

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011732.D
 Acq On : 07 Dec 2022 14:40
 Operator : KP/MD
 Sample : N5900-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-120622

Quant Time: Dec 08 07:56:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

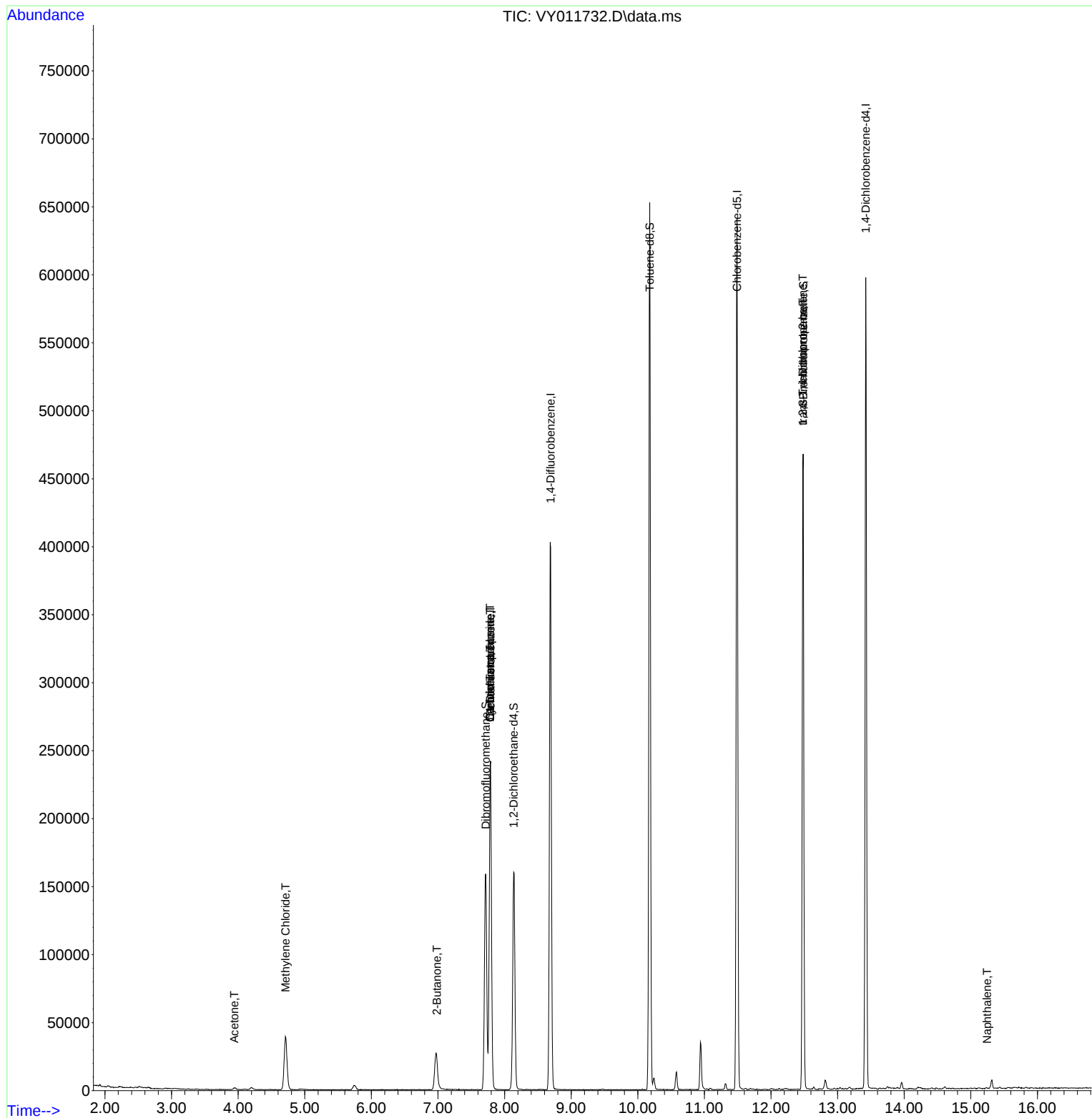
Internal Standards						
1) Pentafluorobenzene	7.789	168	187362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	343962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	152311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127515	67.026	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.060%	
35) Dibromofluoromethane	7.716	113	115374	54.274	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.540%	
50) Toluene-d8	10.179	98	421417	54.554	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.100%	
62) 4-Bromofluorobenzene	12.483	95	144468	50.582	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	25	Below Cal	#	43
3) Chloromethane	2.113	50	300	Below Cal	#	87
5) Bromomethane	2.662	94	215	Below Cal	#	77
11) Tert butyl alcohol	4.948	59	1029	Below Cal	#	77
16) Acetone	3.942	43	2562	4.146	ug/l	98
18) Methyl Acetate	4.491	43	394	Below Cal	#	56
20) Methylene Chloride	4.710	84	29214	2.323	ug/l	87
25) 2-Butanone	6.984	43	1449	1.784	ug/l #	54
31) Cyclohexane	7.783	56	3845	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14678	4.417	ug/l #	51
38) Carbon Tetrachloride	7.783	117	18781	5.052	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	74804	45.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74804	99.889	ug/l #	7
95) Naphthalene	15.245	128	530	4.110	ug/l #	69

