

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110119\
 Data File : VY000519.D
 Acq On : 01 Nov 2019 12:04
 Operator : SY/MD
 Sample : VY1101SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

Manual Integrations
 APPROVED

Quant Time: Nov 04 04:35:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	237399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	388660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138203	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
35) Dibromofluoromethane	7.73	113	119666	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.18	98	492268	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
62) 4-Bromofluorobenzene	12.48	95	166559	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	44333	18.971	ug/l	97
3) Chloromethane	2.11	50	64512	20.039	ug/l	98
4) Vinyl Chloride	2.25	62	58559	19.588	ug/l	98
5) Bromomethane	2.65	94	37735	21.049	ug/l	91
6) Chloroethane	2.79	64	40754	21.782	ug/l	96
7) Trichlorofluoromethane	3.13	101	84303	20.881	ug/l	97
8) Diethyl Ether	3.54	74	29753	20.741	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	49161	20.141	ug/l	99
10) Methyl Iodide	4.10	142	55831	19.465	ug/l	99
11) Tert butyl alcohol	5.00	59	21062	88.070	ug/l #	72
12) 1,1-Dichloroethene	3.88	96	48151	20.305	ug/l	97
13) Acrolein	3.74	56	19689	94.516	ug/l	100
14) Allyl chloride	4.49	41	79277	20.560	ug/l	99
15) Acrylonitrile	5.18	53	71401	97.162	ug/l	99
16) Acetone	3.97	43	52231	77.138	ug/l	99
17) Carbon Disulfide	4.19	76	150105	20.069	ug/l	100
18) Methyl Acetate	4.49	43	36905	17.529	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	131066	19.879	ug/l	98
20) Methylene Chloride	4.72	84	59817	20.617	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	53858	20.090	ug/l	97
22) Diisopropyl ether	6.13	45	167043	19.931	ug/l	98
23) Vinyl Acetate	6.07	43	542428	102.527	ug/l	100
24) 1,1-Dichloroethane	6.02	63	91630	20.181	ug/l	99
25) 2-Butanone	7.00	43	94716	87.649	ug/l #	89
26) 2,2-Dichloropropane	6.99	77	82215	19.814	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	59351	20.246	ug/l	99
28) Bromochloromethane	7.35	49	24086	14.772	ug/l	96
29) Tetrahydrofuran	7.36	42	61784	93.458	ug/l	97
30) Chloroform	7.52	83	93845	20.432	ug/l	100
31) Cyclohexane	7.79	56	94747	19.924	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	83367	20.366	ug/l	99
36) 1,1-Dichloropropene	7.92	75	76218	20.744	ug/l	98
37) Ethyl Acetate	7.09	43	44381	20.345	ug/l	96
38) Carbon Tetrachloride	7.91	117	73996	20.930	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	95437	20.106	ug/l	95
40) Benzene	8.17	78	219683	20.394	ug/l	97
41) Methacrylonitrile	7.32	41	20995m	17.253	ug/l	
42) 1,2-Dichloroethane	8.25	62	64754	21.195	ug/l	99
43) Isopropyl Acetate	8.28	43	84386	20.593	ug/l	98
44) Trichloroethene	8.94	130	60665	21.360	ug/l	96
45) 1,2-Dichloropropane	9.22	63	54633	20.607	ug/l #	87
46) Dibromomethane	9.31	93	29759	20.410	ug/l	99
47) Bromodichloromethane	9.50	83	71005	20.524	ug/l	97
48) Methyl methacrylate	9.30	41	37966	21.205	ug/l	94
49) 1,4-Dioxane	9.33	88	8312m	423.583	ug/l	
51) 4-Methyl-2-Pentanone	10.08	43	218832	100.443	ug/l	100
52) Toluene	10.25	92	138551	20.344	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	74752	20.222	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	85886	20.281	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	43366	20.563	ug/l	96
56) Ethyl methacrylate	10.51	69	61393	20.540	ug/l	99
57) 1,3-Dichloropropane	10.79	76	74804	20.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	136991	101.378	ug/l	100
59) 2-Hexanone	10.83	43	153749	96.858	ug/l	99
60) Dibromochloromethane	10.99	129	49491	20.488	ug/l	98
61) 1,2-Dibromoethane	11.09	107	41286	20.361	ug/l	96
64) Tetrachloroethene	10.72	164	61231	21.395	ug/l	96
65) Chlorobenzene	11.52	112	146920	20.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	50530	20.762	ug/l	100
67) Ethyl Benzene	11.60	91	272475	21.097	ug/l	100
68) m/p-Xylenes	11.70	106	206301	41.271	ug/l	98
69) o-Xylene	12.03	106	97805	20.819	ug/l	94
70) Styrene	12.05	104	163470	20.321	ug/l	99
71) Bromoform	12.20	173	28844	20.605	ug/l #	99
73) Isopropylbenzene	12.33	105	260854	20.460	ug/l	99
74) N-amyl acetate	12.14	43	75205	20.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	51143	20.260	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	39212m	19.964	ug/l	
77) Bromobenzene	12.61	156	58832	20.349	ug/l	99
78) n-propylbenzene	12.67	91	314040	20.415	ug/l	99
79) 2-Chlorotoluene	12.76	91	173156	20.276	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	219908	20.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17247	19.688	ug/l	98
82) 4-Chlorotoluene	12.85	91	181749	20.531	ug/l	100
83) tert-Butylbenzene	13.08	119	186853	20.610	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	221110	20.914	ug/l	98
85) sec-Butylbenzene	13.25	105	266605	20.640	ug/l	99
86) p-Isopropyltoluene	13.37	119	237302	20.613	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	114721	20.258	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	119193	21.064	ug/l	99
89) n-Butylbenzene	13.70	91	232408	20.468	ug/l	99
90) Hexachloroethane	13.96	117	42742	20.083	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	104712	20.380	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9330	20.884	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	72641	20.764	ug/l	98
94) Hexachlorobutadiene	15.11	225	39400	21.848	ug/l	98
95) Naphthalene	15.23	128	162701	20.950	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	67067	21.368	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

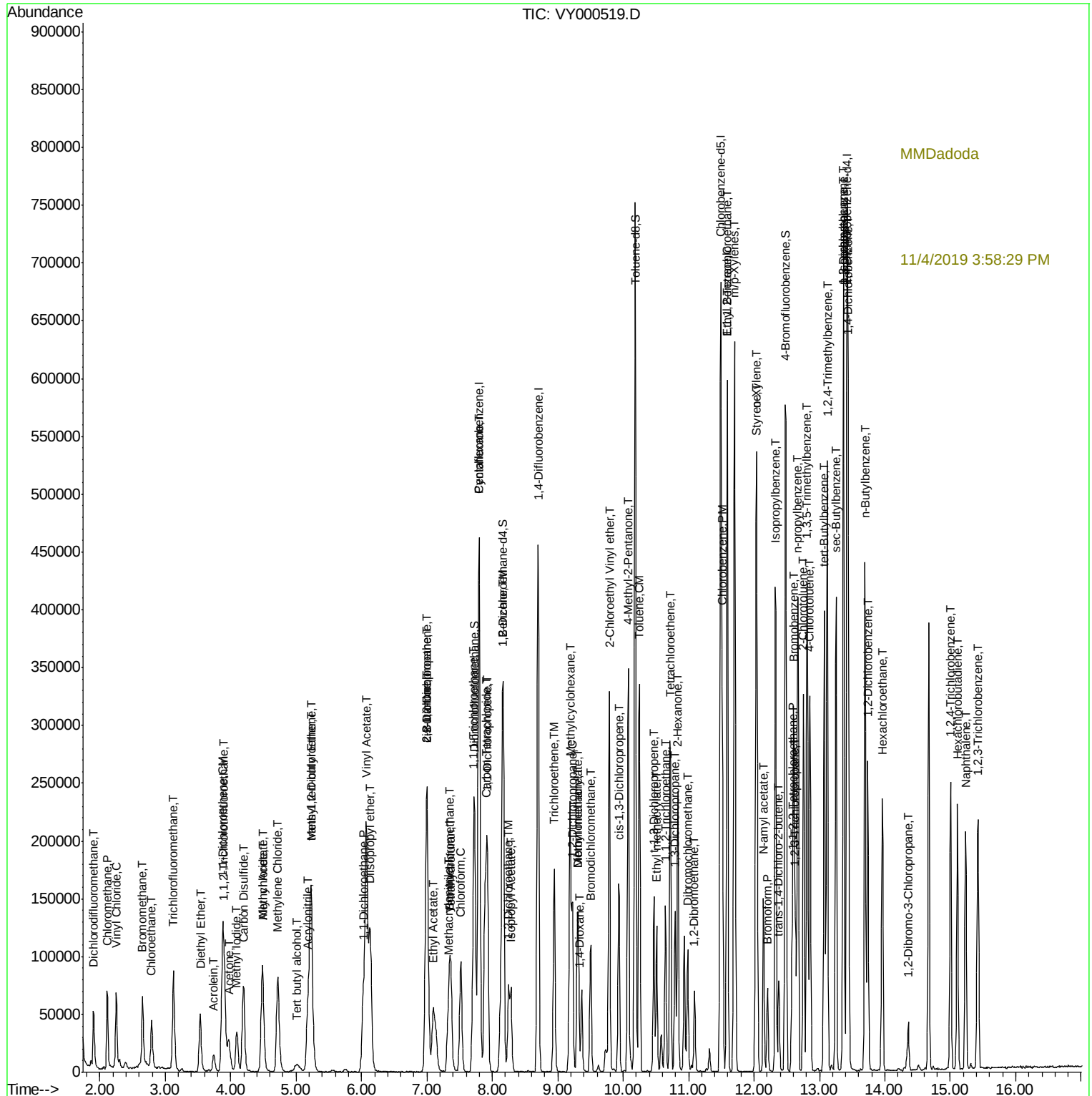
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY110119\
Data File : VY000519.D
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Sample : VY1101SBS01
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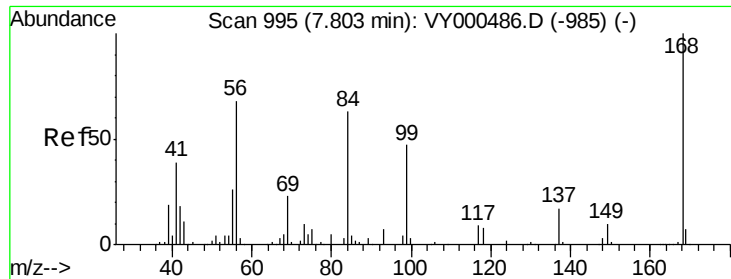
Manual Integrations
APPROVED

Quant Time: Nov 04 04:35:08 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

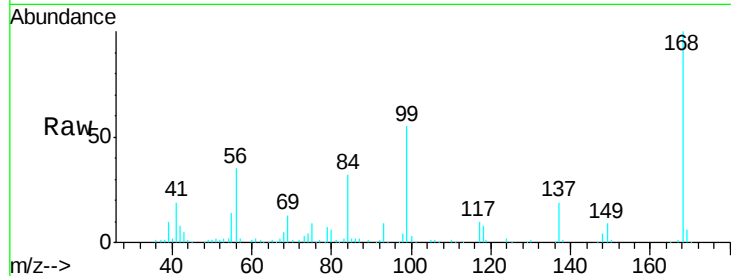
Tgt Ion:168 Resp: 237399

Ion Ratio Lower Upper

168 100

99 55.1 45.7 68.5

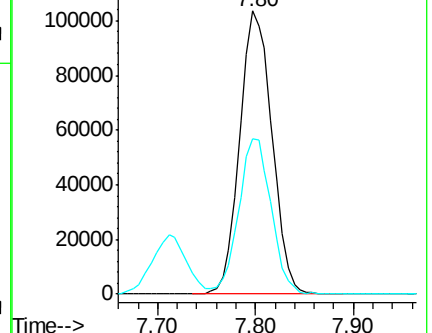
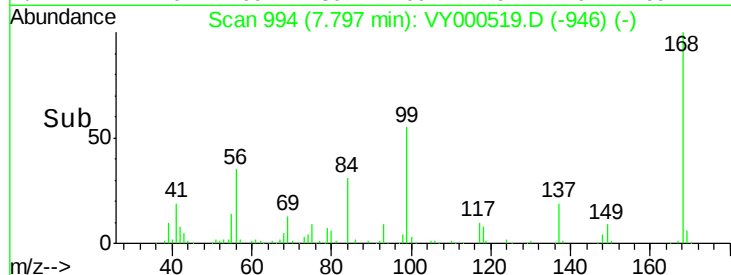
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VY000519.D (-946) (-)

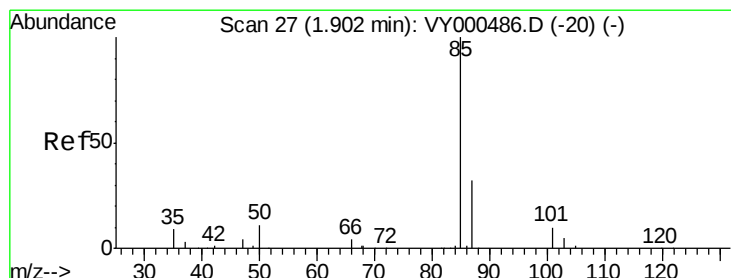
Ion 98.90 (98.60 to 99.60): VY000519.D (-946) (-)

Time-->



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#2

Dichlorodifluoromethane

Concen: 18.971 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000519.D

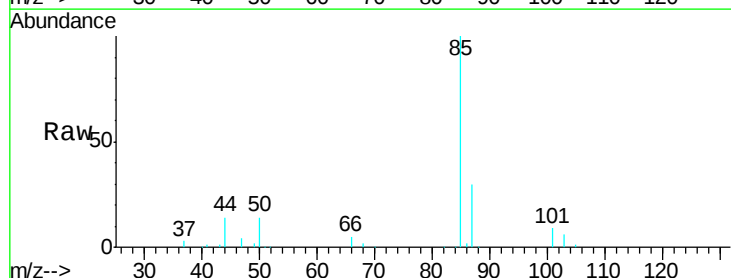
Acq: 01 Nov 2019 12:04

Tgt Ion: 85 Resp: 44333

Ion Ratio Lower Upper

85 100

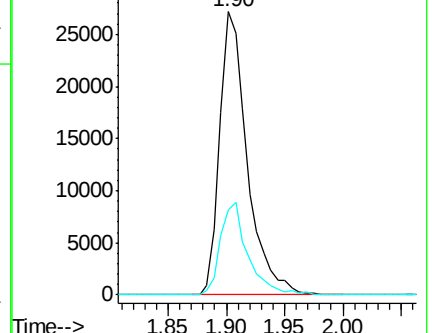
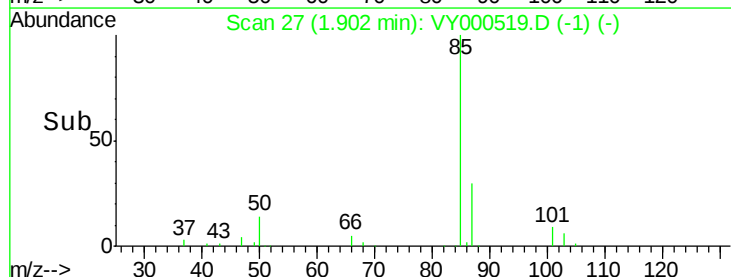
87 30.0 15.9 47.7

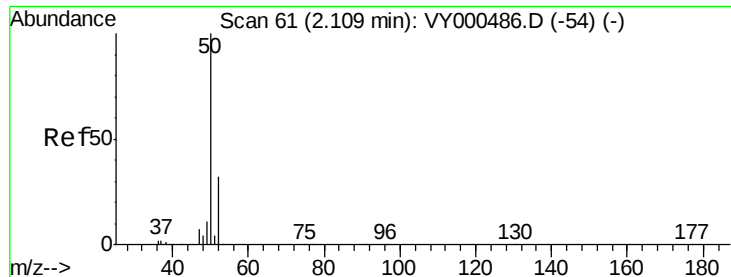


Abundance Ion 84.90 (84.60 to 85.60): VY000519.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000519.D (-1) (-)

Time-->





#3

Chloromethane

Concen: 20.039 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

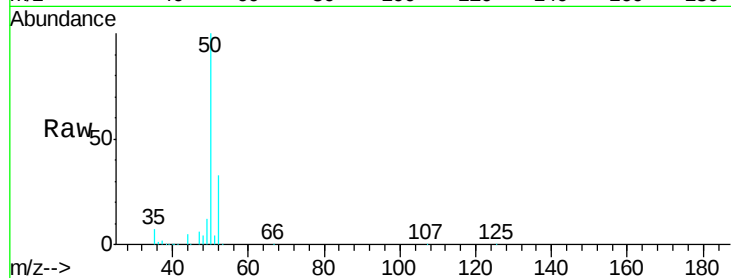
Tgt Ion: 50 Resp: 64512

Ion Ratio Lower Upper

50 100

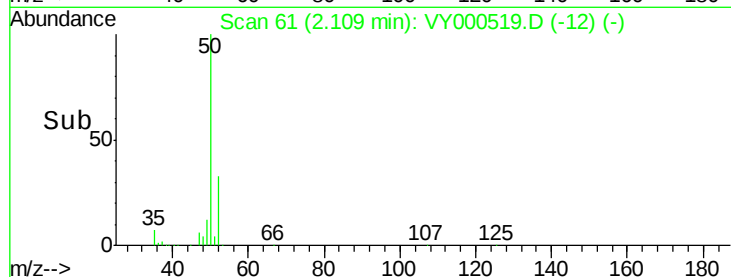
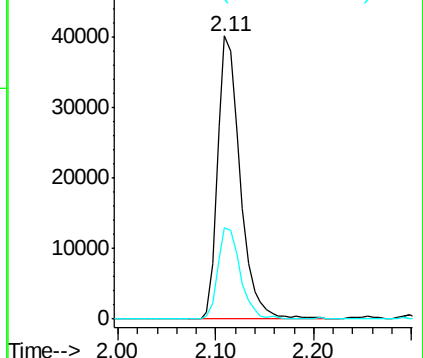
52 32.5 25.2 37.8

Manual Integrations
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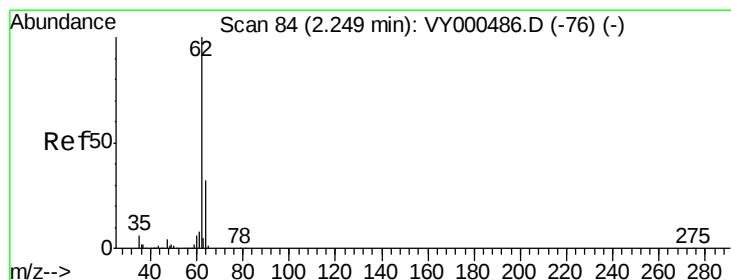
Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



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#4

Vinyl Chloride

Concen: 19.588 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000519.D

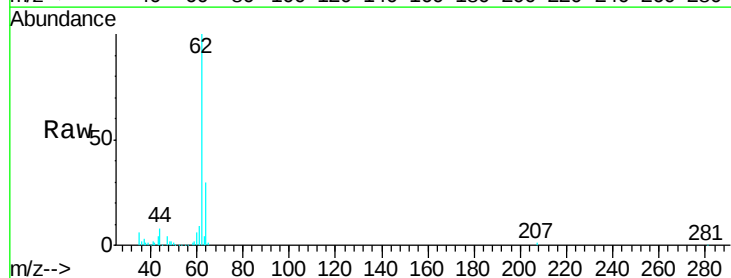
Acq: 01 Nov 2019 12:04

Tgt Ion: 62 Resp: 58559

Ion Ratio Lower Upper

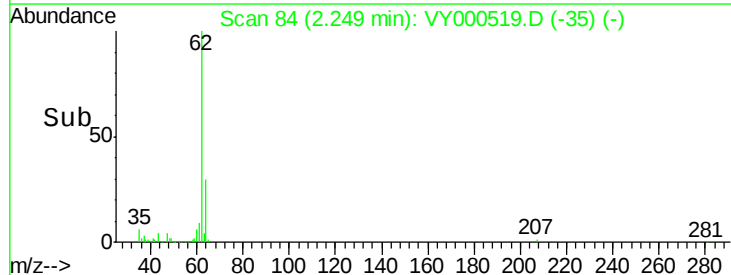
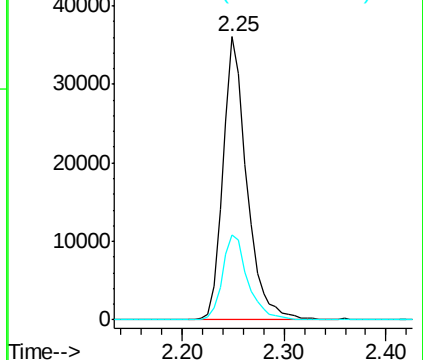
62 100

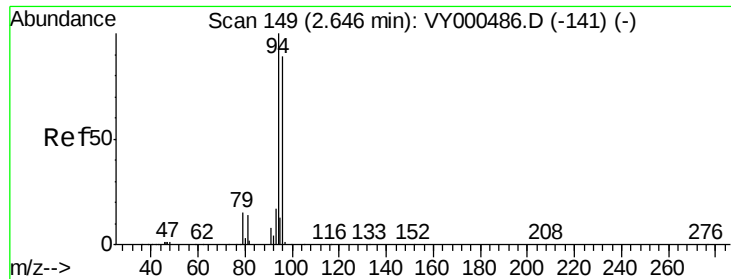
64 30.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 21.049 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

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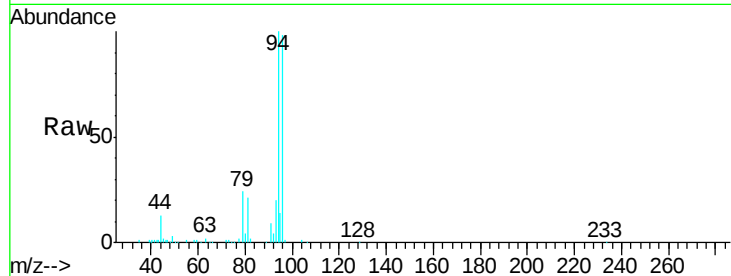
Tgt Ion: 94 Resp: 37735

Ion Ratio Lower Upper

94 100

96 97.7 71.2 106.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

20000

15000

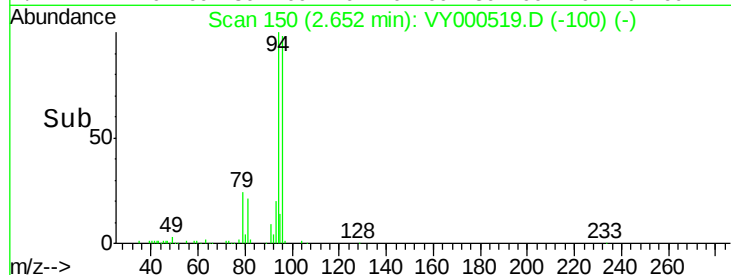
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5000

0

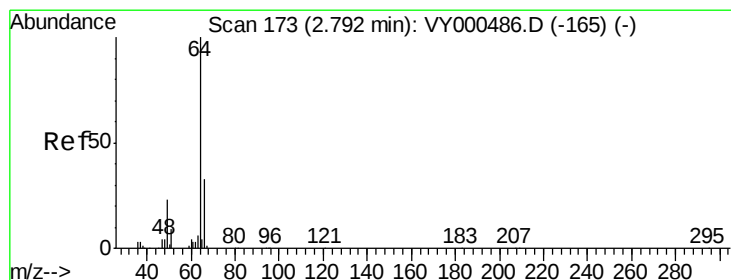
Time-->

2.60 2.70 2.80



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#6

Chloroethane

Concen: 21.782 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000519.D

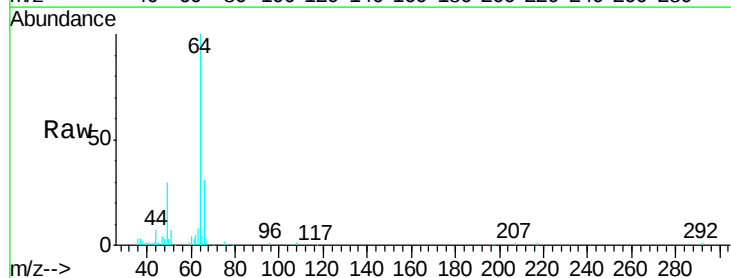
Acq: 01 Nov 2019 12:04

Tgt Ion: 64 Resp: 40754

Ion Ratio Lower Upper

64 100

66 31.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

20000

15000

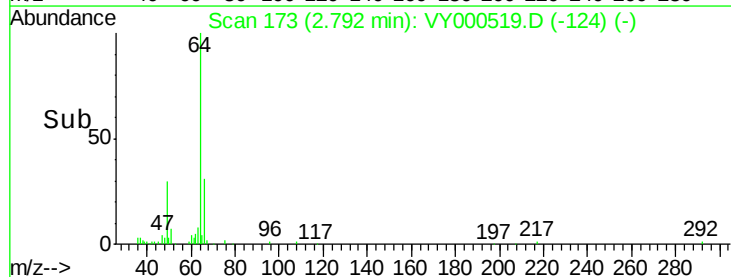
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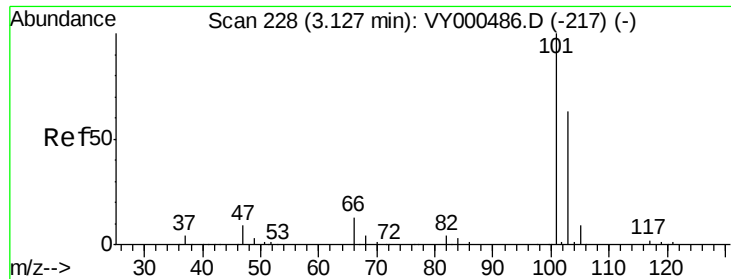
5000

0

Time-->

2.70 2.80 2.90





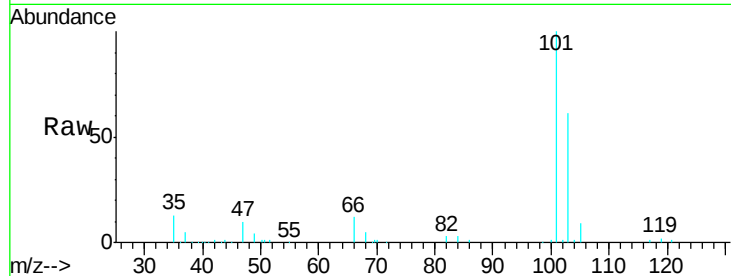
#7

Trichlorofluoromethane
Concen: 20.881 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

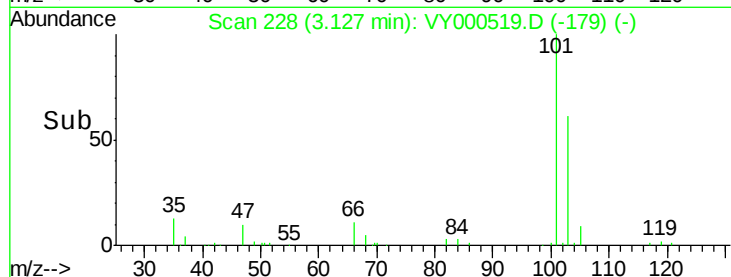
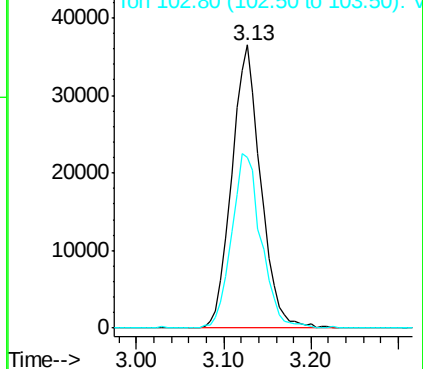
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.5	75.7

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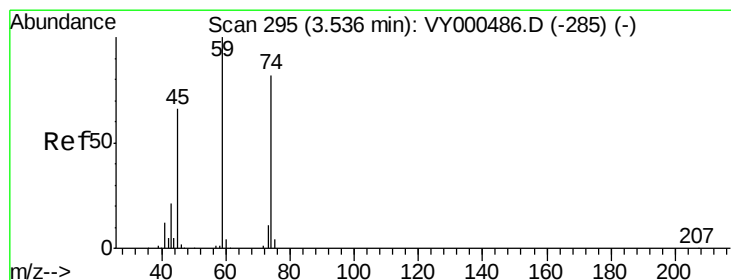


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



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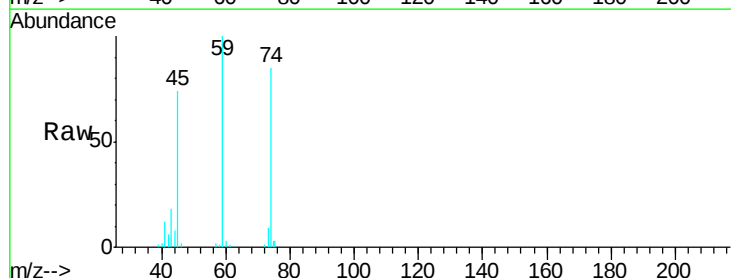
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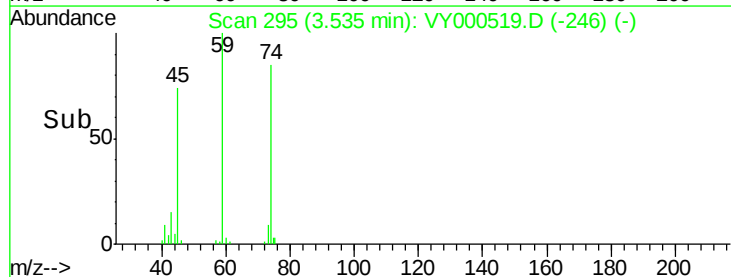
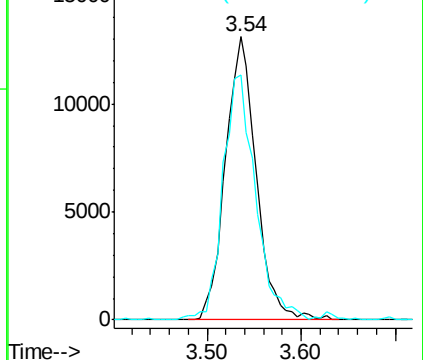
#8

Diethyl Ether
Concen: 20.741 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	45.5	136.4



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.141 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

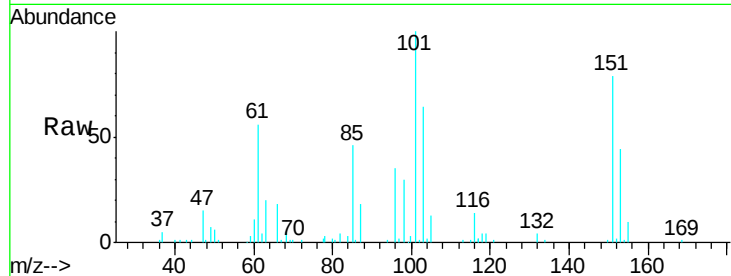
MSVOA_Y

ClientSampleId :

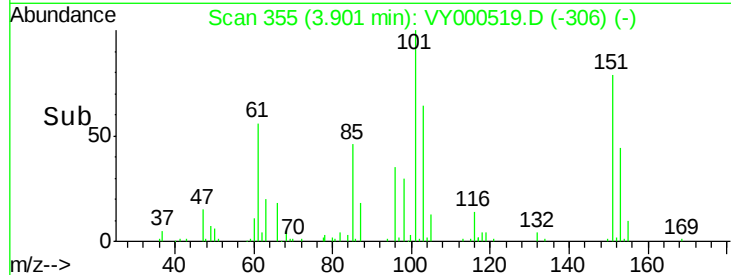
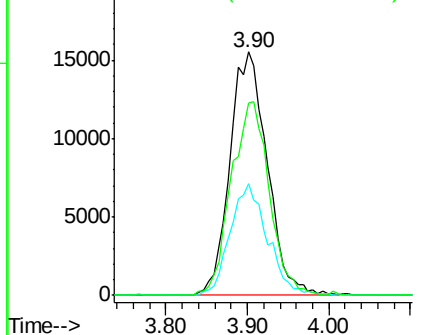
VY1101SBS01

Tgt Ion:	101	Resp:	49161
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.7	55.1
151	81.3	64.3	96.5

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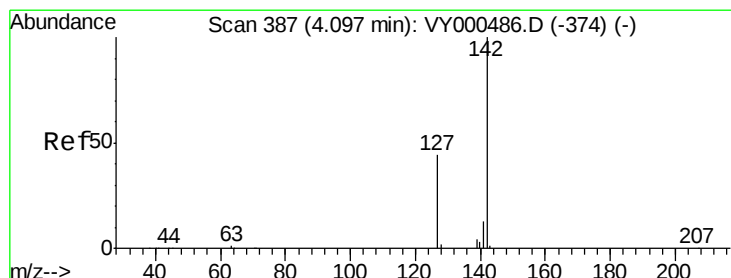


