

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012536.D
 Acq On : 08 Feb 2023 12:42
 Operator : KP/MD
 Sample : 01466-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-3RE

Quant Time: Feb 09 07:13:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

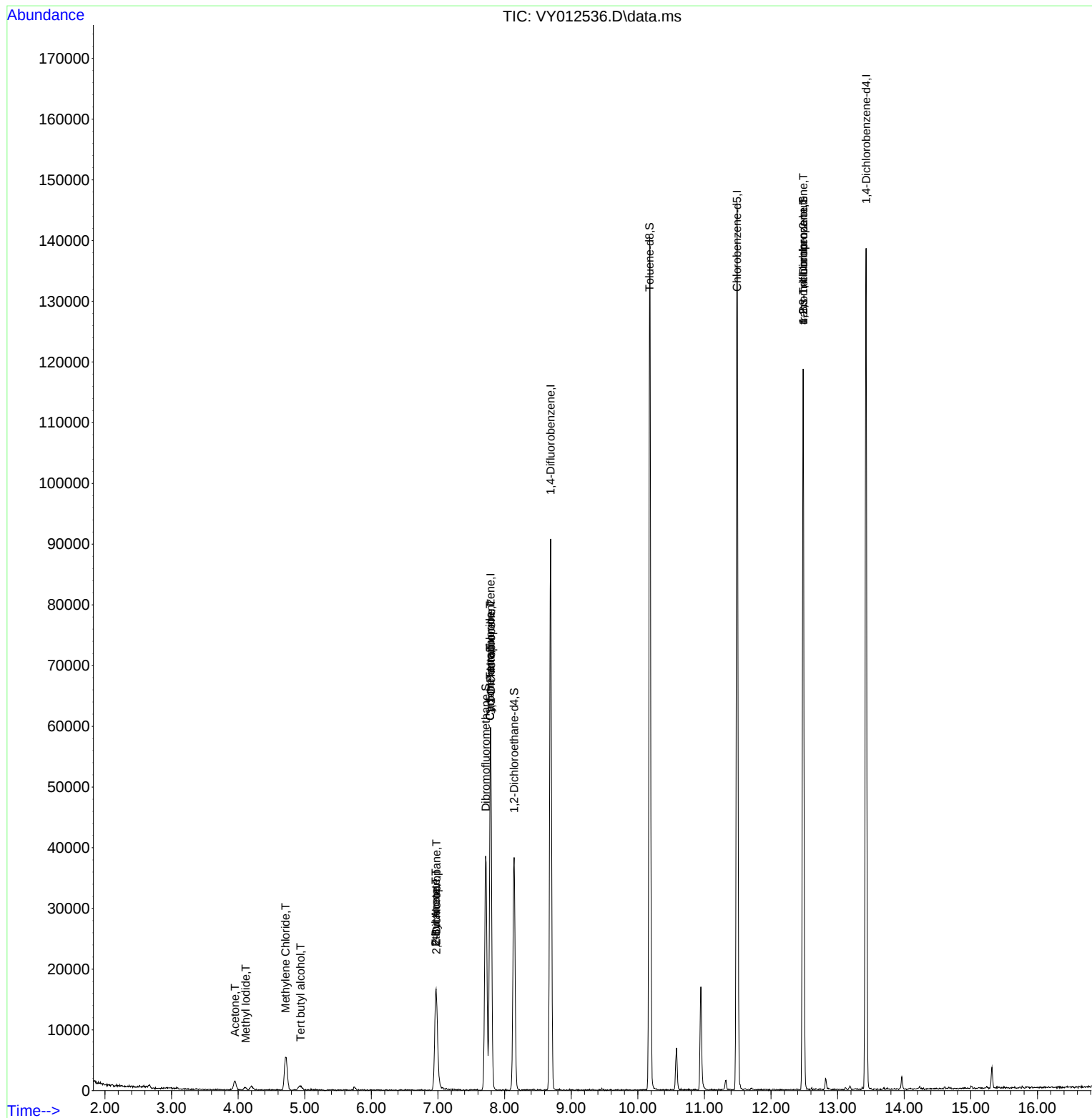
Internal Standards						
1) Pentafluorobenzene	7.789	168	48008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	81329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	85631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	32832	53.781	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.560%			
35) Dibromofluoromethane	7.715	113	26541	44.811	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.620%			
50) Toluene-d8	10.178	98	96992	39.343	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 78.680%			
62) 4-Bromofluorobenzene	12.483	95	33085	38.476	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.960%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	242	Below Cal	#	72
10) Methyl Iodide	4.112	142	743	1.185	ug/l #	88
11) Tert butyl alcohol	4.935	59	660	2.216	ug/l #	75
16) Acetone	3.954	43	2755	18.750	ug/l	95
20) Methylene Chloride	4.710	84	4777	4.899	ug/l	98
25) 2-Butanone	6.966	43	456	2.797	ug/l	90
26) 2,2-Dichloropropane	6.978	77	1357	1.458	ug/l #	53
31) Cyclohexane	7.783	56	736	1.043	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	3249	4.053	ug/l #	48
37) Ethyl Acetate	6.966	43	456	1.261	ug/l #	1
38) Carbon Tetrachloride	7.783	117	4727	4.393	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	17171	39.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	17171	88.945	ug/l #	12

