

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010211.D
 Acq On : 25 Aug 2022 18:16
 Operator : KP/MD
 Sample : N4323-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-082322

Quant Time: Aug 26 06:48:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

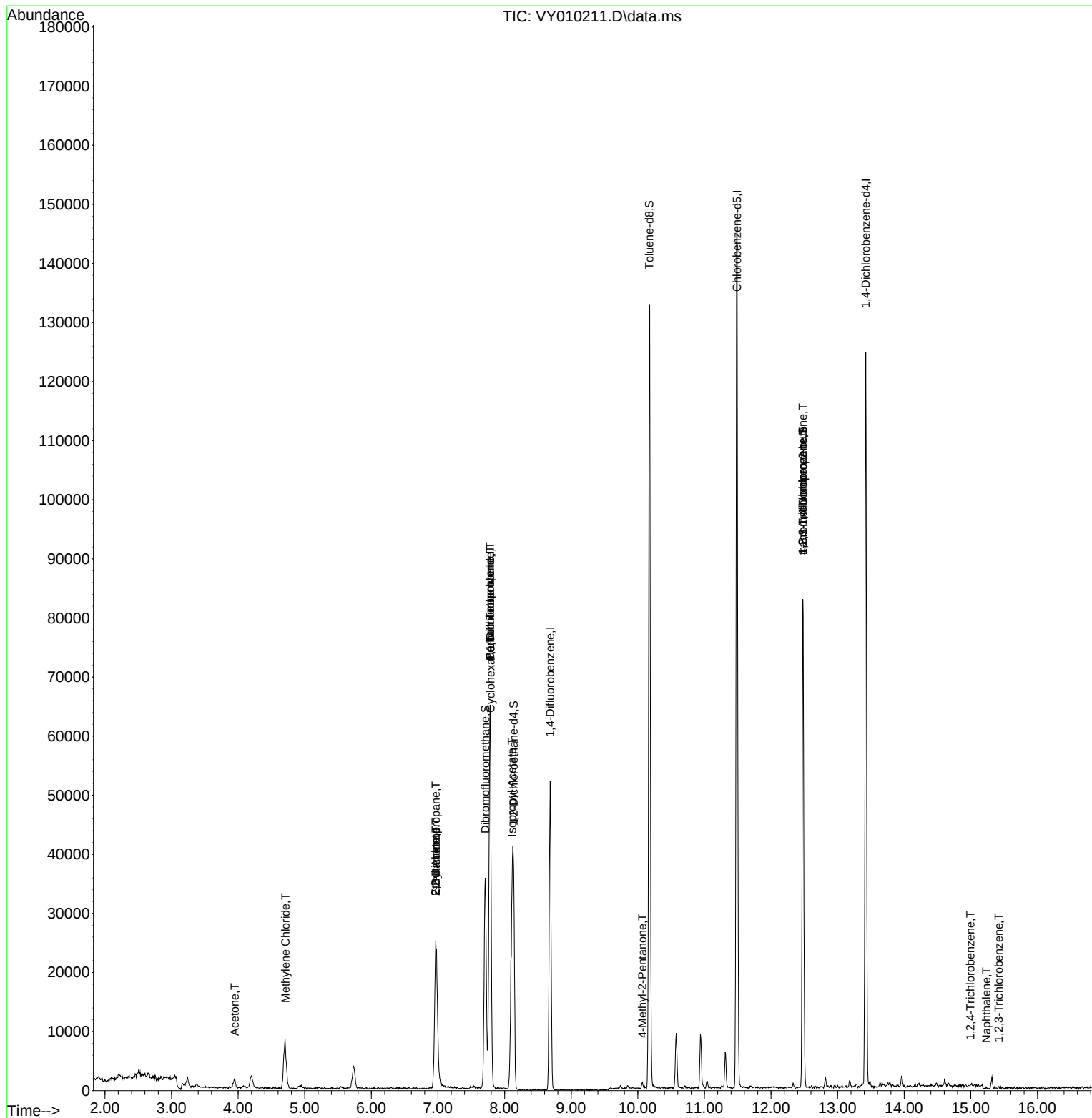
Internal Standards						
1) Pentafluorobenzene	7.783	168	51049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	44950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	83062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	22087	51.623	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.240%			
35) Dibromofluoromethane	7.710	113	25393	86.160	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 172.320%#			
50) Toluene-d8	10.173	98	89249	87.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 174.520%#			
62) 4-Bromofluorobenzene	12.477	95	23764	60.650	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 121.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	389	Below Cal		84
11) Tert butyl alcohol	4.924	59	450	Below Cal	#	77
16) Acetone	3.948	43	2332	16.826	ug/l	99
18) Methyl Acetate	4.472	43	69	Below Cal	#	56
20) Methylene Chloride	4.710	84	5470	1.631	ug/l	# 73
25) 2-Butanone	6.966	43	1399	6.079	ug/l	# 54
26) 2,2-Dichloropropane	6.966	77	1957	1.996	ug/l	# 55
31) Cyclohexane	7.789	56	1123	1.290	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	4068	9.385	ug/l	# 48
37) Ethyl Acetate	6.966	43	1399	5.049	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	4636	10.098	ug/l	# 15
43) Isopropyl Acetate	8.112	43	752	1.560	ug/l	# 43
51) 4-Methyl-2-Pentanone	10.069	43	741	2.806	ug/l	# 81
76) 1,2,3-Trichloropropane	12.477	75	11891	33.557	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	11891	71.350	ug/l	# 7
93) 1,2,4-Trichlorobenzene	14.995	180	214	4.906	ug/l	# 49
95) Naphthalene	15.233	128	317	6.159	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.422	180	50	4.711	ug/l	# 77

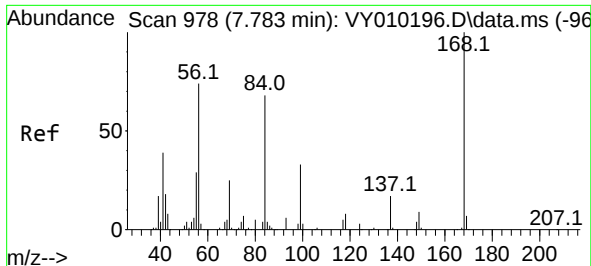
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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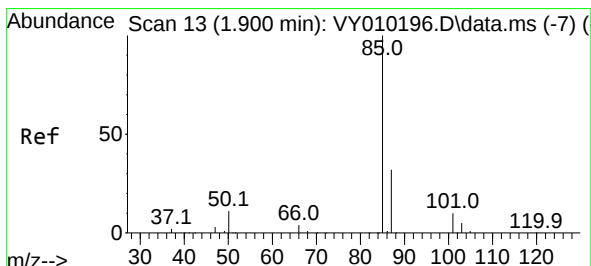
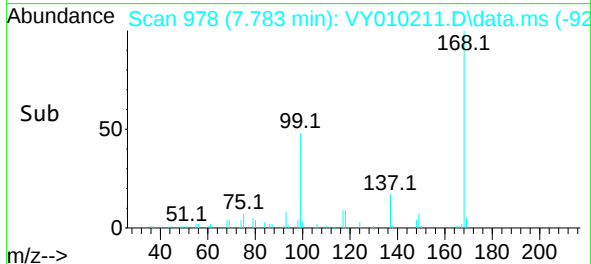
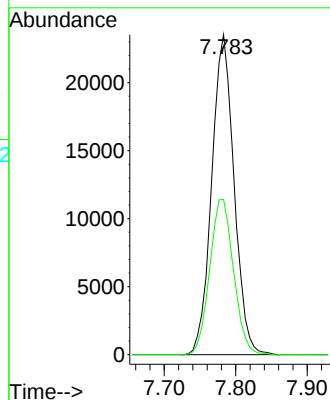
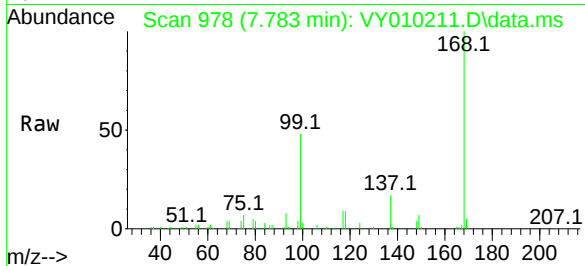




