

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100424\
 Data File : VY019800.D
 Acq On : 04 Oct 2024 15:17
 Operator : SY/MD
 Sample : P4272-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 23:33:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

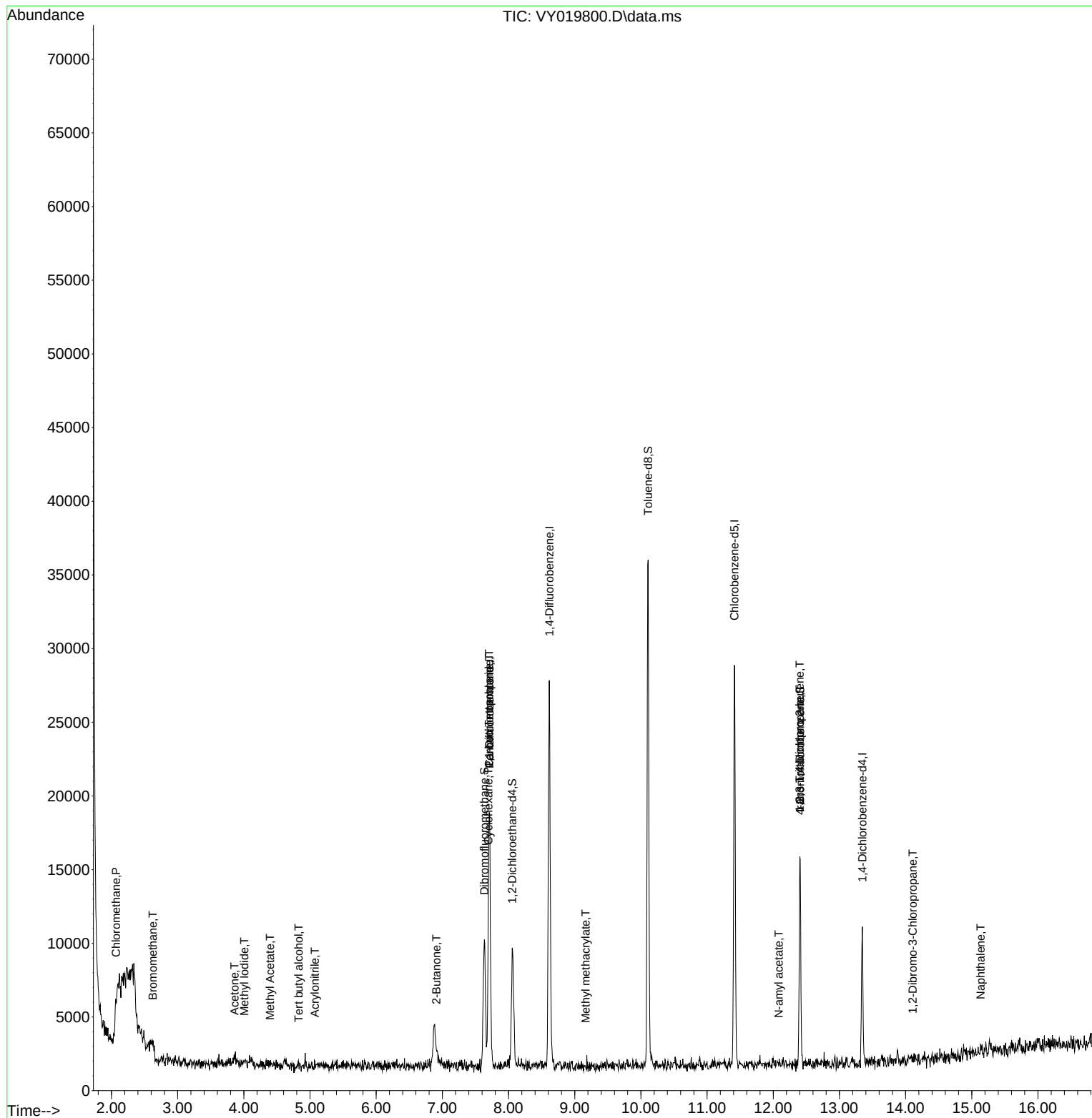
Internal Standards						
1) Pentafluorobenzene	7.713	168	13376	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	22516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	14607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	6727	54.312	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.620%	
35) Dibromofluoromethane	7.634	113	6656	52.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.280%	
50) Toluene-d8	10.109	98	22628	47.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.840%	
62) 4-Bromofluorobenzene	12.408	95	4363	24.030	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 48.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	162	1.464	ug/l	# 72
5) Bromomethane	2.623	94	241	3.279	ug/l	# 61
10) Methyl Iodide	4.007	142	177	1.119	ug/l	# 42
11) Tert butyl alcohol	4.830	59	23	2.299	ug/l	# 88
13) Acrolein	3.635	56	55	Below Cal		# 15
15) Acrylonitrile	5.073	53	36	1.247	ug/l	# 18
16) Acetone	3.860	43	1207	40.905	ug/l	# 36
18) Methyl Acetate	4.397	43	202	2.523	ug/l	# 46
25) 2-Butanone	6.909	43	55	1.311	ug/l	# 41
31) Cyclohexane	7.695	56	472	2.129	ug/l	# 65
36) 1,1-Dichloropropene	7.707	75	1147	6.603	ug/l	# 40
38) Carbon Tetrachloride	7.707	117	1448	7.392	ug/l	# 13
48) Methyl methacrylate	9.164	41	94	1.065	ug/l	# 7
74) N-amyl acetate	12.084	43	45	1.009	ug/l	# 37
76) 1,2,3-Trichloropropane	12.401	75	2762	130.331	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	2762	250.198	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.108	75	47	9.686	ug/l	# 1
95) Naphthalene	15.133	128	423	5.506	ug/l	# 69

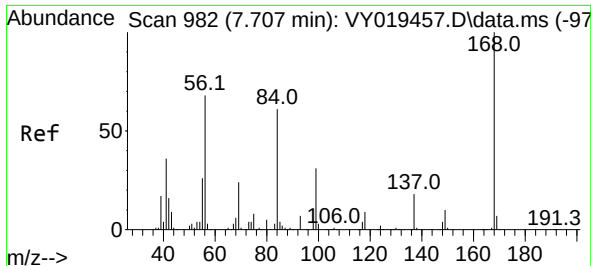
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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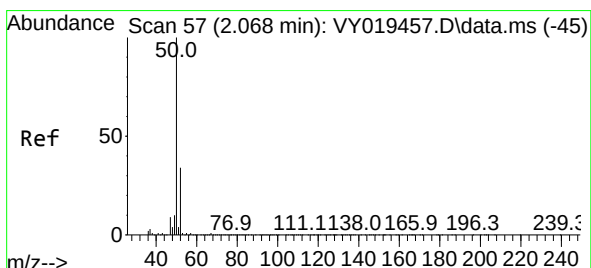
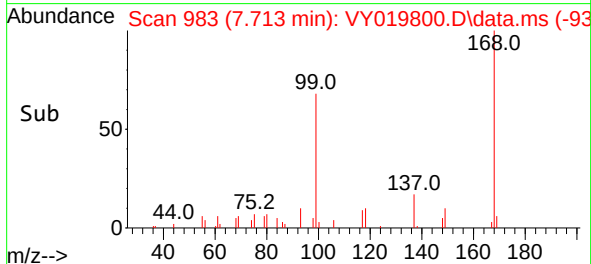
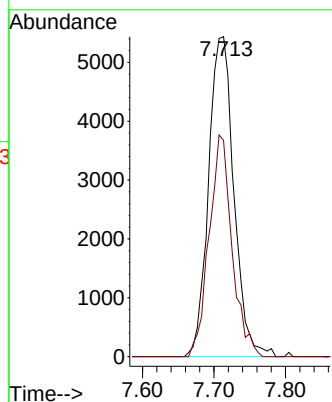
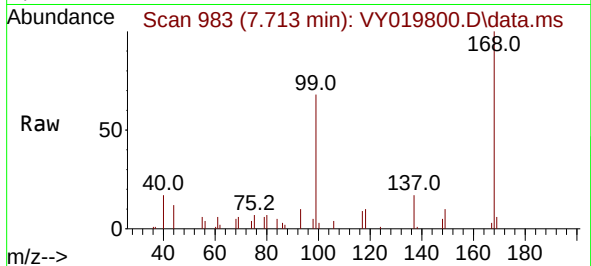




