

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013343.D
 Acq On : 19 Apr 2023 14:15
 Operator : KP/MD
 Sample : 02371-05
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:56:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

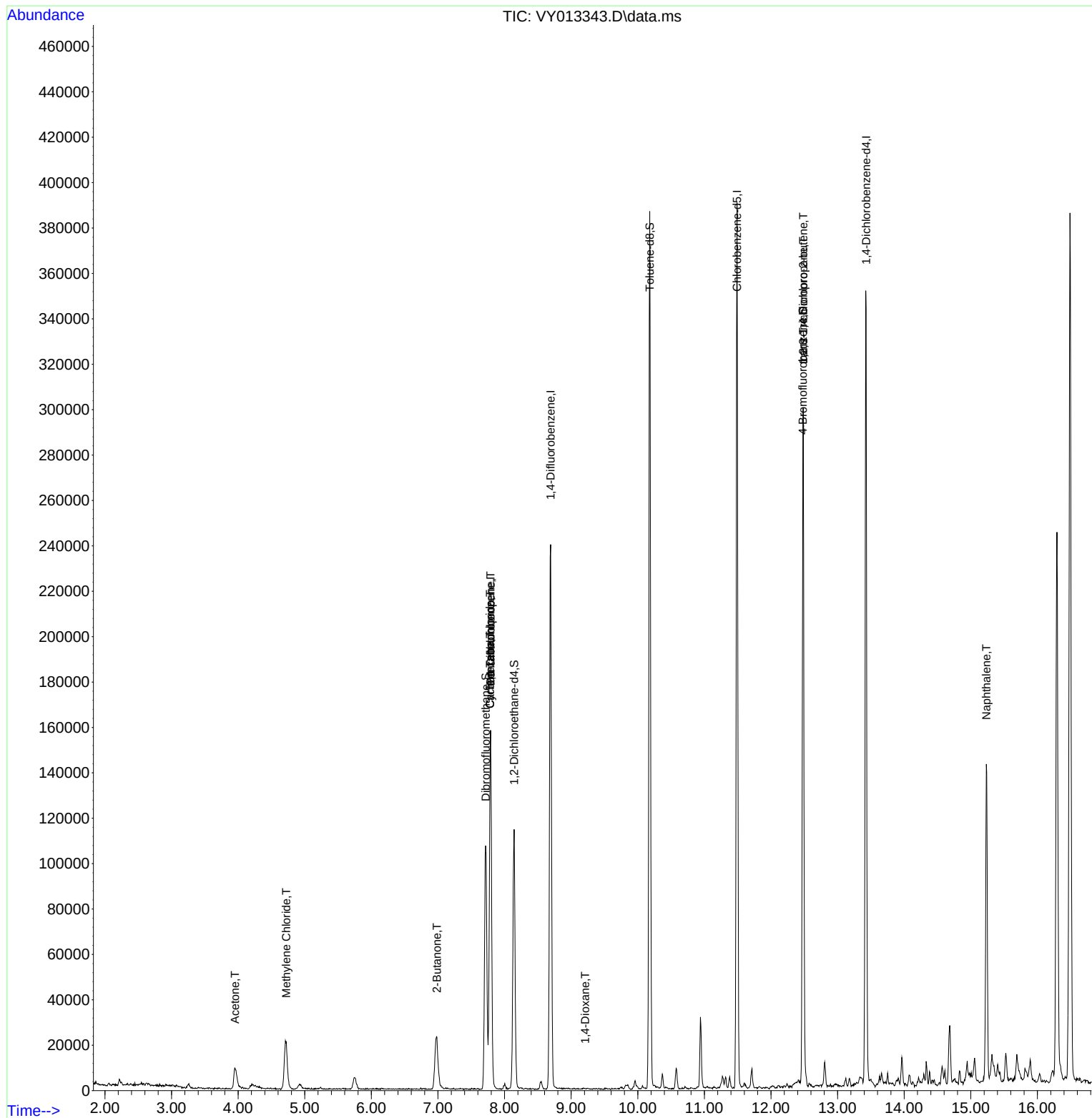
Internal Standards						
1) Pentafluorobenzene	7.789	168	124434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	204897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88162	58.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.920%	
35) Dibromofluoromethane	7.716	113	77840	59.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.140%	
50) Toluene-d8	10.179	98	254021	51.786	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.477	95	82108	51.518	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	2400	Below Cal	#	77
16) Acetone	3.954	43	20358	39.594	ug/l	98
20) Methylene Chloride	4.723	84	15946	8.167	ug/l #	91
25) 2-Butanone	6.984	43	2462	3.740	ug/l #	38
31) Cyclohexane	7.783	56	3034	1.342	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	9566	4.791	ug/l #	45
38) Carbon Tetrachloride	7.783	117	11683	5.292	ug/l #	16
49) 1,4-Dioxane	9.210	88	23	1.881	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	43281	38.313	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43281	79.518	ug/l #	13
95) Naphthalene	15.233	128	116385	30.605	ug/l	99

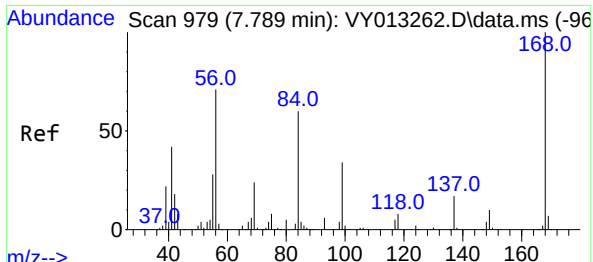
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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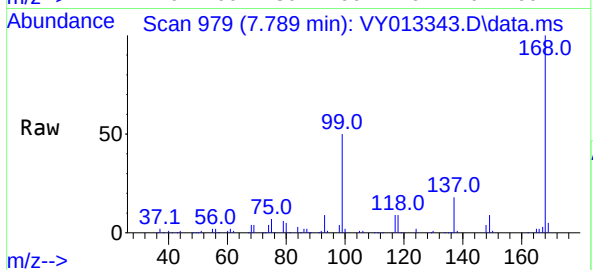
Quant Time: Apr 20 06:56:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