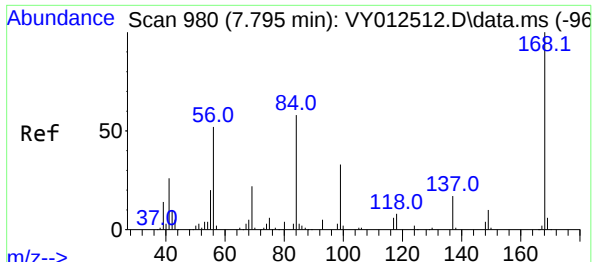
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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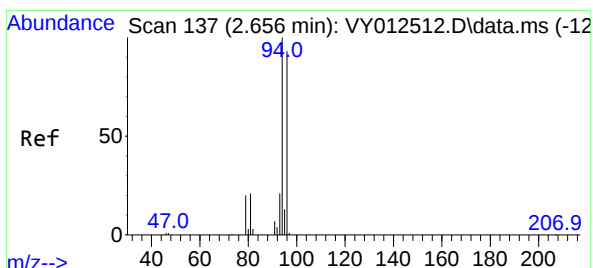
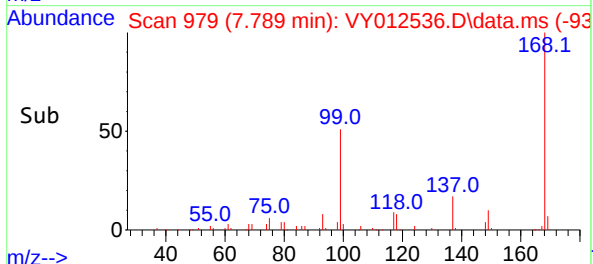
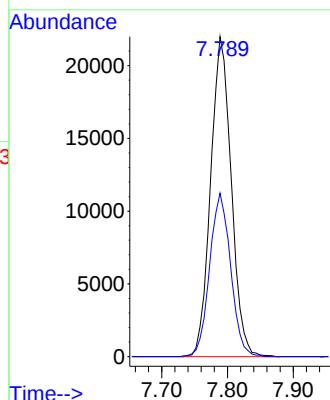
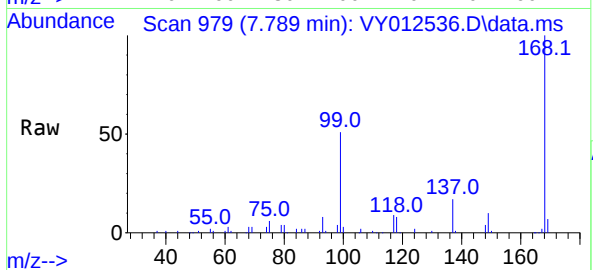




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

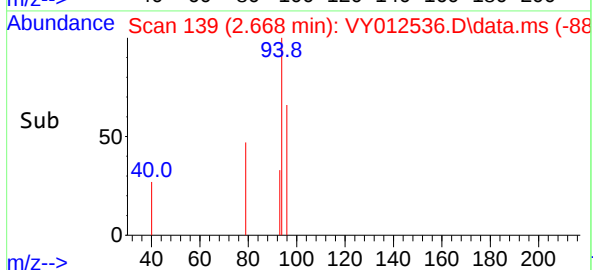
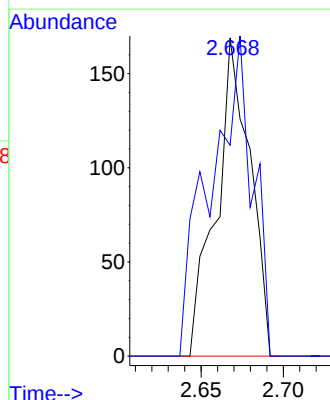
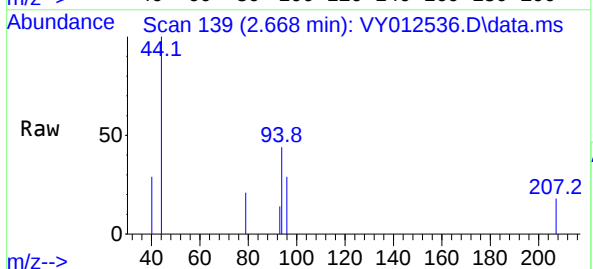
Instrument :
MSVOA_Y
ClientSampleId :
A-3RE

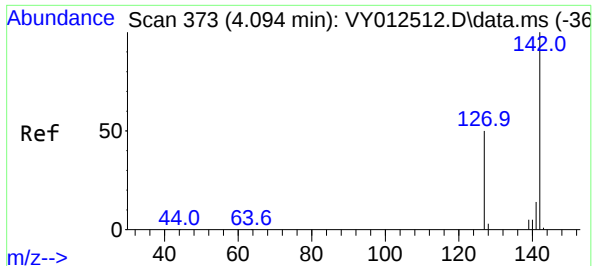
Tgt Ion:168 Resp: 48008
Ion Ratio Lower Upper
168 100
99 51.1 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 66.3 74.7 112.1#





#10

Methyl Iodide

Concen: 1.185 ug/l

RT: 4.112 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY012536.D

Acq: 08 Feb 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

A-3RE

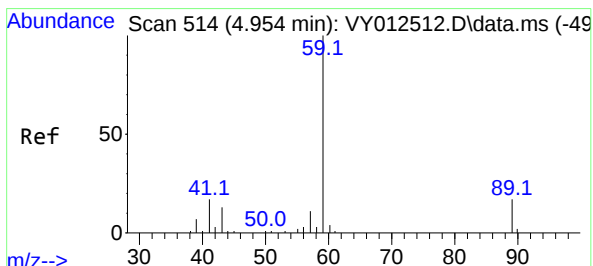
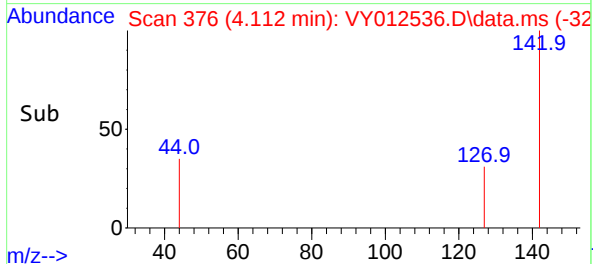
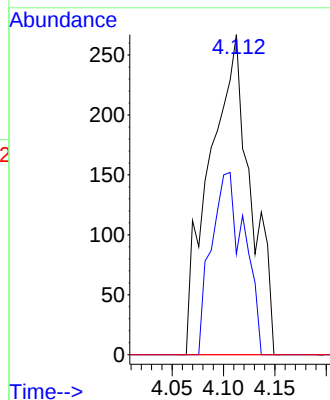
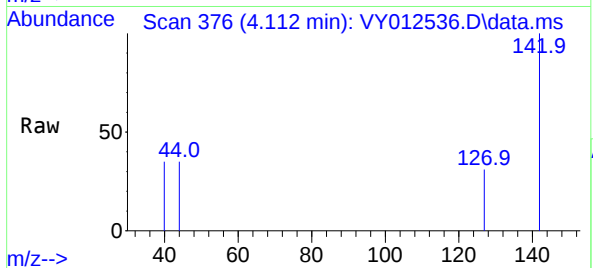
Tgt Ion:142 Resp: 743

