

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
 Data File : VY019782.D
 Acq On : 03 Oct 2024 12:57
 Operator : SY/MD
 Sample : P4277-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:25:57 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)

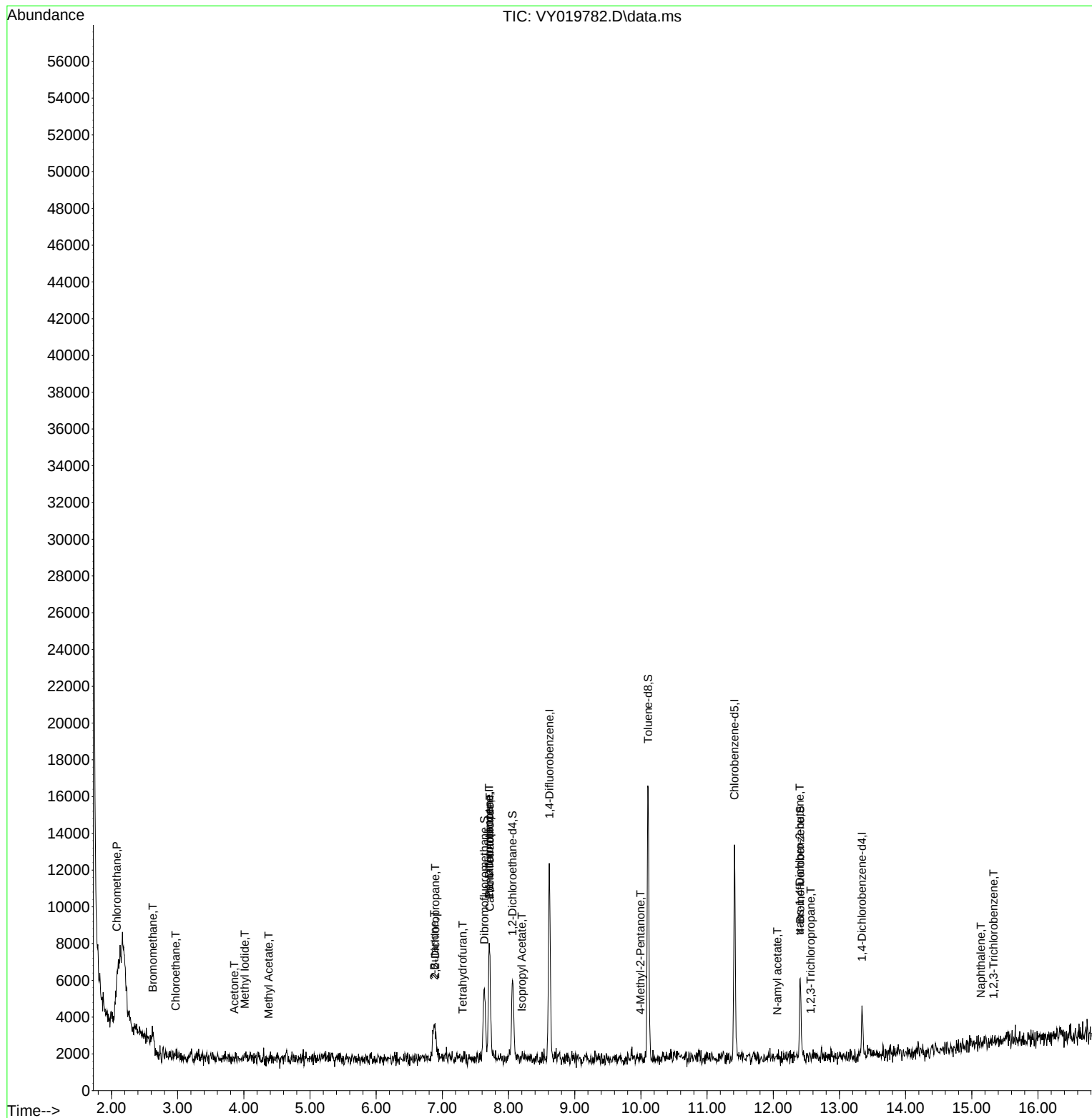
Internal Standards						
1) Pentafluorobenzene	7.707	168	5012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	9143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3459	74.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.060%	
35) Dibromofluoromethane	7.634	113	2976	57.408	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.820%	
50) Toluene-d8	10.109	98	9997	52.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.408	95	1302	17.660	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 35.320%	
Target Compounds						Qvalue
3) Chloromethane	2.080	50	117	2.822	ug/l #	43
5) Bromomethane	2.623	94	161	5.845	ug/l #	56
6) Chloroethane	2.970	64	56	1.910	ug/l #	42
10) Methyl Iodide	4.013	142	222	3.745	ug/l #	90
16) Acetone	3.854	43	104	9.406	ug/l #	36
18) Methyl Acetate	4.372	43	59	1.966	ug/l #	46
25) 2-Butanone	6.878	43	123	7.822	ug/l #	41
26) 2,2-Dichloropropane	6.890	77	104	1.255	ug/l #	51
29) Tetrahydrofuran	7.305	42	20	2.092	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	591	8.378	ug/l #	40
38) Carbon Tetrachloride	7.719	117	578	7.266	ug/l #	13
43) Isopropyl Acetate	8.201	43	90	1.185	ug/l #	47
51) 4-Methyl-2-Pentanone	9.993	43	55	1.440	ug/l #	31
74) N-amyl acetate	12.060	43	149	9.346	ug/l #	37
76) 1,2,3-Trichloropropane	12.566	75	38	5.018	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	821	208.110	ug/l #	16
95) Naphthalene	15.139	128	259	9.433	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.328	180	68	5.798	ug/l #	12

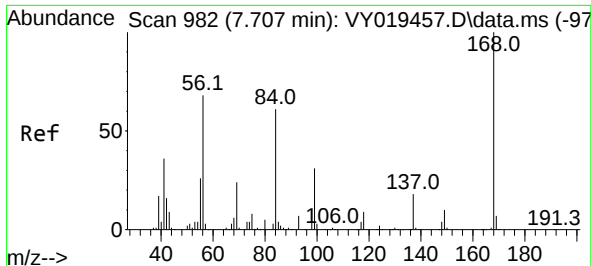
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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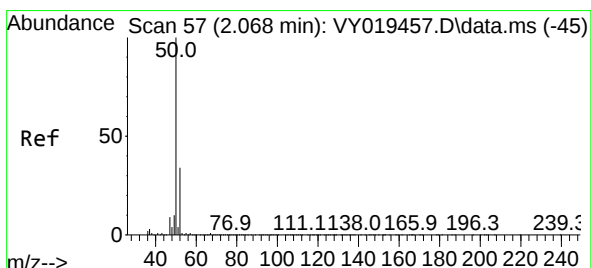
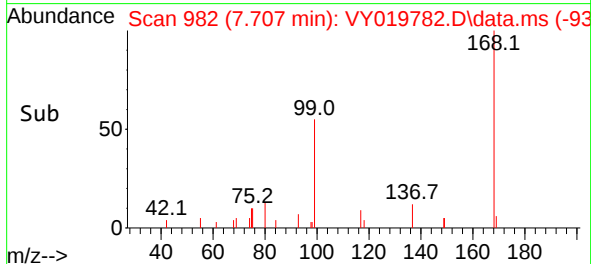
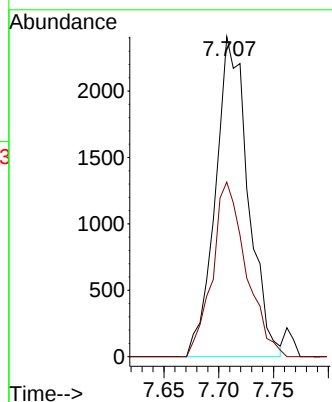
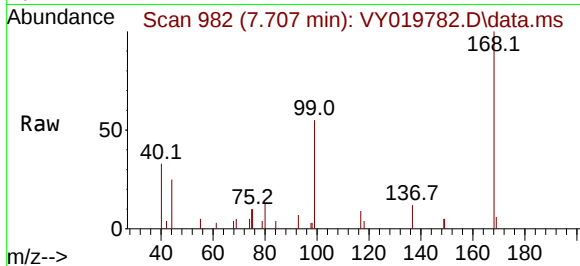




