

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013192.D
 Acq On : 04 Apr 2023 16:18
 Operator : KP/MD
 Sample : 02162-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-033123RE

Quant Time: Apr 05 01:19:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

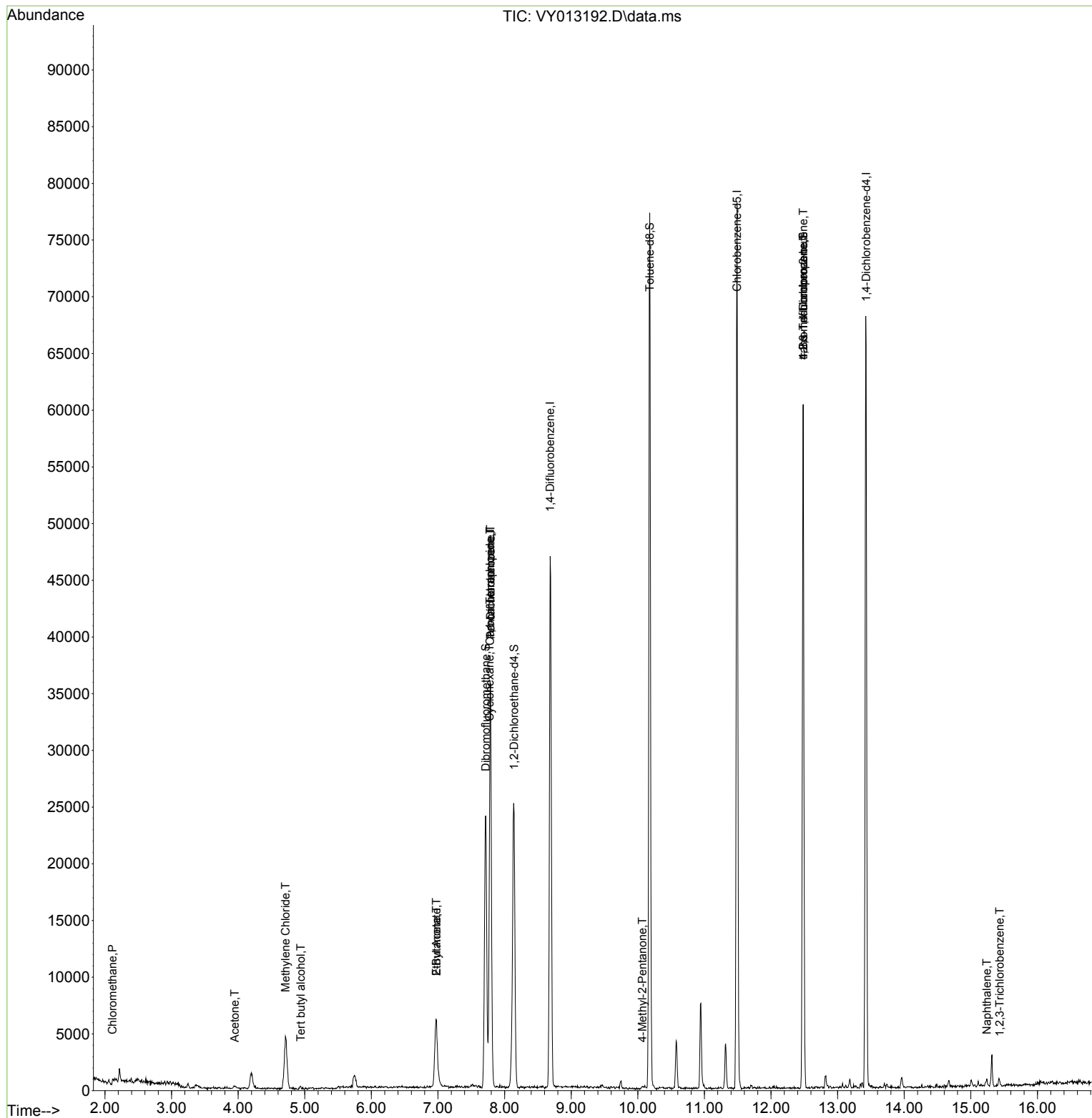
Internal Standards						
1) Pentafluorobenzene	7.789	168	27003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	39066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	19440	66.989	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.980%	
35) Dibromofluoromethane	7.715	113	17133	67.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.260%	
50) Toluene-d8	10.178	98	52569	54.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.120%	
62) 4-Bromofluorobenzene	12.483	95	16333	52.082	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	303	1.098	ug/l #	88
11) Tert butyl alcohol	4.942	59	140	5.353	ug/l #	74
16) Acetone	3.948	43	410	4.620	ug/l #	44
20) Methylene Chloride	4.710	84	3550	6.966	ug/l #	83
25) 2-Butanone	6.978	43	289	2.605	ug/l #	49
31) Cyclohexane	7.776	56	622	1.313	ug/l #	40
36) 1,1-Dichloropropene	7.789	75	2090	5.440	ug/l #	46
37) Ethyl Acetate	6.978	43	289	1.324	ug/l #	69
38) Carbon Tetrachloride	7.782	117	2526	5.959	ug/l #	18
51) 4-Methyl-2-Pentanone	10.069	43	217	1.029	ug/l #	38
76) 1,2,3-Trichloropropane	12.483	75	8144	37.359	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8144	83.315	ug/l #	13
95) Naphthalene	15.238	128	782	4.238	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.434	180	382	1.261	ug/l #	85

