

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011692.D
 Acq On : 05 Dec 2022 13:32
 Operator : KP/MD
 Sample : N5870-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-2

Quant Time: Dec 06 00:36:16 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)

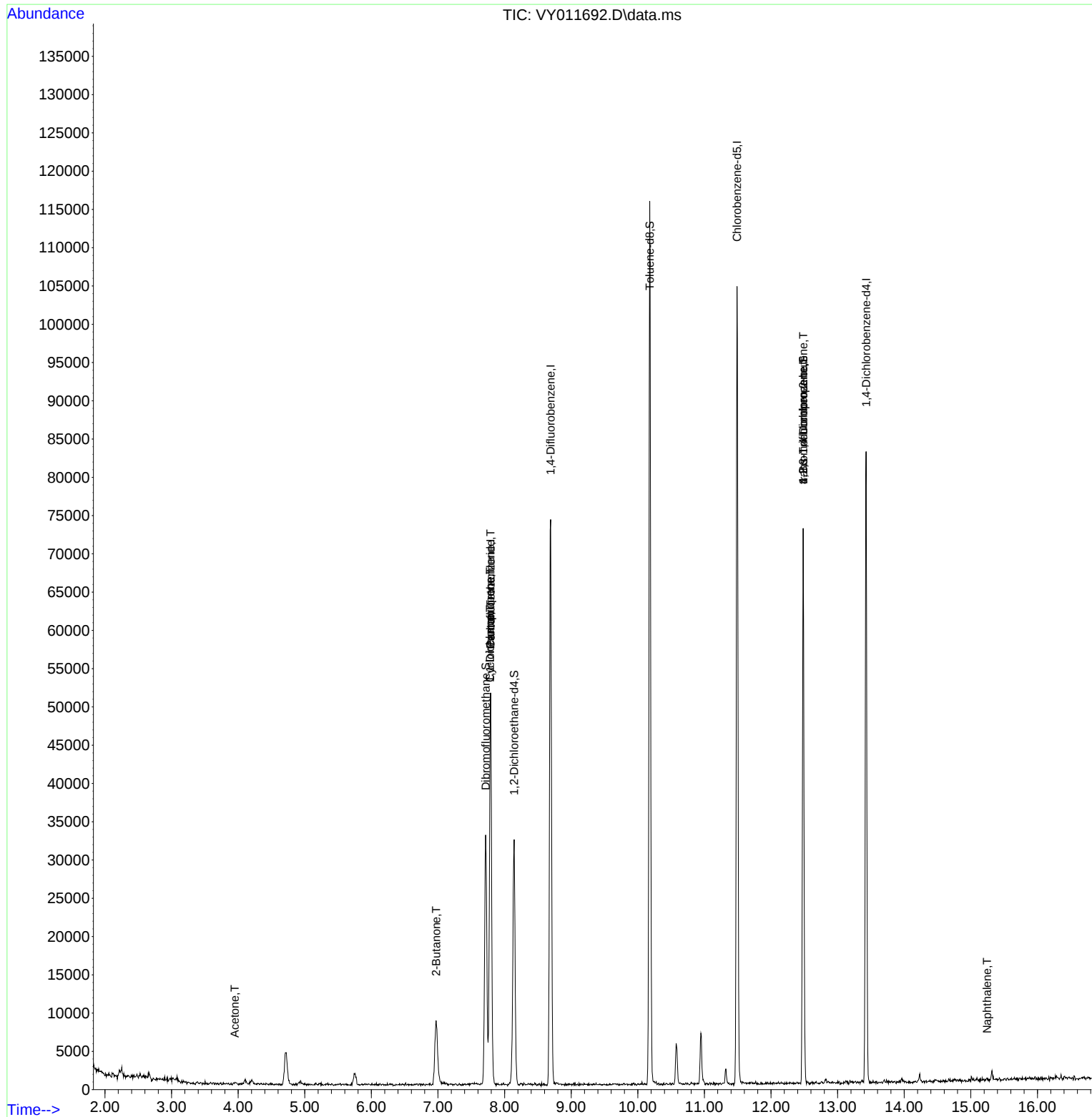
Internal Standards							
1) Pentafluorobenzene		7.789	168	38598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.691	114	64217	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.489	117	57890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.428	152	21879	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.142	65	24729	63.097	ug/l	0.00
Spiked Amount 50.000		Range 50 - 163		Recovery	= 126.200%		
35) Dibromofluoromethane		7.716	113	22830	57.751	ug/l	0.00
Spiked Amount 50.000		Range 54 - 147		Recovery	= 115.500%		
50) Toluene-d8		10.179	98	76006	52.909	ug/l	0.00
Spiked Amount 50.000		Range 49 - 140		Recovery	= 105.820%		
62) 4-Bromofluorobenzene		12.483	95	20623	38.828	ug/l	0.00
Spiked Amount 50.000		Range 25 - 144		Recovery	= 77.660%		
Target Compounds							Qvalue
3) Chloromethane		2.113	50	195	Below Cal	#	74
5) Bromomethane		2.662	94	383	Below Cal		97
11) Tert butyl alcohol		4.936	59	617	Below Cal	#	77
16) Acetone		3.948	43	220	1.728	ug/l #	47
18) Methyl Acetate		4.485	43	22	Below Cal	#	56
20) Methylene Chloride		4.722	84	3161	Below Cal	#	75
25) 2-Butanone		6.972	43	241	1.440	ug/l #	54
31) Cyclohexane		7.783	56	816	1.256	ug/l #	9
36) 1,1-Dichloropropene		7.783	75	3314	5.363	ug/l #	46
38) Carbon Tetrachloride		7.789	117	3720	5.381	ug/l #	15
76) 1,2,3-Trichloropropane		12.483	75	10709	45.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.483	75	10709	99.551	ug/l #	7
95) Naphthalene		15.245	128	303	4.380	ug/l #	79

