

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012141.D
 Acq On : 10 Jan 2023 14:56
 Operator : KP/MD
 Sample : 01089-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-3-010923

Quant Time: Jan 11 03:09:25 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)

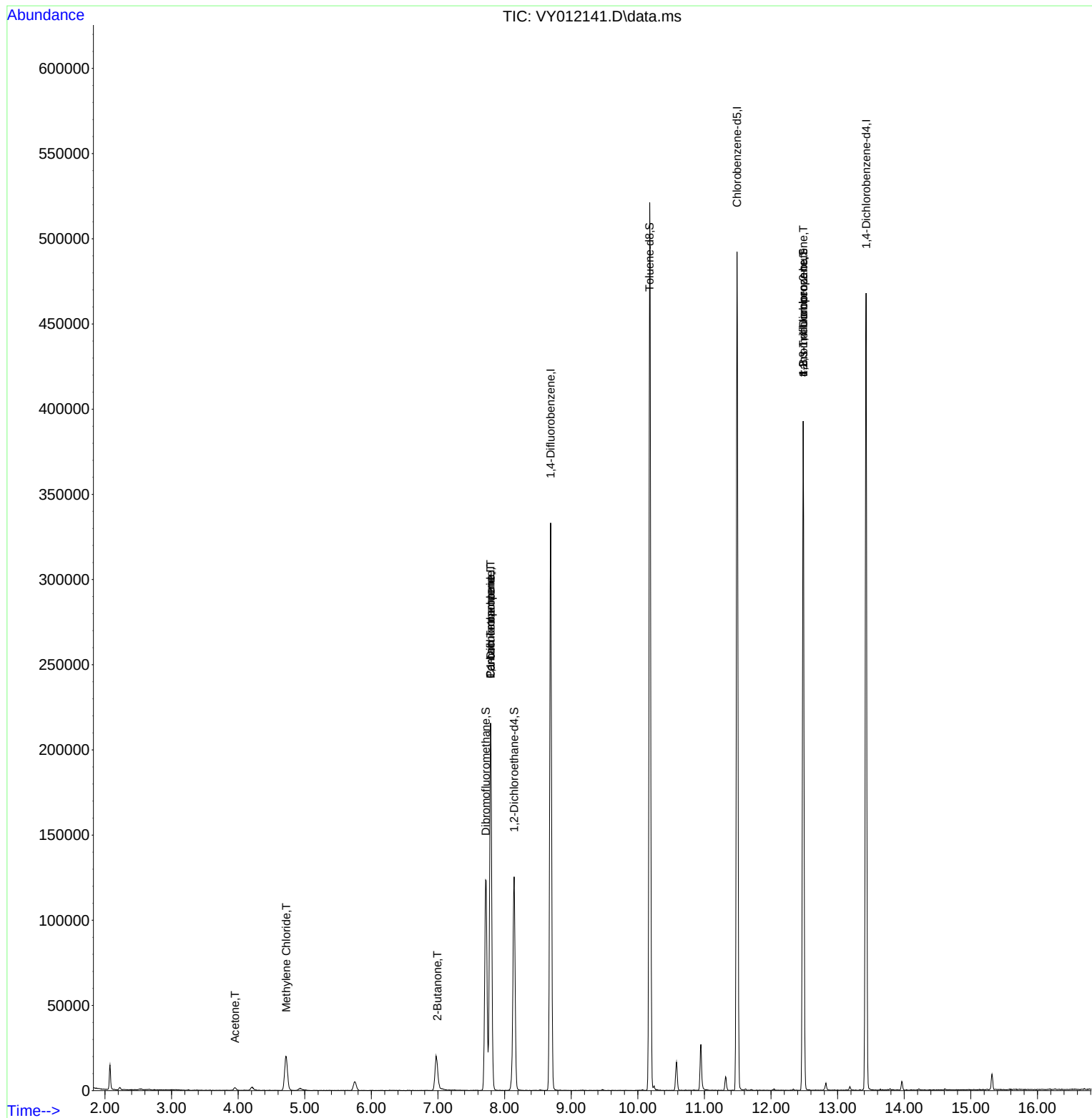
Internal Standards						
1) Pentafluorobenzene	7.789	168	168830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	287809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100492	52.972	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.940%			
35) Dibromofluoromethane	7.716	113	87531	46.271	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.540%			
50) Toluene-d8	10.179	98	345007	46.206	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.420%			
62) 4-Bromofluorobenzene	12.483	95	111619	42.767	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	20	Below Cal	#	41
3) Chloromethane	2.119	50	134	Below Cal	#	41
5) Bromomethane	2.662	94	41	Below Cal	#	1
11) Tert butyl alcohol	4.930	59	1573	Below Cal	#	74
16) Acetone	3.954	43	2840	6.364	ug/l #	87
20) Methylene Chloride	4.722	84	16373	3.132	ug/l #	87
25) 2-Butanone	6.990	43	1586	2.694	ug/l	91
31) Cyclohexane	7.783	56	3358	Below Cal	#	24
36) 1,1-Dichloropropene	7.789	75	11780	4.104	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17043	4.679	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	58943	40.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58943	91.047	ug/l #	13