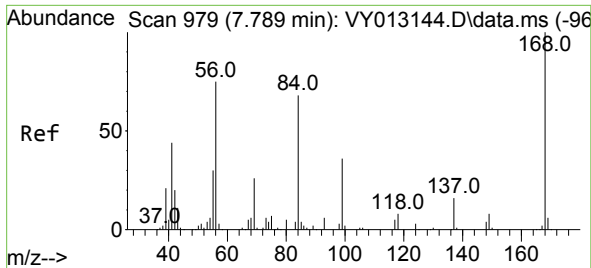
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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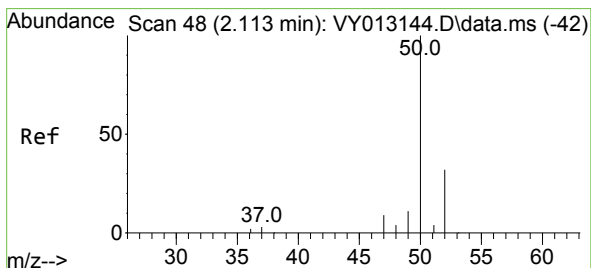
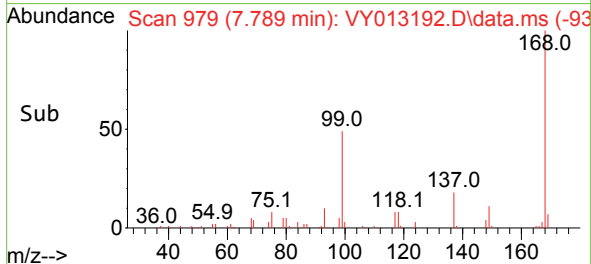
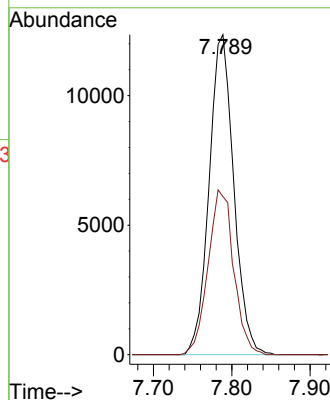
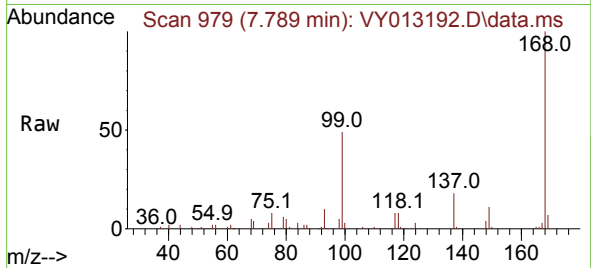




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

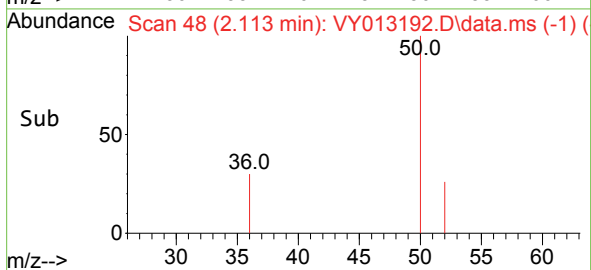
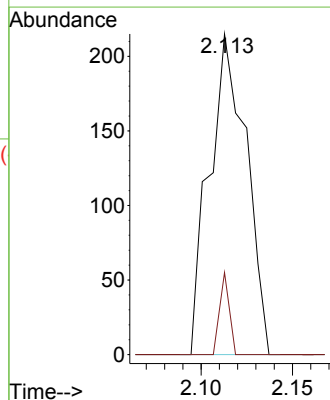
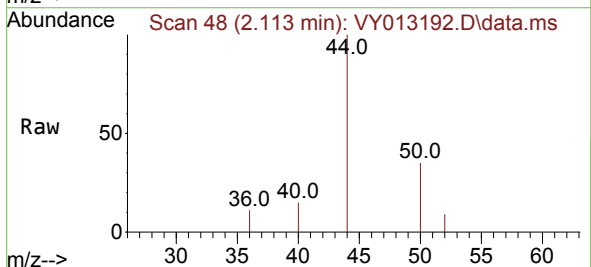
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

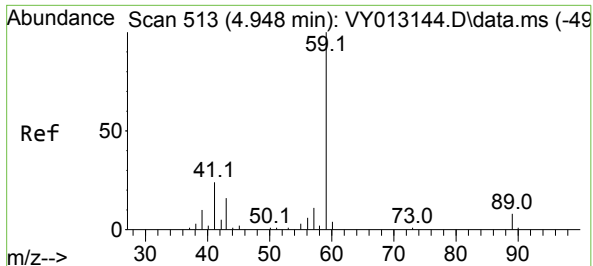
Tgt Ion:168 Resp: 27003
Ion Ratio Lower Upper
168 100
99 49.4 41.7 62.5



#3
Chloromethane
Concen: 1.098 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 50 Resp: 303
Ion Ratio Lower Upper
50 100
52 25.6 26.0 39.0#

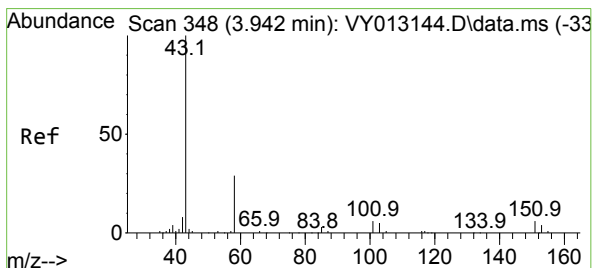
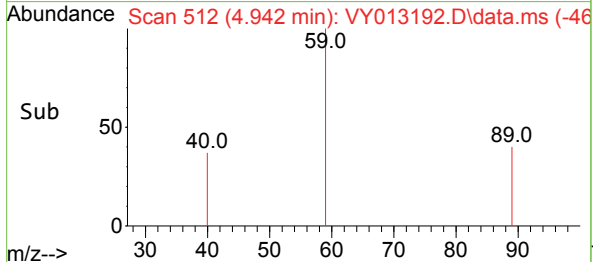
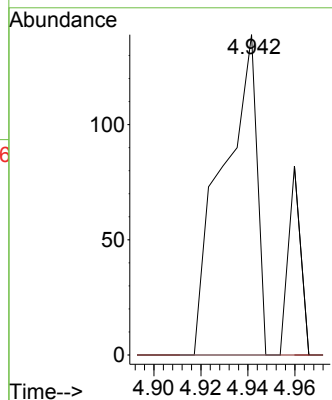
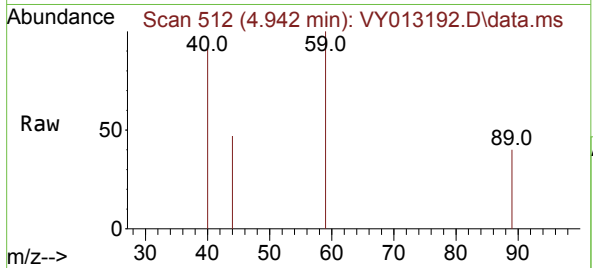




#11
Tert butyl alcohol
Concen: 5.353 ug/l
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