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

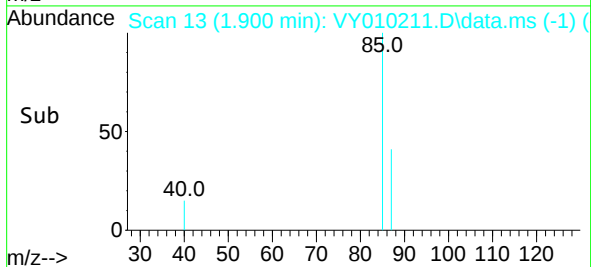
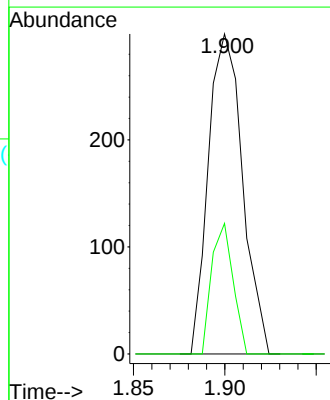
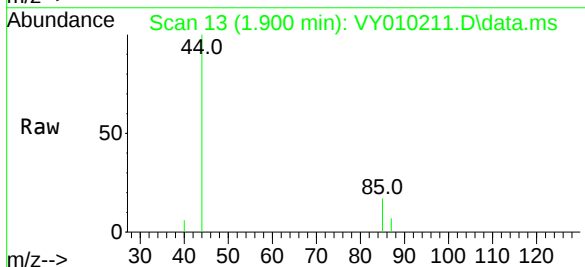
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-082322

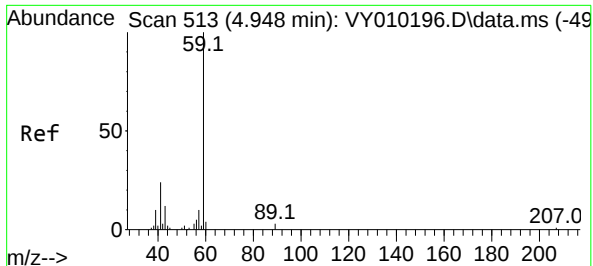
Tgt Ion:168 Resp: 51049
Ion Ratio Lower Upper
168 100
99 48.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 85 Resp: 389
Ion Ratio Lower Upper
85 100
87 40.8 16.1 48.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

Instrument :

MSVOA_Y

ClientSampleId :

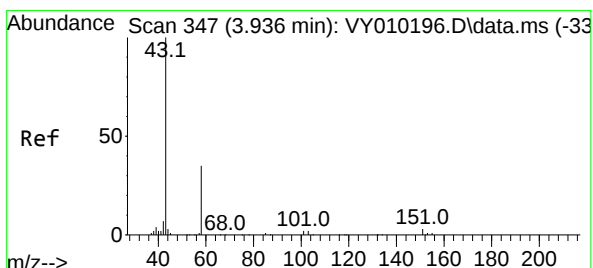
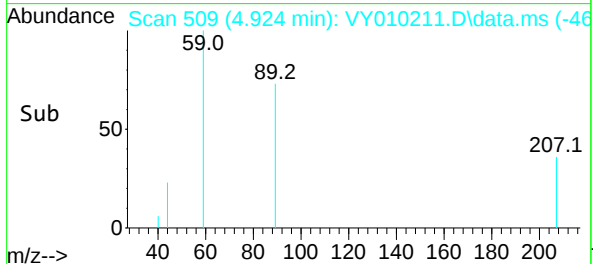
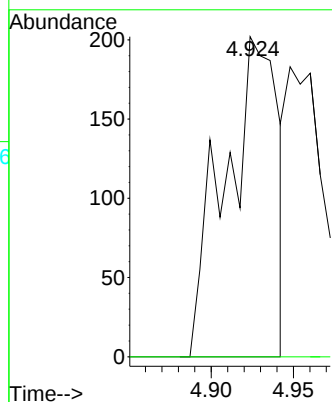
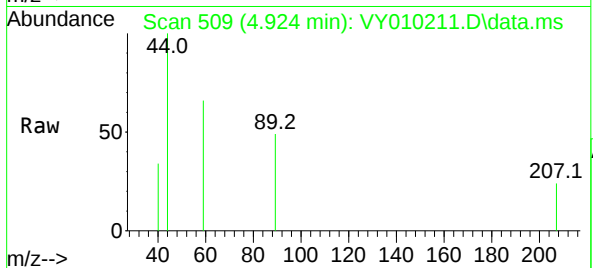
TR-05-082322

Tgt Ion: 59 Resp: 450

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 16.826 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010211.D

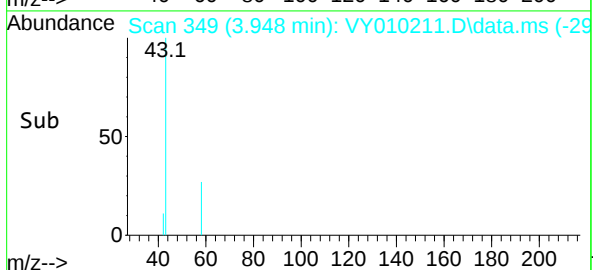
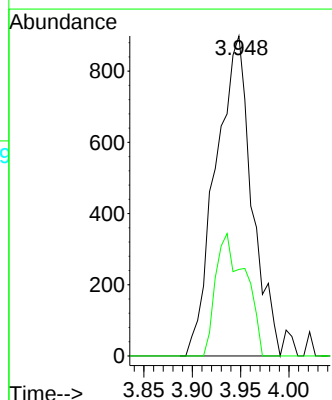
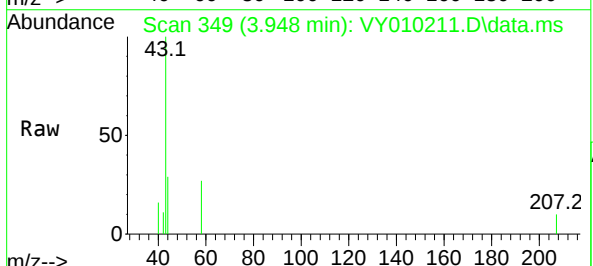
Acq: 25 Aug 2022 18:16

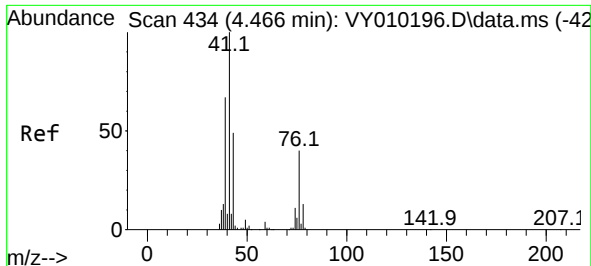
Tgt Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

