

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013287.D
 Acq On : 13 Apr 2023 11:45
 Operator : KP/MD
 Sample : 02283-09
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230235-11-1

Quant Time: Apr 14 02:58:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

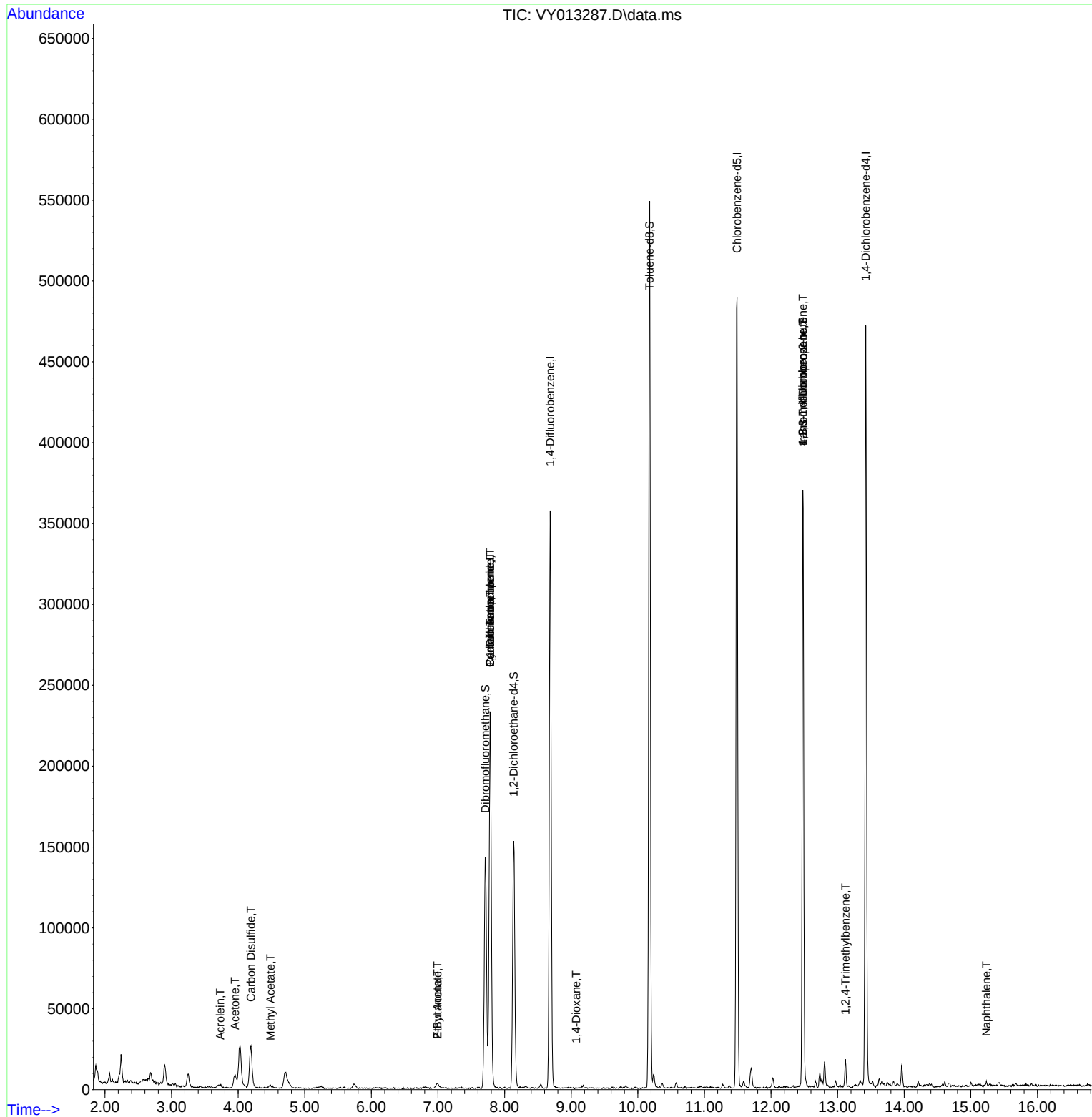
Internal Standards						
1) Pentafluorobenzene	7.783	168	173315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	289122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123366	59.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.460%			
35) Dibromofluoromethane	7.710	113	100789	53.847	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.700%			
50) Toluene-d8	10.179	98	352831	50.643	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.477	95	103823	45.865	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.720%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	167	Below Cal	#	74
13) Acrolein	3.729	56	2193	8.571	ug/l #	54
16) Acetone	3.954	43	18454	25.769	ug/l	91
17) Carbon Disulfide	4.192	76	52121	9.707	ug/l	99
18) Methyl Acetate	4.485	43	3520	1.520	ug/l #	70
20) Methylene Chloride	4.716	84	7207	Below Cal	#	90
25) 2-Butanone	6.990	43	4450	4.853	ug/l #	70
31) Cyclohexane	7.783	56	4854	1.541	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	14059	4.958	ug/l #	49
37) Ethyl Acetate	6.990	43	4450	1.947	ug/l #	72
38) Carbon Tetrachloride	7.783	117	16969	5.412	ug/l #	16
49) 1,4-Dioxane	9.075	88	24	1.382	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	56807	39.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56807	81.122	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	8287	1.271	ug/l	95
95) Naphthalene	15.233	128	2193	3.606	ug/l #	95

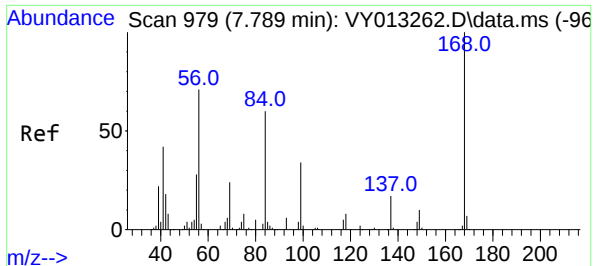
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 02:58:42 2023
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Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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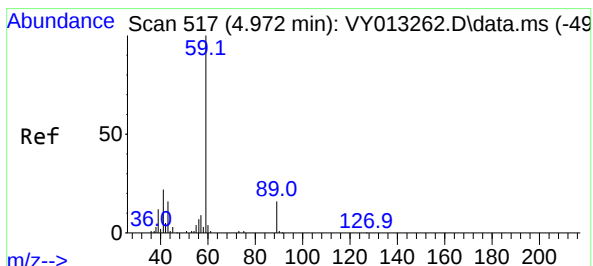
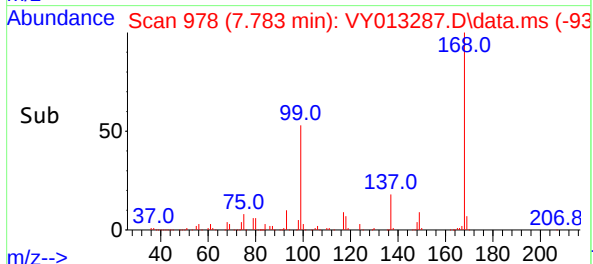
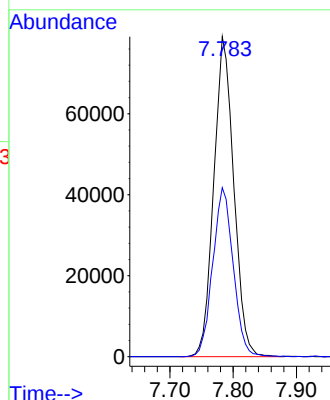
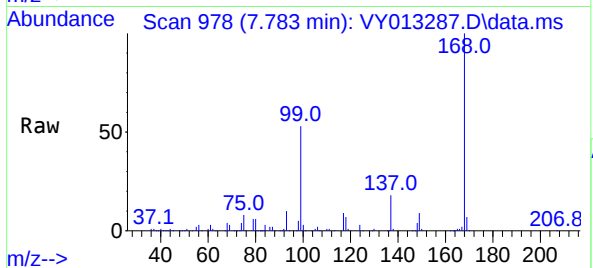




