

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
 Data File : VY000599.D
 Acq On : 07 Nov 2019 23:09
 Operator : SY/MD
 Sample : VY1107SBS02
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 4:07:20 PM

Quant Time: Nov 08 10:00:21 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	261366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	441513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	192108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	157249	58.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.28%	
35) Dibromofluoromethane	7.73	113	137002	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.18	98	537942	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.48	95	191554	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	44242	17.196	ug/l	97
3) Chloromethane	2.12	50	64618	18.232	ug/l	90
4) Vinyl Chloride	2.25	62	60771	18.464	ug/l	98
5) Bromomethane	2.64	94	42172	21.367	ug/l	91
6) Chloroethane	2.79	64	40695	19.756	ug/l	90
7) Trichlorofluoromethane	3.13	101	85778	19.298	ug/l	92
8) Diethyl Ether	3.54	74	33442	21.174	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	51791	19.273	ug/l	97
10) Methyl Iodide	4.10	142	62322	19.692	ug/l	100
11) Tert butyl alcohol	4.96	59	26745	101.578	ug/l	98
12) 1,1-Dichloroethene	3.87	96	51586	19.759	ug/l	100
13) Acrolein	3.74	56	18542	80.848	ug/l	90
14) Allyl chloride	4.49	41	89253	21.024	ug/l	99
15) Acrylonitrile	5.18	53	86577	107.010	ug/l	99
16) Acetone	3.95	43	66826	89.642	ug/l	91
17) Carbon Disulfide	4.19	76	153714	18.667	ug/l	99
18) Methyl Acetate	4.49	43	53144	22.927	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	155594	21.435	ug/l	97
20) Methylene Chloride	4.72	84	67383	21.095	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	59800	20.261	ug/l	94
22) Diisopropyl ether	6.13	45	196711	21.319	ug/l	95
23) Vinyl Acetate	6.07	43	595626	102.258	ug/l	100
24) 1,1-Dichloroethane	6.03	63	105160	21.037	ug/l	96
25) 2-Butanone	7.00	43	116713	98.101	ug/l	98
26) 2,2-Dichloropropane	6.99	77	83623	18.305	ug/l	96
27) cis-1,2-Dichloroethene	7.00	96	67152	20.807	ug/l	99
28) Bromochloromethane	7.35	49	27508	15.171	ug/l	97
29) Tetrahydrofuran	7.36	42	74861	102.855	ug/l	98
30) Chloroform	7.52	83	105351	20.833	ug/l	93
31) Cyclohexane	7.80	56	99931	19.087	ug/l #	91
32) 1,1,1-Trichloroethane	7.71	97	88841	19.713	ug/l	99
36) 1,1-Dichloropropene	7.93	75	81772	19.592	ug/l	99
37) Ethyl Acetate	7.09	43	52054	21.006	ug/l	98
38) Carbon Tetrachloride	7.91	117	76939	19.157	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	98701	18.304	ug/l	98
40) Benzene	8.17	78	246114	20.113	ug/l	98
41) Methacrylonitrile	7.33	41	30762m	22.253	ug/l	
42) 1,2-Dichloroethane	8.25	62	74422	21.443	ug/l	99
43) Isopropyl Acetate	8.28	43	97731	20.995	ug/l	99
44) Trichloroethene	8.95	130	63482	19.676	ug/l	94
45) 1,2-Dichloropropane	9.22	63	62822	20.859	ug/l	93
46) Dibromomethane	9.32	93	34269	20.690	ug/l	96
47) Bromodichloromethane	9.50	83	79283	20.173	ug/l	97
48) Methyl methacrylate	9.30	41	42019	20.660	ug/l	98
49) 1,4-Dioxane	9.31	88	9583	429.894	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	256381	103.591	ug/l	97
52) Toluene	10.25	92	153735	19.871	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	83675	19.926	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	95855	19.925	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	48721	20.337	ug/l	97
56) Ethyl methacrylate	10.51	69	70144	20.658	ug/l	98
57) 1,3-Dichloropropane	10.80	76	86467	20.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	160081	104.284	ug/l	98
59) 2-Hexanone	10.83	43	182926	101.444	ug/l	98
60) Dibromochloromethane	10.99	129	55280	20.145	ug/l	96
61) 1,2-Dibromoethane	11.09	107	47433	20.592	ug/l	97
64) Tetrachloroethene	10.72	164	67059	20.181	ug/l	97
65) Chlorobenzene	11.52	112	161087	19.771	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	56125	19.863	ug/l	99
67) Ethyl Benzene	11.60	91	300052	20.010	ug/l	100
68) m/p-Xylenes	11.70	106	224493	38.682	ug/l	96
69) o-Xylene	12.03	106	104979	19.247	ug/l	96
70) Styrene	12.05	104	185773	19.890	ug/l	100
71) Bromoform	12.20	173	32850	20.212	ug/l #	97
73) Isopropylbenzene	12.33	105	288544	20.322	ug/l	100
74) N-amyl acetate	12.14	43	86529	21.279	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	58554	20.828	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	44549m	20.366	ug/l	
77) Bromobenzene	12.61	156	63398	19.690	ug/l	95
78) n-propylbenzene	12.67	91	344084	20.085	ug/l	100
79) 2-Chlorotoluene	12.75	91	193560	20.352	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	244629	20.687	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	18918	19.391	ug/l	94
82) 4-Chlorotoluene	12.85	91	202660	20.557	ug/l	97
83) tert-Butylbenzene	13.08	119	204013	20.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	241590	20.519	ug/l	99
85) sec-Butylbenzene	13.25	105	288486	20.055	ug/l	100
86) p-Isopropyltoluene	13.37	119	257999	20.124	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	126899	20.122	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	127923	20.299	ug/l	99
89) n-Butylbenzene	13.69	91	252463	19.966	ug/l	99
90) Hexachloroethane	13.96	117	48671	20.535	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	115482	20.182	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9998	20.095	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	76526	19.642	ug/l	100
94) Hexachlorobutadiene	15.11	225	39325	19.581	ug/l	97
95) Naphthalene	15.23	128	178717	20.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	69606	19.914	ug/l	97

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

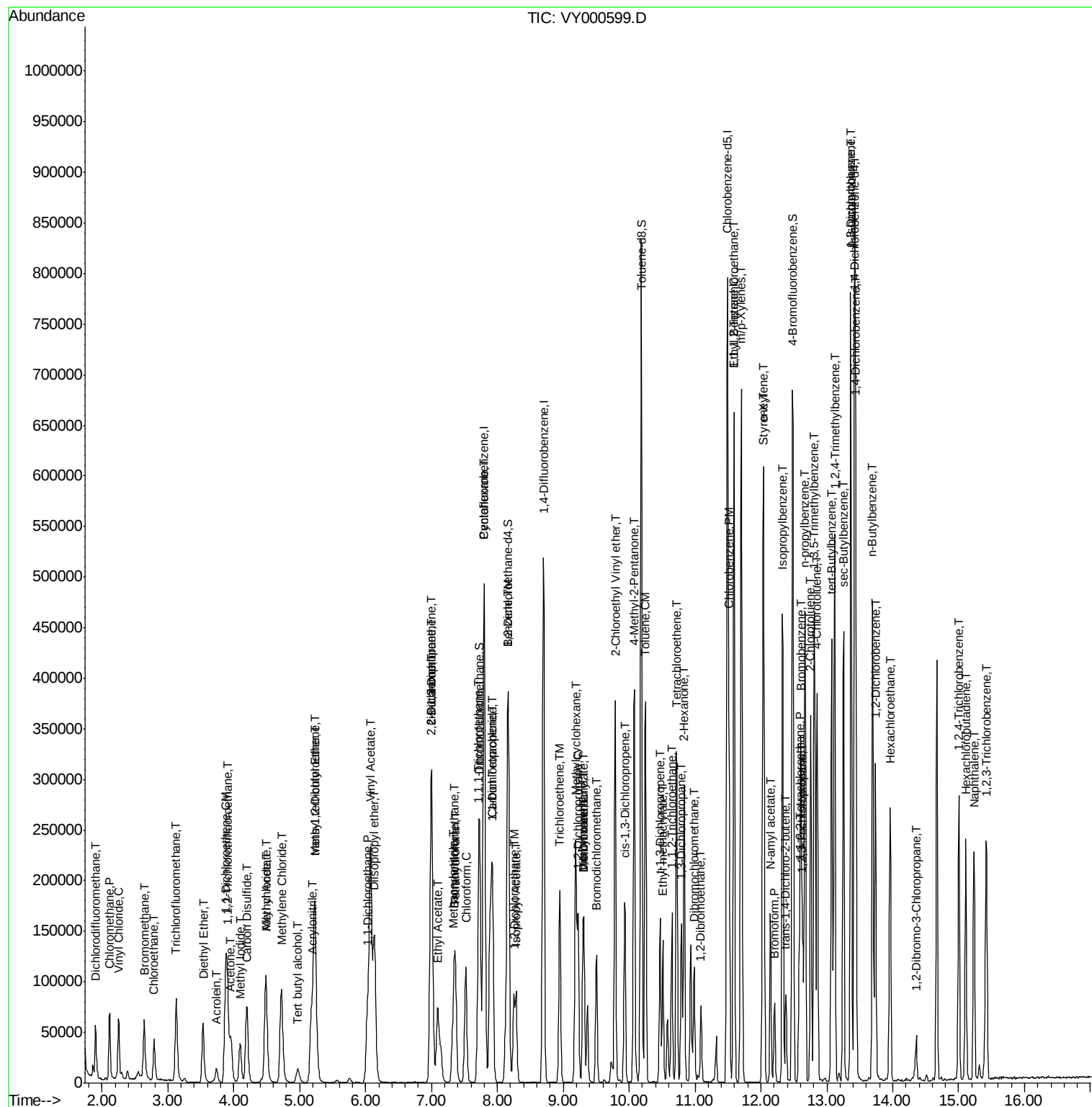
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
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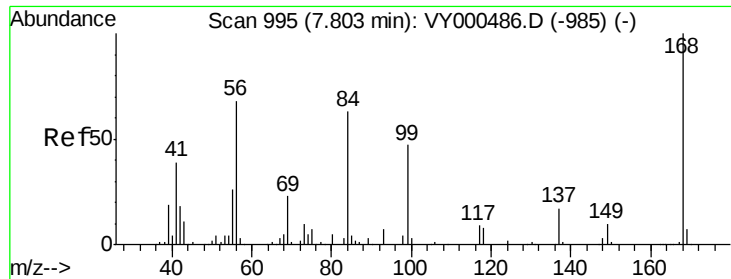
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion:168 Resp: 261366

Ion Ratio Lower Upper

168 100

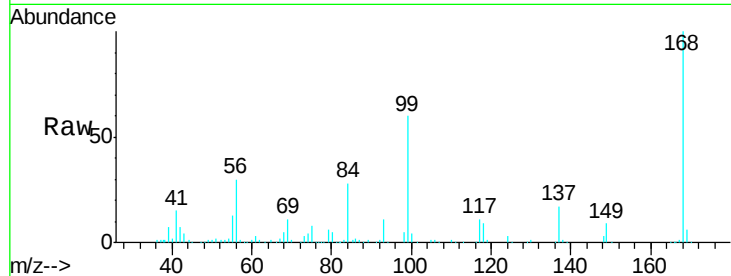
99 59.8 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

60000

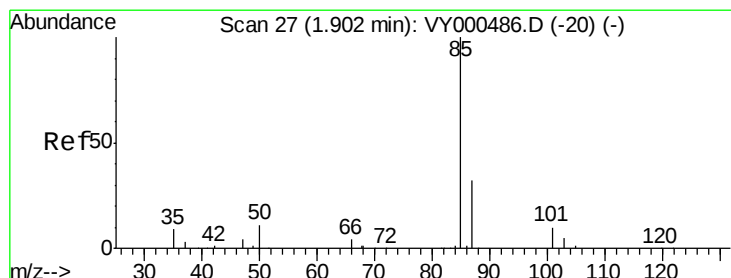
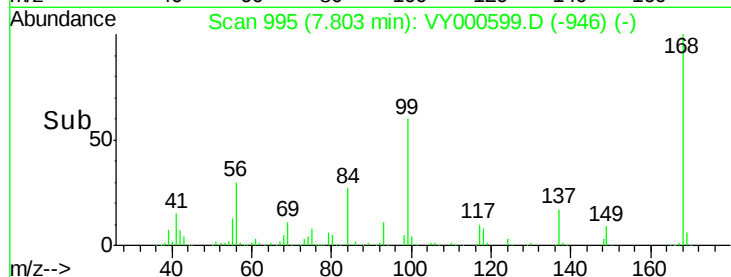
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.196 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000599.D

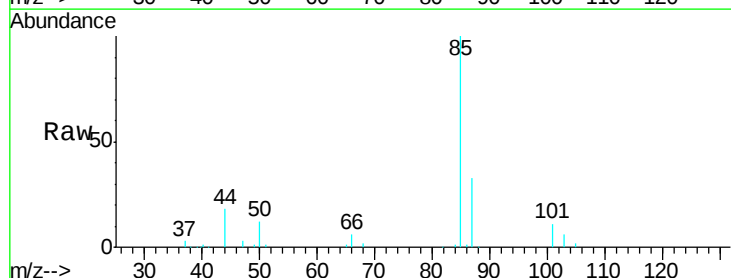
Acq: 07 Nov 2019 23:09

Tgt Ion: 85 Resp: 44242

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.90

30000

25000

20000

15000

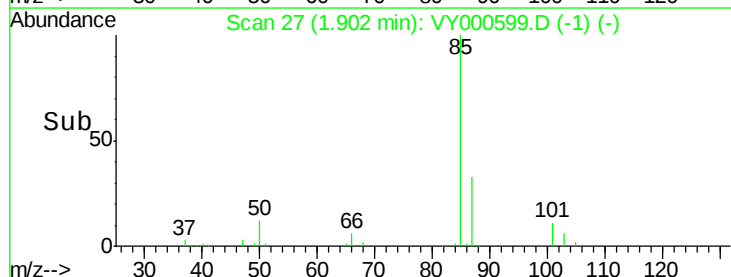
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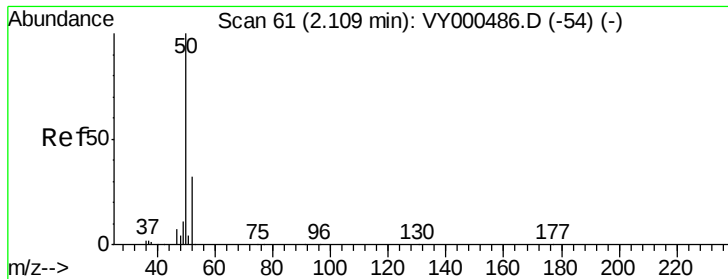
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.232 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 50 Resp: 64618

Ion Ratio Lower Upper

50 100

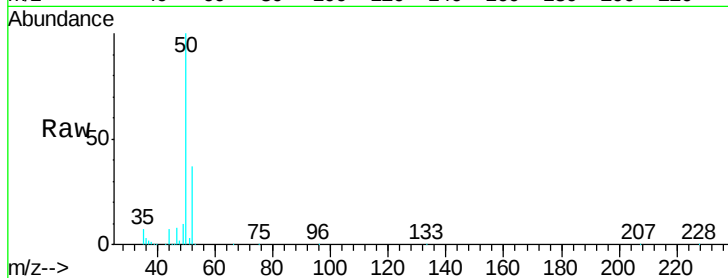
52 36.8 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

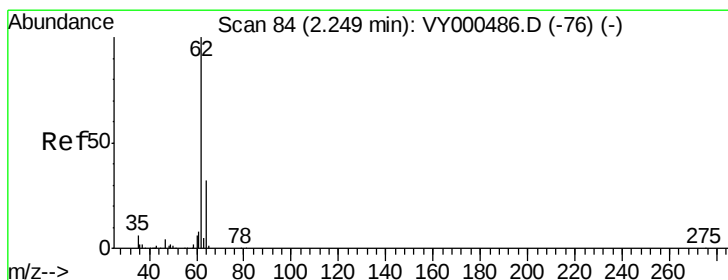
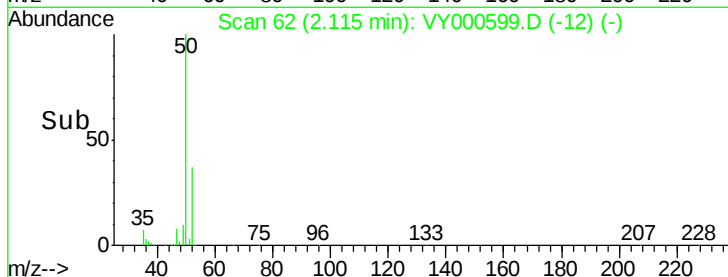
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 18.464 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000599.D

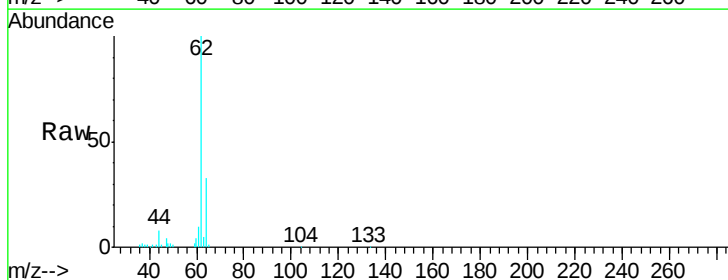
Acq: 07 Nov 2019 23:09

Tgt Ion: 62 Resp: 60771

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

40000

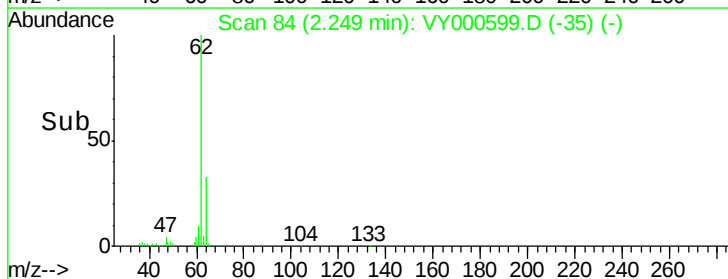
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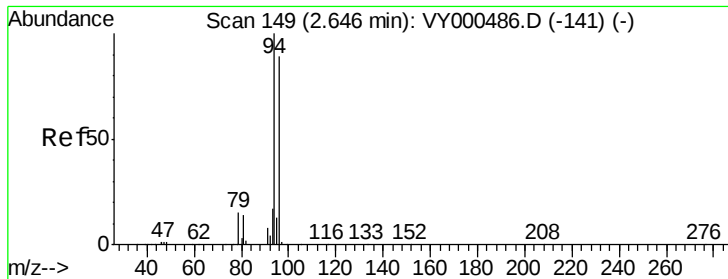
20000

10000

0

Time-->





#5

Bromomethane

Concen: 21.367 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 94 Resp: 42172

Ion Ratio Lower Upper

94 100

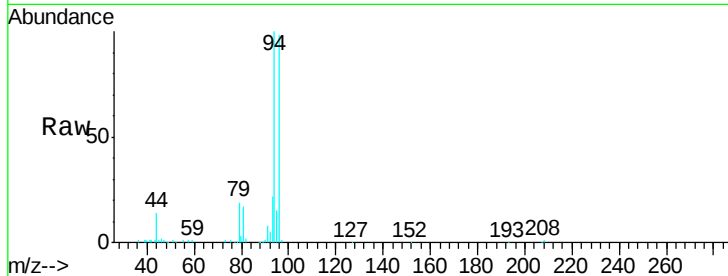
96 97.7 71.2 106.8

Manual Integrations

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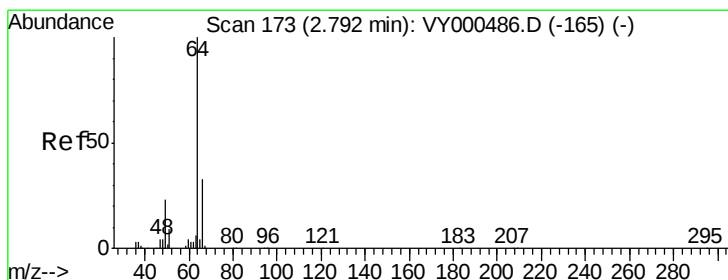
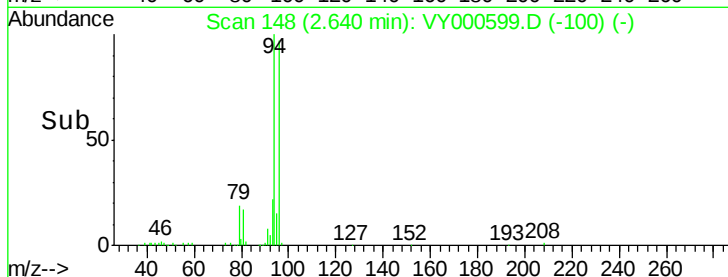
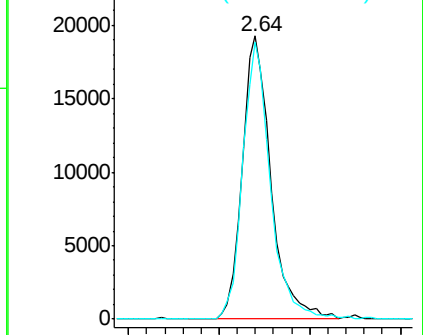
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.756 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000599.D

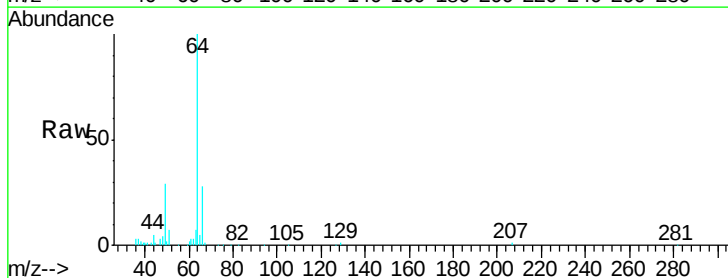
Acq: 07 Nov 2019 23:09

Tgt Ion: 64 Resp: 40695

Ion Ratio Lower Upper

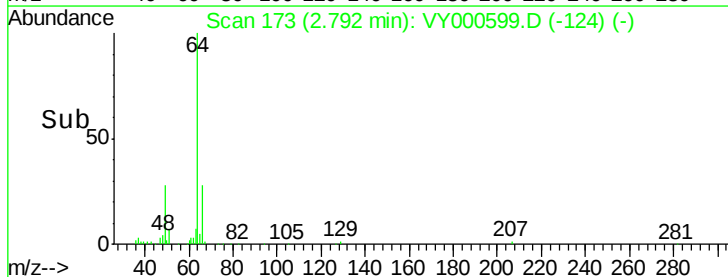
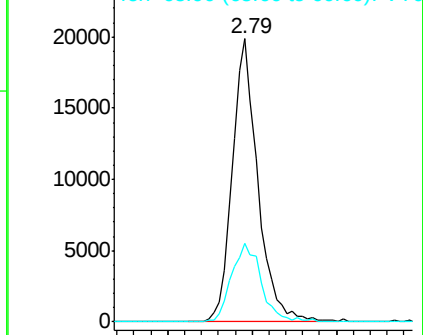
64 100

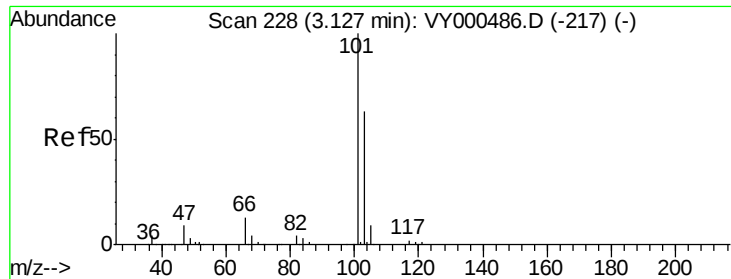
66 27.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

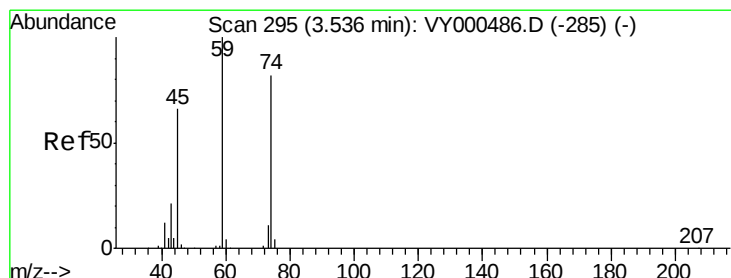
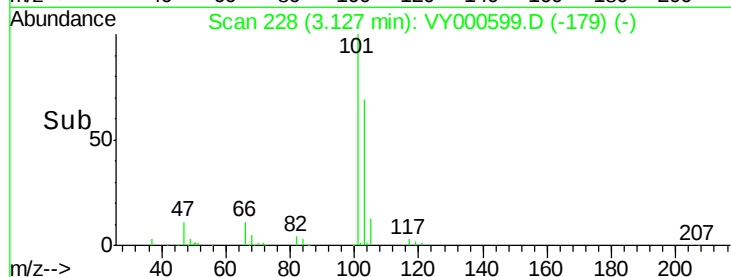
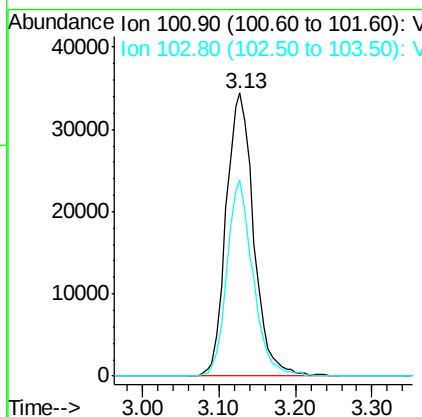
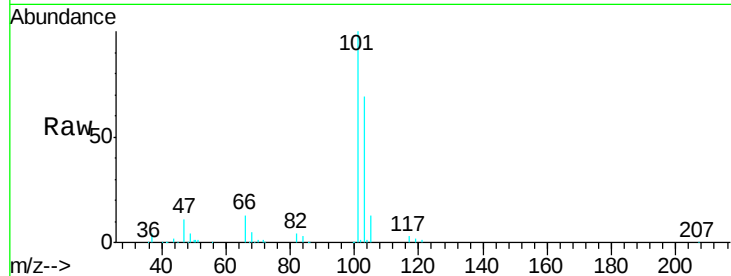
Trichlorofluoromethane
 Concen: 19.298 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	69.3	50.5	75.7

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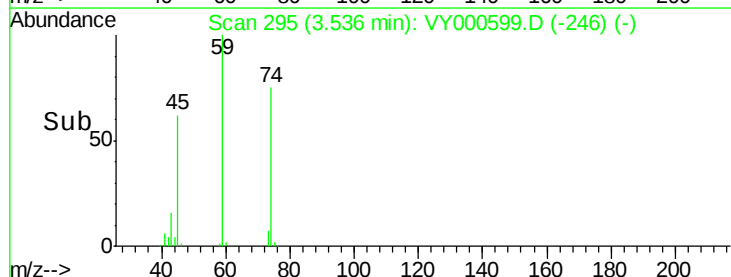
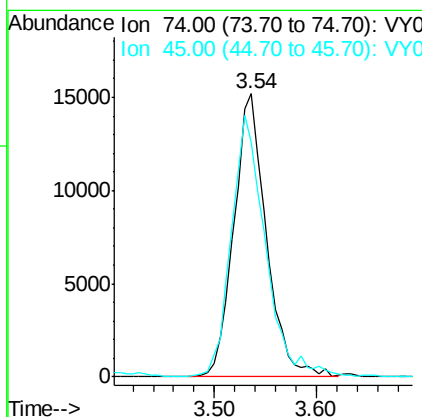
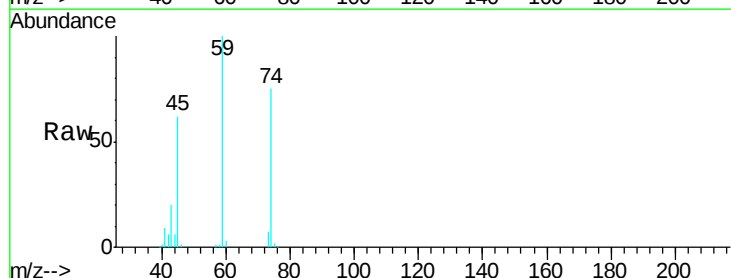
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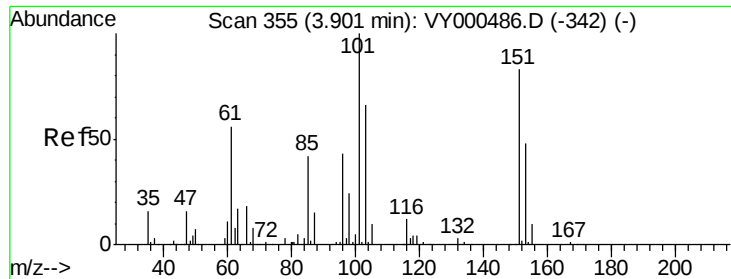


#8

Diethyl Ether
 Concen: 21.174 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	45.5	136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.273 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

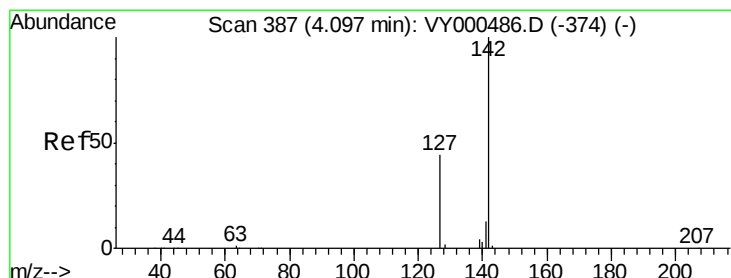
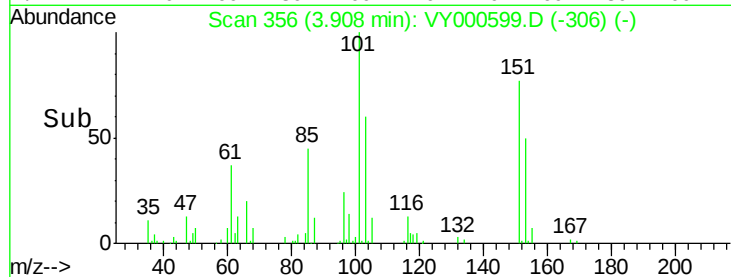
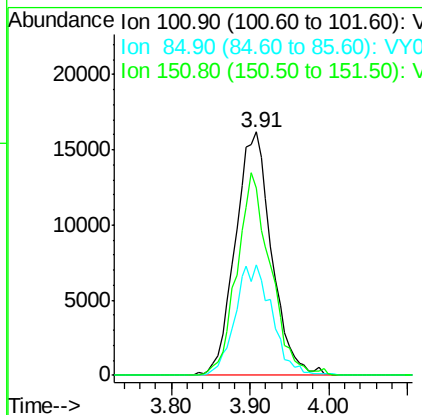
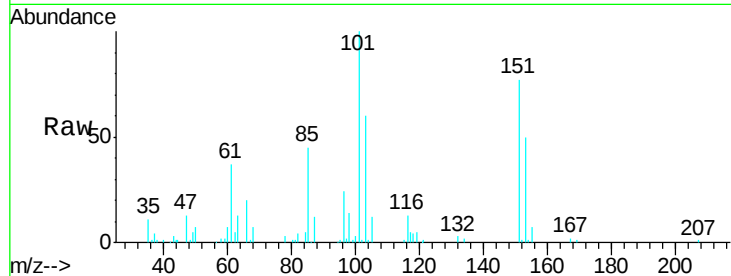
ClientSampleId :

VY1107SBS02

Tgt Ion:	101	Resp:	51791
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.7	55.1
151	76.7	64.3	96.5