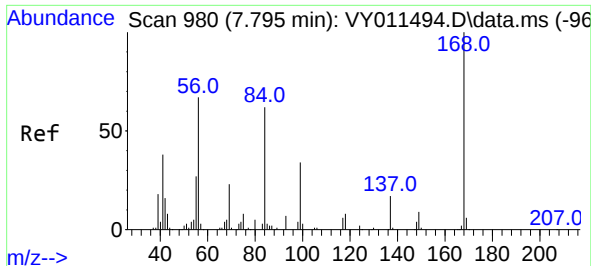
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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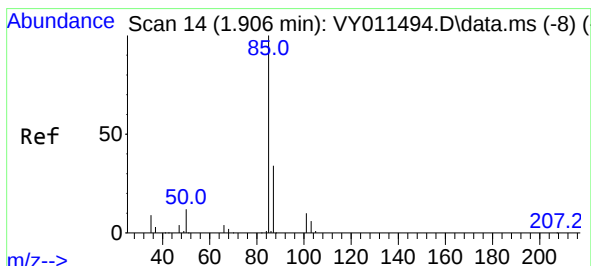
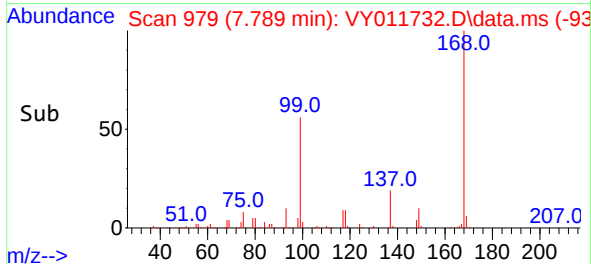
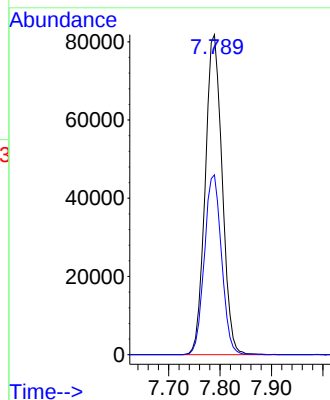
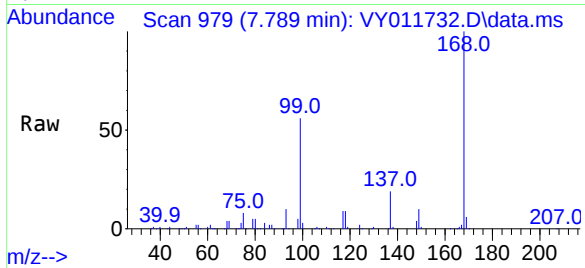




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

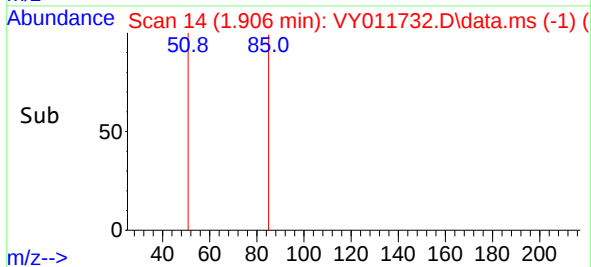
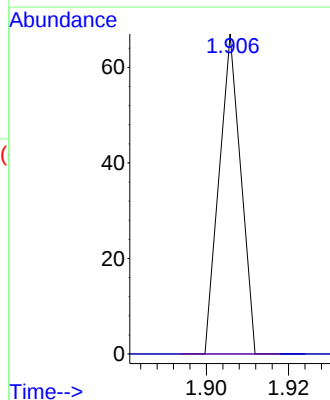
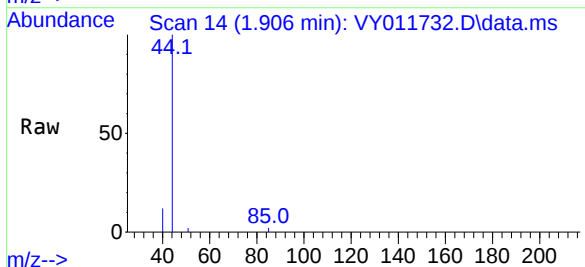
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

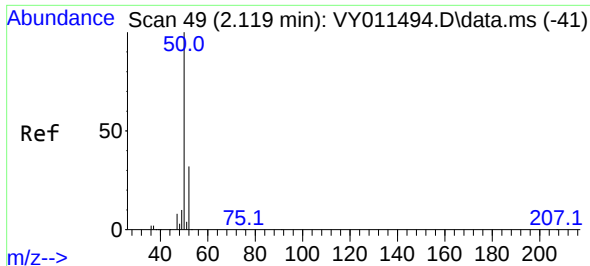
Tgt Ion:168 Resp: 187362
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

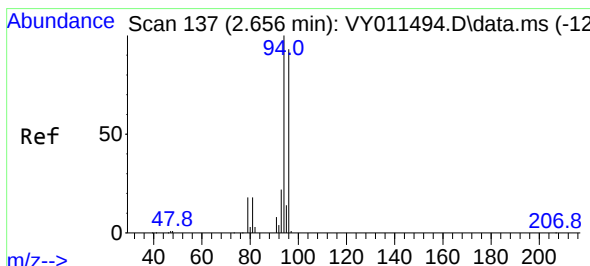
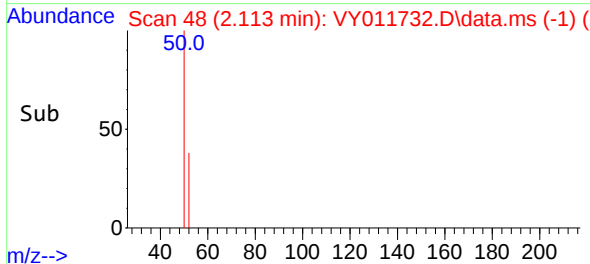
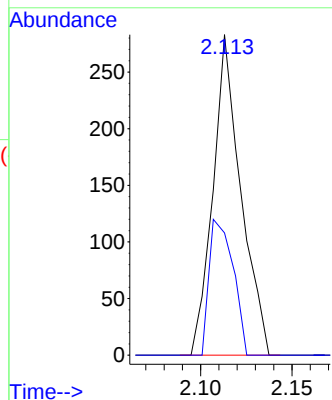
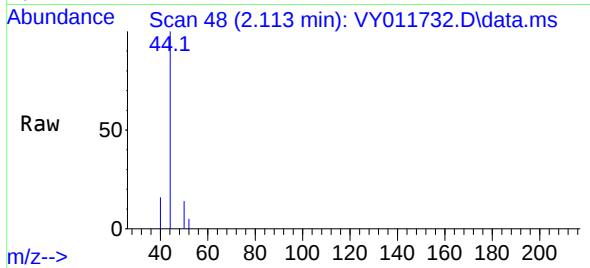