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

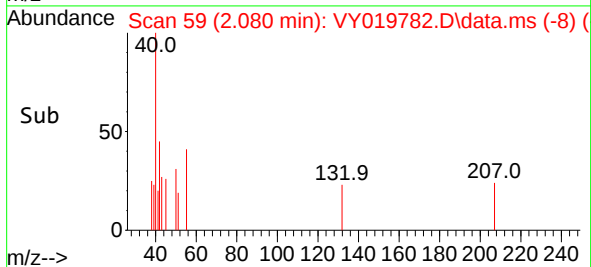
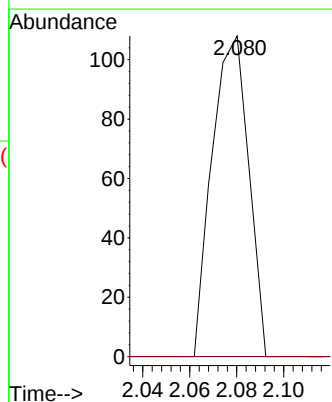
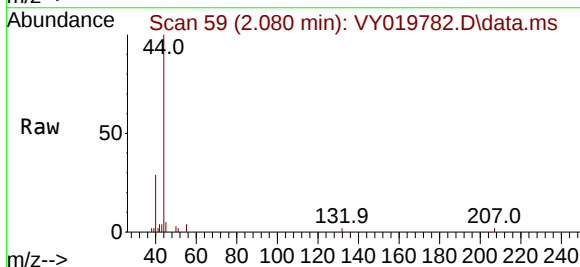
Instrument :
MSVOA_Y
ClientSampleId :

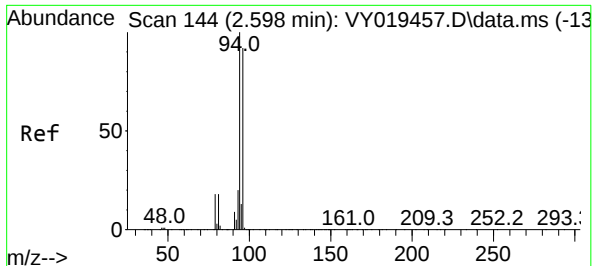
Tgt Ion:168 Resp: 5012
Ion Ratio Lower Upper
168 100
99 54.6 39.1 58.7



#3
Chloromethane
Concen: 2.822 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.013 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion: 50 Resp: 117
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

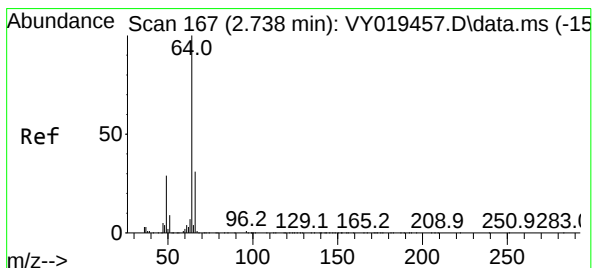
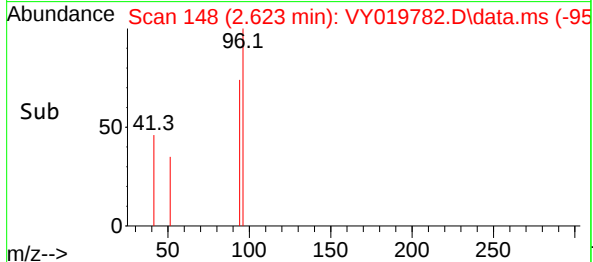
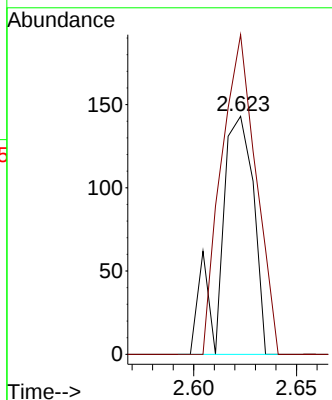
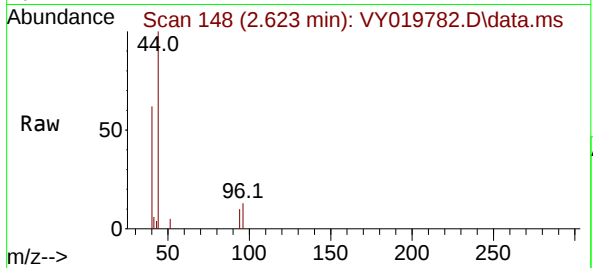




#5
Bromomethane
Concen: 5.845 ug/l
RT: 2.623 min Scan# 14
Delta R.T. 0.025 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

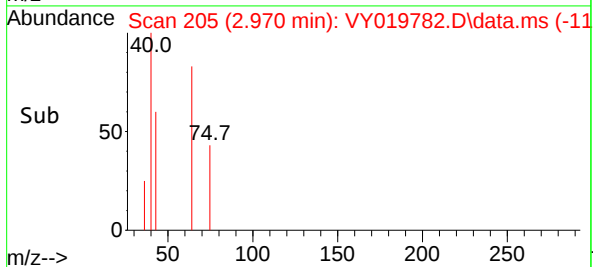
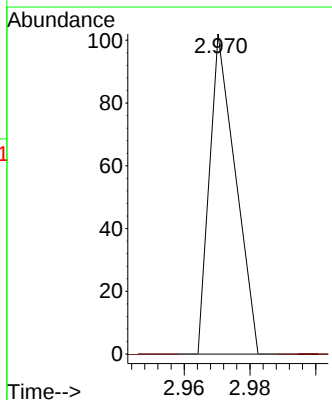
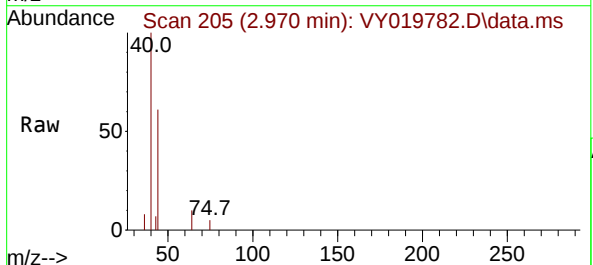
Instrument :
MSVOA_Y
ClientSampleId :

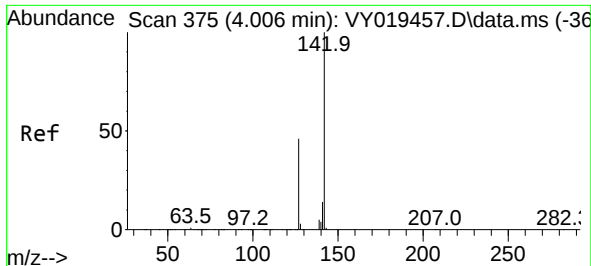
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 134.3 74.1 111.1#



#6
Chloroethane
Concen: 1.910 ug/l
RT: 2.970 min Scan# 205
Delta R.T. 0.232 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#10

Methyl Iodide

Concen: 3.745 ug/l

RT: 4.013 min Scan# 31

Delta R.T. 0.006 min

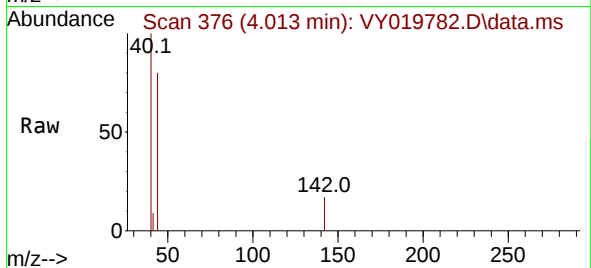
Lab File: VY019782.D

Acq: 03 Oct 2024 12:57

Instrument :

