

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111522\
 Data File : VY011457.D
 Acq On : 15 Nov 2022 14:51
 Operator : KP/MD
 Sample : N5598-01
 Misc : 2.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FRAC-TANK-0760533

Quant Time: Nov 16 00:21:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

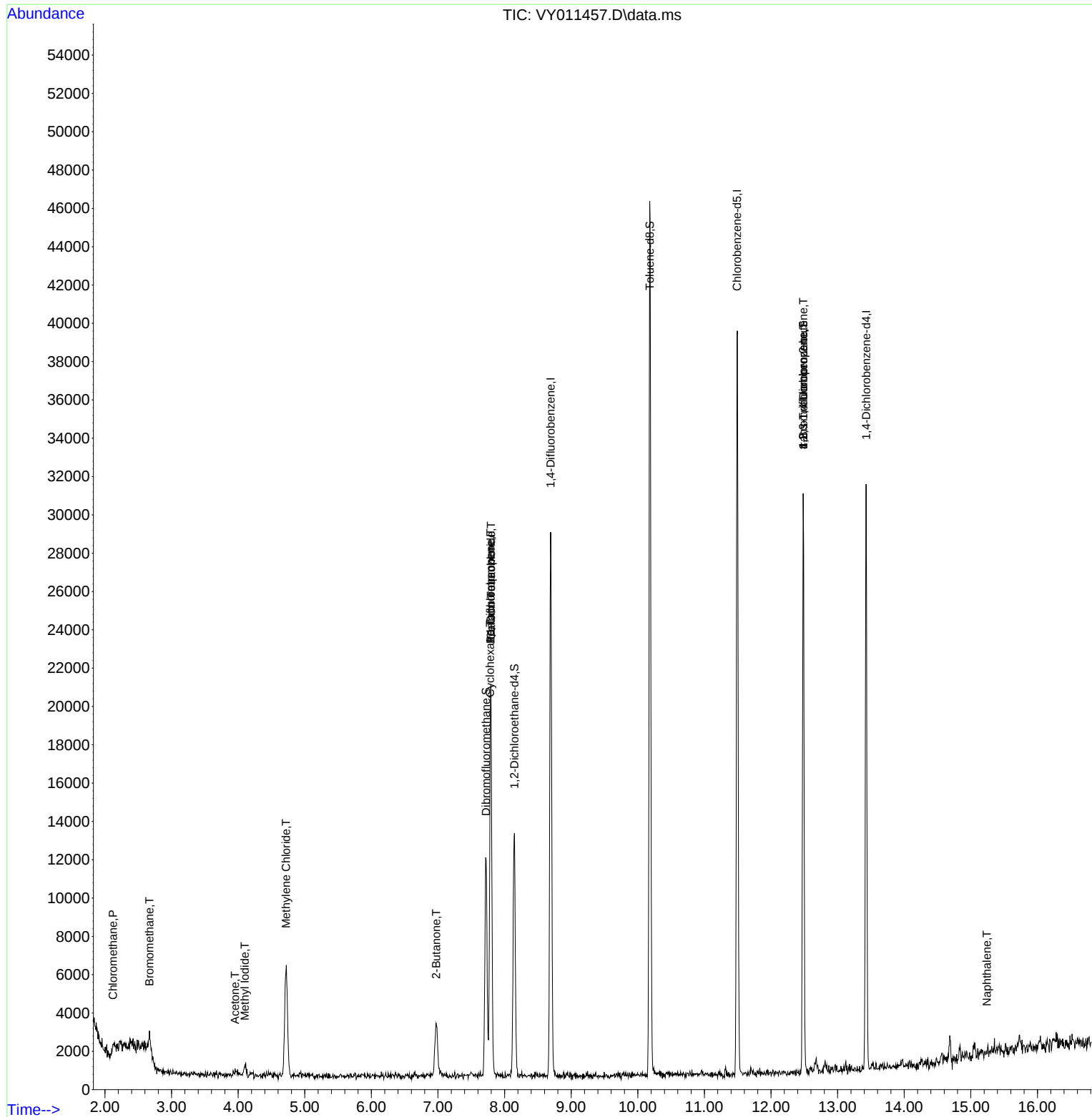
Internal Standards						
1) Pentafluorobenzene	7.789	168	17096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	26793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	24773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	10068	70.278	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.560%			
35) Dibromofluoromethane	7.722	113	8412	56.022	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.040%			
50) Toluene-d8	10.179	98	33154	57.797	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.600%			
62) 4-Bromofluorobenzene	12.483	95	10116	50.560	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.120%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	144	1.048	ug/l #	44
5) Bromomethane	2.668	94	483	4.118	ug/l	88
10) Methyl Iodide	4.101	142	928	4.491	ug/l #	82
11) Tert butyl alcohol	4.942	59	19	Below Cal	#	77
16) Acetone	3.954	43	563	14.893	ug/l #	47
18) Methyl Acetate	4.229	43	25	Below Cal	#	56
20) Methylene Chloride	4.716	84	4995	19.779	ug/l #	78
25) 2-Butanone	6.972	43	95	1.764	ug/l #	54
31) Cyclohexane	7.783	56	270	1.049	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	1229	5.274	ug/l #	42
38) Carbon Tetrachloride	7.795	117	1710	6.746	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	4450	43.293	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4450	104.063	ug/l #	7
95) Naphthalene	15.239	128	328	4.188	ug/l #	69