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

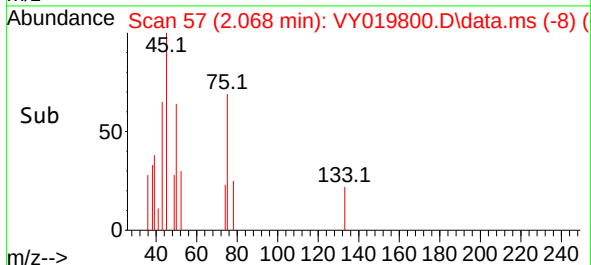
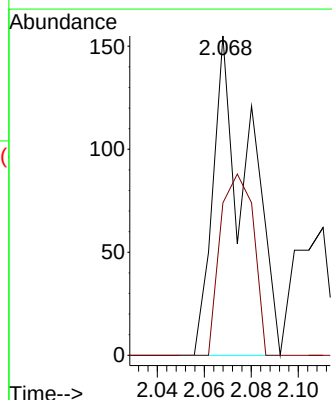
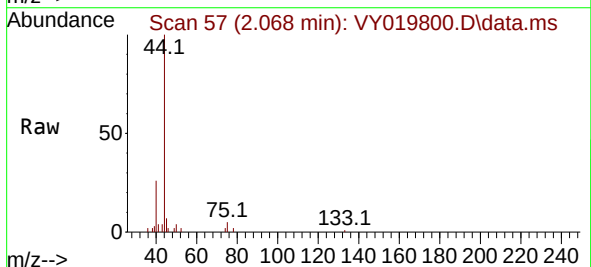
Instrument :
MSVOA_Y
ClientSampleId :

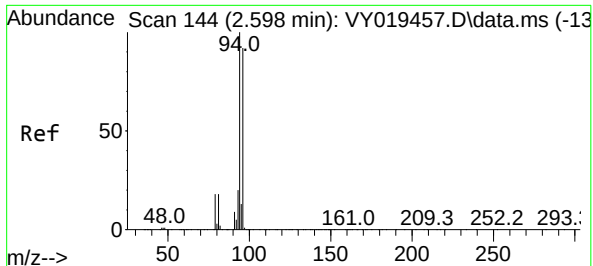
Tgt Ion:168 Resp: 13376
Ion Ratio Lower Upper
168 100
99 67.6 39.1 58.7#



#3
Chloromethane
Concen: 1.464 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Tgt Ion: 50 Resp: 162
Ion Ratio Lower Upper
50 100
52 47.7 25.6 38.4#

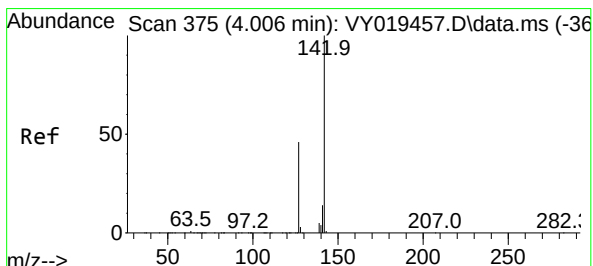
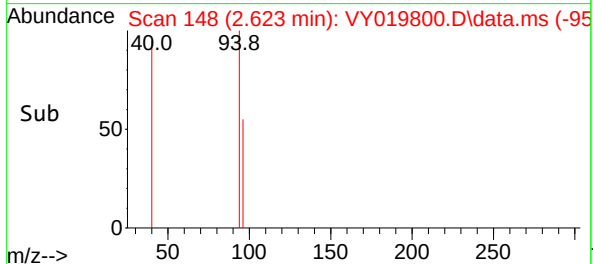
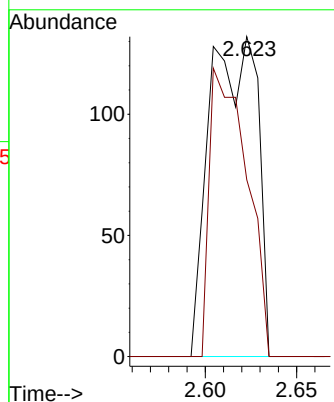
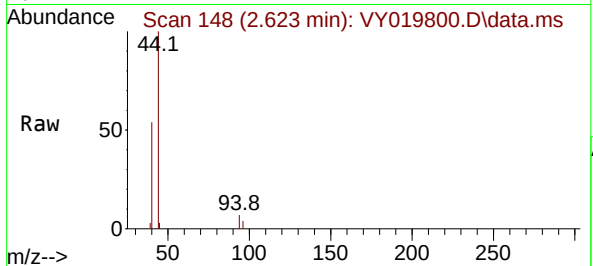




#5
Bromomethane
Concen: 3.279 ug/l
RT: 2.623 min Scan# 144
Delta R.T. 0.025 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

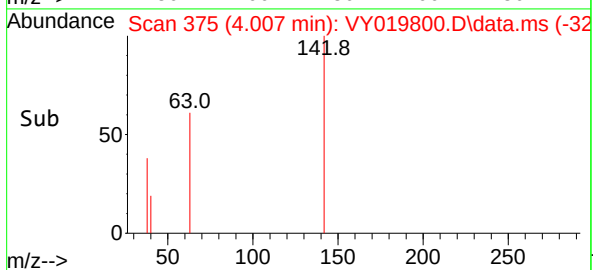
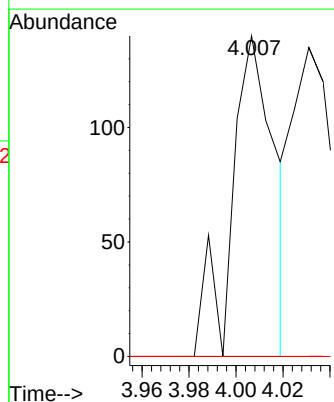
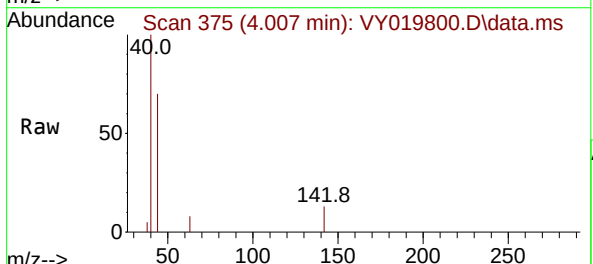
Instrument :
MSVOA_Y
ClientSampleId :

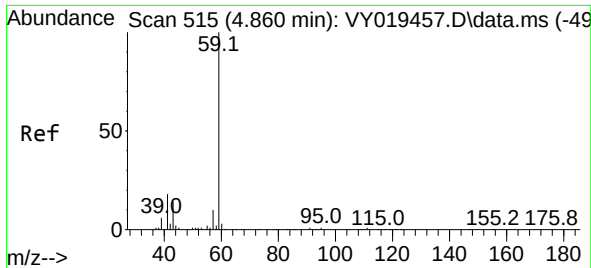
Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 55.3 74.1 111.1#



#10
Methyl Iodide
Concen: 1.119 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

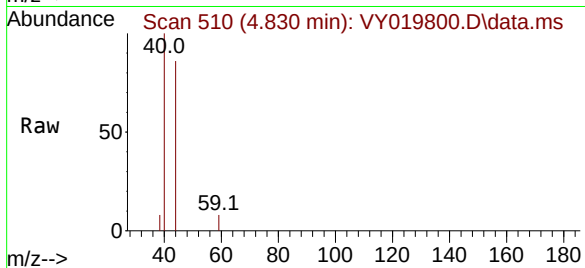
Tgt Ion: 142 Resp: 177
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



