

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011693.D
 Acq On : 05 Dec 2022 13:55
 Operator : KP/MD
 Sample : N5870-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-3

Quant Time: Dec 06 00:36:25 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)

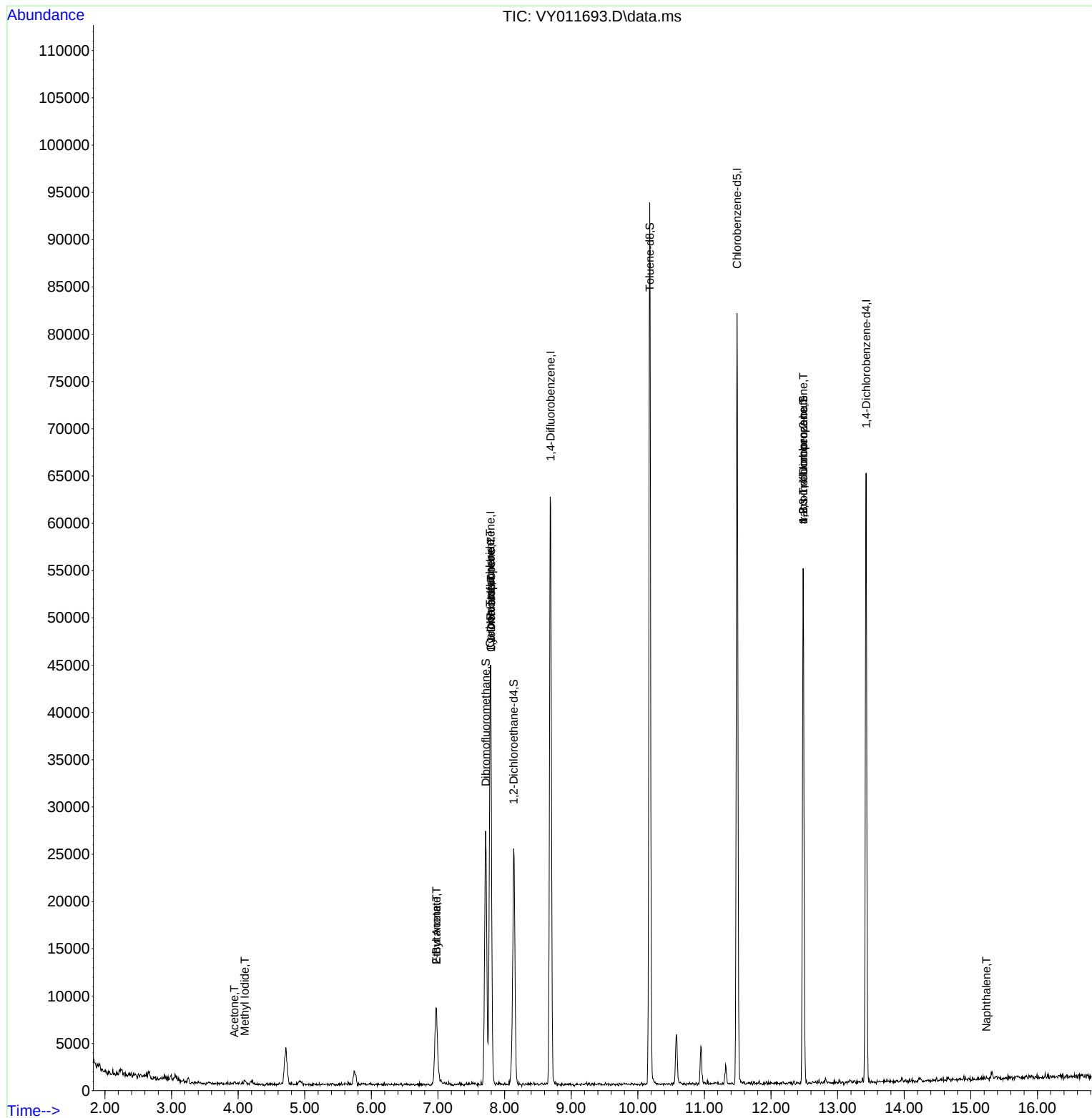
Internal Standards						
1) Pentafluorobenzene	7.789	168	34969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	53816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	45600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	17061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	19121	53.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.700%			
35) Dibromofluoromethane	7.716	113	18238	55.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.100%			
50) Toluene-d8	10.179	98	63702	52.914	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.483	95	15469	34.753	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 69.500%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	198	Below Cal	#	44
5) Bromomethane	2.668	94	243	Below Cal		91
10) Methyl Iodide	4.100	142	544	1.392 ug/l	#	82
11) Tert butyl alcohol	4.930	59	412	Below Cal	#	77
16) Acetone	3.942	43	244	2.116 ug/l	#	47
18) Methyl Acetate	4.497	43	41	Below Cal	#	56
20) Methylene Chloride	4.716	84	2668	Below Cal	#	78
25) 2-Butanone	6.978	43	458	3.022 ug/l	#	54
31) Cyclohexane	7.795	56	701	1.191 ug/l	#	16
36) 1,1-Dichloropropene	7.795	75	2745	5.301 ug/l	#	50
37) Ethyl Acetate	6.978	43	458	1.553 ug/l	#	6
38) Carbon Tetrachloride	7.783	117	3487	6.019 ug/l	#	18
76) 1,2,3-Trichloropropane	12.483	75	8296	45.152 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8296	98.898 ug/l	#	7
95) Naphthalene	15.233	128	172	4.282 ug/l	#	69

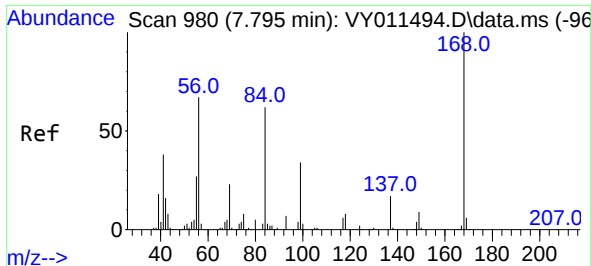
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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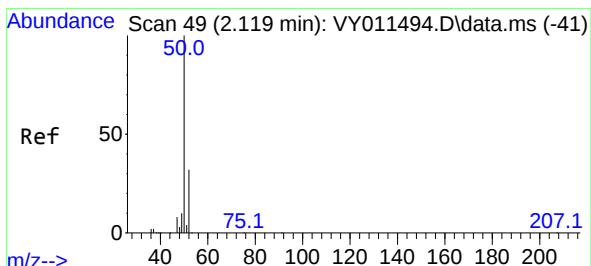
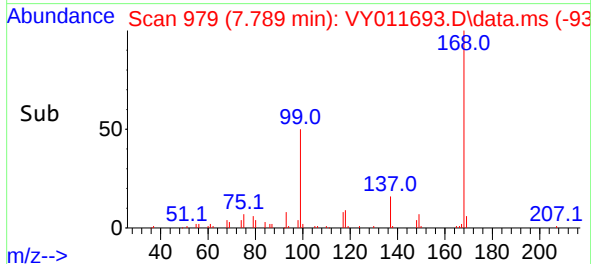
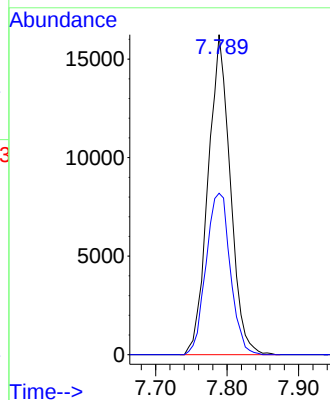
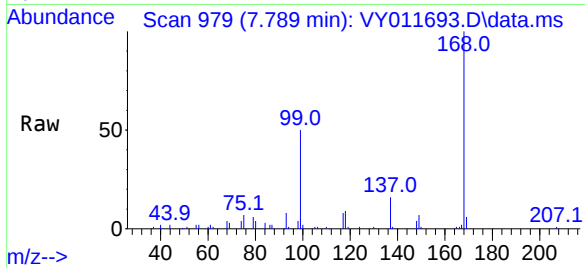




