

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111519\
 Data File : VY000716.D
 Acq On : 15 Nov 2019 20:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:24:05 PM

Quant Time: Nov 16 03:33:48 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	199944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	345646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	320781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	125344	60.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.16%	
35) Dibromofluoromethane	7.72	113	106511	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	10.18	98	428732	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
62) 4-Bromofluorobenzene	12.48	95	157692	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	102543	52.099	ug/l	97
3) Chloromethane	2.11	50	136292	50.267	ug/l	97
4) Vinyl Chloride	2.25	62	129429	51.405	ug/l	97
5) Bromomethane	2.64	94	102330	67.775	ug/l	95
6) Chloroethane	2.79	64	85705	54.388	ug/l	98
7) Trichlorofluoromethane	3.13	101	188650	55.481	ug/l	98
8) Diethyl Ether	3.53	74	66683	55.192	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	113832	55.374	ug/l	94
10) Methyl Iodide	4.09	142	105275	39.616	ug/l	99
11) Tert butyl alcohol	4.97	59	57341	284.684	ug/l	98
12) 1,1-Dichloroethene	3.87	96	110411	55.282	ug/l	96
13) Acrolein	3.73	56	37673	214.725	ug/l	97
14) Allyl chloride	4.48	41	193129	59.468	ug/l	99
15) Acrylonitrile	5.17	53	186407	301.179	ug/l	99
16) Acetone	3.95	43	134412	235.693	ug/l	96
17) Carbon Disulfide	4.19	76	330488	52.465	ug/l	98
18) Methyl Acetate	4.48	43	107895	60.847	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	325032	58.532	ug/l	95
20) Methylene Chloride	4.72	84	130364	53.349	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	125738	55.688	ug/l	94
22) Diisopropyl ether	6.13	45	430388	60.972	ug/l	97
23) Vinyl Acetate	6.07	43	1352748	303.587	ug/l	99
24) 1,1-Dichloroethane	6.03	63	220605	57.689	ug/l	98
25) 2-Butanone	7.00	43	248120	272.618	ug/l	97
26) 2,2-Dichloropropane	6.99	77	183613	52.541	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	143905	58.286	ug/l	98
28) Bromochloromethane	7.34	49	99840	56.654	ug/l	93
29) Tetrahydrofuran	7.36	42	170152	305.596	ug/l	99
30) Chloroform	7.52	83	233453	60.348	ug/l	95
31) Cyclohexane	7.79	56	206135	51.466	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	194543	56.428	ug/l	98
36) 1,1-Dichloropropene	7.93	75	175353	53.665	ug/l	99
37) Ethyl Acetate	7.08	43	109380	56.383	ug/l	99
38) Carbon Tetrachloride	7.91	117	171094	54.417	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	221708	52.519	ug/l	94
40) Benzene	8.17	78	529981	55.323	ug/l	99
41) Methacrylonitrile	7.33	41	64470m	59.571	ug/l	
42) 1,2-Dichloroethane	8.25	62	162012	59.627	ug/l	99
43) Isopropyl Acetate	8.28	43	213325	58.538	ug/l	97
44) Trichloroethene	8.94	130	138645	54.891	ug/l	90
45) 1,2-Dichloropropane	9.22	63	133431	56.592	ug/l	95
46) Dibromomethane	9.31	93	74370	57.354	ug/l	99
47) Bromodichloromethane	9.50	83	180829	58.773	ug/l	99
48) Methyl methacrylate	9.30	41	96372	60.525	ug/l	96
49) 1,4-Dioxane	9.30	88	21868	1253.085	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	580630	299.672	ug/l	99
52) Toluene	10.24	92	336285	55.523	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	192908	58.679	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	214845	57.046	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	107752	57.453	ug/l	94
56) Ethyl methacrylate	10.51	69	159754	60.099	ug/l	98
57) 1,3-Dichloropropane	10.79	76	192410	58.617	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	319441	265.815	ug/l	100
59) 2-Hexanone	10.83	43	394459	279.423	ug/l	99
60) Dibromochloromethane	10.99	129	124776	58.083	ug/l	99
61) 1,2-Dibromoethane	11.09	107	104387	57.887	ug/l	97
64) Tetrachloroethene	10.72	164	136877	51.604	ug/l	97
65) Chlorobenzene	11.52	112	354263	54.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	126528	56.095	ug/l	99
67) Ethyl Benzene	11.59	91	663925	55.467	ug/l	100
68) m/p-Xylenes	11.70	106	502451	108.456	ug/l	96
69) o-Xylene	12.03	106	239722	55.058	ug/l	98
70) Styrene	12.04	104	420675	56.424	ug/l	100
71) Bromoform	12.20	173	75180	57.949	ug/l #	97
73) Isopropylbenzene	12.33	105	654156	55.176	ug/l	98
74) N-amyl acetate	12.14	43	195601	57.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	135593	57.762	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	90705m	49.660	ug/l	
77) Bromobenzene	12.61	156	146051	54.324	ug/l	97
78) n-propylbenzene	12.67	91	782772	54.720	ug/l	100
79) 2-Chlorotoluene	12.75	91	446384	56.209	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	545394	55.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45775	56.191	ug/l	97
82) 4-Chlorotoluene	12.85	91	460580	55.950	ug/l	100
83) tert-Butylbenzene	13.07	119	454816	53.947	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	555828	56.537	ug/l	98
85) sec-Butylbenzene	13.25	105	674212	56.130	ug/l	99
86) p-Isopropyltoluene	13.36	119	592292	55.327	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	285788	54.270	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	286066	54.363	ug/l	99
89) n-Butylbenzene	13.69	91	581967	55.118	ug/l	99
90) Hexachloroethane	13.95	117	110941	56.057	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	267321	55.950	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	23150	55.723	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	171741	52.791	ug/l	98
94) Hexachlorobutadiene	15.11	225	86616	51.650	ug/l	99
95) Naphthalene	15.23	128	386351	53.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	156344	53.567	ug/l	98

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

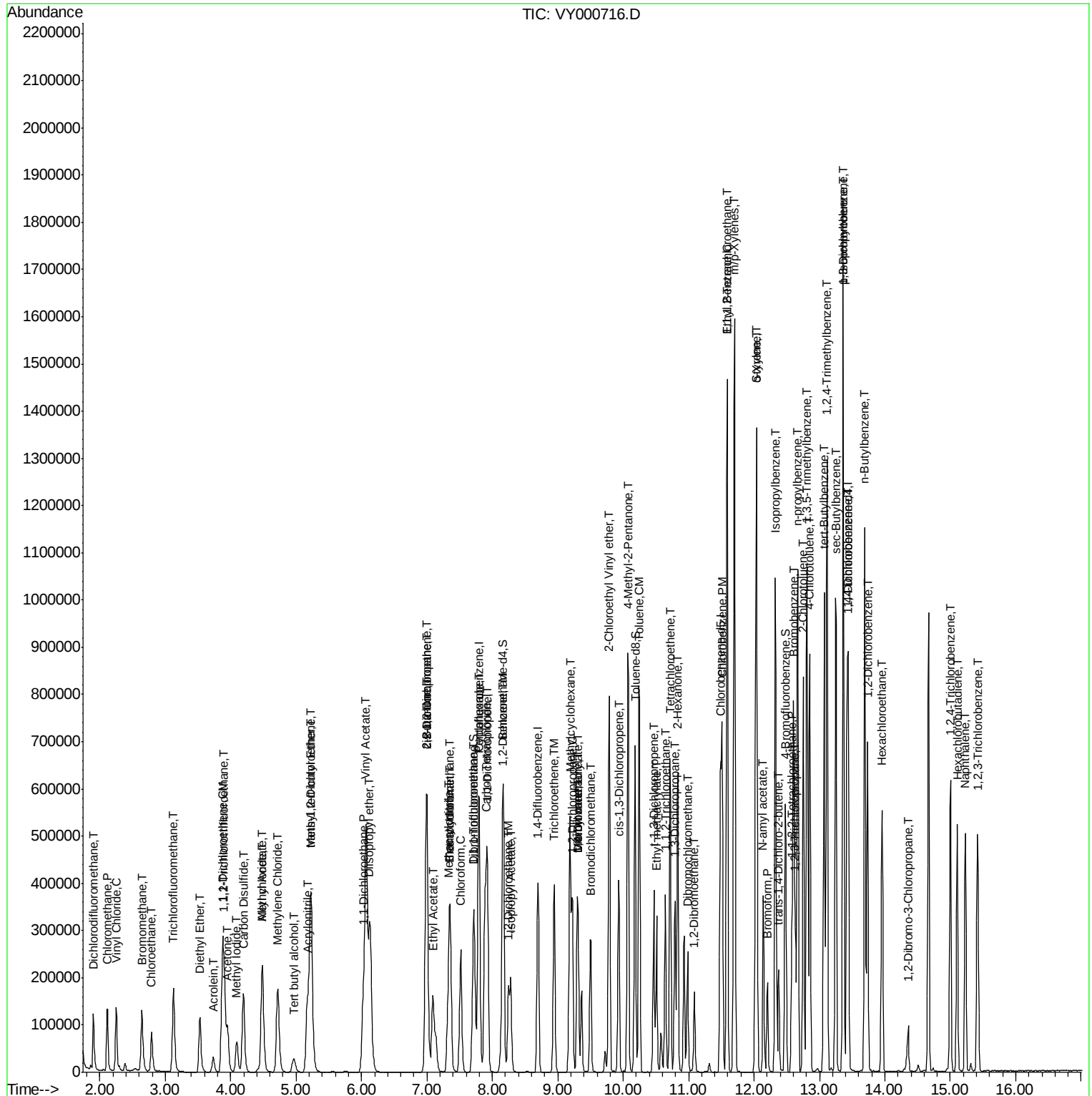
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Data File : VY000716.D
Acq On : 15 Nov 2019 20:46
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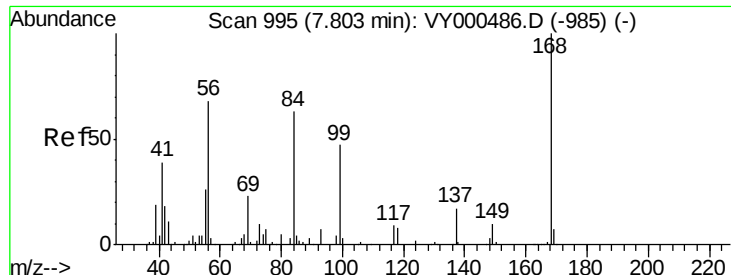
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 199944

Ion Ratio Lower Upper

168 100

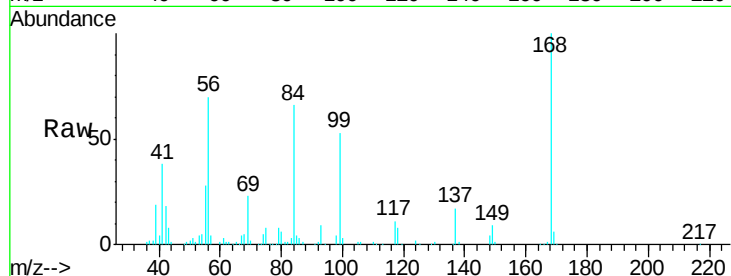
99 53.1 45.7 68.5

Manual Integrations

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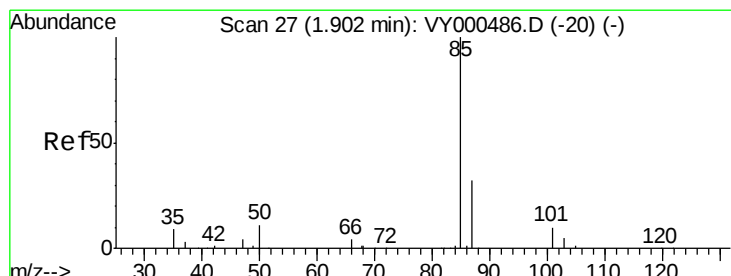
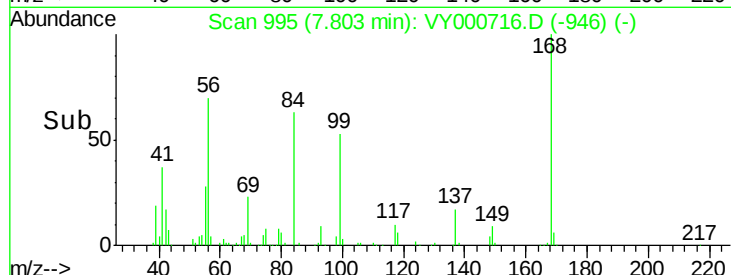
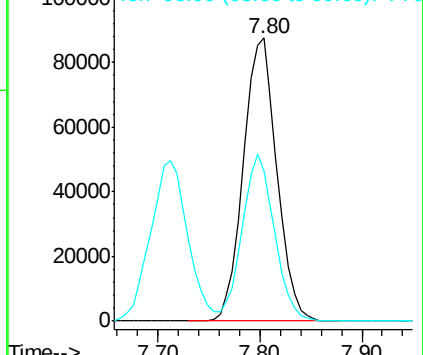
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VY000716.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000716.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 52.099 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000716.D

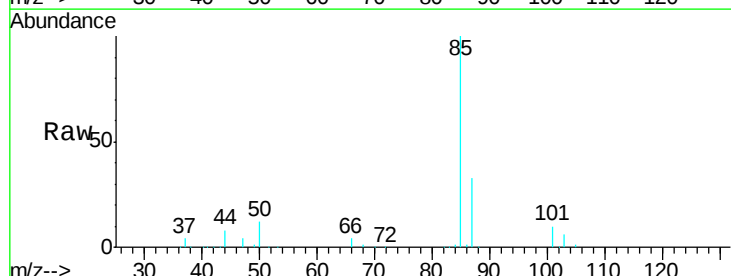
Acq: 15 Nov 2019 20:46

Tgt Ion: 85 Resp: 102543

Ion Ratio Lower Upper

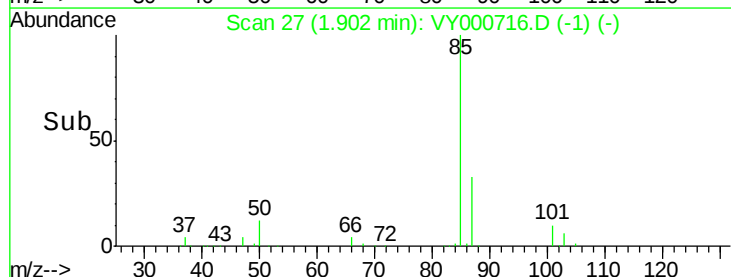
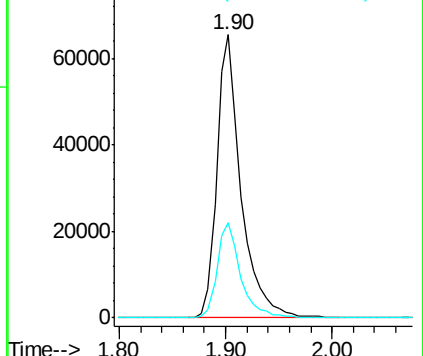
85 100

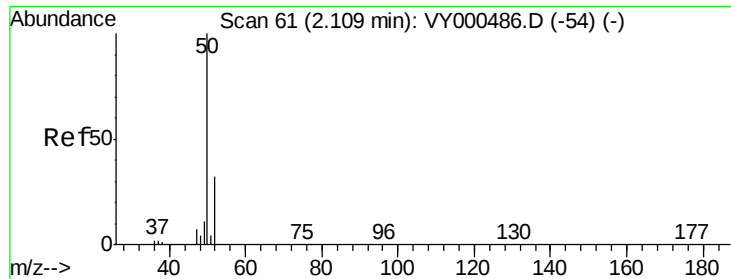
87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000716.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000716.D (-1) (-)





#3

Chloromethane

Concen: 50.267 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 136292

Ion Ratio Lower Upper

50 100

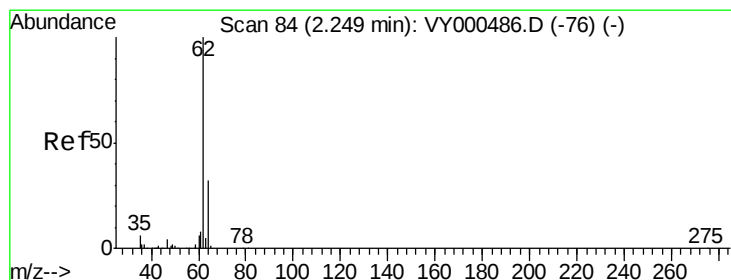
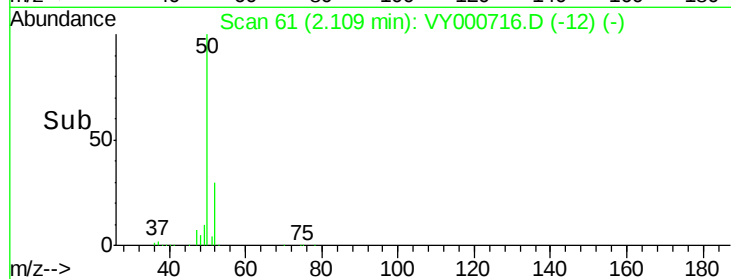
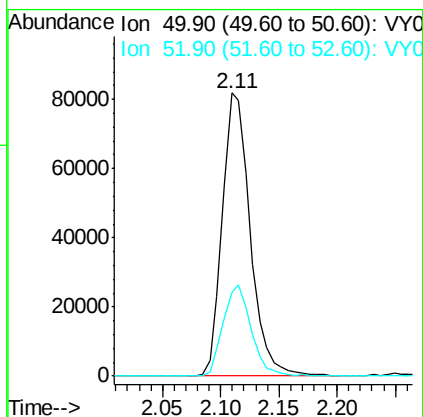
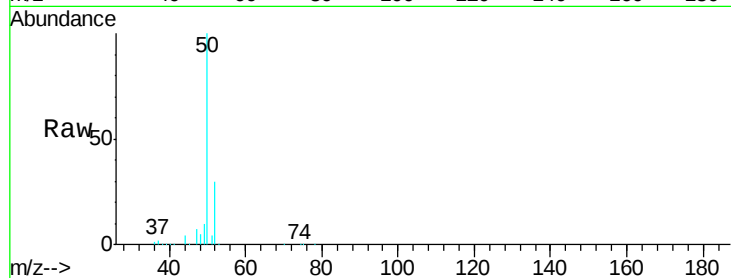
52 29.8 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.405 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000716.D

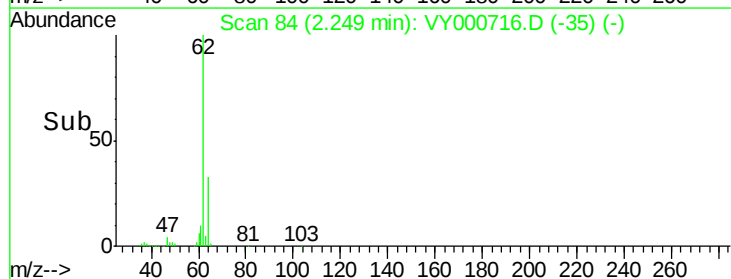
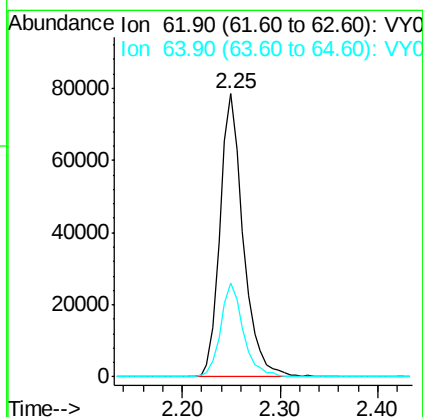
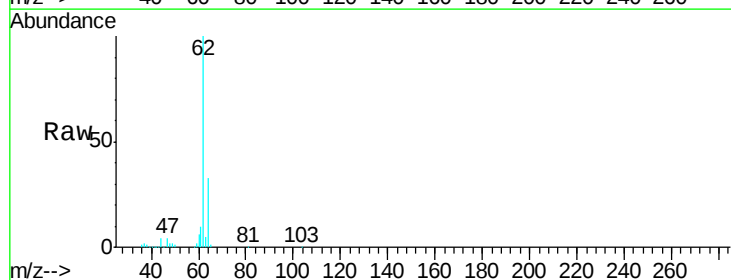
Acq: 15 Nov 2019 20:46

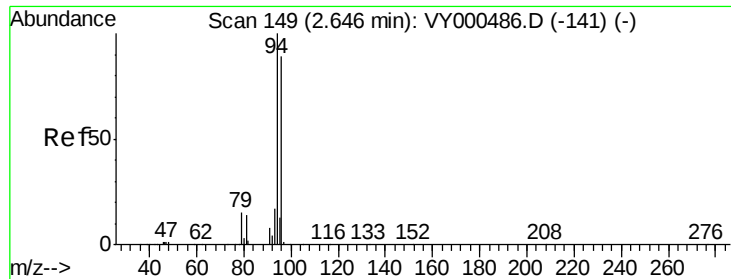
Tgt Ion: 62 Resp: 129429

Ion Ratio Lower Upper

62 100

64 33.3 25.2 37.8





#5

Bromomethane

Concen: 67.775 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 102330

Ion Ratio Lower Upper

94 100

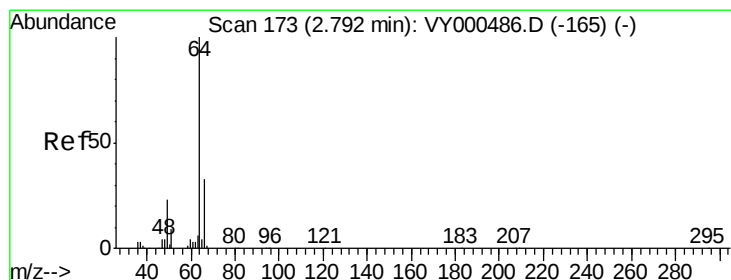
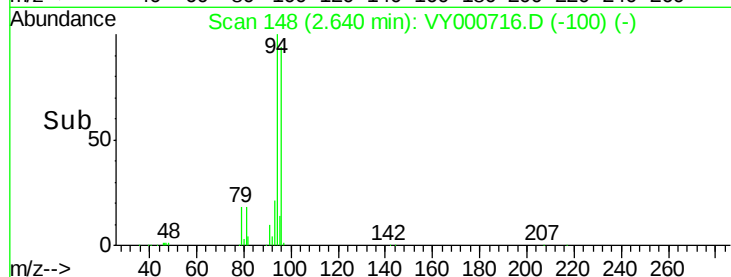
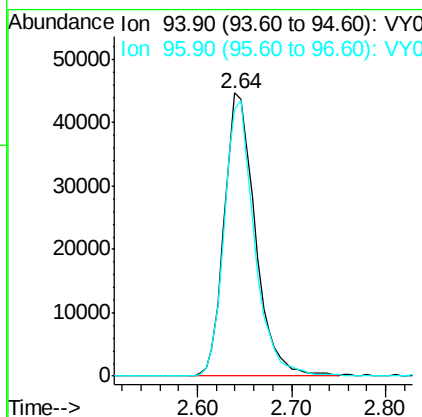
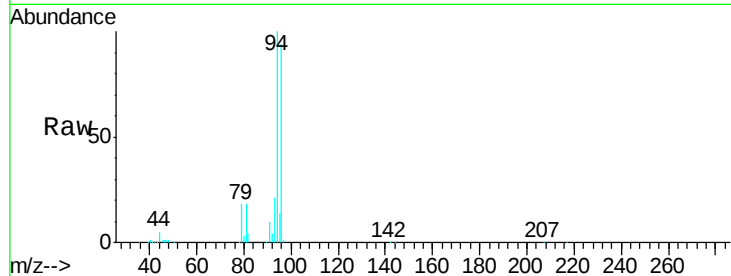
96 94.1 71.2 106.8

Manual Integrations

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#6

Chloroethane

Concen: 54.388 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000716.D

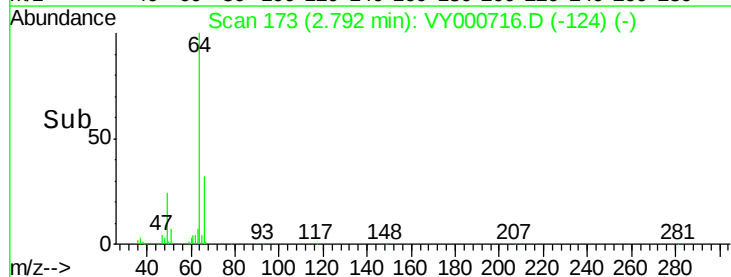
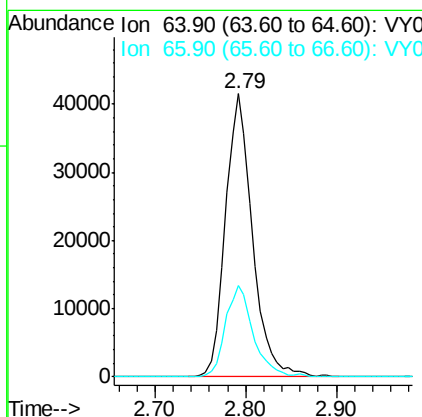
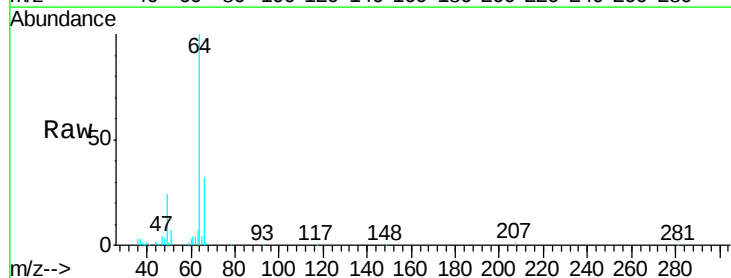
Acq: 15 Nov 2019 20:46

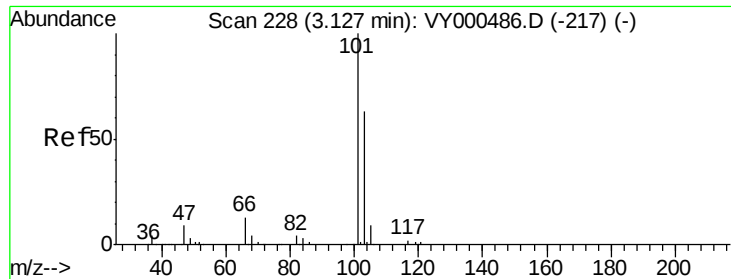
Tgt Ion: 64 Resp: 85705

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0





#7

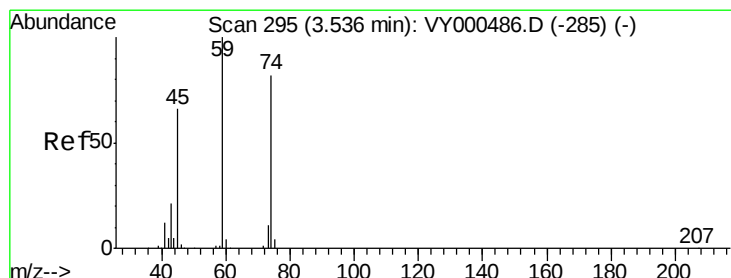
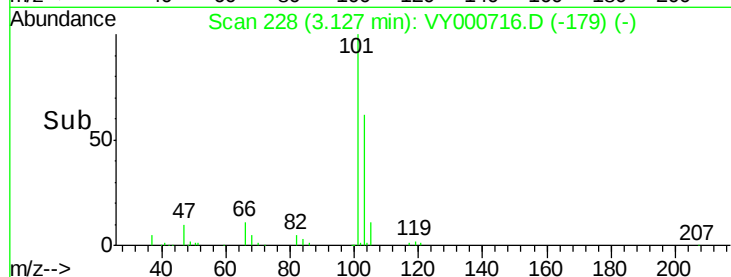
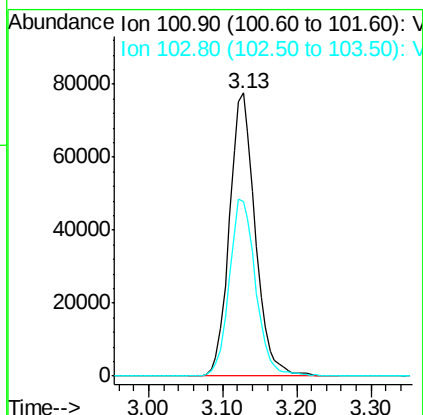
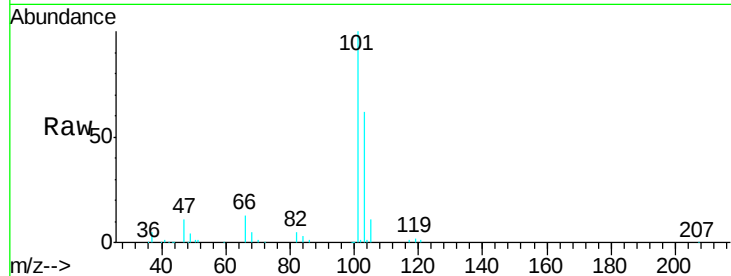
Trichlorofluoromethane
 Concen: 55.481 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	188650		
103	61.7	50.5	75.7	

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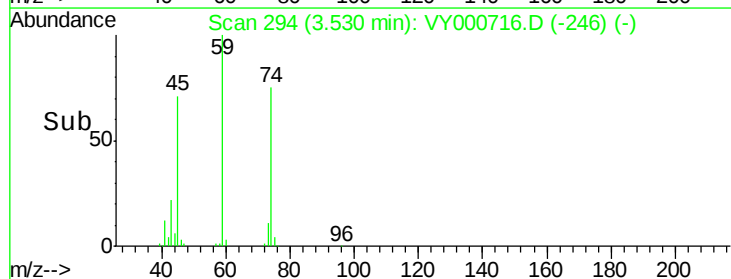
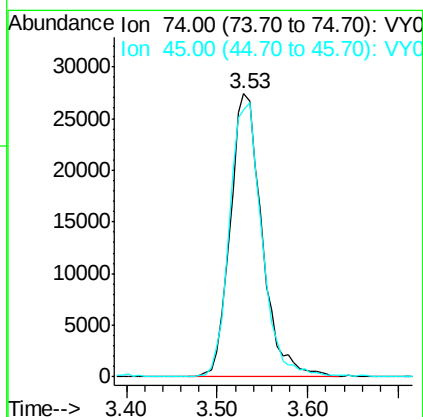
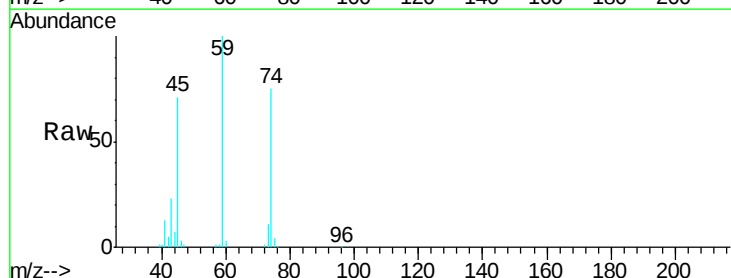
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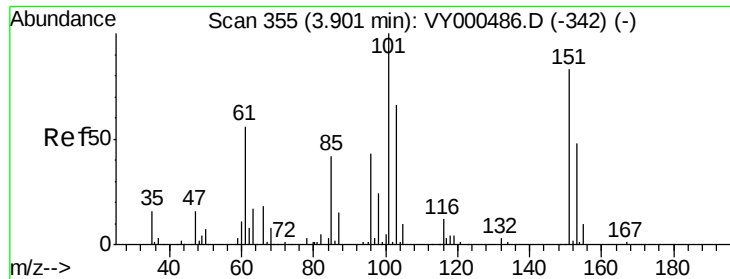


#8

Diethyl Ether
 Concen: 55.192 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66683		
45	98.7	45.5	136.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.374 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

