

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
 Data File : VY020383.D
 Acq On : 21 Nov 2024 13:46
 Operator : SY/MD
 Sample : P4910-07
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 00:23:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

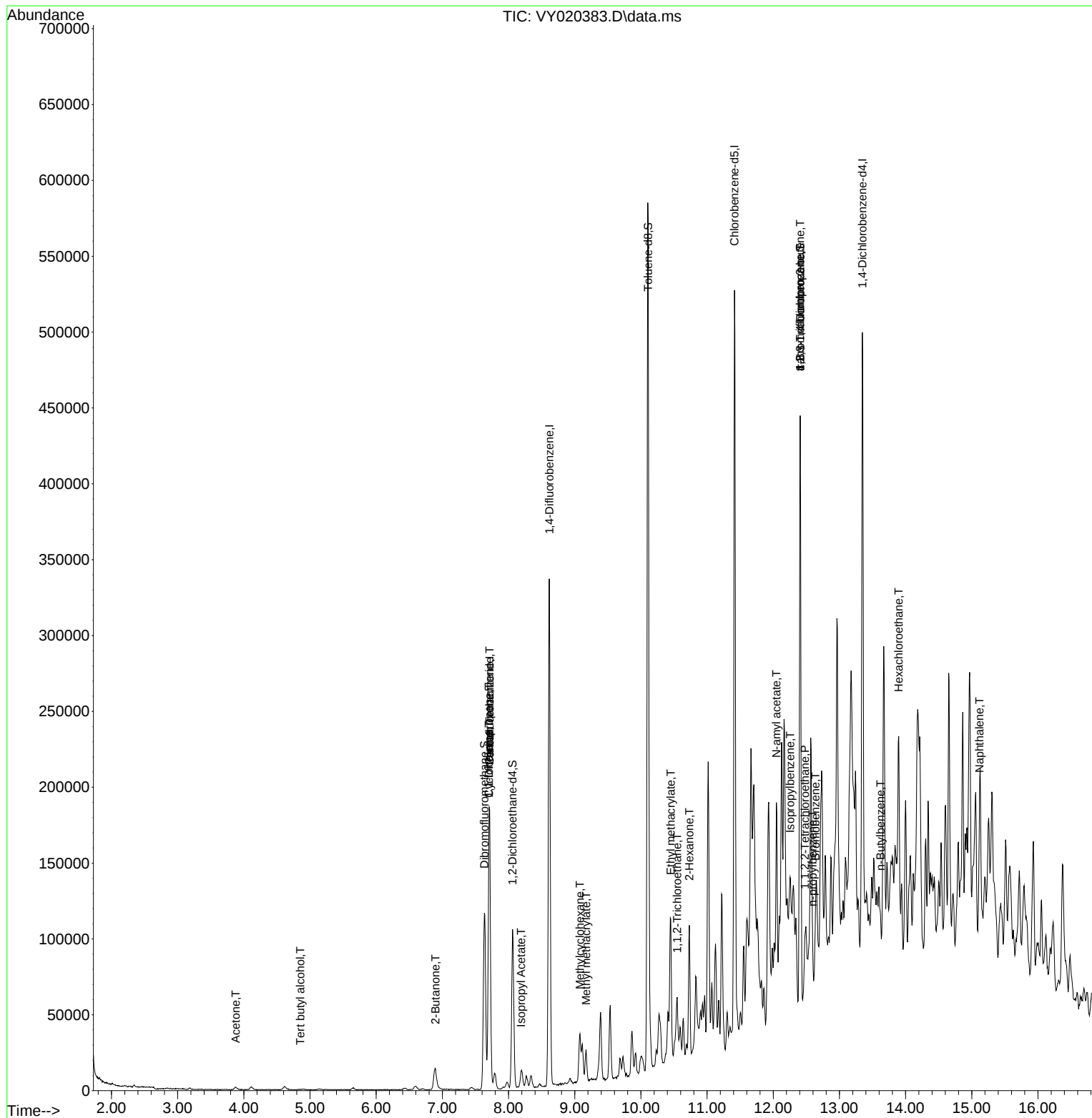
Internal Standards						
1) Pentafluorobenzene	7.713	168	137573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	263416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	101398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85751	54.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.500%			
35) Dibromofluoromethane	7.634	113	83399	49.375	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.740%			
50) Toluene-d8	10.109	98	327970	49.291	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.408	95	114860	53.699	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.062	50	82	Below Cal	#	41
11) Tert butyl alcohol	4.854	59	469	3.112	ug/l #	73
16) Acetone	3.879	43	3215	8.485	ug/l	92
25) 2-Butanone	6.896	43	1032	2.116	ug/l #	73
31) Cyclohexane	7.701	56	3653	1.240	ug/l #	13
36) 1,1-Dichloropropene	7.701	75	12134	4.703	ug/l #	53
38) Carbon Tetrachloride	7.713	117	15290	5.676	ug/l #	15
39) Methylcyclohexane	9.079	83	9827	3.044	ug/l #	25
43) Isopropyl Acetate	8.189	43	3891	1.693	ug/l #	53
48) Methyl methacrylate	9.170	41	3787	3.446	ug/l #	56
55) 1,1,2-Trichloroethane	10.548	97	14605	11.901	ug/l #	19
56) Ethyl methacrylate	10.451	69	9801	5.318	ug/l #	1
59) 2-Hexanone	10.731	43	33255	40.266	ug/l #	30
73) Isopropylbenzene	12.255	105	8613	1.003	ug/l	94
74) N-amyl acetate	12.048	43	26773	12.898	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.481	83	3558	2.563	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	61969	64.841	ug/l #	100
77) Bromobenzene	12.639	156	22496	12.500	ug/l #	1
78) n-propylbenzene	12.597	91	13364	1.296	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.408	75	61969	127.053	ug/l #	10
89) n-Butylbenzene	13.621	91	10506	1.469	ug/l #	79
90) Hexachloroethane	13.895	117	4178	2.899	ug/l #	14
95) Naphthalene	15.115	128	3312	1.049	ug/l #	1

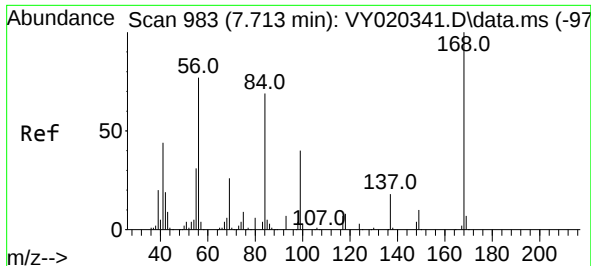
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

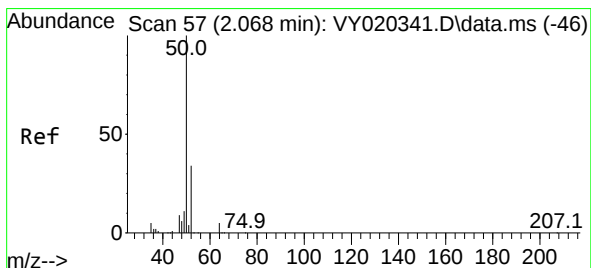
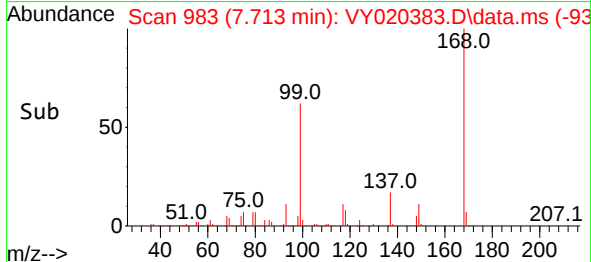
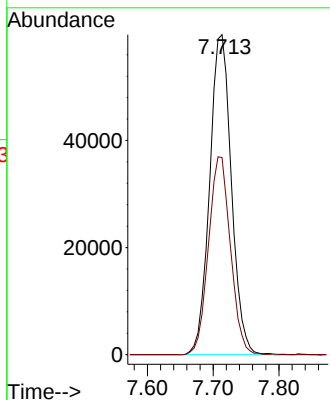
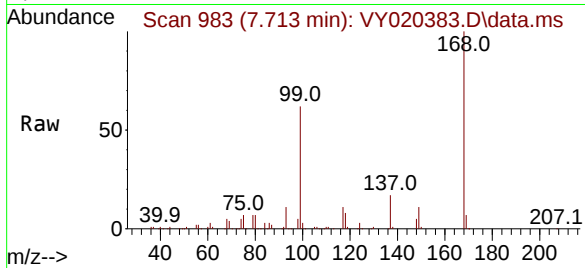




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

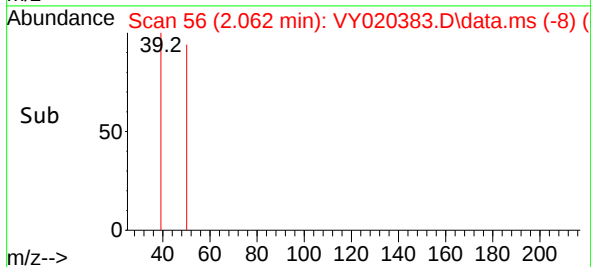
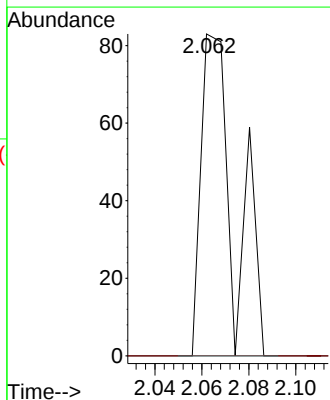
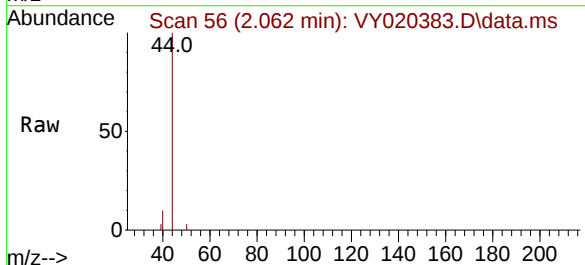
Instrument :
MSVOA_Y
ClientSampleId :