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

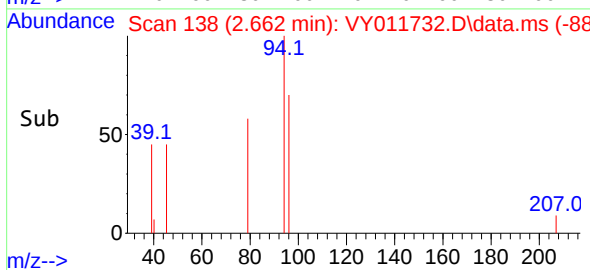
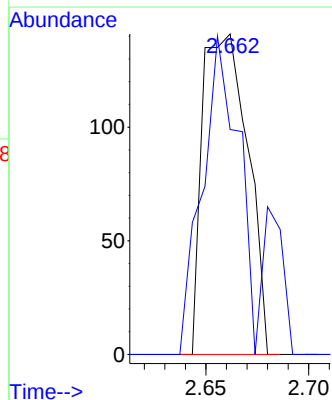
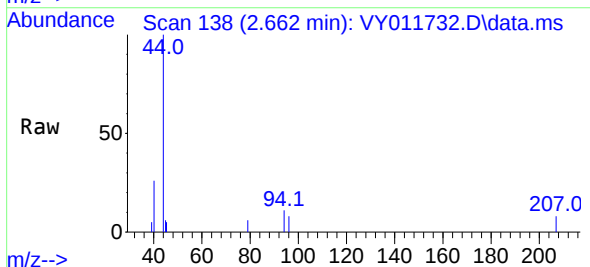
Instrument :
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ClientSampleId :
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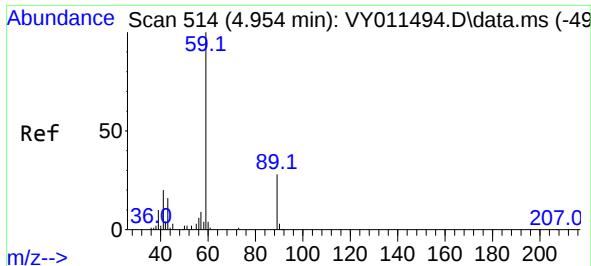
Tgt Ion: 50 Resp: 300
Ion Ratio Lower Upper
50 100
52 38.2 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 70.2 73.5 110.3#

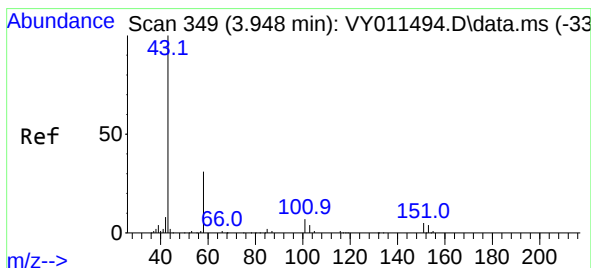
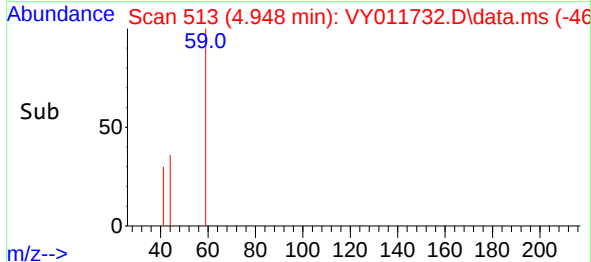
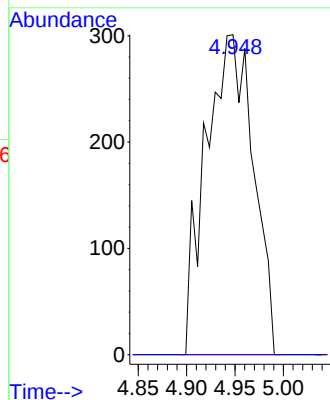
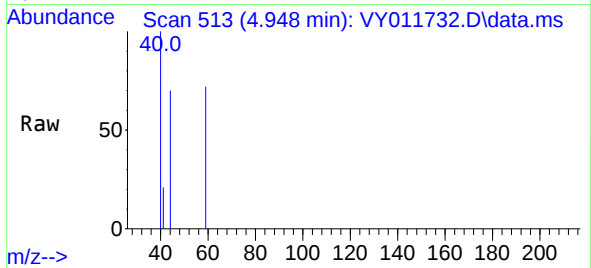




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

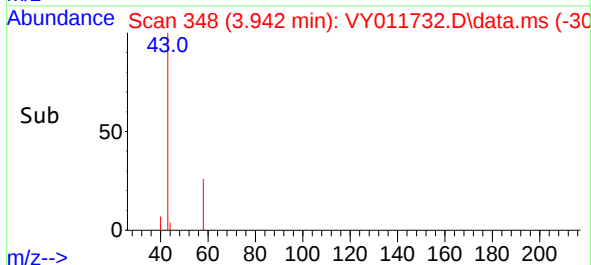
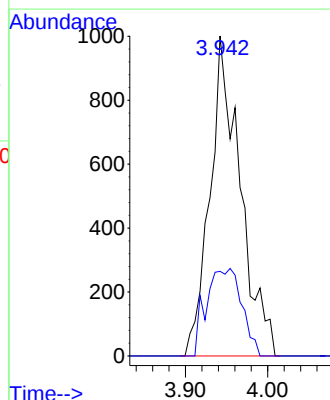
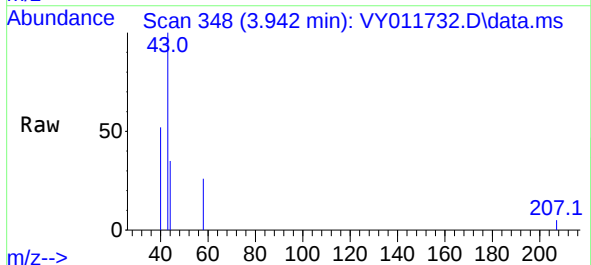
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

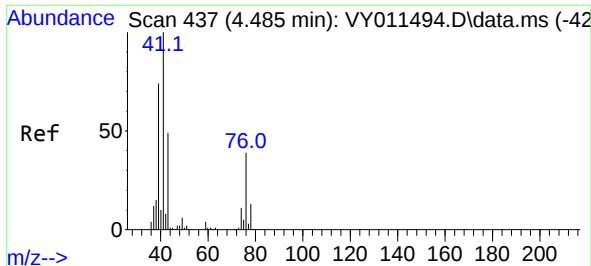
Tgt Ion: 59 Resp: 1029
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 4.146 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 43 Resp: 2562
Ion Ratio Lower Upper
43 100
58 26.5 22.0 33.0