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#10

Methyl Iodide

Concen: 19.692 ug/l

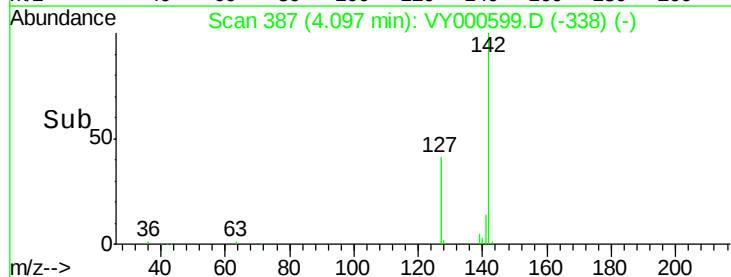
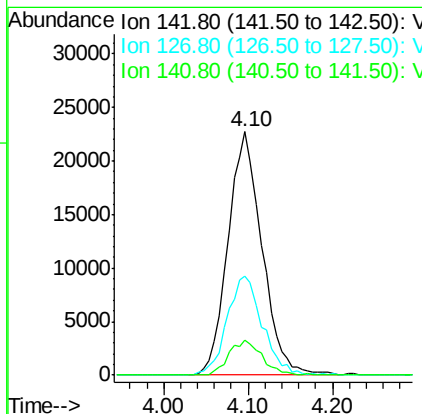
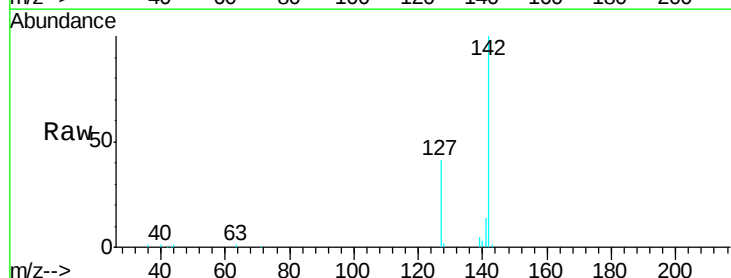
RT: 4.10 min Scan# 387

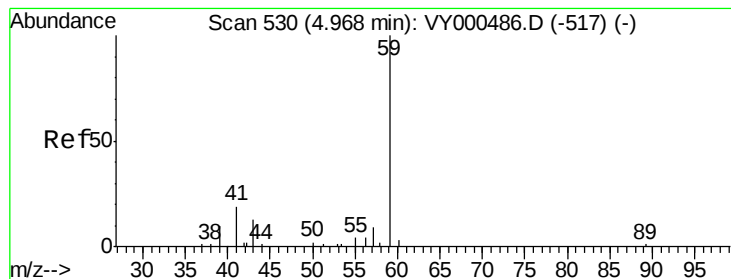
Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	142	Resp:	62322
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.7	50.5
141	13.9	10.9	16.3





#11

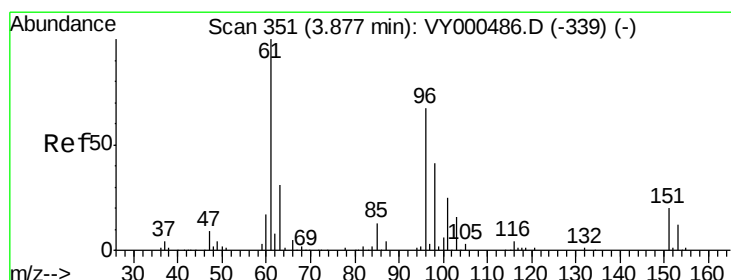
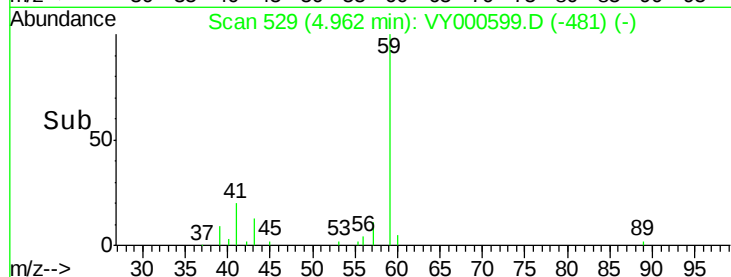
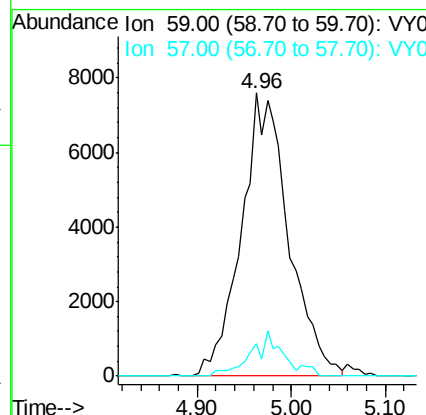
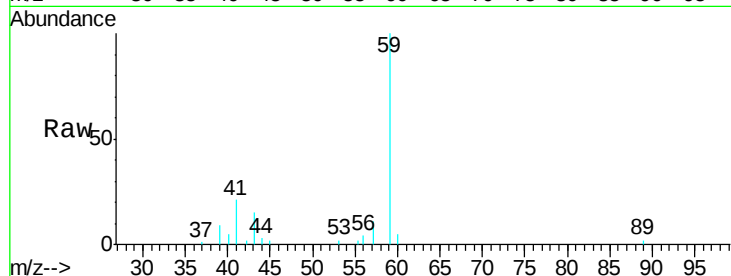
Tert butyl alcohol
Concen: 101.578 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	12.8

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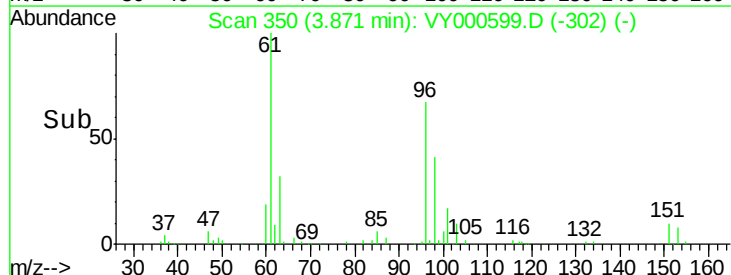
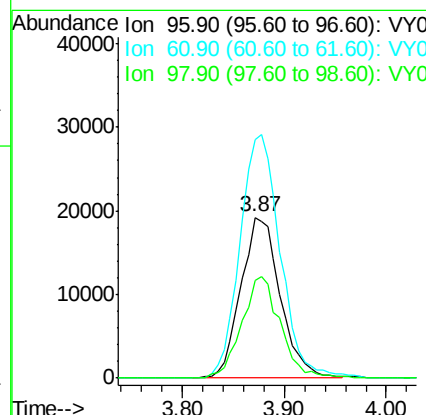
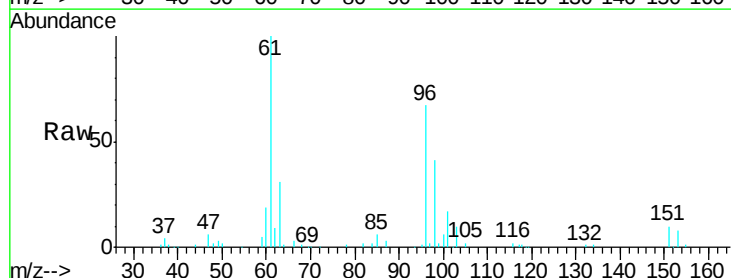
MMDadoda
11/8/2019 4:07:20 PM



#12

1,1-Dichloroethene
Concen: 19.759 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	119.2	178.8
98	60.7	48.6	73.0





#13

Acrolein

Concen: 80.848 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 56 Resp: 18542

Ion Ratio Lower Upper

56 100

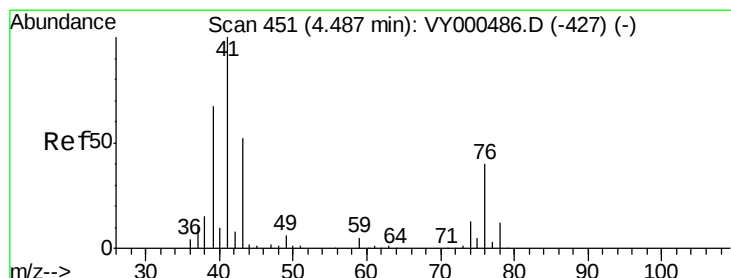
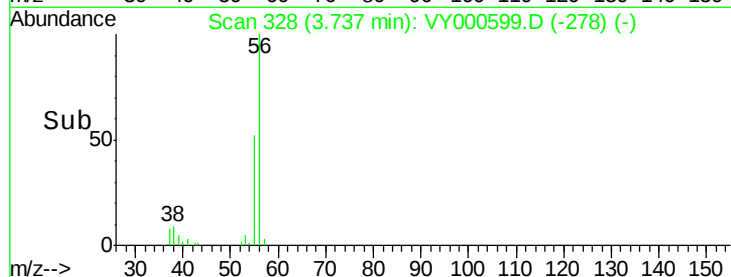
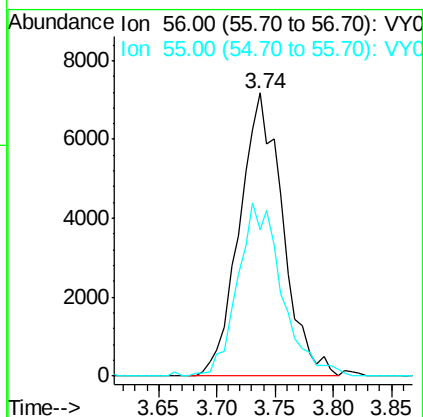
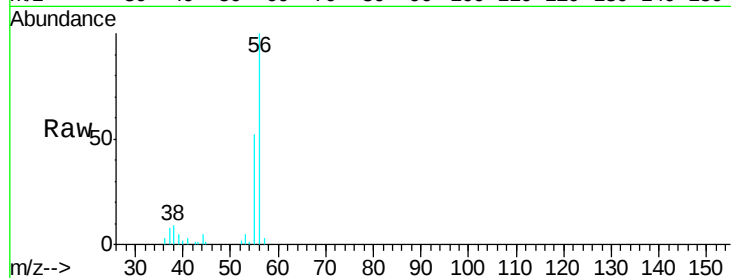
55 62.8 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.024 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

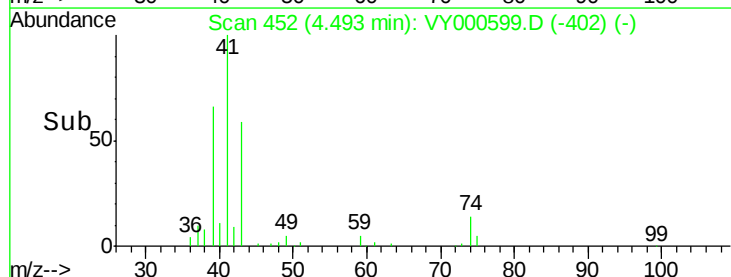
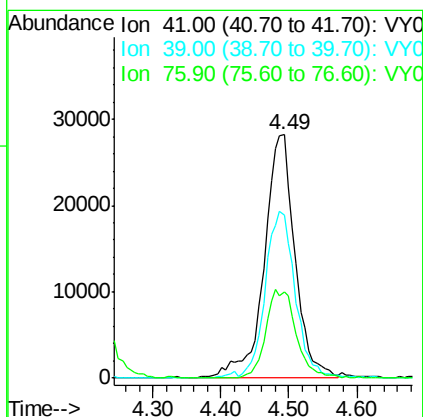
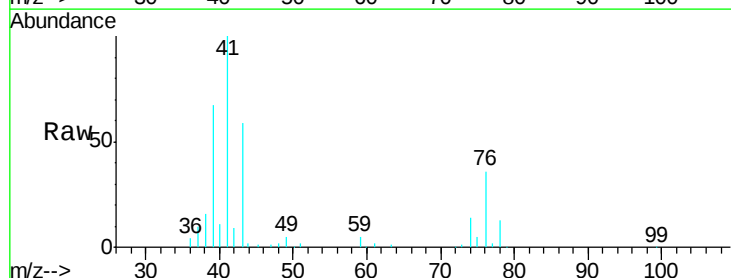
Tgt Ion: 41 Resp: 89253

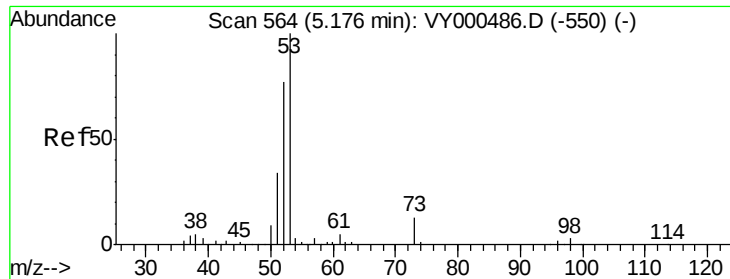
Ion Ratio Lower Upper

41 100

39 66.7 53.6 80.4

76 35.6 29.8 44.6





#15

Acrylonitrile

Concen: 107.010 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

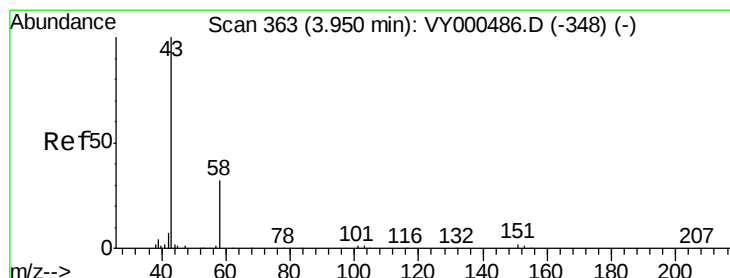
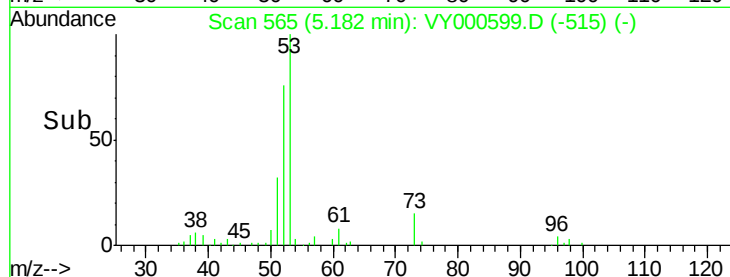
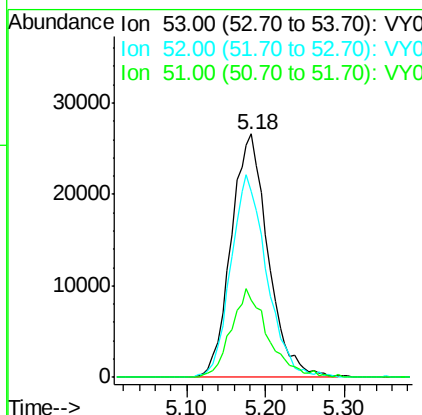
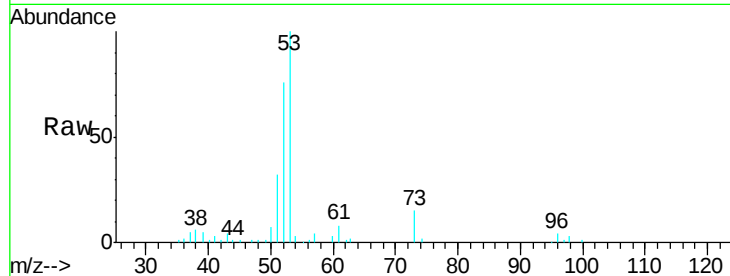
ClientSampleId :

VY1107SBS02

Tgt Ion:	53	Resp:	86577
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.9	97.3
51	36.2	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 89.642 ug/l

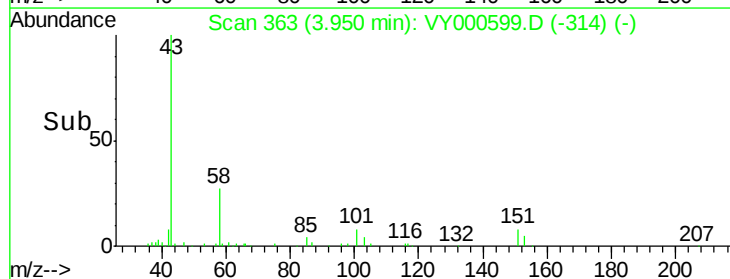
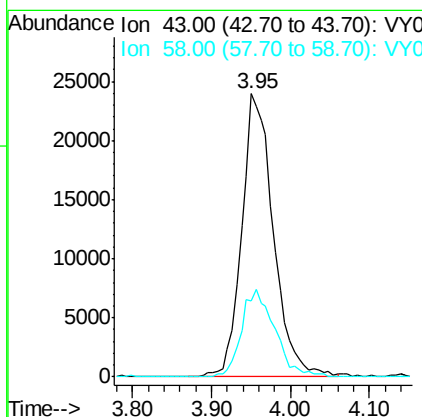
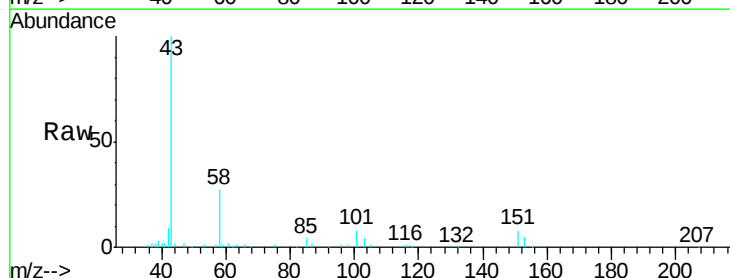
RT: 3.95 min Scan# 363

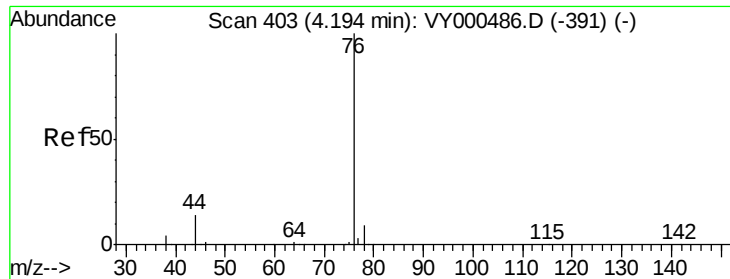
Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	43	Resp:	66826
Ion	Ratio	Lower	Upper
43	100		
58	27.0	25.8	38.6





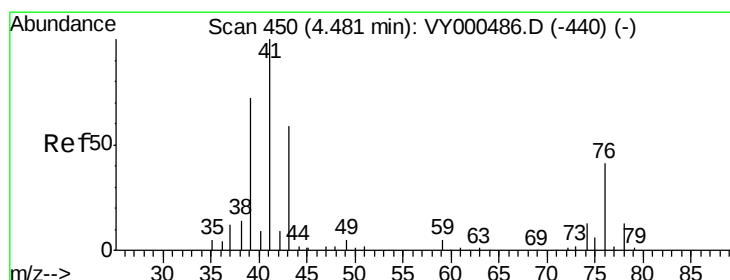
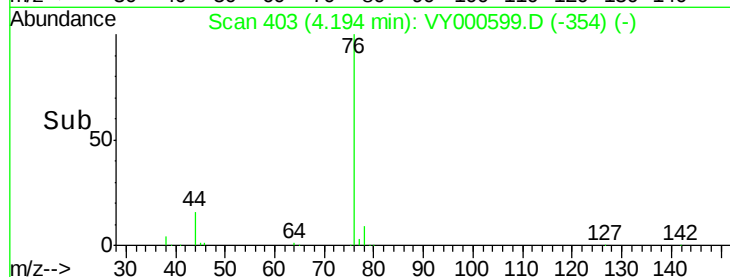
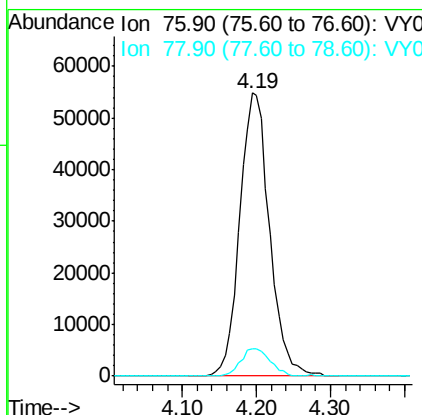
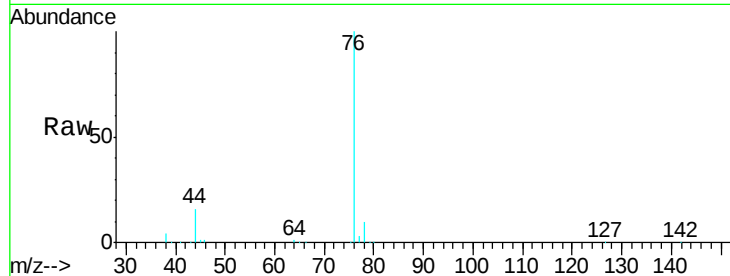
#17
Carbon Disulfide
Concen: 18.667 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.5	11.3

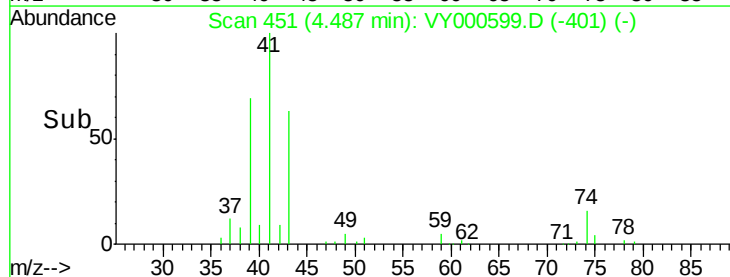
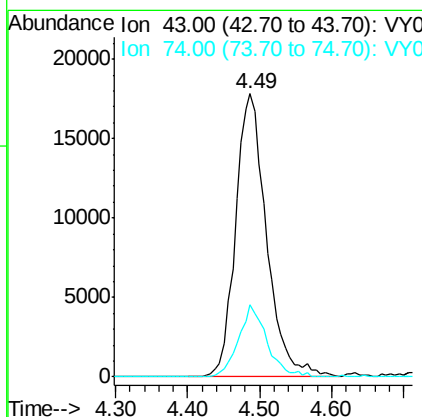
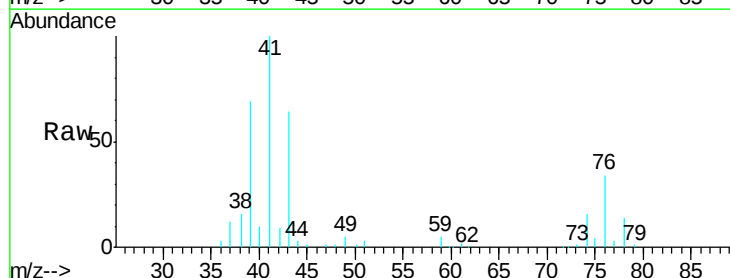
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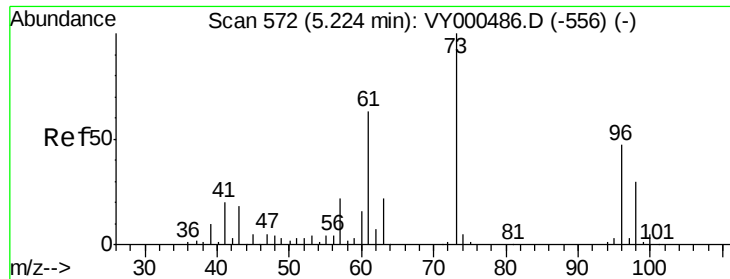
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#18
Methyl Acetate
Concen: 22.927 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8





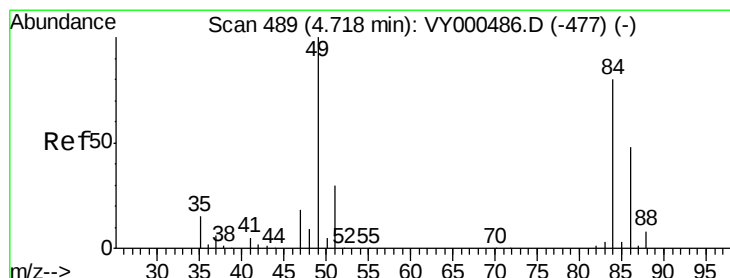
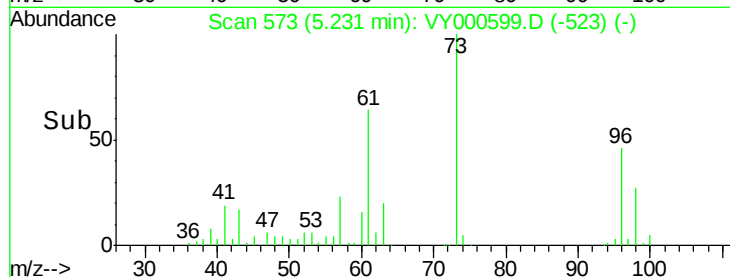
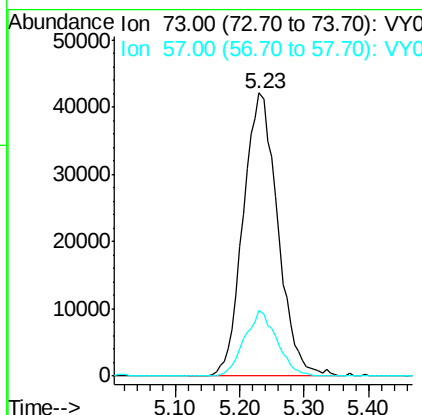
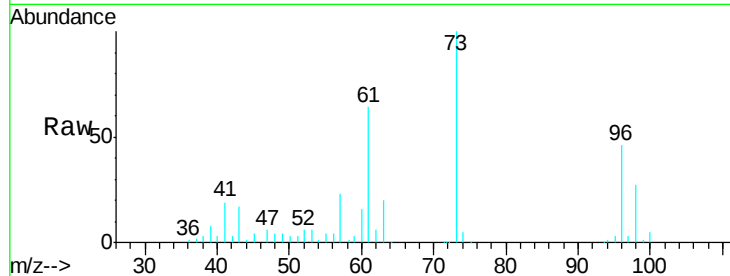
#19
Methyl tert-butyl Ether
Concen: 21.435 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion: 73 Resp: 155594
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.0

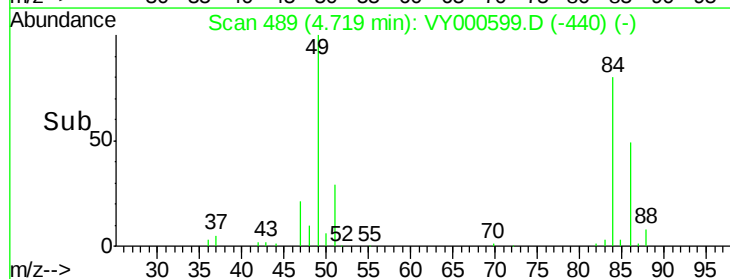
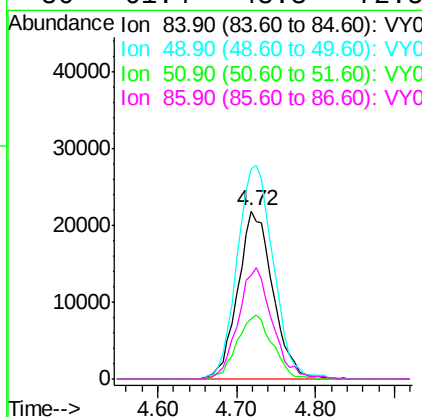
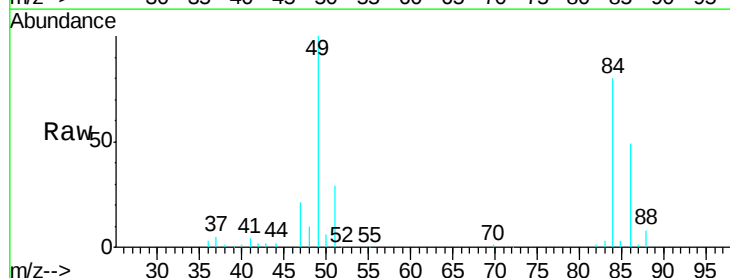
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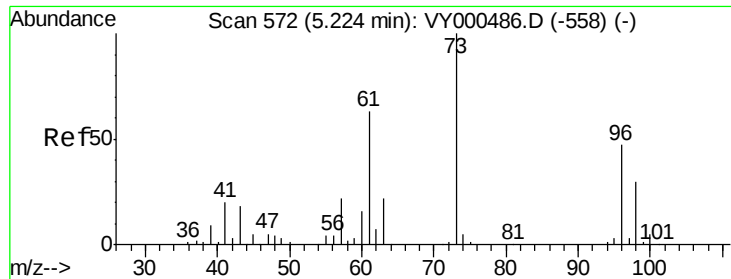
MMDadoda
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#20
Methylene Chloride
Concen: 21.095 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 84 Resp: 67383
Ion Ratio Lower Upper
84 100
49 124.8 100.2 150.4
51 35.8 29.6 44.4
86 61.4 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 20.261 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

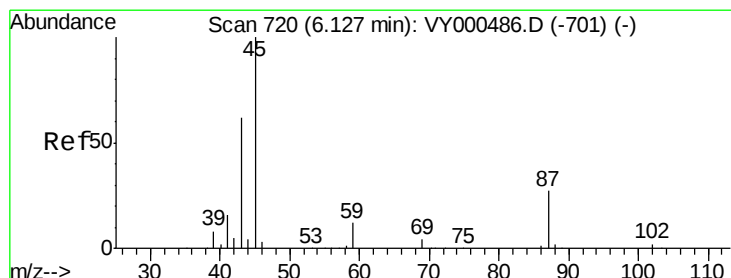
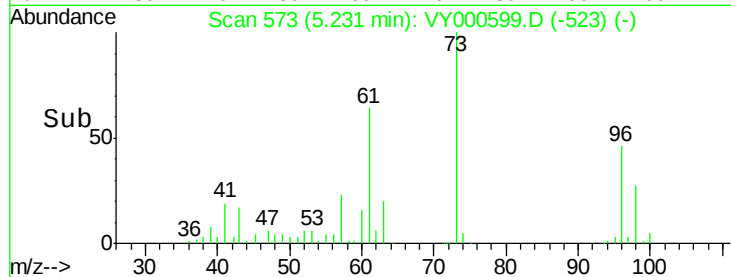
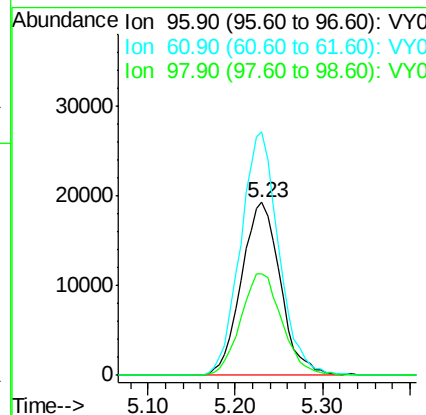
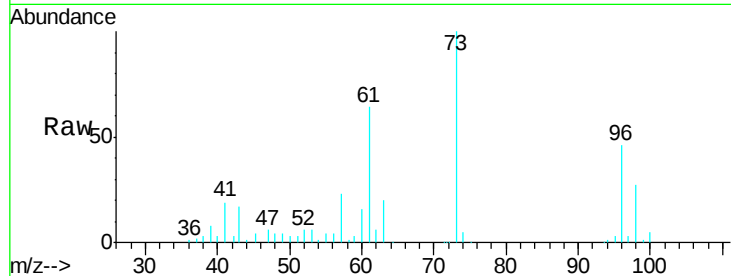
ClientSampleId :

VY1107SBS02

Tgt Ion:	96	Resp:	59800
Ion	Ratio	Lower	Upper
96	100		
61	141.0	106.6	160.0
98	58.7	50.6	76.0

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#22

Diisopropyl ether

Concen: 21.319 ug/l

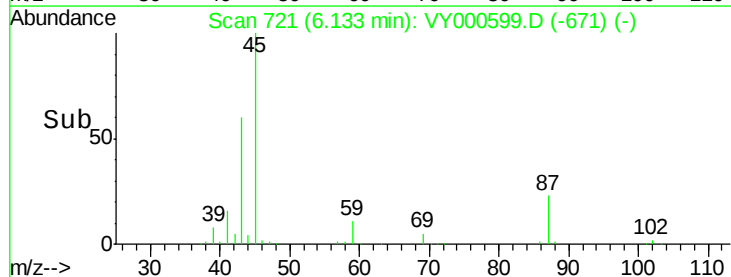
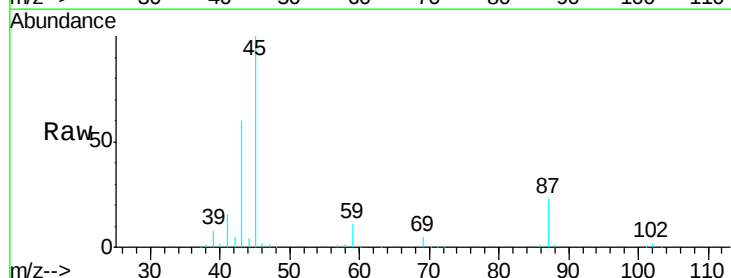
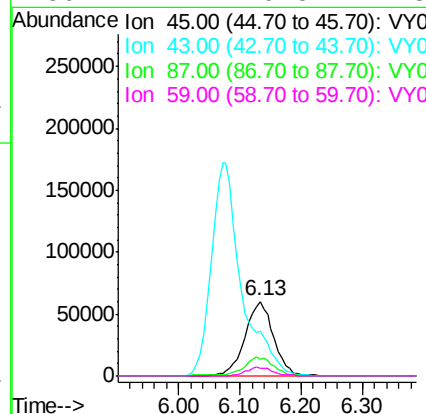
RT: 6.13 min Scan# 721