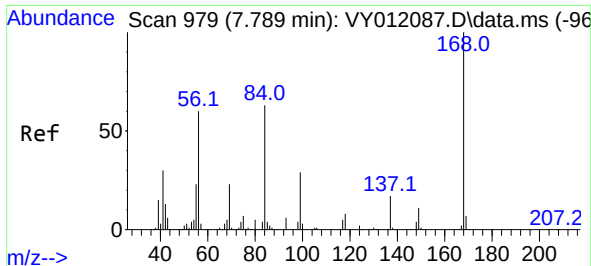
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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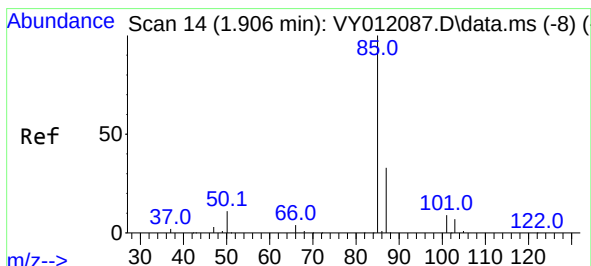
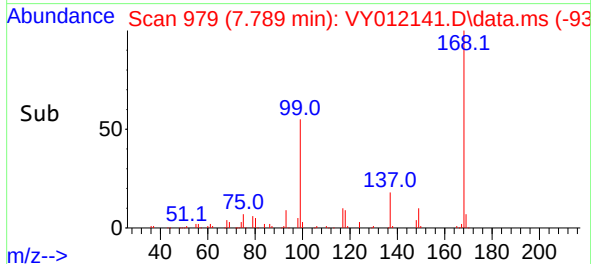
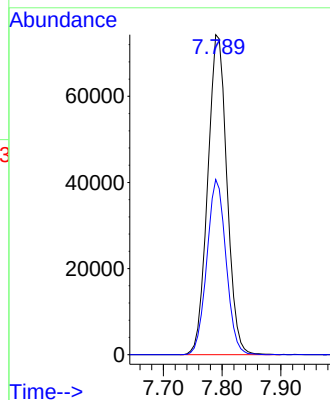
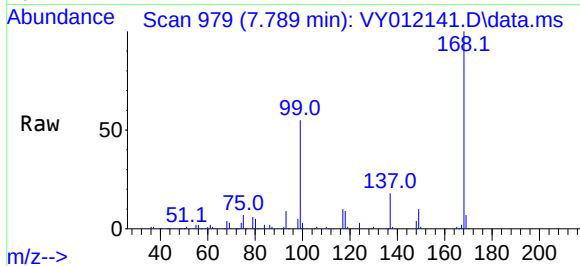




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

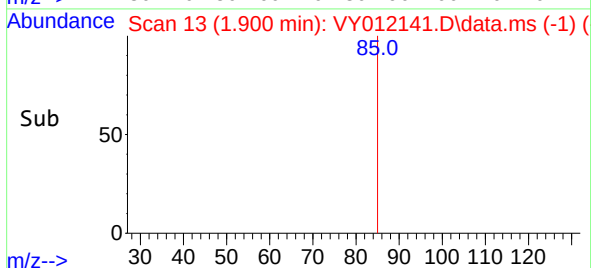
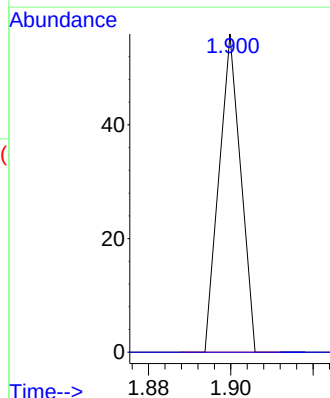
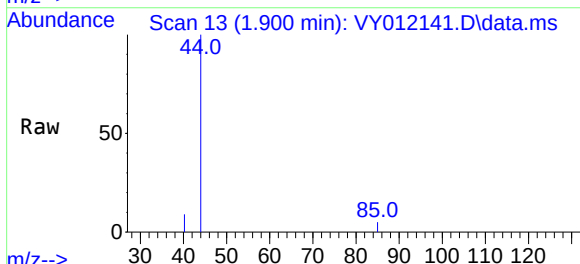
Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

Tgt Ion:168 Resp: 168830
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0

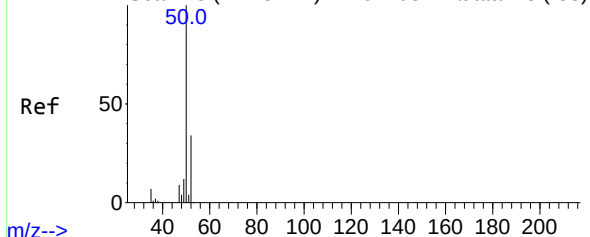


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion: 85 Resp: 20
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: VY012141.D

Acq: 10 Jan 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

PL-3-010923

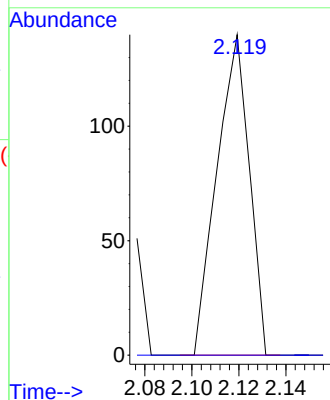
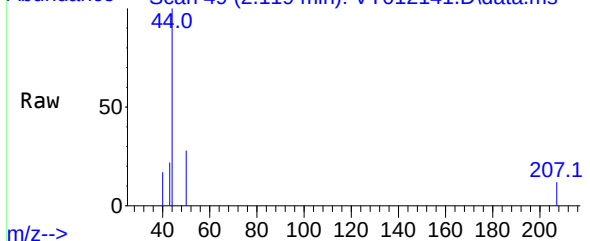
Tgt Ion: 50 Resp: 134

Ion Ratio Lower Upper

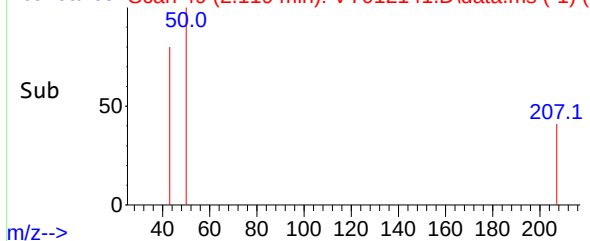
50 100

52 0.0 26.8 40.2#

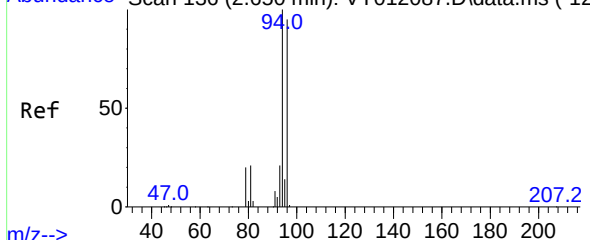
Abundance Scan 49 (2.119 min): VY012141.D\data.ms