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

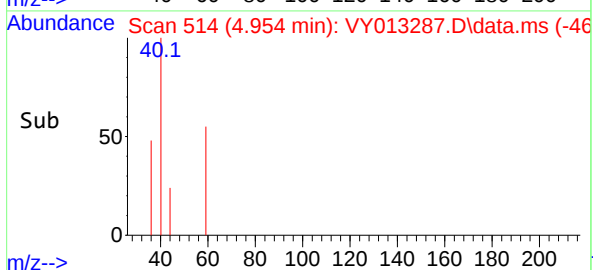
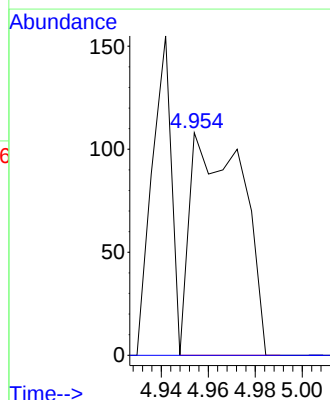
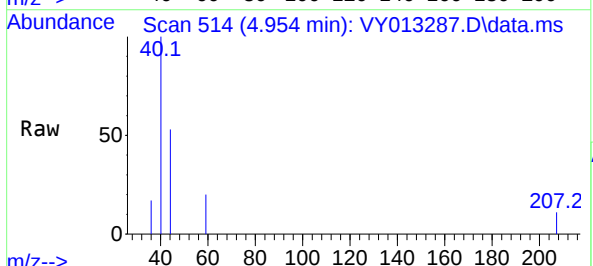
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

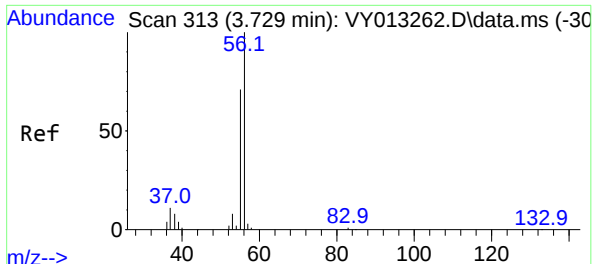
Tgt Ion:168 Resp: 173315
Ion Ratio Lower Upper
168 100
99 52.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 59 Resp: 167
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

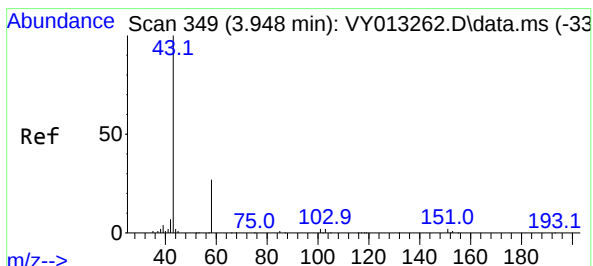
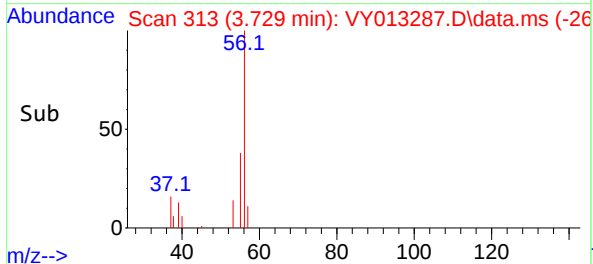
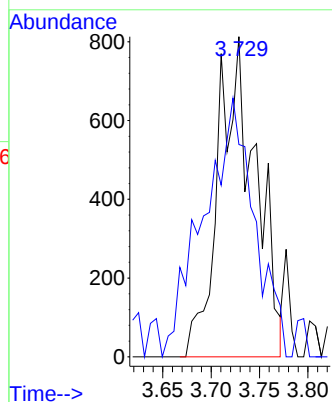
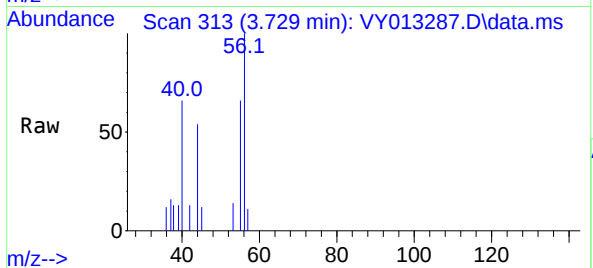




#13
Acrolein
Concen: 8.571 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

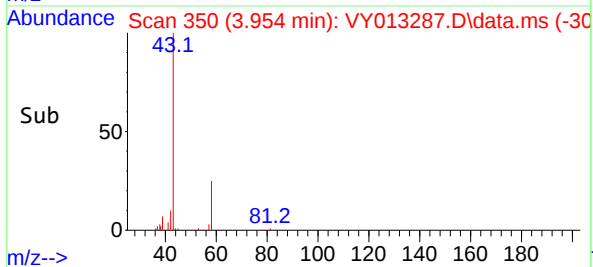
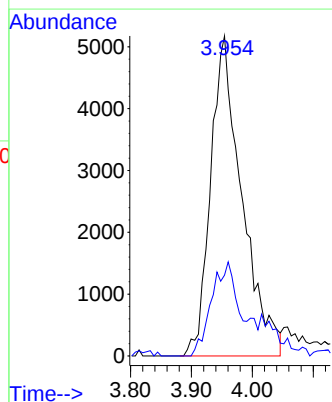
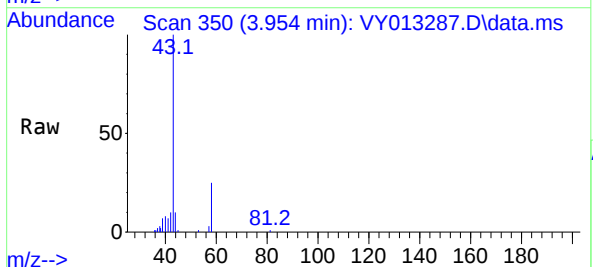
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