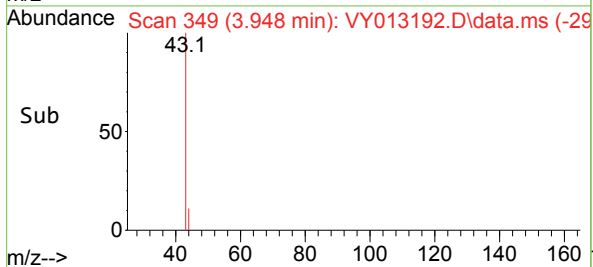
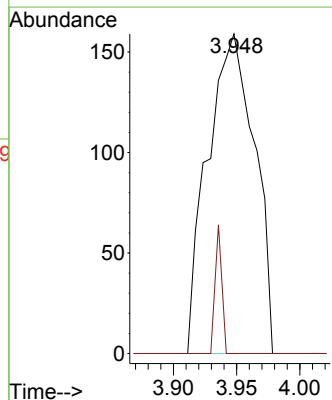
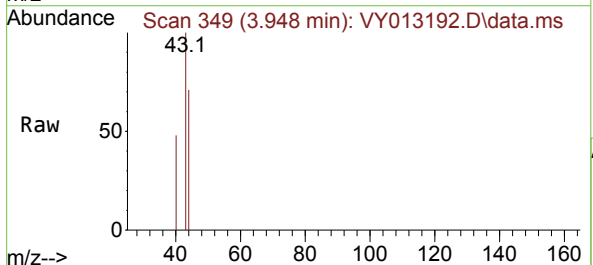
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

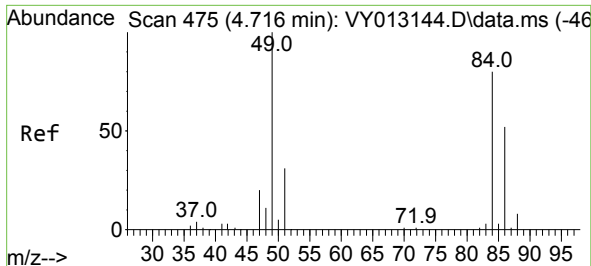
Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 4.620 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





#20

Methylene Chloride

Concen: 6.966 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY013192.D

Acq: 04 Apr 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-033123RE

Tgt Ion: 84 Resp: 3550

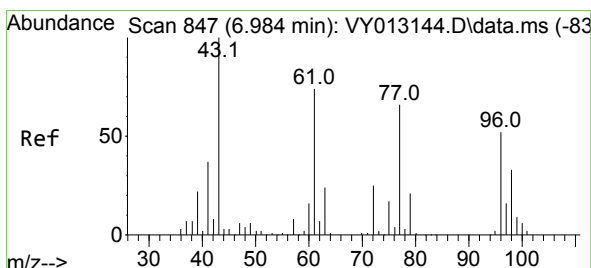
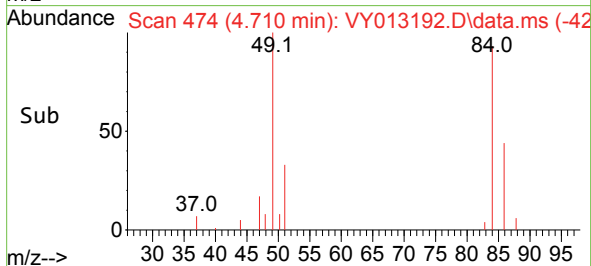
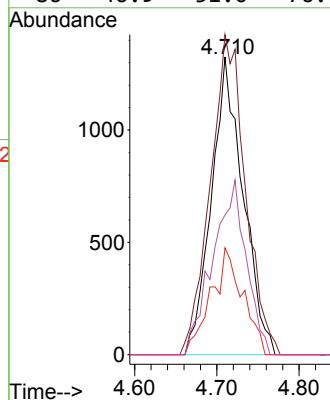
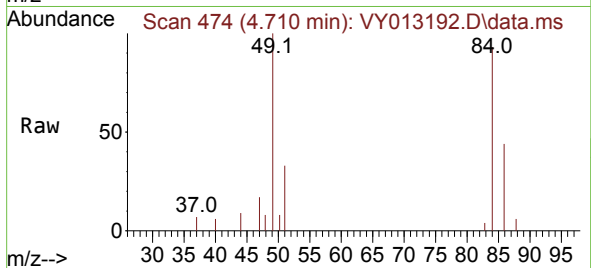
Ion Ratio Lower Upper

84 100

49 107.5 102.6 154.0

51 35.9 31.9 47.9

86 46.9 51.0 76.6#



#25

2-Butanone

Concen: 2.605 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013192.D

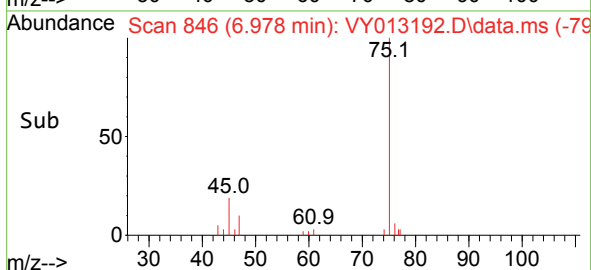
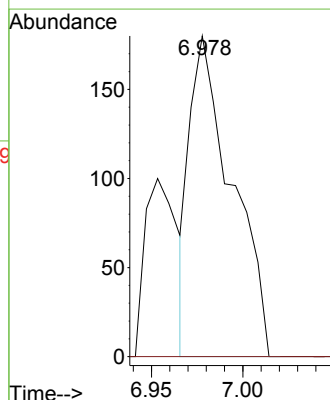
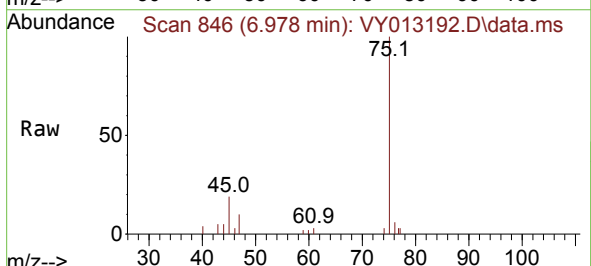
Acq: 04 Apr 2023 16:18

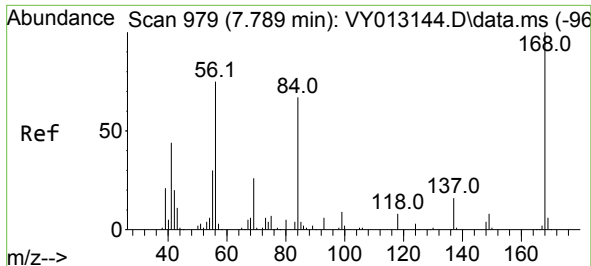
Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