Ion Ratio Lower Upper

142 100

127 45.9 39.8 59.6

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: 2.216 ug/l

RT: 4.935 min Scan# 511

Delta R.T. -0.019 min

Lab File: VY012536.D

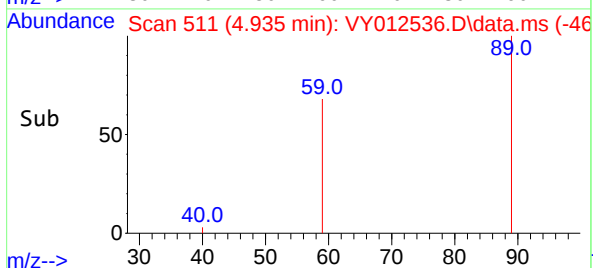
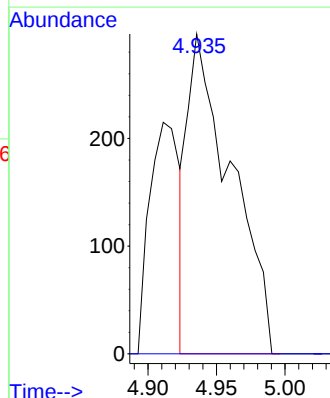
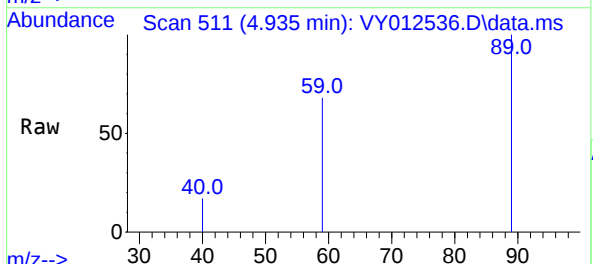
Acq: 08 Feb 2023 12:42

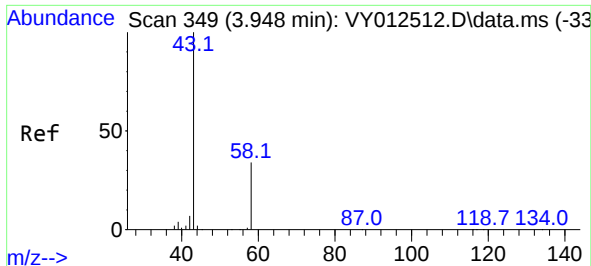
Tgt Ion: 59 Resp: 660

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#

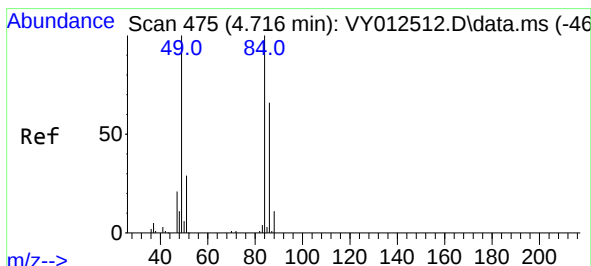
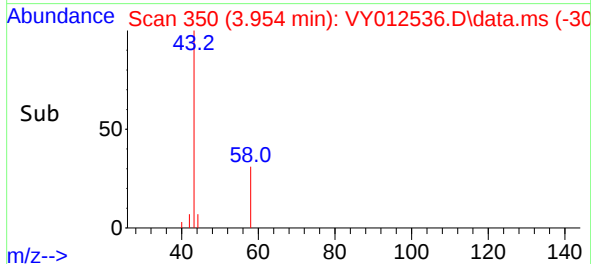
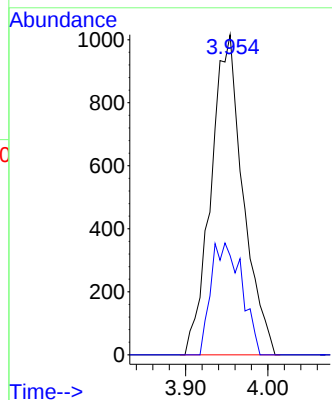
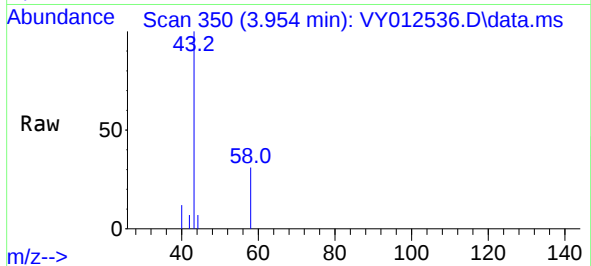




#16
Acetone
Concen: 18.750 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

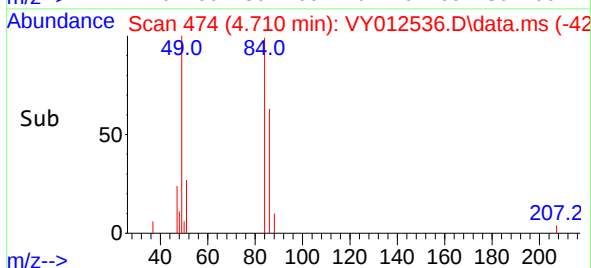
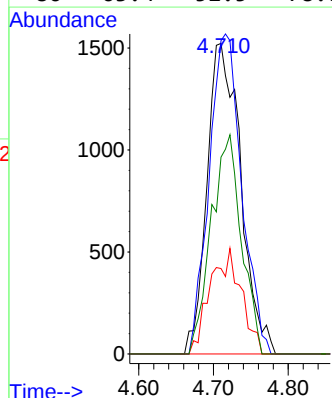
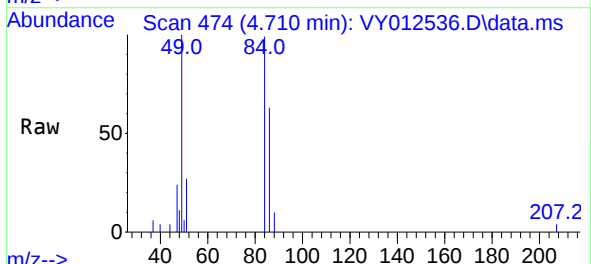
Instrument :
MSVOA_Y
ClientSampleId :
A-3RE

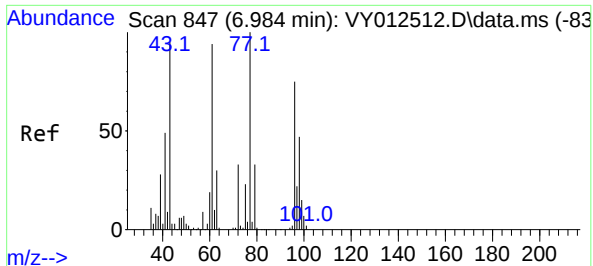
Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
58 31.0 27.1 40.7



#20
Methylene Chloride
Concen: 4.899 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Tgt Ion: 84 Resp: 4777
Ion Ratio Lower Upper
84 100
49 100.9 79.8 119.6
51 27.5 23.4 35.2
86 63.4 52.5 78.7