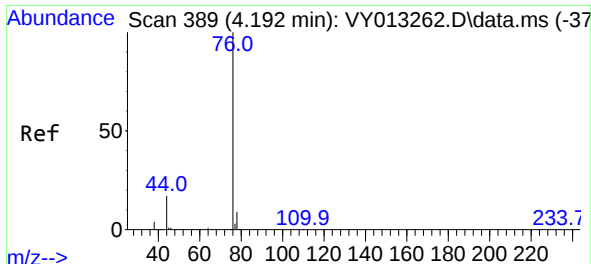
Tgt Ion: 56 Resp: 2193
Ion Ratio Lower Upper
56 100
55 109.1 56.8 85.2#



#16
Acetone
Concen: 25.769 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 43 Resp: 18454
Ion Ratio Lower Upper
43 100
58 25.2 24.2 36.2

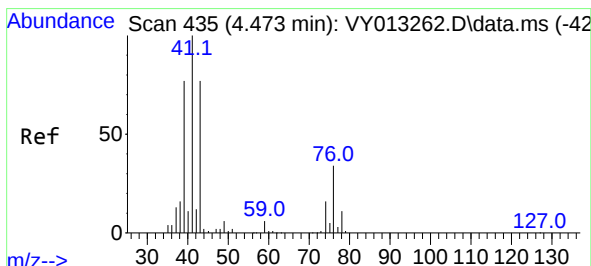
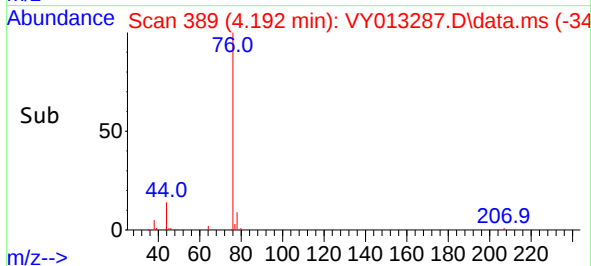
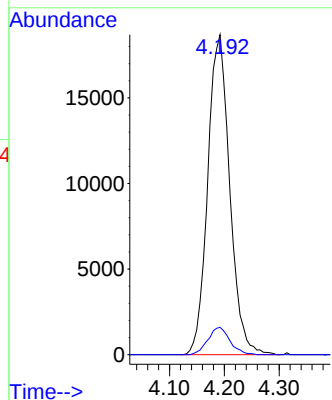
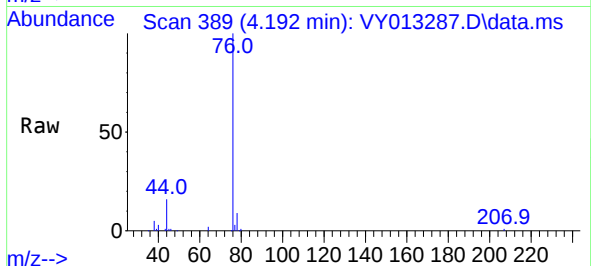




#17
Carbon Disulfide
Concen: 9.707 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

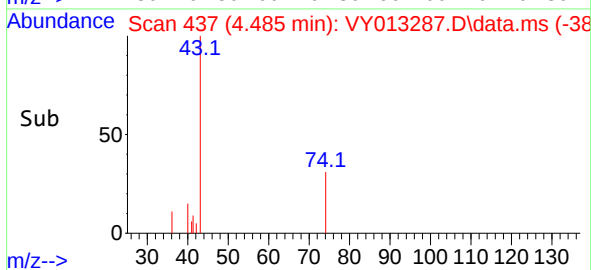
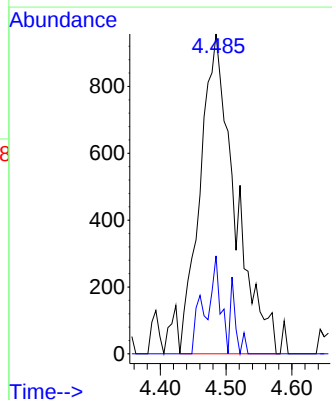
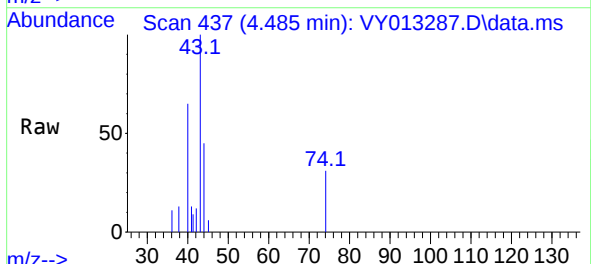
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

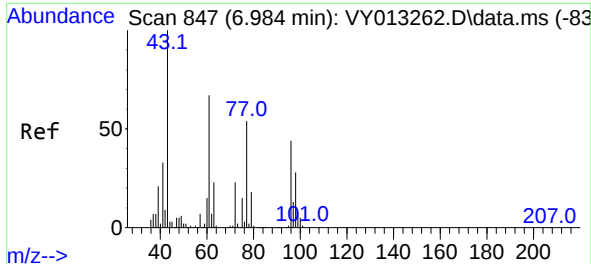
Tgt Ion: 76 Resp: 52121
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 1.520 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 43 Resp: 3520
Ion Ratio Lower Upper
43 100
74 7.6 17.4 26.0#





#25

2-Butanone

Concen: 4.853 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY013287.D

Acq: 13 Apr 2023 11:45

Instrument :

MSVOA_Y

ClientSampleId :

