

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011223\
 Data File : VY012169.D
 Acq On : 12 Jan 2023 11:01
 Operator : KP/MD
 Sample : VY0112SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0112SBL01

Quant Time: Jan 12 13:36:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

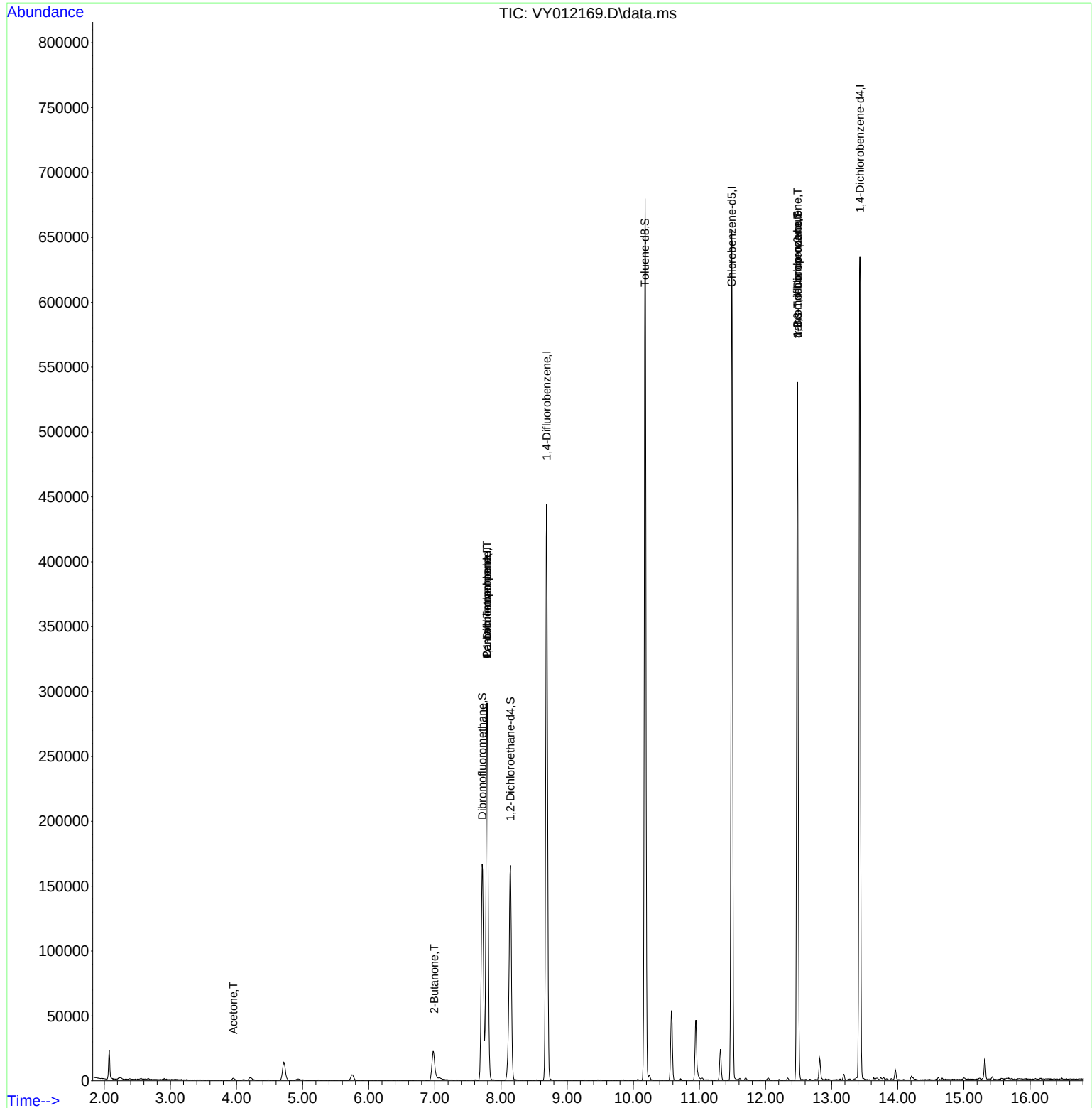
Internal Standards						
1) Pentafluorobenzene	7.789	168	230300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	390783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	369557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	128656	49.717	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.440%		
35) Dibromofluoromethane	7.716	113	118548	46.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.300%		
50) Toluene-d8	10.179	98	461350	45.506	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.020%		
62) 4-Bromofluorobenzene	12.483	95	155784	43.961	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	61	Below Cal	#	41
3) Chloromethane	2.119	50	352	Below Cal	#	78
5) Bromomethane	2.668	94	319	Below Cal		84
11) Tert butyl alcohol	4.936	59	977	Below Cal	#	74
16) Acetone	3.954	43	2791	4.585	ug/l	92
20) Methylene Chloride	4.722	84	11526	Below Cal	#	80
25) 2-Butanone	6.990	43	2349	2.925	ug/l	89
31) Cyclohexane	7.789	56	4306	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	16458	4.223	ug/l #	49
38) Carbon Tetrachloride	7.789	117	22399	4.529	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	79060	40.944	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	79060	90.930	ug/l #	13