58 27.0 22.0 33.0

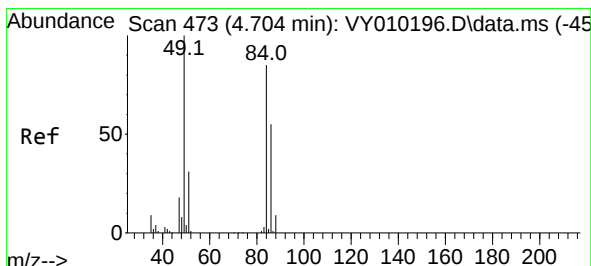
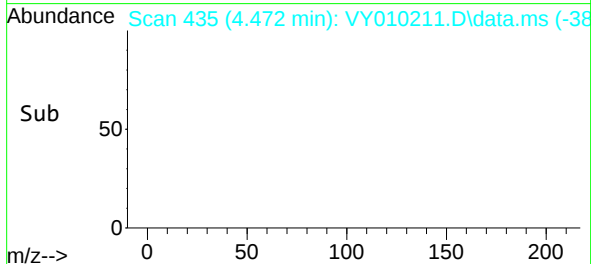
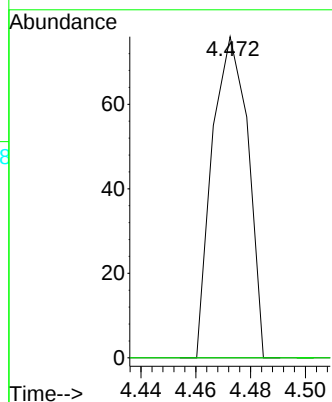
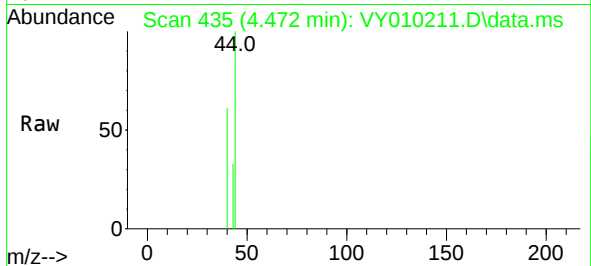




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

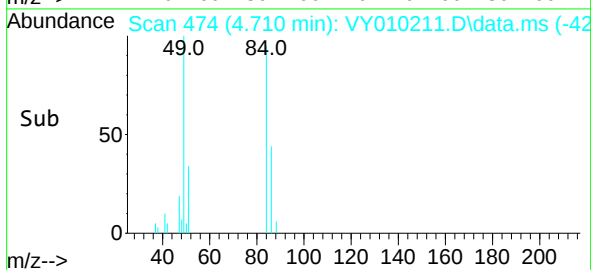
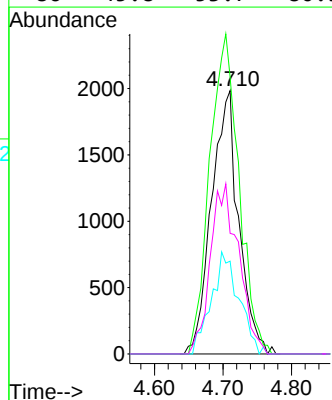
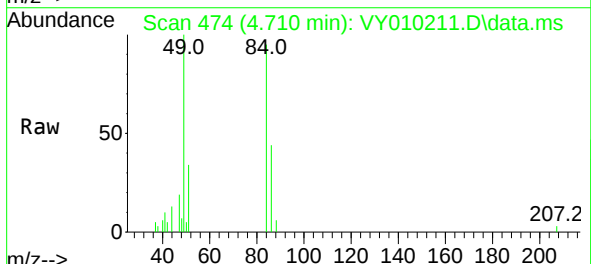
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-082322

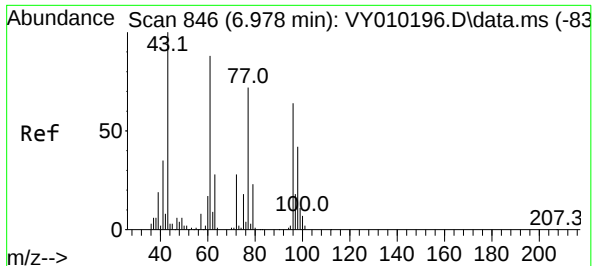
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.631 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 84 Resp: 5470
Ion Ratio Lower Upper
84 100
49 105.1 114.4 171.6#
51 35.2 35.3 52.9#
86 45.8 53.7 80.5#





#25

2-Butanone

Concen: 6.079 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

Instrument :

MSVOA_Y

ClientSampleId :

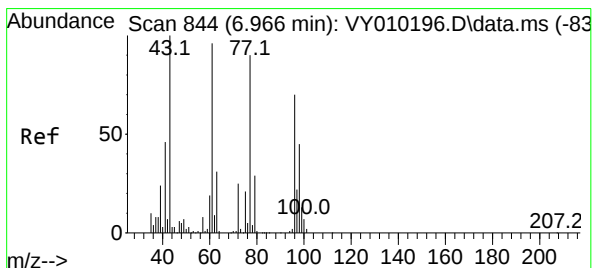
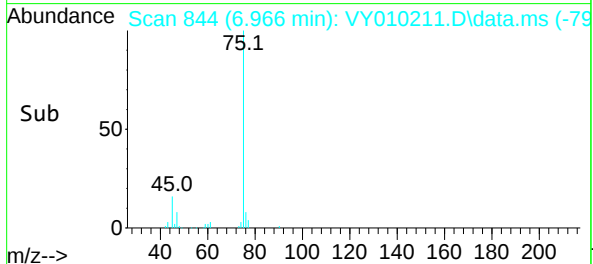
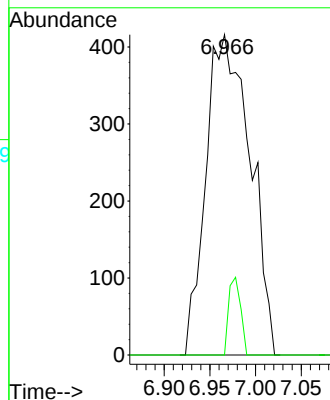
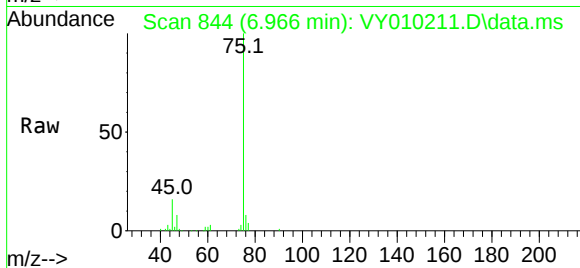
TR-05-082322

Tgt Ion: 43 Resp: 1399

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.996 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.000 min

Lab File: VY010211.D

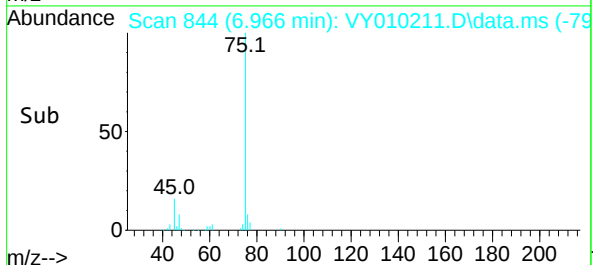
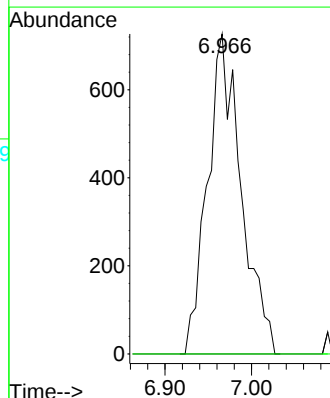
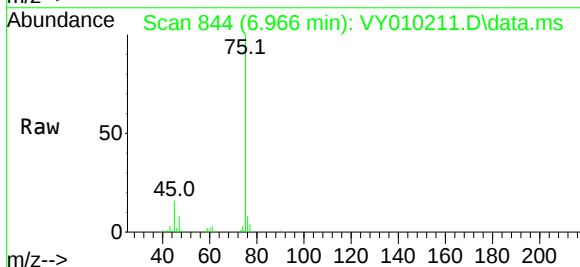
Acq: 25 Aug 2022 18:16