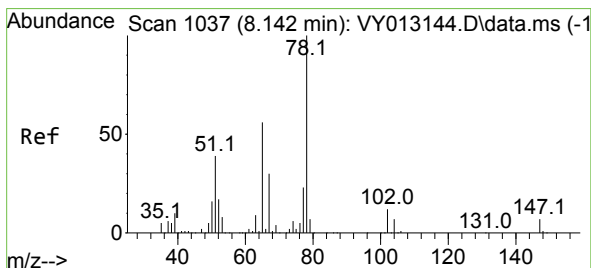
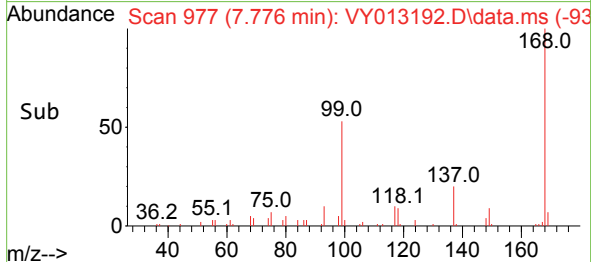
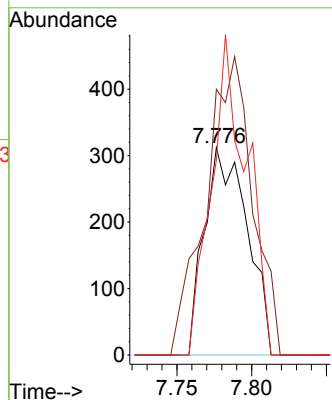
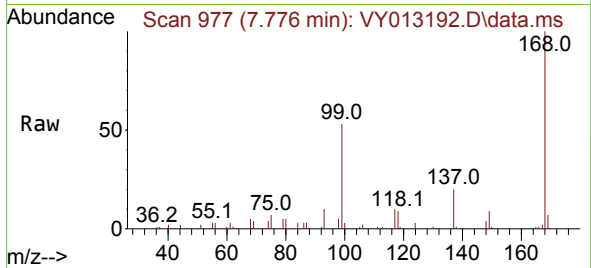




#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.013 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

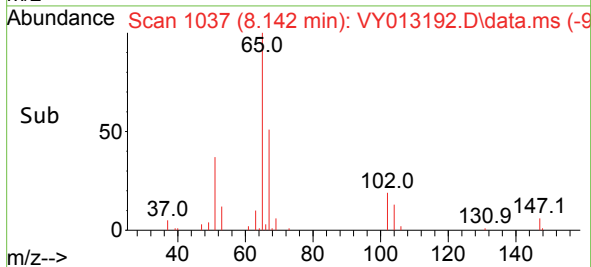
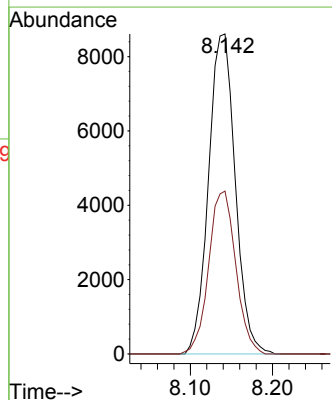
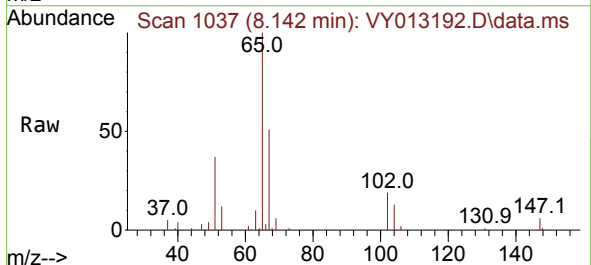
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

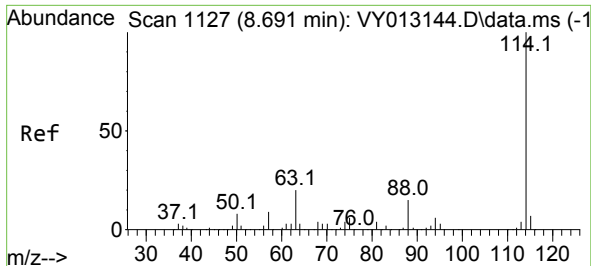
Tgt Ion: 56 Resp: 622
Ion Ratio Lower Upper
56 100
69 128.2 25.7 38.5#
84 93.9 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 66.989 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 65 Resp: 19440
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013192.D

Acq: 04 Apr 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-033123RE

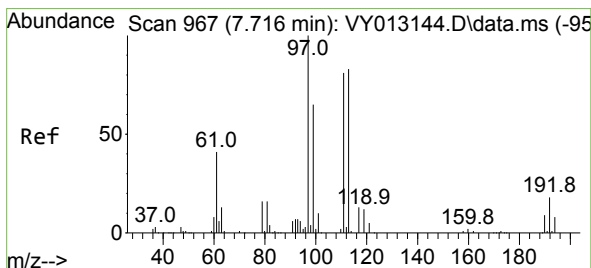
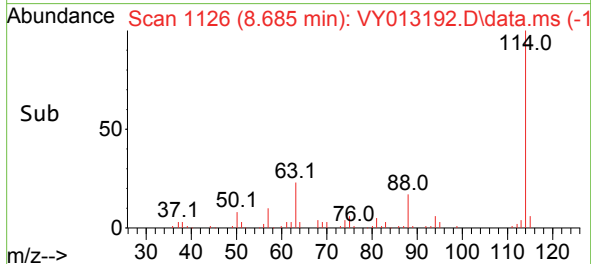
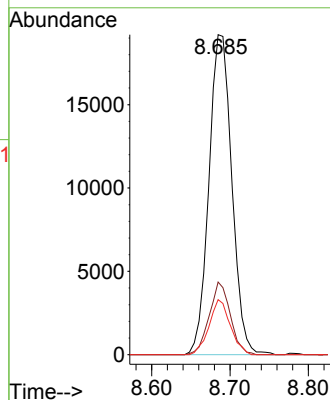
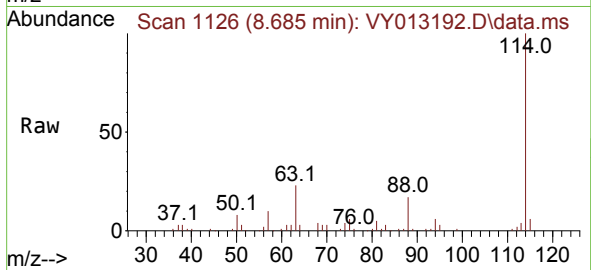
Tgt Ion:114 Resp: 39066

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

88 17.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 67.134 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY013192.D