Abundance Scan 49 (2.119 min): VY012141.D\data.ms (-1)



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



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY012141.D

Acq: 10 Jan 2023 14:56

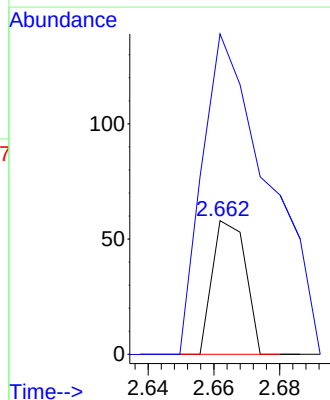
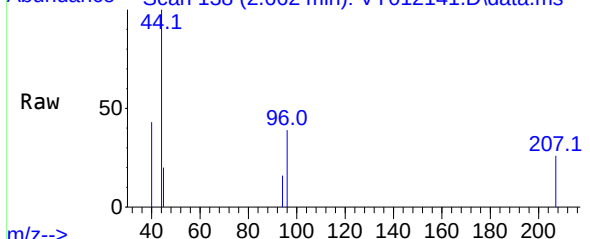
Tgt Ion: 94 Resp: 41

Ion Ratio Lower Upper

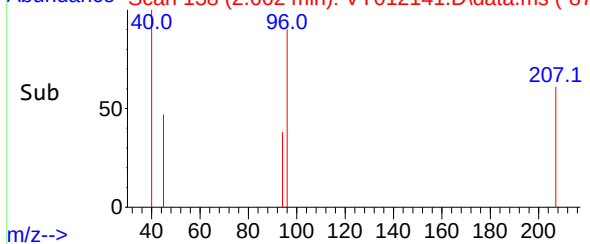
94 100

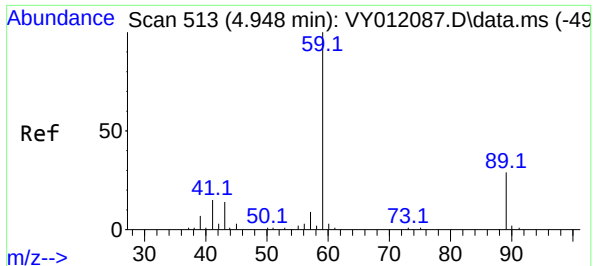
96 239.7 77.4 116.2#

Abundance Scan 138 (2.662 min): VY012141.D\data.ms



Abundance Scan 138 (2.662 min): VY012141.D\data.ms (-87)

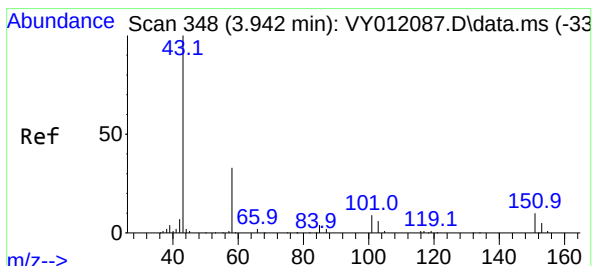
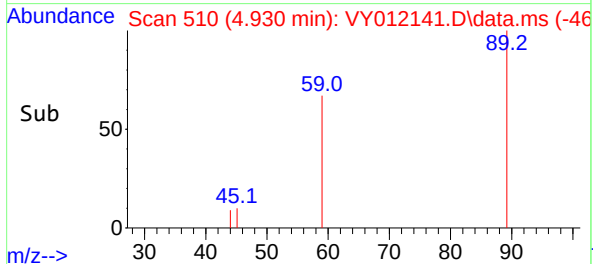
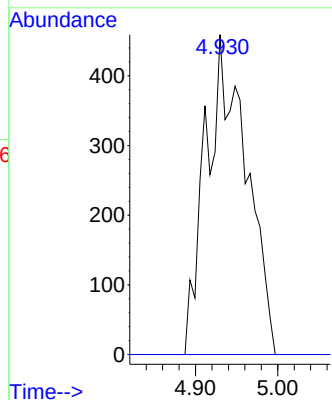
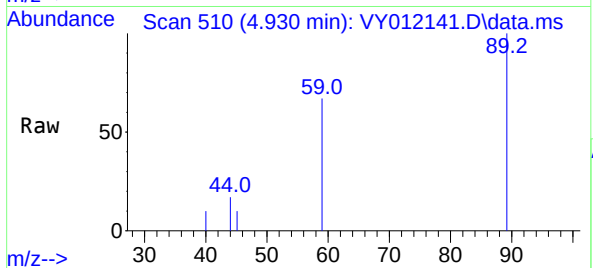




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

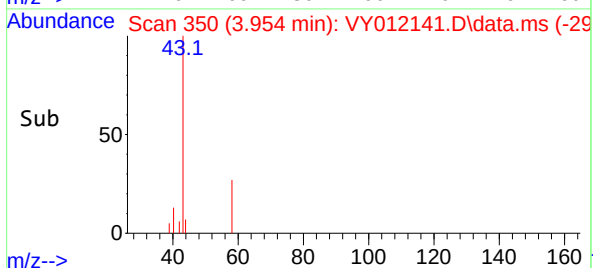
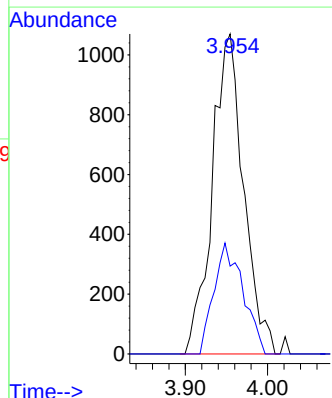
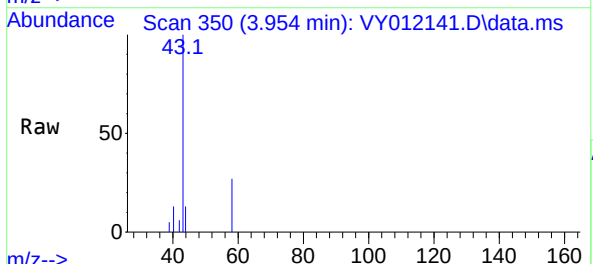
Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