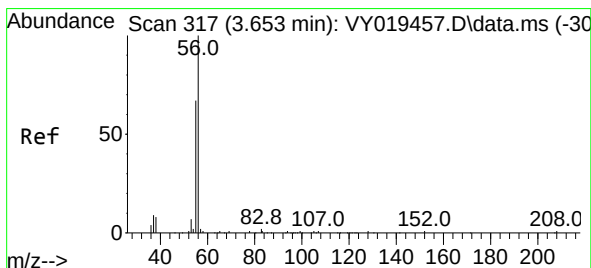
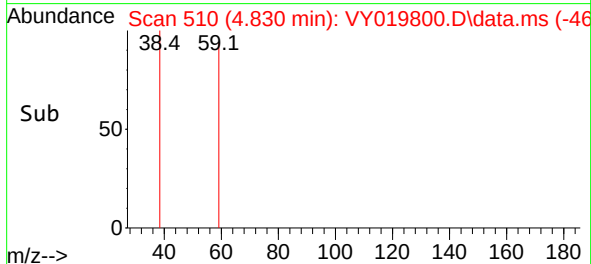
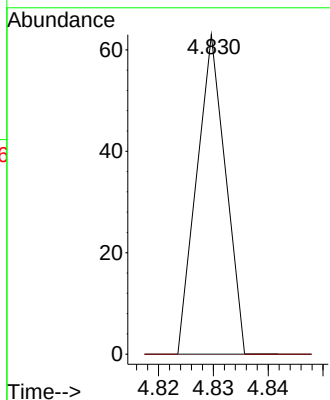


#11
Tert butyl alcohol
Concen: 2.299 ug/l
RT: 4.830 min Scan# 515
Delta R.T. -0.030 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

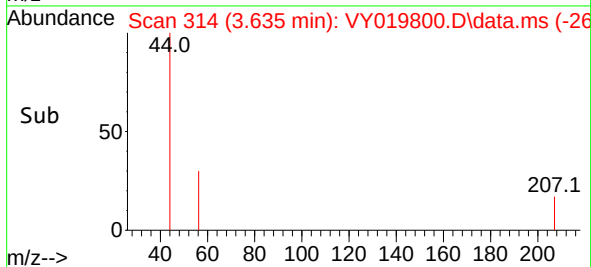
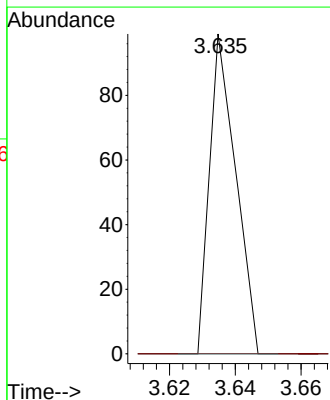
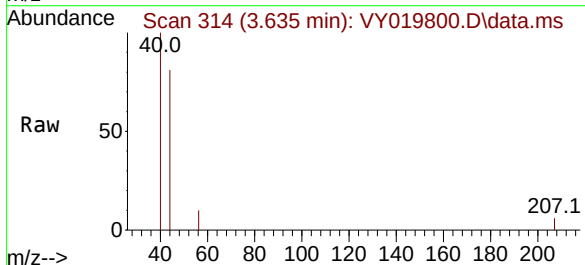


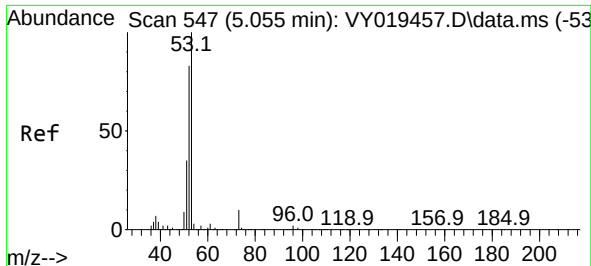
Tgt Ion: 59 Resp: 23
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 314
Delta R.T. -0.018 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

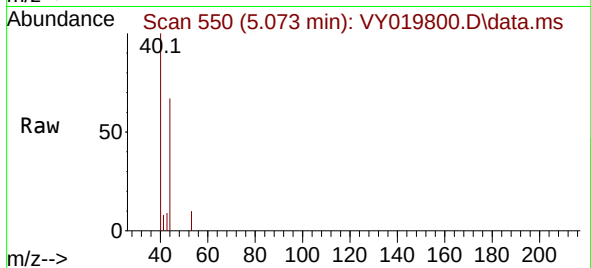
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



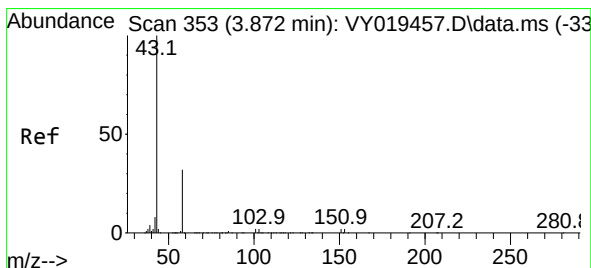
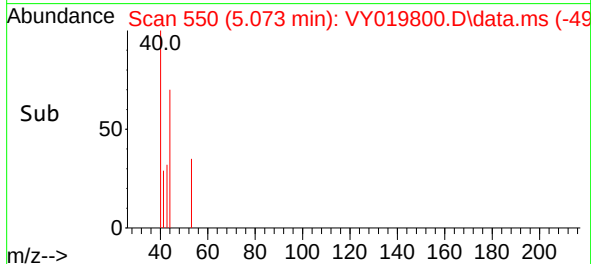
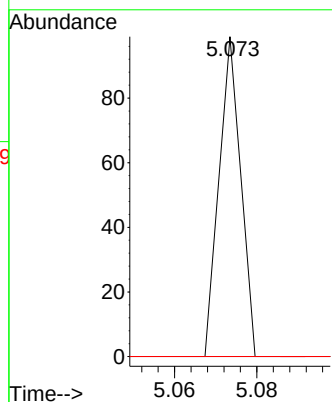


#15
Acrylonitrile
Concen: 1.247 ug/l
RT: 5.073 min Scan# 51
Delta R.T. 0.019 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

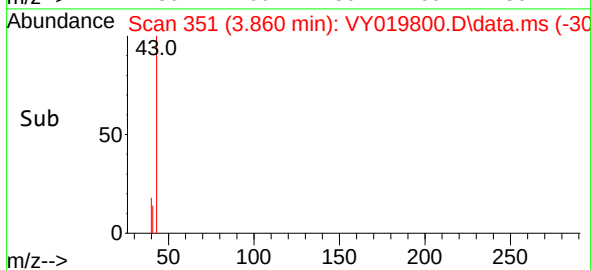
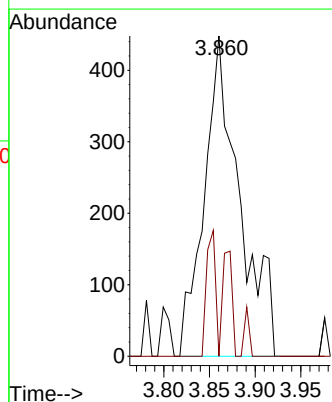
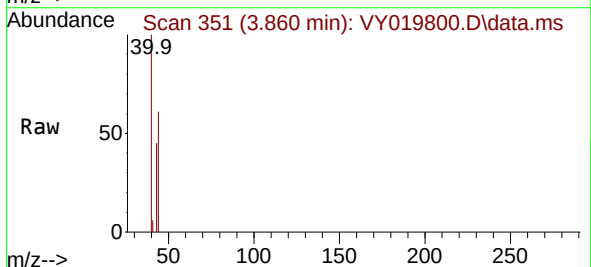