Acq: 04 Apr 2023 16:18

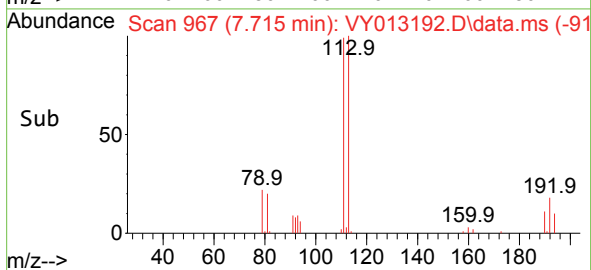
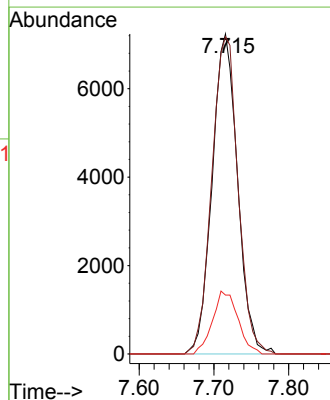
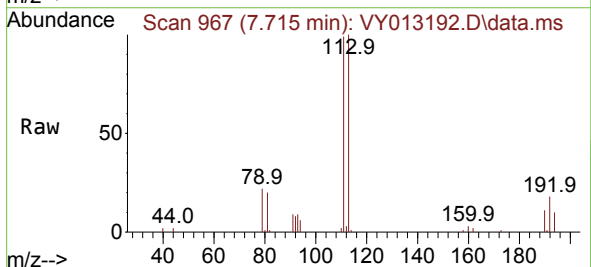
Tgt Ion:113 Resp: 17133

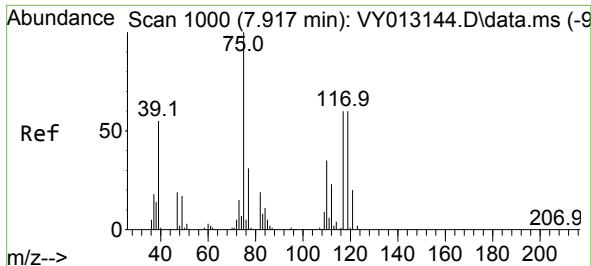
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

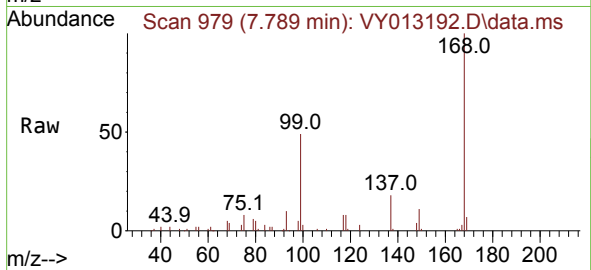
192 19.6 16.8 25.2



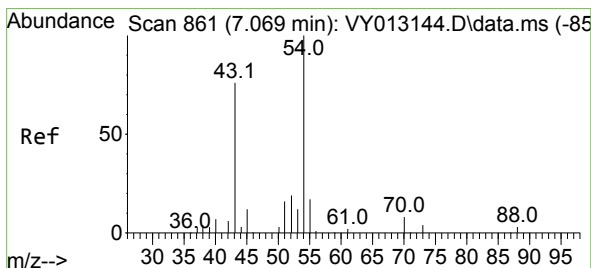
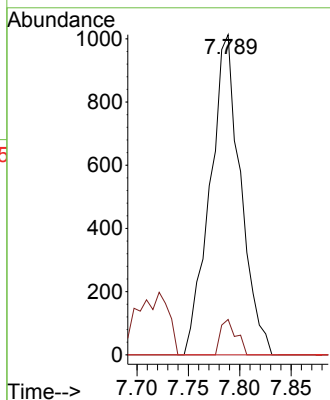
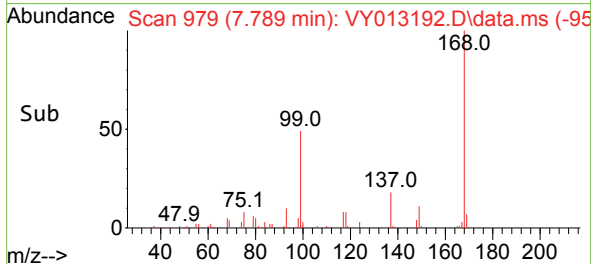


#36
1,1-Dichloropropene
Concen: 5.440 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Instrument :
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ClientSampleId :
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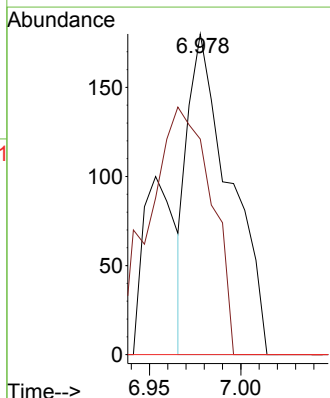
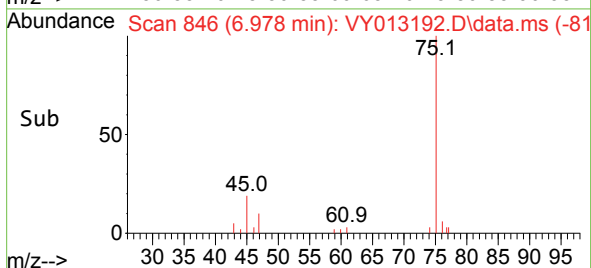
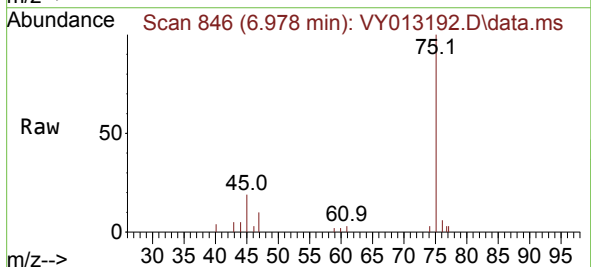


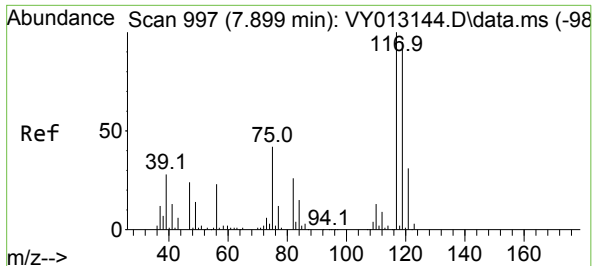
Tgt Ion: 75 Resp: 2090
Ion Ratio Lower Upper
75 100
110 5.7 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.324 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

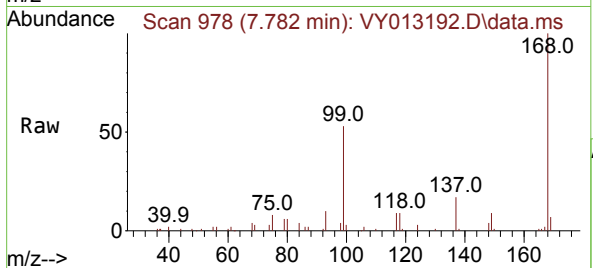
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.8 11.8#