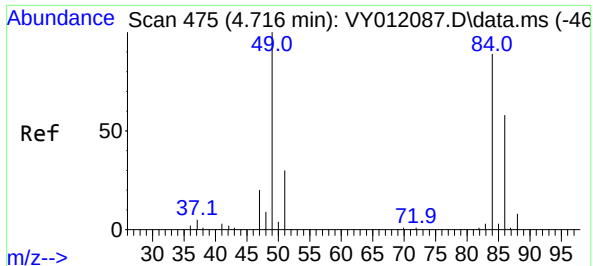
Tgt Ion: 59 Resp: 1573
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 6.364 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
58 27.5 27.9 41.9#



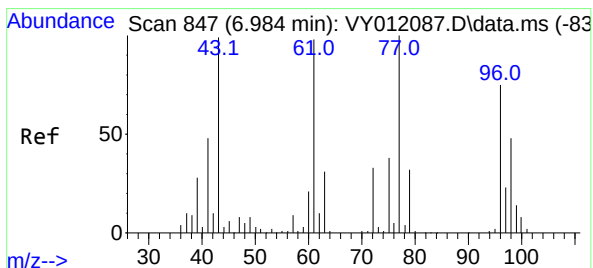
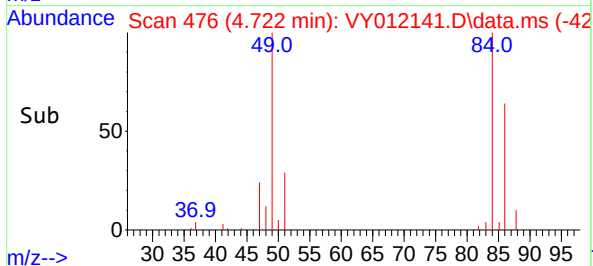
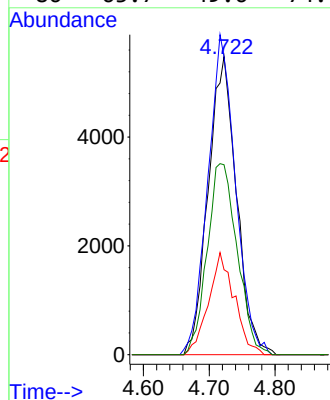
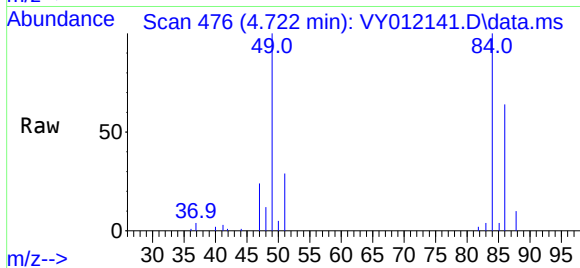


#20
Methylene Chloride
Concen: 3.132 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

Tgt Ion: 84 Resp: 16373

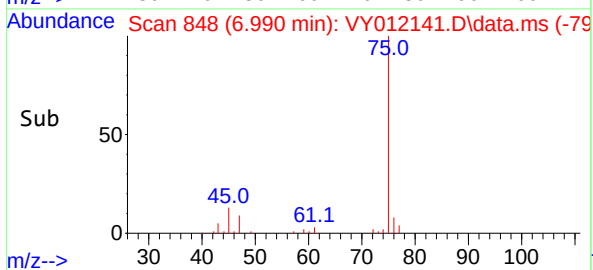
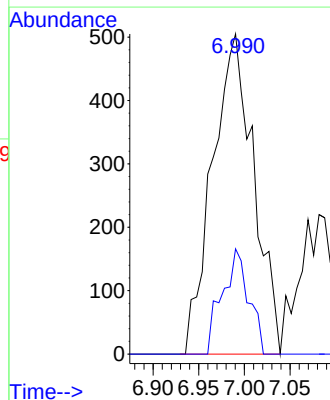
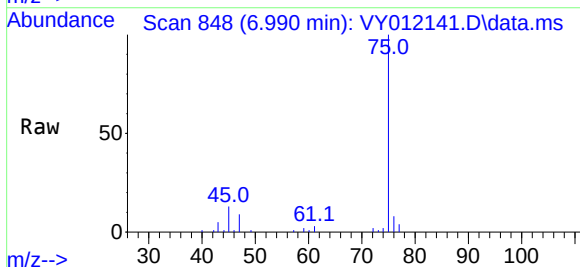
Ion	Ratio	Lower	Upper
84	100		
49	99.8	95.4	143.2
51	28.5	29.9	44.9#
86	63.7	49.6	74.4

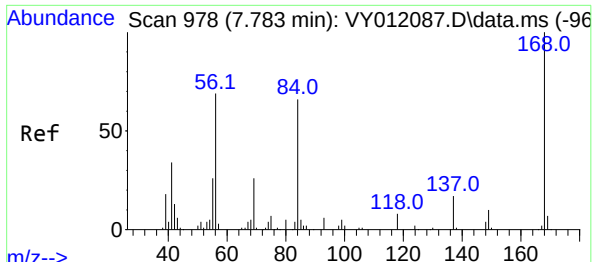


#25
2-Butanone
Concen: 2.694 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion: 43 Resp: 1586

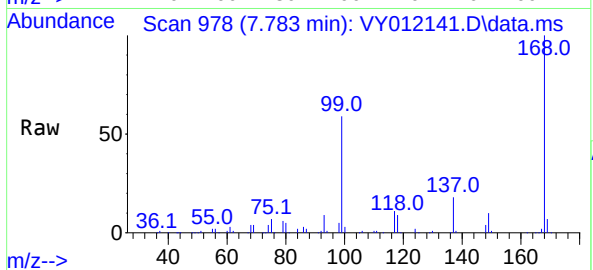
Ion	Ratio	Lower	Upper
43	100		
72	32.9	22.6	34.0