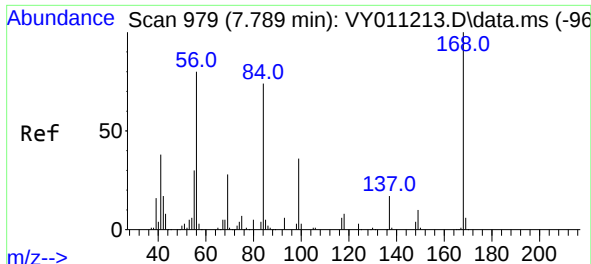
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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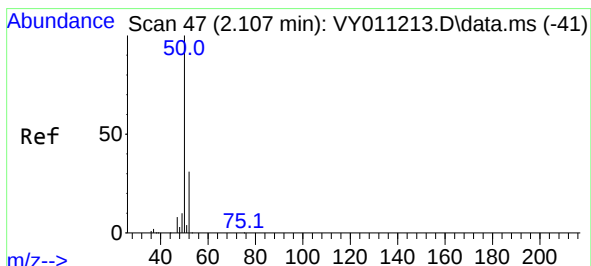
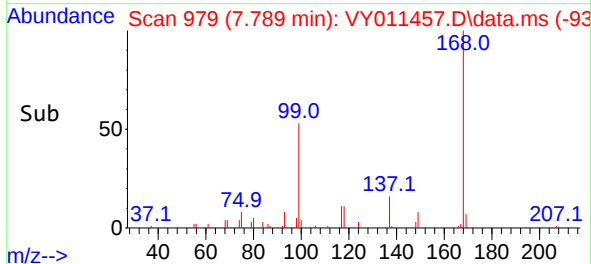
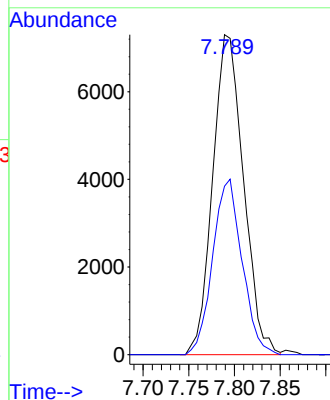
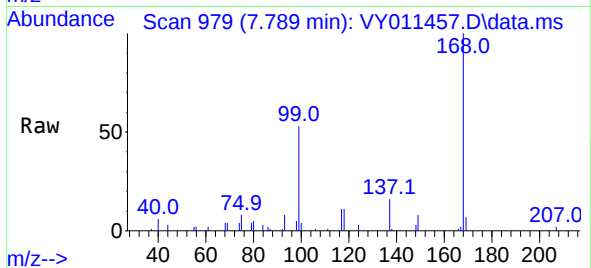




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

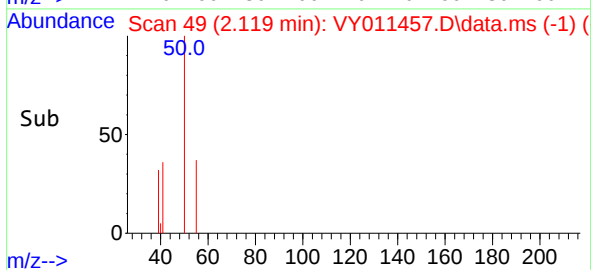
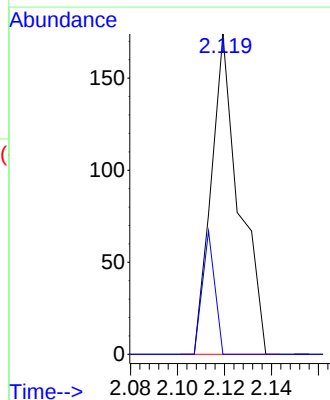
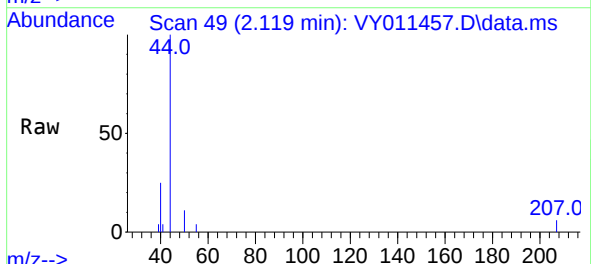
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

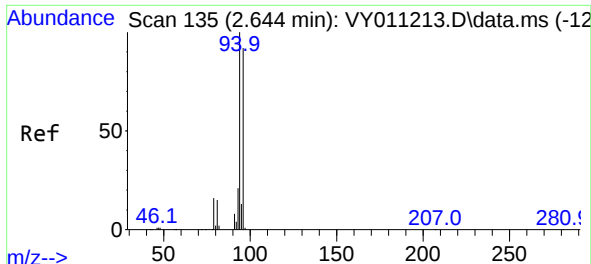
Tgt Ion:168 Resp: 17096
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#3
Chloromethane
Concen: 1.048 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion: 50 Resp: 144
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

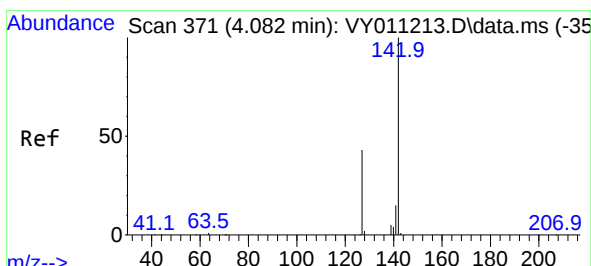
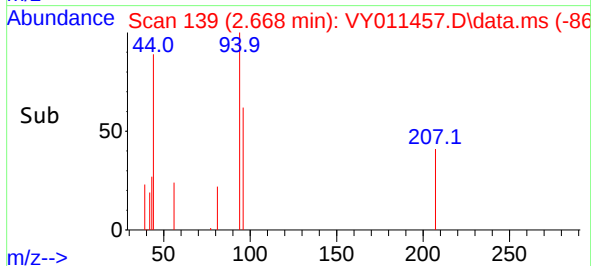
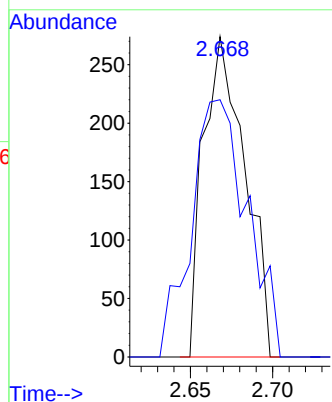
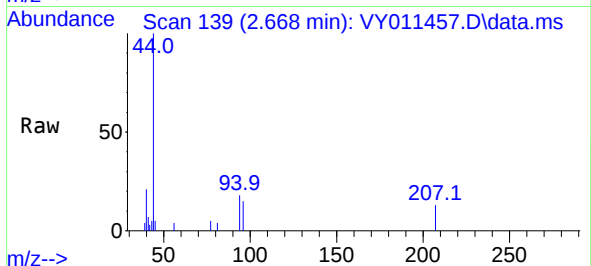




#5
Bromomethane
Concen: 4.118 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

