

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013554.D
 Acq On : 02 May 2023 14:13
 Operator : KP/MD
 Sample : 02572-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2343

Quant Time: May 03 01:33:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

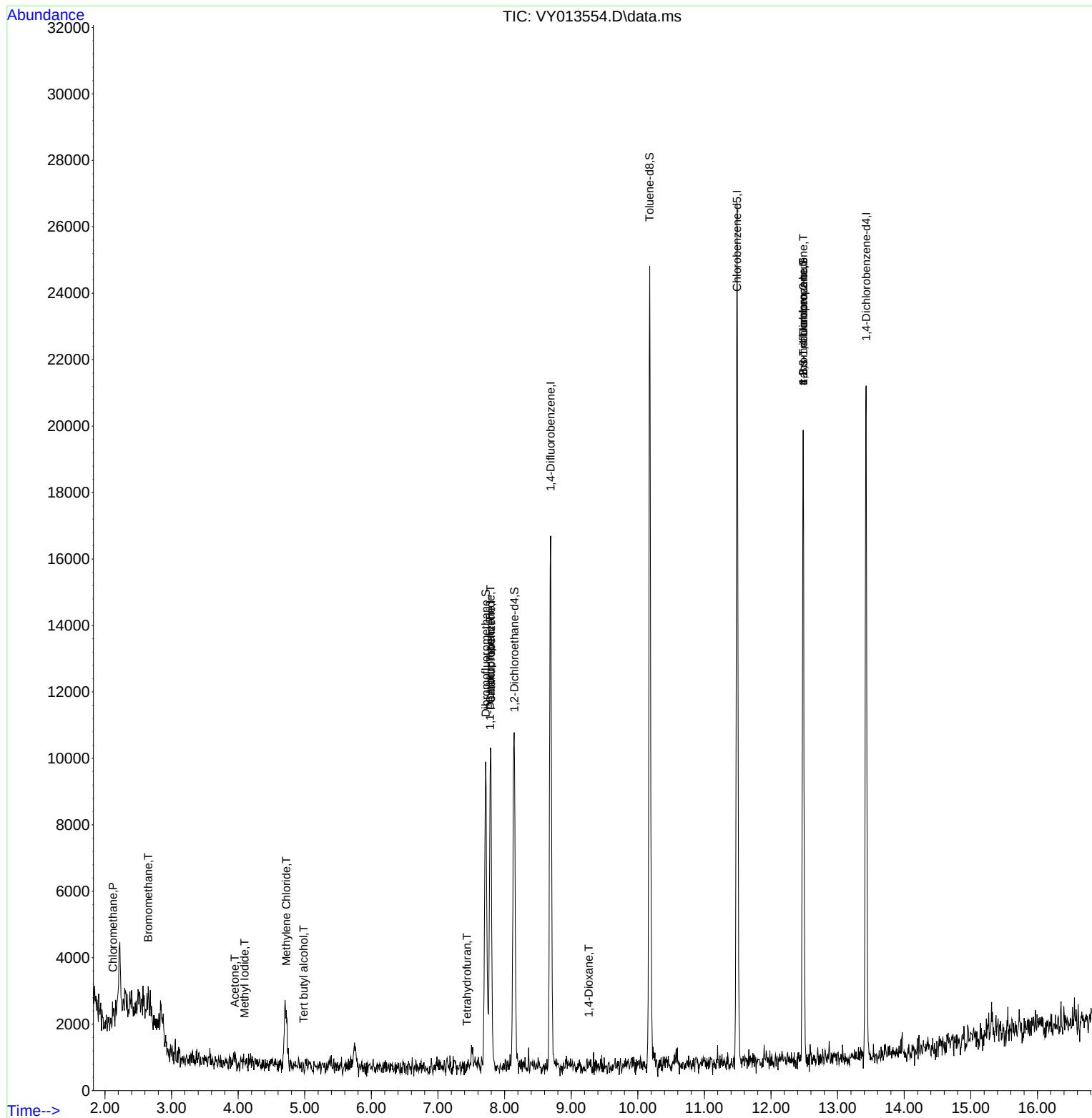
Internal Standards						
1) Pentafluorobenzene	7.795	168	7356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	13779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8673	107.555	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 215.100%#	
35) Dibromofluoromethane	7.716	113	6190	73.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 146.740%	
50) Toluene-d8	10.179	98	16038	53.437	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.880%	
62) 4-Bromofluorobenzene	12.483	95	5426	53.626	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.260%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	229	2.443	ug/l	90
5) Bromomethane	2.650	94	132	1.775	ug/l	96
10) Methyl Iodide	4.095	142	235	2.359	ug/l #	39
11) Tert butyl alcohol	4.985	59	46	5.701	ug/l #	89
16) Acetone	3.948	43	339	10.675	ug/l #	43
20) Methylene Chloride	4.722	84	1363	6.694	ug/l #	84
29) Tetrahydrofuran	7.435	42	53	2.114	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	642	4.585	ug/l #	40
38) Carbon Tetrachloride	7.789	117	785	5.349	ug/l #	11
49) 1,4-Dioxane	9.264	88	22	24.964	ug/l #	25
76) 1,2,3-Trichloropropane	12.483	75	2509	33.045	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2509	67.595	ug/l #	14