#25

2-Butanone

Concen: 2.797 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.019 min

Lab File: VY012536.D

Acq: 08 Feb 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

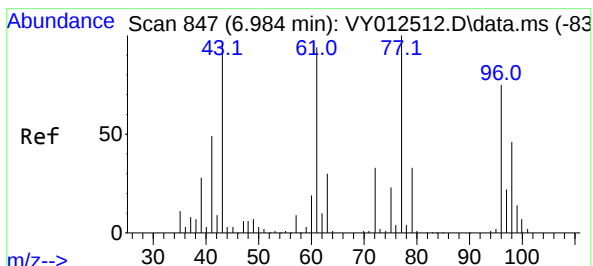
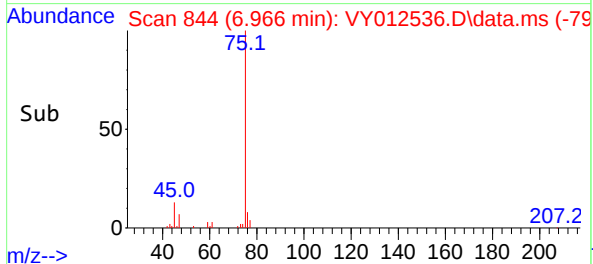
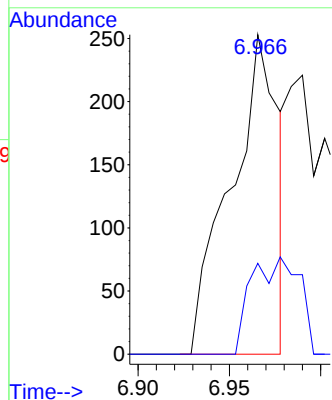
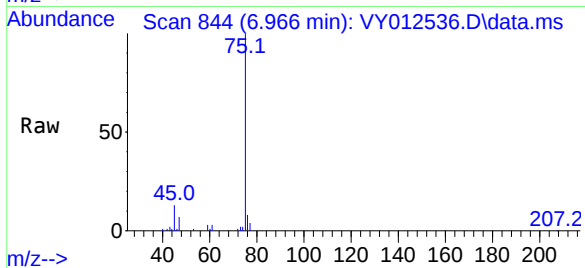
A-3RE

Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

72 28.5 27.4 41.2



#26

2,2-Dichloropropane

Concen: 1.458 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012536.D

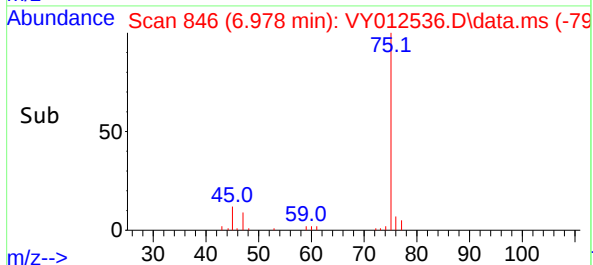
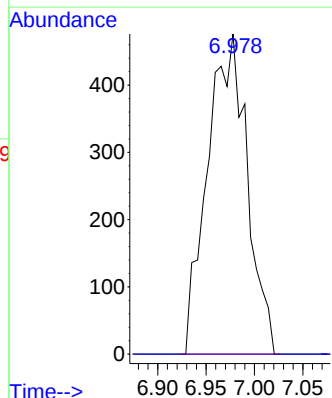
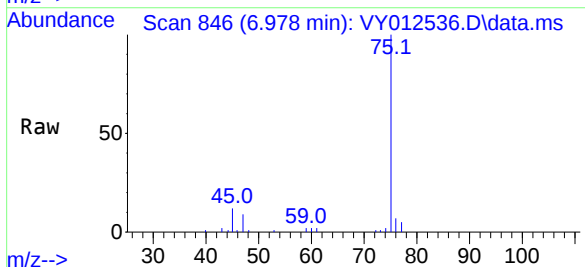
Acq: 08 Feb 2023 12:42

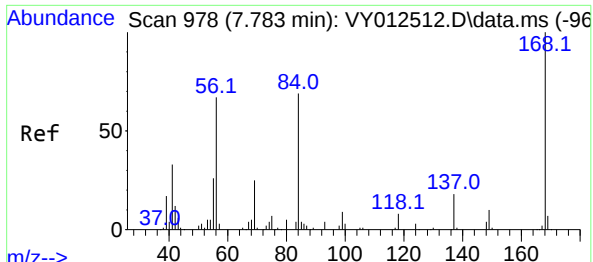
Tgt Ion: 77 Resp: 1357

Ion Ratio Lower Upper

77 100

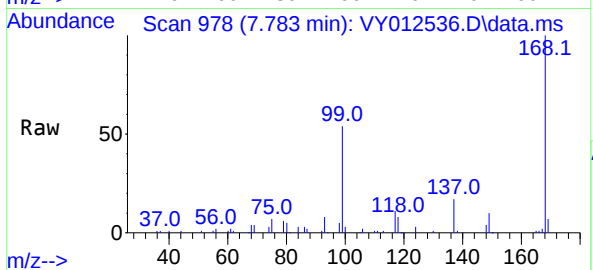
97 0.0 11.4 34.1#



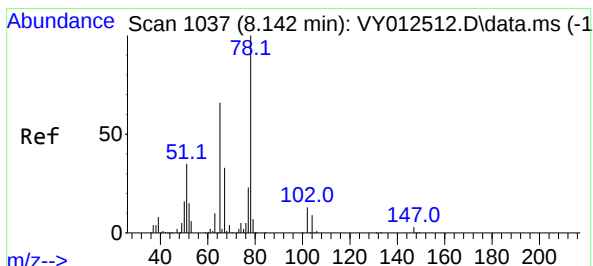
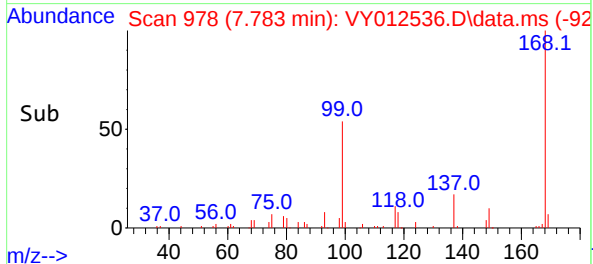
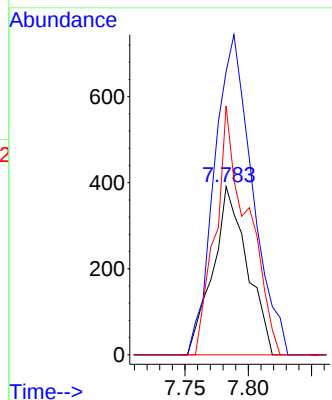