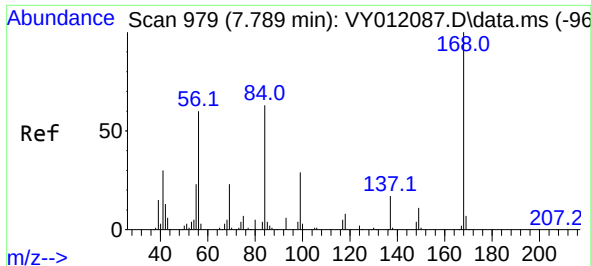
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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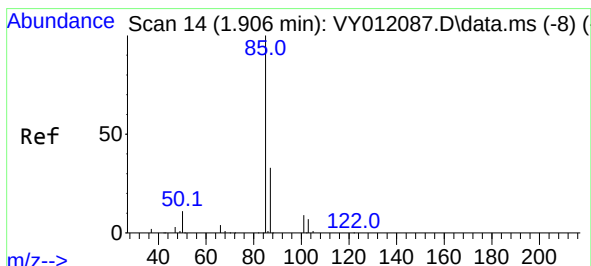
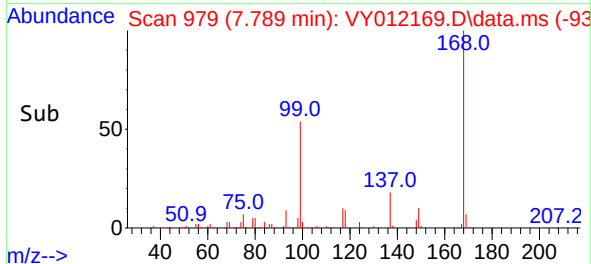
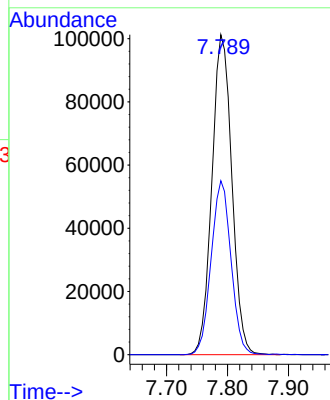
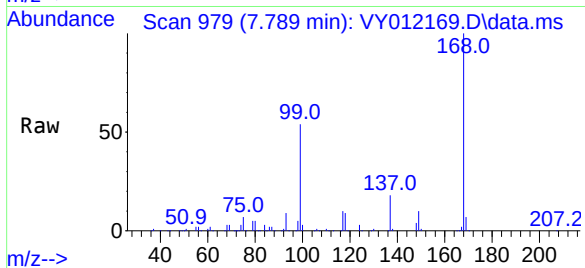




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

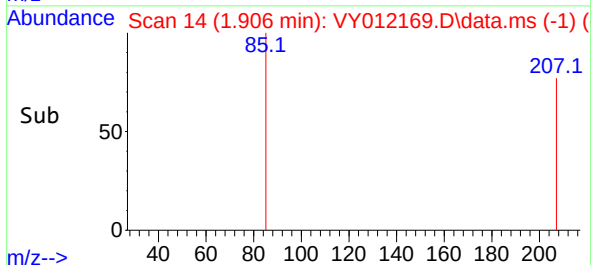
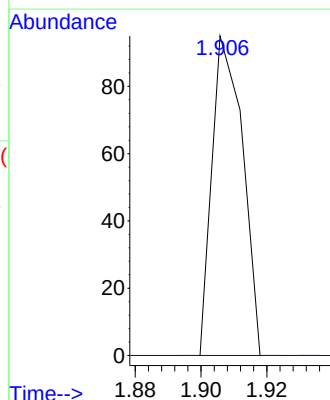
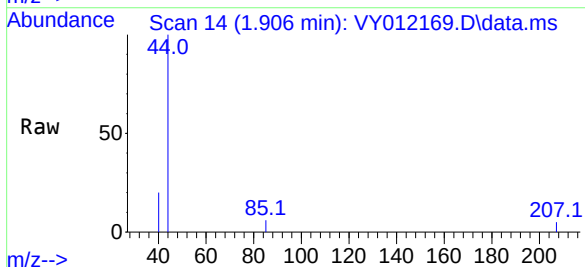
Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

Tgt Ion:168 Resp: 230300
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0

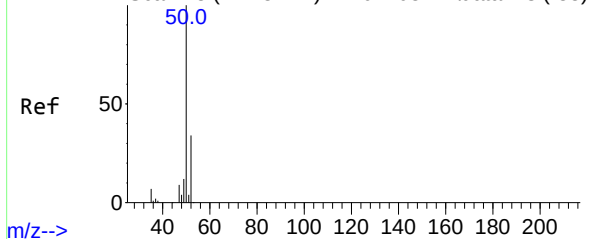


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VY0112SBL01

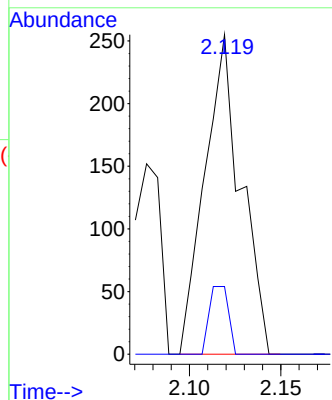
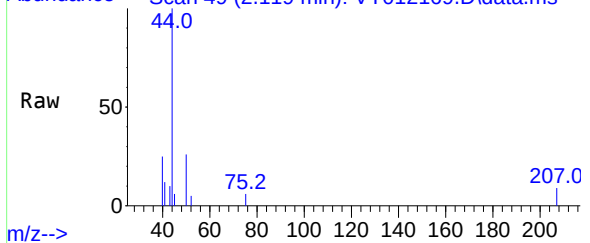
Tgt Ion: 50 Resp: 352

Ion Ratio Lower Upper

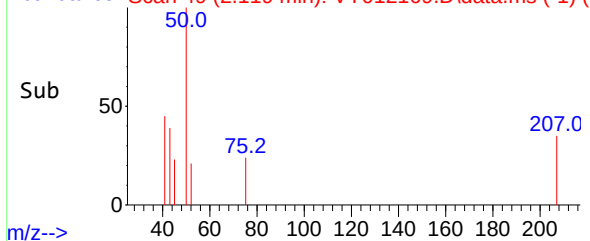
50 100

52 21.2 26.8 40.2#

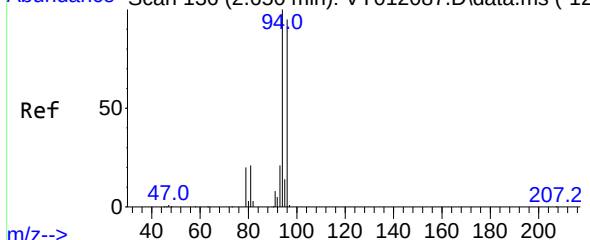
Abundance Scan 49 (2.119 min): VY012169.D\data.ms