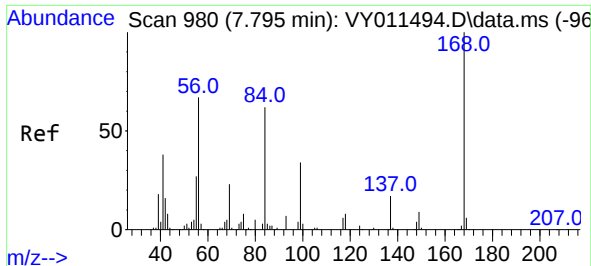
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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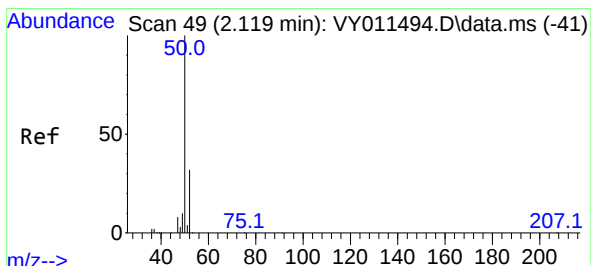
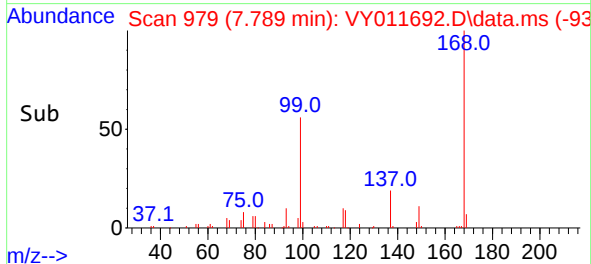
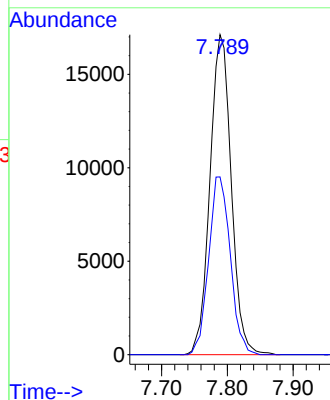
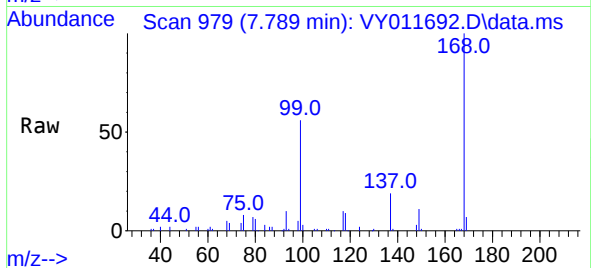




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

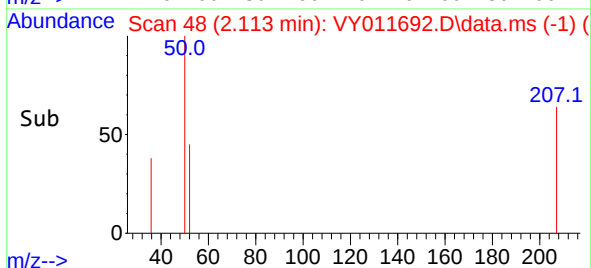
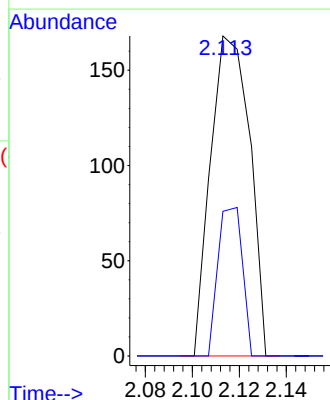
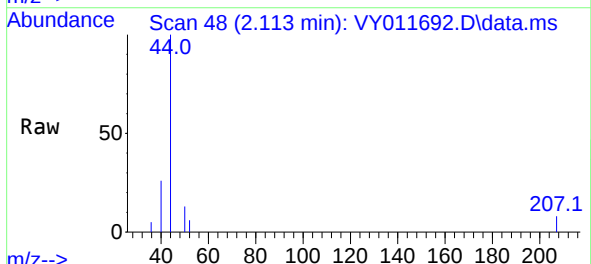
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

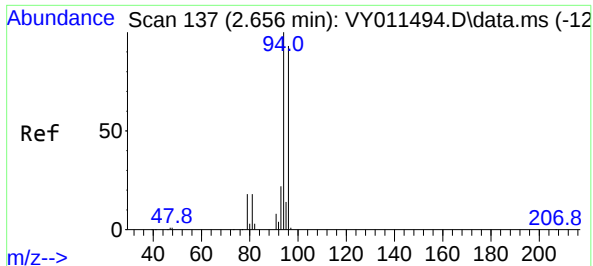
Tgt Ion:168 Resp: 38598
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Tgt Ion: 50 Resp: 195
Ion Ratio Lower Upper
50 100
52 45.2 24.6 37.0#

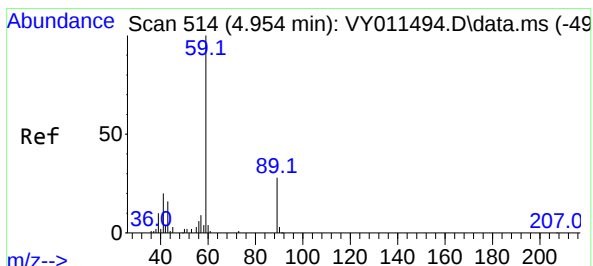
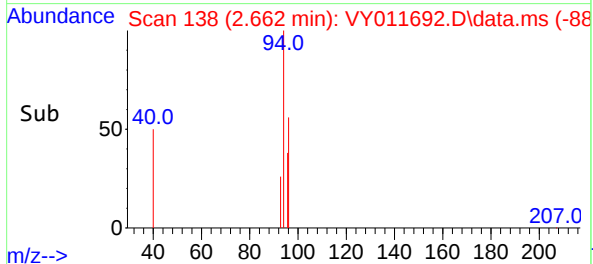
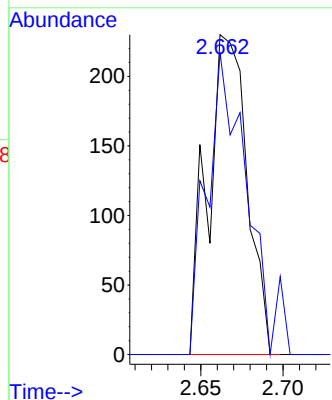
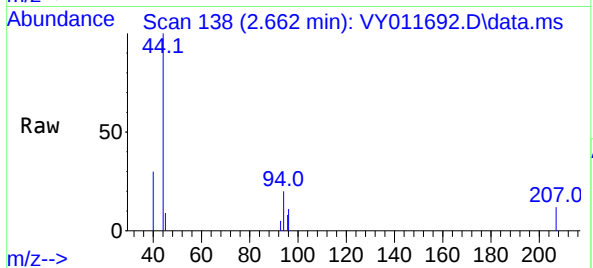