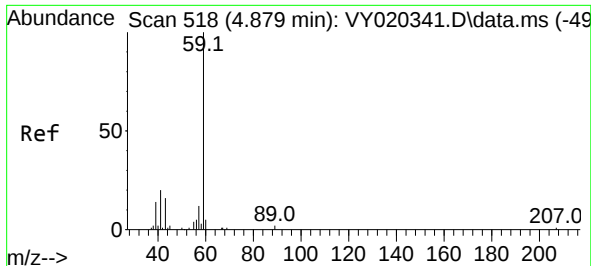
Tgt Ion:168 Resp: 137573
Ion Ratio Lower Upper
168 100
99 61.6 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.062 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

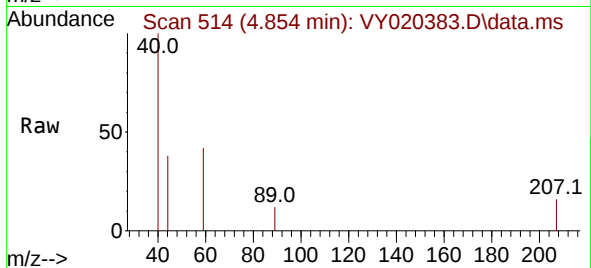
Tgt Ion: 50 Resp: 82
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



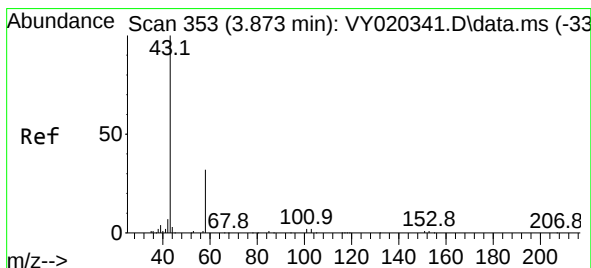
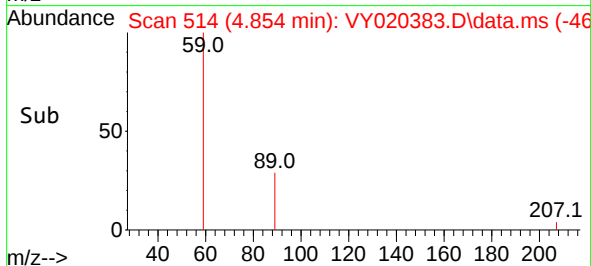
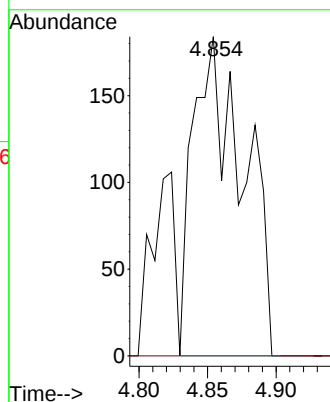


#11
Tert butyl alcohol
Concen: 3.112 ug/l
RT: 4.854 min Scan# 518
Delta R.T. -0.024 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

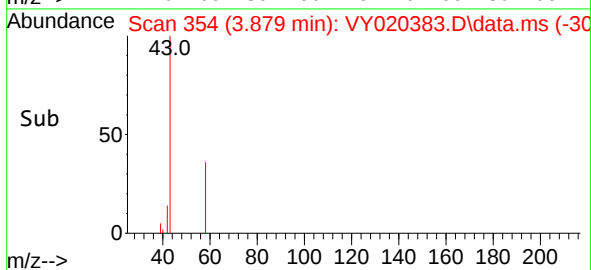
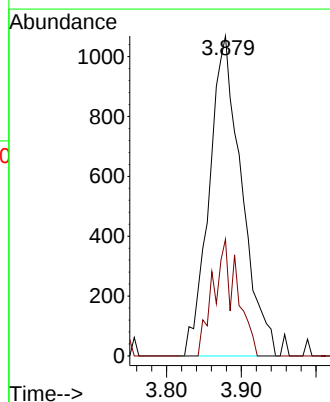
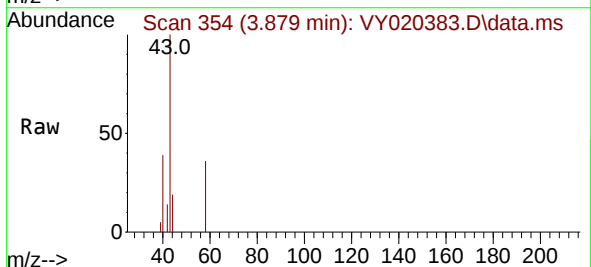


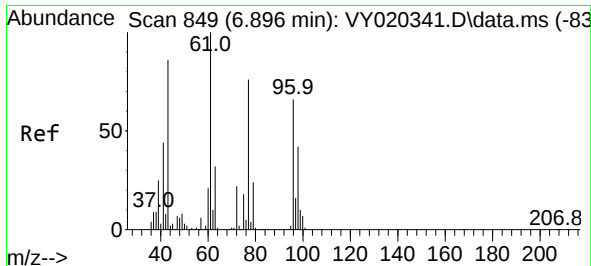
Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 8.485 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 36.5 25.7 38.5

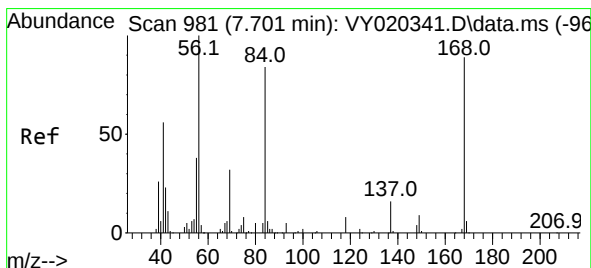
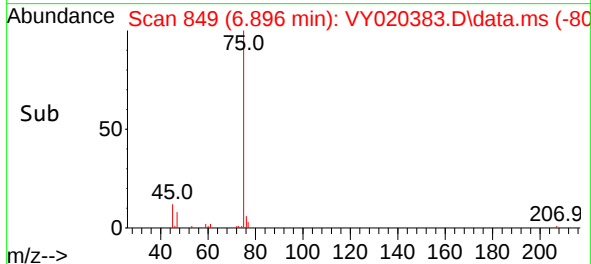
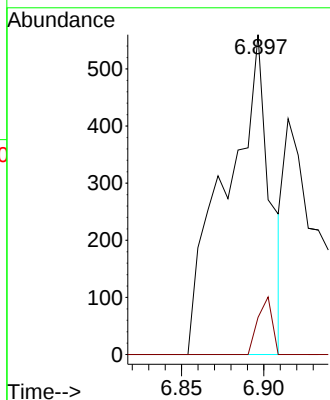
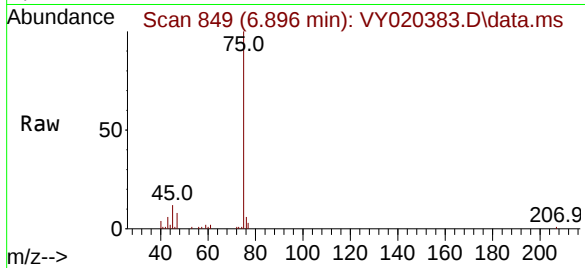




#25
2-Butanone
Concen: 2.116 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

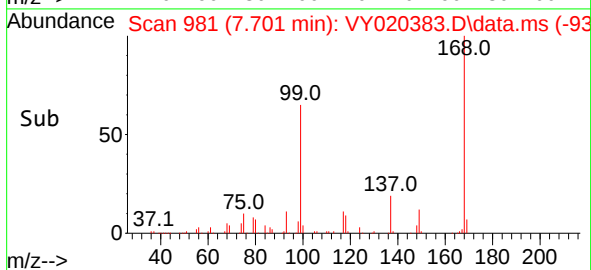
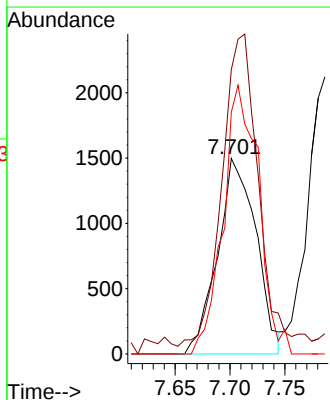
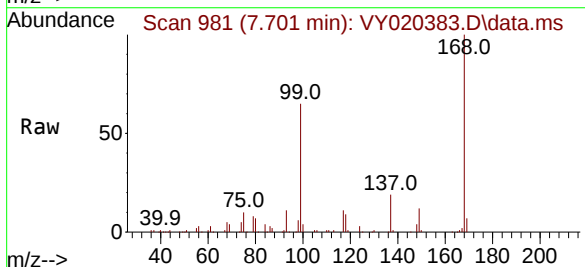
Instrument :
MSVOA_Y
ClientSampleId :