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 19.465 ug/l

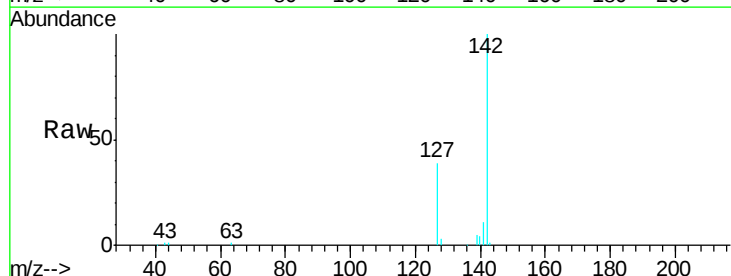
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

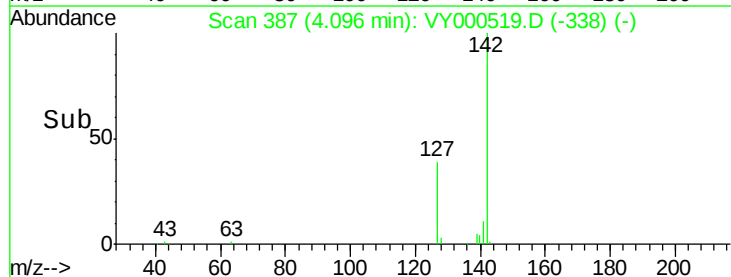
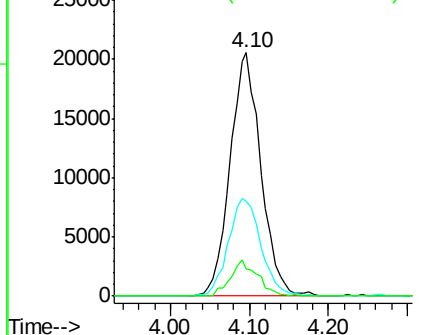
Lab File: VY000519.D

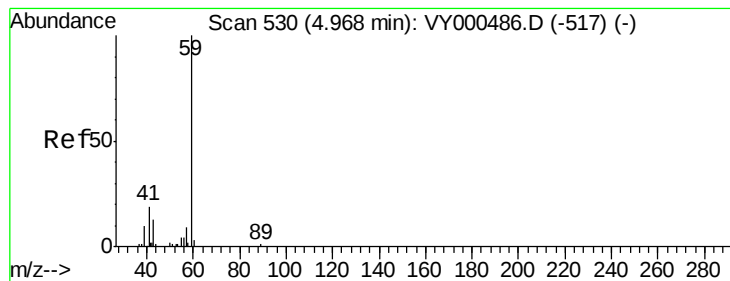
Acq: 01 Nov 2019 12:04

Tgt Ion:	142	Resp:	55831
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.7	50.5
141	13.3	10.9	16.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





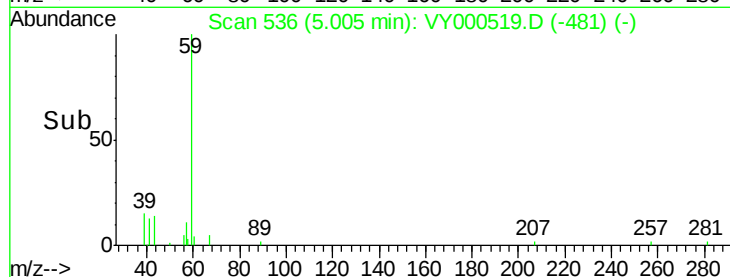
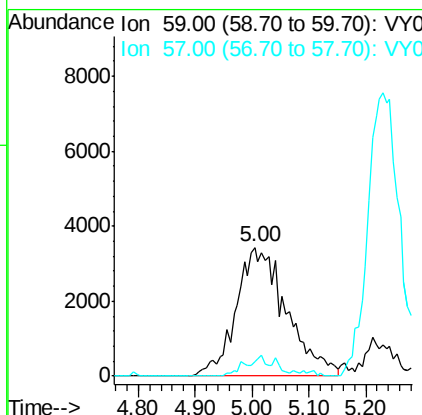
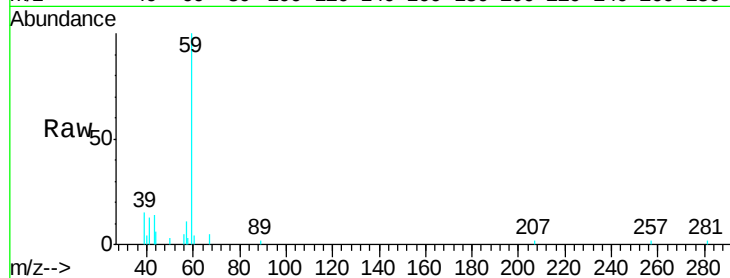
#11

Tert butyl alcohol
Concen: 88.070 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.04 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampled :
VY1101SBS01

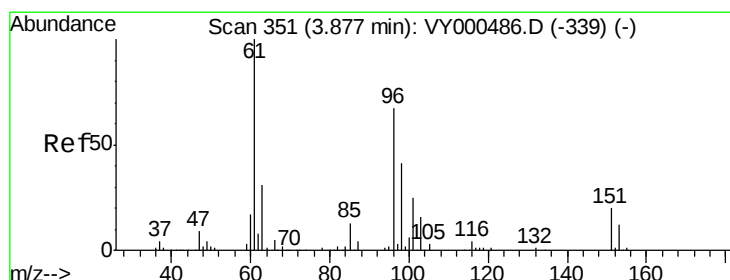
Tgt Ion: 59 Resp: 21062
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

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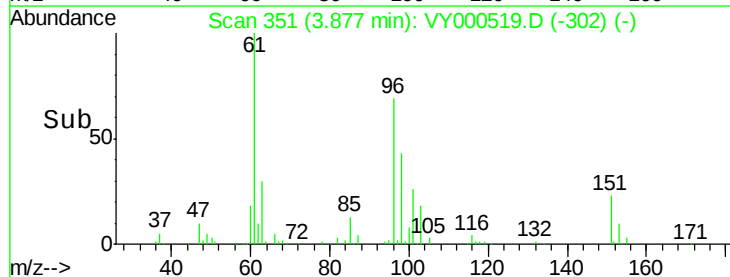
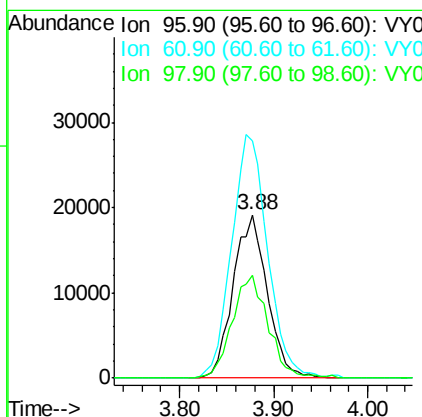
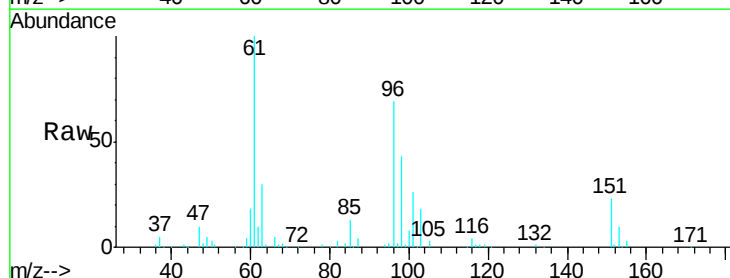
11/4/2019 3:58:29 PM

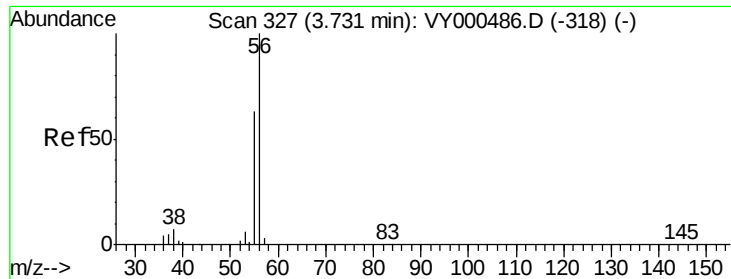


#12

1,1-Dichloroethene
Concen: 20.305 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 96 Resp: 48151
Ion Ratio Lower Upper
96 100
61 145.0 119.2 178.8
98 62.7 48.6 73.0





#13

Acrolein

Concen: 94.516 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampled :

VY1101SBS01

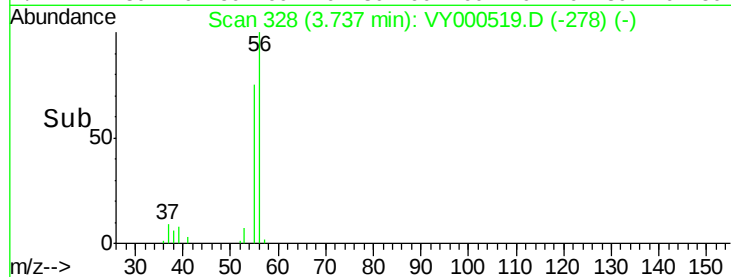
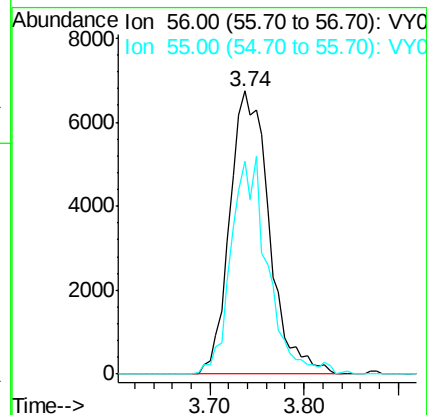
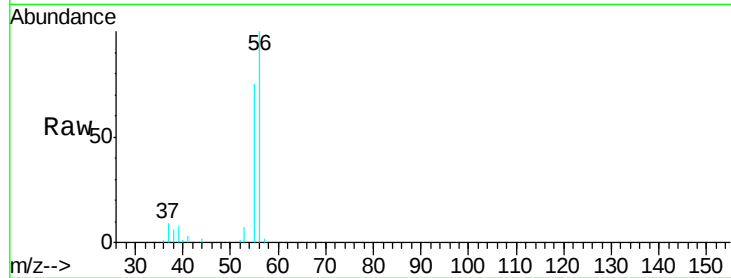
Tgt Ion: 56 Resp: 19689

Ion Ratio Lower Upper

56 100

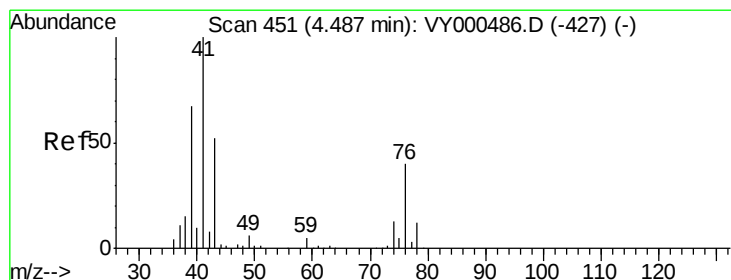
55 71.2 57.0 85.6

Manual Integrations
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#14

Allyl chloride

Concen: 20.560 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

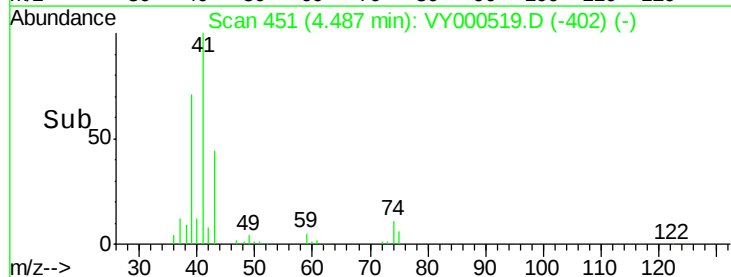
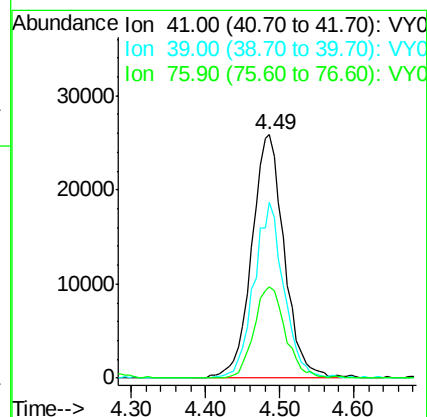
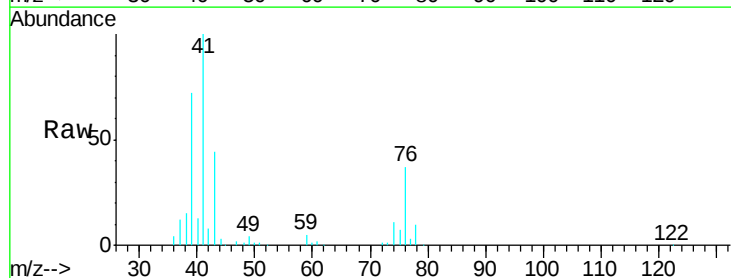
Tgt Ion: 41 Resp: 79277

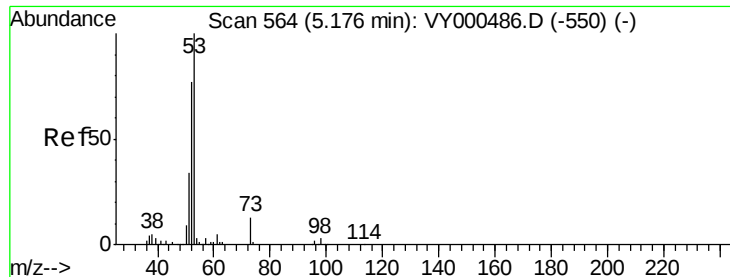
Ion Ratio Lower Upper

41 100

39 66.2 53.6 80.4

76 36.0 29.8 44.6





#15

Acrylonitrile

Concen: 97.162 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

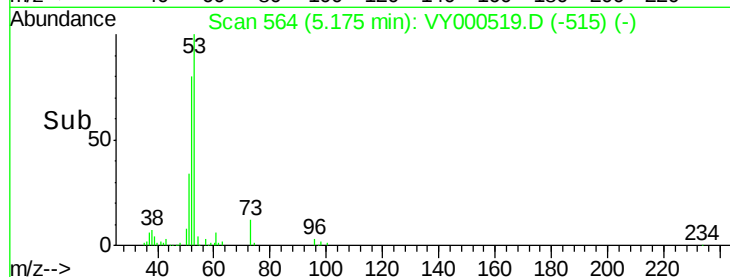
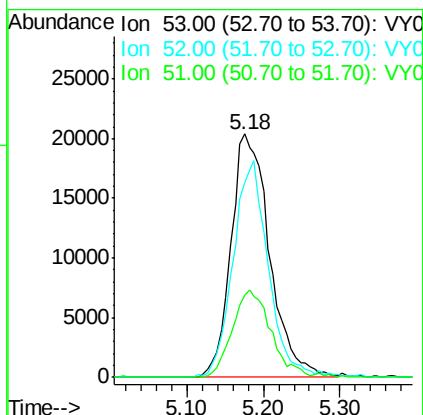
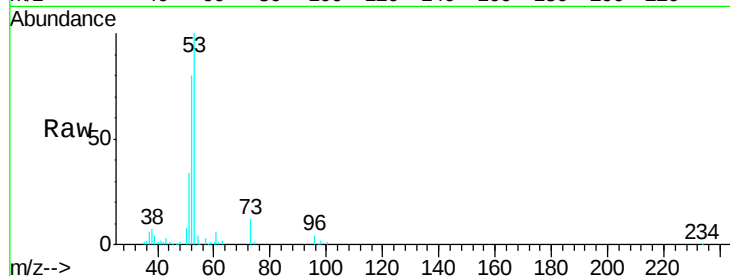
MSVOA_Y

ClientSampleId :

VY1101SBS01

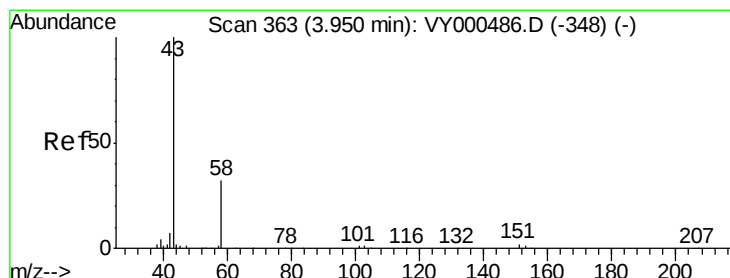
Tgt Ion:	53	Resp:	71401
Ion	Ratio	Lower	Upper
53	100		
52	81.2	64.9	97.3
51	35.8	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 77.138 ug/l

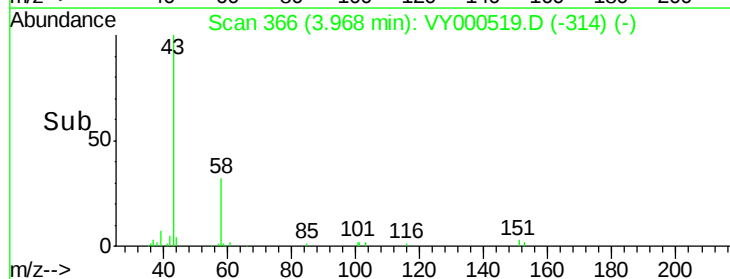
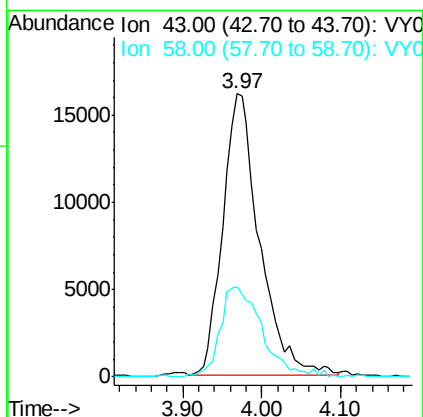
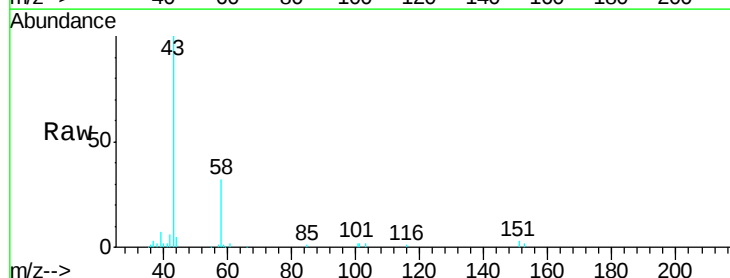
RT: 3.97 min Scan# 366

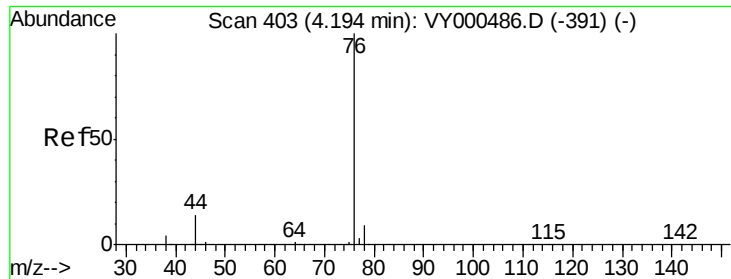
Delta R.T. 0.02 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Tgt Ion:	43	Resp:	52231
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.8	38.6



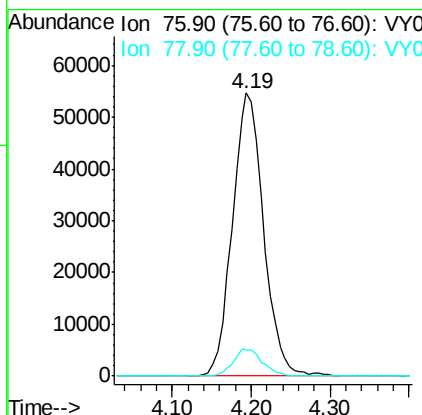
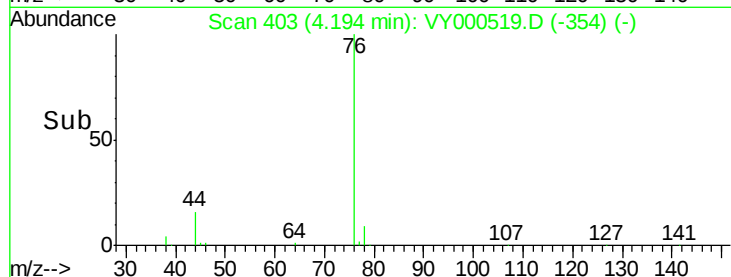
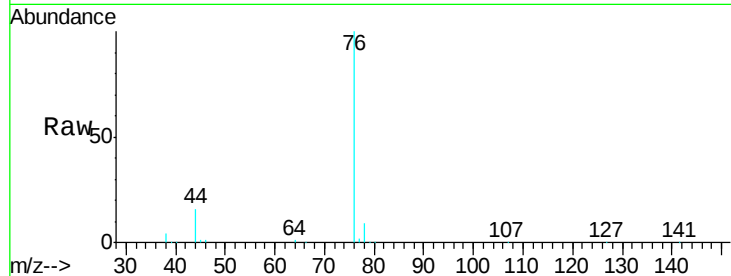


#17
Carbon Disulfide
Concen: 20.069 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

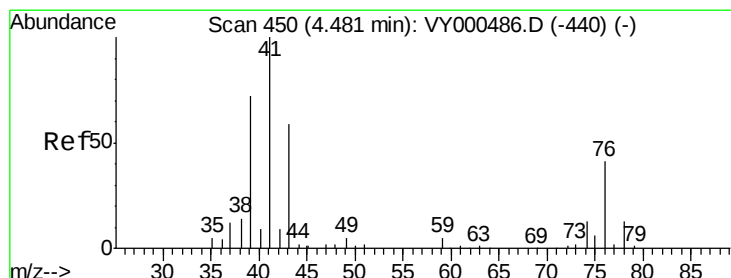
Tgt Ion: 76 Resp: 150105
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

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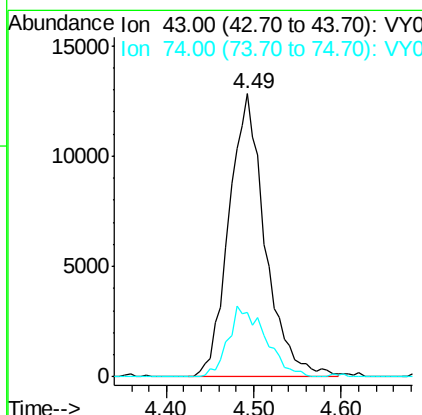
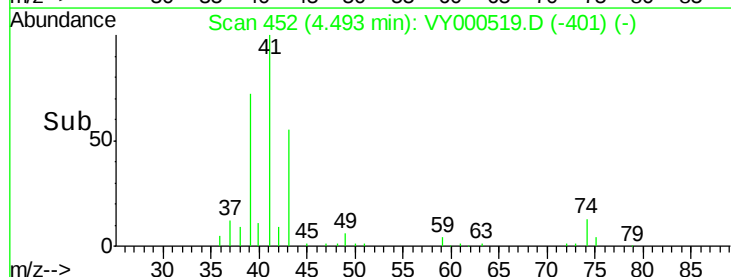
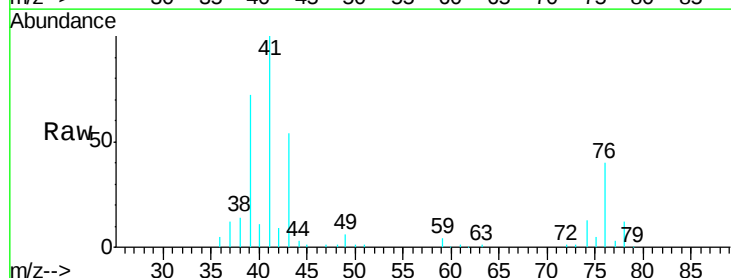
MMDadoda

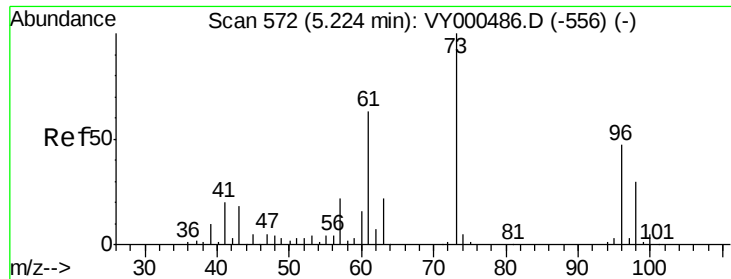
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#18
Methyl Acetate
Concen: 17.529 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 43 Resp: 36905
Ion Ratio Lower Upper
43 100
74 25.7 19.2 28.8





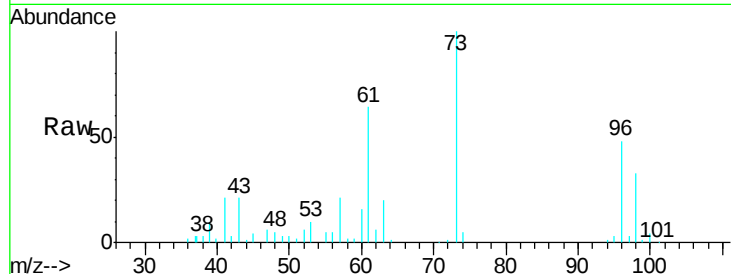
#19

Methyl tert-butyl Ether
Concen: 19.879 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

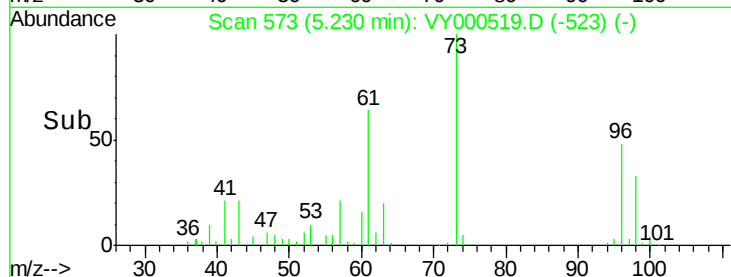
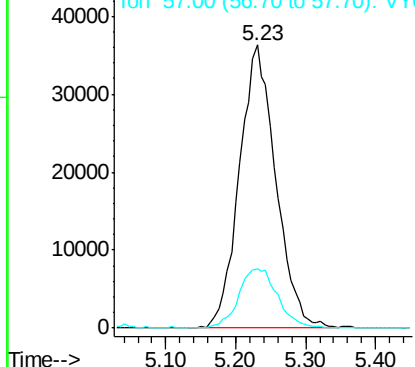
Instrument :
MSVOA_Y
ClientSampled :
VY1101SBS01

Tgt Ion: 73 Resp: 131066
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0

Manual Integrations
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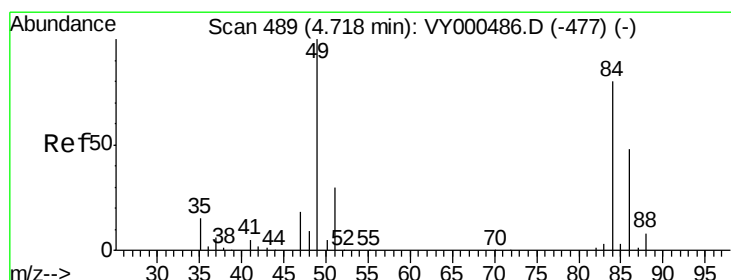


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 57.00 (56.70 to 57.70): VY0



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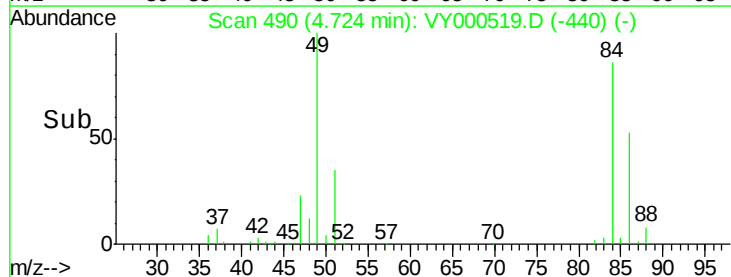
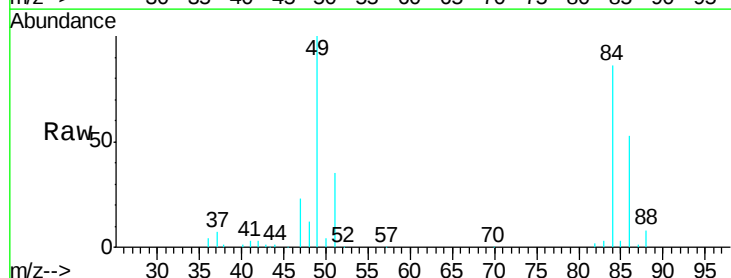
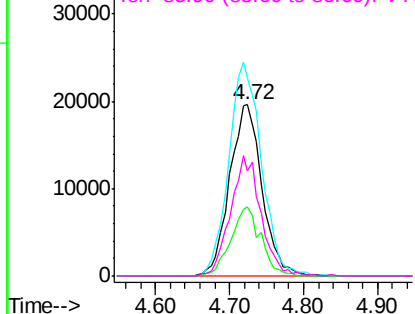


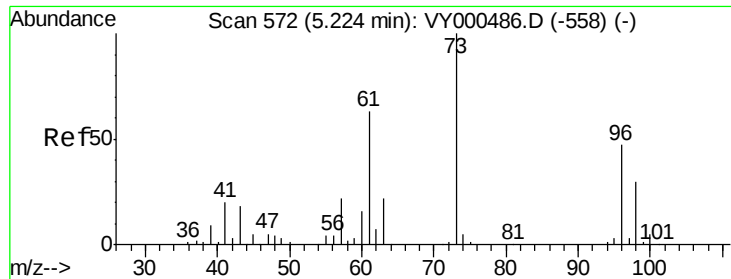
#20

Methylene Chloride
Concen: 20.617 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 84 Resp: 59817
Ion Ratio Lower Upper
84 100
49 116.2 100.2 150.4
51 40.6 29.6 44.4
86 61.1 48.3 72.5

Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 20.090 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

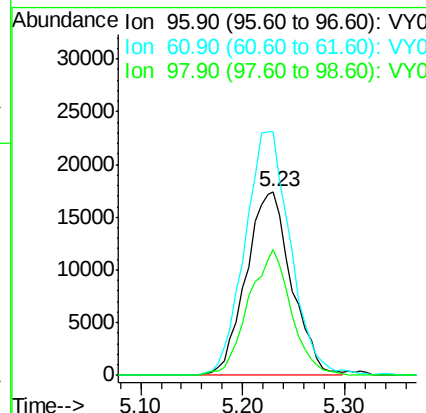
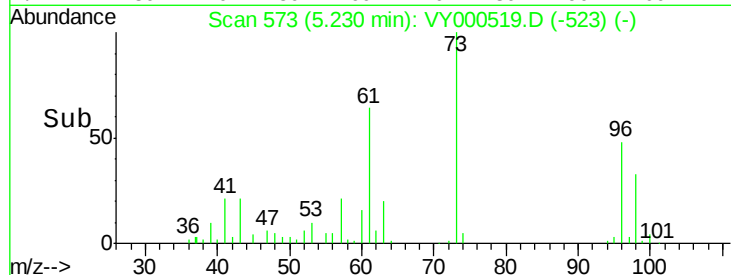
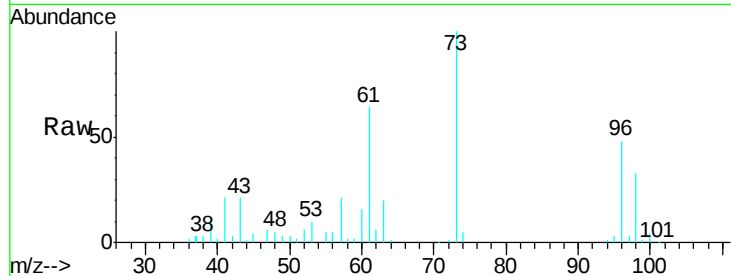
MSVOA_Y

ClientSampleId :

VY1101SBS01

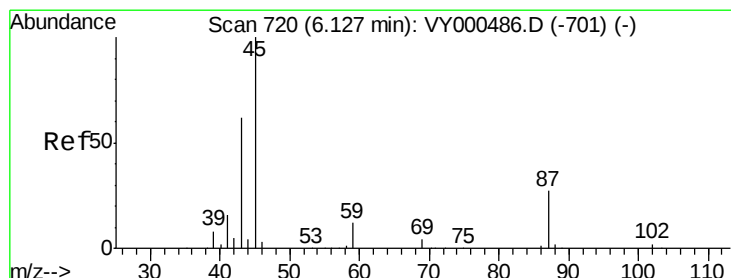
Tgt Ion:	96	Resp:	53858
Ion	Ratio	Lower	Upper
96	100		
61	132.7	106.6	160.0
98	68.7	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.931 ug/l