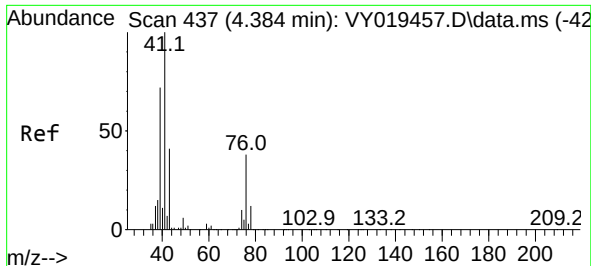
Tgt Ion: 53 Resp: 36
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 40.905 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

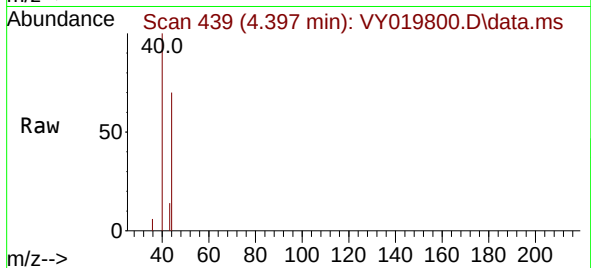
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



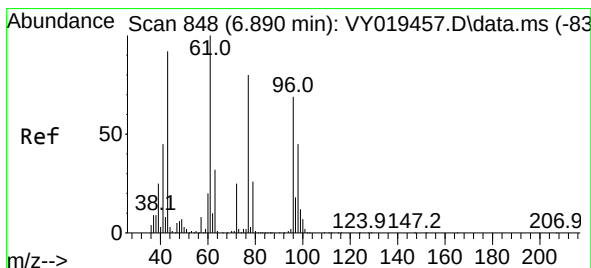
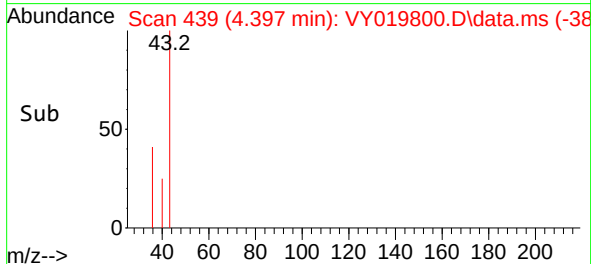
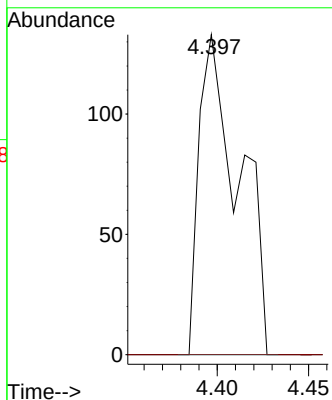


#18
Methyl Acetate
Concen: 2.523 ug/l
RT: 4.397 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

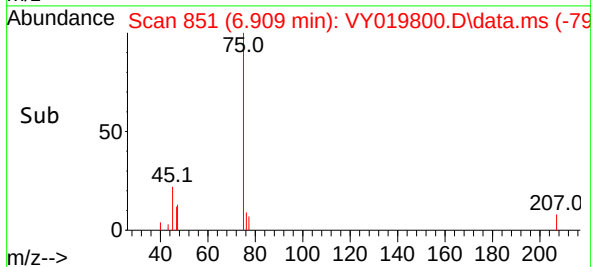
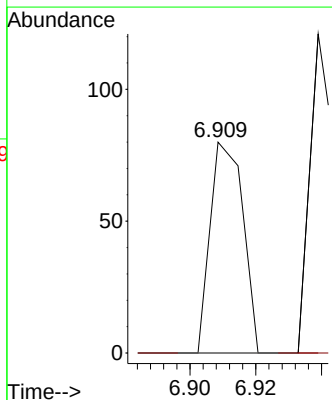
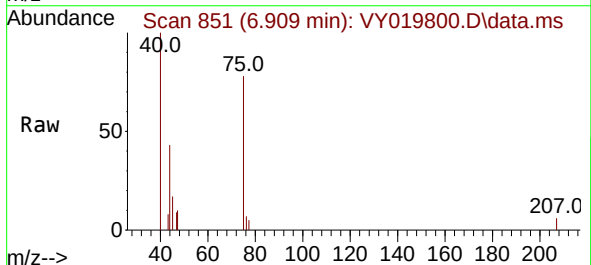


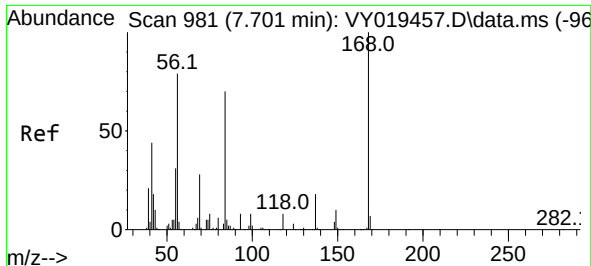
Tgt Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#25
2-Butanone
Concen: 1.311 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.019 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

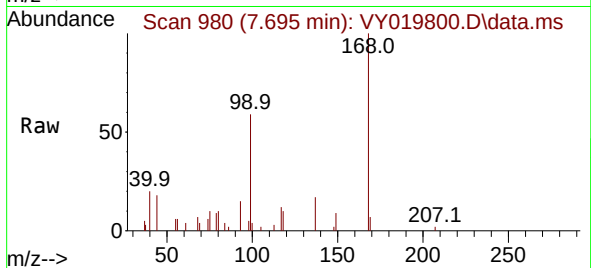
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



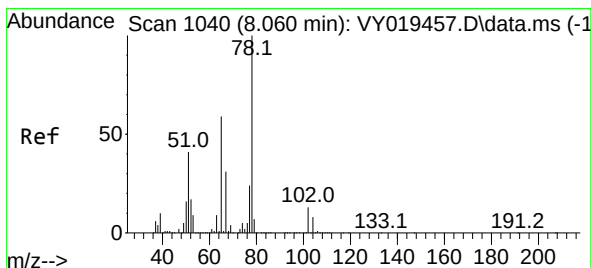
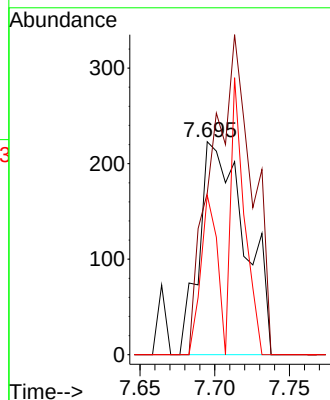
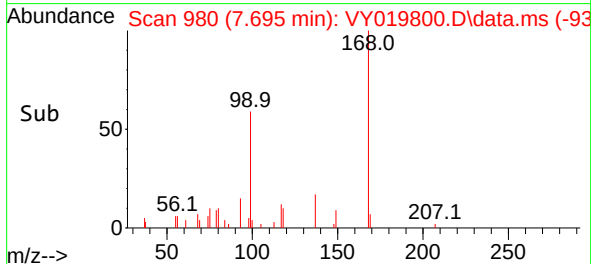


#31
Cyclohexane
Concen: 2.129 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