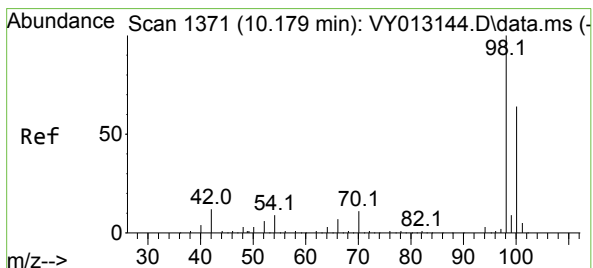
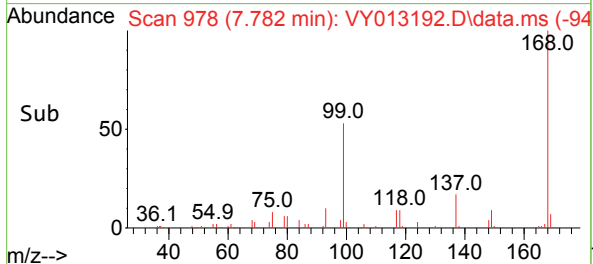
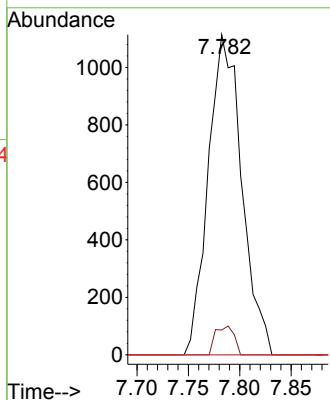


#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

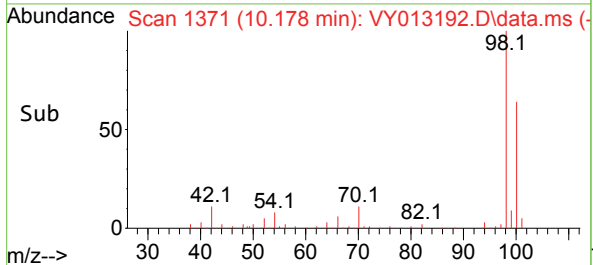
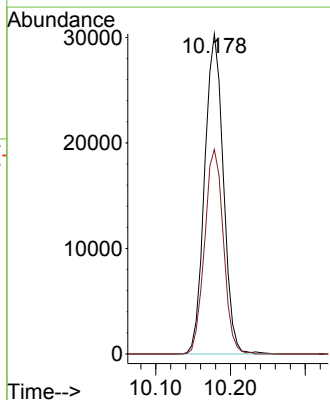
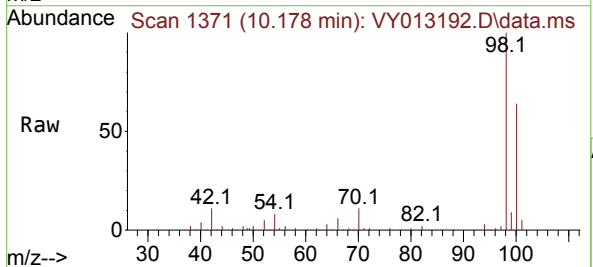


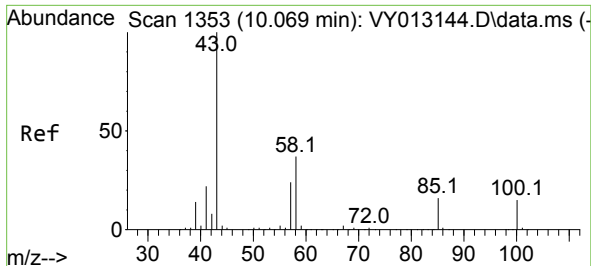
Tgt Ion:117 Resp: 2526
Ion Ratio Lower Upper
117 100
119 7.7 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.564 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 98 Resp: 52569
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

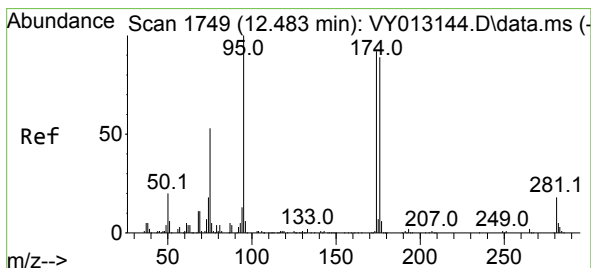
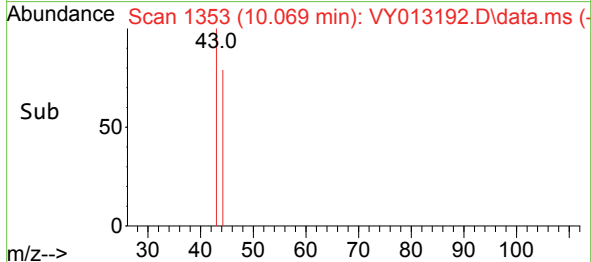
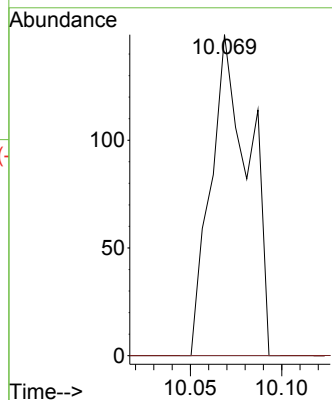
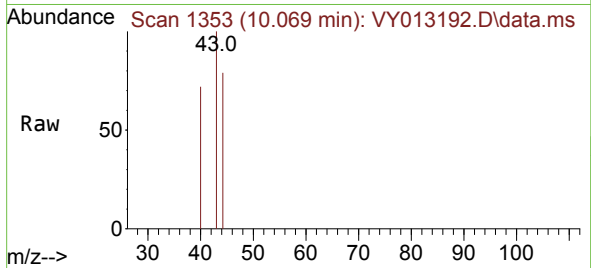




#51
4-Methyl-2-Pentanone
Concen: 1.029 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