Abundance Scan 49 (2.119 min): VY012169.D\data.ms (-1)



Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.018 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

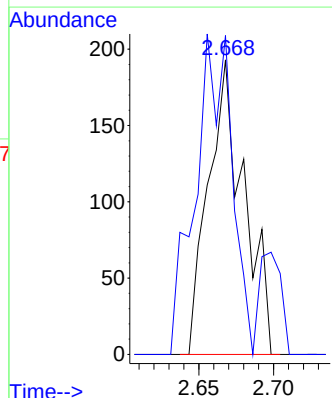
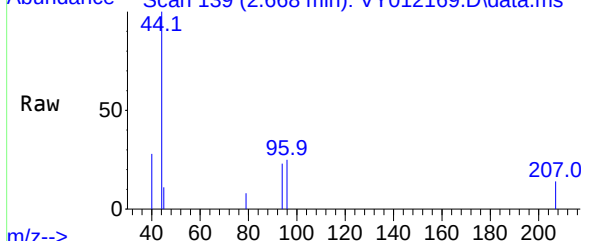
Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

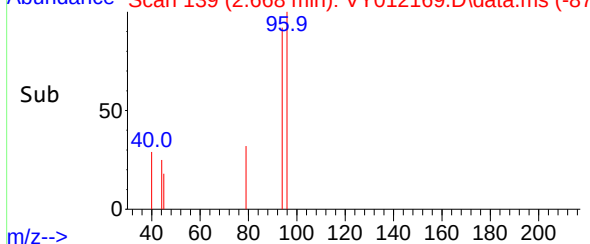
94 100

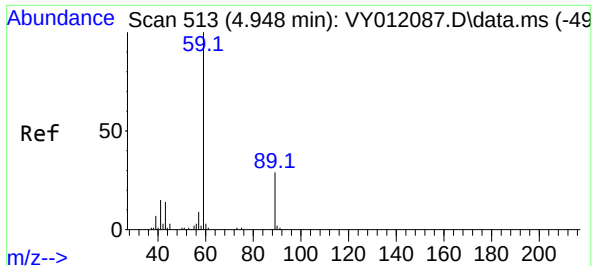
96 80.8 77.4 116.2

Abundance Scan 139 (2.668 min): VY012169.D\data.ms



Abundance Scan 139 (2.668 min): VY012169.D\data.ms (-87)





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

Instrument :

MSVOA_Y

ClientSampleId :

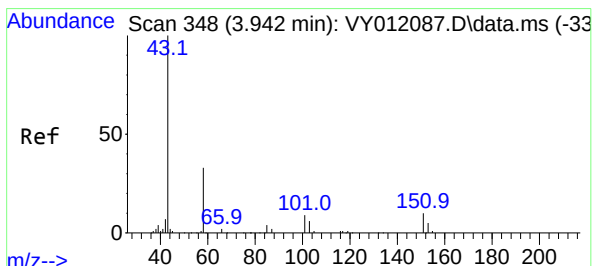
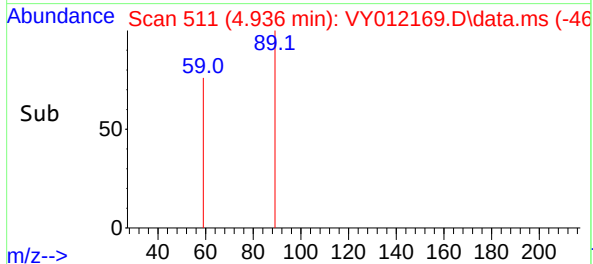
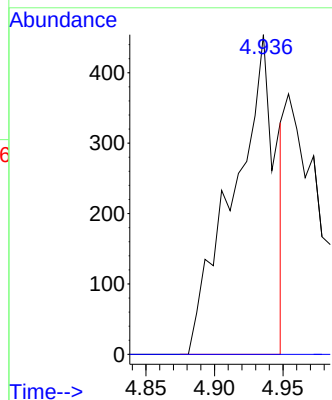
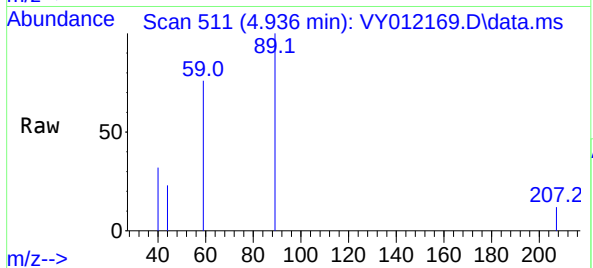
VY0112SBL01

Tgt Ion: 59 Resp: 977

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 4.585 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY012169.D

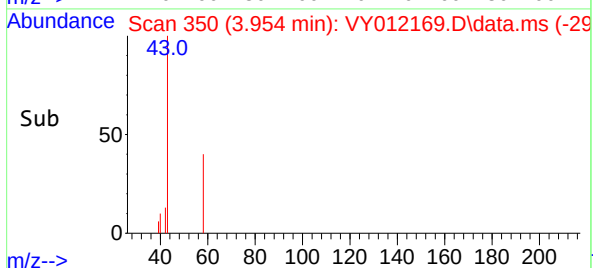
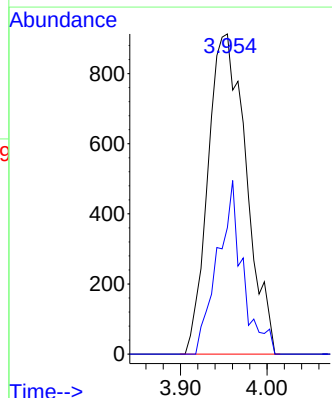
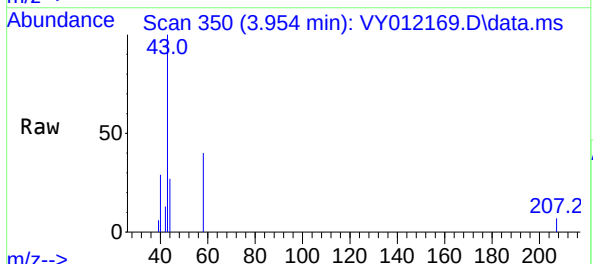
Acq: 12 Jan 2023 11:01