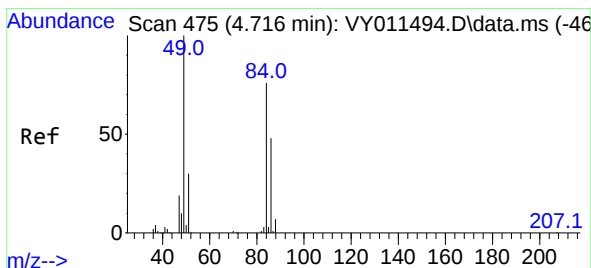
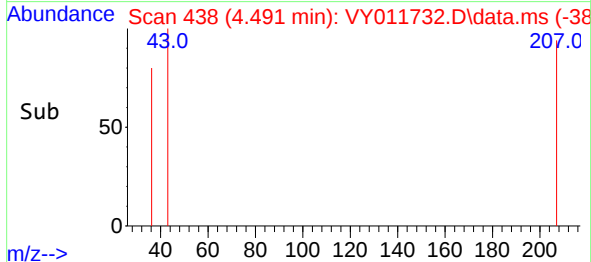
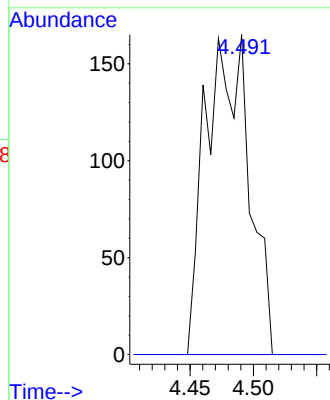
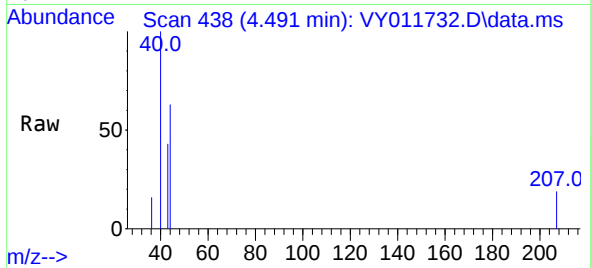




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

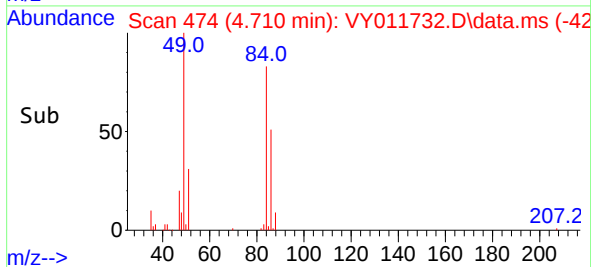
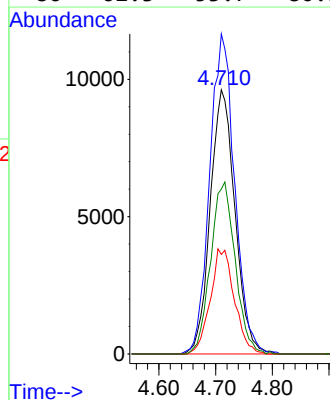
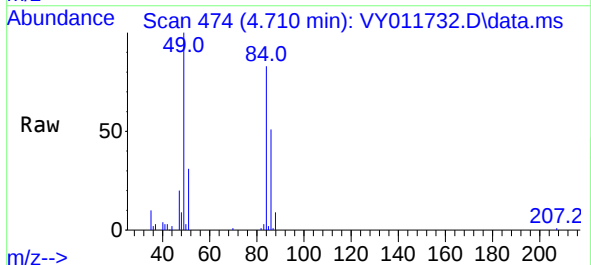
Instrument :
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CL-02-120622

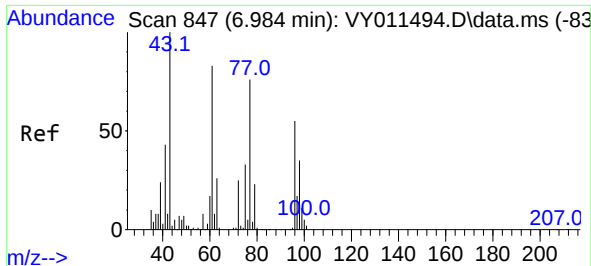
Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 2.323 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 84 Resp: 29214
Ion Ratio Lower Upper
84 100
49 121.1 114.4 171.6
51 37.7 35.3 52.9
86 62.3 53.7 80.5

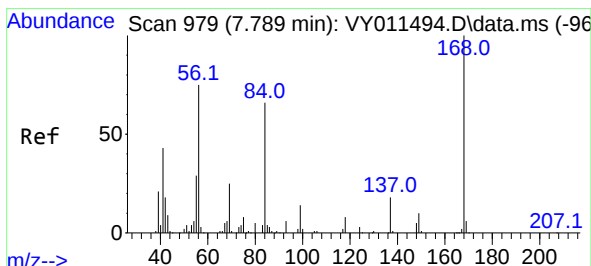
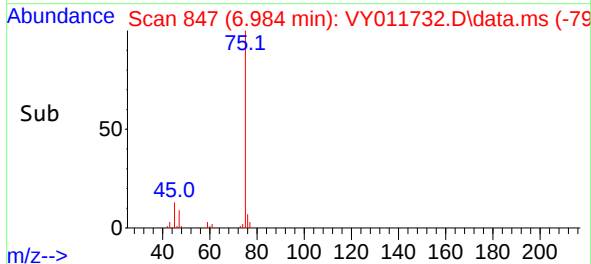
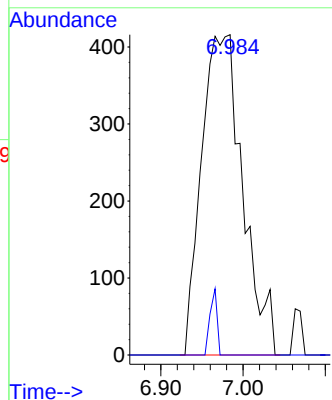
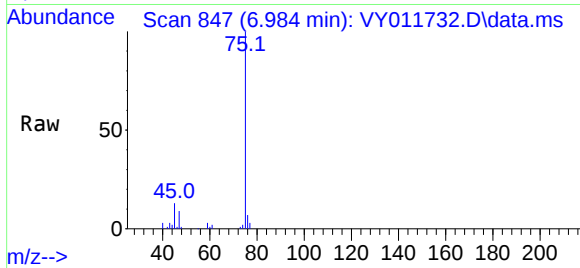




#25
2-Butanone
Concen: 1.784 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