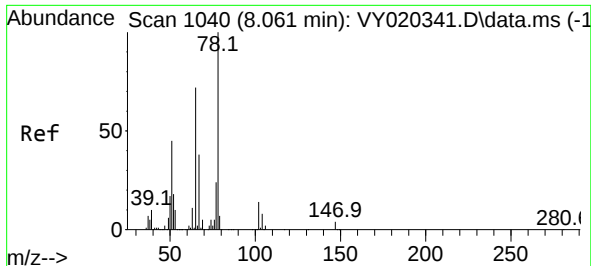
Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
72 11.6 20.4 30.6#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion: 56 Resp: 3653
Ion Ratio Lower Upper
56 100
69 141.6 25.3 37.9#
84 123.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.254 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

Instrument :

MSVOA_Y

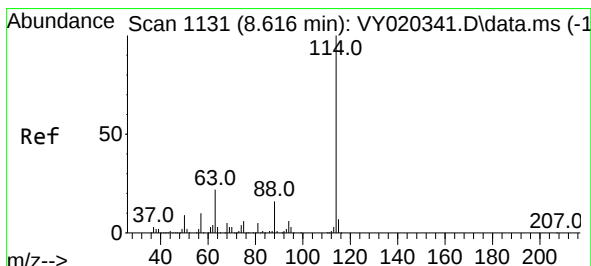
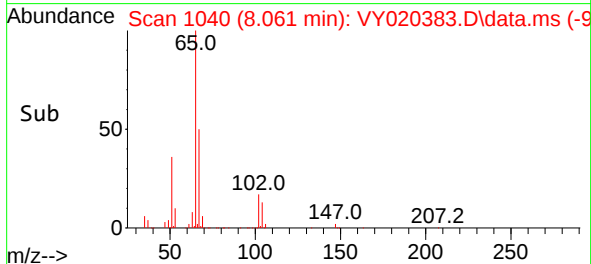
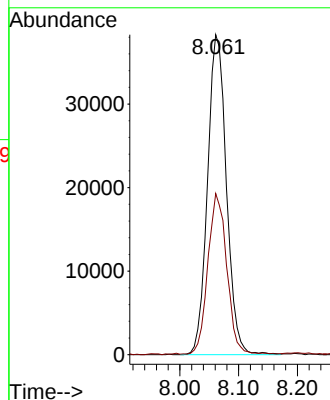
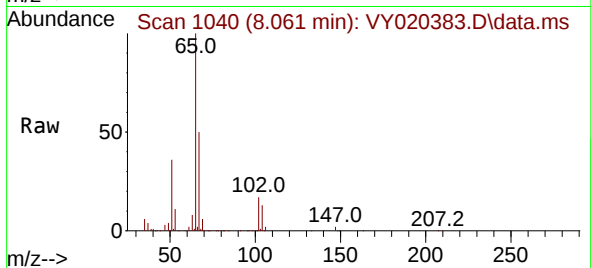
ClientSampleId :

Tgt Ion: 65 Resp: 85751

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

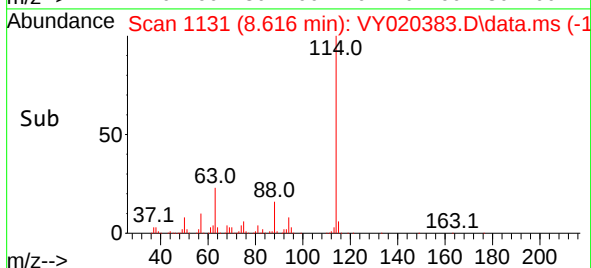
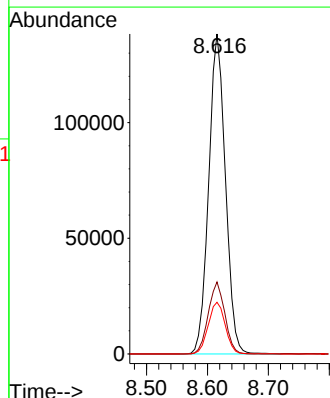
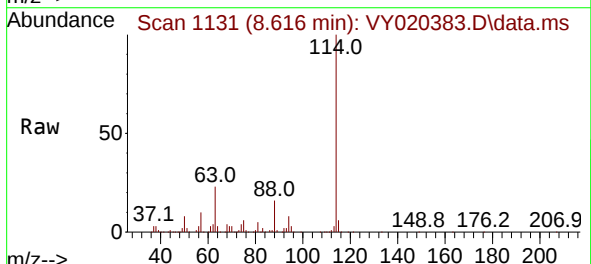
Tgt Ion: 114 Resp: 263416

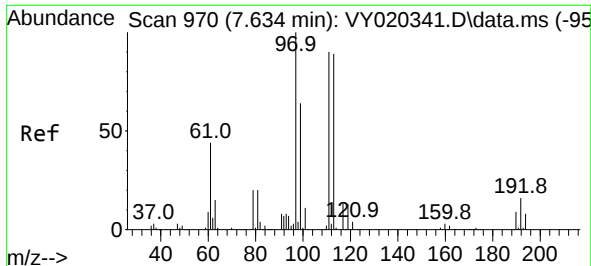
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.8

88 16.2 0.0 32.0

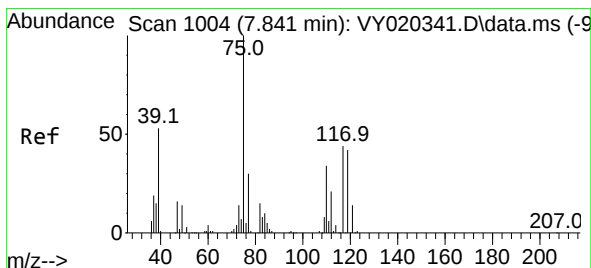
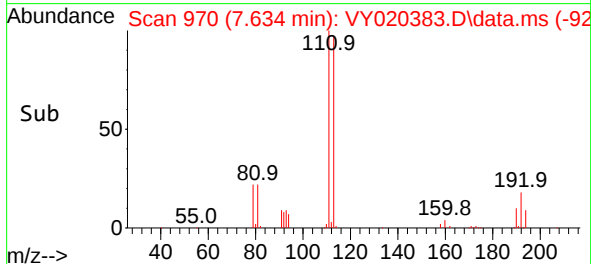
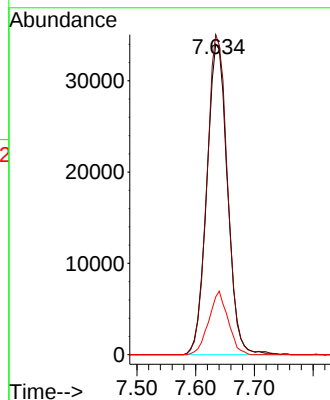
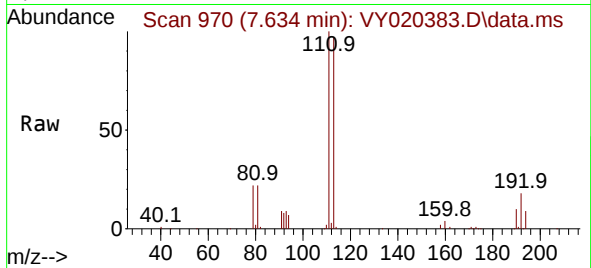




#35
Dibromofluoromethane
Concen: 49.375 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

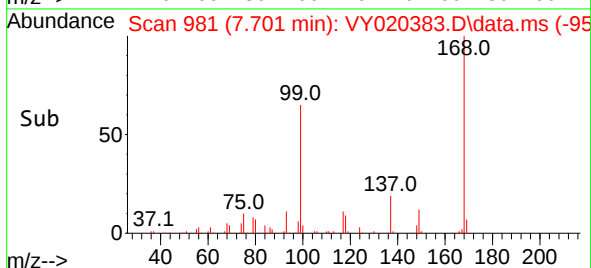
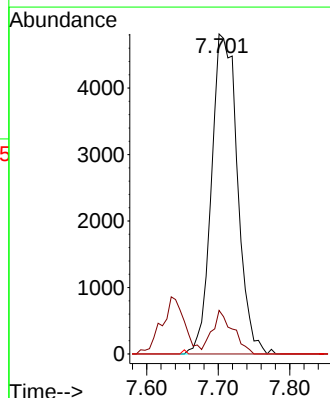
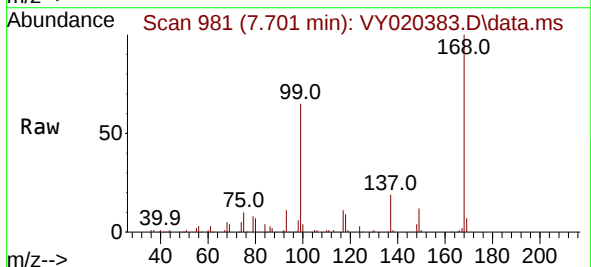
Instrument :
MSVOA_Y
ClientSampleId :

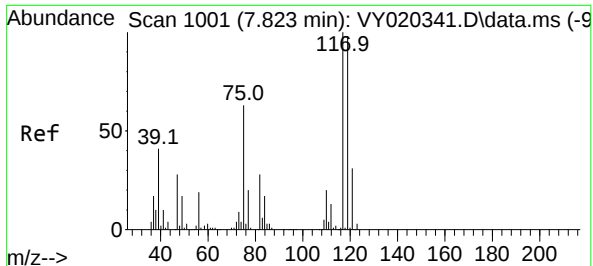
Tgt Ion:113 Resp: 83399
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 19.1 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.703 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