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

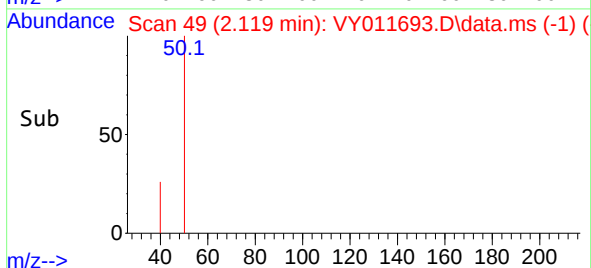
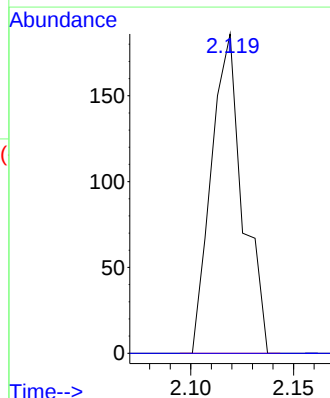
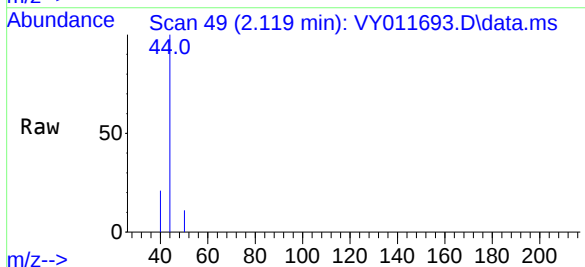
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

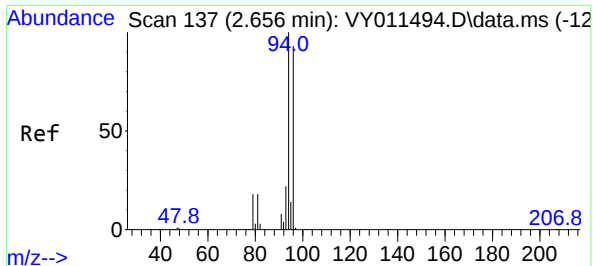
Tgt Ion:168 Resp: 34969
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 50 Resp: 198
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

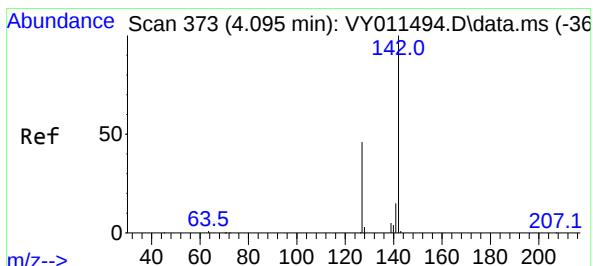
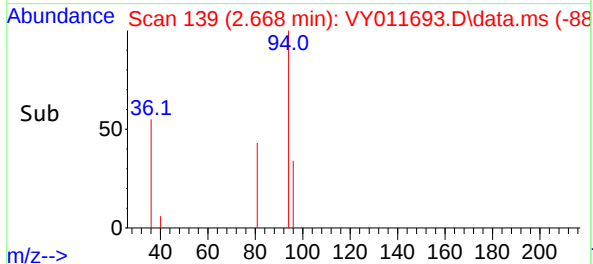
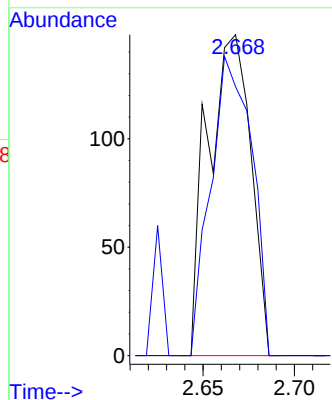
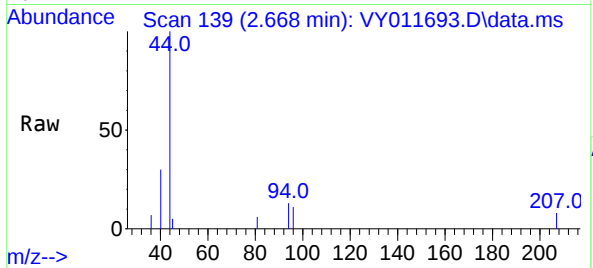




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

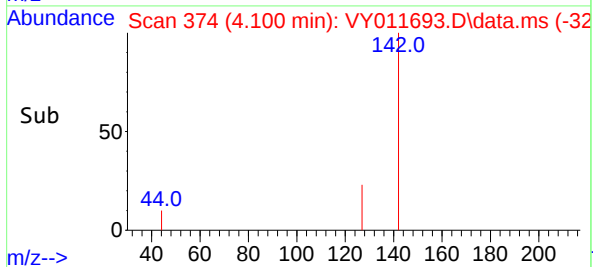
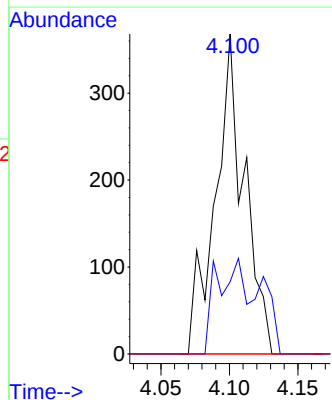
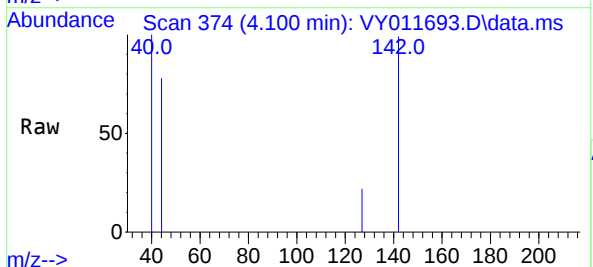
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

