

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013345.D
 Acq On : 19 Apr 2023 15:08
 Operator : KP/MD
 Sample : 02371-09
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:56:19 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)

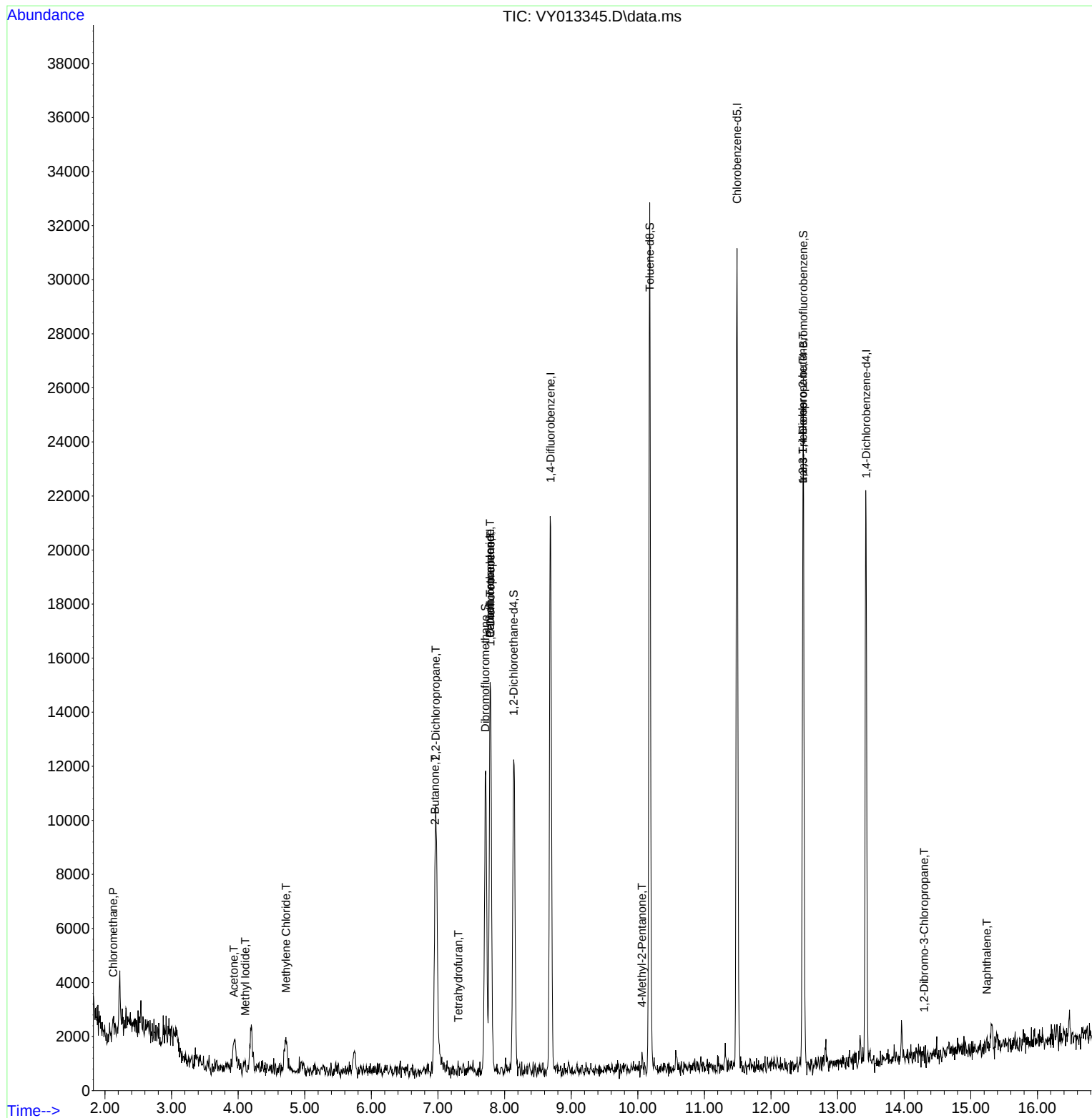
Internal Standards						
1) Pentafluorobenzene	7.783	168	12055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	17248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9877	68.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.360%	
35) Dibromofluoromethane	7.710	113	8136	72.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 144.020%	
50) Toluene-d8	10.179	98	20717	49.263	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	12.483	95	5998	43.896	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	323	2.376	ug/l #	42
10) Methyl Iodide	4.107	142	185	1.280	ug/l #	88
11) Tert butyl alcohol	4.985	59	61	Below Cal	#	74
16) Acetone	3.936	43	2331	46.796	ug/l #	79
20) Methylene Chloride	4.716	84	848	2.376	ug/l #	84
25) 2-Butanone	6.954	43	544	8.529	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	746	3.486	ug/l #	52
29) Tetrahydrofuran	7.307	42	46	1.188	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	1022	5.971	ug/l #	41
38) Carbon Tetrachloride	7.783	117	813	4.296	ug/l #	12
51) 4-Methyl-2-Pentanone	10.063	43	330	2.646	ug/l #	57
76) 1,2,3-Trichloropropane	12.477	75	3154	42.398	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3154	87.996	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.300	75	20	1.089	ug/l #	1
95) Naphthalene	15.239	128	476	4.906	ug/l #	76

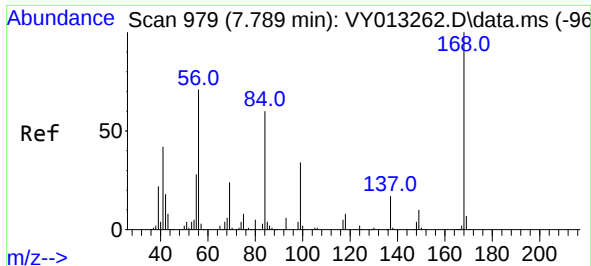
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 06:56:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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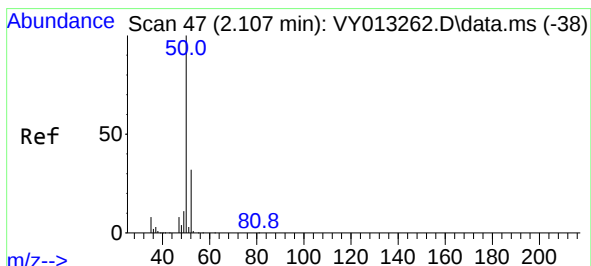
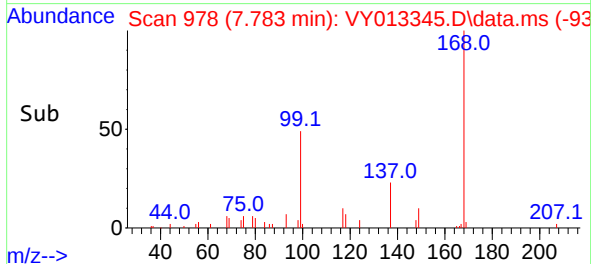
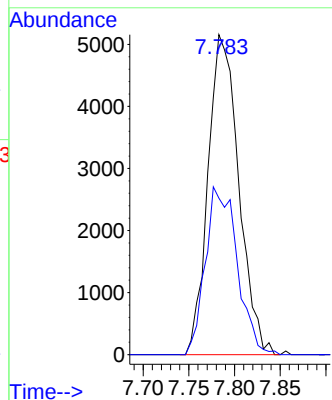
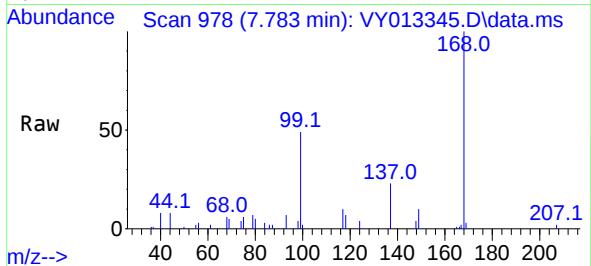