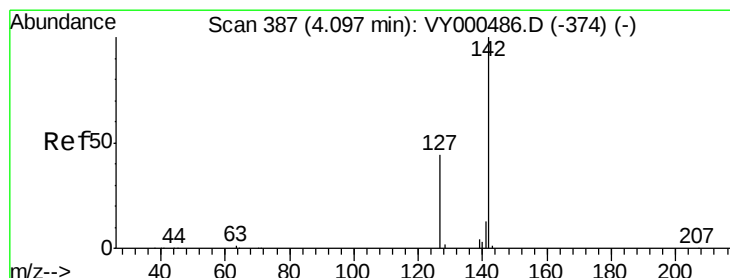
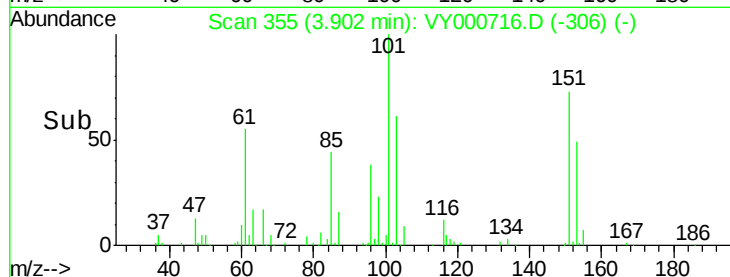
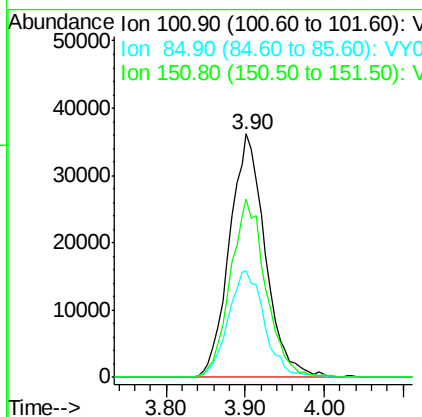
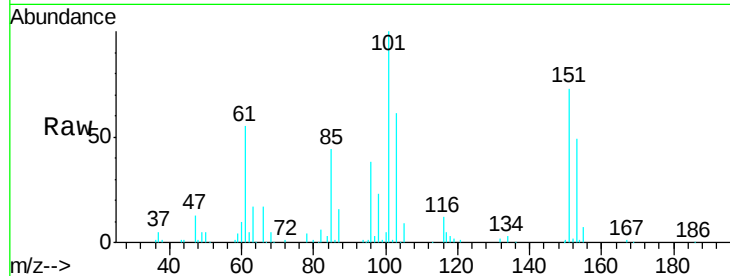
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	113832
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.7	55.1
151	72.9	64.3	96.5

Manual Integrations
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#10

Methyl Iodide

Concen: 39.616 ug/l

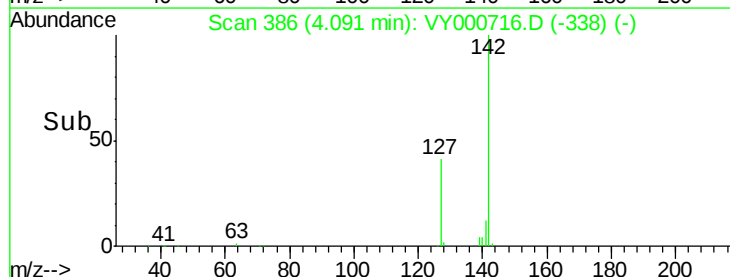
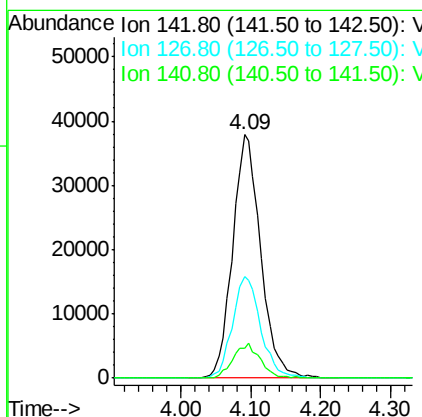
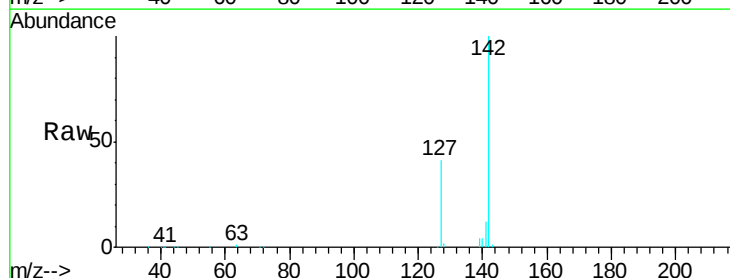
RT: 4.09 min Scan# 386

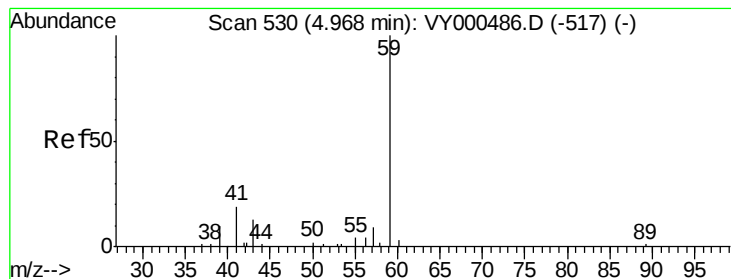
Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion:	142	Resp:	105275
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.7	50.5
141	13.7	10.9	16.3





#11

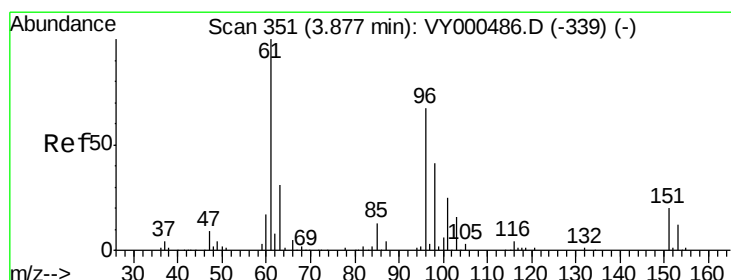
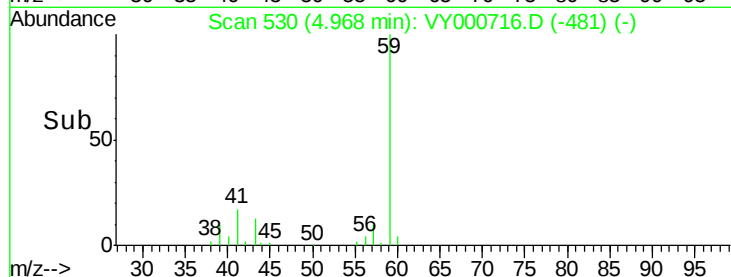
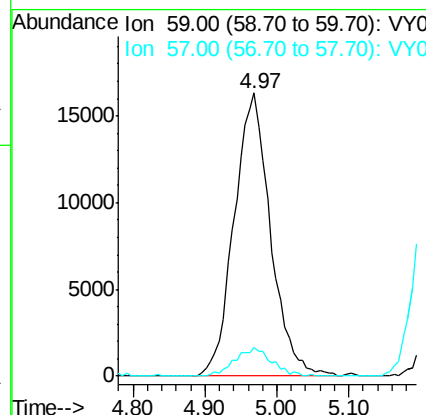
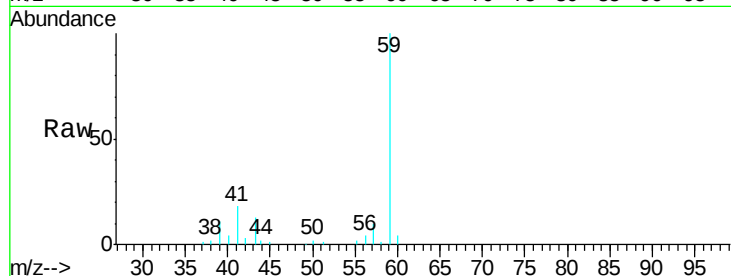
Tert butyl alcohol
Concen: 284.684 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

Manual Integrations
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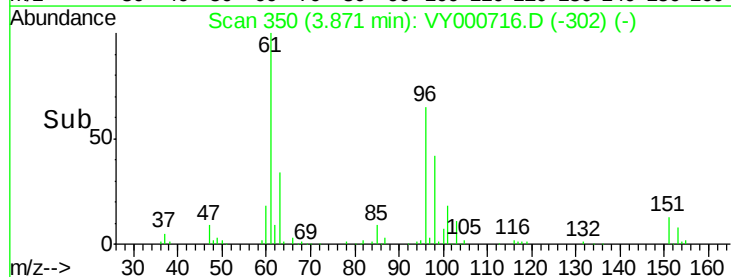
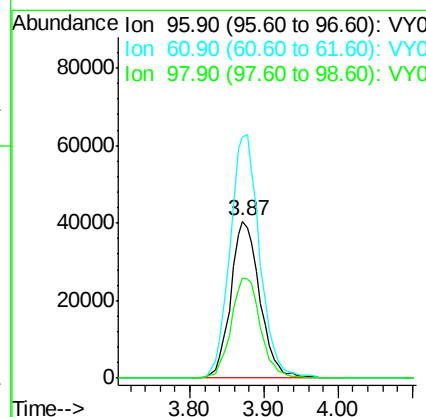
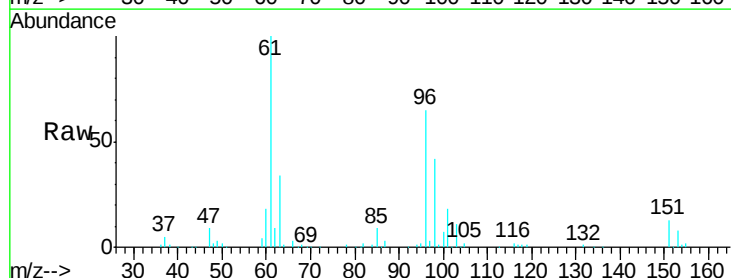
MMDadoda
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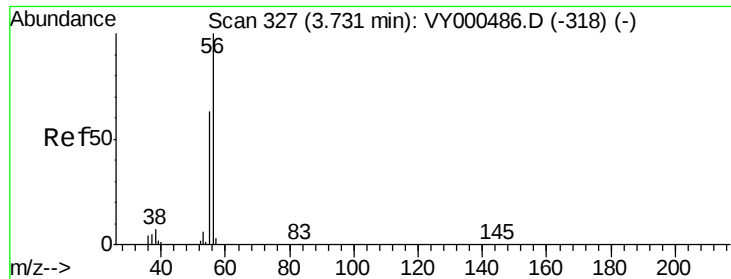


#12

1,1-Dichloroethene
Concen: 55.282 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	119.2	178.8
98	64.3	48.6	73.0





#13

Acrolein

Concen: 214.725 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 37673

Ion Ratio Lower Upper

56 100

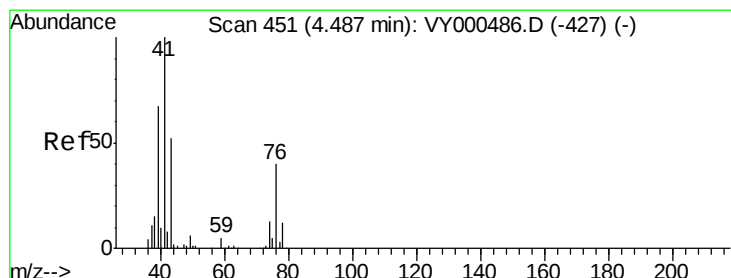
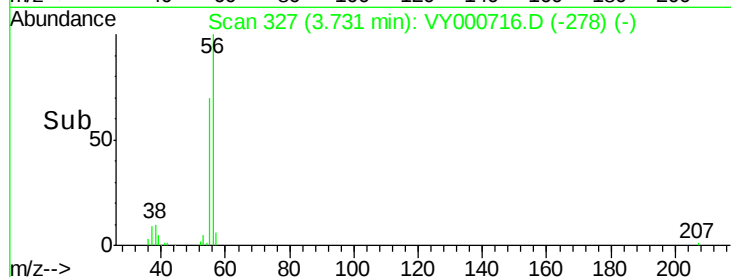
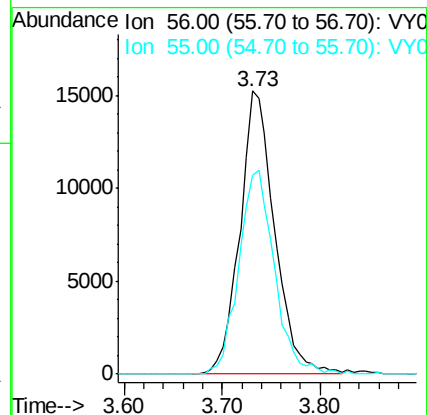
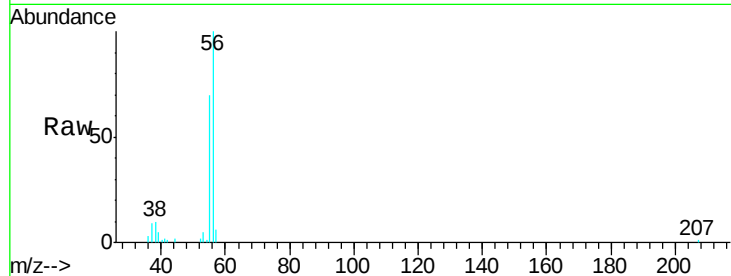
55 73.8 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 59.468 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

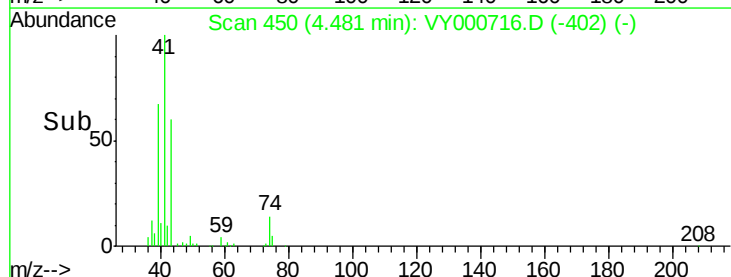
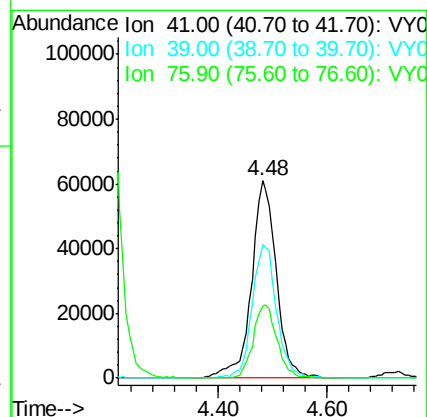
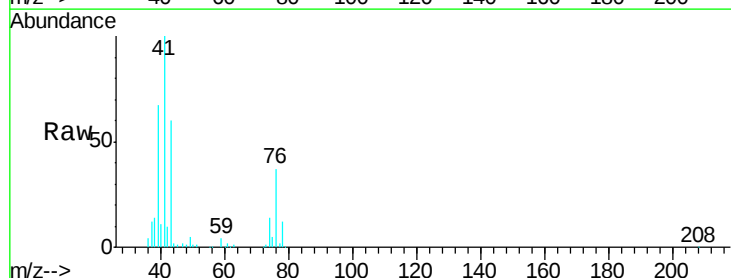
Tgt Ion: 41 Resp: 193129

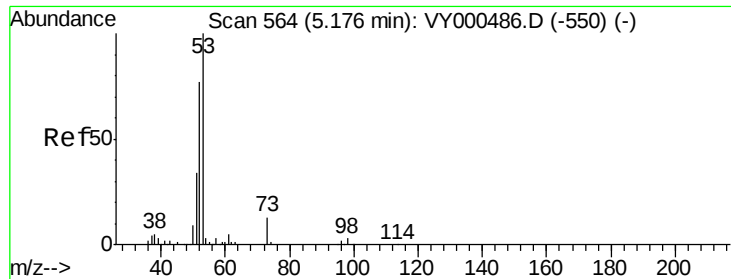
Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 35.6 29.8 44.6





#15

Acrylonitrile

Concen: 301.179 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

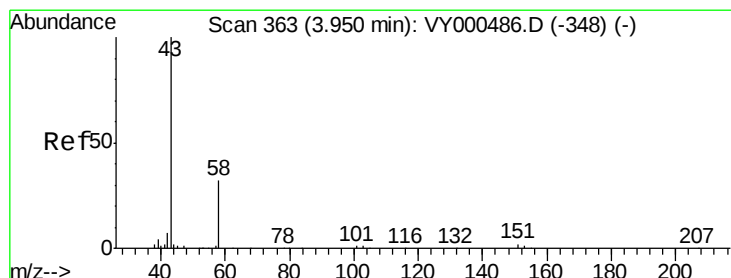
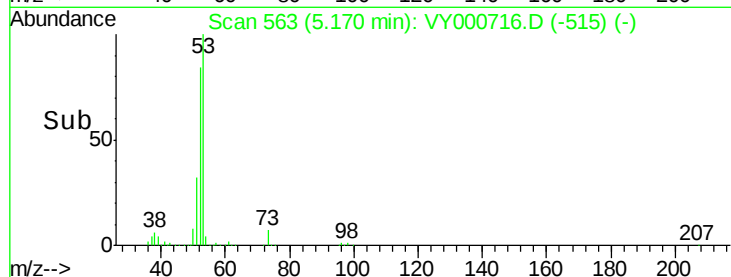
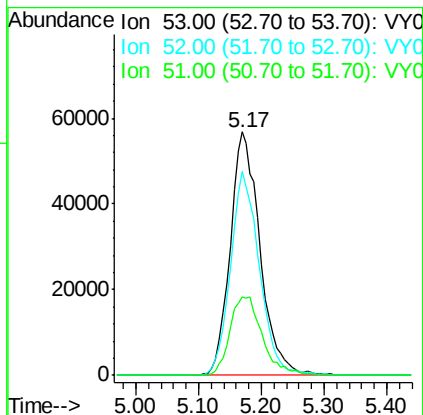
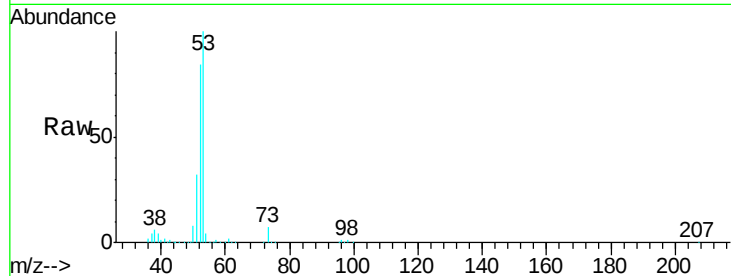
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	186407
Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.9	97.3
51	35.3	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 235.693 ug/l

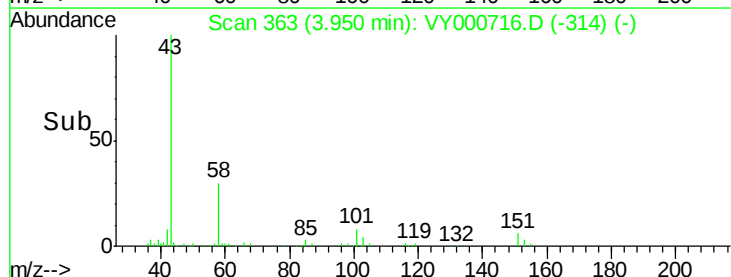
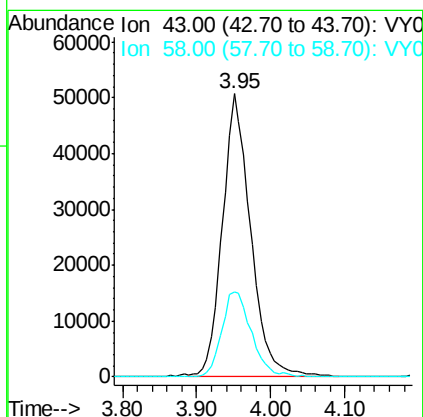
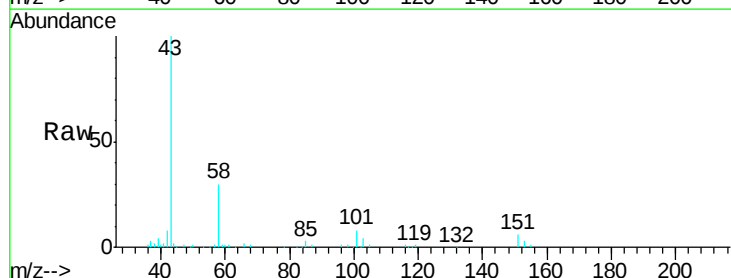
RT: 3.95 min Scan# 363

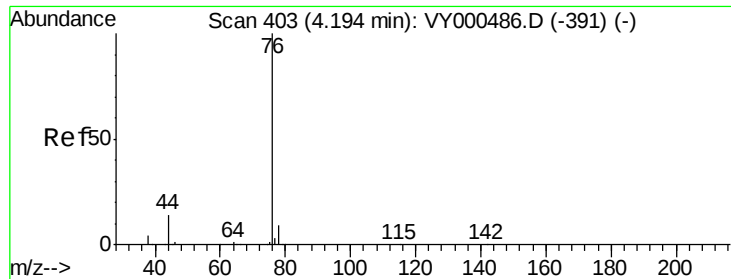
Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion:	43	Resp:	134412
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.8	38.6





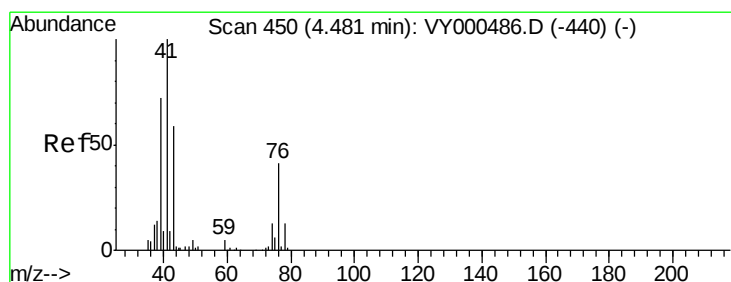
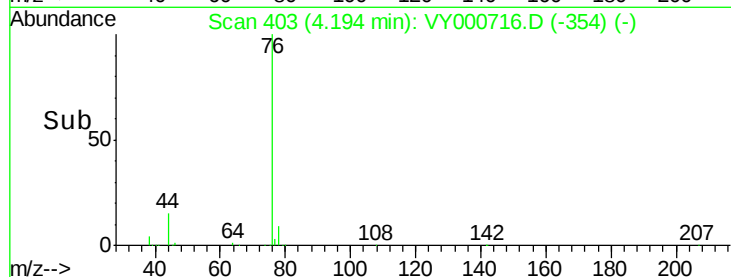
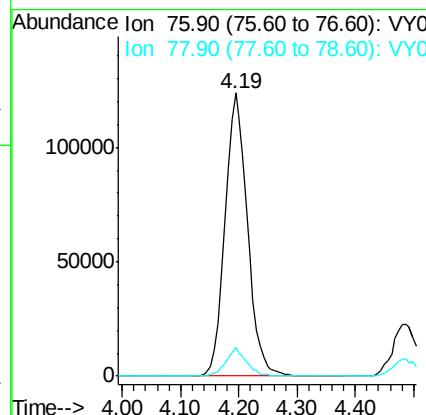
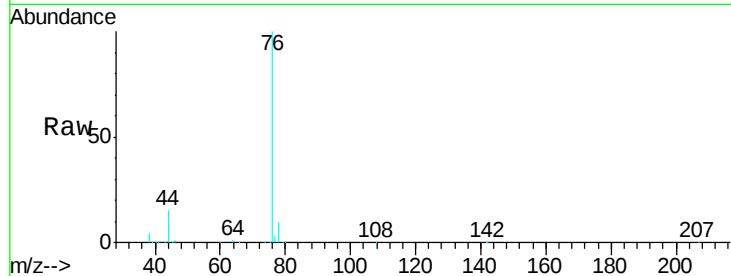
#17
Carbon Disulfide
Concen: 52.465 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.5	11.3

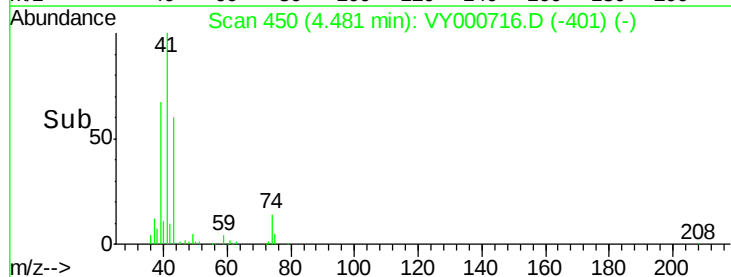
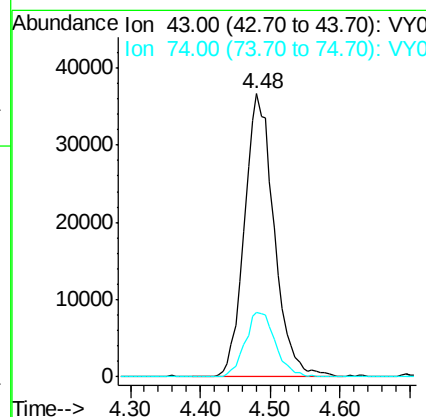
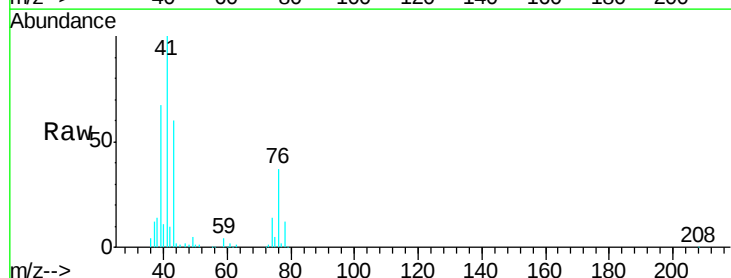
Manual Integrations
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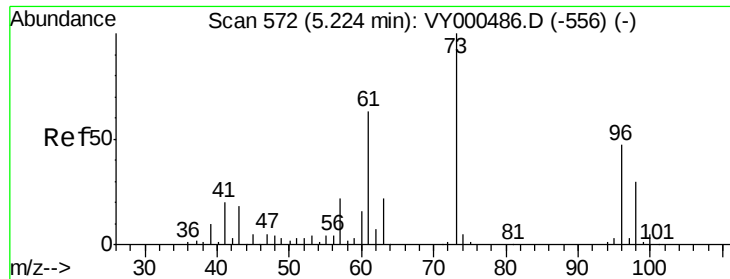
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#18
Methyl Acetate
Concen: 60.847 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8





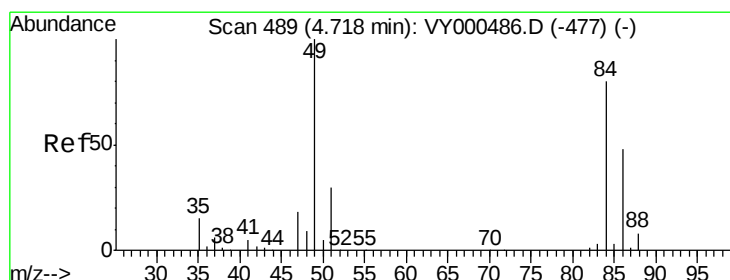
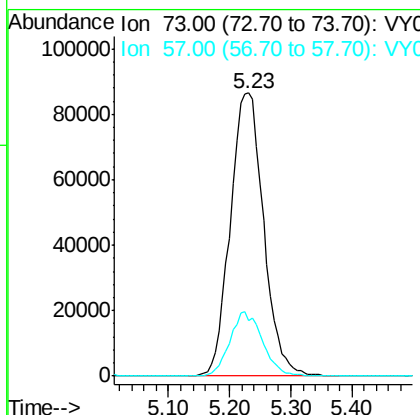
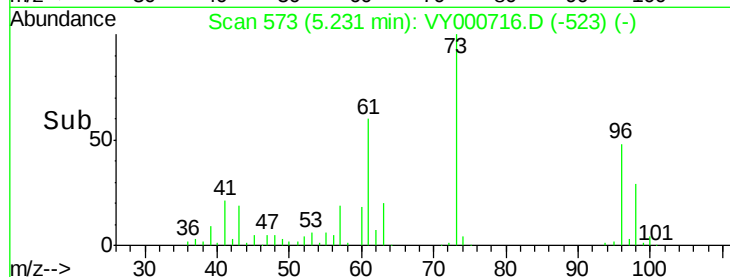
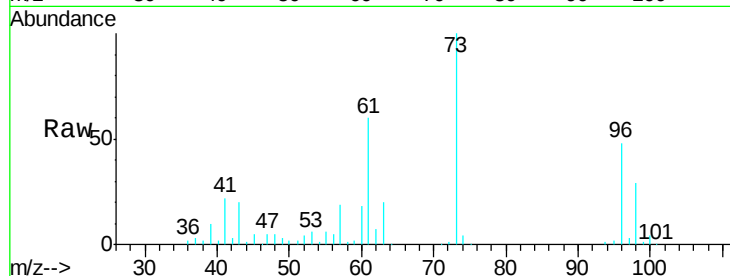
#19
Methyl tert-butyl Ether
Concen: 58.532 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 325032
Ion Ratio Lower Upper
73 100
57 19.5 17.4 26.0

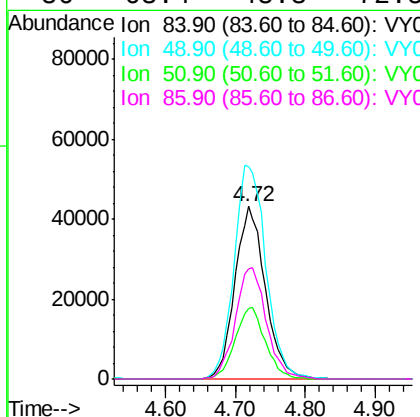
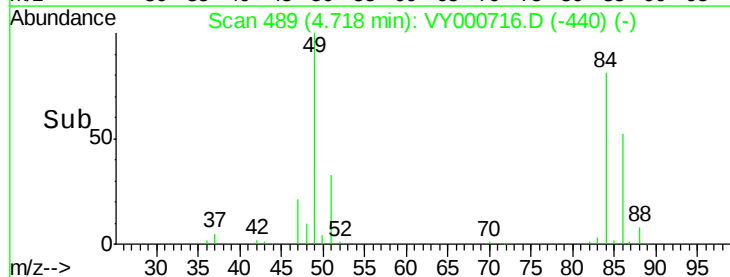
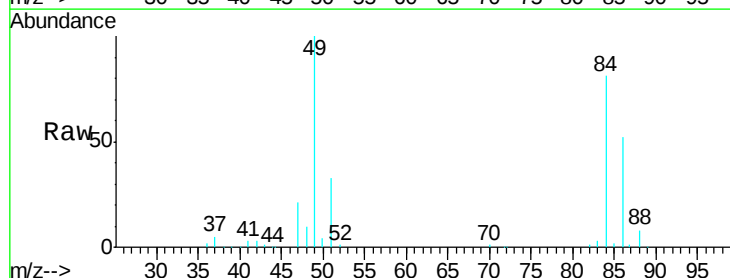
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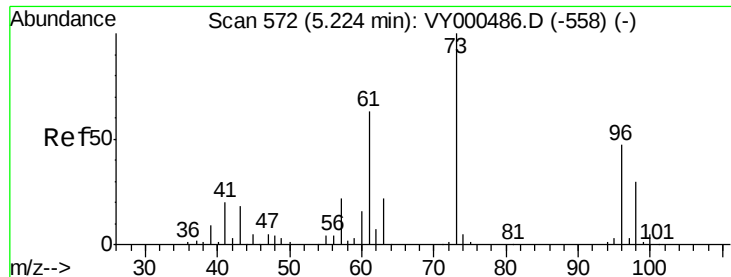
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#20
Methylene Chloride
Concen: 53.349 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion: 84 Resp: 130364
Ion Ratio Lower Upper
84 100
49 123.0 100.2 150.4
51 40.5 29.6 44.4
86 63.4 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 55.688 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 125738

Ion Ratio Lower Upper

96 100

61 124.7 106.6 160.0

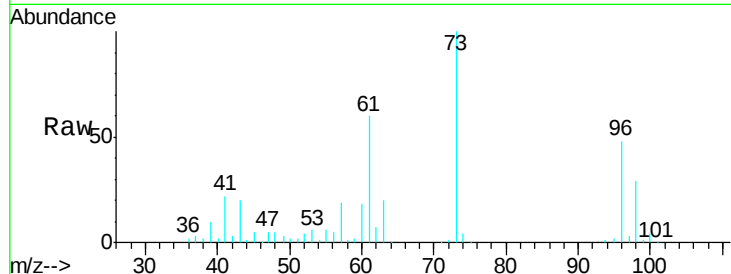
98 60.4 50.6 76.0

Manual Integrations

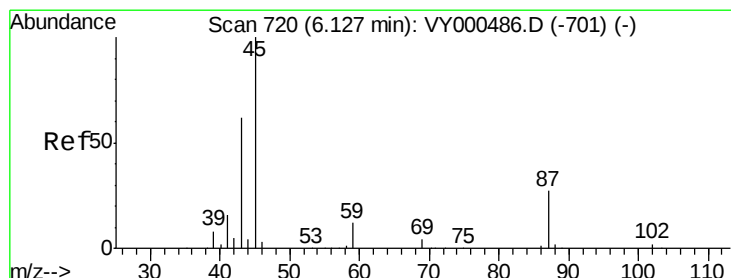
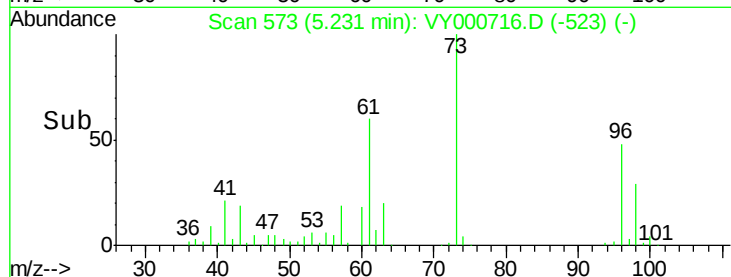
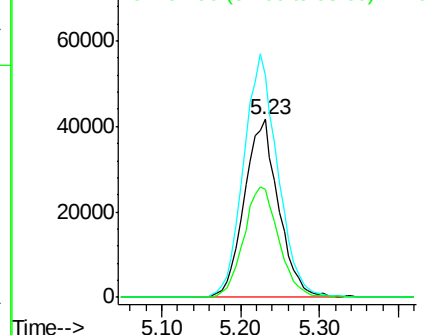
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 60.972 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion: 45 Resp: 430388