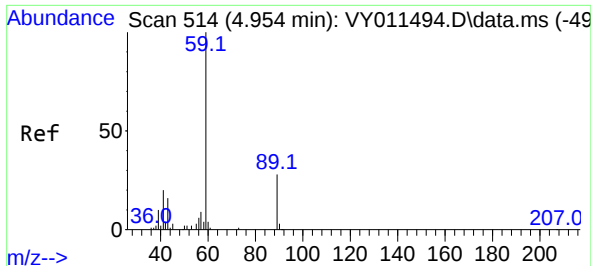
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 83.8 73.5 110.3



#10
Methyl Iodide
Concen: 1.392 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.005 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 142 Resp: 544
Ion Ratio Lower Upper
142 100
127 43.2 41.5 62.3
141 0.0 11.9 17.9#

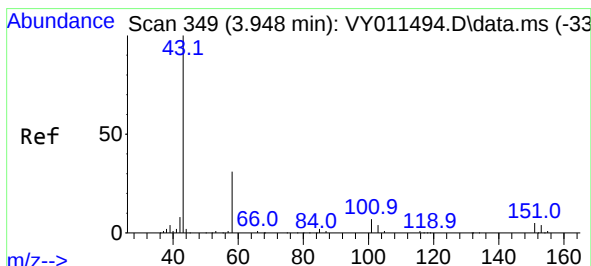
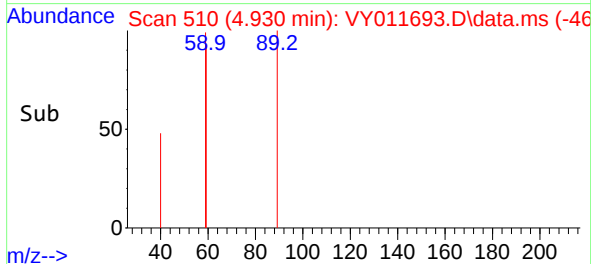
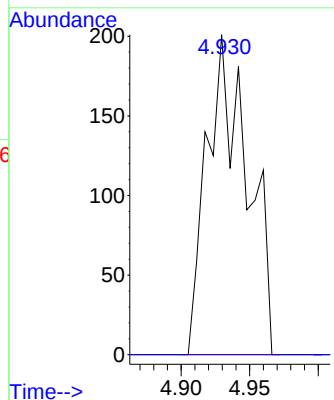
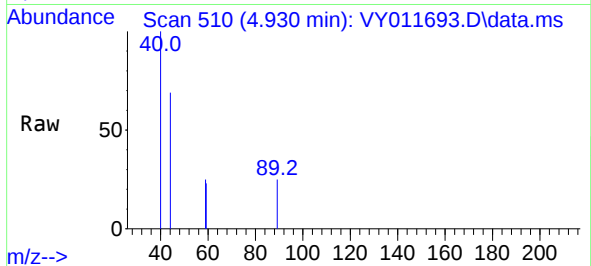




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

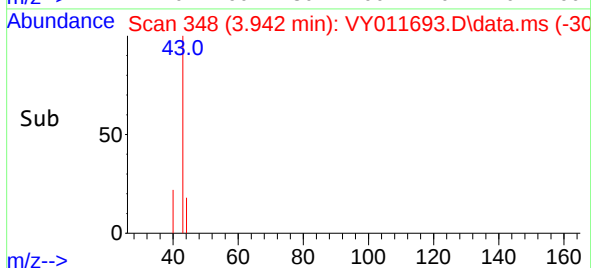
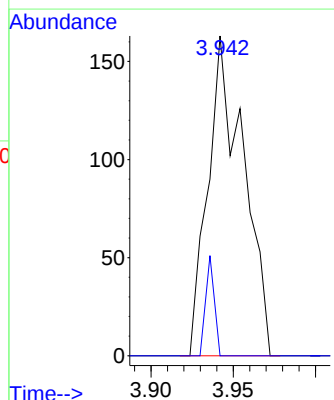
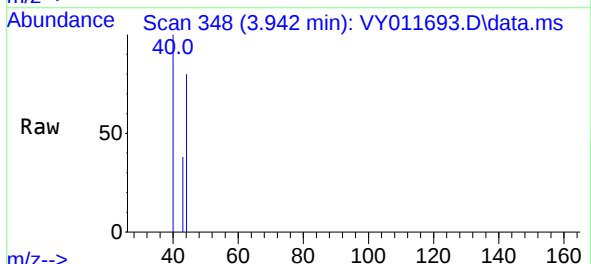
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

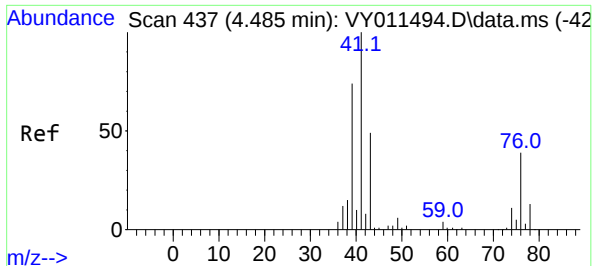
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.116 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 43 Resp: 244
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

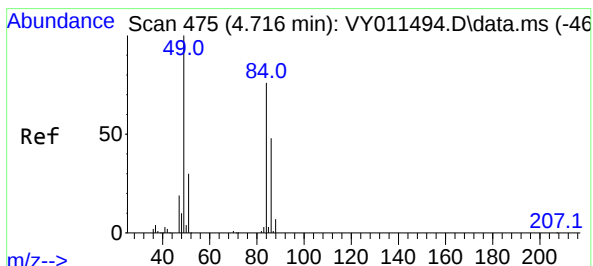
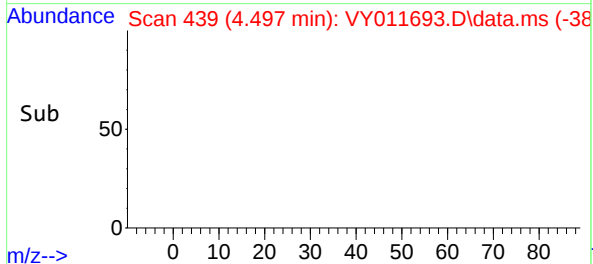
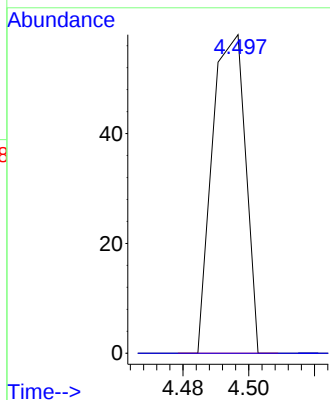
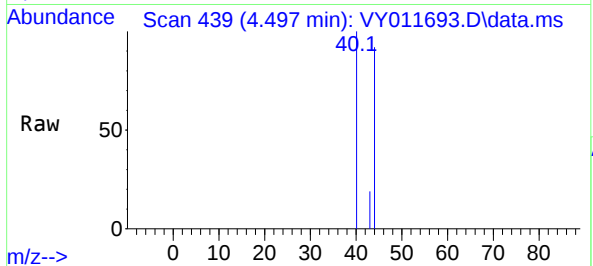