MSVOA_Y

ClientSampleId :



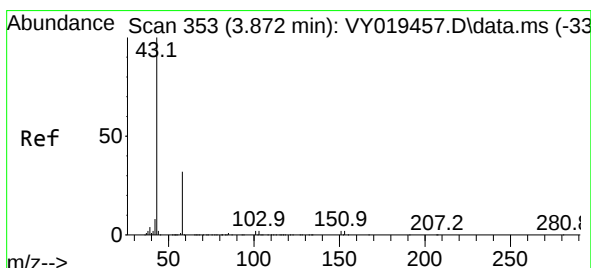
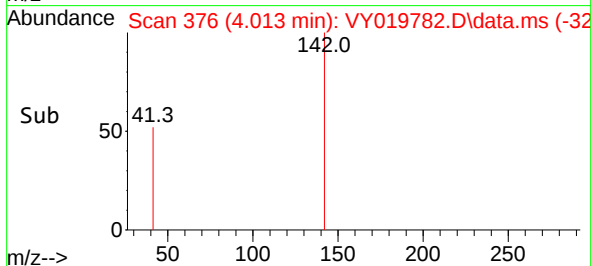
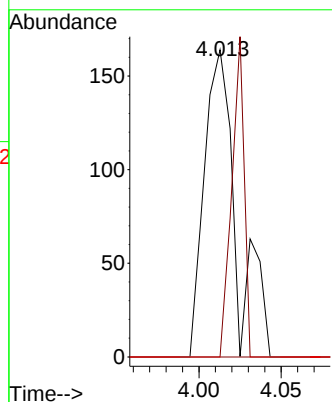
Tgt Ion:142 Resp: 222

Ion Ratio Lower Upper

142 100

127 40.5 32.8 49.2

141 0.0 11.4 17.2#



#16

Acetone

Concen: 9.406 ug/l

RT: 3.854 min Scan# 350

Delta R.T. -0.018 min

Lab File: VY019782.D

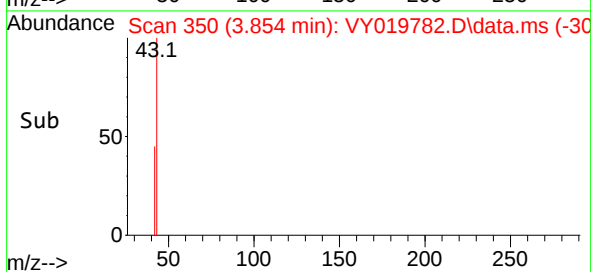
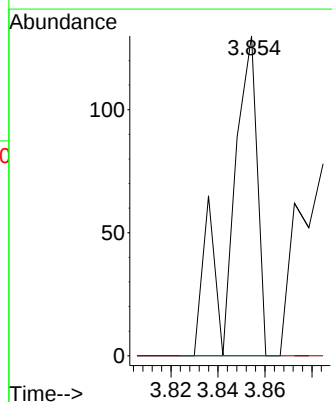
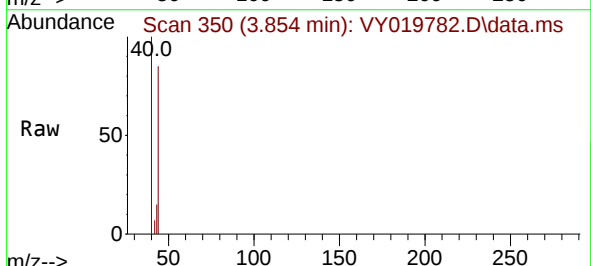
Acq: 03 Oct 2024 12:57

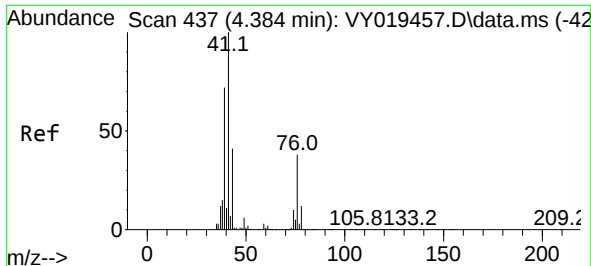
Tgt Ion: 43 Resp: 104

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#

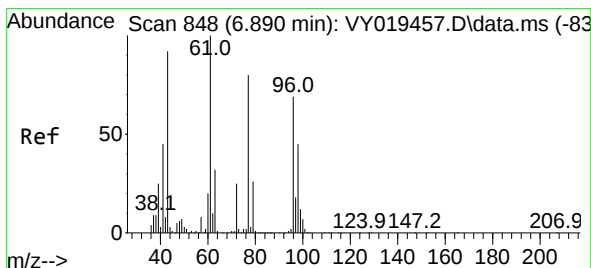
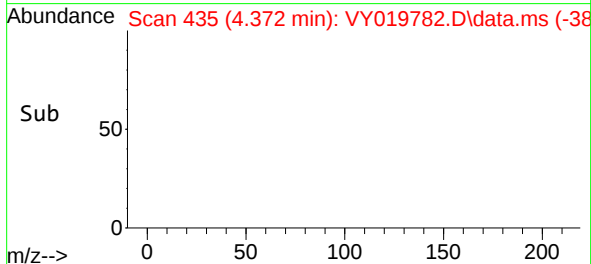
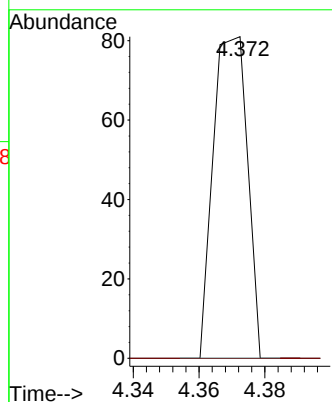
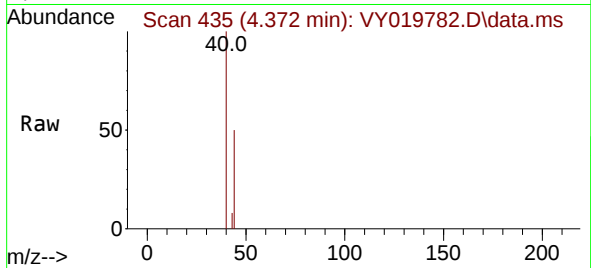




#18
Methyl Acetate
Concen: 1.966 ug/l
RT: 4.372 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

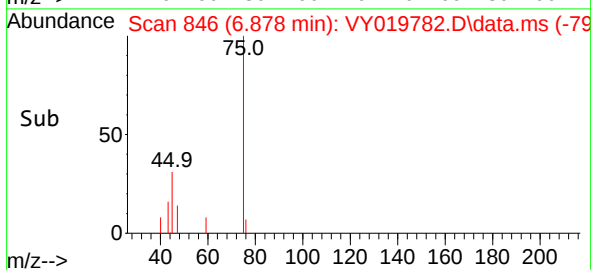
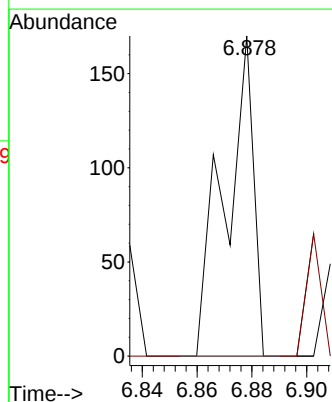
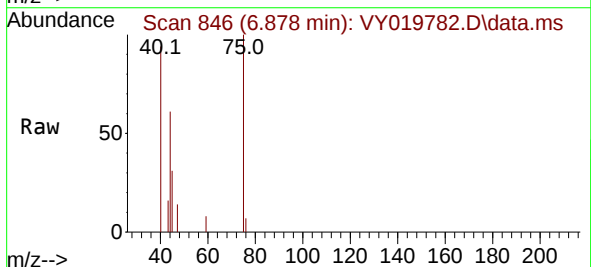
Instrument :
MSVOA_Y
ClientSampleId :