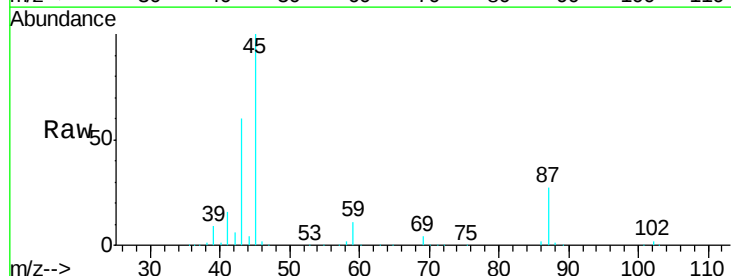
Ion Ratio Lower Upper

45 100

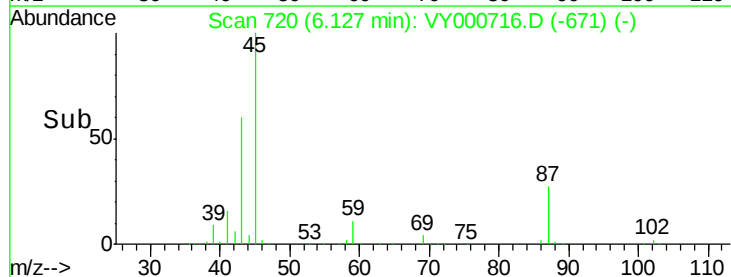
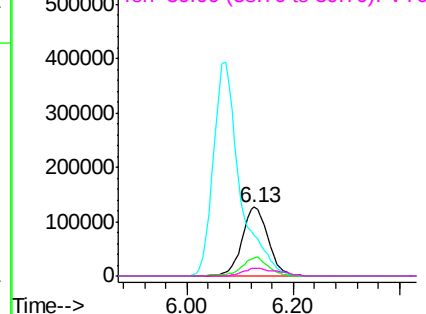
43 59.5 50.0 75.0

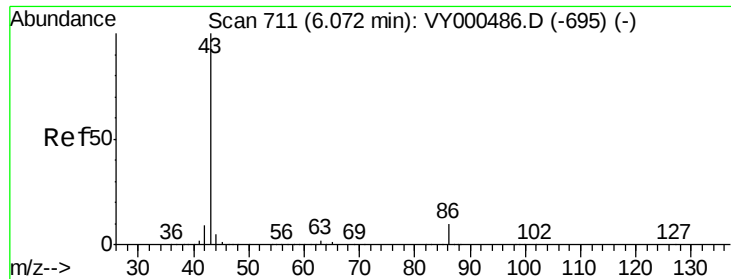
87 26.9 21.6 32.4

59 11.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





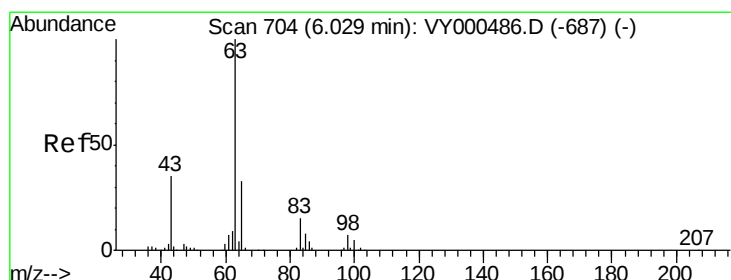
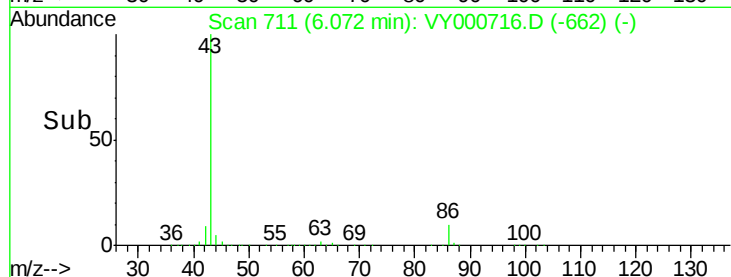
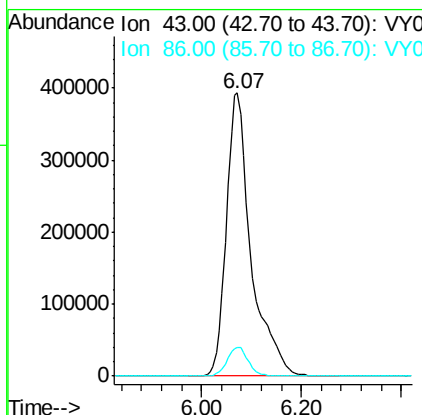
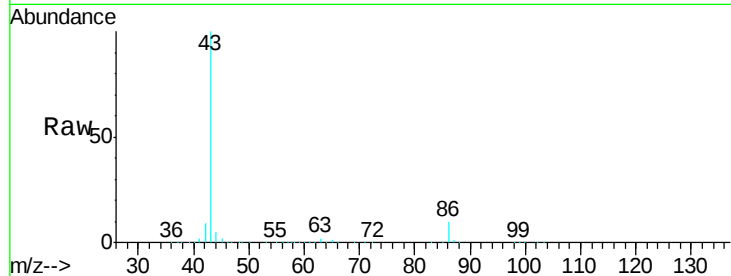
#23
 Vinyl Acetate
 Concen: 303.587 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1352748
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.6

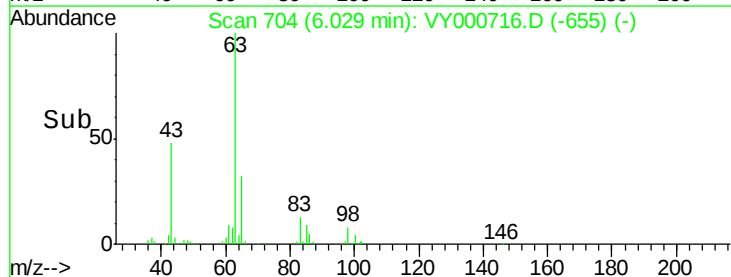
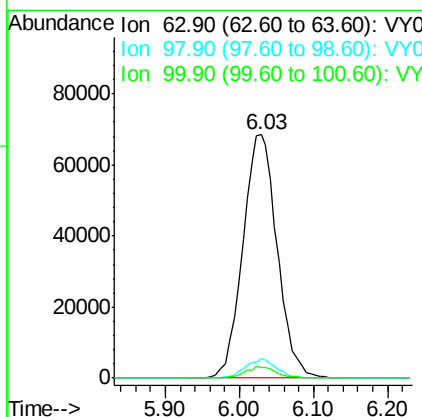
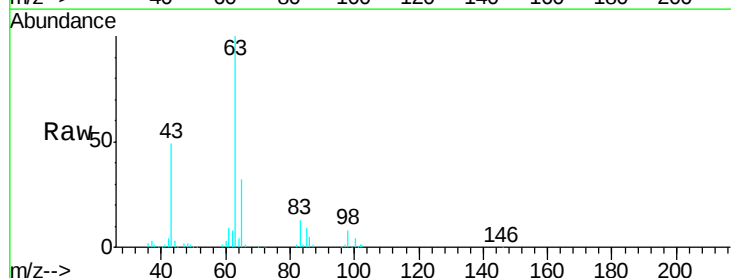
Manual Integrations
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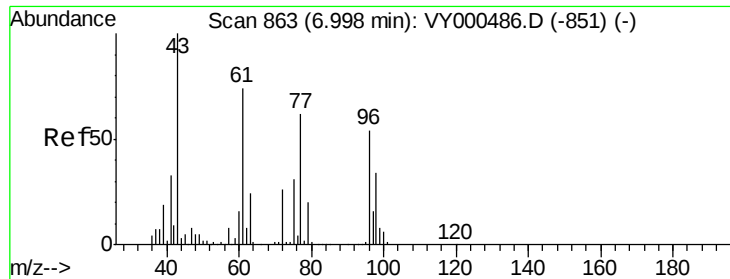
MMDadoda
 11/18/2019 3:24:05 PM



#24
 1,1-Dichloroethane
 Concen: 57.689 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion: 63 Resp: 220605
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.5 10.6
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 272.618 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 248120

Ion Ratio Lower Upper

43 100

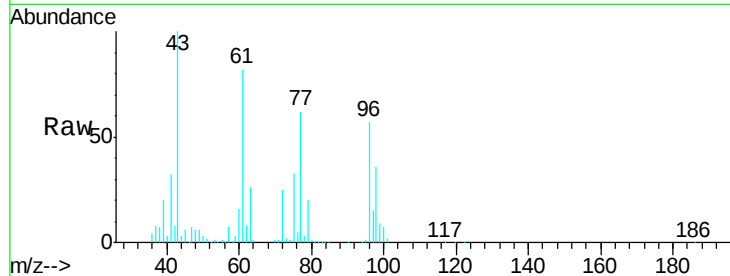
72 24.6 20.9 31.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.00

100000

80000

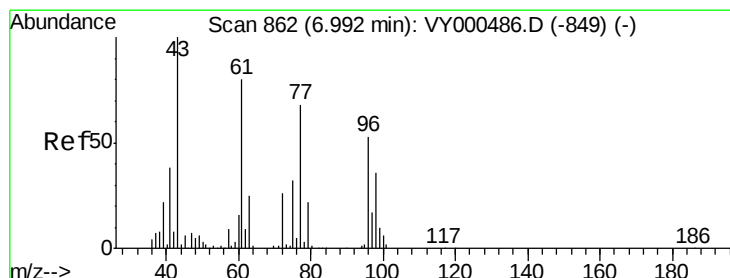
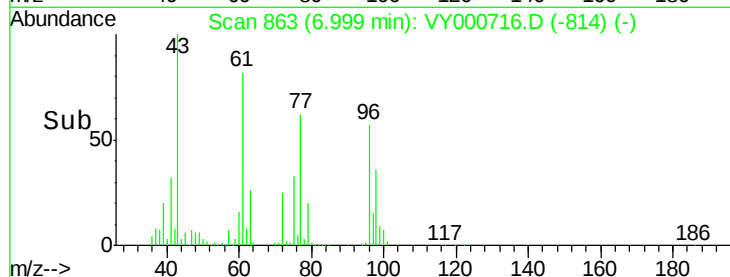
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.541 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000716.D

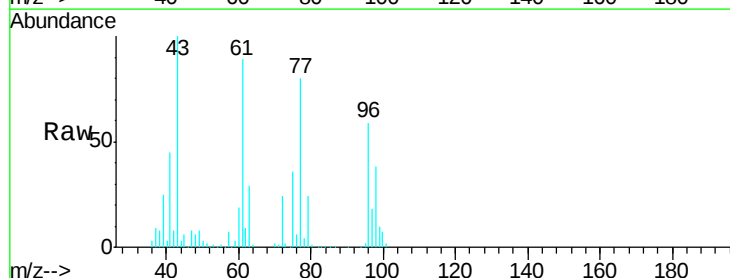
Acq: 15 Nov 2019 20:46

Tgt Ion: 77 Resp: 183613

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

6.99

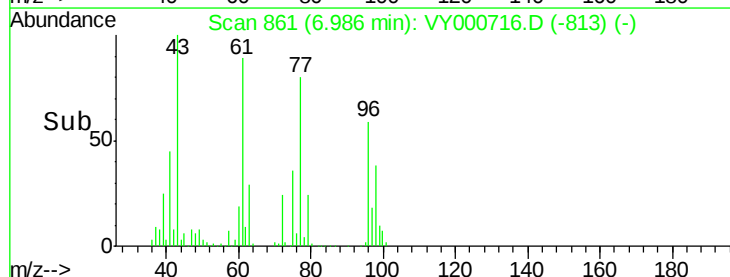
60000

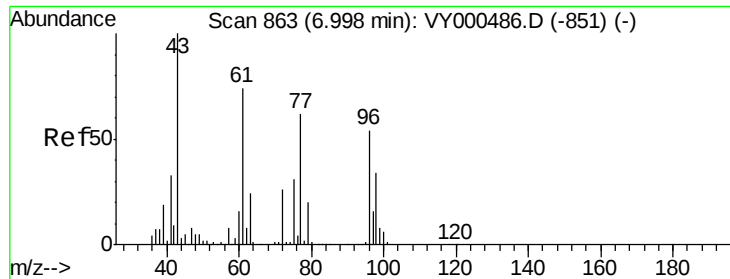
40000

20000

0

Time-->





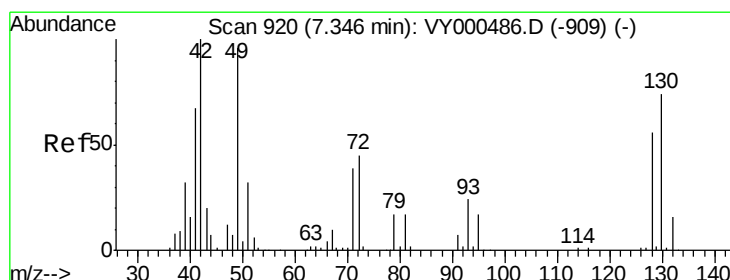
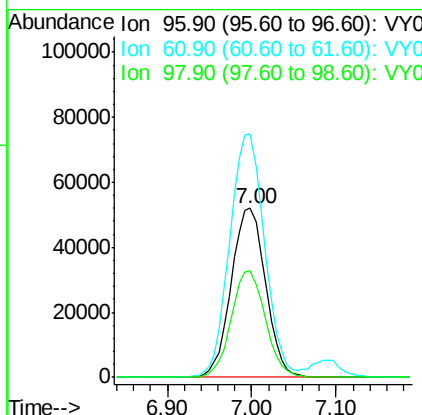
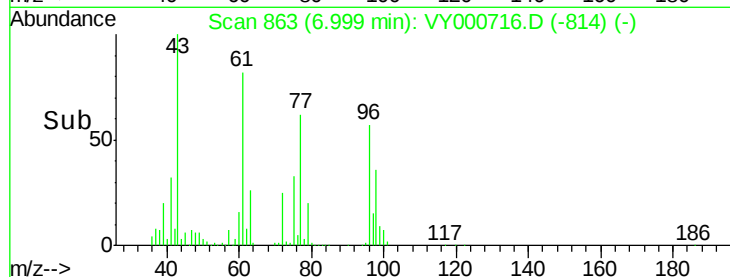
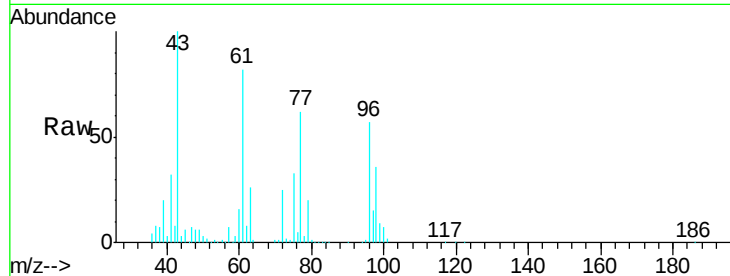
#27
 cis-1,2-Dichloroethene
 Concen: 58.286 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	143905		
61	145.8	0.0	287.0	
98	62.5	0.0	129.4	

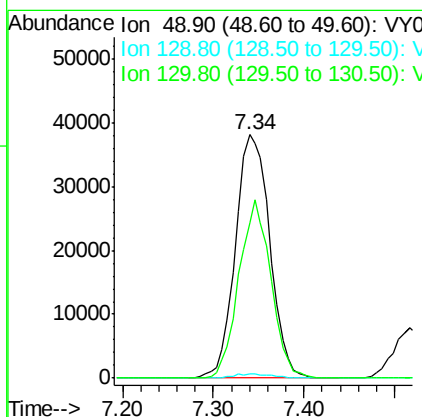
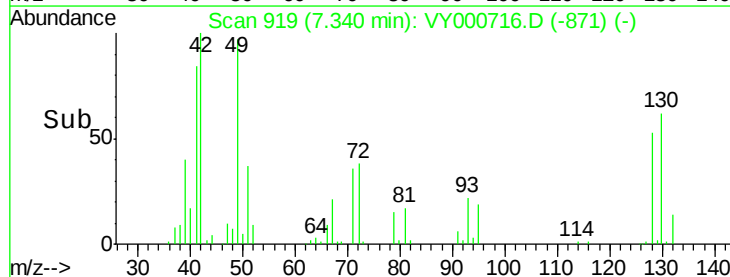
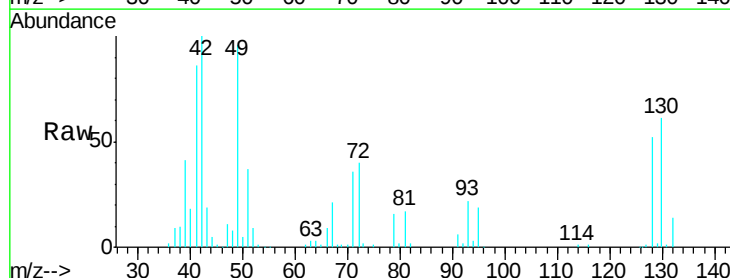
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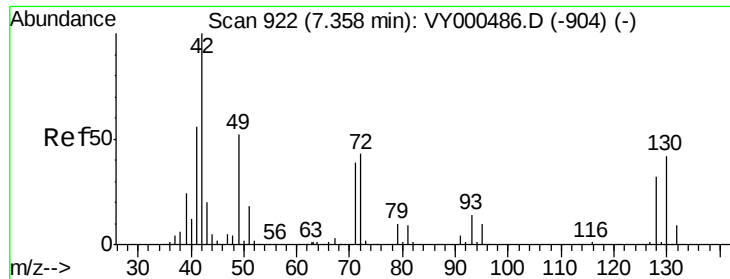
MMDadoda
 11/18/2019 3:24:05 PM



#28
 Bromochloromethane
 Concen: 56.654 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99840		
129	1.9	0.0	3.6	
130	68.5	59.4	89.0	





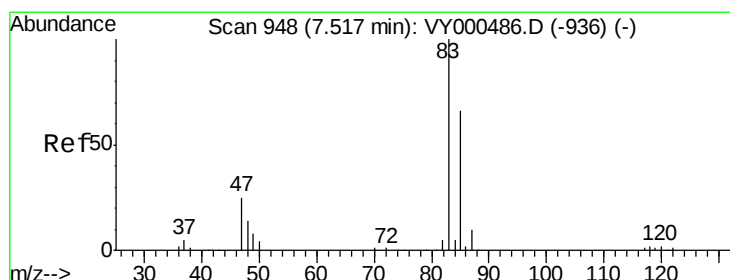
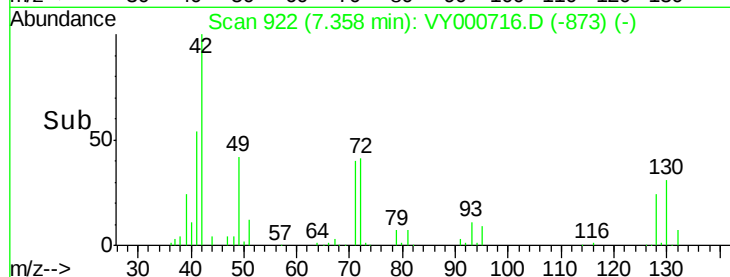
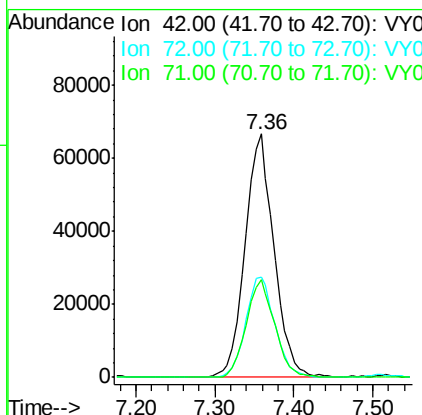
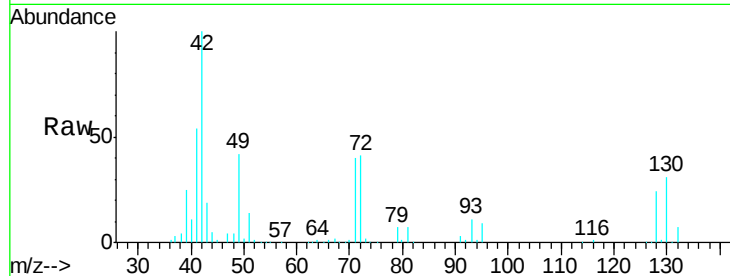
#29
Tetrahydrofuran
Concen: 305.596 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	39.6	30.8	46.2

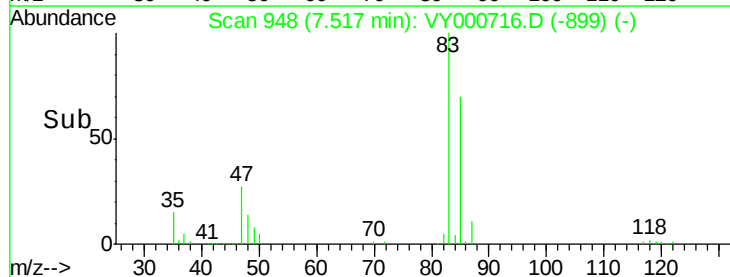
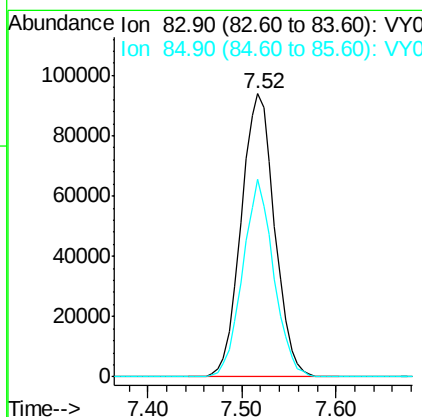
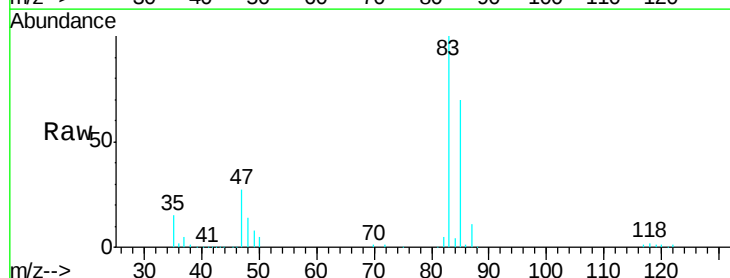
Manual Integrations
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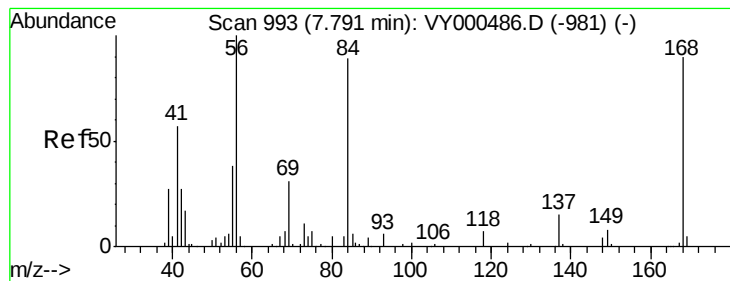
MMDadoda
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#30
Chloroform
Concen: 60.348 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	53.0	79.4





#31

Cyclohexane

Concen: 51.466 ug/l

RT: 7.79 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 206135
Ion Ratio Lower Upper

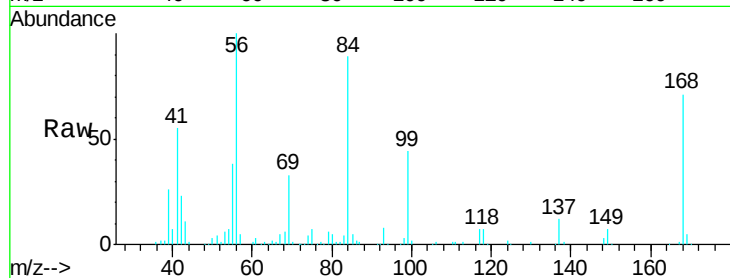
56 100

69 33.0 25.0 37.6

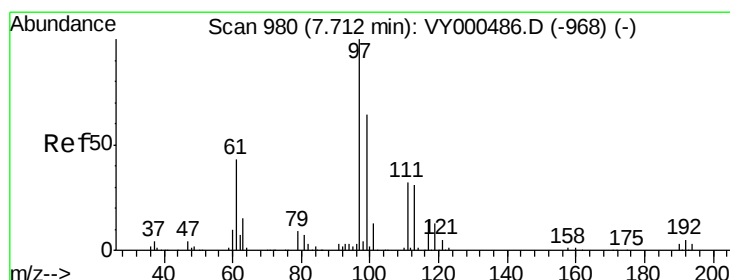
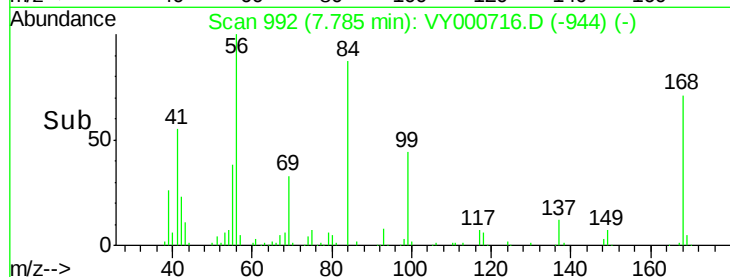
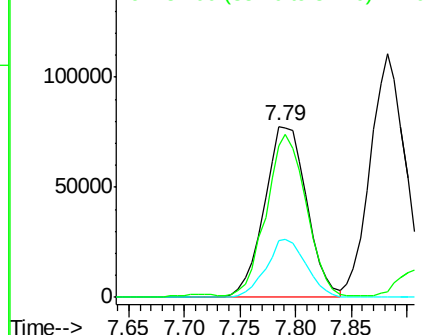
84 87.0 71.4 107.2

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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 56.428 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000716.D

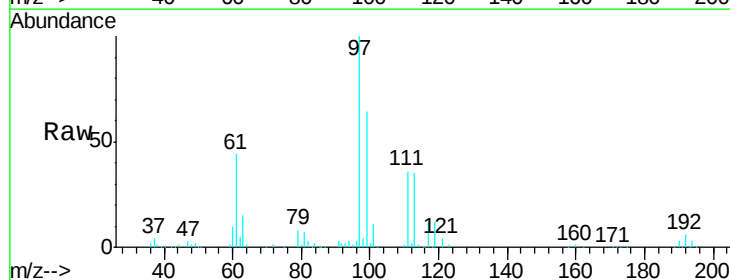
Acq: 15 Nov 2019 20:46

Tgt Ion: 97 Resp: 194543
Ion Ratio Lower Upper

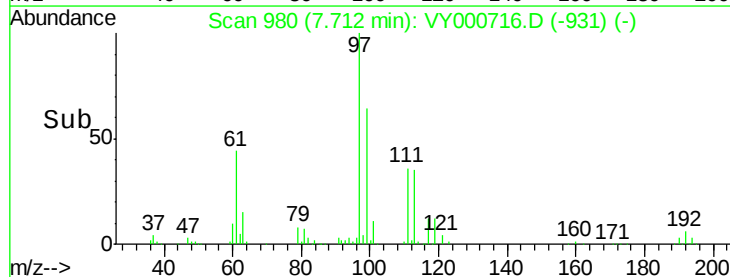
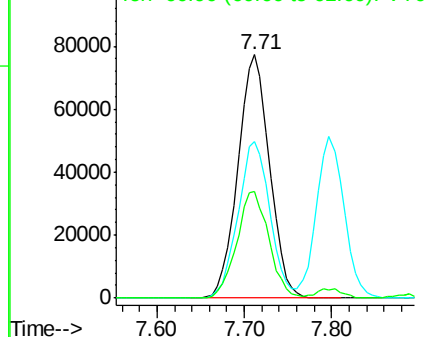
97 100

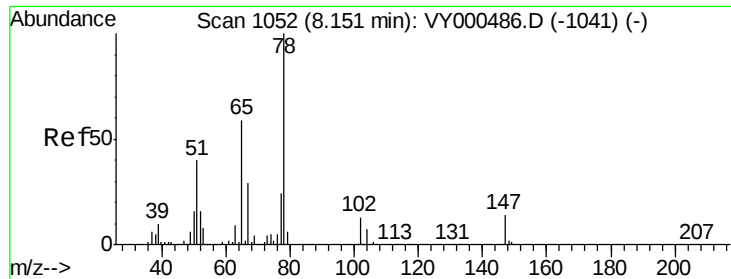
99 65.1 50.9 76.3

61 44.5 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 60.577 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 125344

Ion Ratio Lower Upper

65 100

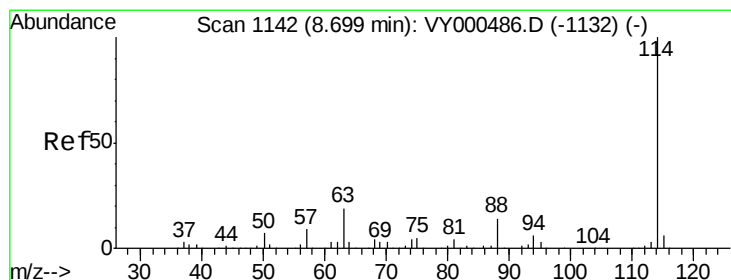
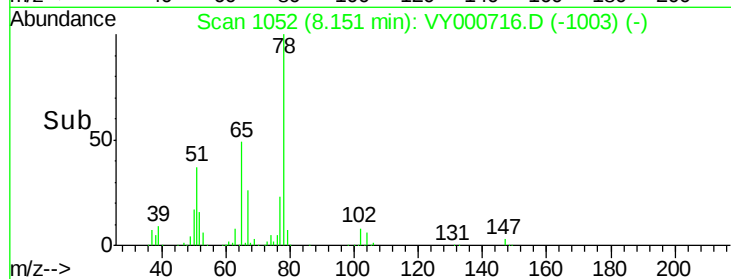
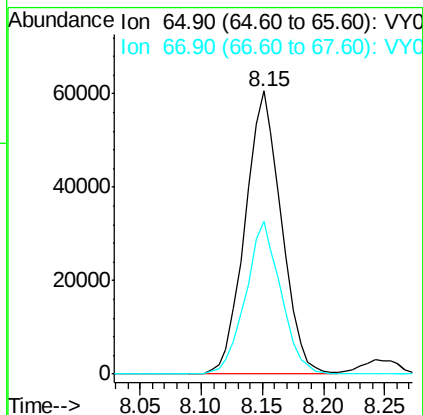
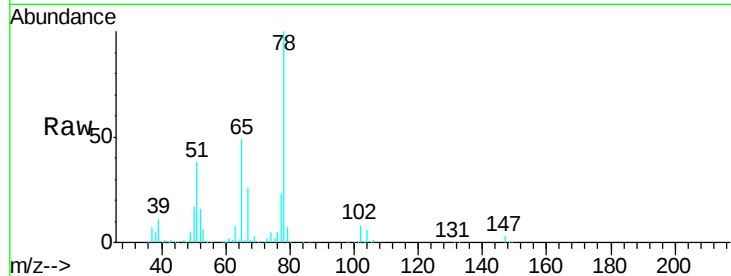
67 52.3 0.0 107.2

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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: VY000716.D