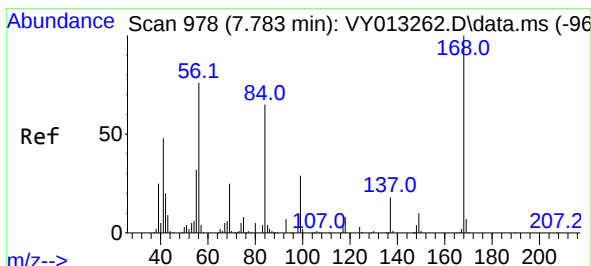
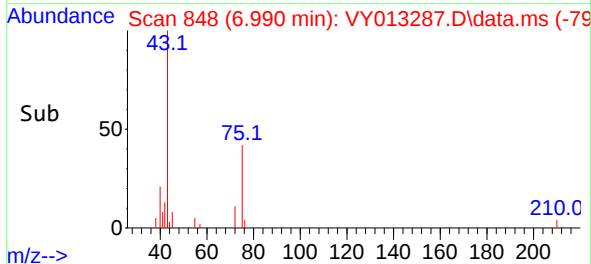
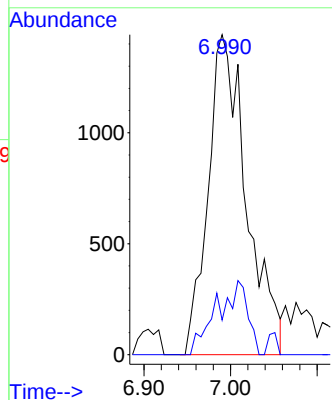
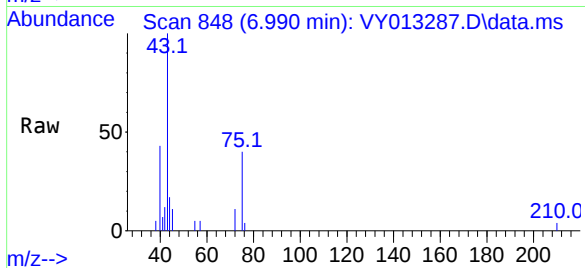
20230235-11-1

Tgt Ion: 43 Resp: 4450

Ion Ratio Lower Upper

43 100

72 10.8 21.0 31.4#



#31

Cyclohexane

Concen: 1.541 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013287.D

Acq: 13 Apr 2023 11:45

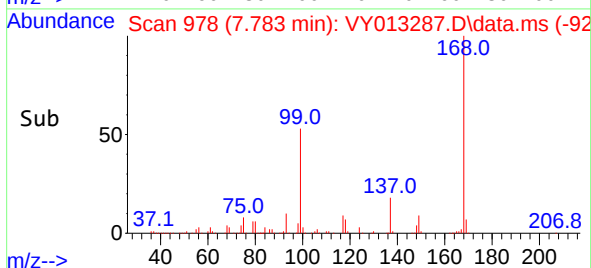
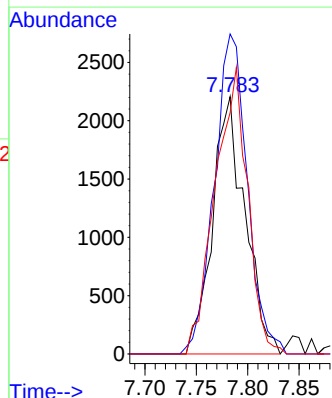
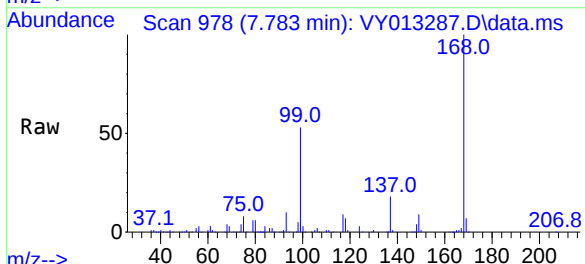
Tgt Ion: 56 Resp: 4854

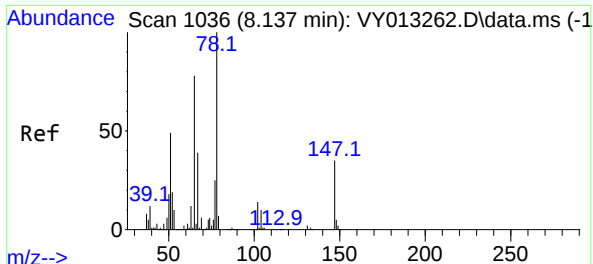
Ion Ratio Lower Upper

56 100

69 124.4 25.7 38.5#

84 93.8 64.3 96.5

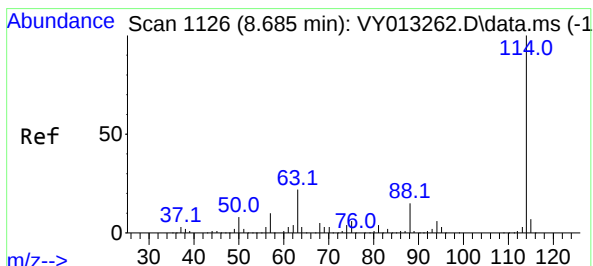
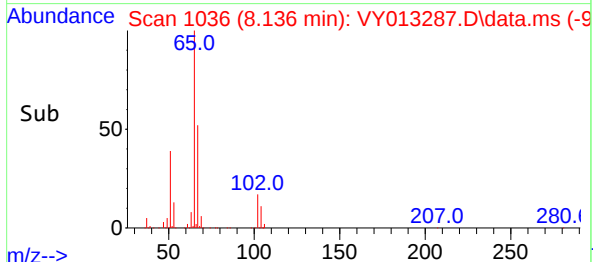
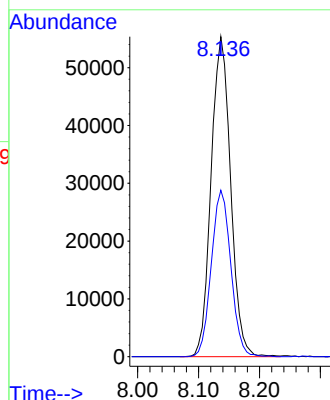
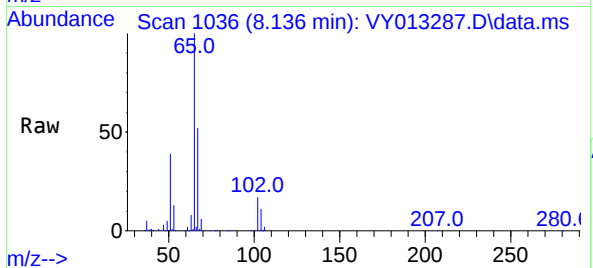




#33
 1,2-Dichloroethane-d4
 Concen: 59.229 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY013287.D
 Acq: 13 Apr 2023 11:45