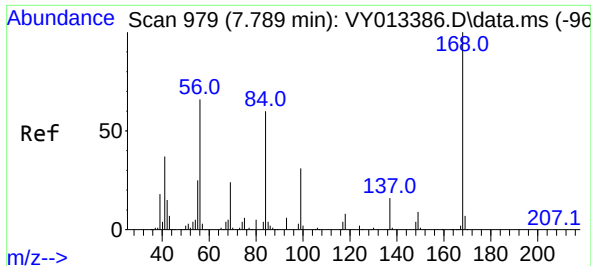
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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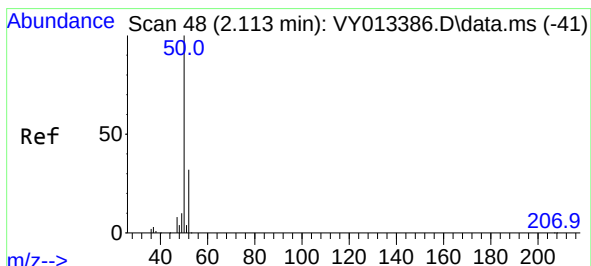
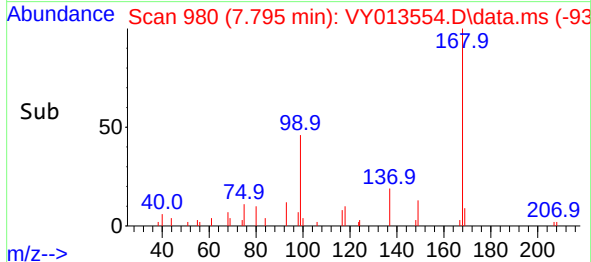
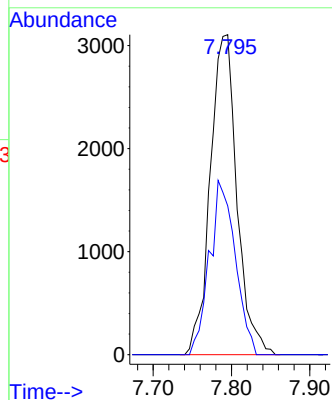
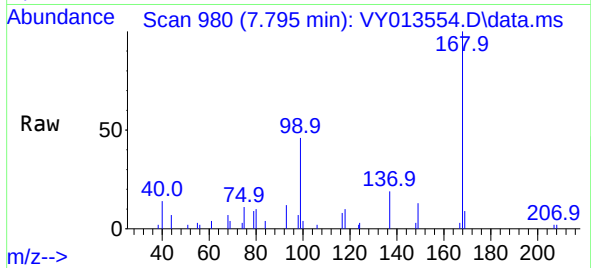




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

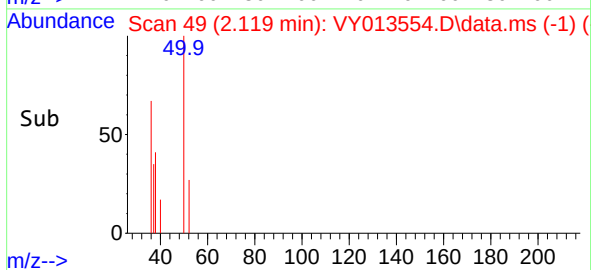
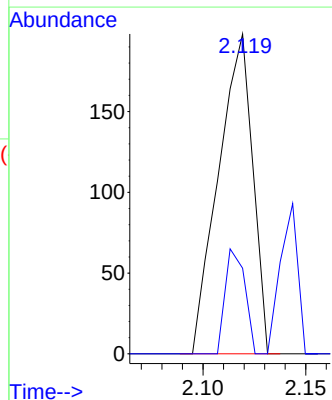
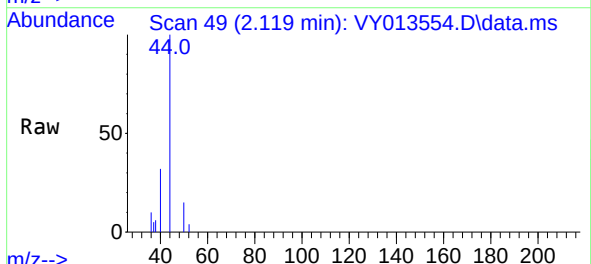
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

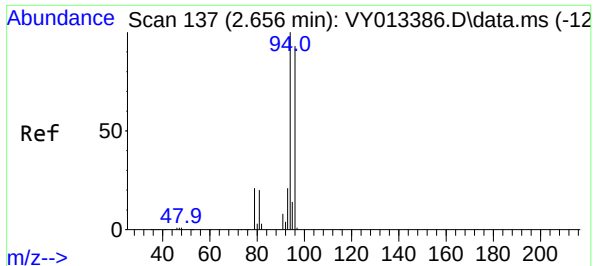
Tgt Ion:168 Resp: 7356
Ion Ratio Lower Upper
168 100
99 46.5 41.8 62.6



#3
Chloromethane
Concen: 2.443 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 26.8 25.9 38.9

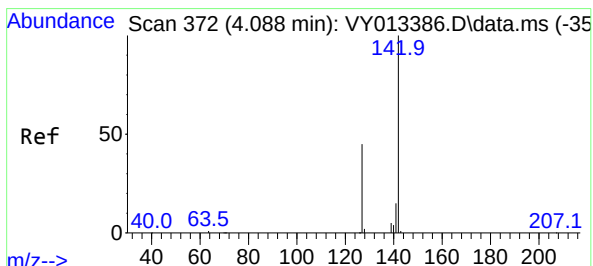
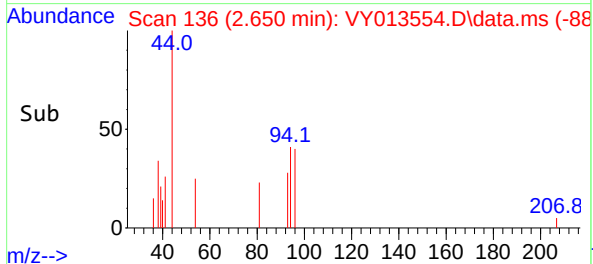
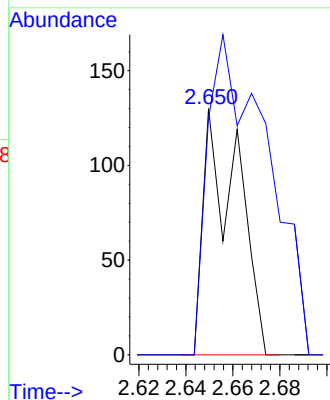
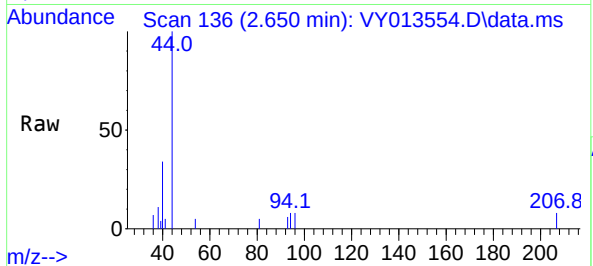