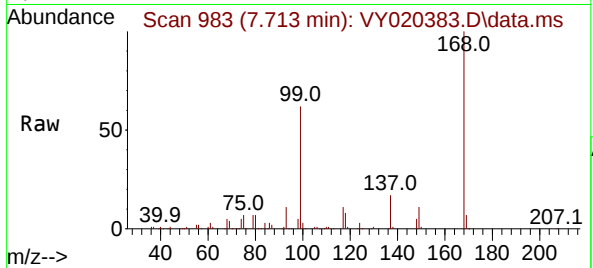
Tgt Ion: 75 Resp: 12134
Ion Ratio Lower Upper
75 100
110 10.8 16.7 50.0#
77 0.0 24.6 36.8#



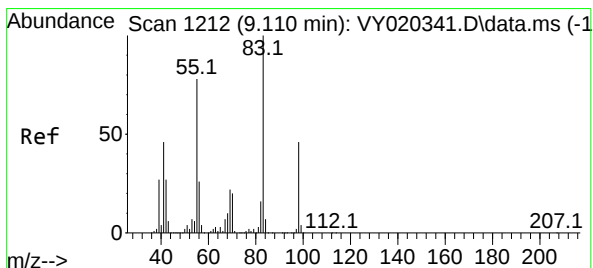
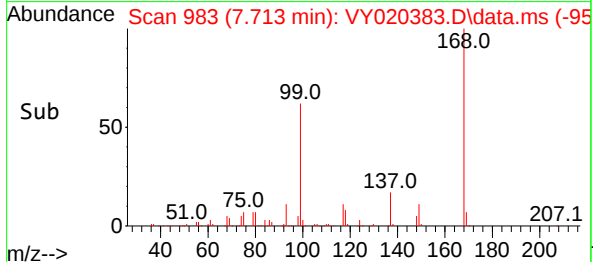
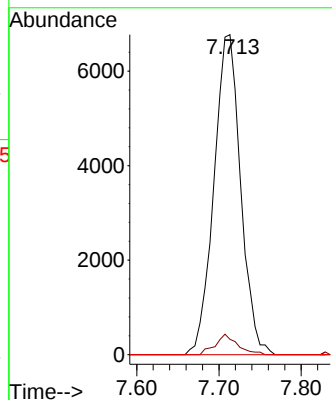


#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

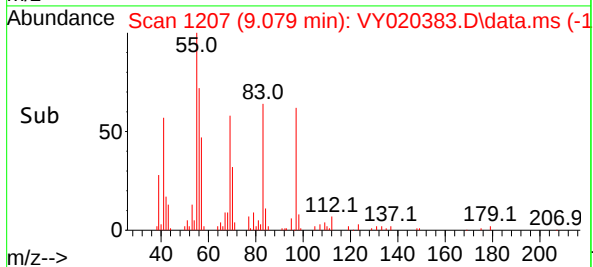
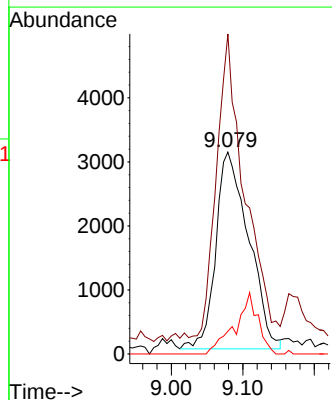
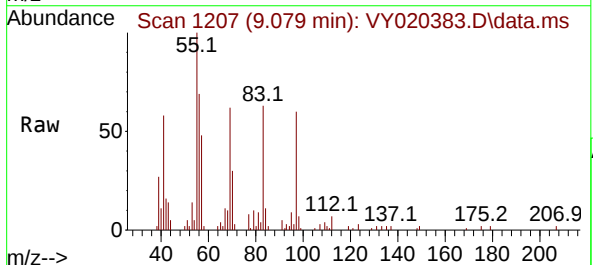


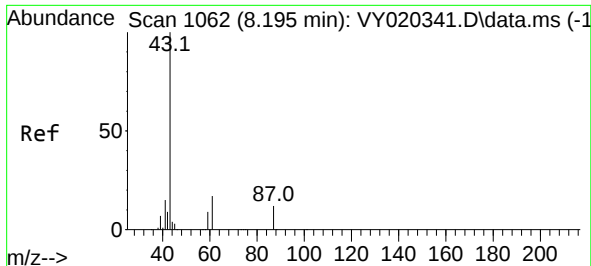
Tgt Ion:117 Resp: 15290
Ion Ratio Lower Upper
117 100
119 4.8 77.8 116.6#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 3.044 ug/l
RT: 9.079 min Scan# 1207
Delta R.T. -0.030 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

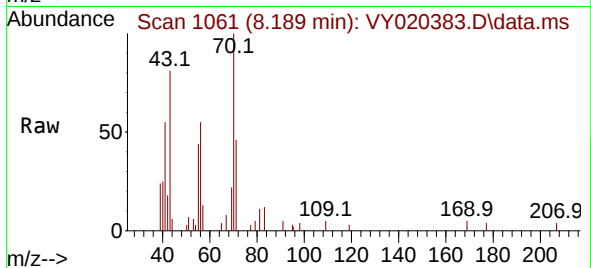
Tgt Ion: 83 Resp: 9827
Ion Ratio Lower Upper
83 100
55 154.7 62.6 93.8#
98 11.5 37.0 55.4#



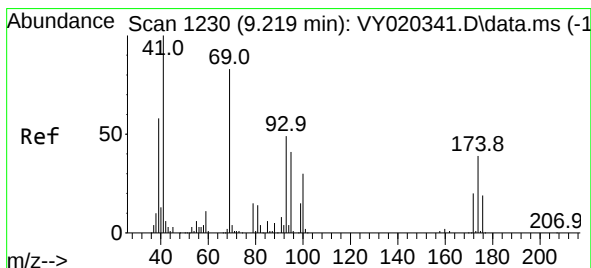
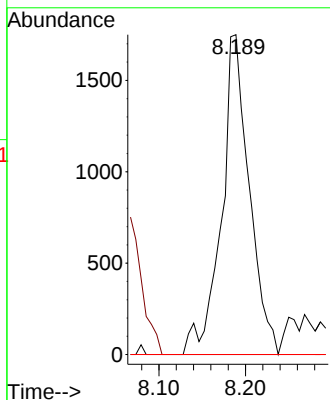
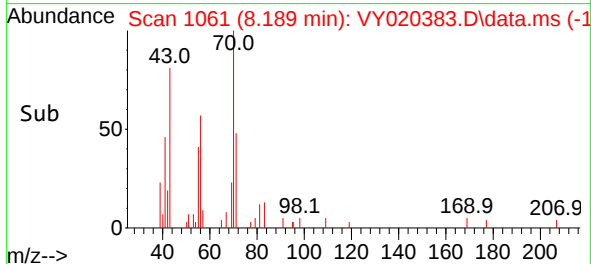


#43
Isopropyl Acetate
Concen: 1.693 ug/l
RT: 8.189 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

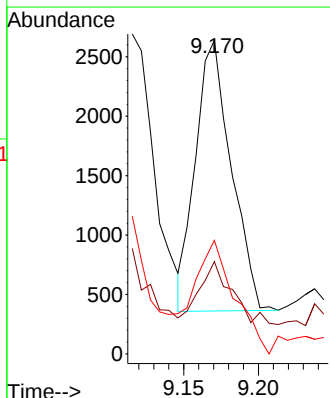
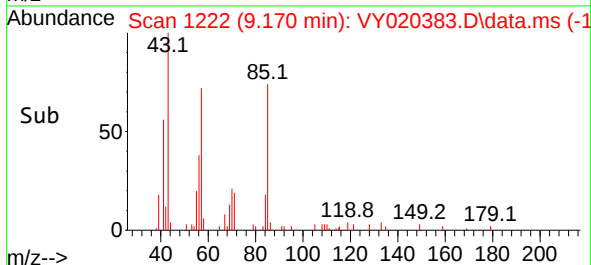
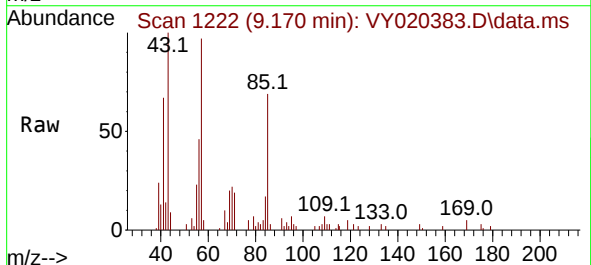


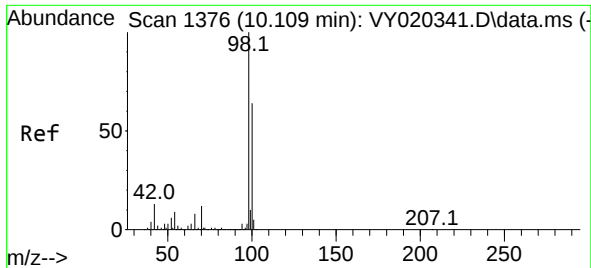
Tgt Ion: 43 Resp: 3891
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 9.6 14.4#



#48
Methyl methacrylate
Concen: 3.446 ug/l
RT: 9.170 min Scan# 1222
Delta R.T. -0.049 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion: 41 Resp: 3787
Ion Ratio Lower Upper
41 100
69 22.4 66.1 99.1#
39 49.8 46.0 69.0