Acq: 15 Nov 2019 20:46

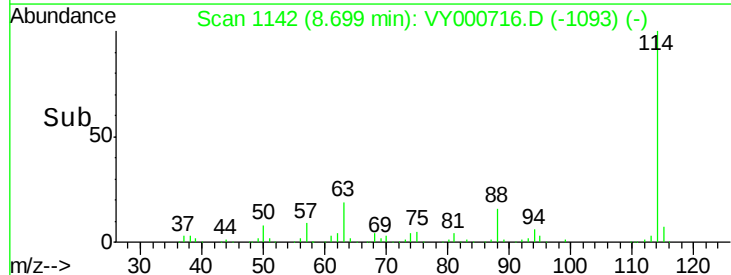
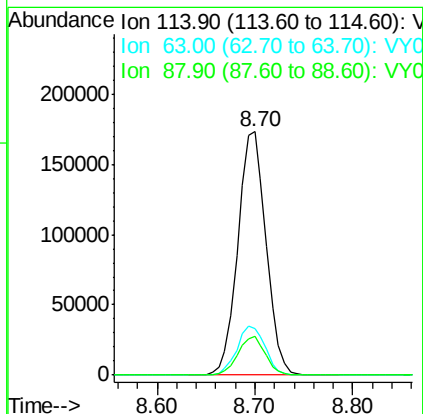
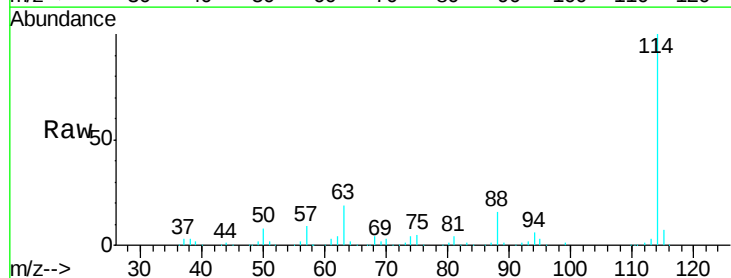
Tgt Ion: 114 Resp: 345646

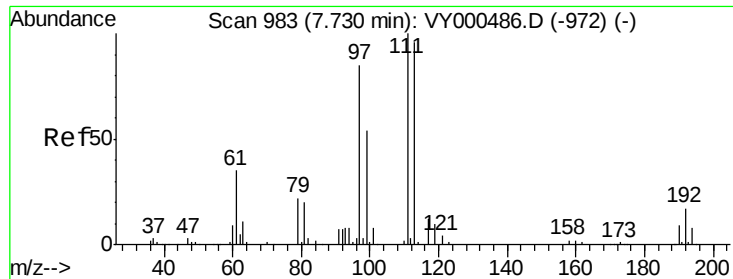
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.0

88 15.8 0.0 28.6





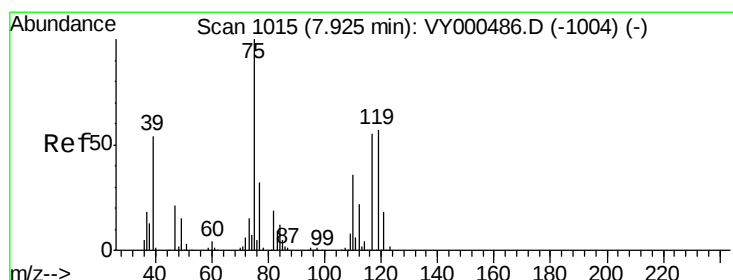
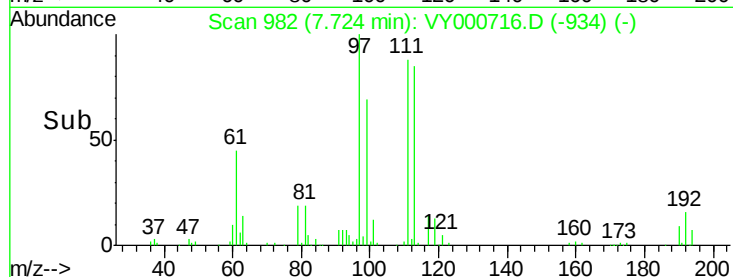
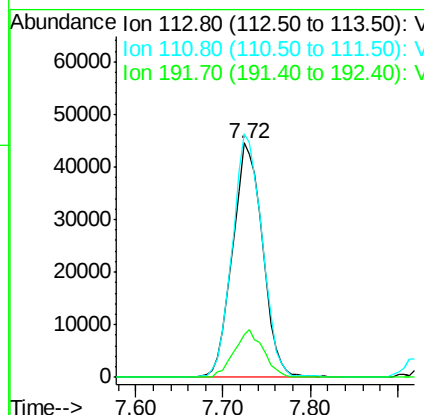
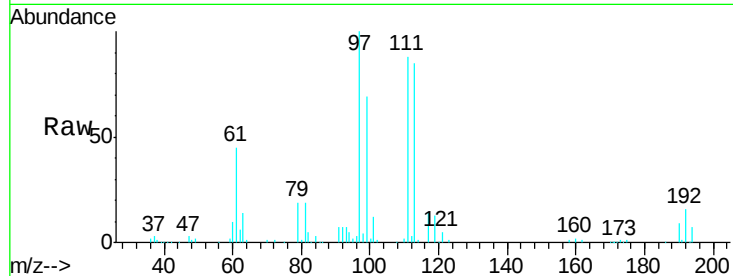
#35
Dibromofluoromethane
Concen: 52.490 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	106511		
111	103.4	81.7	122.5	
192	19.5	15.0	22.4	

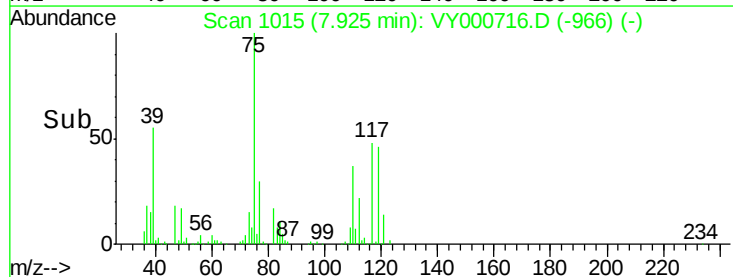
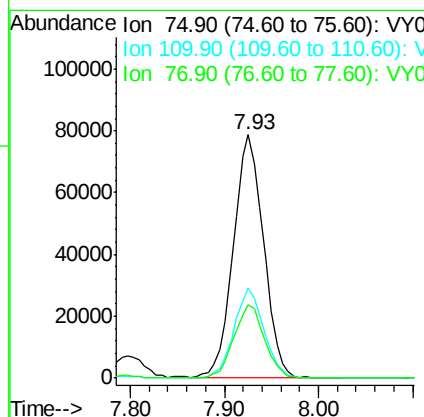
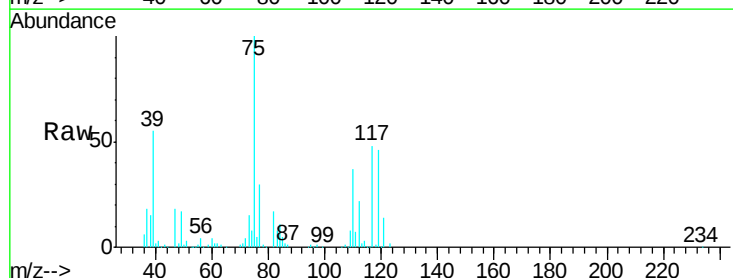
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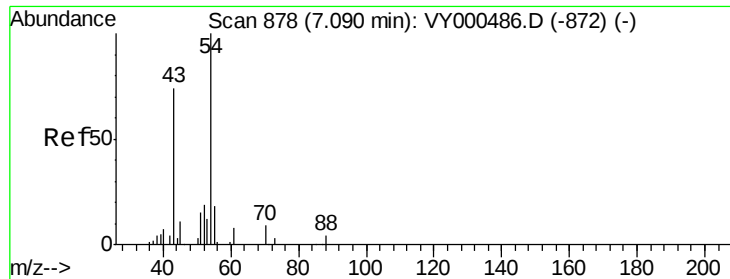
MMDadoda
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#36
1,1-Dichloropropene
Concen: 53.665 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175353		
110	36.7	18.1	54.1	
77	30.7	25.0	37.6	





#37

Ethyl Acetate

Concen: 56.383 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

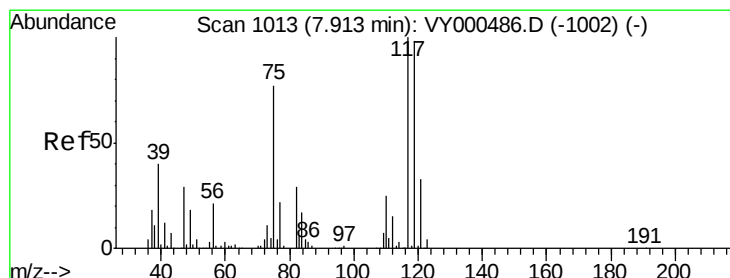
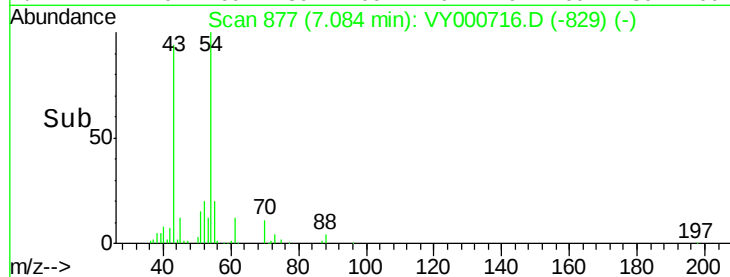
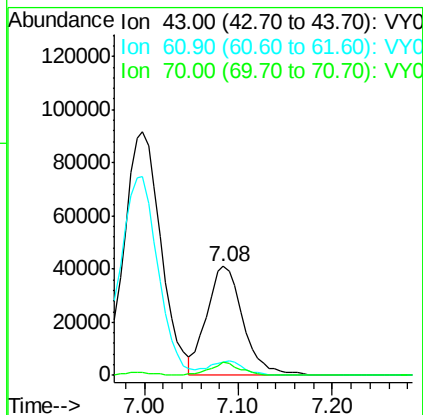
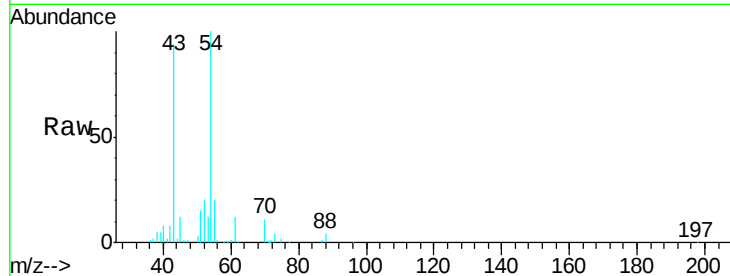
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	109380
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.9	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.417 ug/l

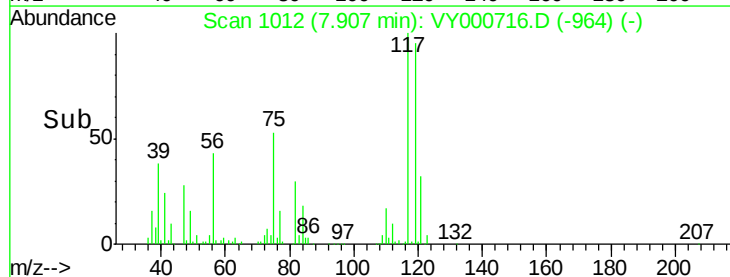
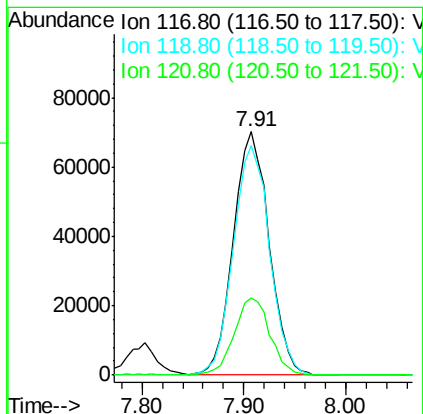
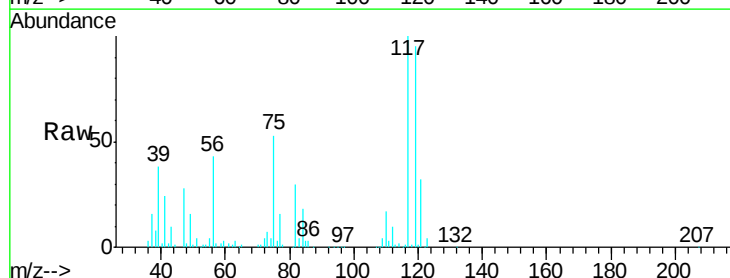
RT: 7.91 min Scan# 1012

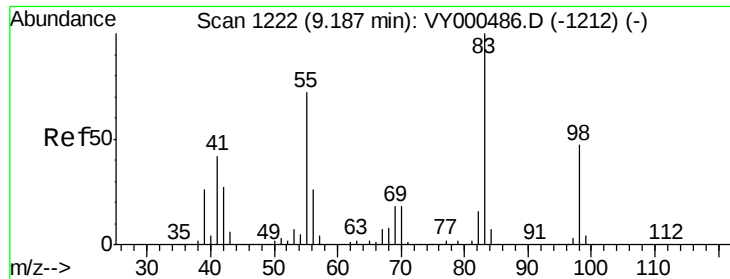
Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion:	117	Resp:	171094
Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.0	117.0
121	31.9	26.6	40.0





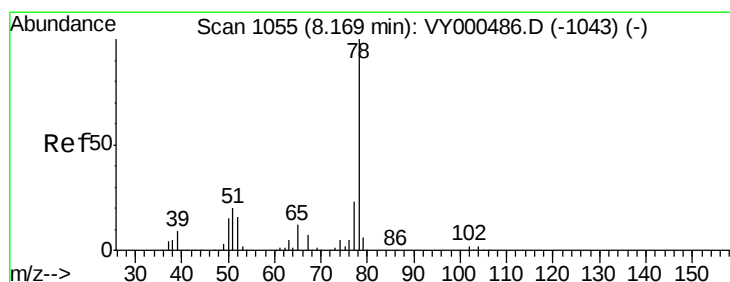
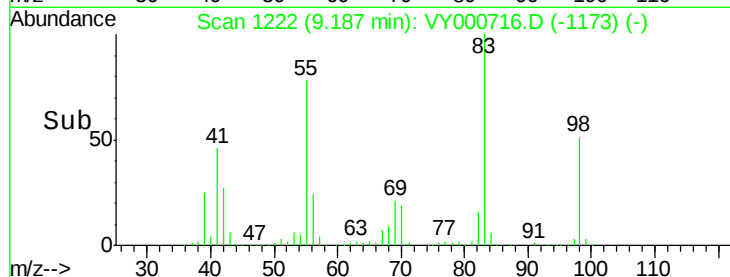
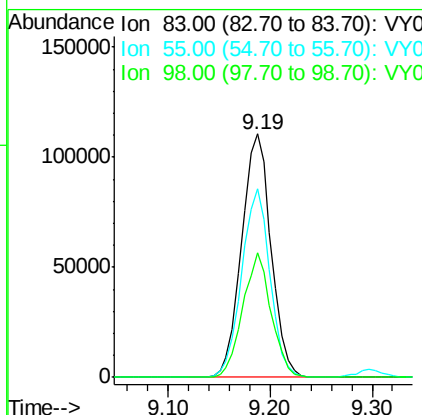
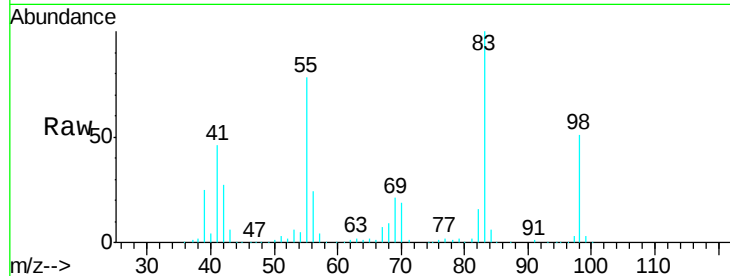
#39
Methylcyclohexane
Concen: 52.519 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.7	57.5	86.3
98	51.4	38.0	57.0

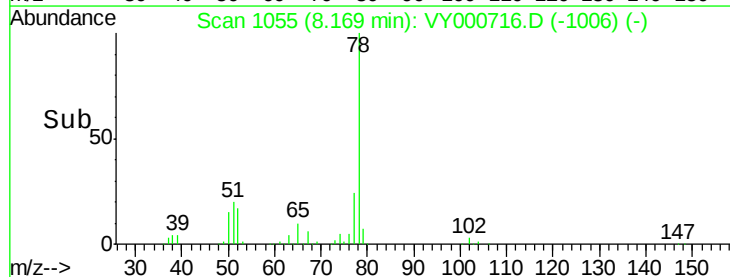
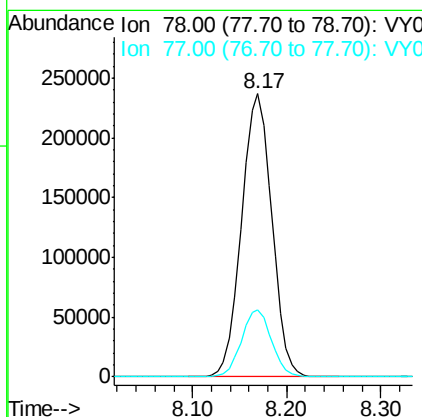
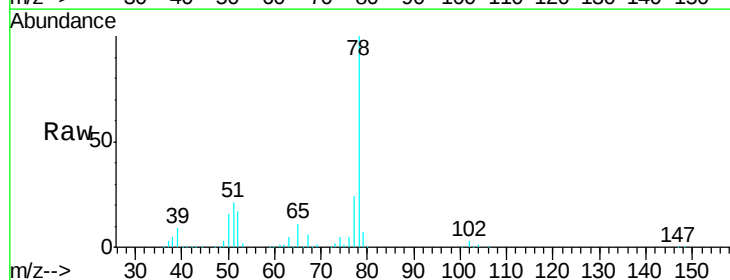
Manual Integrations
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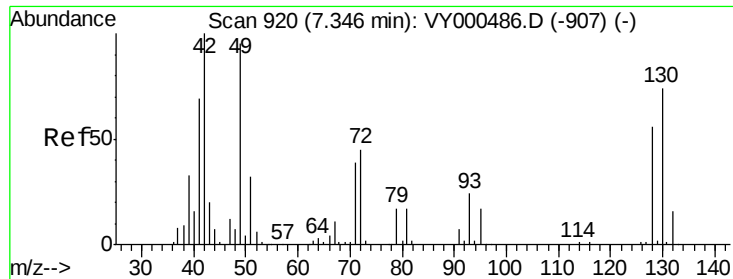
MMDadoda
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#40
Benzene
Concen: 55.323 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





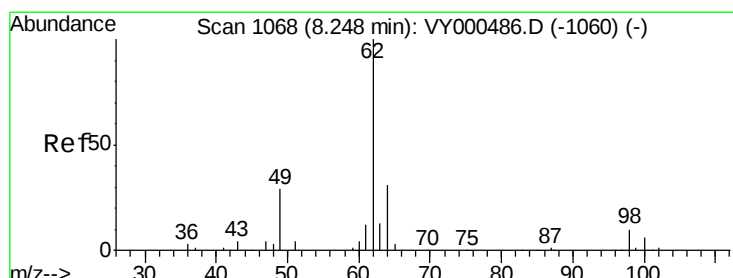
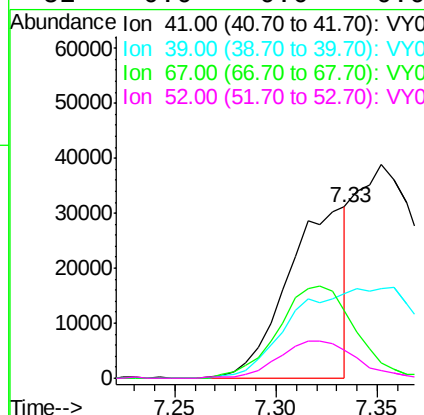
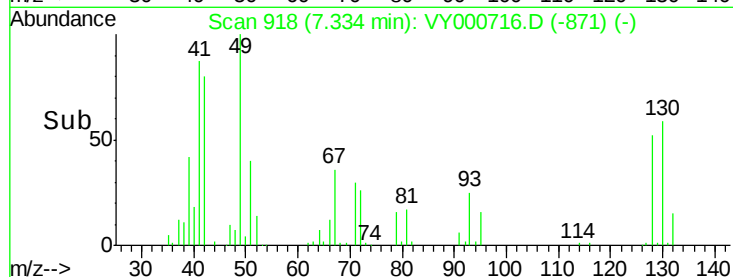
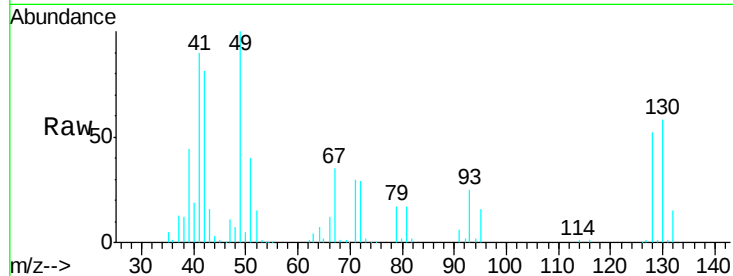
#41
Methacrylonitrile
Concen: 59.571 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	114.2	68.2	102.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

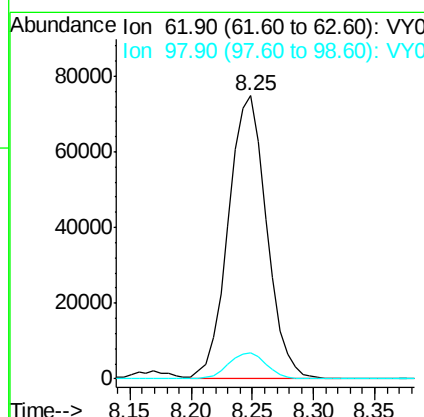
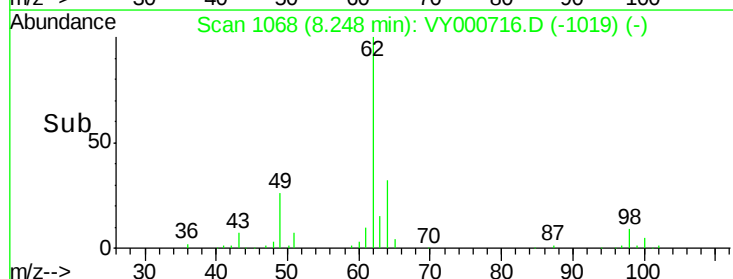
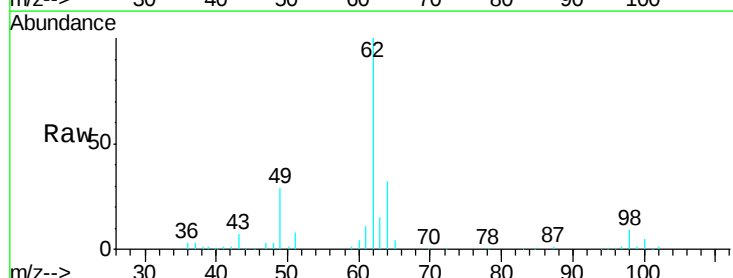
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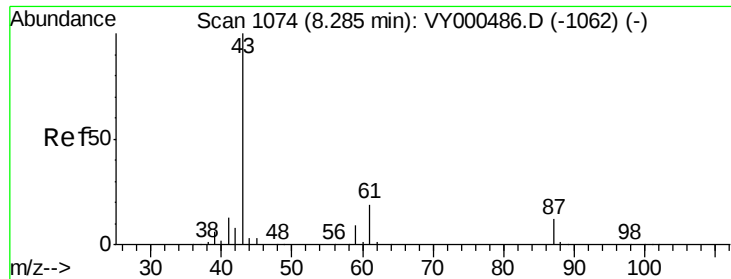
MMDadoda
11/18/2019 3:24:05 PM



#42
1,2-Dichloroethane
Concen: 59.627 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2





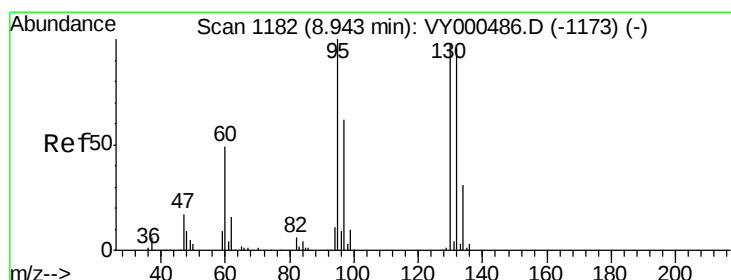
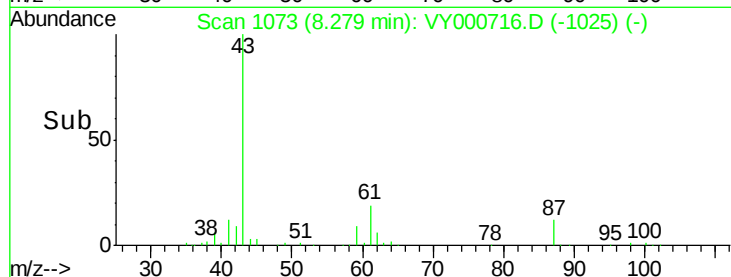
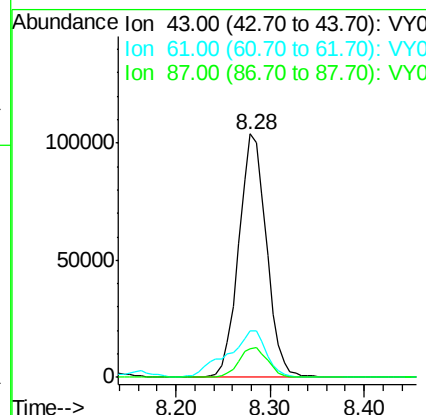
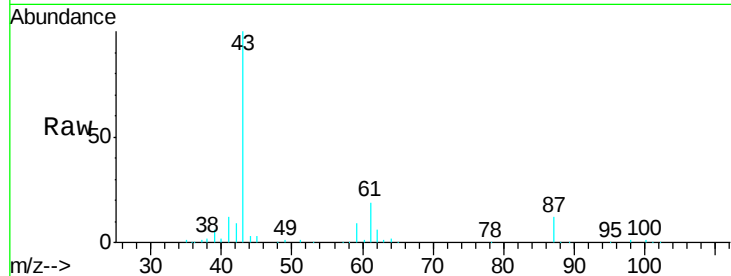
#43
Isopropyl Acetate
Concen: 58.538 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.7	23.0	34.4
87	12.8	10.5	15.7

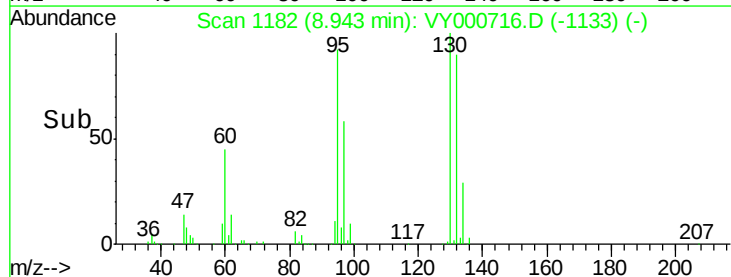
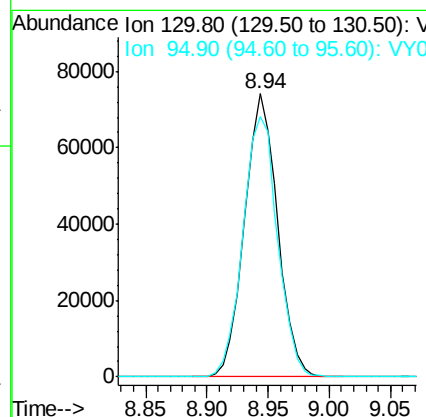
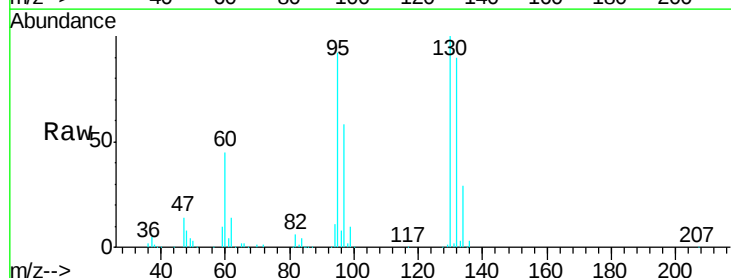
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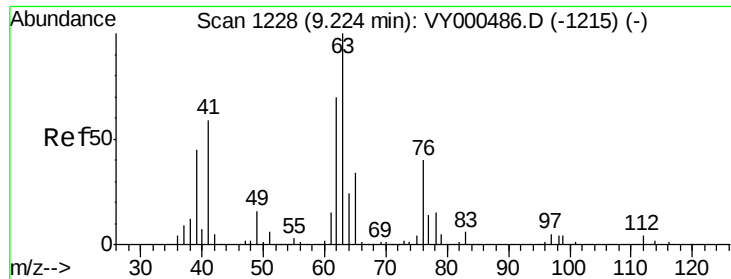
MMDadoda
11/18/2019 3:24:05 PM



#44
Trichloroethene
Concen: 54.891 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	203.2





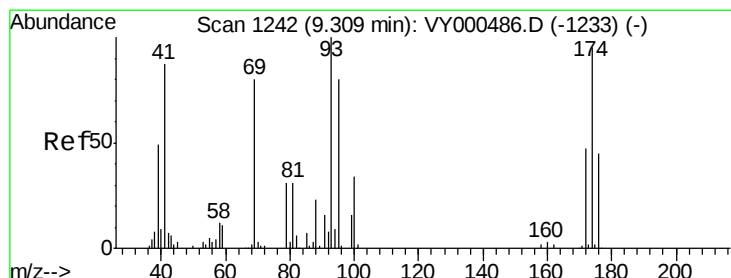
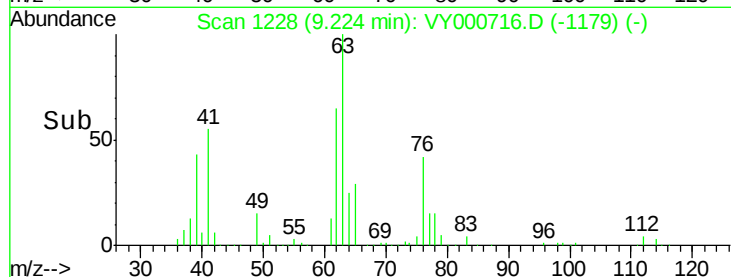
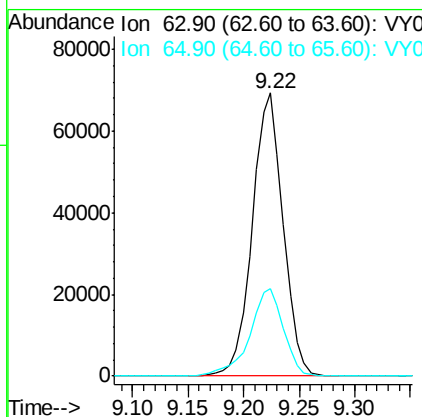
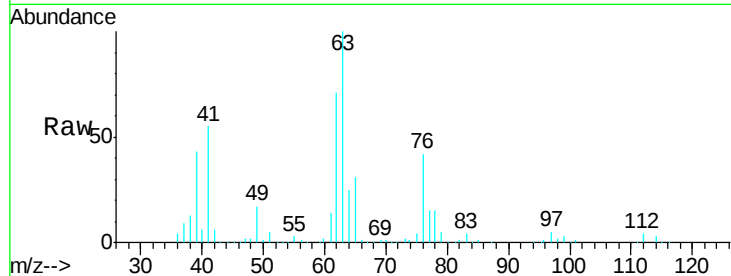
#45
 1,2-Dichloropropane
 Concen: 56.592 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 133431
 Ion Ratio Lower Upper
 63 100
 65 30.7 27.0 40.4