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

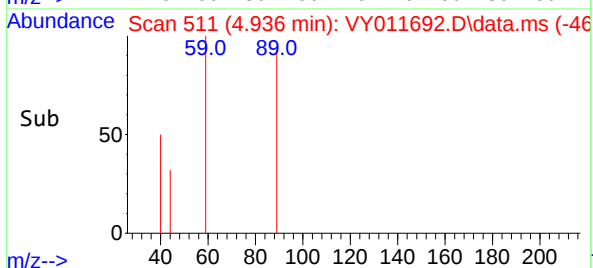
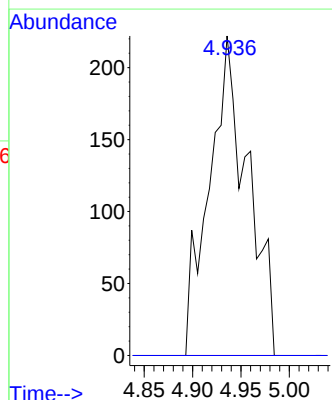
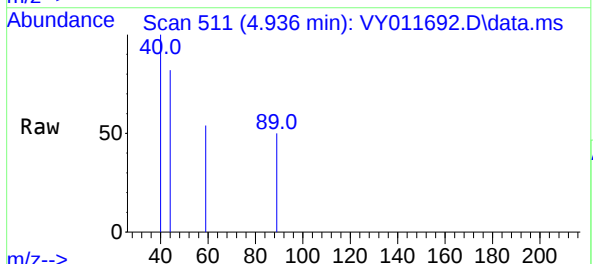
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

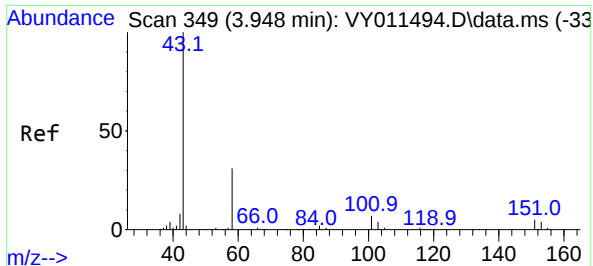
Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 94.3 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Tgt Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

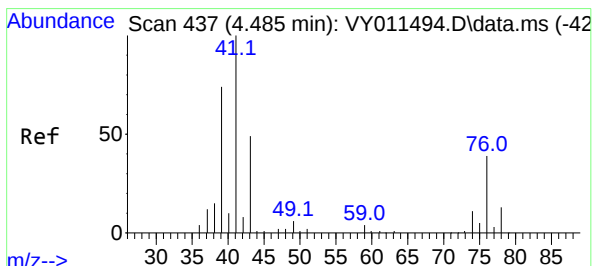
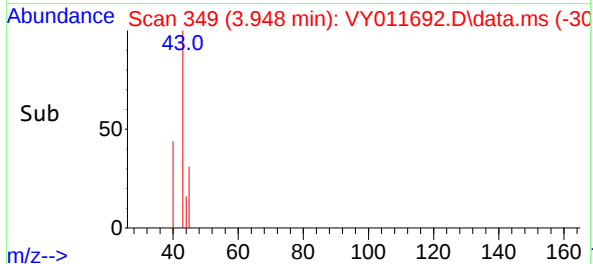
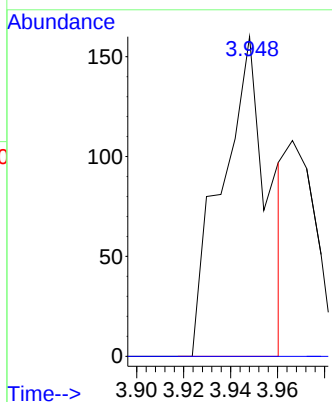
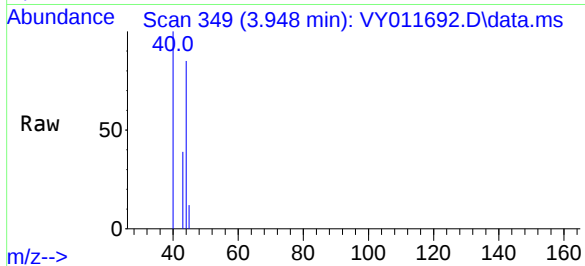




#16
Acetone
Concen: 1.728 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

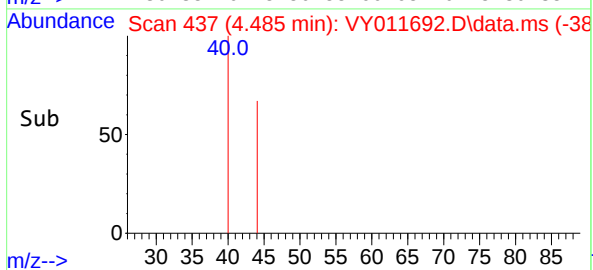
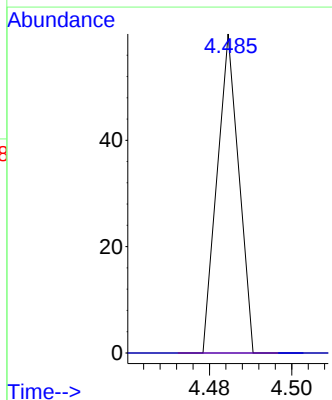
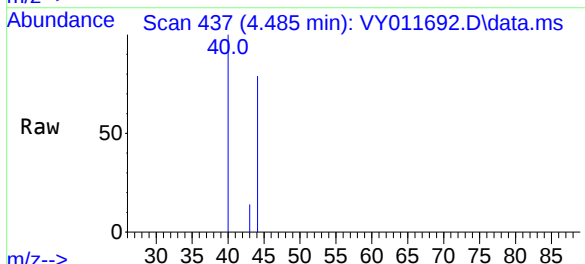
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

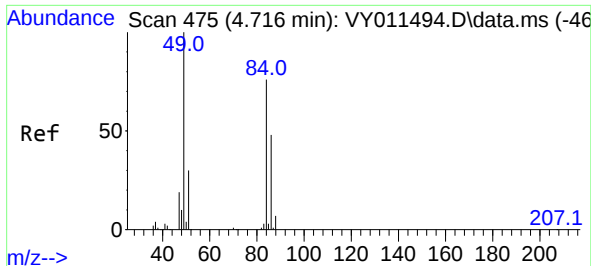
Tgt Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