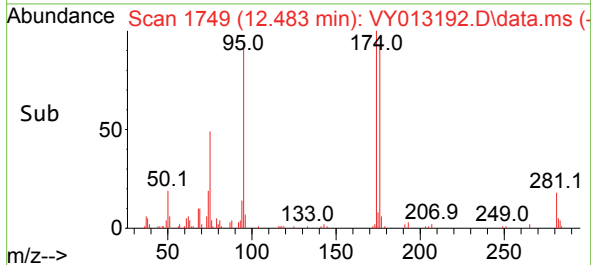
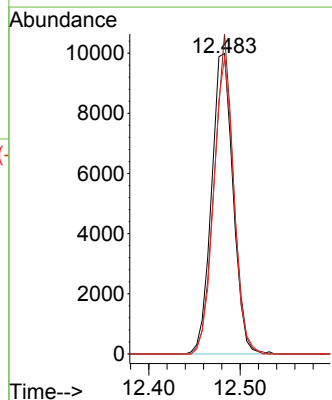
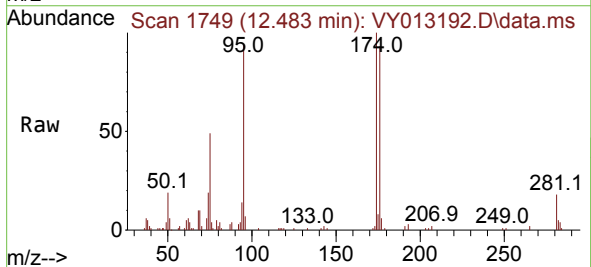
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

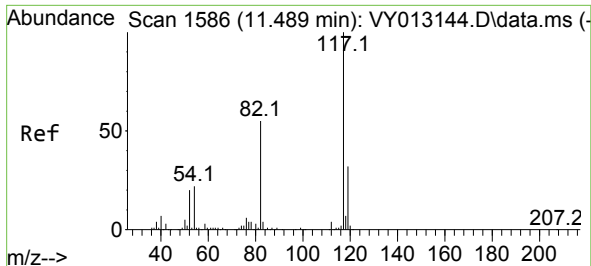
Tgt Ion: 43 Resp: 217
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 52.082 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 95 Resp: 16333
Ion Ratio Lower Upper
95 100
174 96.0 0.0 176.6
176 92.5 0.0 170.2

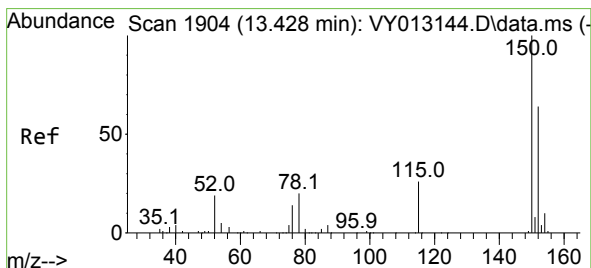
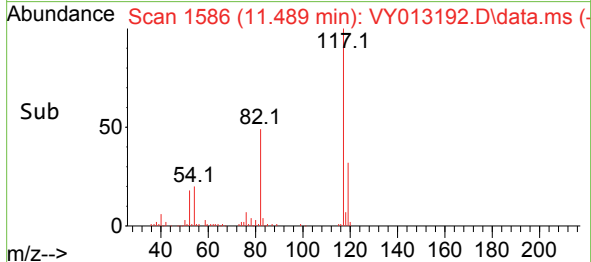
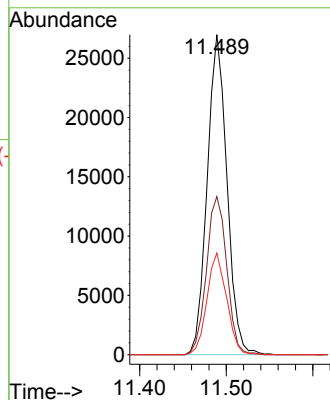
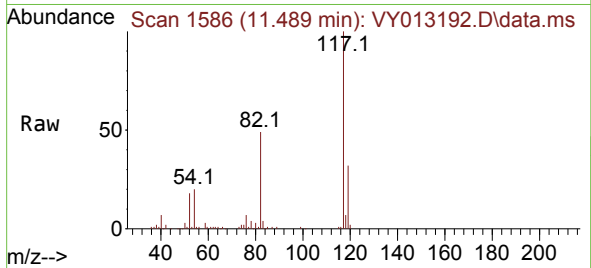




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

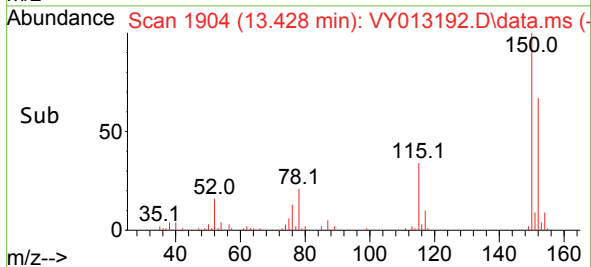
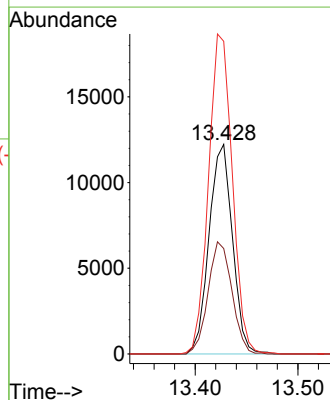
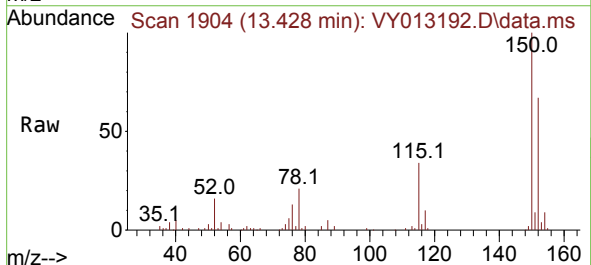
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

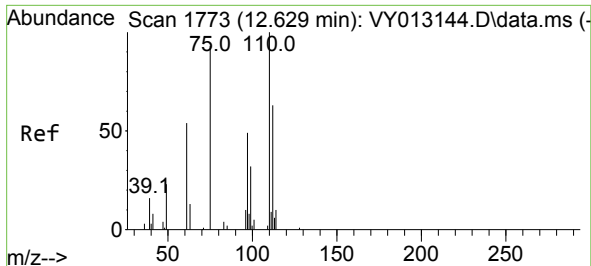
Tgt Ion:	117	Resp:	42763
Ion Ratio	Lower	Upper	
117	100		
82	49.4	45.4	68.0
119	31.8	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion:	152	Resp:	19405
Ion Ratio	Lower	Upper	
152	100		
115	54.4	27.1	81.3
150	155.0	0.0	347.8