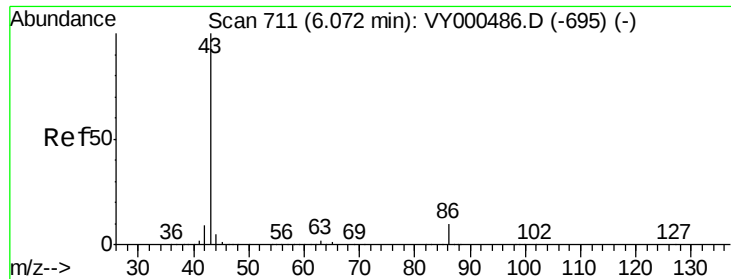
Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	45	Resp:	196711
Ion	Ratio	Lower	Upper
45	100		
43	59.2	50.0	75.0
87	22.6	21.6	32.4
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 102.258 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 43 Resp: 595626

Ion Ratio Lower Upper

43 100

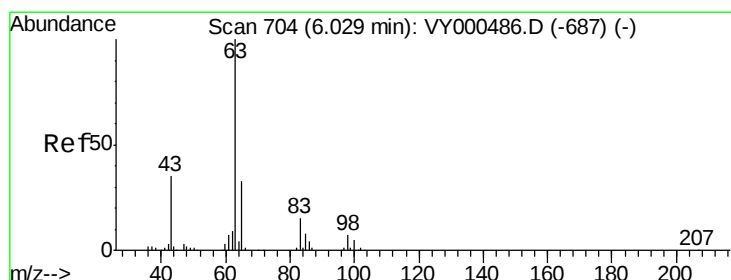
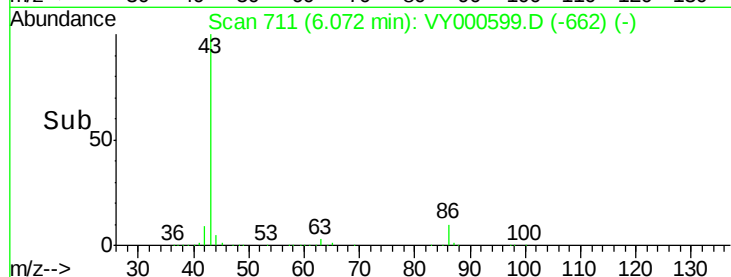
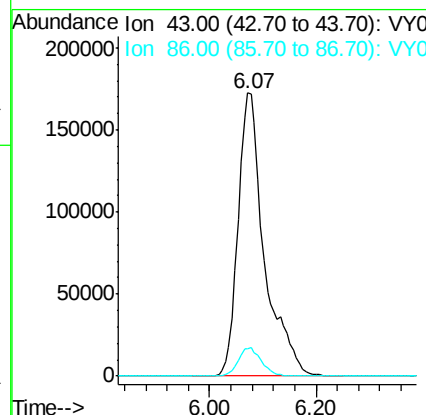
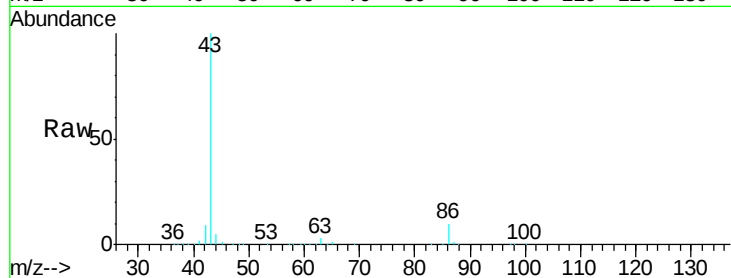
86 9.8 7.8 11.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.037 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

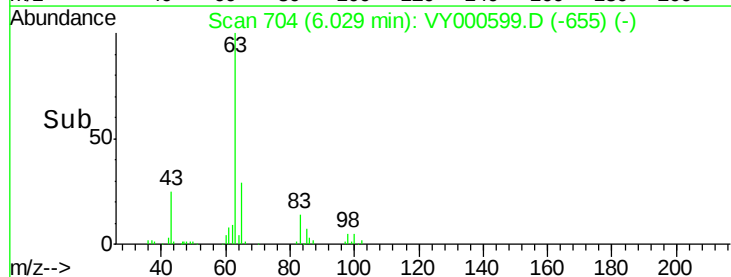
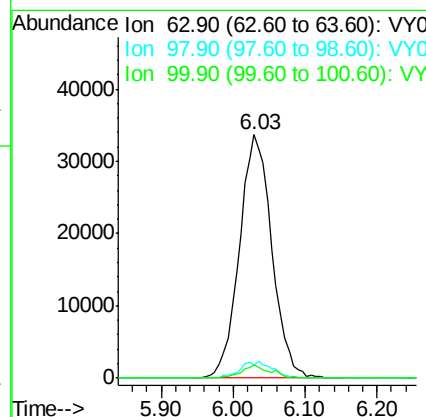
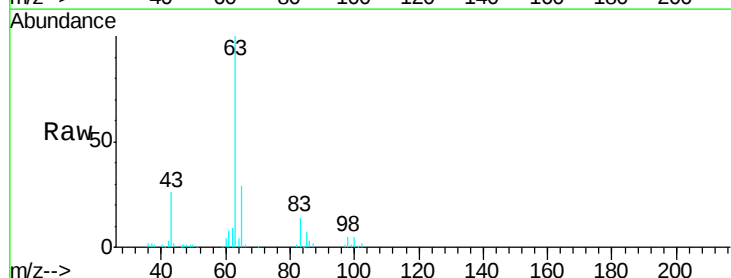
Tgt Ion: 63 Resp: 105160

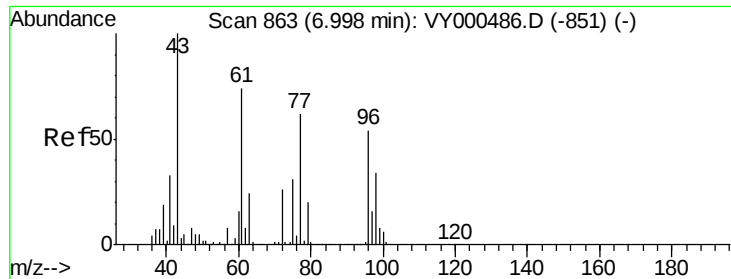
Ion Ratio Lower Upper

63 100

98 5.3 3.5 10.6

100 5.3 2.4 7.1





#25

2-Butanone

Concen: 98.101 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 43 Resp: 116713

Ion Ratio Lower Upper

43 100

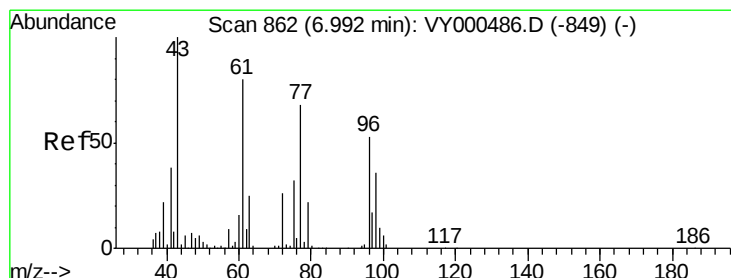
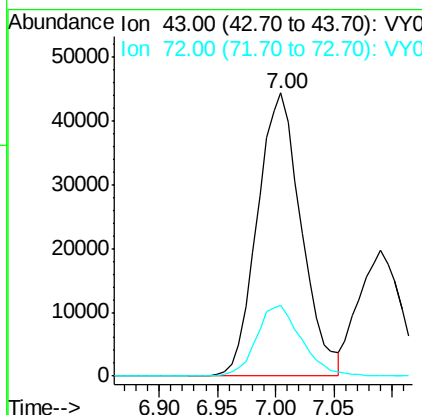
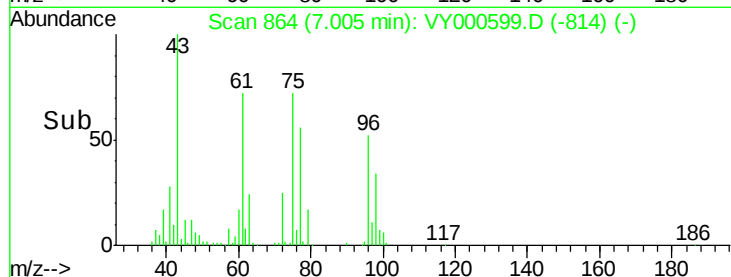
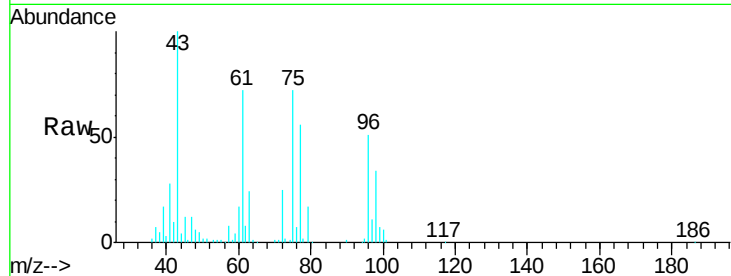
72 25.0 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.305 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000599.D

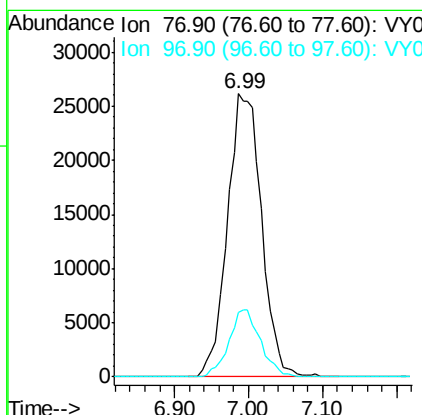
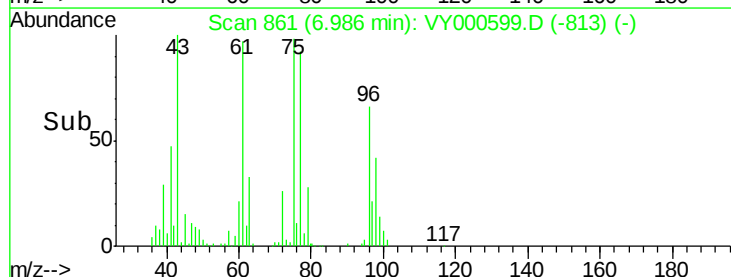
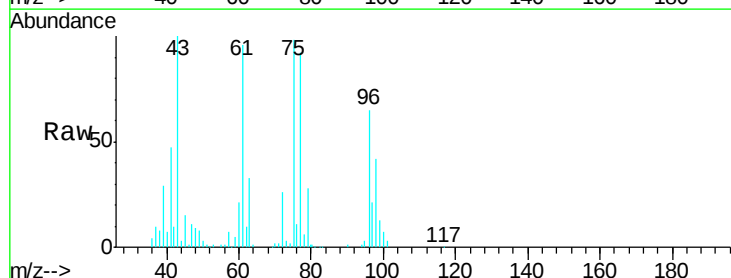
Acq: 07 Nov 2019 23:09

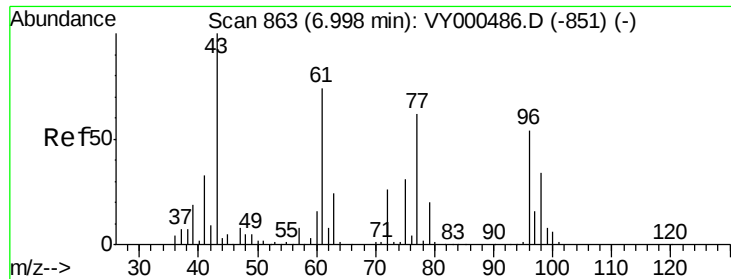
Tgt Ion: 77 Resp: 83623

Ion Ratio Lower Upper

77 100

97 21.9 11.8 35.4





#27

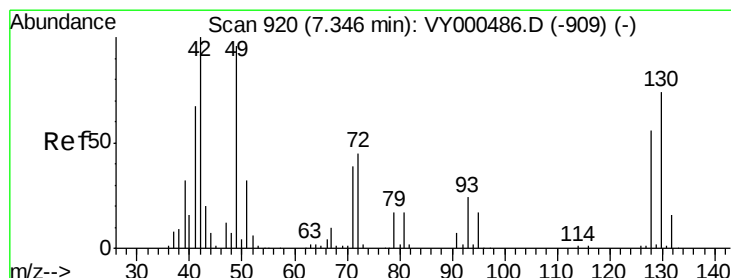
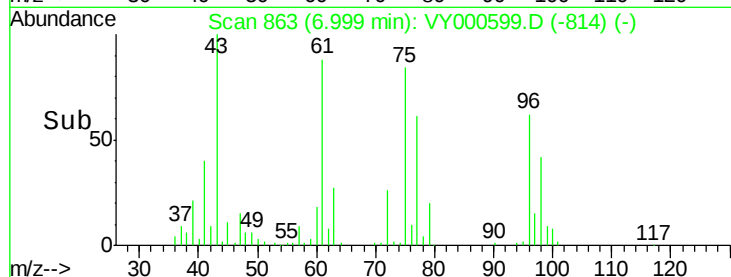
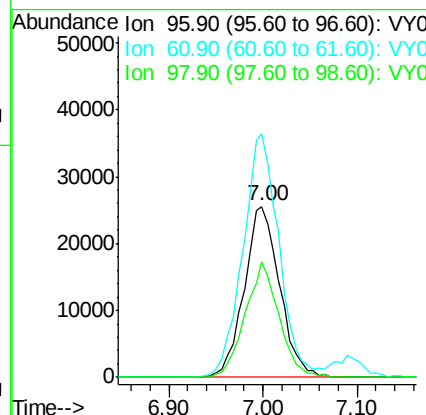
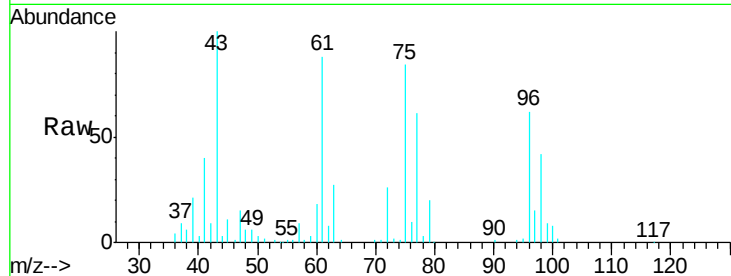
cis-1,2-Dichloroethene
Concen: 20.807 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	287.0
98	64.6	0.0	129.4

Manual Integrations
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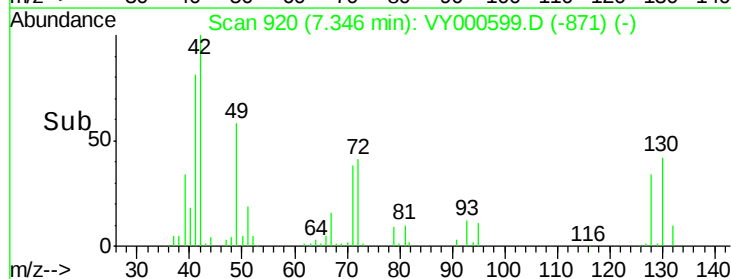
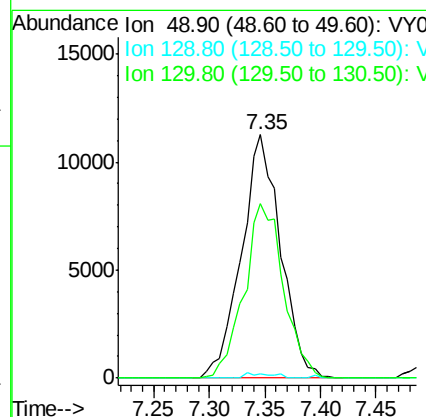
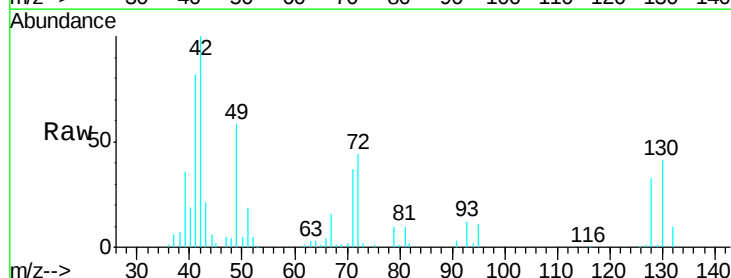
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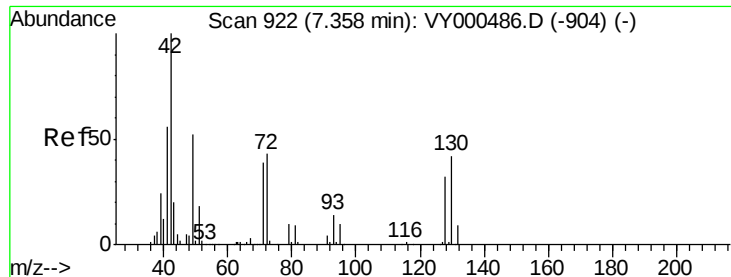


#28

Bromochloromethane
Concen: 15.171 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	72.0	59.4	89.0





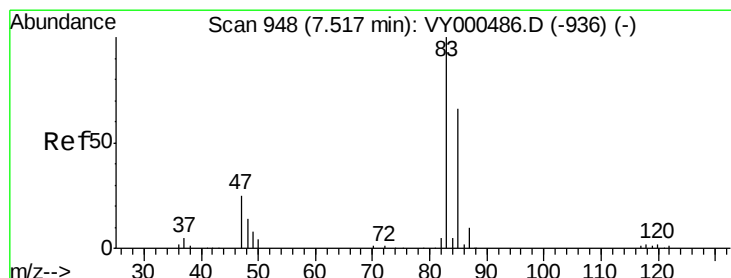
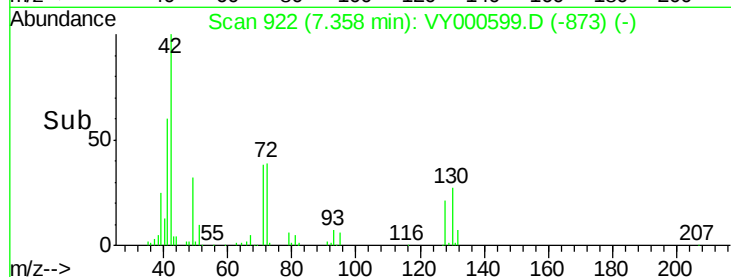
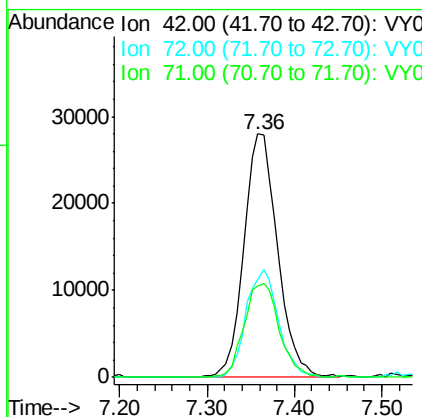
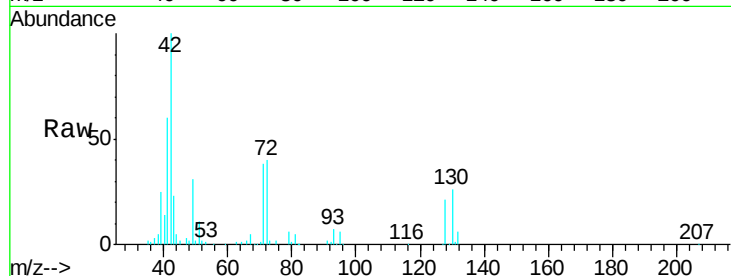
#29
Tetrahydrofuran
Concen: 102.855 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	40.3	30.8	46.2

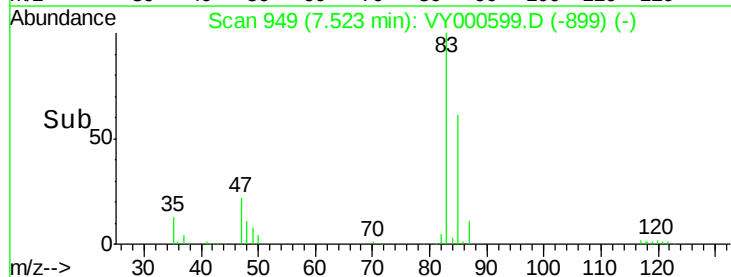
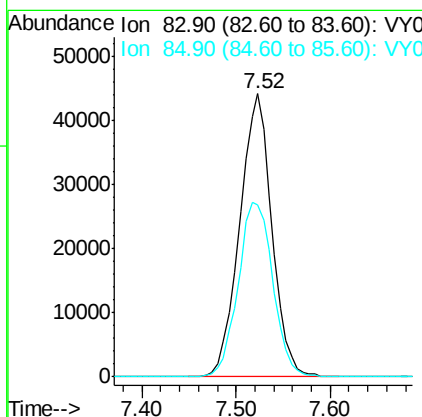
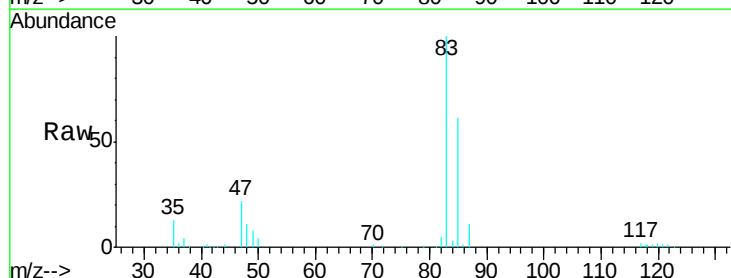
Manual Integrations
APPROVED

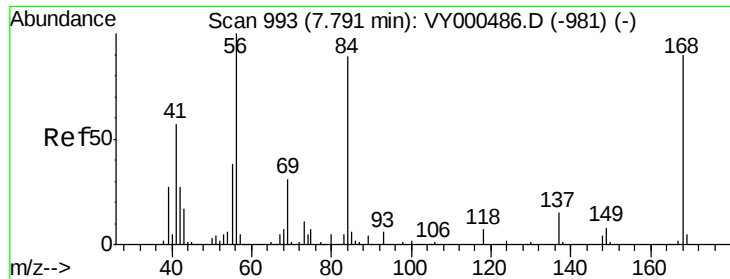
MMDadoda
11/8/2019 4:07:20 PM



#30
Chloroform
Concen: 20.833 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	53.0	79.4





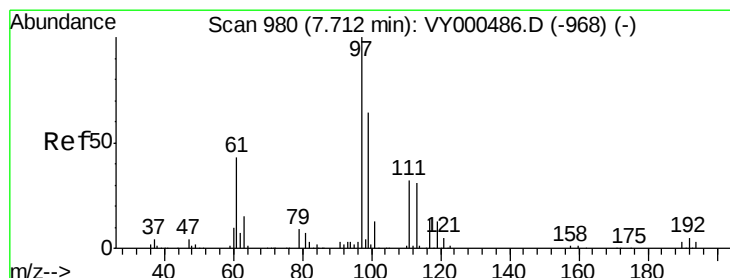
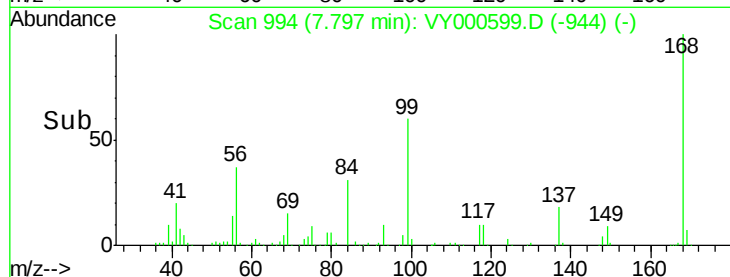
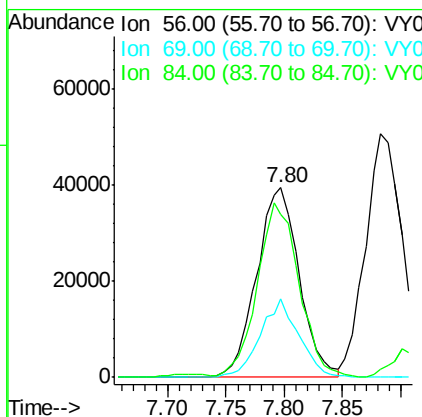
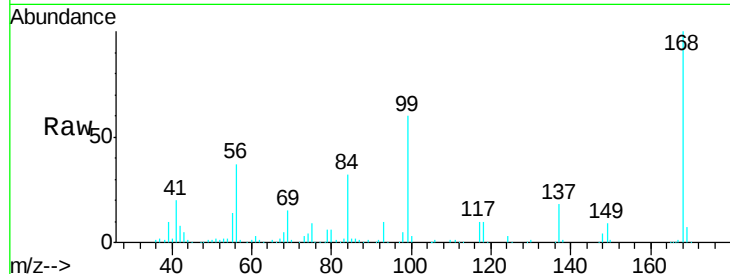
#31
Cyclohexane
Concen: 19.087 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion: 56 Resp: 99931
Ion Ratio Lower Upper
56 100
69 41.2 25.0 37.6#
84 84.4 71.4 107.2

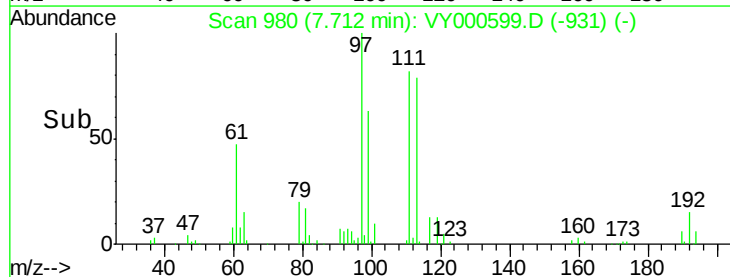
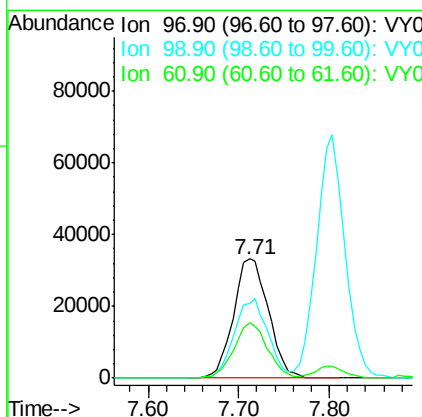
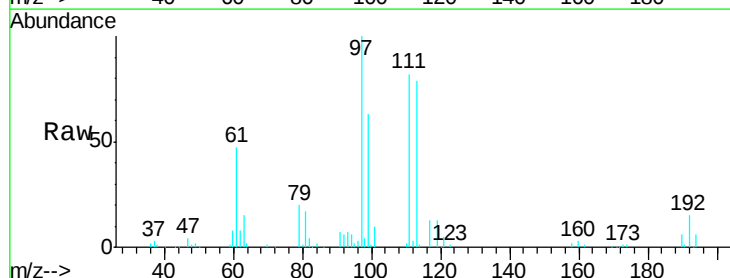
Manual Integrations
APPROVED

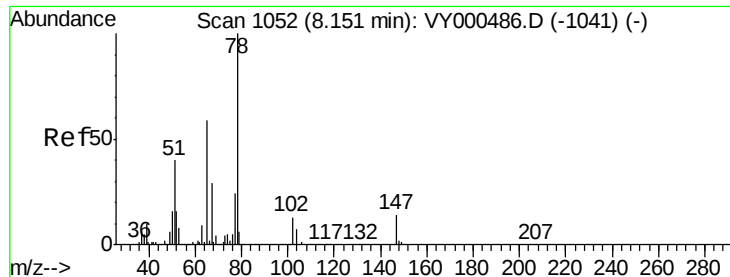
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11/8/2019 4:07:20 PM



#32
1,1,1-Trichloroethane
Concen: 19.713 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 97 Resp: 88841
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 44.8 34.9 52.3





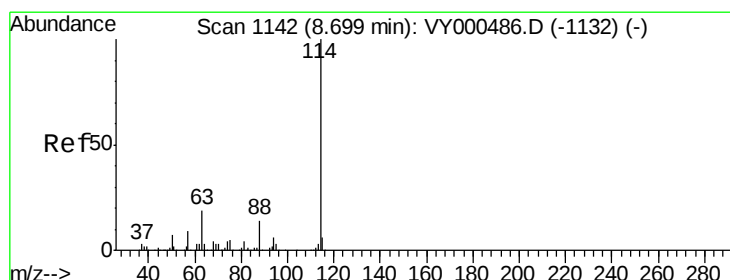
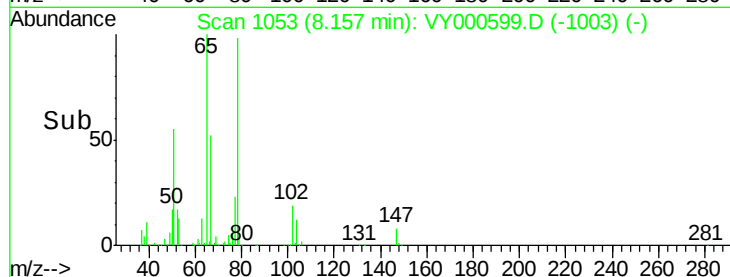
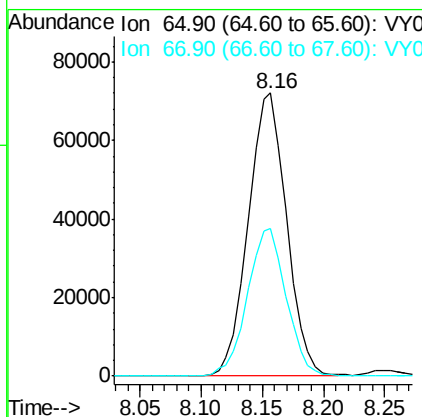
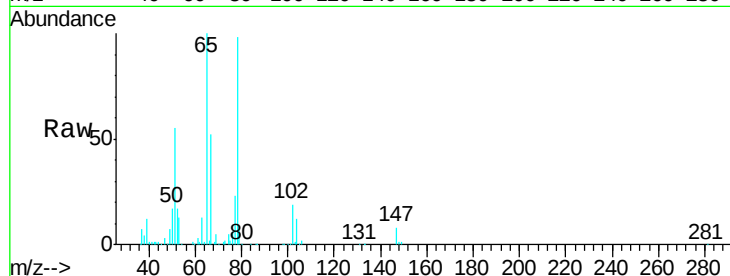
#33
 1,2-Dichloroethane-d4
 Concen: 58.137 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	157249		
67	53.0	0.0	107.2	

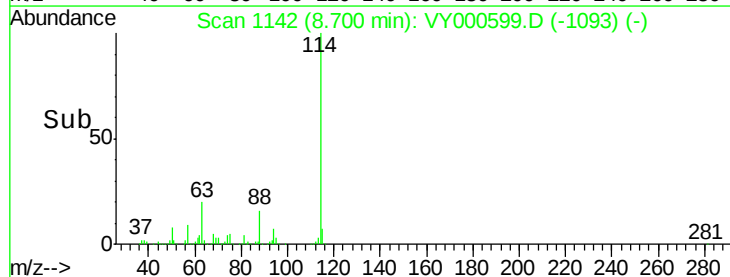
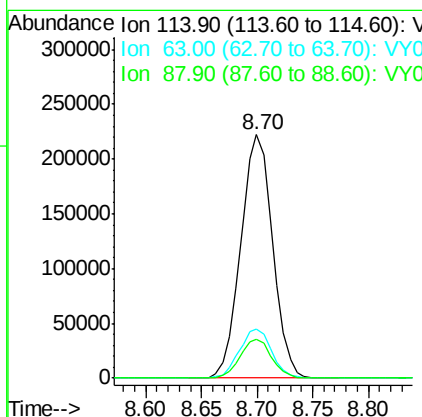
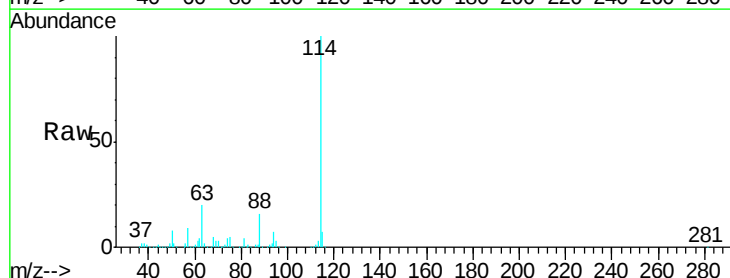
Manual Integrations
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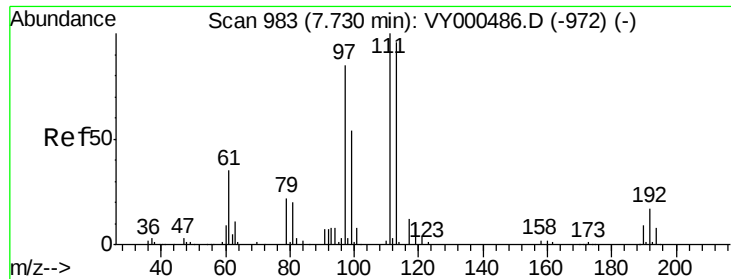
MMDadoda
 11/8/2019 4:07:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	441513		
63	20.3	0.0	38.0	
88	15.7	0.0	28.6	