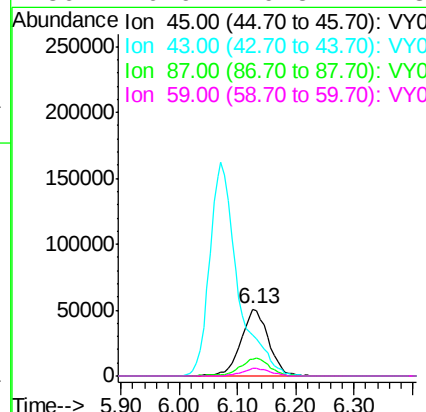
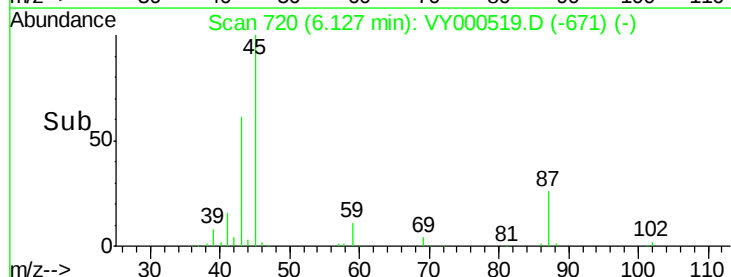
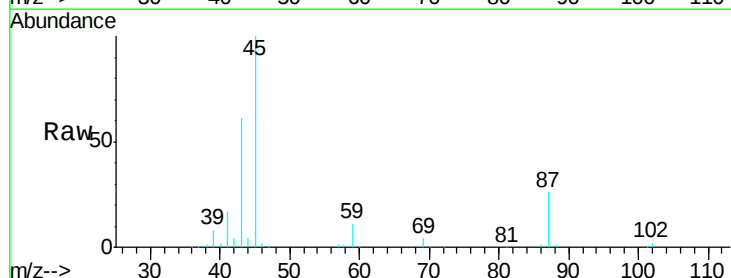
RT: 6.13 min Scan# 720

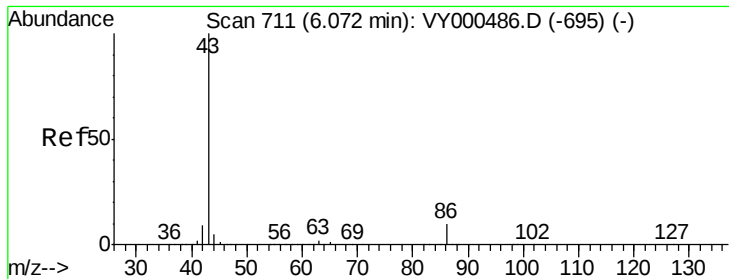
Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Tgt Ion:	45	Resp:	167043
Ion	Ratio	Lower	Upper
45	100		
43	61.3	50.0	75.0
87	25.7	21.6	32.4
59	10.9	9.5	14.3





#23

Vinyl Acetate

Concen: 102.527 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

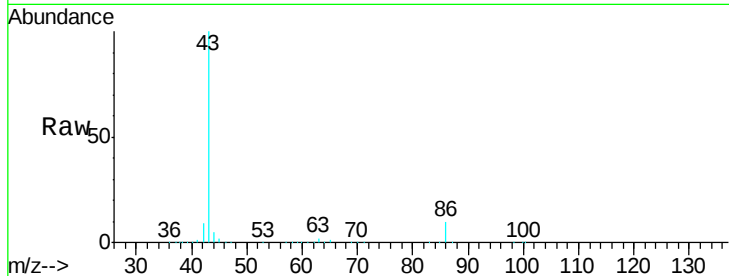
Tgt Ion: 43 Resp: 542428

Ion Ratio Lower Upper

43 100

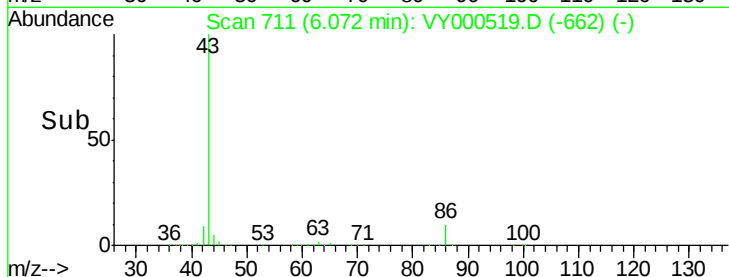
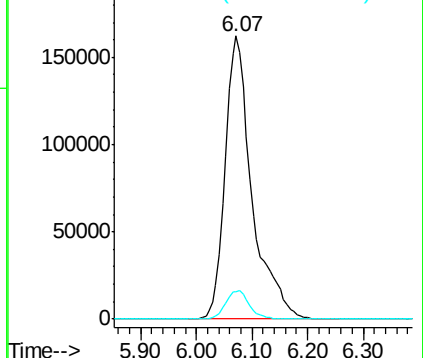
86 9.8 7.8 11.6

Manual Integrations
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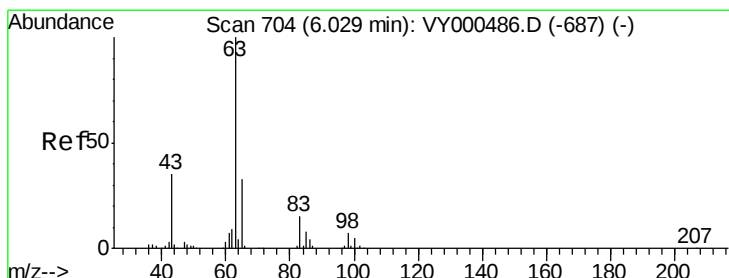
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



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#24

1,1-Dichloroethane

Concen: 20.181 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

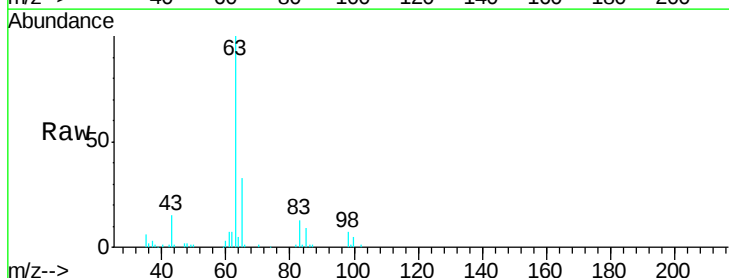
Tgt Ion: 63 Resp: 91630

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.6

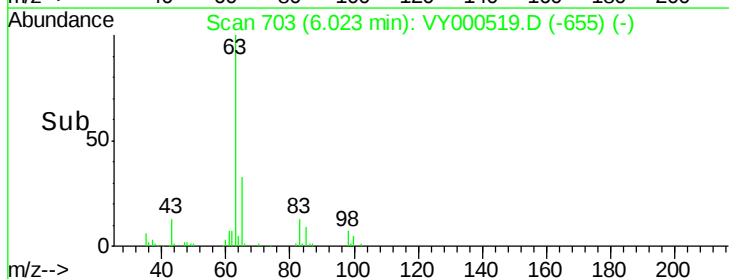
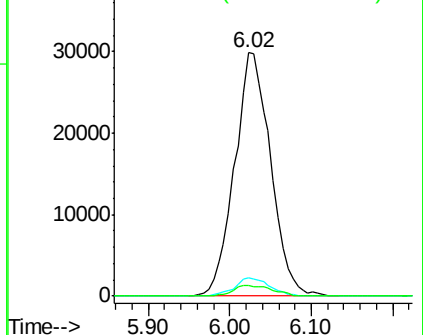
100 4.6 2.4 7.1

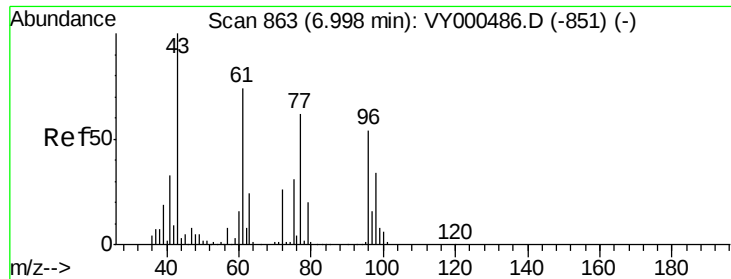


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 87.649 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

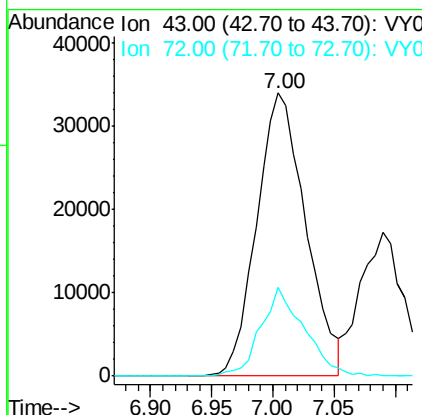
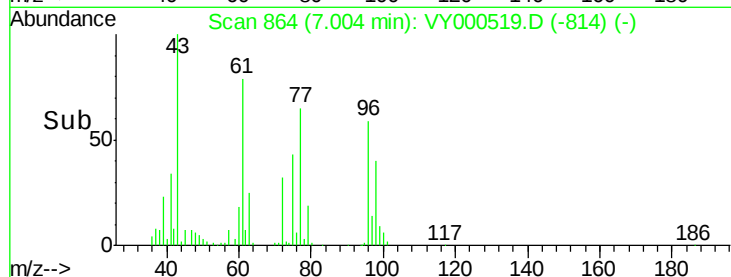
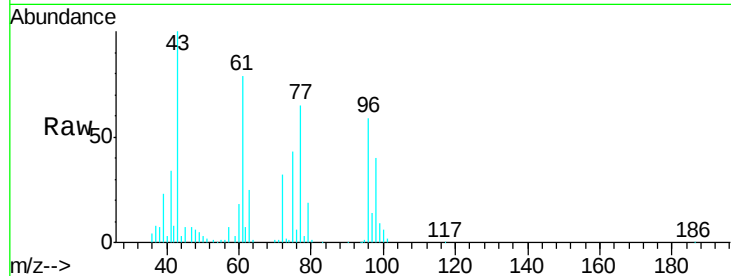
Tgt Ion: 43 Resp: 94716

Ion Ratio Lower Upper

43 100

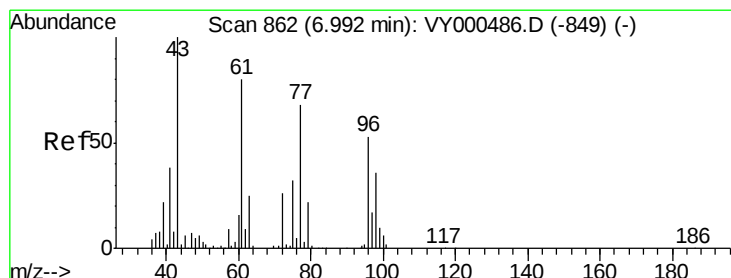
72 31.6 20.9 31.3#

Manual Integrations
APPROVED



MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.814 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000519.D

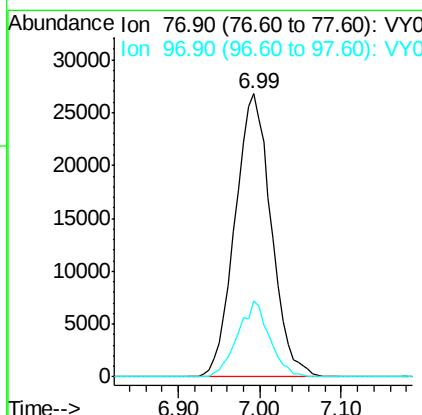
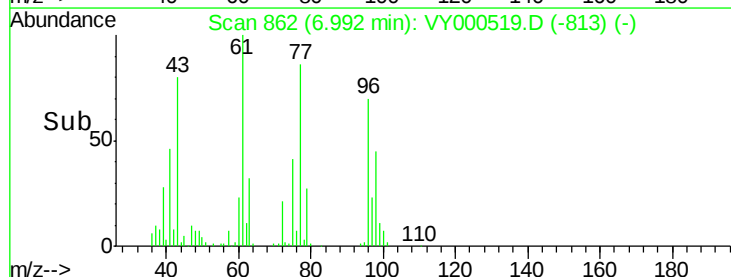
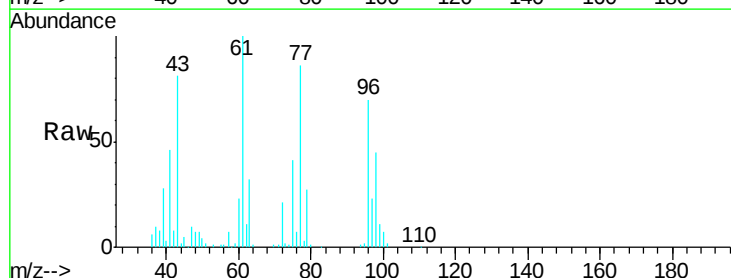
Acq: 01 Nov 2019 12:04

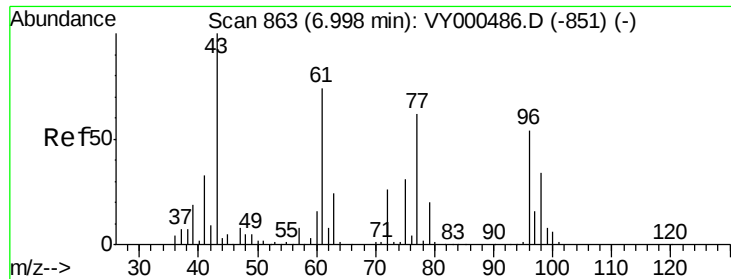
Tgt Ion: 77 Resp: 82215

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4





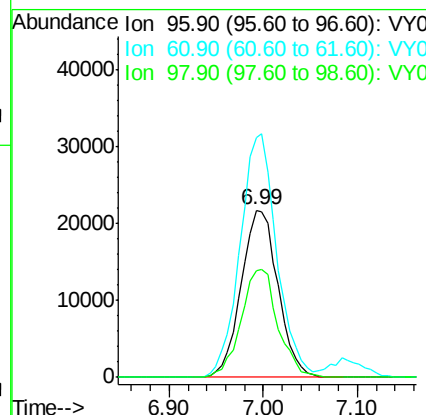
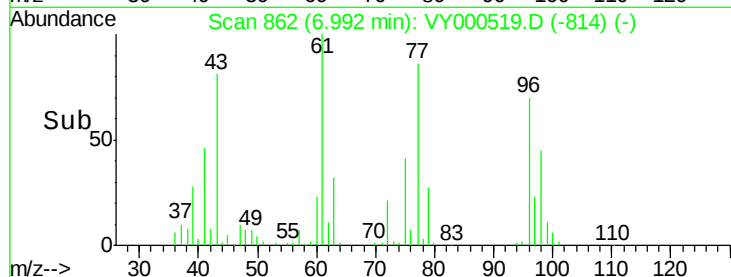
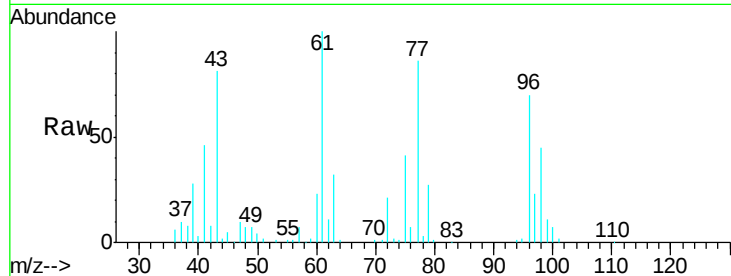
#27

cis-1,2-Dichloroethene
Concen: 20.246 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

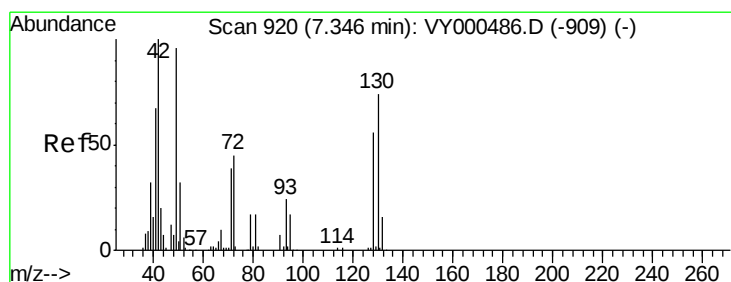
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	287.0
98	64.6	0.0	129.4

Manual Integrations
APPROVED



MMDadoda

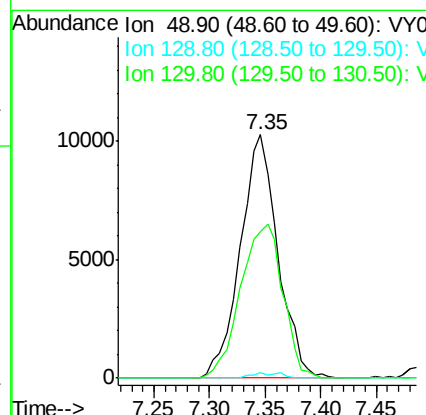
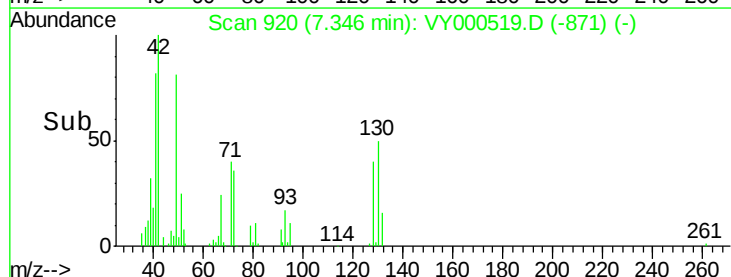
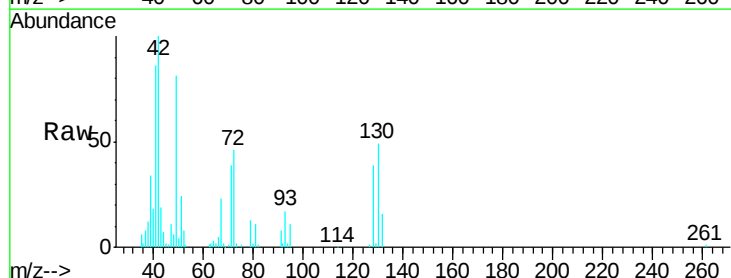
11/4/2019 3:58:29 PM

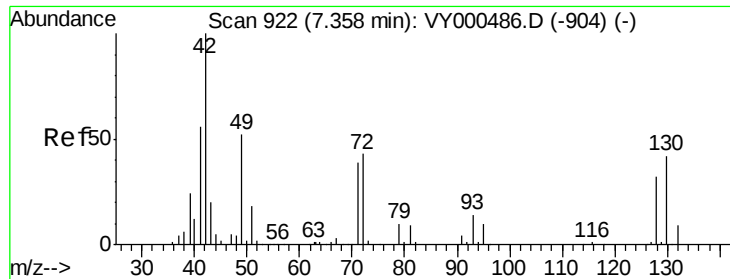


#28

Bromochloromethane
Concen: 14.772 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	70.9	59.4	89.0



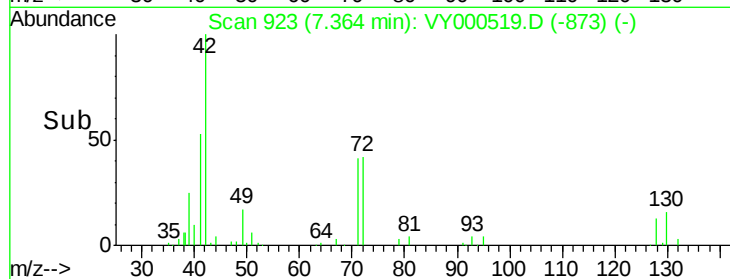
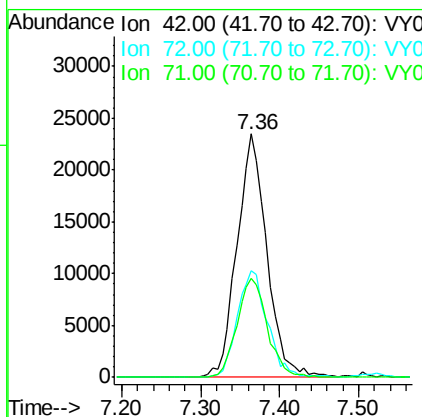
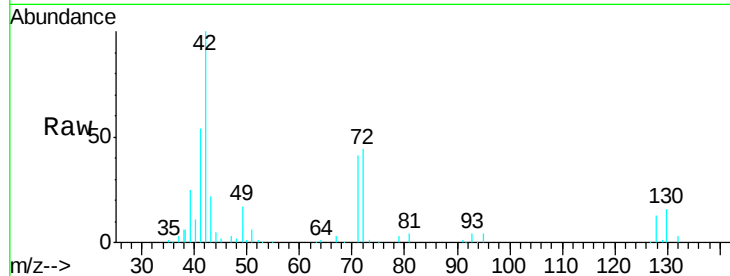


#29
Tetrahydrofuran
Concen: 93.458 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

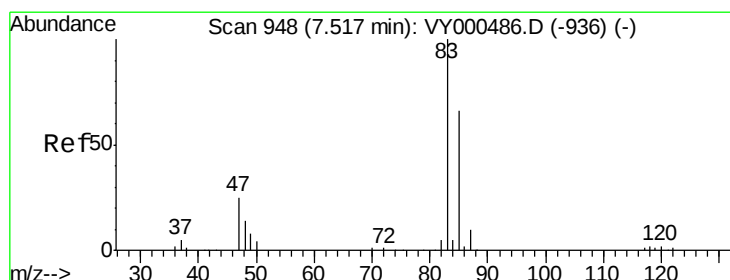
Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.0	51.0
71	41.2	30.8	46.2

Manual Integrations
APPROVED



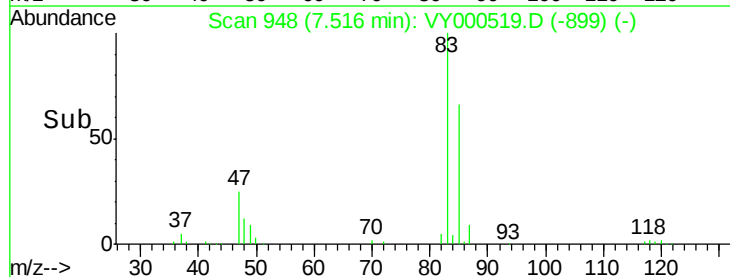
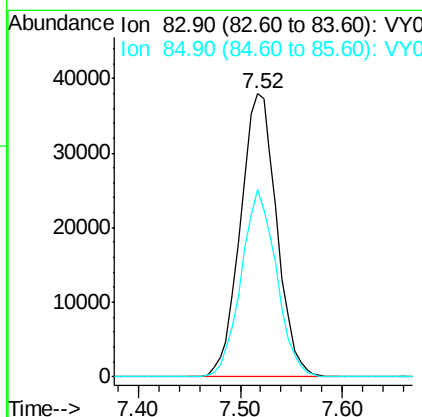
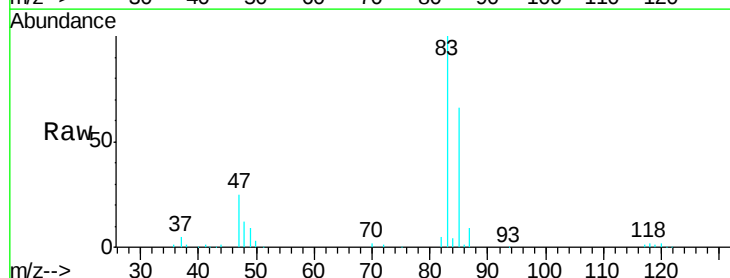
MMDadoda

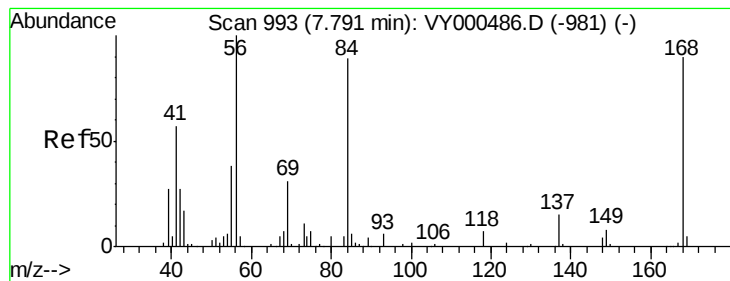
11/4/2019 3:58:29 PM



#30
Chloroform
Concen: 20.432 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.0	79.4





#31

Cyclohexane

Concen: 19.924 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

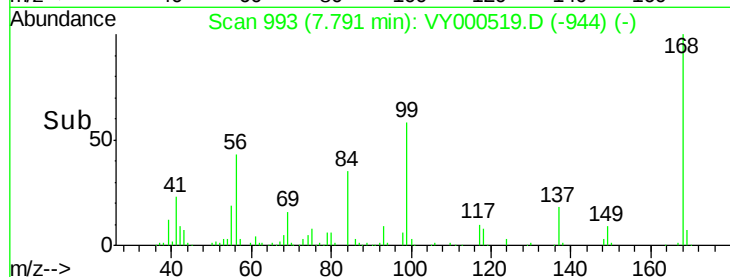
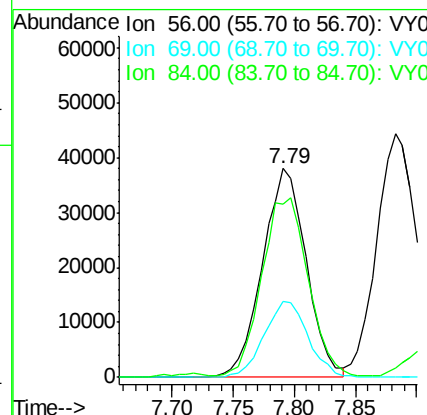
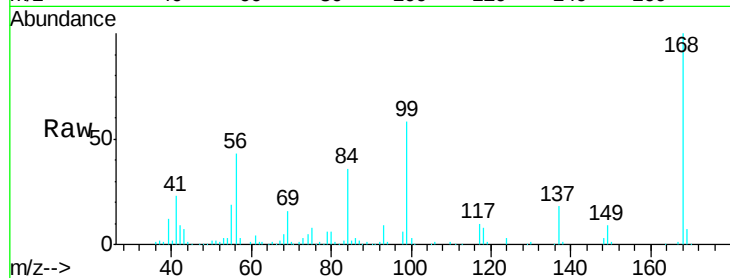
MSVOA_Y

ClientSampleId :

VY1101SBS01

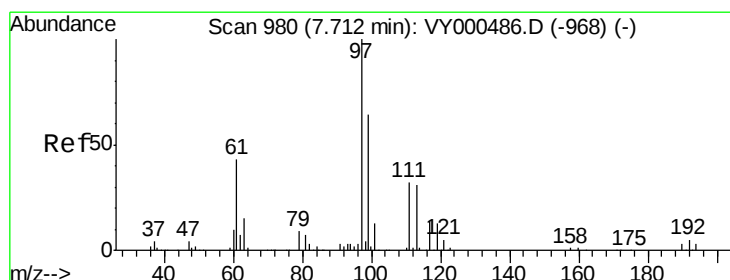
Tgt Ion:	56	Resp:	94747
Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.0	37.6
84	81.0	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.366 ug/l

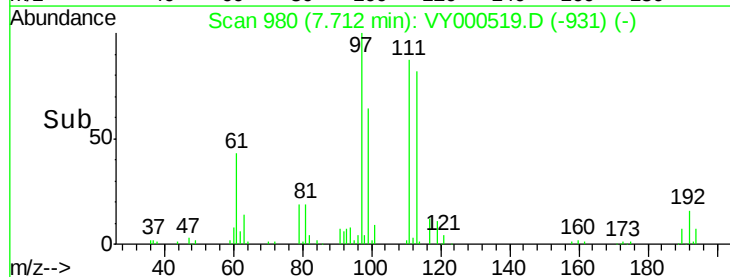
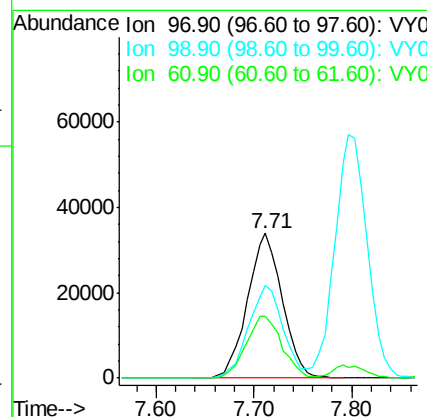
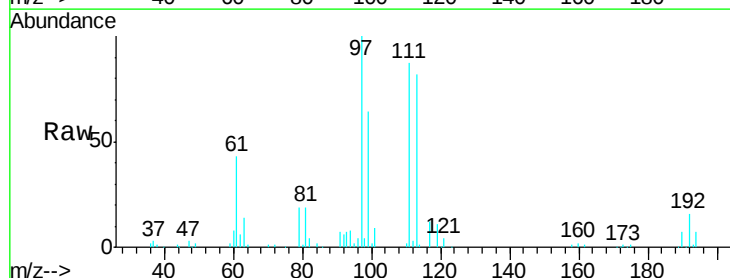
RT: 7.71 min Scan# 980

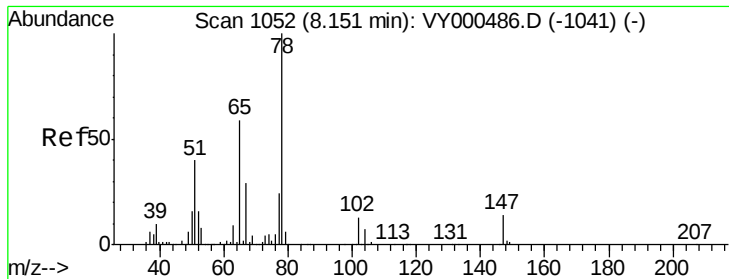
Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Tgt Ion:	97	Resp:	83367
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.9	76.3
61	44.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 56.254 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

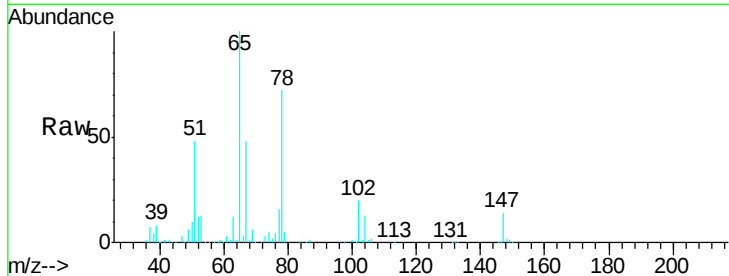
Tgt Ion: 65 Resp: 138203

Ion Ratio Lower Upper

65 100

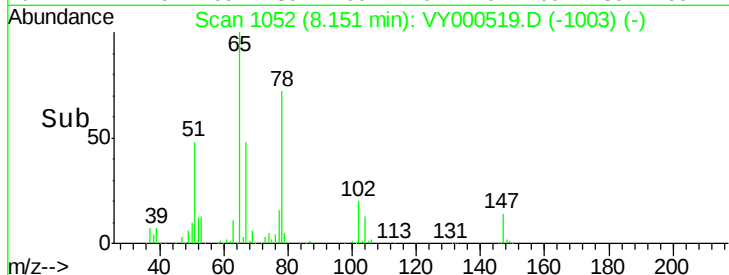
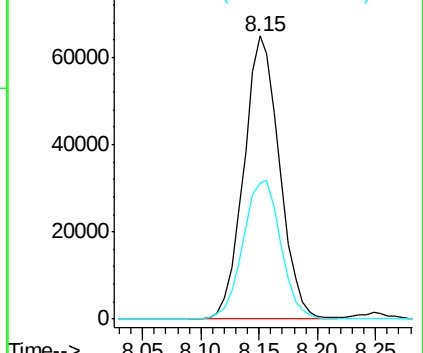
67 51.8 0.0 107.2

Manual Integrations
APPROVED



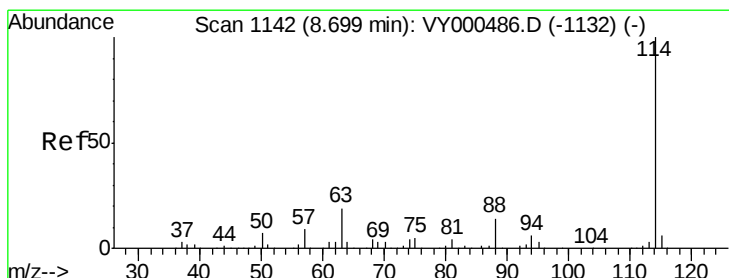
Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