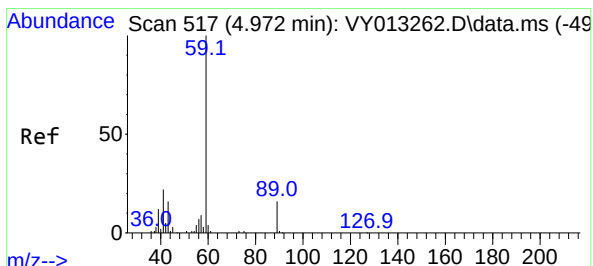
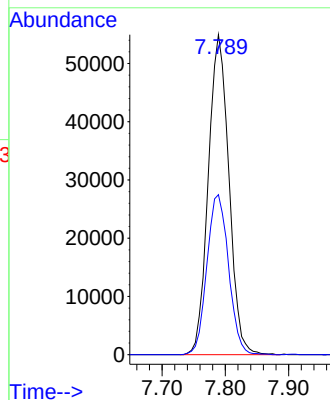
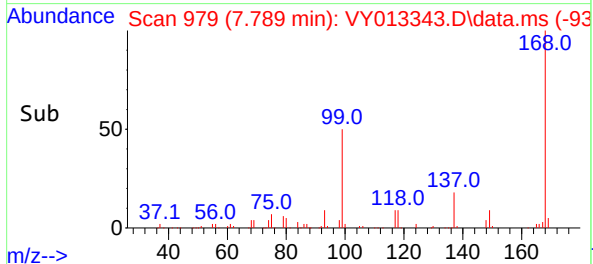


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :

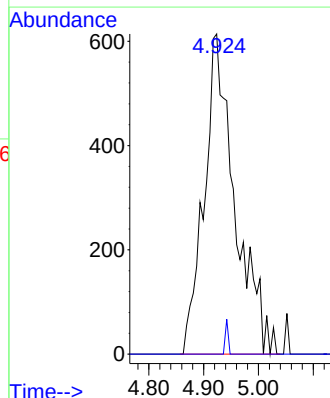
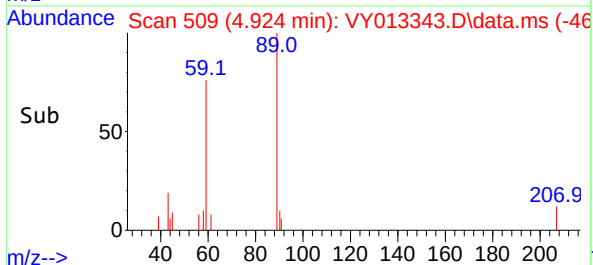
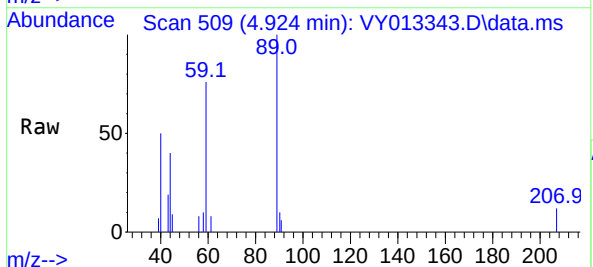


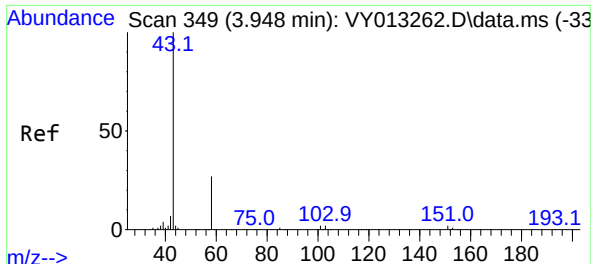
Tgt Ion:168 Resp: 124434
Ion Ratio Lower Upper
168 100
99 50.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.048 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Tgt Ion: 59 Resp: 2400
Ion Ratio Lower Upper
59 100
57 1.0 7.7 11.5#

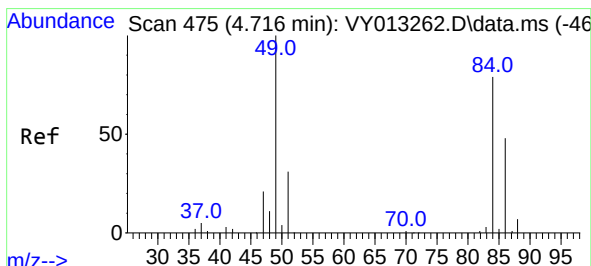
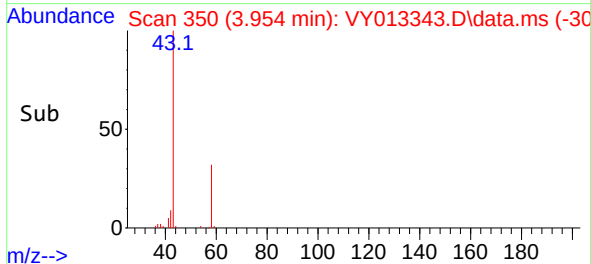
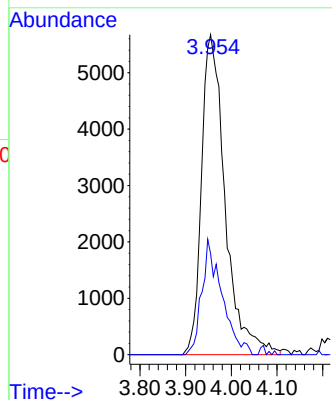
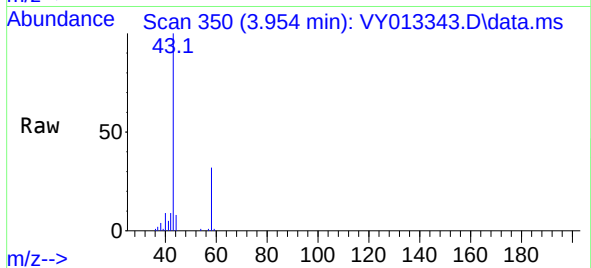