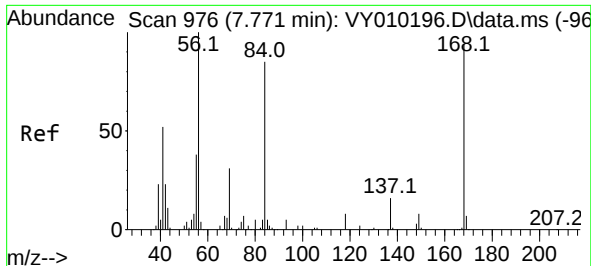
Tgt Ion: 77 Resp: 1957

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

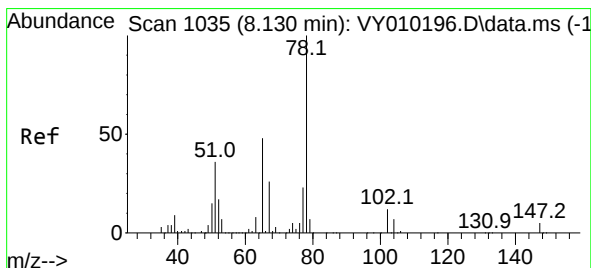
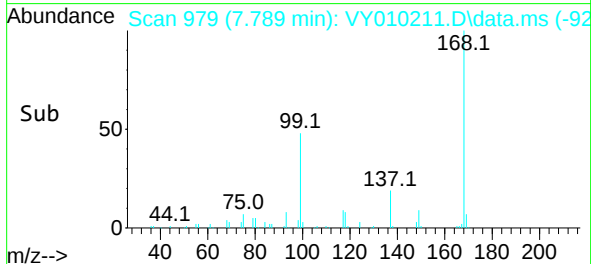
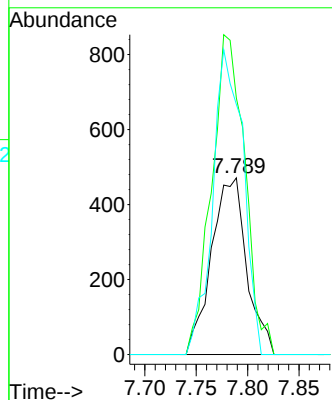
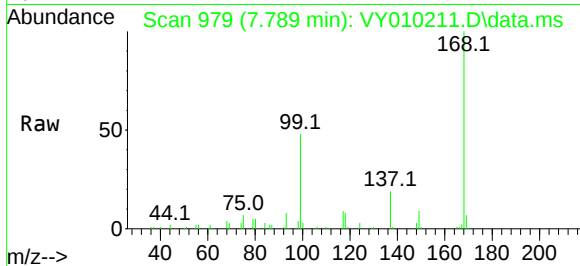




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

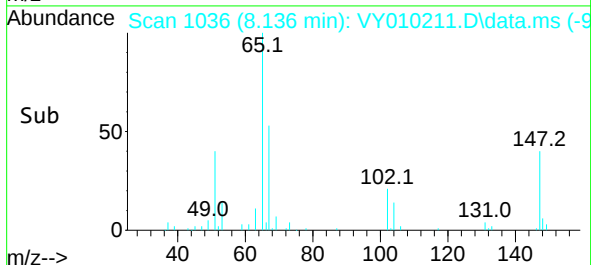
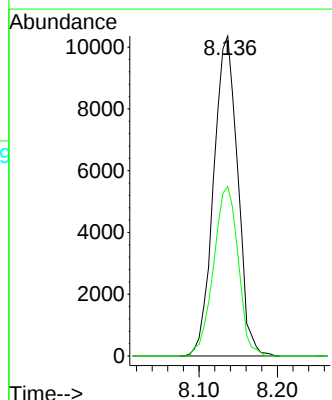
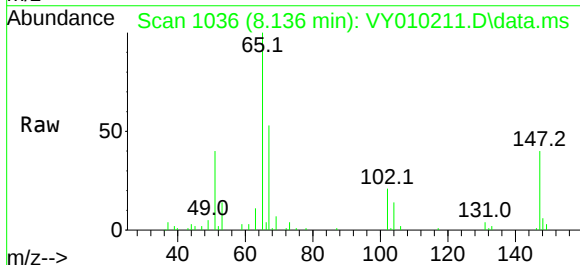
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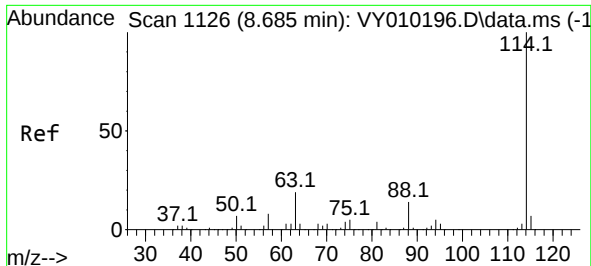
Tgt Ion: 56 Resp: 1123
Ion Ratio Lower Upper
56 100
69 145.2 26.7 40.1#
84 141.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.623 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 65 Resp: 22087
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

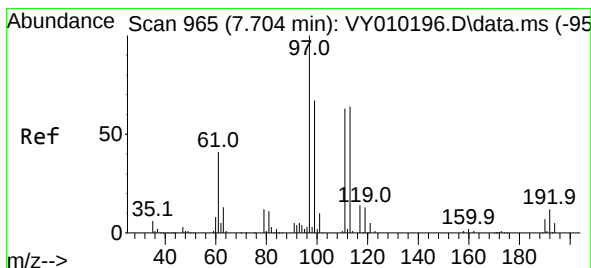
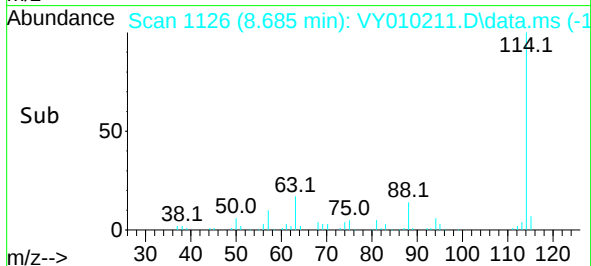
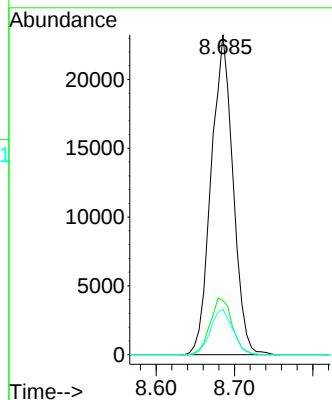
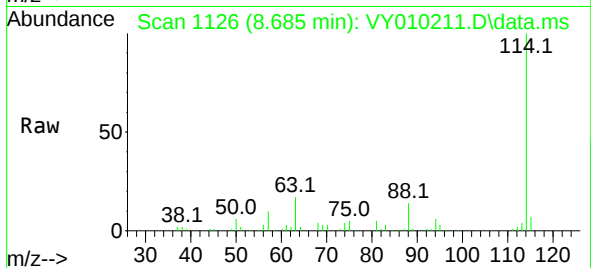
Instrument :

MSVOA_Y

ClientSampleId :

TR-05-082322

Tgt Ion:114	Resp:	44950
Ion Ratio	Lower	Upper
114	100	
63	16.9	0.0 43.2
88	14.2	0.0 31.8