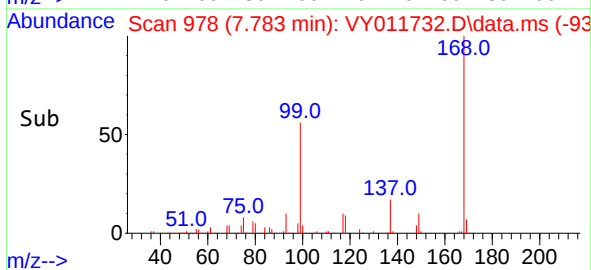
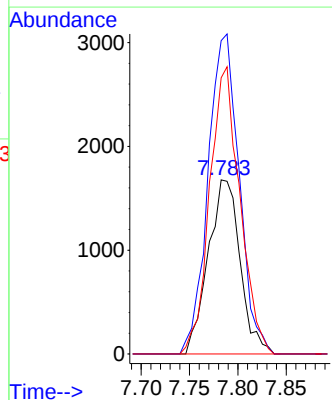
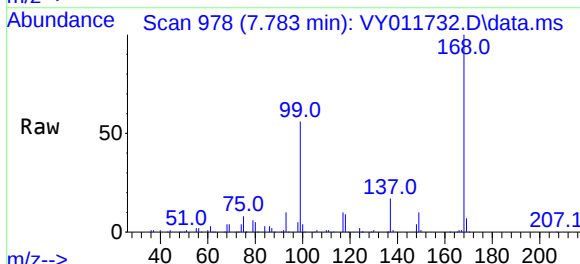
Instrument :
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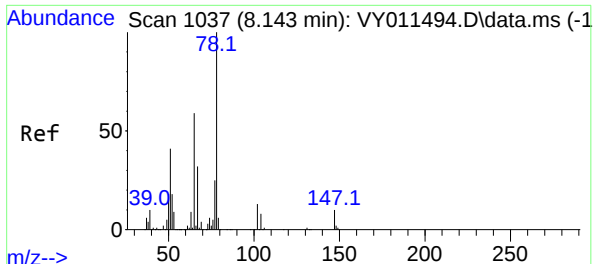
Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 56 Resp: 3845
Ion Ratio Lower Upper
56 100
69 180.0 26.7 40.1#
84 158.6 67.2 100.8#

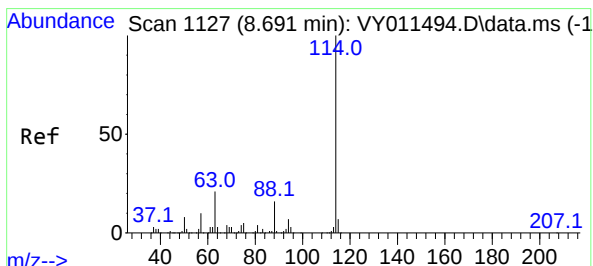
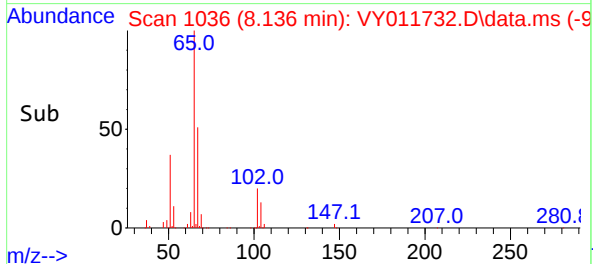
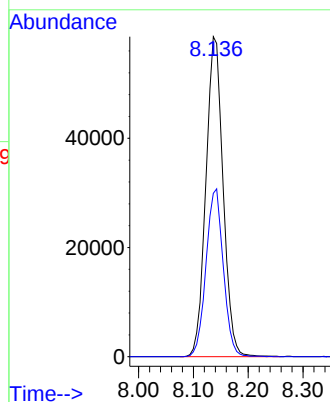
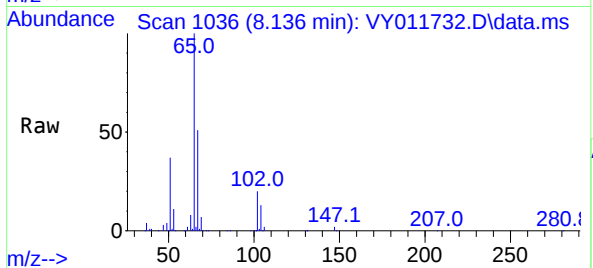




#33
1,2-Dichloroethane-d4
Concen: 67.026 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

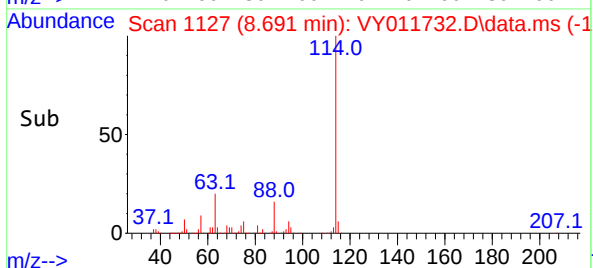
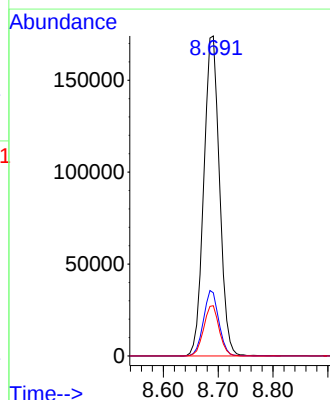
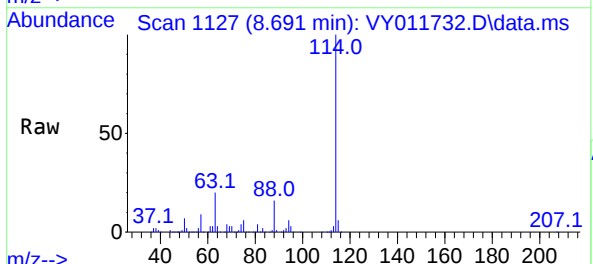
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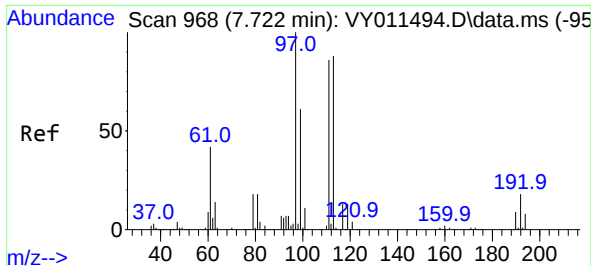
Tgt Ion: 65 Resp: 127515
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion:114 Resp: 345319
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.2
88 15.7 0.0 31.8