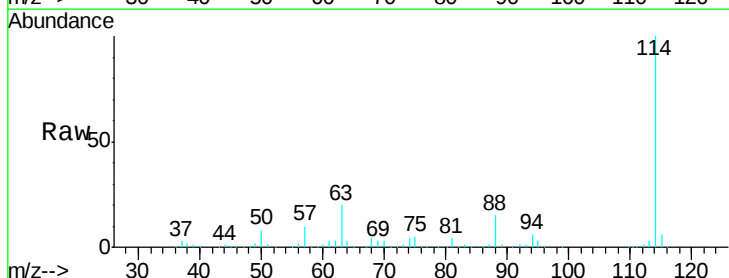
Tgt Ion: 114 Resp: 388660

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

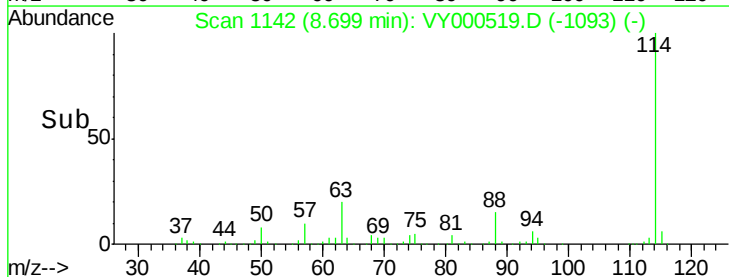
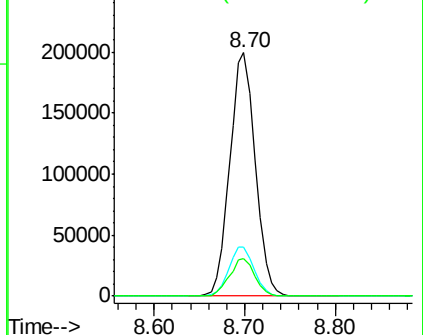
88 15.2 0.0 28.6

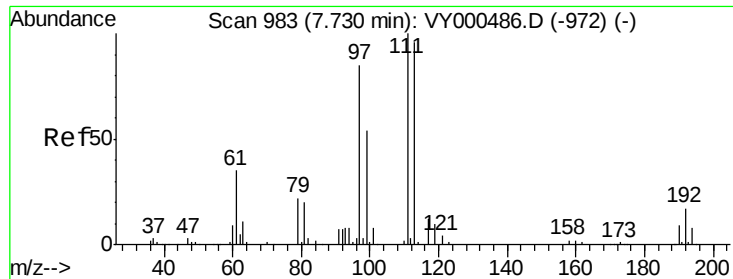


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



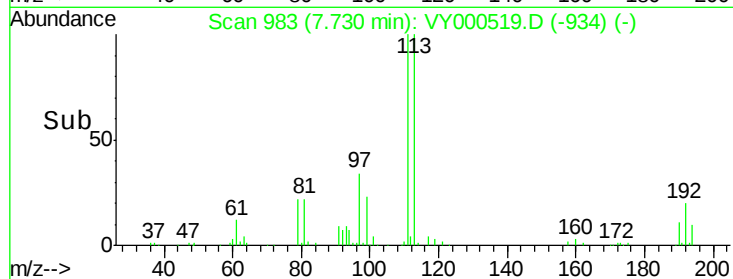
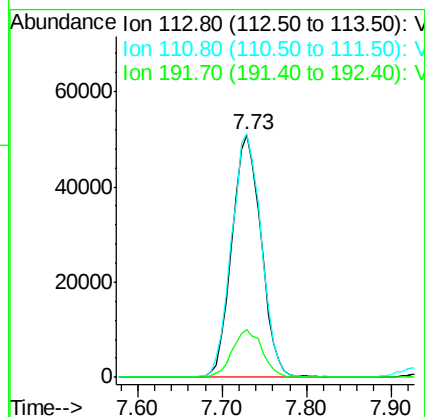
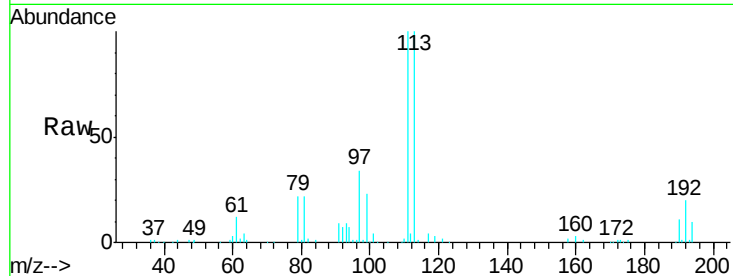


#35
 Dibromofluoromethane
 Concen: 52.446 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

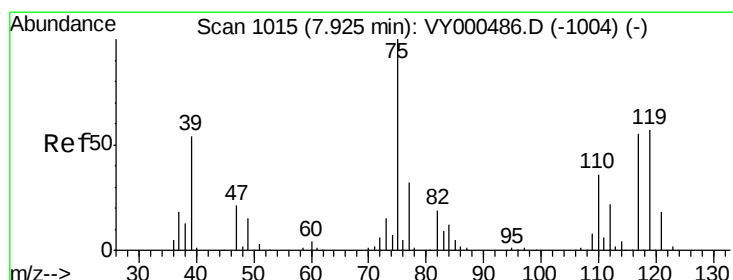
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	119666		
111	102.2	81.7	122.5	
192	20.1	15.0	22.4	

Manual Integrations
 APPROVED



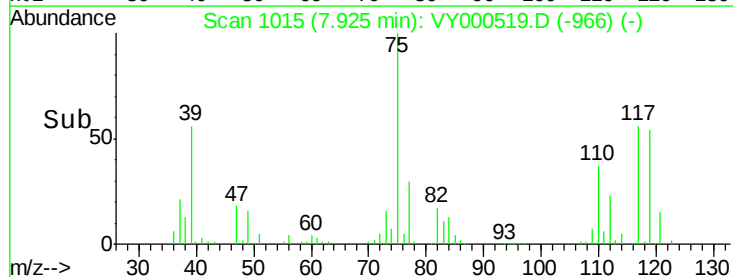
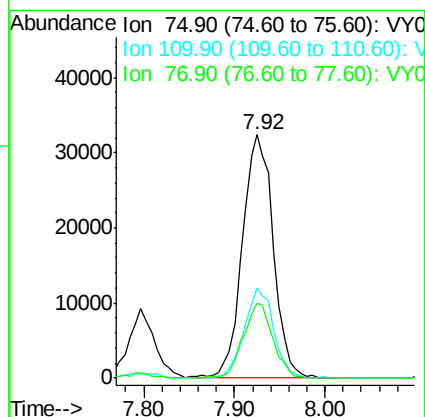
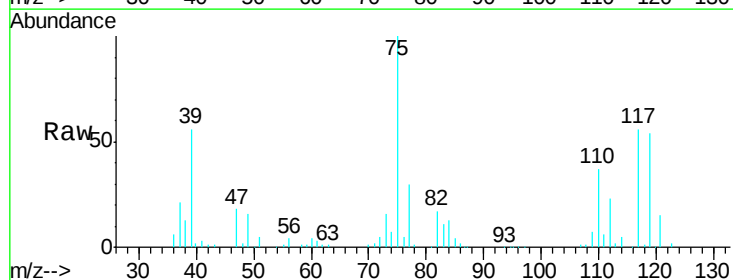
MMDadoda

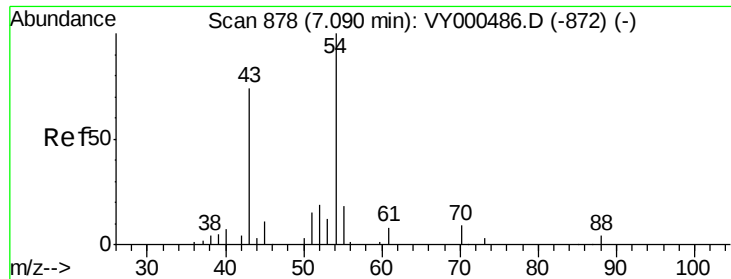
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#36
 1,1-Dichloropropene
 Concen: 20.744 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76218		
110	35.1	18.1	54.1	
77	29.6	25.0	37.6	



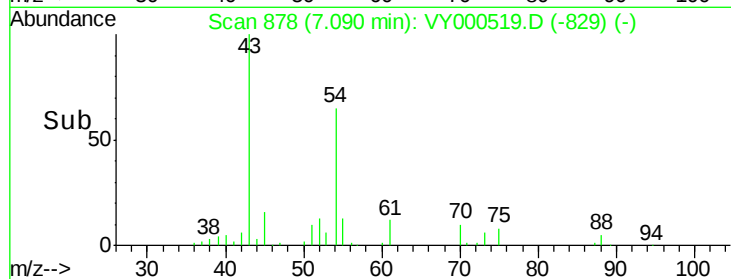
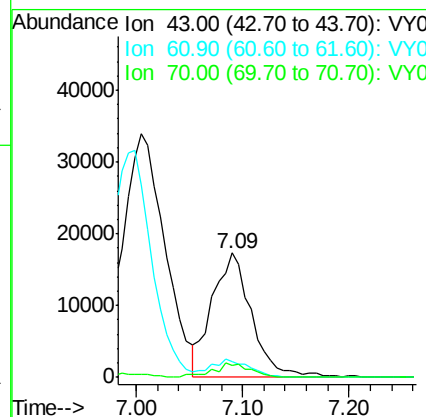
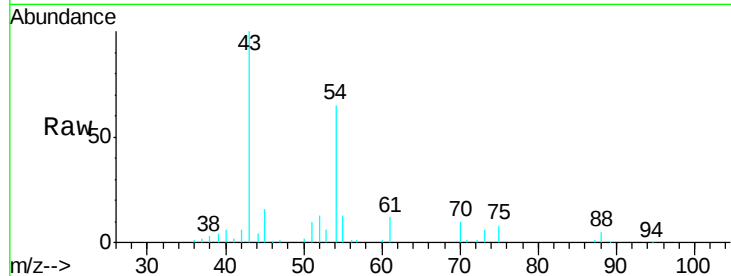


#37
Ethyl Acetate
Concen: 20.345 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

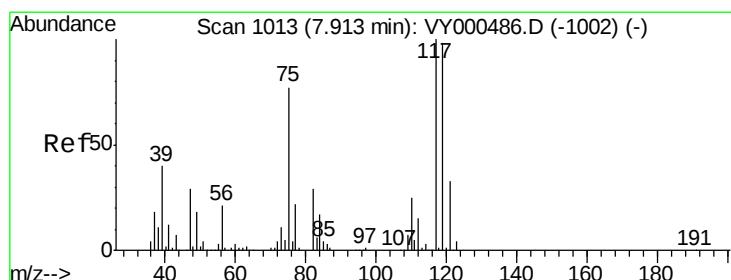
Tgt Ion: 43 Resp: 44381
Ion Ratio Lower Upper
43 100
61 14.4 10.2 15.2
70 10.8 7.8 11.8

Manual Integrations
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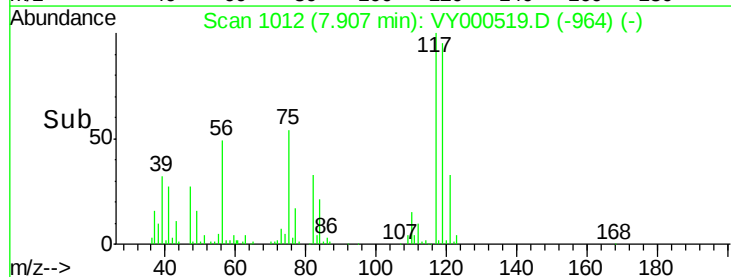
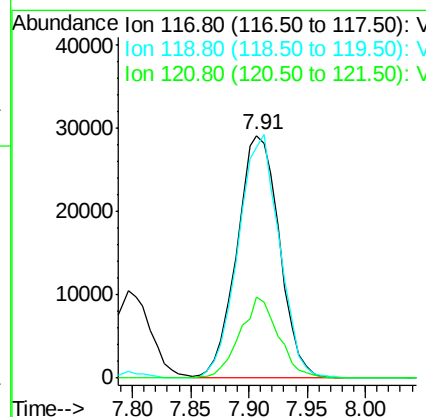
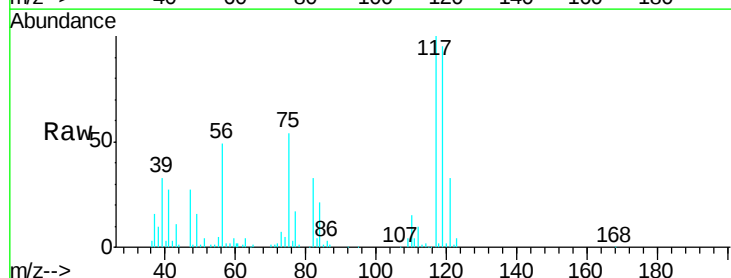
MMDadoda

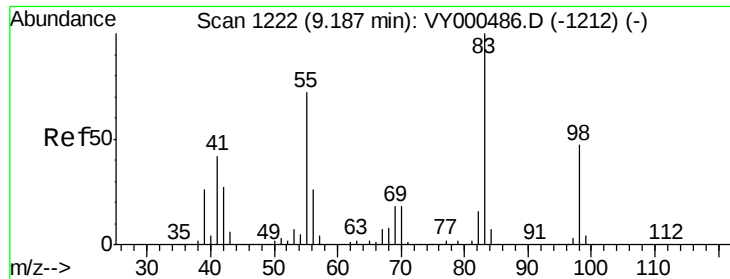
11/4/2019 3:58:29 PM



#38
Carbon Tetrachloride
Concen: 20.930 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 117 Resp: 73996
Ion Ratio Lower Upper
117 100
119 94.9 78.0 117.0
121 33.1 26.6 40.0



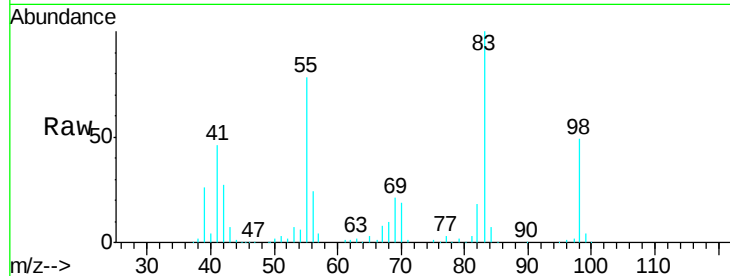


#39
Methylcyclohexane
Concen: 20.106 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

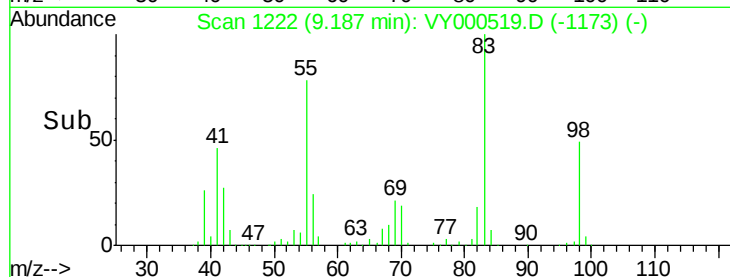
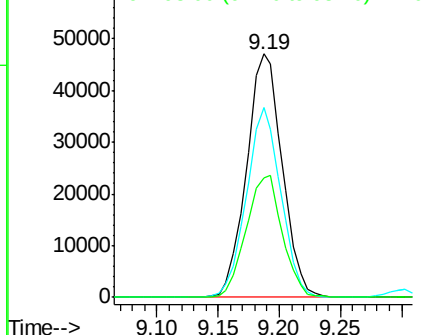
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.9	57.5	86.3
98	48.9	38.0	57.0

Manual Integrations
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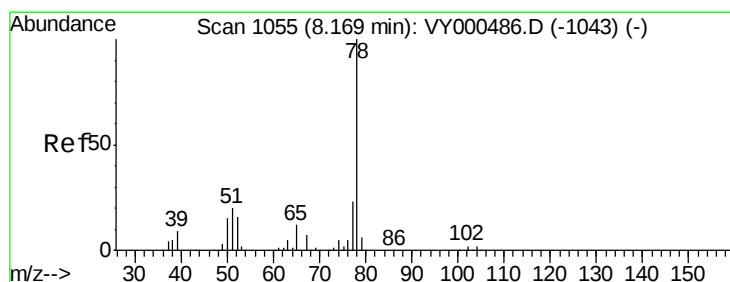


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



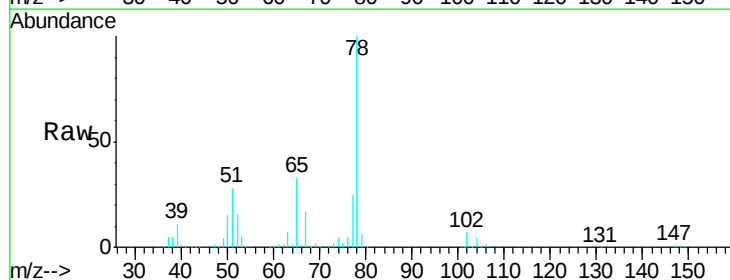
MMDadoda

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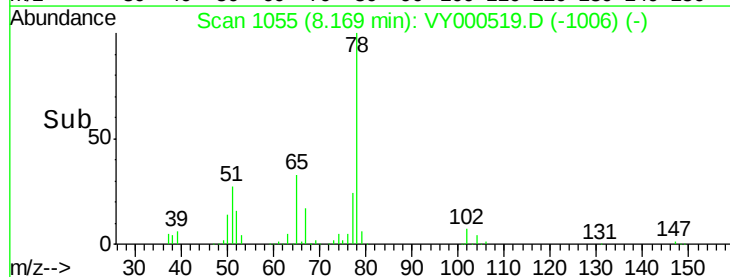
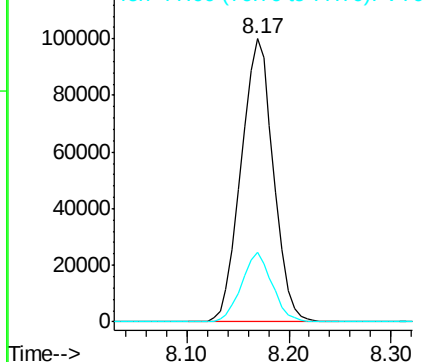


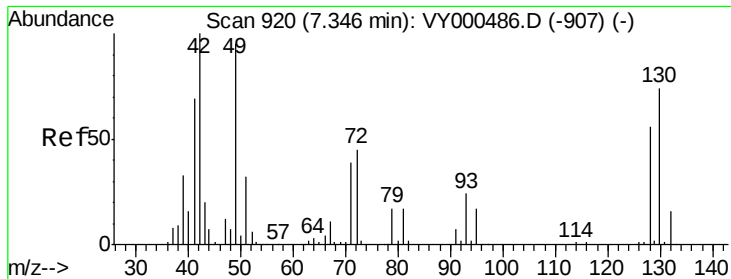
#40
Benzene
Concen: 20.394 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0



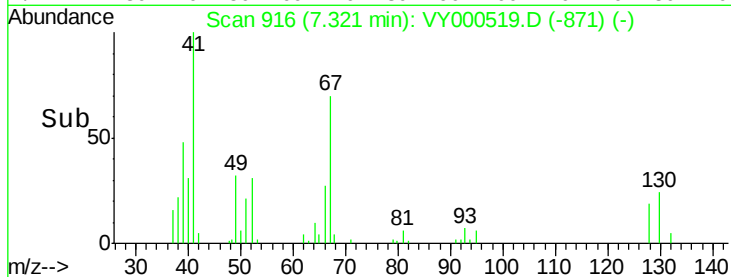
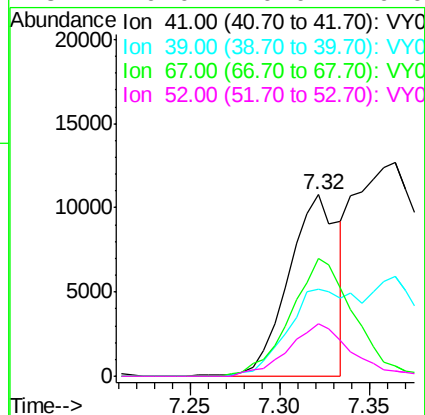
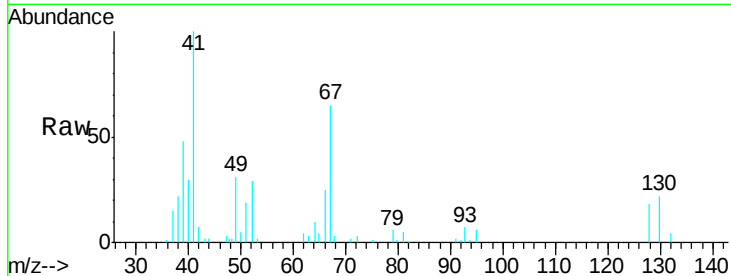


#41
Methacrylonitrile
Concen: 17.253 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

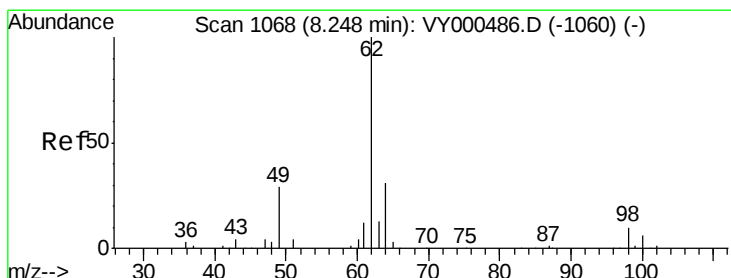
Tgt Ion:	41	Resp:	20995
Ion Ratio		Lower	Upper
41	100		
39	0.0	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED



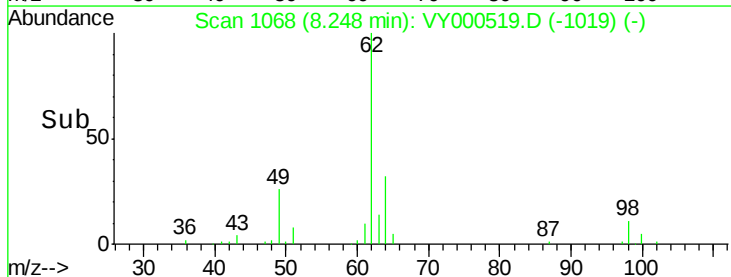
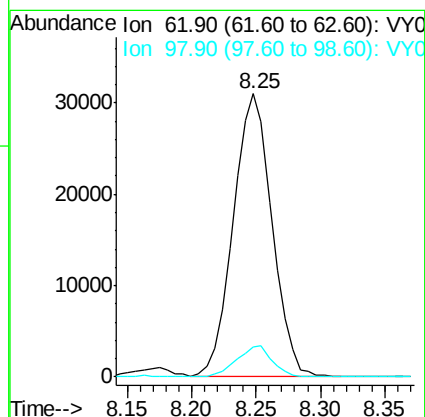
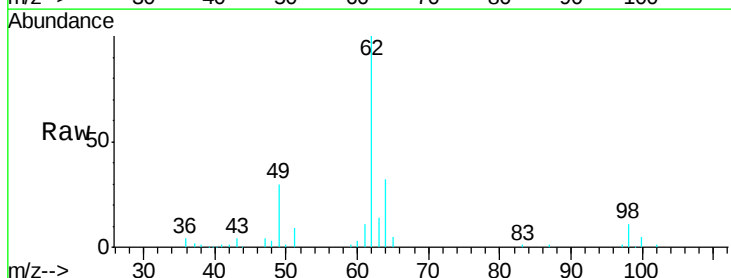
MMDadoda

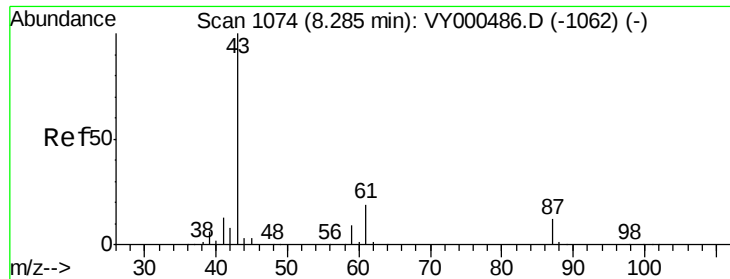
11/4/2019 3:58:29 PM



#42
1,2-Dichloroethane
Concen: 21.195 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion:	62	Resp:	64754
Ion Ratio		Lower	Upper
62	100		
98	10.0	0.0	19.2



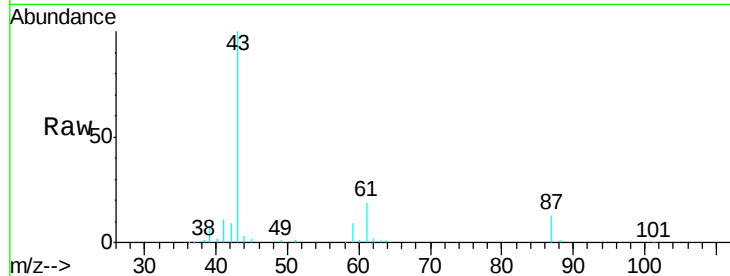


#43
Isopropyl Acetate
Concen: 20.593 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

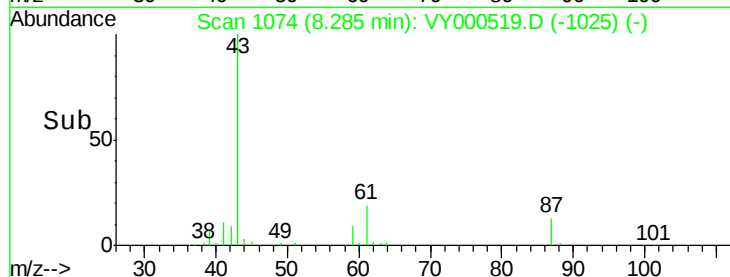
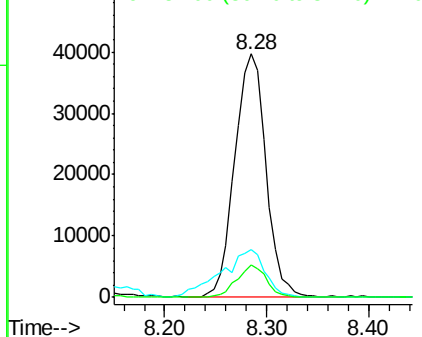
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.6	23.0	34.4
87	12.8	10.5	15.7

Manual Integrations
APPROVED

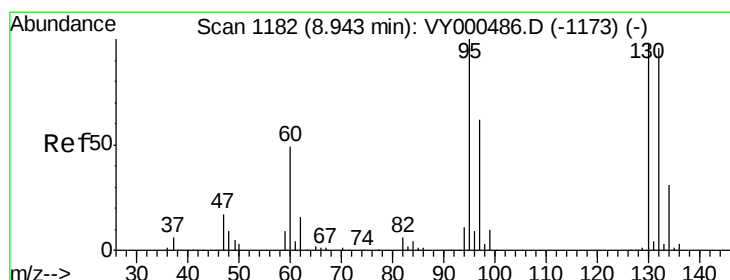


Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1062) (-)
Ion 61.00 (60.70 to 61.70): VY000486.D (-1062) (-)
Ion 87.00 (86.70 to 87.70): VY000486.D (-1062) (-)



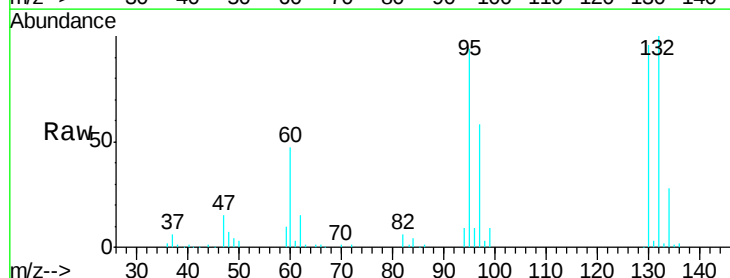
MMDadoda

11/4/2019 3:58:29 PM

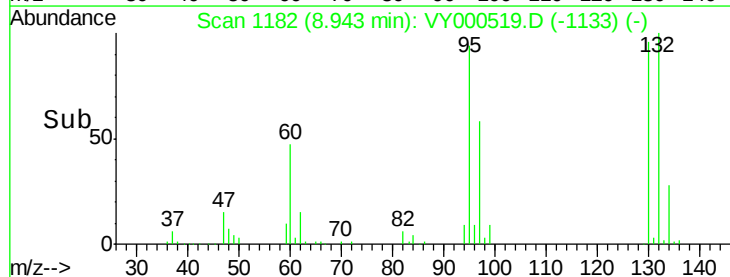
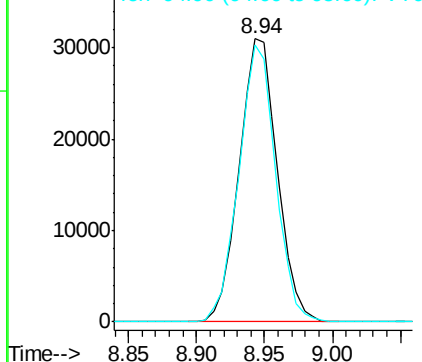


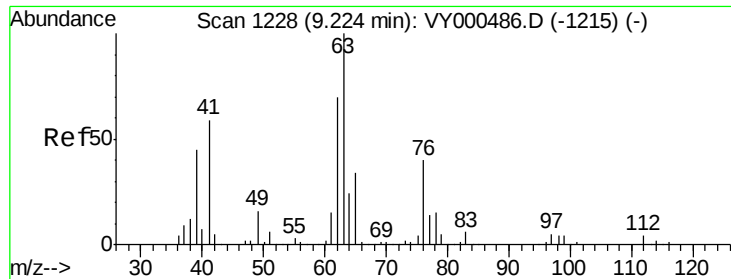
#44
Trichloroethene
Concen: 21.360 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	203.2



Abundance Ion 129.80 (129.50 to 130.50): VY000486.D (-1173) (-)
Ion 94.90 (94.60 to 95.60): VY000486.D (-1173) (-)



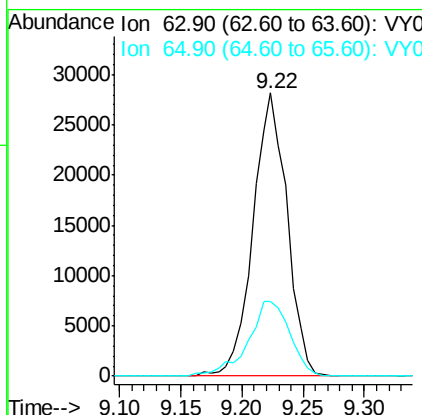
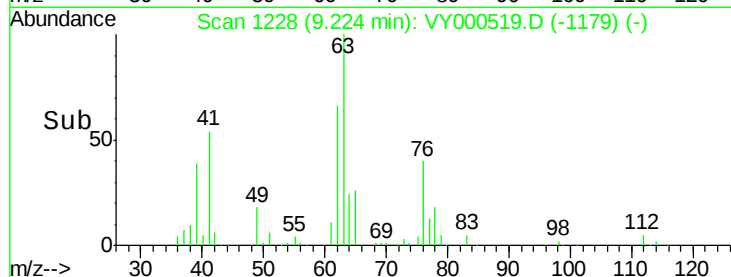
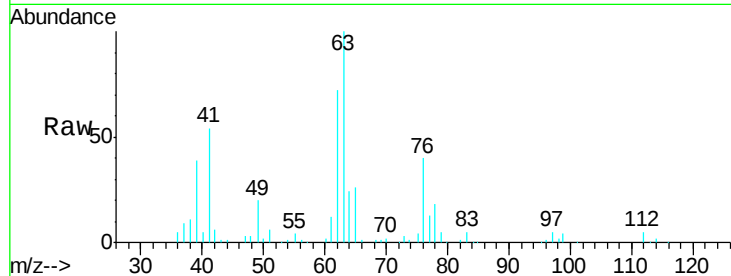


#45
 1,2-Dichloropropane
 Concen: 20.607 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

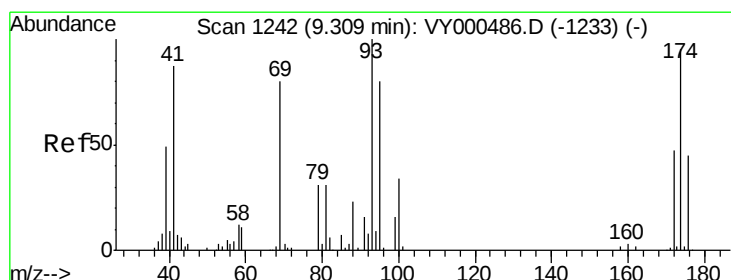
Tgt Ion: 63 Resp: 54633
 Ion Ratio Lower Upper
 63 100
 65 26.4 27.0 40.4#

