

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
 Data File : VY019980.D
 Acq On : 22 Oct 2024 14:46
 Operator : SY/MD
 Sample : P4471-02
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 23 01:30:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

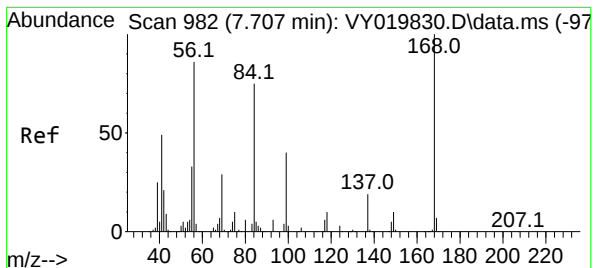
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	245403	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	479325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	85216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154408	51.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.200%	
35) Dibromofluoromethane	7.634	113	155229	49.076	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.160%	
50) Toluene-d8	10.103	98	568464	48.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	12.401	95	124092	29.402	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 58.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	1936	Below Cal	#	87
16) Acetone	3.872	43	116565	148.192	ug/l	87
17) Carbon Disulfide	4.104	76	110376	15.642	ug/l	97
20) Methylene Chloride	4.610	84	13854	4.025	ug/l	# 94
25) 2-Butanone	6.902	43	45231	42.960	ug/l	# 86
29) Tetrahydrofuran	7.268	42	1429	2.377	ug/l	# 61
31) Cyclohexane	7.701	56	9311	1.844	ug/l	# 66
36) 1,1-Dichloropropene	7.707	75	24990	5.484	ug/l	# 43
37) Ethyl Acetate	6.902	43	45231	19.035	ug/l	# 67
38) Carbon Tetrachloride	7.707	117	28560	5.846	ug/l	# 16
49) 1,4-Dioxane	9.237	88	469	22.219	ug/l	# 85
52) Toluene	10.170	92	33221	3.859	ug/l	97
68) m/p-Xylenes	11.621	106	11927	2.215	ug/l	85
73) Isopropylbenzene	12.261	105	195745	27.309	ug/l	# 60
74) N-amyl acetate	12.158	43	4332	2.282	ug/l	# 63
76) 1,2,3-Trichloropropane	12.401	75	72756	43.583	ug/l	# 100
77) Bromobenzene	12.596	156	10218	6.718	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.255	75	7570	18.304	ug/l	# 1
84) 1,2,4-Trimethylbenzene	13.041	105	16489	2.873	ug/l	90
86) p-Isopropyltoluene	13.285	119	430468	68.421	ug/l	95

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

Quant Time: Oct 23 01:30:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Instrument :

MSVOA_Y

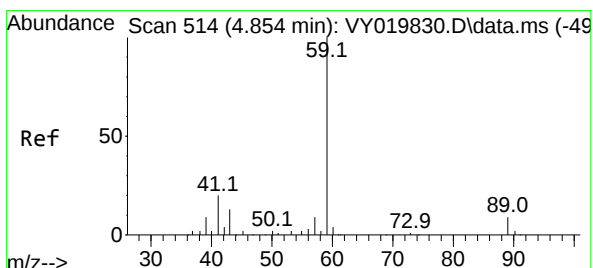
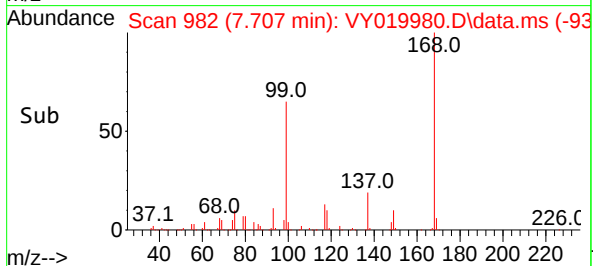
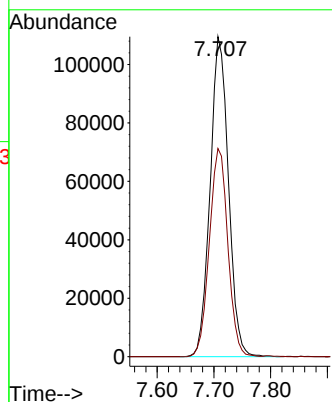
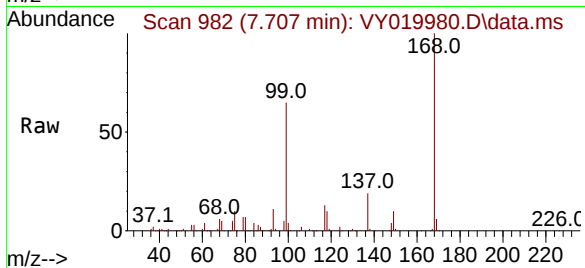
ClientSampleId :

Tgt Ion:168 Resp: 245403

Ion Ratio Lower Upper

168 100

99 65.0 39.1 58.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.860 min Scan# 515

Delta R.T. 0.000 min

Lab File: VY019980.D

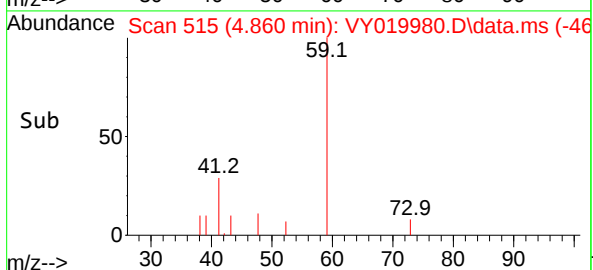
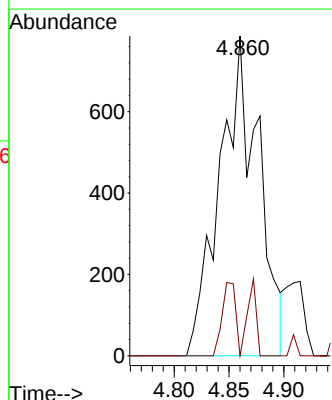
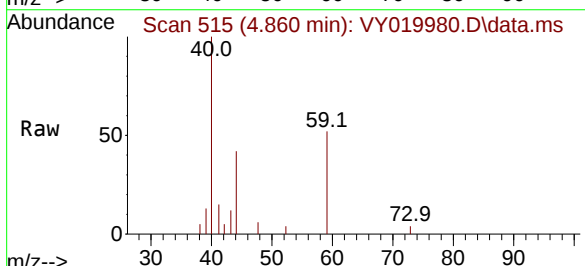
Acq: 22 Oct 2024 14:46

Tgt Ion: 59 Resp: 1936

Ion Ratio Lower Upper

59 100

57 8.0 3.0 4.6#

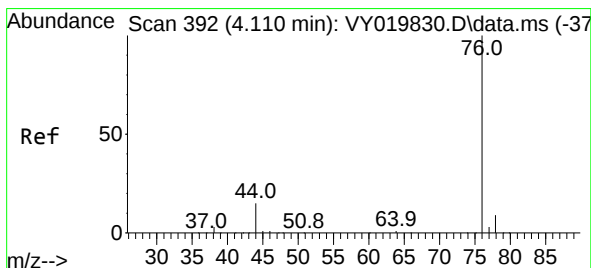
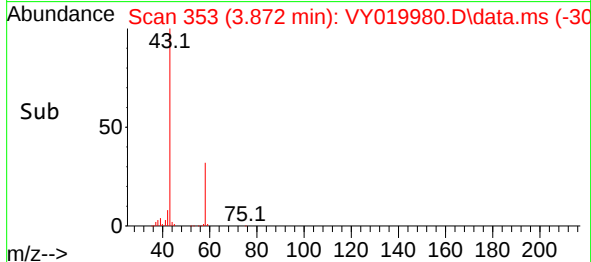
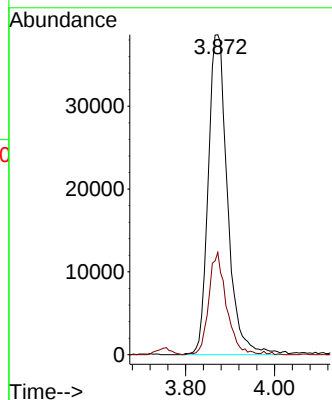
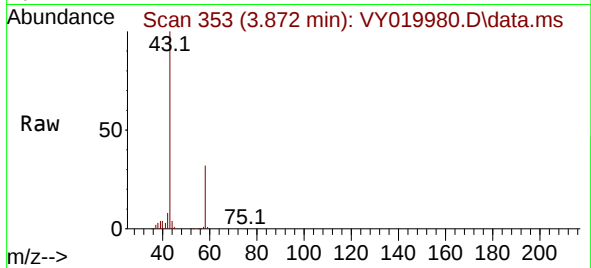