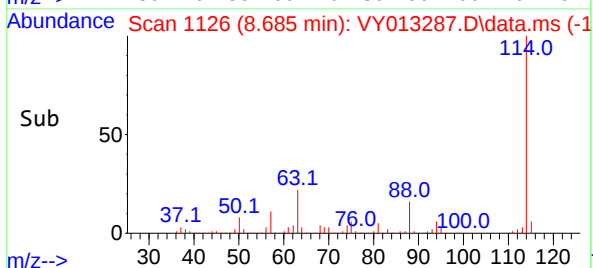
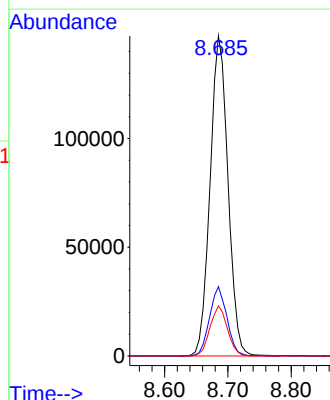
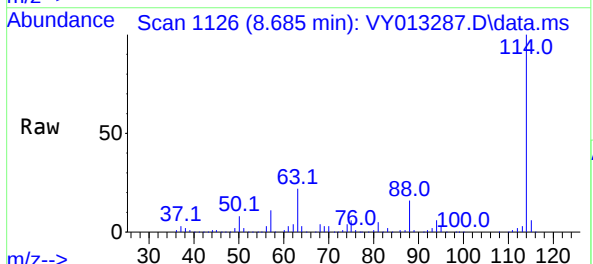
Instrument :
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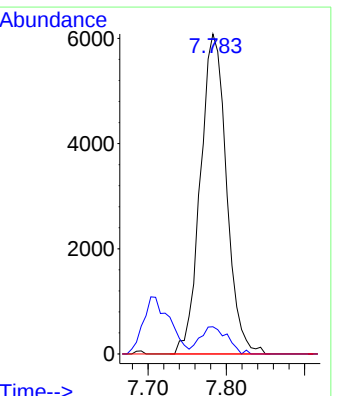
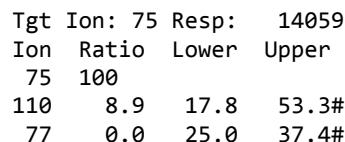
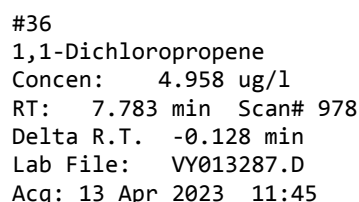
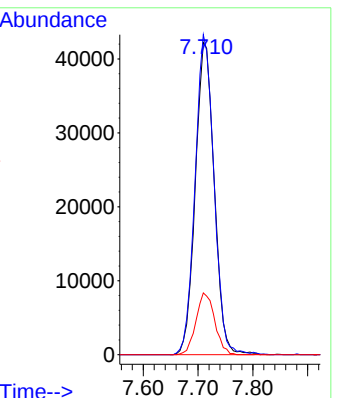
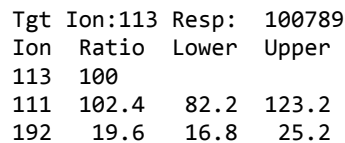
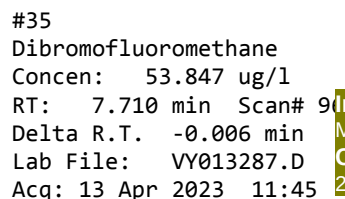
Tgt Ion: 65 Resp: 123366
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0

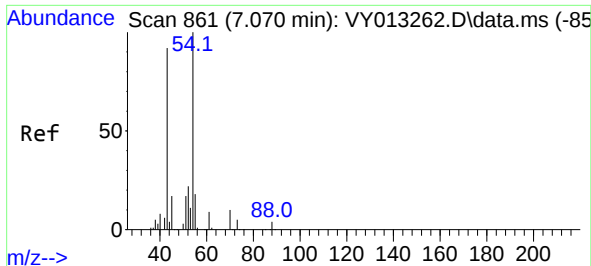


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013287.D
 Acq: 13 Apr 2023 11:45

Tgt Ion: 114 Resp: 289122
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 37.4
 88 15.7 0.0 28.6



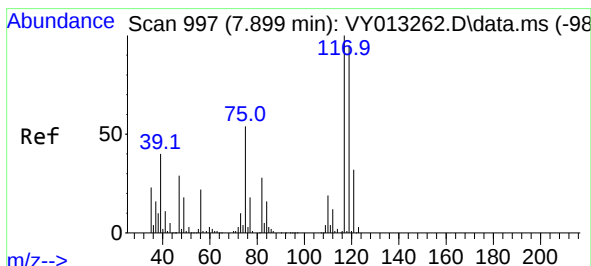
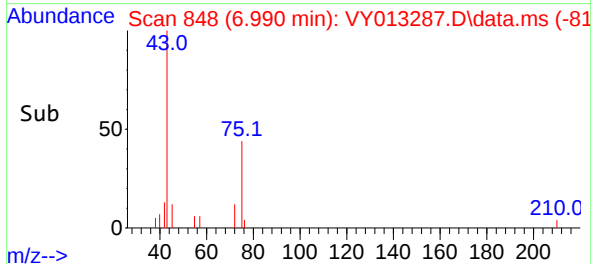
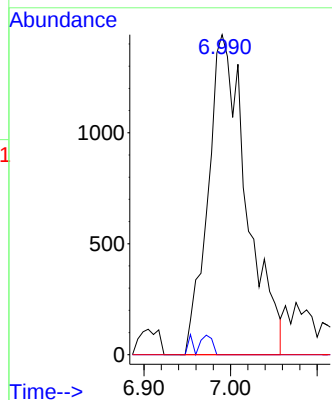
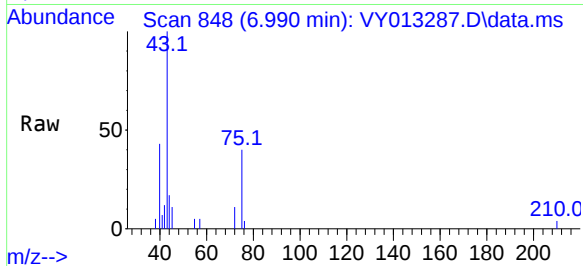




#37
Ethyl Acetate
Concen: 1.947 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