#5
Bromomethane
Concen: 1.775 ug/l
RT: 2.650 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

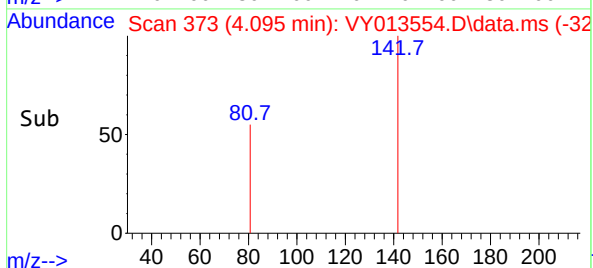
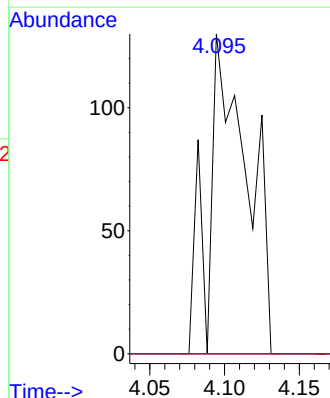
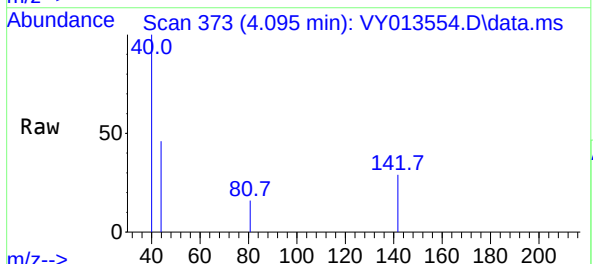
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

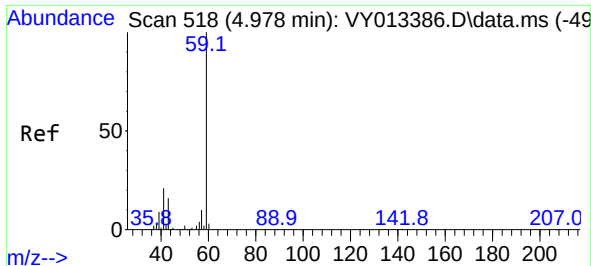
Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 96.2 74.2 111.2



#10
Methyl Iodide
Concen: 2.359 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion: 142 Resp: 235
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

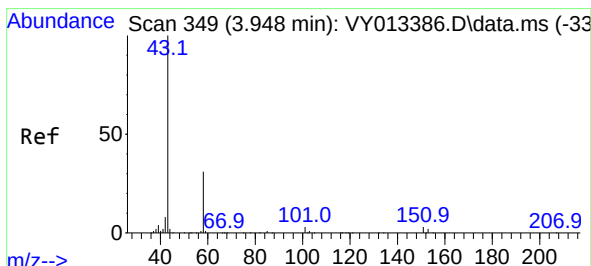
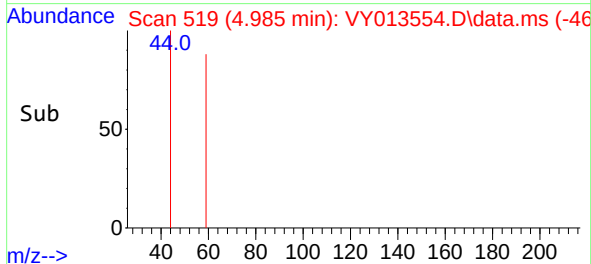
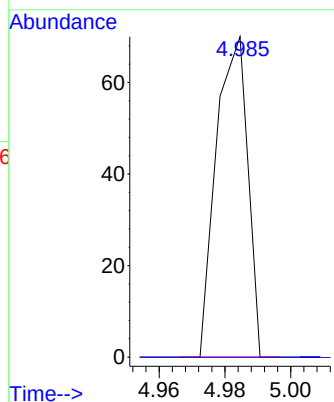
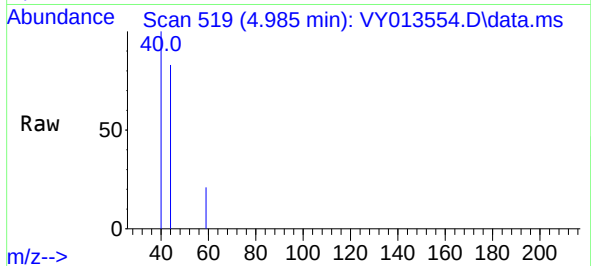




#11
Tert butyl alcohol
Concen: 5.701 ug/l
RT: 4.985 min Scan# 518
Delta R.T. 0.007 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

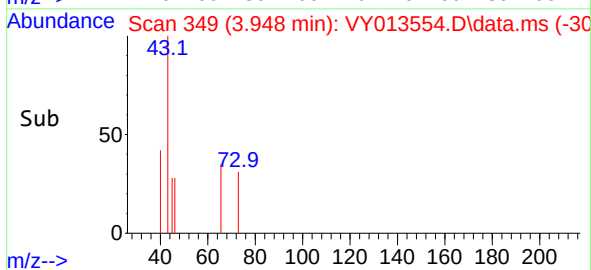
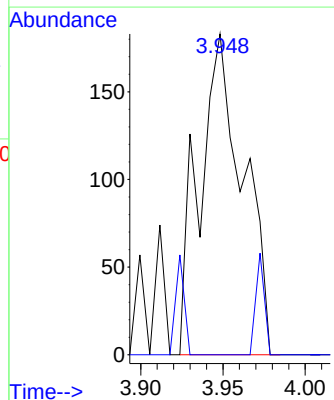
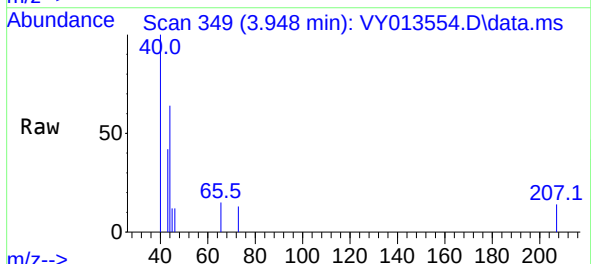
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