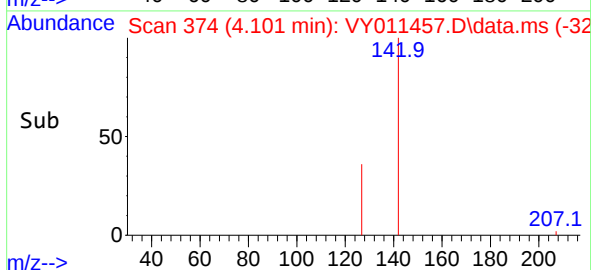
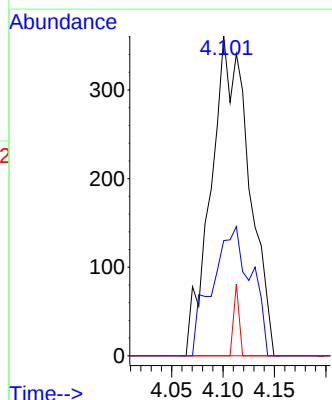
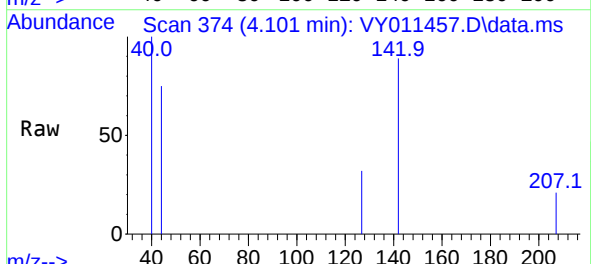
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

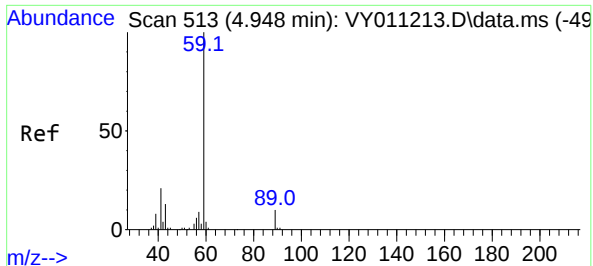
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 80.3 73.5 110.3



#10
Methyl Iodide
Concen: 4.491 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion:142 Resp: 928
Ion Ratio Lower Upper
142 100
127 41.5 41.5 62.3#
141 3.2 11.9 17.9#

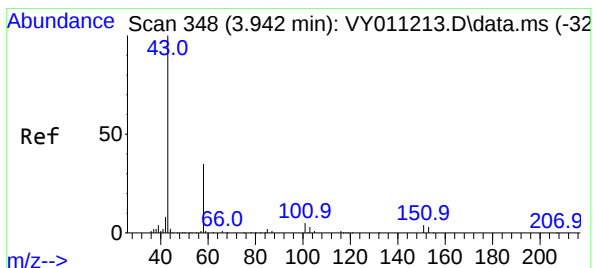
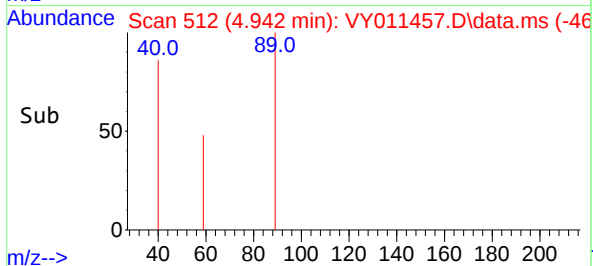
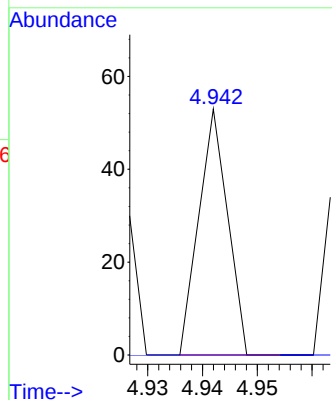
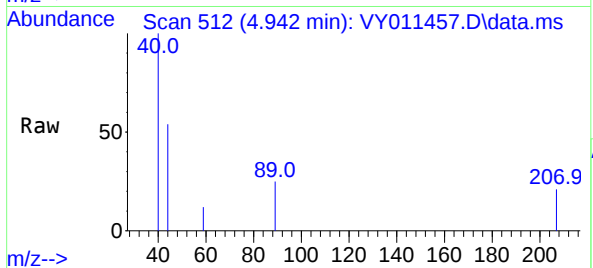




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

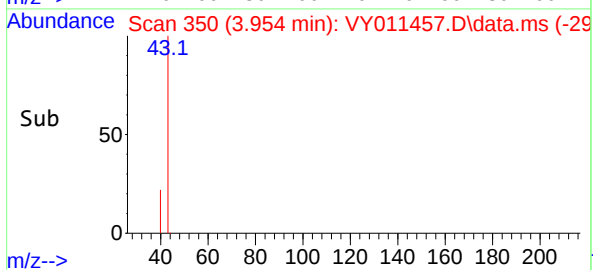
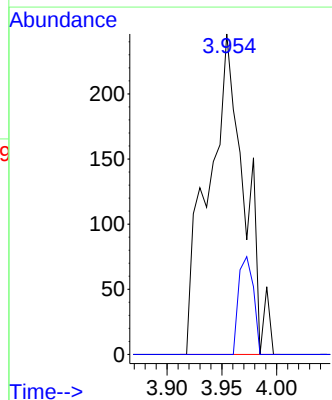
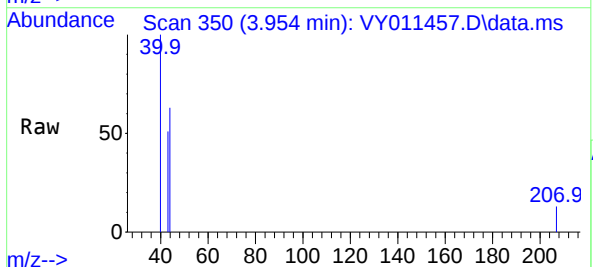
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

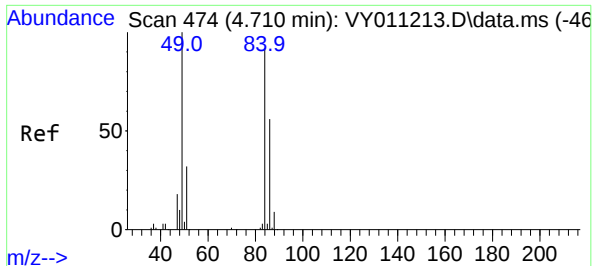
Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 14.893 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