Manual Integrations
 APPROVED



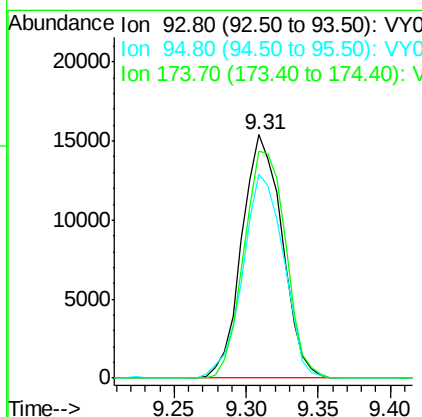
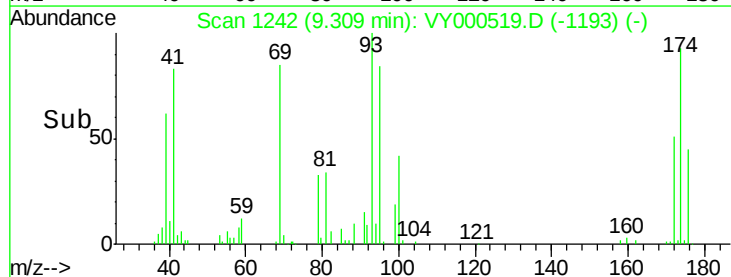
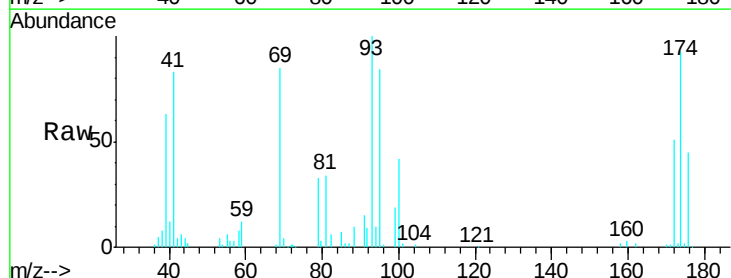
MMDadoda

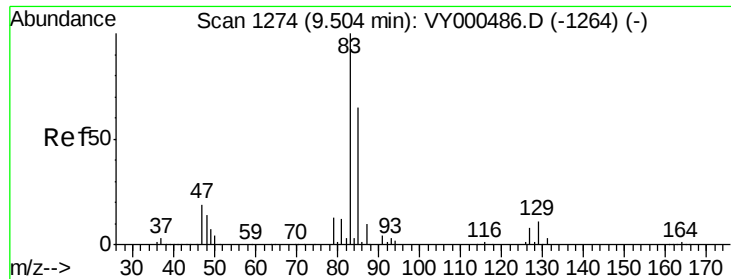
11/4/2019 3:58:29 PM



#46
 Dibromomethane
 Concen: 20.410 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion: 93 Resp: 29759
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.4 99.6
 174 96.5 77.1 115.7





#47

Bromodichloromethane

Concen: 20.524 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

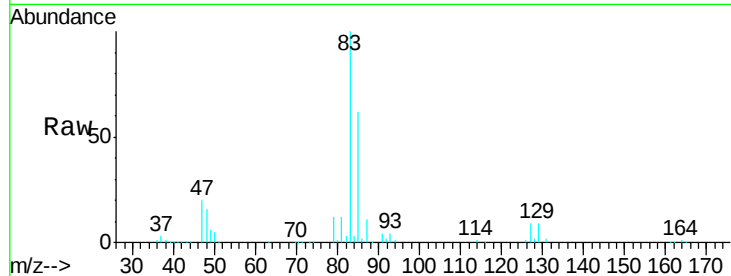
MSVOA_Y

ClientSampleId :

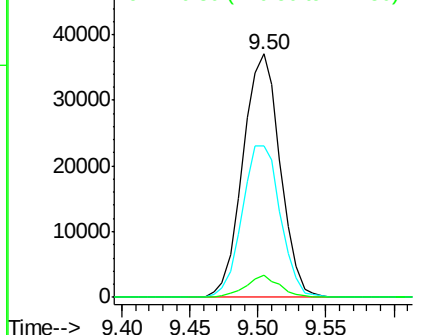
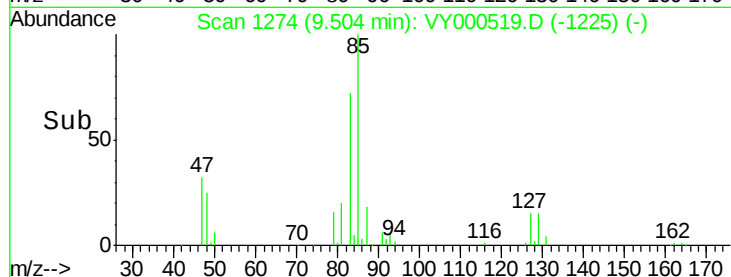
VY1101SBS01

Tgt Ion:	83	Resp:	71005
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.8
127	9.2	6.7	10.1

Manual Integrations
APPROVED

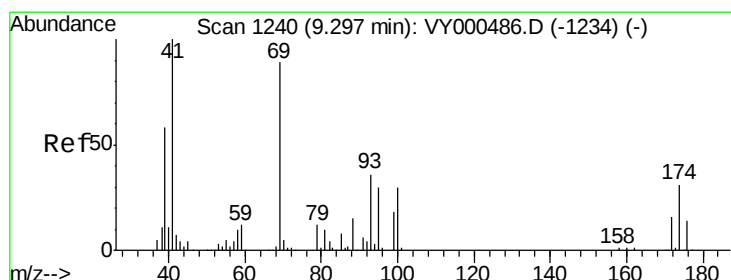


Abundance Ion 82.90 (82.60 to 83.60): VY000519.D (-1225) (-)



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#48

Methyl methacrylate

Concen: 21.205 ug/l

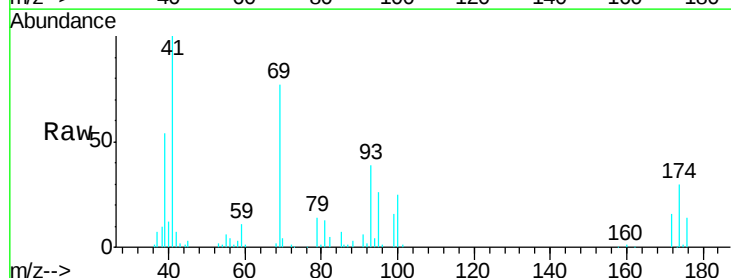
RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

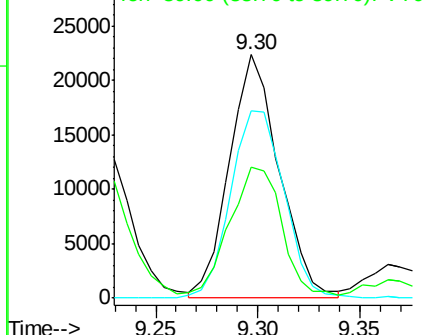
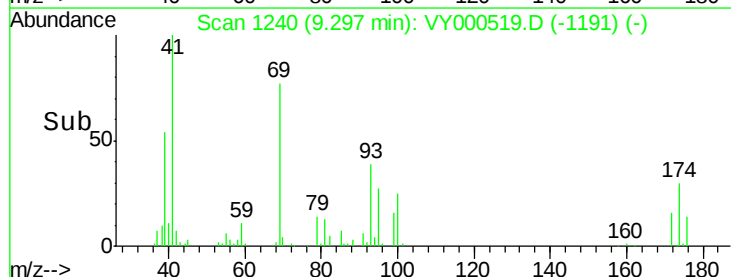
Lab File: VY000519.D

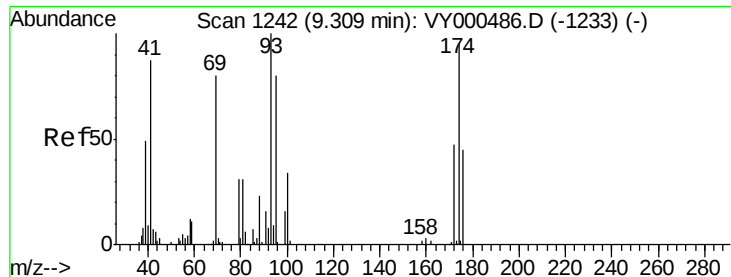
Acq: 01 Nov 2019 12:04

Tgt Ion:	41	Resp:	37966
Ion	Ratio	Lower	Upper
41	100		
69	82.6	72.5	108.7
39	57.4	47.8	71.8



Abundance Ion 41.00 (40.70 to 41.70): VY000519.D (-1191) (-)





#49

1,4-Dioxane

Concen: 423.583 ug/l m

RT: 9.33 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

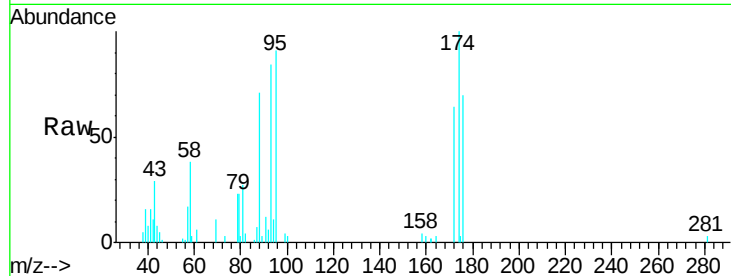
MSVOA_Y

ClientSampleId :

VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	72.5	50.6	75.8

Manual Integrations
APPROVED

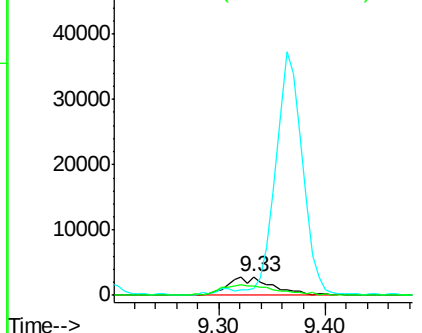
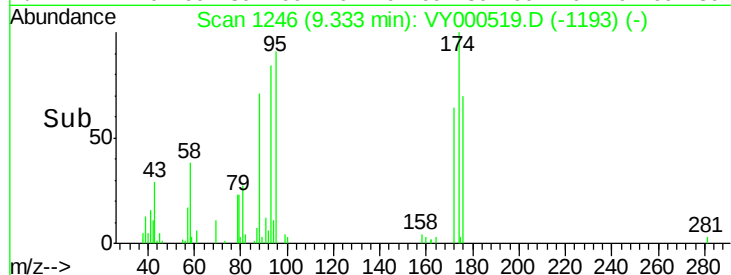


Abundance

Ion 88.00 (87.70 to 88.70): VY0

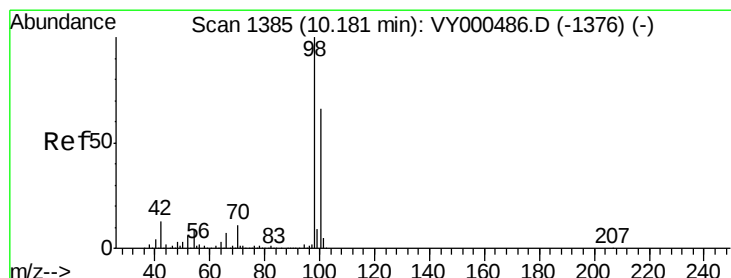
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



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#50

Toluene-d8

Concen: 56.858 ug/l

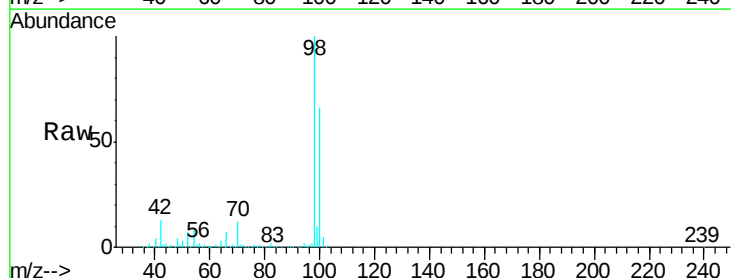
RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

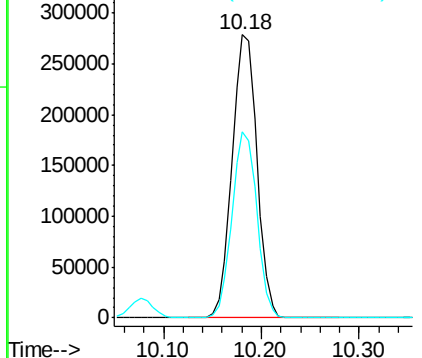
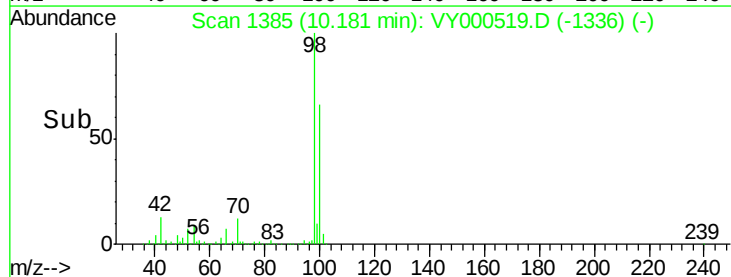
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3

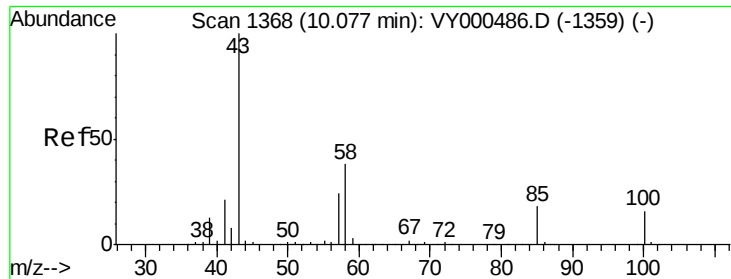


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



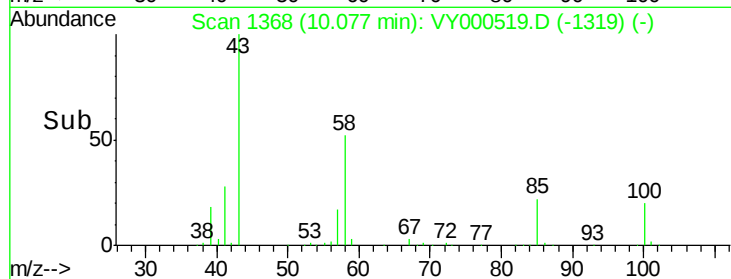
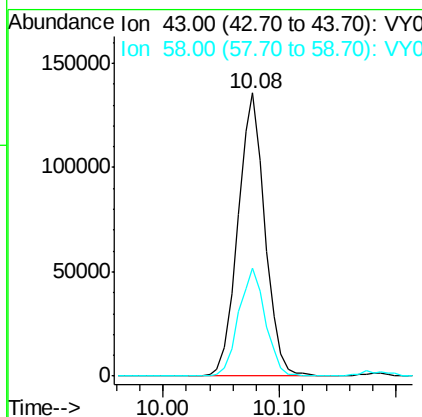
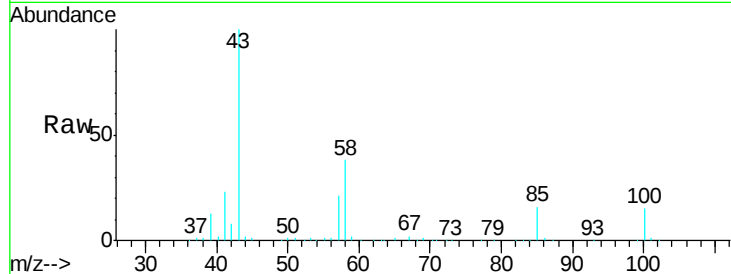


#51
4-Methyl-2-Pentanone
Concen: 100.443 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampled :
VY1101SBS01

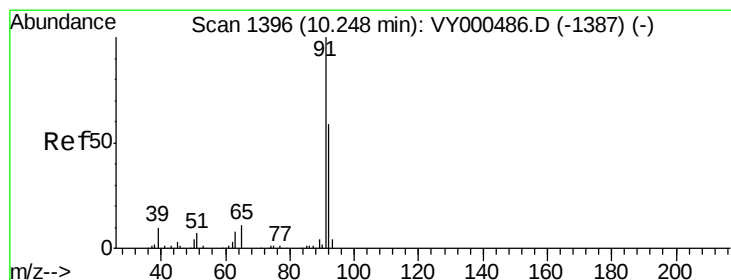
Tgt Ion: 43 Resp: 218832
Ion Ratio Lower Upper
43 100
58 37.8 30.2 45.4

Manual Integrations
APPROVED



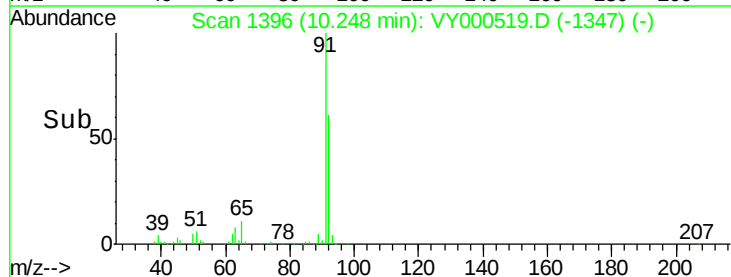
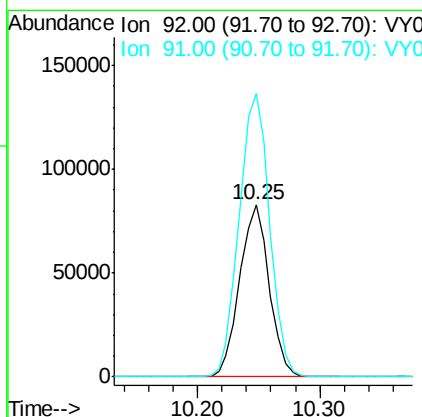
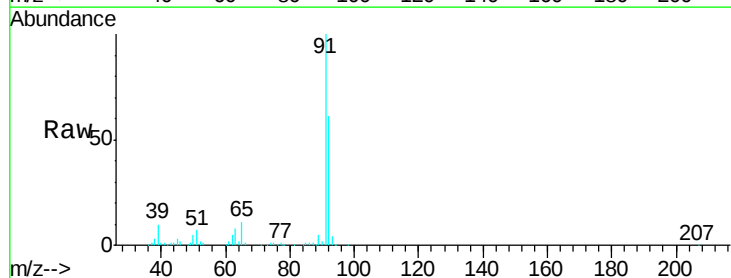
MMDadoda

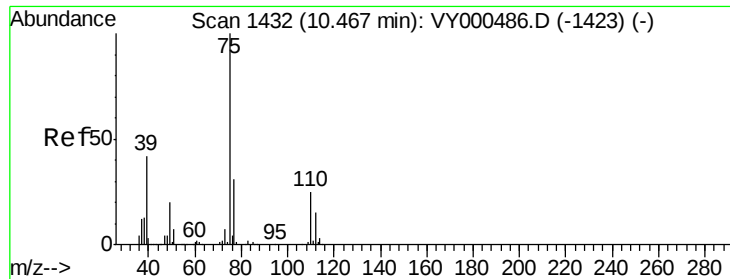
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#52
Toluene
Concen: 20.344 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 92 Resp: 138551
Ion Ratio Lower Upper
92 100
91 170.1 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 20.222 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

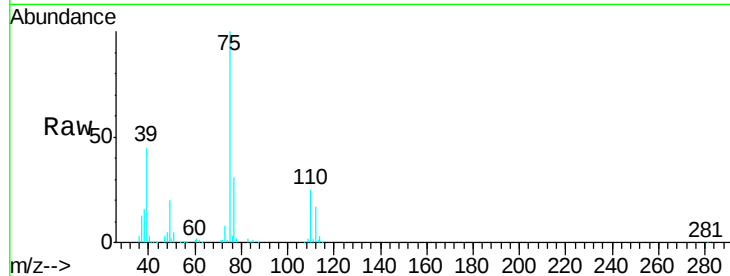
Tgt Ion: 75 Resp: 74752

Ion Ratio Lower Upper

75 100

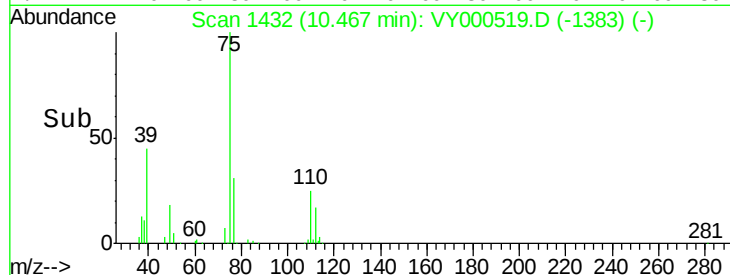
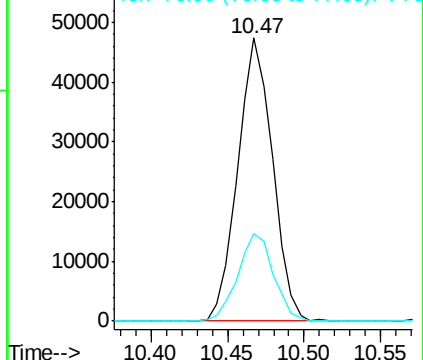
77 30.9 24.6 37.0

Manual Integrations
APPROVED



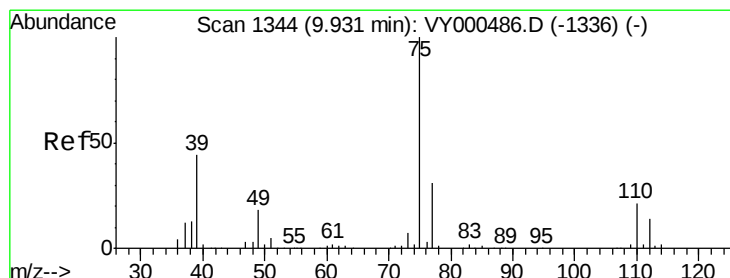
Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



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#54

cis-1,3-Dichloropropene

Concen: 20.281 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

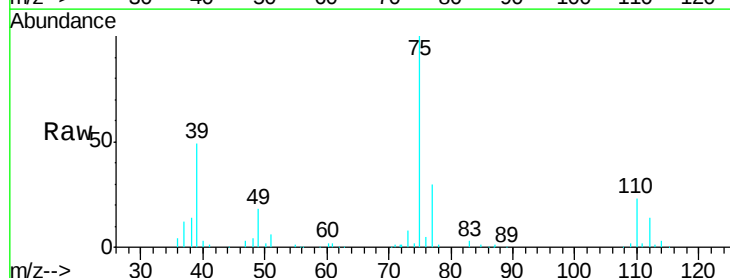
Tgt Ion: 75 Resp: 85886

Ion Ratio Lower Upper

75 100

77 29.6 24.5 36.7

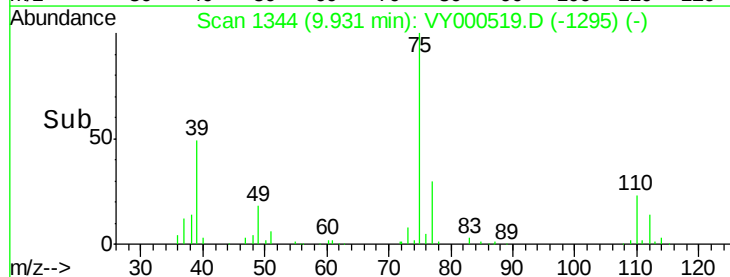
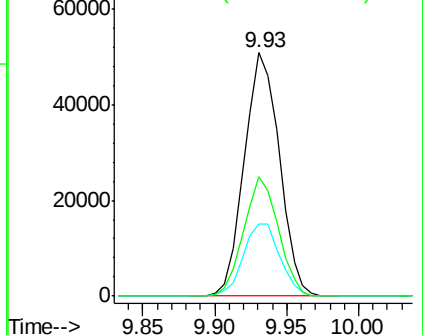
39 48.9 35.4 53.2

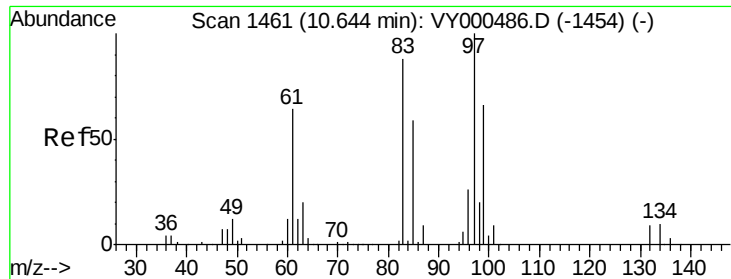


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0



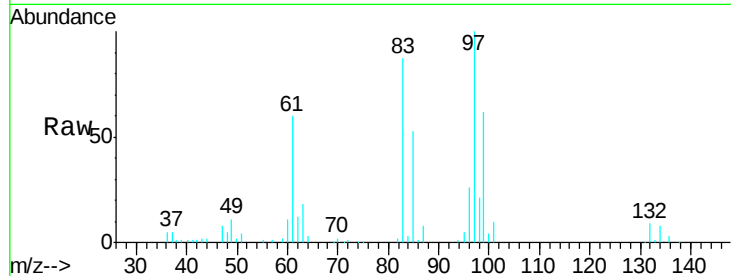


#55
1,1,2-Trichloroethane
Concen: 20.563 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

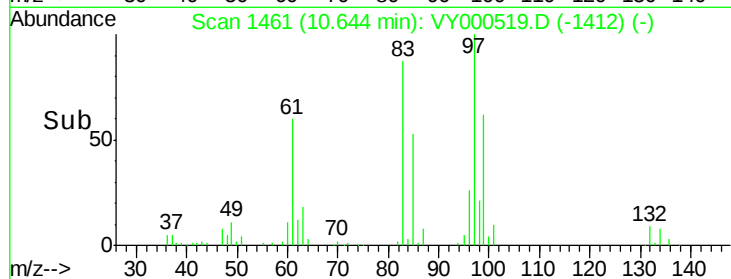
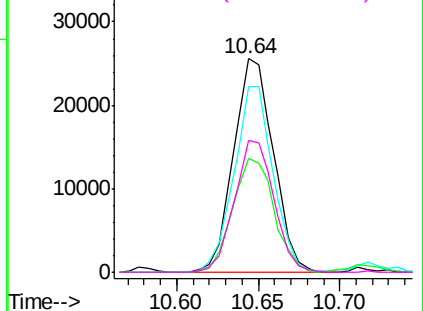
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.4
85	53.1	46.9	70.3
99	62.0	52.6	78.8

Manual Integrations
APPROVED

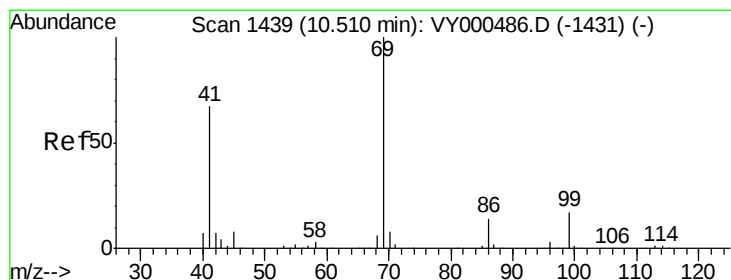


Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 98.90 (98.60 to 99.60): VY0



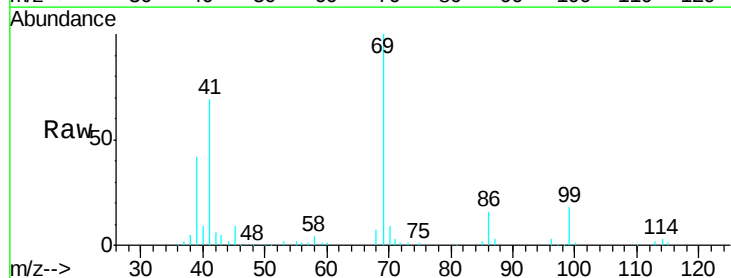
MMDadoda

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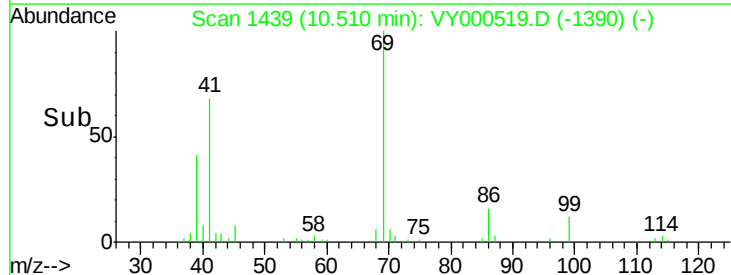
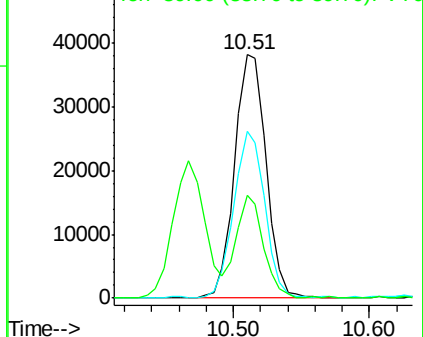


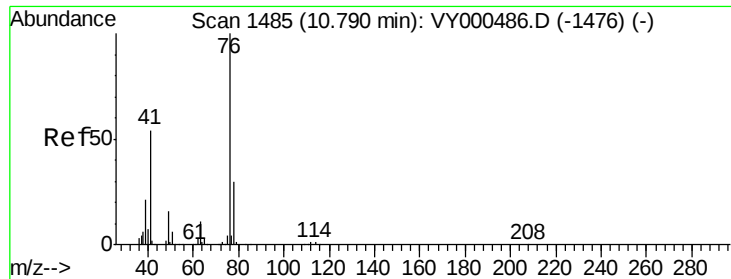
#56
Ethyl methacrylate
Concen: 20.540 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.3	79.9
39	36.1	28.0	42.0



Abundance Ion 69.00 (68.70 to 69.70): VY0
Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0



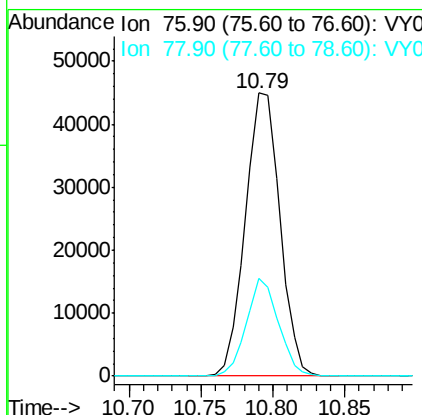
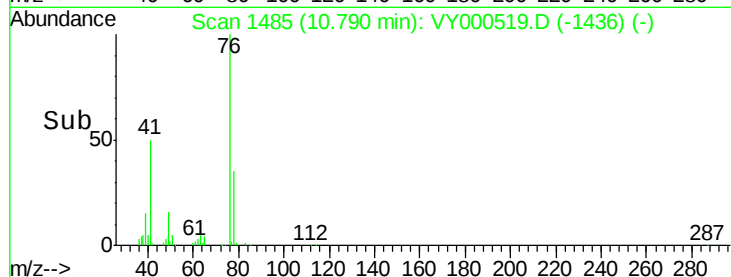
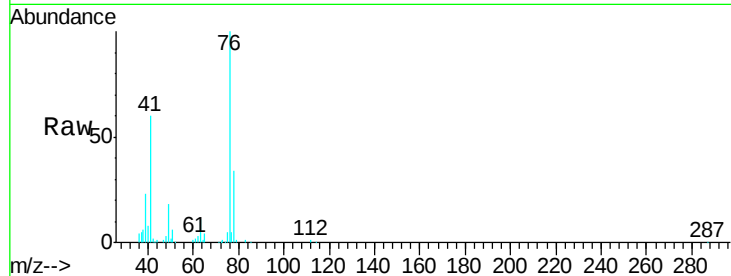


#57
 1,3-Dichloropropane
 Concen: 20.267 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

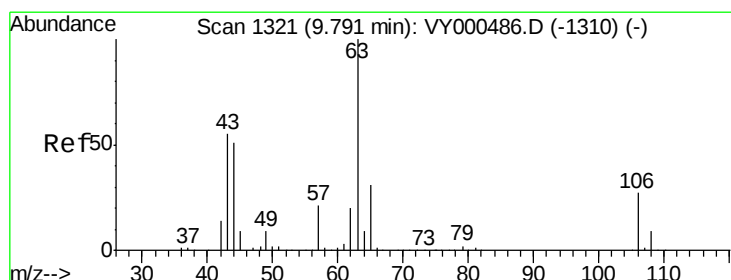
Tgt Ion: 76 Resp: 74804
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