#16
Acetone
Concen: 39.594 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

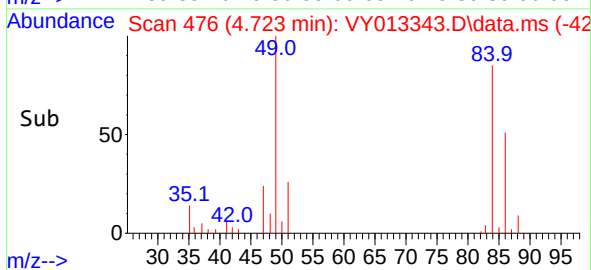
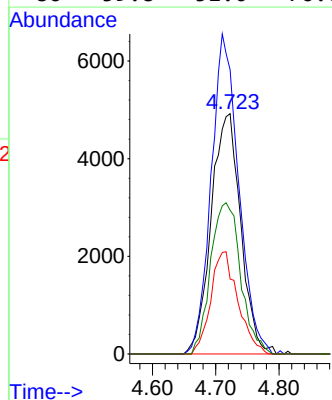
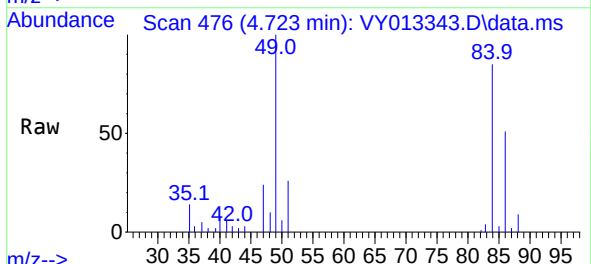
Instrument :
MSVOA_Y
ClientSampleId :

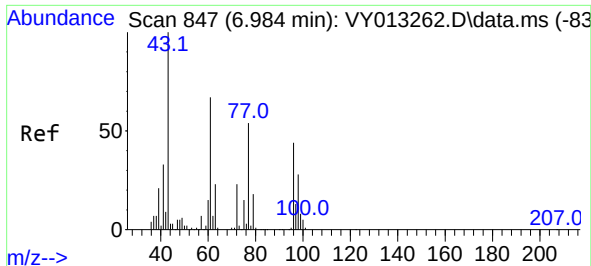
Tgt Ion: 43 Resp: 20358
Ion Ratio Lower Upper
43 100
58 31.5 24.2 36.2



#20
Methylene Chloride
Concen: 8.167 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Tgt Ion: 84 Resp: 15946
Ion Ratio Lower Upper
84 100
49 118.2 102.6 154.0
51 31.1 31.9 47.9#
86 59.8 51.0 76.6





#25

2-Butanone

Concen: 3.740 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

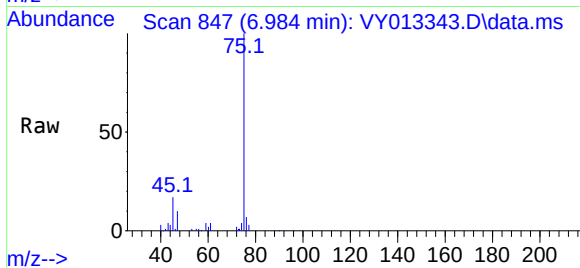
Lab File: VY013343.D

Acq: 19 Apr 2023 14:15

Instrument :

MSVOA_Y

ClientSampleId :

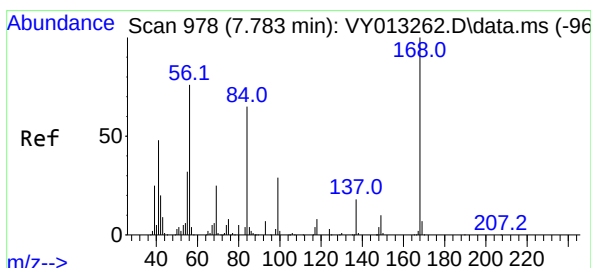
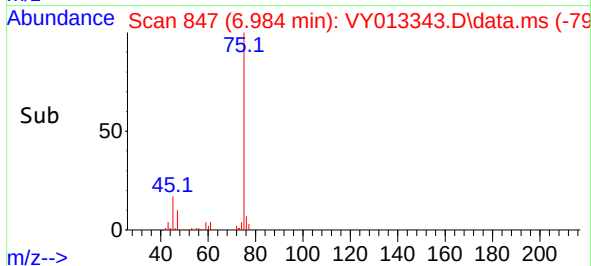
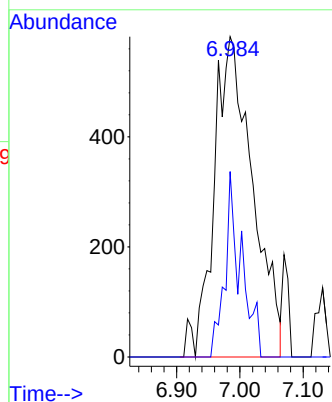


Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

72 57.9 21.0 31.4#



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY013343.D

Acq: 19 Apr 2023 14:15

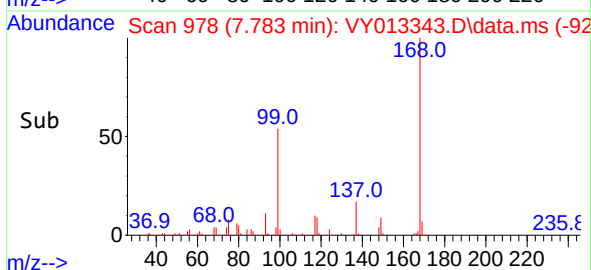
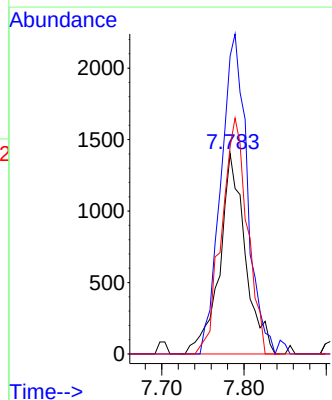
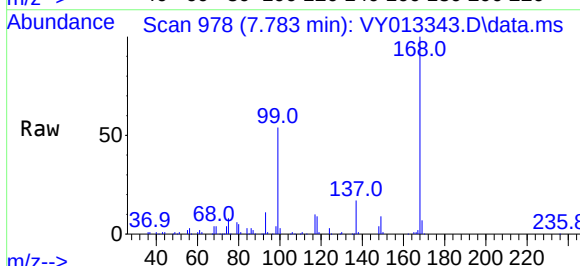
Tgt Ion: 56 Resp: 3034

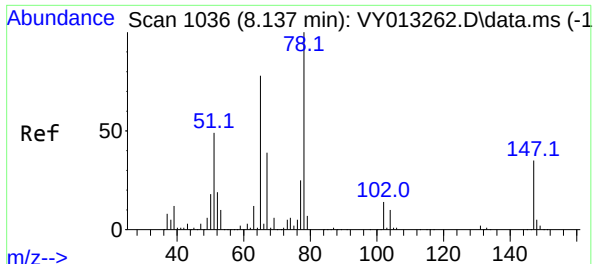
Ion Ratio Lower Upper

56 100

69 148.6 25.7 38.5#

84 103.5 64.3 96.5#

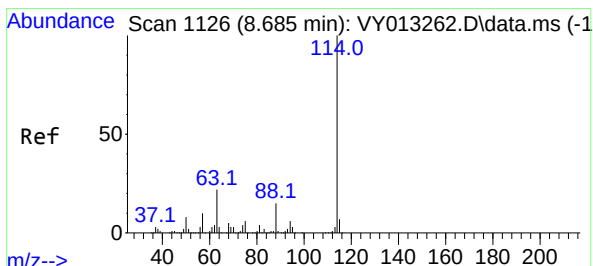
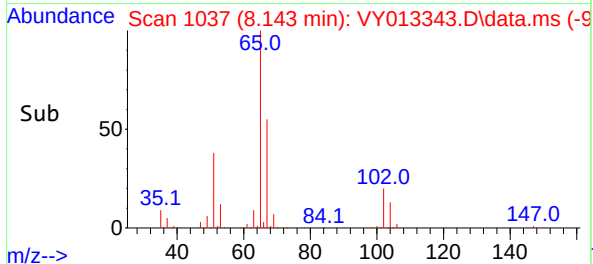
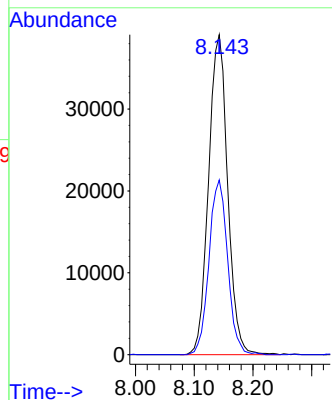
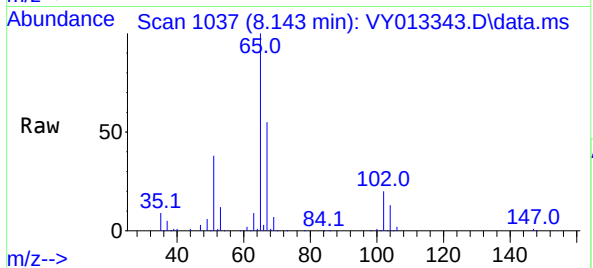




#33
1,2-Dichloroethane-d4
Concen: 58.955 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

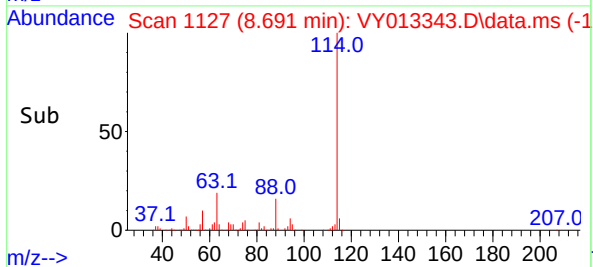
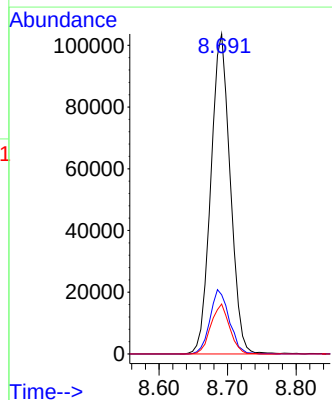
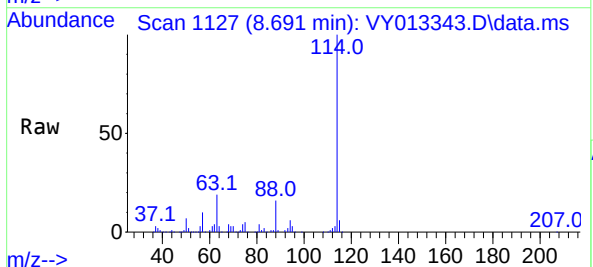
Instrument :
MSVOA_Y
ClientSampleId :

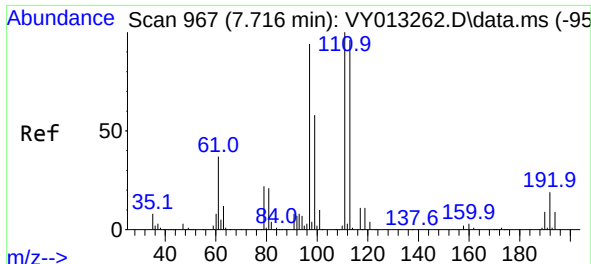
Tgt Ion: 65 Resp: 88162
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