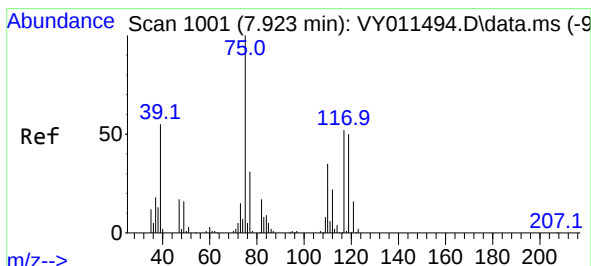
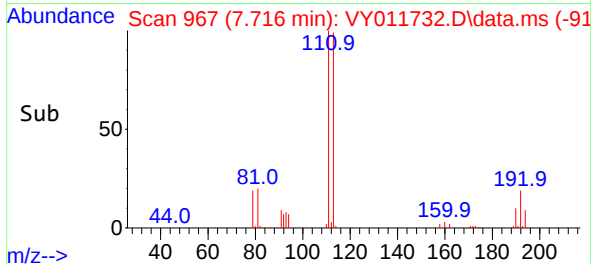
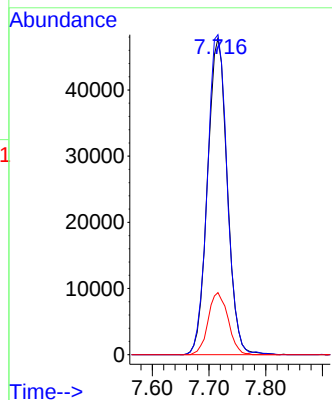
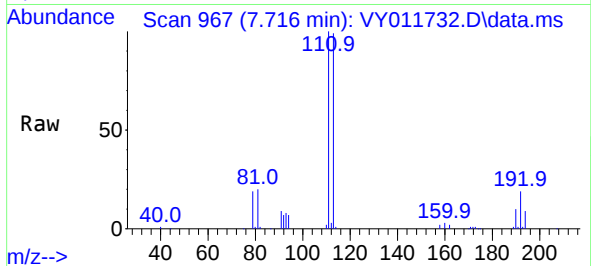




#35
Dibromofluoromethane
Concen: 54.274 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

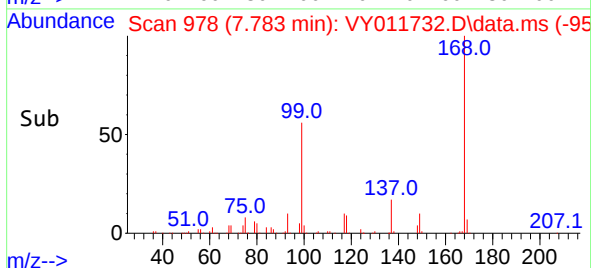
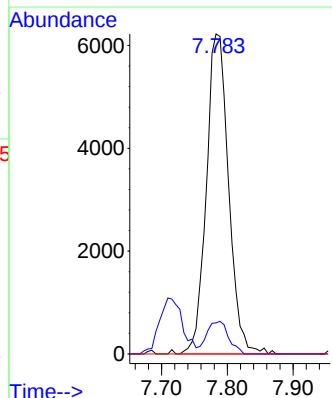
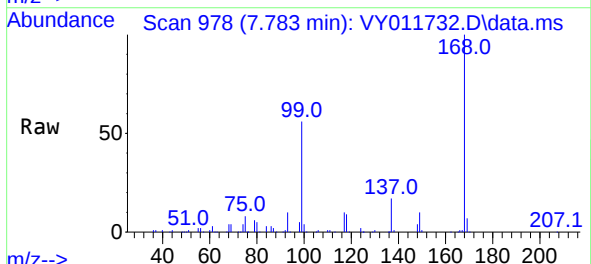
Instrument :
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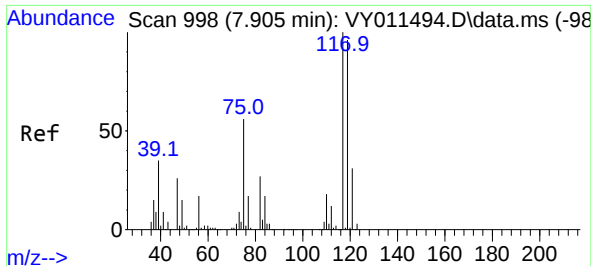
Tgt Ion:113 Resp: 115374
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.417 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 75 Resp: 14678
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.0 24.4 36.6#

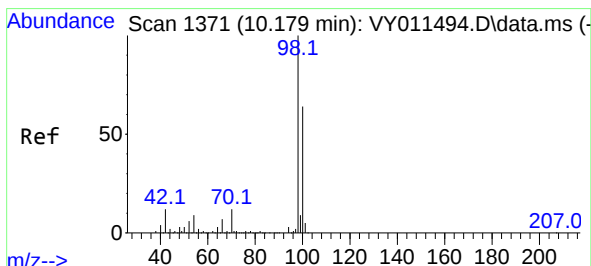
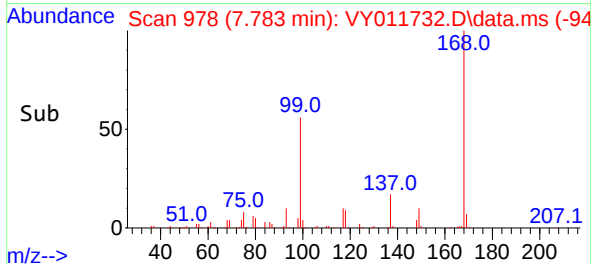
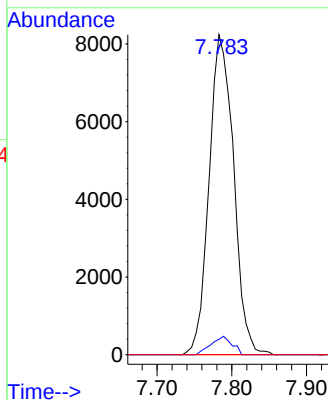
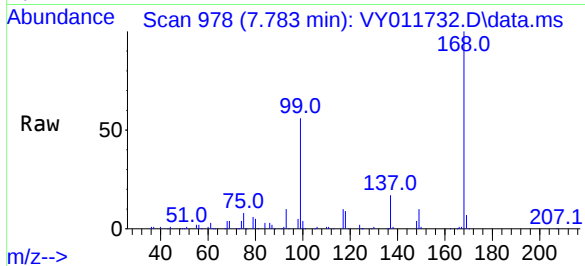




#38
Carbon Tetrachloride
Concen: 5.052 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