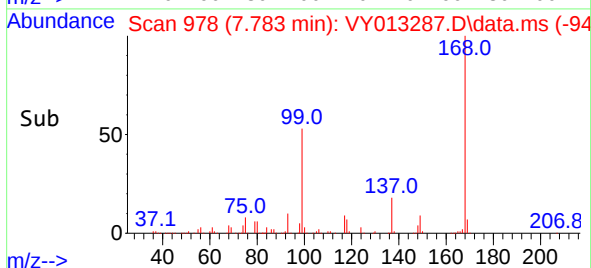
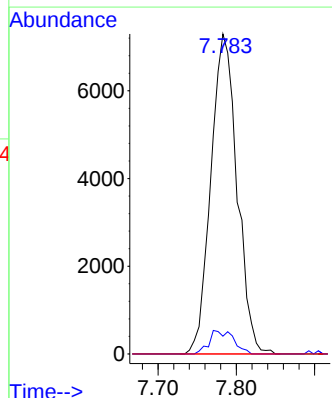
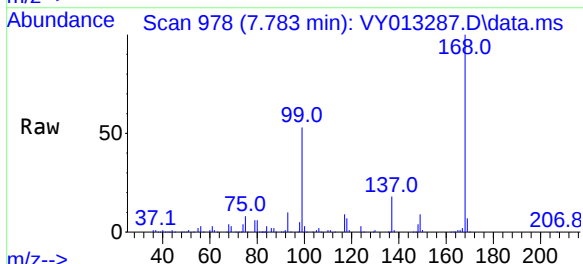
Instrument :
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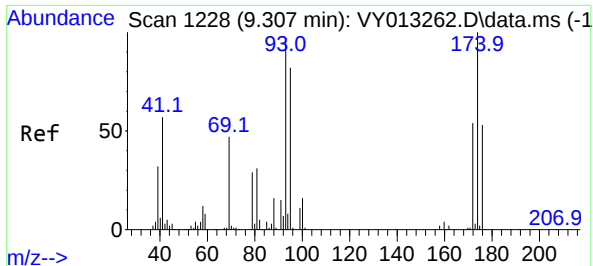
Tgt Ion: 43 Resp: 4450
Ion Ratio Lower Upper
43 100
61 1.9 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 117 Resp: 16969
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#

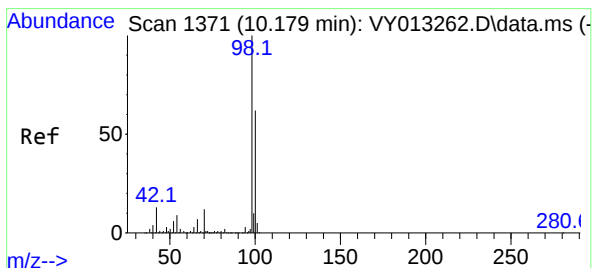
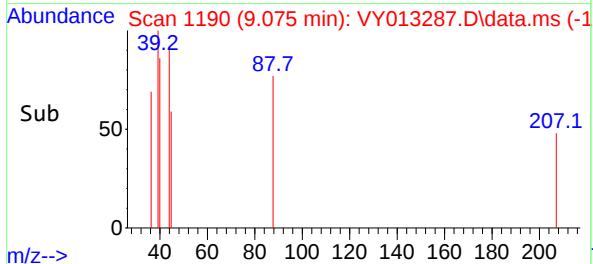
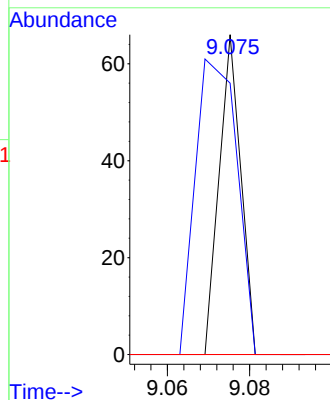
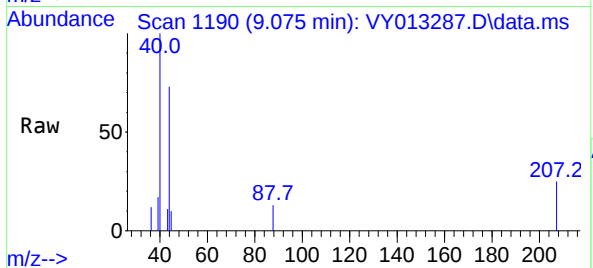




#49
1,4-Dioxane
Concen: 1.382 ug/l
RT: 9.075 min Scan# 1190
Delta R.T. -0.232 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

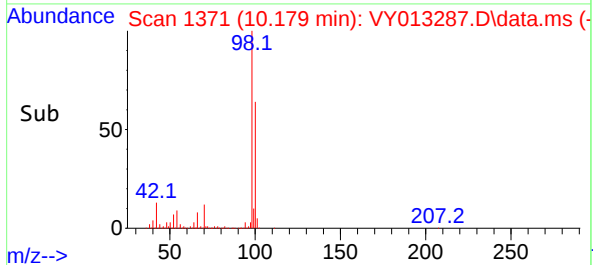
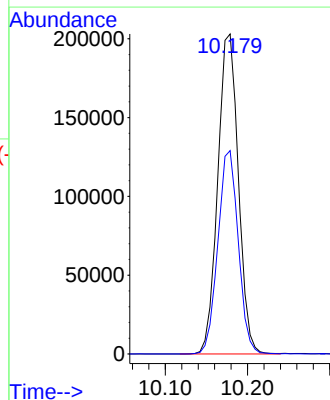
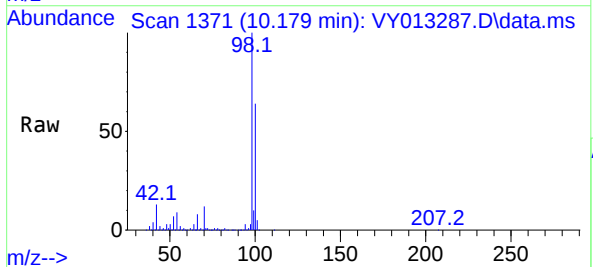
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

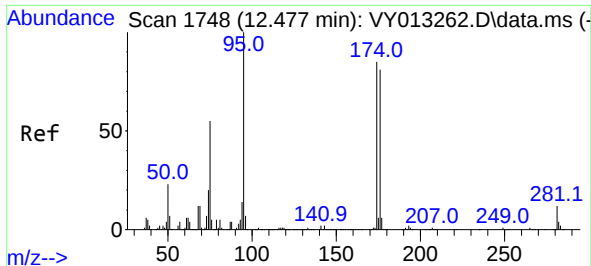
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 179.2 28.6 42.8#
58 0.0 55.2 82.8#



#50
Toluene-d8
Concen: 50.643 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 98 Resp: 352831
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