#35

Dibromofluoromethane

Concen: 86.160 ug/l

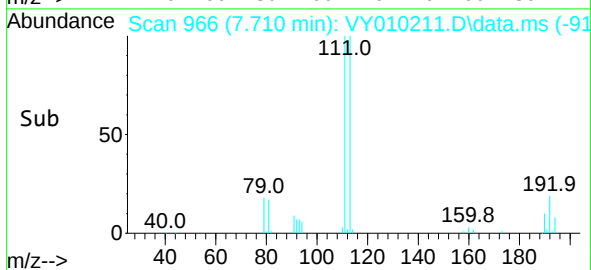
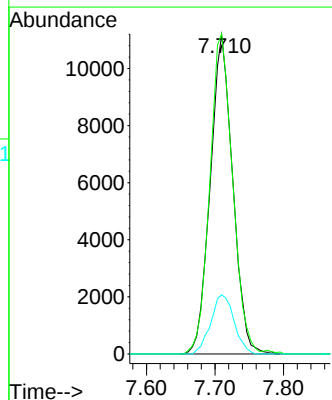
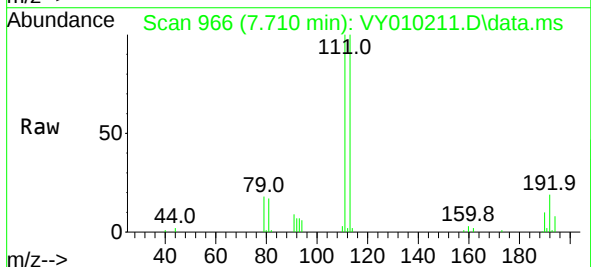
RT: 7.710 min Scan# 966

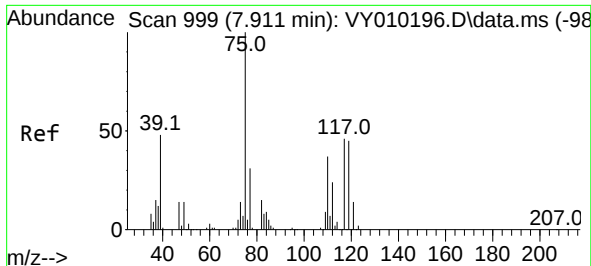
Delta R.T. 0.006 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

Tgt Ion:113	Resp:	25393
Ion Ratio	Lower	Upper
113	100	
111	102.6	82.6 124.0
192	19.3	17.6 26.4

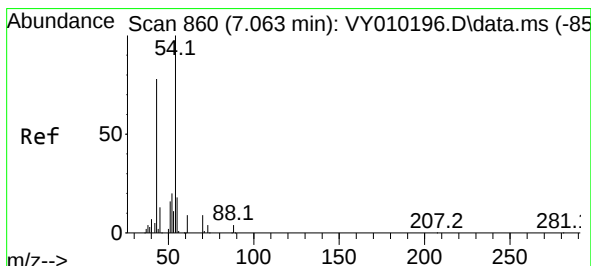
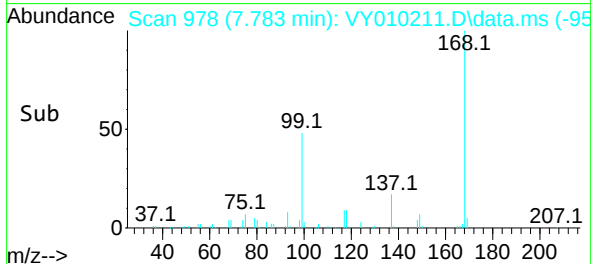
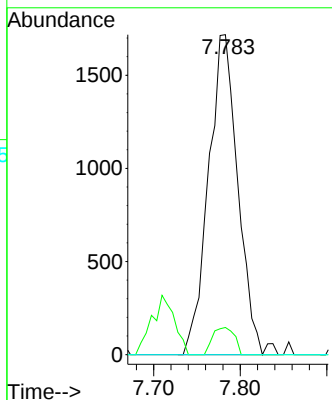
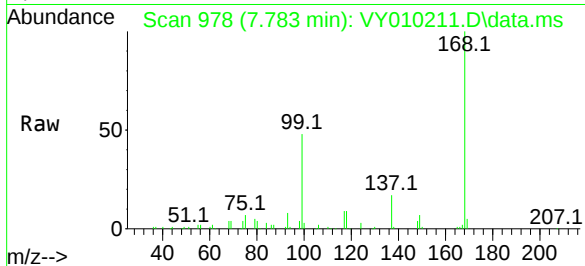




#36
1,1-Dichloropropene
Concen: 9.385 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

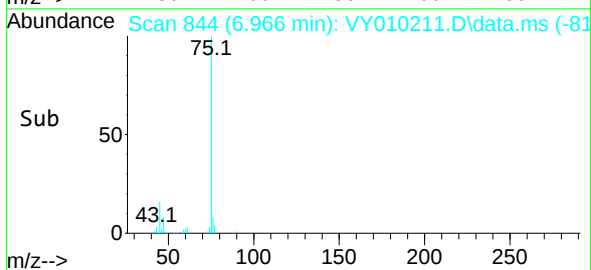
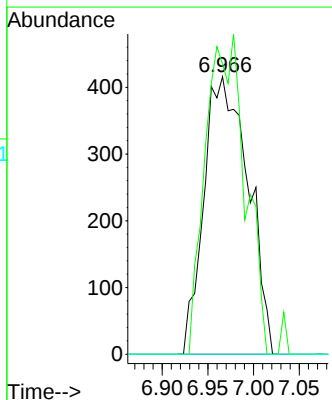
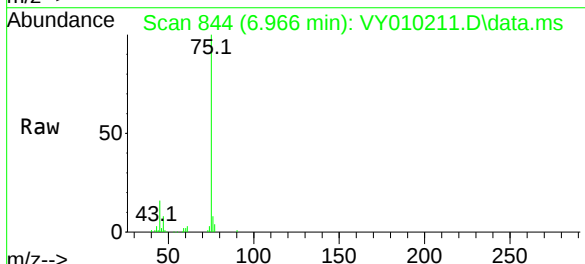
Instrument :
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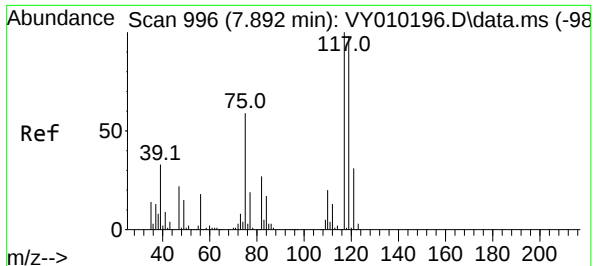
Tgt Ion: 75 Resp: 4068
Ion Ratio Lower Upper
75 100
110 6.3 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.049 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.097 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
61 103.2 9.7 14.5#
70 0.0 7.1 10.7#

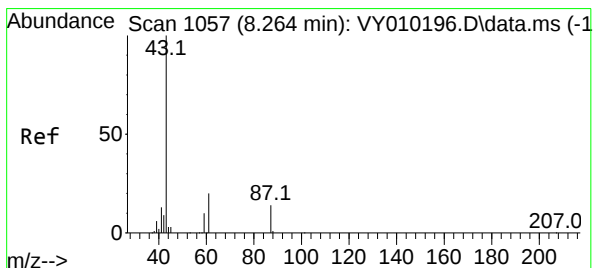
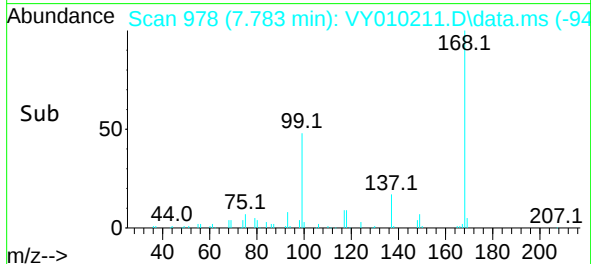
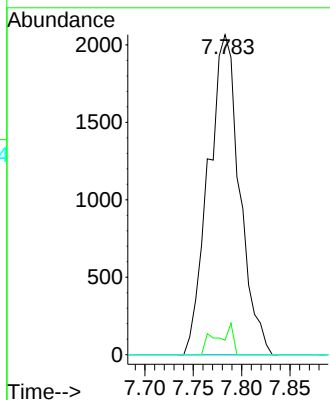
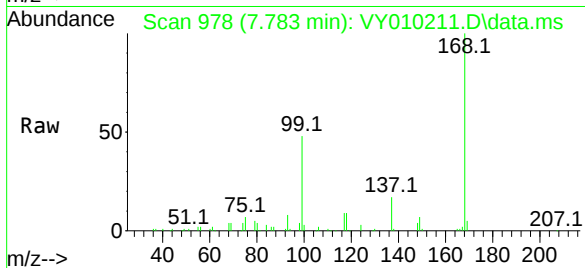