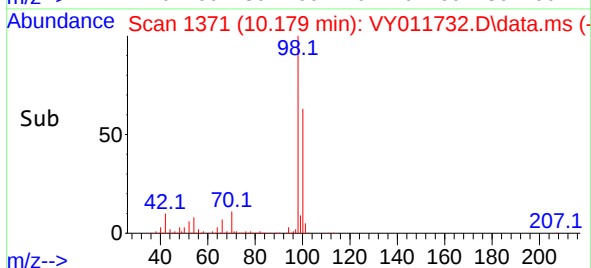
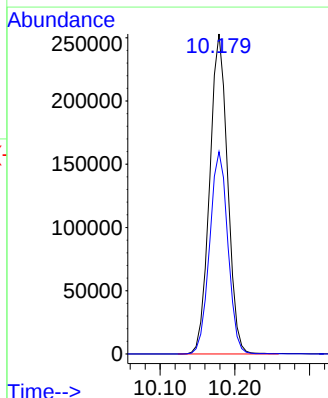
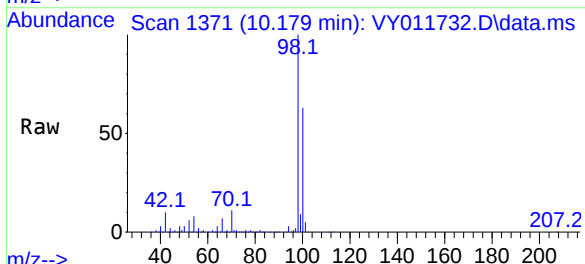
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

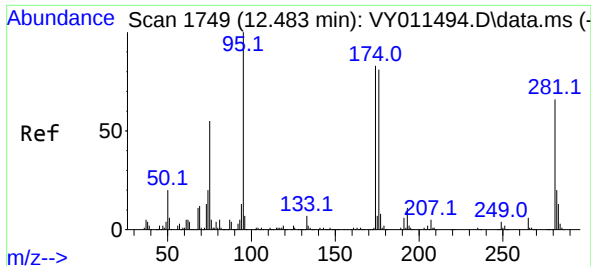
Tgt Ion:117 Resp: 18781
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.554 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 98 Resp: 421417
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

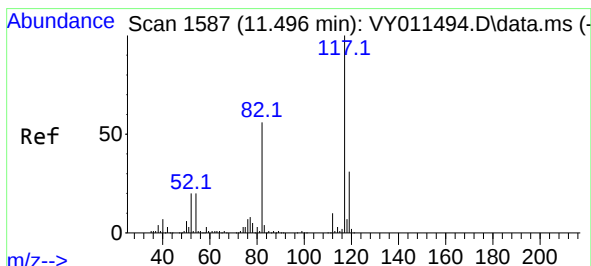
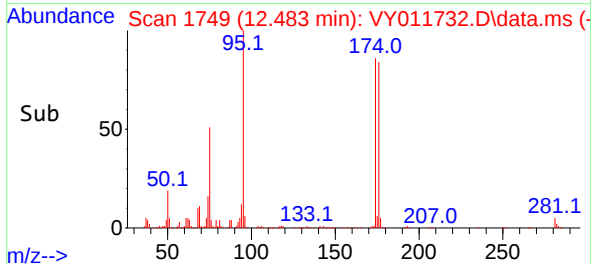
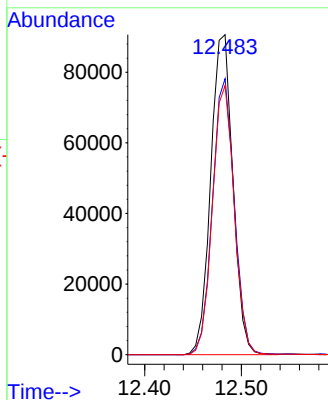
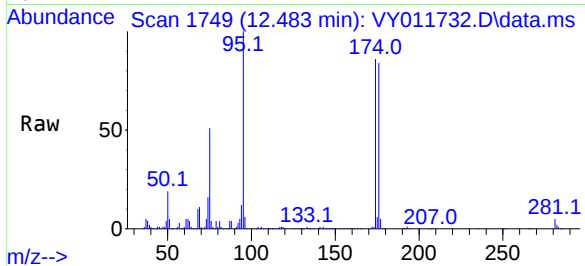




#62
4-Bromofluorobenzene
Concen: 50.582 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

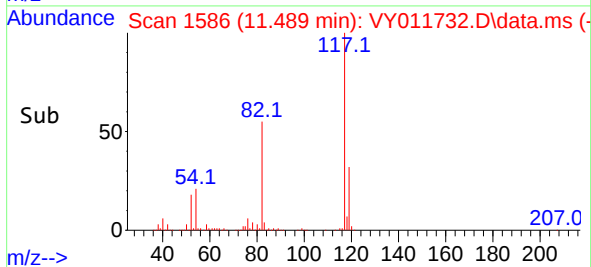
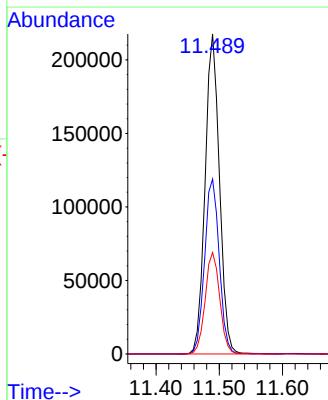
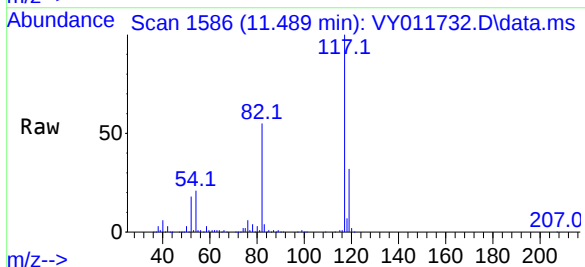
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

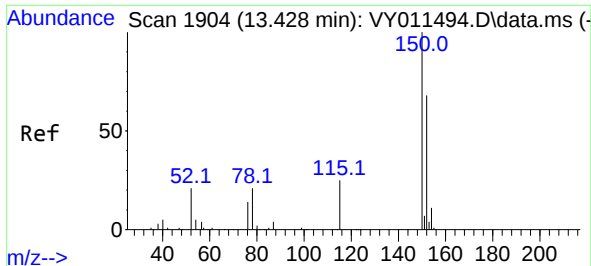
Tgt Ion: 95 Resp: 144468
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 117 Resp: 343962
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.7 25.4 38.0

