

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009596.D
 Acq On : 19 Jul 2022 17:49
 Operator : KP/MD
 Sample : N3651-07
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-5-(12-18)

Quant Time: Jul 20 02:45:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

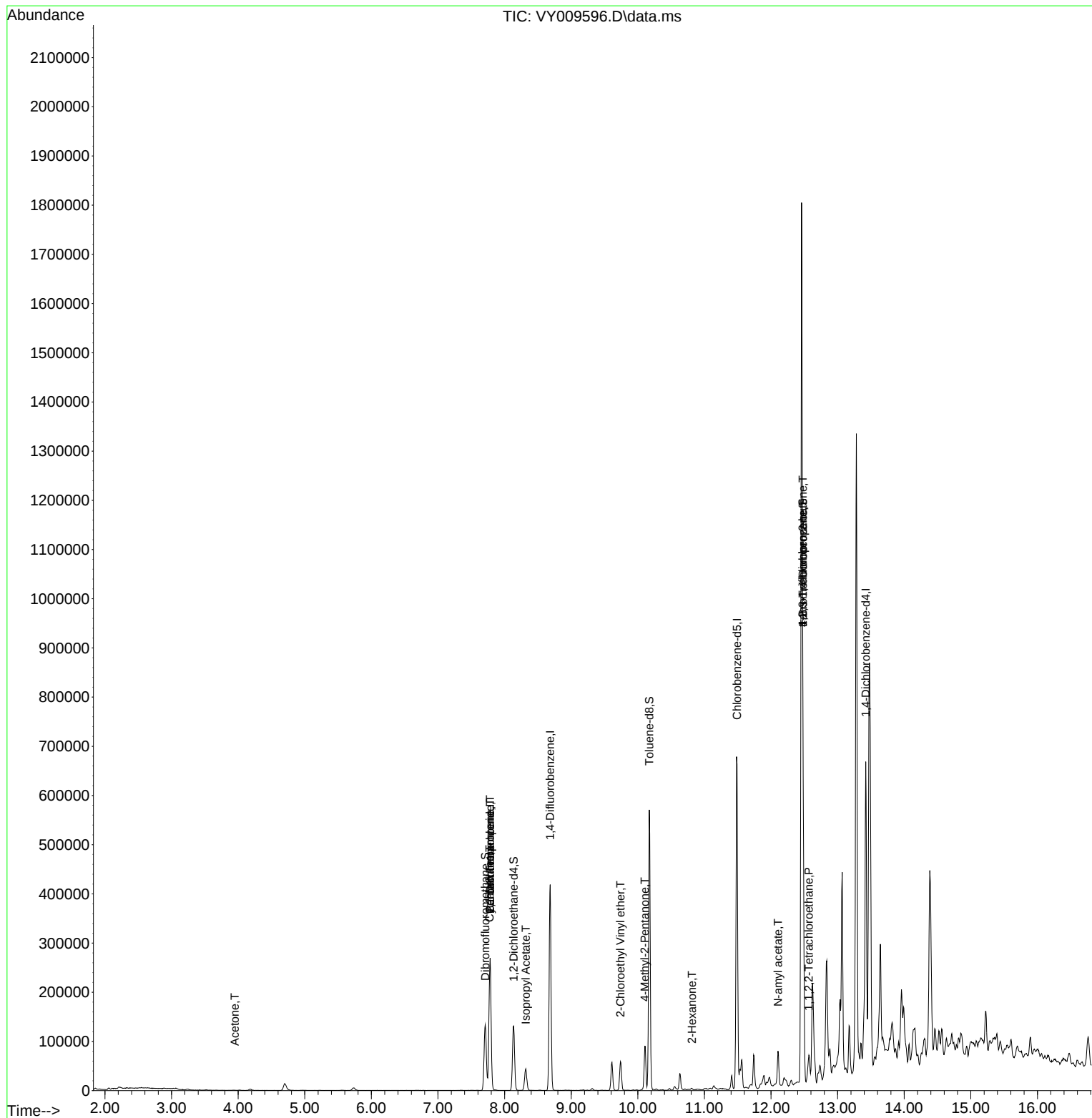
Internal Standards						
1) Pentafluorobenzene	7.783	168	222354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	346761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103087	49.021	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.040%
35) Dibromofluoromethane	7.710	113	97141	41.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.660%
50) Toluene-d8	10.173	98	371910	41.157	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	82.320%
62) 4-Bromofluorobenzene	12.477	95	125665	42.918	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	85.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	265	Below Cal	#	77
16) Acetone	3.948	43	877	1.649	ug/l	91
20) Methylene Chloride	4.704	84	10139	Below Cal	#	79
31) Cyclohexane	7.777	56	3883	1.047	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	14789	4.258	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	20329	5.591	ug/l	# 17
43) Isopropyl Acetate	8.319	43	8341	2.355	ug/l	# 56
51) 4-Methyl-2-Pentanone	10.106	43	10184	5.537	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.740	63	49	28.311	ug/l	# 48
59) 2-Hexanone	10.813	43	1844	1.441	ug/l	# 28
74) N-amyl acetate	12.105	43	12160	4.261	ug/l	# 77
75) 1,1,2,2-Tetrachloroethane	12.569	83	2458	1.144	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	62735	42.490	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	62735	83.781	ug/l	# 8

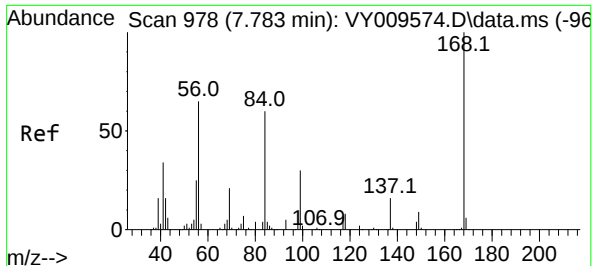
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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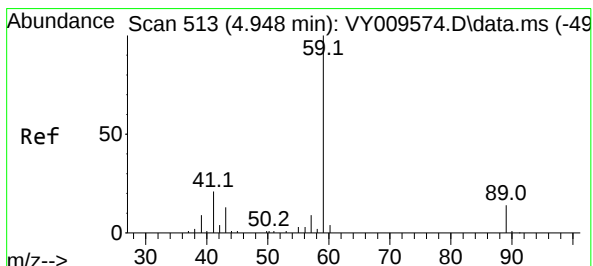
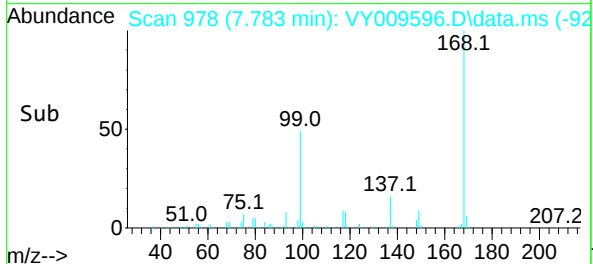
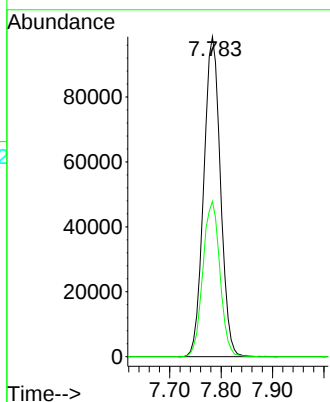
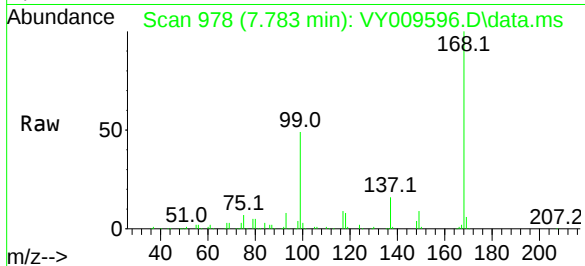