#38
Carbon Tetrachloride
Concen: 10.098 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

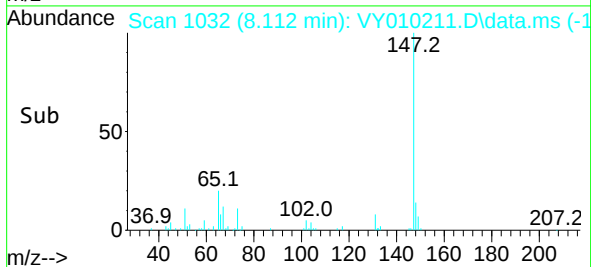
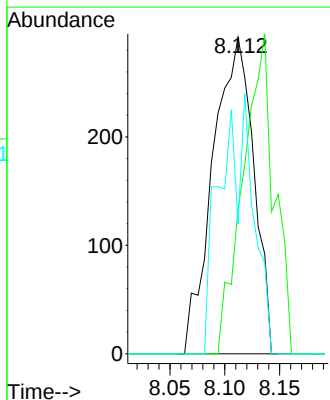
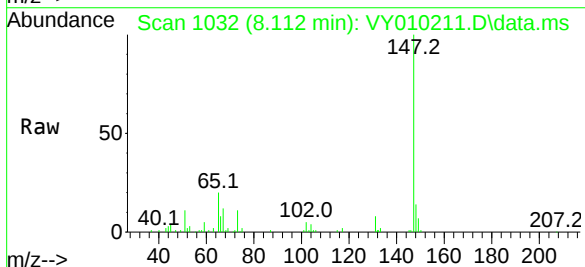
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-082322

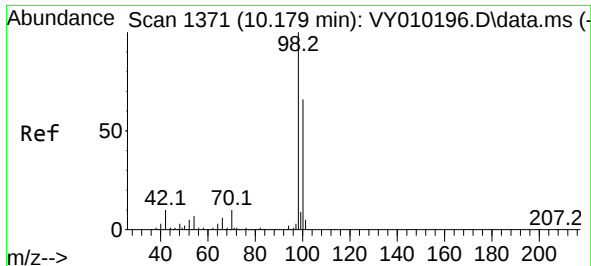
Tgt Ion:117 Resp: 4636
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.560 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.152 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 39.1 8.9 13.3#

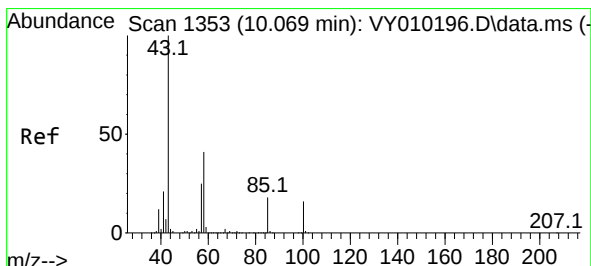
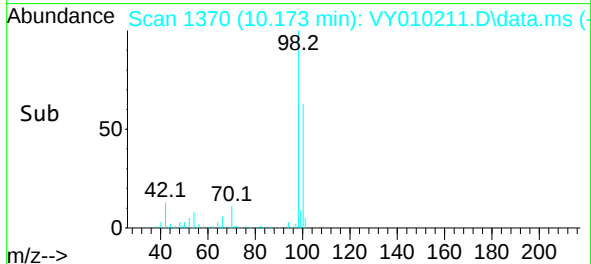
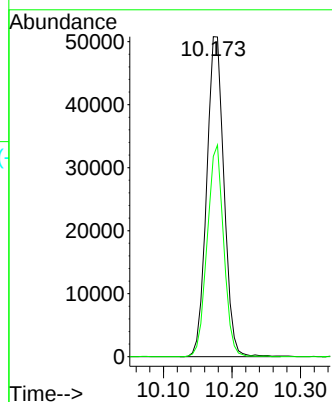
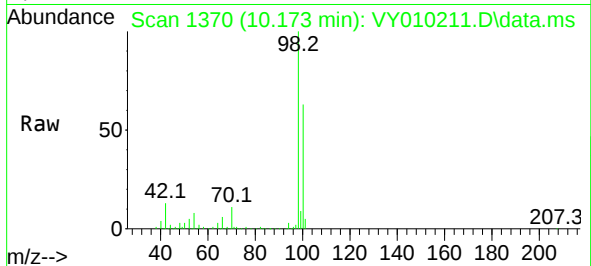




#50
Toluene-d8
Concen: 87.263 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

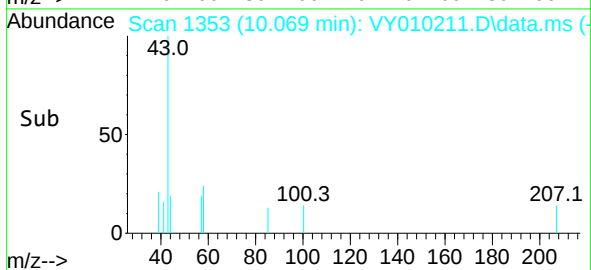
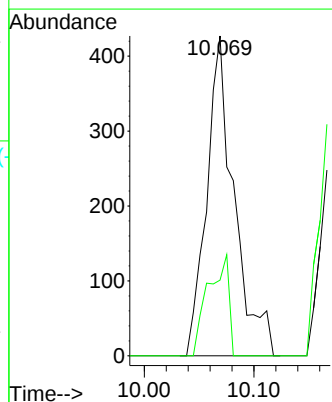
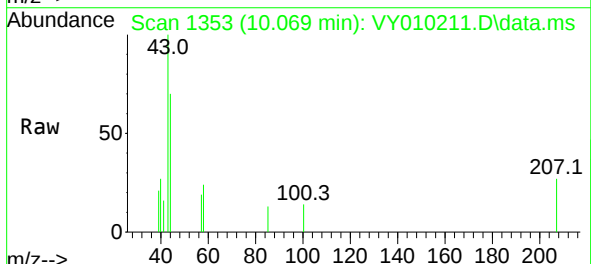
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-082322

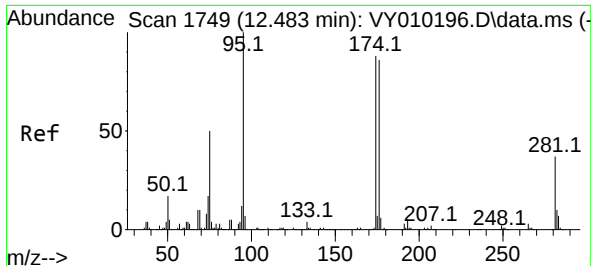
Tgt Ion: 98 Resp: 89249
Ion Ratio Lower Upper
98 100
100 63.1 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 2.806 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 23.9 28.1 42.1#