#16
Acetone
Concen: 148.192 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

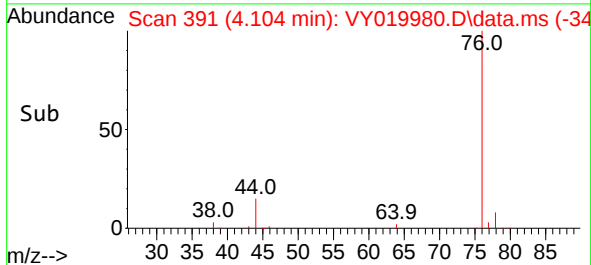
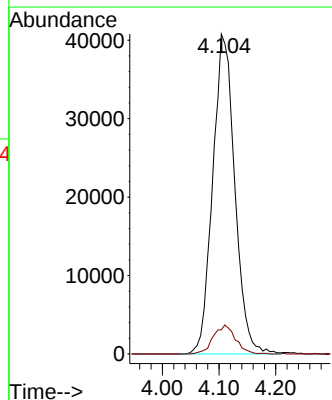
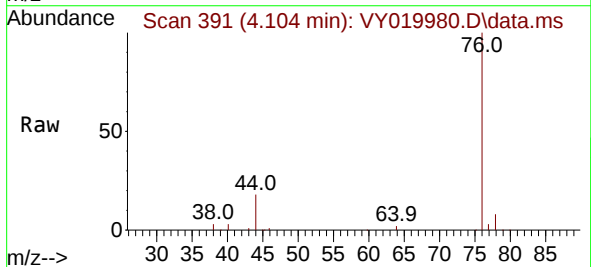
Instrument :
MSVOA_Y
ClientSampleId :

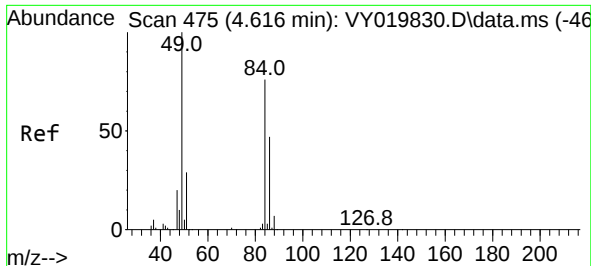
Tgt Ion: 43 Resp: 116565
Ion Ratio Lower Upper
43 100
58 31.8 31.7 47.5



#17
Carbon Disulfide
Concen: 15.642 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

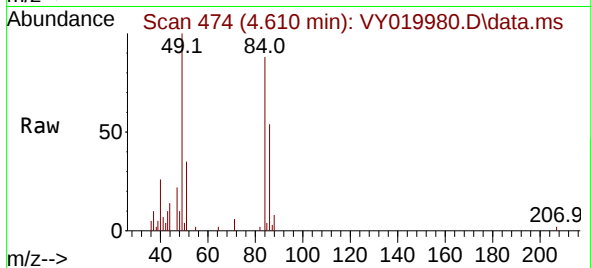
Tgt Ion: 76 Resp: 110376
Ion Ratio Lower Upper
76 100
78 7.6 6.8 10.2



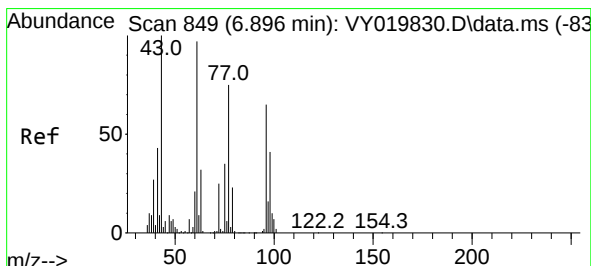
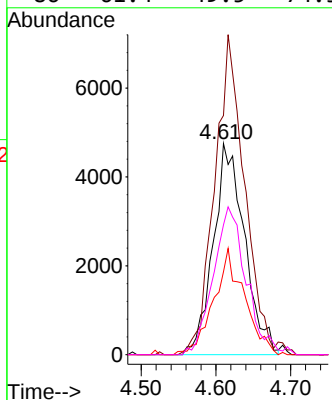
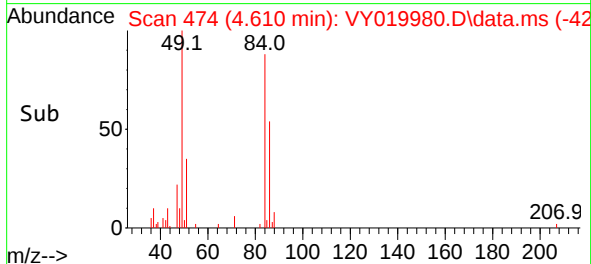


#20
Methylene Chloride
Concen: 4.025 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

Instrument :
MSVOA_Y
ClientSampleId :

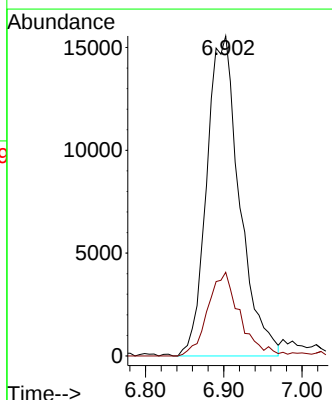
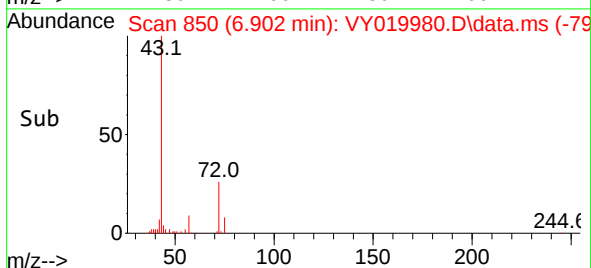
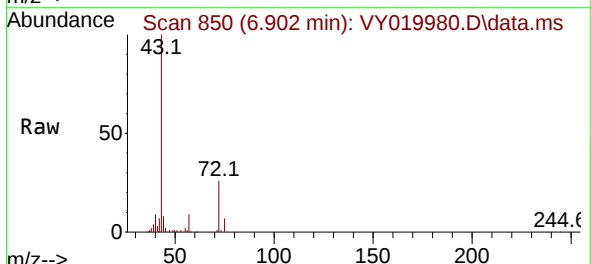


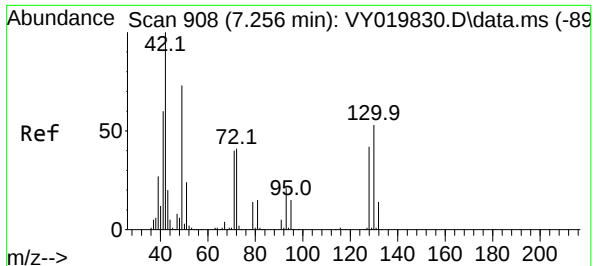
Tgt Ion:	84	Resp:	13854
Ion	Ratio	Lower	Upper
84	100		
49	113.3	84.4	126.6
51	39.2	26.0	39.0#
86	61.4	49.5	74.3



#25
2-Butanone
Concen: 42.960 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