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

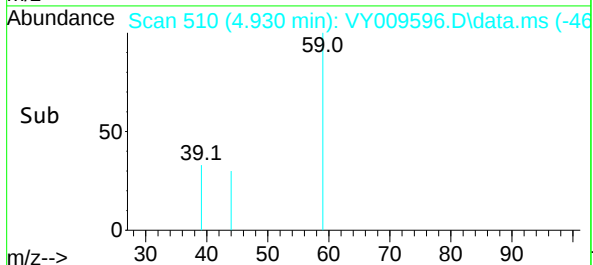
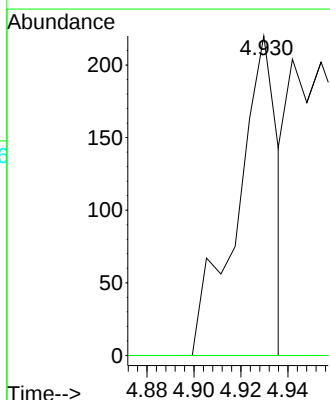
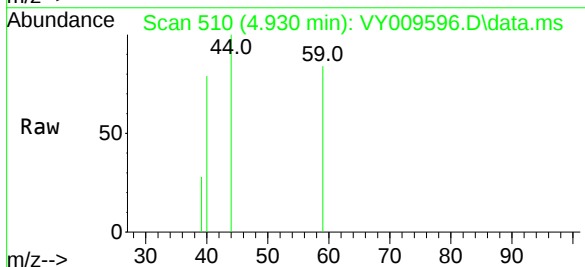
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

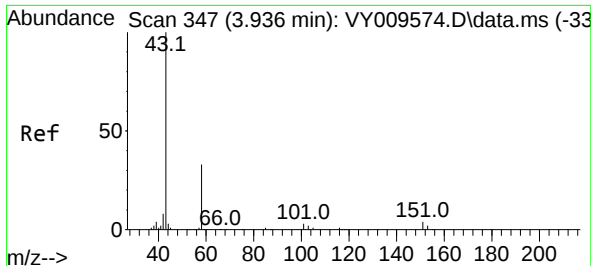
Tgt Ion:168 Resp: 222354
Ion Ratio Lower Upper
168 100
99 48.5 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

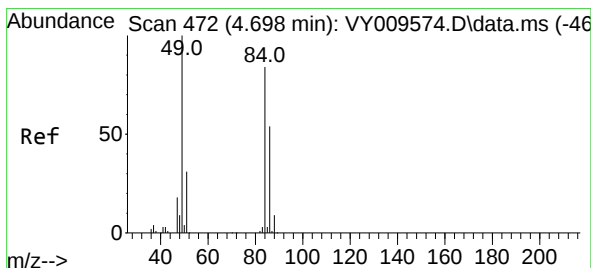
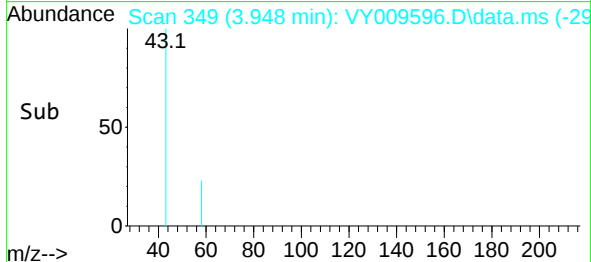
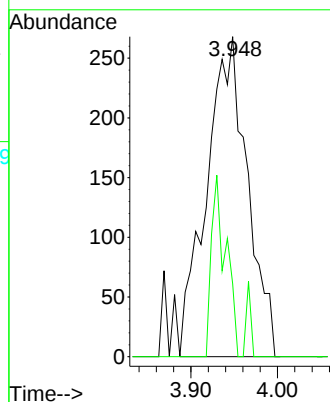
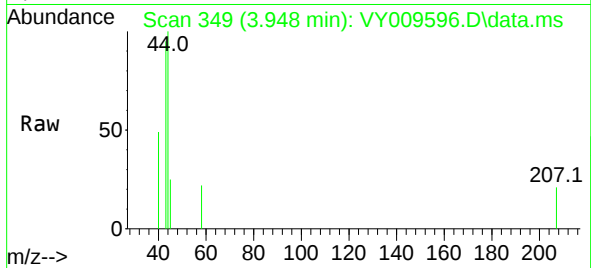




#16
Acetone
Concen: 1.649 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

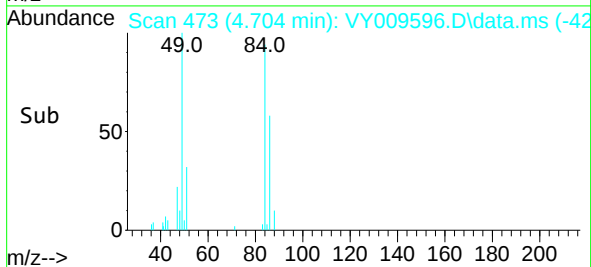
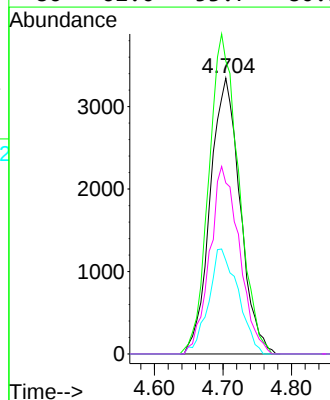
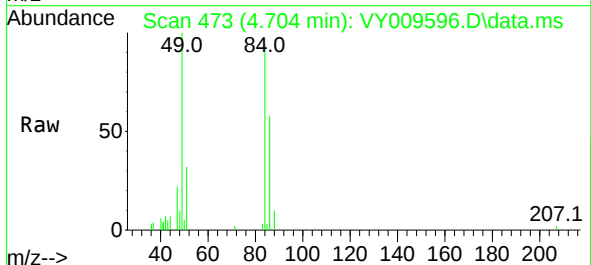
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