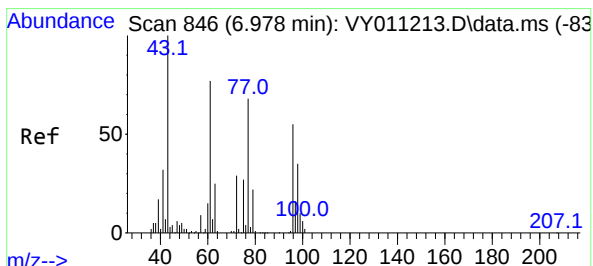
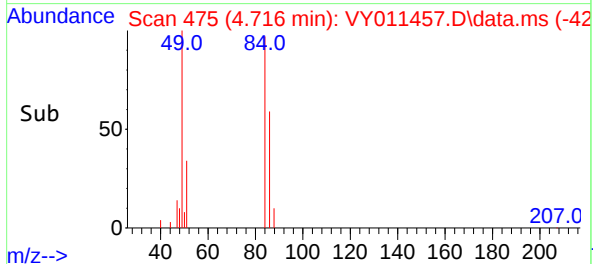
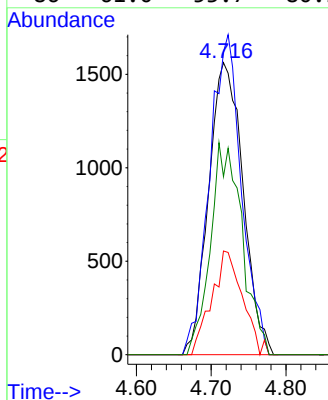
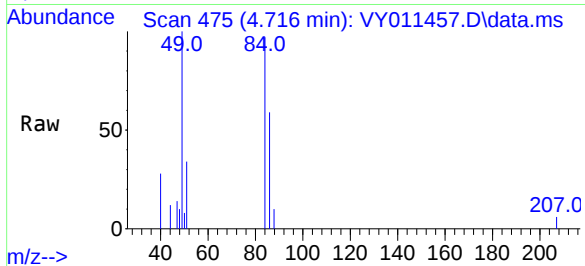


#20
Methylene Chloride
Concen: 19.779 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

Tgt Ion: 84 Resp: 4995

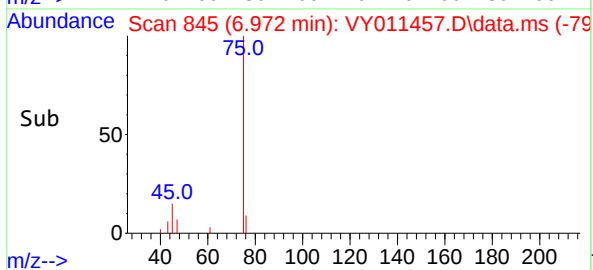
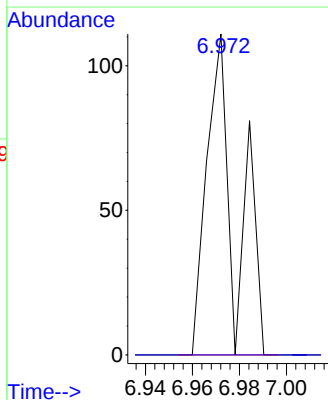
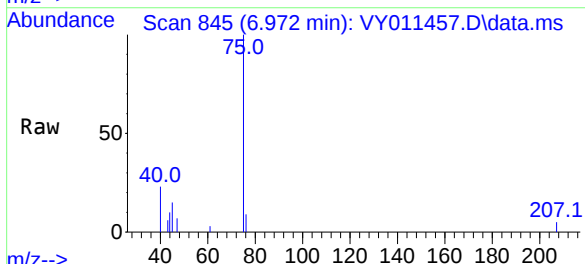
Ion	Ratio	Lower	Upper
84	100		
49	103.6	114.4	171.6#
51	35.5	35.3	52.9
86	61.0	53.7	80.5

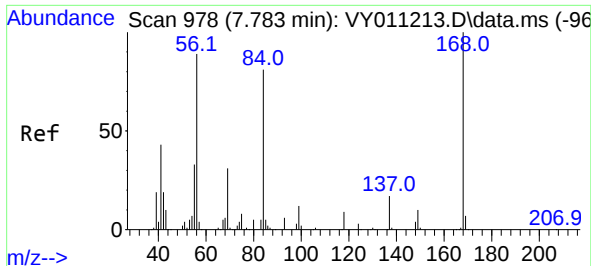


#25
2-Butanone
Concen: 1.764 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion: 43 Resp: 95

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

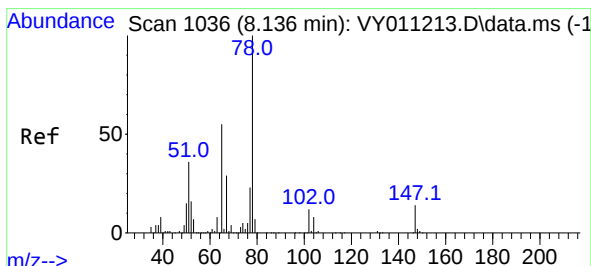
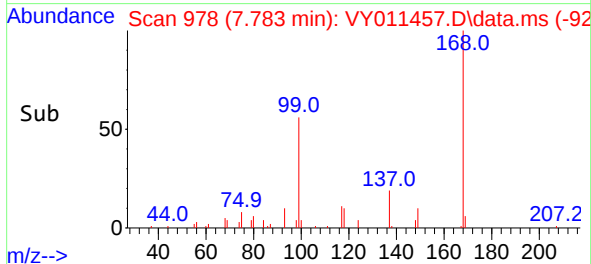
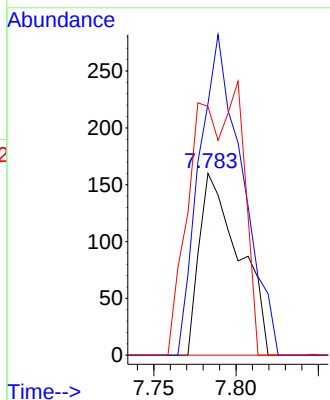
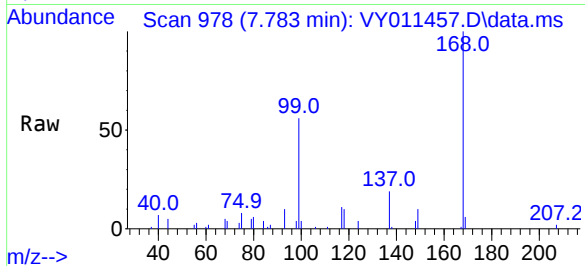