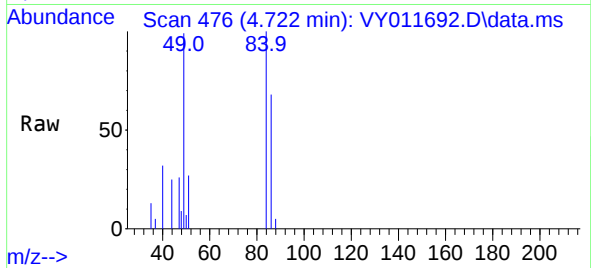
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



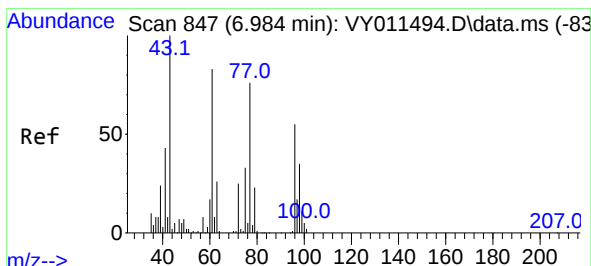
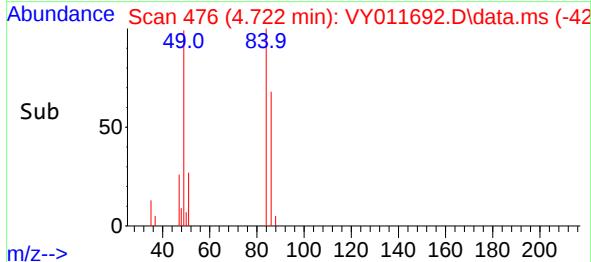
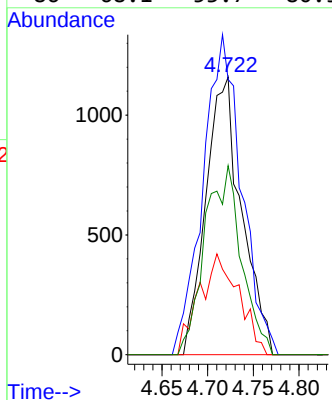


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :
ML-2

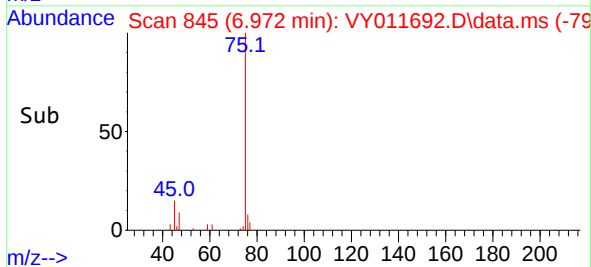
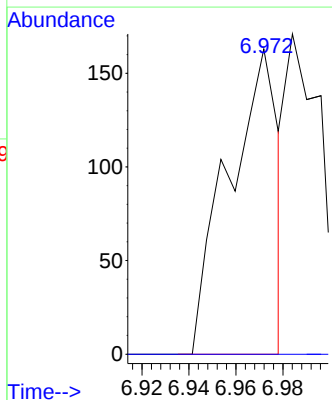
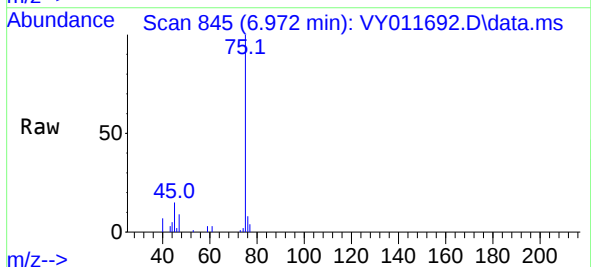


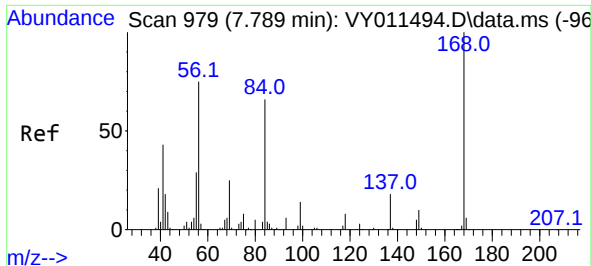
Tgt Ion: 84 Resp: 3161
Ion Ratio Lower Upper
84 100
49 99.1 114.4 171.6#
51 27.4 35.3 52.9#
86 68.1 53.7 80.5



#25
2-Butanone
Concen: 1.440 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

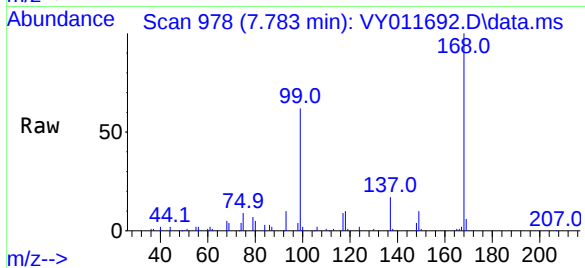
Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



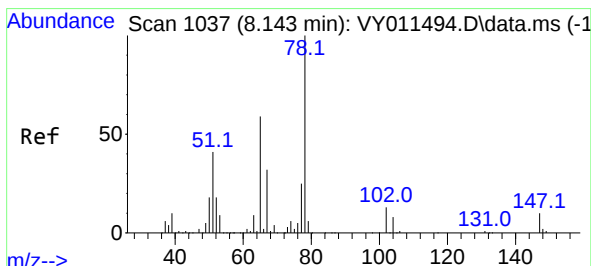
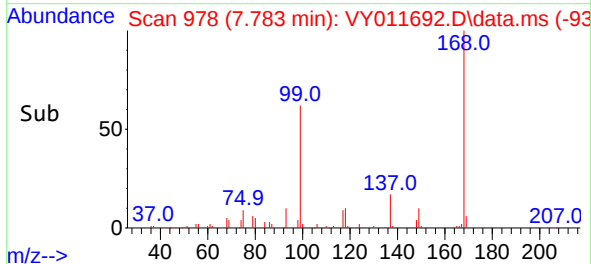
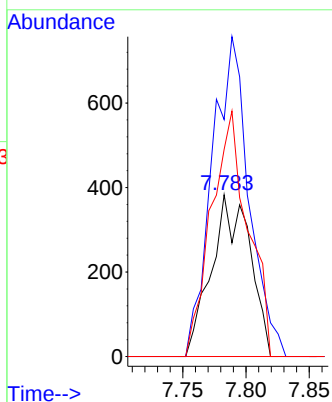