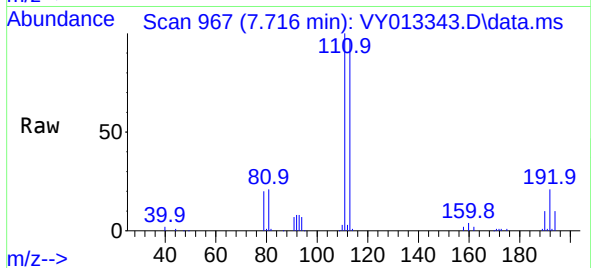
Tgt Ion:114 Resp: 203562
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.4
88 15.6 0.0 28.6



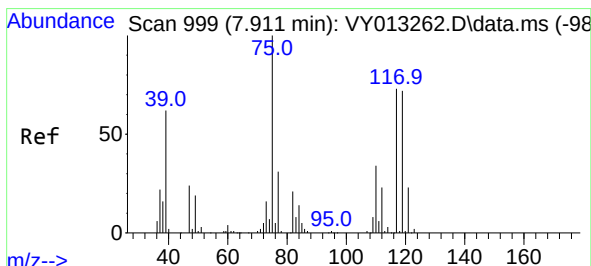
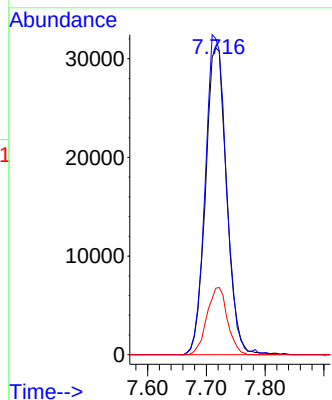
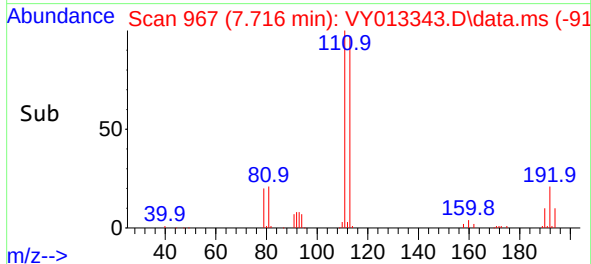


#35
Dibromofluoromethane
Concen: 59.066 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

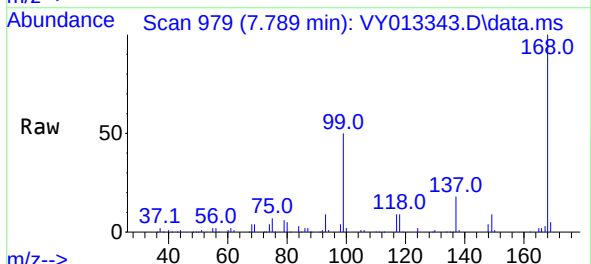
Instrument :
MSVOA_Y
ClientSampleId :



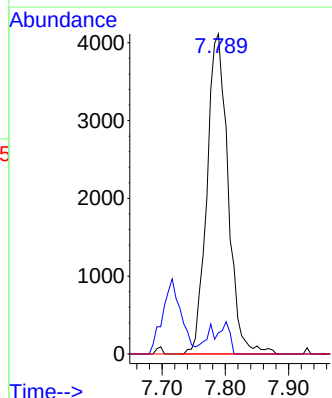
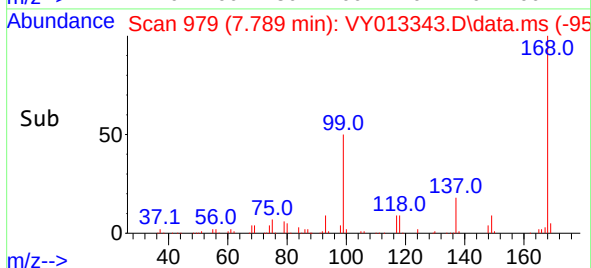
Tgt Ion:113 Resp: 77840
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 21.2 16.8 25.2

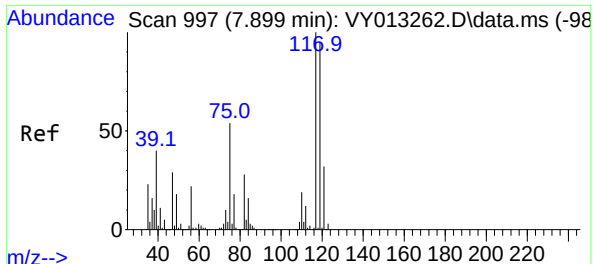


#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15



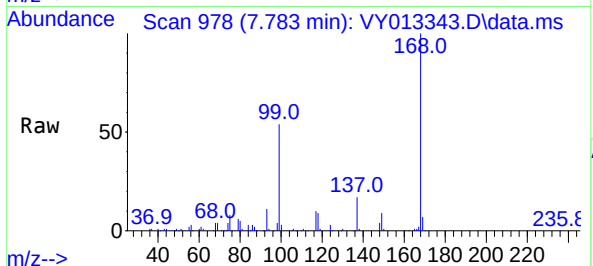
Tgt Ion: 75 Resp: 9566
Ion Ratio Lower Upper
75 100
110 4.0 17.8 53.3#
77 0.0 25.0 37.4#