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

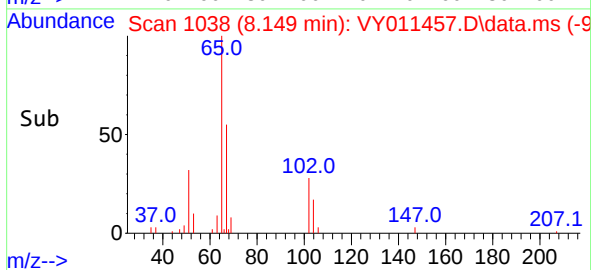
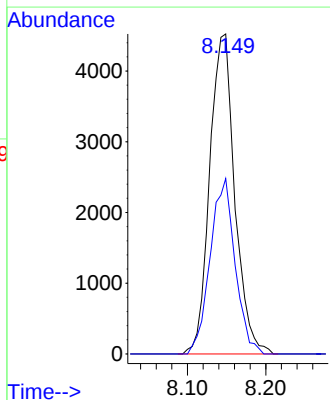
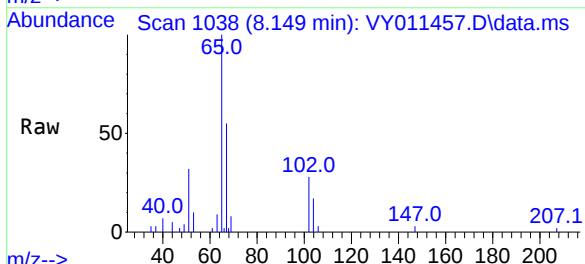
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

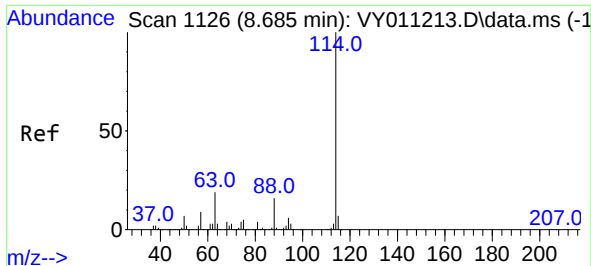
Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
69 138.1 26.7 40.1#
84 136.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.278 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion: 65 Resp: 10068
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011457.D

Acq: 15 Nov 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

FRAC-TANK-0760533

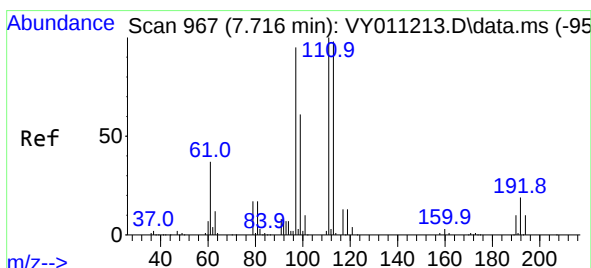
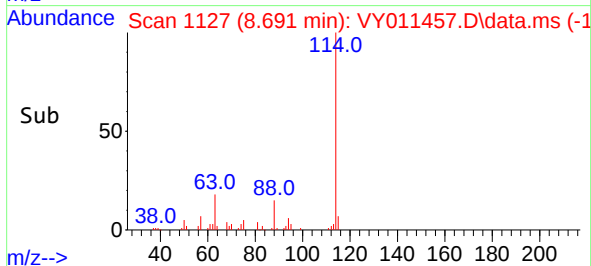
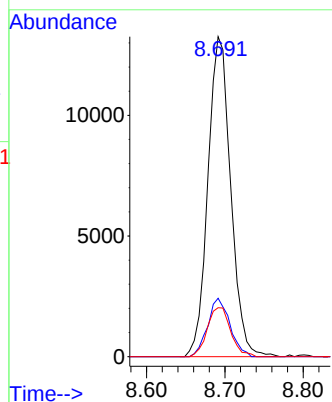
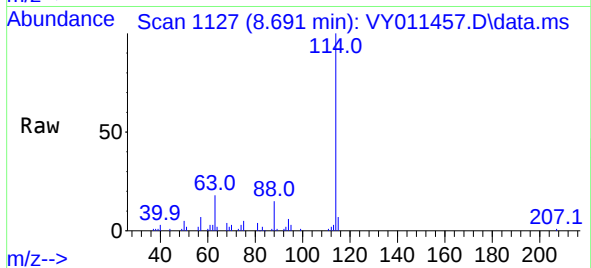
Tgt Ion:114 Resp: 26793

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.022 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY011457.D

Acq: 15 Nov 2022 14:51

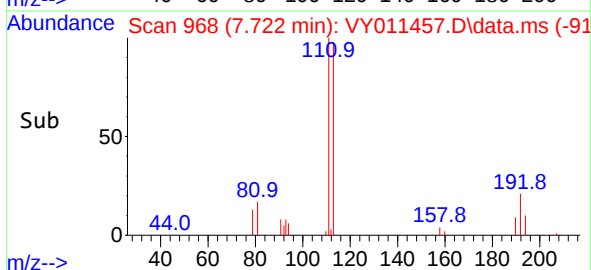
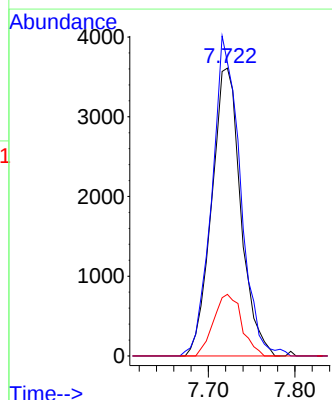
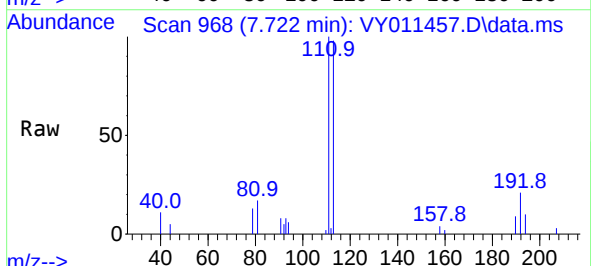
Tgt Ion:113 Resp: 8412