#35

Dibromofluoromethane

Concen: 52.856 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

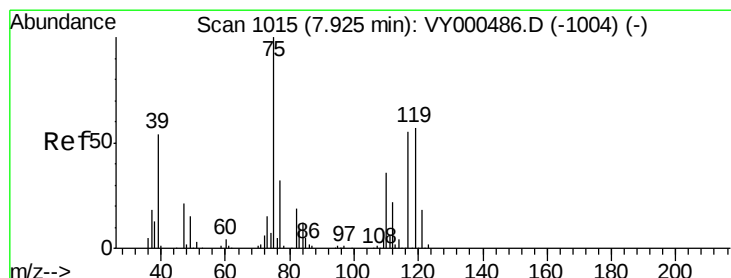
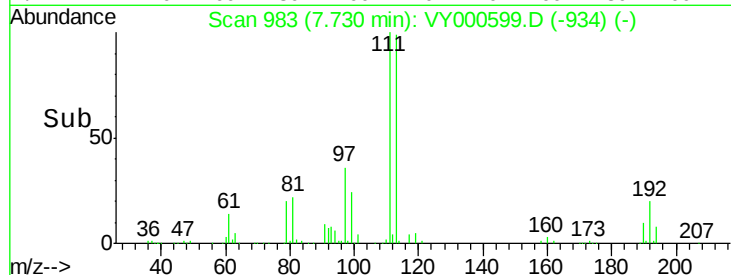
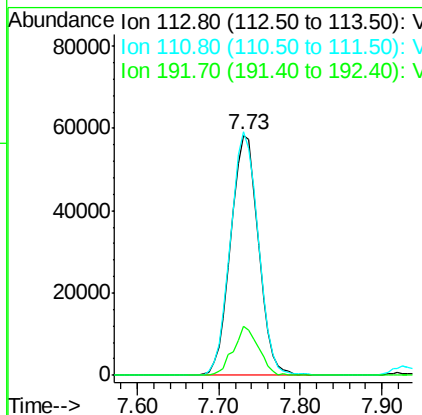
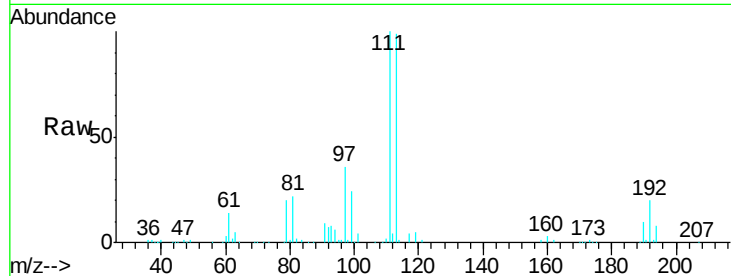
ClientSampleId :

VY1107SBS02

Tgt Ion:	113	Resp:	137002
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.7	122.5
192	18.6	15.0	22.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.592 ug/l

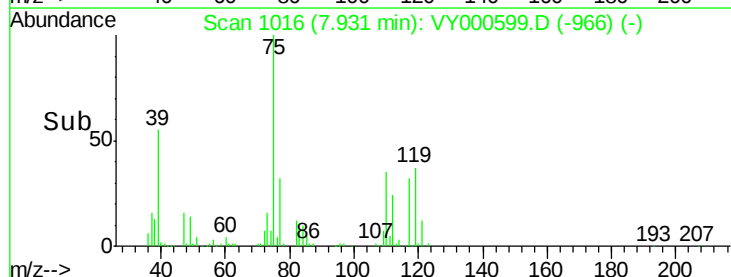
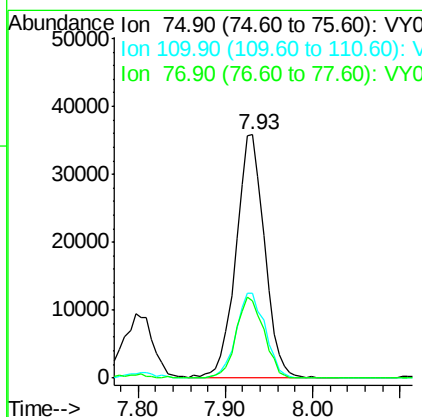
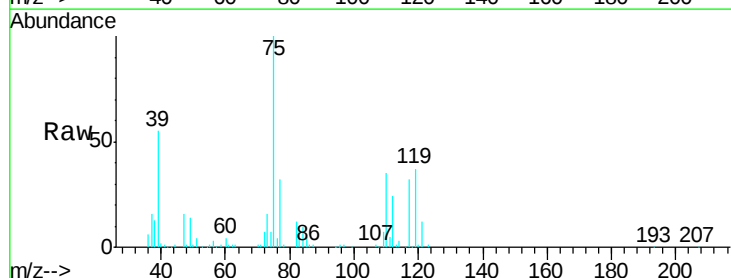
RT: 7.93 min Scan# 1016

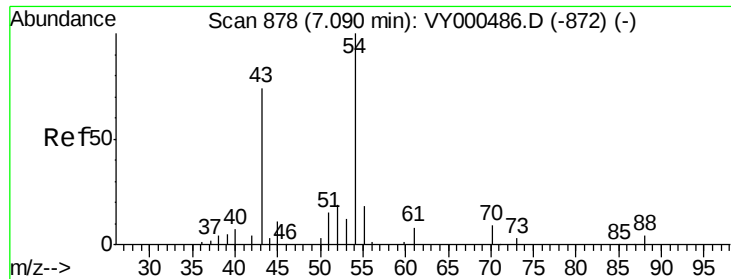
Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	75	Resp:	81772
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.1	54.1
77	32.4	25.0	37.6





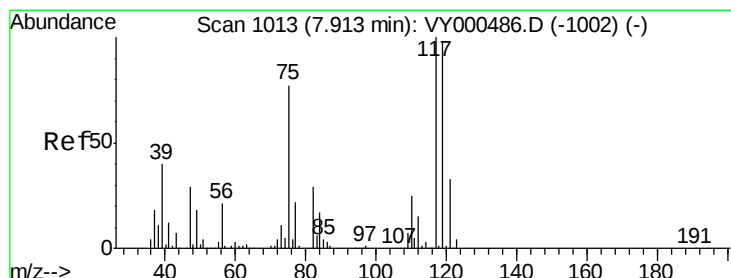
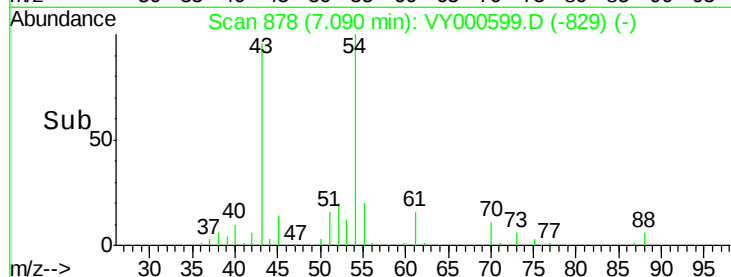
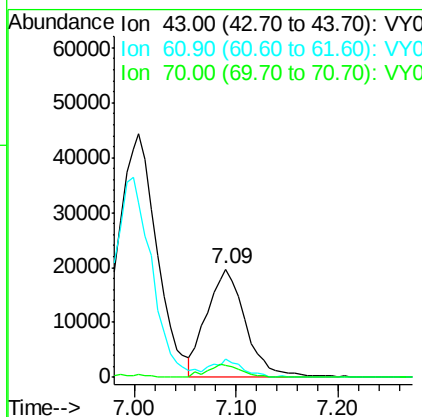
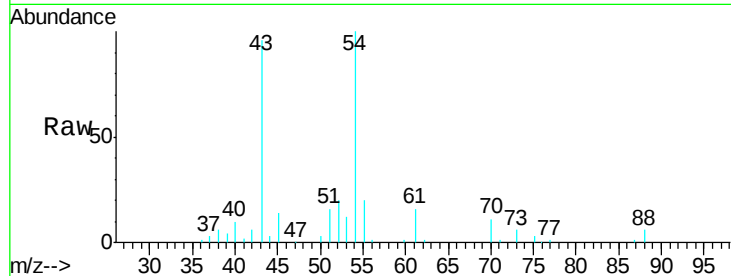
#37
Ethyl Acetate
Concen: 21.006 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampled :
VY1107SBS02

Tgt Ion: 43 Resp: 52054
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.2
70 10.6 7.8 11.8

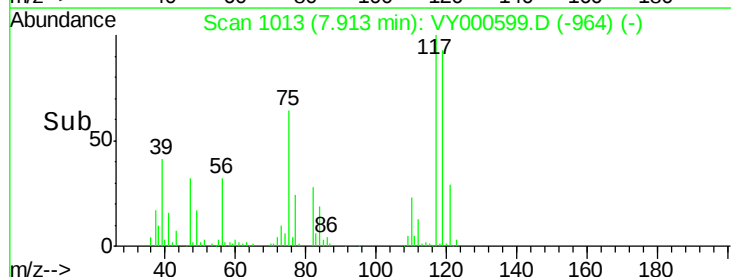
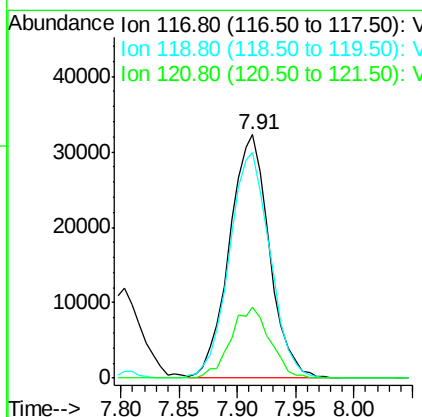
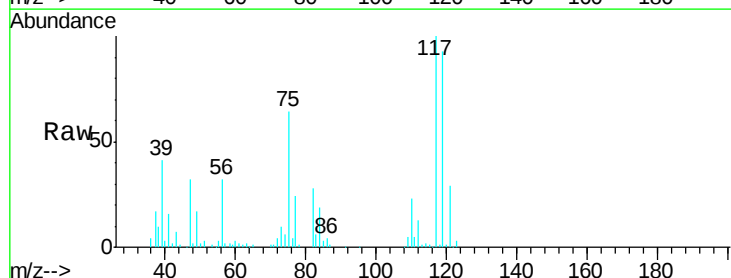
Manual Integrations
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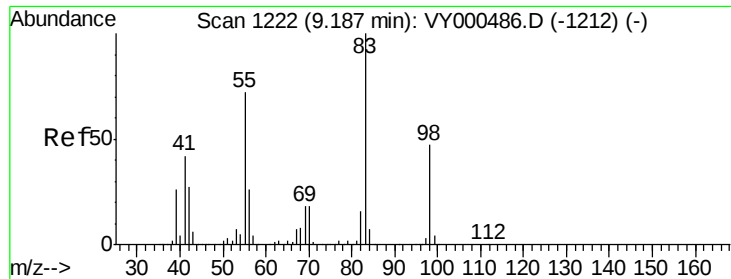
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#38
Carbon Tetrachloride
Concen: 19.157 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 117 Resp: 76939
Ion Ratio Lower Upper
117 100
119 92.5 78.0 117.0
121 29.3 26.6 40.0





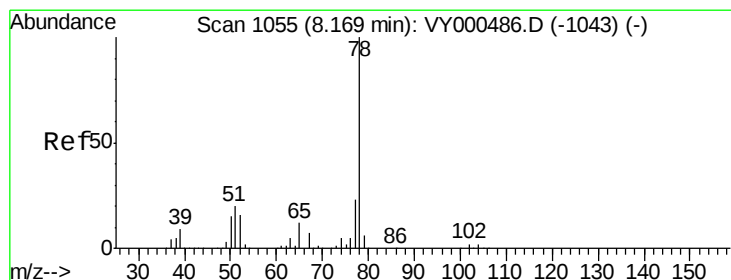
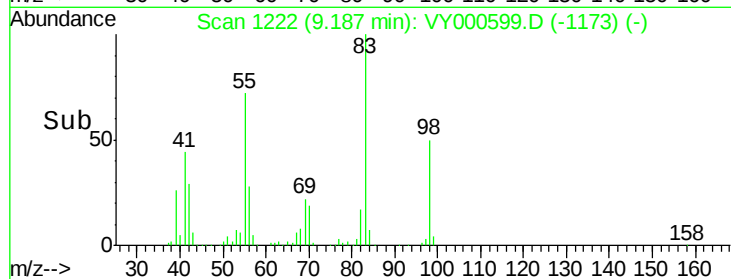
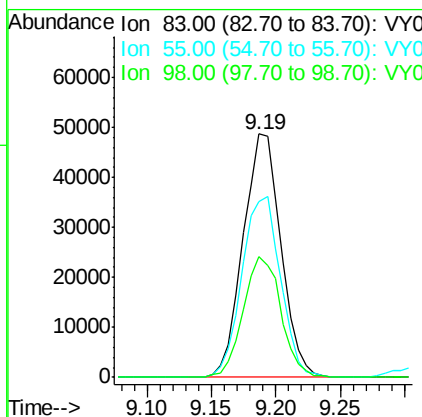
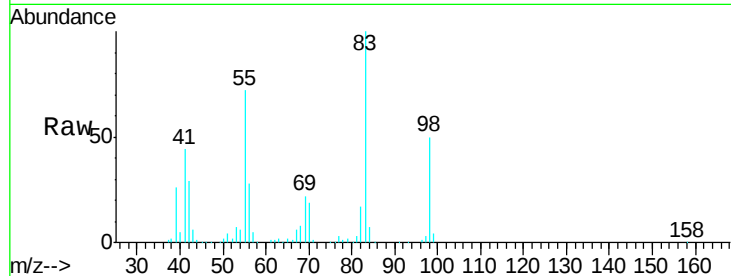
#39
Methylcyclohexane
Concen: 18.304 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.5	86.3
98	49.8	38.0	57.0

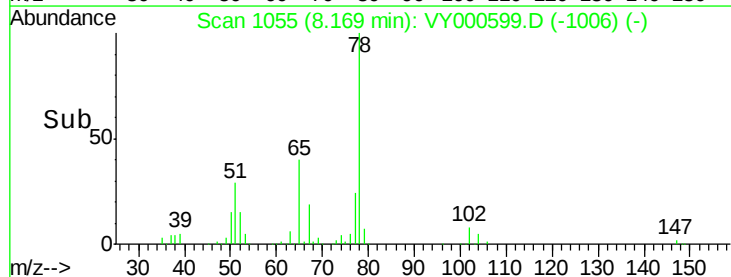
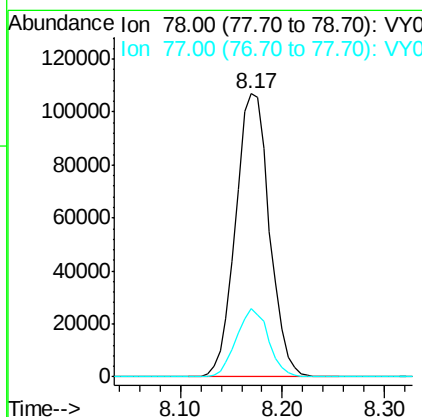
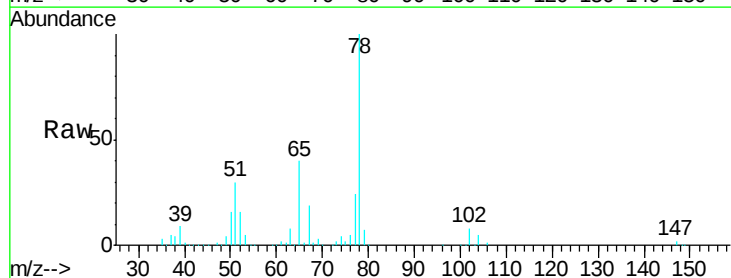
Manual Integrations
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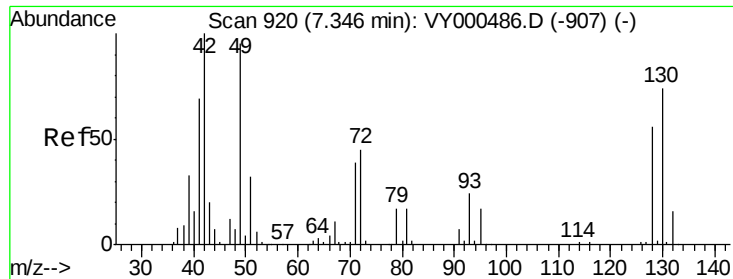
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#40
Benzene
Concen: 20.113 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0





#41

Methacrylonitrile

Concen: 22.253 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 41 Resp: 30762

Ion Ratio Lower Upper

41 100

39 0.0 68.2 102.4#

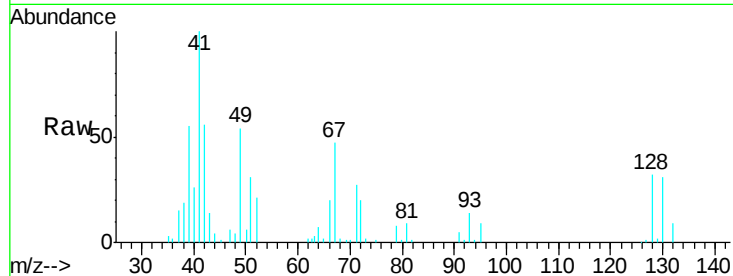
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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11/8/2019 4:07:20 PM

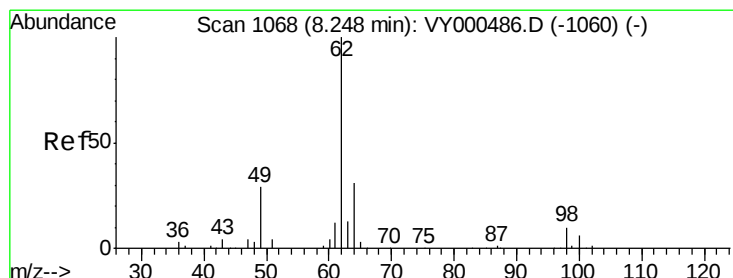
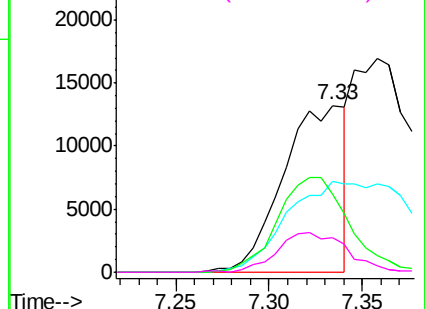
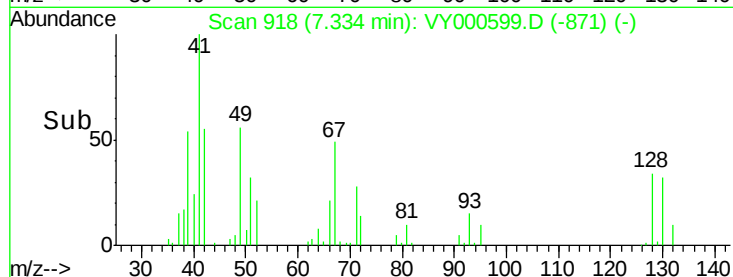


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.443 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000599.D

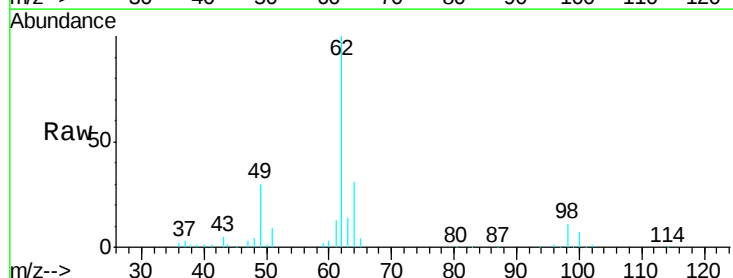
Acq: 07 Nov 2019 23:09

Tgt Ion: 62 Resp: 74422

Ion Ratio Lower Upper

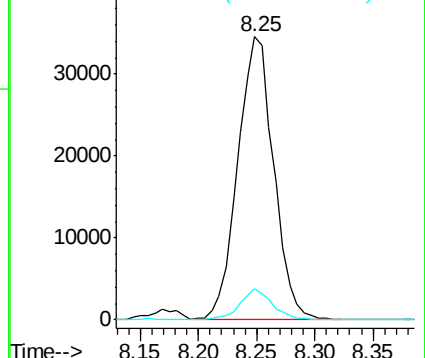
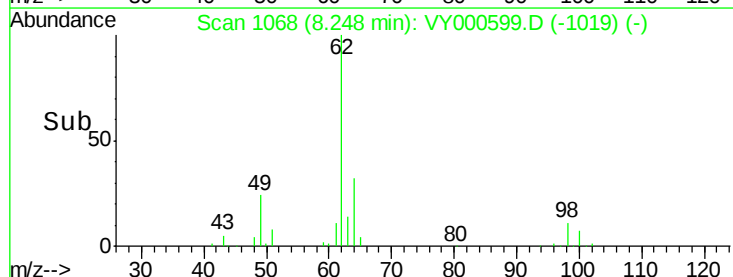
62 100

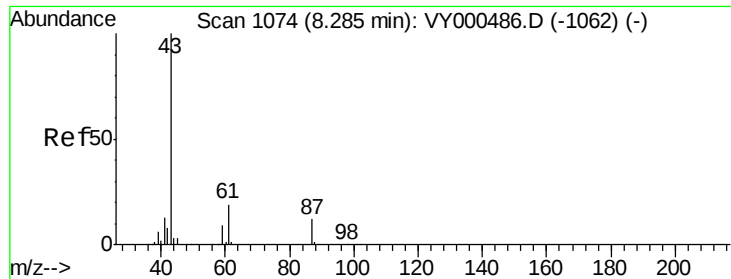
98 9.9 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





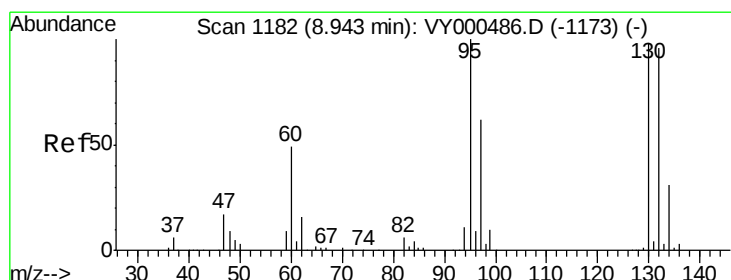
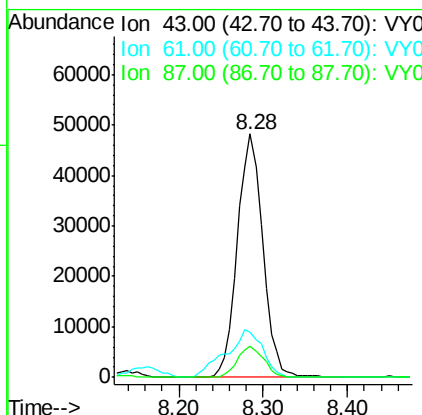
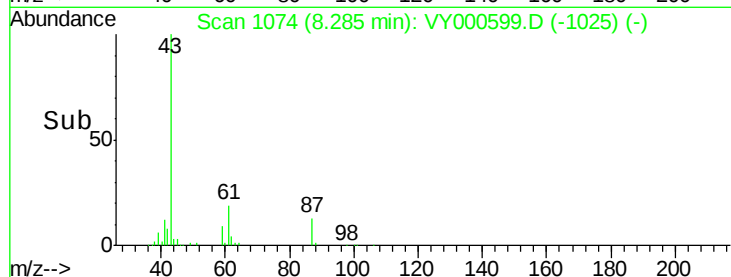
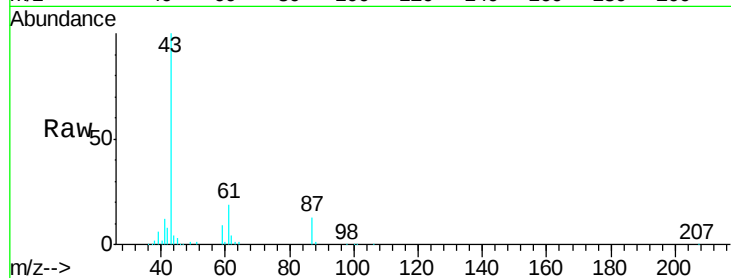
#43
Isopropyl Acetate
Concen: 20.995 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	13.2	10.5	15.7

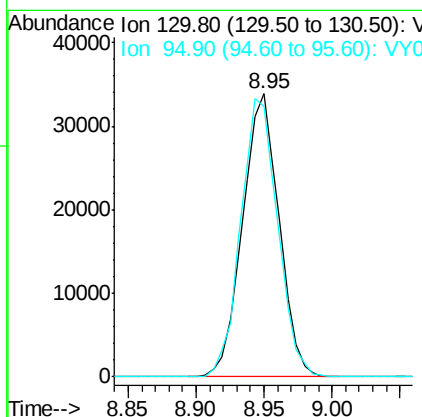
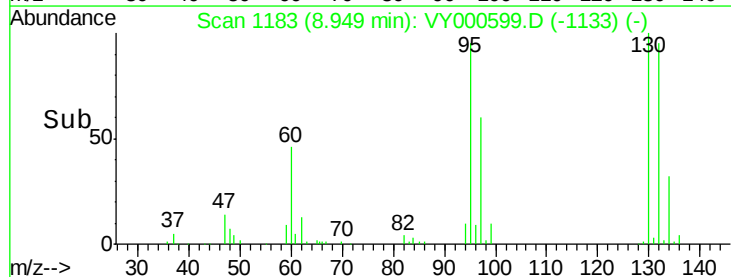
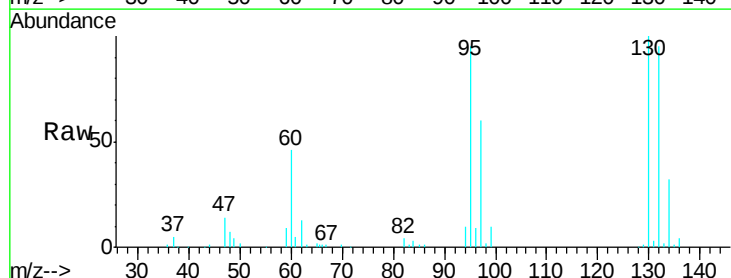
Manual Integrations
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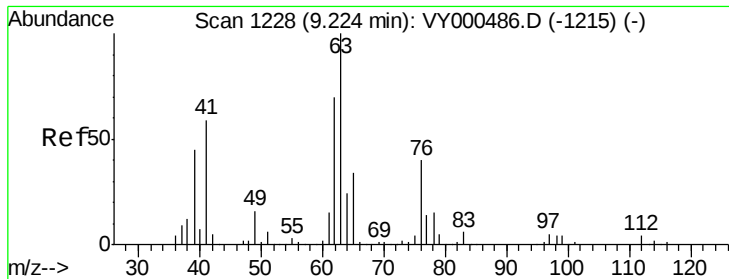
MMDadoda
11/8/2019 4:07:20 PM



#44
Trichloroethene
Concen: 19.676 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	203.2





#45

1,2-Dichloropropane

Concen: 20.859 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 63 Resp: 62822

Ion Ratio Lower Upper

63 100

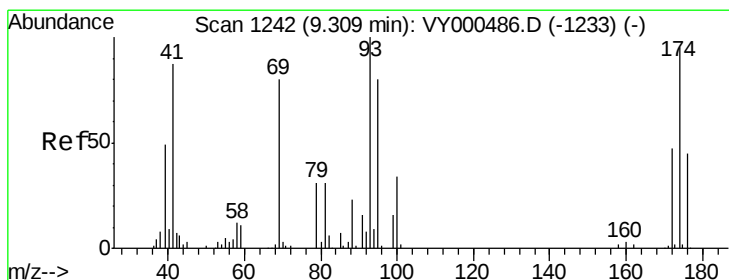
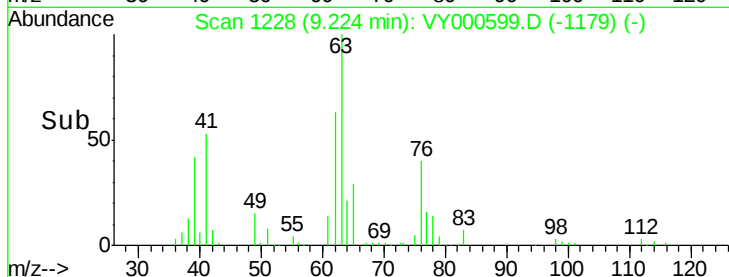
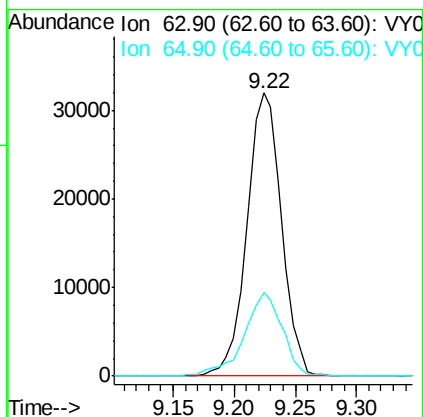
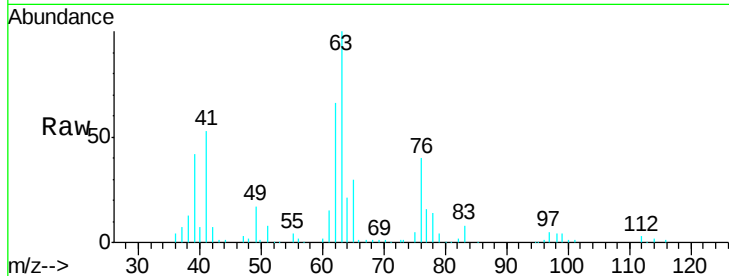
65 29.7 27.0 40.4

Manual Integrations

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#46

Dibromomethane

Concen: 20.690 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

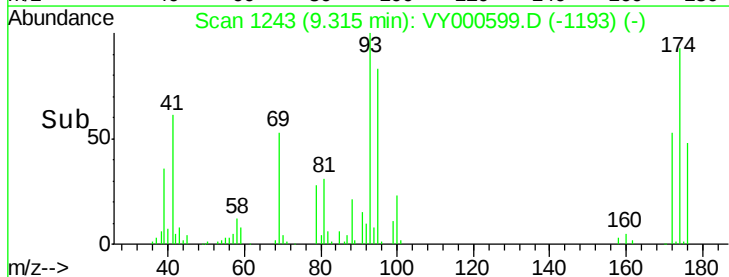
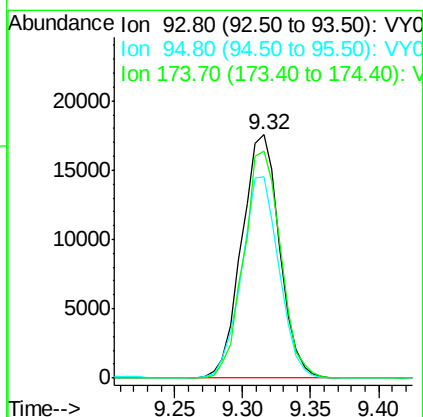
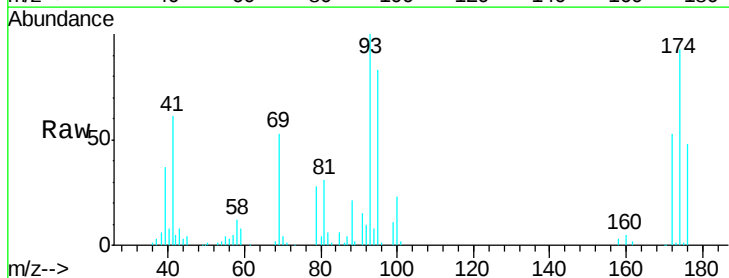
Tgt Ion: 93 Resp: 34269