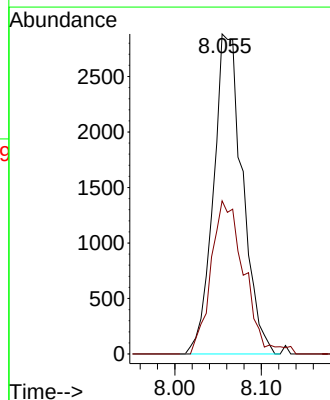
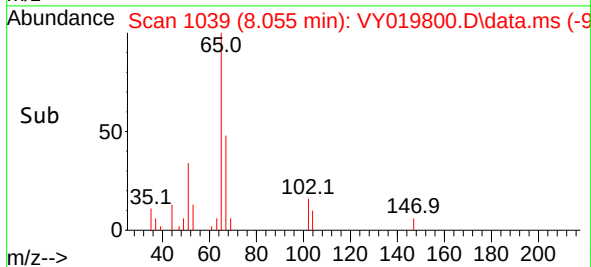
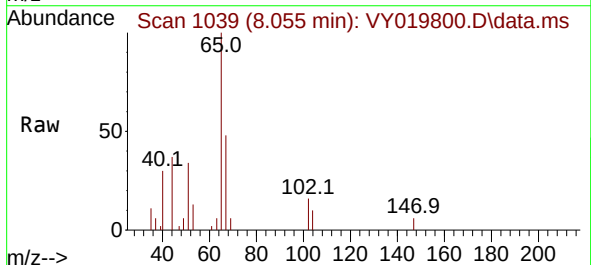


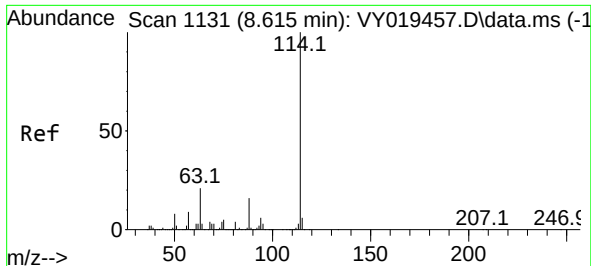
Tgt Ion: 56 Resp: 472
Ion Ratio Lower Upper
56 100
69 75.8 28.7 43.1#
84 74.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 54.312 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Tgt Ion: 65 Resp: 6727
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019800.D

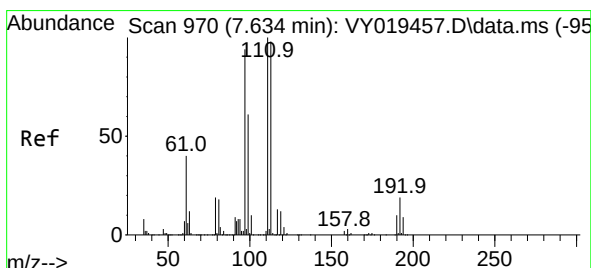
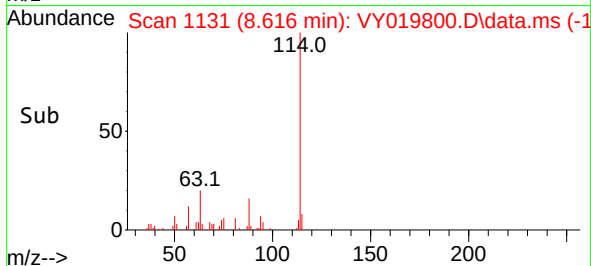
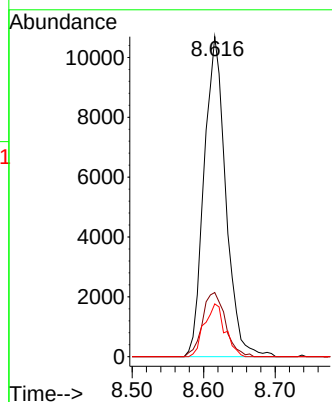
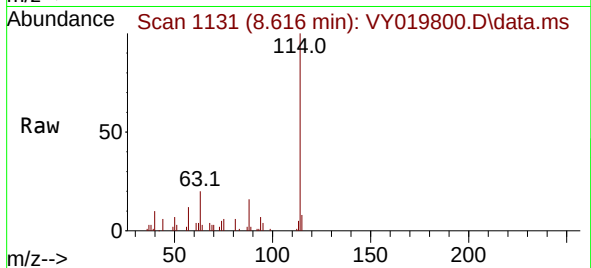
Acq: 04 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	22516
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	35.0
88	16.5	0.0	27.2



#35

Dibromofluoromethane

Concen: 52.138 ug/l

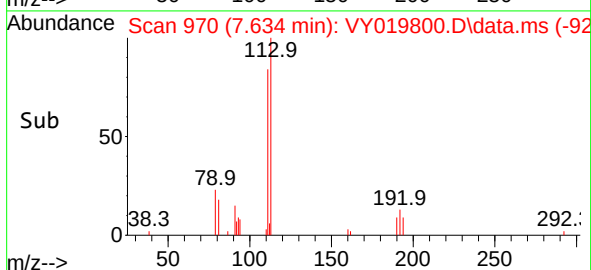
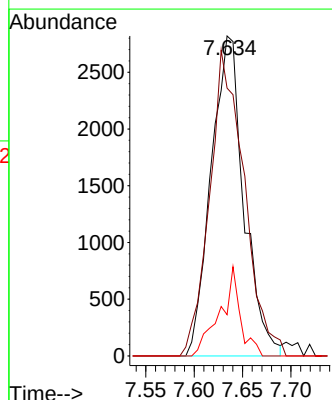
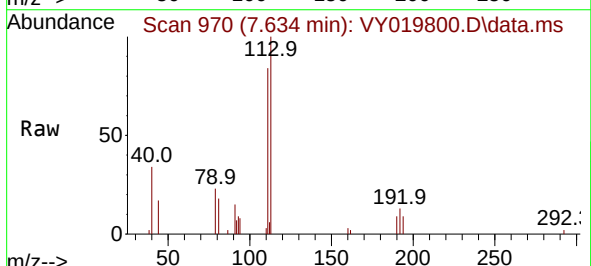
RT: 7.634 min Scan# 970

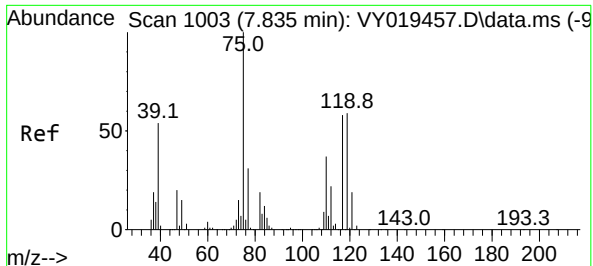
Delta R.T. 0.000 min

Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

Tgt Ion:	113	Resp:	6656
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.2	123.4
192	17.3	15.9	23.9





#36

1,1-Dichloropropene

Concen: 6.603 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

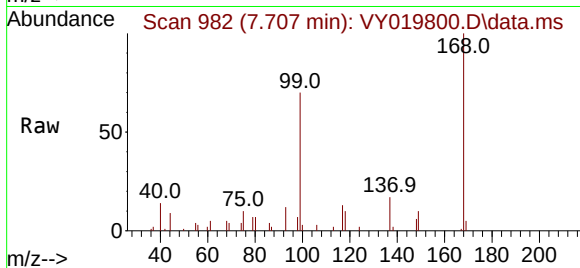
Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

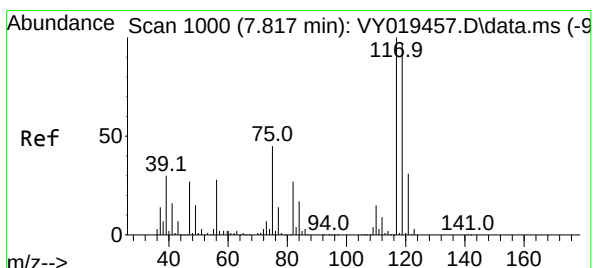
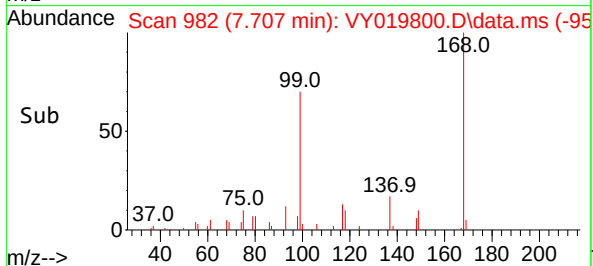
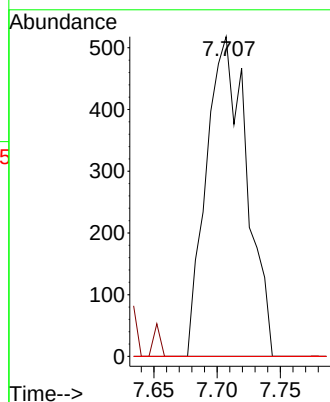
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 1147
Ion Ratio	Lower Upper
75	100
110	0.0 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.392 ug/l