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

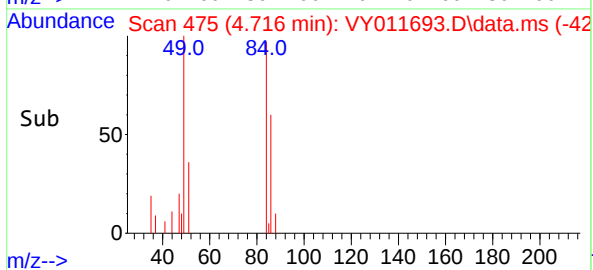
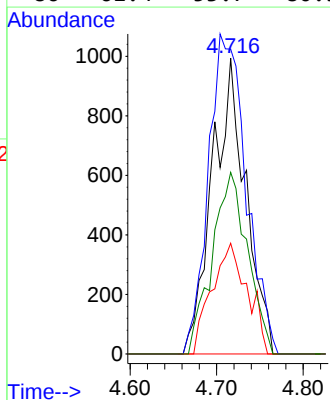
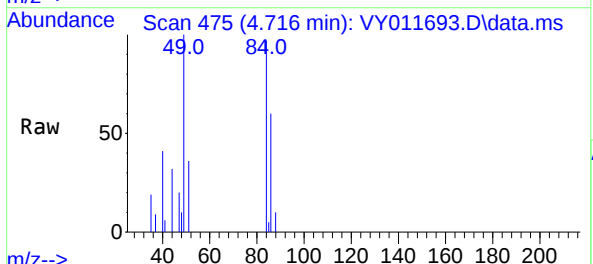
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

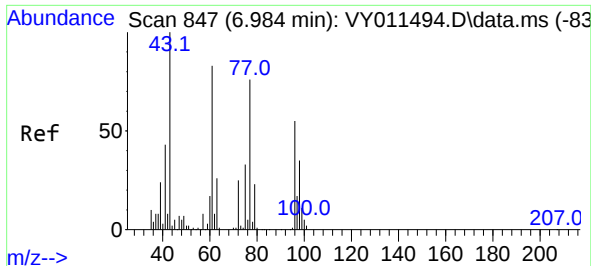
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 84 Resp: 2668
Ion Ratio Lower Upper
84 100
49 103.0 114.4 171.6#
51 37.4 35.3 52.9
86 61.4 53.7 80.5





#25

2-Butanone

Concen: 3.022 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011693.D

Acq: 05 Dec 2022 13:55

Instrument :

MSVOA_Y

ClientSampleId :

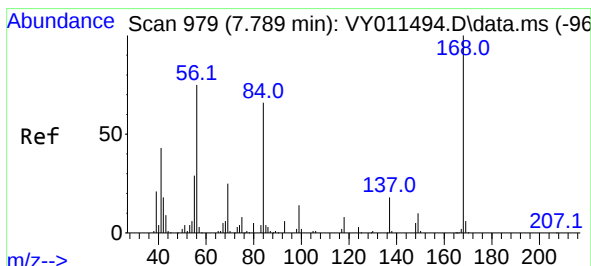
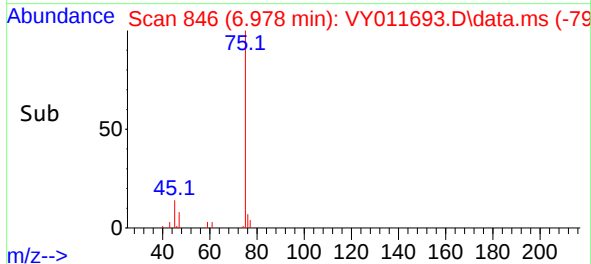
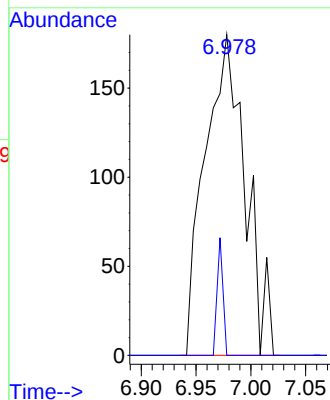
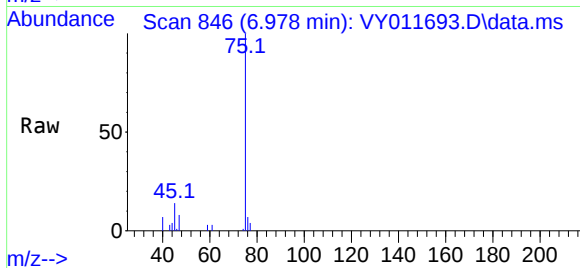
ML-3

Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011693.D

Acq: 05 Dec 2022 13:55

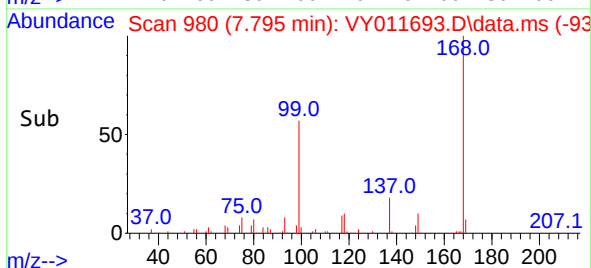
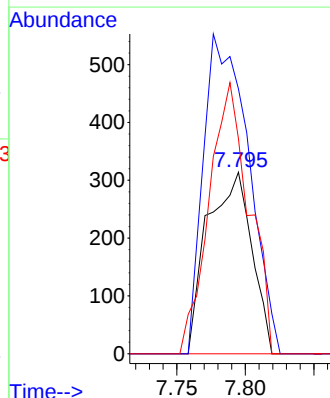
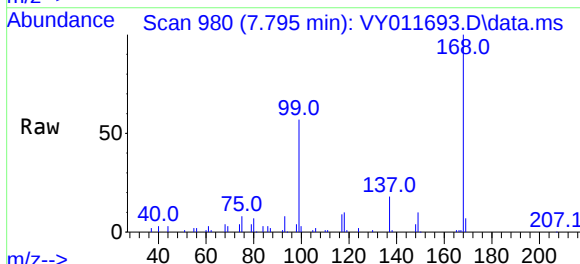
Tgt Ion: 56 Resp: 701