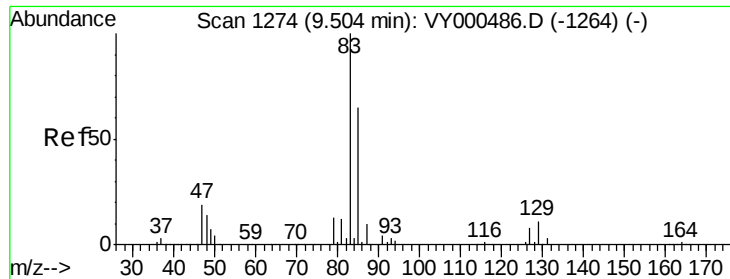
Ion Ratio Lower Upper

93 100

95 81.8 66.4 99.6

174 91.0 77.1 115.7





#47

Bromodichloromethane

Concen: 20.173 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

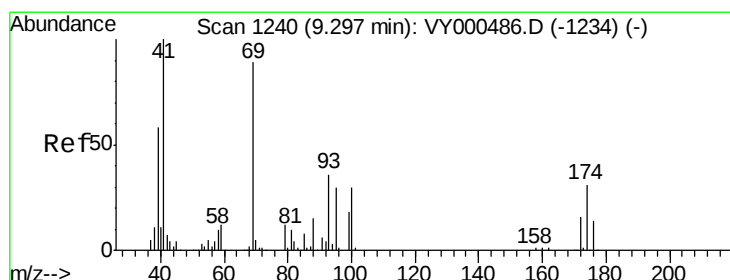
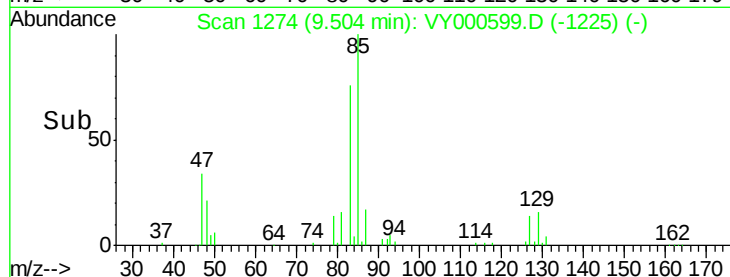
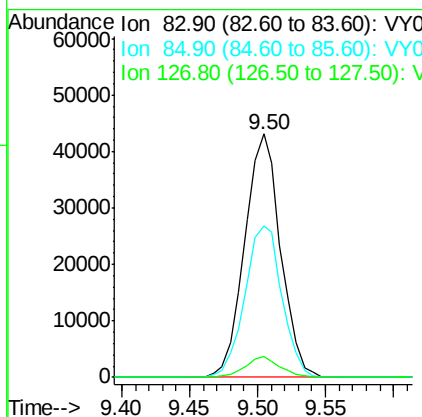
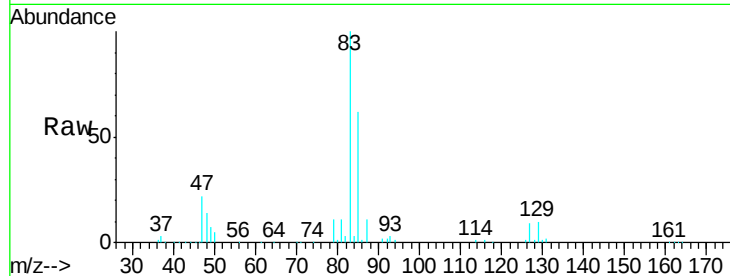
ClientSampleId :

VY1107SBS02

Tgt Ion:	83	Resp:	79283
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.8
127	8.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.660 ug/l

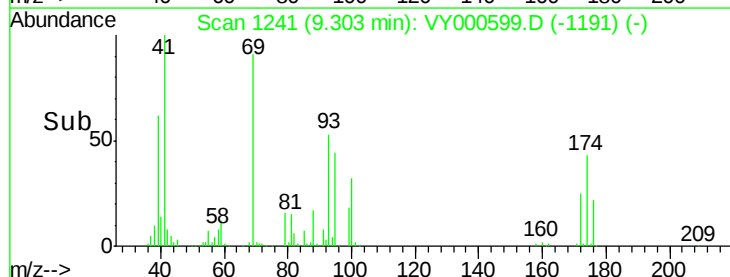
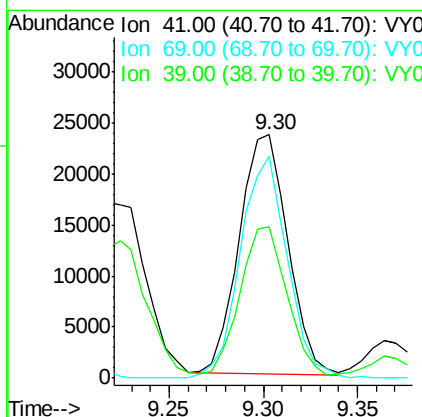
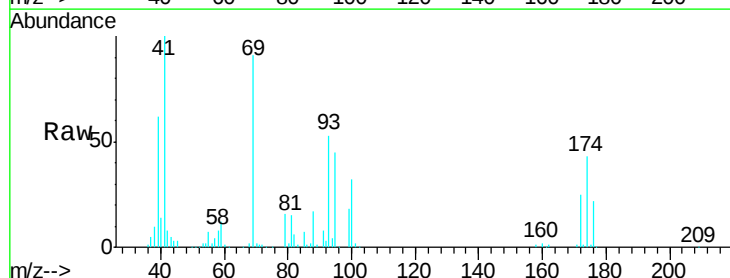
RT: 9.30 min Scan# 1241

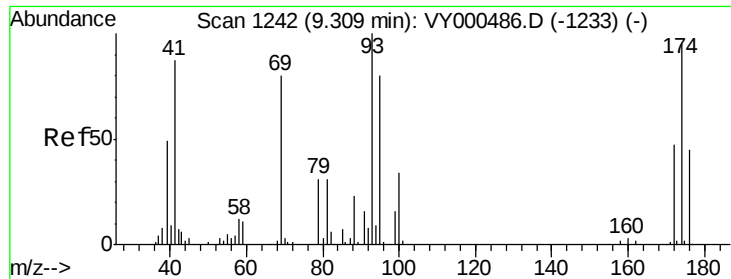
Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	41	Resp:	42019
Ion	Ratio	Lower	Upper
41	100		
69	89.4	72.5	108.7
39	62.4	47.8	71.8





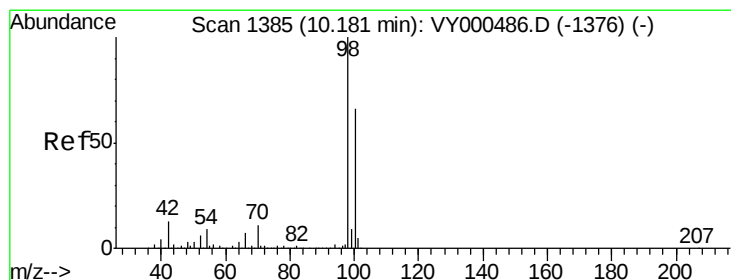
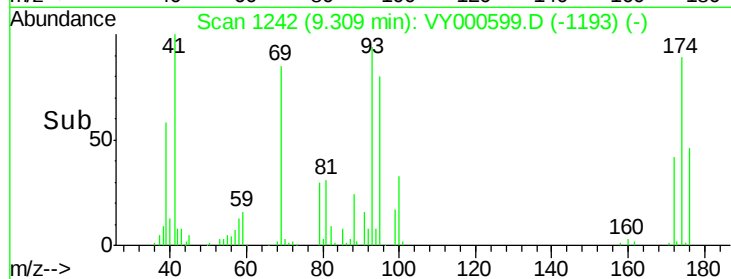
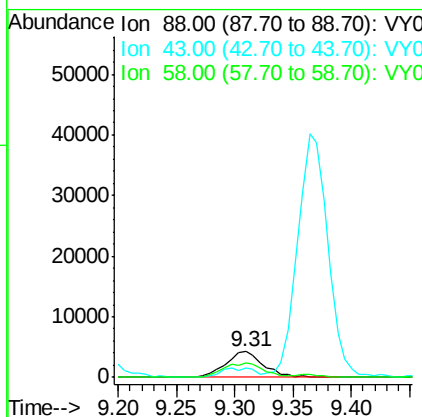
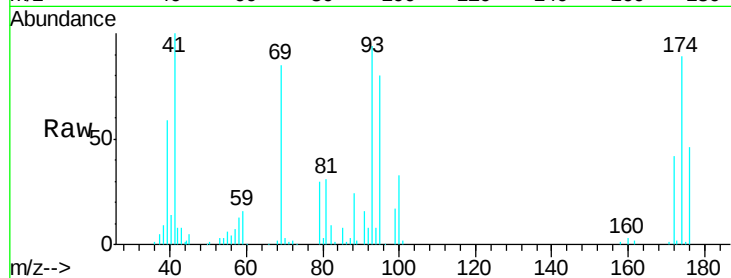
#49
 1,4-Dioxane
 Concen: 429.894 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion: 88 Resp: 9583
 Ion Ratio Lower Upper
 88 100
 43 32.8 25.1 37.7
 58 59.1 50.6 75.8

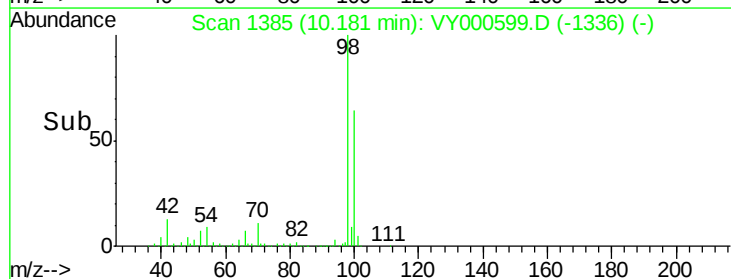
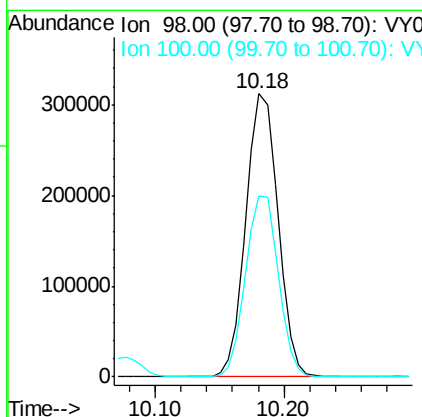
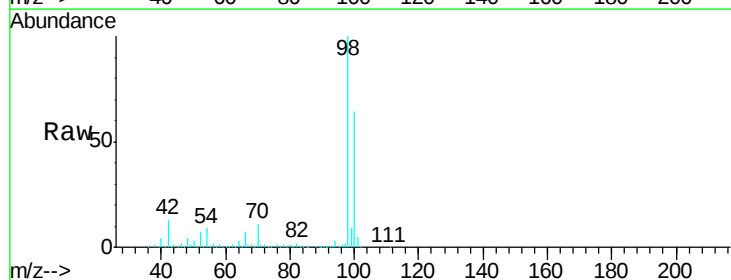
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#50
 Toluene-d8
 Concen: 54.696 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion: 98 Resp: 537942
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.9 79.3





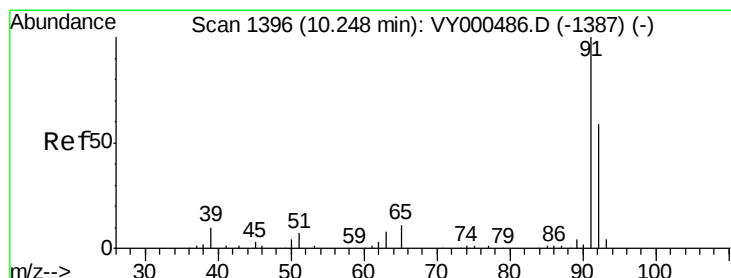
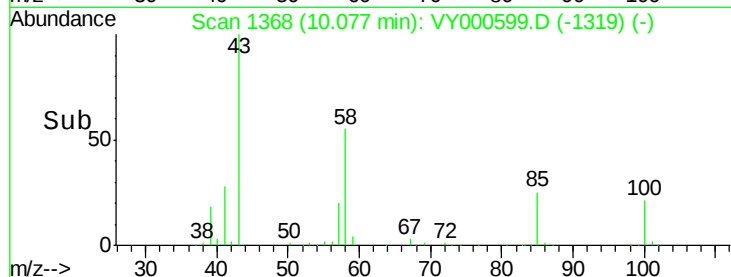
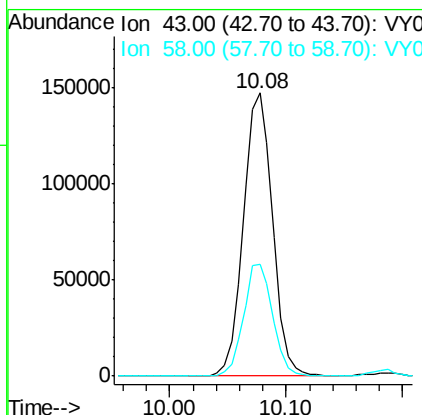
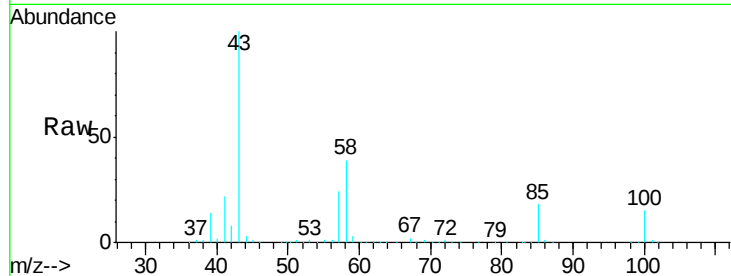
#51
4-Methyl-2-Pentanone
Concen: 103.591 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion: 43 Resp: 256381
Ion Ratio Lower Upper
43 100
58 39.5 30.2 45.4

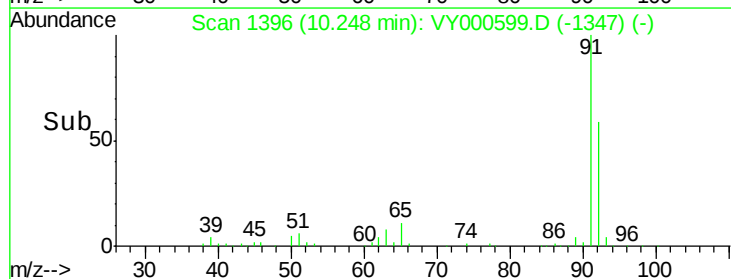
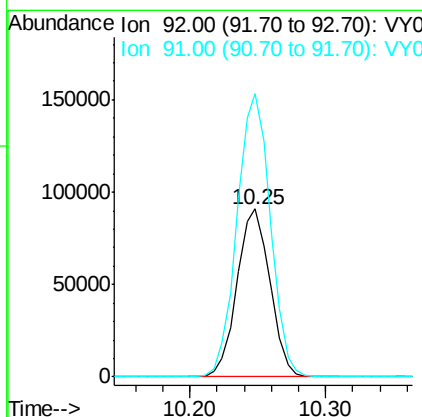
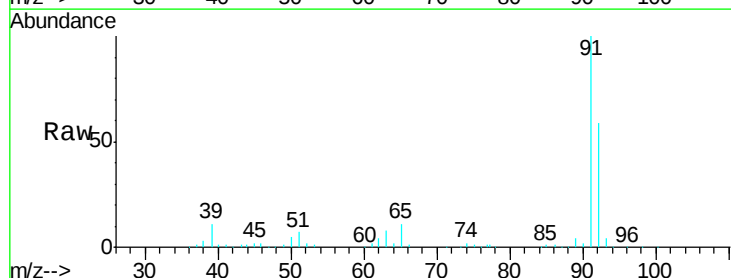
Manual Integrations
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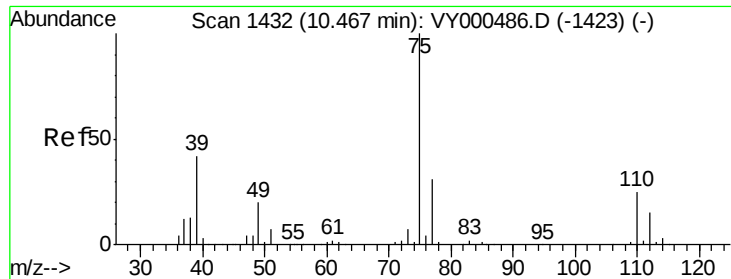
MMDadoda
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#52
Toluene
Concen: 19.871 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 92 Resp: 153735
Ion Ratio Lower Upper
92 100
91 170.5 136.3 204.5





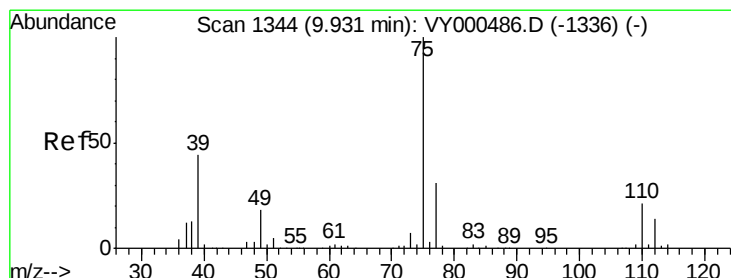
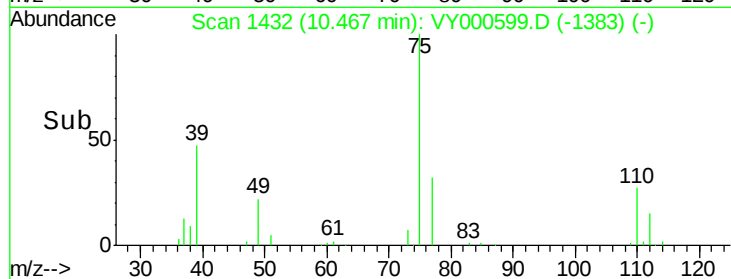
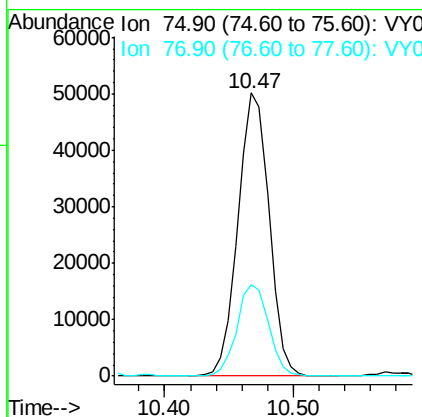
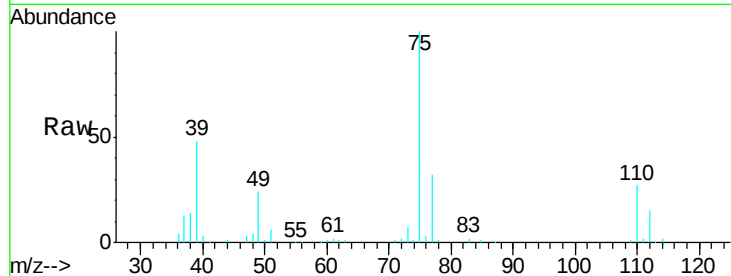
#53
t-1,3-Dichloropropene
Concen: 19.926 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion: 75 Resp: 83675
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0

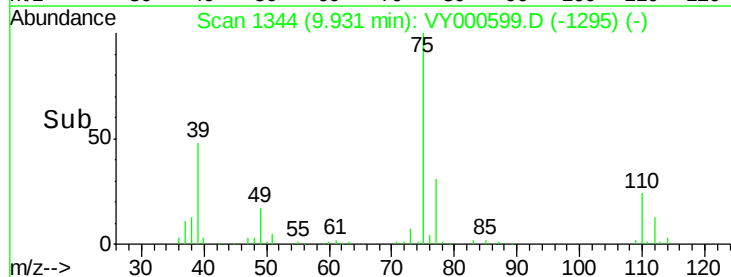
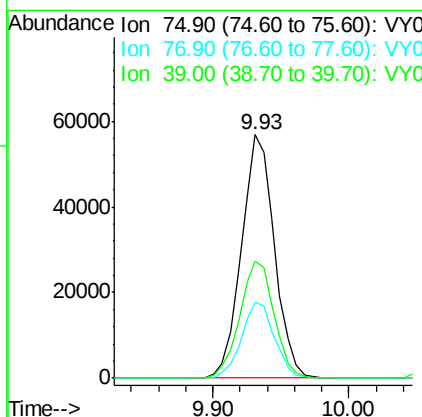
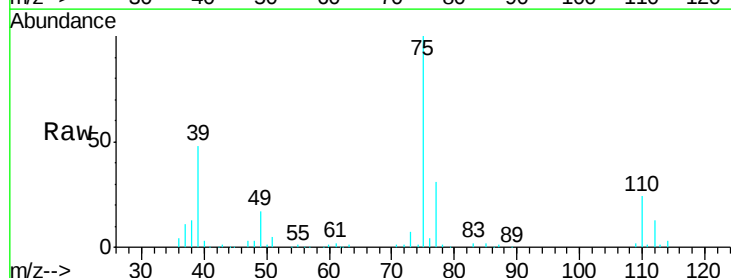
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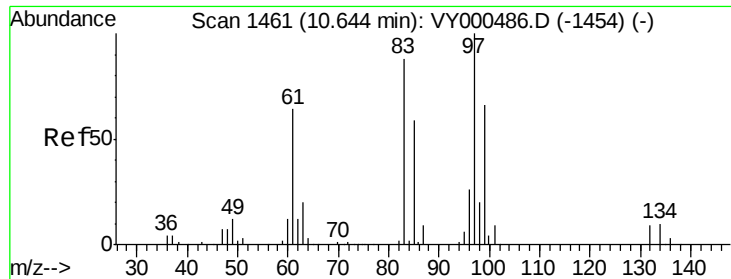
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.925 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 75 Resp: 95855
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 48.0 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 20.337 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

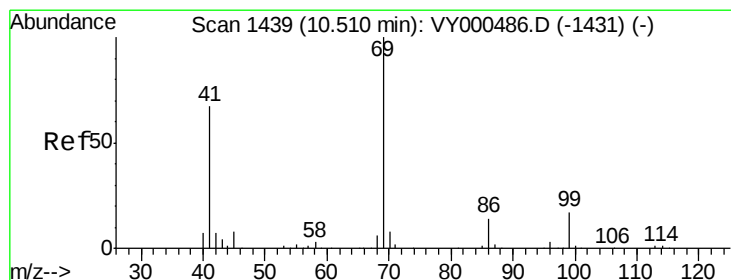
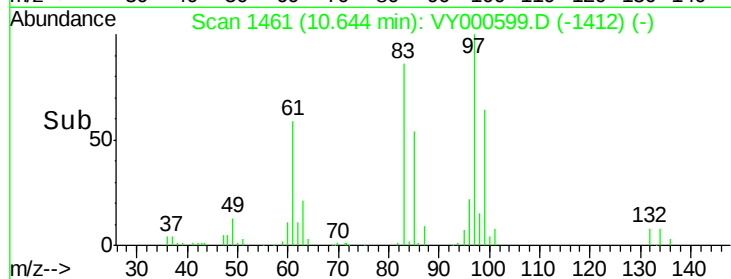
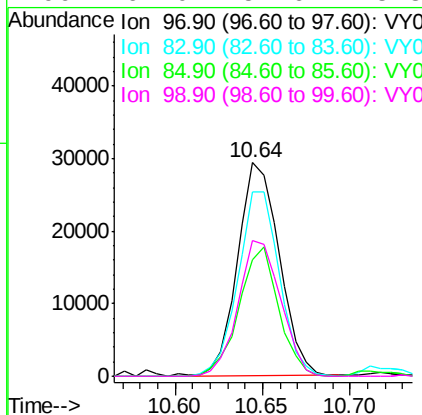
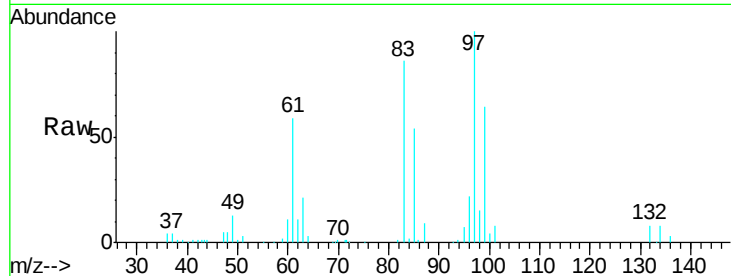
ClientSampleId :

VY1107SBS02

Tgt Ion:	97	Resp:	48721
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.2	105.4
85	54.5	46.9	70.3
99	64.0	52.6	78.8

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#56

Ethyl methacrylate

Concen: 20.658 ug/l

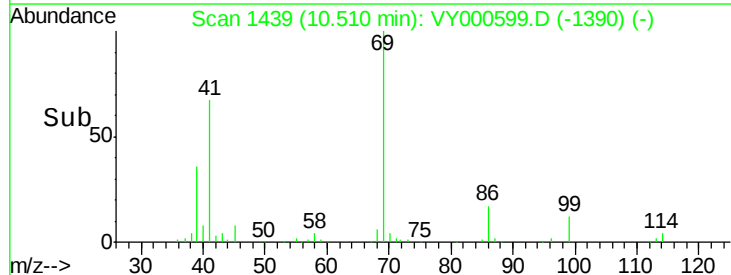
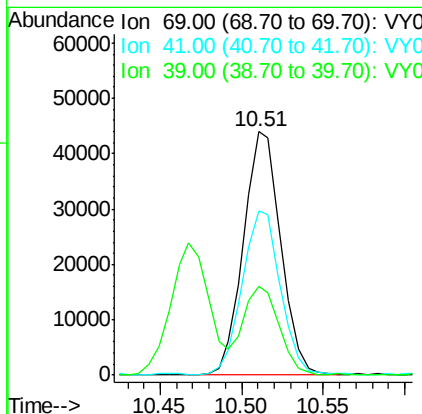
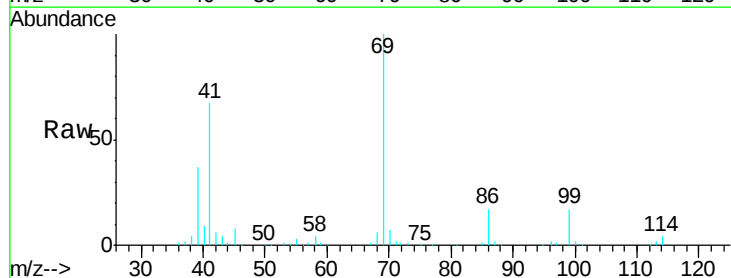
RT: 10.51 min Scan# 1439

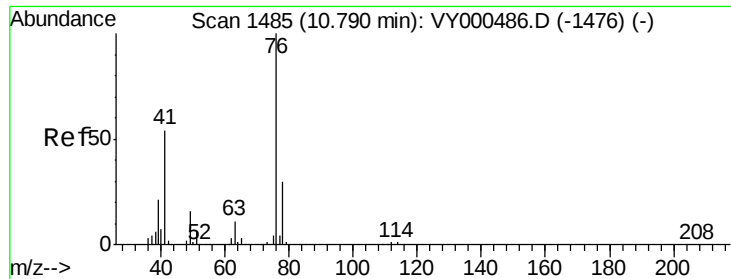
Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	69	Resp:	70144
Ion	Ratio	Lower	Upper
69	100		
41	69.4	53.3	79.9
39	34.8	28.0	42.0





#57

1,3-Dichloropropane

Concen: 20.622 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.01 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 76 Resp: 86467

Ion Ratio Lower Upper

76 100

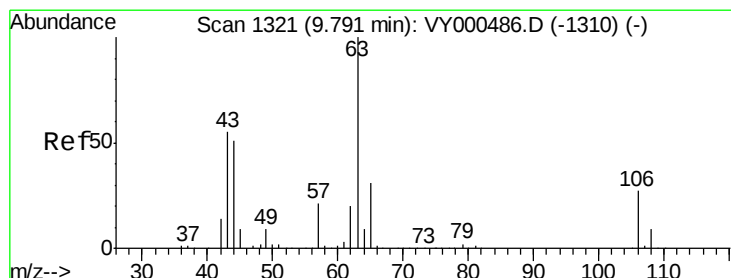
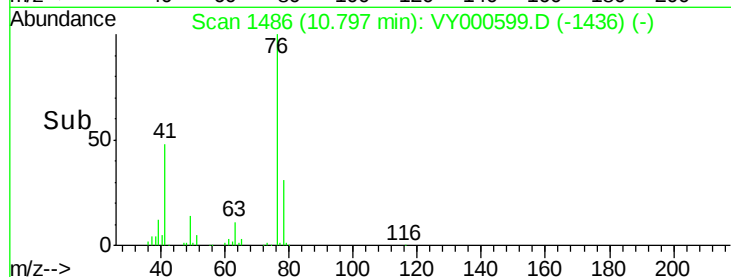
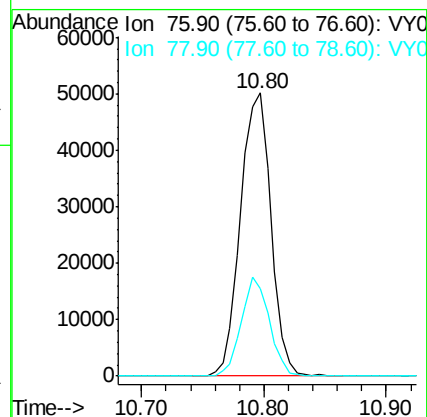
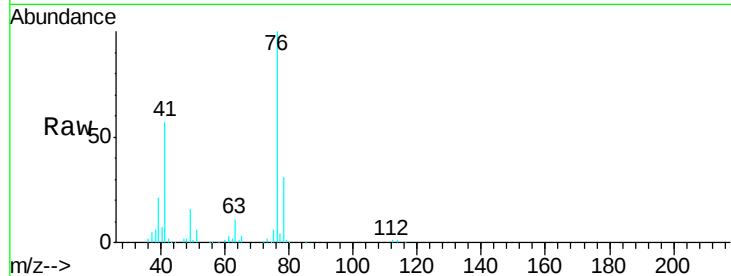
78 32.1 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 104.284 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY000599.D

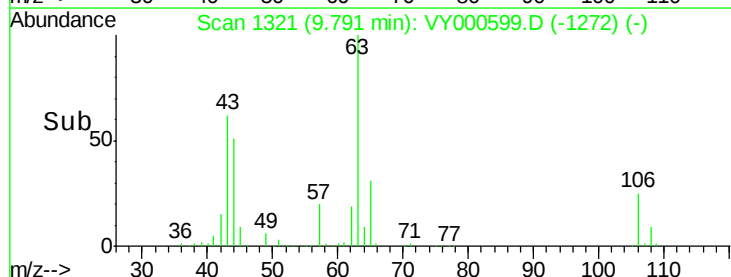
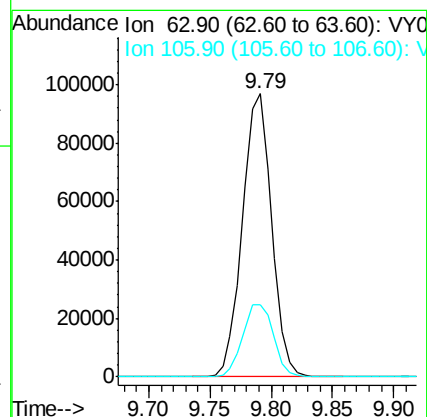
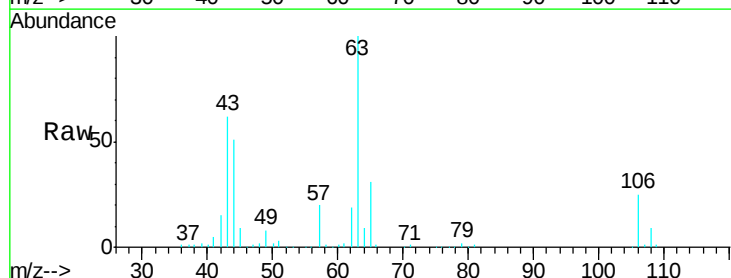
Acq: 07 Nov 2019 23:09