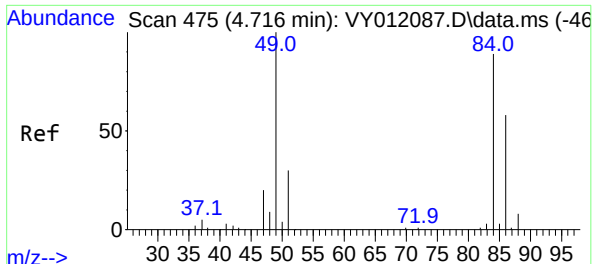
Tgt Ion: 43 Resp: 2791

Ion Ratio Lower Upper

43 100

58 39.5 27.9 41.9



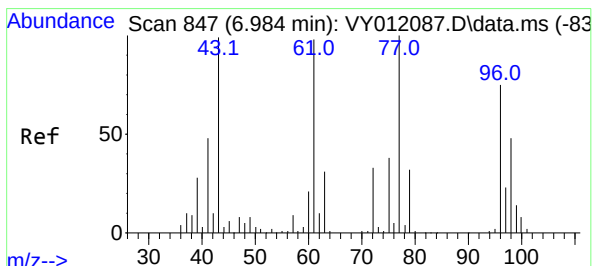
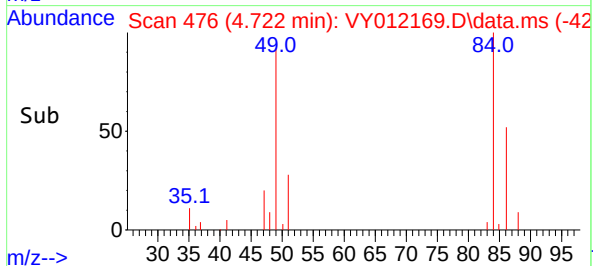
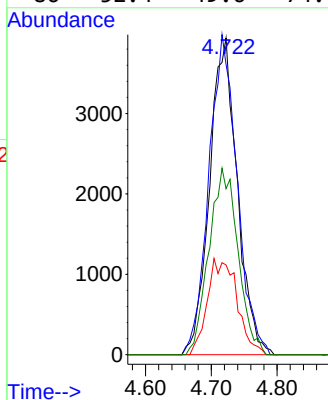
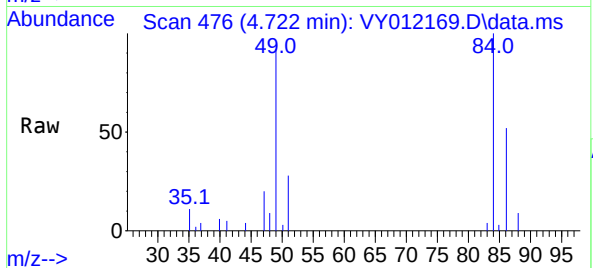


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

Tgt Ion: 84 Resp: 11526

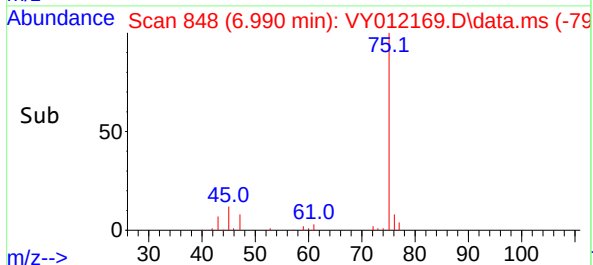
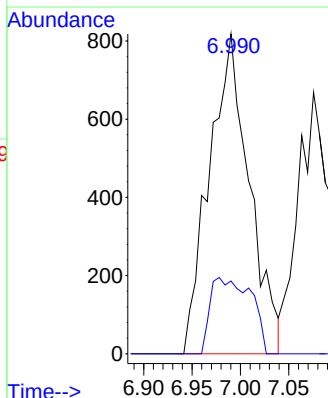
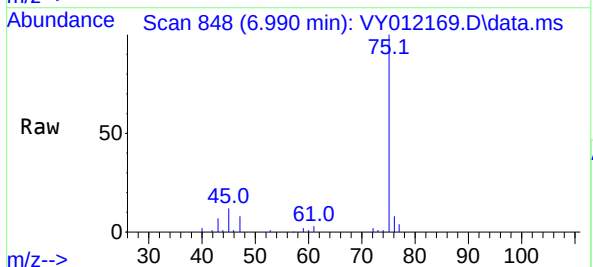
Ion	Ratio	Lower	Upper
84	100		
49	91.7	95.4	143.2#
51	28.3	29.9	44.9#
86	52.4	49.6	74.4

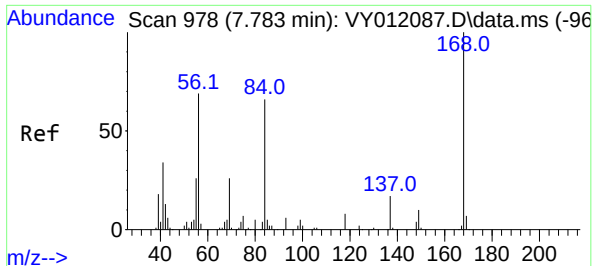


#25
2-Butanone
Concen: 2.925 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion: 43 Resp: 2349