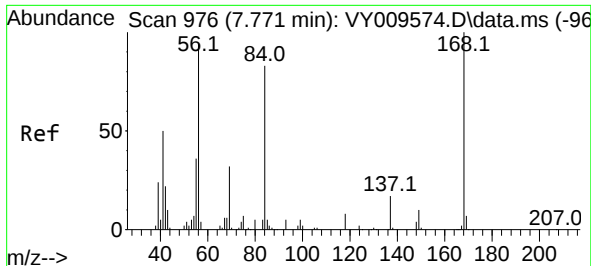
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 22.8 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 84 Resp: 10139
Ion Ratio Lower Upper
84 100
49 106.2 114.4 171.6#
51 33.9 35.3 52.9#
86 62.0 53.7 80.5

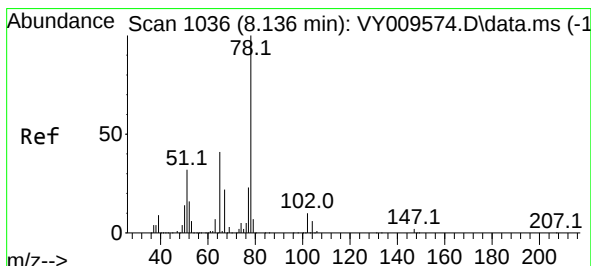
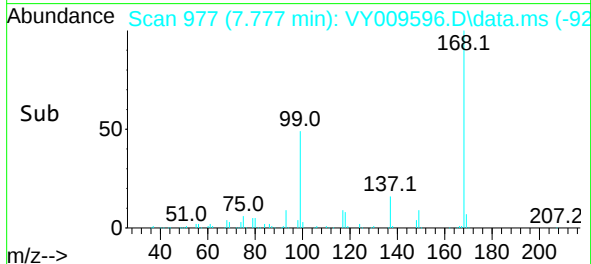
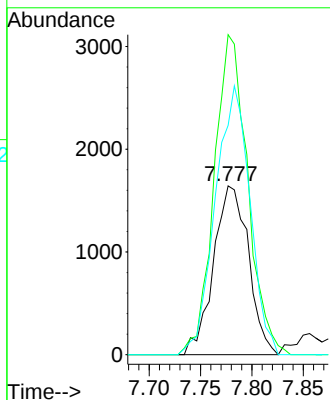
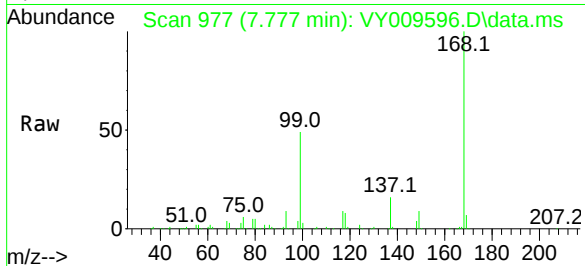




#31
Cyclohexane
Concen: 1.047 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

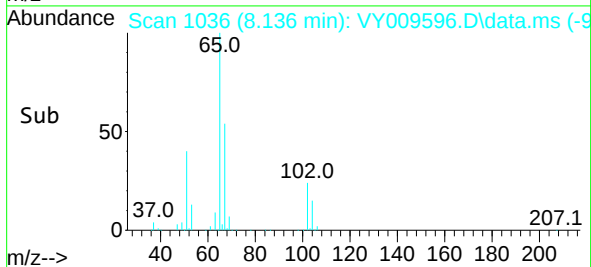
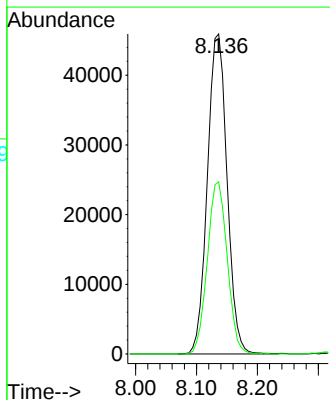
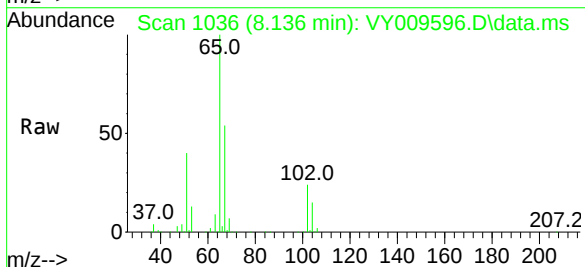
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

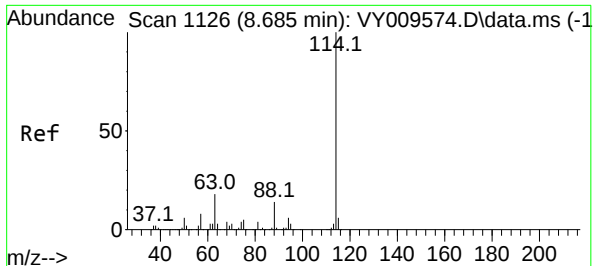
Tgt Ion: 56 Resp: 3883
Ion Ratio Lower Upper
56 100
69 189.5 26.7 40.1#
84 135.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.021 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 65 Resp: 103087
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4