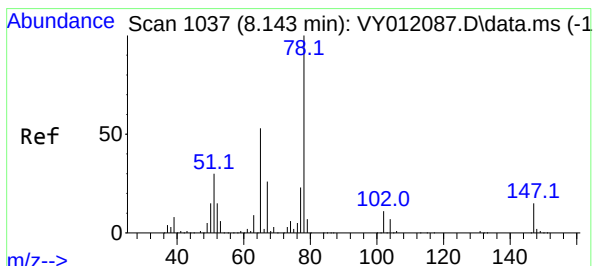
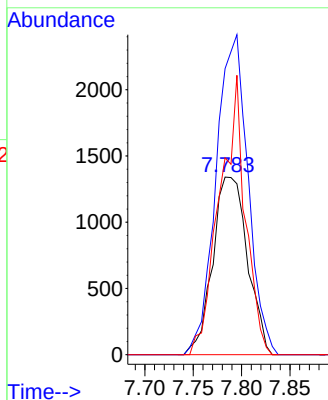
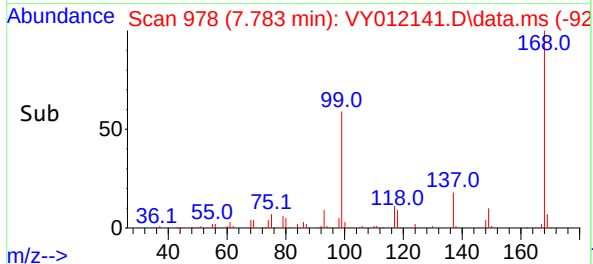


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

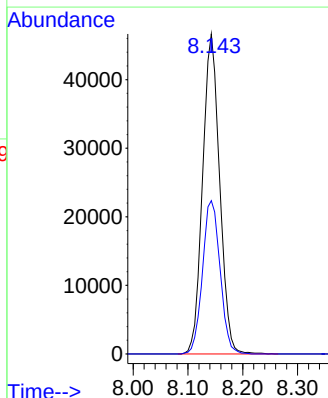
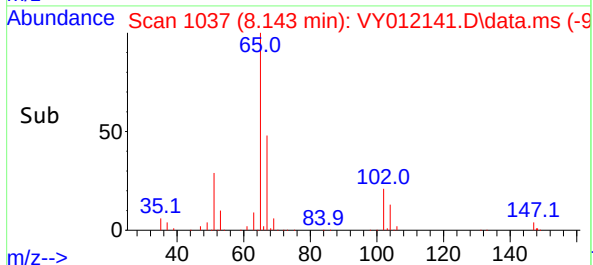
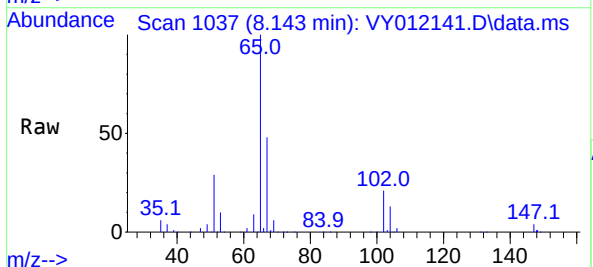


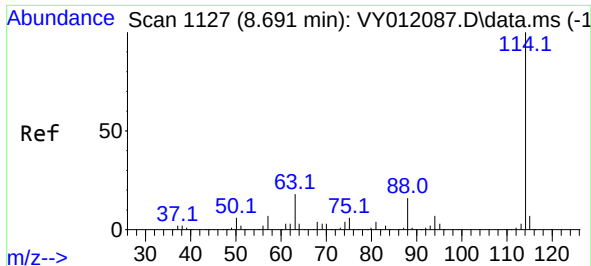
Tgt Ion: 56 Resp: 3358
Ion Ratio Lower Upper
56 100
69 161.1 29.2 43.8#
84 110.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 52.972 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion: 65 Resp: 100492
Ion Ratio Lower Upper
65 100
67 49.4 0.0 103.2

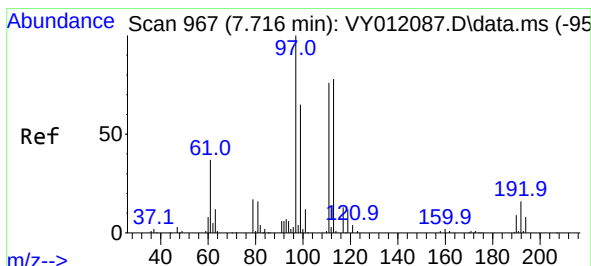
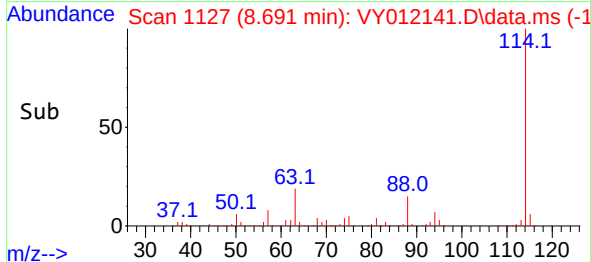
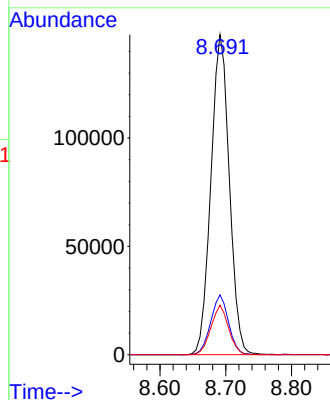
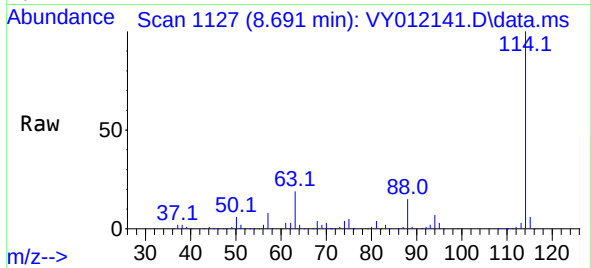