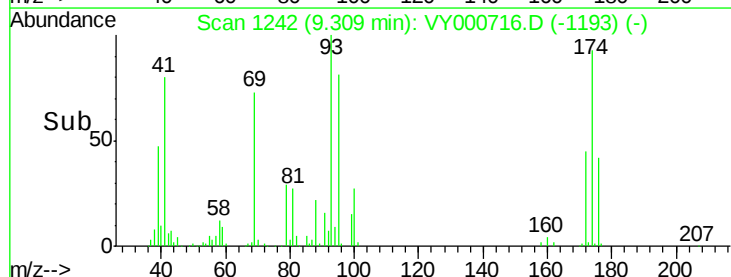
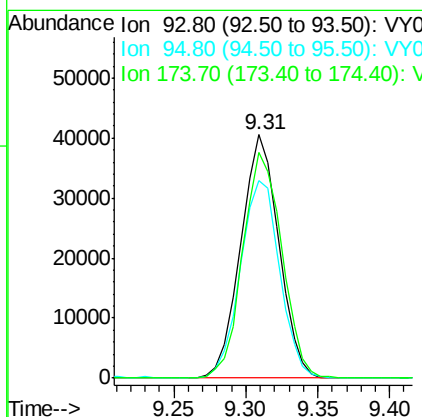
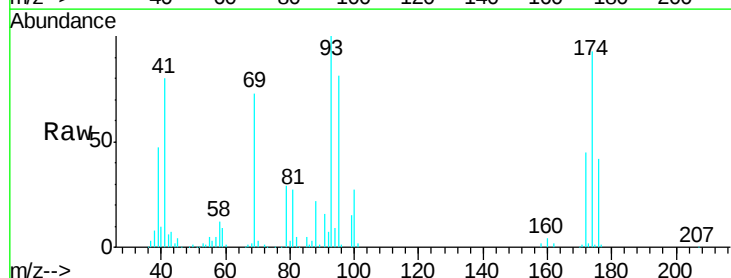
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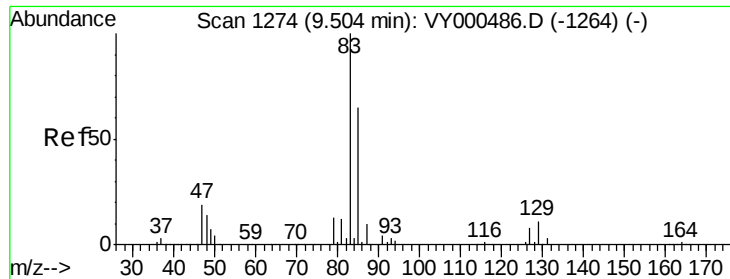
MMDadoda
 11/18/2019 3:24:05 PM



#46
 Dibromomethane
 Concen: 57.354 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion: 93 Resp: 74370
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.4 99.6
 174 95.0 77.1 115.7





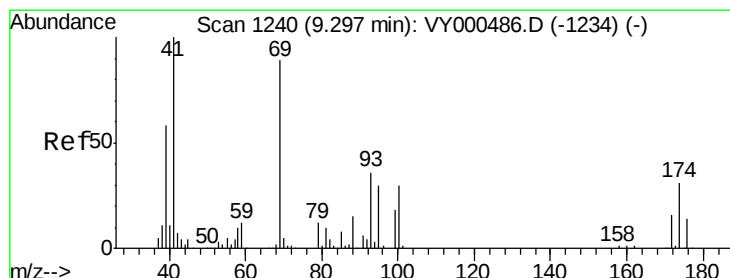
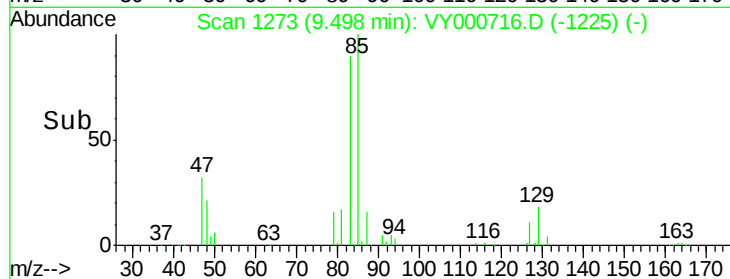
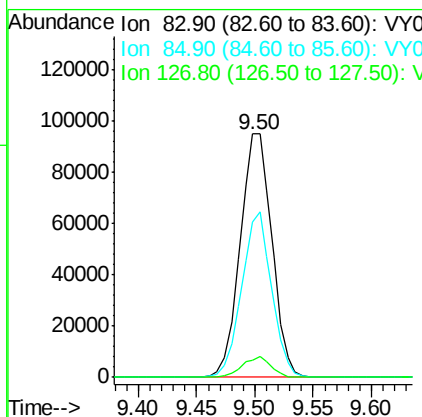
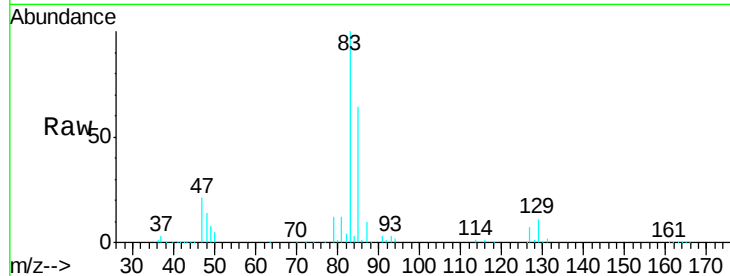
#47
Bromodichloromethane
Concen: 58.773 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	180829		
85	63.9	51.8	77.8	
127	7.2	6.7	10.1	

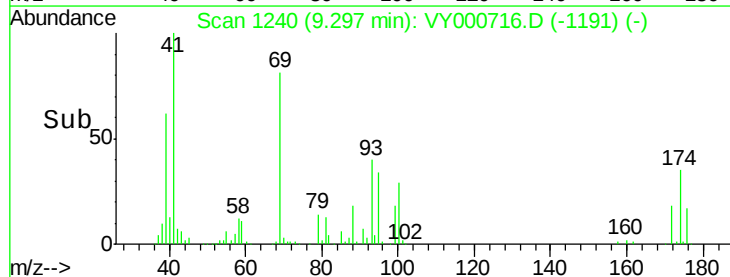
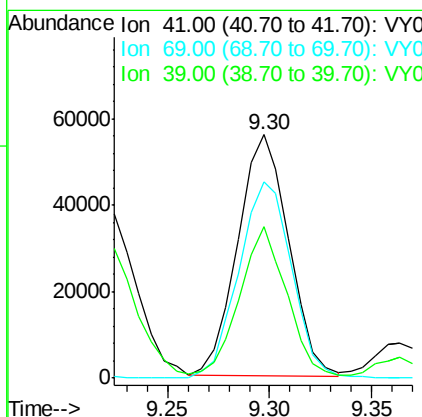
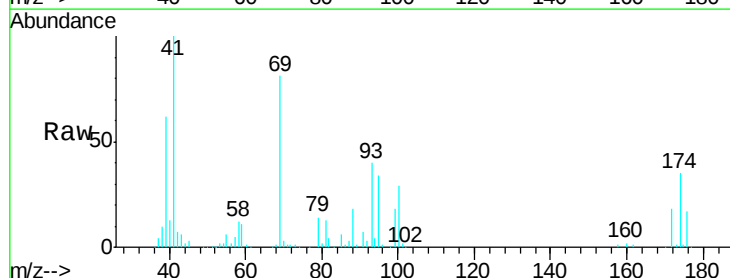
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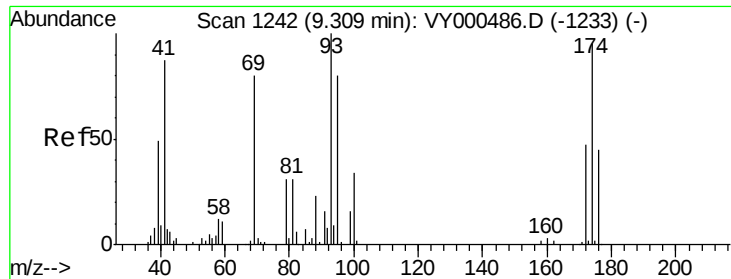
MMDadoda
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#48
Methyl methacrylate
Concen: 60.525 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	96372		
69	84.9	72.5	108.7	
39	59.5	47.8	71.8	





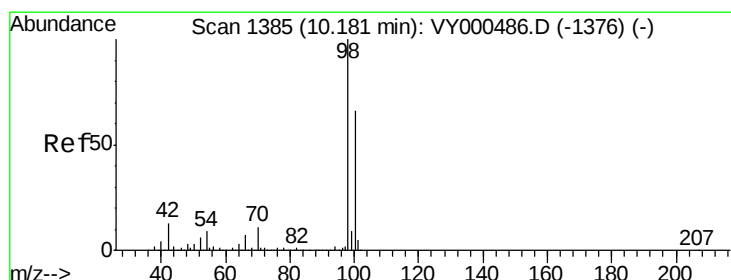
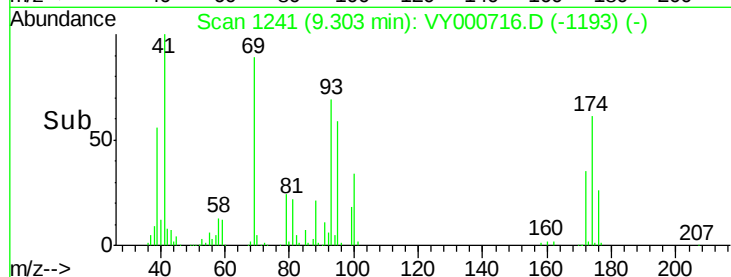
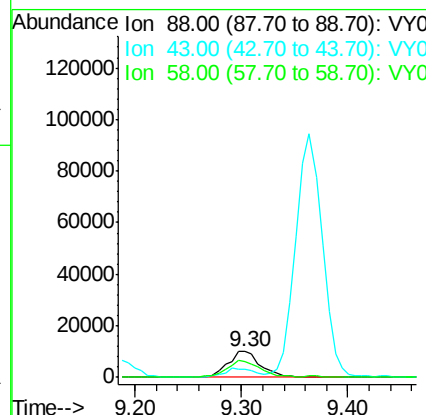
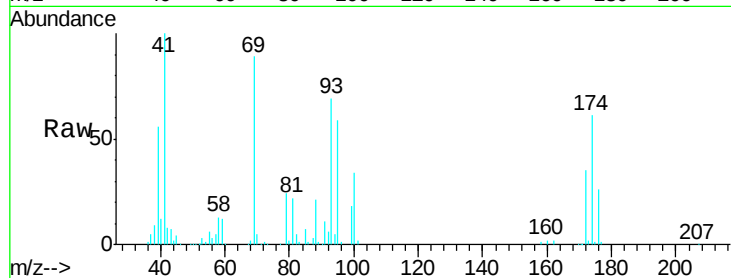
#49
1,4-Dioxane
Concen: 1253.085 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.1	37.7
58	64.8	50.6	75.8

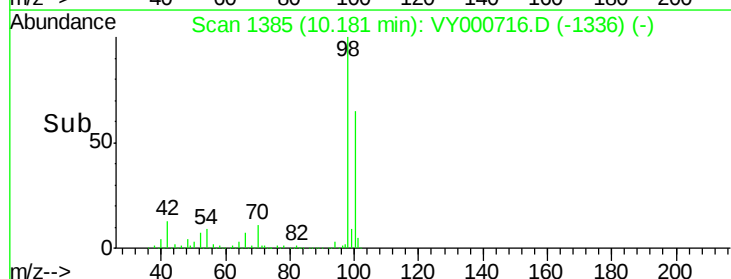
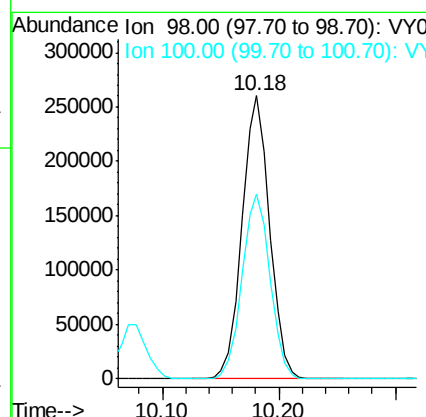
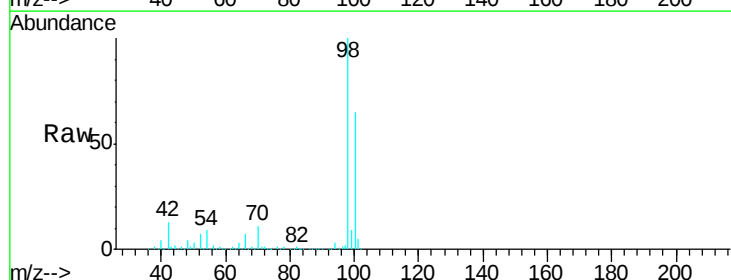
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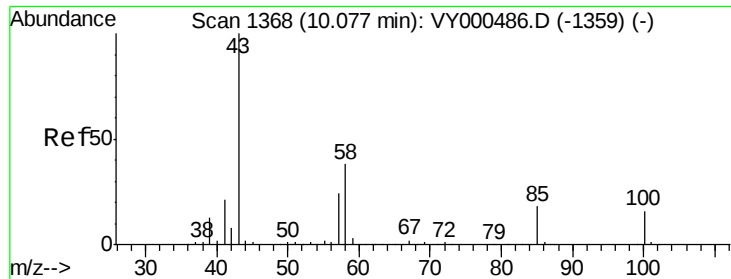
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#50
Toluene-d8
Concen: 55.682 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 299.672 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 580630

Ion Ratio Lower Upper

43 100

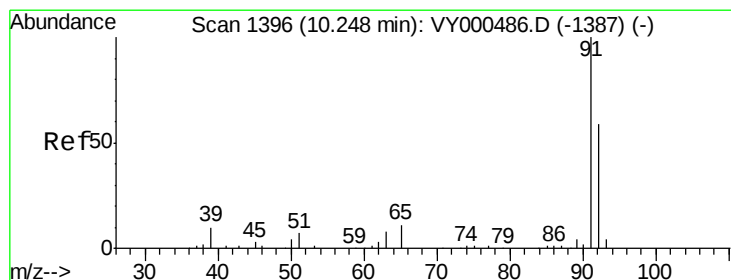
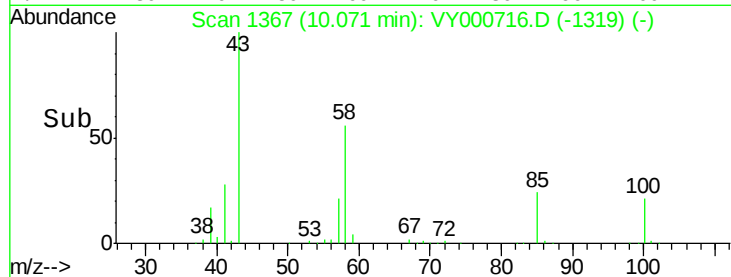
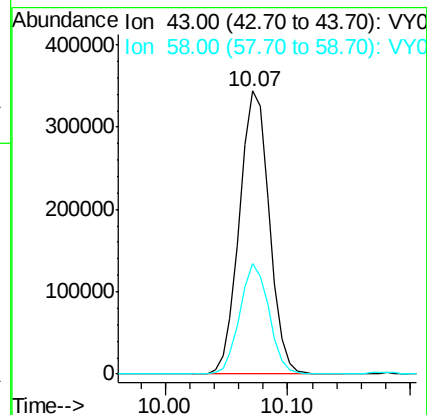
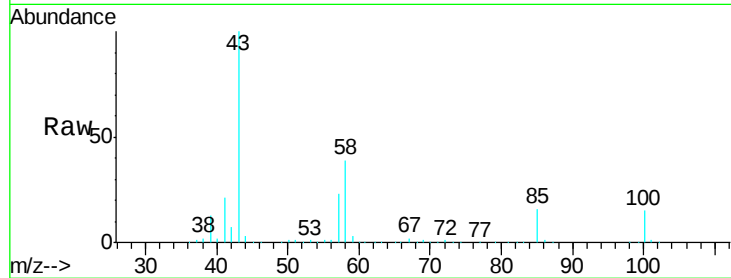
58 38.2 30.2 45.4

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11/18/2019 3:24:05 PM



#52

Toluene

Concen: 55.523 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000716.D

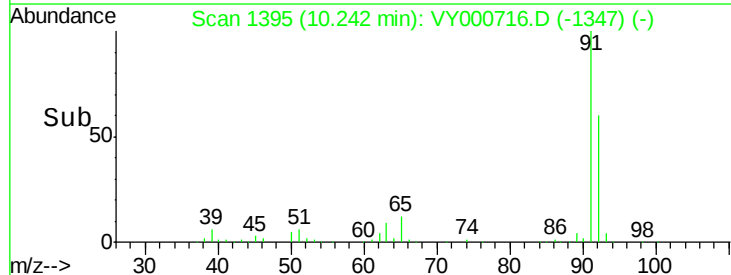
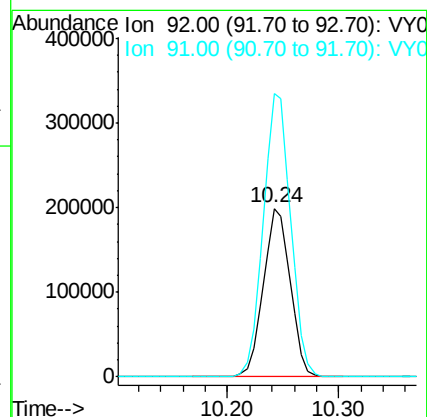
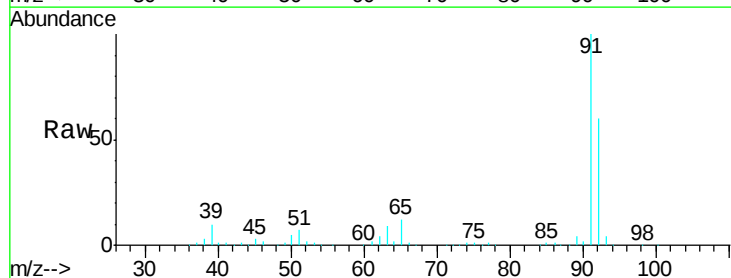
Acq: 15 Nov 2019 20:46

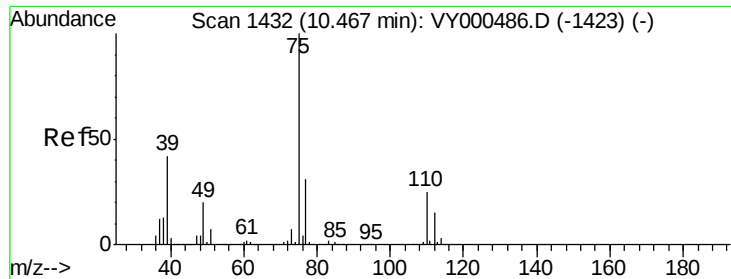
Tgt Ion: 92 Resp: 336285

Ion Ratio Lower Upper

92 100

91 170.5 136.3 204.5





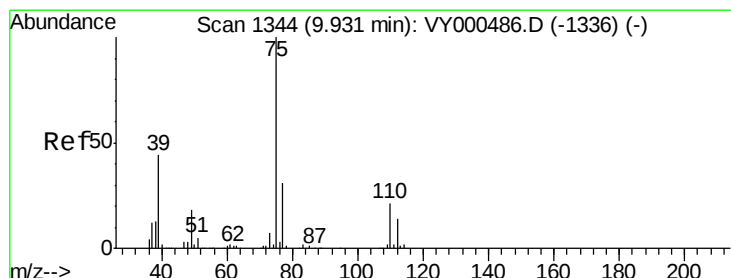
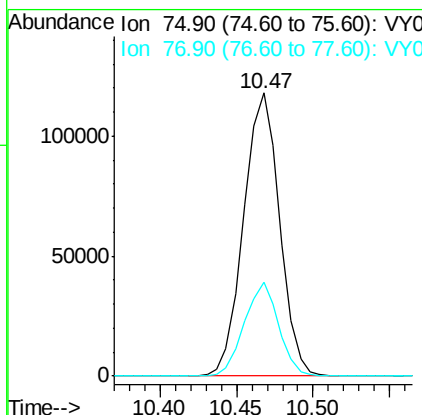
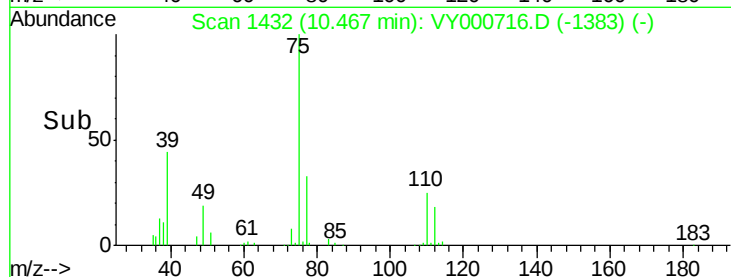
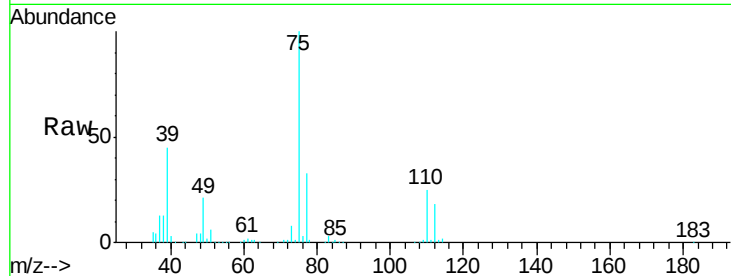
#53
t-1,3-Dichloropropene
Concen: 58.679 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 192908
Ion Ratio Lower Upper
75 100
77 33.1 24.6 37.0

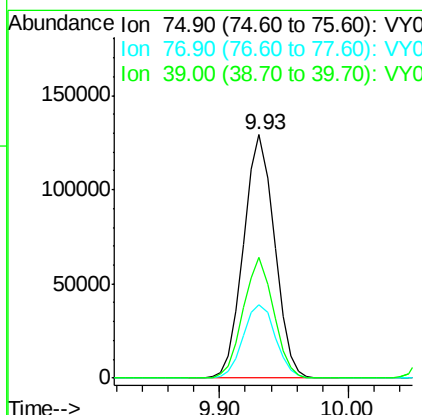
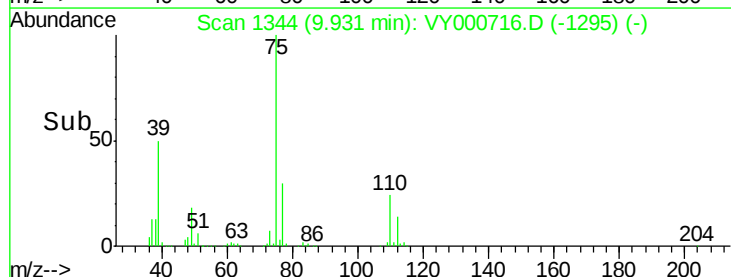
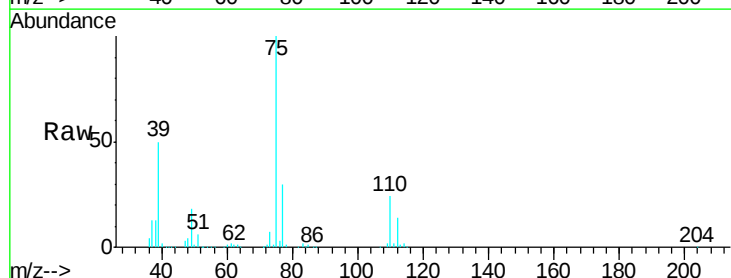
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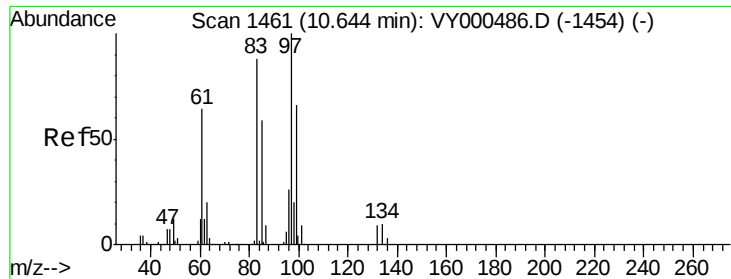
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#54
cis-1,3-Dichloropropene
Concen: 57.046 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion: 75 Resp: 214845
Ion Ratio Lower Upper
75 100
77 30.4 24.5 36.7
39 49.7 35.4 53.2





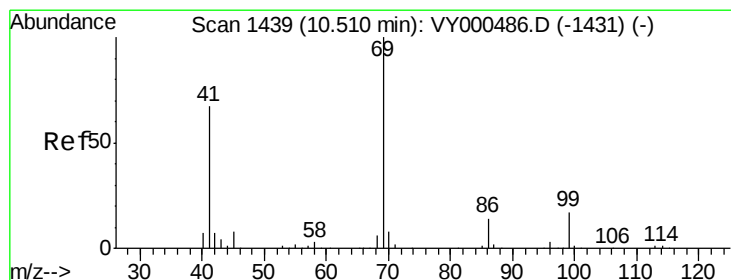
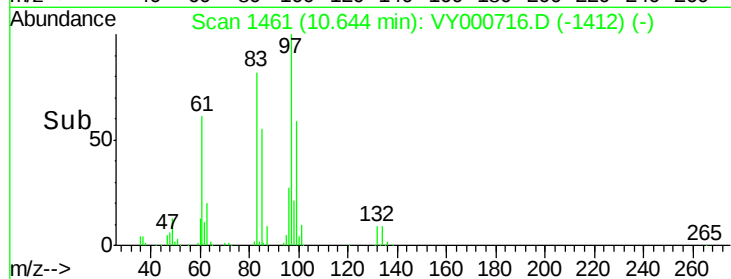
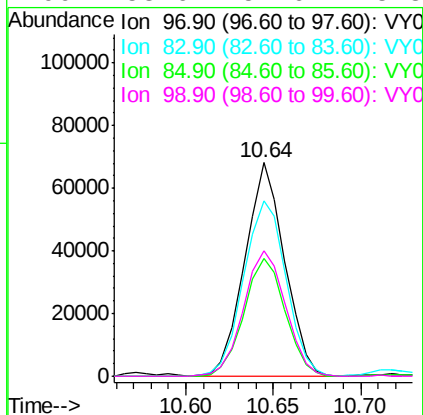
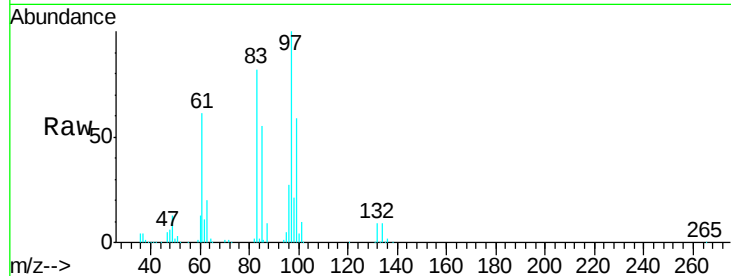
#55
1,1,2-Trichloroethane
Concen: 57.453 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	107752		
83	82.4	70.2	105.4	
85	55.1	46.9	70.3	
99	58.6	52.6	78.8	

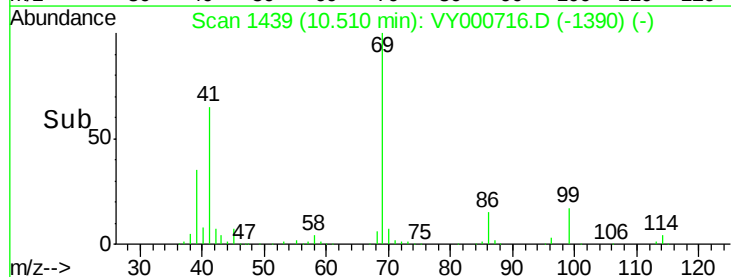
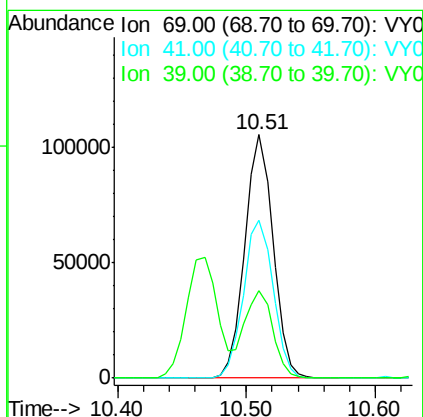
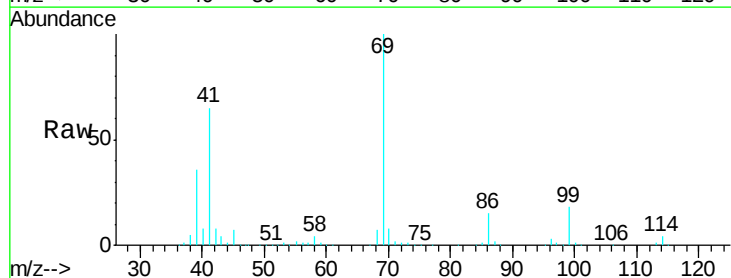
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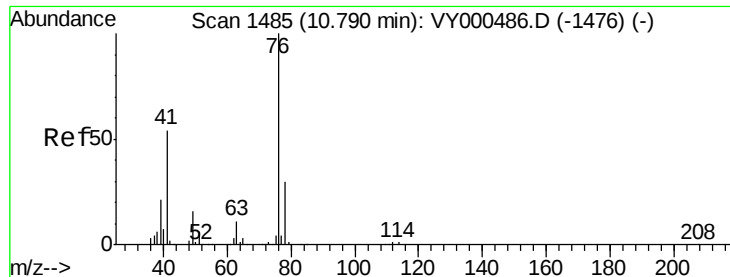
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#56
Ethyl methacrylate
Concen: 60.099 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	159754		
41	67.8	53.3	79.9	
39	36.9	28.0	42.0	





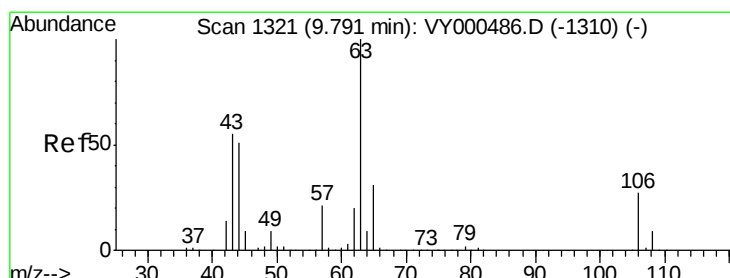
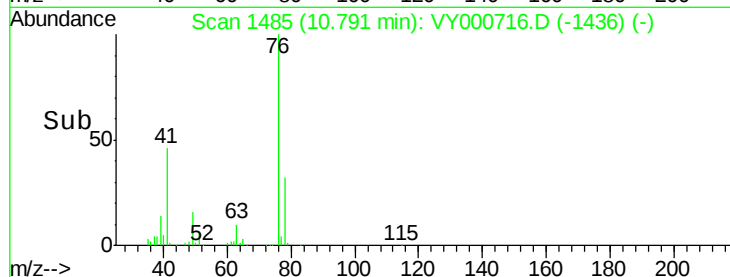
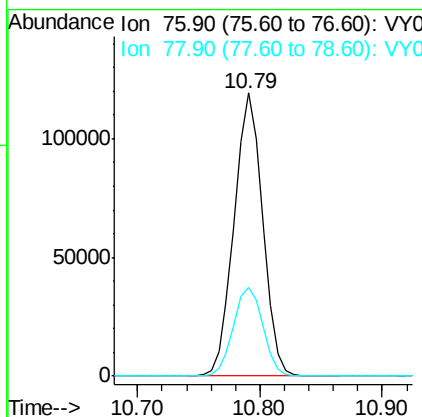
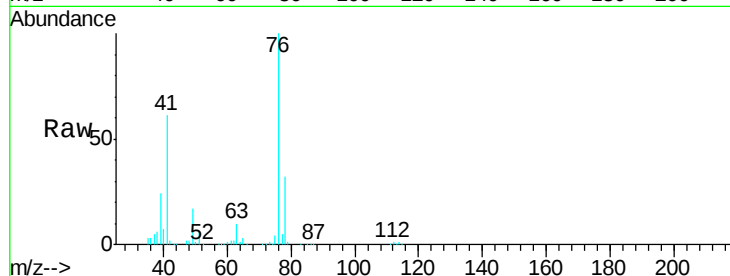
#57
 1,3-Dichloropropane
 Concen: 58.617 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 192410
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8

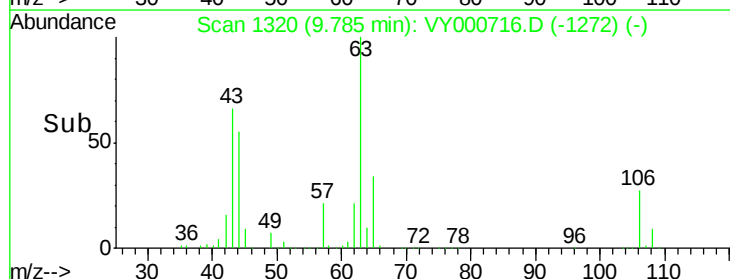
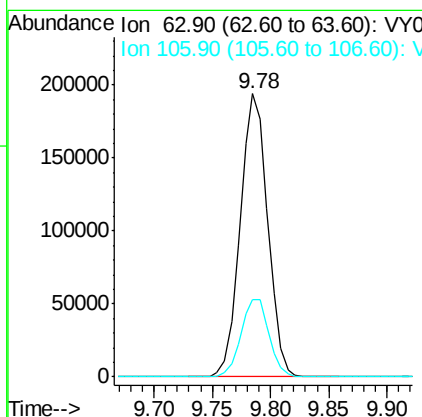
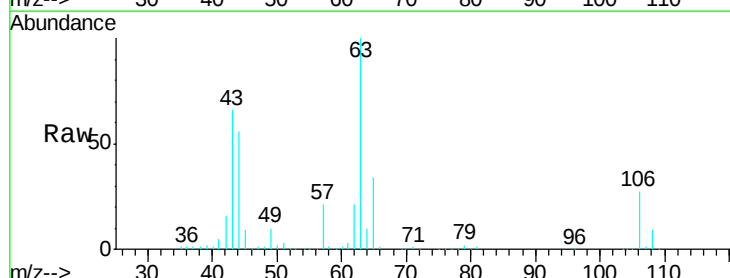
Manual Integrations
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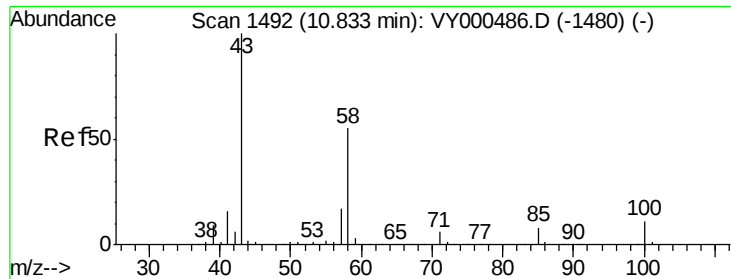
MMDadoda
 11/18/2019 3:24:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.815 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion: 63 Resp: 319441
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 33.8