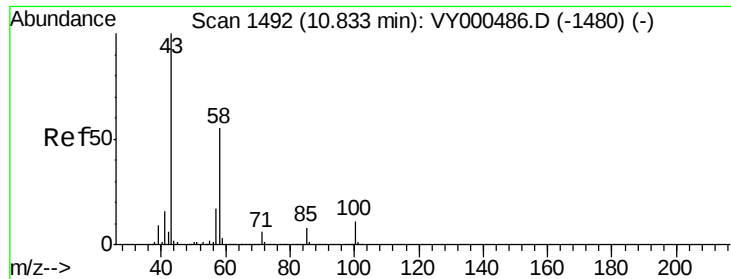
Tgt Ion: 63 Resp: 160081

Ion Ratio Lower Upper

63 100

106 27.1 22.6 33.8





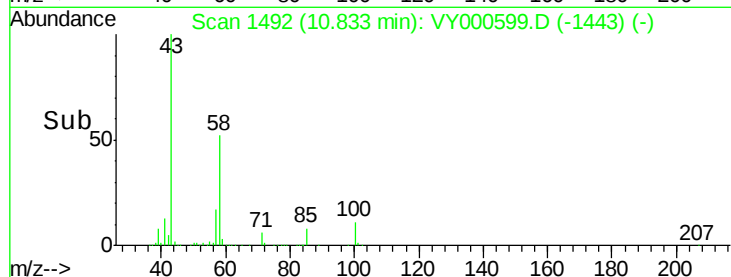
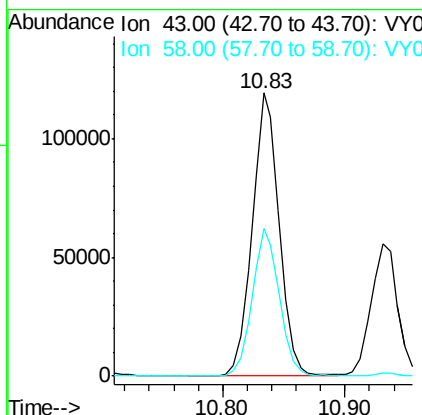
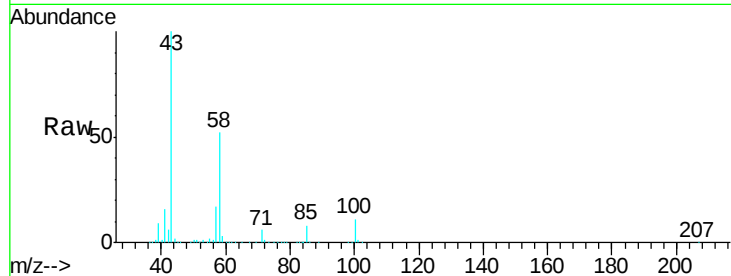
#59
2-Hexanone
Concen: 101.444 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampled :
VY1107SBS02

Tgt Ion: 43 Resp: 182926
Ion Ratio Lower Upper
43 100
58 52.5 27.1 81.3

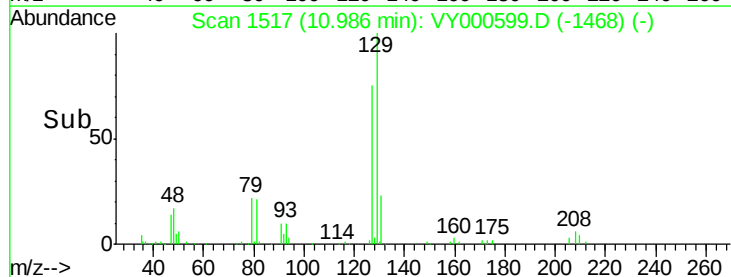
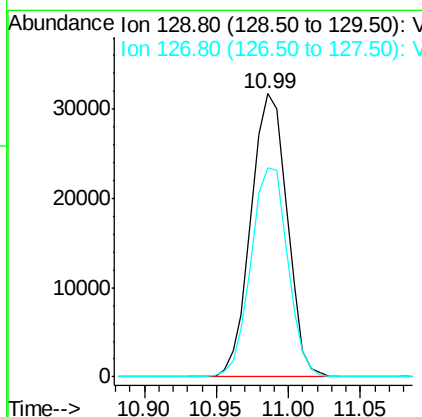
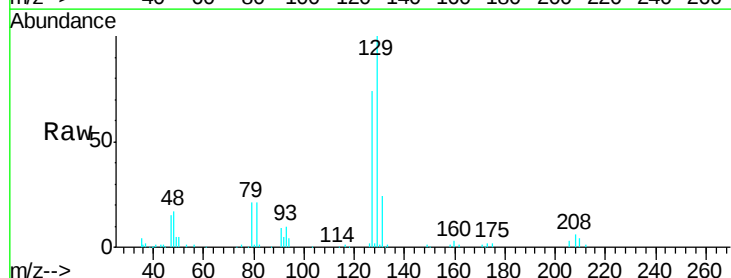
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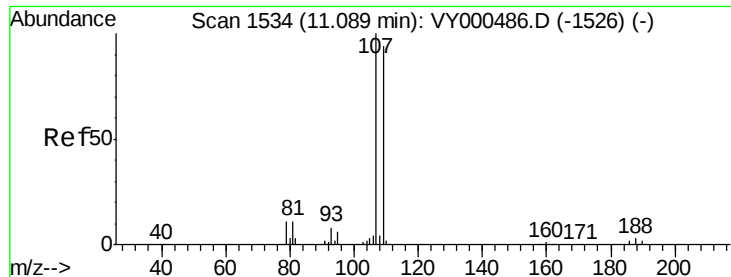
MMDadoda
11/8/2019 4:07:20 PM



#60
Dibromochloromethane
Concen: 20.145 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 129 Resp: 55280
Ion Ratio Lower Upper
129 100
127 74.8 39.1 117.2





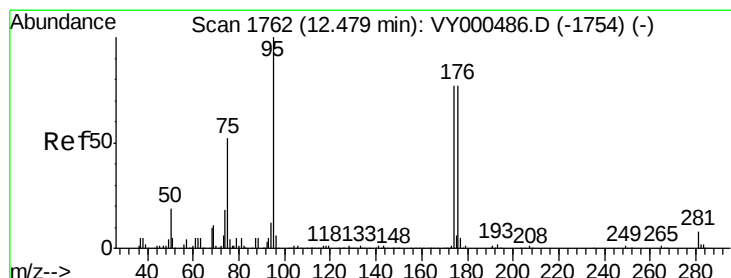
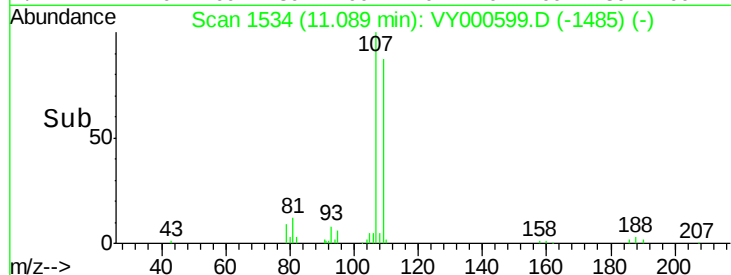
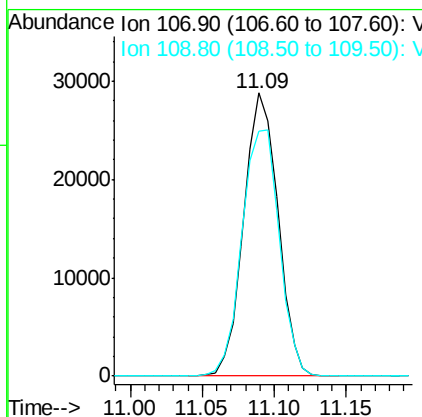
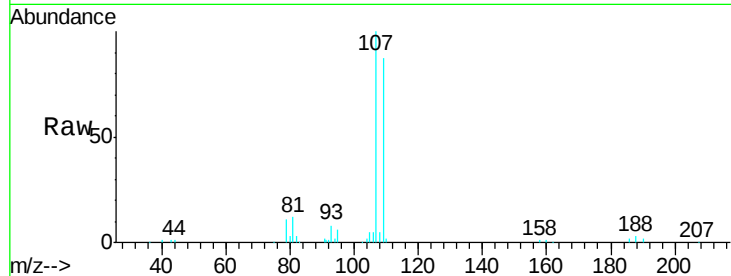
#61
 1,2-Dibromoethane
 Concen: 20.592 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion: 107 Resp: 47433
 Ion Ratio Lower Upper
 107 100
 109 94.8 73.6 110.4

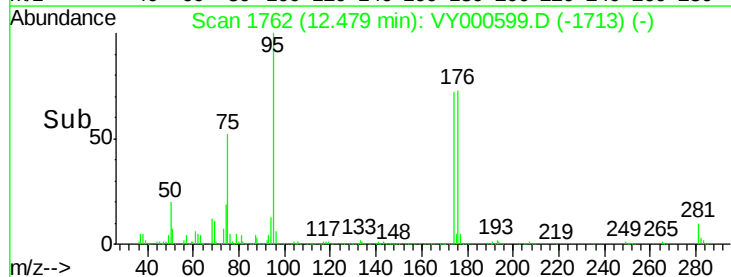
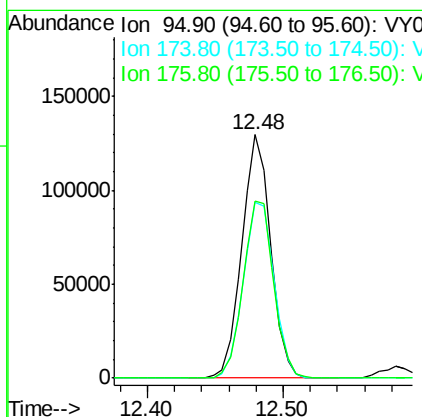
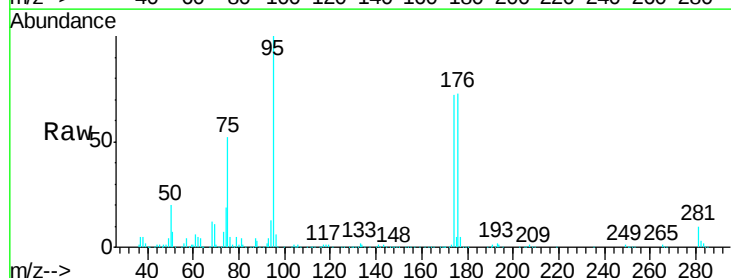
Manual Integrations
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 11/8/2019 4:07:20 PM



#62
 4-Bromofluorobenzene
 Concen: 51.160 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion: 95 Resp: 191554
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 161.6
 176 76.8 0.0 157.8





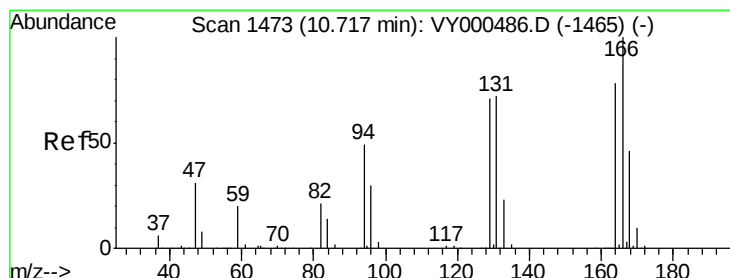
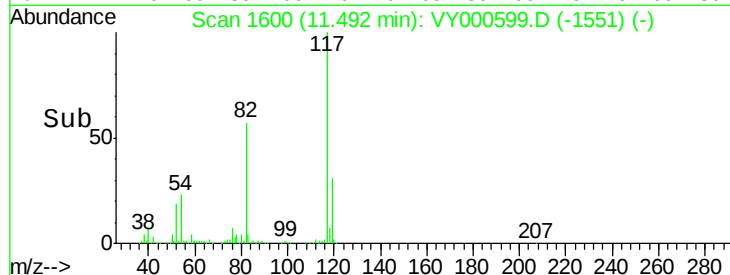
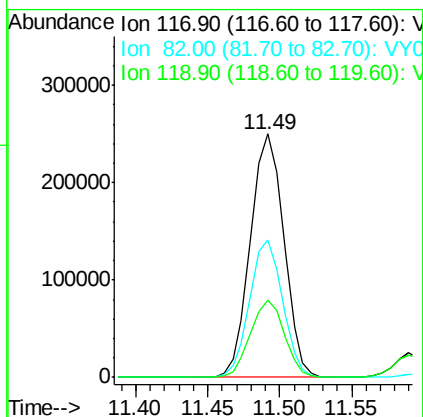
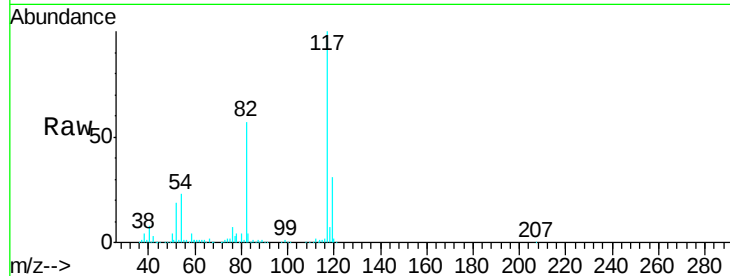
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	401852		
82	56.6		40.8	61.2
119	31.5		26.2	39.2

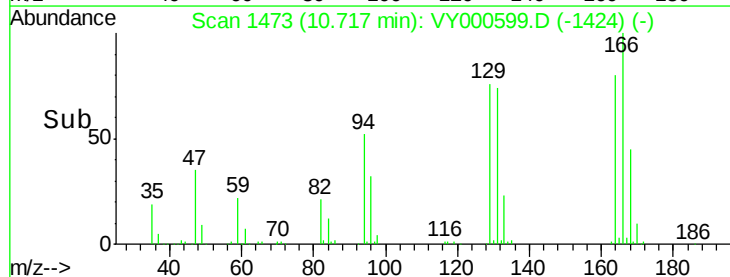
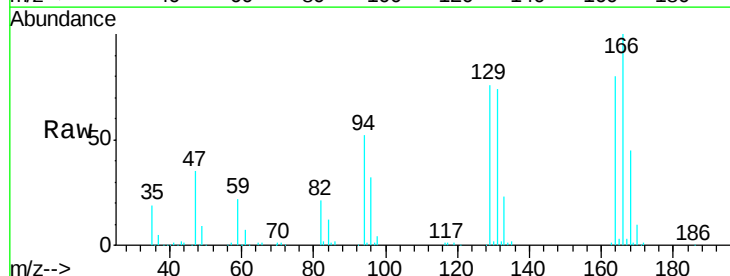
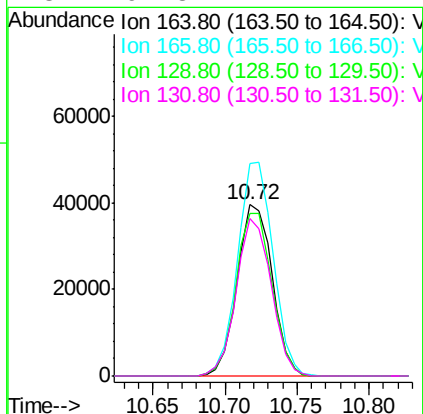
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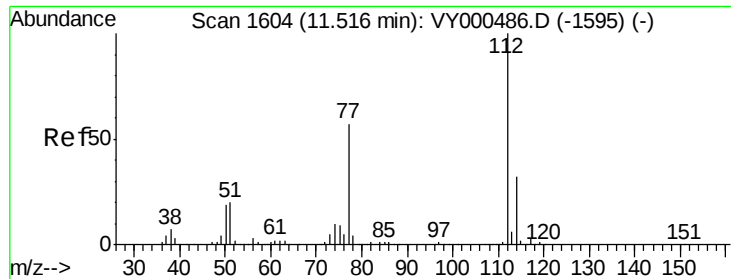
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#64
Tetrachloroethene
Concen: 20.181 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67059		
166	124.5		102.7	154.1
129	95.1		73.2	109.8
131	91.8		74.2	111.2





#65

Chlorobenzene

Concen: 19.771 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion:112 Resp: 161087

Ion Ratio Lower Upper

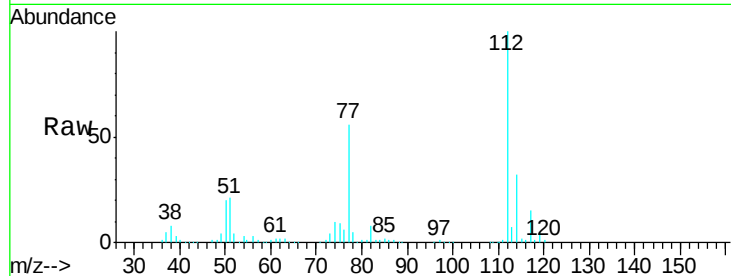
112 100

114 32.2 25.3 37.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

120000

100000

80000

60000

40000

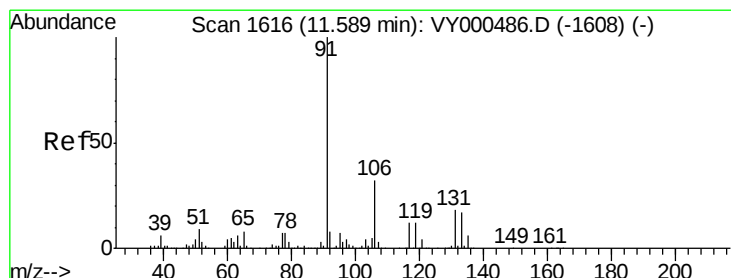
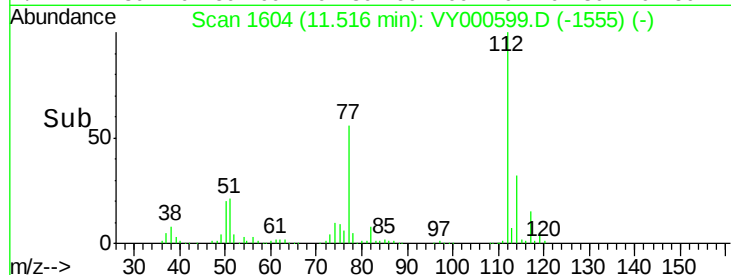
20000

0

11.50

11.60

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.863 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

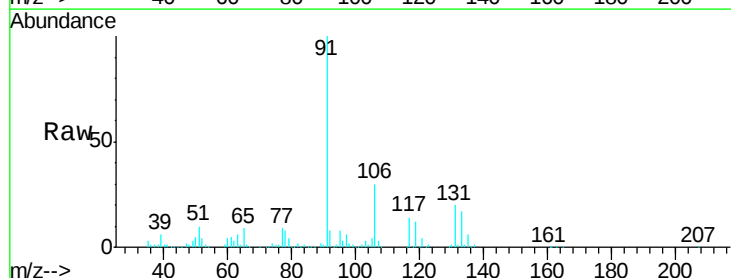
Tgt Ion:131 Resp: 56125

Ion Ratio Lower Upper

131 100

133 94.8 47.9 143.8

119 66.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

50000

40000

30000

20000

10000

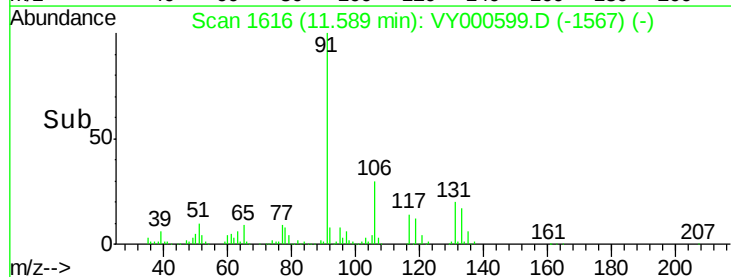
0

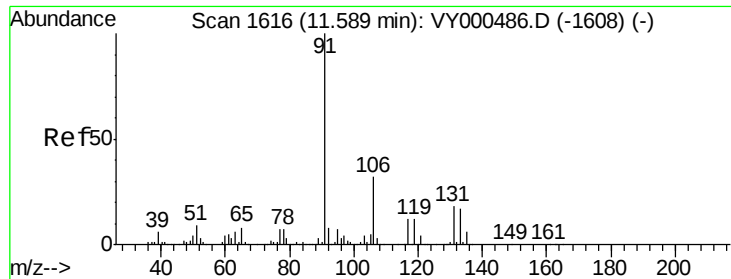
11.55

11.60

11.65

Time-->





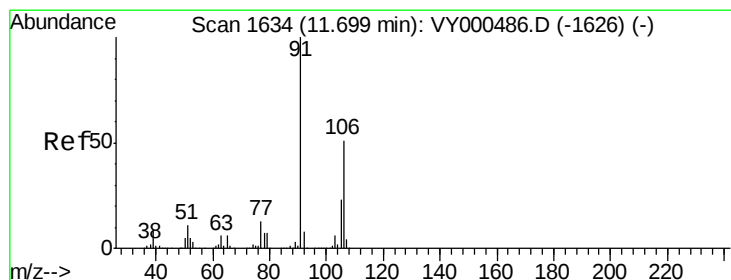
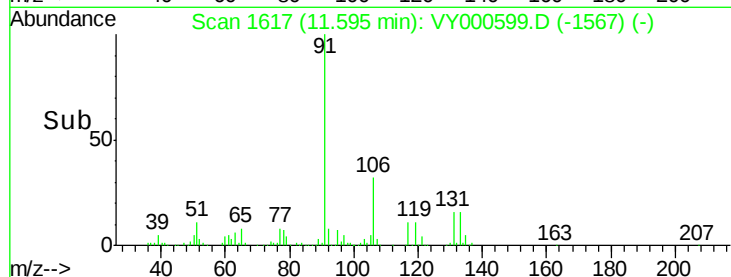
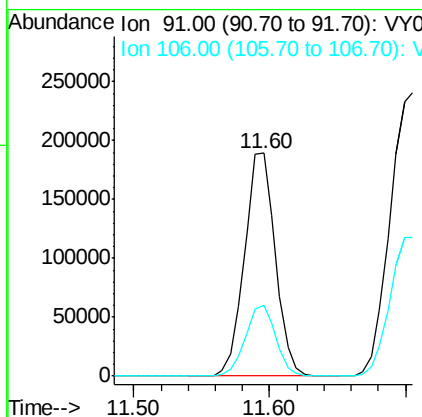
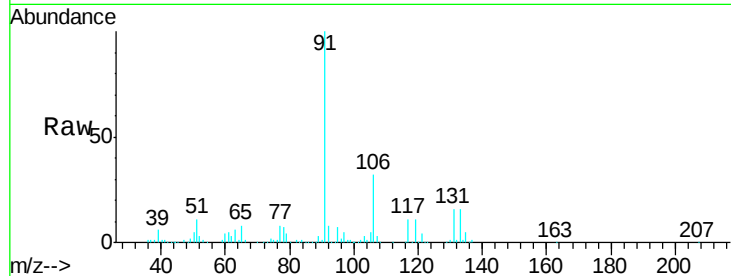
#67
Ethyl Benzene
Concen: 20.010 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion: 91 Resp: 300052
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0

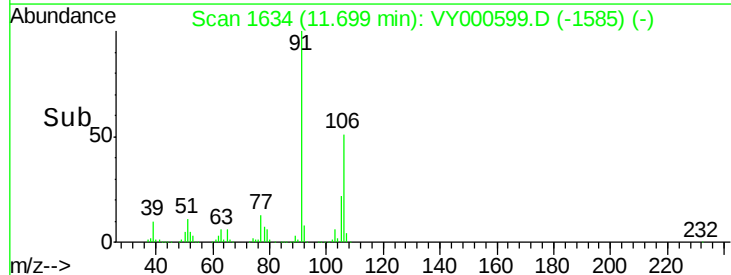
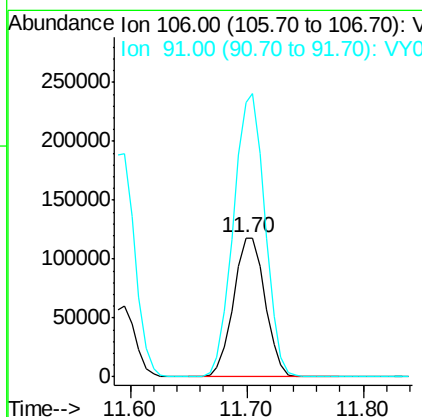
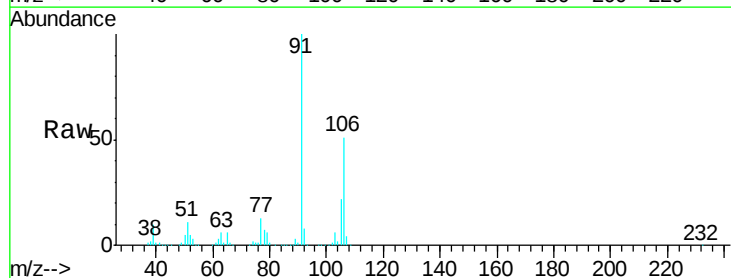
Manual Integrations
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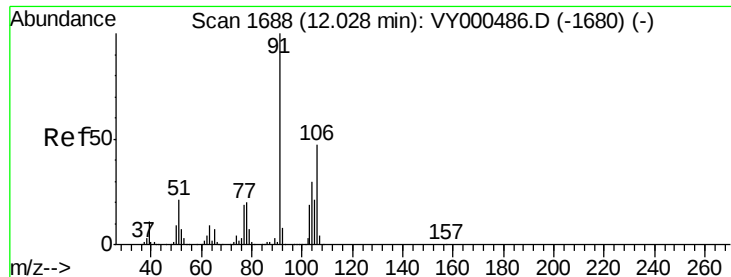
MMDadoda
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#68
m/p-Xylenes
Concen: 38.682 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion: 106 Resp: 224493
Ion Ratio Lower Upper
106 100
91 201.5 155.9 233.9





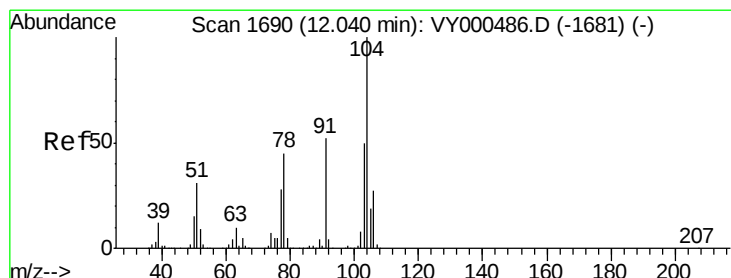
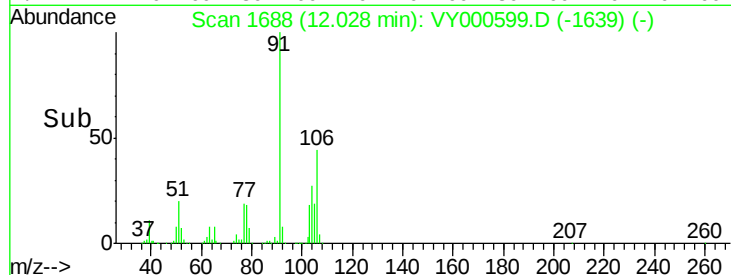
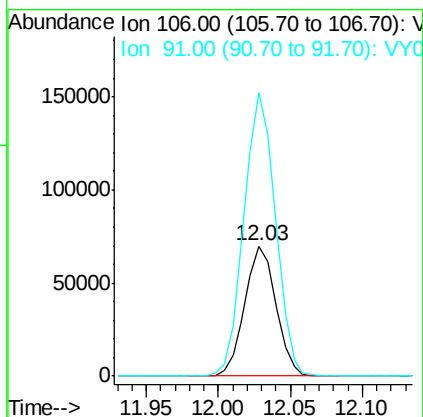
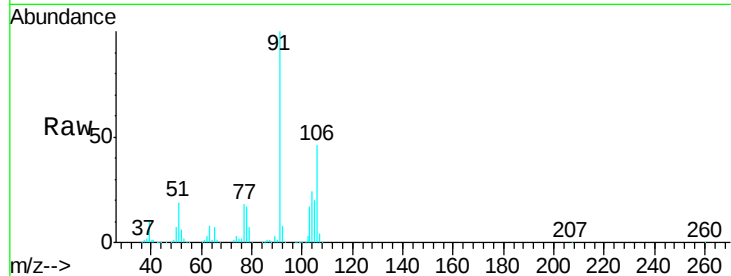
#69
o-Xylene
Concen: 19.247 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion:106 Resp: 104979
Ion Ratio Lower Upper
106 100
91 219.2 106.5 319.6

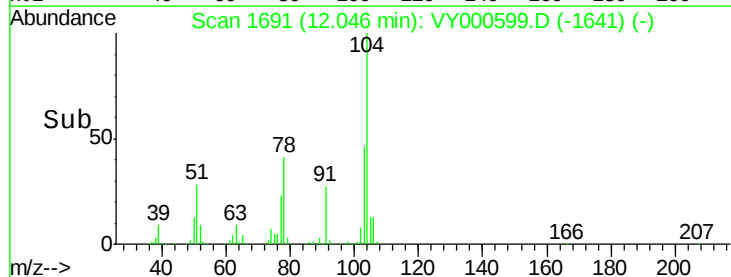
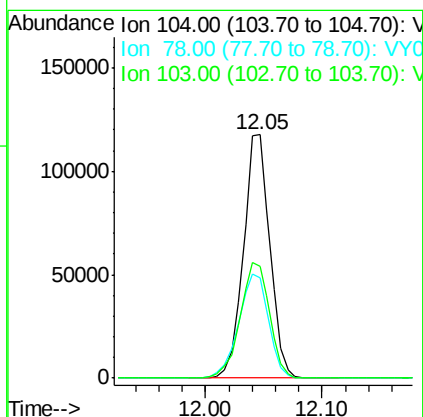
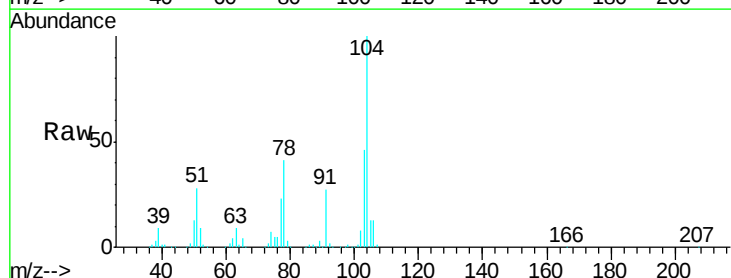
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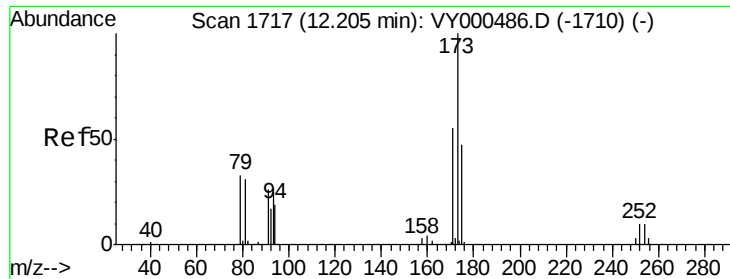
MMDadoda
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#70
Styrene
Concen: 19.890 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion:104 Resp: 185773
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 52.5 42.5 63.7





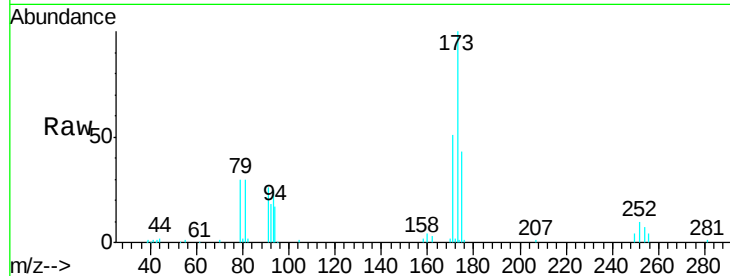
#71
Bromoform
Concen: 20.212 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

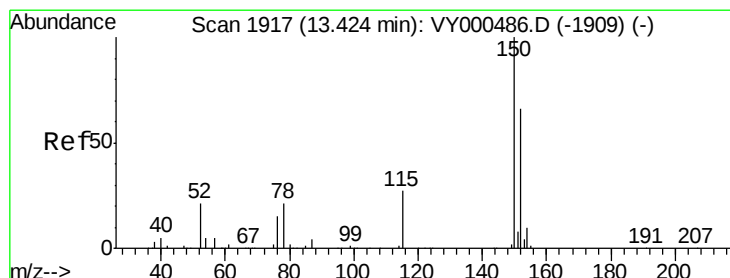
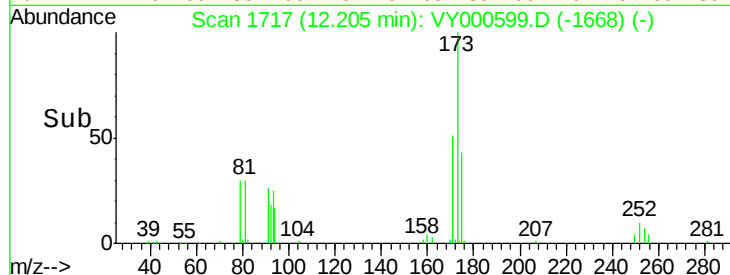
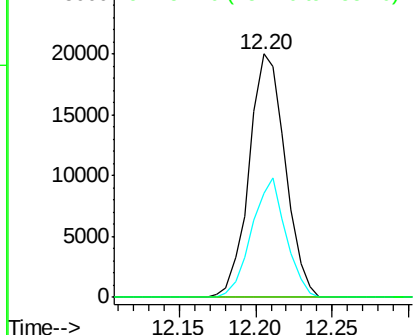
Tgt Ion:173 Resp: 32850
Ion Ratio Lower Upper
173 100
175 46.5 24.4 73.2
254 0.0 0.1 0.1#