#31
Cyclohexane
Concen: 1.043 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Instrument :
MSVOA_Y
ClientSampleId :
A-3RE

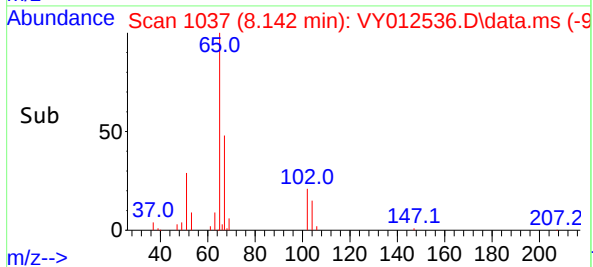
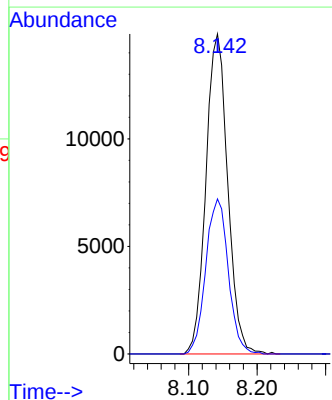
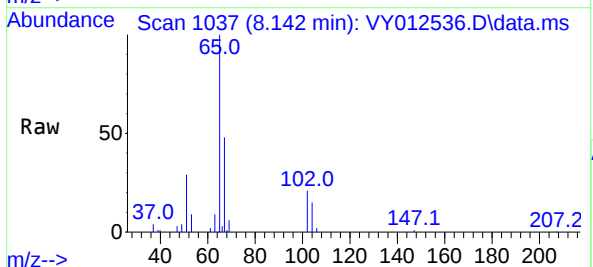


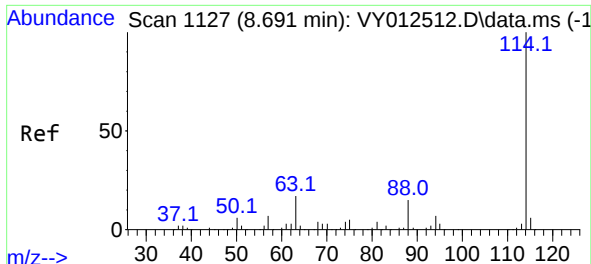
Tgt Ion: 56 Resp: 736
Ion Ratio Lower Upper
56 100
69 168.3 29.5 44.3#
84 147.8 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 53.781 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Tgt Ion: 65 Resp: 32832
Ion Ratio Lower Upper
65 100
67 50.1 0.0 98.6

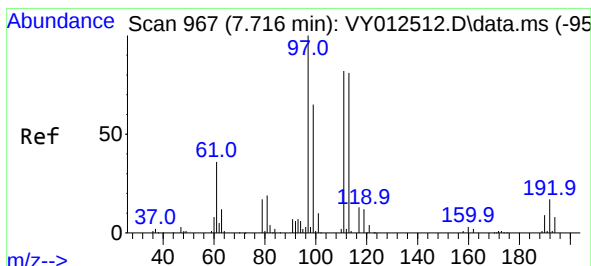
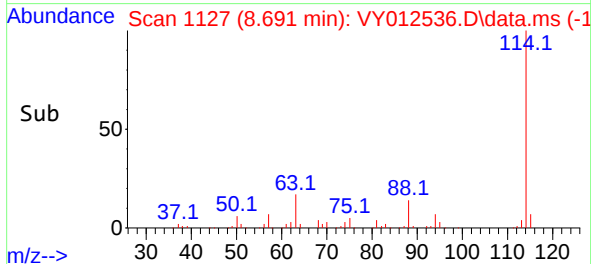
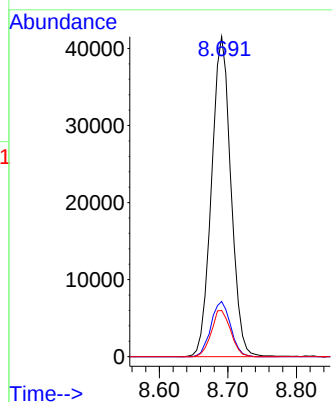
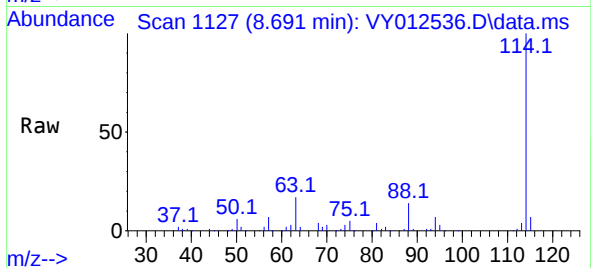




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

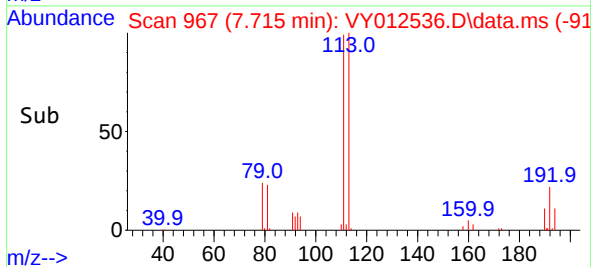
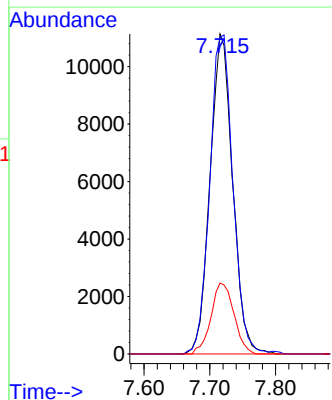
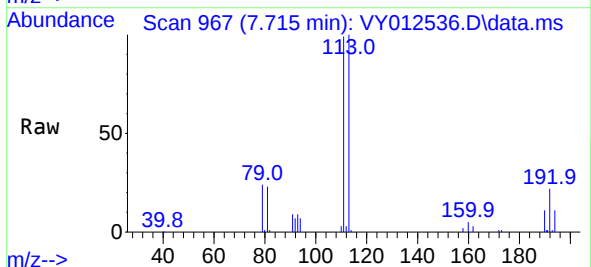
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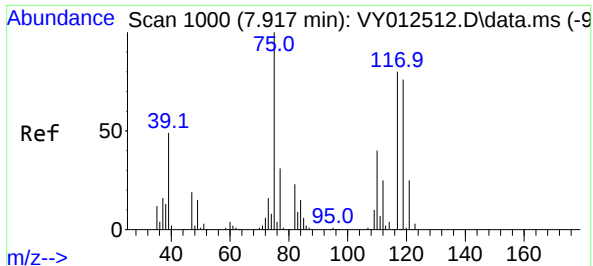
Tgt Ion:114 Resp: 81329
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.6
88 14.4 0.0 29.8