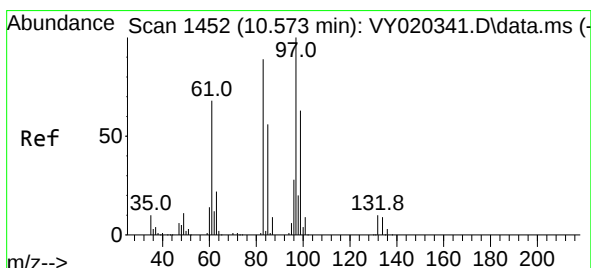
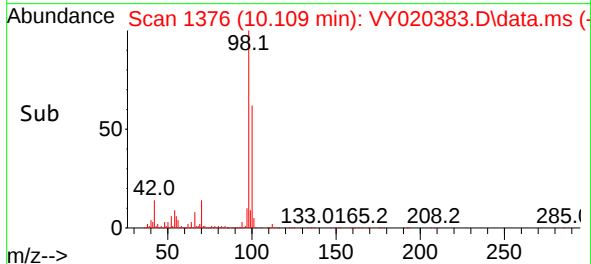
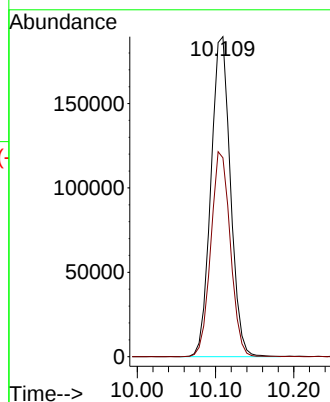
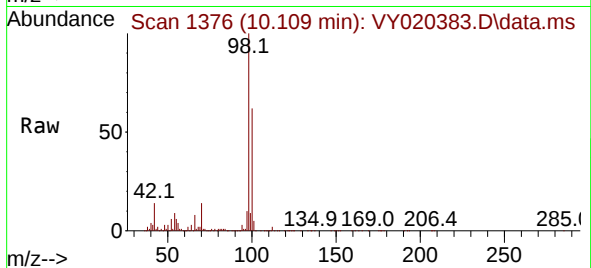




#50
Toluene-d8
Concen: 49.291 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

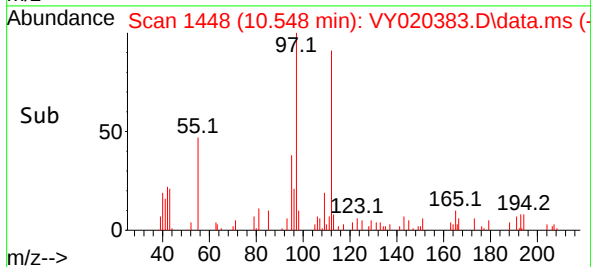
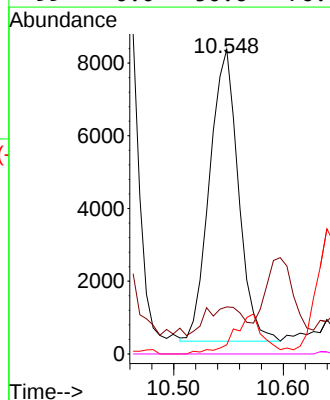
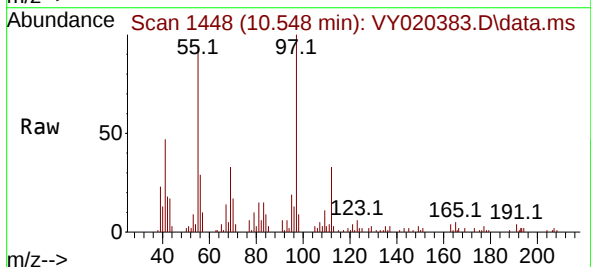
Instrument :
MSVOA_Y
ClientSampleId :

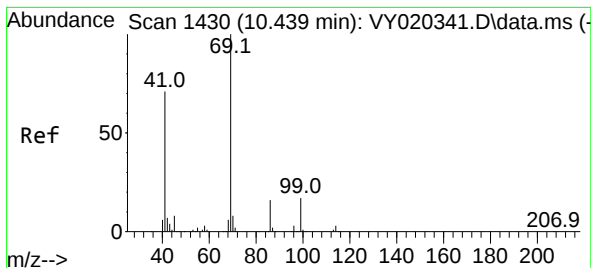
Tgt Ion: 98 Resp: 327970
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9



#55
1,1,2-Trichloroethane
Concen: 11.901 ug/l
RT: 10.548 min Scan# 1448
Delta R.T. -0.024 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion: 97 Resp: 14605
Ion Ratio Lower Upper
97 100
83 7.3 70.8 106.2#
85 3.1 44.9 67.3#
99 0.0 50.6 76.0#





#56

Ethyl methacrylate

Concen: 5.318 ug/l

RT: 10.451 min Scan# 1432

Delta R.T. 0.012 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

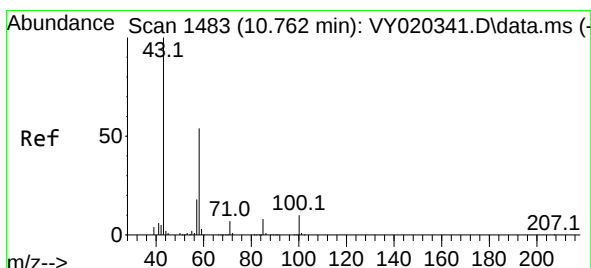
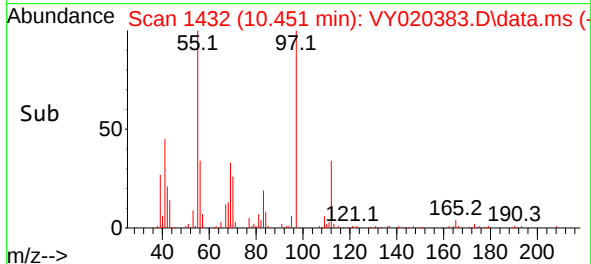
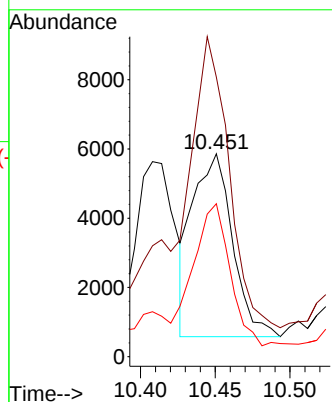
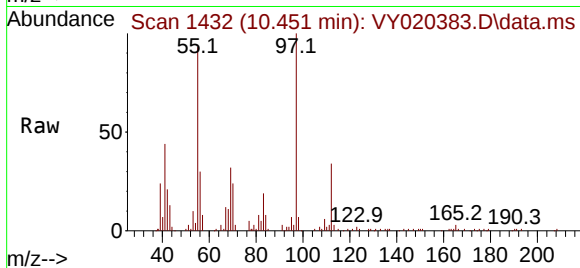
Tgt Ion: 69 Resp: 9801

Ion Ratio Lower Upper

69 100

41 213.4 56.1 84.1#

39 70.0 29.7 44.5#



#59

2-Hexanone

Concen: 40.266 ug/l

RT: 10.731 min Scan# 1478

Delta R.T. -0.030 min

Lab File: VY020383.D

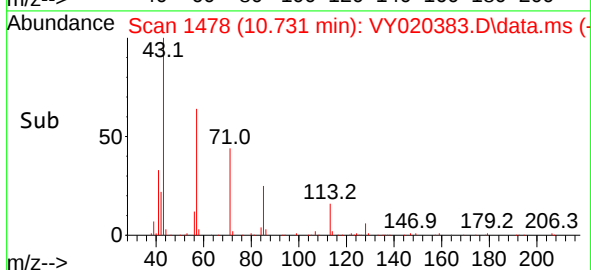
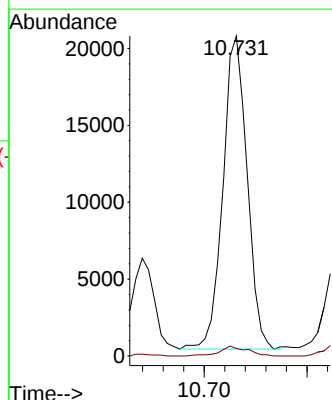
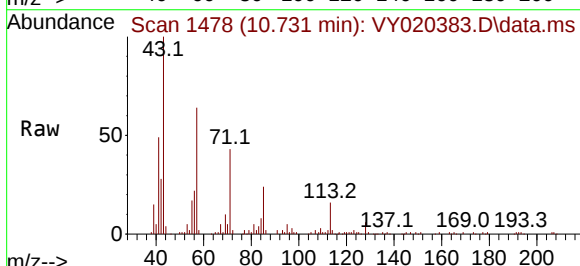
Acq: 21 Nov 2024 13:46