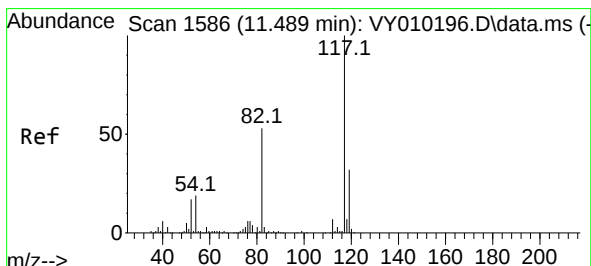
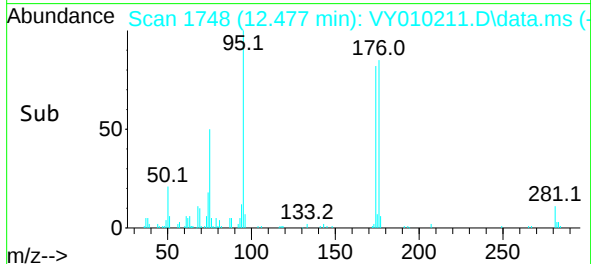
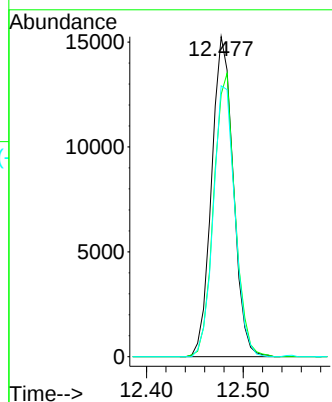
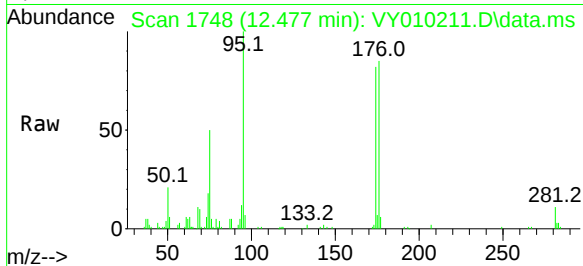




#62
4-Bromofluorobenzene
Concen: 60.650 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

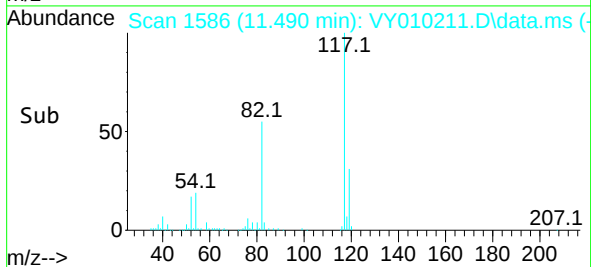
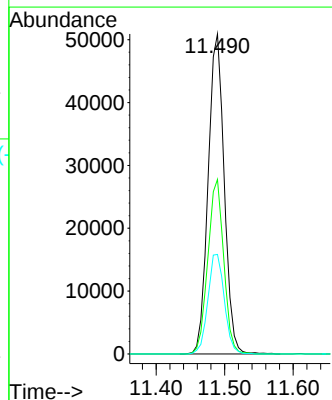
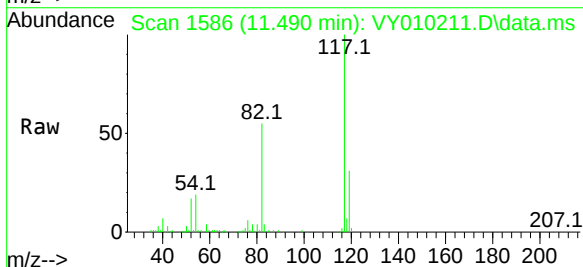
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-082322

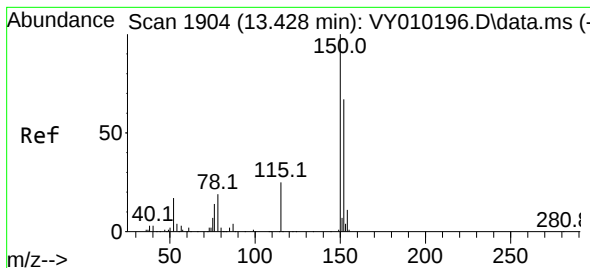
Tgt Ion: 95 Resp: 23764
Ion Ratio Lower Upper
95 100
174 87.0 0.0 177.0
176 84.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 117 Resp: 83062
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-082322

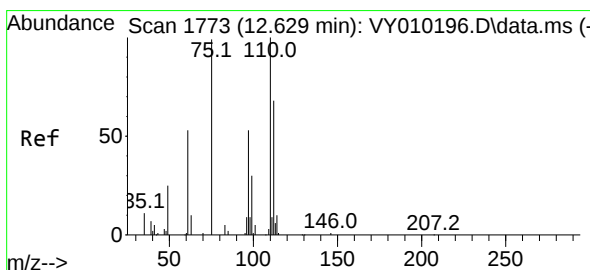
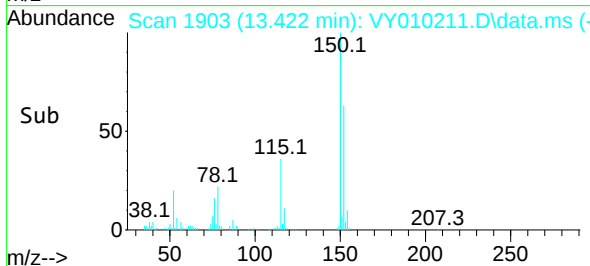
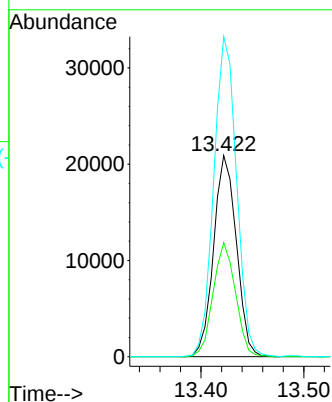
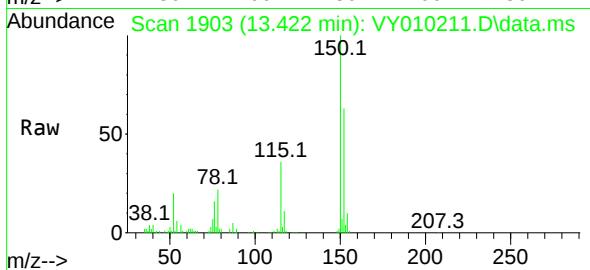
Tgt Ion:152 Resp: 32174

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.7

150 159.4 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 33.557 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010211.D

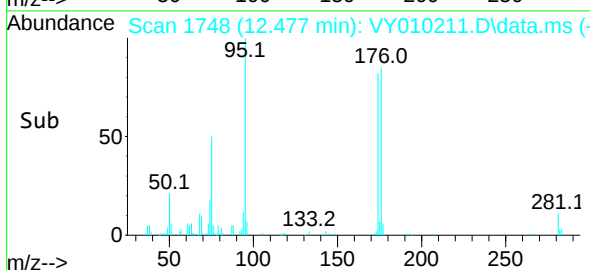
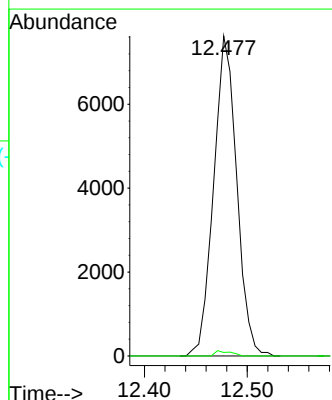
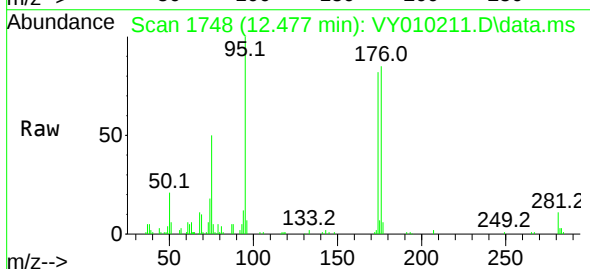
Acq: 25 Aug 2022 18:16