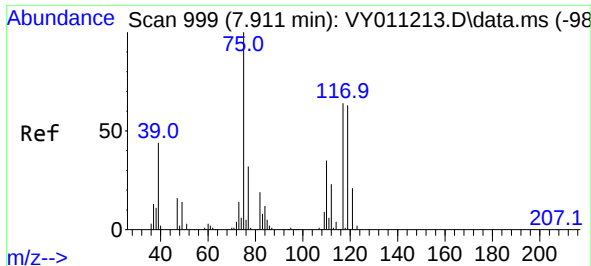
Ion Ratio Lower Upper

113 100

111 108.6 82.6 124.0

192 20.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.274 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011457.D

Acq: 15 Nov 2022 14:51

Instrument :

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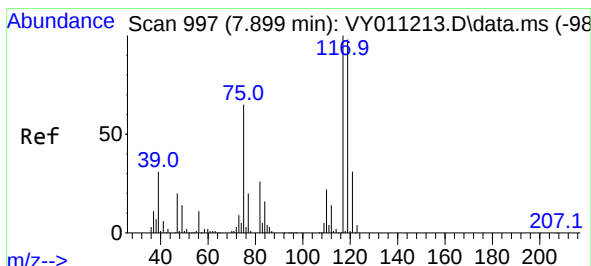
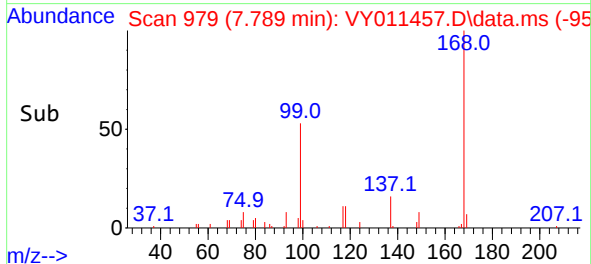
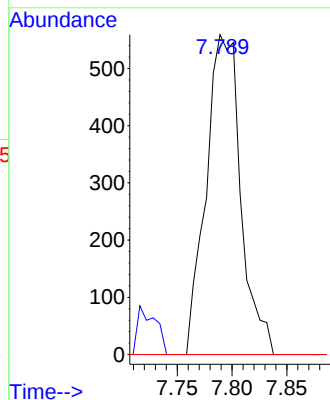
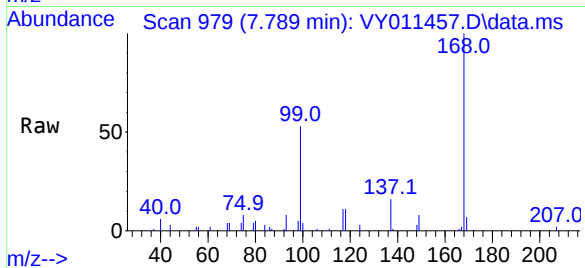
Tgt Ion: 75 Resp: 1229

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.746 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY011457.D

Acq: 15 Nov 2022 14:51

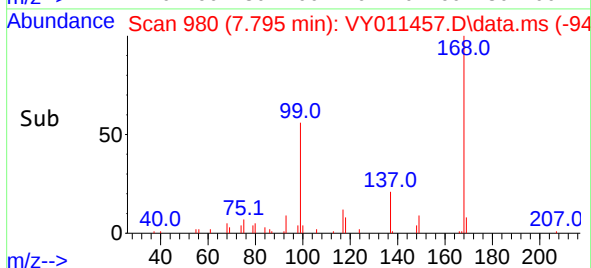
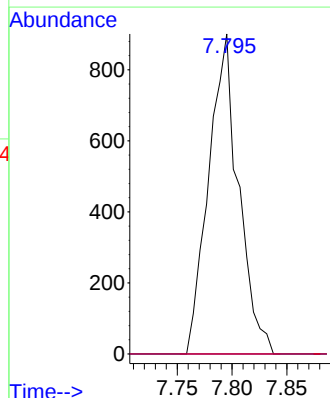
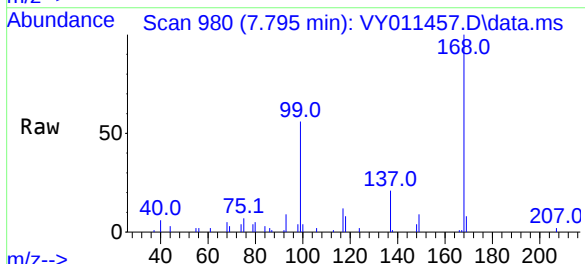
Tgt Ion: 117 Resp: 1710

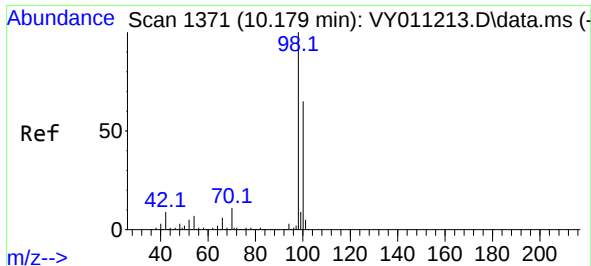
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

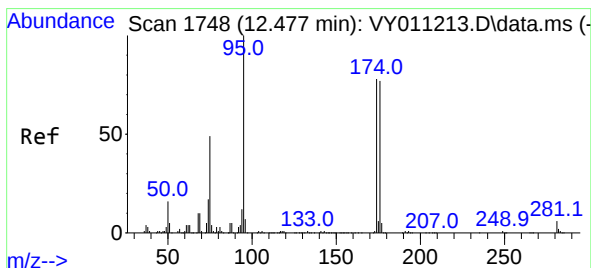
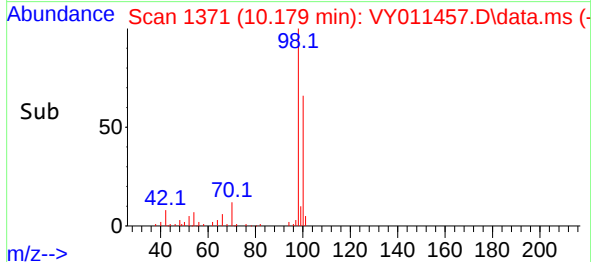
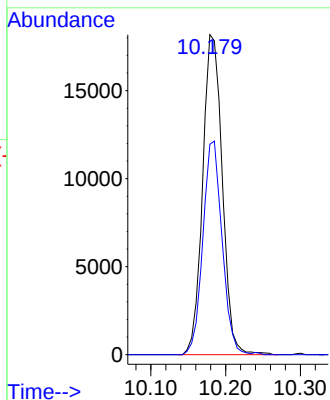
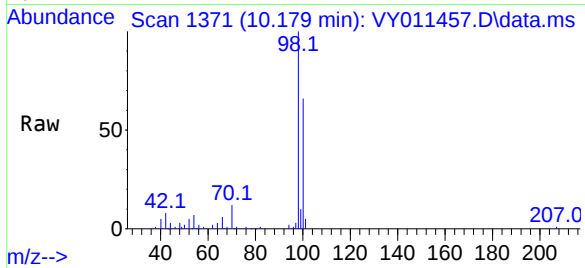