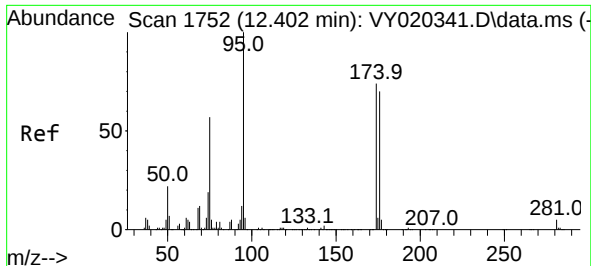
Tgt Ion: 43 Resp: 33255

Ion Ratio Lower Upper

43 100

58 3.6 26.4 79.2#





#62

4-Bromofluorobenzene

Concen: 53.699 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

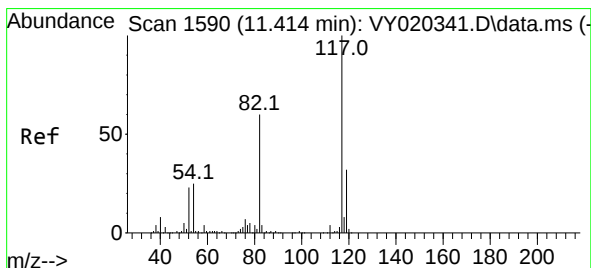
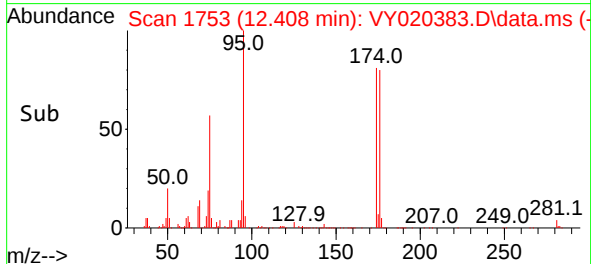
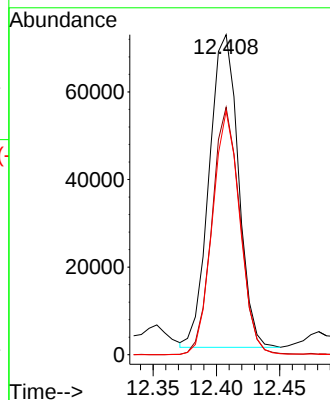
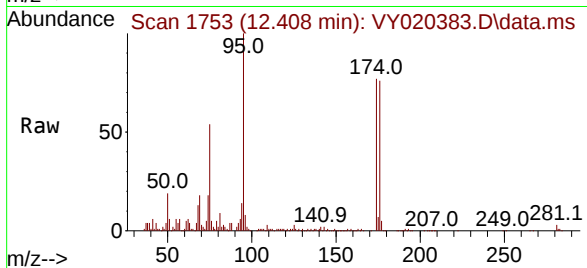
Tgt Ion: 95 Resp: 114860

Ion Ratio Lower Upper

95 100

174 75.7 0.0 156.8

176 73.4 0.0 152.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

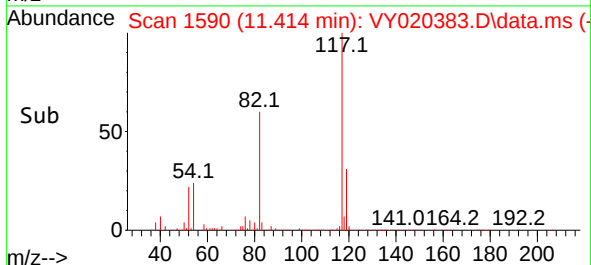
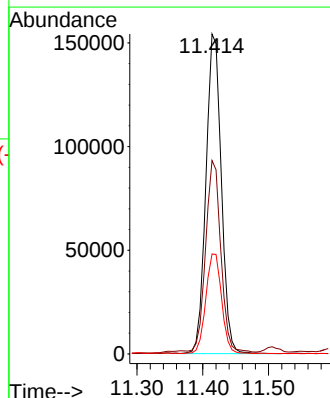
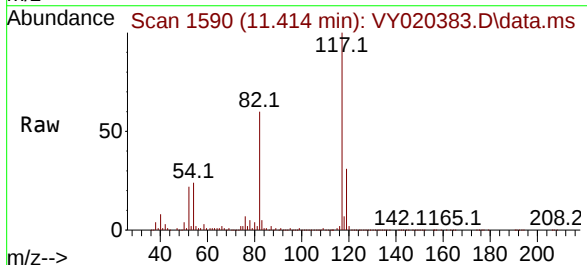
Tgt Ion: 117 Resp: 250206

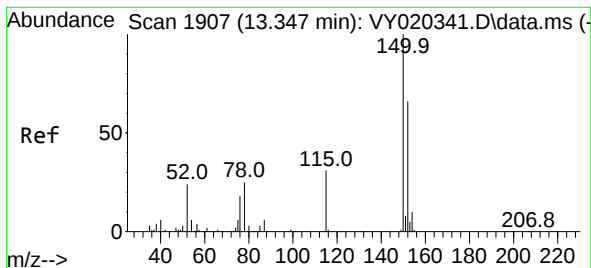
Ion Ratio Lower Upper

117 100

82 59.5 48.2 72.4

119 31.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

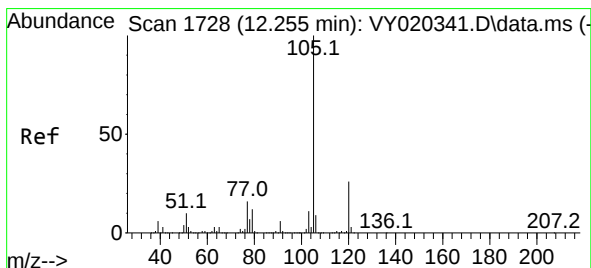
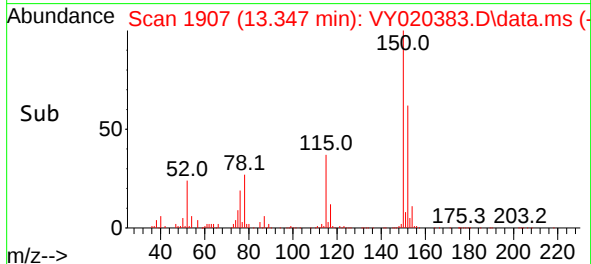
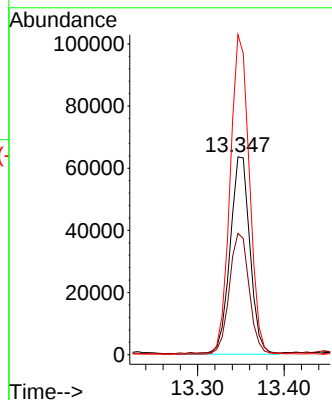
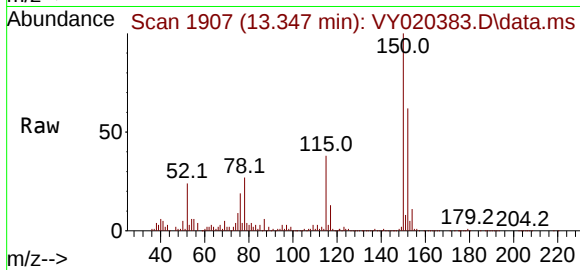
Tgt Ion:152 Resp: 101398

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

150 156.0 0.0 348.2



#73

Isopropylbenzene

Concen: 1.003 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY020383.D

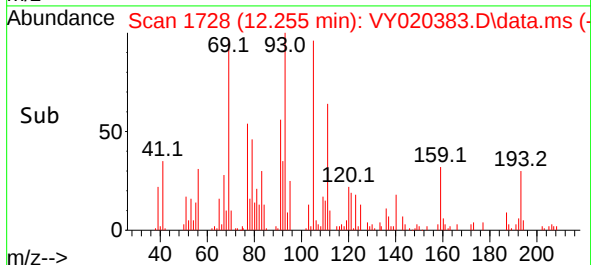
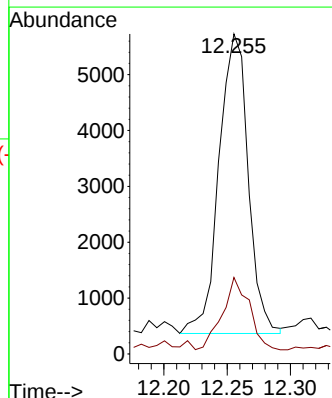
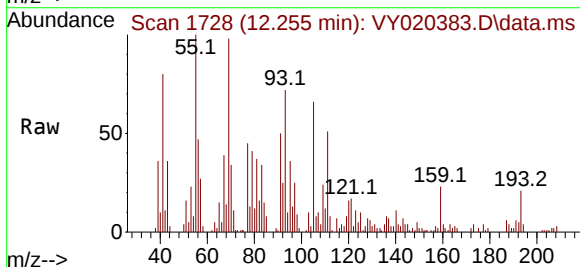
Acq: 21 Nov 2024 13:46