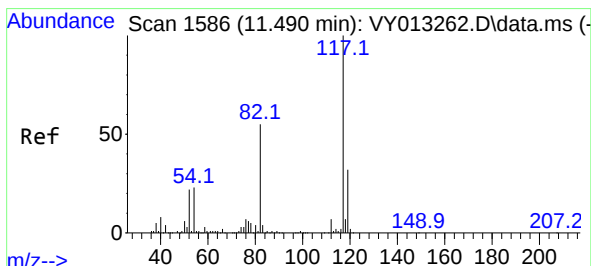
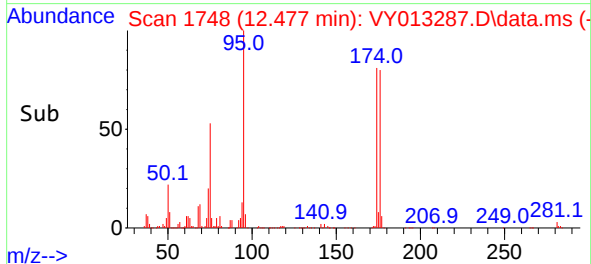
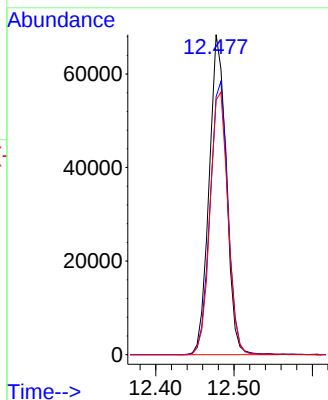
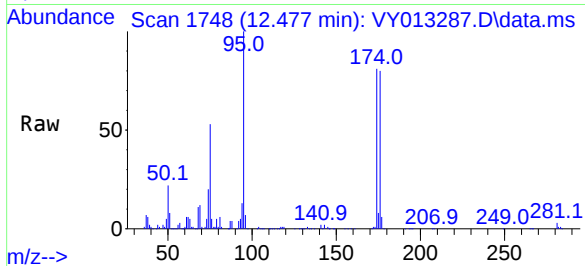




#62
4-Bromofluorobenzene
Concen: 45.865 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

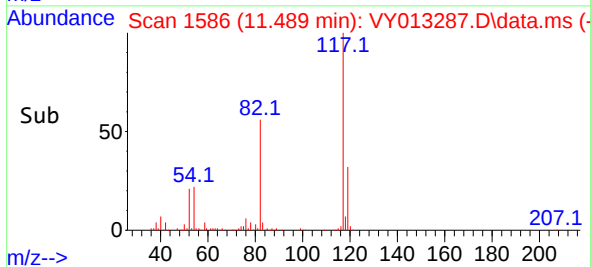
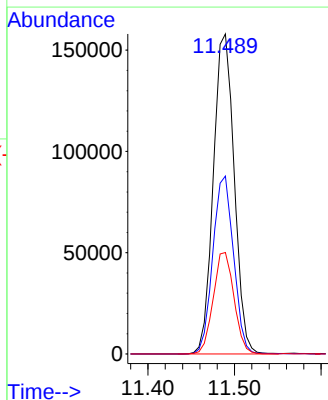
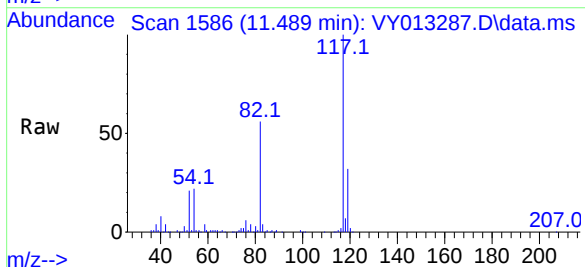
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

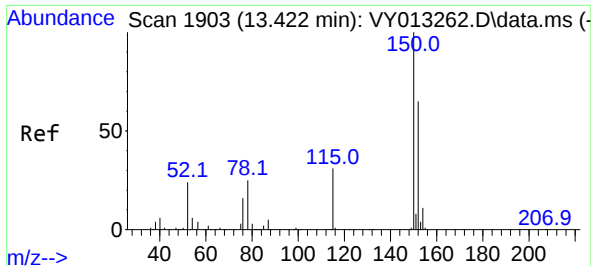
Tgt Ion: 95 Resp: 103823
Ion Ratio Lower Upper
95 100
174 89.4 0.0 176.6
176 85.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 117 Resp: 264881
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 31.7 25.6 38.4

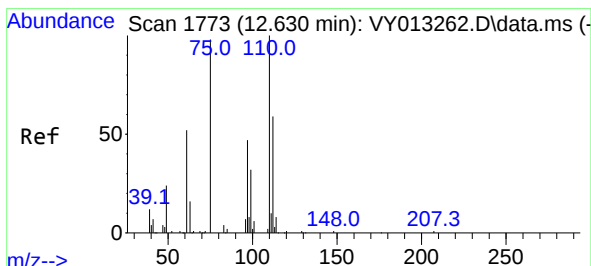
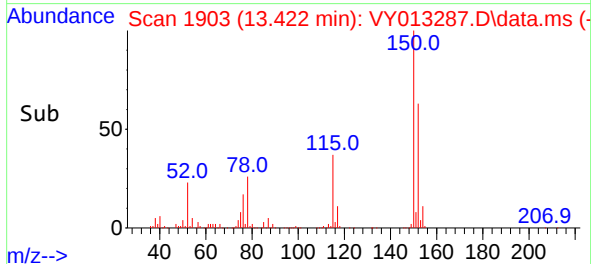
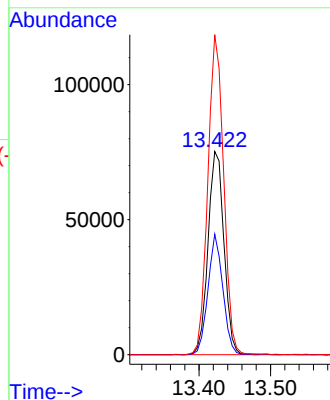
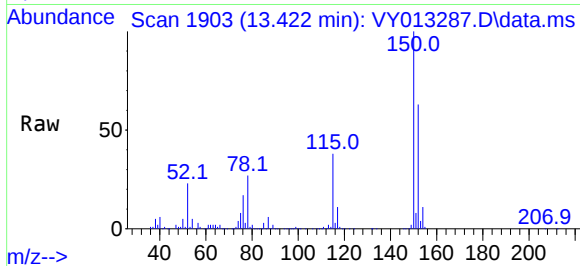




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

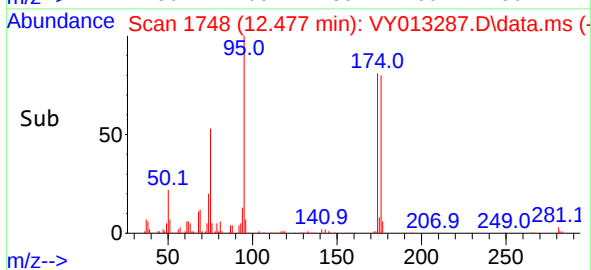
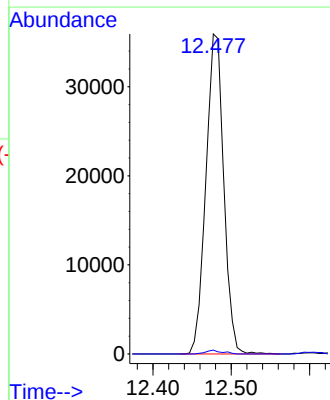
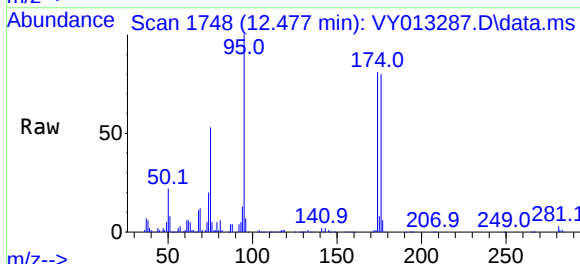
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