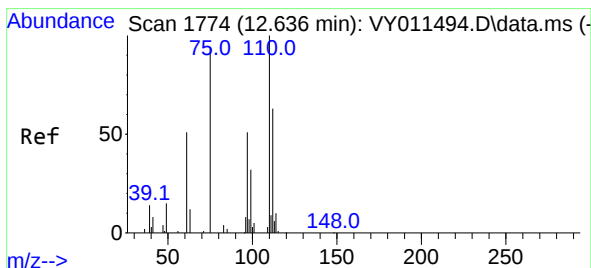
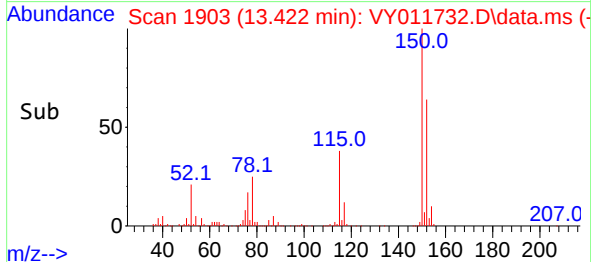
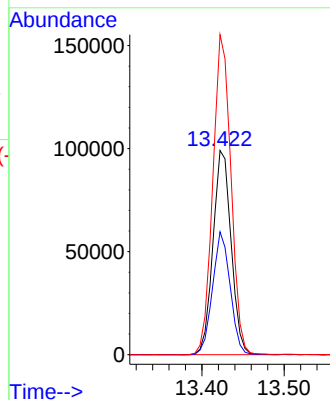
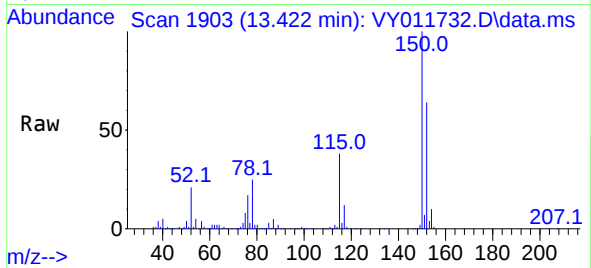




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

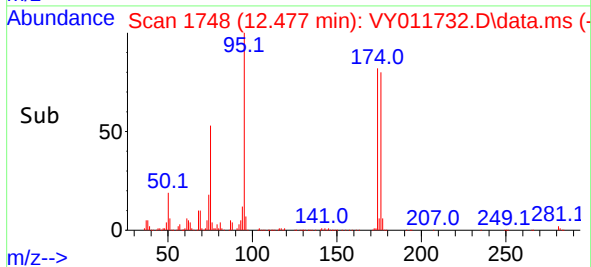
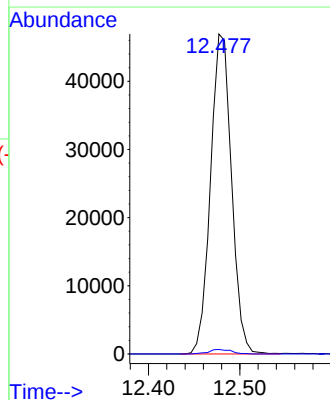
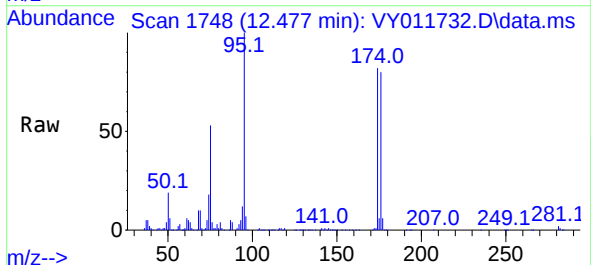
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

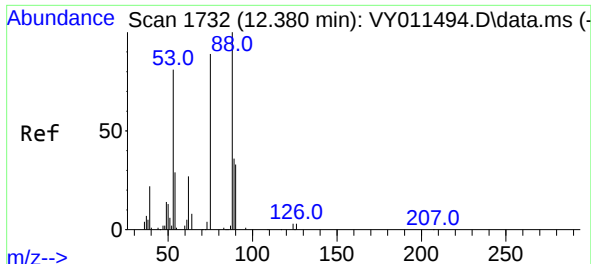
Tgt Ion:152 Resp: 152311
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 156.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.604 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 75 Resp: 74804
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

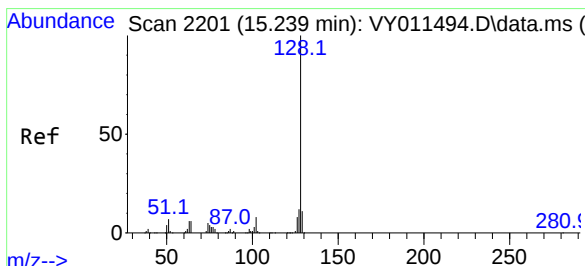
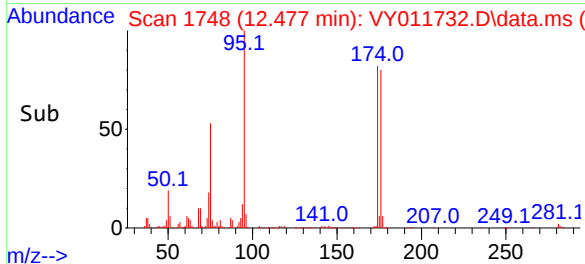
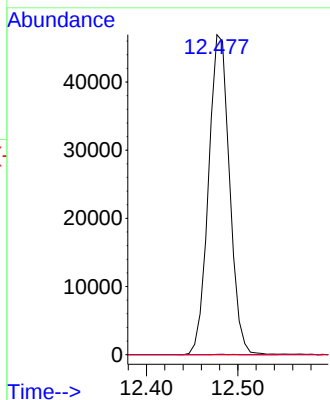
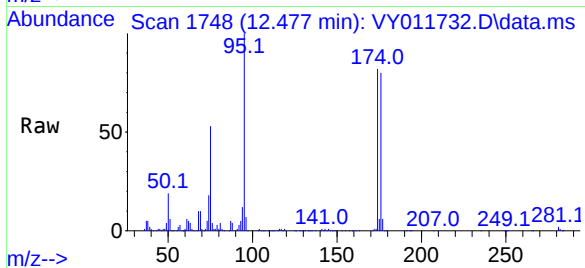




#81
trans-1,4-Dichloro-2-butene
Concen: 99.889 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

Tgt Ion: 75 Resp: 74804
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.110 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY011732.D
Acq: 07 Dec 2022 14:40

Tgt Ion: 128 Resp: 530
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