#50
Toluene-d8
Concen: 57.797 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

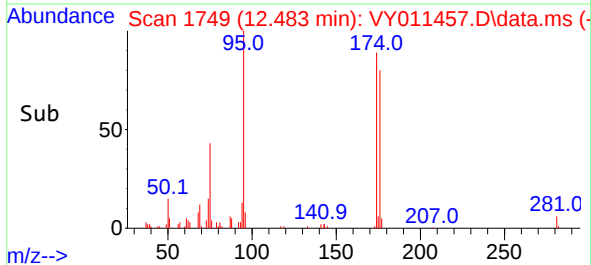
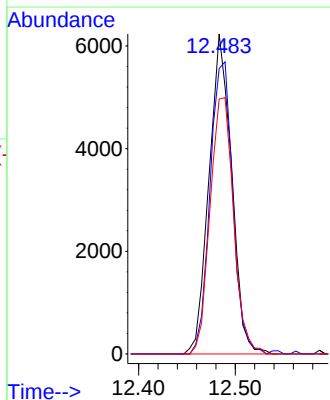
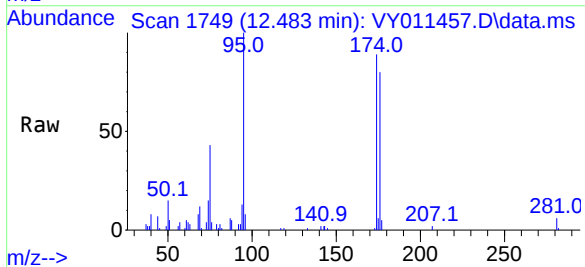
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

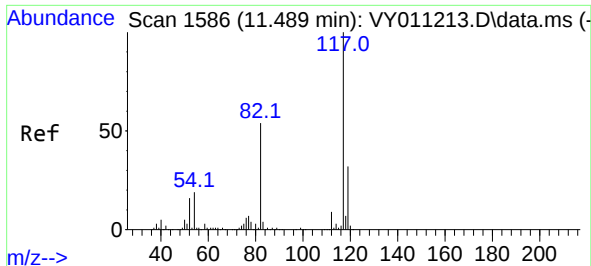
Tgt Ion: 98 Resp: 33154
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.560 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion: 95 Resp: 10116
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 83.1 0.0 175.8

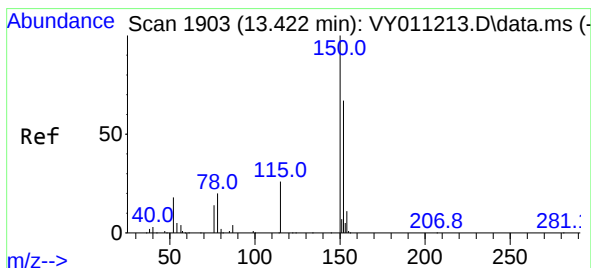
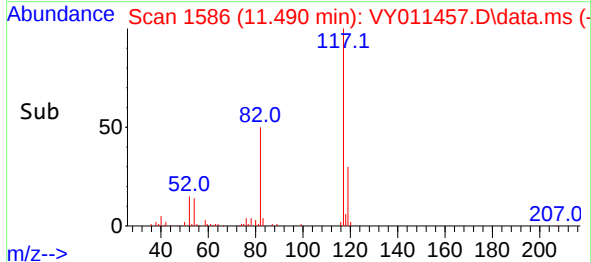
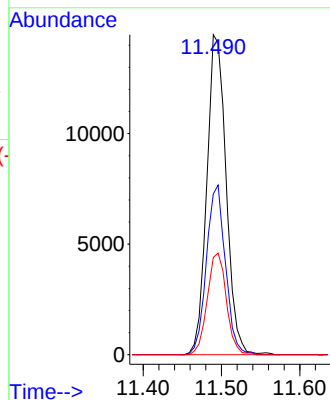
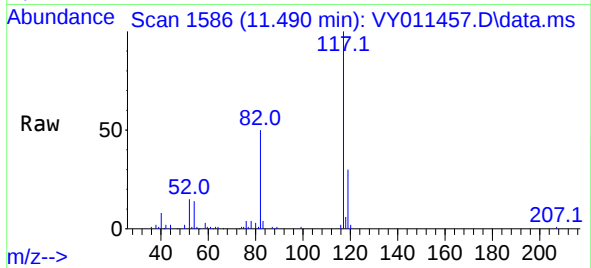




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

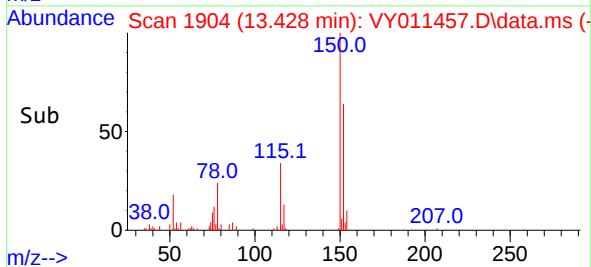
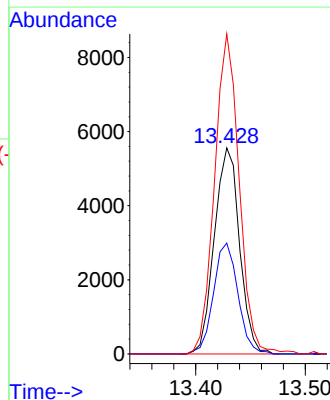
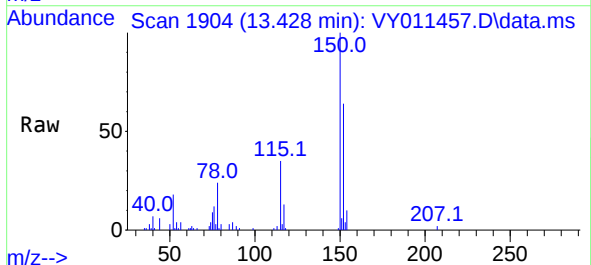
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