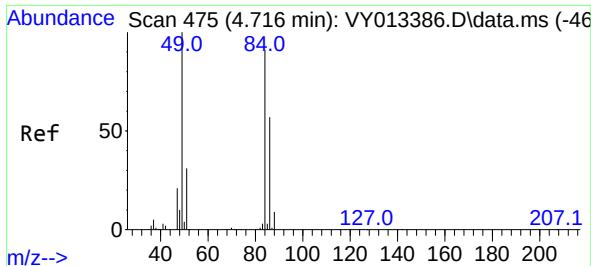
Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 10.675 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

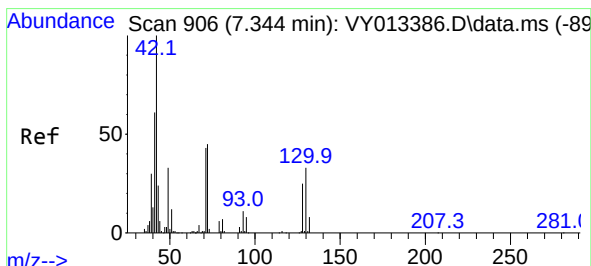
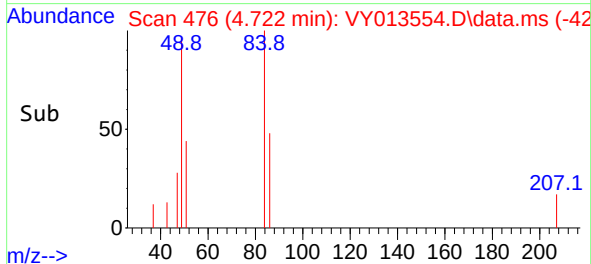
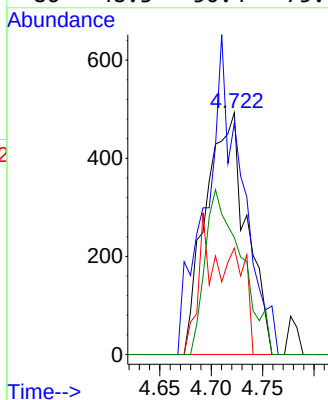
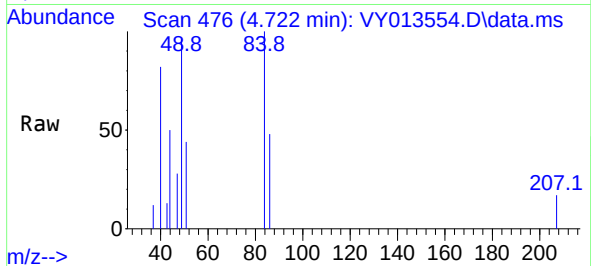




#20
Methylene Chloride
Concen: 6.694 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

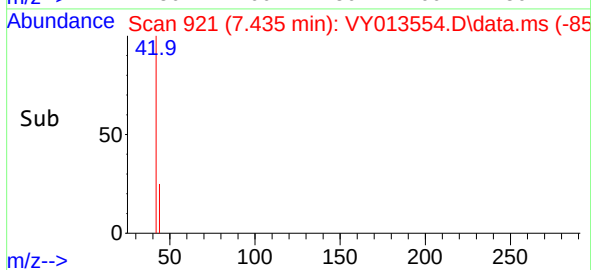
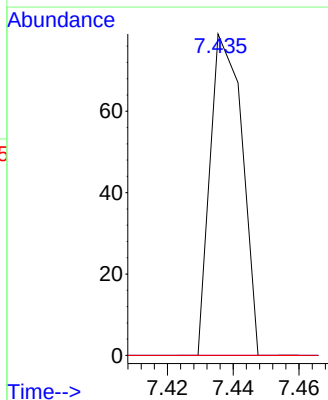
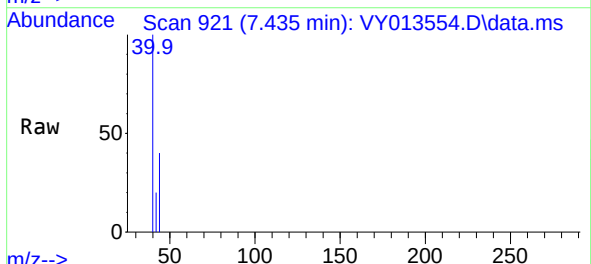
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

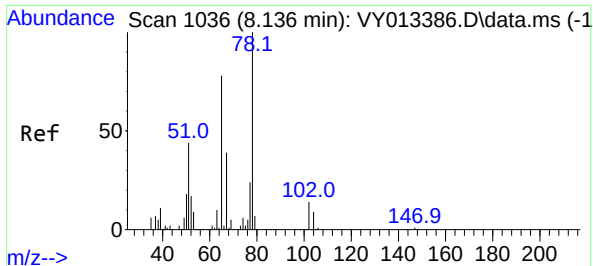
Tgt Ion:	84	Resp:	1363
Ion	Ratio	Lower	Upper
84	100		
49	95.7	88.0	132.0
51	44.0	27.4	41.0#
86	48.3	50.4	75.6#



#29
Tetrahydrofuran
Concen: 2.114 ug/l
RT: 7.435 min Scan# 921
Delta R.T. 0.091 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion:	42	Resp:	53
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.3	51.5#





#33

1,2-Dichloroethane-d4

Concen: 107.555 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.013 min

Lab File: VY013554.D

Acq: 02 May 2023 14:13

Instrument :

MSVOA_Y

ClientSampleId :