Ion	Ratio	Lower	Upper
43	100		
72	22.7	22.6	34.0

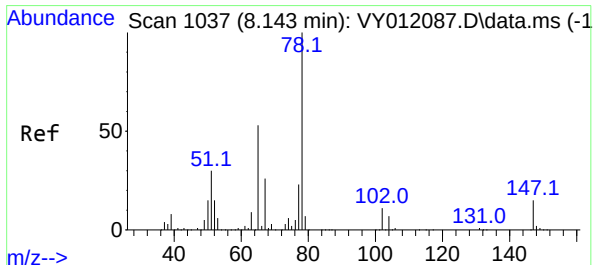
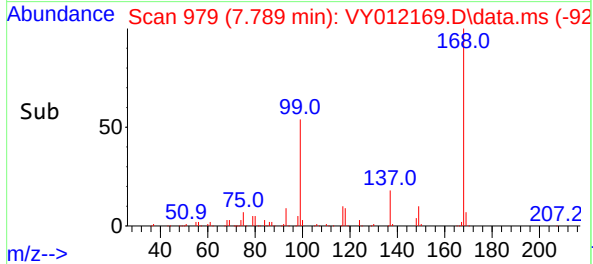
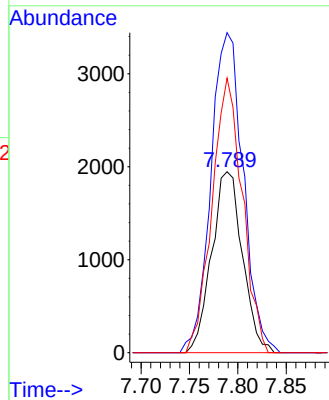
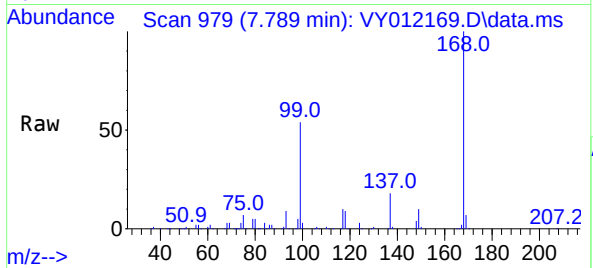




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

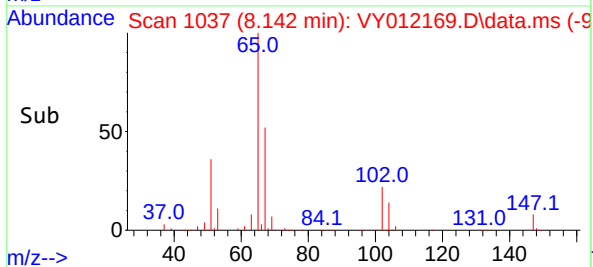
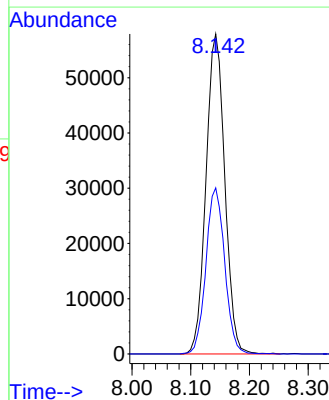
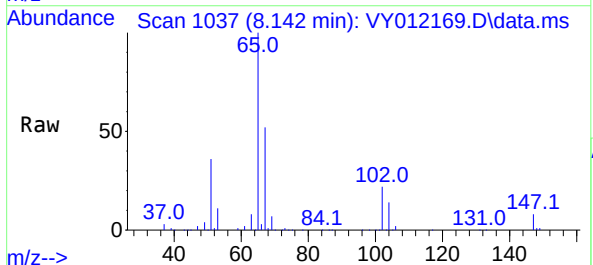
Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

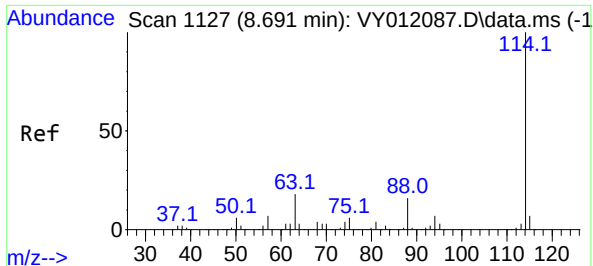
Tgt Ion: 56 Resp: 4306
Ion Ratio Lower Upper
56 100
69 176.8 29.2 43.8#
84 151.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 49.717 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion: 65 Resp: 128656
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.2

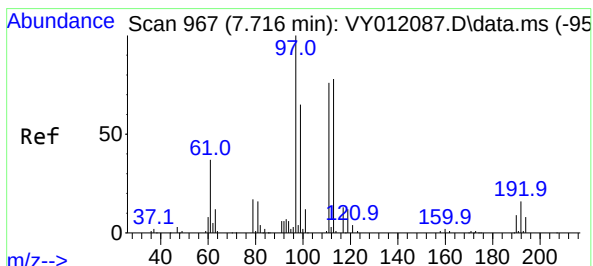
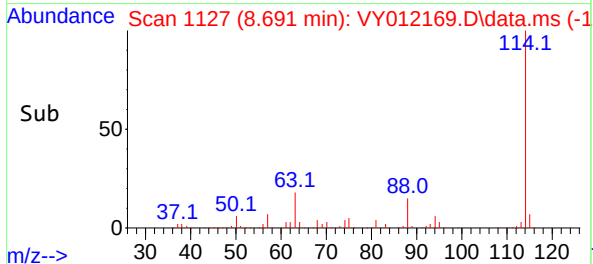
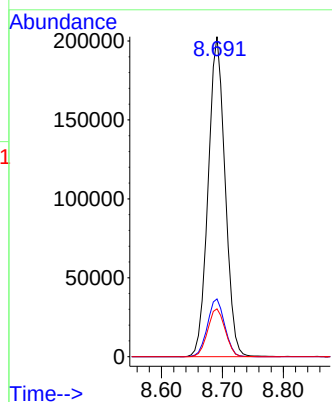
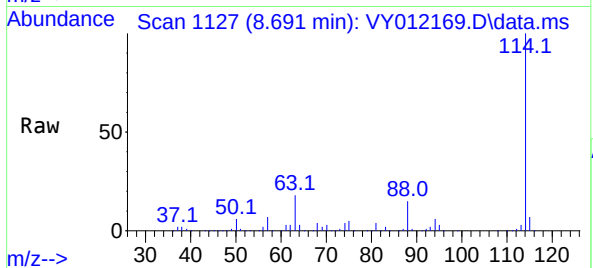