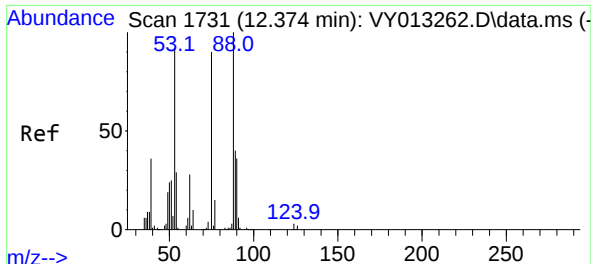
Tgt Ion:152 Resp: 116638
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 155.8 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 39.086 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Tgt Ion: 75 Resp: 56807
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

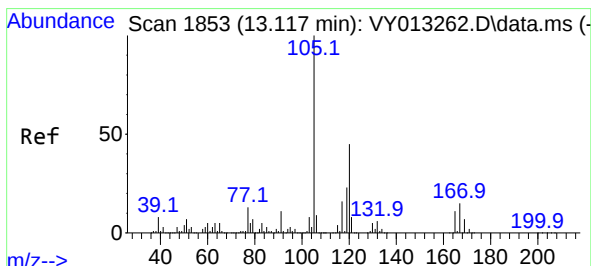
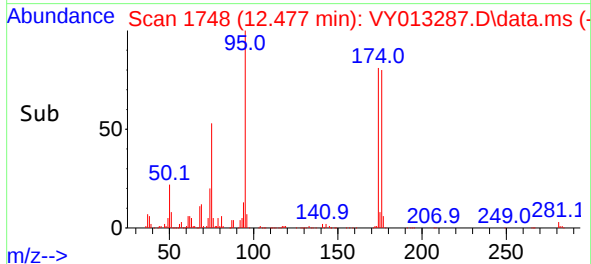
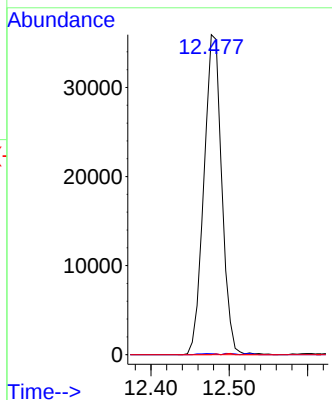
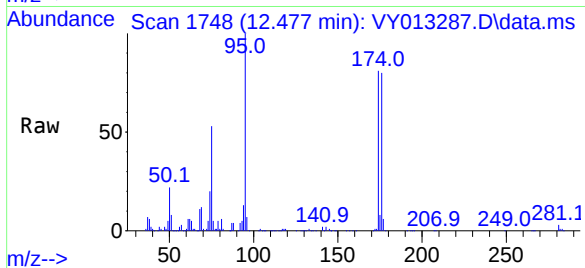




#81
trans-1,4-Dichloro-2-butene
Concen: 81.122 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

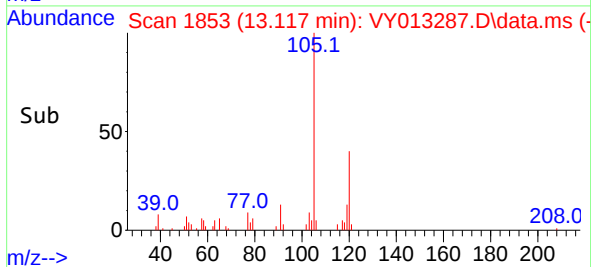
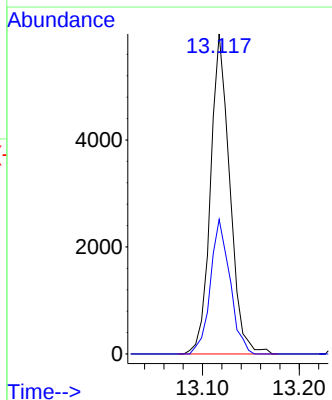
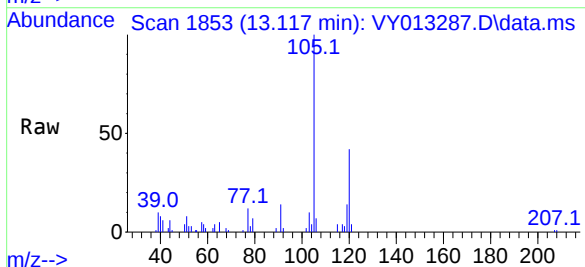
Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1

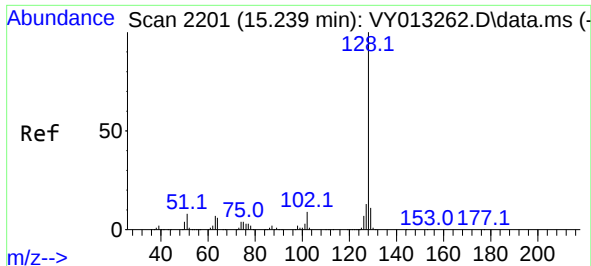
Tgt Ion: 75 Resp: 56807
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.271 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

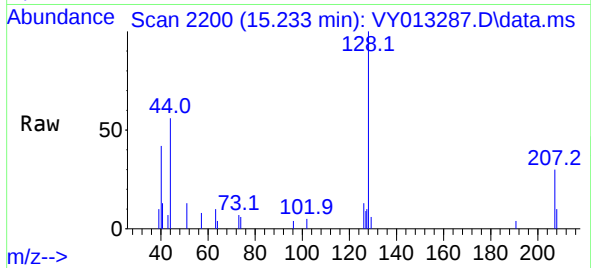
Tgt Ion: 105 Resp: 8287
Ion Ratio Lower Upper
105 100
120 42.7 23.0 69.0





#95
Naphthalene
Concen: 3.606 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013287.D
Acq: 13 Apr 2023 11:45

Instrument :
MSVOA_Y
ClientSampleId :
20230235-11-1



Tgt Ion:128 Resp: 2193
Ion Ratio Lower Upper
128 100
127 15.8 10.3 15.5#
129 9.5 8.6 13.0