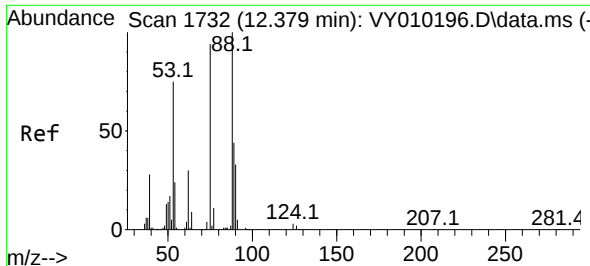
Tgt Ion: 75 Resp: 11891

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

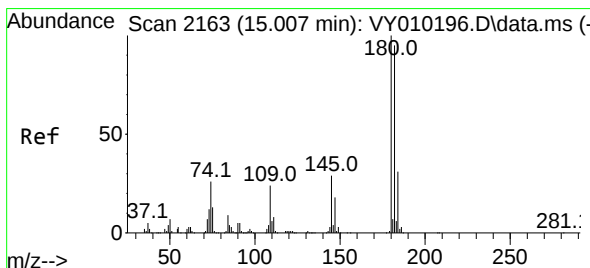
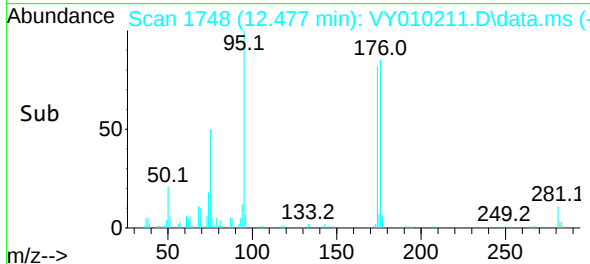
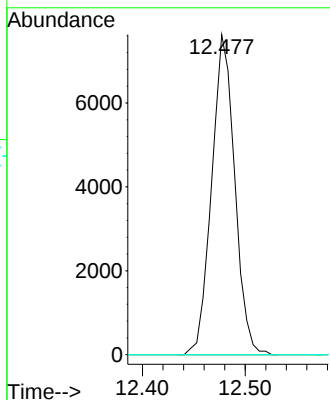
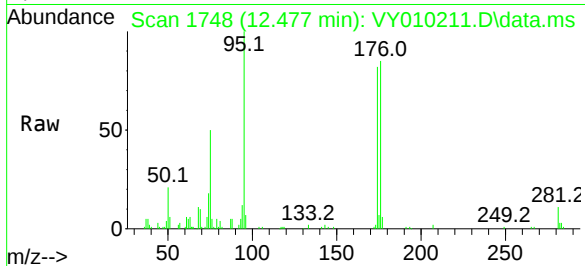




#81
trans-1,4-Dichloro-2-butene
Concen: 71.350 ug/l
RT: 12.477 min Scan# 11891
Delta R.T. 0.098 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

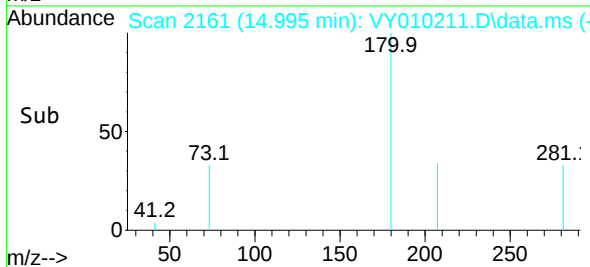
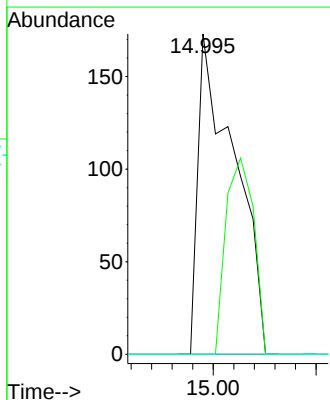
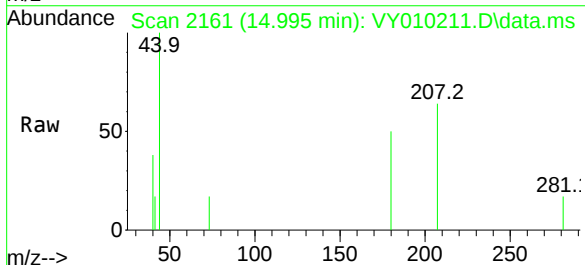
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-082322

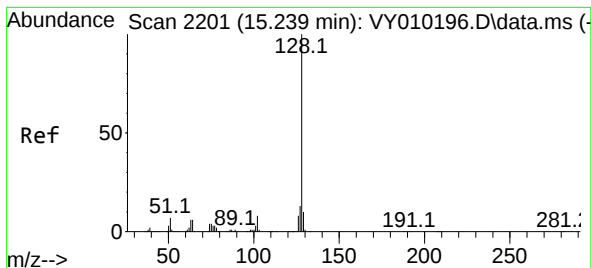
Tgt Ion: 75 Resp: 11891
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 4.906 ug/l
RT: 14.995 min Scan# 2161
Delta R.T. -0.012 min
Lab File: VY010211.D
Acq: 25 Aug 2022 18:16

Tgt Ion: 180 Resp: 214
Ion Ratio Lower Upper
180 100
182 46.7 47.3 141.9#
145 0.0 14.6 43.8#





#95

Naphthalene

Concen: 6.159 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-082322

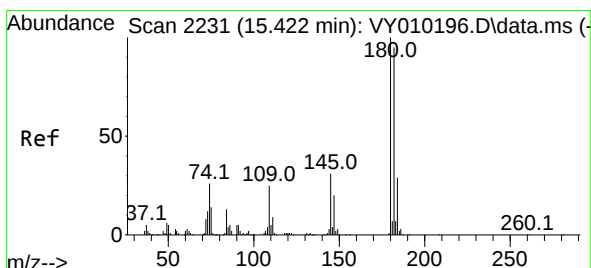
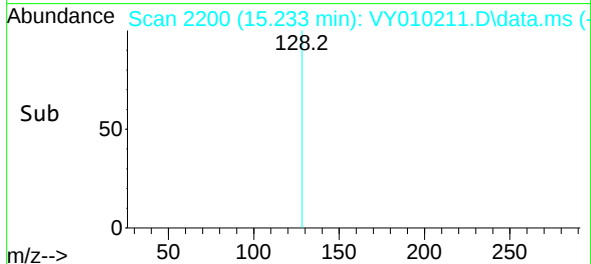
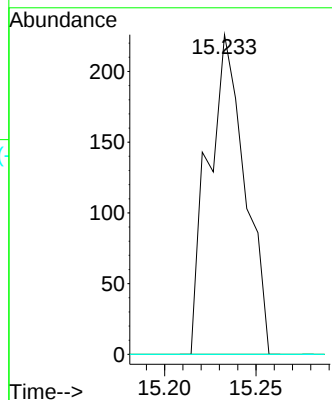
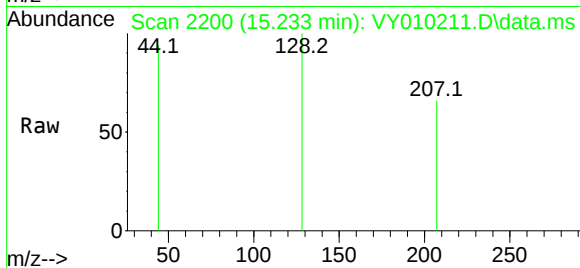
Tgt Ion:128 Resp: 317

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 4.711 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY010211.D

Acq: 25 Aug 2022 18:16

Tgt Ion:180 Resp: 50

Ion Ratio Lower Upper

180 100

182 106.0 47.3 141.9

145 0.0 15.3 45.9#