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

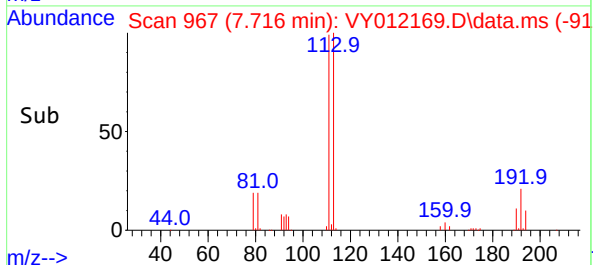
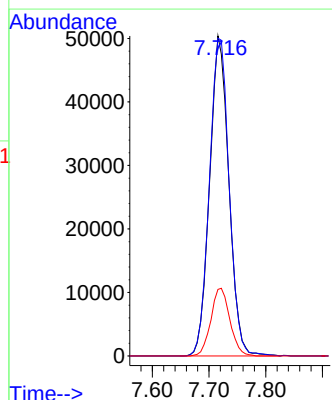
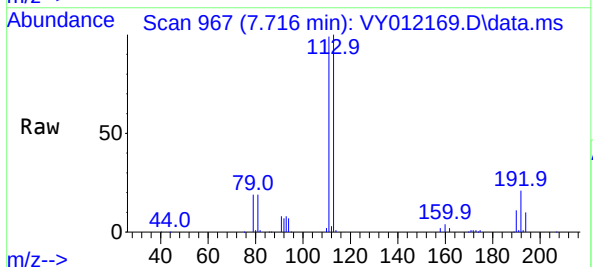
Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

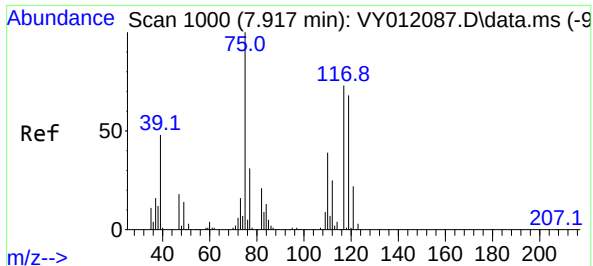
Tgt Ion:114 Resp: 390783
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 14.9 0.0 32.2



#35
Dibromofluoromethane
Concen: 46.154 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion:113 Resp: 118548
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 20.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.223 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VY0112SBL01

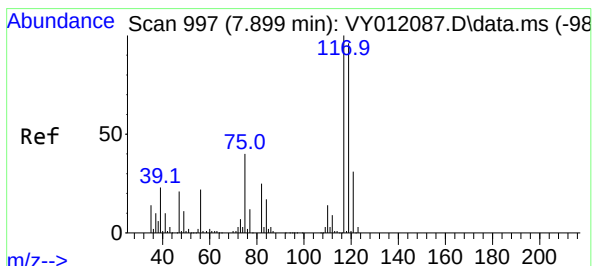
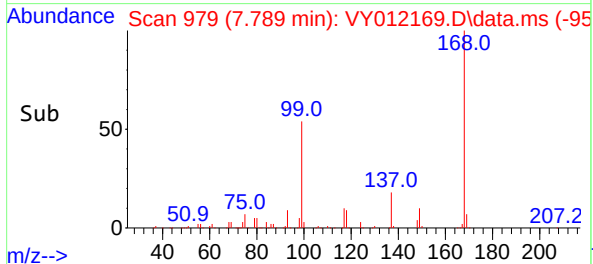
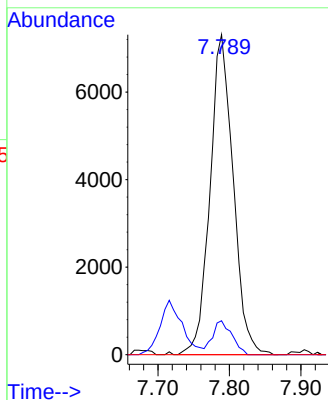
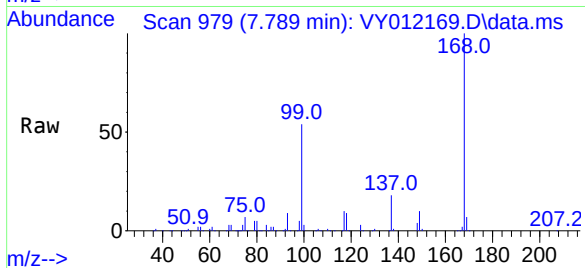
Tgt Ion: 75 Resp: 16458

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.529 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

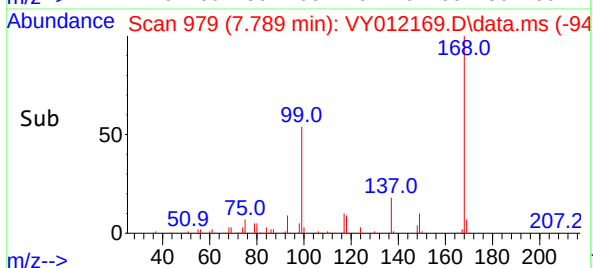
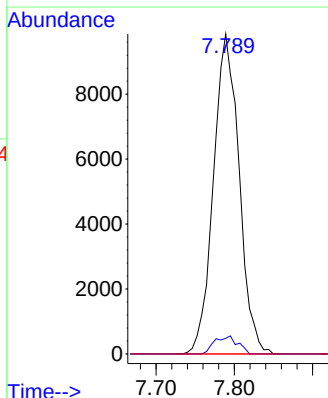
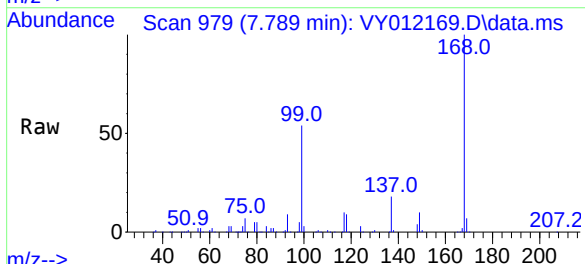
Tgt Ion: 117 Resp: 22399