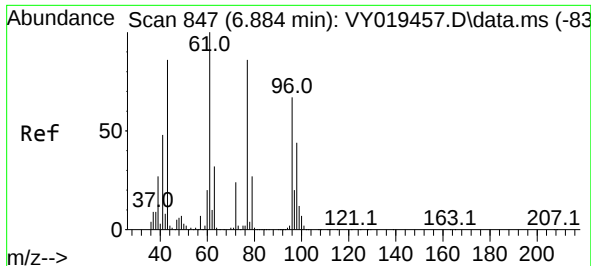
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#25
2-Butanone
Concen: 7.822 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#





#26

2,2-Dichloropropane

Concen: 1.255 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY019782.D

Acq: 03 Oct 2024 12:57

Instrument :

MSVOA_Y

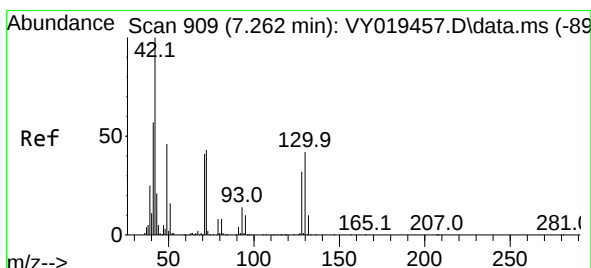
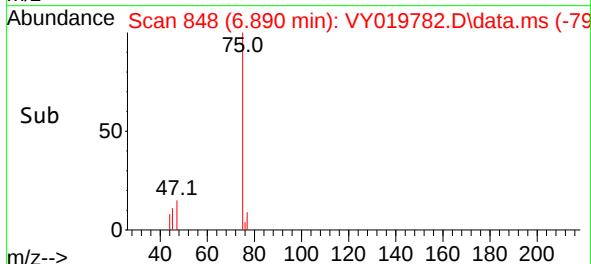
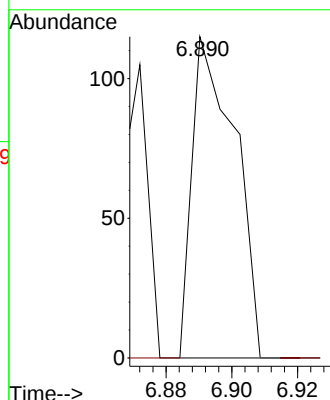
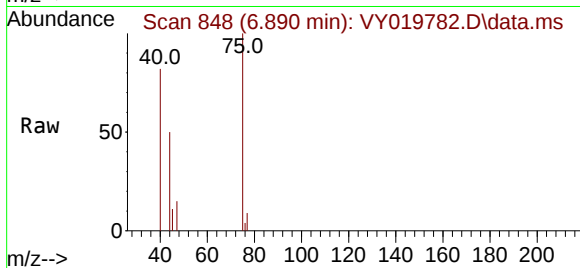
ClientSampleId :

Tgt Ion: 77 Resp: 104

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#29

Tetrahydrofuran

Concen: 2.092 ug/l

RT: 7.305 min Scan# 916

Delta R.T. 0.043 min

Lab File: VY019782.D

Acq: 03 Oct 2024 12:57

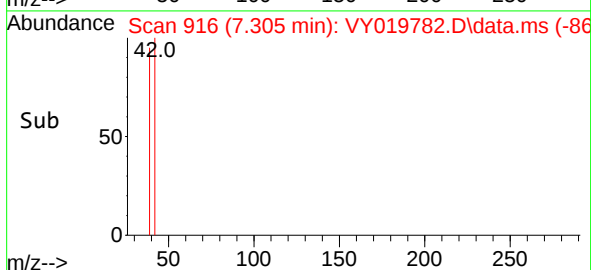
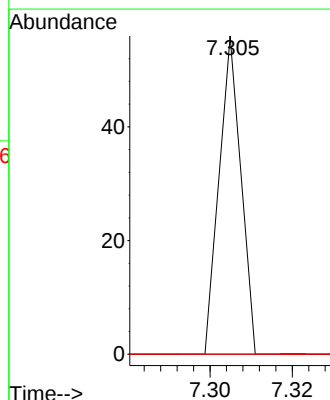
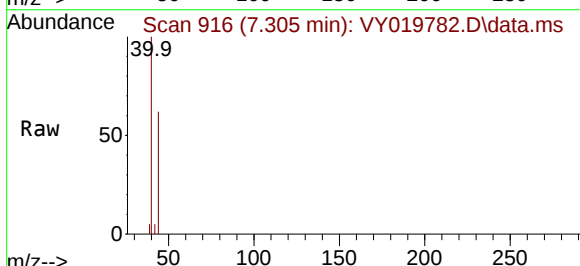
Tgt Ion: 42 Resp: 20

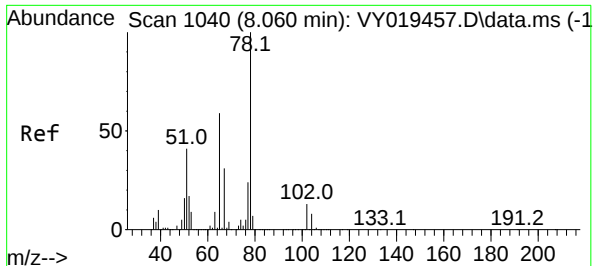
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 74.531 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019782.D

Acq: 03 Oct 2024 12:57

Instrument :

MSVOA_Y

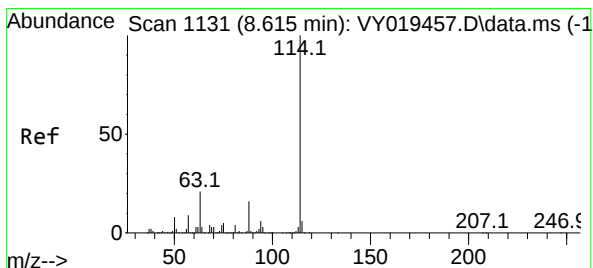
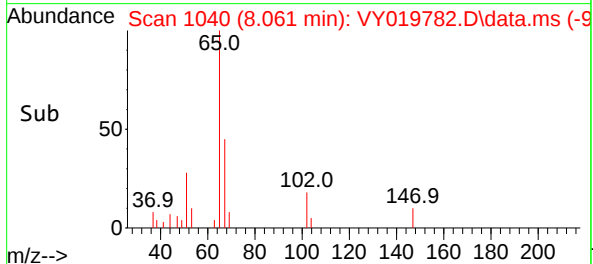
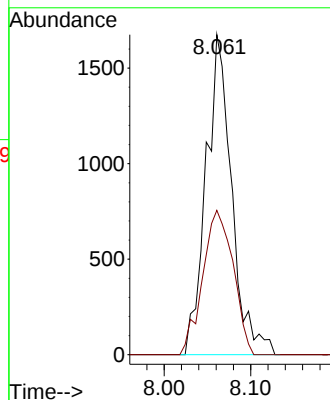
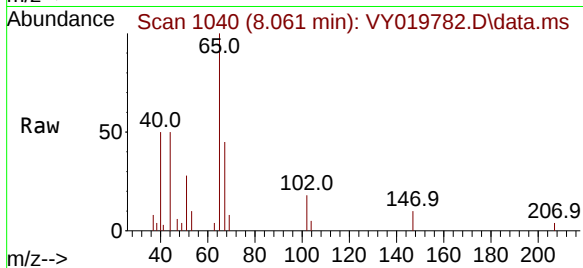
ClientSampleId :