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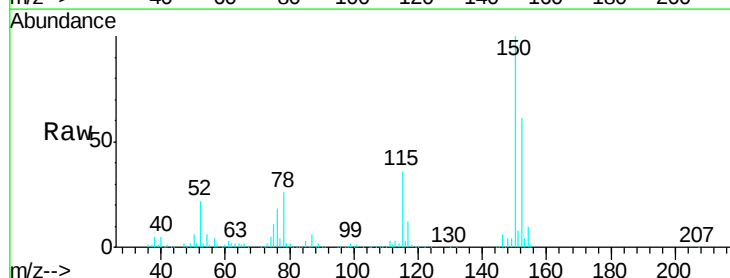


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

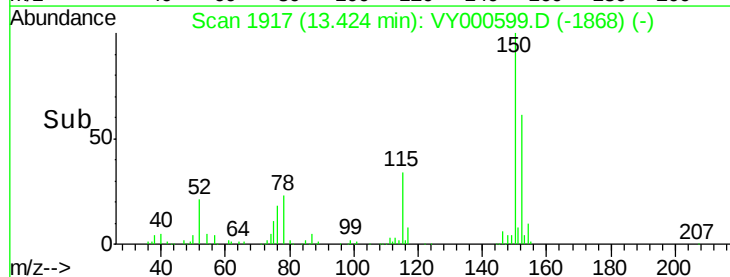
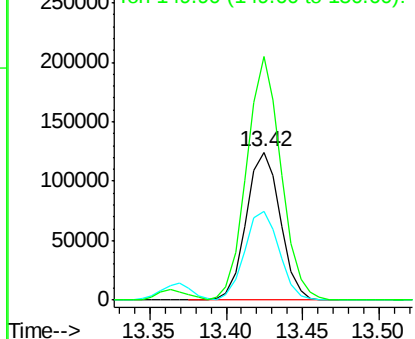


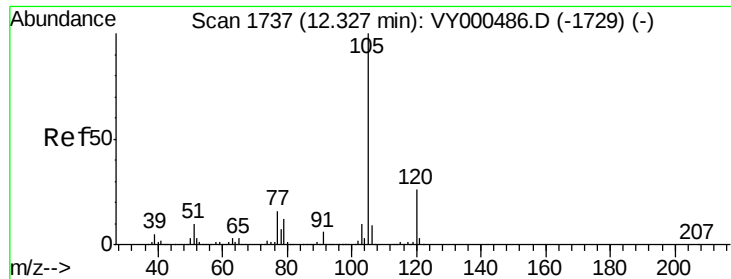
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion:152 Resp: 192108
Ion Ratio Lower Upper
152 100
115 60.9 29.1 87.4
150 166.4 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.322 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 105 Resp: 288544

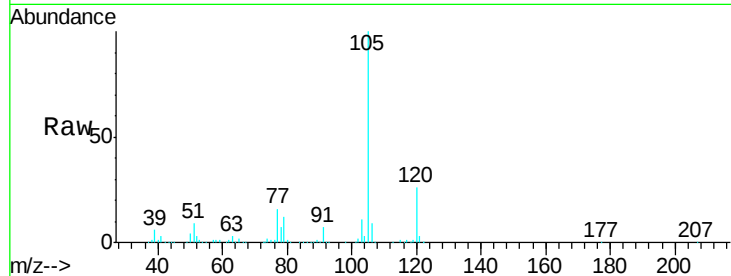
Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4

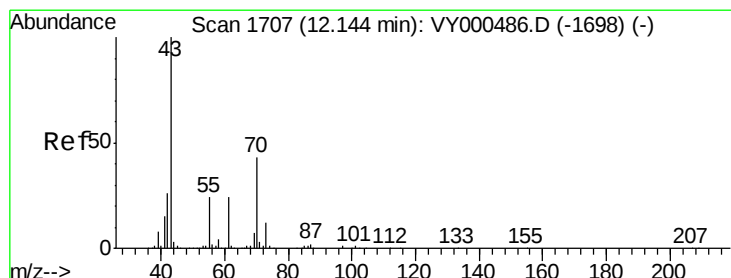
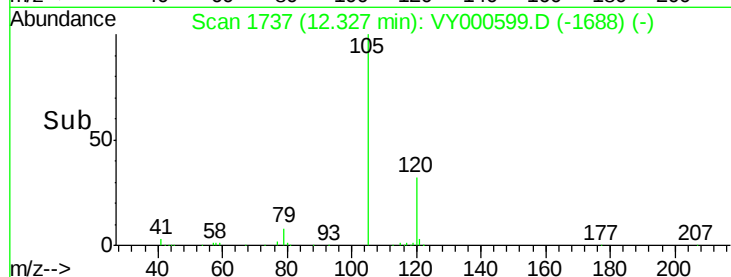
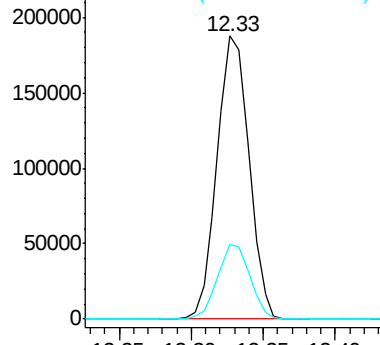
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.279 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion: 43 Resp: 86529

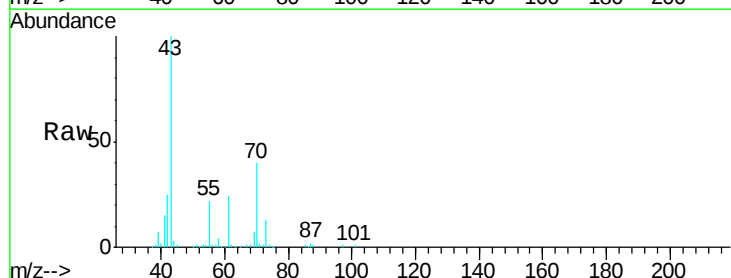
Ion Ratio Lower Upper

43 100

70 39.3 33.1 49.7

55 22.1 18.0 27.0

61 23.3 19.1 28.7

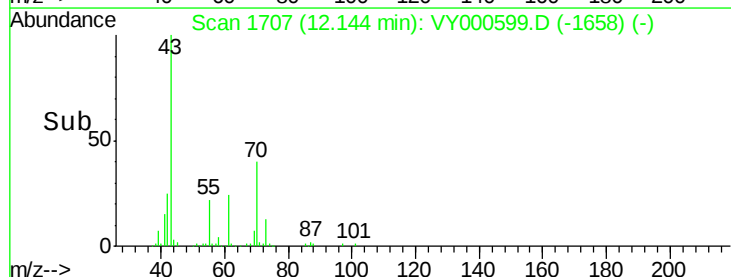
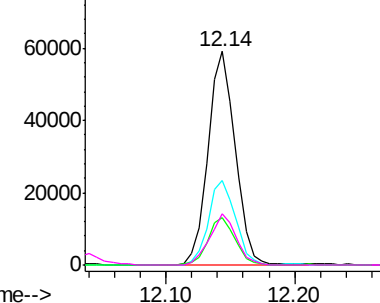


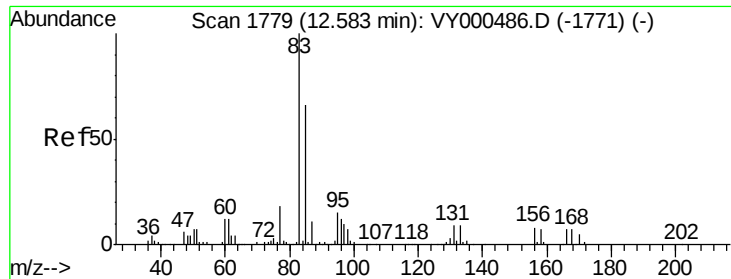
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.828 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

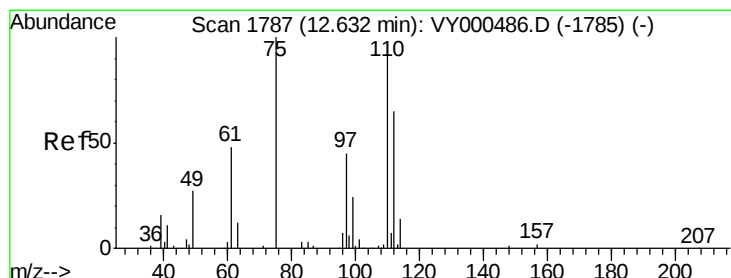
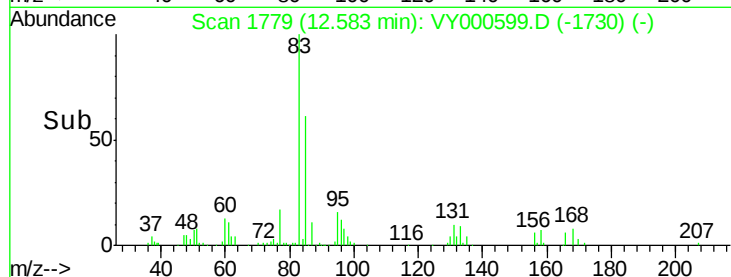
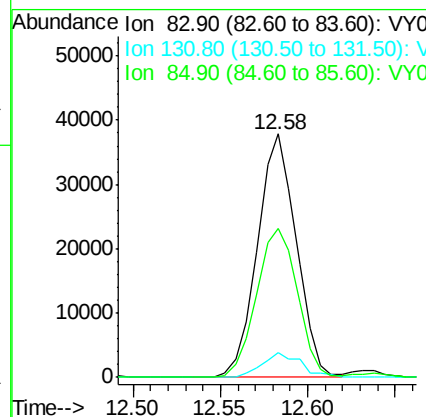
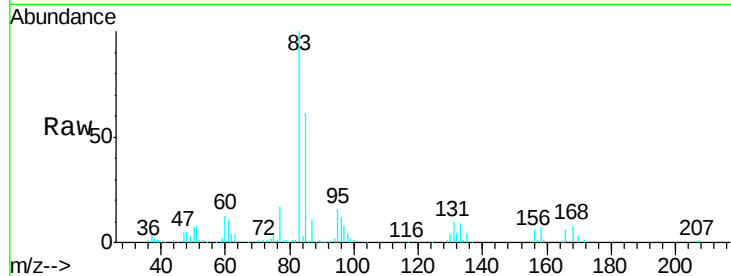
ClientSampleId :

VY1107SBS02

Tgt Ion:	83	Resp:	58554
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	14.9
85	64.4	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.366 ug/l m

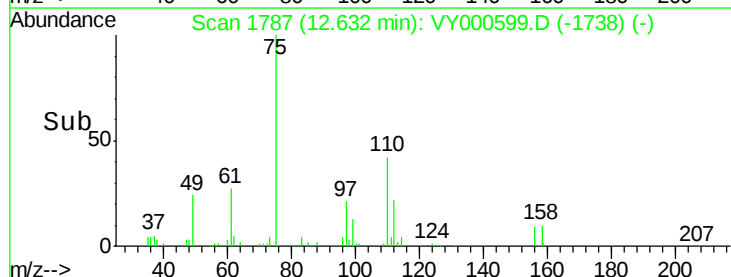
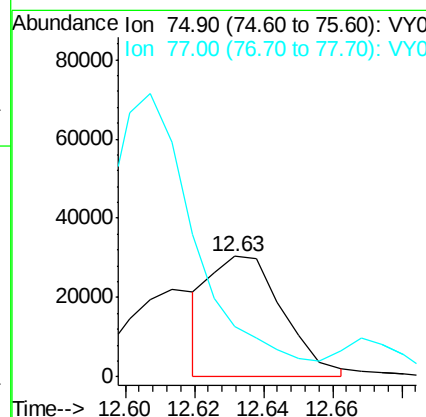
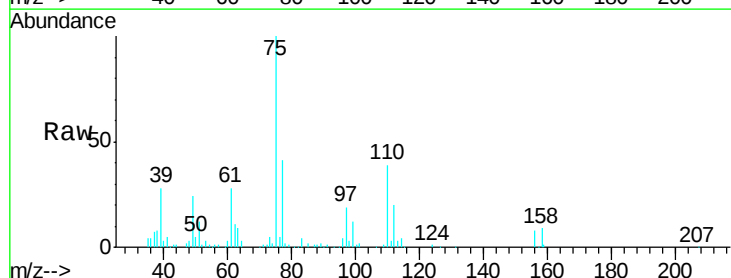
RT: 12.63 min Scan# 1787

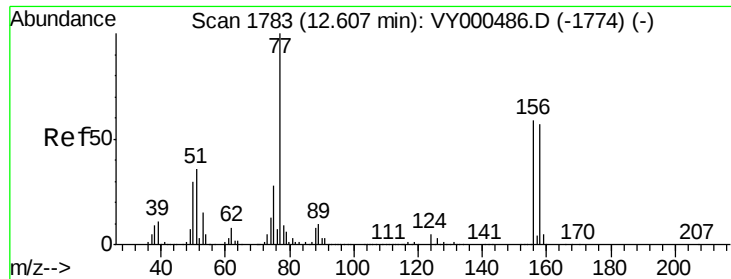
Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	75	Resp:	44549
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.690 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion:156 Resp: 63398

Ion Ratio Lower Upper

156 100

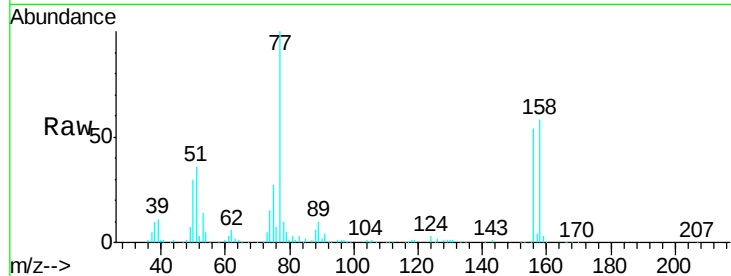
77 207.3 98.2 294.4

158 100.6 49.6 149.0

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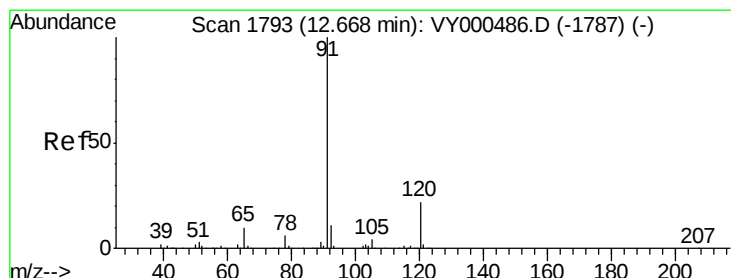
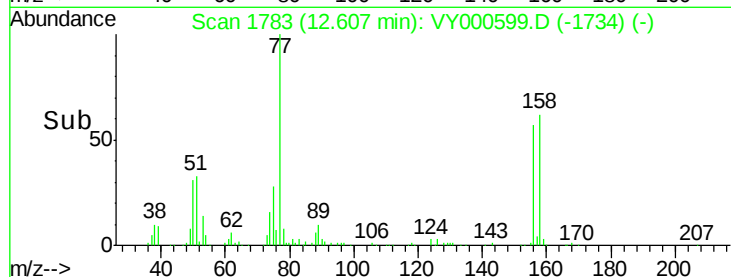
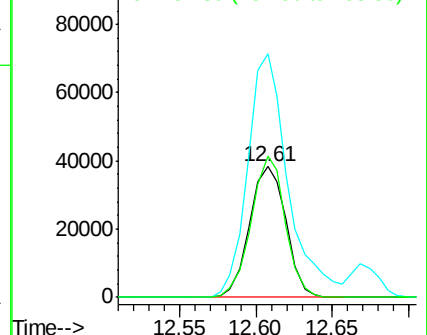
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.085 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000599.D

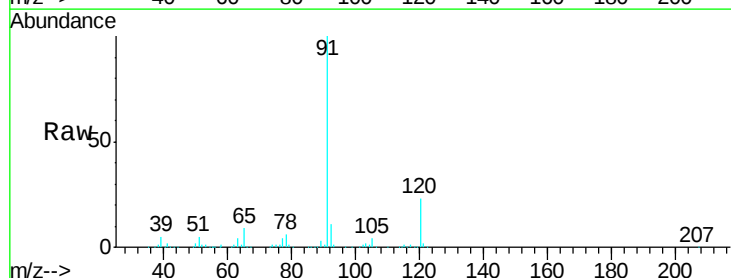
Acq: 07 Nov 2019 23:09

Tgt Ion: 91 Resp: 344084

Ion Ratio Lower Upper

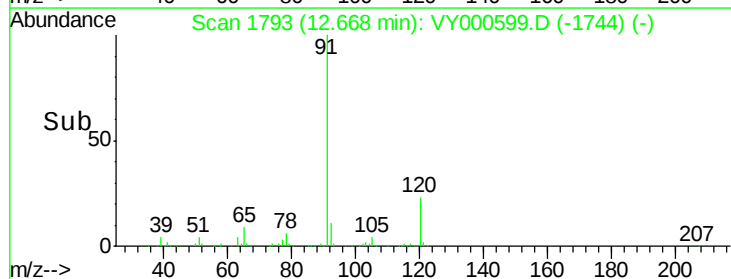
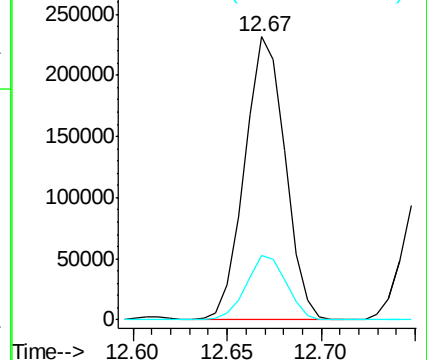
91 100

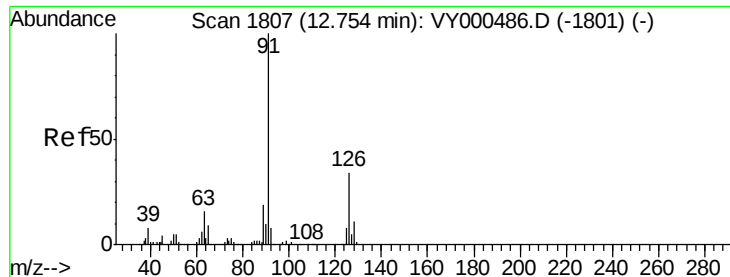
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.352 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

ClientSampleId :

VY1107SBS02

Tgt Ion: 91 Resp: 193560

Ion Ratio Lower Upper

91 100

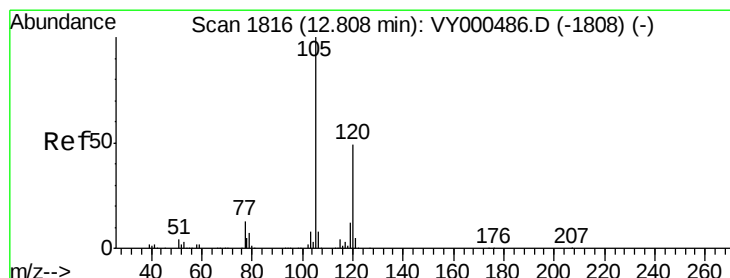
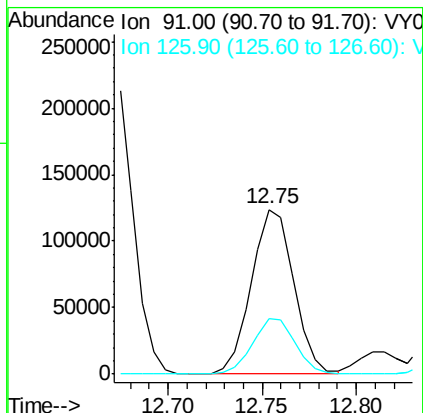
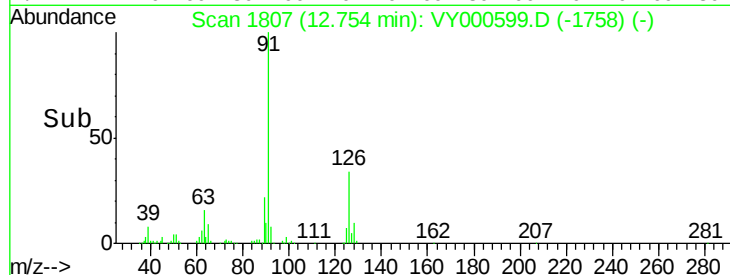
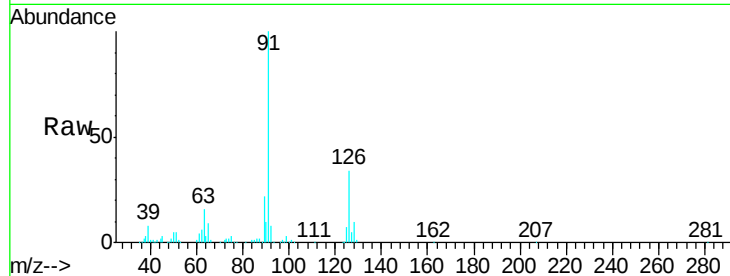
126 33.8 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.687 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000599.D

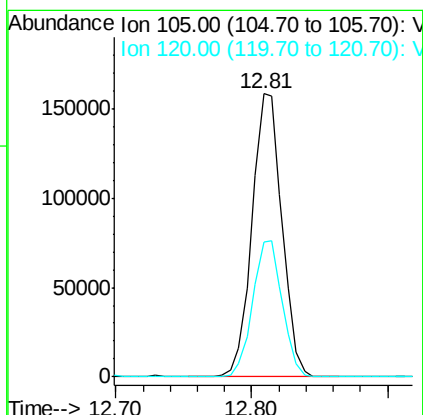
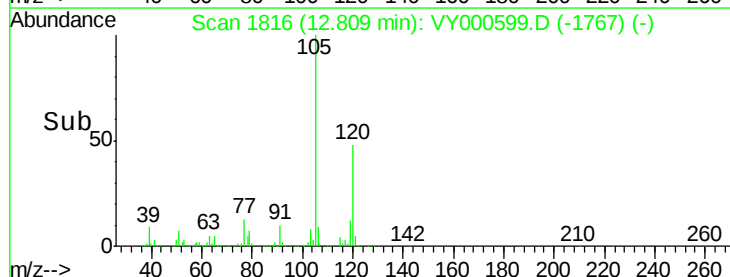
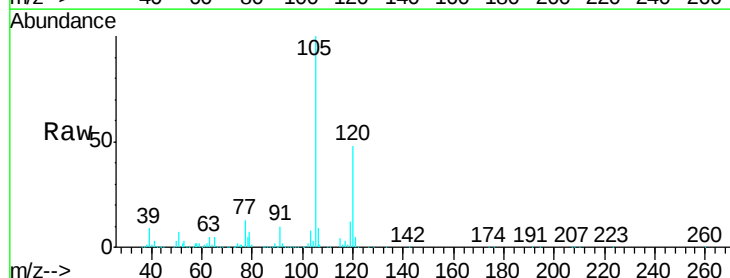
Acq: 07 Nov 2019 23:09

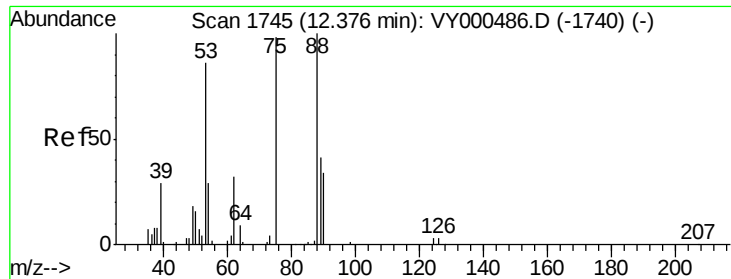
Tgt Ion: 105 Resp: 244629

Ion Ratio Lower Upper

105 100

120 47.4 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.391 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Instrument :

MSVOA_Y

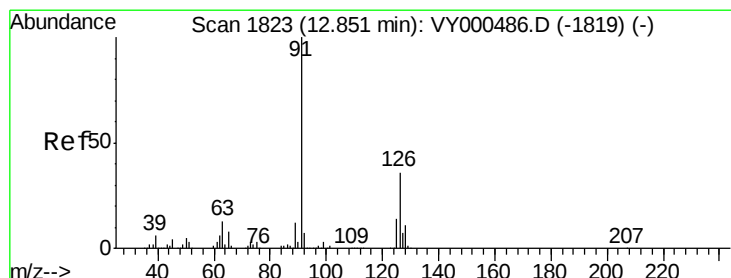
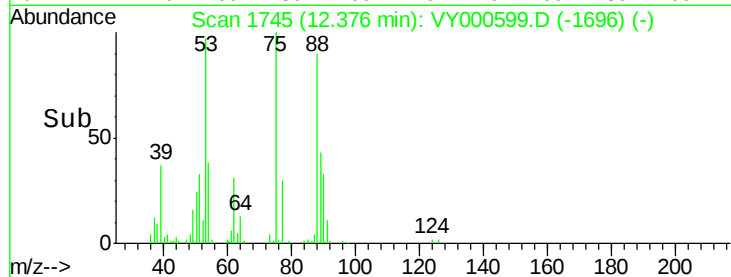
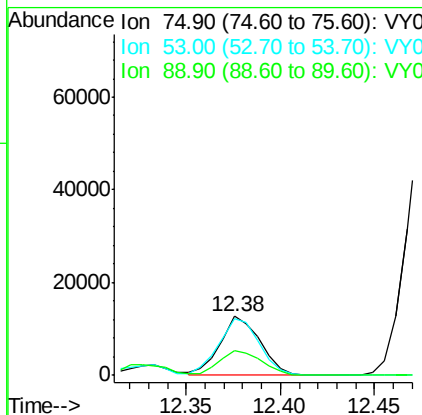
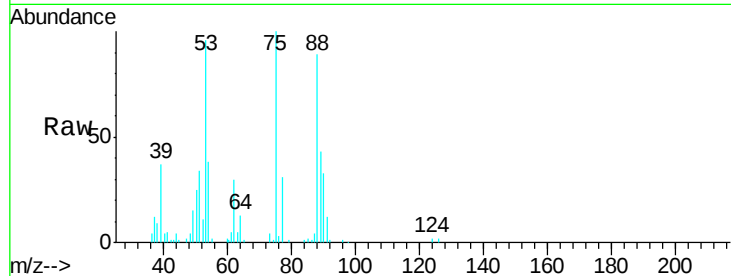
ClientSampleId :

VY1107SBS02

Tgt Ion:	75	Resp:	18918
Ion Ratio	Lower	Upper	
75	100		
53	98.3	73.2	109.8
89	43.4	35.9	53.9

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#82

4-Chlorotoluene

Concen: 20.557 ug/l

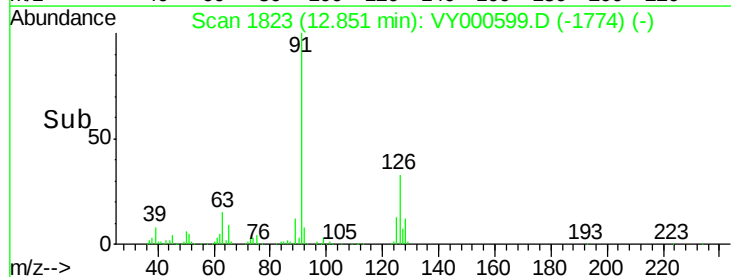
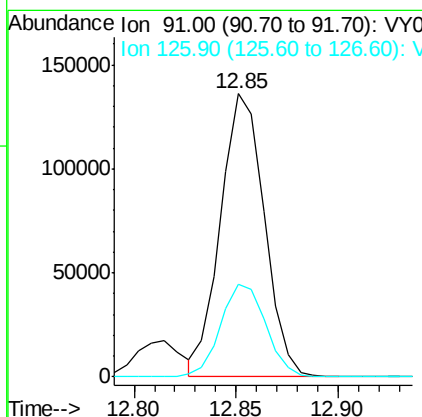
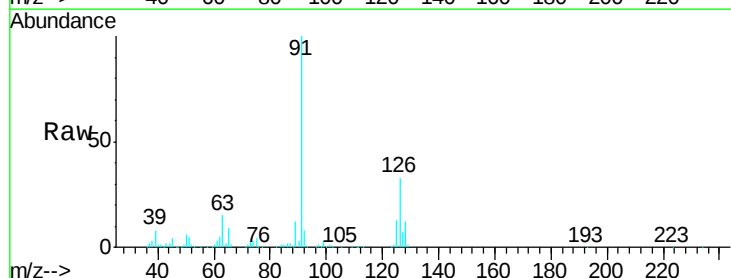
RT: 12.85 min Scan# 1823

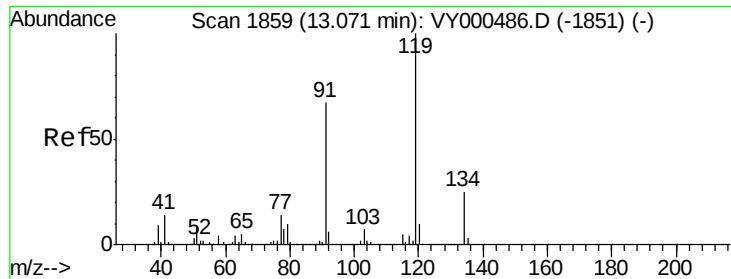
Delta R.T. 0.00 min

Lab File: VY000599.D

Acq: 07 Nov 2019 23:09

Tgt Ion:	91	Resp:	202660
Ion Ratio	Lower	Upper	
91	100		
126	33.7	17.6	52.9





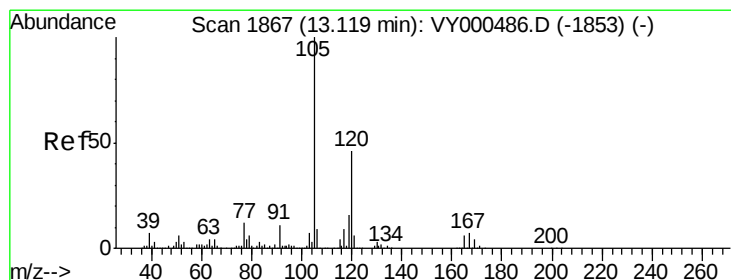
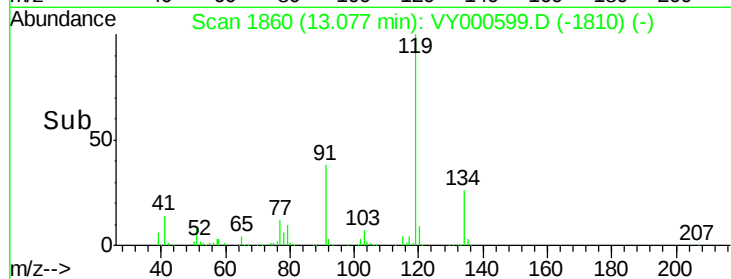
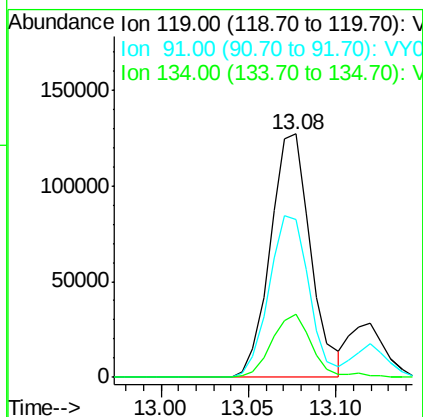
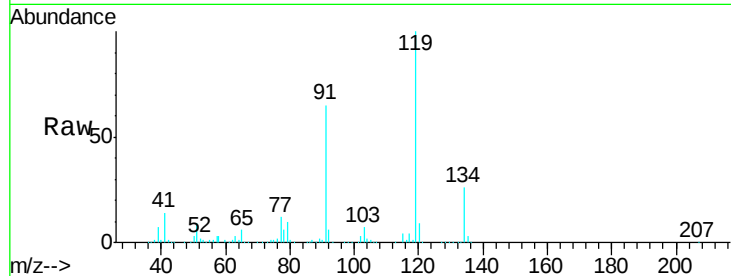
#83
 tert-Butylbenzene
 Concen: 20.206 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	204013		
91	66.1	32.1	96.3	
134	26.1	13.2	39.5	