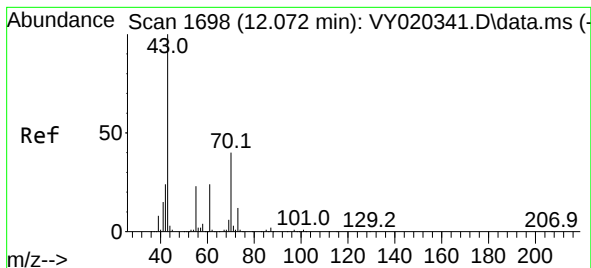
Tgt Ion:105 Resp: 8613

Ion Ratio Lower Upper

105 100

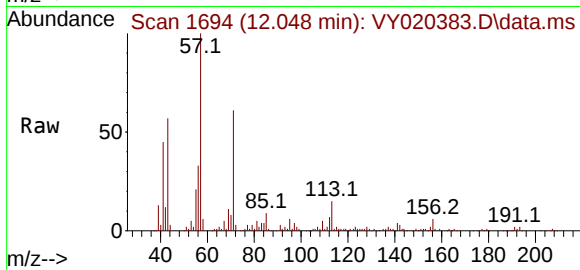
120 22.3 12.7 38.1



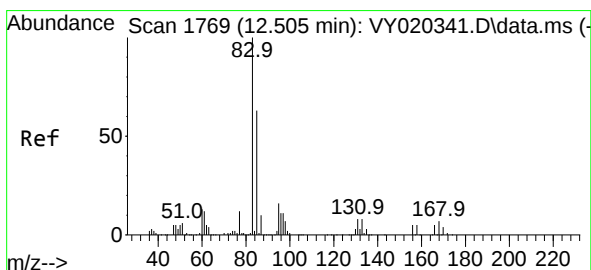
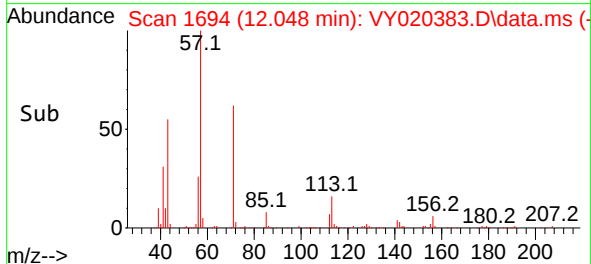
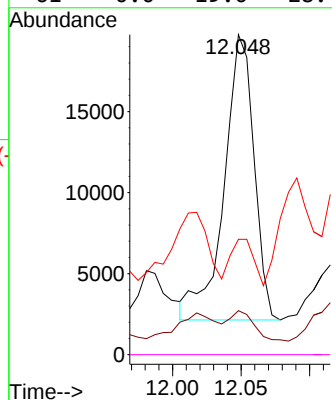


#74
N-amy1 acetate
Concen: 12.898 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

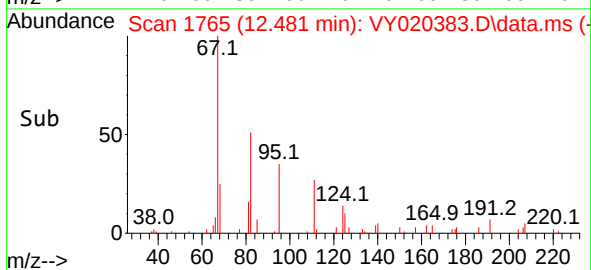
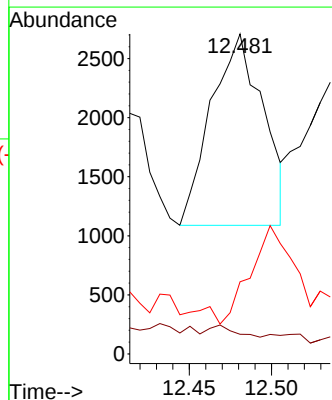
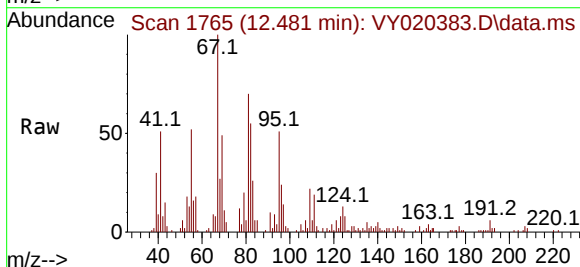


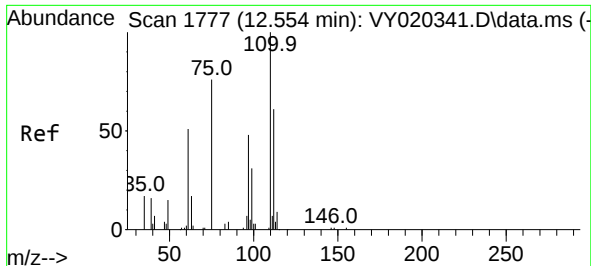
Tgt Ion: 43	Resp: 26773
Ion Ratio	Lower Upper
43 100	
70 8.6	32.9 49.3#
55 20.5	19.3 28.9
61 0.0	19.0 28.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.563 ug/l
RT: 12.481 min Scan# 1765
Delta R.T. -0.024 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion: 83	Resp: 3558
Ion Ratio	Lower Upper
83 100	
131 2.9	4.8 14.4#
85 0.0	32.0 96.0#

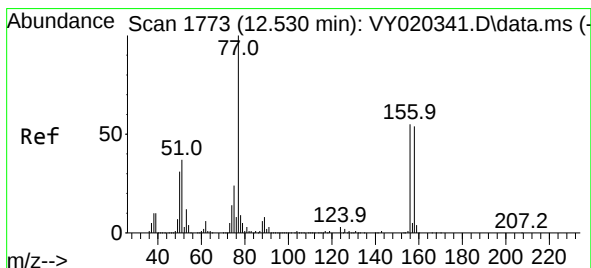
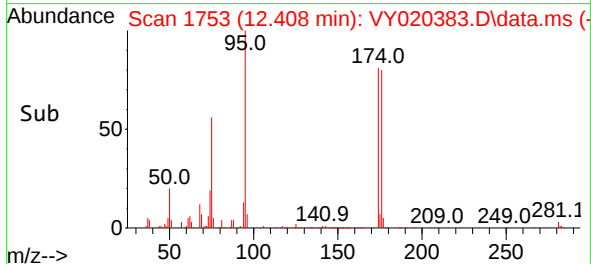
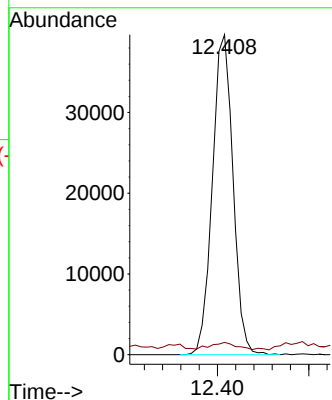
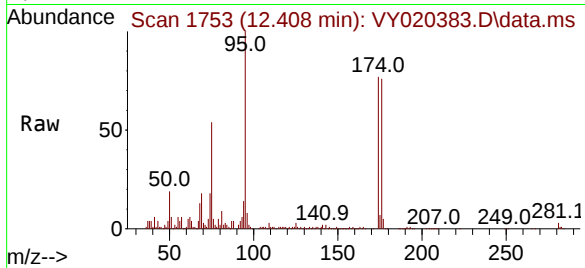




#76
1,2,3-Trichloropropane
Concen: 64.841 ug/l
RT: 12.408 min Scan# 1791
Delta R.T. -0.146 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

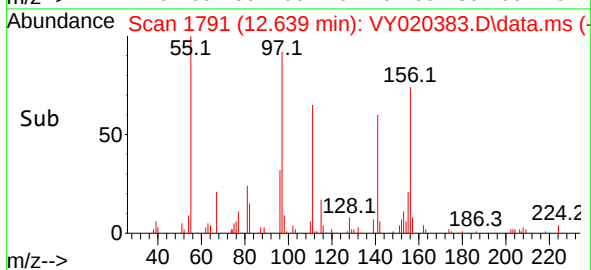
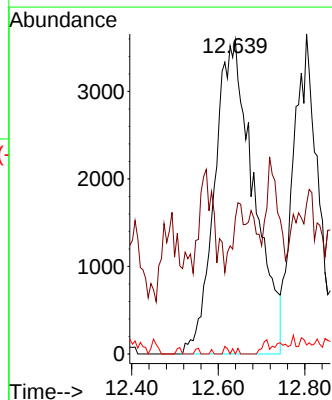
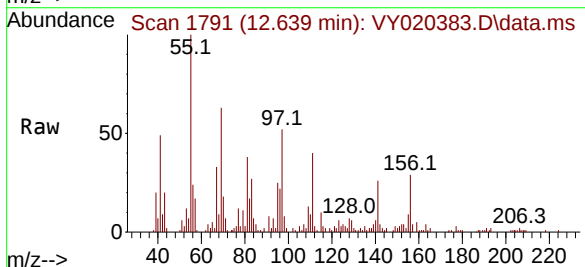
Instrument :
MSVOA_Y
ClientSampleId :

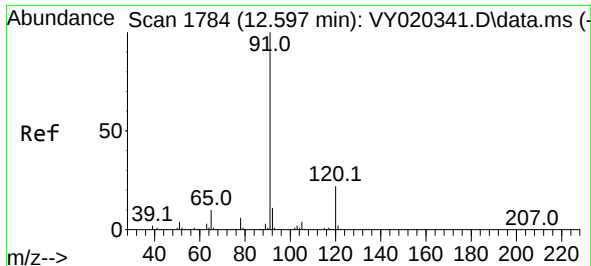
Tgt Ion: 75 Resp: 61969
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#77
Bromobenzene
Concen: 12.500 ug/l
RT: 12.639 min Scan# 1791
Delta R.T. 0.110 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion:156 Resp: 22496
Ion Ratio Lower Upper
156 100
77 6.7 97.2 291.6#
158 0.2 47.8 143.4#