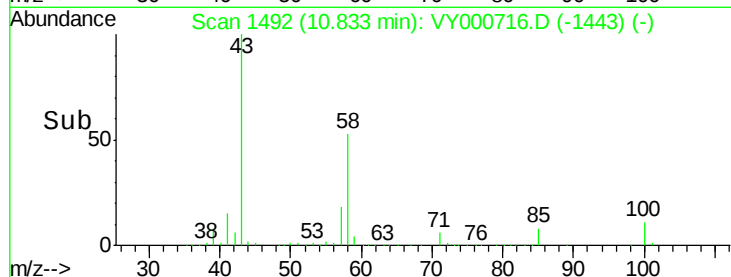
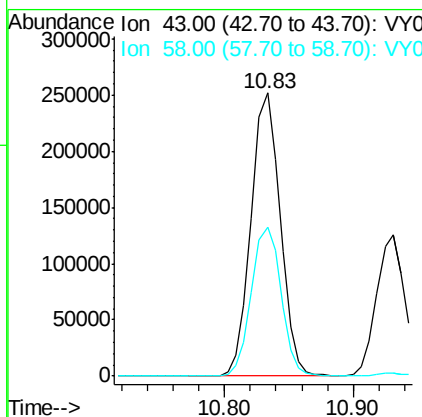
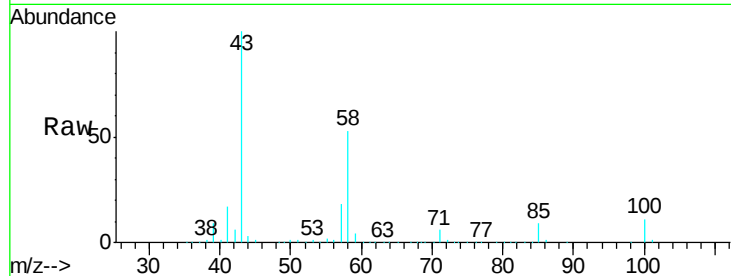
#59
2-Hexanone
Concen: 279.423 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 394459
Ion Ratio Lower Upper
43 100
58 53.6 27.1 81.3

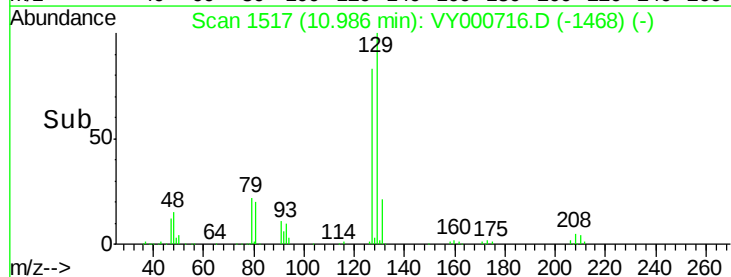
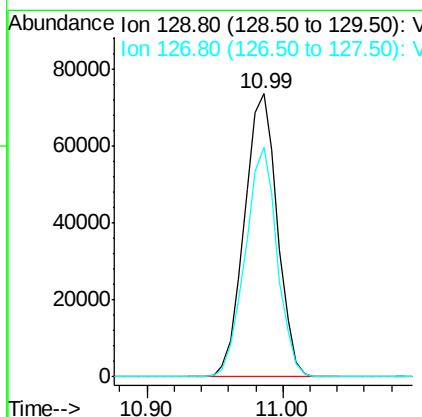
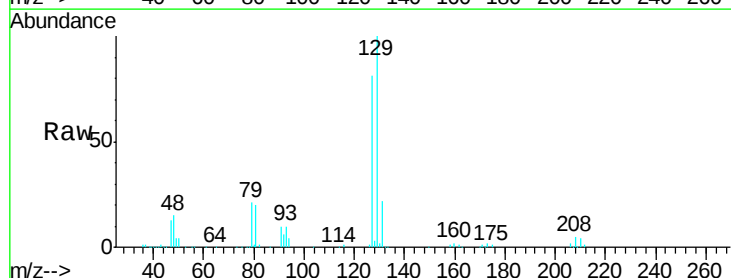
Manual Integrations
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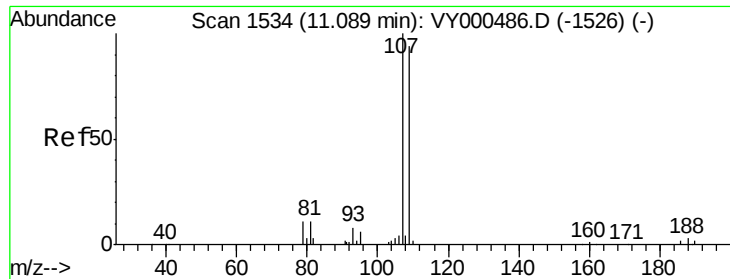
MMDadoda
11/18/2019 3:24:05 PM



#60
Dibromochloromethane
Concen: 58.083 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion: 129 Resp: 124776
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





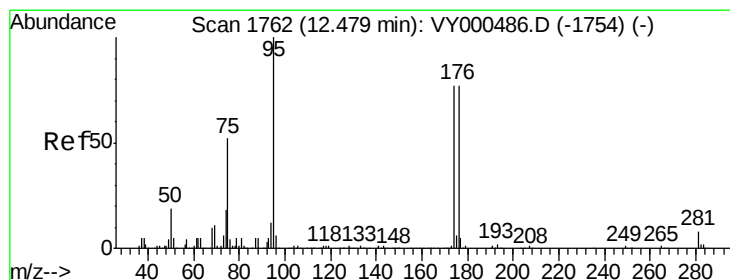
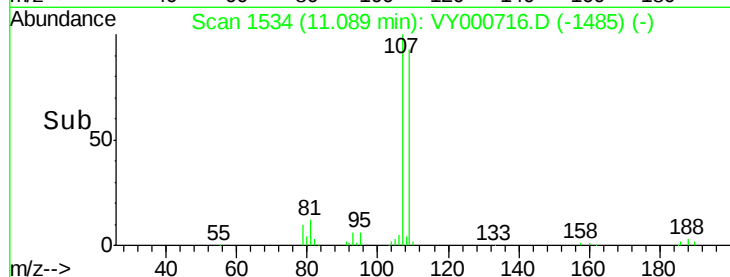
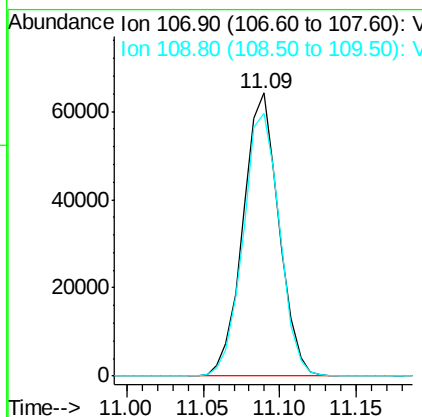
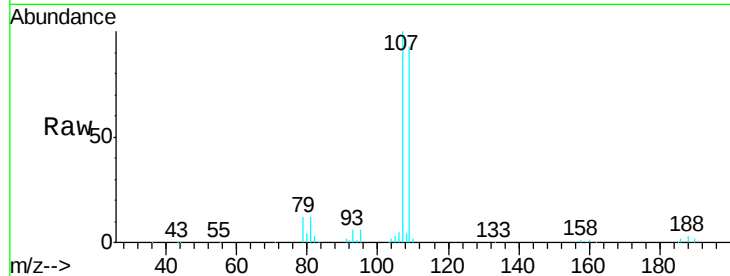
#61
 1,2-Dibromoethane
 Concen: 57.887 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 104387
 Ion Ratio Lower Upper
 107 100
 109 94.4 73.6 110.4

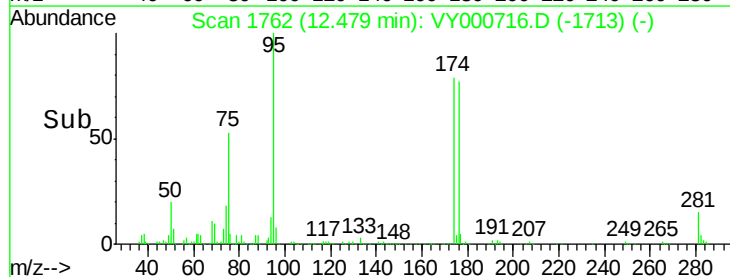
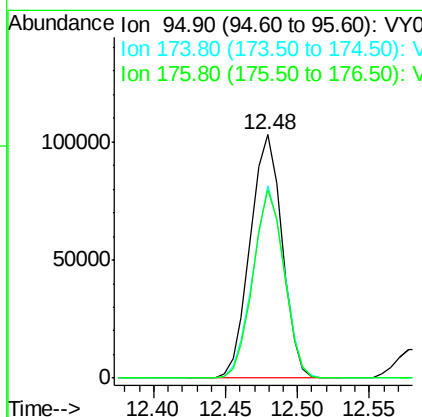
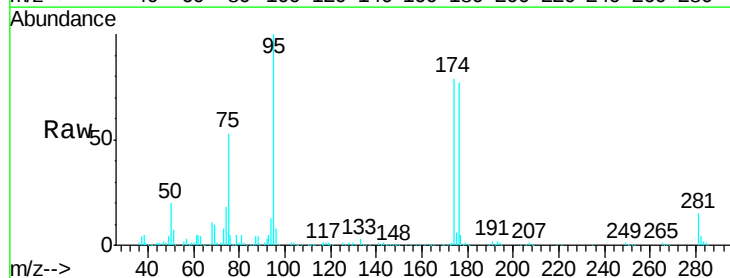
Manual Integrations
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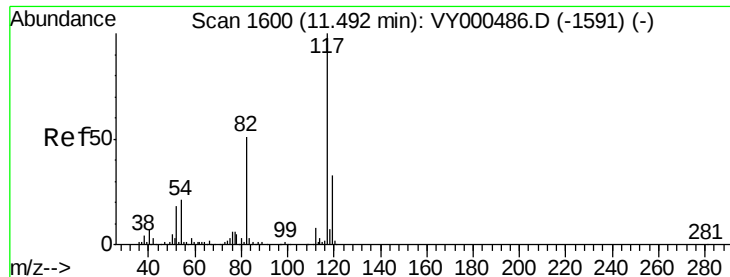
MMDadoda
 11/18/2019 3:24:05 PM



#62
 4-Bromofluorobenzene
 Concen: 53.798 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion: 95 Resp: 157692
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 161.6
 176 75.5 0.0 157.8





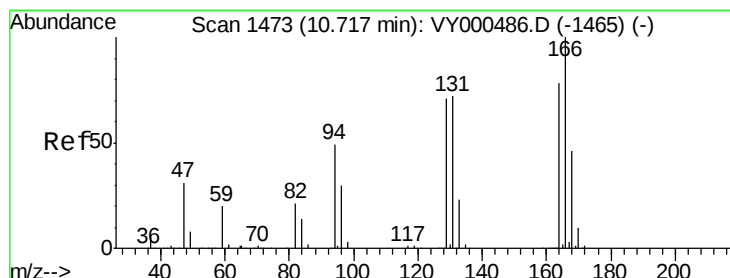
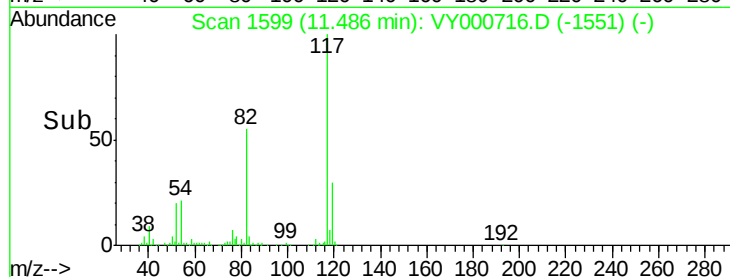
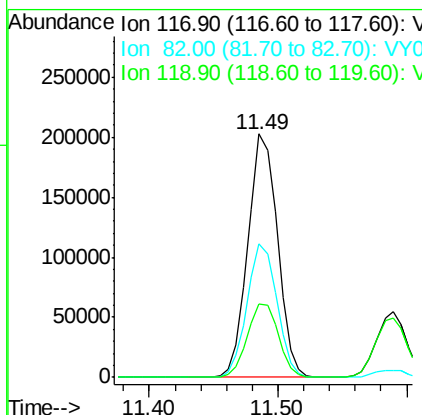
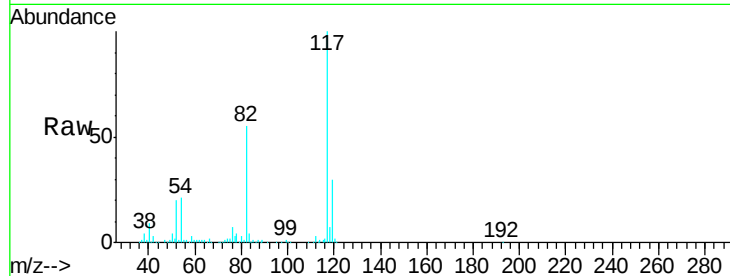
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	320781		
82	55.0		40.8	61.2
119	30.0		26.2	39.2

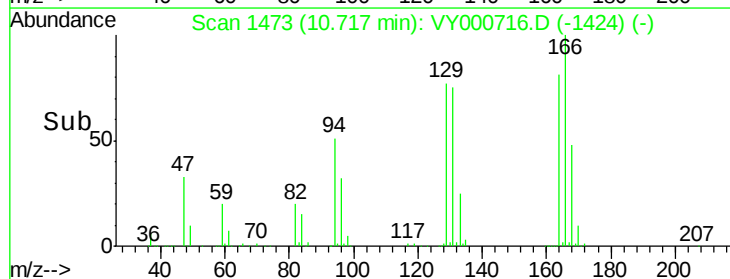
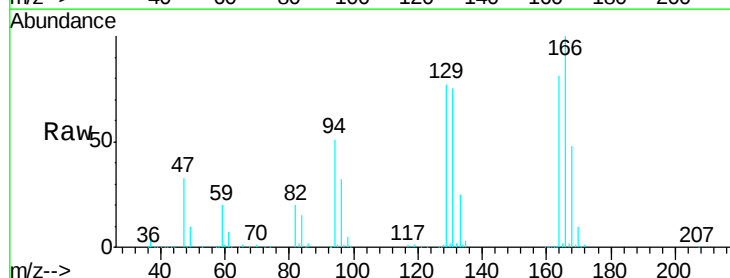
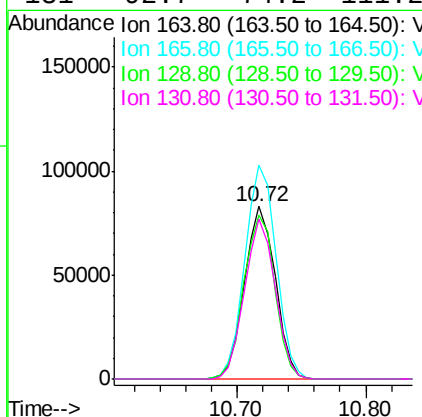
Manual Integrations
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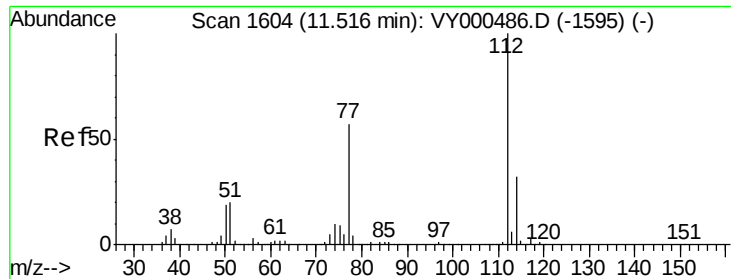
MMDadoda
11/18/2019 3:24:05 PM



#64
Tetrachloroethene
Concen: 51.604 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136877		
166	123.7		102.7	154.1
129	95.0		73.2	109.8
131	92.7		74.2	111.2





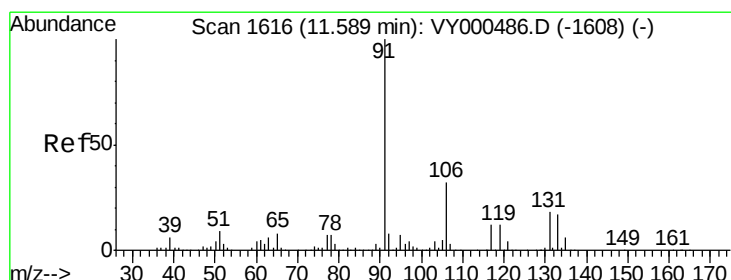
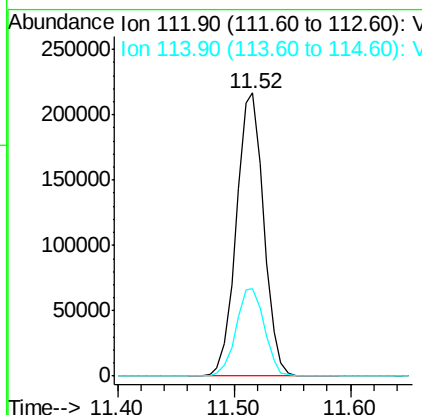
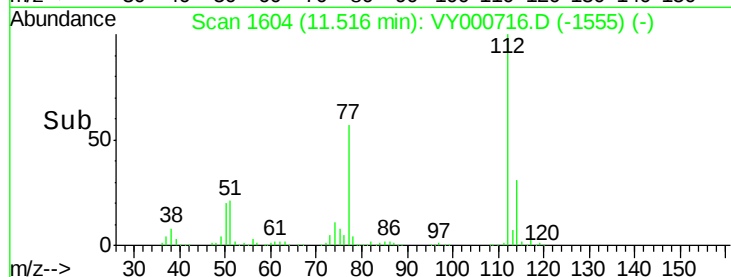
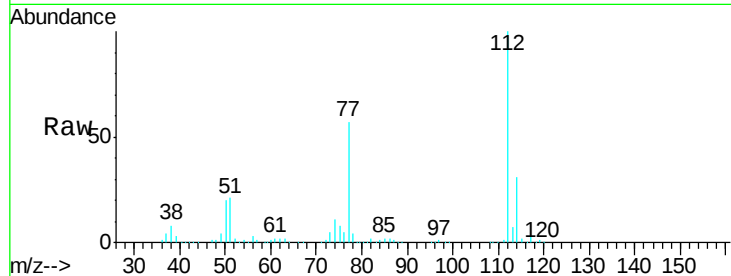
#65
Chlorobenzene
Concen: 54.470 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 354263
Ion Ratio Lower Upper
112 100
114 30.7 25.3 37.9

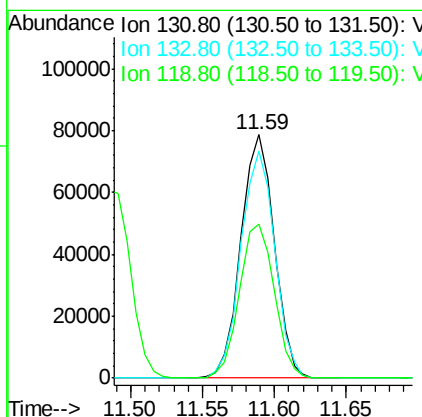
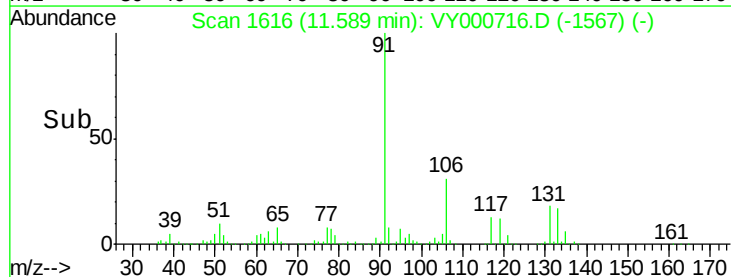
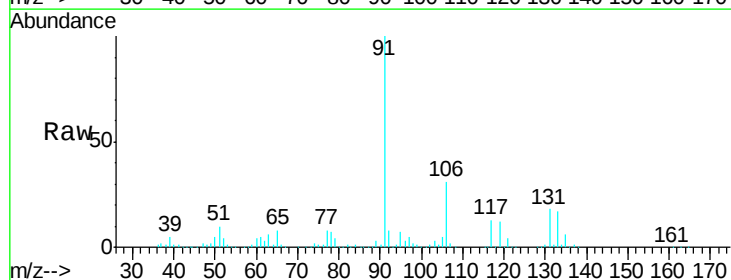
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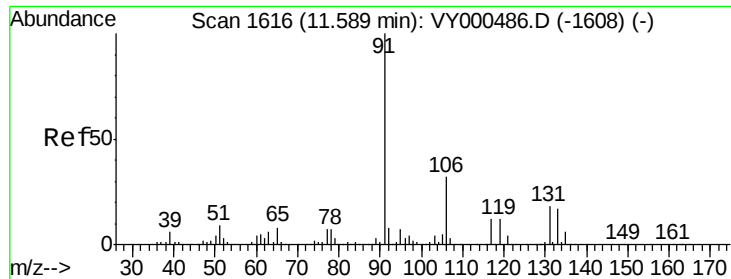
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.095 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion:131 Resp: 126528
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 66.2 33.1 99.3





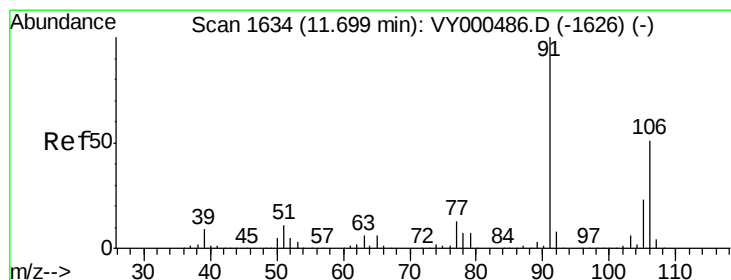
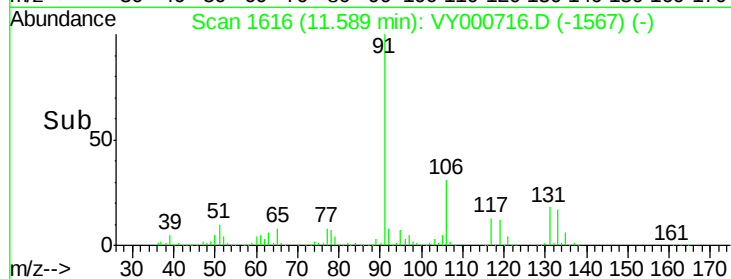
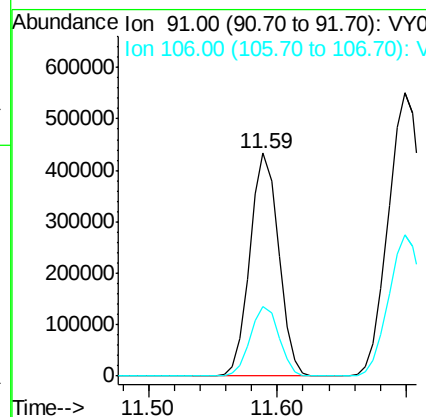
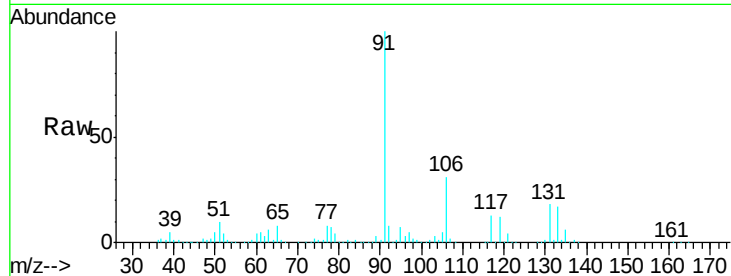
#67
Ethyl Benzene
Concen: 55.467 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 663925
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

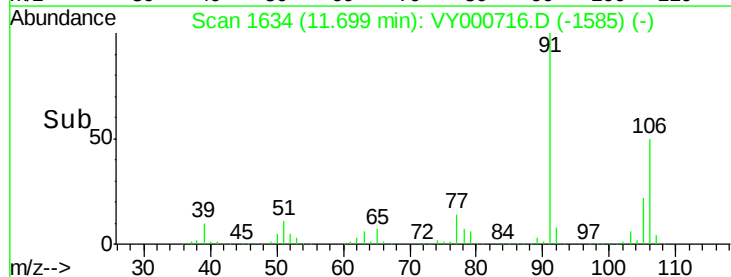
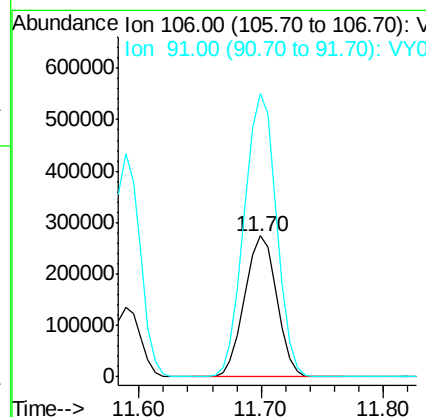
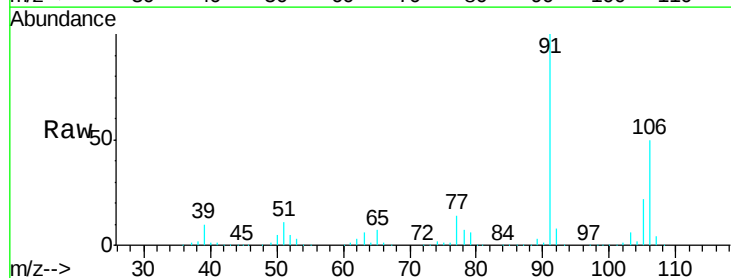
Manual Integrations
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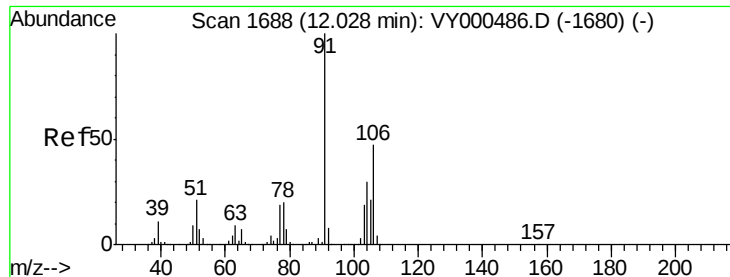
MMDadoda
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#68
m/p-Xylenes
Concen: 108.456 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion: 106 Resp: 502451
Ion Ratio Lower Upper
106 100
91 201.2 155.9 233.9





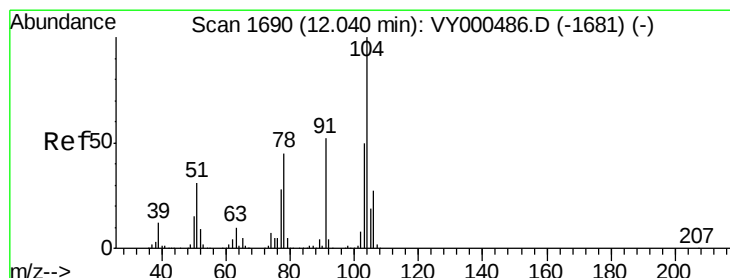
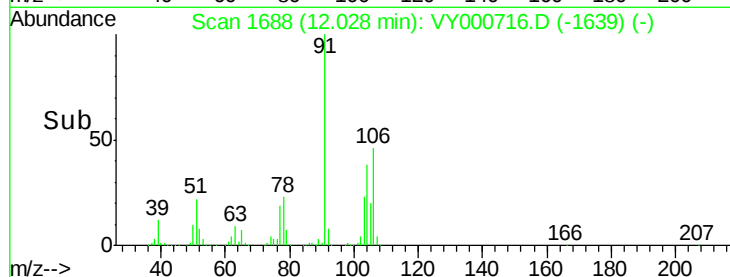
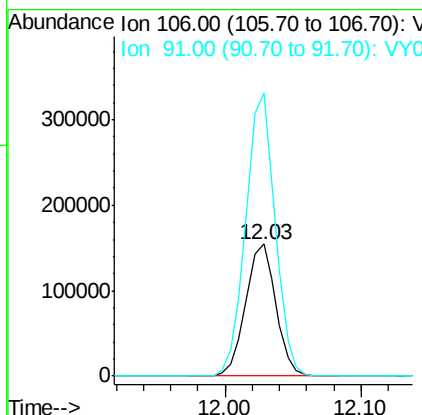
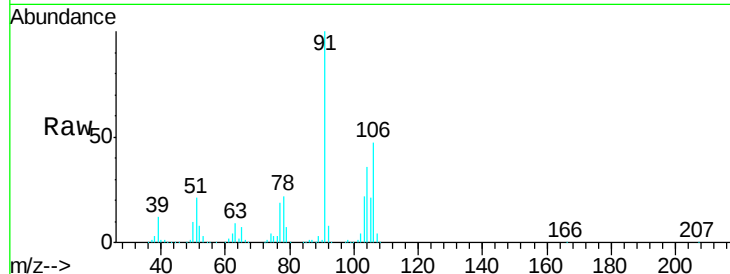
#69
o-Xylene
Concen: 55.058 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 239722
Ion Ratio Lower Upper
106 100
91 209.7 106.5 319.6

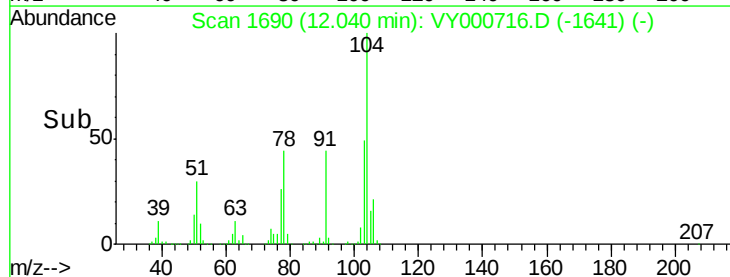
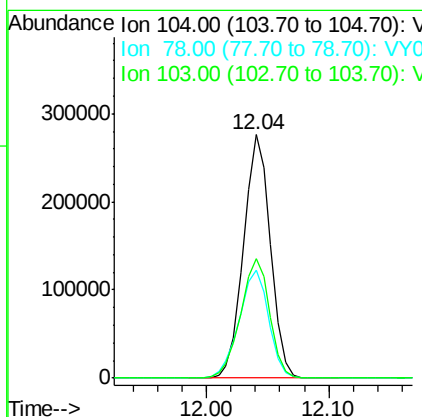
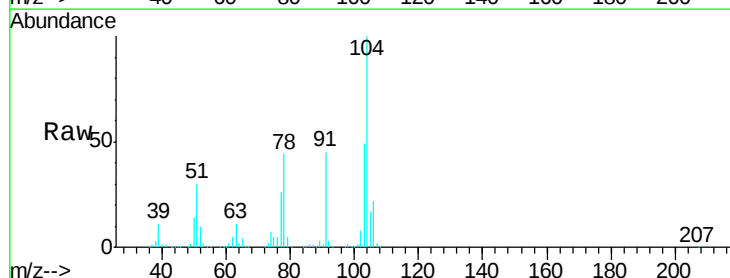
Manual Integrations
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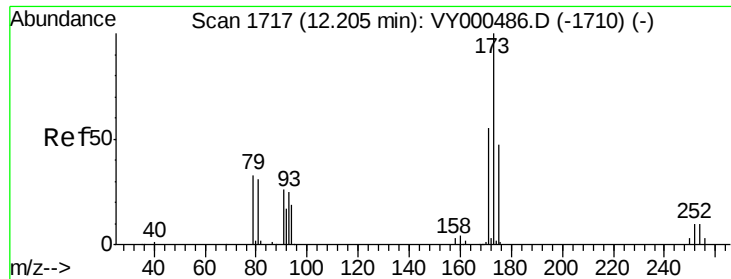
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#70
Styrene
Concen: 56.424 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion:104 Resp: 420675
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.4
103 53.1 42.5 63.7





