

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
 Data File : VY018142.D
 Acq On : 03 May 2024 14:58
 Operator : SY/MD
 Sample : P2355-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 02:58:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

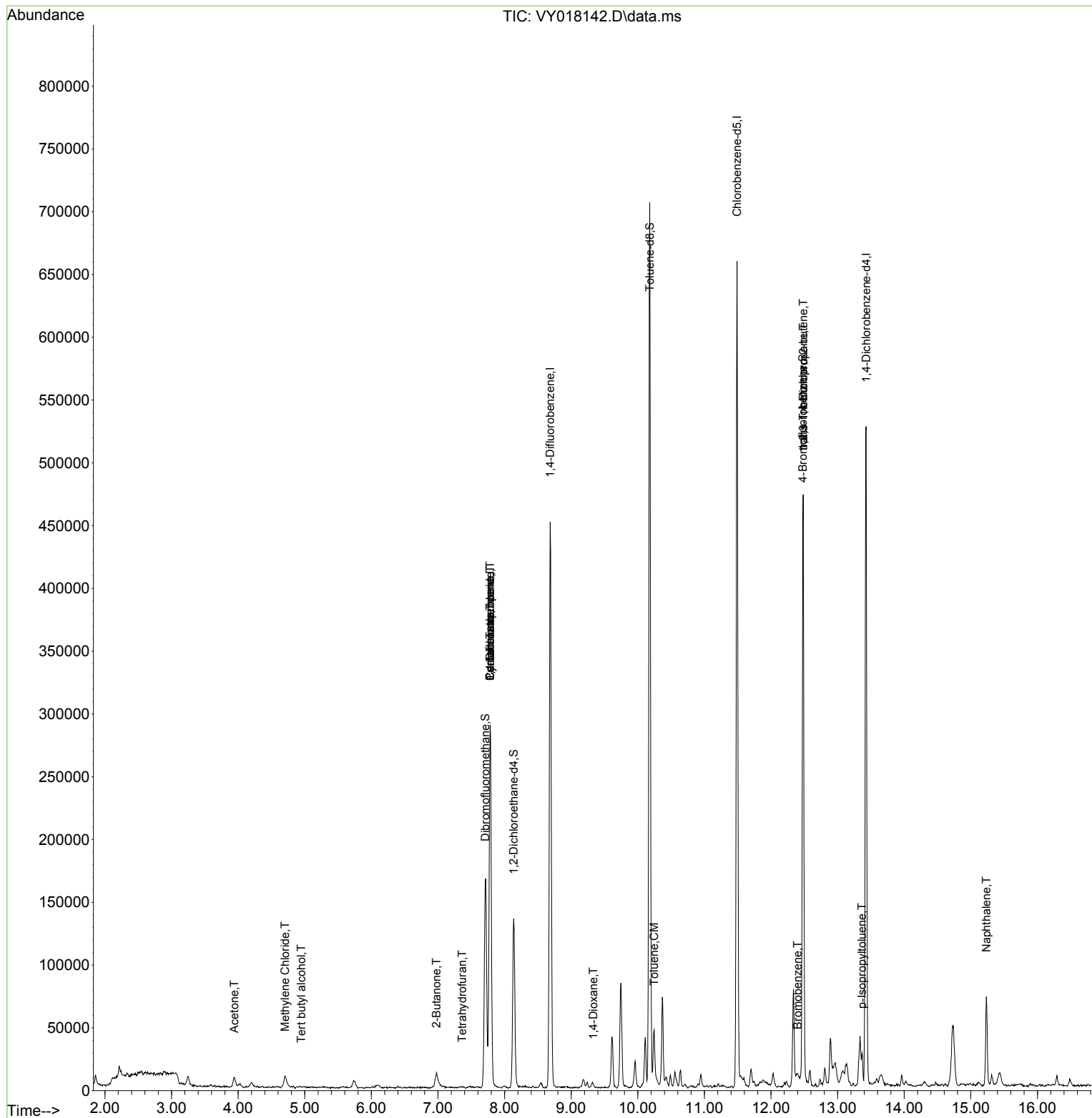
Internal Standards						
1) Pentafluorobenzene	7.783	168	238904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	423583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	367069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97730	51.898	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 103.800%		
35) Dibromofluoromethane	7.710	113	121717	50.003	ug/l	-0.01
Spiked Amount	50.000	Range 54 - 147	Recovery	= 100.000%		
50) Toluene-d8	10.179	98	470785	49.541	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 99.080%		
62) 4-Bromofluorobenzene	12.477	95	144839	44.288	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 88.580%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	464	3.023	ug/l #	1
16) Acetone	3.942	43	12838	35.786	ug/l	96
20) Methylene Chloride	4.704	84	6504	2.587	ug/l #	94
25) 2-Butanone	6.978	43	5650	10.124	ug/l	91
29) Tetrahydrofuran	7.362	42	537	1.514	ug/l #	39
31) Cyclohexane	7.783	56	5492	1.522	ug/l #	15
36) 1,1-Dichloropropene	7.783	75	16311	5.020	ug/l #	49
38) Carbon Tetrachloride	7.783	117	21857	5.926	ug/l #	17
49) 1,4-Dioxane	9.331	88	26	1.692	ug/l #	1
52) Toluene	10.246	92	18715	2.708	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	70326	58.387	ug/l #	100
77) Bromobenzene	12.398	156	5573	2.171	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	70326	106.367	ug/l #	16
86) p-Isopropyltoluene	13.367	119	13289	1.394	ug/l	91
95) Naphthalene	15.233	128	60899	13.835	ug/l	99