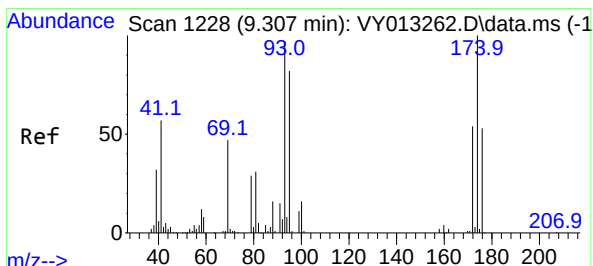
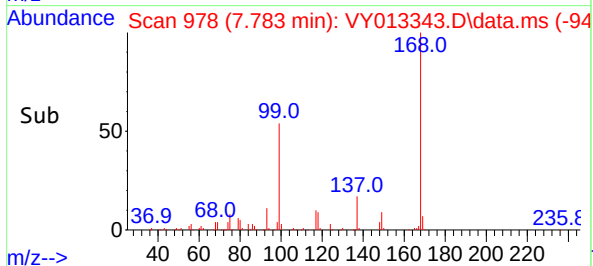
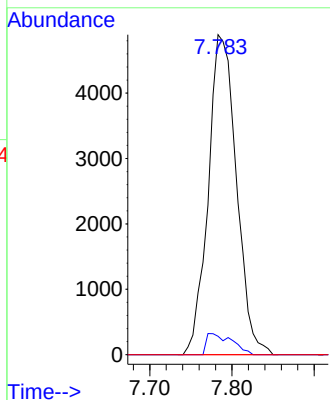


#38
Carbon Tetrachloride
Concen: 5.292 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :

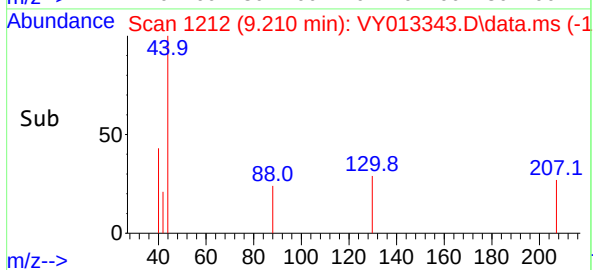
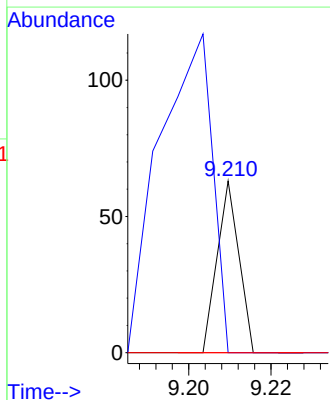
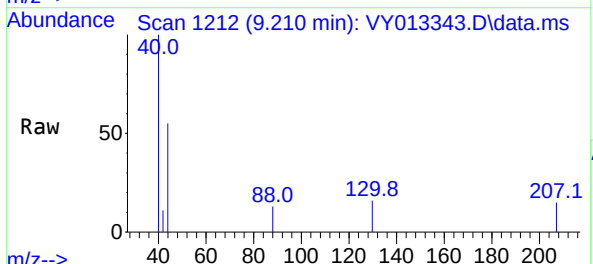


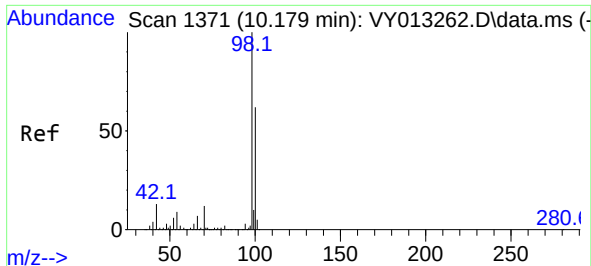
Tgt Ion:117 Resp: 11683
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.881 ug/l
RT: 9.210 min Scan# 1212
Delta R.T. -0.098 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 452.2 28.6 42.8#
58 0.0 55.2 82.8#

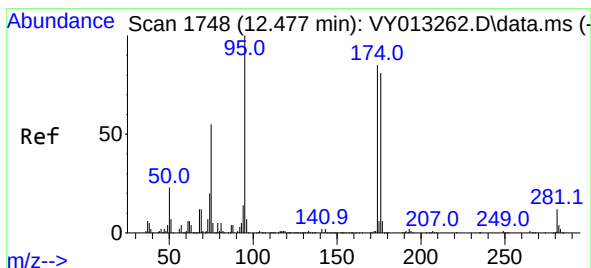
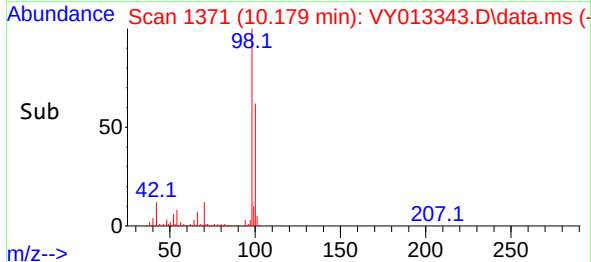
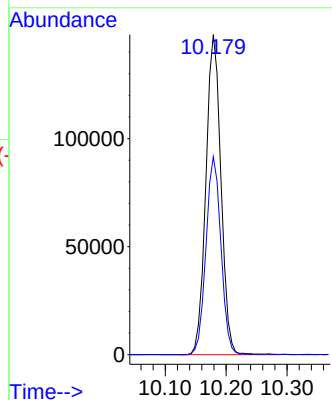
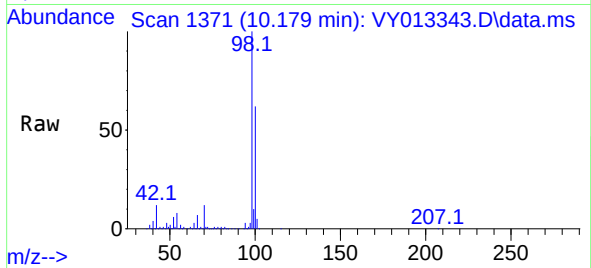




#50
Toluene-d8
Concen: 51.786 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