Tgt Ion:	43	Resp:	45231
Ion	Ratio	Lower	Upper
43	100		
72	26.2	27.3	40.9#





#29

Tetrahydrofuran

Concen: 2.377 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

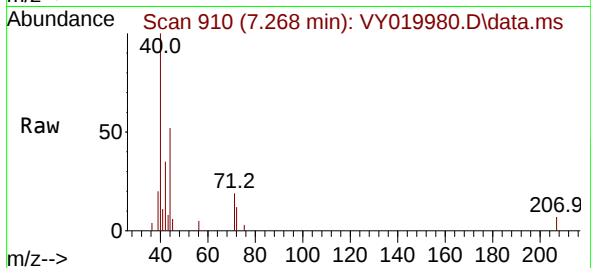
Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

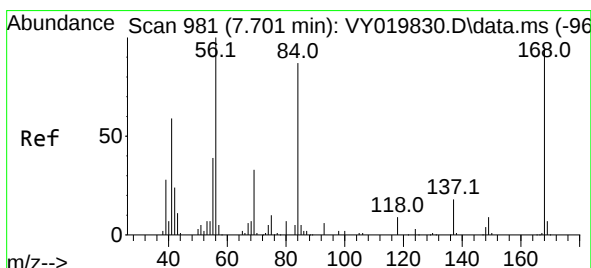
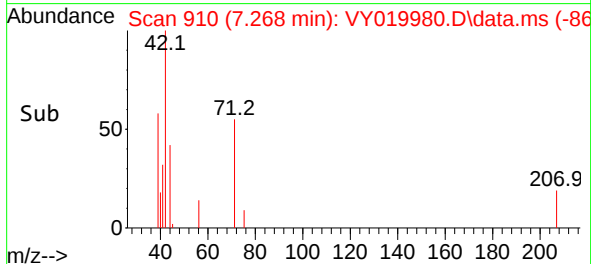
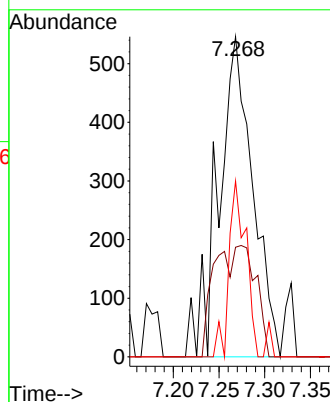
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1429
Ion	Ratio	Lower	Upper
42	100		
72	22.9	43.0	64.4#
71	27.2	40.8	61.2#



#31

Cyclohexane

Concen: 1.844 ug/l

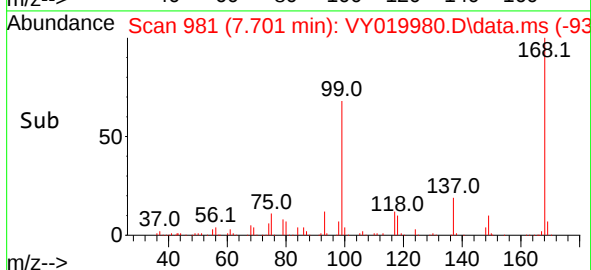
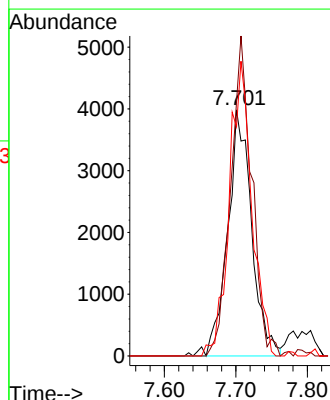
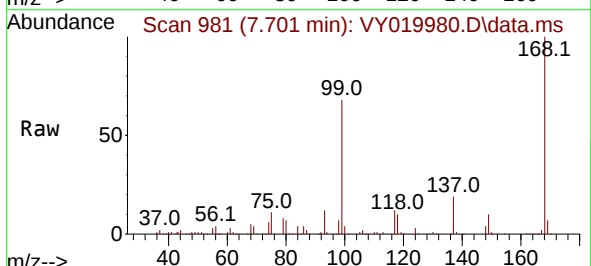
RT: 7.701 min Scan# 981

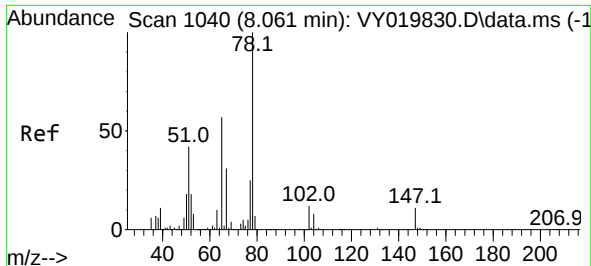
Delta R.T. 0.000 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Tgt Ion:	56	Resp:	9311
Ion	Ratio	Lower	Upper
56	100		
69	103.2	28.7	43.1#
84	93.1	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 51.101 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Instrument :

MSVOA_Y

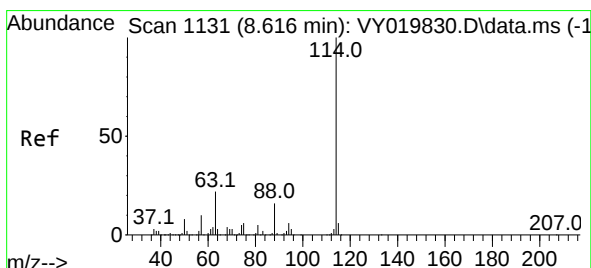
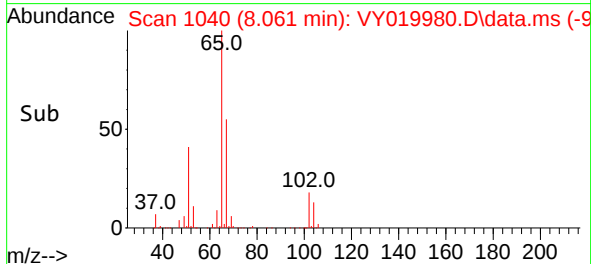
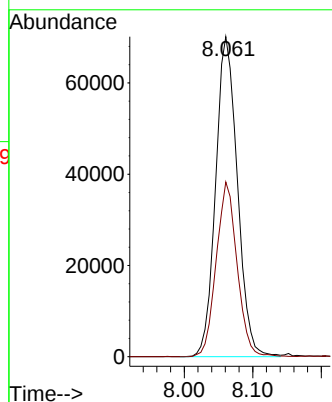
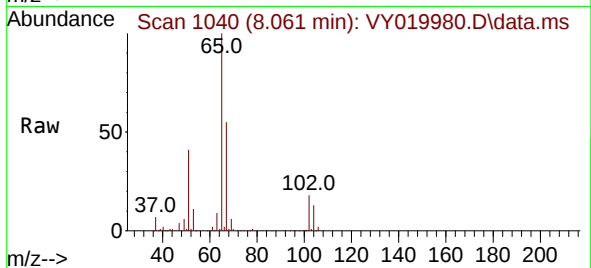
ClientSampleId :

Tgt Ion: 65 Resp: 154408

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

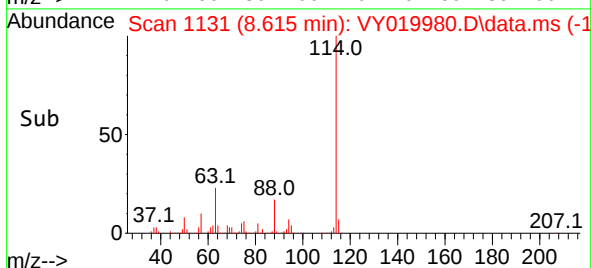
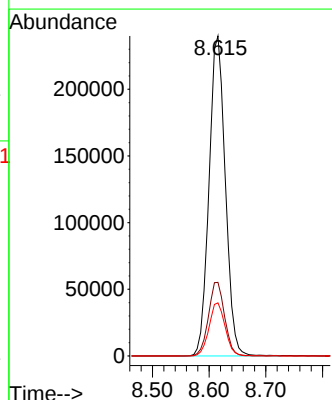
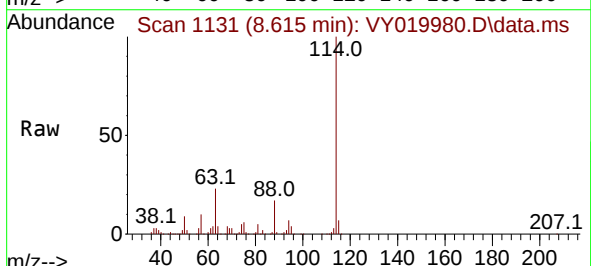
Tgt Ion: 114 Resp: 479325