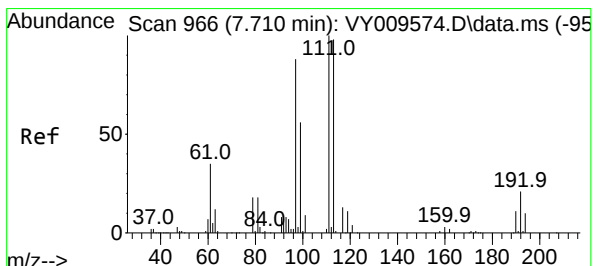
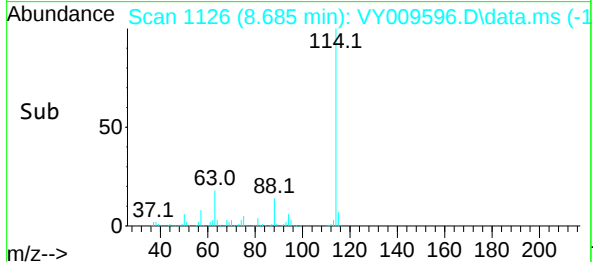
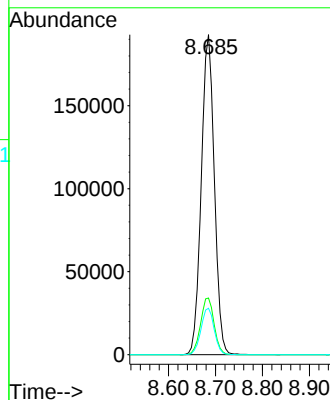
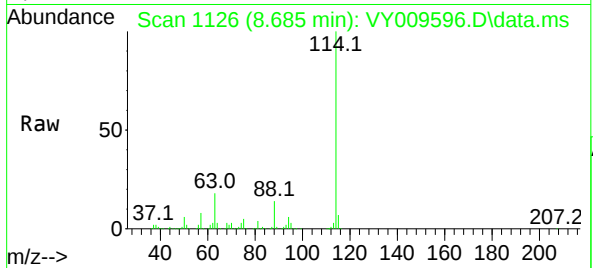




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

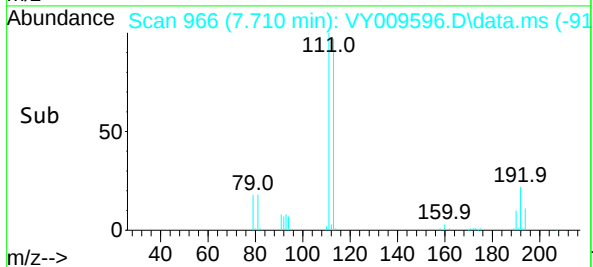
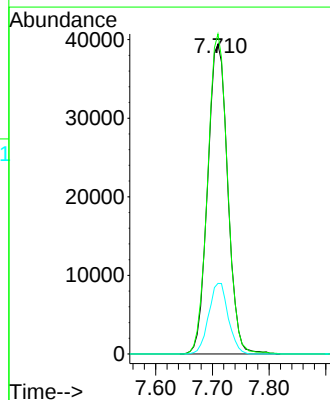
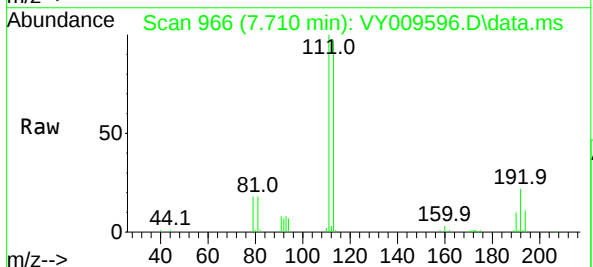
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

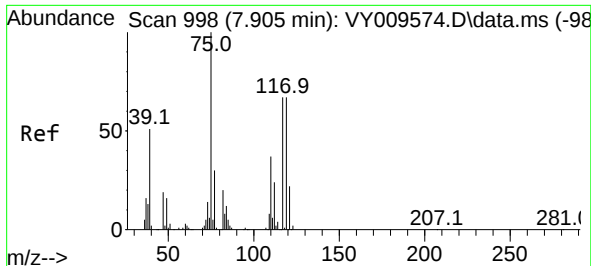
Tgt Ion:114 Resp: 373108
Ion Ratio Lower Upper
114 100
63 17.7 0.0 43.2
88 14.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 41.327 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion:113 Resp: 97141
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 22.1 17.6 26.4

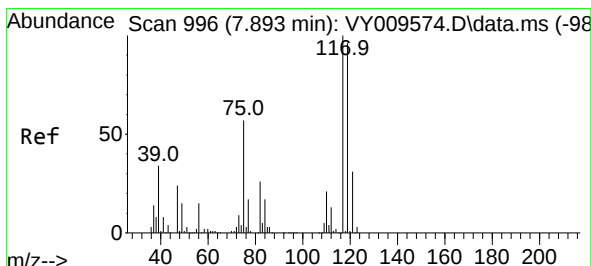
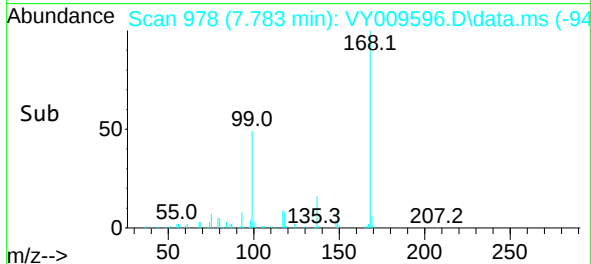
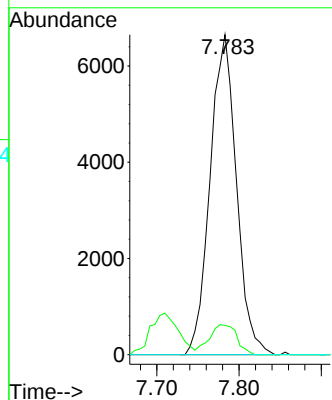
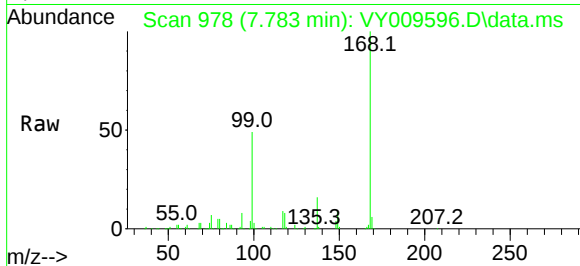




#36
1,1-Dichloropropene
Concen: 4.258 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