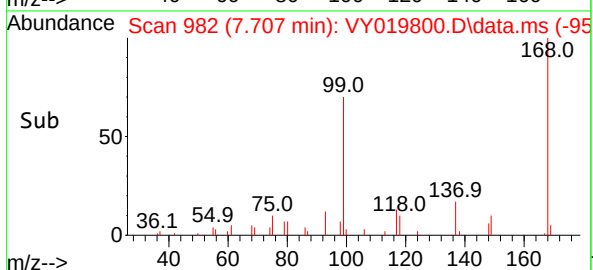
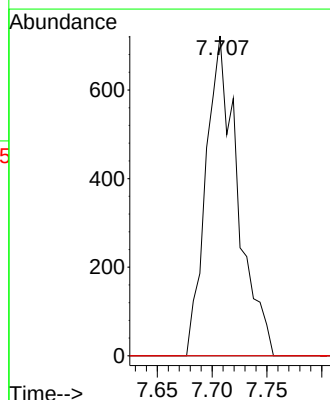
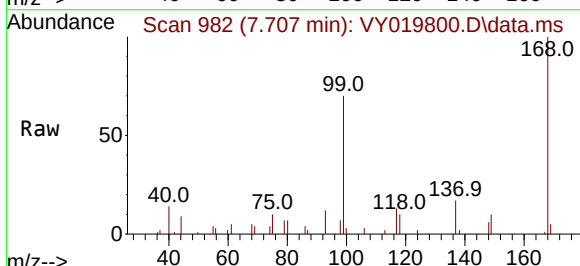
RT: 7.707 min Scan# 982

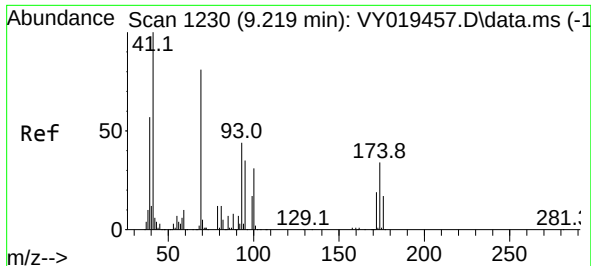
Delta R.T. -0.109 min

Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

Tgt Ion: 117	Resp: 1448
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 24.0 36.0#





#48

Methyl methacrylate

Concen: 1.065 ug/l

RT: 9.164 min Scan# 11

Delta R.T. -0.055 min

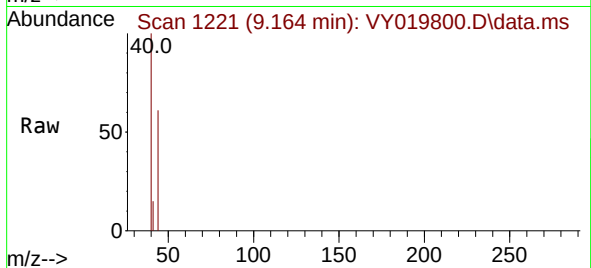
Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :



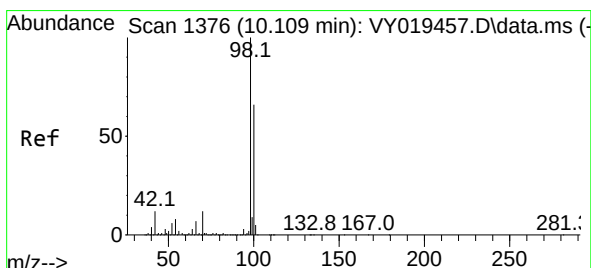
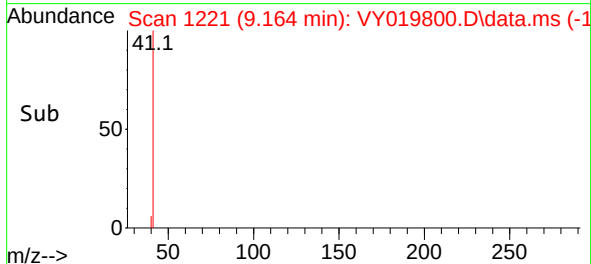
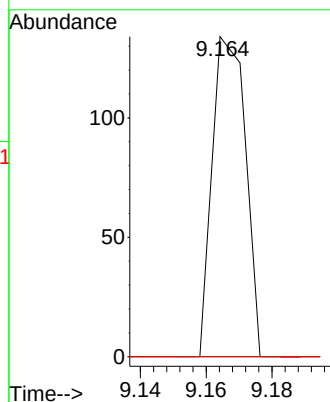
Tgt Ion: 41 Resp: 94

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 0.0 43.6 65.4#



#50

Toluene-d8

Concen: 47.921 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019800.D

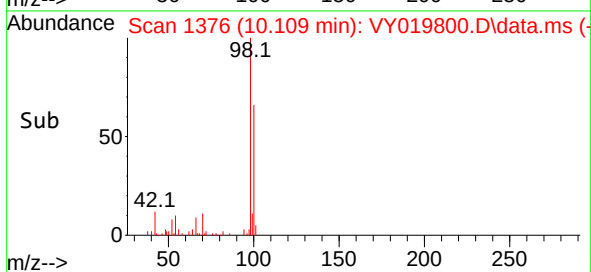
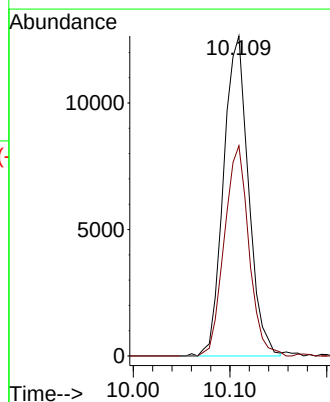
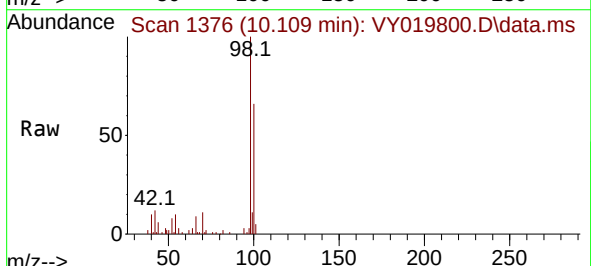
Acq: 04 Oct 2024 15:17

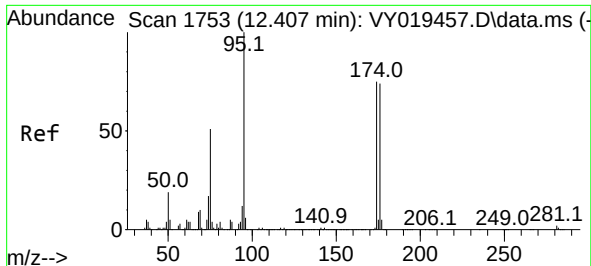
Tgt Ion: 98 Resp: 22628

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 24.030 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