Tgt Ion: 65 Resp: 3459

Ion Ratio Lower Upper

65 100

67 53.4 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: VY019782.D

Acq: 03 Oct 2024 12:57

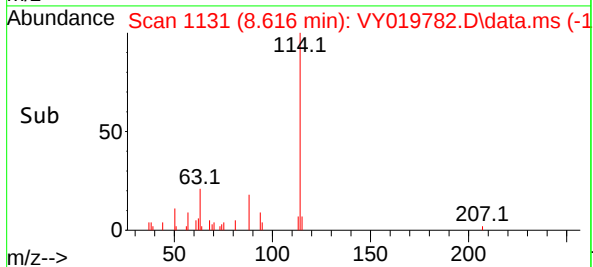
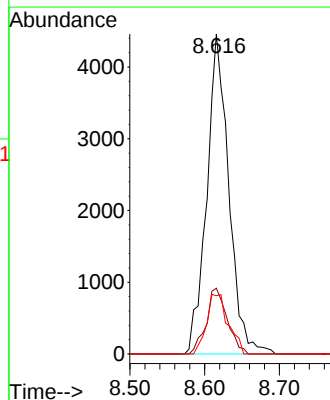
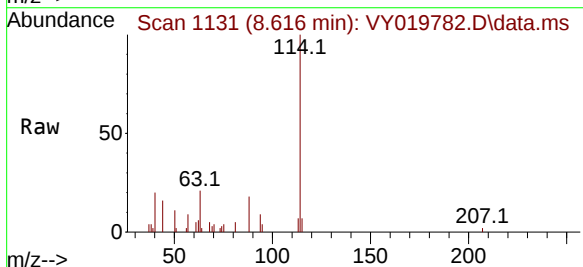
Tgt Ion: 114 Resp: 9143

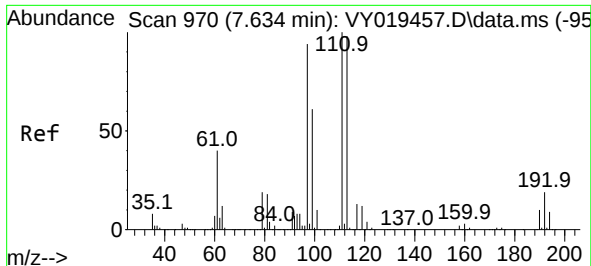
Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

88 18.2 0.0 27.2

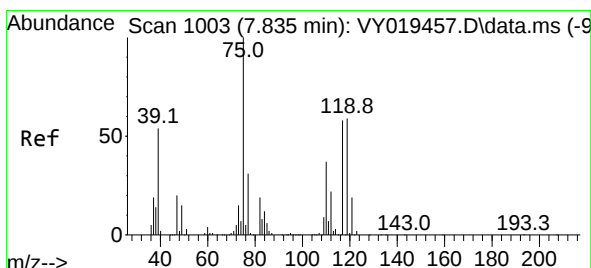
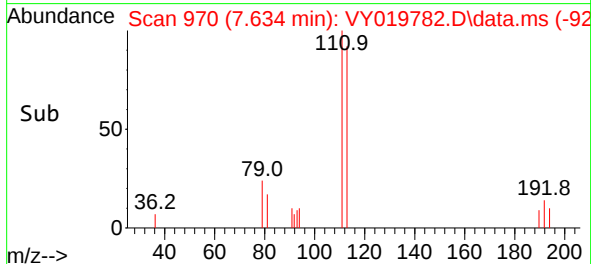
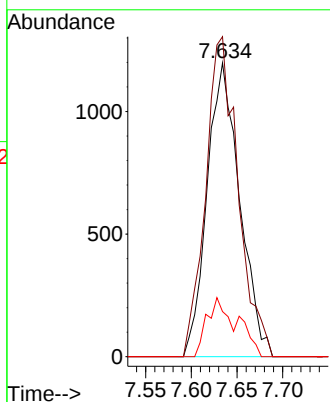
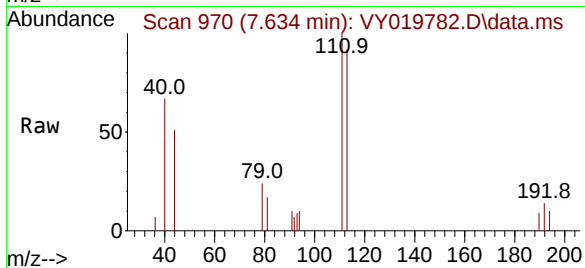




#35
Dibromofluoromethane
Concen: 57.408 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

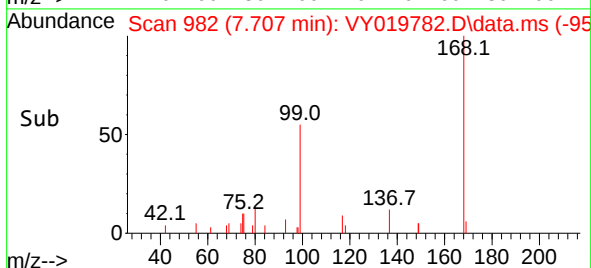
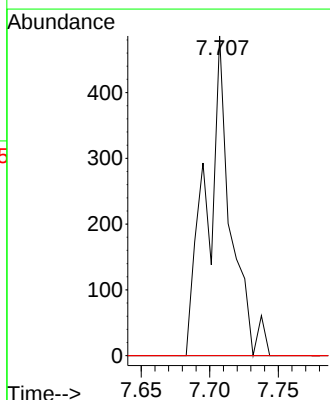
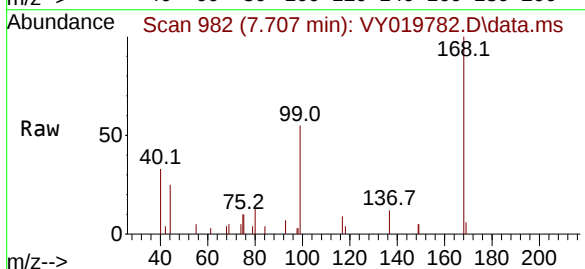
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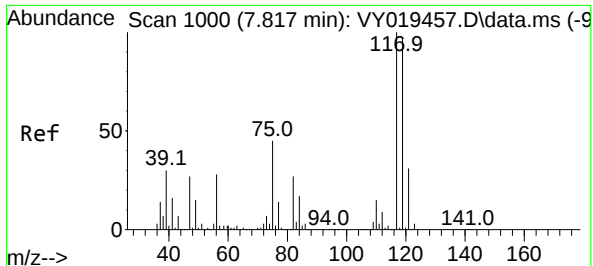
Tgt Ion:113 Resp: 2976
Ion Ratio Lower Upper
113 100
111 108.1 82.2 123.4
192 13.3 15.9 23.9#



#36
1,1-Dichloropropene
Concen: 8.378 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

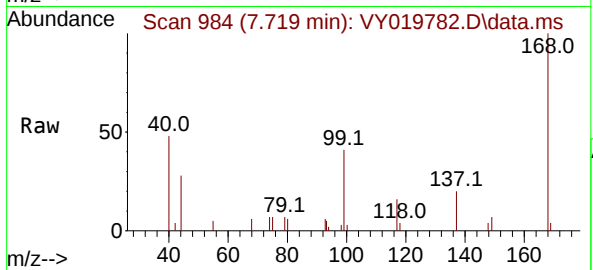
Tgt Ion: 75 Resp: 591
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



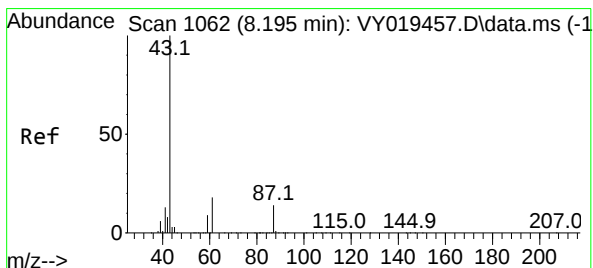
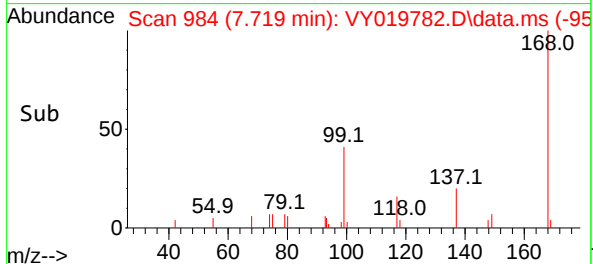
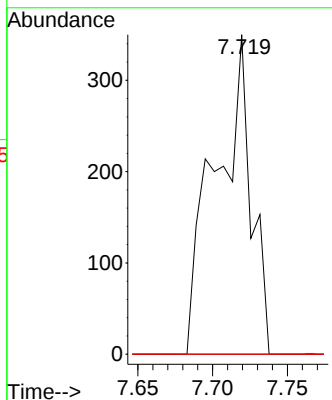