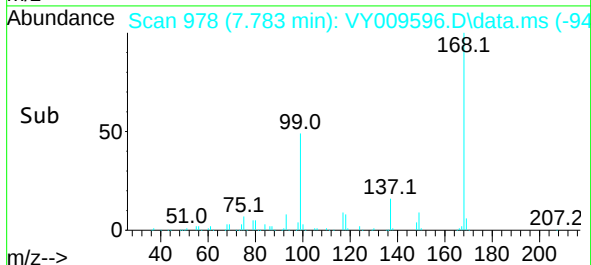
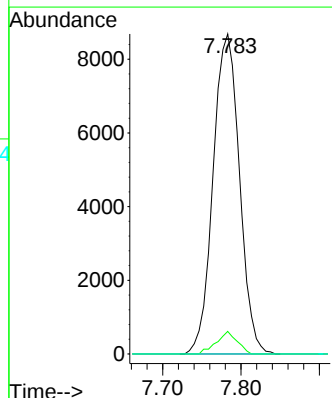
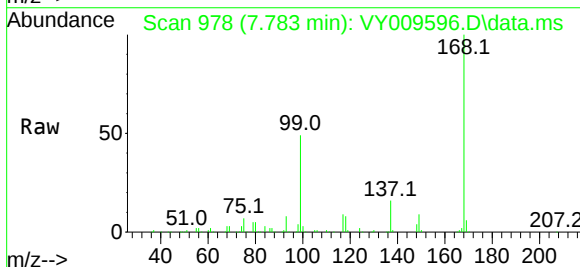
Instrument :
MSVOA_Y
ClientSampleId :
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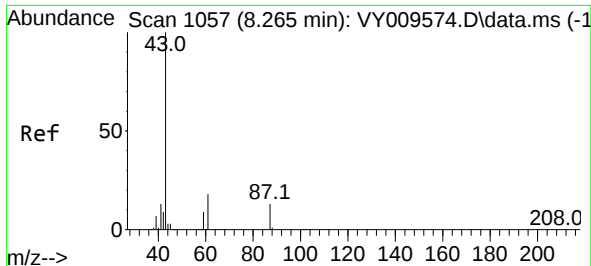
Tgt Ion: 75 Resp: 14789
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 117 Resp: 20329
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#

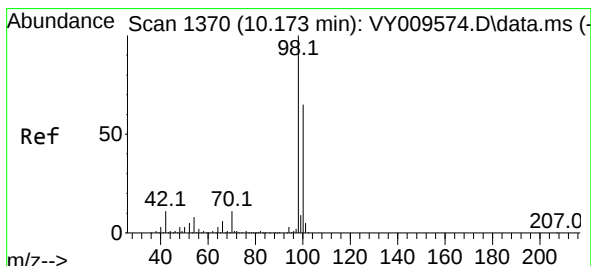
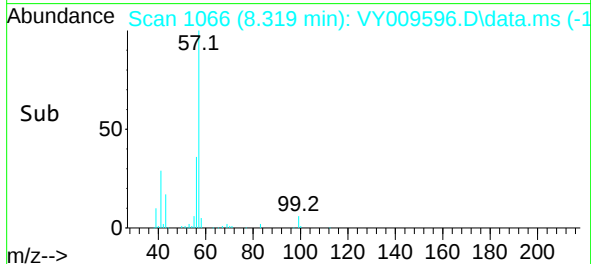
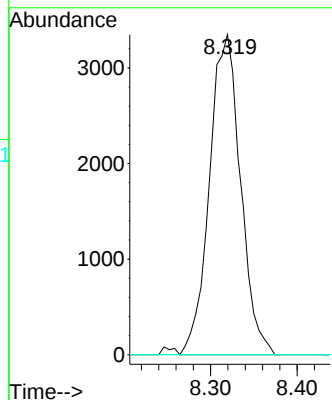
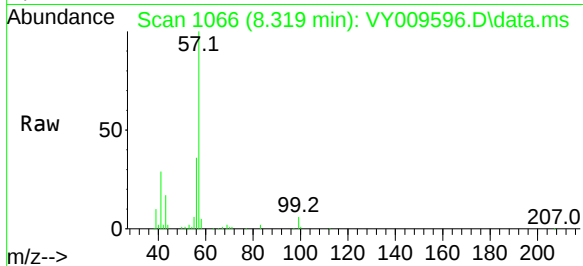




#43
Isopropyl Acetate
Concen: 2.355 ug/l
RT: 8.319 min Scan# 1066
Delta R.T. 0.055 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

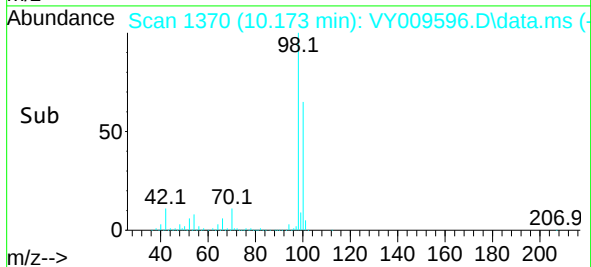
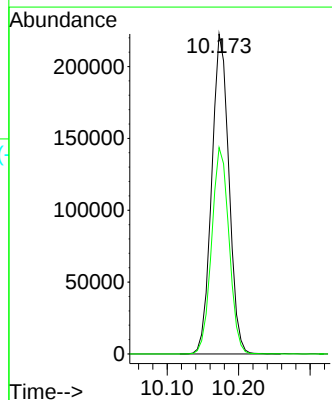
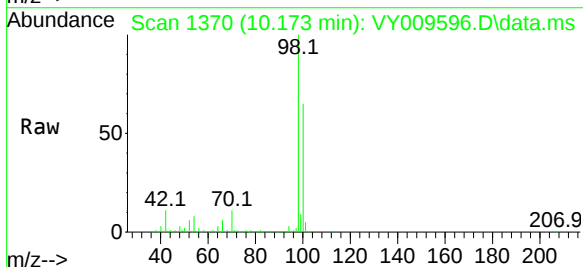
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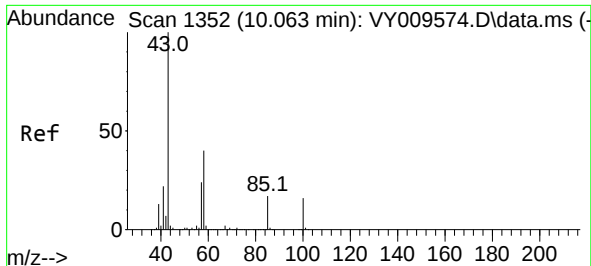
Tgt Ion: 43 Resp: 8341
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#50
Toluene-d8
Concen: 41.157 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 98 Resp: 371910
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