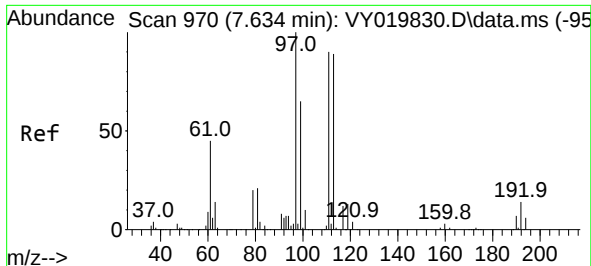
Ion Ratio Lower Upper

114 100

63 23.0 0.0 35.0

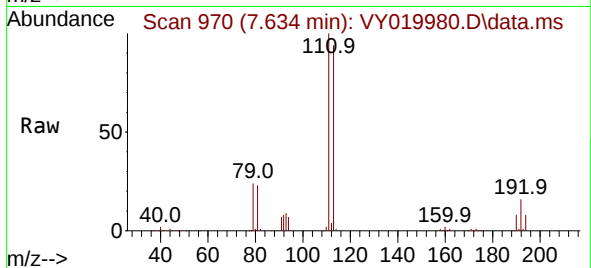
88 16.6 0.0 27.2



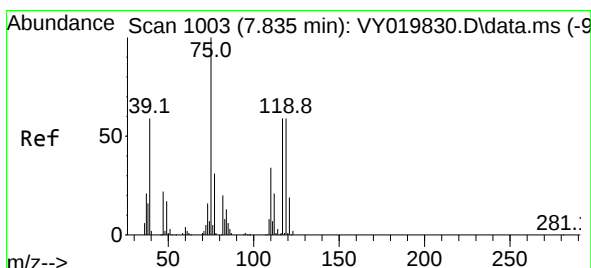
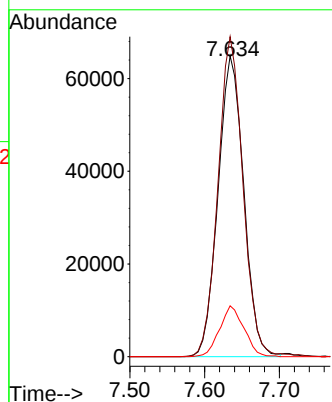
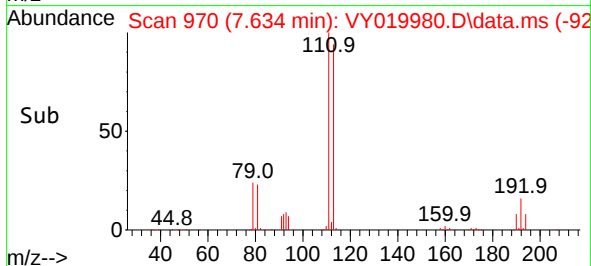


#35
Dibromofluoromethane
Concen: 49.076 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

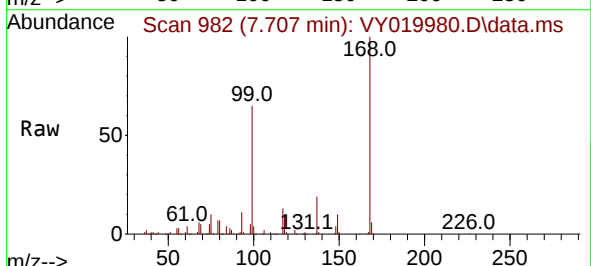
Instrument :
MSVOA_Y
ClientSampleId :



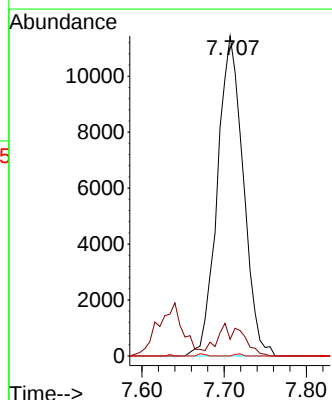
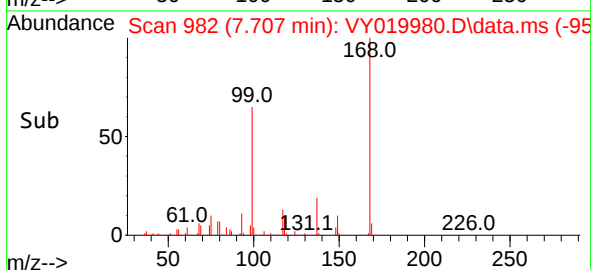
Tgt Ion:113 Resp: 155229
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 16.1 15.9 23.9

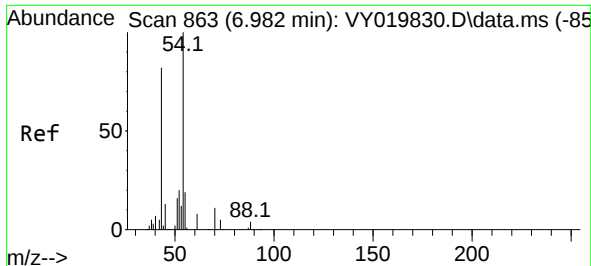


#36
1,1-Dichloropropene
Concen: 5.484 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46



Tgt Ion: 75 Resp: 24990
Ion Ratio Lower Upper
75 100
110 3.6 19.0 57.0#
77 0.2 25.3 37.9#





#37

Ethyl Acetate

Concen: 19.035 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.079 min

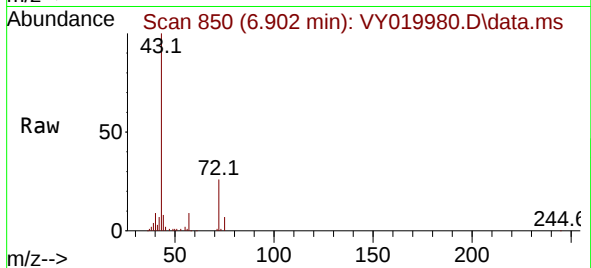
Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :



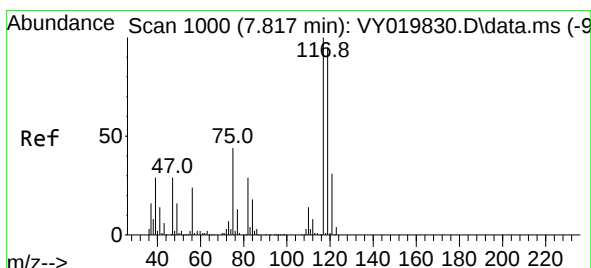
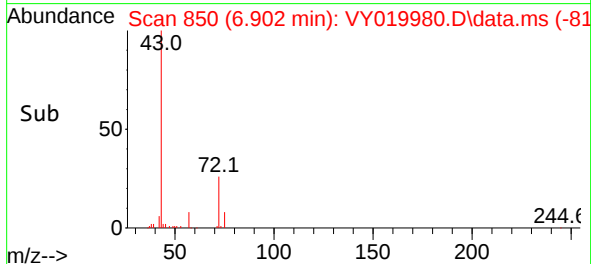
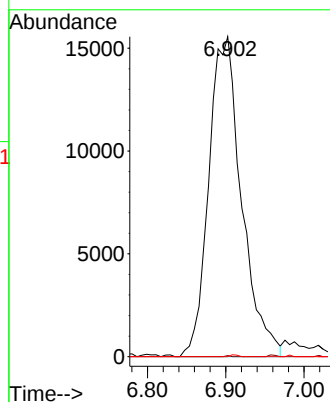
Tgt Ion: 43 Resp: 45231

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.1 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