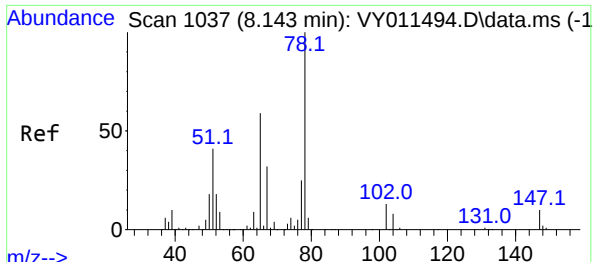
Ion Ratio Lower Upper

56 100

69 145.9 26.7 40.1#

84 118.5 67.2 100.8#

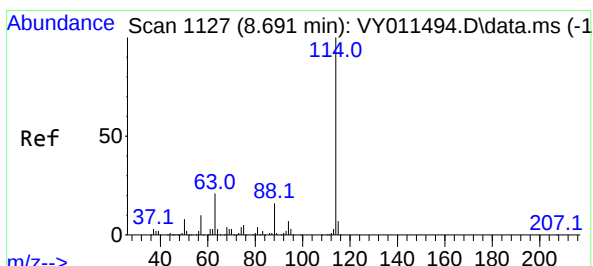
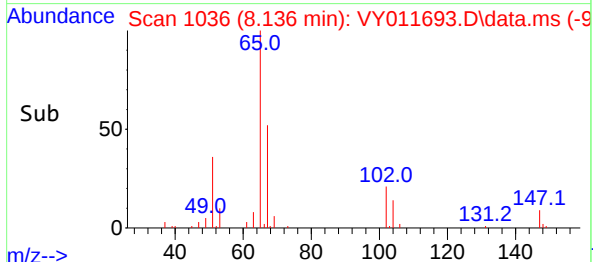
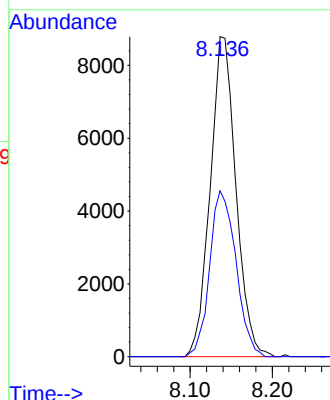
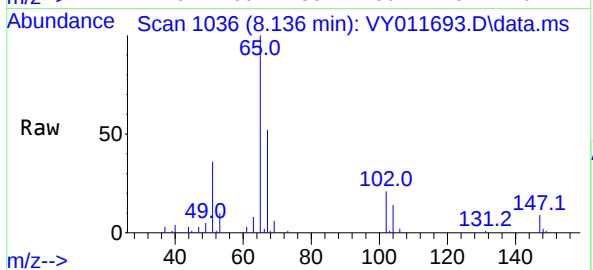




#33
1,2-Dichloroethane-d4
Concen: 53.851 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

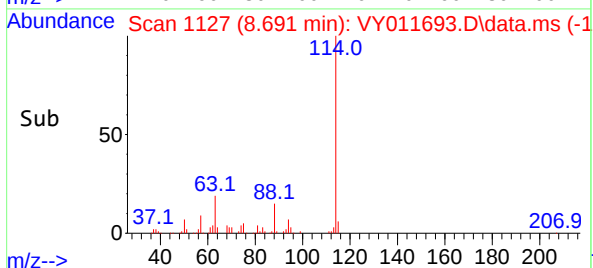
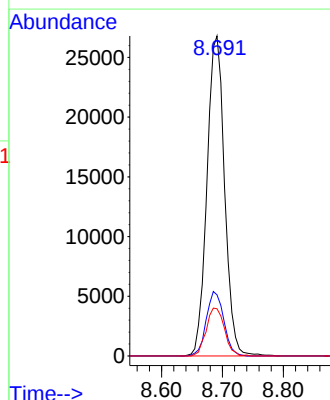
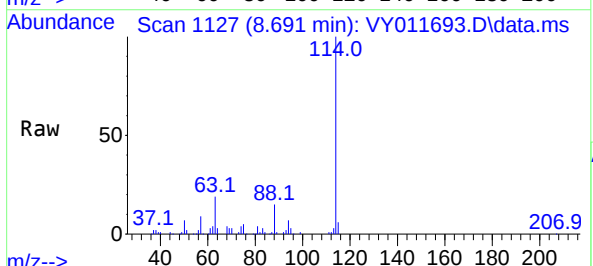
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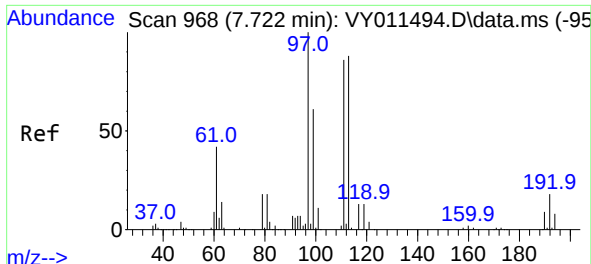
Tgt Ion: 65 Resp: 19121
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

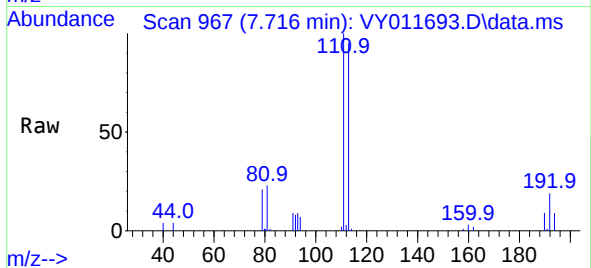
Tgt Ion: 114 Resp: 53816
Ion Ratio Lower Upper
114 100
63 19.1 0.0 43.2
88 14.8 0.0 31.8



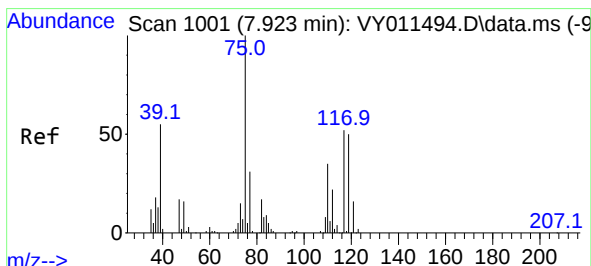
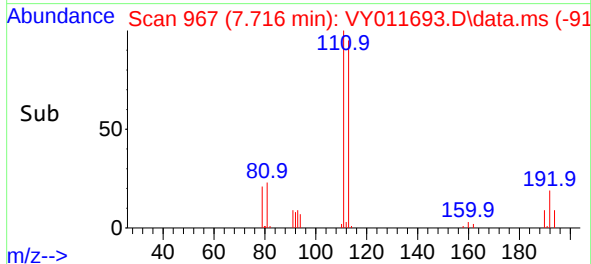
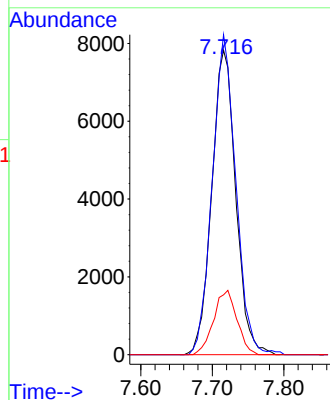


#35
Dibromofluoromethane
Concen: 55.052 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Instrument :
MSVOA_Y
ClientSampleId :
ML-3