#71

Bromoform

Concen: 57.949 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 75180

Ion Ratio Lower Upper

173 100

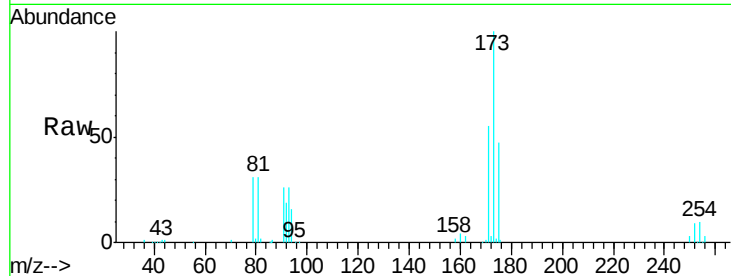
175 47.0 24.4 73.2

254 0.1 0.1 0.1#

Manual Integrations
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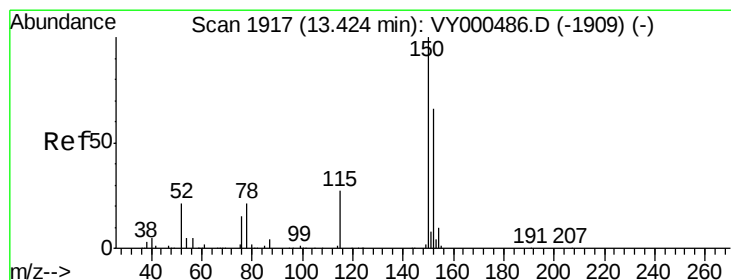
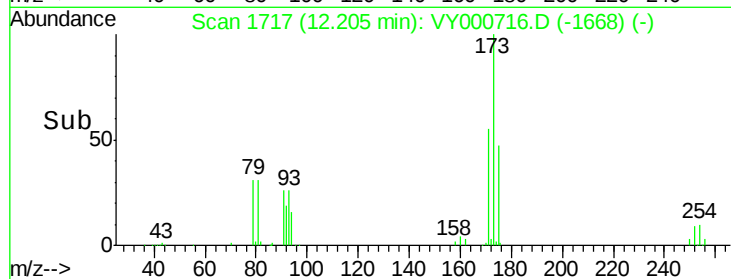
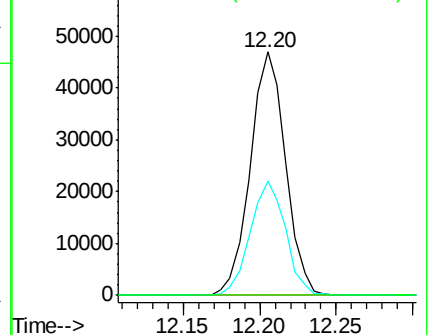
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

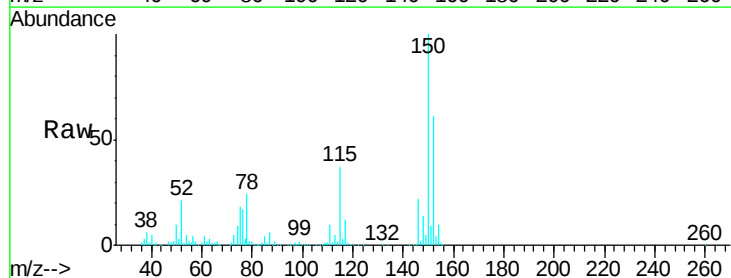
Tgt Ion:152 Resp: 160413

Ion Ratio Lower Upper

152 100

115 59.9 29.1 87.4

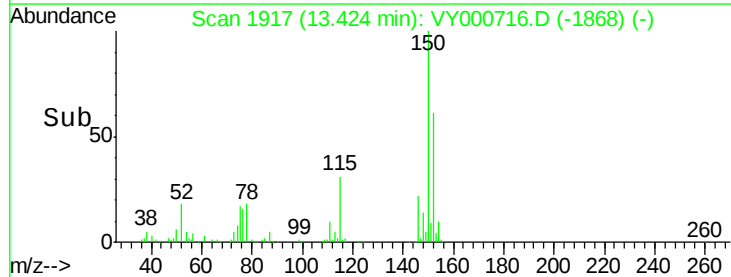
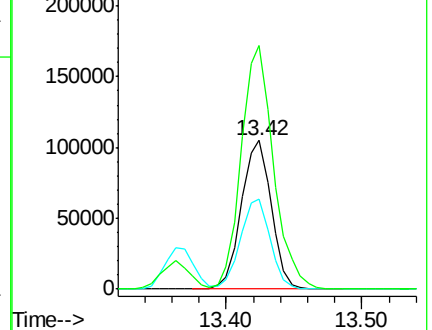
150 177.0 0.0 348.8

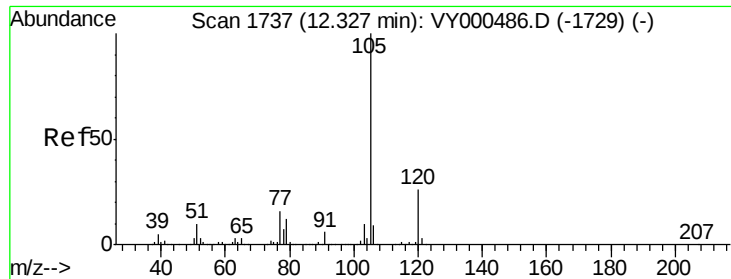


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.176 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 654156

Ion Ratio Lower Upper

105 100

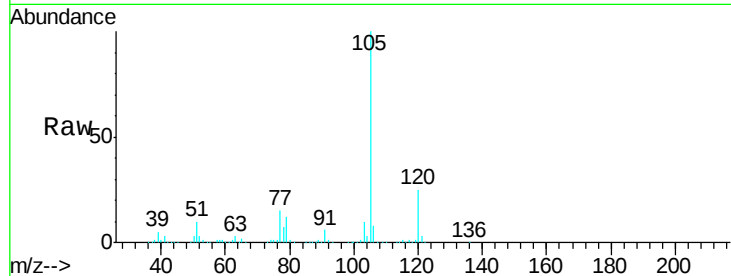
120 25.7 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

400000

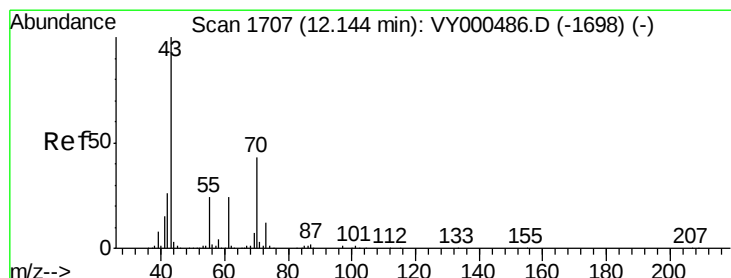
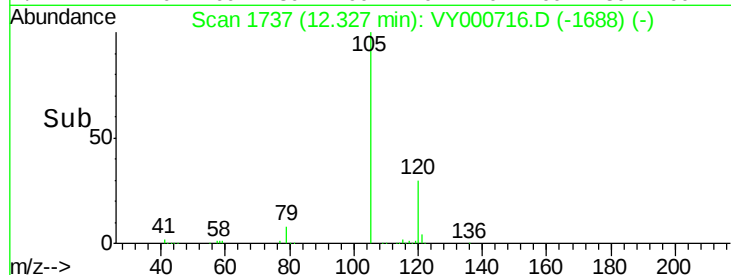
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.607 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion: 43 Resp: 195601

Ion Ratio Lower Upper

43 100

70 41.1 33.1 49.7

55 23.0 18.0 27.0

61 24.0 19.1 28.7

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

200000

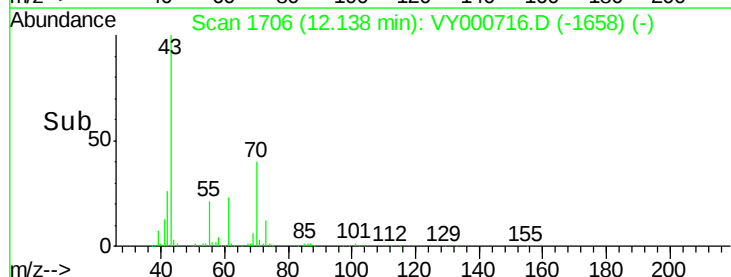
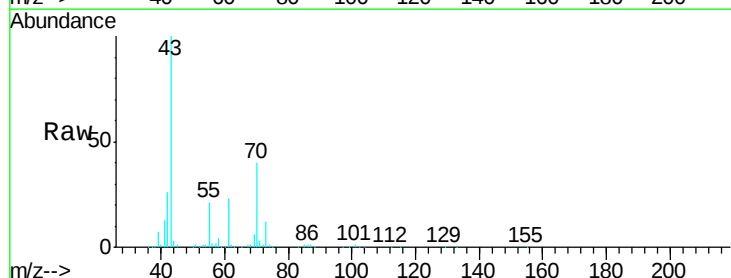
150000

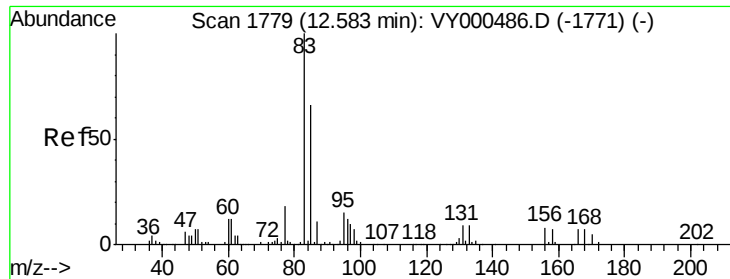
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.762 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

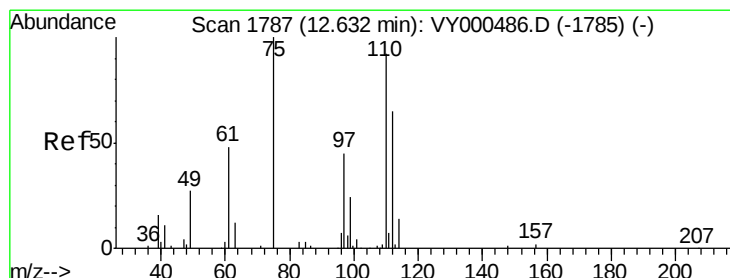
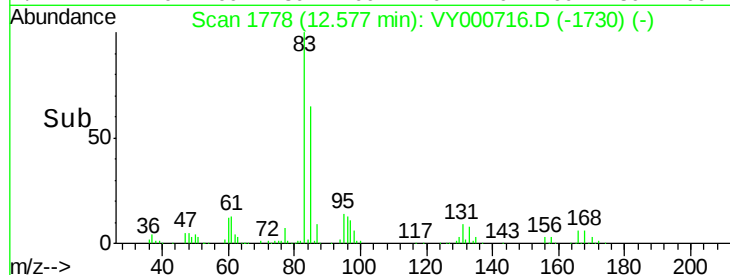
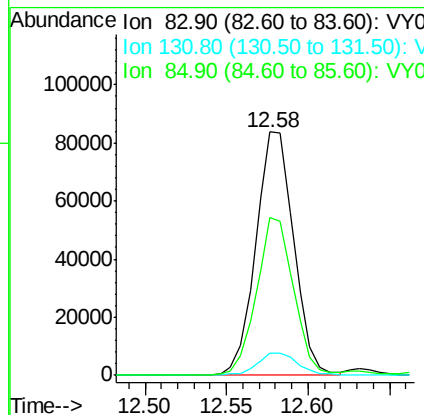
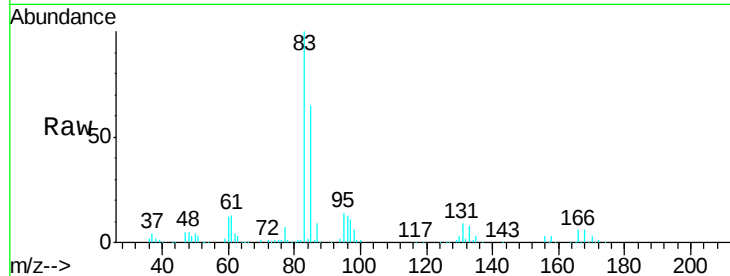
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	135593
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	63.4	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 49.660 ug/l m

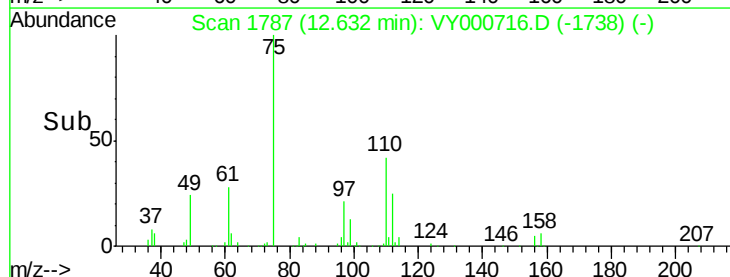
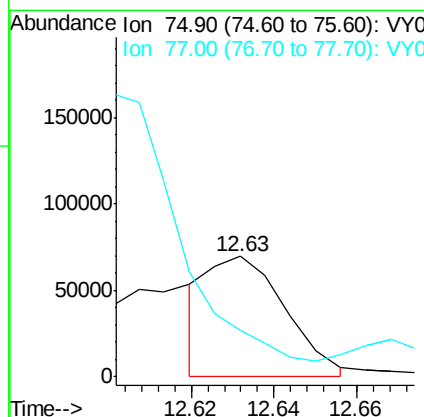
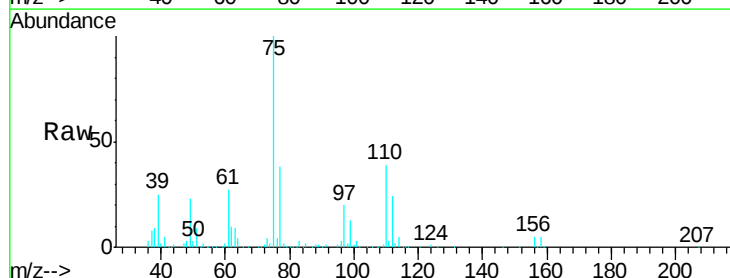
RT: 12.63 min Scan# 1787

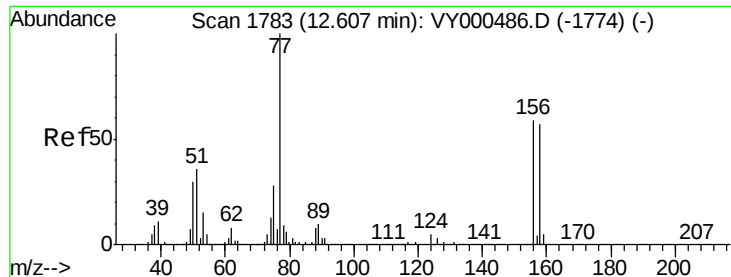
Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion:	75	Resp:	90705
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.324 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

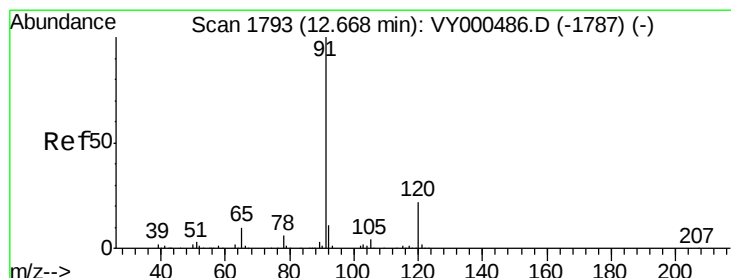
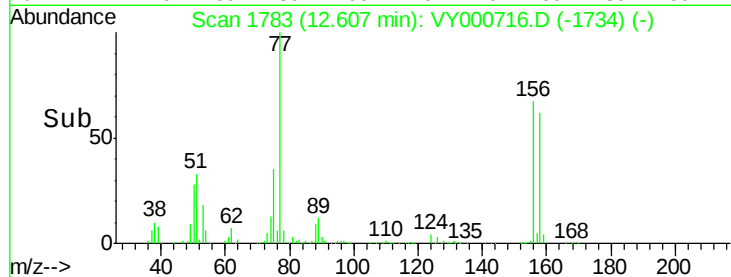
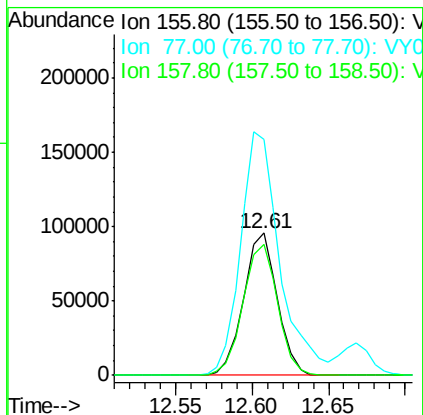
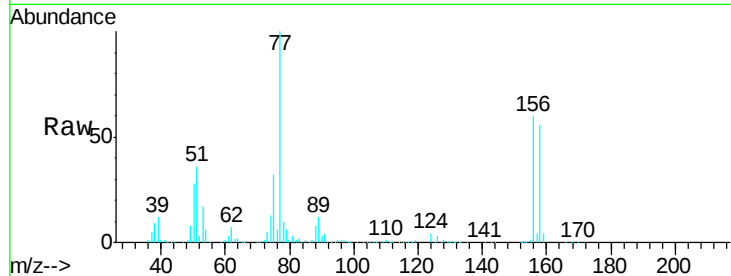
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	200.5	98.2	294.4
158	94.6	49.6	149.0

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#78

n-propylbenzene

Concen: 54.720 ug/l

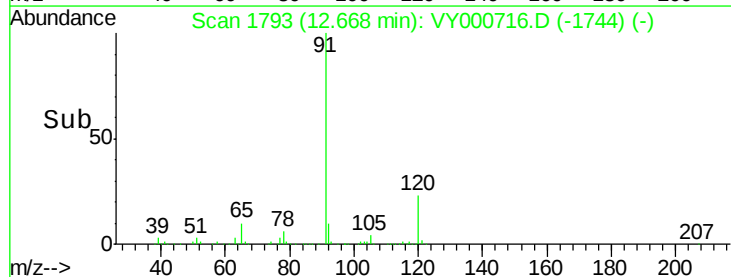
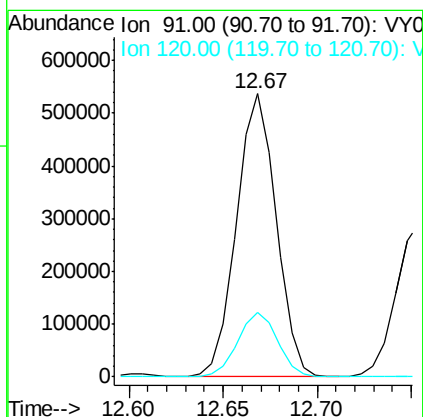
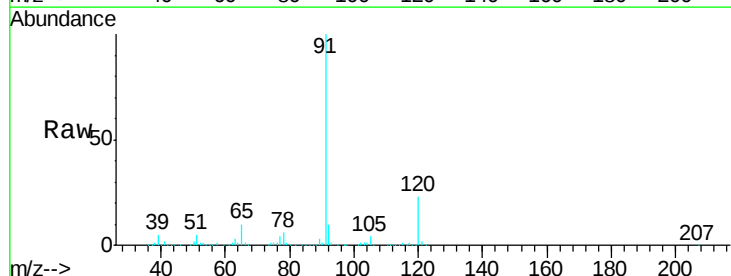
RT: 12.67 min Scan# 1793

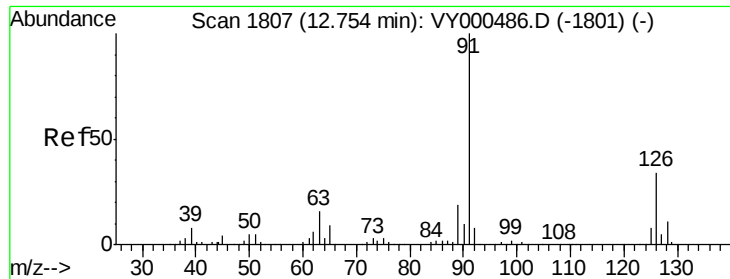
Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.1





#79

2-Chlorotoluene

Concen: 56.209 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 446384

Ion Ratio Lower Upper

91 100

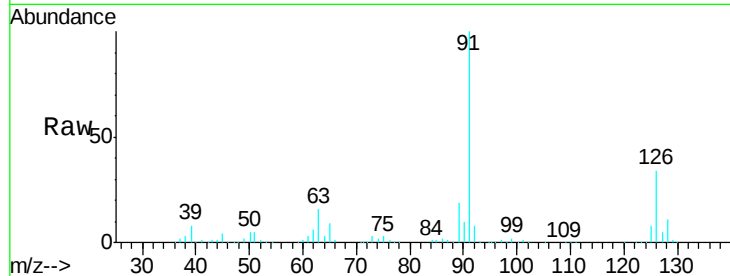
126 33.9 17.7 53.1

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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) (-)

500000

400000

300000

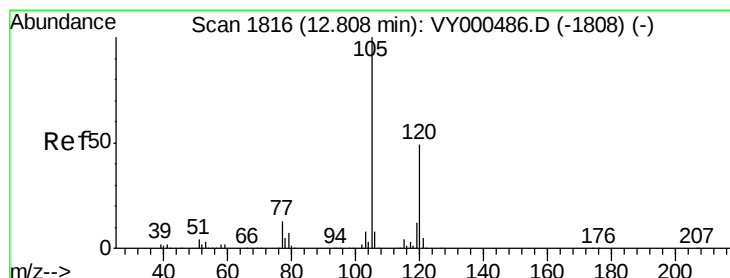
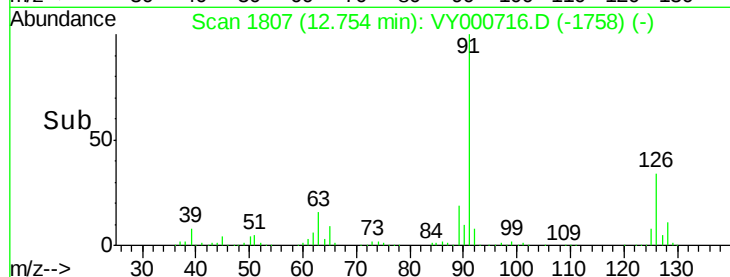
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.235 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000716.D

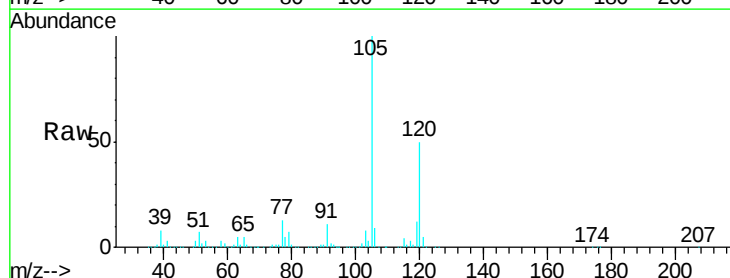
Acq: 15 Nov 2019 20:46

Tgt Ion: 105 Resp: 545394

Ion Ratio Lower Upper

105 100

120 49.5 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) (-)

400000

300000

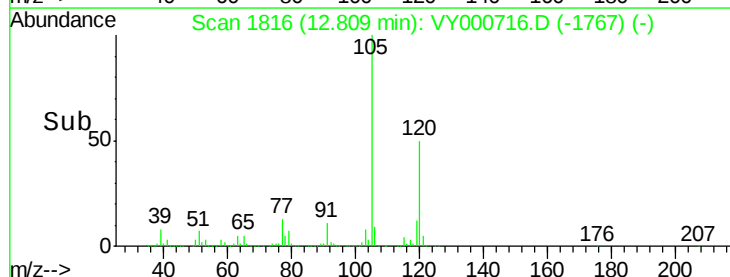
200000

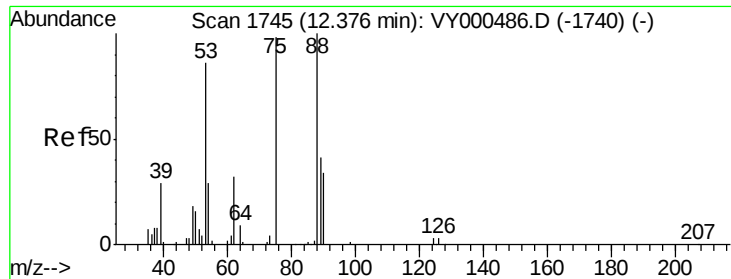
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 56.191 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

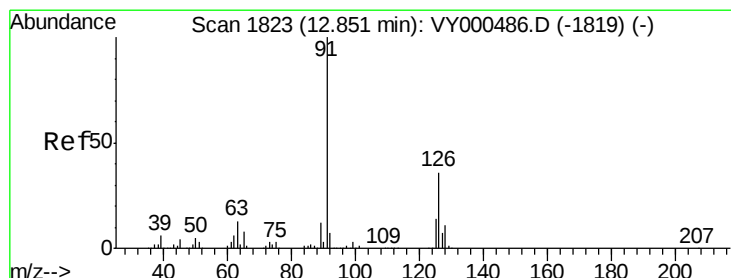
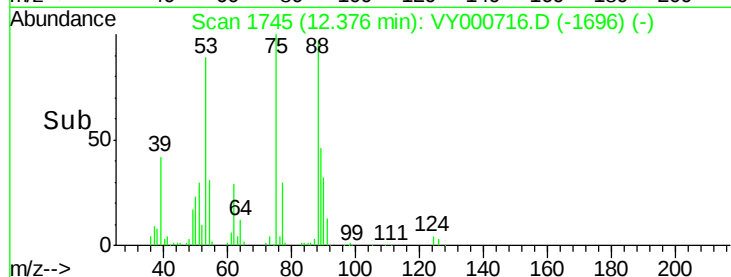
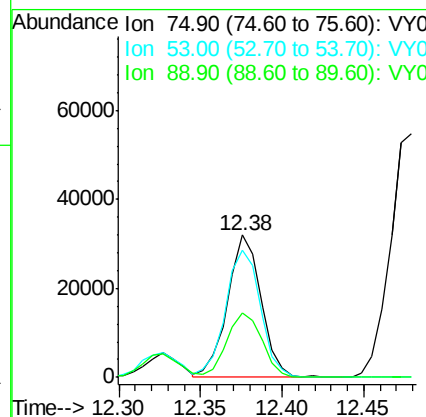
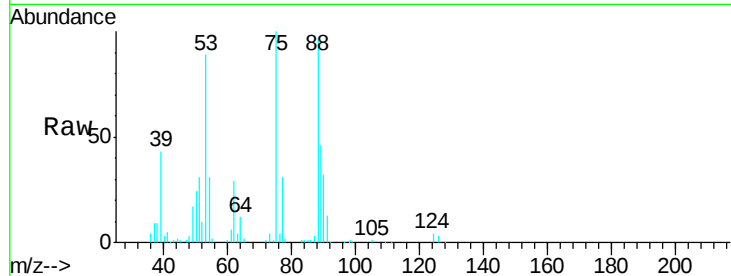
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	45775
Ion	Ratio	Lower	Upper
75	100		
53	93.4	73.2	109.8
89	47.6	35.9	53.9

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#82

4-Chlorotoluene

Concen: 55.950 ug/l

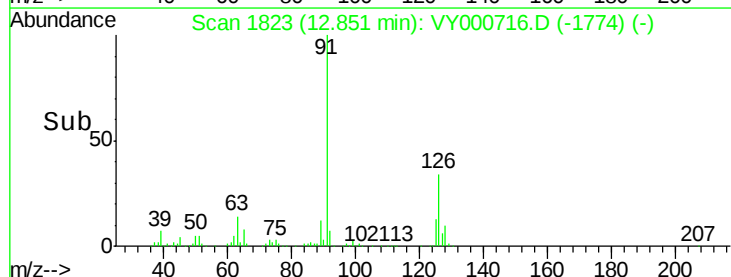
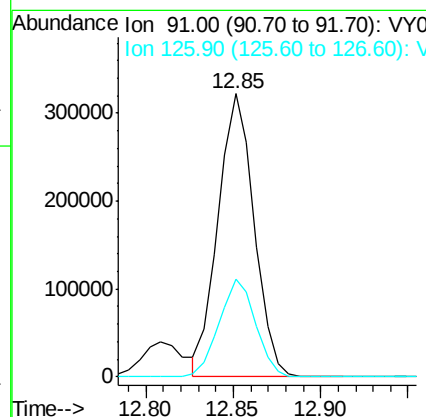
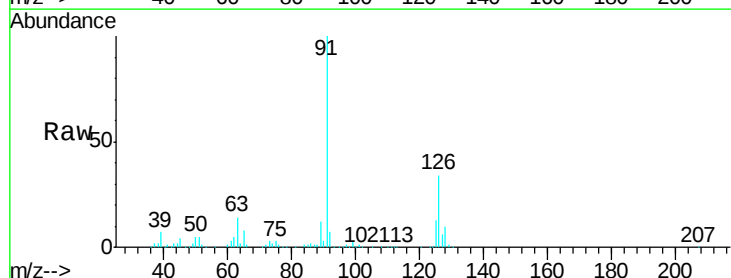
RT: 12.85 min Scan# 1823

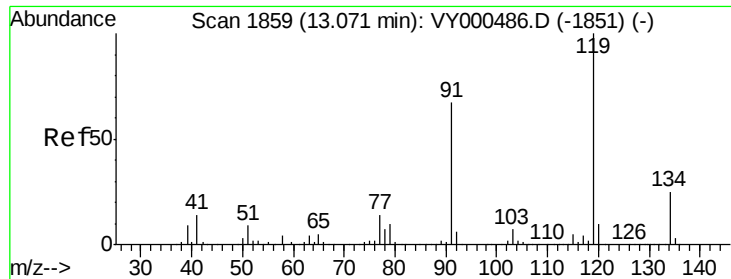
Delta R.T. 0.00 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Tgt Ion:	91	Resp:	460580
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.9





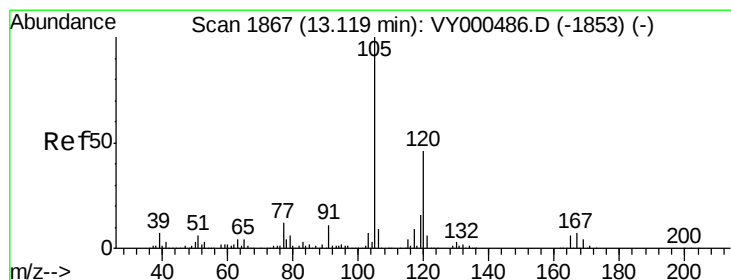
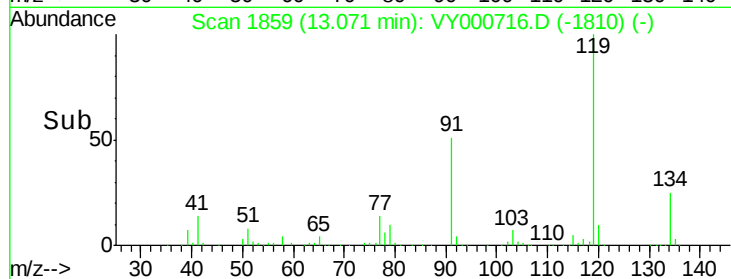
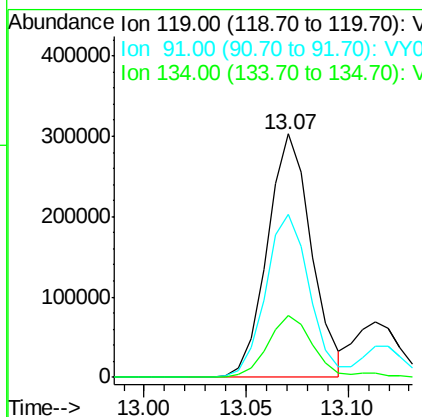
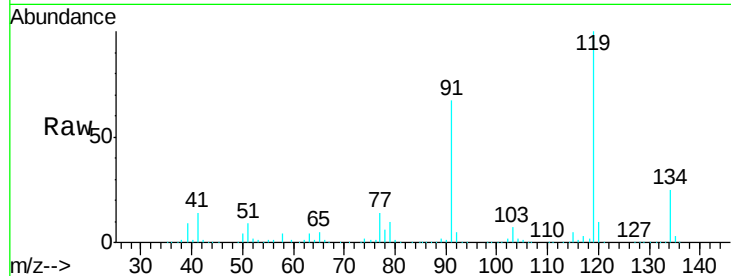
#83
 tert-Butylbenzene
 Concen: 53.947 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	454816		
91	67.7	32.1	96.3	
134	26.8	13.2	39.5	