Manual Integrations
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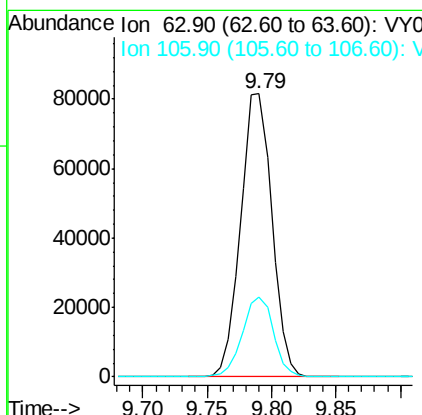
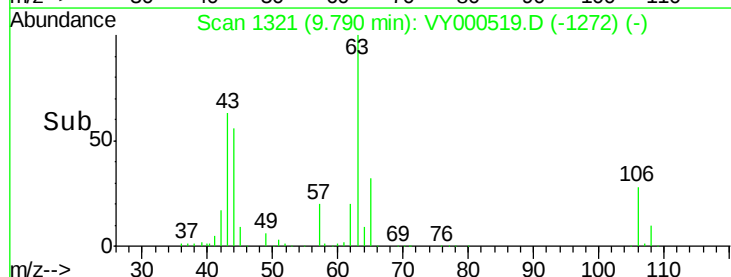
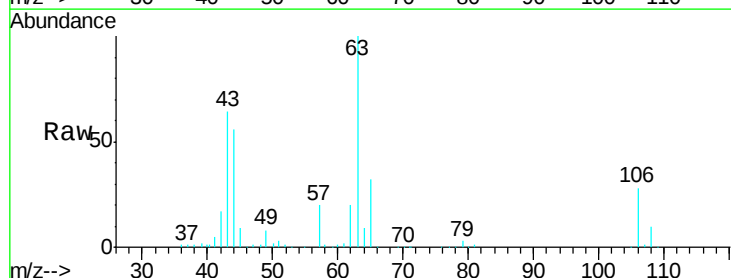
MMDadoda

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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.378 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion: 63 Resp: 136991
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 33.8



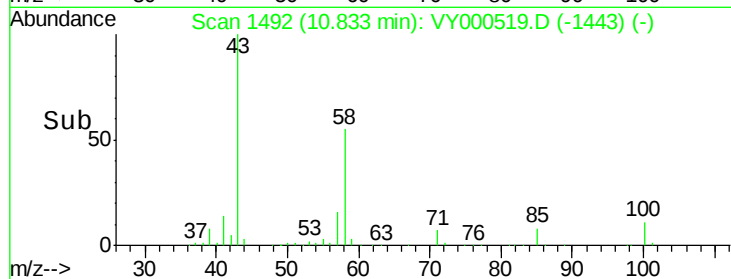
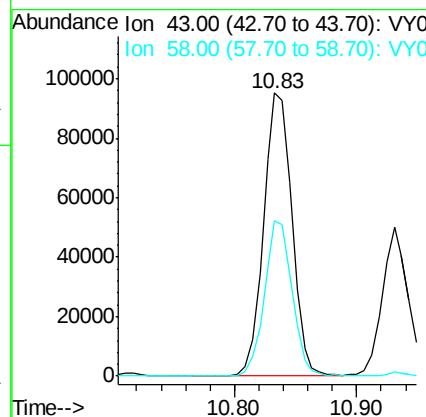
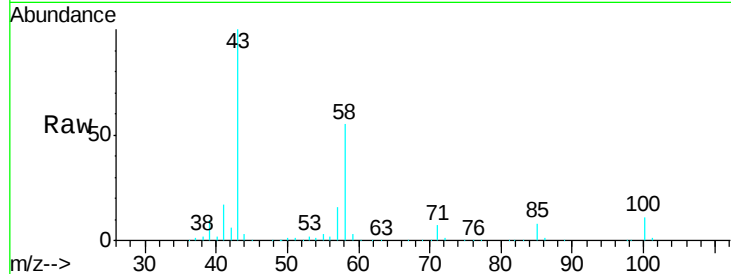


#59
2-Hexanone
Concen: 96.858 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

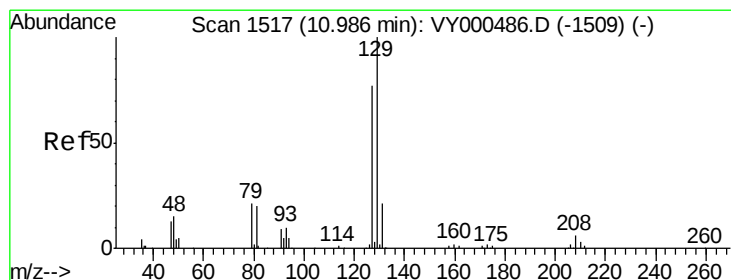
Tgt Ion: 43 Resp: 153749
Ion Ratio Lower Upper
43 100
58 53.8 27.1 81.3

Manual Integrations
APPROVED



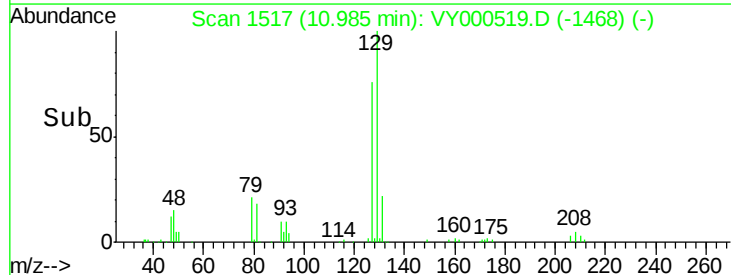
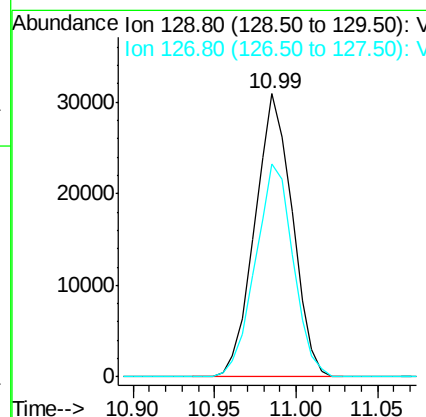
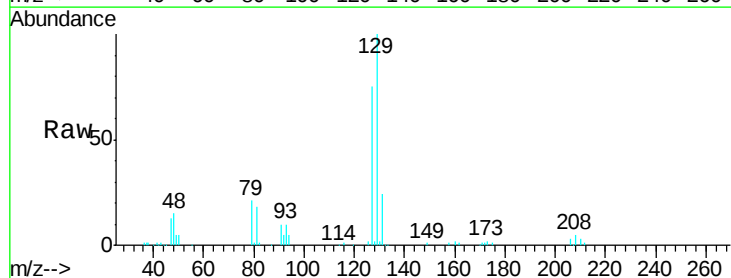
MMDadoda

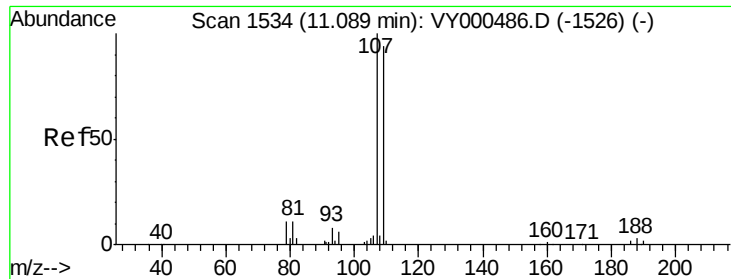
11/4/2019 3:58:29 PM



#60
Dibromochloromethane
Concen: 20.488 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 129 Resp: 49491
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.2



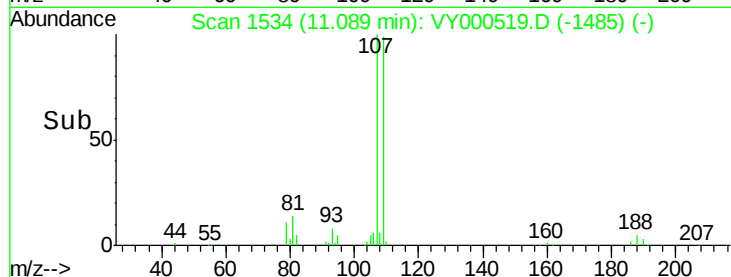
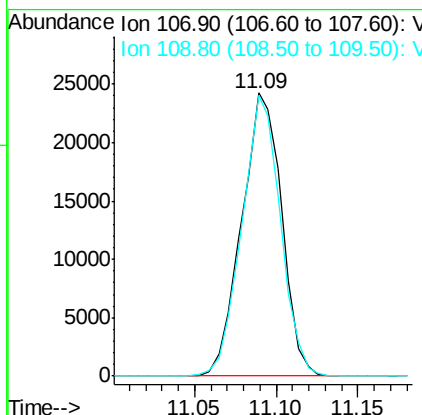
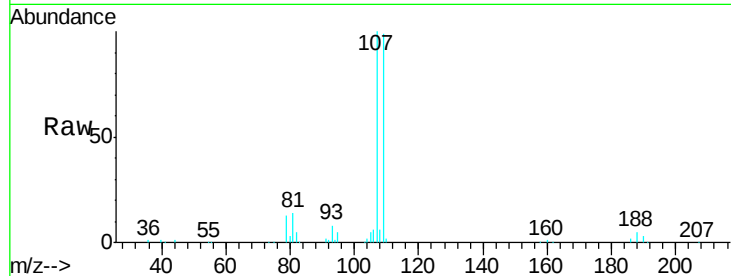


#61
 1,2-Dibromoethane
 Concen: 20.361 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

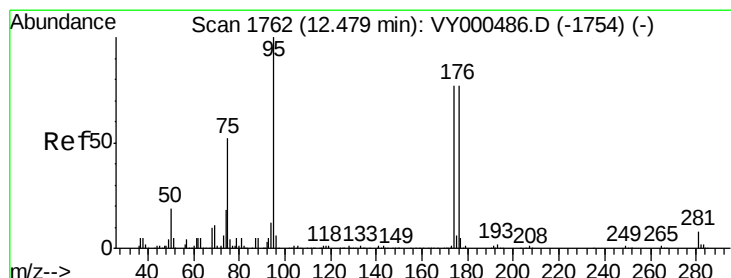
Tgt Ion: 107 Resp: 41286
 Ion Ratio Lower Upper
 107 100
 109 95.9 73.6 110.4

Manual Integrations
 APPROVED



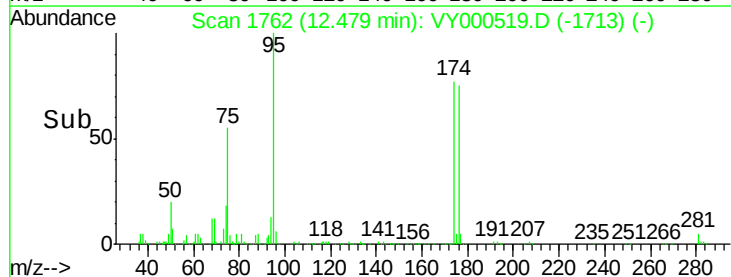
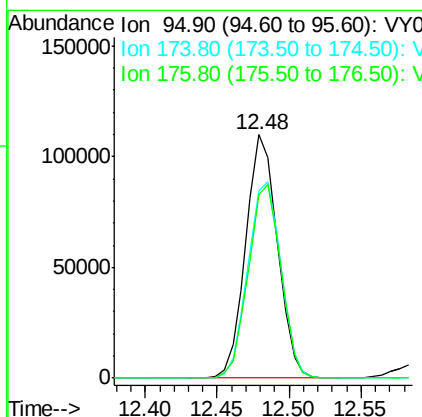
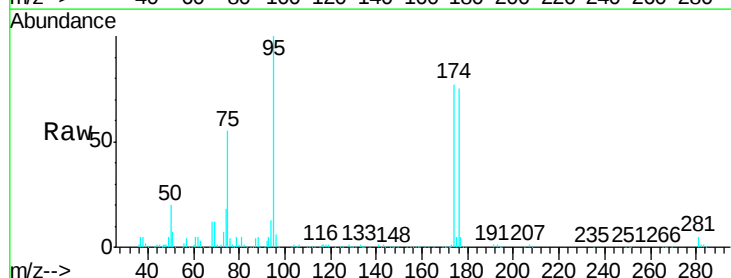
MMDadoda

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#62
 4-Bromofluorobenzene
 Concen: 50.534 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion: 95 Resp: 166559
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 161.6
 176 81.7 0.0 157.8



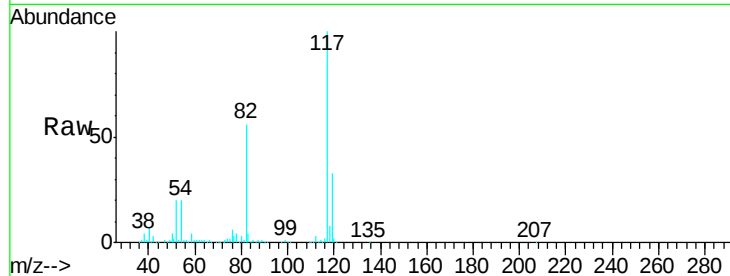


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	346119		
82	55.7	40.8	61.2	
119	32.6	26.2	39.2	

Manual Integrations
APPROVED

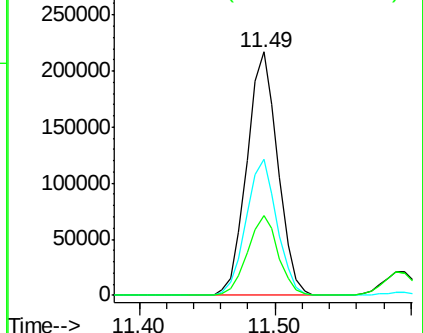


Abundance

Ion 116.90 (116.60 to 117.60): V

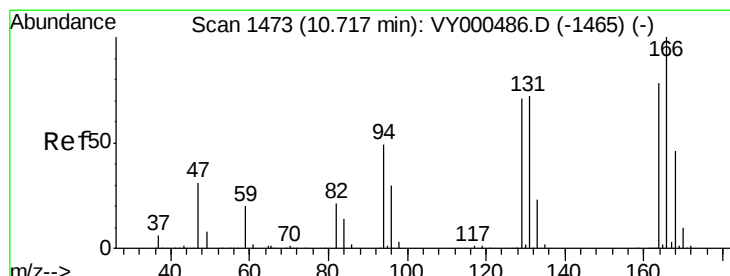
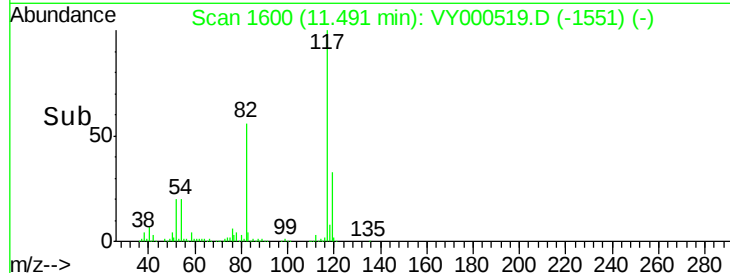
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 21.395 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61231		
166	124.3	102.7	154.1	
129	96.8	73.2	109.8	
131	90.1	74.2	111.2	

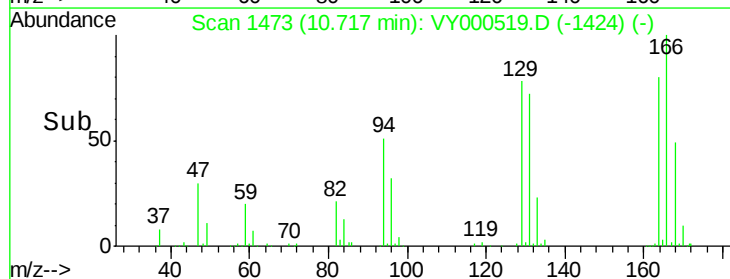
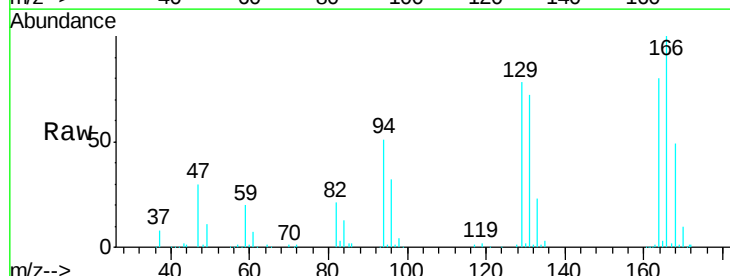
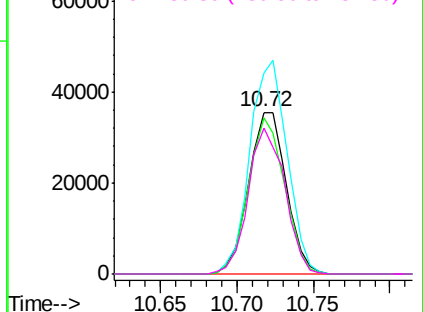
Abundance

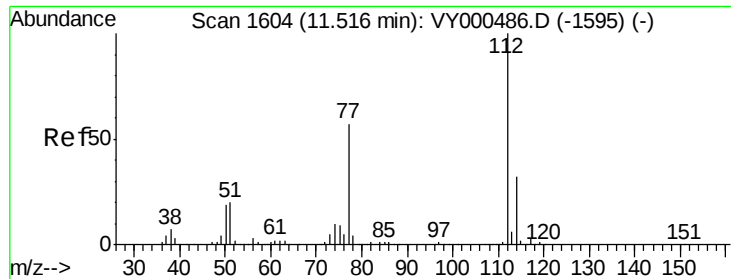
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



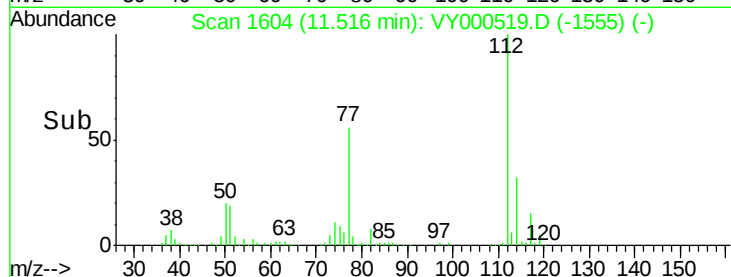
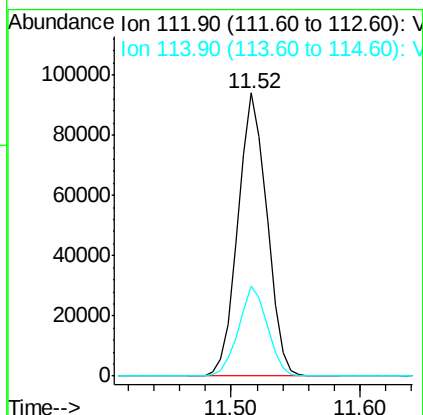
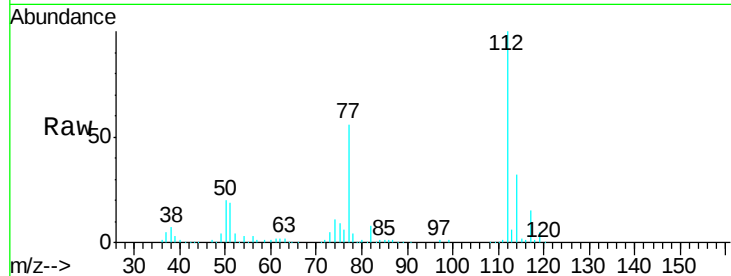


#65
Chlorobenzene
Concen: 20.936 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

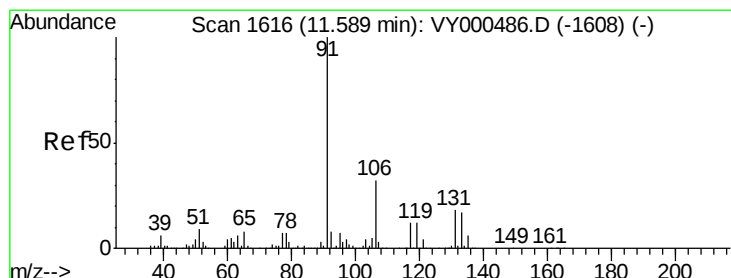
Tgt Ion:112 Resp: 146920
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

Manual Integrations
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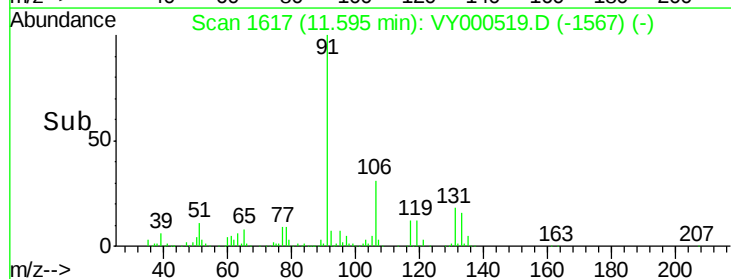
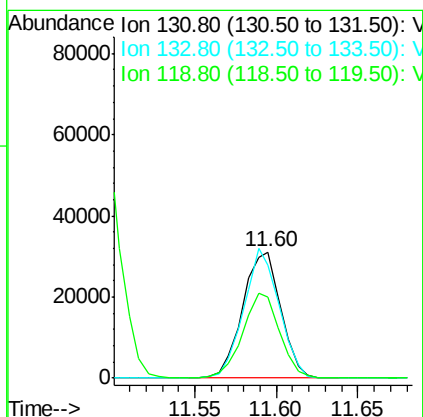
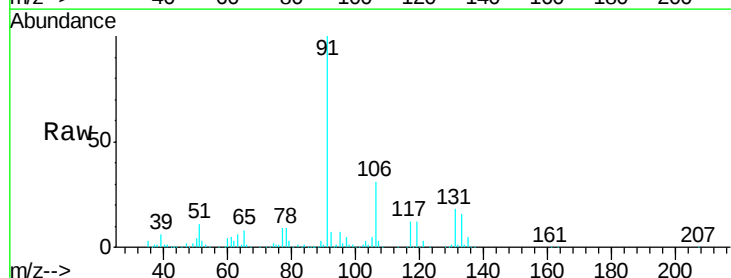
MMDadoda

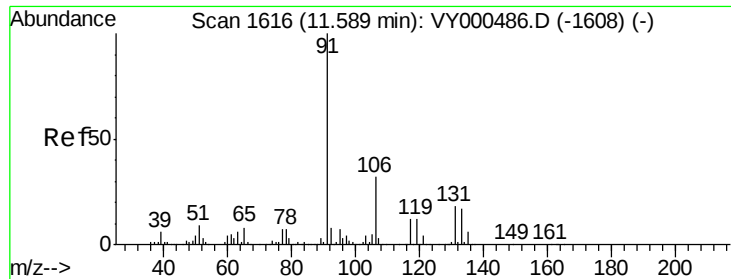
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.762 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion:131 Resp: 50530
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 65.6 33.1 99.3



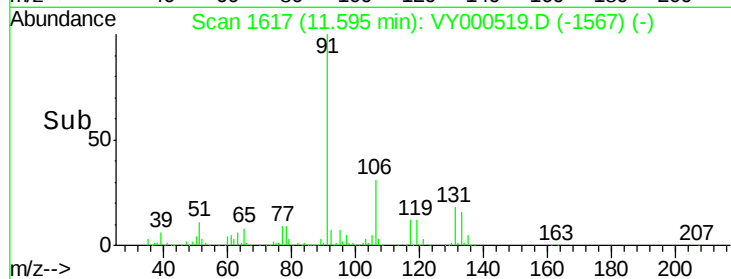
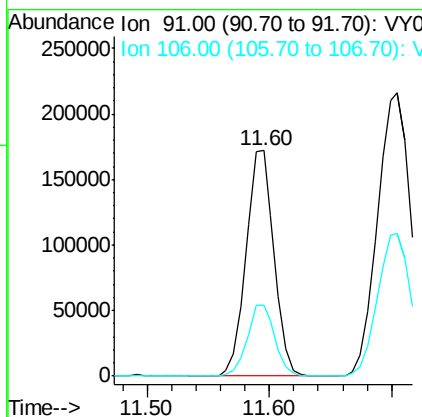
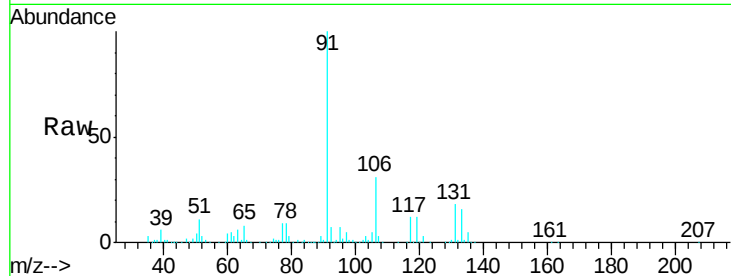


#67
Ethyl Benzene
Concen: 21.097 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

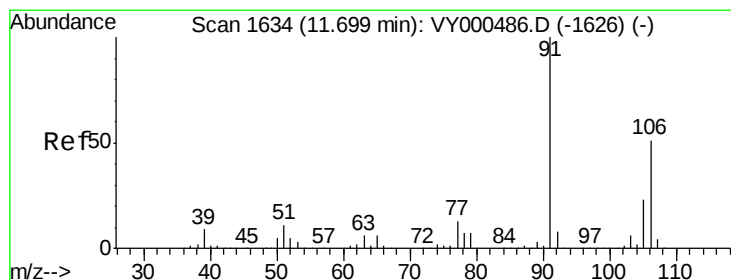
Tgt Ion: 91 Resp: 272475
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.0

Manual Integrations
APPROVED



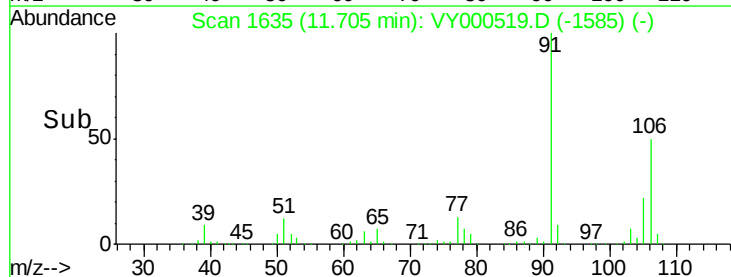
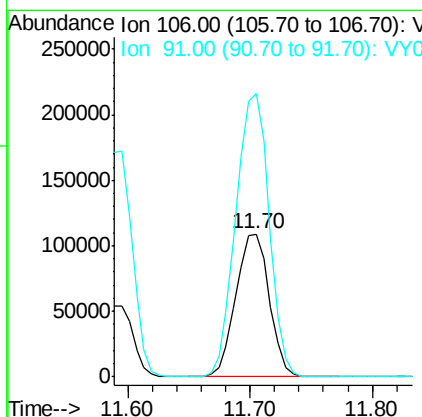
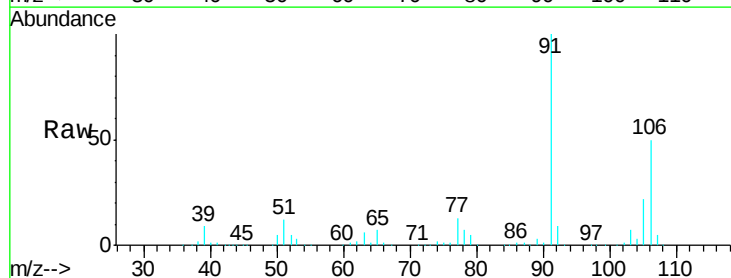
MMDadoda

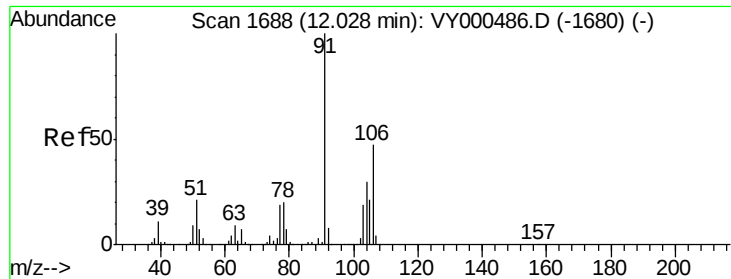
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#68
m/p-Xylenes
Concen: 41.271 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 106 Resp: 206301
Ion Ratio Lower Upper
106 100
91 197.9 155.9 233.9



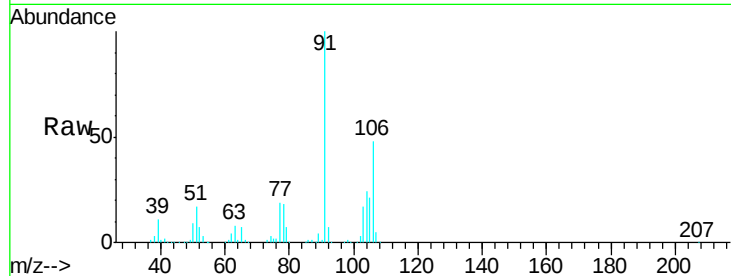


#69
o-Xylene
Concen: 20.819 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

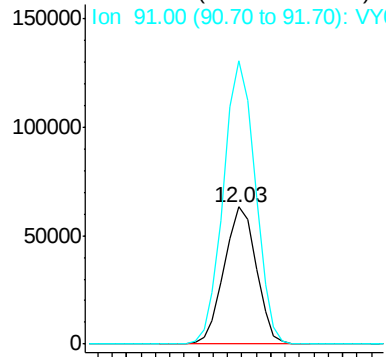
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion:106 Resp: 97805
Ion Ratio Lower Upper
106 100
91 203.8 106.5 319.6

Manual Integrations
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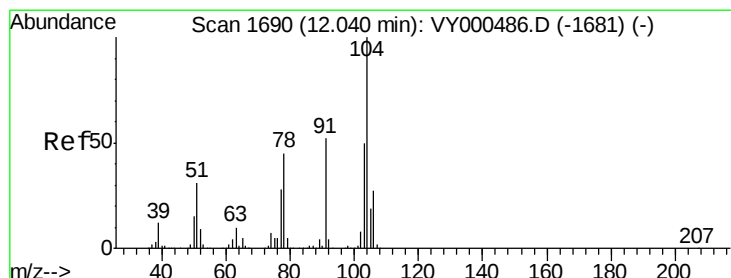
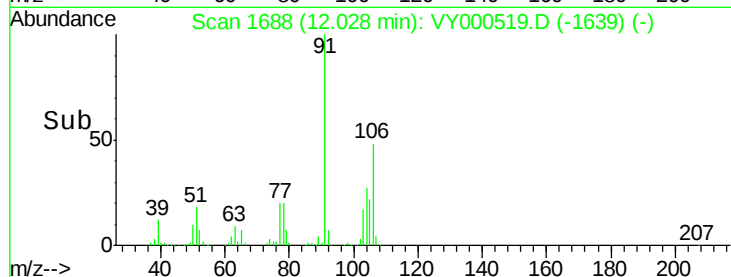


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



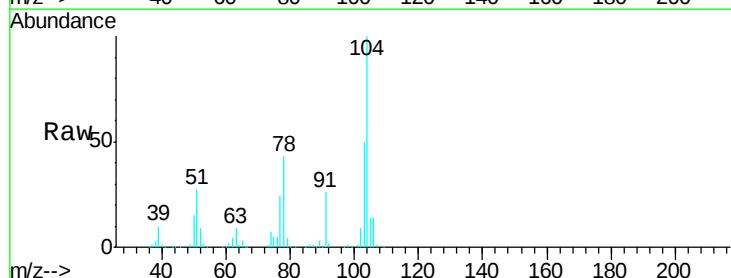
MMDadoda

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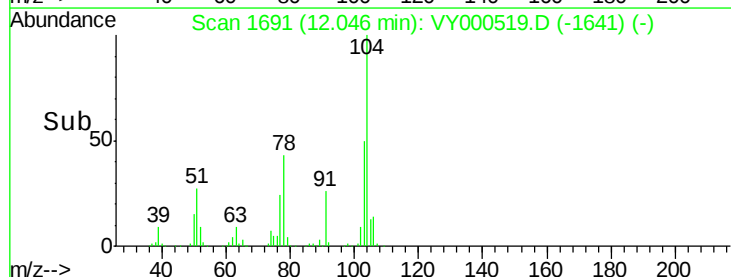
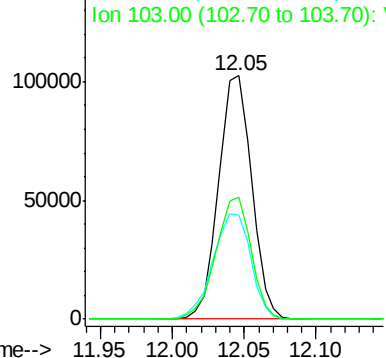


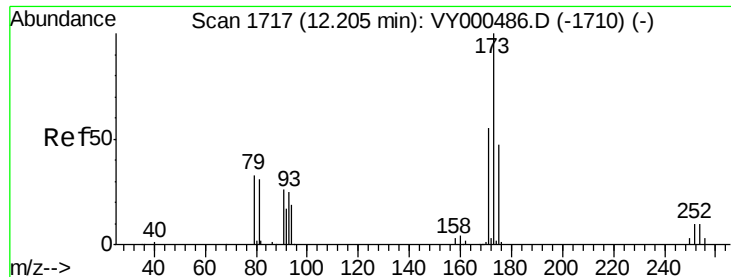
#70
Styrene
Concen: 20.321 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion:104 Resp: 163470
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 53.3 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.605 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

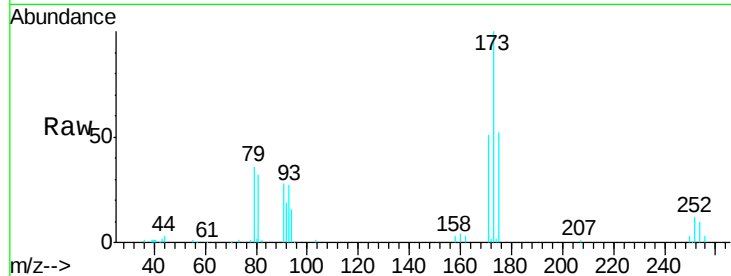
MSVOA_Y

ClientSampleId :

VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.0	0.1	0.1

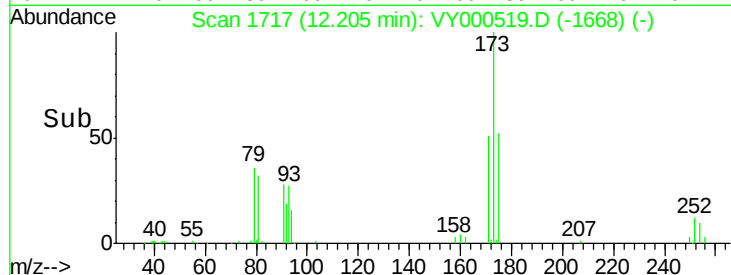
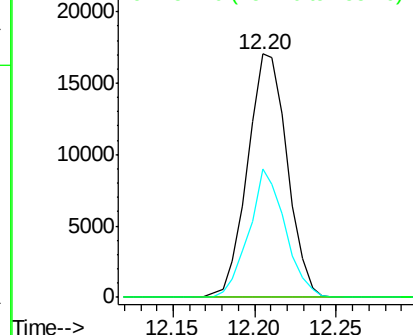
Manual Integrations
APPROVED



Abundance Ion 172.70 (172.40 to 173.40): V

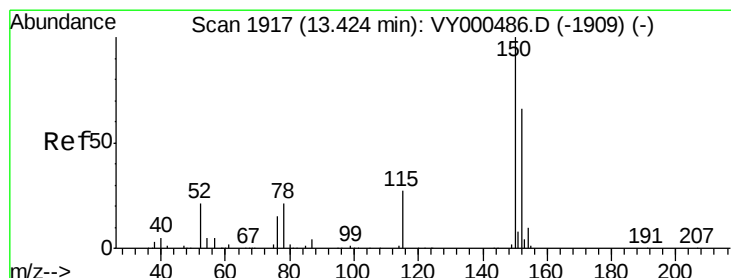
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

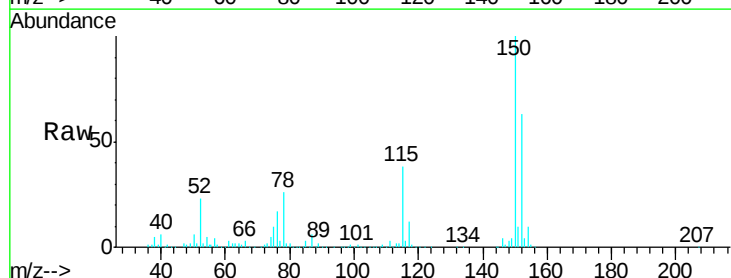
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

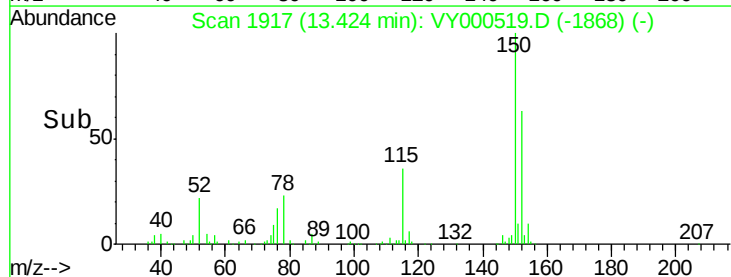
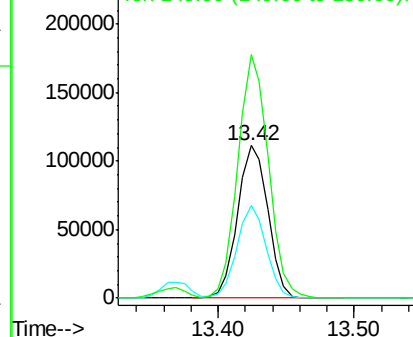
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.1	87.4
150	161.4	0.0	348.8

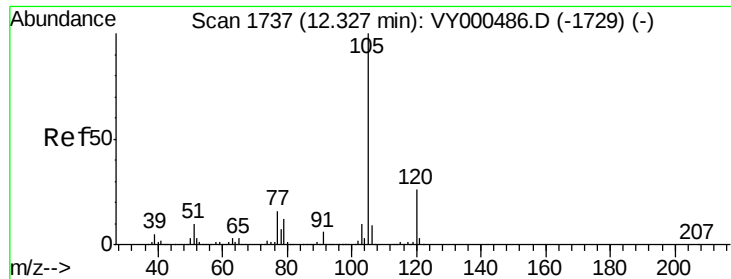


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.460 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBS01

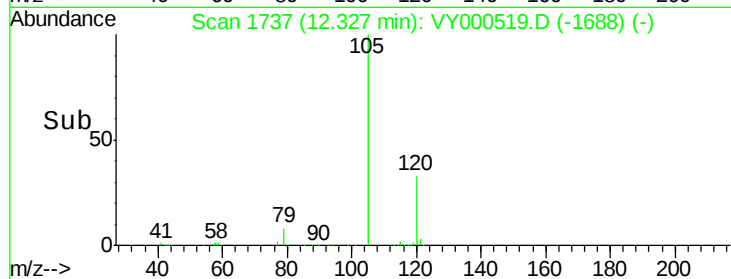
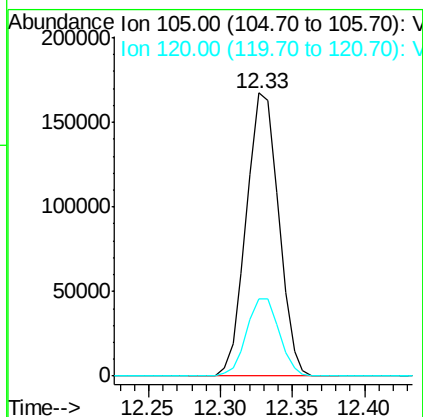
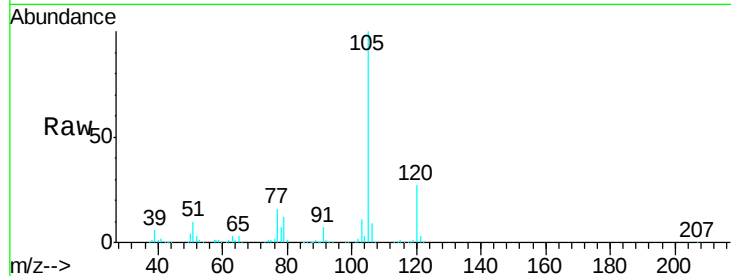
Tgt Ion: 105 Resp: 260854

Ion Ratio Lower Upper

105 100

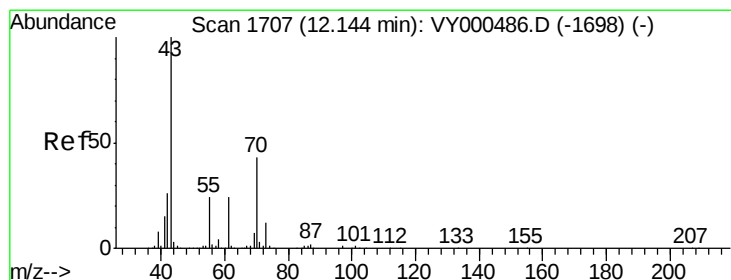
120 27.6 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.596 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Tgt Ion: 43 Resp: 75205

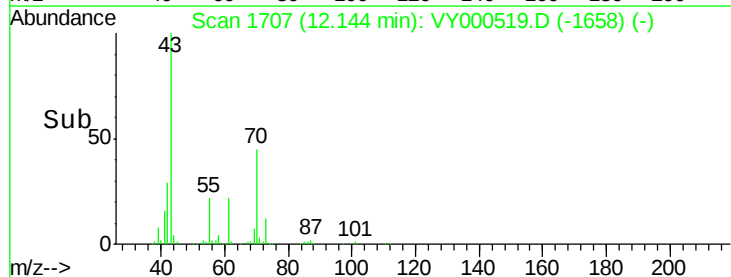
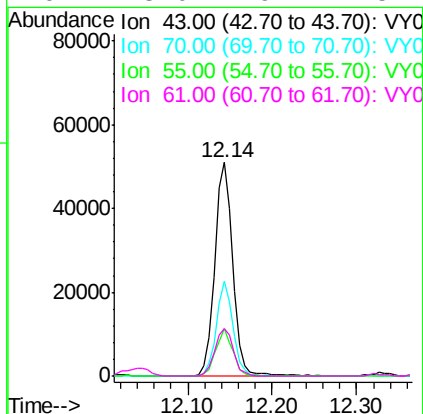
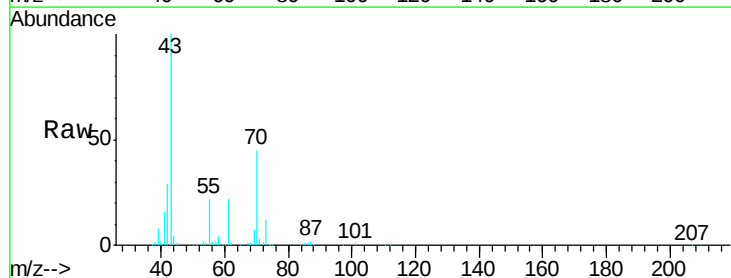
Ion Ratio Lower Upper

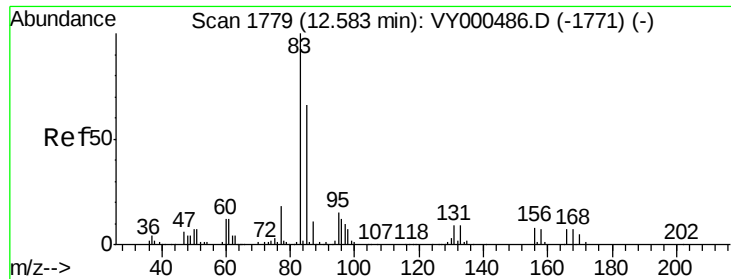
43 100

70 41.2 33.1 49.7

55 20.7 18.0 27.0

61 23.0 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.260 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

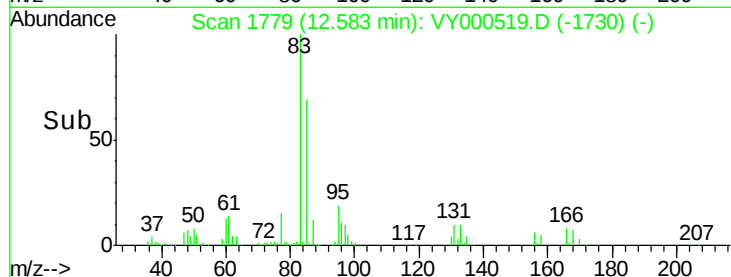
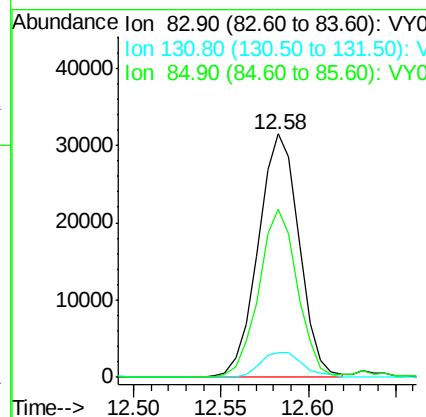
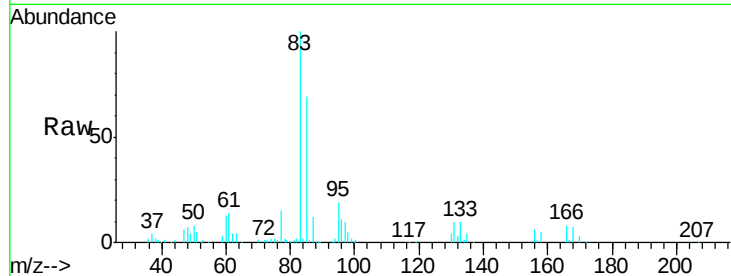
MSVOA_Y

ClientSampleId :

VY1101SBS01

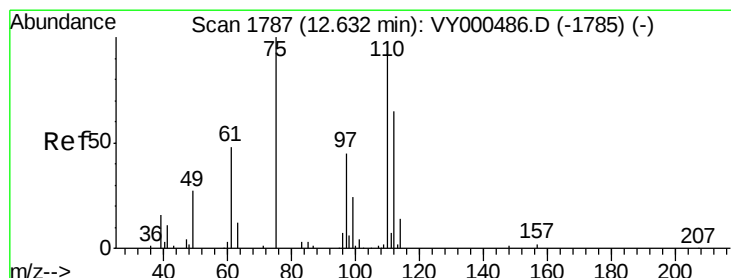
Tgt Ion:	83	Resp:	51143
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	65.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.964 ug/l m

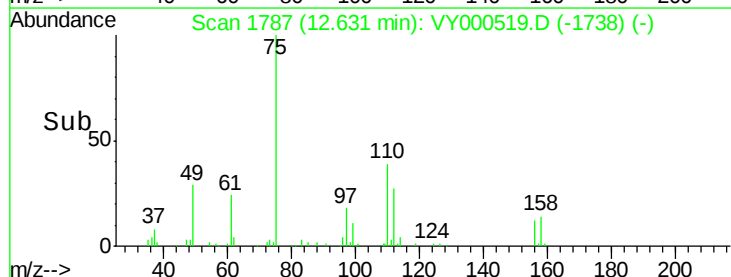
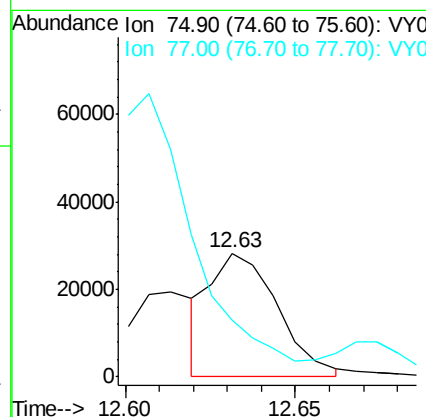
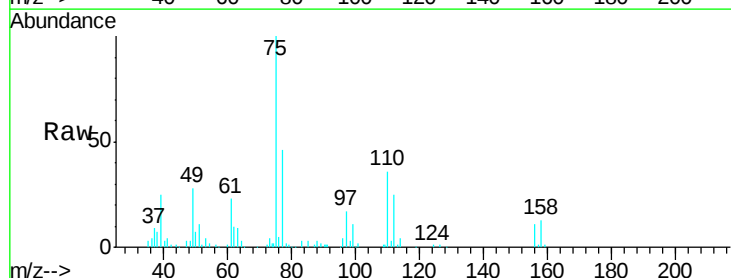
RT: 12.63 min Scan# 1787

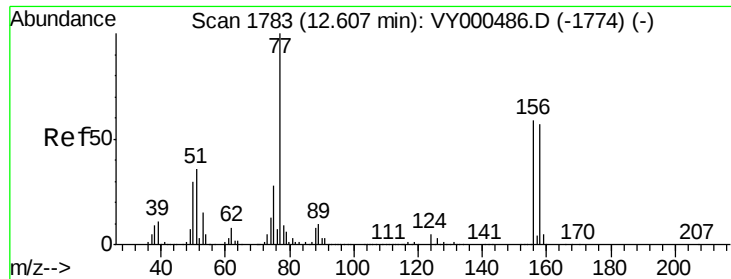
Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Tgt Ion:	75	Resp:	39212
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



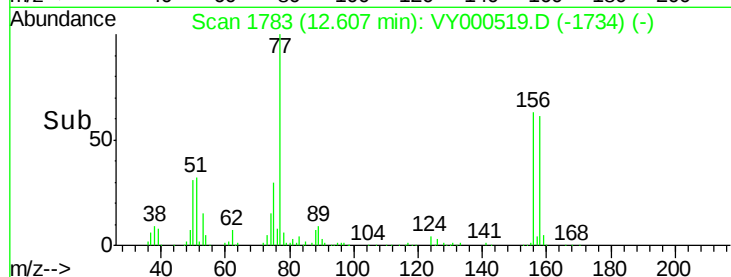
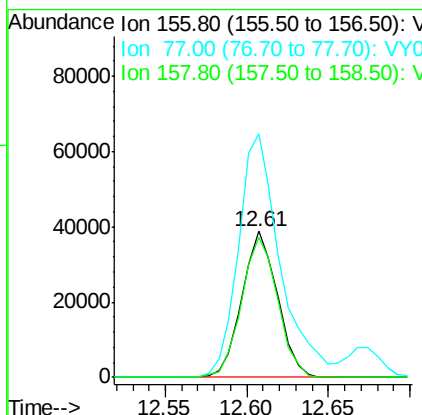
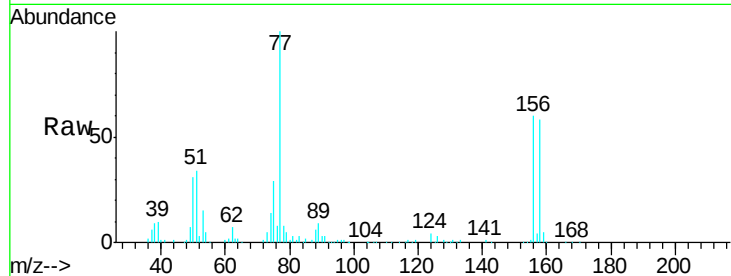


#77
Bromobenzene
Concen: 20.349 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

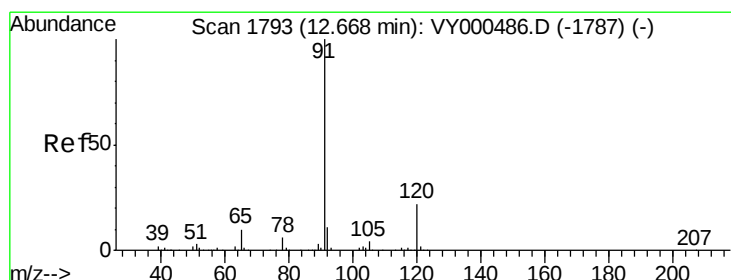
Tgt Ion	Ratio	Lower	Upper
156	100		
77	194.9	98.2	294.4
158	97.4	49.6	149.0

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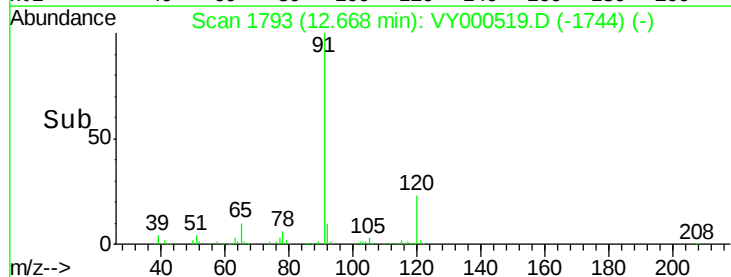
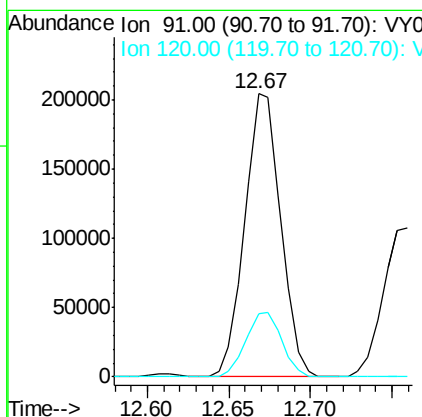
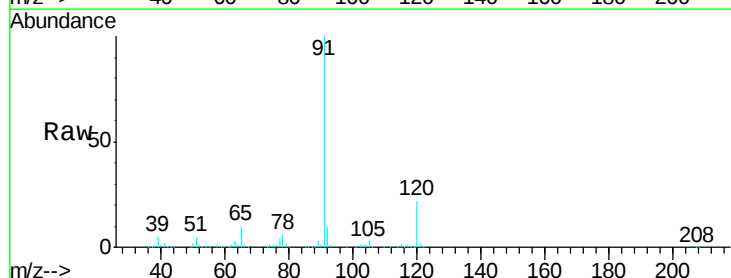
MMDadoda

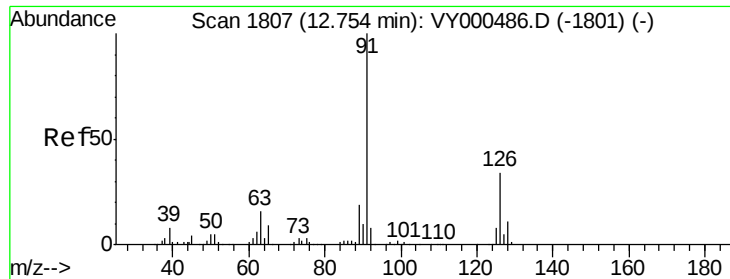
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#78
n-propylbenzene
Concen: 20.415 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.1



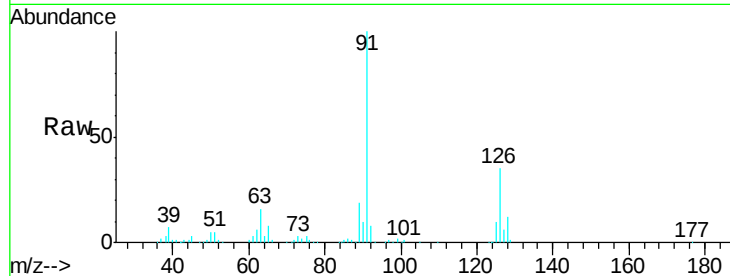


#79
2-Chlorotoluene
Concen: 20.276 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

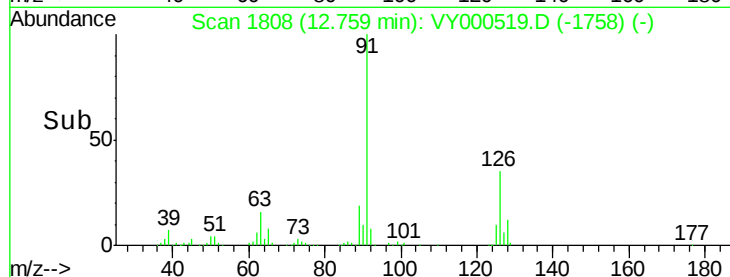
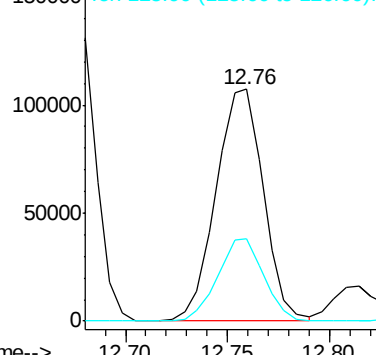
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion: 91 Resp: 173156
Ion Ratio Lower Upper
91 100
126 34.7 17.7 53.1

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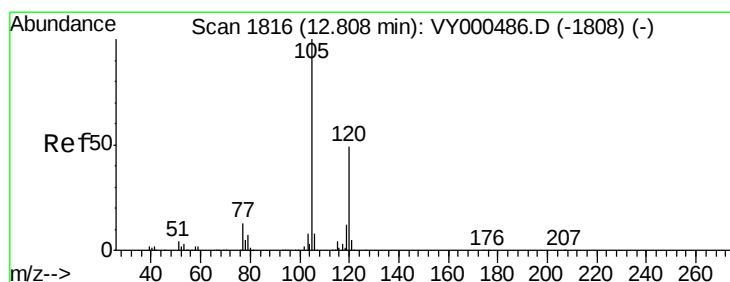


Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1801) (-)
Ion 125.90 (125.60 to 126.60): VY000486.D (-1801) (-)



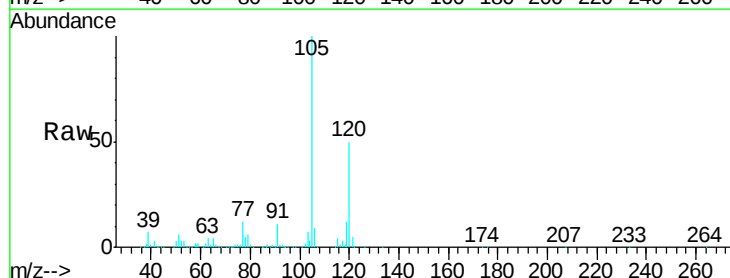
MMDadoda

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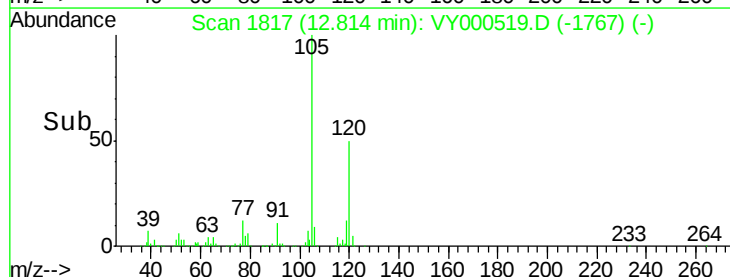
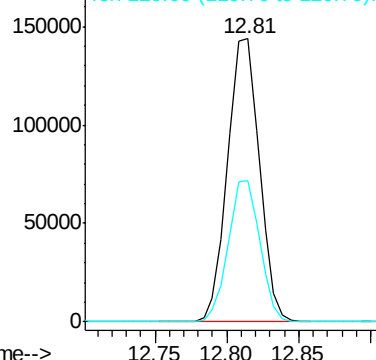


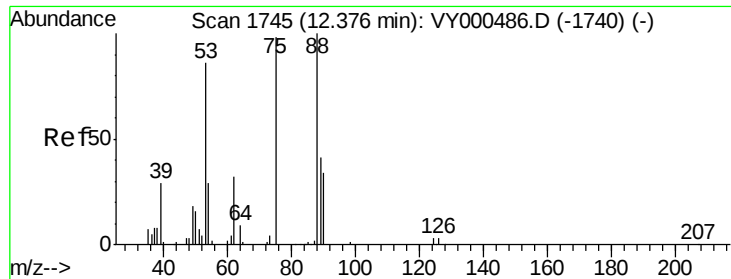
#80
1,3,5-Trimethylbenzene
Concen: 20.710 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion: 105 Resp: 219908
Ion Ratio Lower Upper
105 100
120 49.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)
Ion 120.00 (119.70 to 120.70): VY000486.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.688 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Instrument :

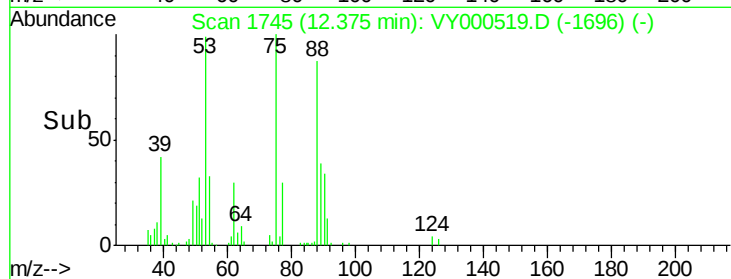
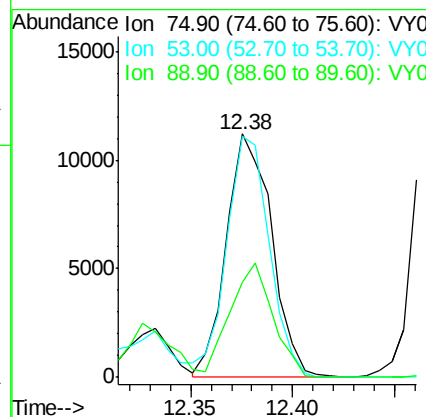
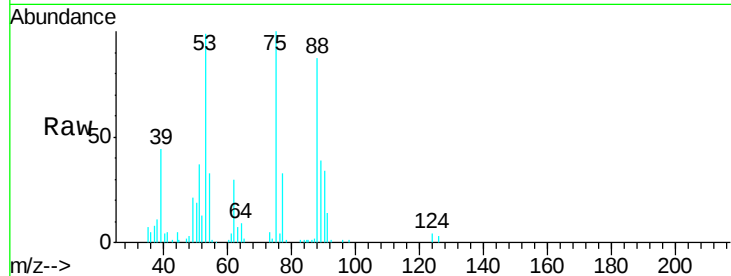
MSVOA_Y

ClientSampleId :

VY1101SBS01

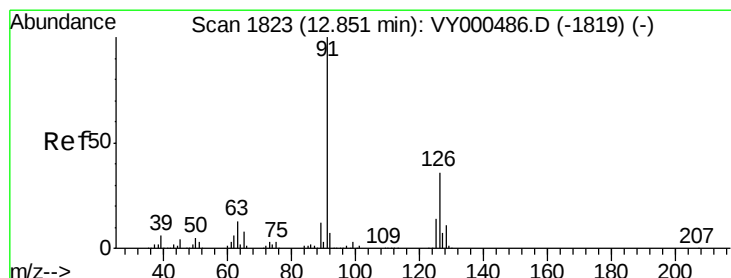
Tgt Ion:	75	Resp:	17247
Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.2	109.8
89	44.1	35.9	53.9

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#82

4-Chlorotoluene

Concen: 20.531 ug/l

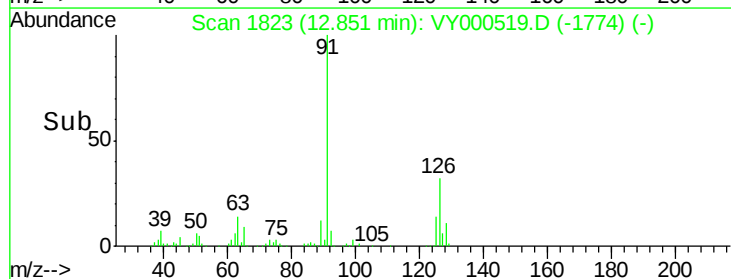
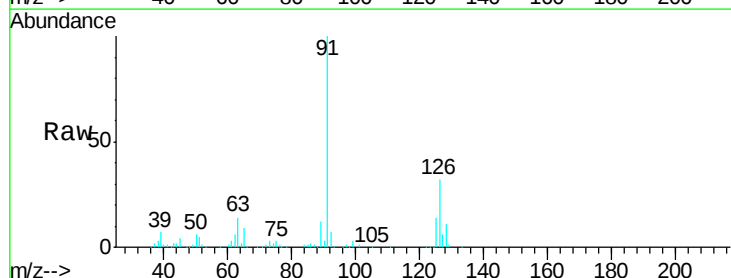
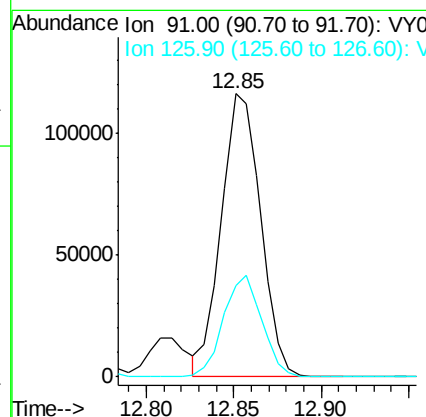
RT: 12.85 min Scan# 1823

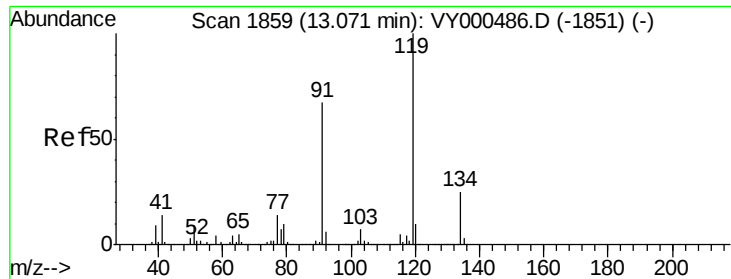
Delta R.T. -0.00 min

Lab File: VY000519.D

Acq: 01 Nov 2019 12:04

Tgt Ion:	91	Resp:	181749
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.9



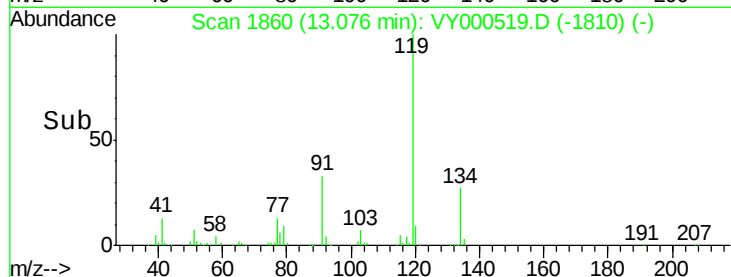
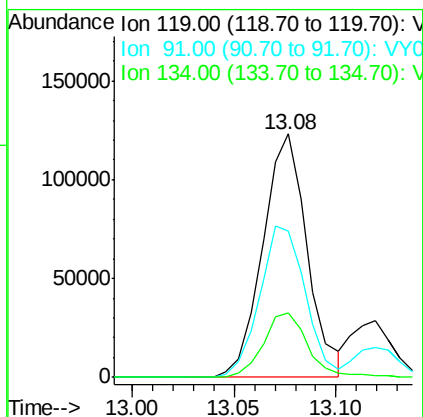
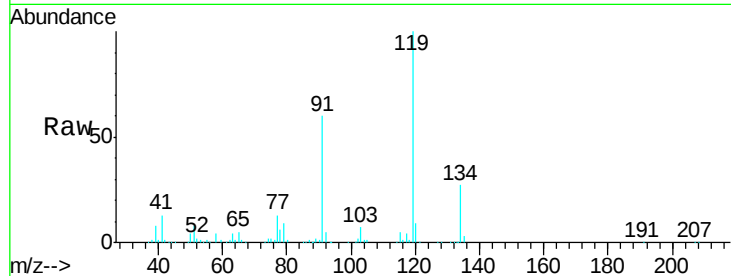