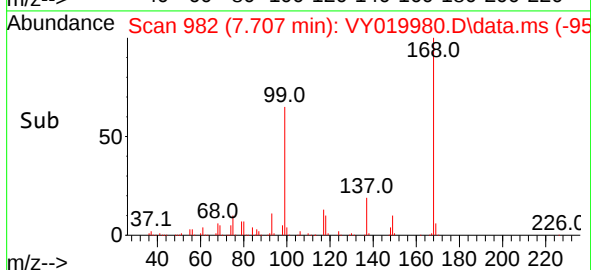
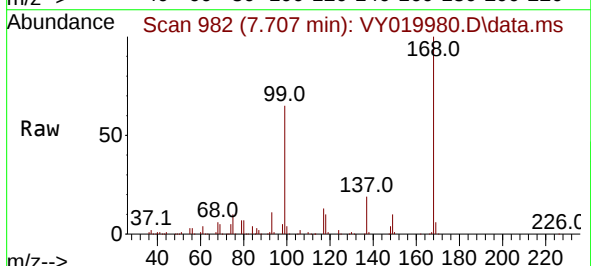
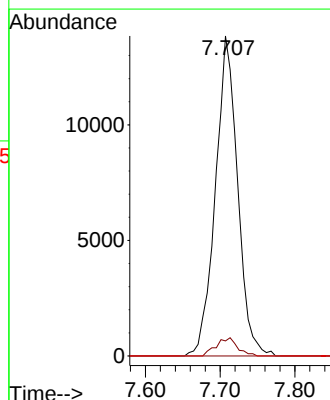
Tgt Ion: 117 Resp: 28560

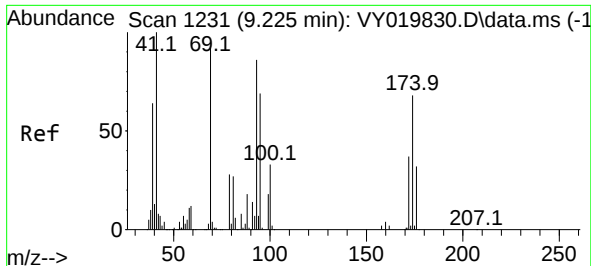
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 22.219 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :

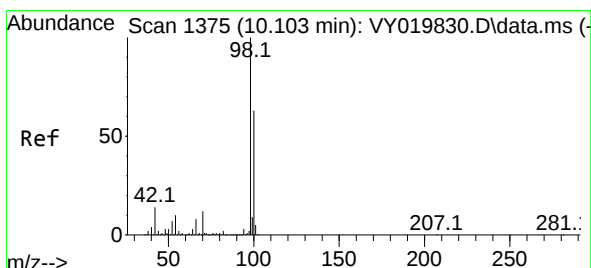
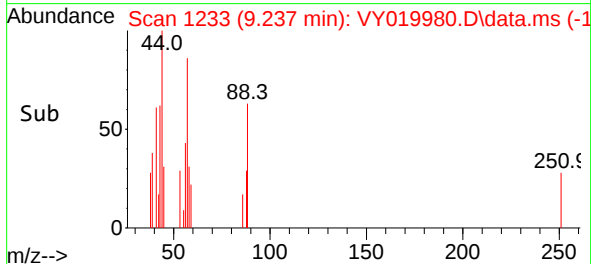
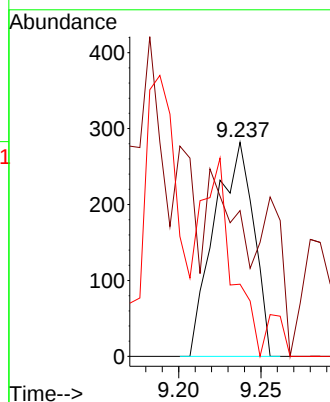
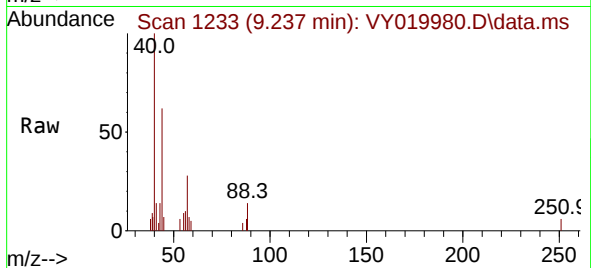
Tgt Ion: 88 Resp: 469

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 73.1 49.3 73.9



#50

Toluene-d8

Concen: 48.667 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019980.D

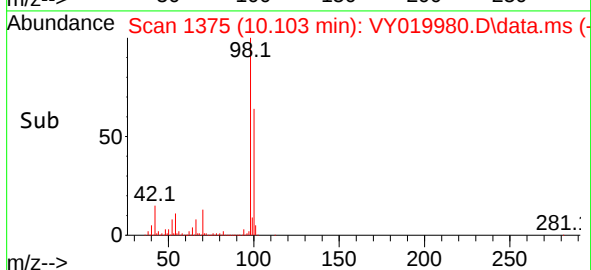
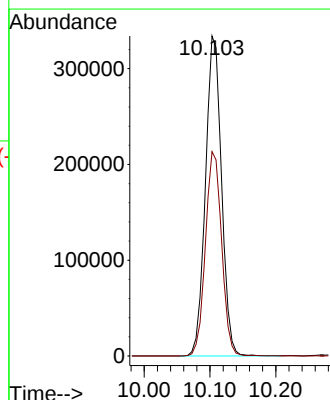
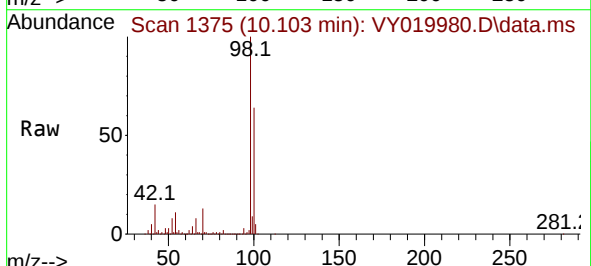
Acq: 22 Oct 2024 14:46

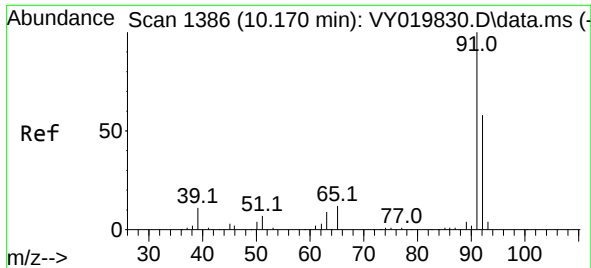
Tgt Ion: 98 Resp: 568464

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

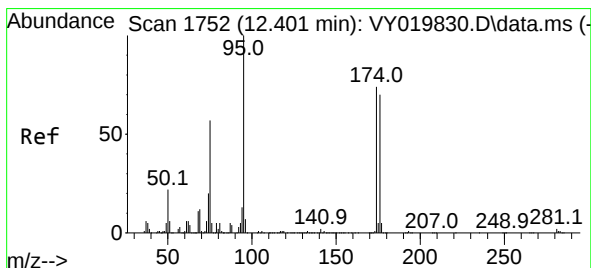
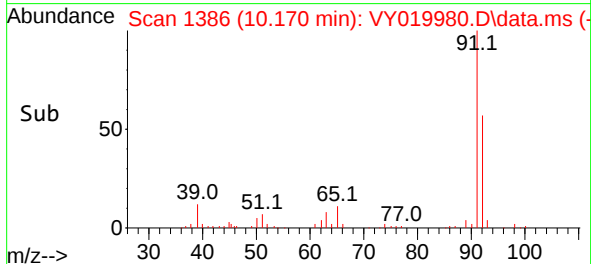
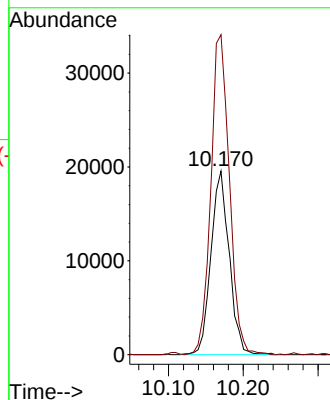
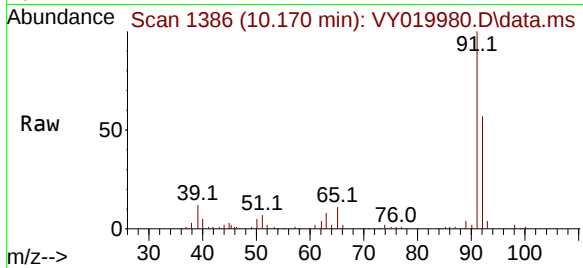