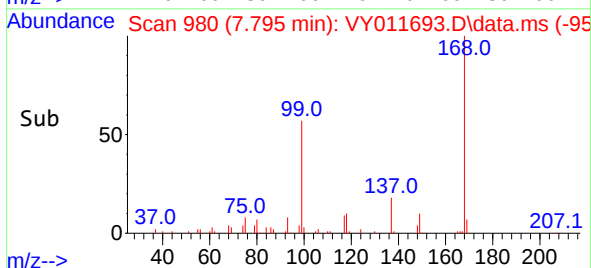
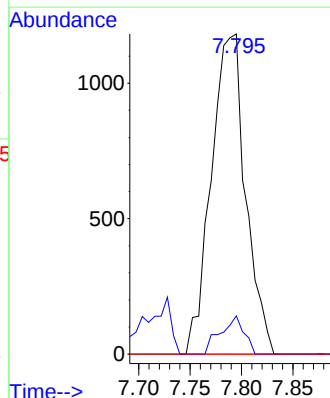
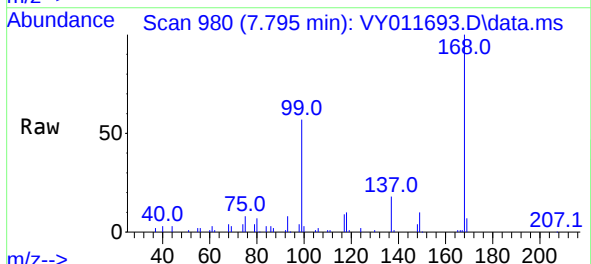


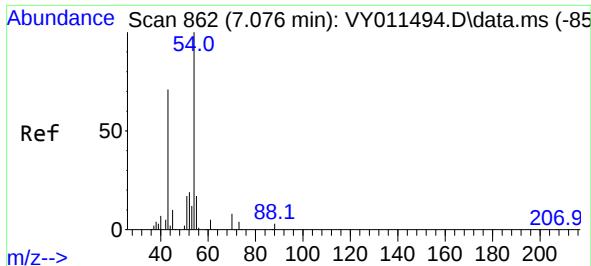
Tgt Ion:113 Resp: 18238
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.301 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 75 Resp: 2745
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.553 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY011693.D

Acq: 05 Dec 2022 13:55

Instrument :

MSVOA_Y

ClientSampleId :

ML-3

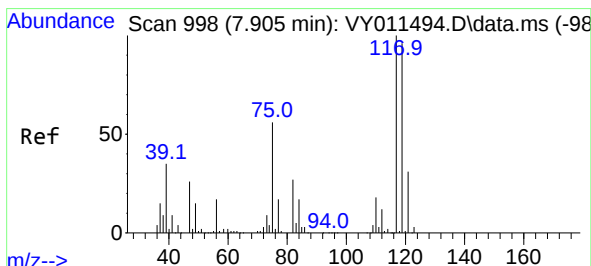
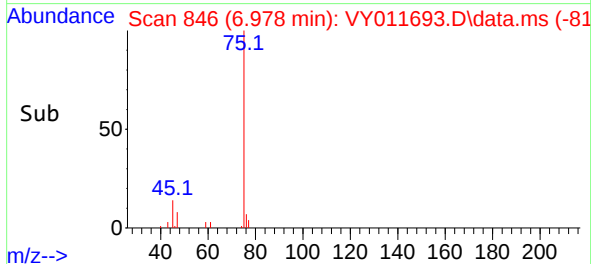
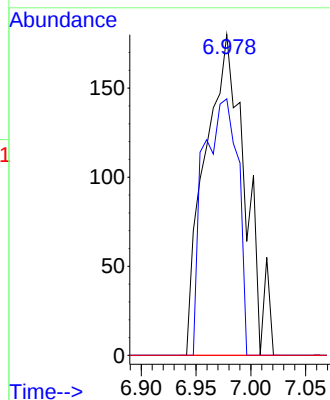
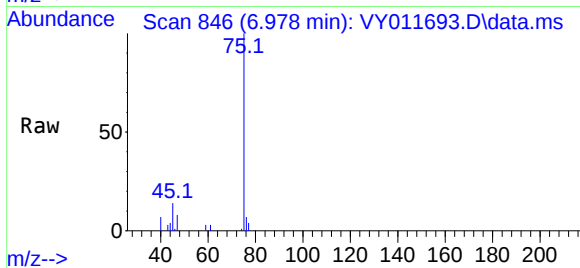
Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

61 68.8 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.019 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011693.D

Acq: 05 Dec 2022 13:55

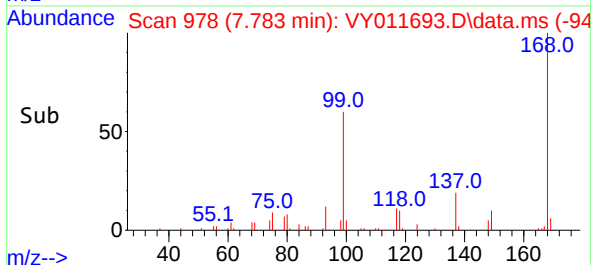
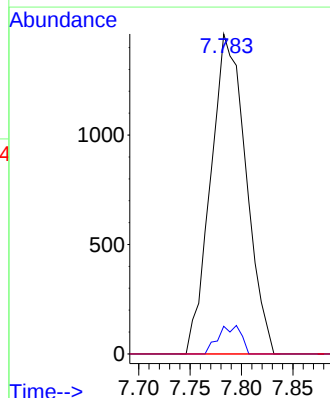
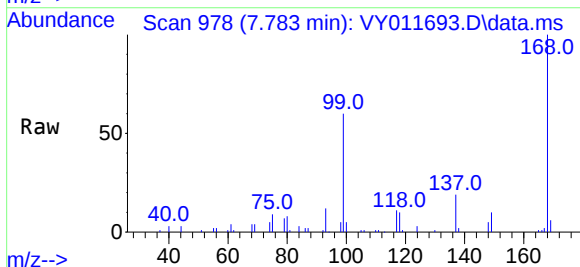
Tgt Ion: 117 Resp: 3487