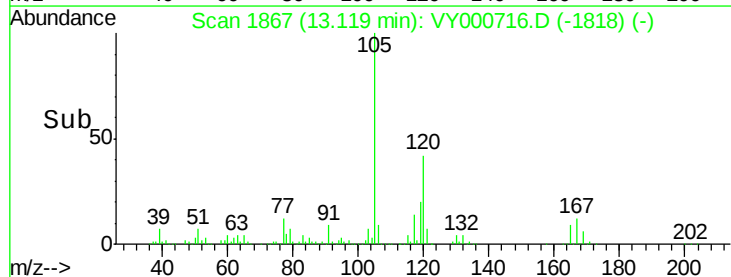
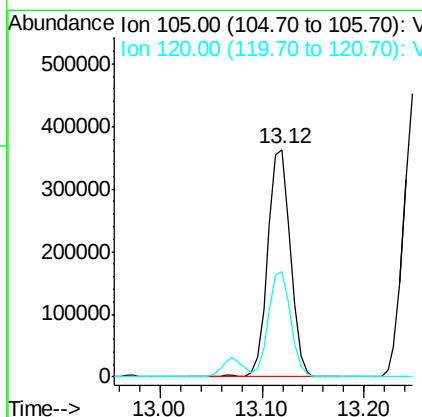
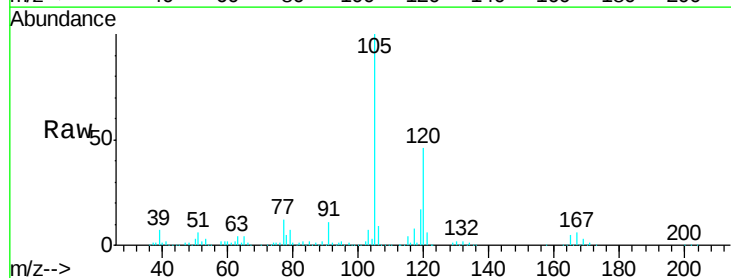
Manual Integrations
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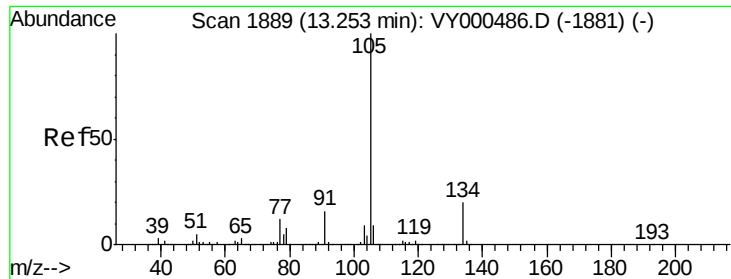
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.537 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	555828		
120	45.3	23.3	69.9	





#85

sec-Butylbenzene

Concen: 56.130 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 674212

Ion Ratio Lower Upper

105 100

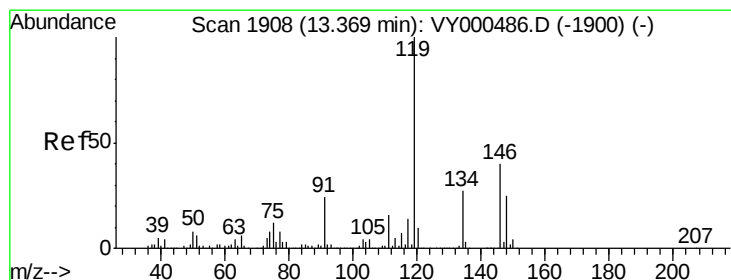
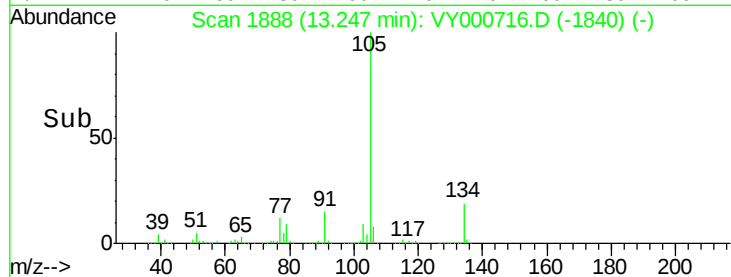
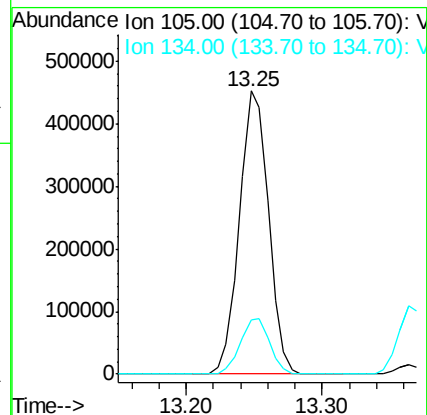
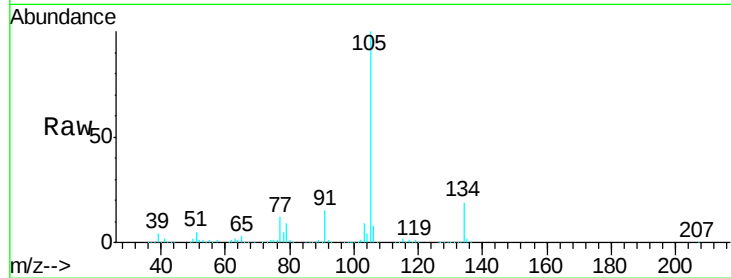
134 19.8 10.1 30.1

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11/18/2019 3:24:05 PM



#86

p-Isopropyltoluene

Concen: 55.327 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY000716.D

Acq: 15 Nov 2019 20:46

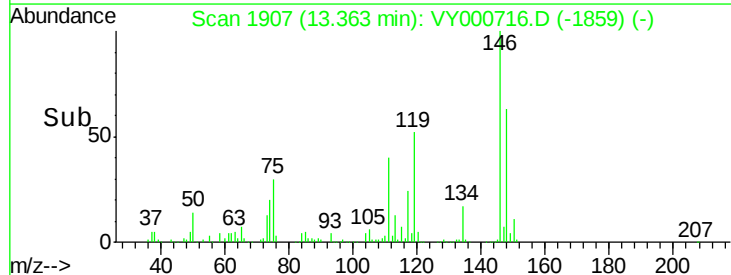
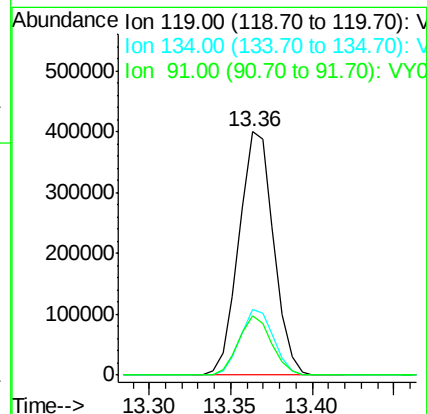
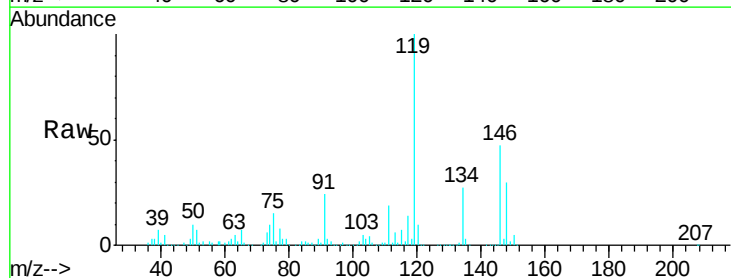
Tgt Ion:119 Resp: 592292

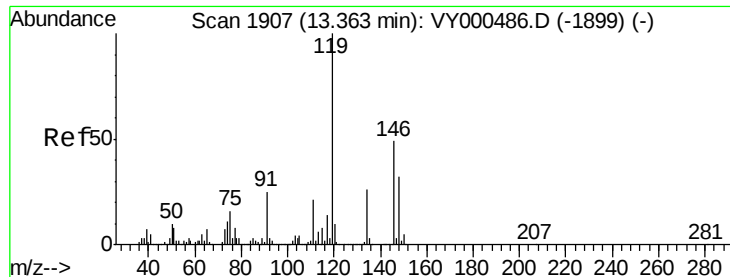
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 23.4 12.0 36.1





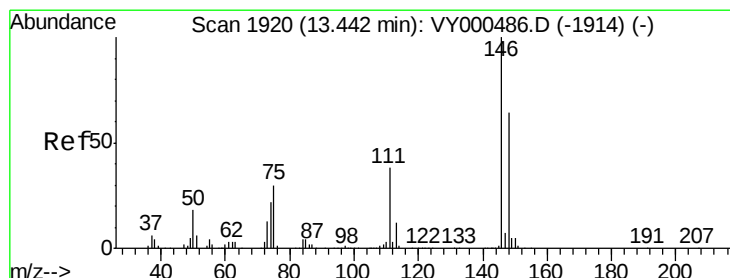
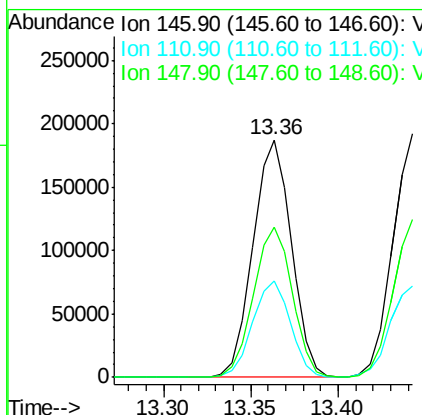
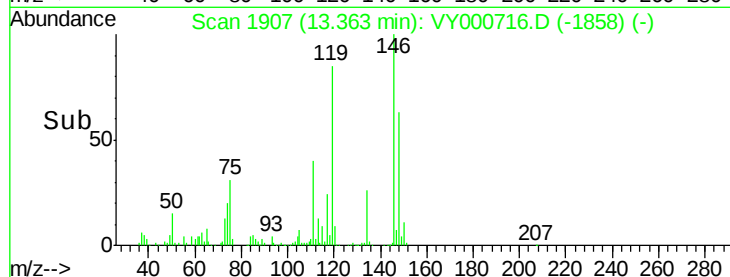
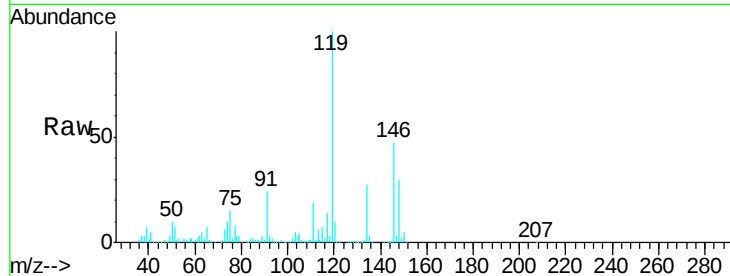
#87
1,3-Dichlorobenzene
Concen: 54.270 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	285788		
111	40.1	20.3	60.8	
148	63.8	31.5	94.5	

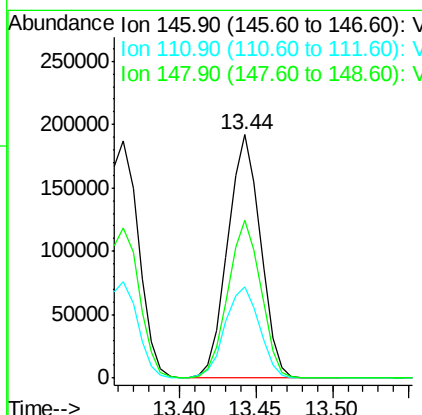
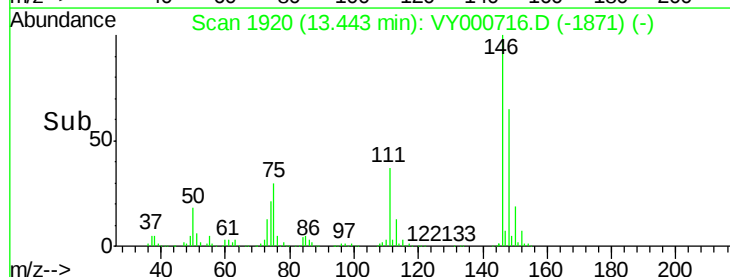
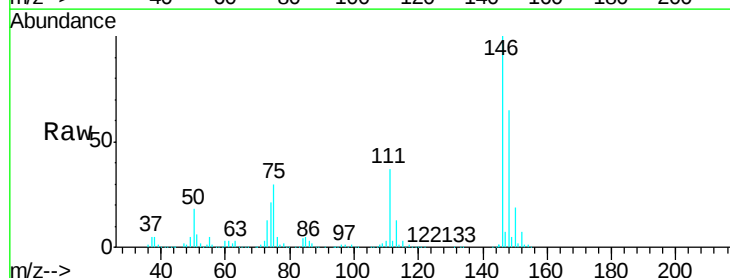
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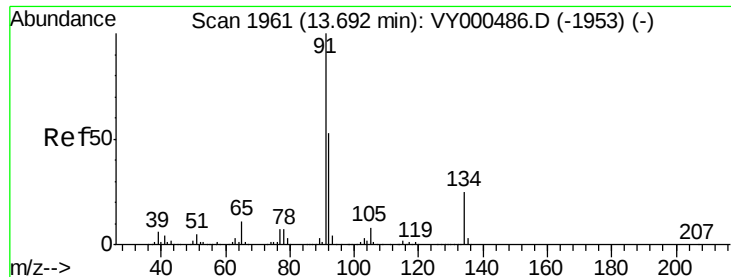
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#88
1,4-Dichlorobenzene
Concen: 54.363 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286066		
111	39.3	19.7	59.0	
148	65.1	31.9	95.7	





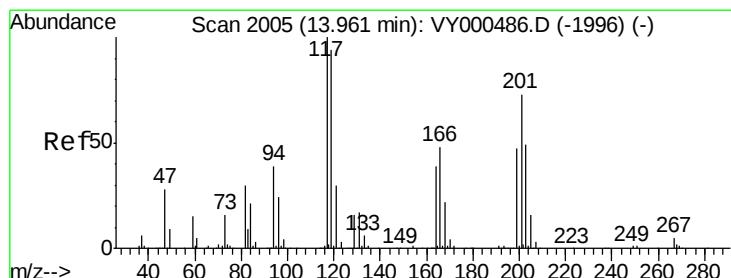
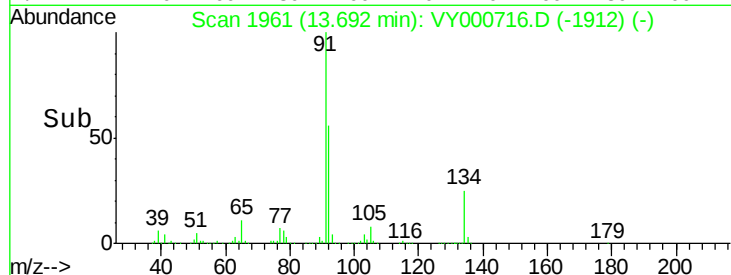
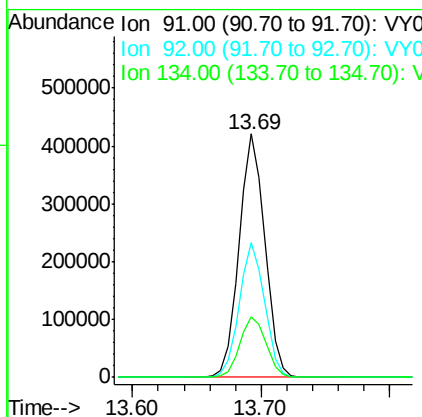
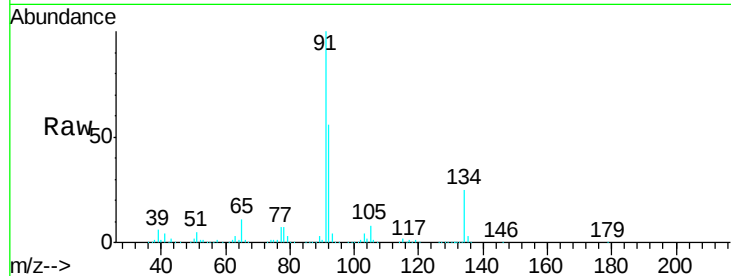
#89
n-Butylbenzene
Concen: 55.118 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 581967
Ion Ratio Lower Upper
91 100
92 54.4 26.8 80.3
134 25.3 12.9 38.7

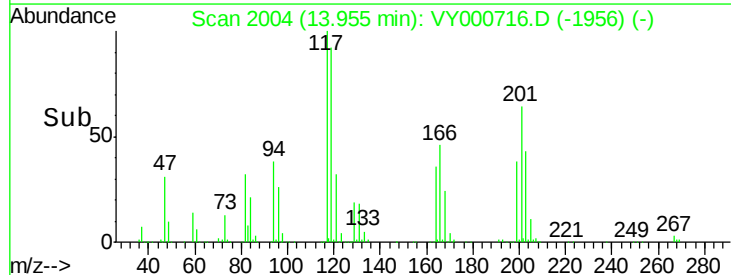
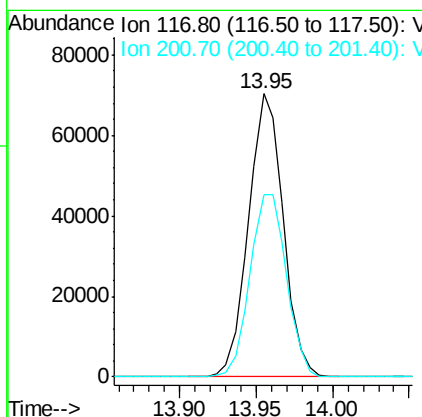
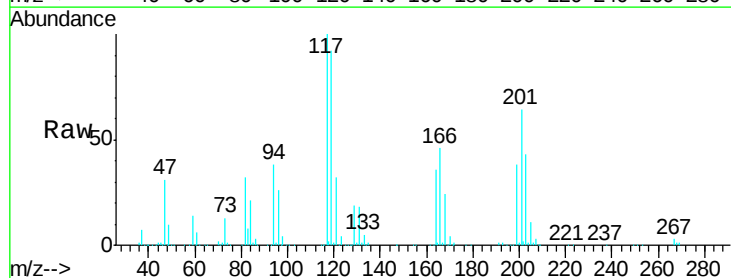
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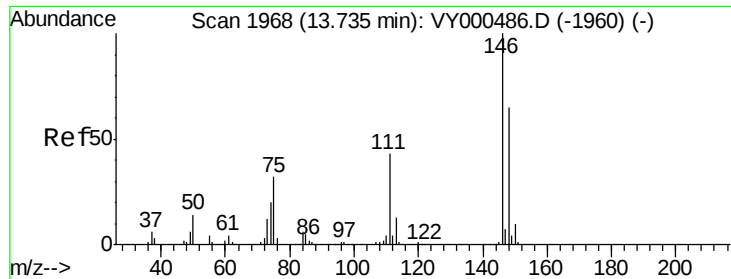
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#90
Hexachloroethane
Concen: 56.057 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion: 117 Resp: 110941
Ion Ratio Lower Upper
117 100
201 68.0 35.8 107.3





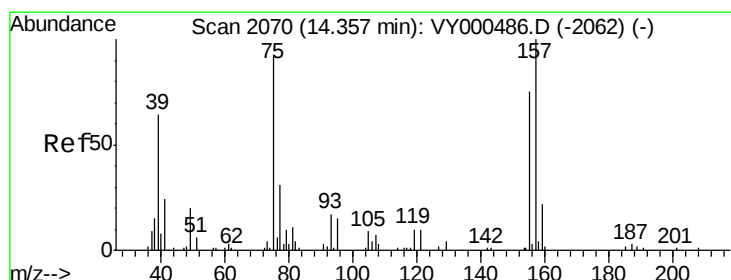
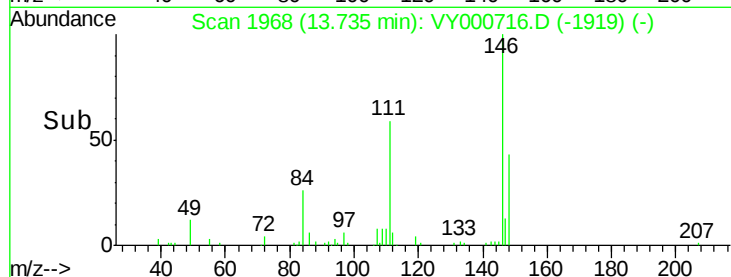
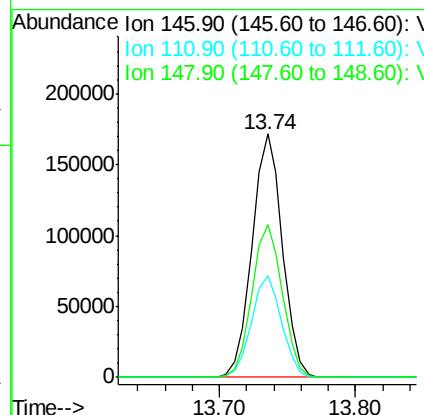
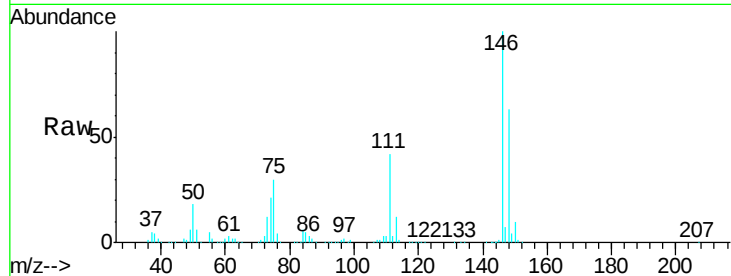
#91
 1,2-Dichlorobenzene
 Concen: 55.950 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.5
148	63.0	31.7	95.1

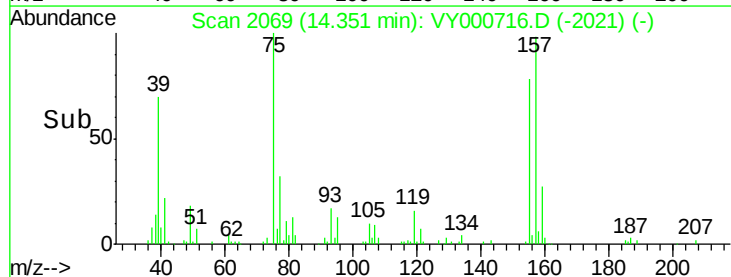
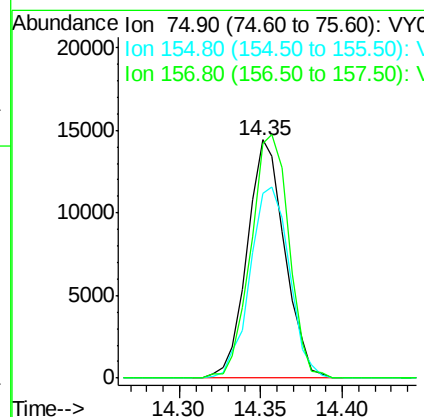
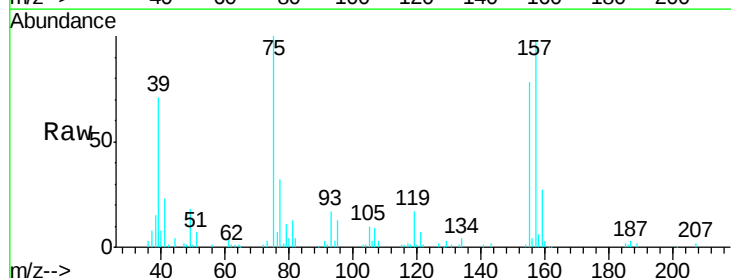
Manual Integrations
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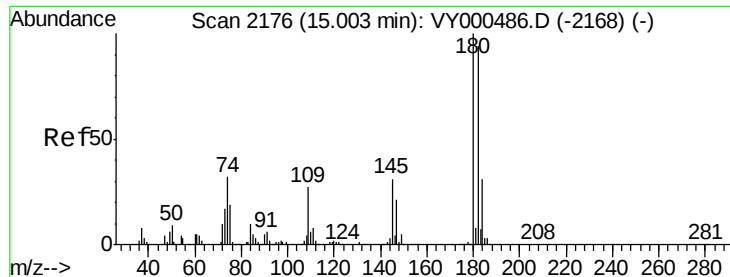
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 11/18/2019 3:24:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.723 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.2	42.4	127.1
157	103.5	55.1	165.3





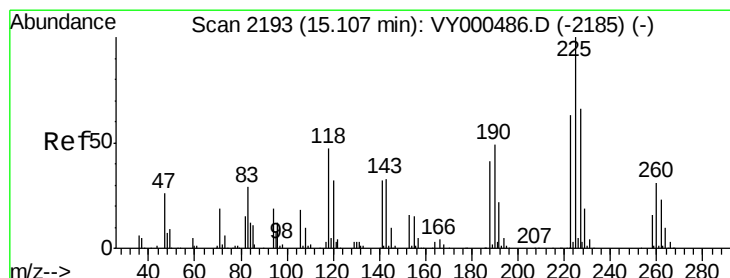
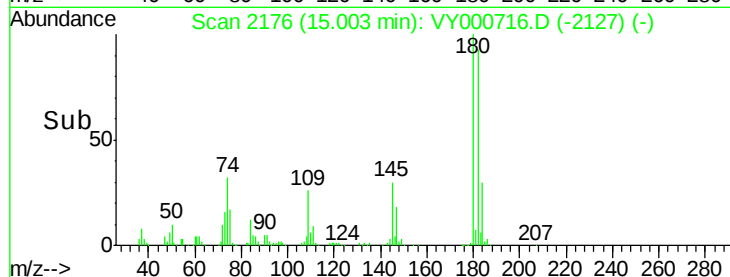
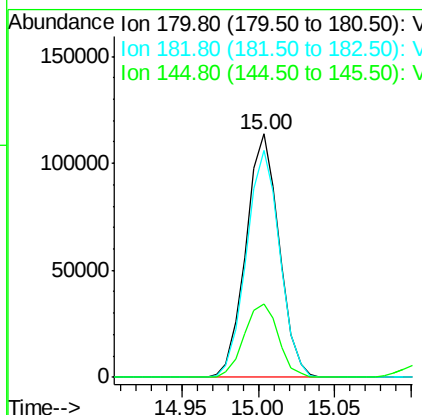
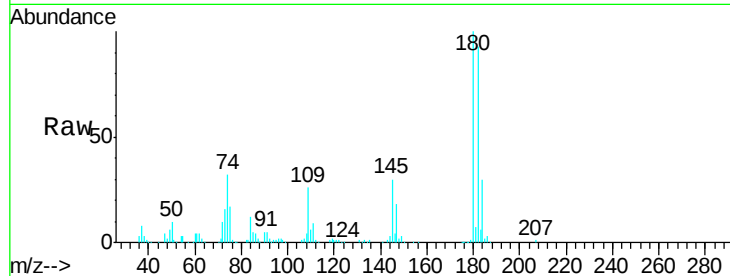
#93
 1,2,4-Trichlorobenzene
 Concen: 52.791 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.8	143.4
145	31.1	16.0	47.9

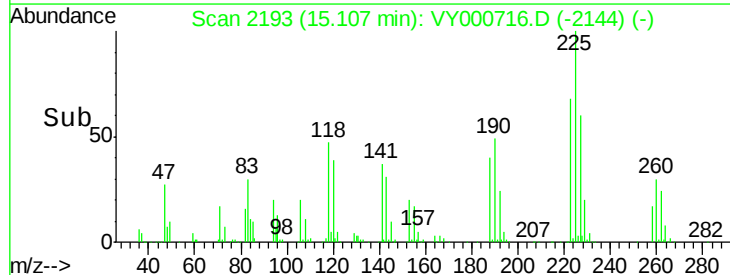
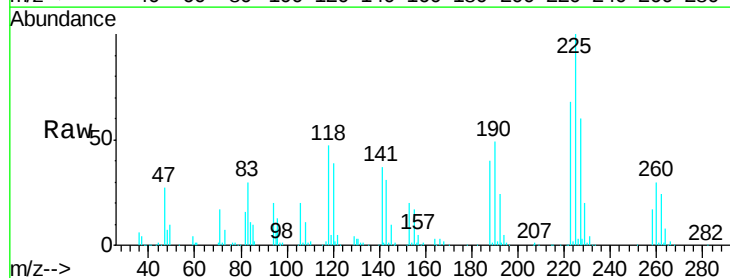
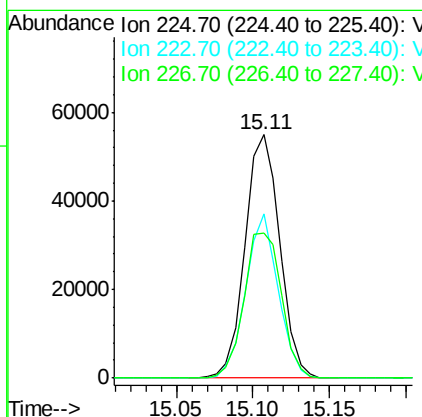
Manual Integrations
 APPROVED

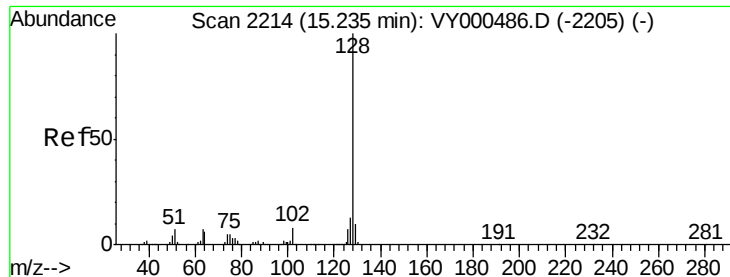
MMDadoda
 11/18/2019 3:24:05 PM



#94
 Hexachlorobutadiene
 Concen: 51.650 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000716.D
 Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	64.4	32.4	97.0





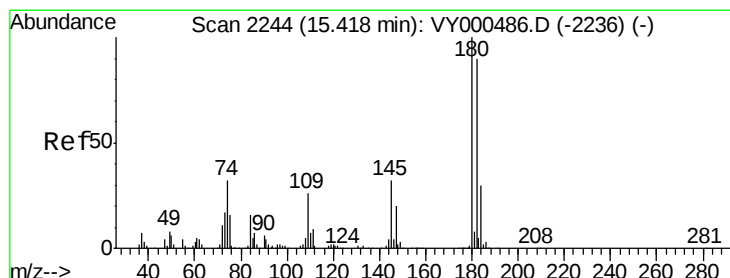
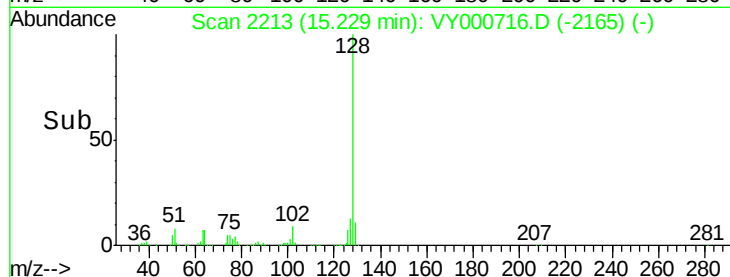
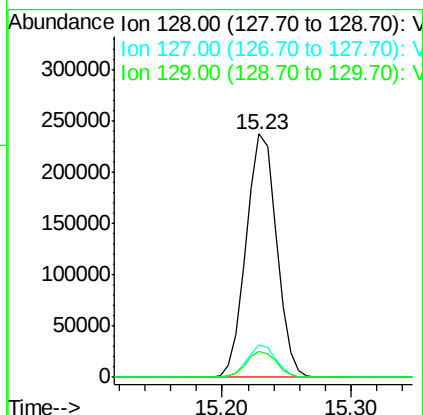
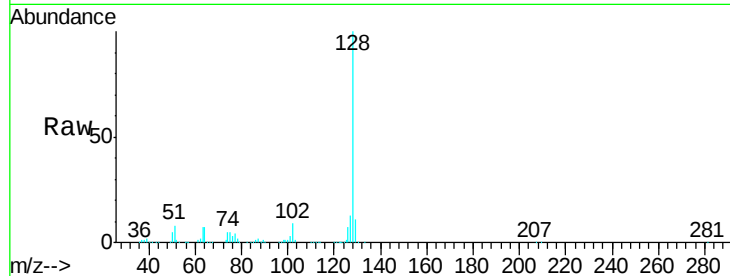
#95
Naphthalene
Concen: 53.496 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.7	9.8	14.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:24:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.567 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000716.D
Acq: 15 Nov 2019 20:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	92.6	47.4	142.3
145	32.6	15.7	47.0