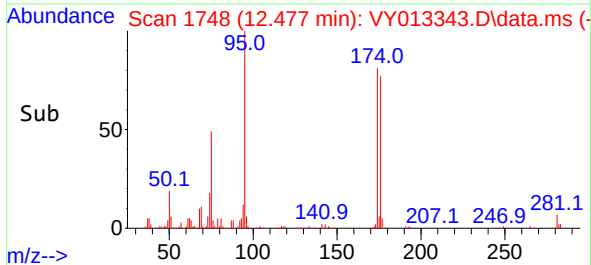
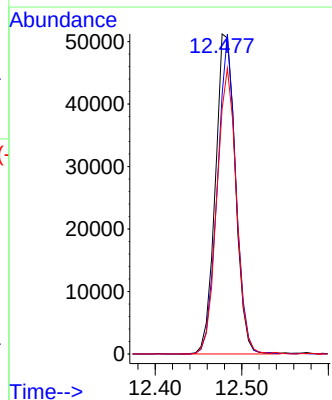
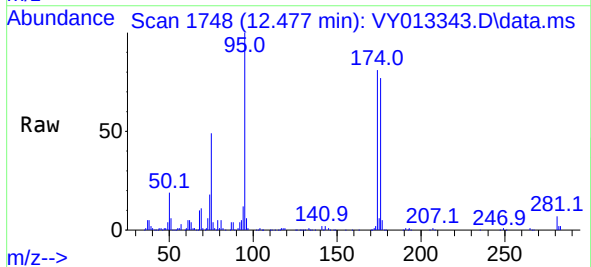
Instrument :
MSVOA_Y
ClientSampleId :

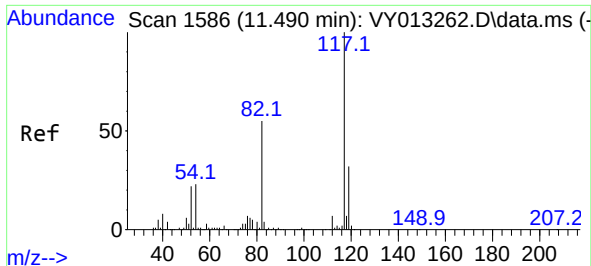
Tgt Ion: 98 Resp: 254021
Ion Ratio Lower Upper
98 100
100 61.6 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 51.518 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

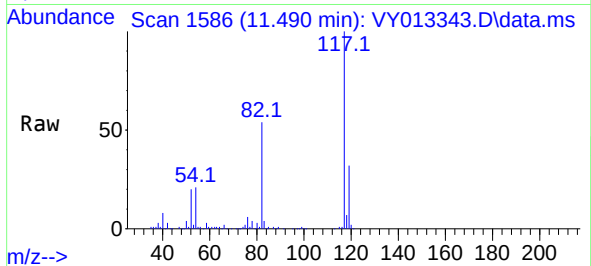
Tgt Ion: 95 Resp: 82108
Ion Ratio Lower Upper
95 100
174 92.0 0.0 176.6
176 86.9 0.0 170.2



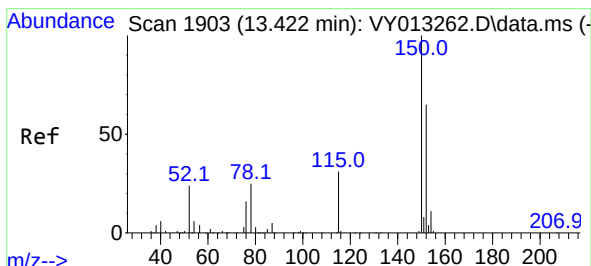
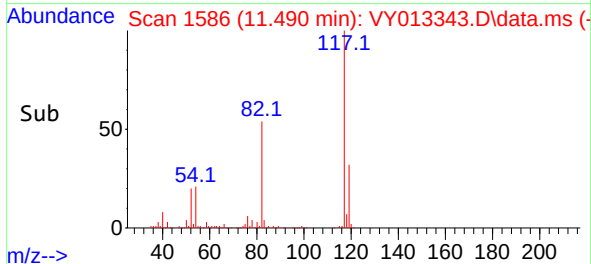
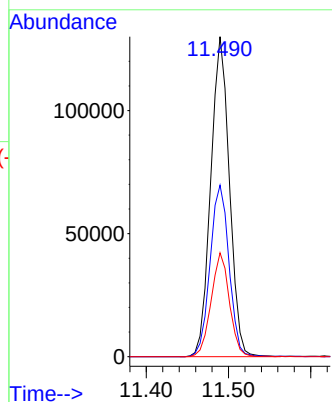


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :

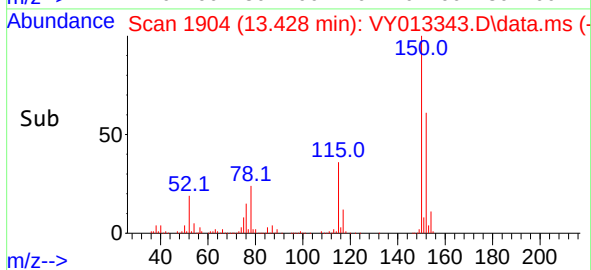
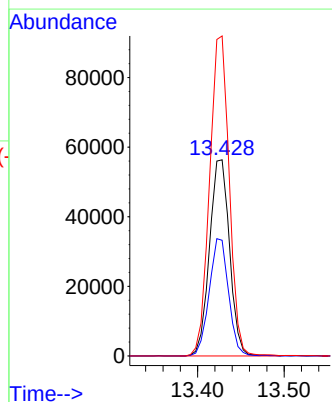
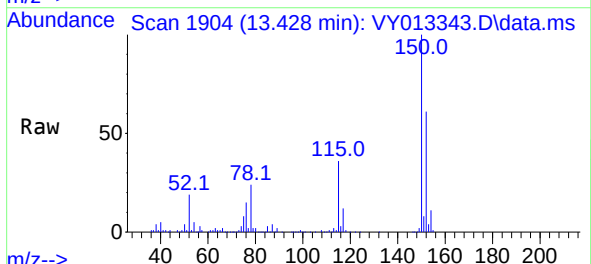