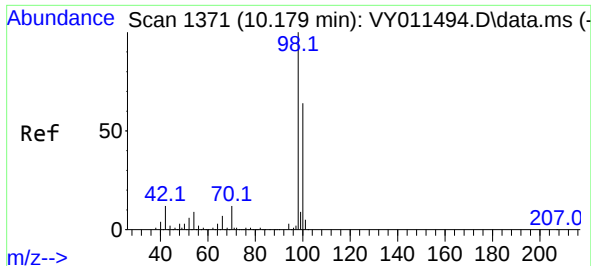
Ion Ratio Lower Upper

117 100

119 8.6 77.9 116.9#

121 0.0 24.8 37.2#

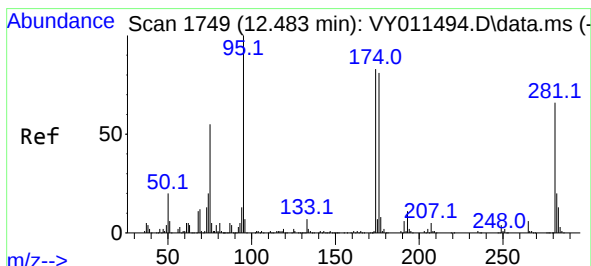
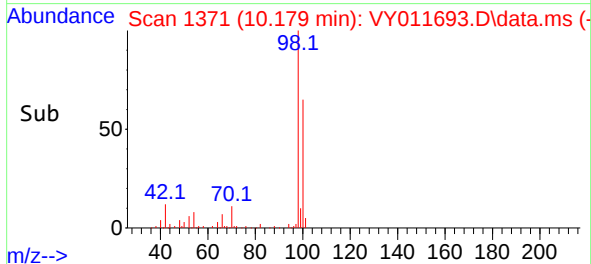
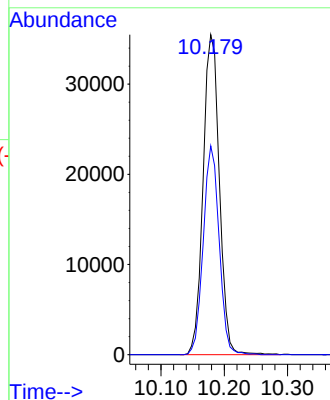
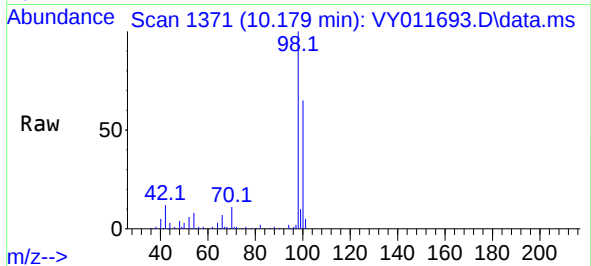




#50
Toluene-d8
Concen: 52.914 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

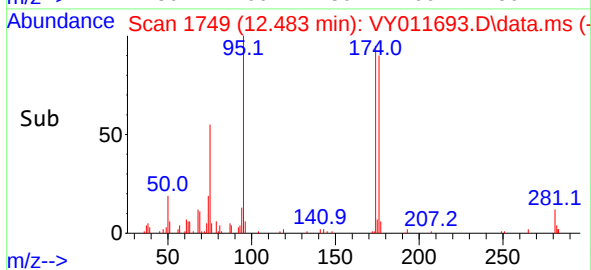
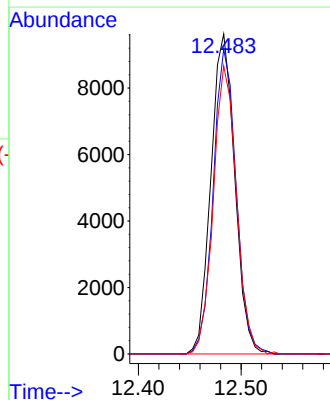
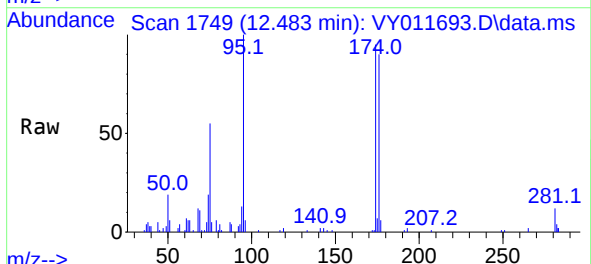
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

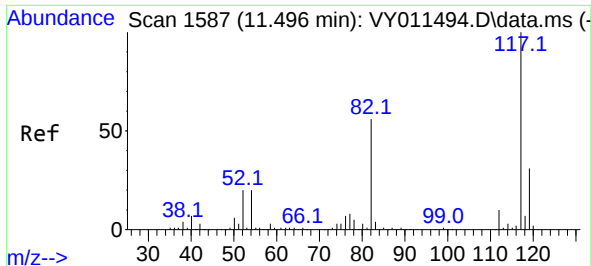
Tgt Ion: 98 Resp: 63702
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.753 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 95 Resp: 15469
Ion Ratio Lower Upper
95 100
174 91.9 0.0 177.0
176 87.6 0.0 175.8

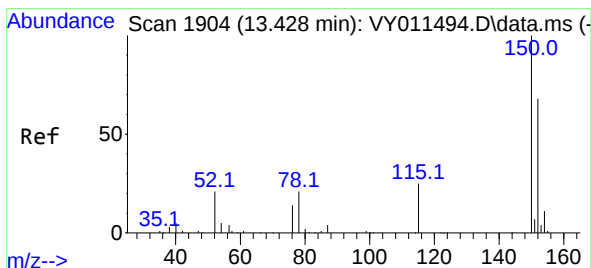
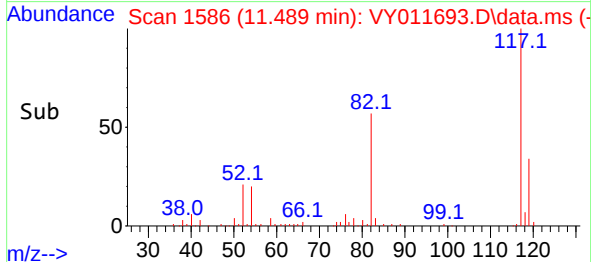
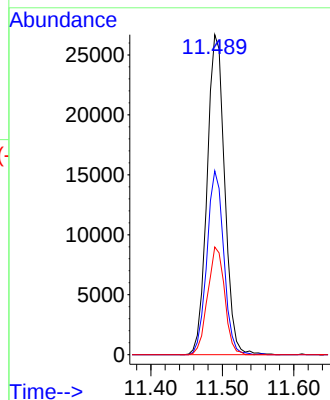
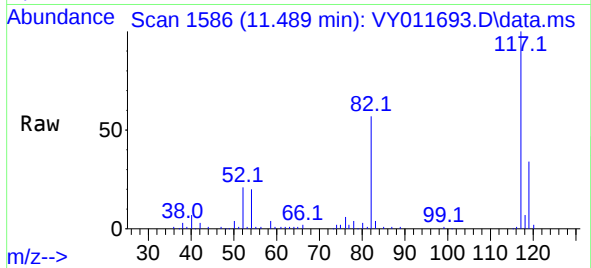