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

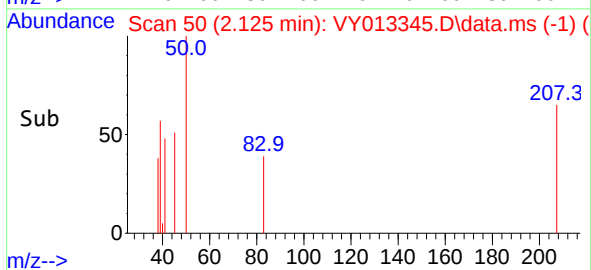
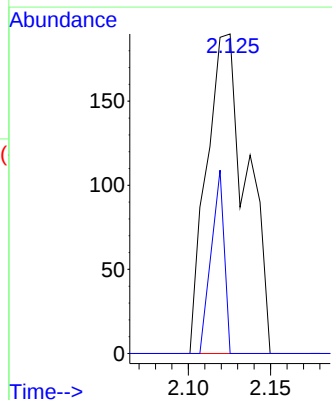
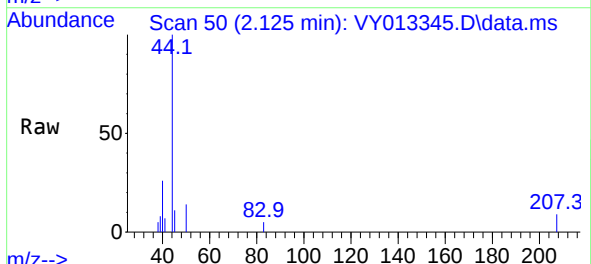
Instrument :
MSVOA_Y
ClientSampleId :

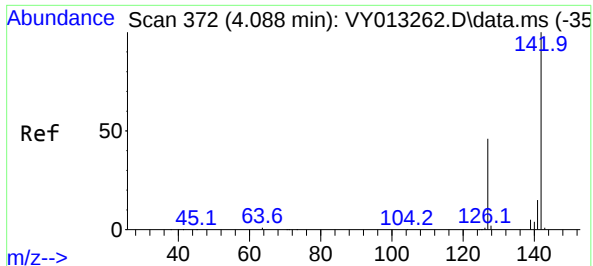
Tgt Ion:168 Resp: 12055
Ion Ratio Lower Upper
168 100
99 48.9 41.7 62.5



#3
Chloromethane
Concen: 2.376 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

Tgt Ion: 50 Resp: 323
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

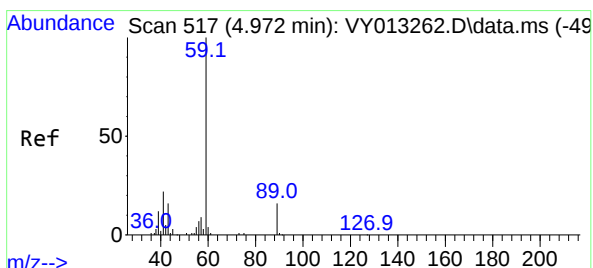
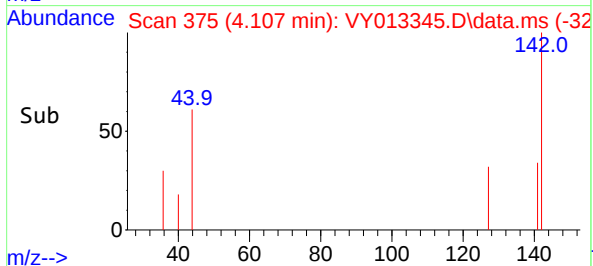
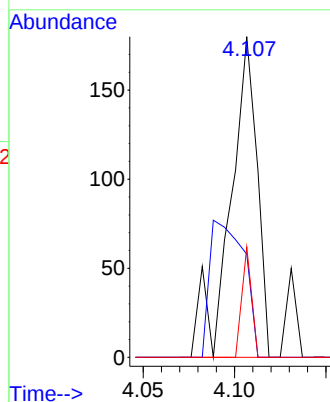
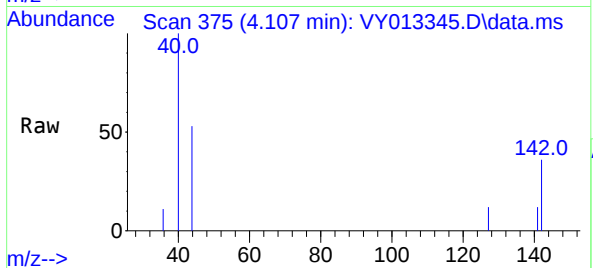




#10
Methyl Iodide
Concen: 1.280 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

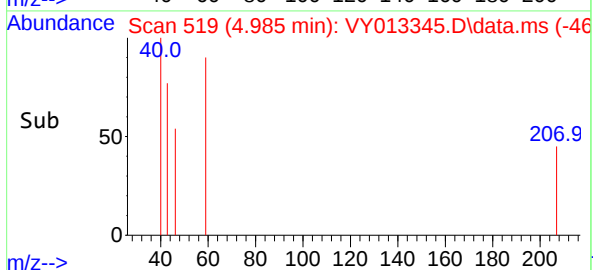
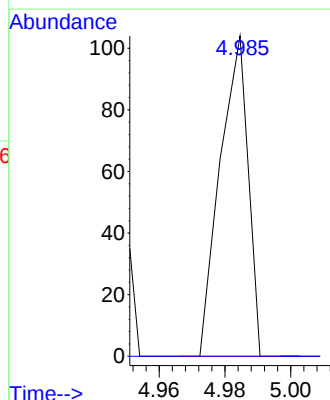
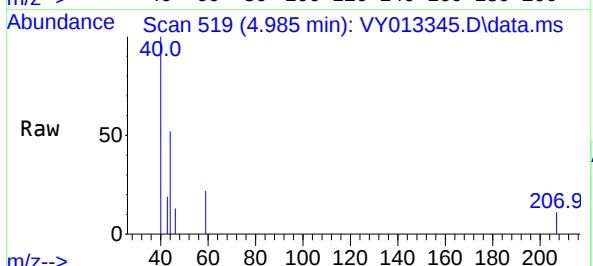
Instrument :
MSVOA_Y
ClientSampleId :