#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :
ML-2

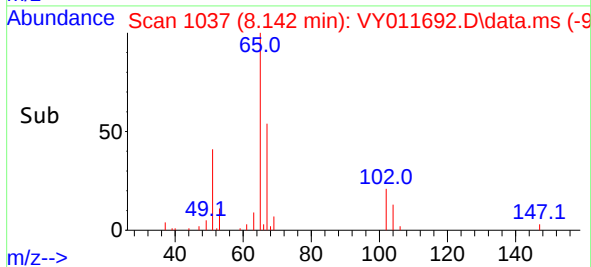
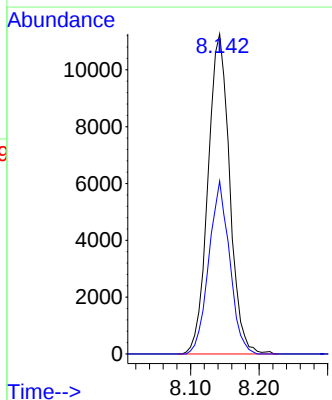
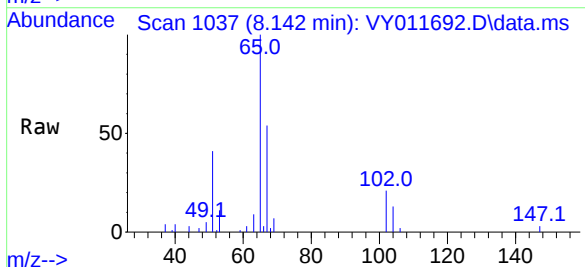


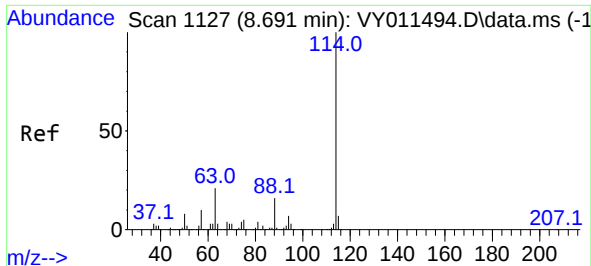
Tgt Ion: 56 Resp: 816
Ion Ratio Lower Upper
56 100
69 146.5 26.7 40.1#
84 127.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.097 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Tgt Ion: 65 Resp: 24729
Ion Ratio Lower Upper
65 100
67 51.7 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: VY011692.D

Acq: 05 Dec 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

ML-2

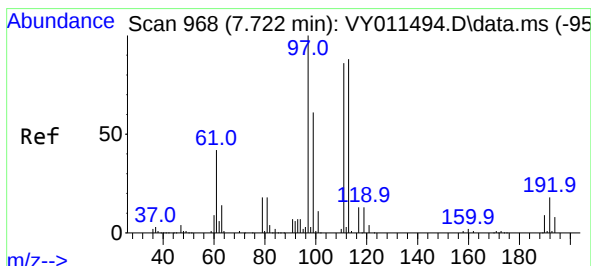
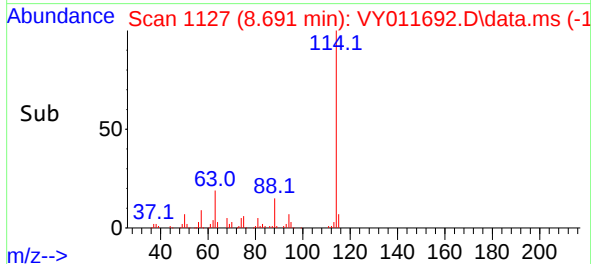
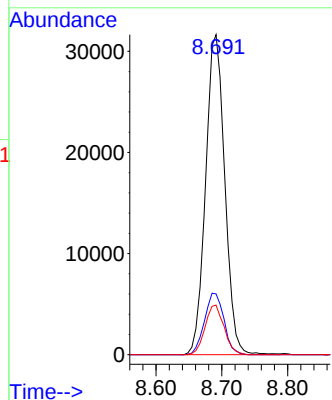
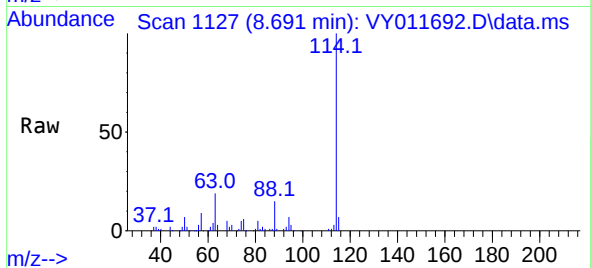
Tgt Ion:114 Resp: 64217

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.751 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011692.D

Acq: 05 Dec 2022 13:32

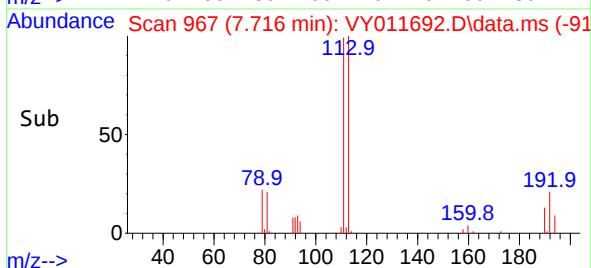
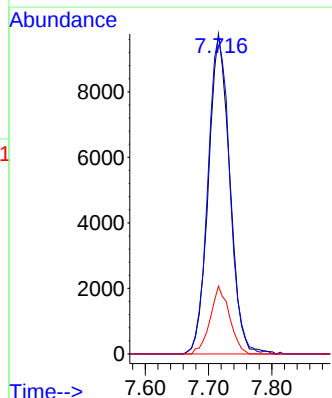
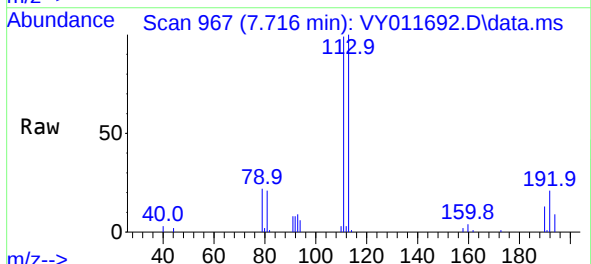
Tgt Ion:113 Resp: 22830