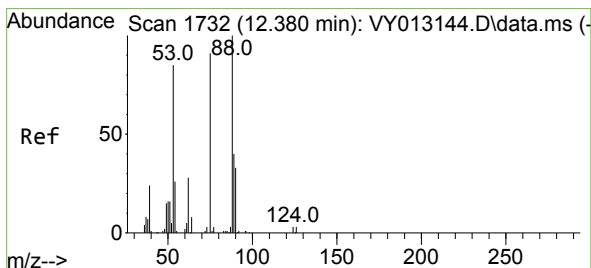
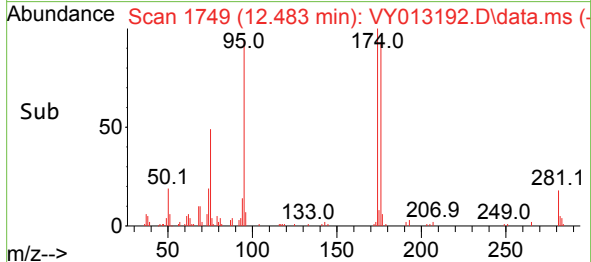
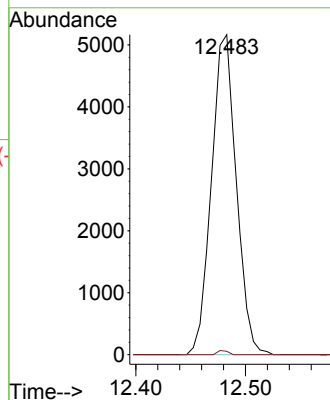
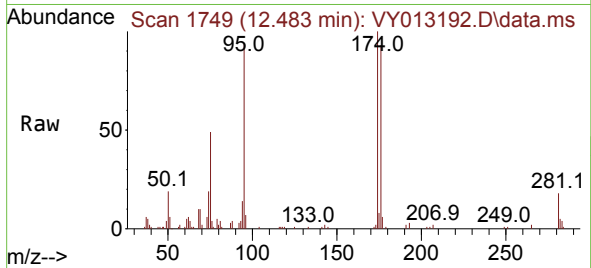




#76
1,2,3-Trichloropropane
Concen: 37.359 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

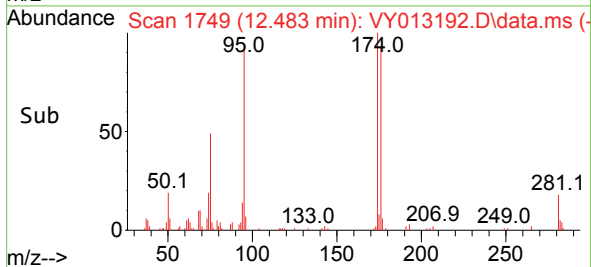
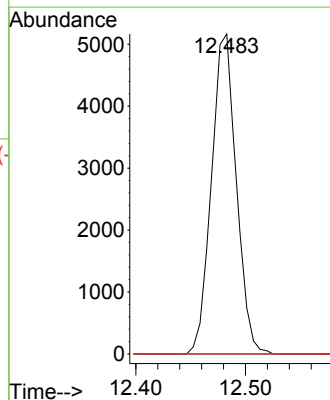
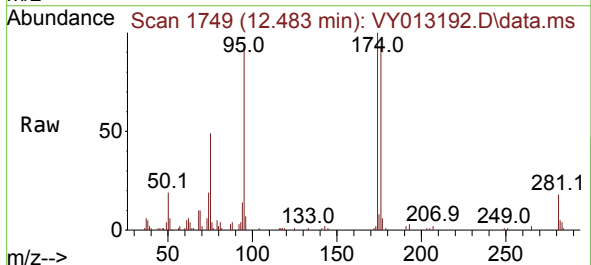
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

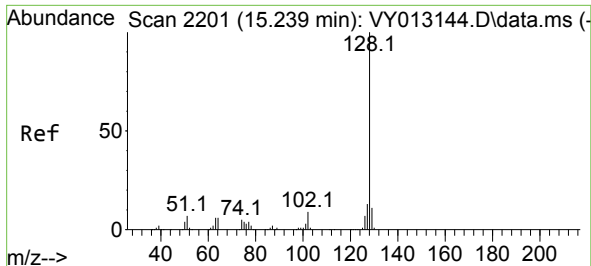
Tgt Ion: 75 Resp: 8144
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.315 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion: 75 Resp: 8144
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

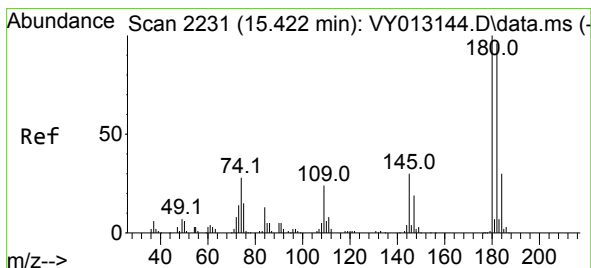
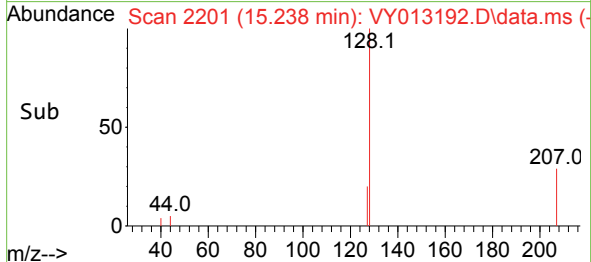
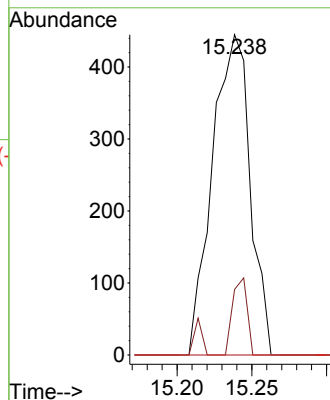
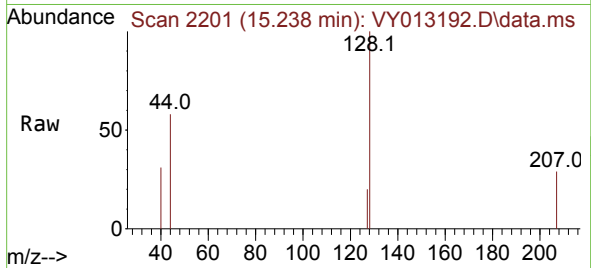




#95
Naphthalene
Concen: 4.238 ug/l
RT: 15.238 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-033123RE

Tgt Ion:128 Resp: 782
Ion Ratio Lower Upper
128 100
127 9.2 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.261 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.012 min
Lab File: VY013192.D
Acq: 04 Apr 2023 16:18

Tgt Ion:180 Resp: 382
Ion Ratio Lower Upper
180 100
182 85.3 47.4 142.3
145 14.4 15.3 45.8#