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

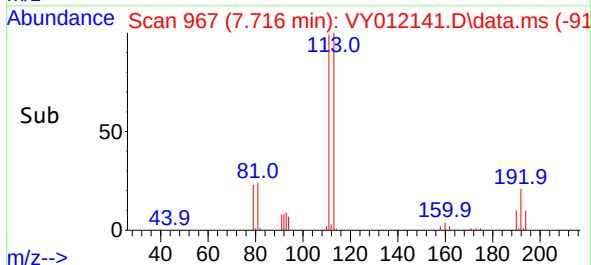
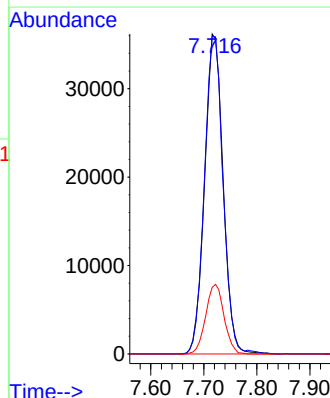
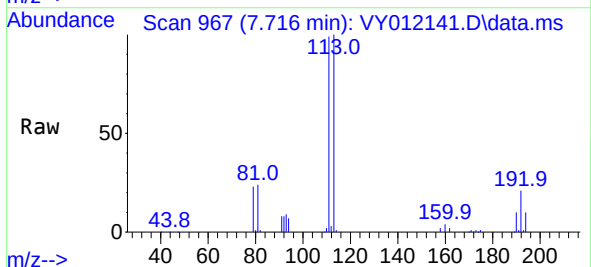
Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

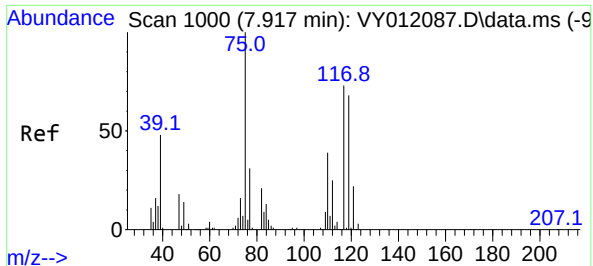
Tgt Ion:114 Resp: 287809
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.6
88 15.5 0.0 32.2



#35
Dibromofluoromethane
Concen: 46.271 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion:113 Resp: 87531
Ion Ratio Lower Upper
113 100
111 100.5 83.0 124.4
192 21.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.104 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012141.D

Acq: 10 Jan 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

PL-3-010923

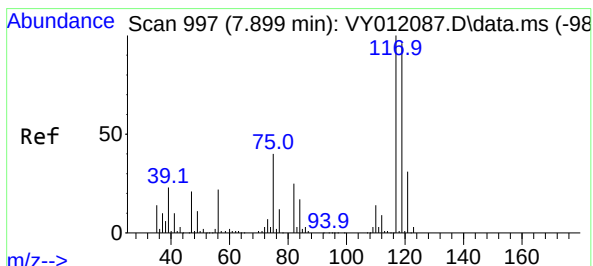
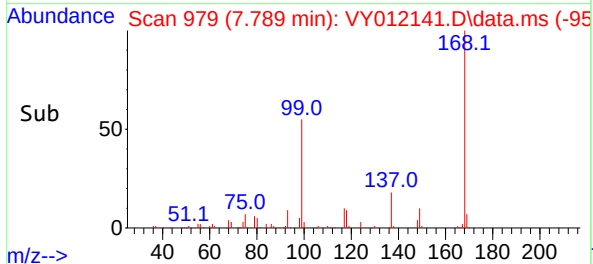
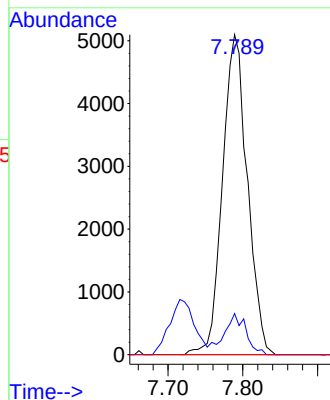
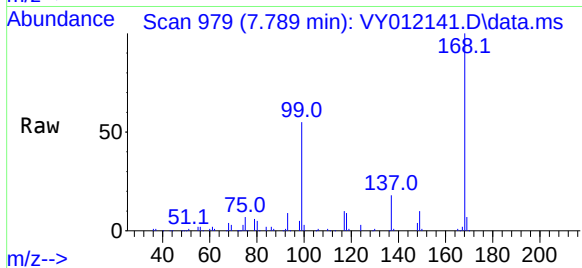
Tgt Ion: 75 Resp: 11780

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.679 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012141.D

Acq: 10 Jan 2023 14:56

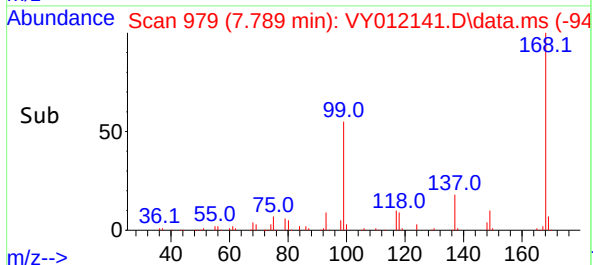
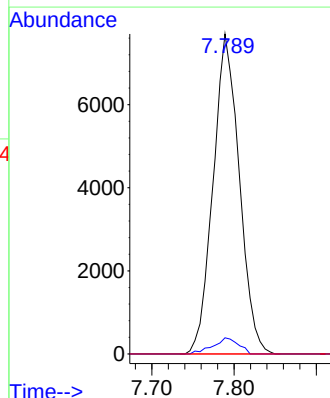
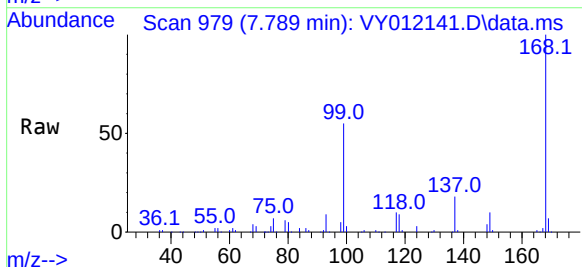
Tgt Ion: 117 Resp: 17043