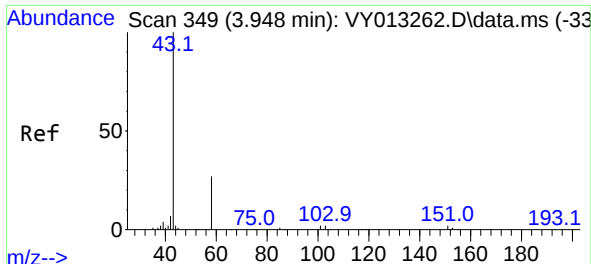
Tgt Ion:142 Resp: 185
Ion Ratio Lower Upper
142 100
127 54.1 35.4 53.2#
141 12.4 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.013 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

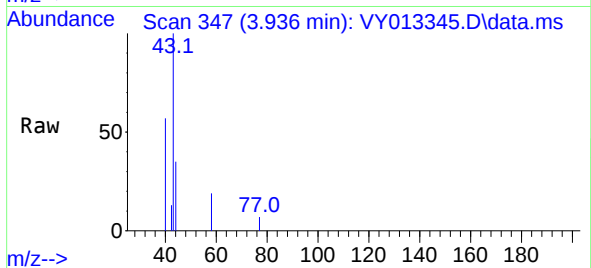
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



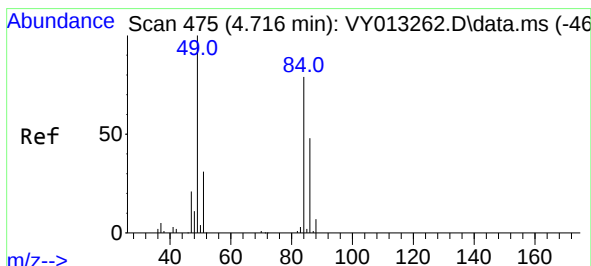
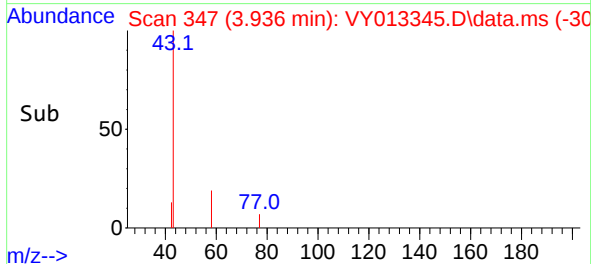
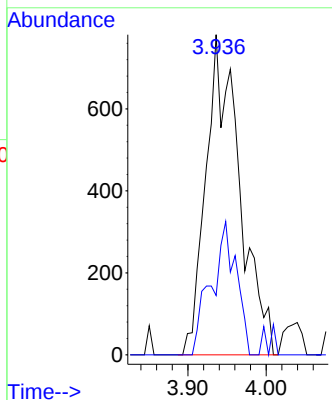


#16
Acetone
Concen: 46.796 ug/l
RT: 3.936 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

Instrument :
MSVOA_Y
ClientSampleId :

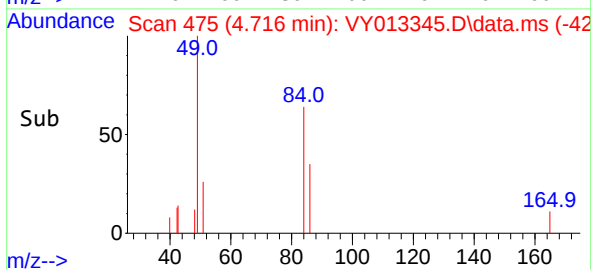
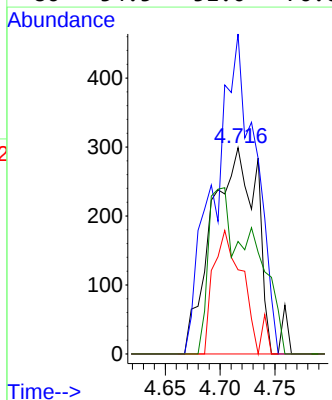
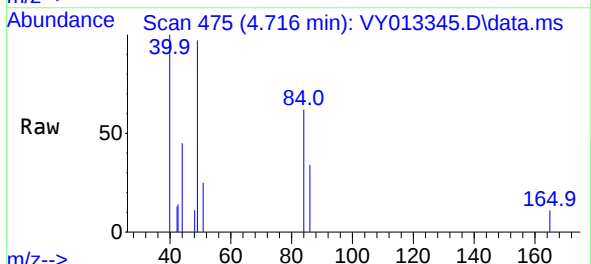


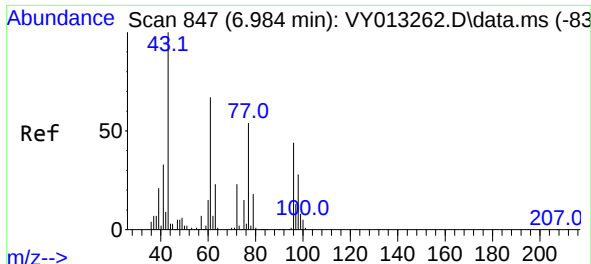
Tgt Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
58 18.6 24.2 36.2#



#20
Methylene Chloride
Concen: 2.376 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

Tgt Ion: 84 Resp: 848
Ion Ratio Lower Upper
84 100
49 155.2 102.6 154.0#
51 40.8 31.9 47.9
86 54.5 51.0 76.6





#25

2-Butanone

Concen: 8.529 ug/l

RT: 6.954 min Scan# 84

Delta R.T. -0.031 min

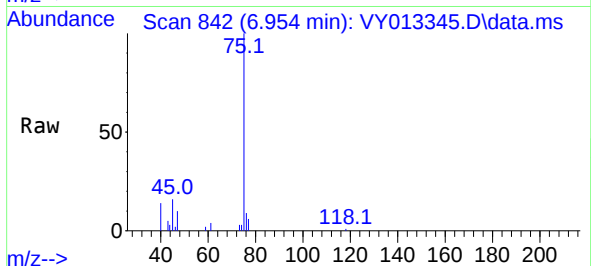
Lab File: VY013345.D

Acq: 19 Apr 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

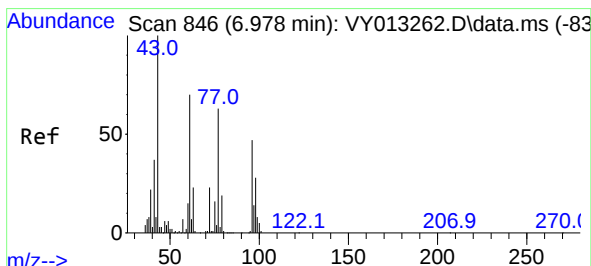
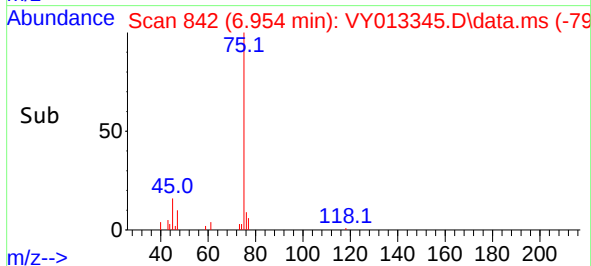
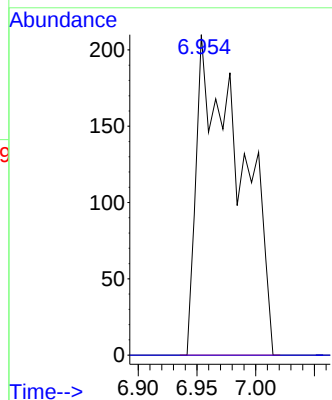


Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 3.486 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY013345.D

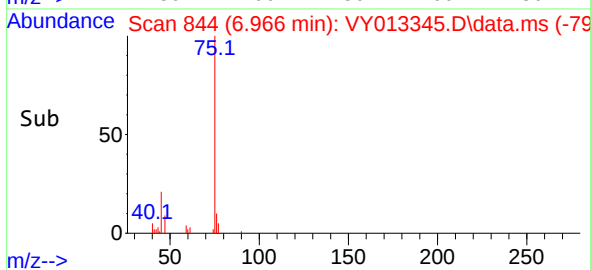
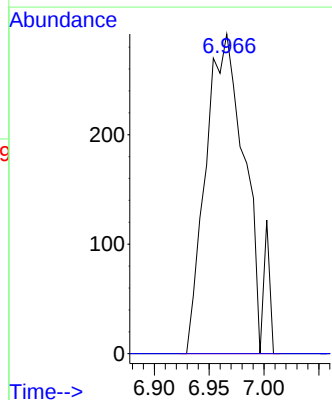
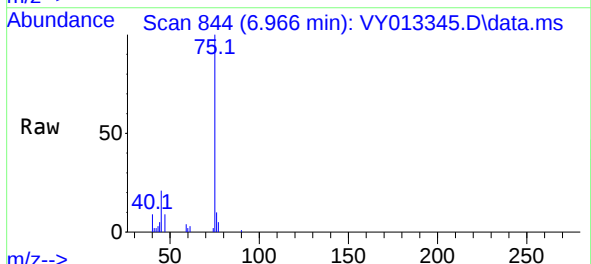
Acq: 19 Apr 2023 15:08

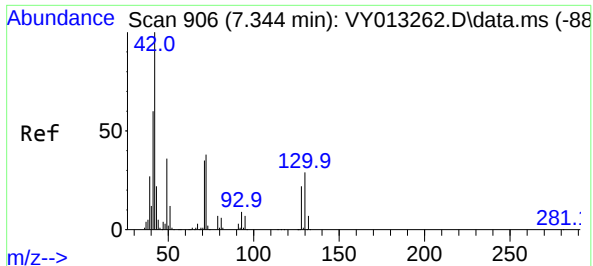
Tgt Ion: 77 Resp: 746

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

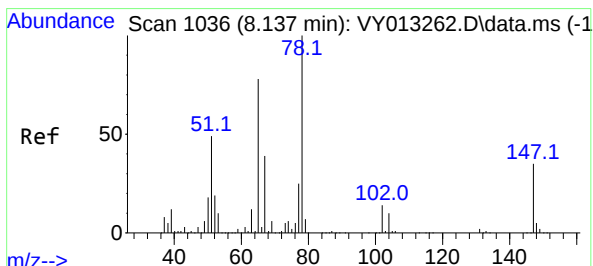
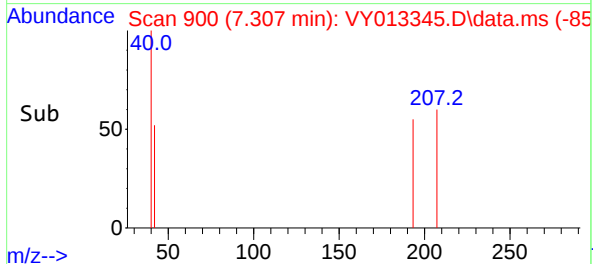
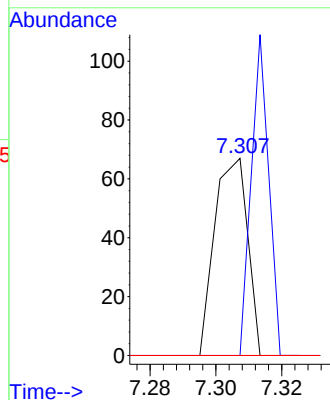
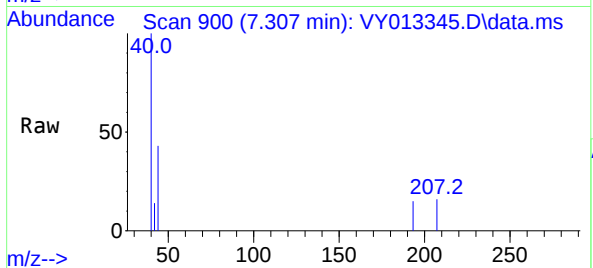




#29
Tetrahydrofuran
Concen: 1.188 ug/l
RT: 7.307 min Scan# 906
Delta R.T. -0.037 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

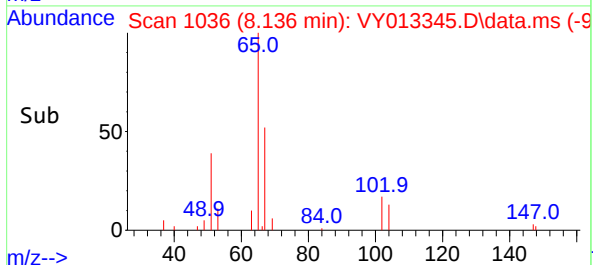
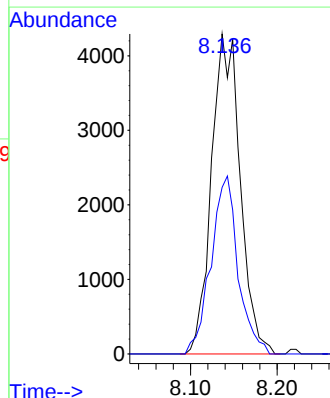
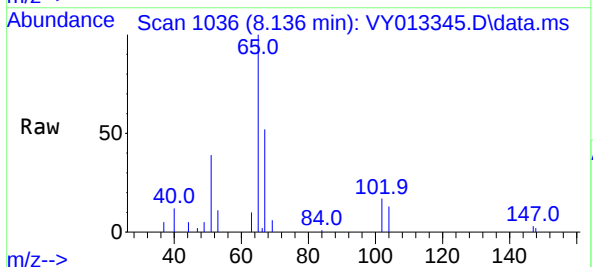
Instrument :
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ClientSampleId :

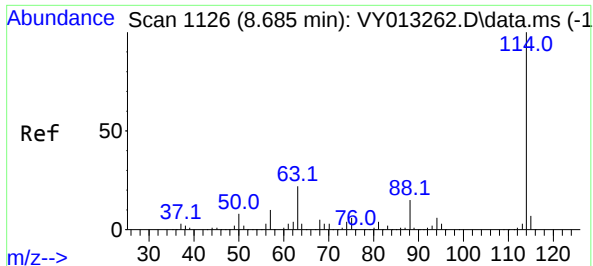
Tgt Ion:	42	Resp:	46
Ion	Ratio	Lower	Upper
42	100		
72	87.0	32.3	48.5#
71	0.0	30.3	45.5#