#38
Carbon Tetrachloride
Concen: 7.266 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :

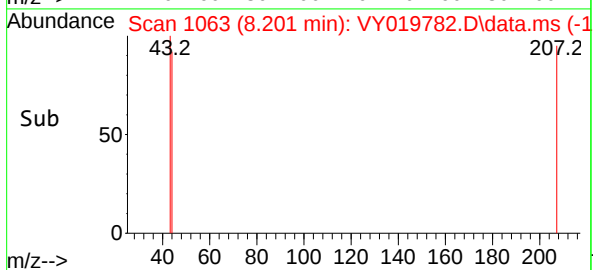
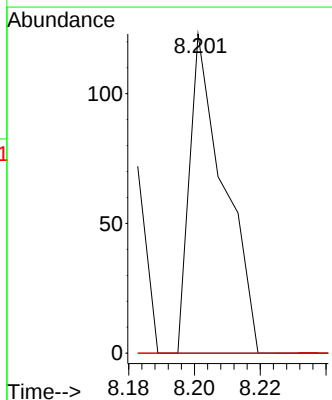
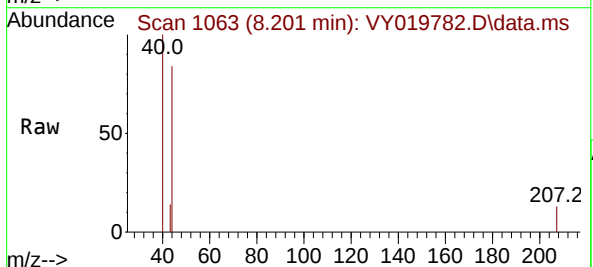


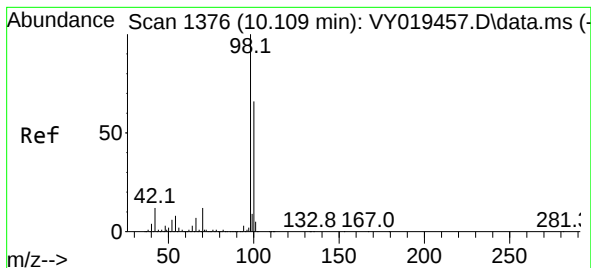
Tgt Ion:117 Resp: 578
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: 1.185 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
61 0.0 27.9 41.9#
87 0.0 13.1 19.7#





#50

Toluene-d8

Concen: 52.138 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019782.D

Acq: 03 Oct 2024 12:57

Instrument :

MSVOA_Y

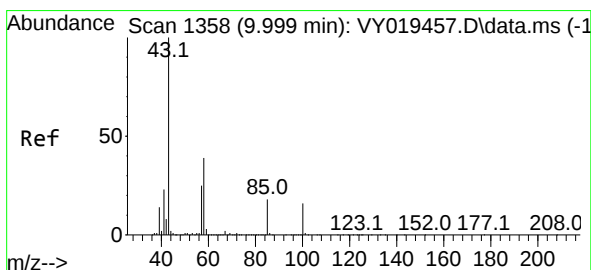
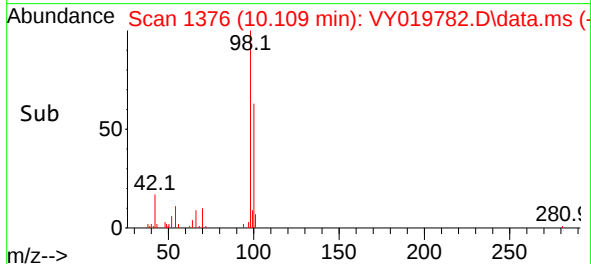
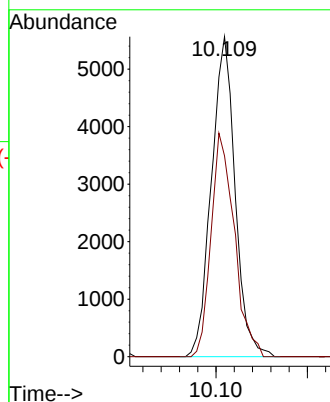
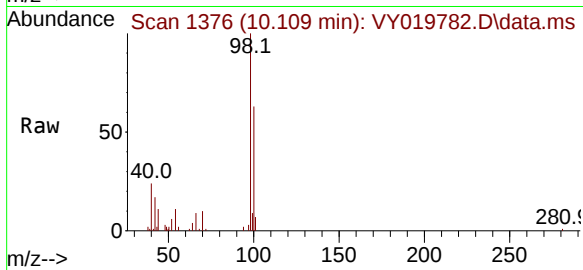
ClientSampleId :

Tgt Ion: 98 Resp: 9997

Ion Ratio Lower Upper

98 100

100 68.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.440 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.006 min

Lab File: VY019782.D

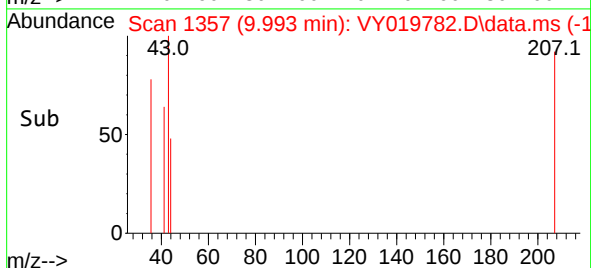
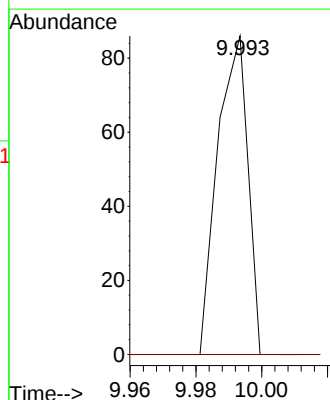
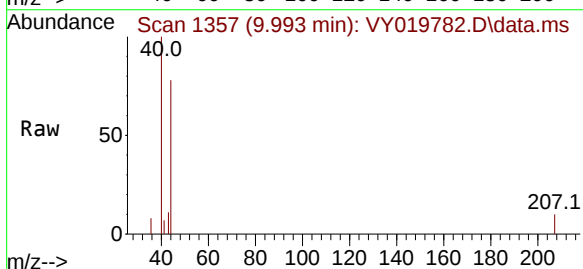
Acq: 03 Oct 2024 12:57

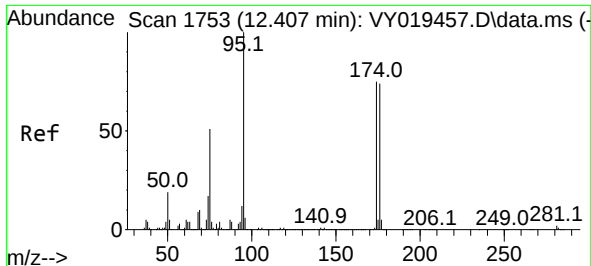
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#