#83
 tert-Butylbenzene
 Concen: 20.610 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

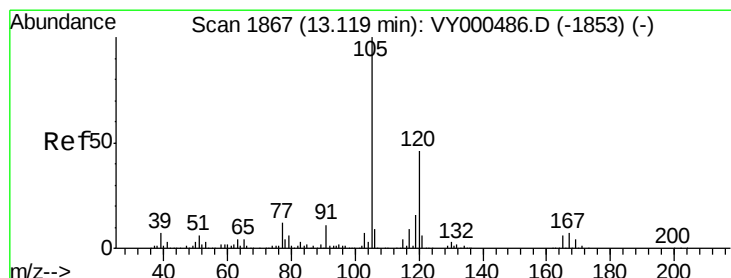
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	186853		
91	63.9	32.1	96.3	
134	27.0	13.2	39.5	

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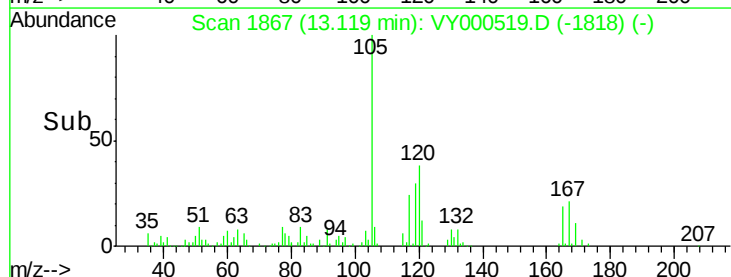
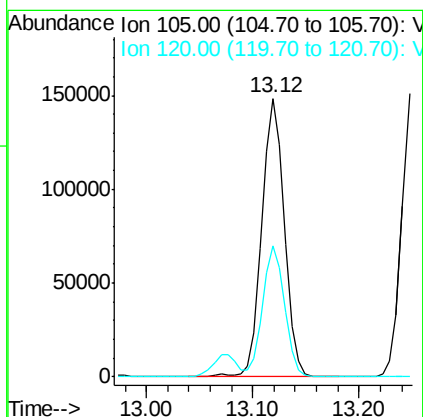
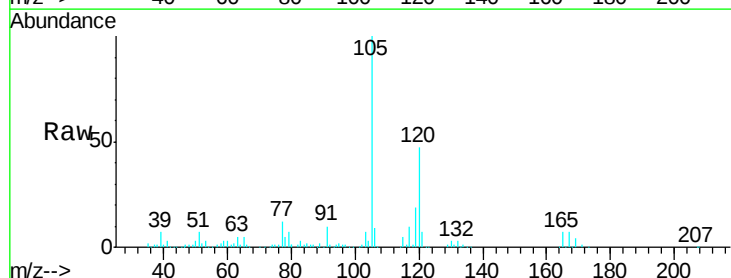
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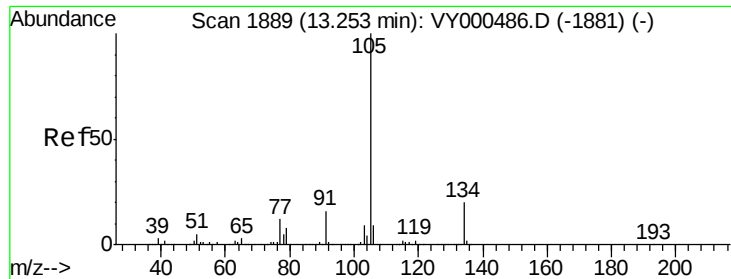
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.914 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221110		
120	45.6	23.3	69.9	



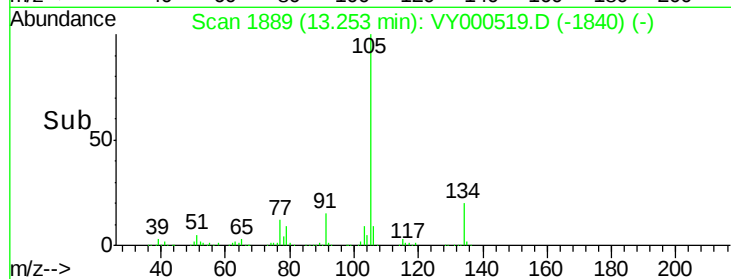
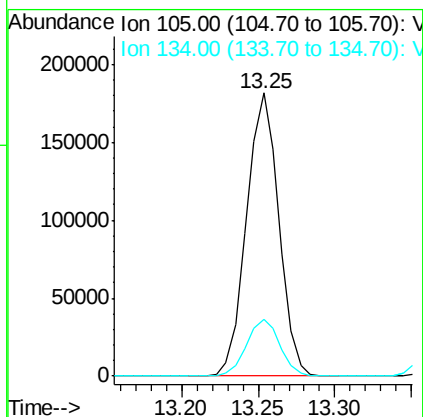
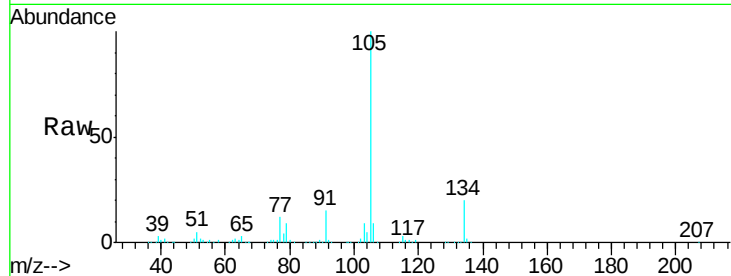


#85
 sec-Butylbenzene
 Concen: 20.640 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

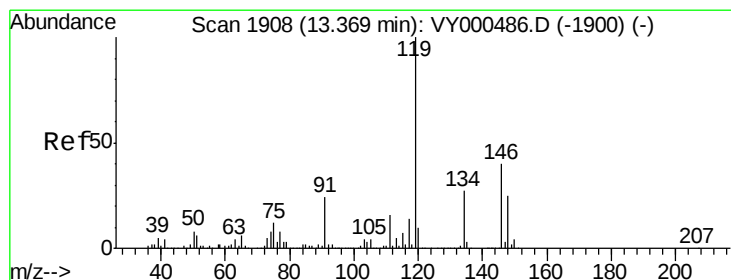
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.1

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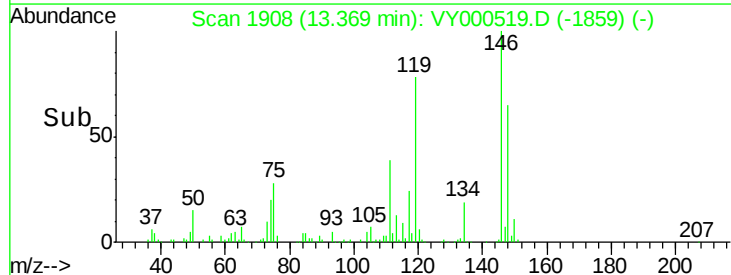
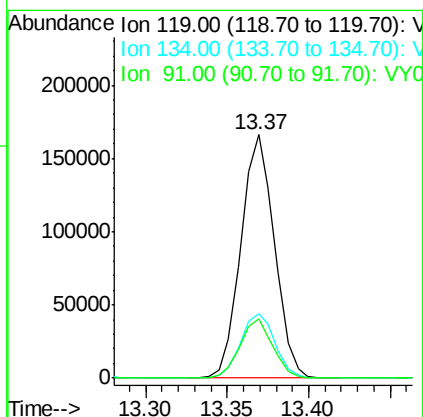
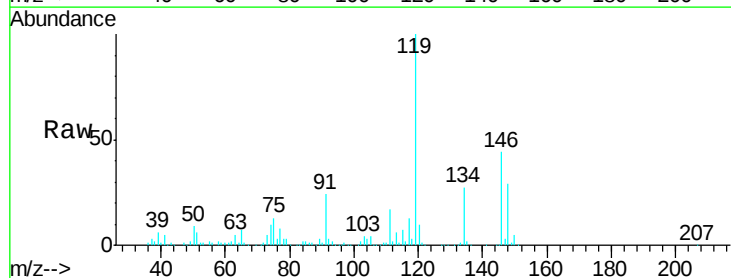
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#86
 p-Isopropyltoluene
 Concen: 20.613 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.6	40.8
91	23.5	12.0	36.1



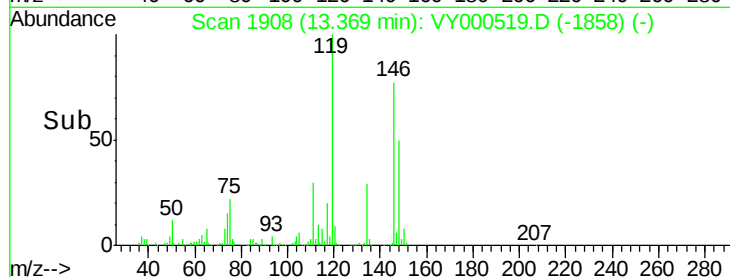
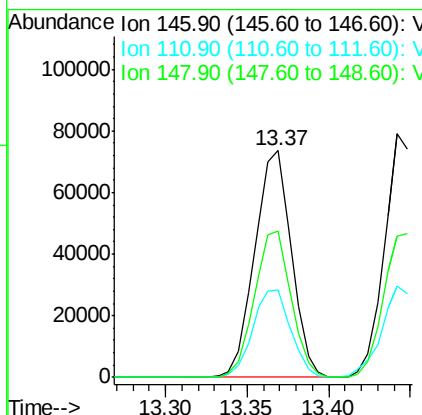
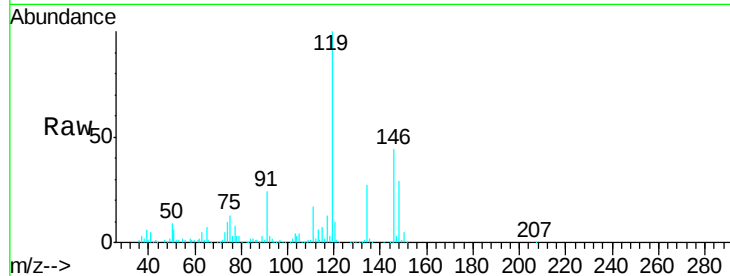


#87
 1,3-Dichlorobenzene
 Concen: 20.258 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

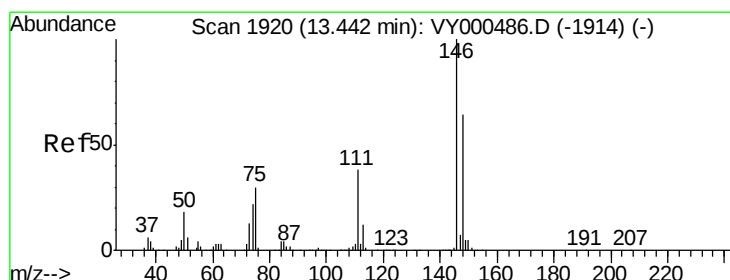
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.5	31.5	94.5

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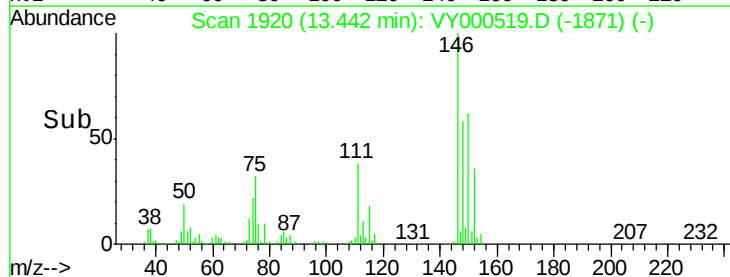
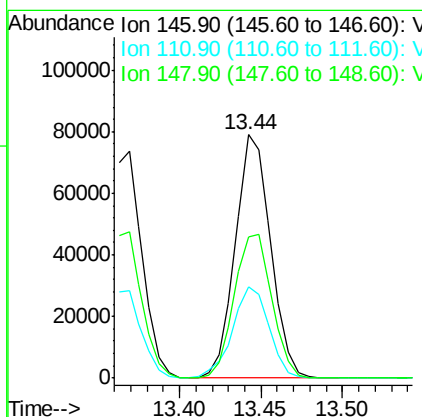
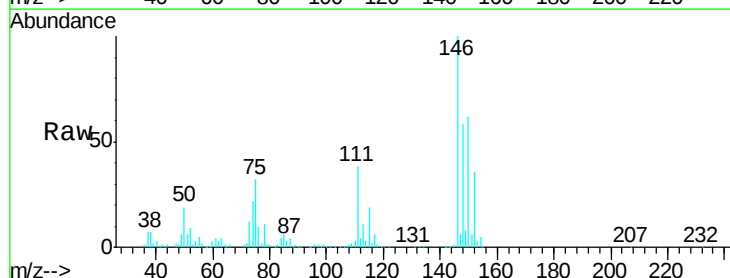
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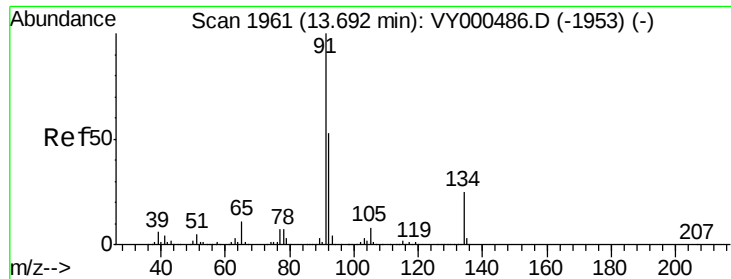
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#88
 1,4-Dichlorobenzene
 Concen: 21.064 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.2	31.9	95.7



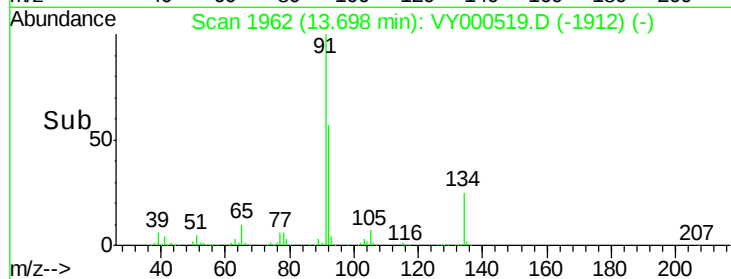
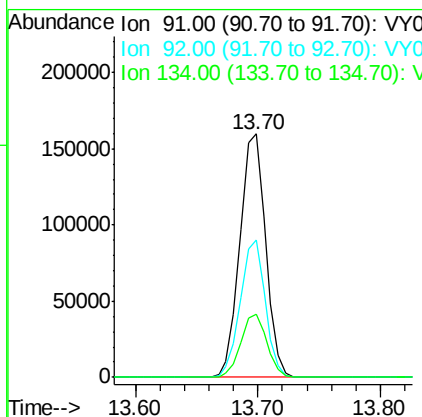
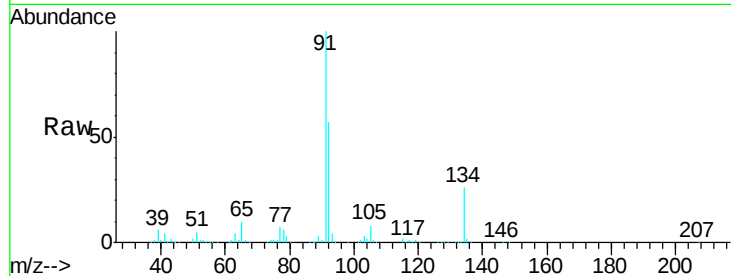


#89
n-Butylbenzene
Concen: 20.468 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

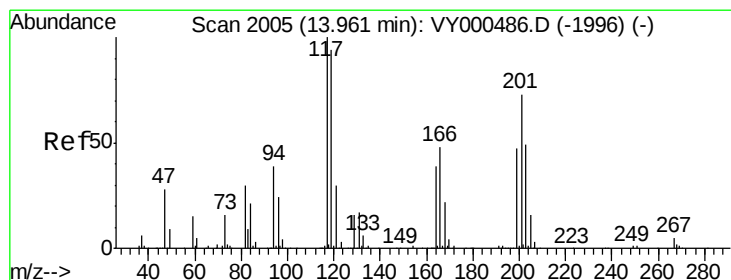
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.8	80.3
134	26.1	12.9	38.7

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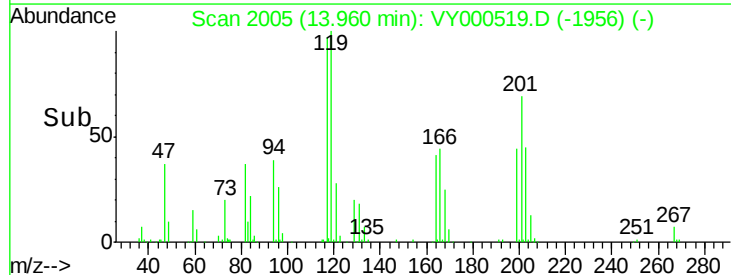
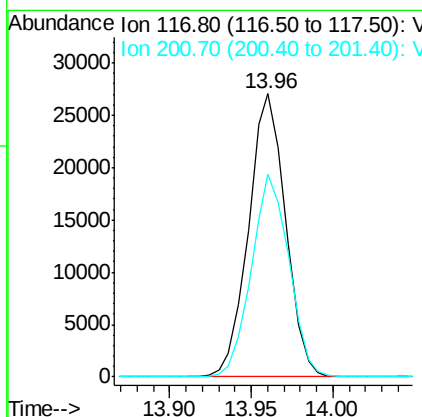
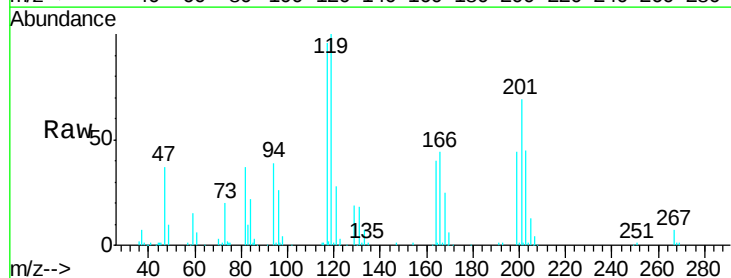
MMDadoda

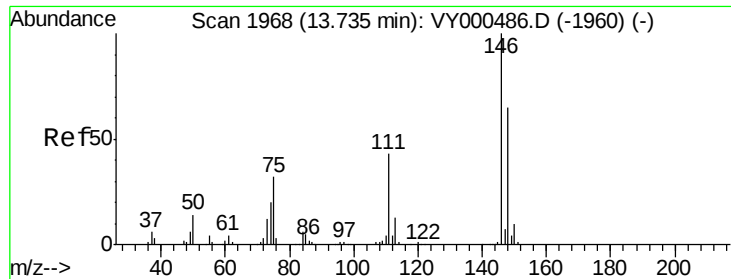
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#90
Hexachloroethane
Concen: 20.083 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	35.8	107.3



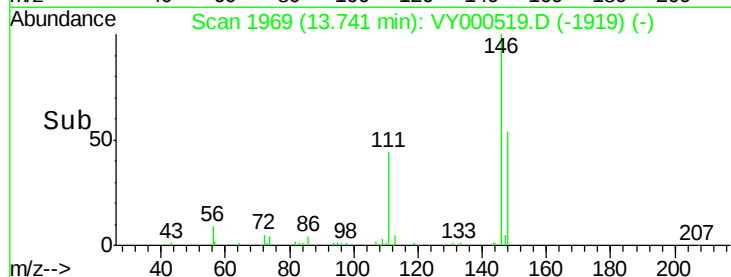
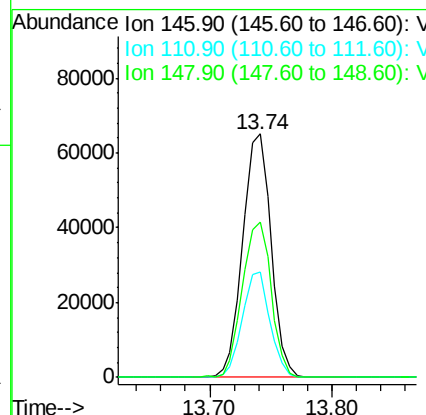
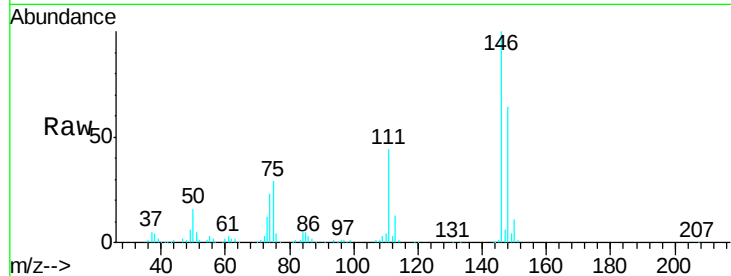


#91
 1,2-Dichlorobenzene
 Concen: 20.380 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBS01

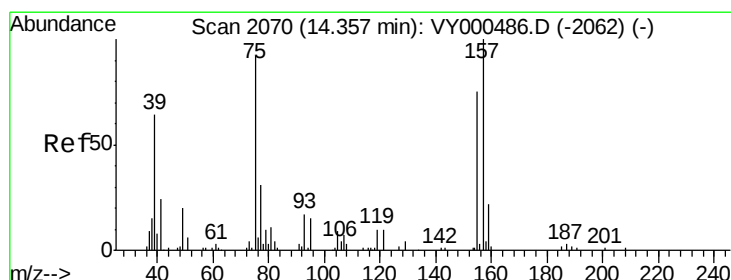
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.5
148	65.1	31.7	95.1

Manual Integrations
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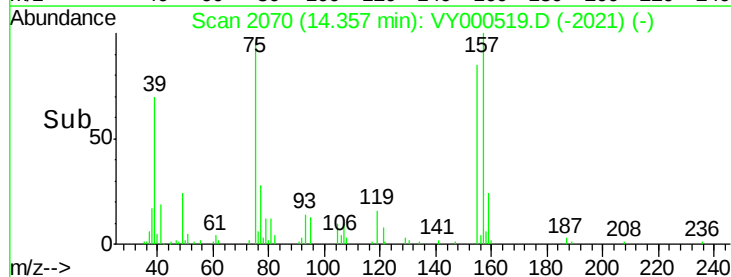
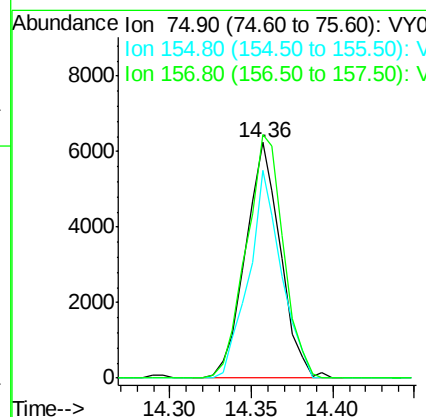
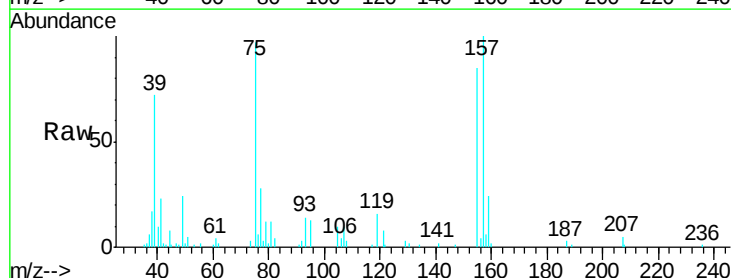
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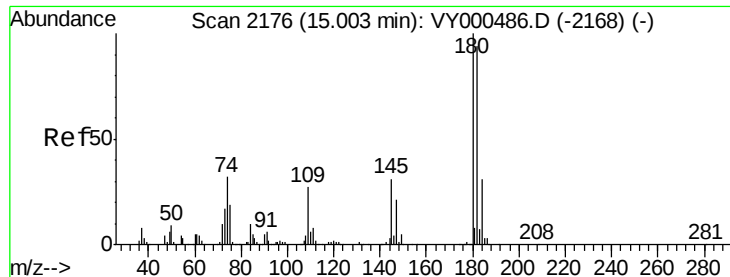
11/4/2019 3:58:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.884 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000519.D
 Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	42.4	127.1
157	109.2	55.1	165.3



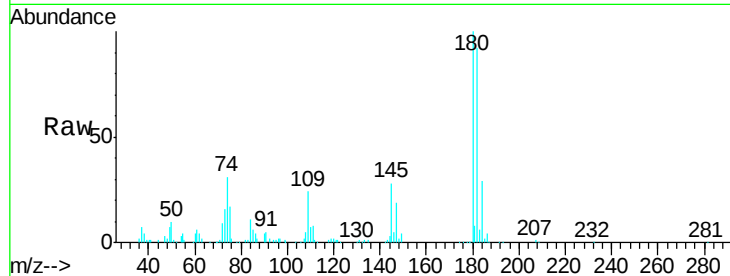


#93
1,2,4-Trichlorobenzene
Concen: 20.764 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

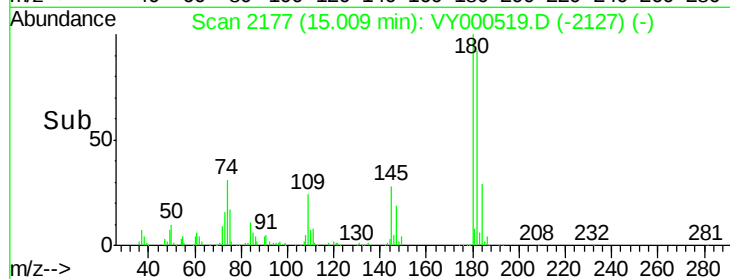
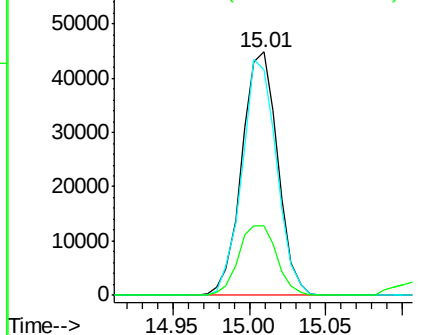
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.4
145	30.8	16.0	47.9

Manual Integrations
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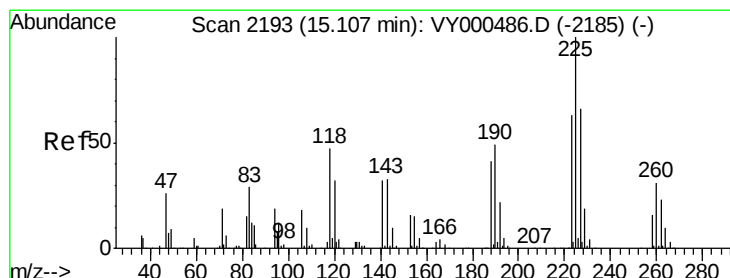


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



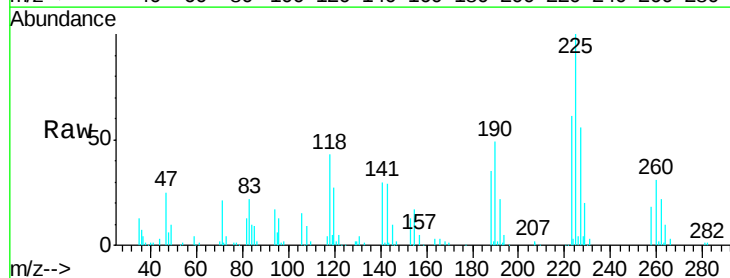
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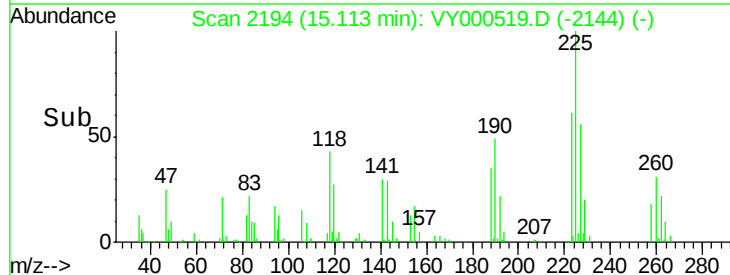
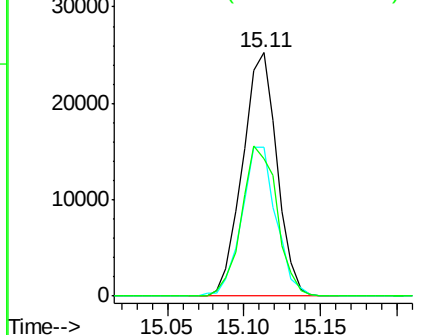


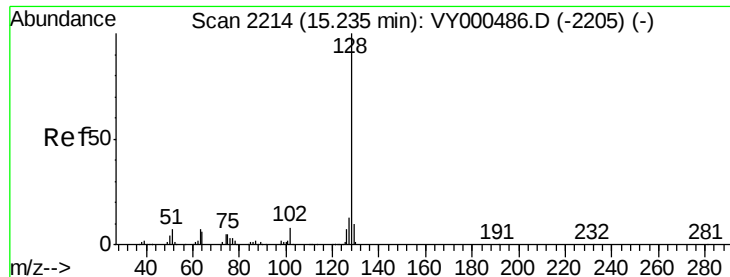
#94
Hexachlorobutadiene
Concen: 21.848 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.8
227	63.3	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



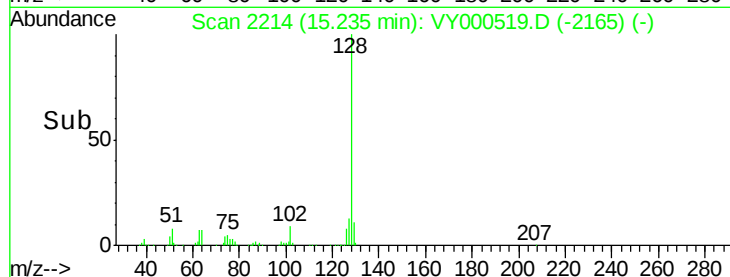
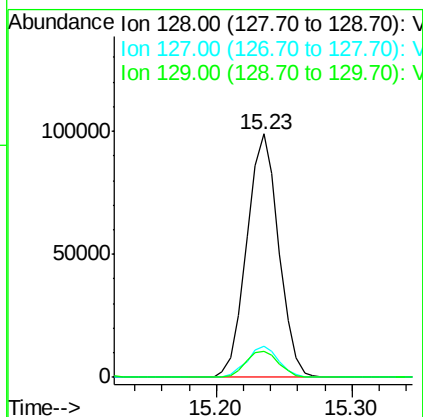
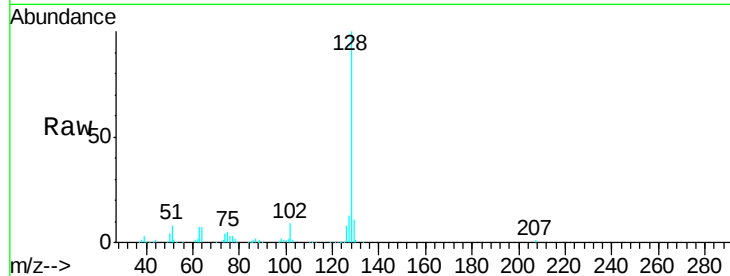


#95
Naphthalene
Concen: 20.950 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBS01

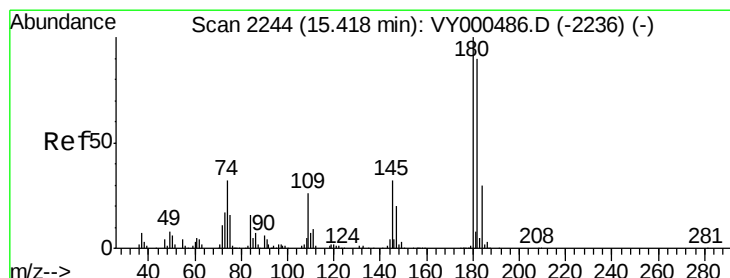
Tgt Ion:	128	Resp:	162701
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.8	14.6
129	11.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.368 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000519.D
Acq: 01 Nov 2019 12:04

Tgt Ion:	180	Resp:	67067
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.3
145	31.6	15.7	47.0