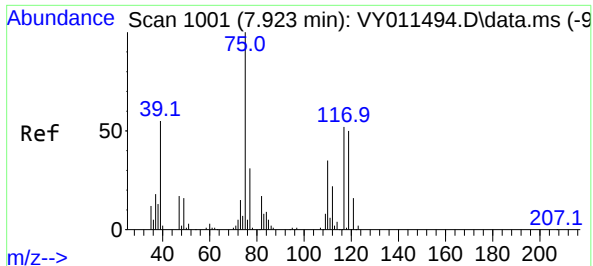
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 19.2 17.6 26.4

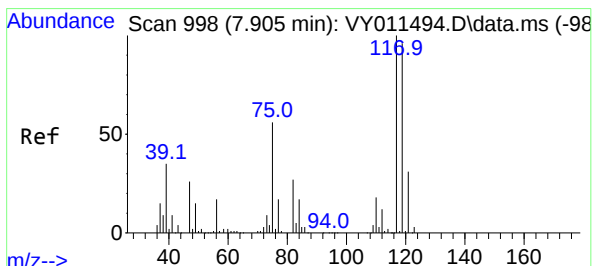
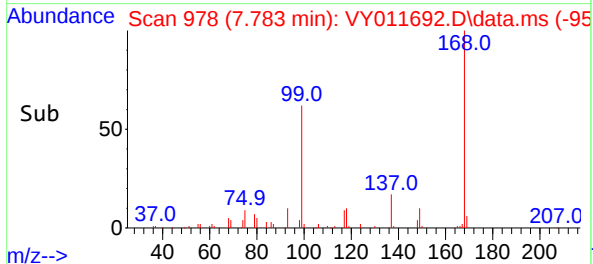
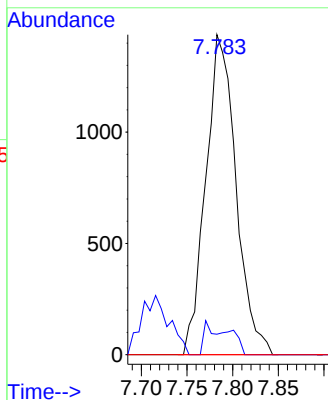
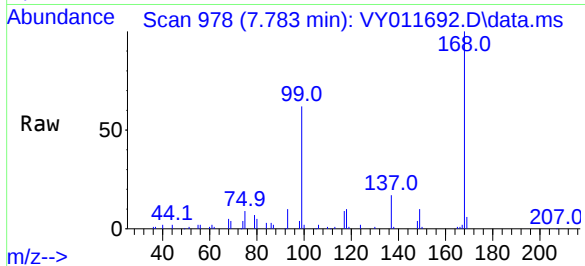




#36
1,1-Dichloropropene
Concen: 5.363 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

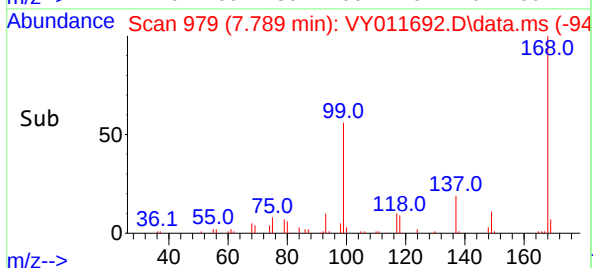
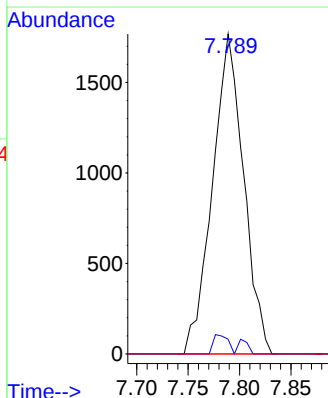
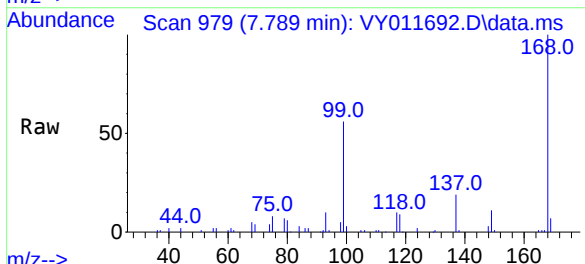
Instrument :
MSVOA_Y
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ML-2

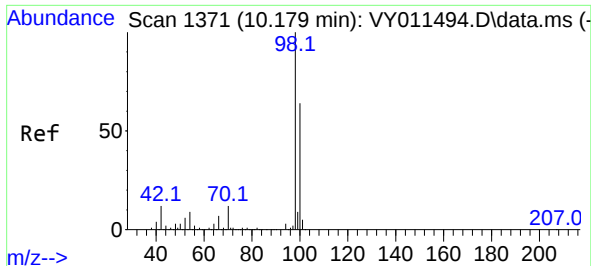
Tgt Ion: 75 Resp: 3314
Ion Ratio Lower Upper
75 100
110 3.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Tgt Ion: 117 Resp: 3720
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#

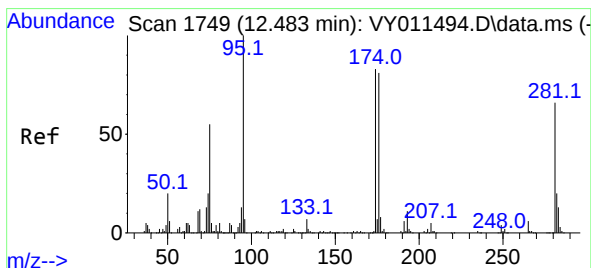
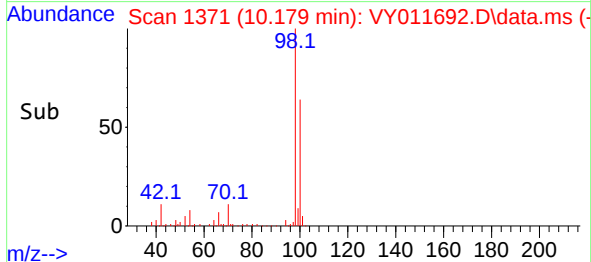
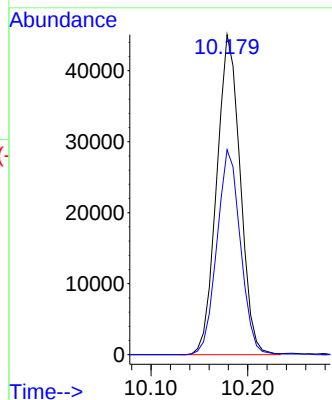
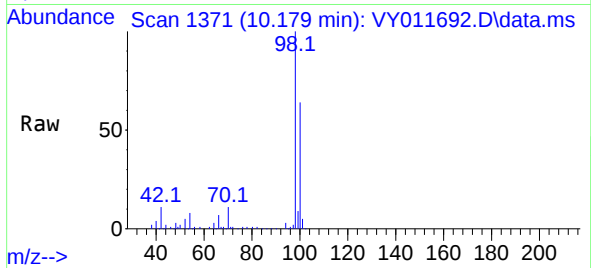