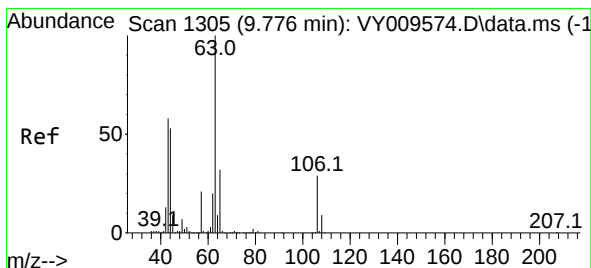
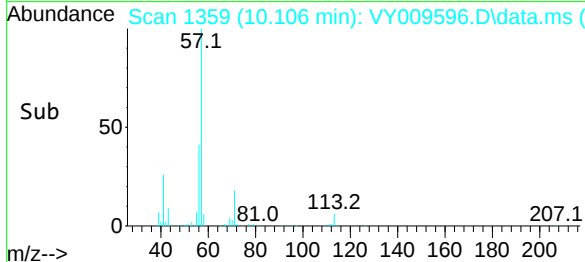
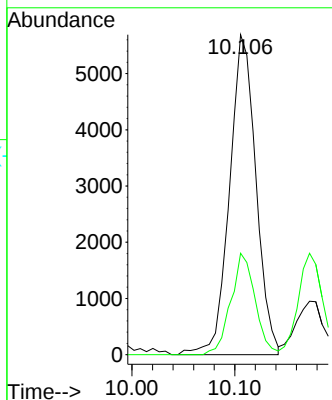
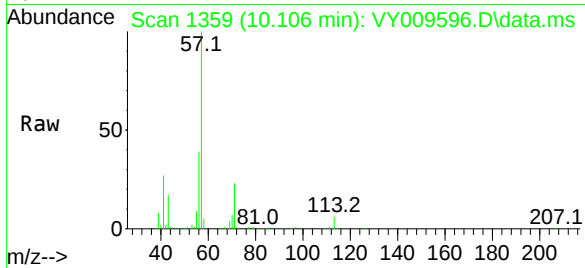




#51
4-Methyl-2-Pentanone
Concen: 5.537 ug/l
RT: 10.106 min Scan# 11
Delta R.T. 0.043 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

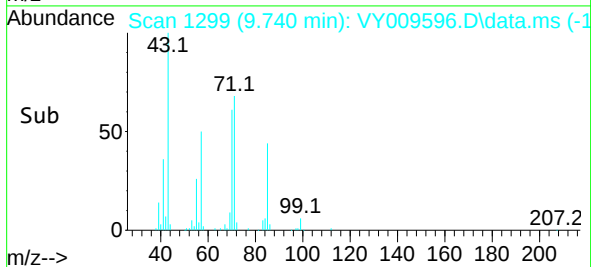
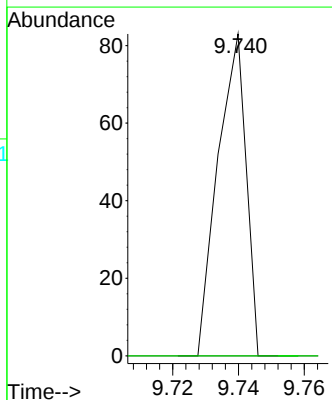
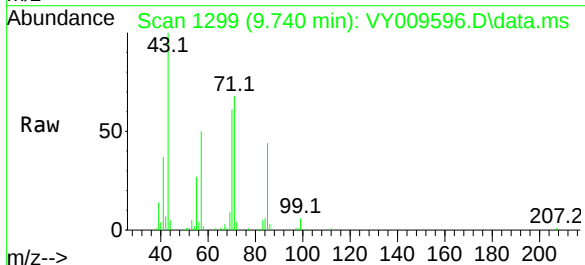
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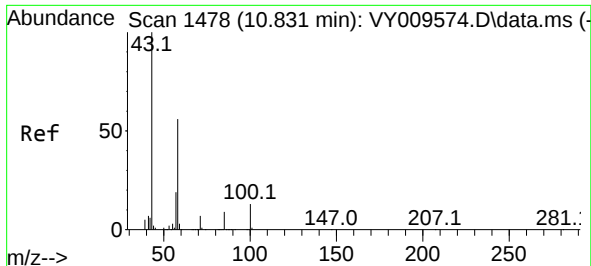
Tgt Ion: 43 Resp: 10184
Ion Ratio Lower Upper
43 100
58 29.1 28.1 42.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.311 ug/l
RT: 9.740 min Scan# 1299
Delta R.T. -0.036 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 63 Resp: 49
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

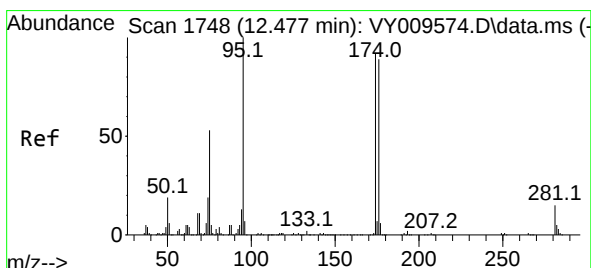
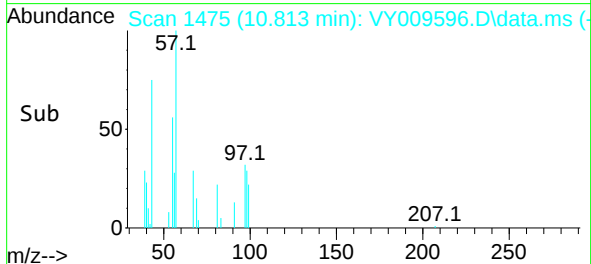
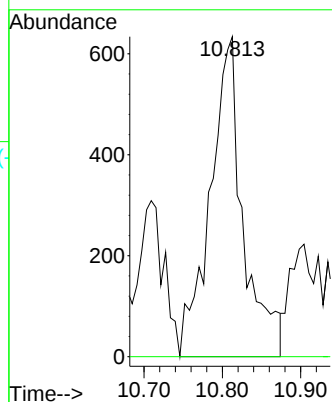
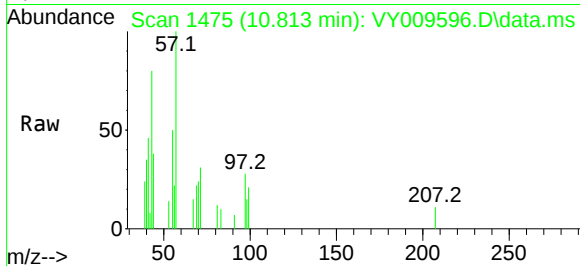




#59
2-Hexanone
Concen: 1.441 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