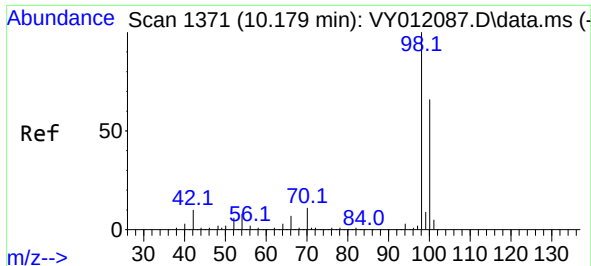
Ion Ratio Lower Upper

117 100

119 4.9 73.8 110.8#

121 0.0 25.2 37.8#

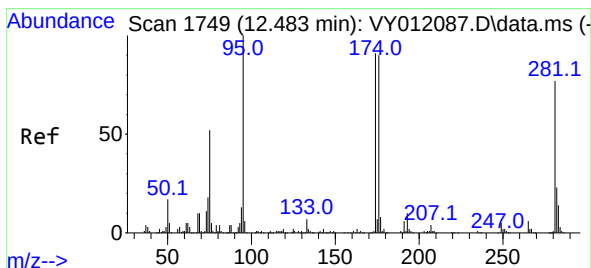
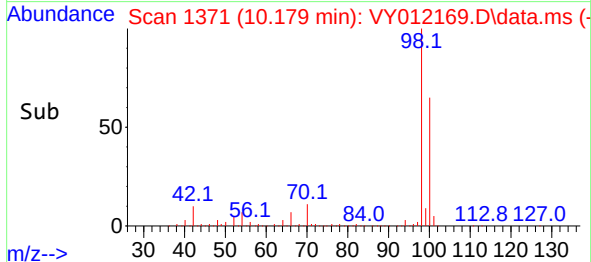
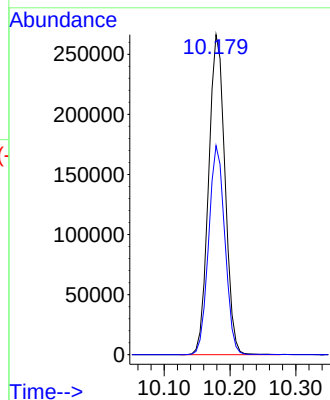
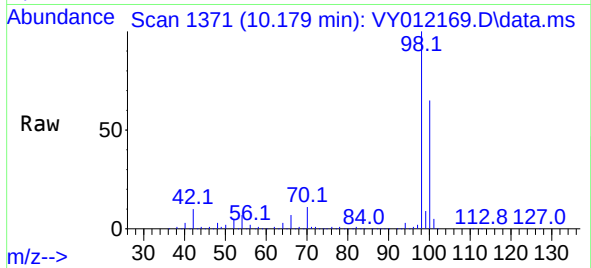




#50
Toluene-d8
Concen: 45.506 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

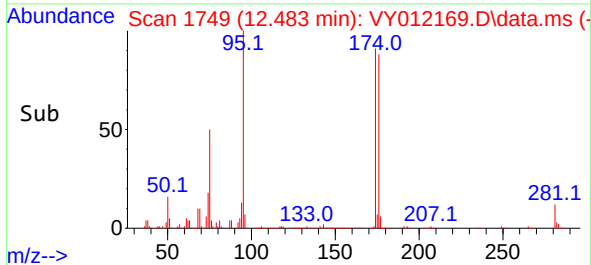
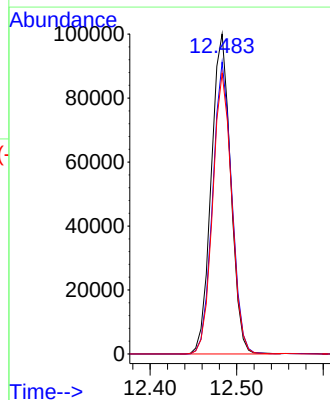
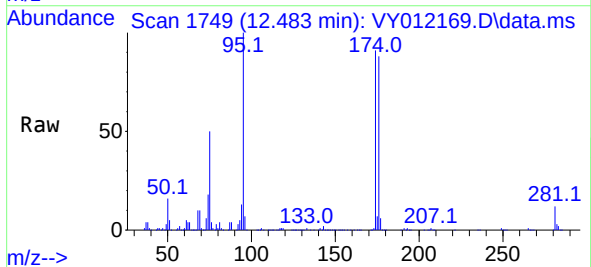
Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

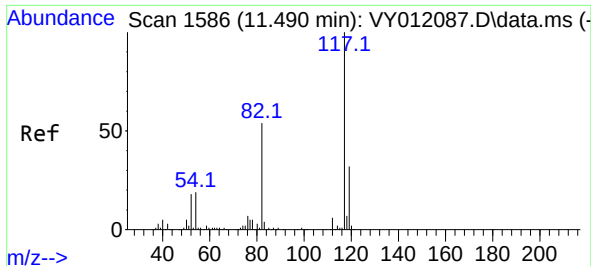
Tgt Ion: 98 Resp: 461350
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.961 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion: 95 Resp: 155784
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.0
176 86.0 0.0 167.6