#50
Toluene-d8
Concen: 52.909 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

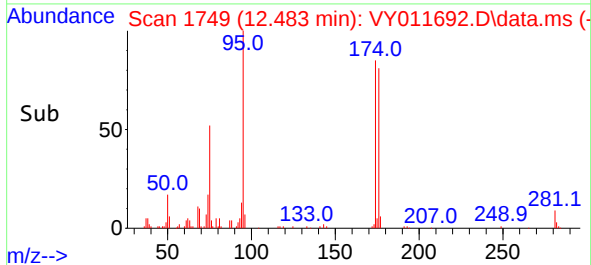
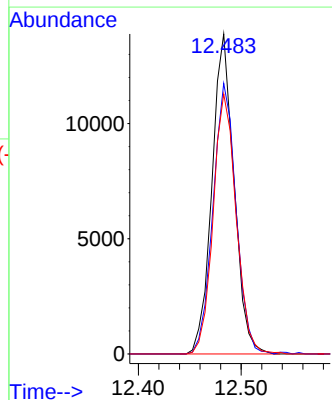
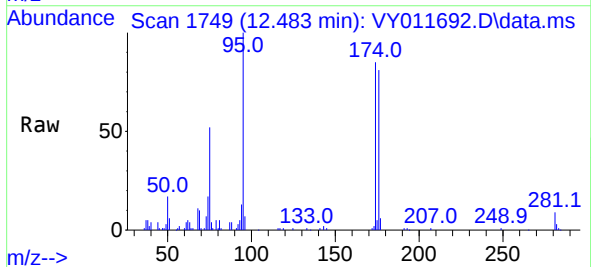
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

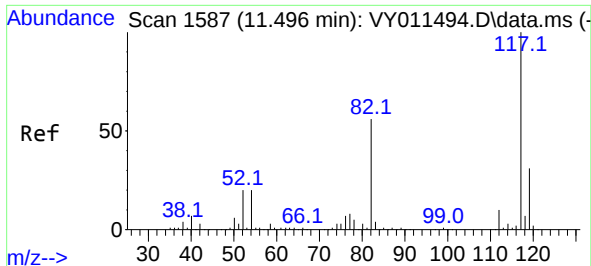
Tgt Ion: 98 Resp: 76006
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.828 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Tgt Ion: 95 Resp: 20623
Ion Ratio Lower Upper
95 100
174 88.3 0.0 177.0
176 84.9 0.0 175.8

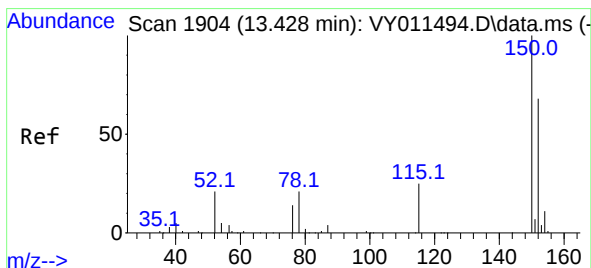
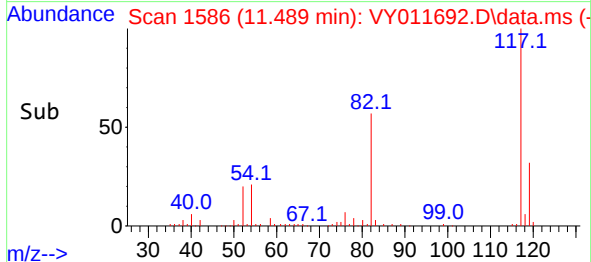
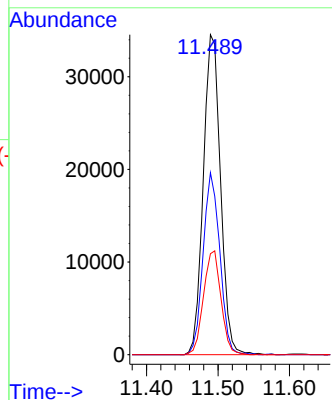
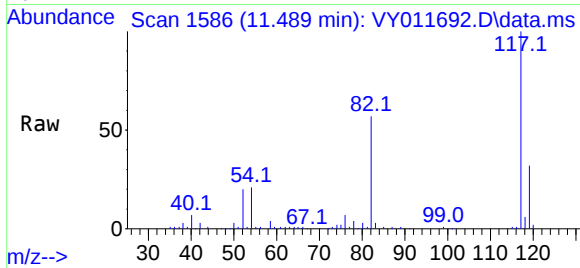




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

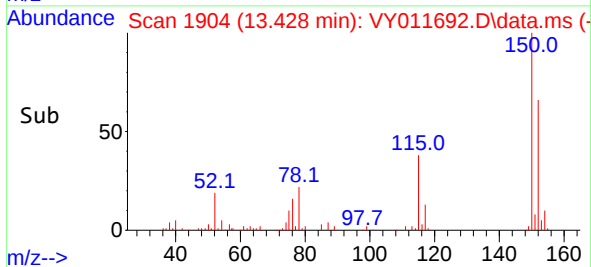
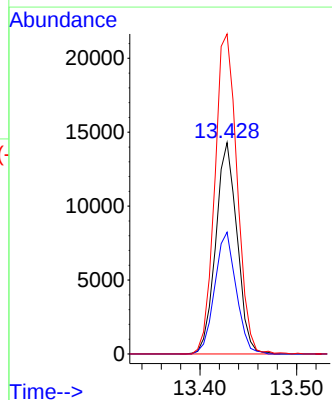
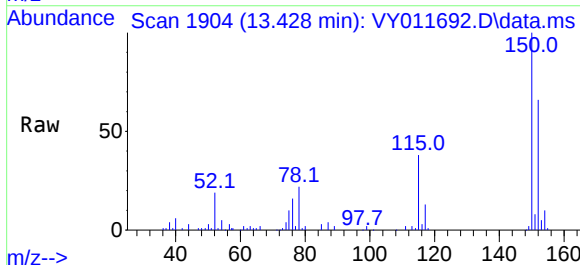
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