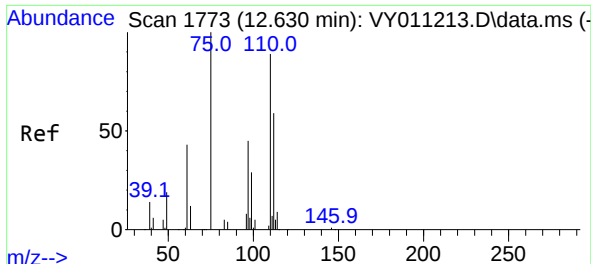
Tgt Ion:117 Resp: 24773
Ion Ratio Lower Upper
117 100
82 50.3 43.0 64.4
119 30.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Tgt Ion:152 Resp: 8880
Ion Ratio Lower Upper
152 100
115 52.3 28.2 84.7
150 151.8 0.0 347.6

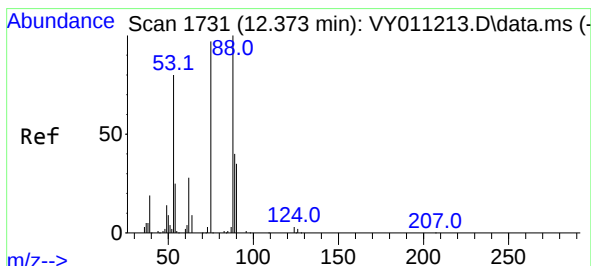
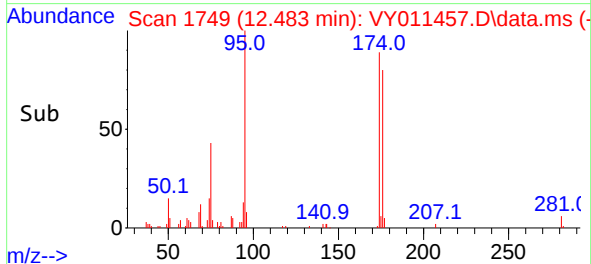
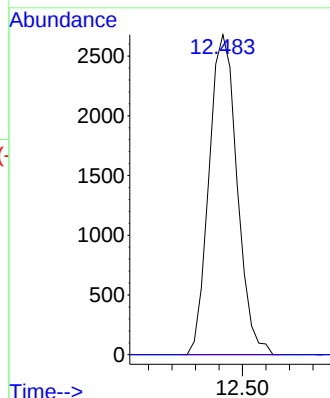
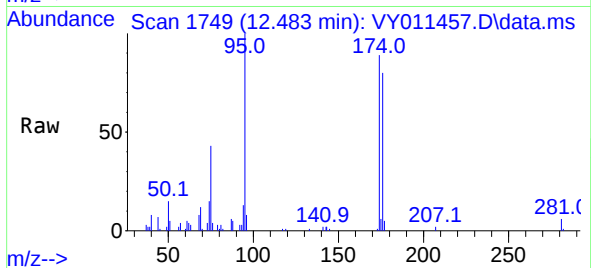




#76
1,2,3-Trichloropropane
Concen: 43.293 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

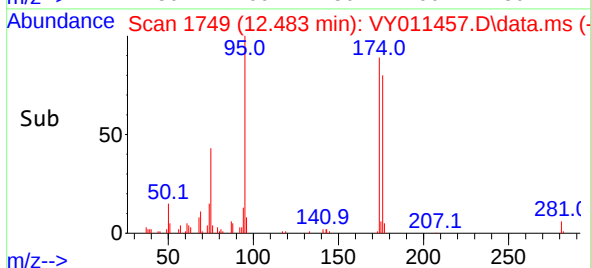
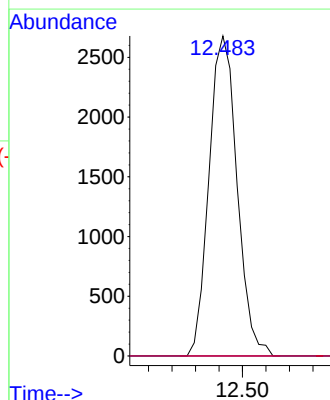
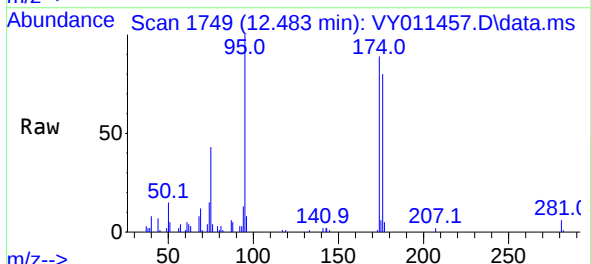
Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533

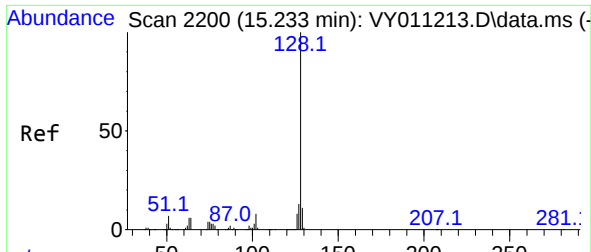
Tgt Ion: 75 Resp: 4450
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 104.063 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

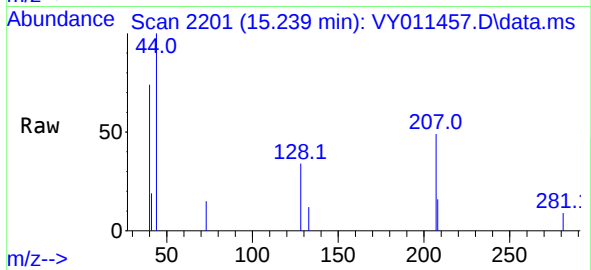
Tgt Ion: 75 Resp: 4450
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.188 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011457.D
Acq: 15 Nov 2022 14:51

Instrument :
MSVOA_Y
ClientSampleId :
FRAC-TANK-0760533



Tgt Ion:128 Resp: 328
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