#33
1,2-Dichloroethane-d4
Concen: 68.177 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

Tgt Ion:	65	Resp:	9877
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.0

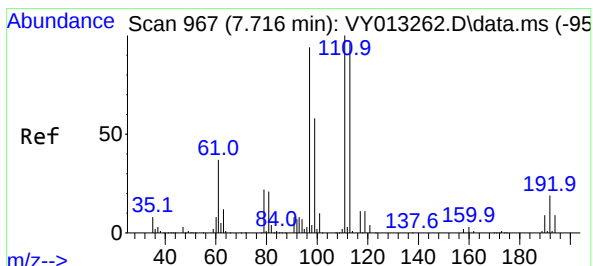
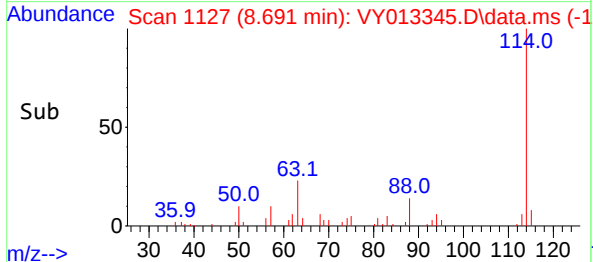
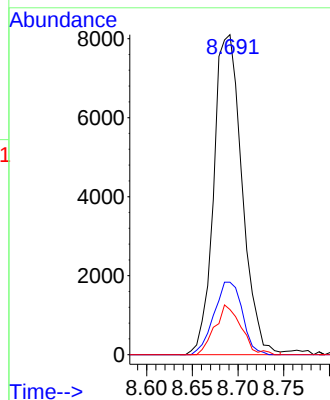
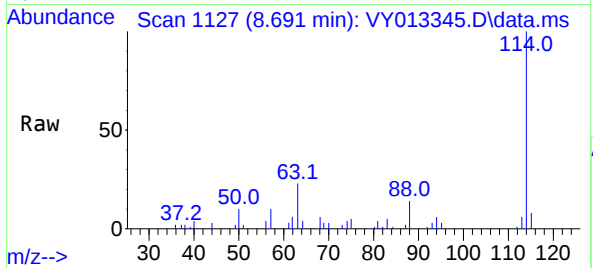




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

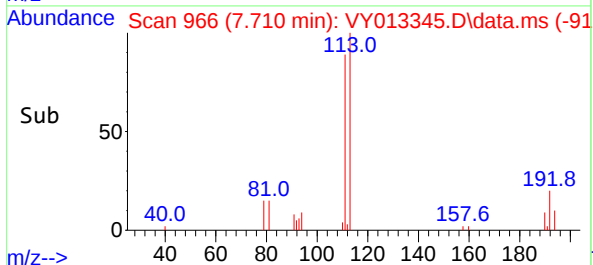
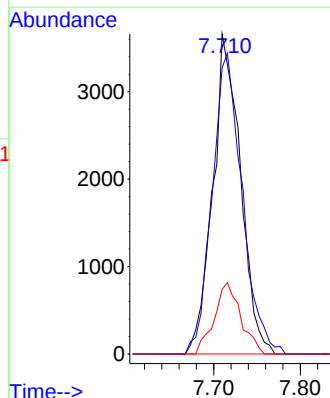
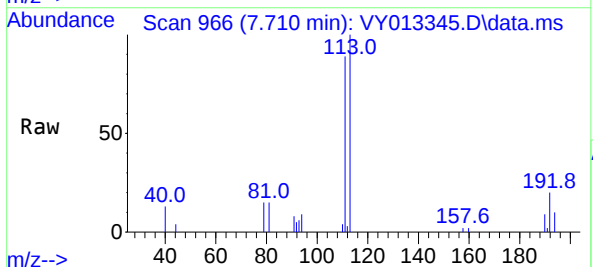
Instrument :
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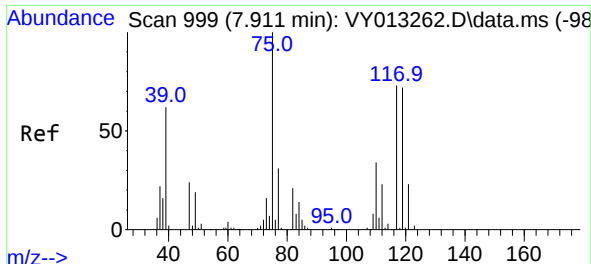
Tgt Ion:114	Resp:	17452
Ion Ratio	Lower	Upper
114	100	
63	22.6	0.0 37.4
88	14.1	0.0 28.6



#35
Dibromofluoromethane
Concen: 72.011 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

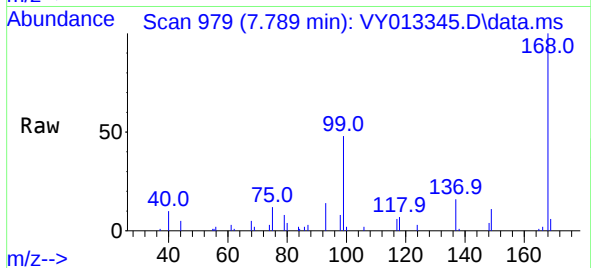
Tgt Ion:113	Resp:	8136
Ion Ratio	Lower	Upper
113	100	
111	101.5	82.2 123.2
192	21.3	16.8 25.2



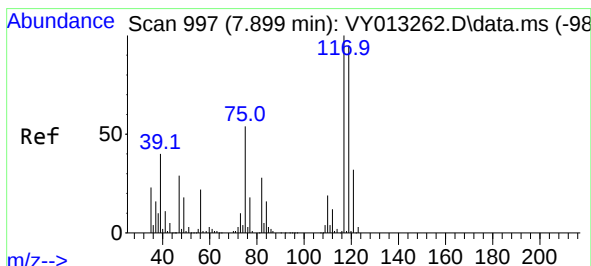
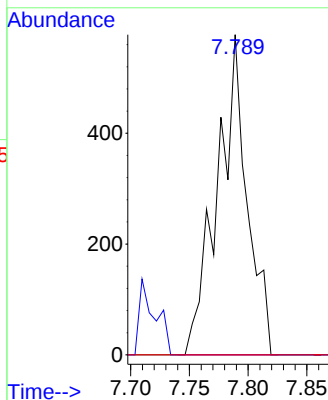
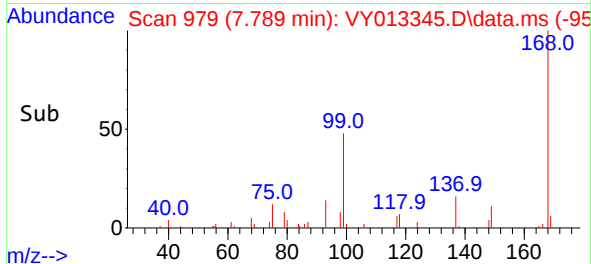