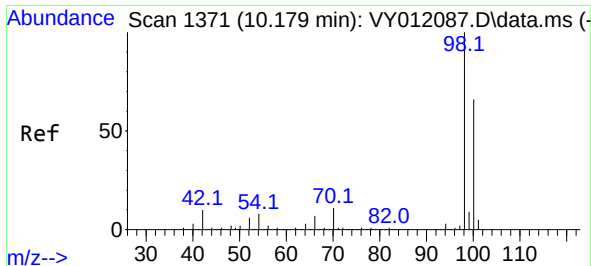
Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.8#

121 0.0 25.2 37.8#

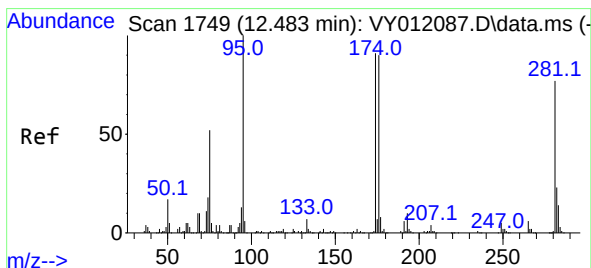
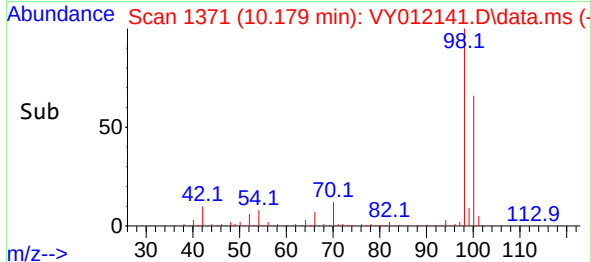
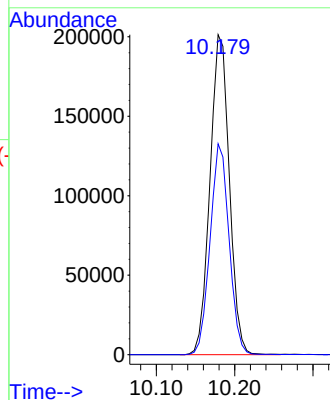
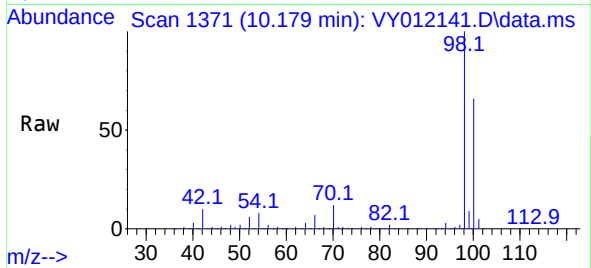




#50
Toluene-d8
Concen: 46.206 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

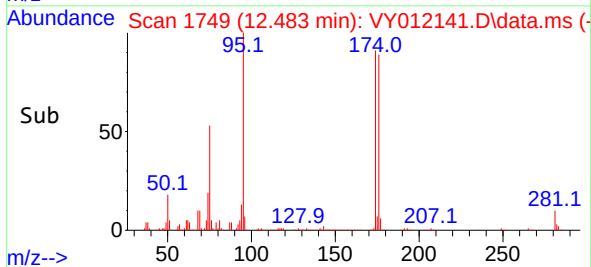
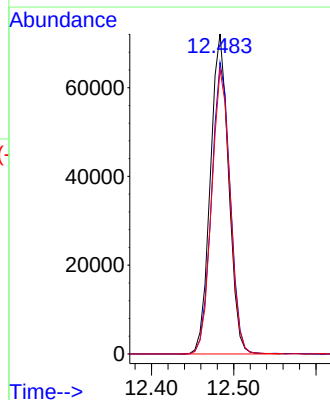
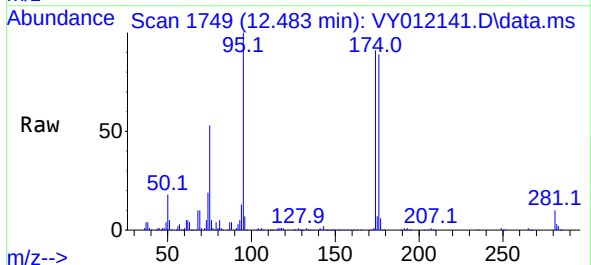
Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

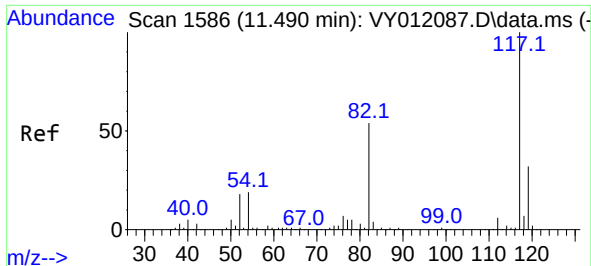
Tgt Ion: 98 Resp: 345007
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion: 95 Resp: 111619
Ion Ratio Lower Upper
95 100
174 92.5 0.0 172.0
176 89.5 0.0 167.6