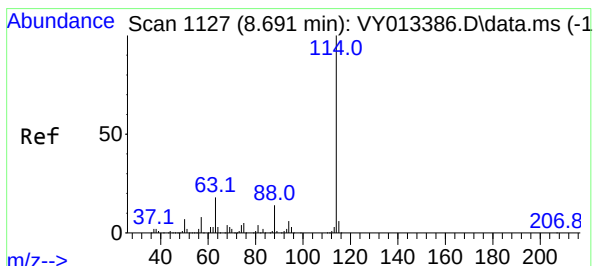
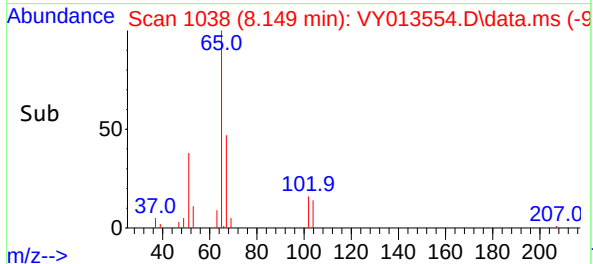
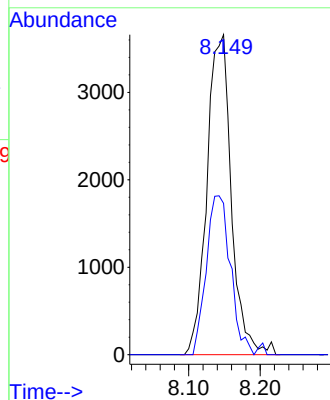
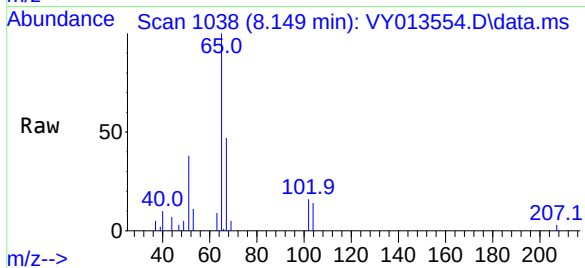
RT2343

Tgt Ion: 65 Resp: 8673

Ion Ratio Lower Upper

65 100

67 49.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013554.D

Acq: 02 May 2023 14:13

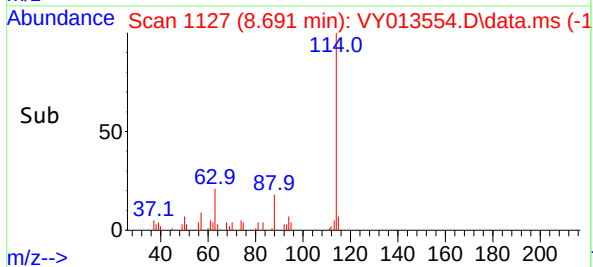
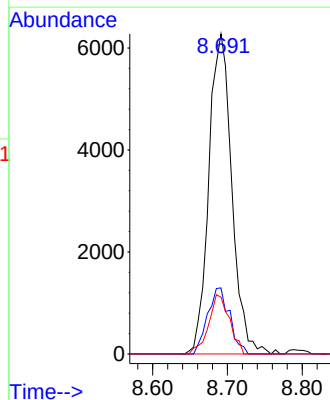
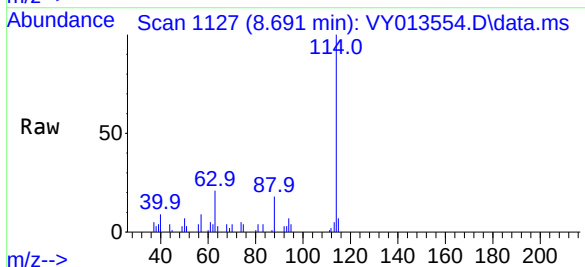
Tgt Ion: 114 Resp: 13414

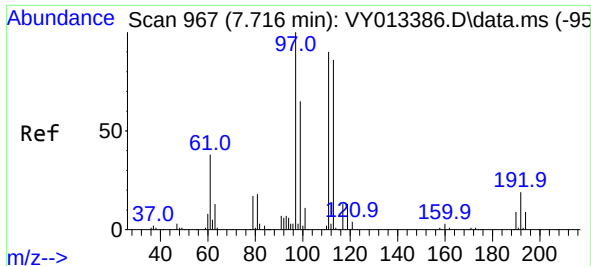
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.6

88 17.8 0.0 28.8

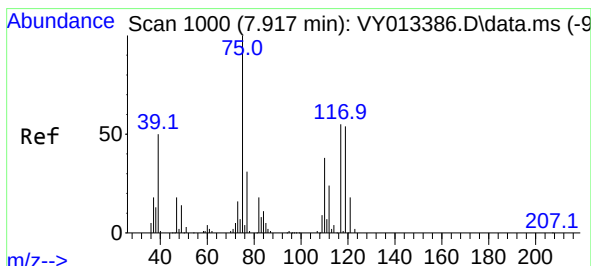
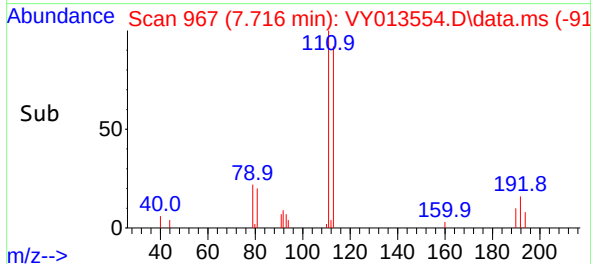
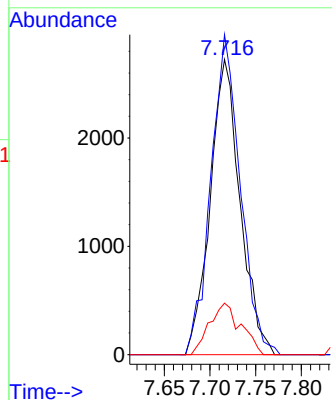
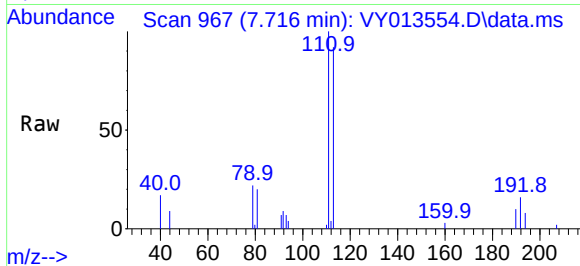