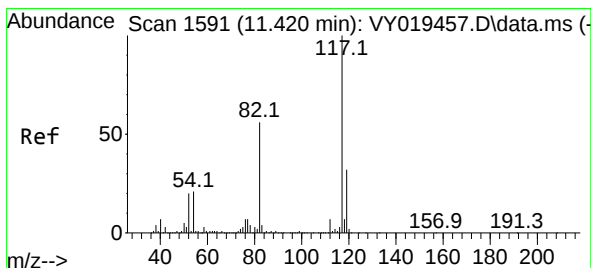
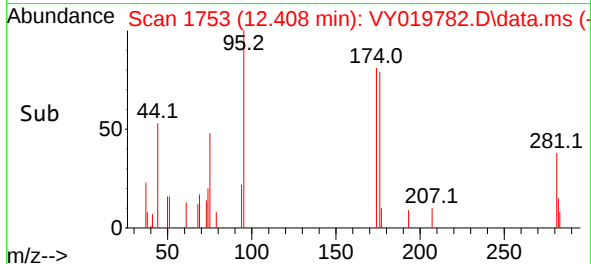
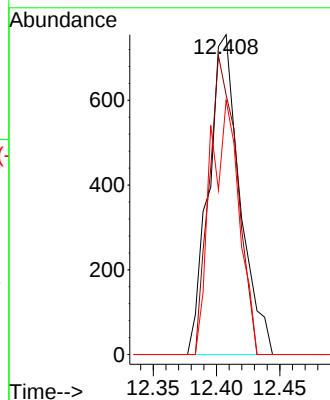
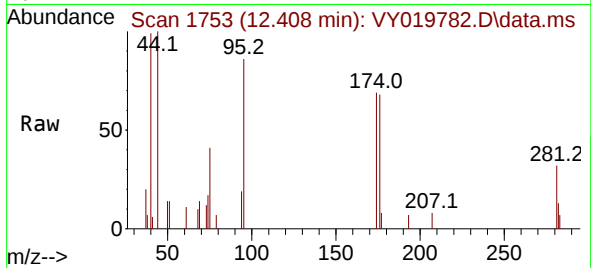




#62
4-Bromofluorobenzene
Concen: 17.660 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

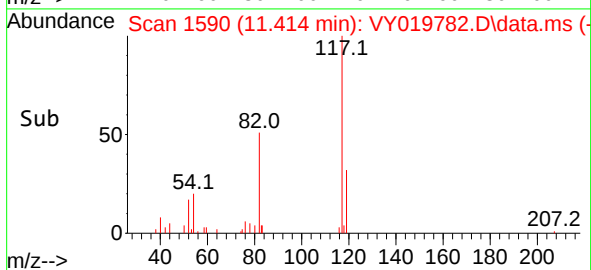
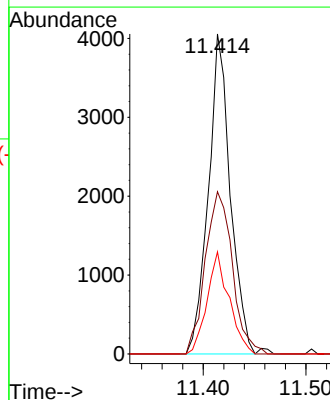
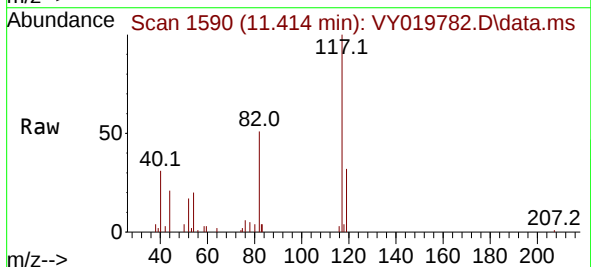
Instrument :
MSVOA_Y
ClientSampleId :

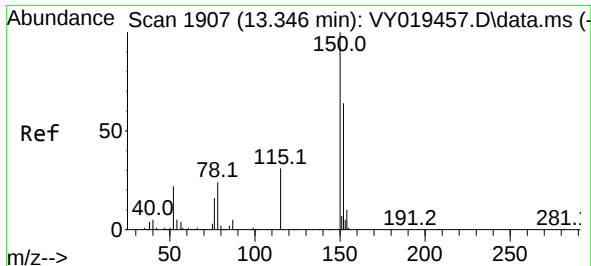
Tgt Ion: 95 Resp: 1302
Ion Ratio Lower Upper
95 100
174 83.8 0.0 175.6
176 72.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion: 117 Resp: 6066
Ion Ratio Lower Upper
117 100
82 50.7 42.4 63.6
119 31.9 25.9 38.9

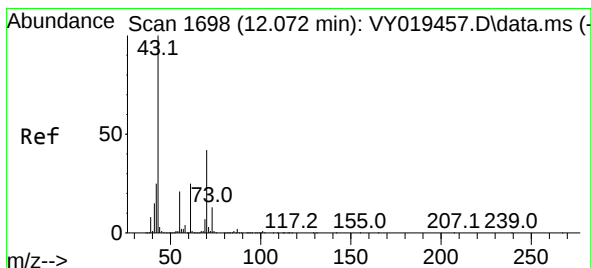
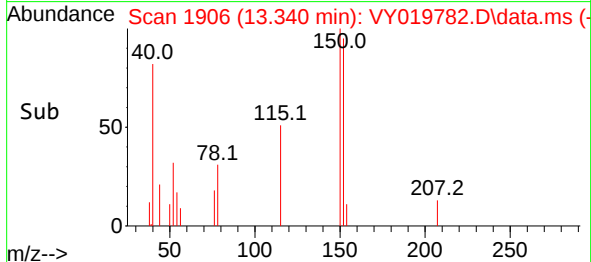
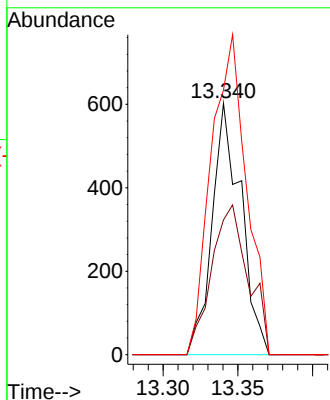
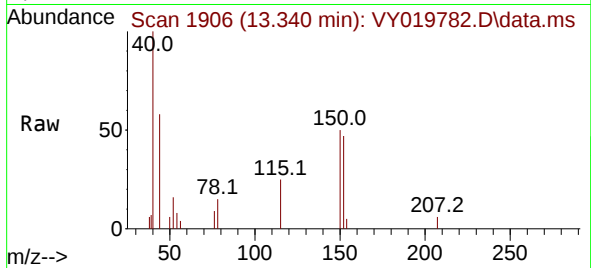




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY019782.D
 Acq: 03 Oct 2024 12:57

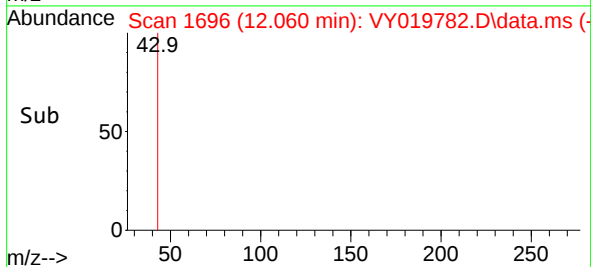
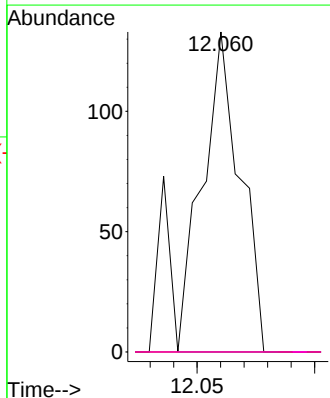
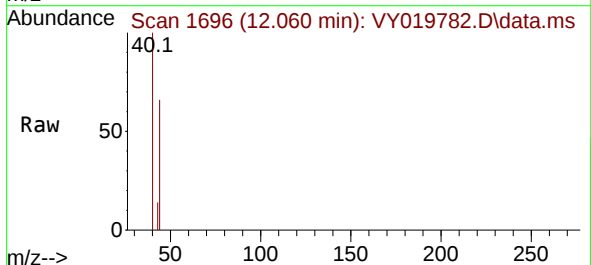
Instrument :
 MSVOA_Y
 ClientSampleId :