#36
1,1-Dichloropropene
Concen: 5.971 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

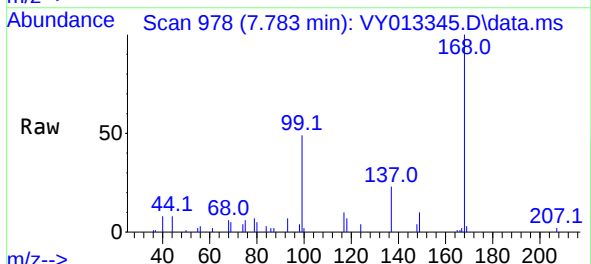
Instrument :
MSVOA_Y
ClientSampleId :



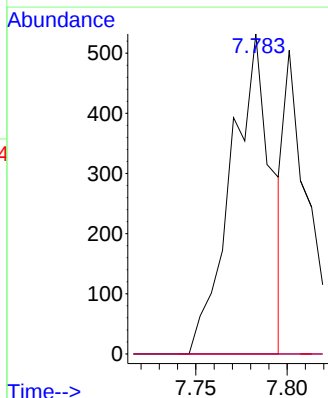
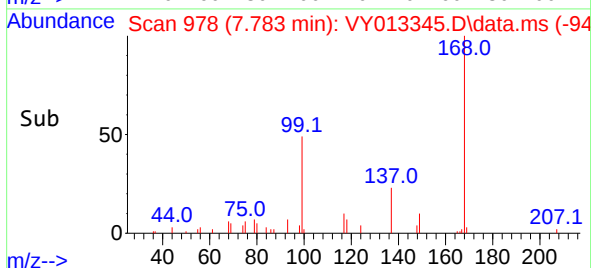
Tgt Ion: 75 Resp: 1022
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 25.0 37.4#

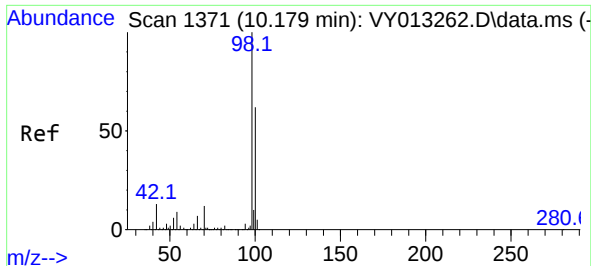


#38
Carbon Tetrachloride
Concen: 4.296 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08



Tgt Ion: 117 Resp: 813
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#

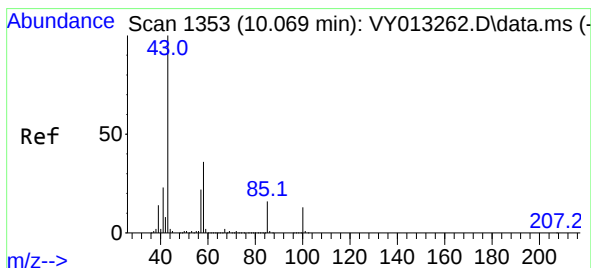
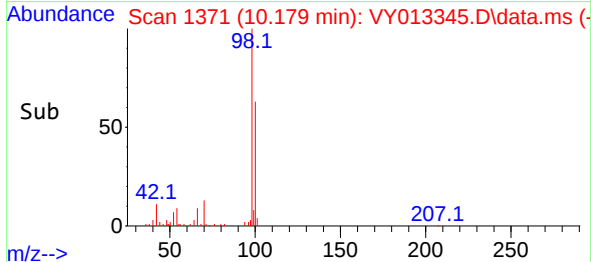
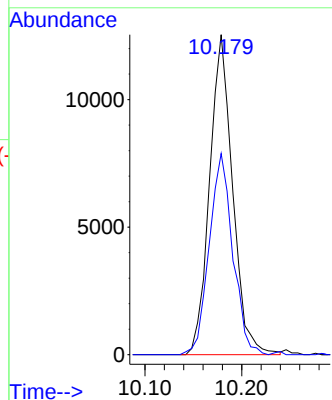
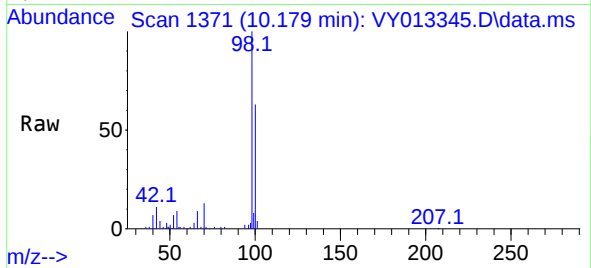




#50
Toluene-d8
Concen: 49.263 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

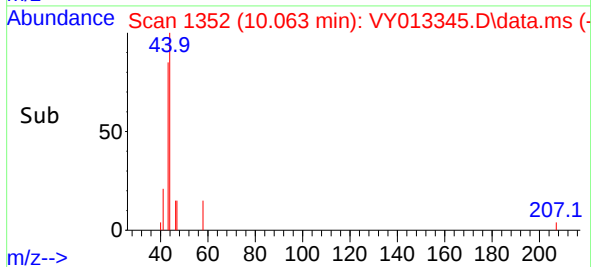
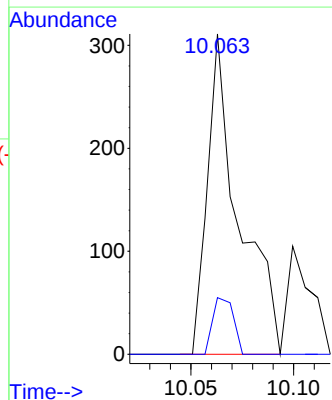
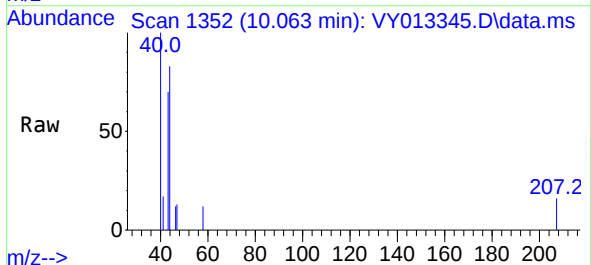
Instrument :
MSVOA_Y
ClientSampleId :

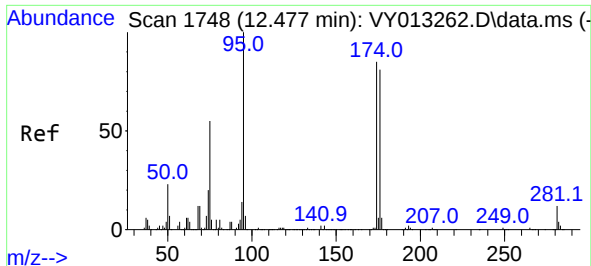
Tgt Ion: 98 Resp: 20717
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.646 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