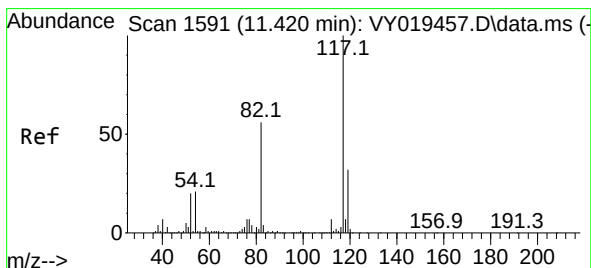
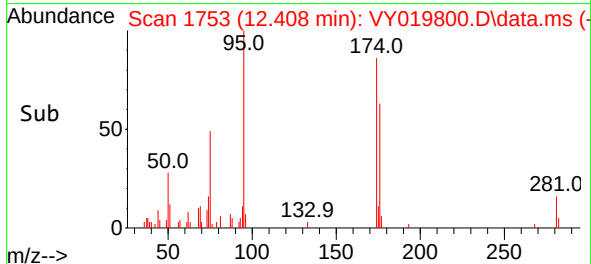
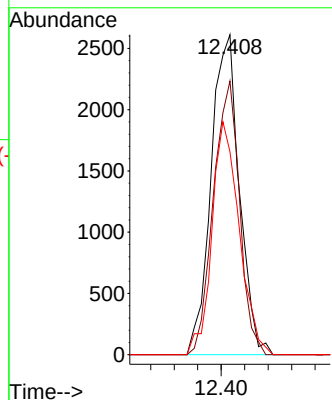
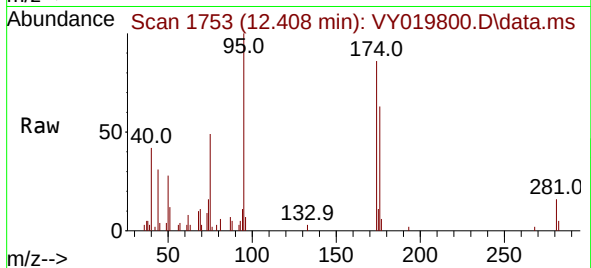
Tgt Ion: 95 Resp: 4363

Ion Ratio Lower Upper

95 100

174 79.1 0.0 175.6

176 70.4 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

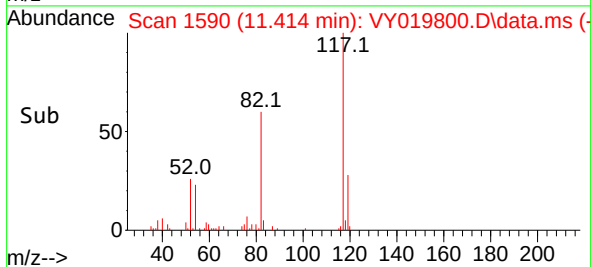
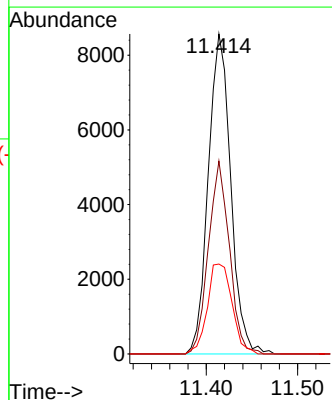
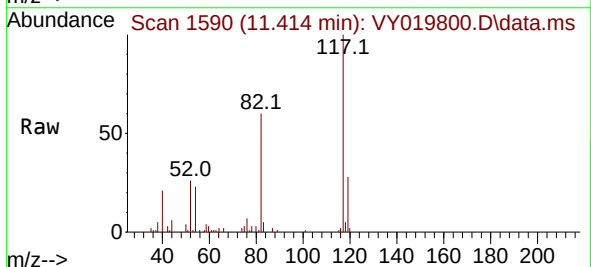
Tgt Ion: 117 Resp: 14607

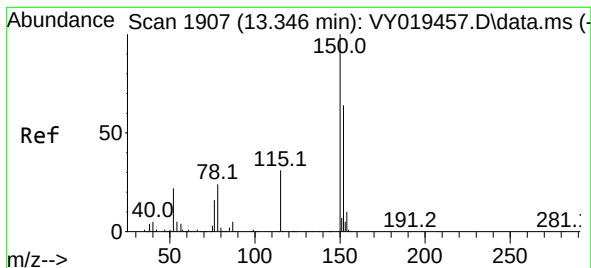
Ion Ratio Lower Upper

117 100

82 60.2 42.4 63.6

119 28.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

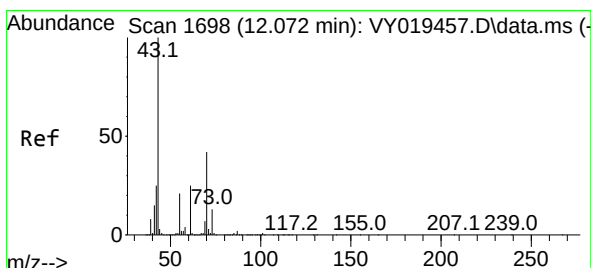
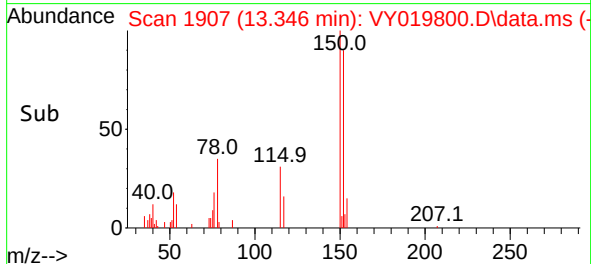
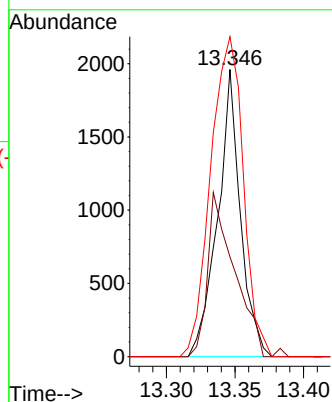
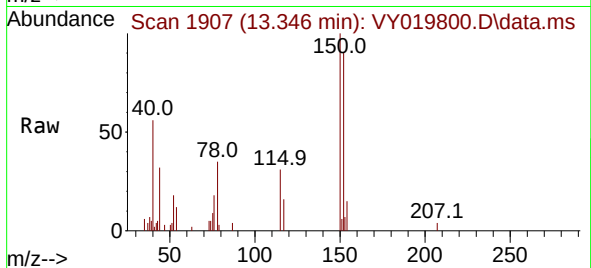
Tgt Ion:152 Resp: 2261

Ion Ratio Lower Upper

152 100

115 67.6 28.2 84.7

150 159.7 0.0 345.6



#74

N-ethyl acetate

Concen: 1.009 ug/l

RT: 12.084 min Scan# 1700

Delta R.T. 0.012 min

Lab File: VY019800.D

Acq: 04 Oct 2024 15:17

Tgt Ion: 43 Resp: 45

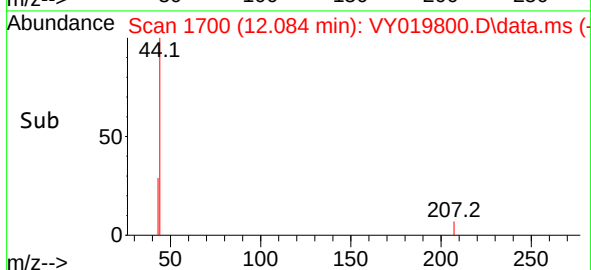
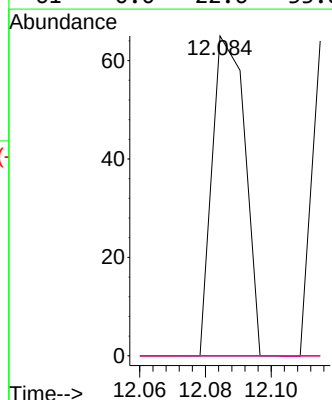
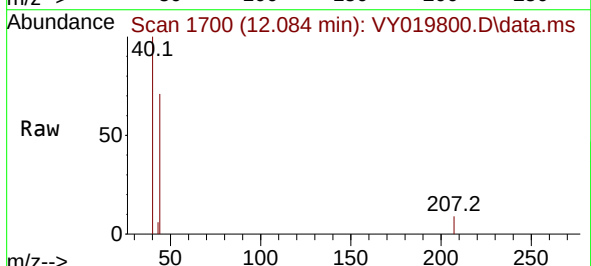
Ion Ratio Lower Upper