#35
Dibromofluoromethane
Concen: 73.369 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

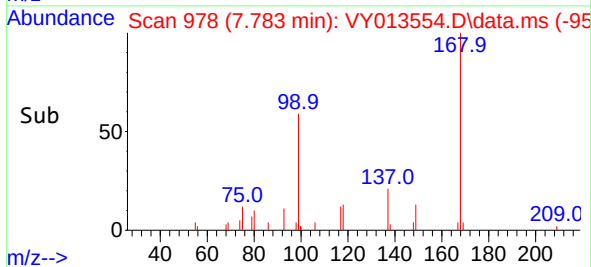
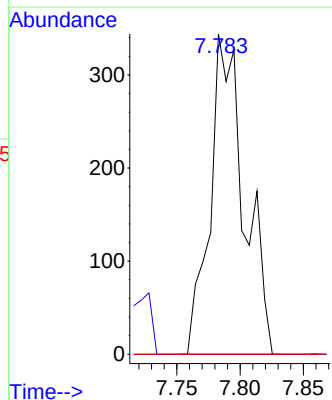
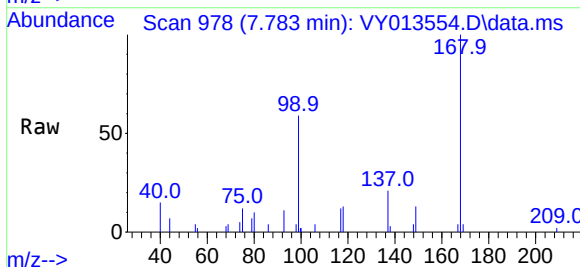
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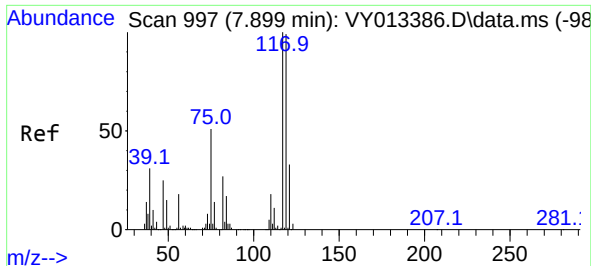
Tgt Ion:	113	Resp:	6190
Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.2	123.2
192	18.4	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.585 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion:	75	Resp:	642
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.7	56.1#
77	0.0	24.6	37.0#

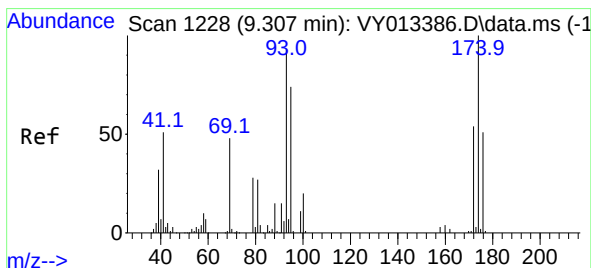
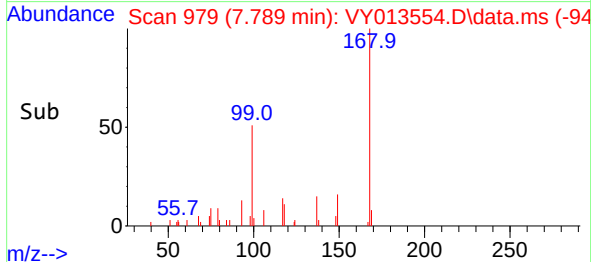
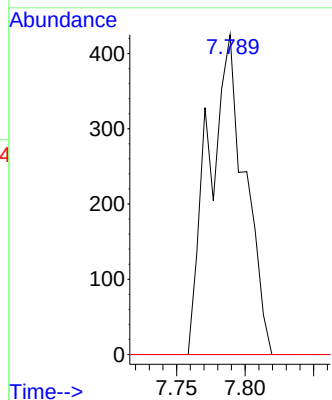
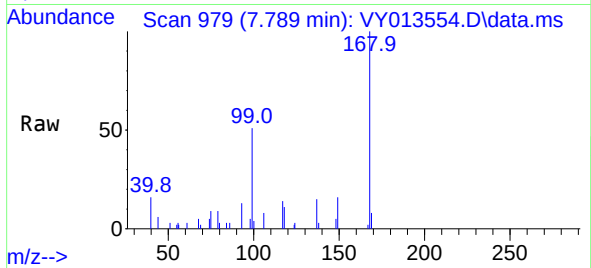




#38
Carbon Tetrachloride
Concen: 5.349 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

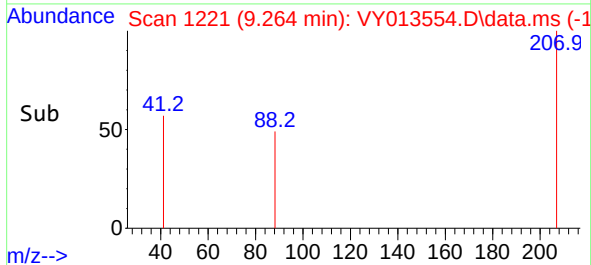
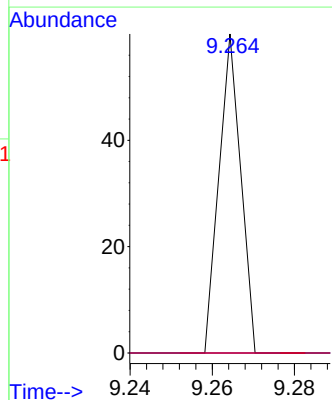
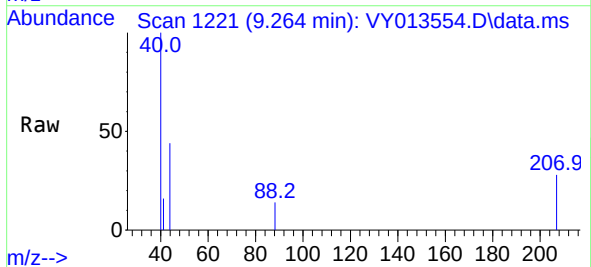
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