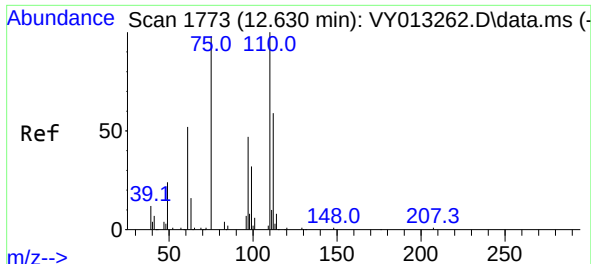
Tgt Ion:117 Resp: 204897
Ion Ratio Lower Upper
117 100
82 53.6 45.4 68.0
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Tgt Ion:152 Resp: 90658
Ion Ratio Lower Upper
152 100
115 57.8 27.1 81.3
150 160.0 0.0 347.8

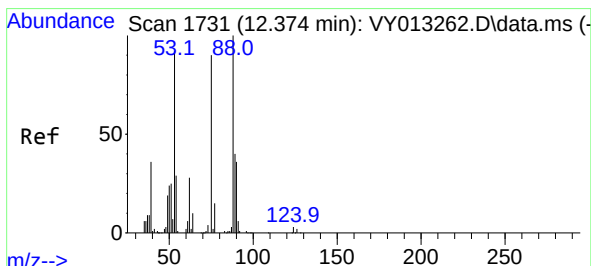
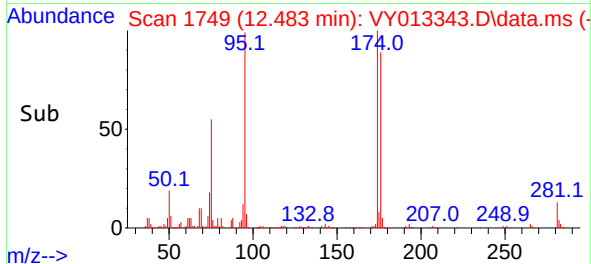
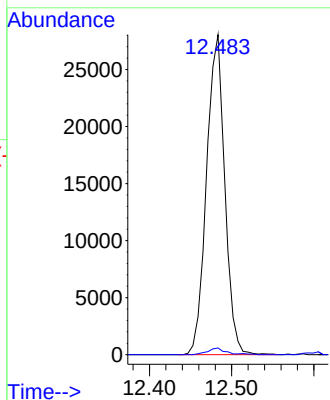
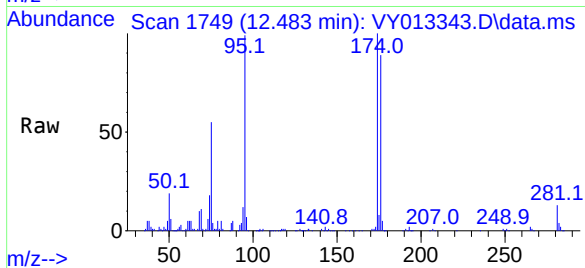




#76
1,2,3-Trichloropropane
Concen: 38.313 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

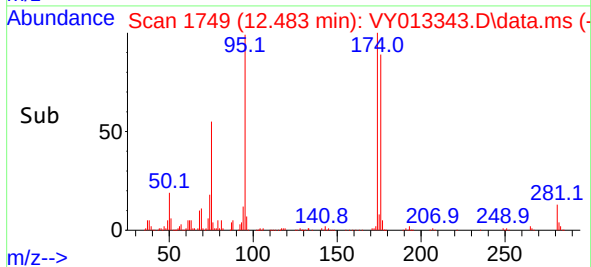
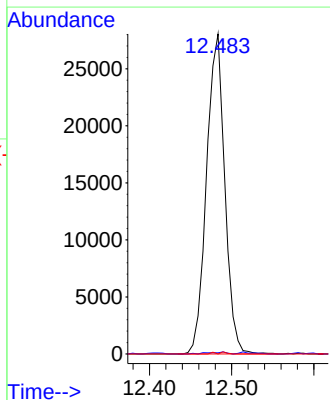
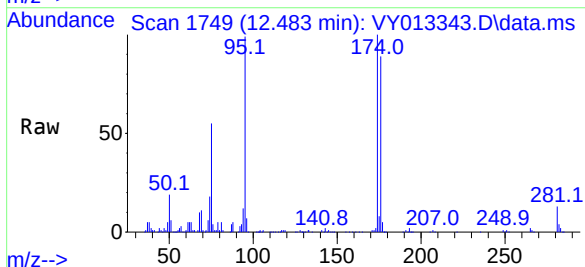
Instrument :
MSVOA_Y
ClientSampleId :

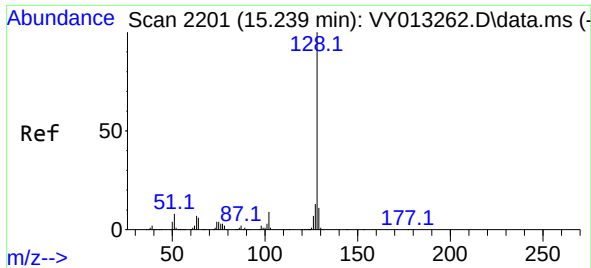
Tgt Ion: 75 Resp: 43281
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.518 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

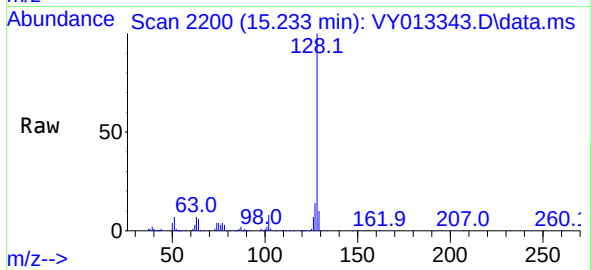
Tgt Ion: 75 Resp: 43281
Ion Ratio Lower Upper
75 100
53 0.6 73.4 110.0#
89 0.1 36.6 55.0#





#95
Naphthalene
Concen: 30.605 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013343.D
Acq: 19 Apr 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 116385
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.0 8.6 13.0