#35
Dibromofluoromethane
Concen: 44.811 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Tgt Ion:113 Resp: 26541
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 22.6 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.053 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY012536.D

Acq: 08 Feb 2023 12:42

Instrument :

MSVOA_Y

ClientSampleId :

A-3RE

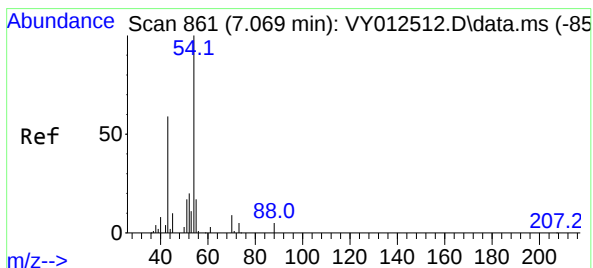
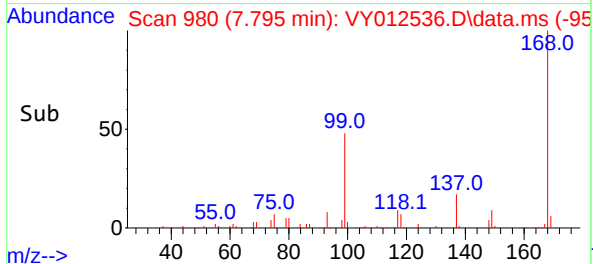
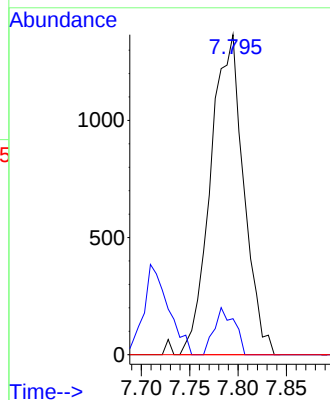
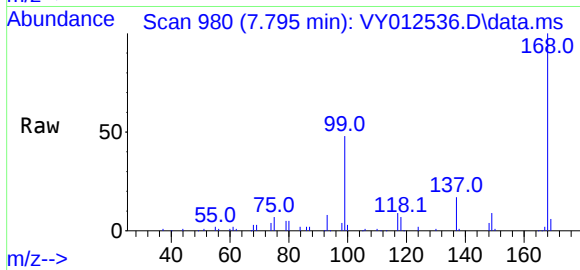
Tgt Ion: 75 Resp: 3249

Ion Ratio Lower Upper

75 100

110 9.0 19.5 58.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.261 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.104 min

Lab File: VY012536.D

Acq: 08 Feb 2023 12:42

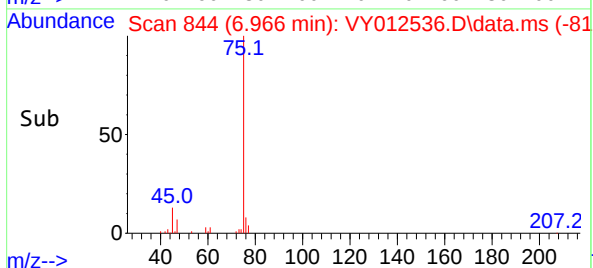
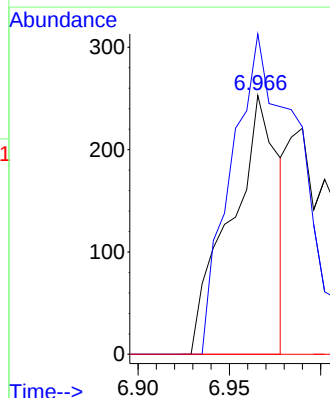
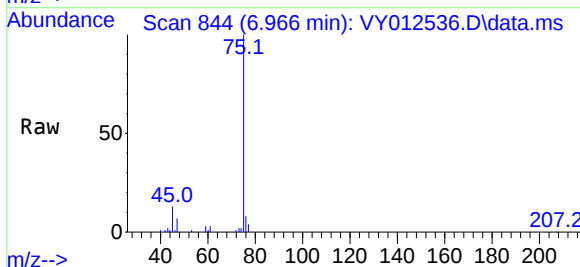
Tgt Ion: 43 Resp: 456

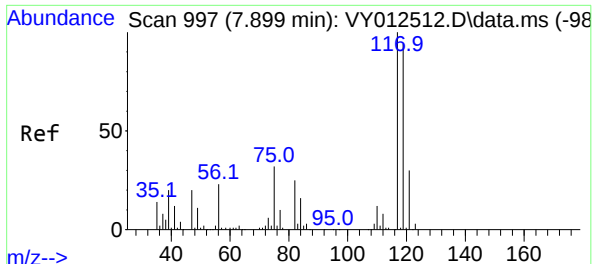
Ion Ratio Lower Upper

43 100

61 177.9 12.5 18.7#

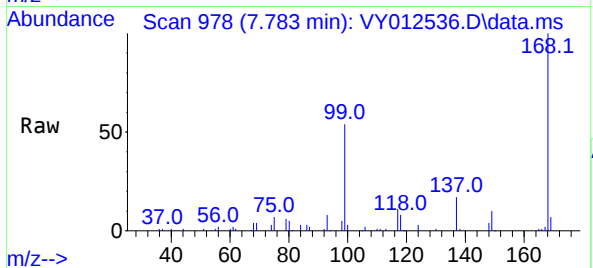
70 0.0 11.0 16.4#



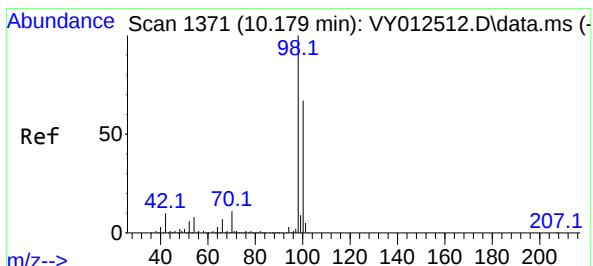
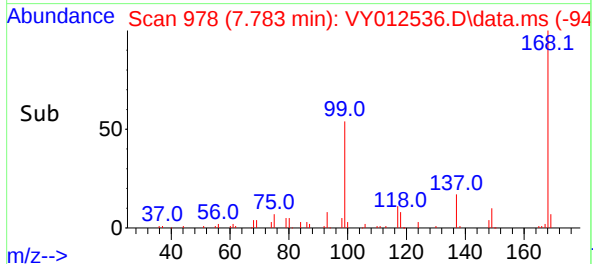
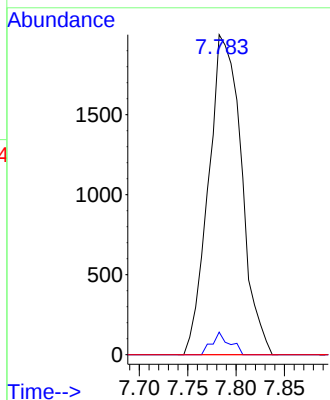