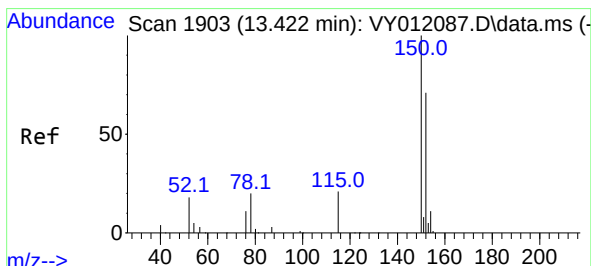
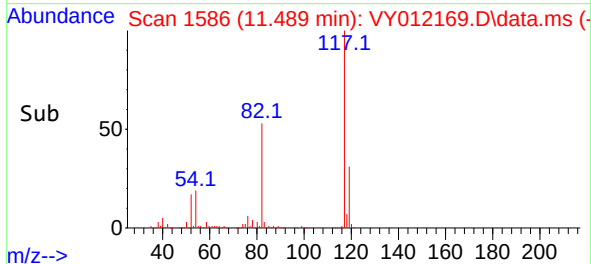
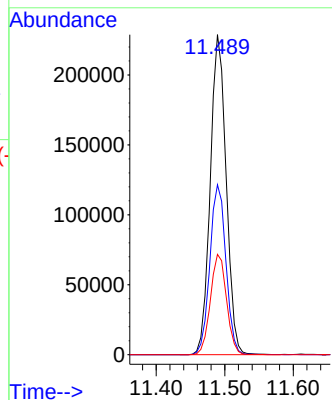
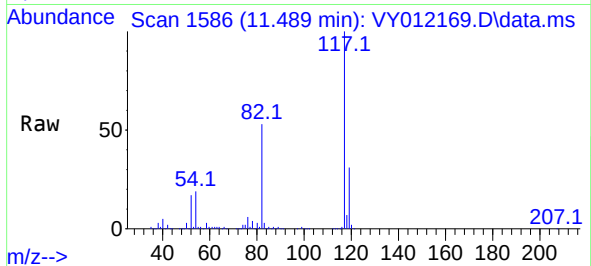




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

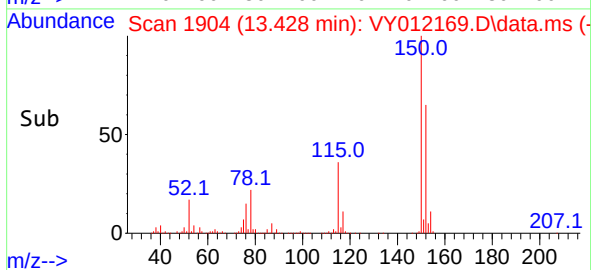
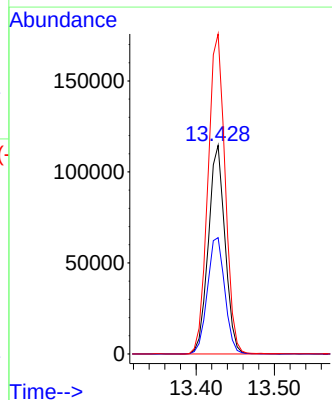
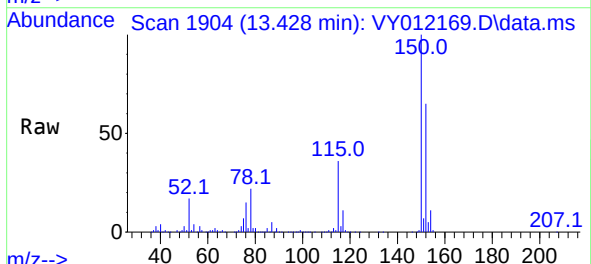
Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

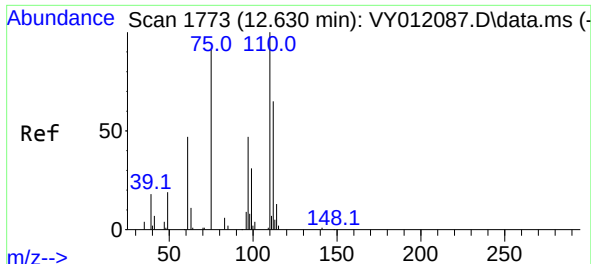
Tgt Ion:117 Resp: 369557
Ion Ratio Lower Upper
117 100
82 53.1 44.8 67.2
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion:152 Resp: 169114
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.3
150 158.2 0.0 342.6

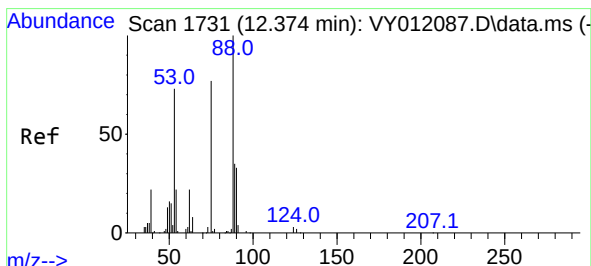
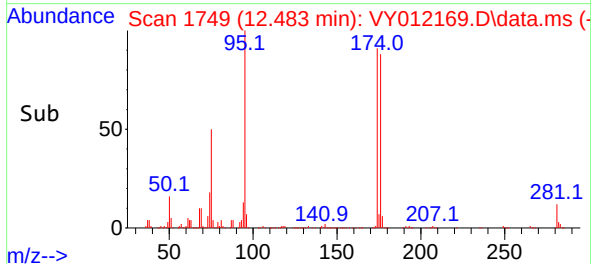
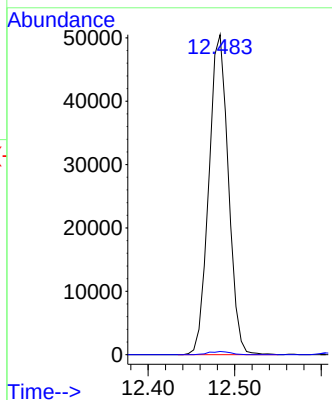
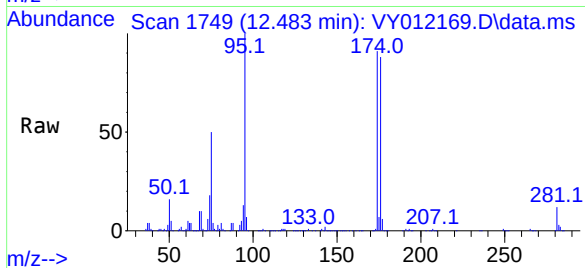




#76
1,2,3-Trichloropropane
Concen: 40.944 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY0112SBL01

Tgt Ion: 75 Resp: 79060
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.930 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012169.D
Acq: 12 Jan 2023 11:01

Tgt Ion: 75 Resp: 79060
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