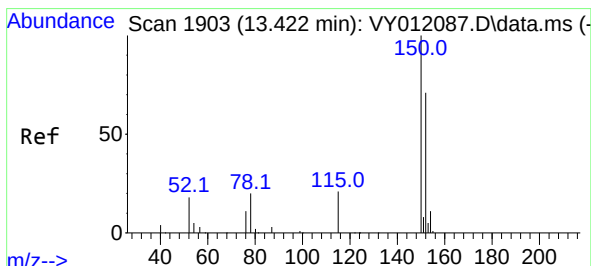
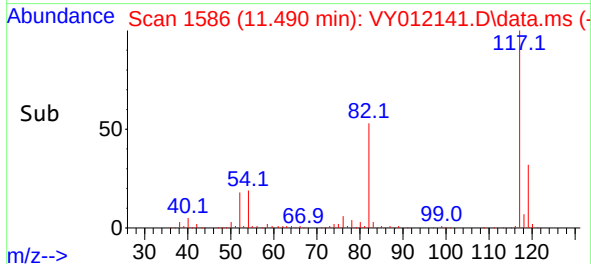
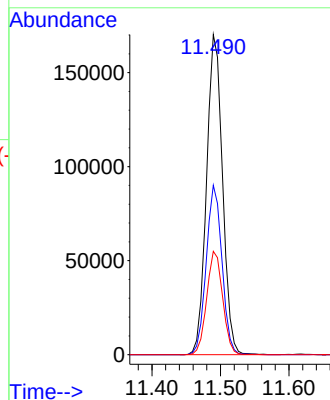
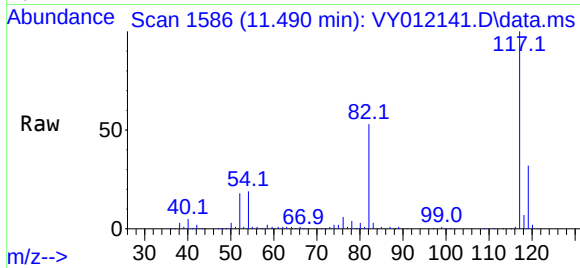




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

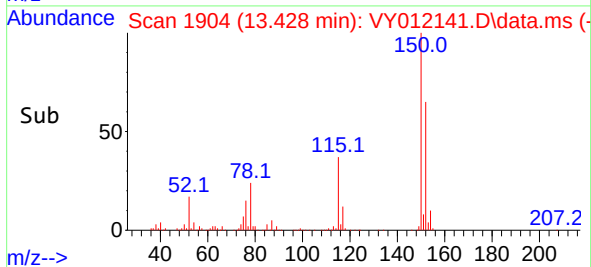
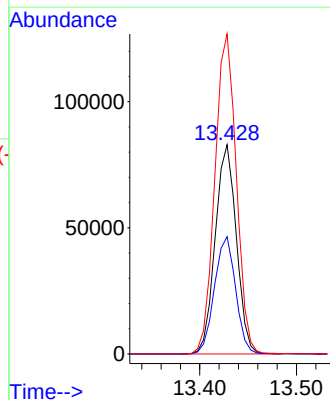
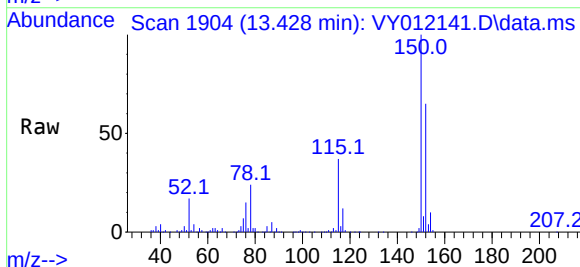
Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

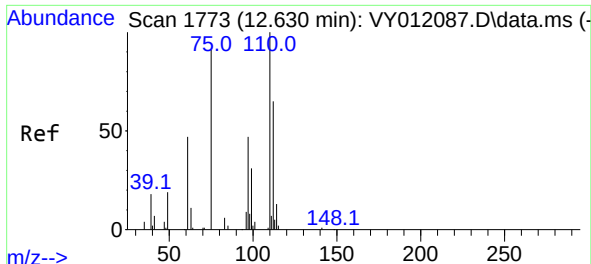
Tgt Ion:117 Resp: 276463
Ion Ratio Lower Upper
117 100
82 53.0 44.8 67.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion:152 Resp: 125920
Ion Ratio Lower Upper
152 100
115 56.2 29.1 87.3
150 155.3 0.0 342.6

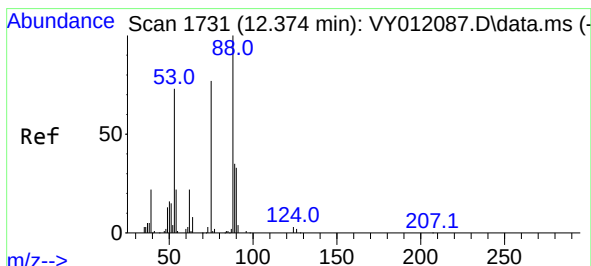
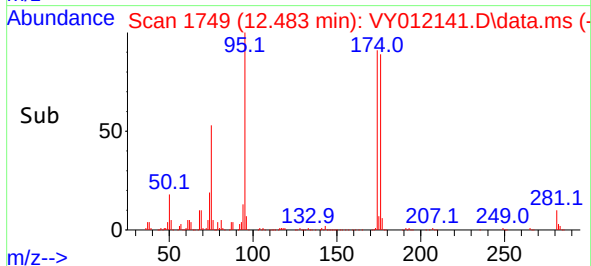
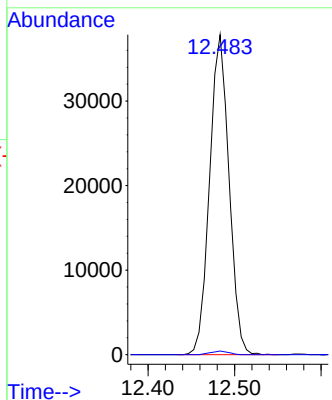
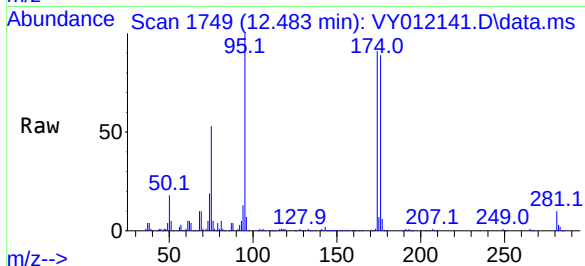




#76
1,2,3-Trichloropropane
Concen: 40.997 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
PL-3-010923

Tgt Ion: 75 Resp: 58943
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.047 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012141.D
Acq: 10 Jan 2023 14:56

Tgt Ion: 75 Resp: 58943
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.2 37.0 55.4#