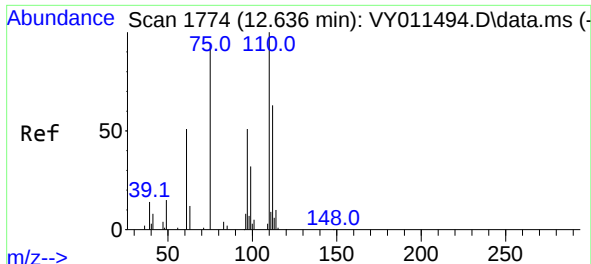
Tgt Ion:117 Resp: 57890
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Tgt Ion:152 Resp: 21879
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 158.1 0.0 347.6

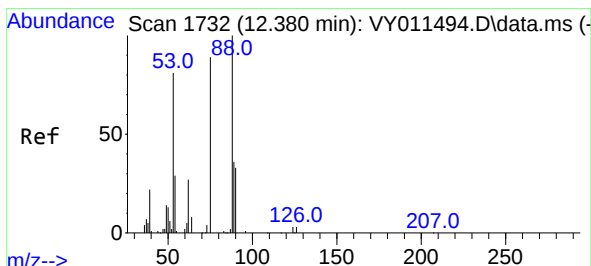
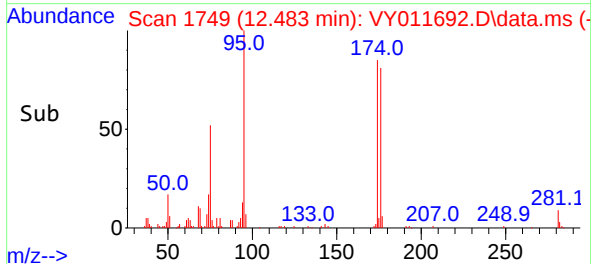
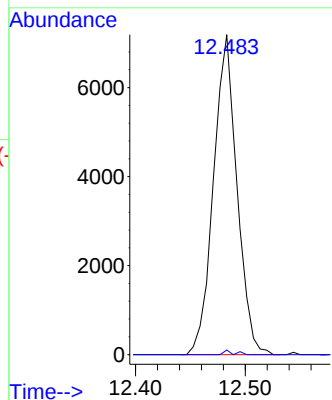
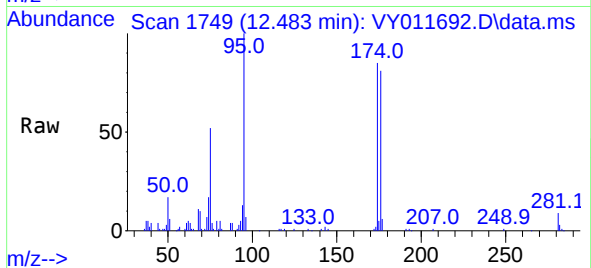




#76
1,2,3-Trichloropropane
Concen: 45.450 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

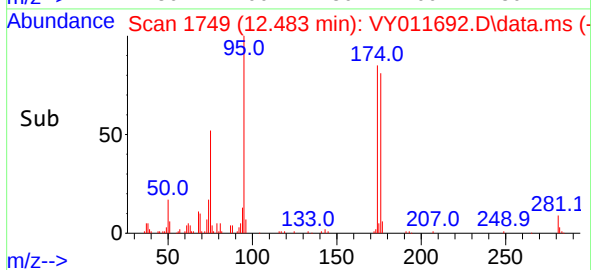
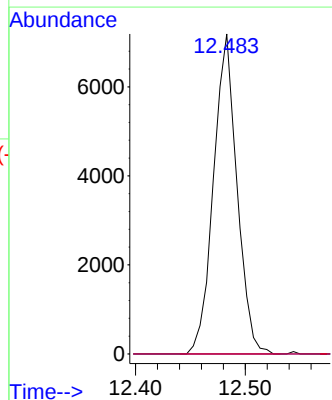
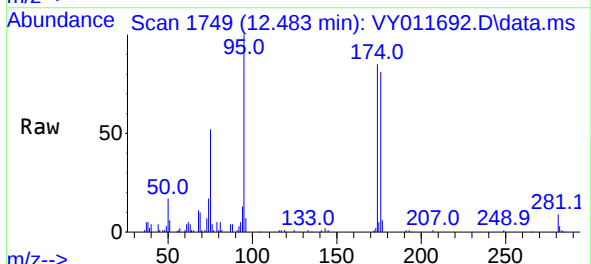
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

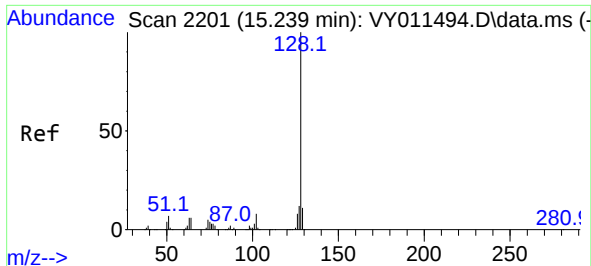
Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.551 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

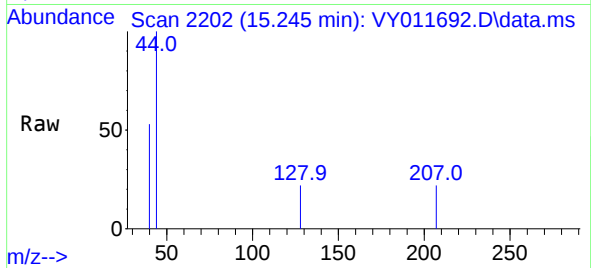
Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.380 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011692.D
Acq: 05 Dec 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :
ML-2



Tgt Ion:	128	Resp:	303
Ion	Ratio	Lower	Upper
128	100		
127	7.3	11.0	16.4#
129	0.0	8.4	12.6#