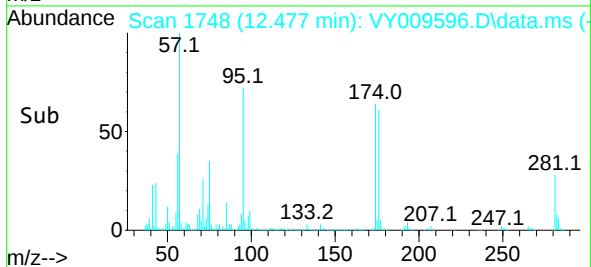
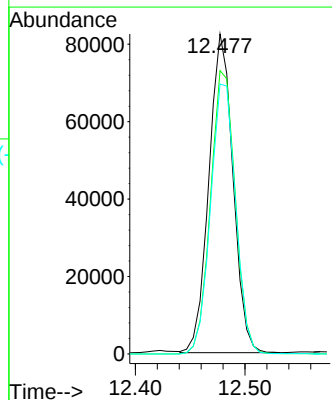
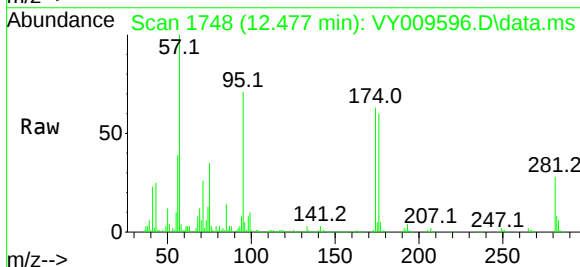
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

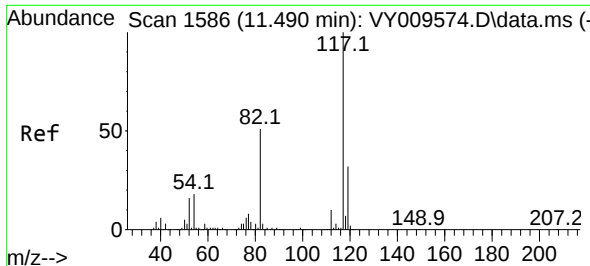
Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 42.918 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 95 Resp: 125665
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 88.4 0.0 175.8

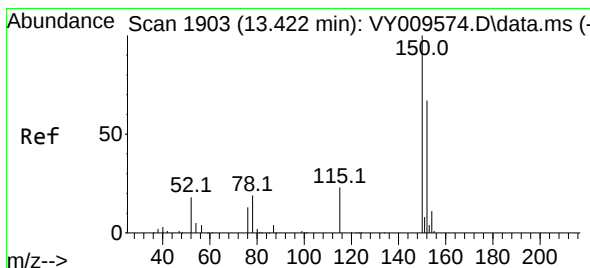
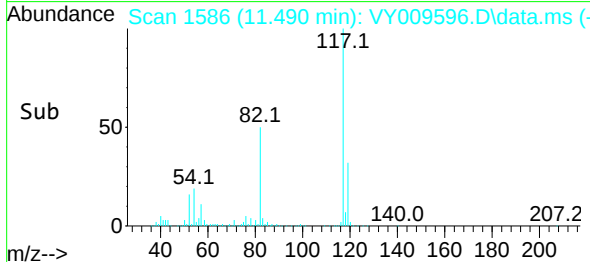
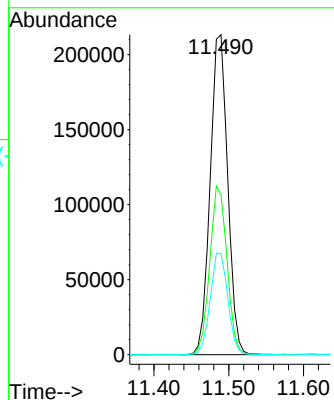
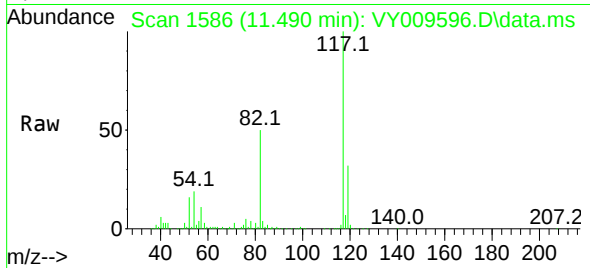




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

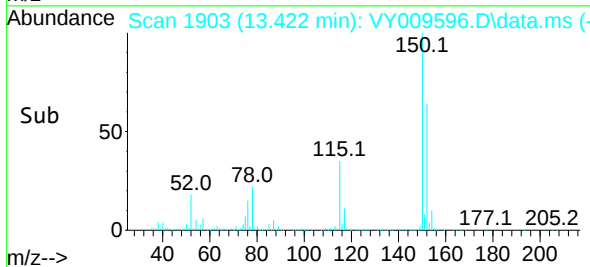
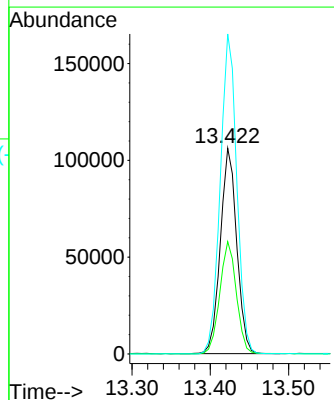
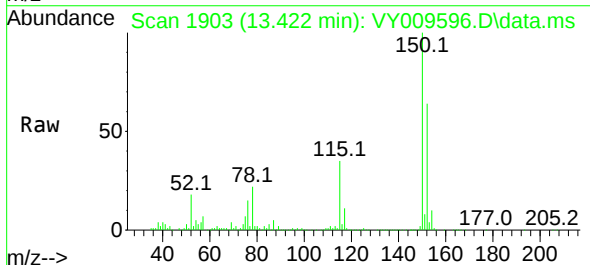
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

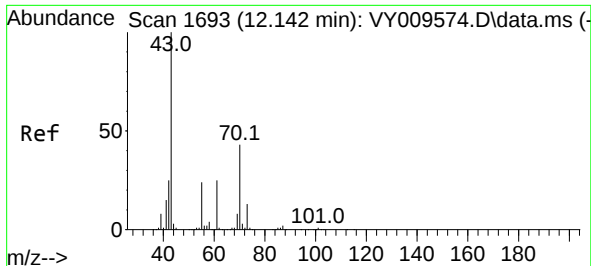
Tgt Ion:117 Resp: 346761
Ion Ratio Lower Upper
117 100
82 49.8 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion:152 Resp: 154992
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.7
150 156.7 0.0 347.6