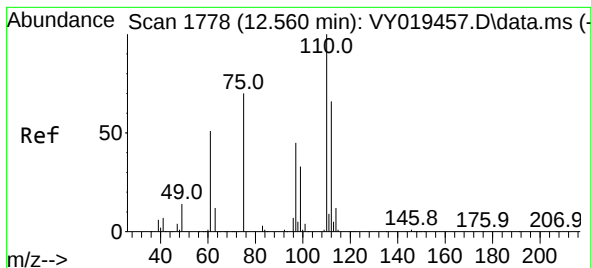
Tgt Ion:152 Resp: 808
 Ion Ratio Lower Upper
 152 100
 115 75.6 28.2 84.7
 150 155.4 0.0 345.6



#74
 N-ethyl acetate
 Concen: 9.346 ug/l
 RT: 12.060 min Scan# 1696
 Delta R.T. -0.012 min
 Lab File: VY019782.D
 Acq: 03 Oct 2024 12:57

Tgt Ion: 43 Resp: 149
 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#

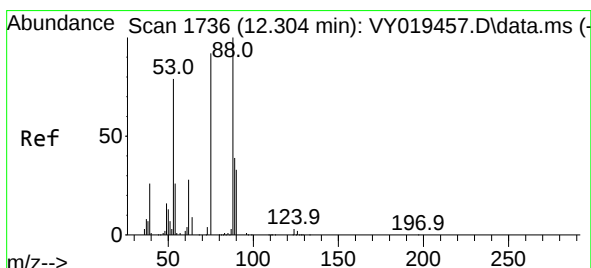
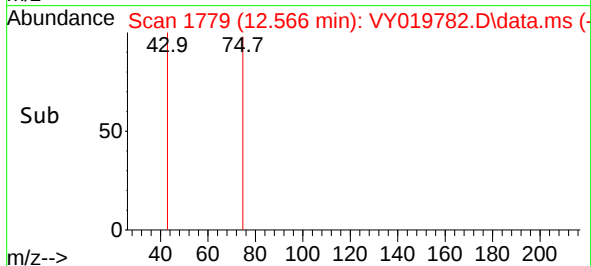
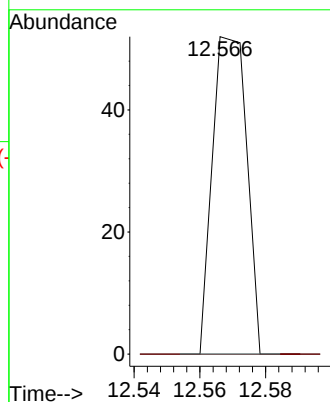
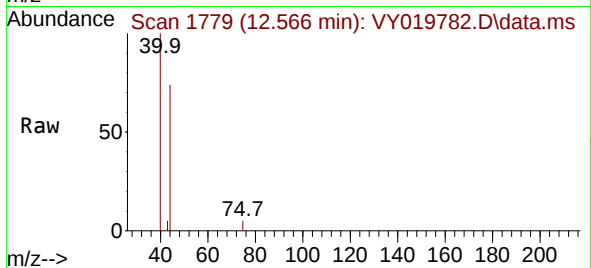




#76
1,2,3-Trichloropropane
Concen: 5.018 ug/l
RT: 12.566 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

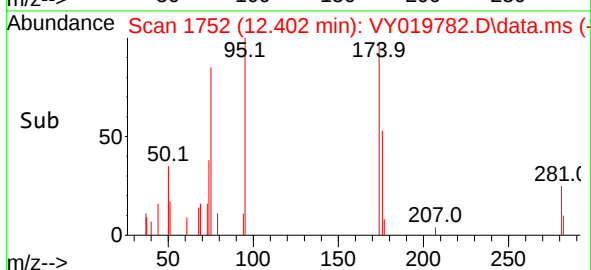
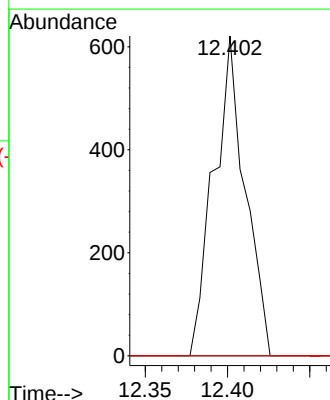
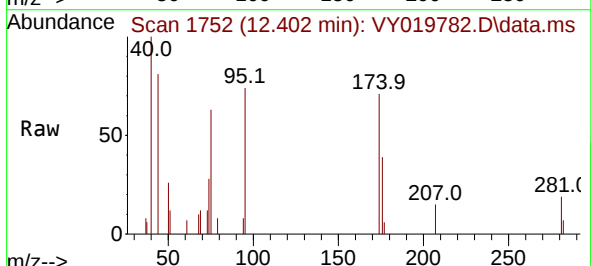
Instrument :
MSVOA_Y
ClientSampleId :

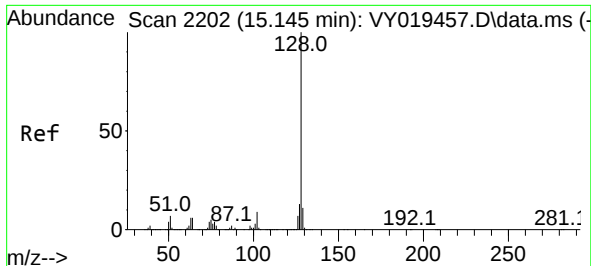
Tgt Ion: 75 Resp: 38
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 208.110 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion: 75 Resp: 821
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

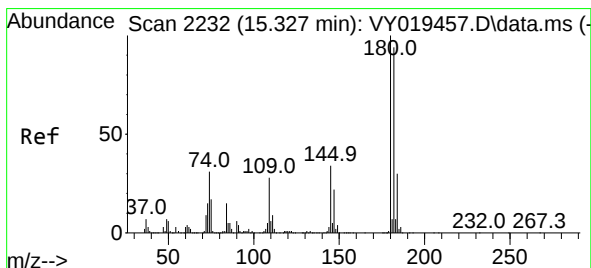
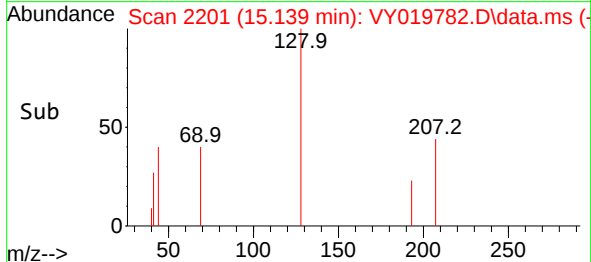
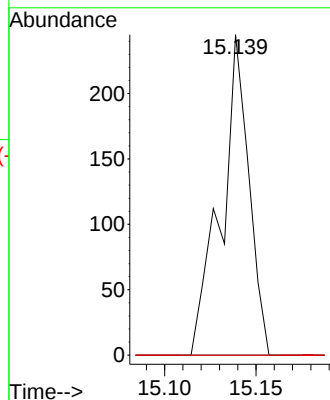
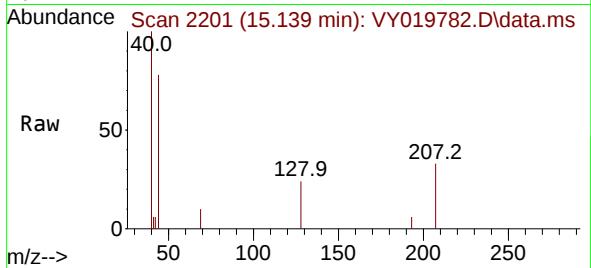




#95
Naphthalene
Concen: 9.433 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 259
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 5.798 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY019782.D
Acq: 03 Oct 2024 12:57

Tgt Ion:180 Resp: 68
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 15.4 46.1#