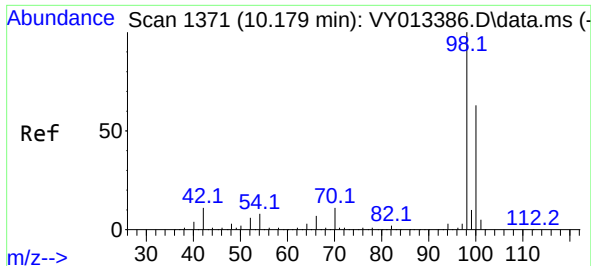
Tgt Ion:117 Resp: 785
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 24.964 ug/l
RT: 9.264 min Scan# 1221
Delta R.T. -0.043 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 0.0 54.3 81.5#

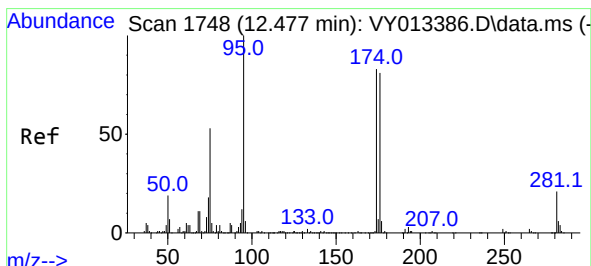
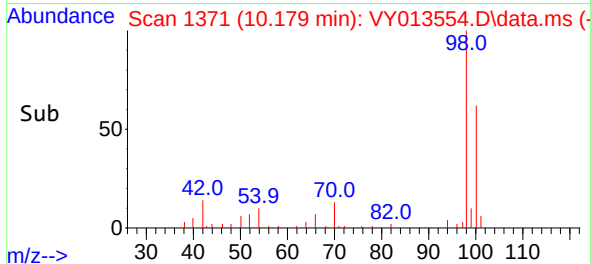
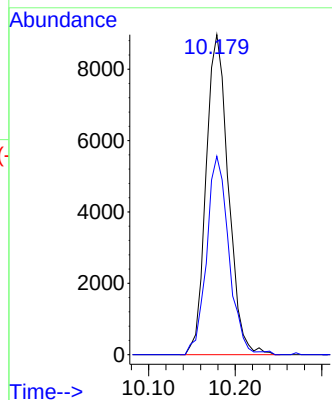
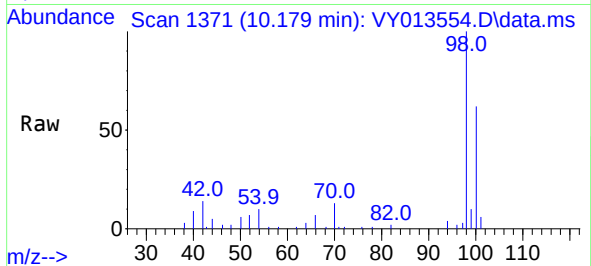




#50
Toluene-d8
Concen: 53.437 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

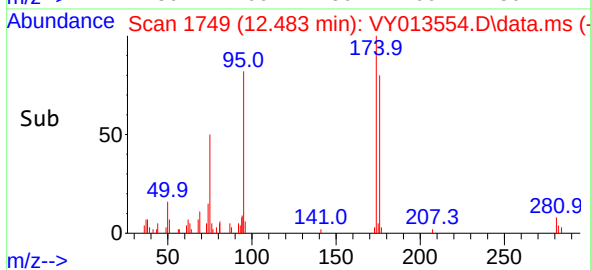
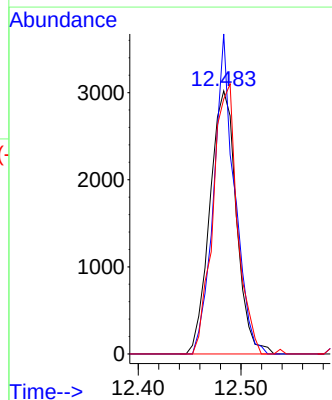
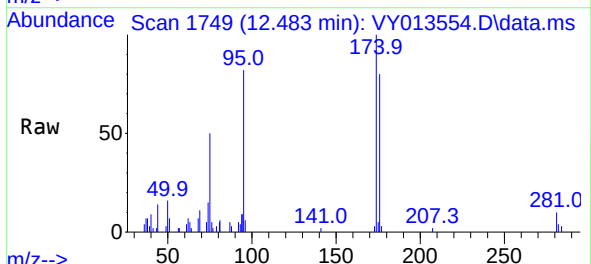
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

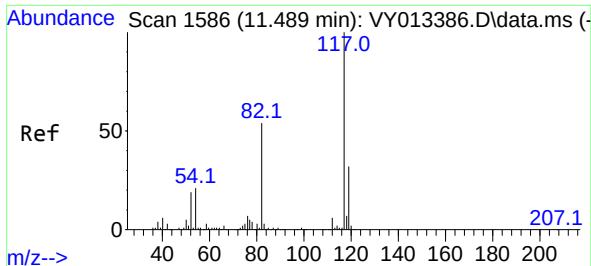
Tgt Ion: 98 Resp: 16038
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.626 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion: 95 Resp: 5426
Ion Ratio Lower Upper
95 100
174 95.3 0.0 182.0
176 94.0 0.0 175.4