#52
Toluene
Concen: 3.859 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

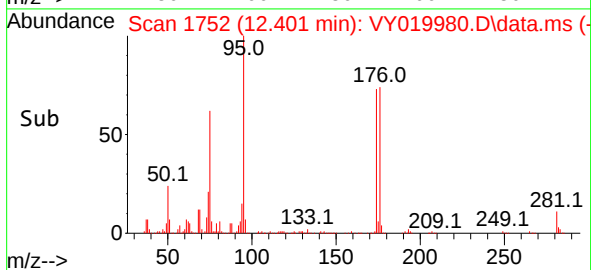
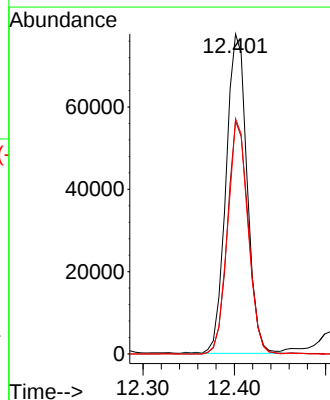
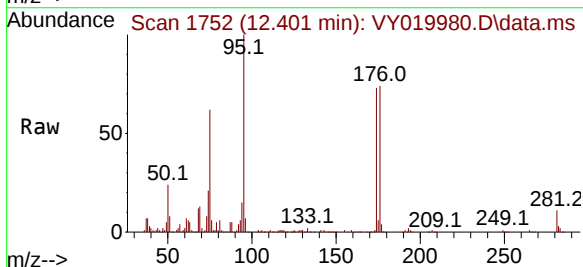
Instrument :
MSVOA_Y
ClientSampleId :

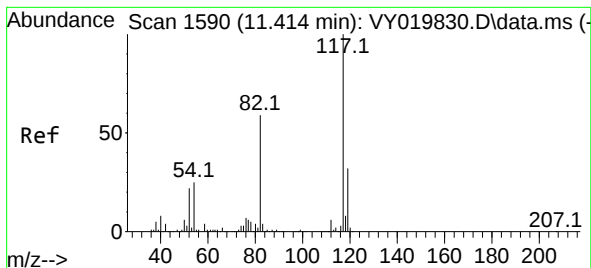
Tgt Ion: 92 Resp: 33221
Ion Ratio Lower Upper
92 100
91 177.4 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 29.402 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

Tgt Ion: 95 Resp: 124092
Ion Ratio Lower Upper
95 100
174 71.9 0.0 175.6
176 71.1 0.0 171.4

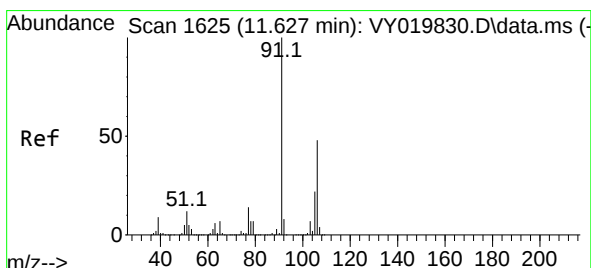
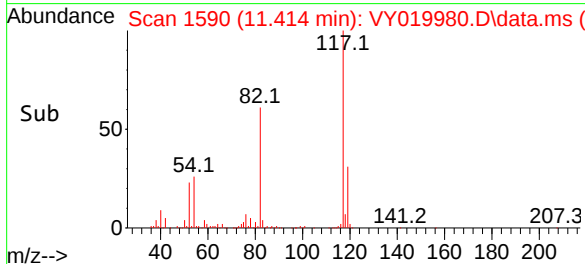
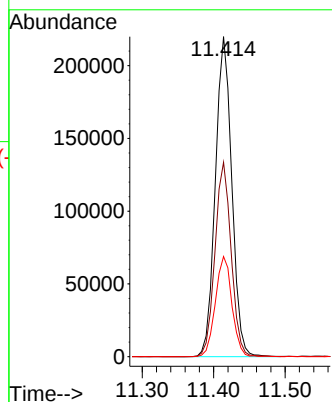
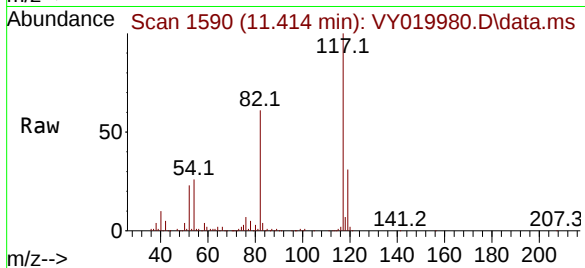




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

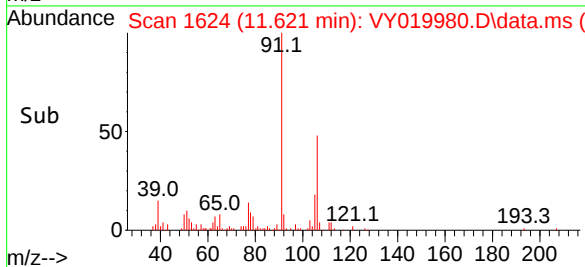
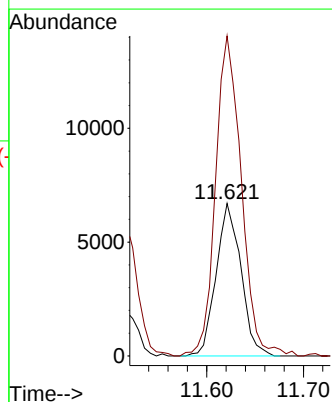
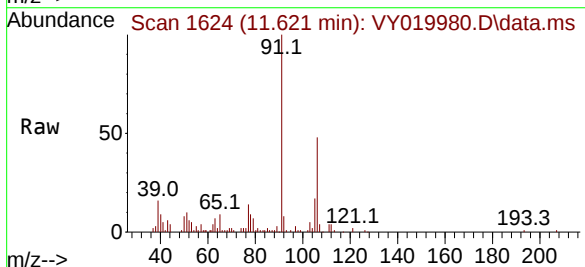
Instrument :
MSVOA_Y
ClientSampleId :

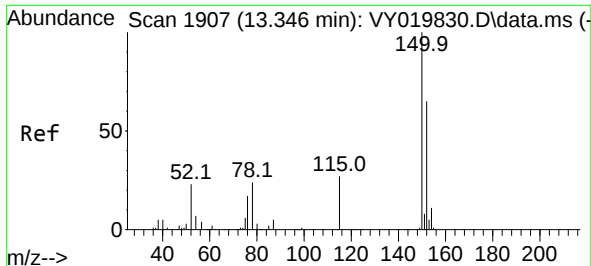
Tgt Ion:117 Resp: 350885
Ion Ratio Lower Upper
117 100
82 60.8 42.4 63.6
119 31.3 25.9 38.9



#68
m/p-Xylenes
Concen: 2.215 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

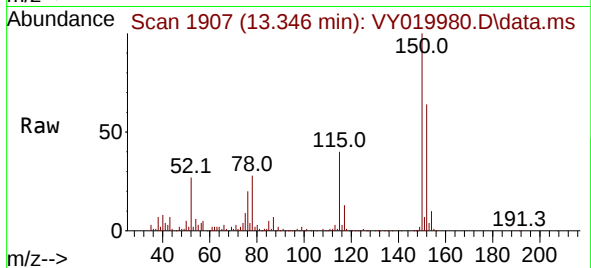
Tgt Ion:106 Resp: 11927
Ion Ratio Lower Upper
106 100
91 218.1 156.0 234.0