#38
Carbon Tetrachloride
Concen: 4.393 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Instrument :
MSVOA_Y
ClientSampleId :
A-3RE

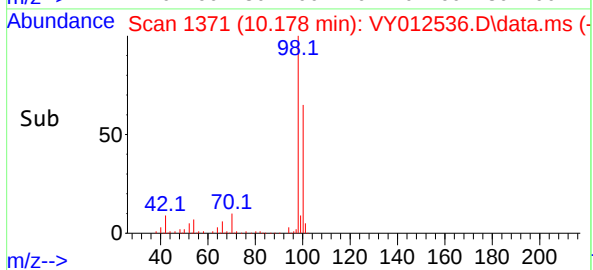
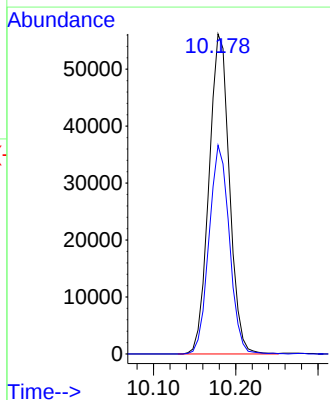
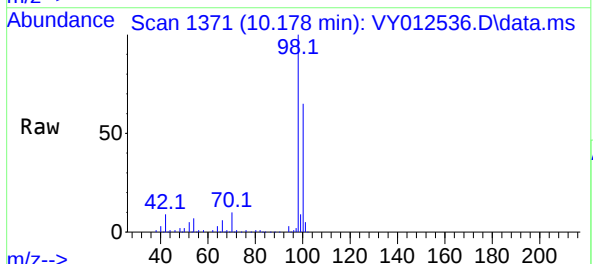


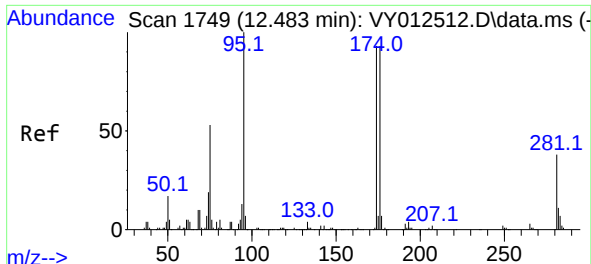
Tgt Ion:117 Resp: 4727
Ion Ratio Lower Upper
117 100
119 7.1 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 39.343 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Tgt Ion: 98 Resp: 96992
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2

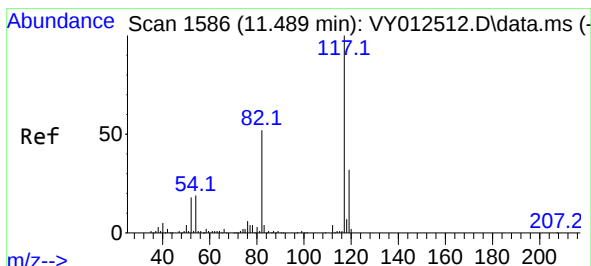
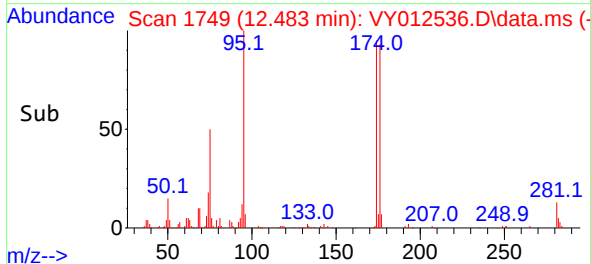
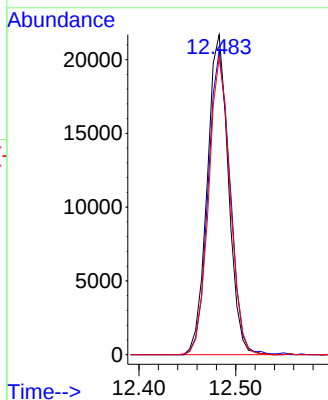
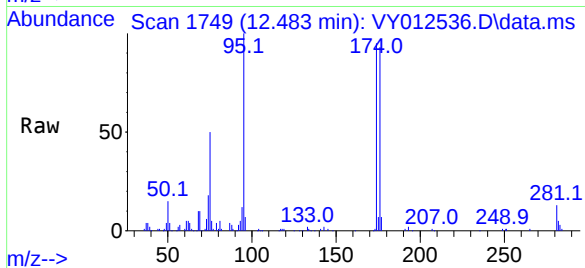




#62
4-Bromofluorobenzene
Concen: 38.476 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

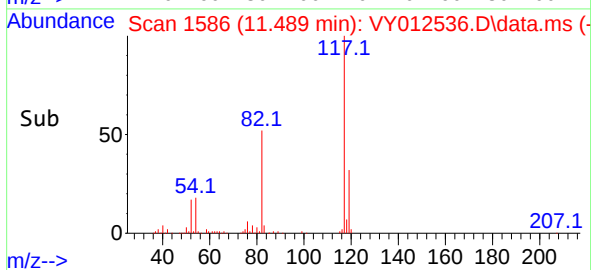
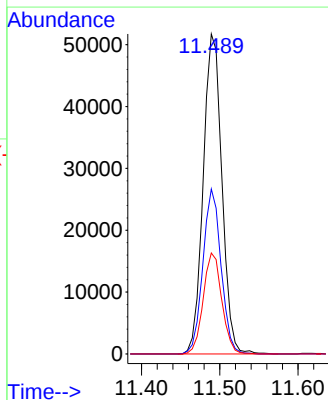
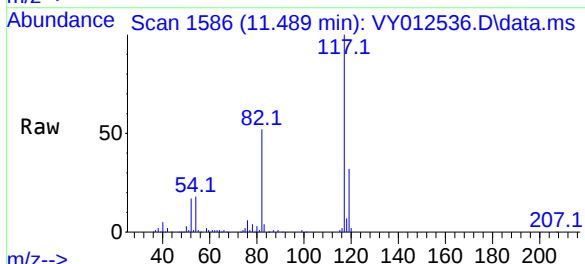
Instrument :
MSVOA_Y
ClientSampleId :
A-3RE