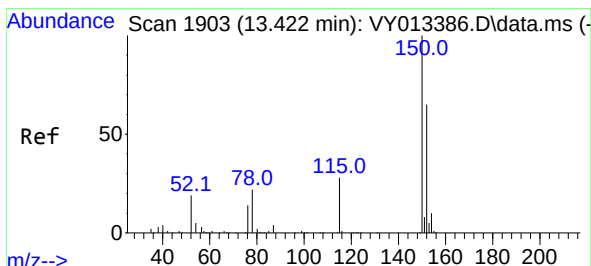
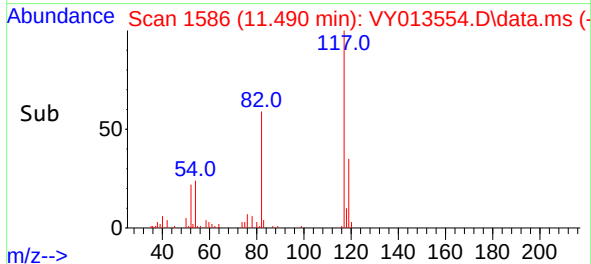
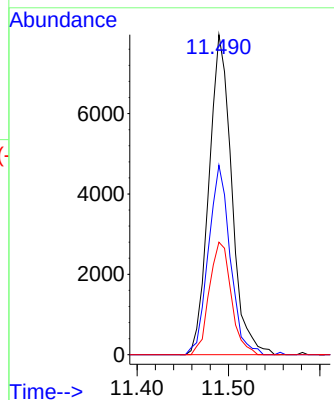
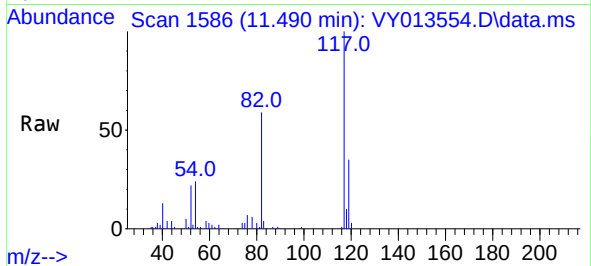




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

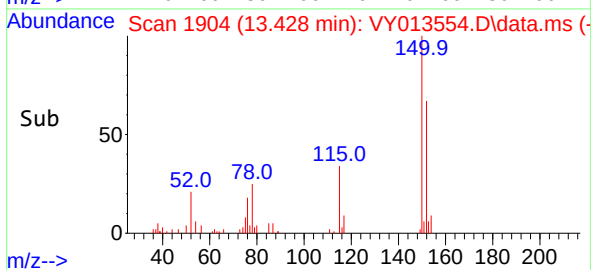
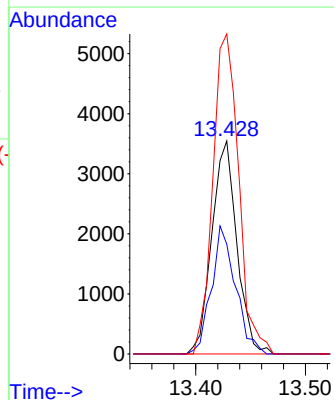
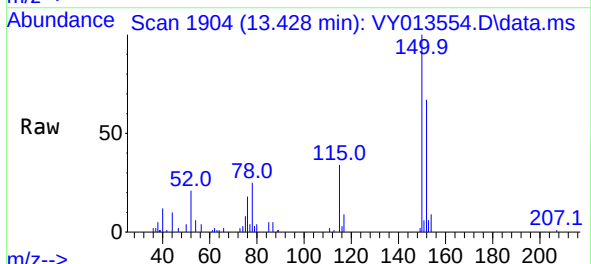
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

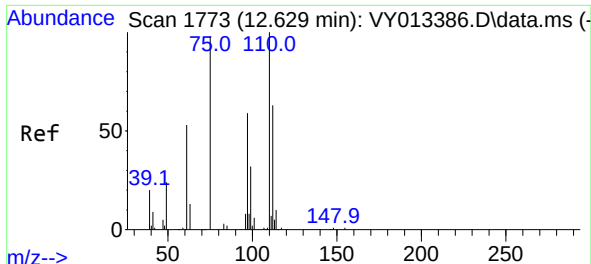
Tgt Ion:	117	Resp:	13779
Ion	Ratio	Lower	Upper
117	100		
82	59.2	43.0	64.6
119	35.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion:	152	Resp:	5630
Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.1	84.2
150	154.9	0.0	352.0

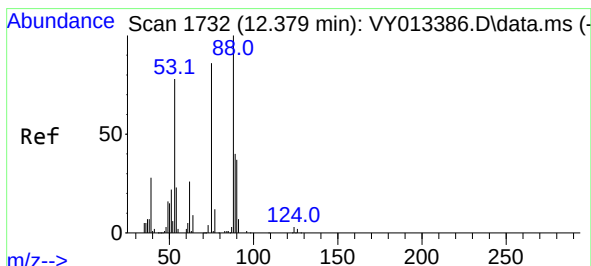
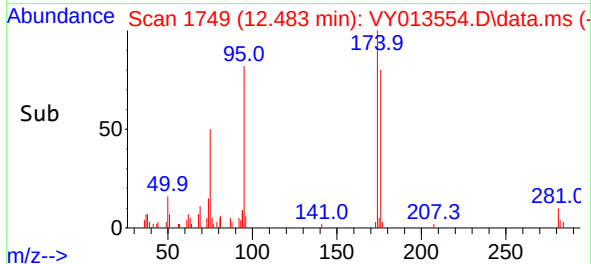
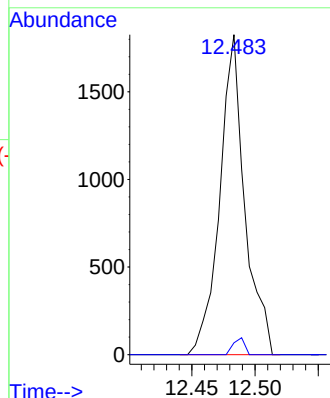
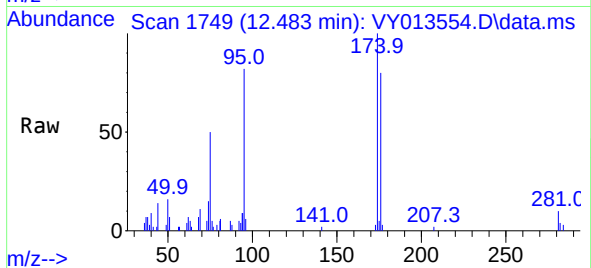




#76
1,2,3-Trichloropropane
Concen: 33.045 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Instrument :
MSVOA_Y
ClientSampleId :
RT2343

Tgt Ion: 75 Resp: 2509
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.595 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013554.D
Acq: 02 May 2023 14:13

Tgt Ion: 75 Resp: 2509
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 2.2 38.0 57.0#