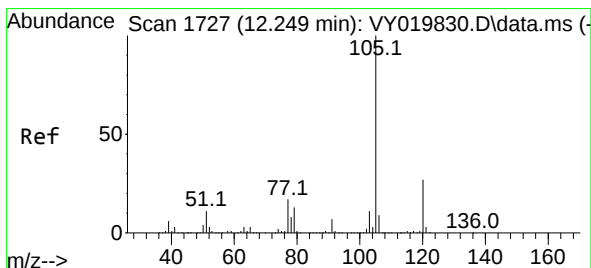
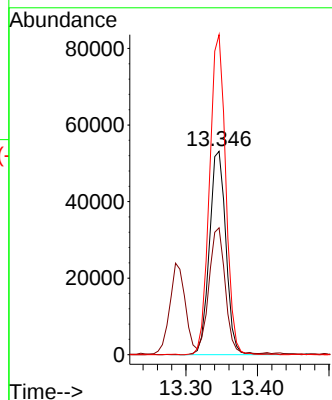
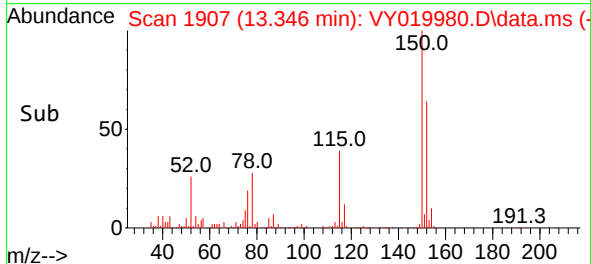


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

Instrument :
MSVOA_Y
ClientSampleId :

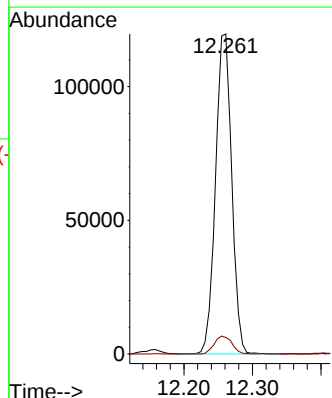
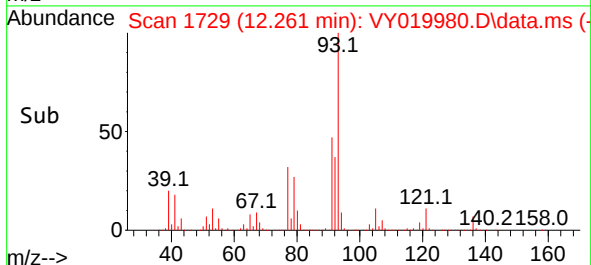
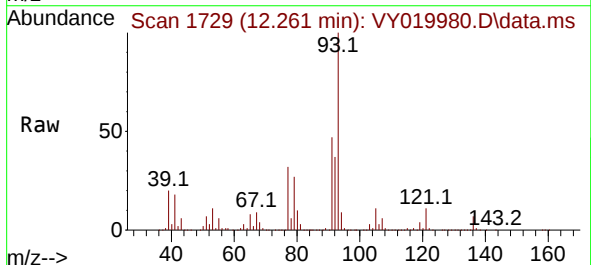


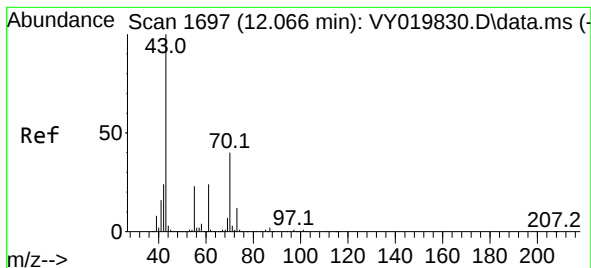
Tgt Ion:152 Resp: 85216
Ion Ratio Lower Upper
152 100
115 61.4 28.2 84.7
150 154.1 0.0 345.6



#73
Isopropylbenzene
Concen: 27.309 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

Tgt Ion:105 Resp: 195745
Ion Ratio Lower Upper
105 100
120 6.1 13.4 40.1#

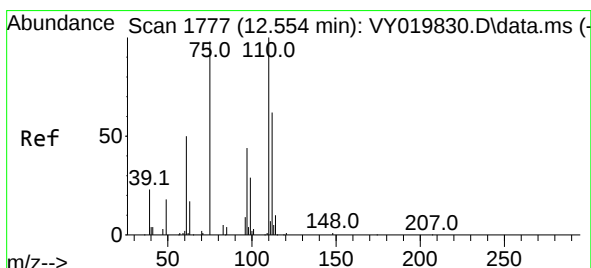
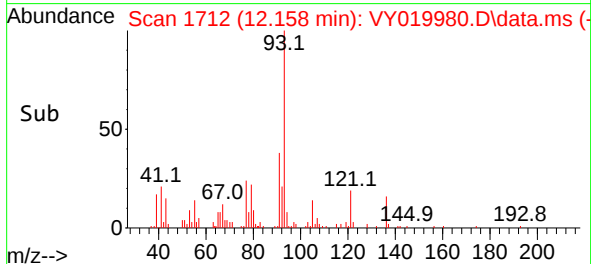
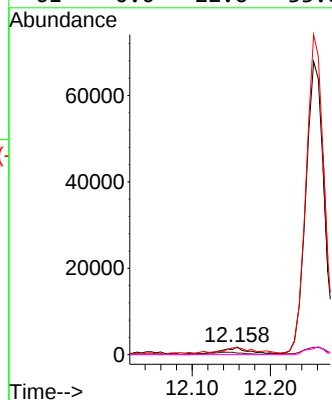
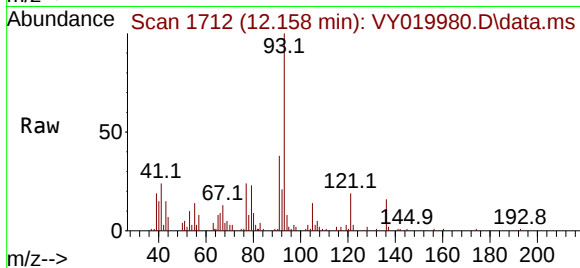




#74
N-amy1 acetate
Concen: 2.282 ug/l
RT: 12.158 min Scan# 1712
Delta R.T. 0.086 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

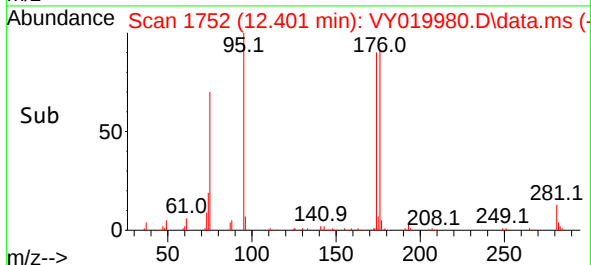
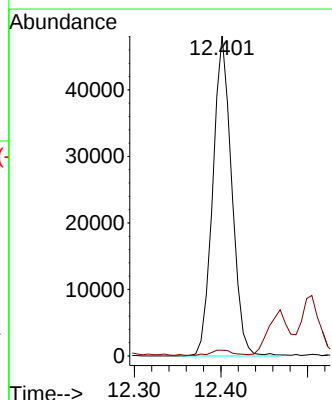
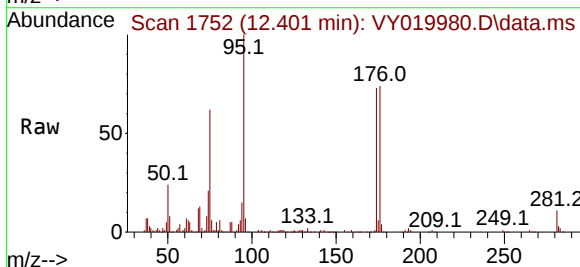
Instrument :
MSVOA_Y
ClientSampleId :