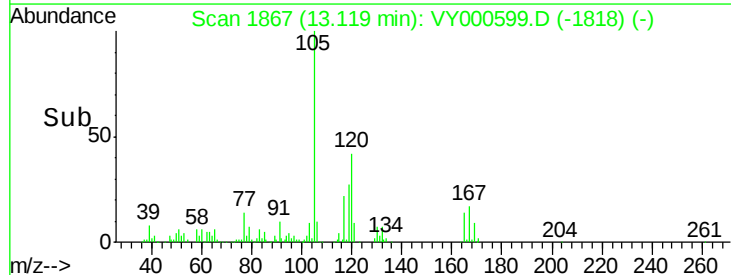
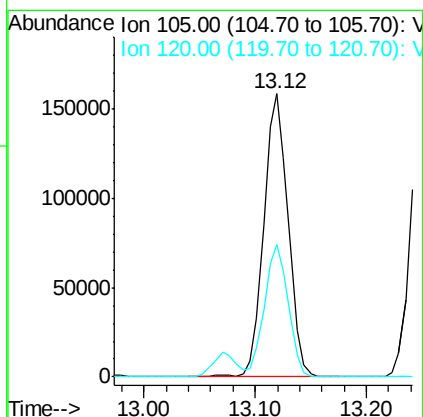
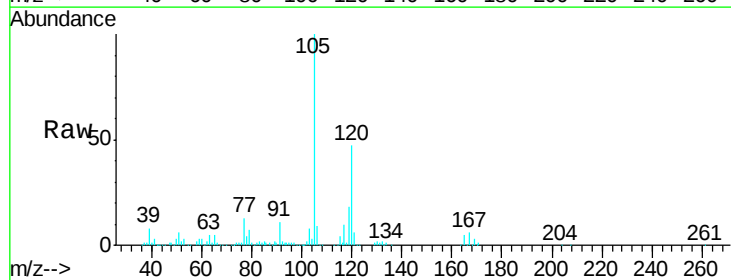
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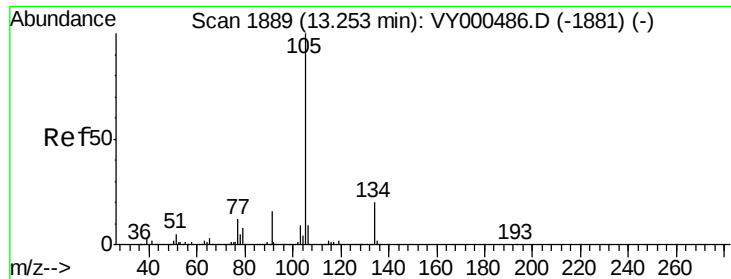
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.519 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241590		
120	46.0	23.3	69.9	





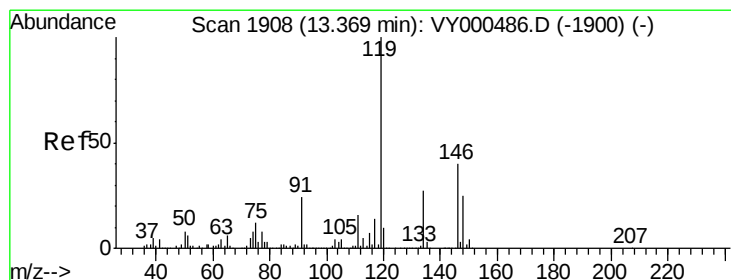
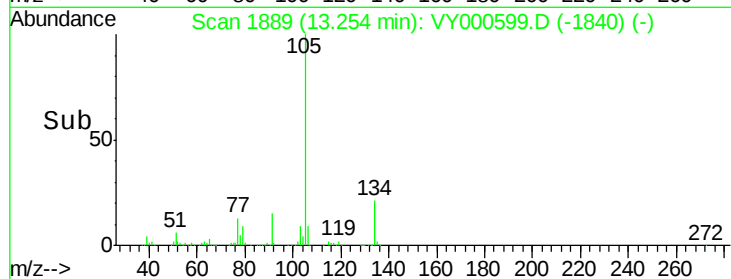
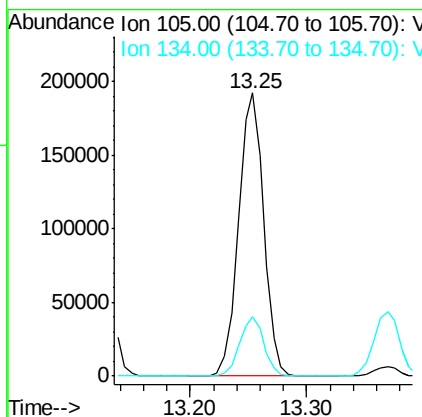
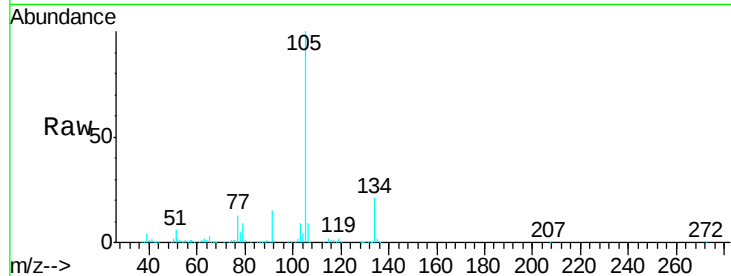
#85
 sec-Butylbenzene
 Concen: 20.055 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.1

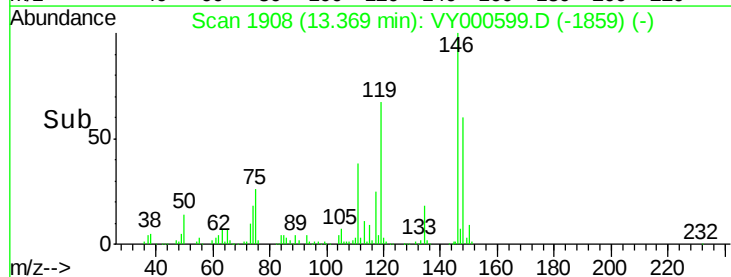
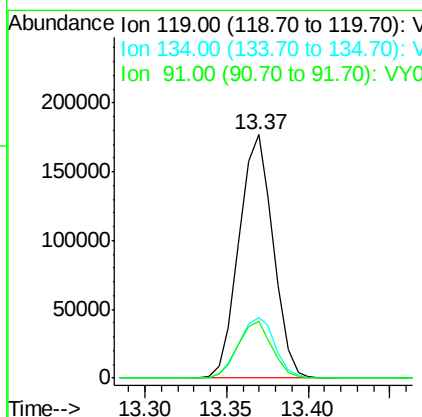
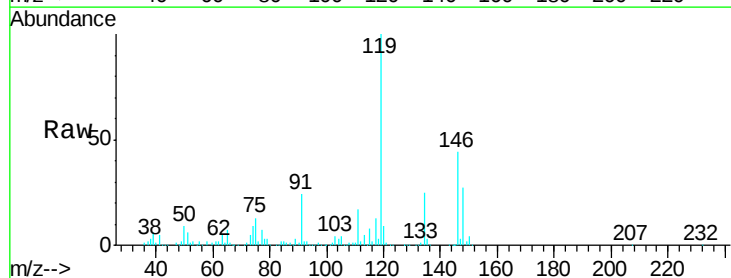
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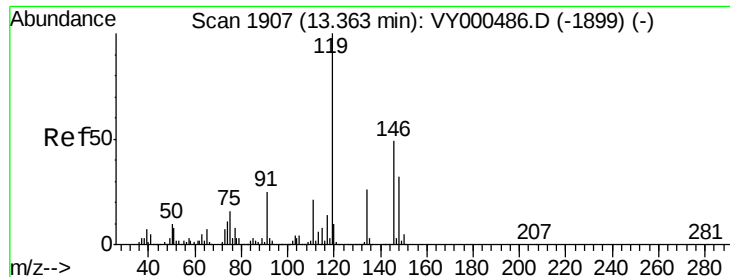
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#86
 p-Isopropyltoluene
 Concen: 20.124 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.6	40.8
91	23.3	12.0	36.1





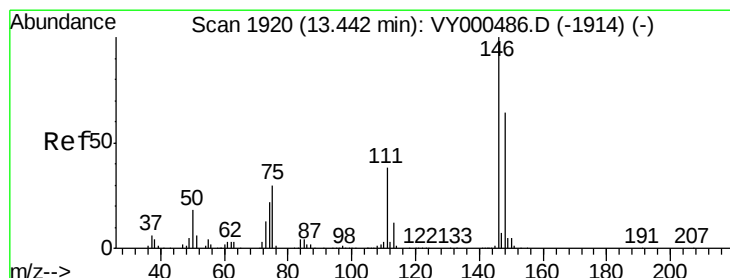
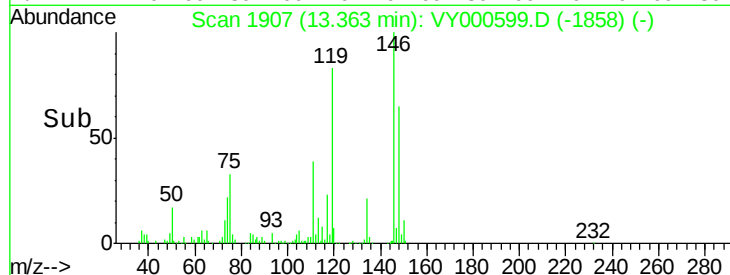
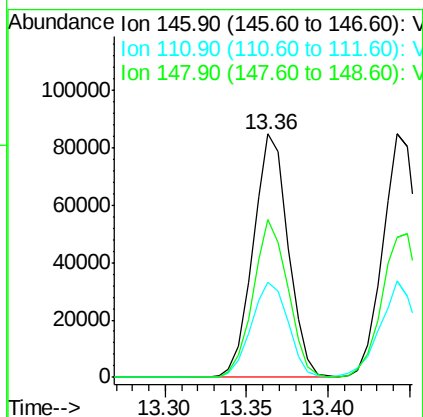
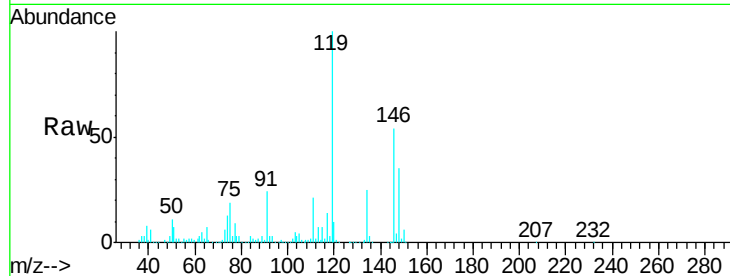
#87
 1,3-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126899		
111	41.1	20.3	60.8	
148	64.2	31.5	94.5	

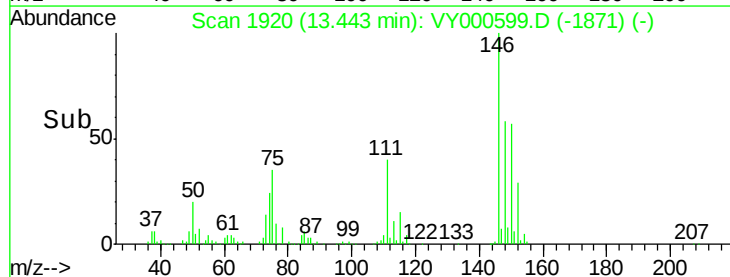
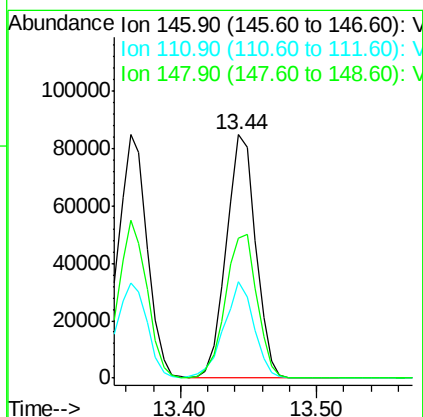
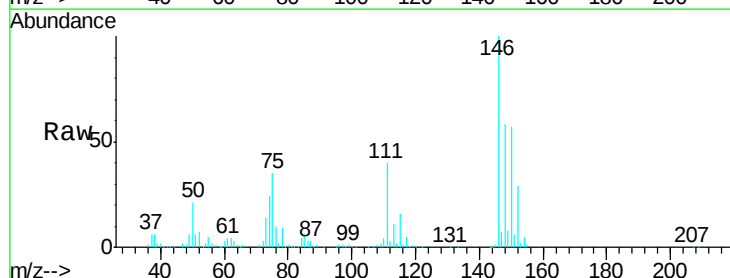
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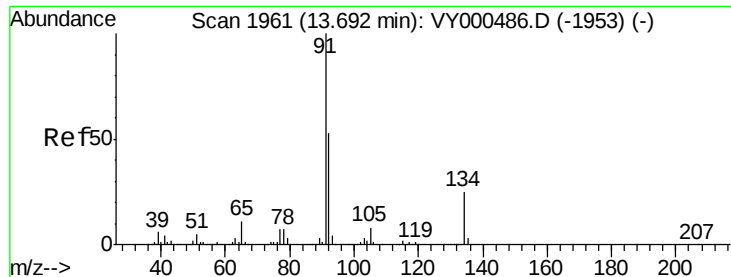
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#88
 1,4-Dichlorobenzene
 Concen: 20.299 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127923		
111	40.2	19.7	59.0	
148	63.4	31.9	95.7	





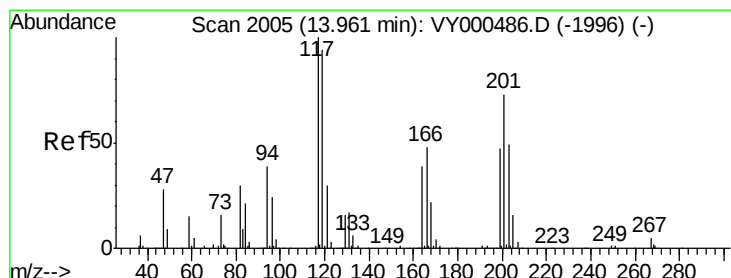
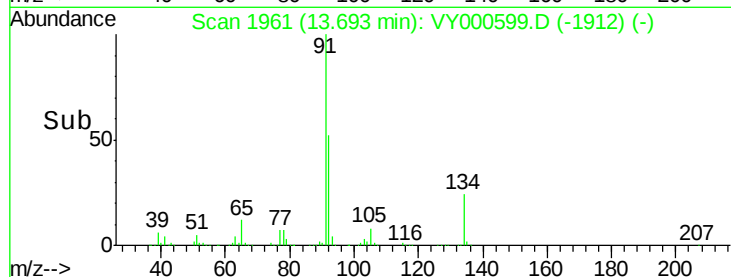
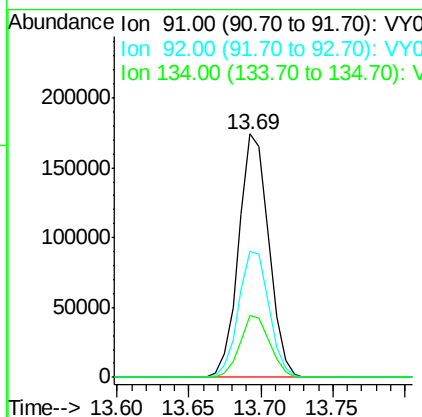
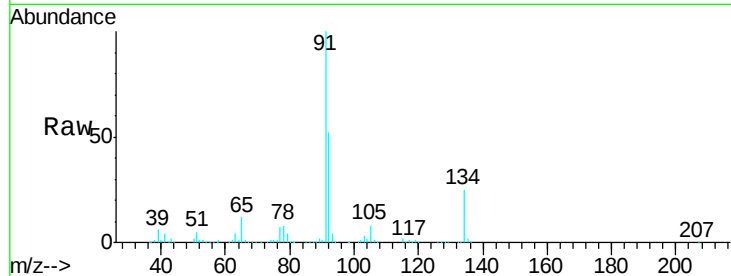
#89
n-Butylbenzene
Concen: 19.966 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	25.3	12.9	38.7

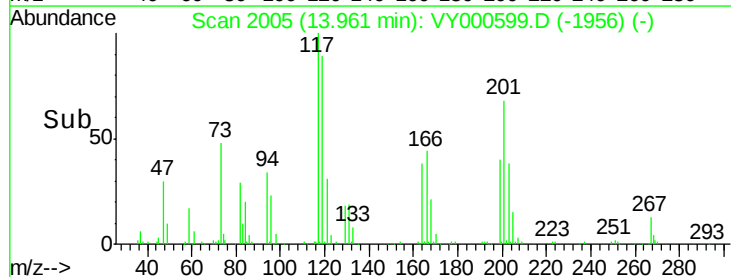
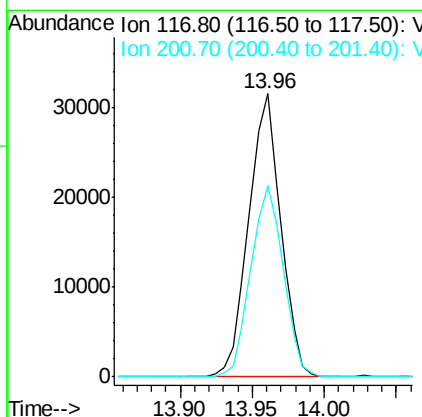
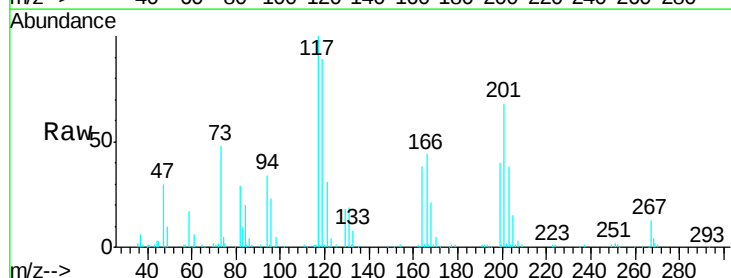
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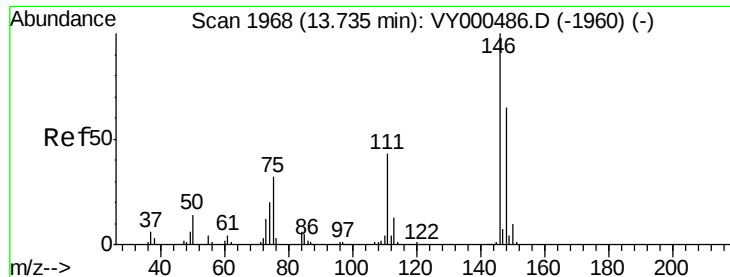
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#90
Hexachloroethane
Concen: 20.535 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	35.8	107.3





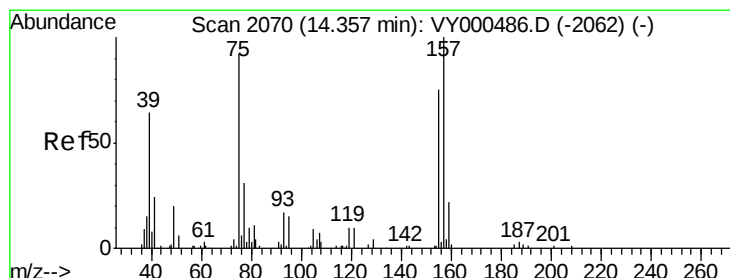
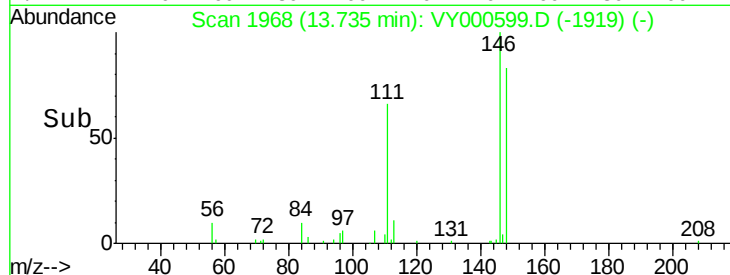
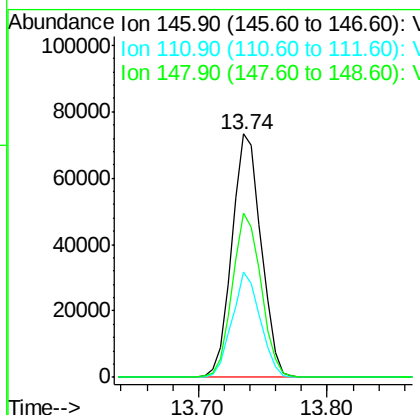
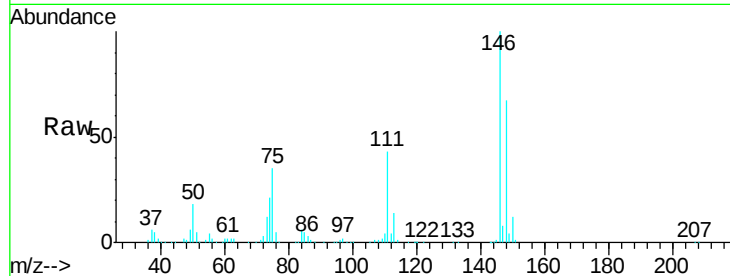
#91
 1,2-Dichlorobenzene
 Concen: 20.182 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115482		
111	41.9	20.5	61.5	
148	66.4	31.7	95.1	

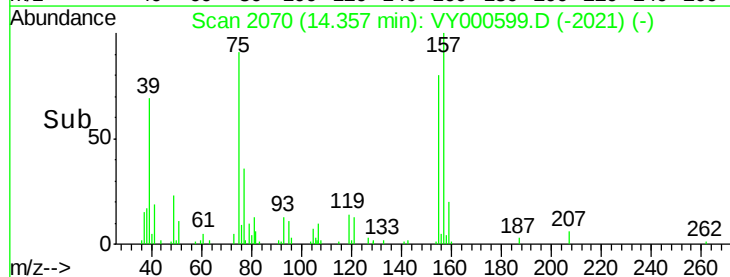
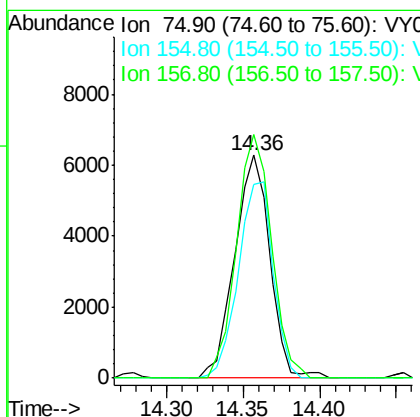
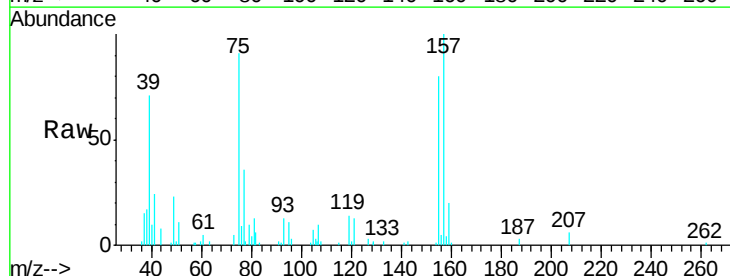
Manual Integrations
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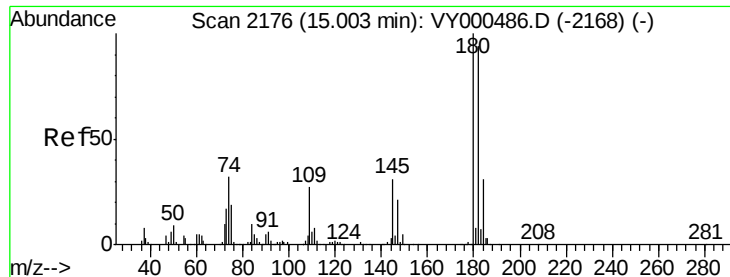
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.095 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9998		
155	87.5	42.4	127.1	
157	108.8	55.1	165.3	





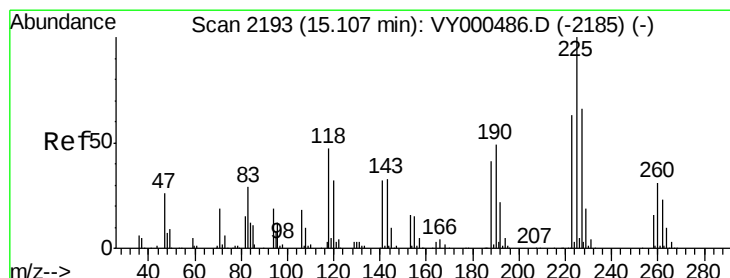
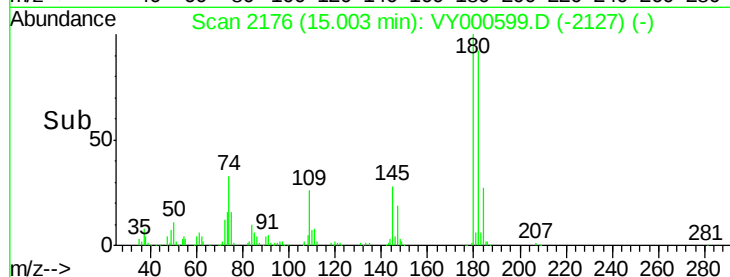
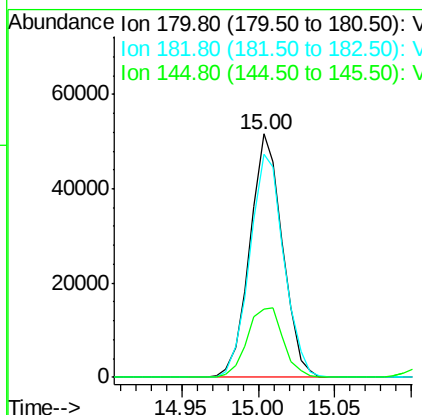
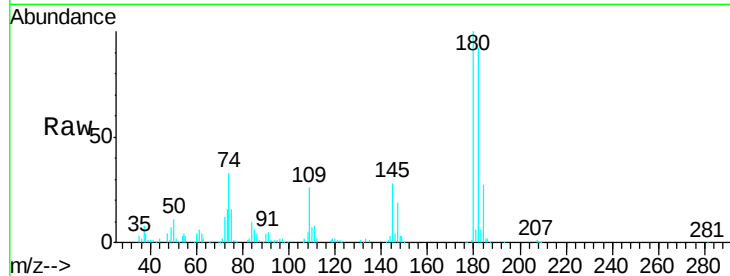
#93
 1,2,4-Trichlorobenzene
 Concen: 19.642 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1107SBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	31.6	16.0	47.9

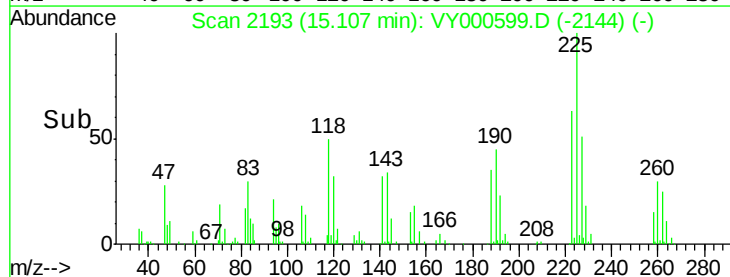
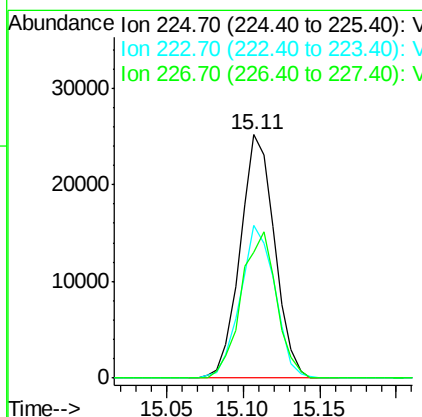
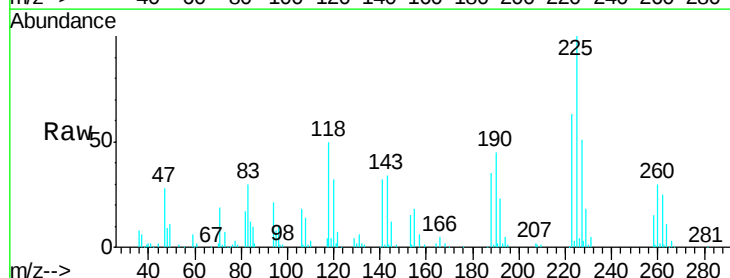
Manual Integrations
 APPROVED

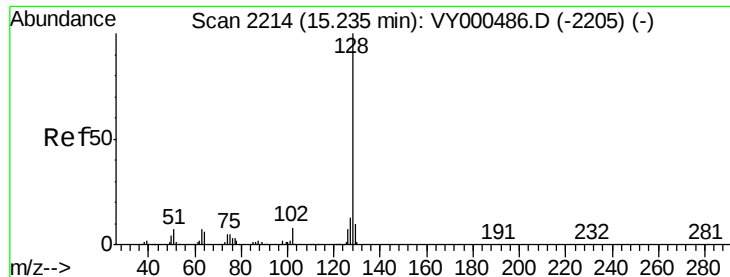
MMDadoda
 11/8/2019 4:07:20 PM



#94
 Hexachlorobutadiene
 Concen: 19.581 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000599.D
 Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	93.8
227	61.4	32.4	97.0





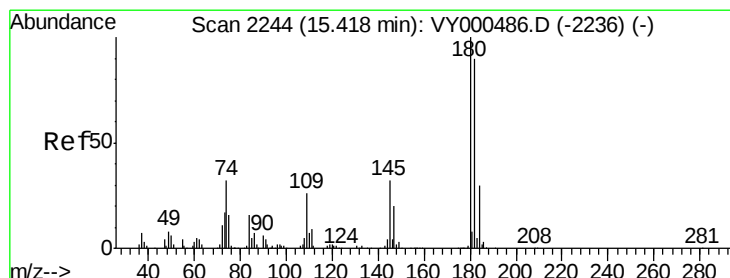
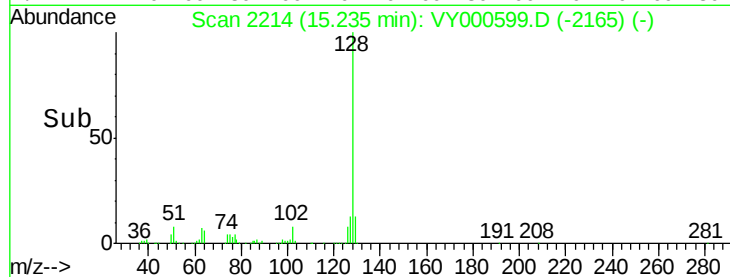
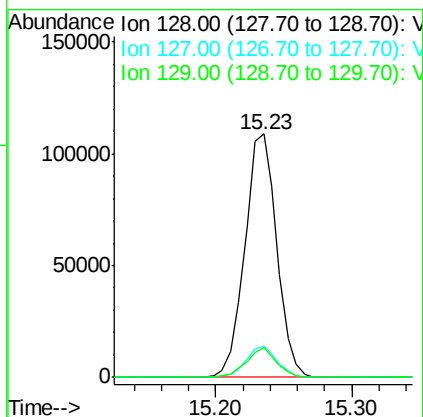
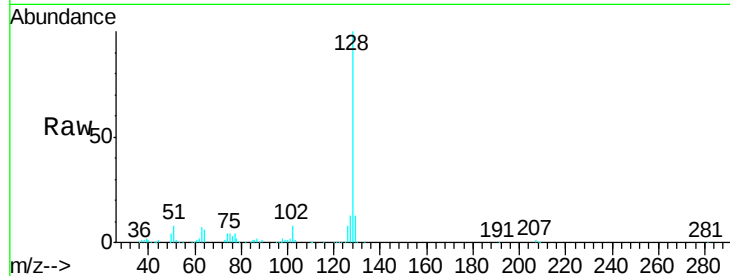
#95
Naphthalene
Concen: 20.663 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	178717		
127	12.6	9.8	14.6	
129	11.6	8.7	13.1	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 19.914 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000599.D
Acq: 07 Nov 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69606		
182	96.8	47.4	142.3	
145	33.6	15.7	47.0	