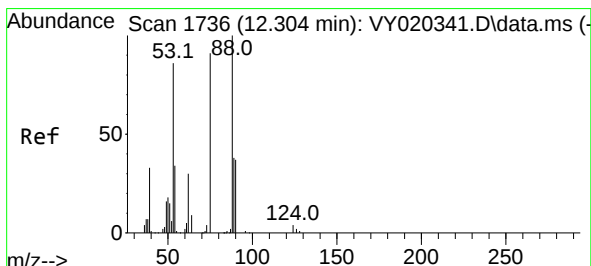
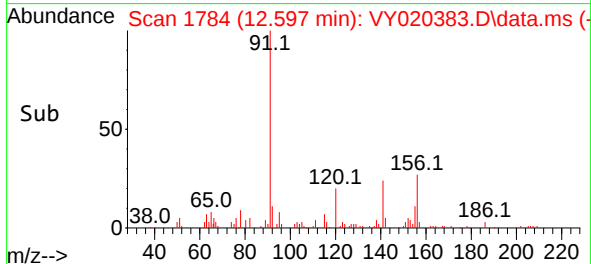
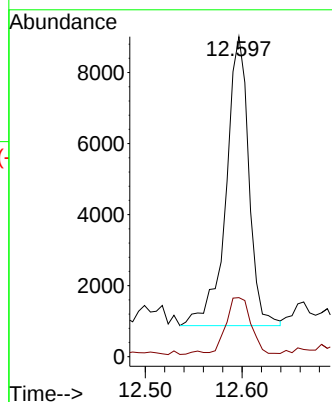
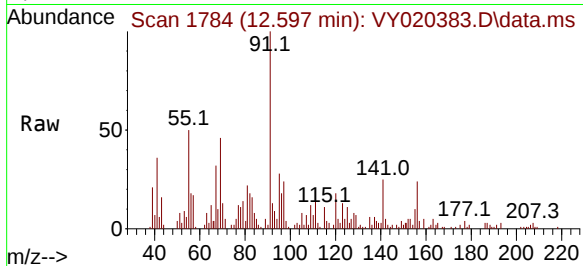




#78
n-propylbenzene
Concen: 1.296 ug/l
RT: 12.597 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

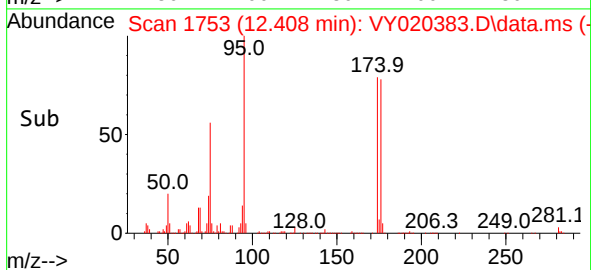
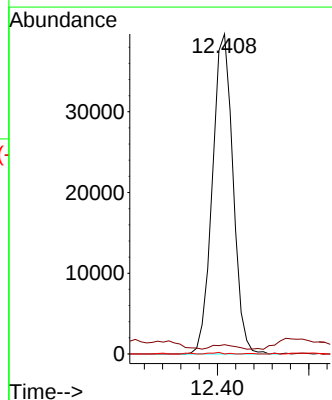
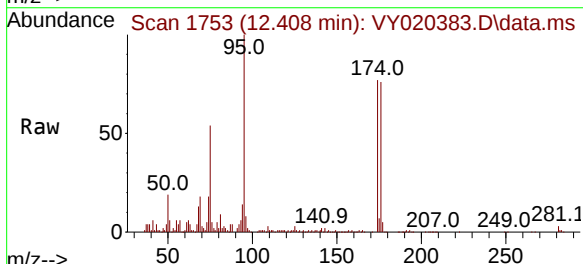
Instrument :
MSVOA_Y
ClientSampleId :

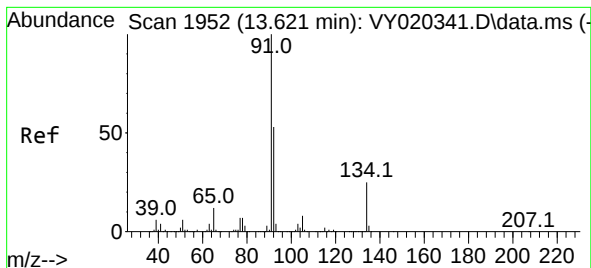
Tgt Ion: 91 Resp: 13364
Ion Ratio Lower Upper
91 100
120 20.7 10.9 32.6



#81
trans-1,4-Dichloro-2-butene
Concen: 127.053 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020383.D
Acq: 21 Nov 2024 13:46

Tgt Ion: 75 Resp: 61969
Ion Ratio Lower Upper
75 100
53 1.5 81.1 121.7#
89 0.3 35.1 52.7#





#89

n-Butylbenzene

Concen: 1.469 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VY020383.D

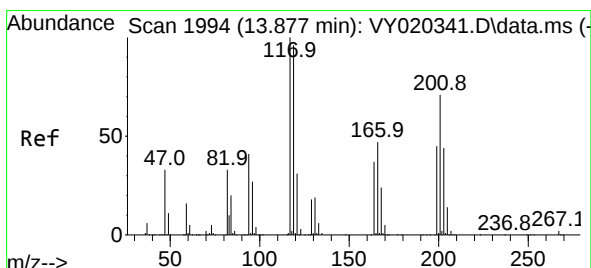
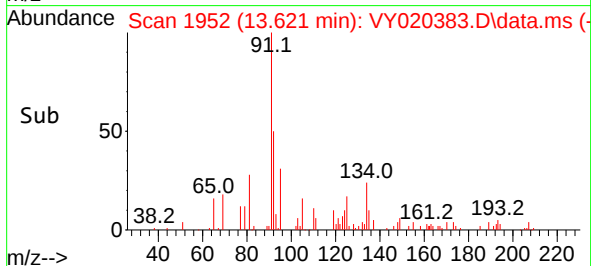
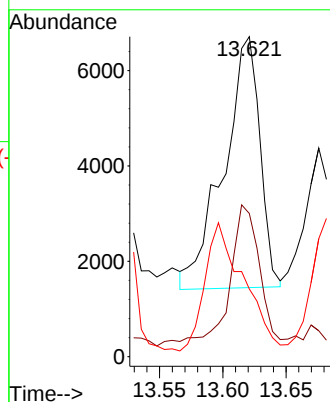
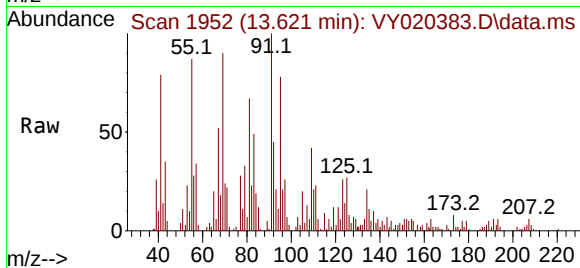
Acq: 21 Nov 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	91	Resp:	10506
Ion Ratio	Lower	Upper	
91	100		
92	47.3	26.5	79.5
134	0.0	12.2	36.4#



#90

Hexachloroethane

Concen: 2.899 ug/l

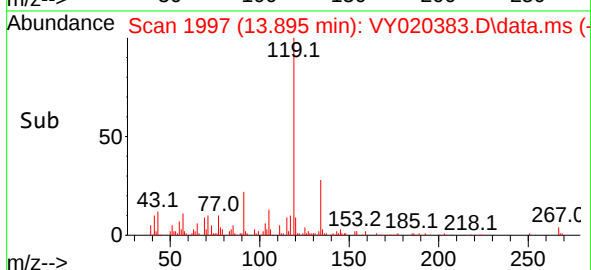
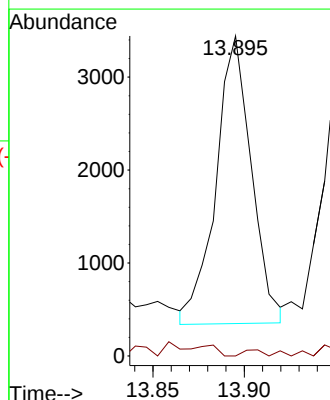
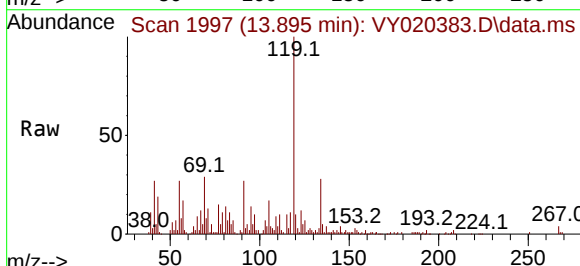
RT: 13.895 min Scan# 1997

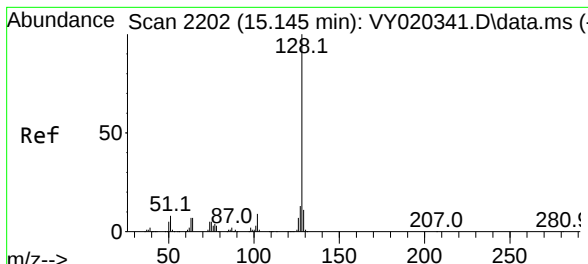
Delta R.T. 0.018 min

Lab File: VY020383.D

Acq: 21 Nov 2024 13:46

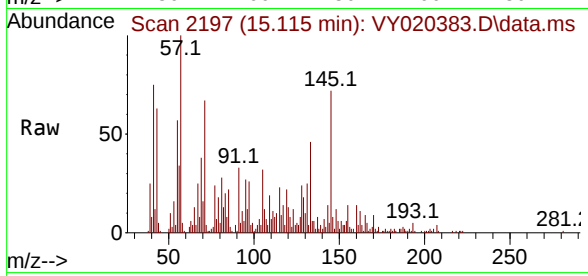
Tgt Ion:	117	Resp:	4178
Ion Ratio	Lower	Upper	
117	100		
201	1.1	37.1	111.3#





#95
 Naphthalene
 Concen: 1.049 ug/l
 RT: 15.115 min Scan# 21
 Delta R.T. -0.030 min
 Lab File: VY020383.D
 Acq: 21 Nov 2024 13:46

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 3312

Ion	Ratio	Lower	Upper
128	100		
127	49.1	10.5	15.7#
129	72.9	8.6	13.0#