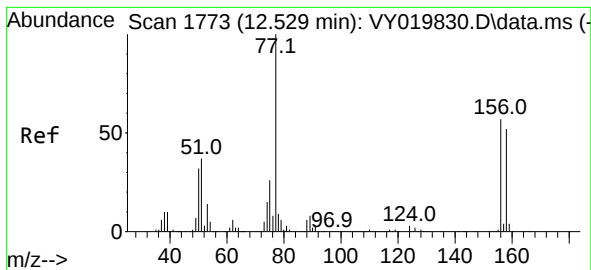
Tgt Ion: 43 Resp: 4332
Ion Ratio Lower Upper
43 100
70 38.9 41.4 62.2#
55 0.0 23.3 34.9#
61 0.0 22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 43.583 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019980.D
Acq: 22 Oct 2024 14:46

Tgt Ion: 75 Resp: 72756
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 6.718 ug/l

RT: 12.596 min Scan# 1

Delta R.T. 0.061 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :

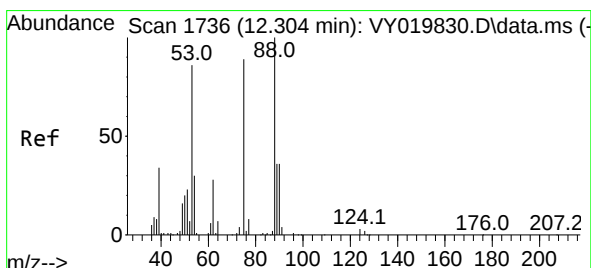
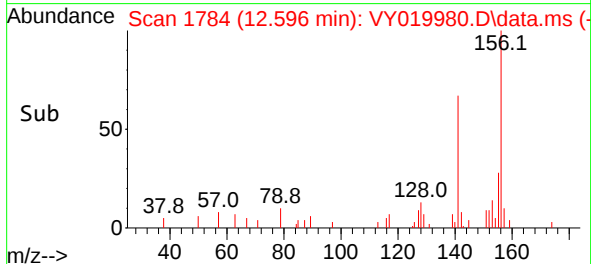
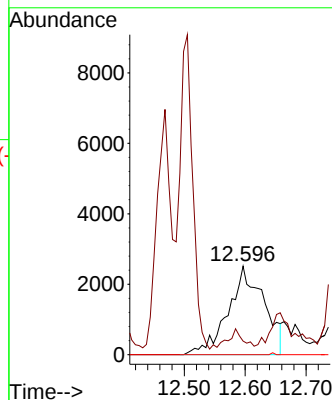
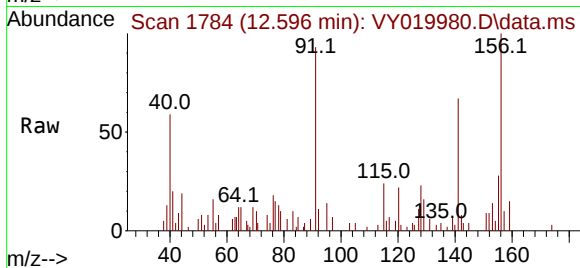
Tgt Ion:156 Resp: 10218

Ion Ratio Lower Upper

156 100

77 0.0 87.1 261.3#

158 0.0 48.6 145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 18.304 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.049 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

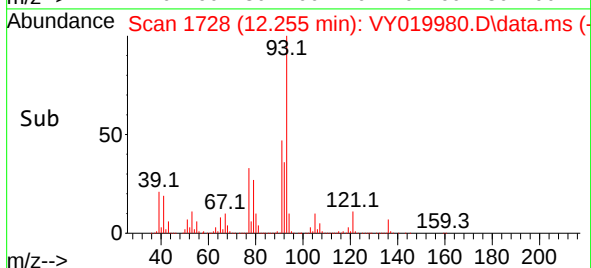
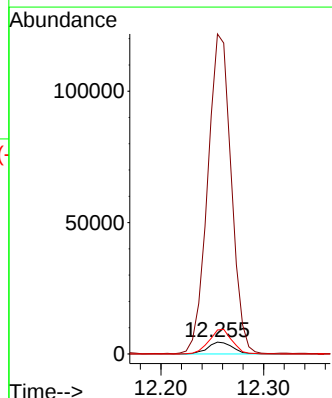
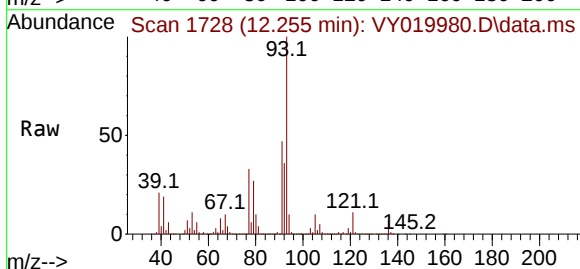
Tgt Ion: 75 Resp: 7570

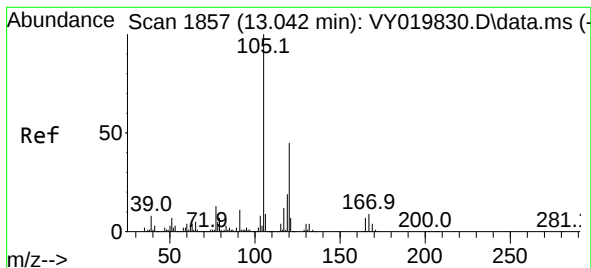
Ion Ratio Lower Upper

75 100

53 2553.1 66.8 100.2#

89 193.5 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.873 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Instrument :

MSVOA_Y

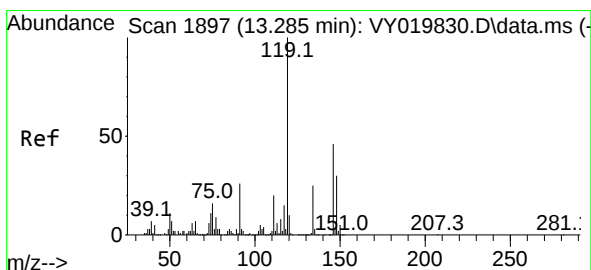
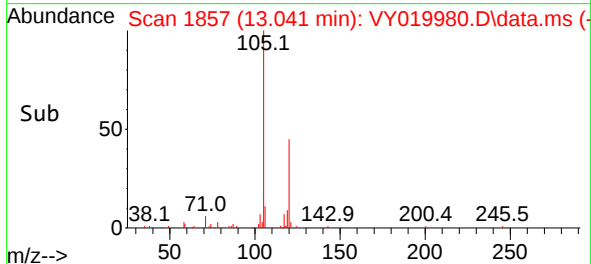
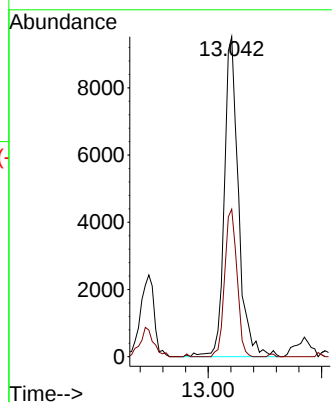
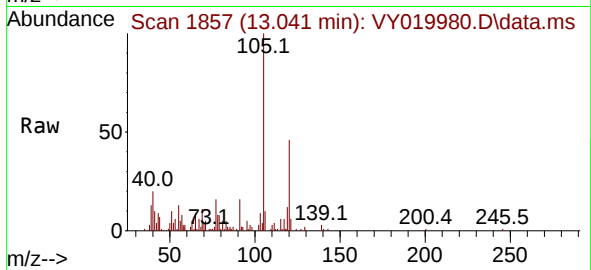
ClientSampleId :

Tgt Ion:105 Resp: 16489

Ion Ratio Lower Upper

105 100

120 39.9 23.2 69.6



#86

p-Isopropyltoluene

Concen: 68.421 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY019980.D

Acq: 22 Oct 2024 14:46

Tgt Ion:119 Resp: 430468

Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.3

91 26.1 10.7 32.1