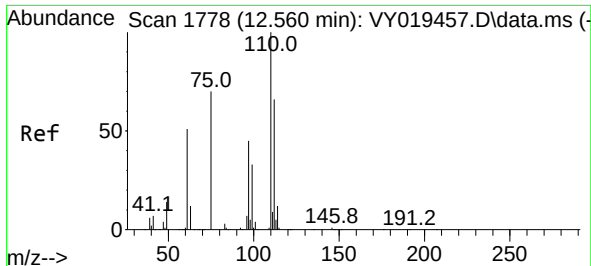
43 100

70 0.0 41.4 62.2#

55 0.0 23.3 34.9#

61 0.0 22.6 33.8#

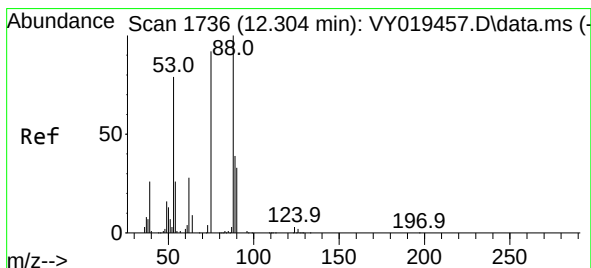
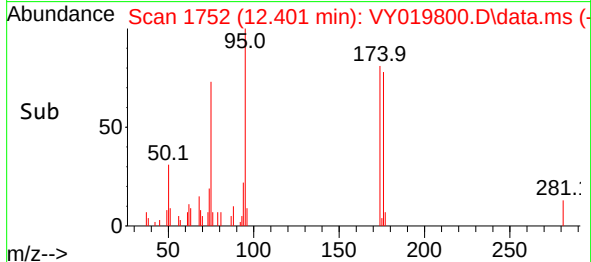
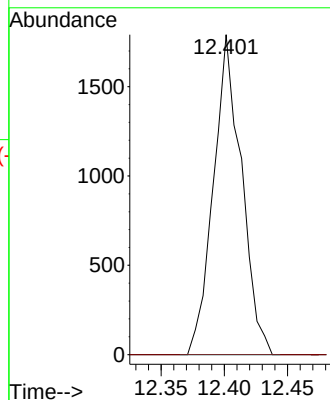
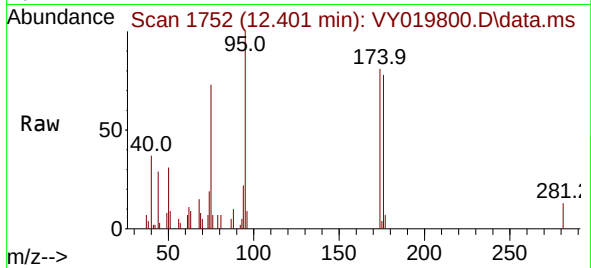




#76
1,2,3-Trichloropropane
Concen: 130.331 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

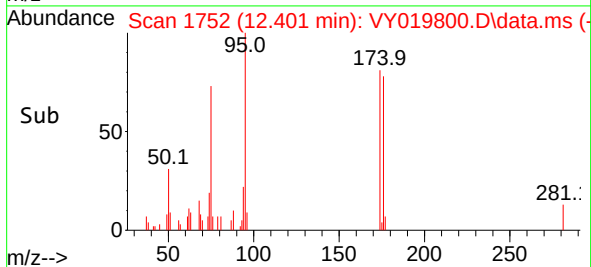
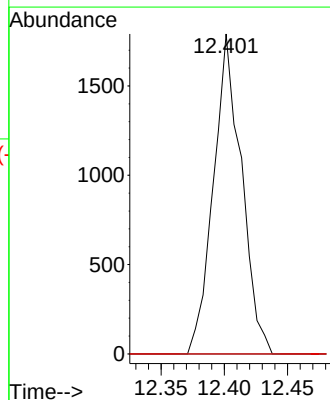
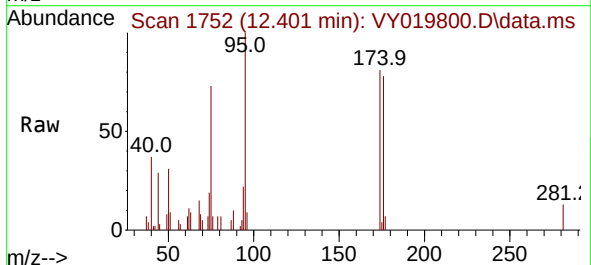
Instrument :
MSVOA_Y
ClientSampleId :

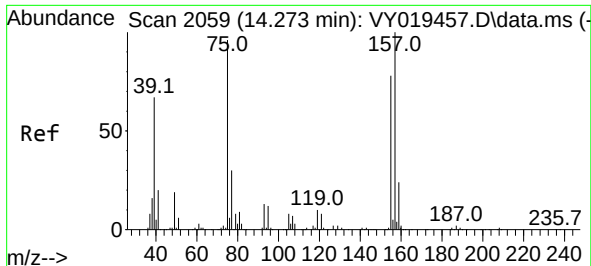
Tgt Ion: 75 Resp: 2762
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 250.198 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Tgt Ion: 75 Resp: 2762
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

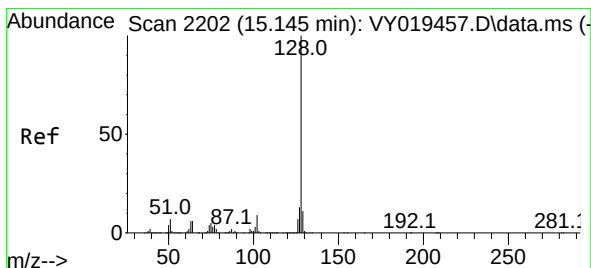
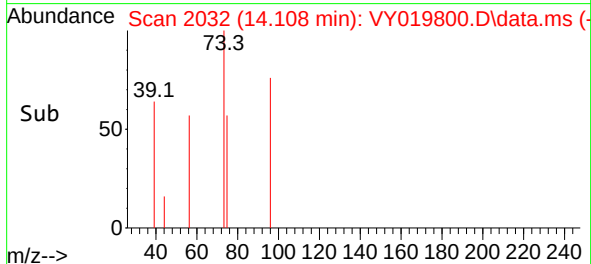
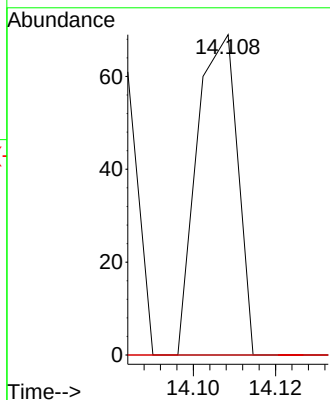
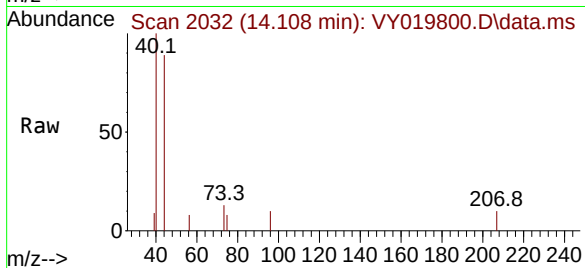




#92
1,2-Dibromo-3-Chloropropane
Concen: 9.686 ug/l
RT: 14.108 min Scan# 2059
Delta R.T. -0.164 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 47
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 5.506 ug/l
RT: 15.133 min Scan# 2200
Delta R.T. -0.012 min
Lab File: VY019800.D
Acq: 04 Oct 2024 15:17

Tgt Ion: 128 Resp: 423
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