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

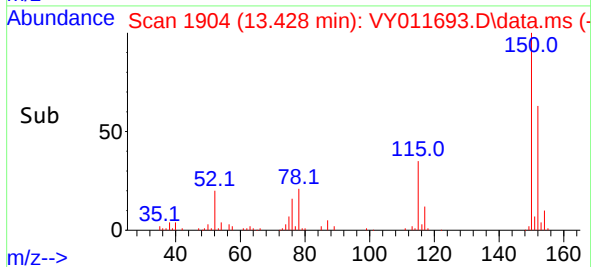
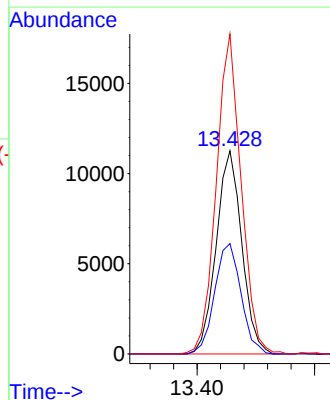
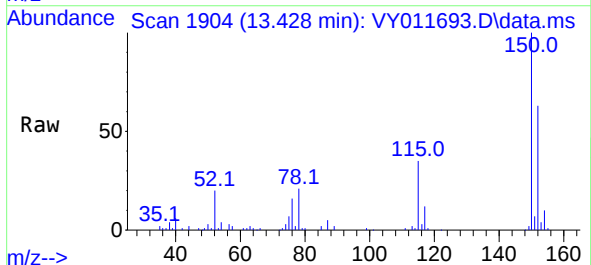
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

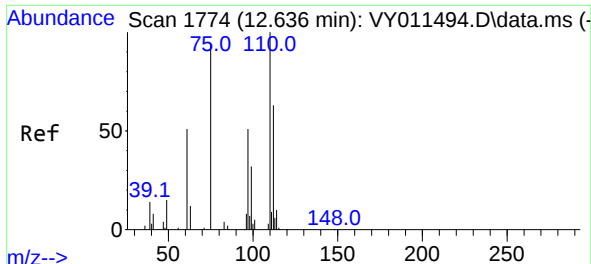
Tgt Ion:117 Resp: 45600
Ion Ratio Lower Upper
117 100
82 57.5 43.0 64.4
119 33.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion:152 Resp: 17061
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 153.1 0.0 347.6

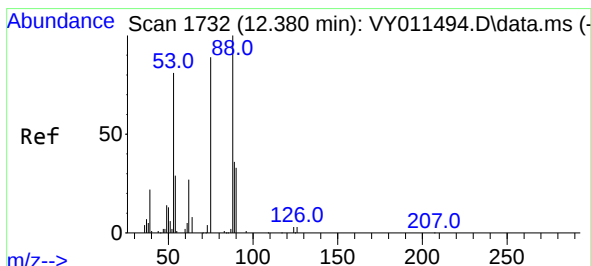
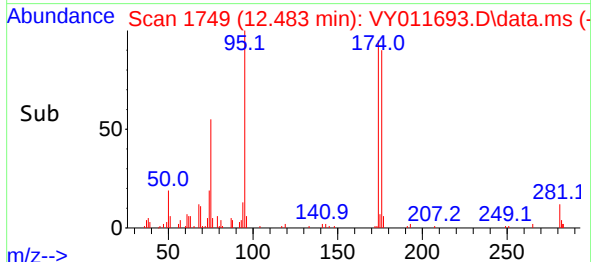
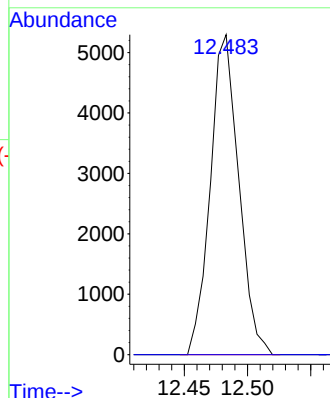
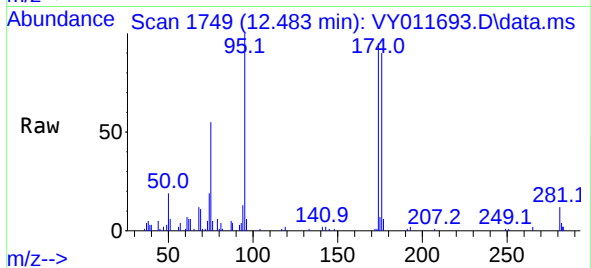




#76
1,2,3-Trichloropropane
Concen: 45.152 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

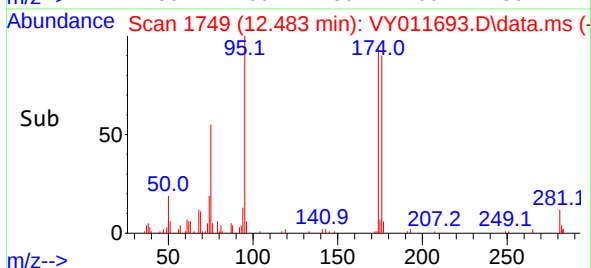
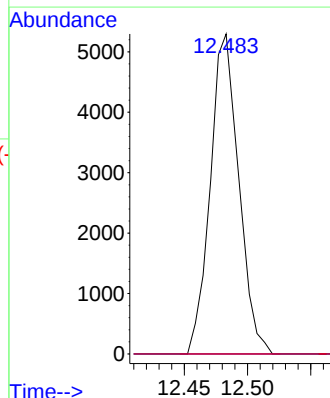
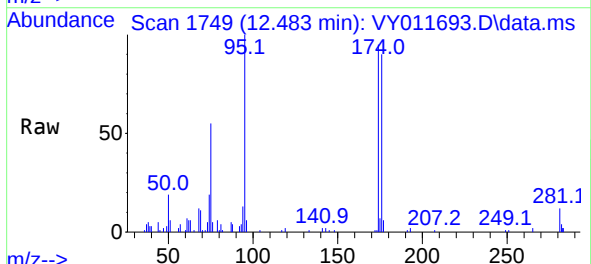
Instrument :
MSVOA_Y
ClientSampleId :
ML-3

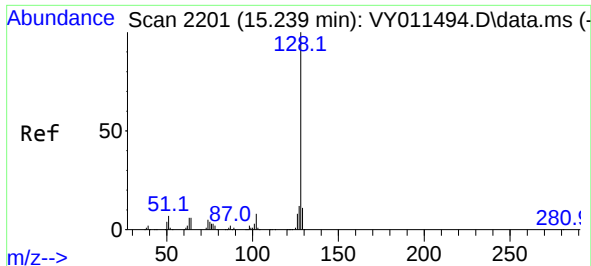
Tgt Ion: 75 Resp: 8296
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 98.898 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011693.D
Acq: 05 Dec 2022 13:55

Tgt Ion: 75 Resp: 8296
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.282 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011693.D

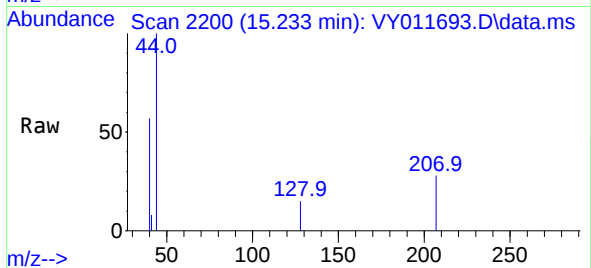
Acq: 05 Dec 2022 13:55

Instrument :

MSVOA_Y

ClientSampleId :

ML-3



Tgt Ion:128 Resp: 172

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