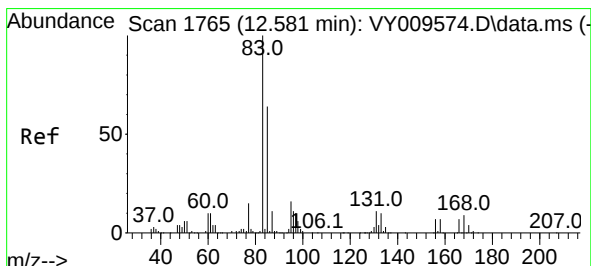
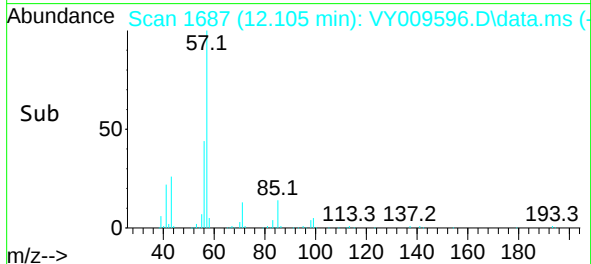
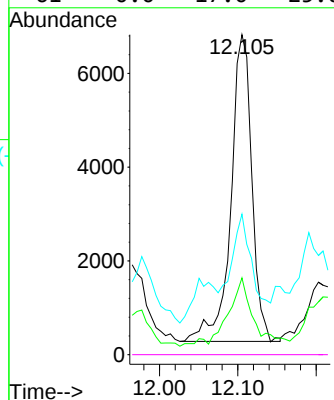
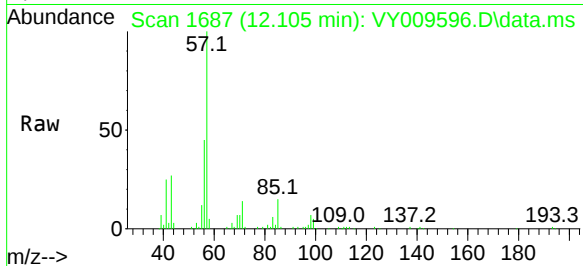




#74
N-amy1 acetate
Concen: 4.261 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

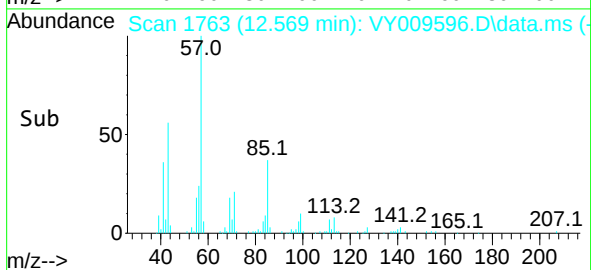
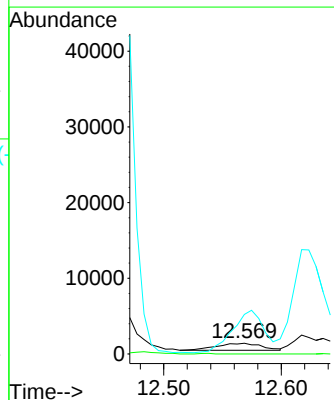
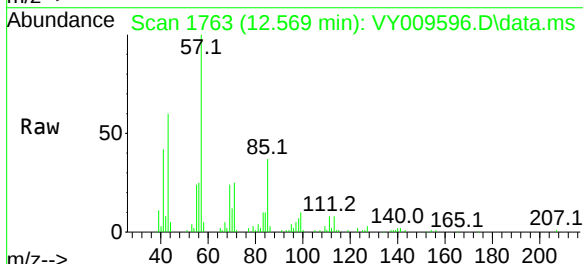
Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

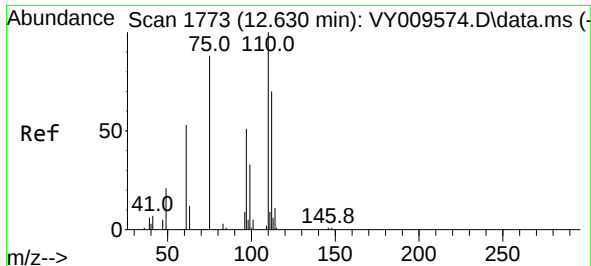
Tgt Ion:	43	Resp:	12160
Ion	Ratio	Lower	Upper
43	100		
70	27.7	28.7	43.1#
55	28.4	17.3	25.9#
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.144 ug/l
RT: 12.569 min Scan# 1763
Delta R.T. -0.012 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion:	83	Resp:	2458
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	420.7	32.3	96.8#

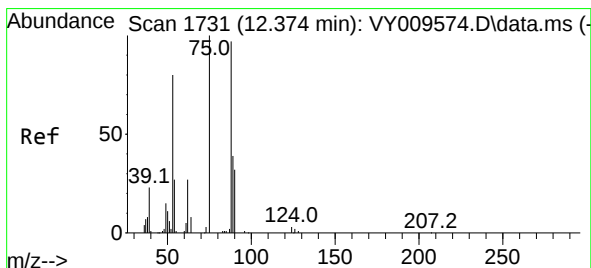
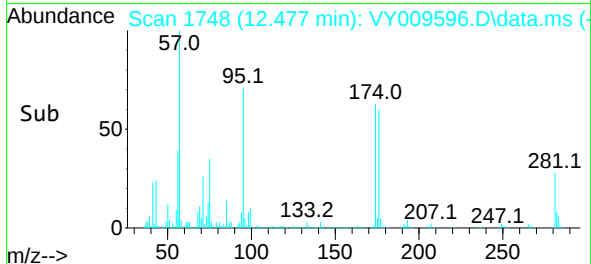
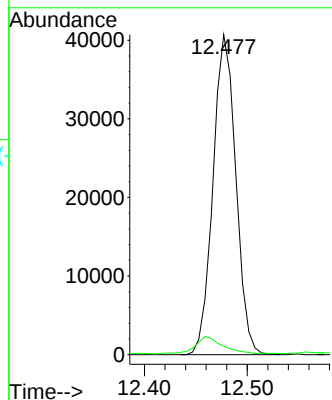
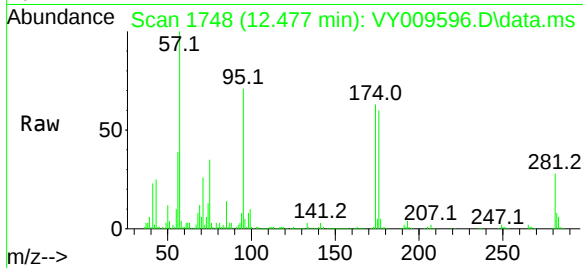




#76
1,2,3-Trichloropropane
Concen: 42.490 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :
SED-5-(12-18)

Tgt Ion: 75 Resp: 62735
Ion Ratio Lower Upper
75 100
77 6.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.781 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009596.D
Acq: 19 Jul 2022 17:49

Tgt Ion: 75 Resp: 62735
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.9 37.0 55.4#