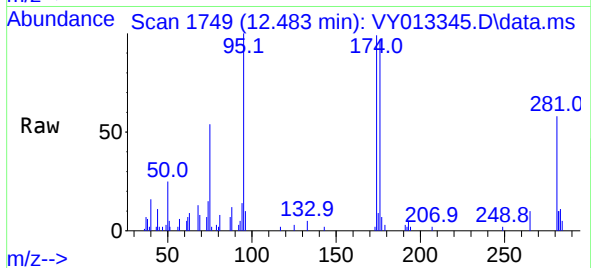
Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
58 11.5 29.8 44.6#



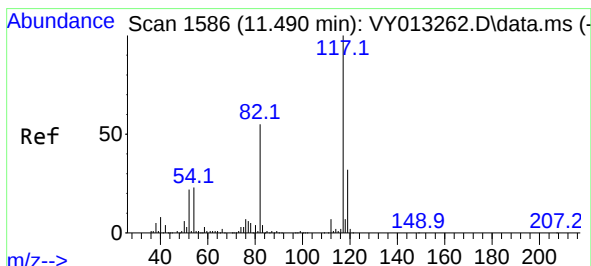
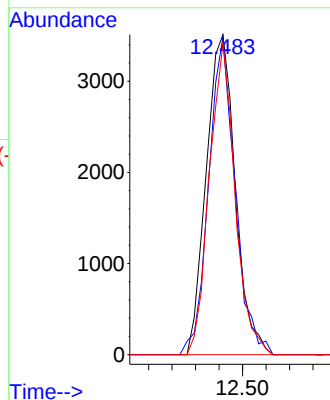
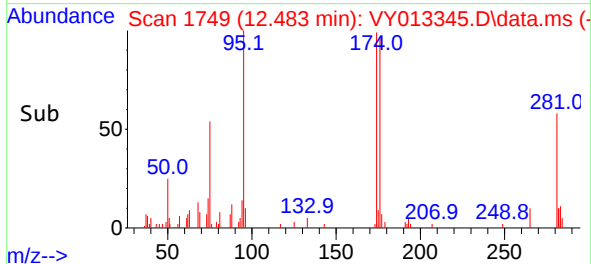


#62
4-Bromofluorobenzene
Concen: 43.896 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

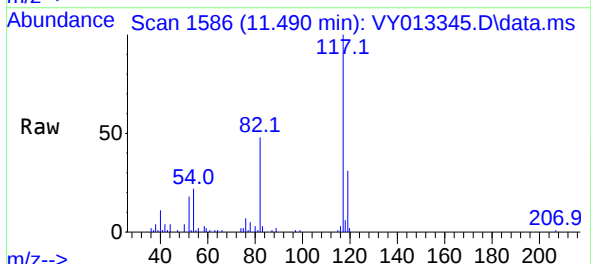
Instrument :
MSVOA_Y
ClientSampleId :



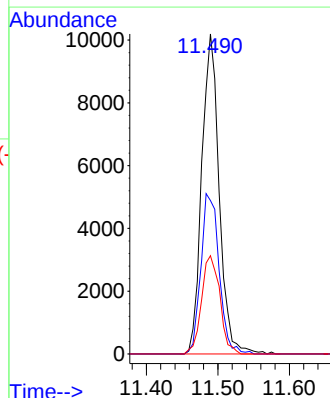
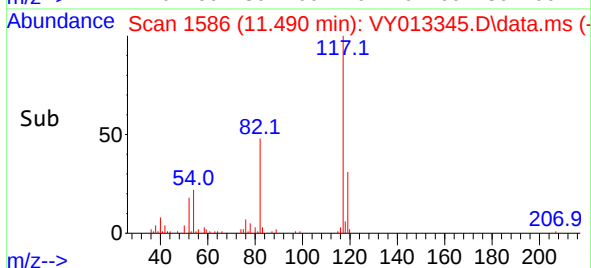
Tgt Ion: 95 Resp: 5998
Ion Ratio Lower Upper
95 100
174 91.0 0.0 176.6
176 86.5 0.0 170.2

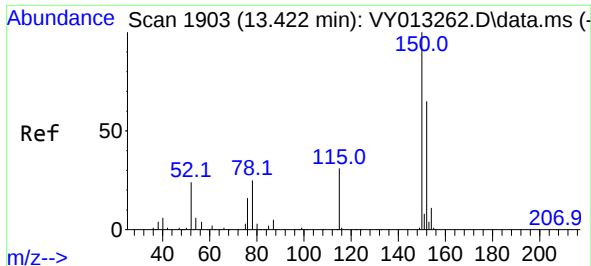


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08



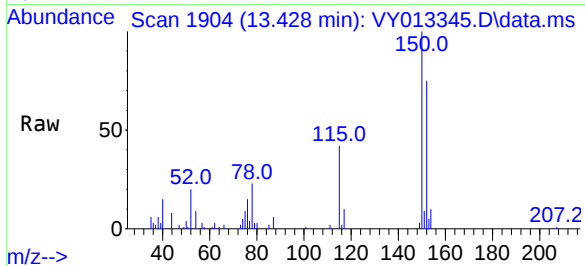
Tgt Ion: 117 Resp: 17248
Ion Ratio Lower Upper
117 100
82 48.0 45.4 68.0
119 30.7 25.6 38.4



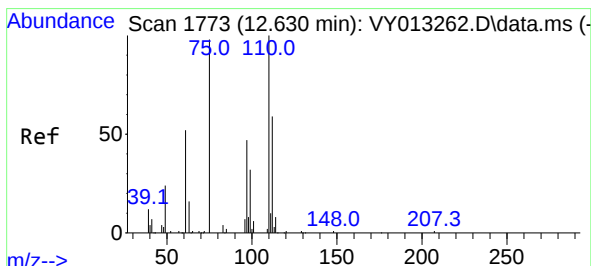
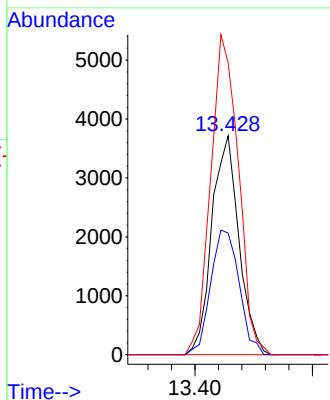
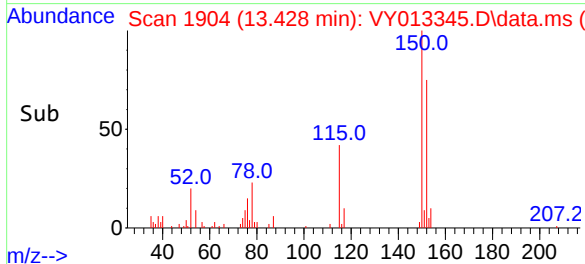


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013345.D
 Acq: 19 Apr 2023 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :

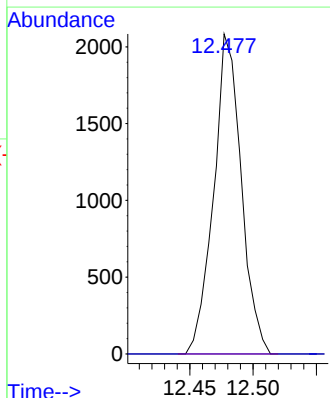
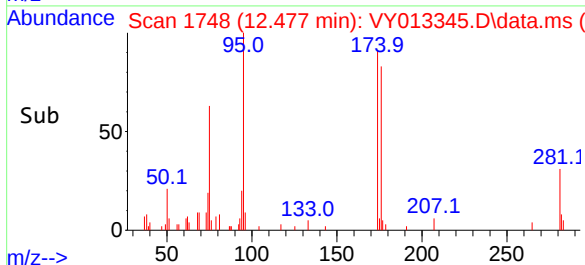
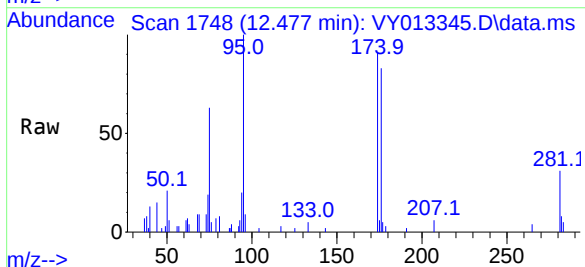


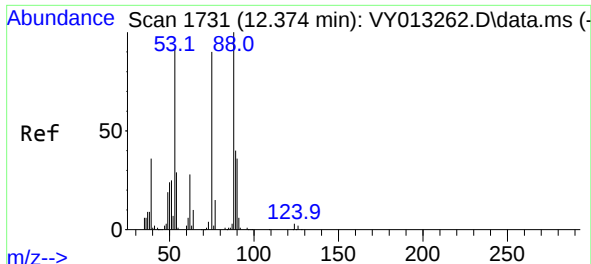
Tgt Ion:152 Resp: 5970
 Ion Ratio Lower Upper
 152 100
 115 59.6 27.1 81.3
 150 148.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 42.398 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013345.D
 Acq: 19 Apr 2023 15:08

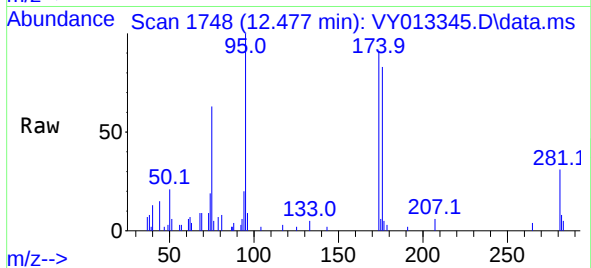
Tgt Ion: 75 Resp: 3154
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



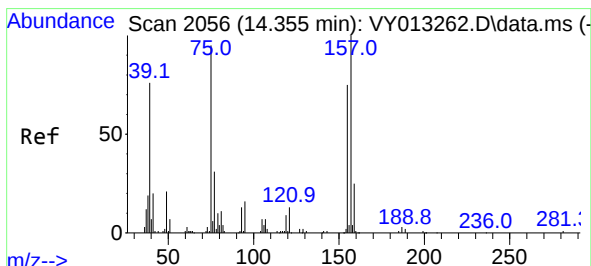
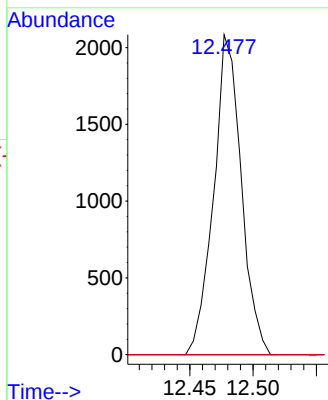
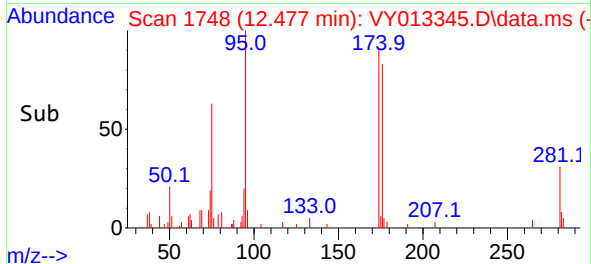


#81
trans-1,4-Dichloro-2-butene
Concen: 87.996 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

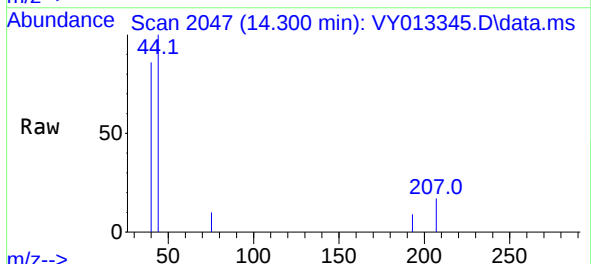
Instrument :
MSVOA_Y
ClientSampleId :



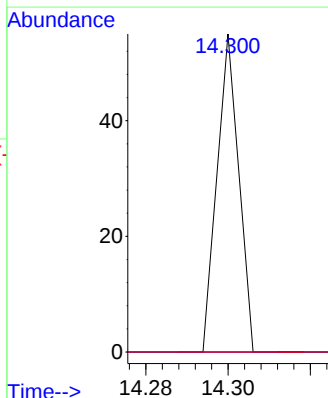
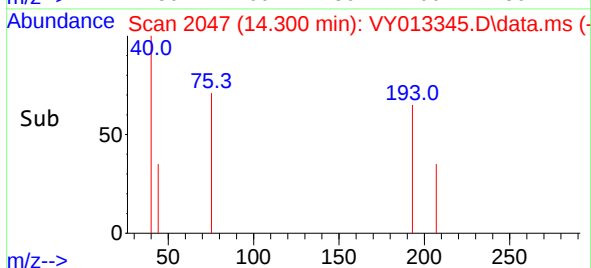
Tgt Ion: 75 Resp: 3154
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

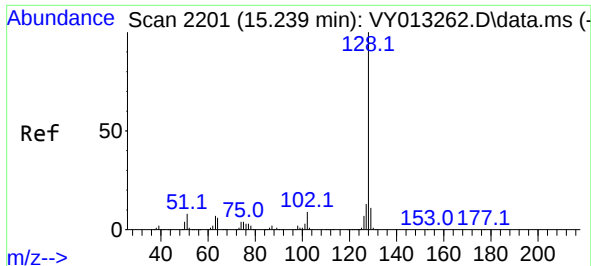


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.089 ug/l
RT: 14.300 min Scan# 2047
Delta R.T. -0.055 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08



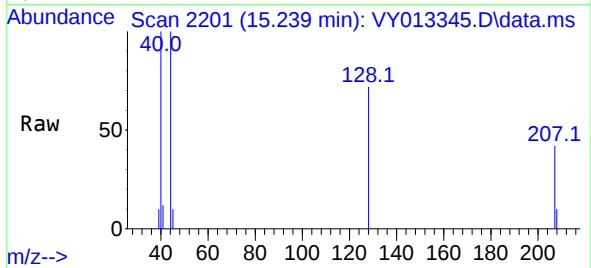
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.4#
157 0.0 54.1 162.3#





#95
Naphthalene
Concen: 4.906 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013345.D
Acq: 19 Apr 2023 15:08

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 476
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.9 8.6 13.0#