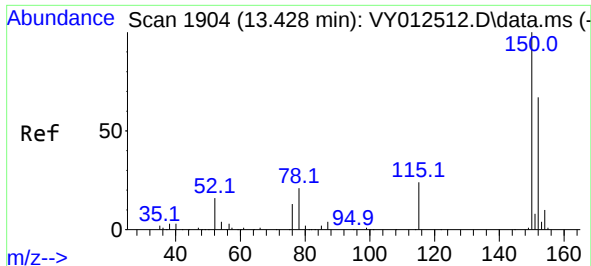
Tgt Ion:	95	Resp:	33085
Ion	Ratio	Lower	Upper
95	100		
174	97.5	0.0	188.0
176	94.2	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

Tgt Ion:	117	Resp:	85631
Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.7	62.5
119	31.5	25.8	38.8

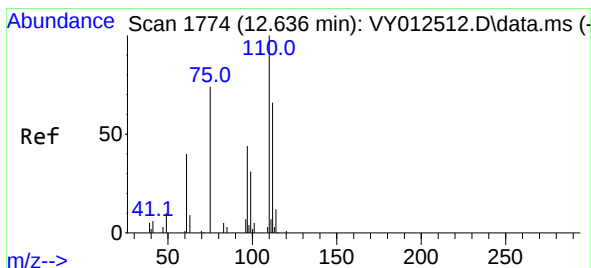
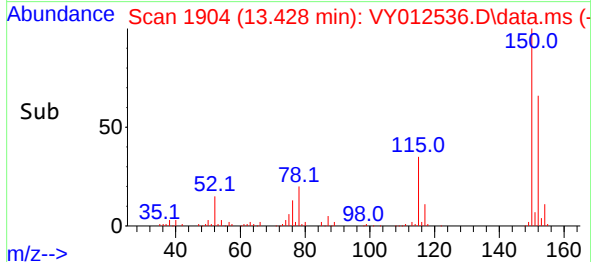
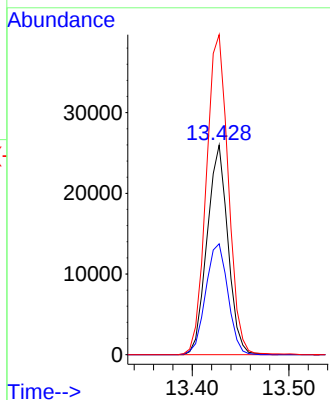
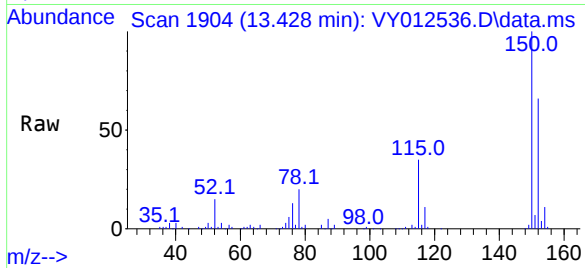




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

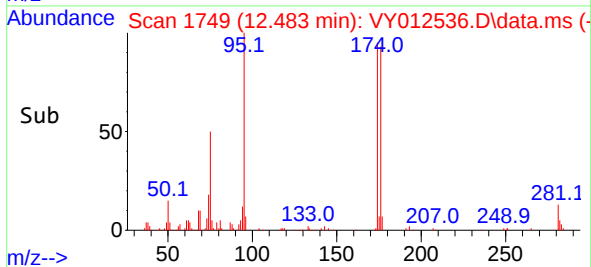
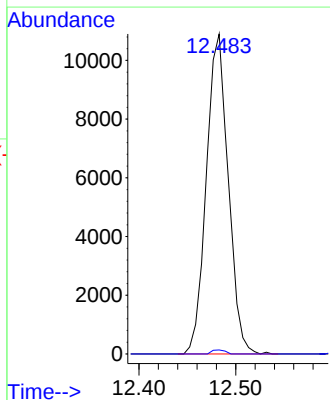
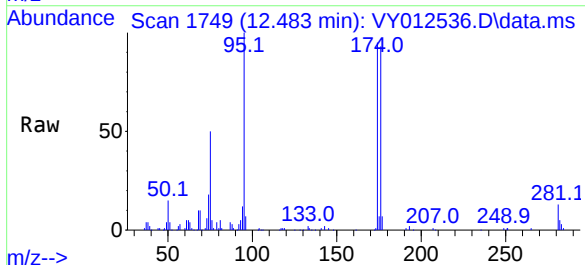
Instrument :
MSVOA_Y
ClientSampleId :
A-3RE

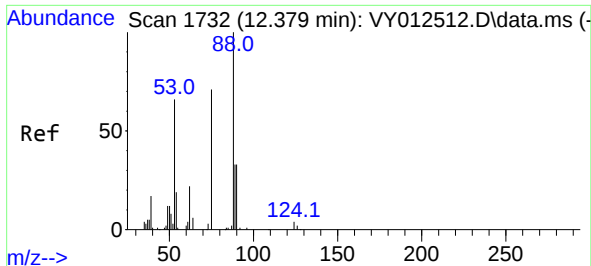
Tgt Ion:152 Resp: 38966
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.3
150 160.8 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 39.443 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012536.D
Acq: 08 Feb 2023 12:42

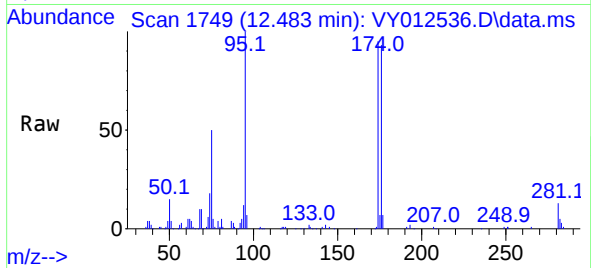
Tgt Ion: 75 Resp: 17171
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.945 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012536.D
 Acq: 08 Feb 2023 12:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-3RE



Tgt Ion:	75	Resp:	17171
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.1	109.7#
89	0.4	39.9	59.9#