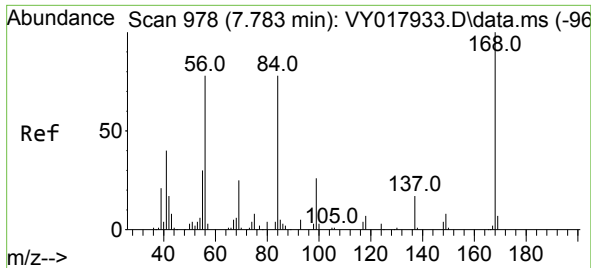
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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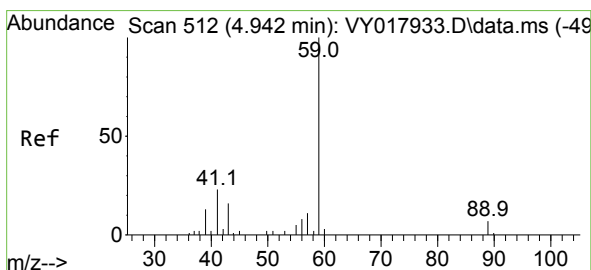
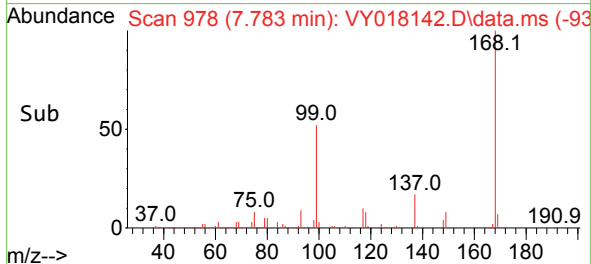
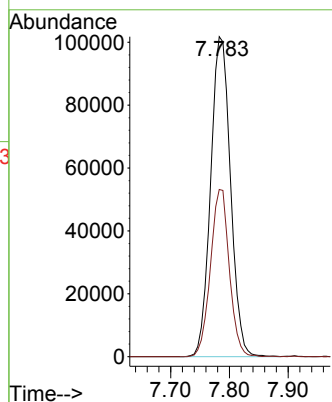
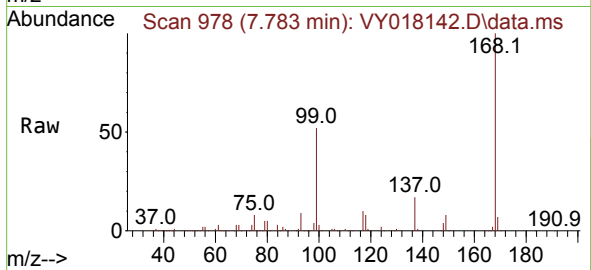




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

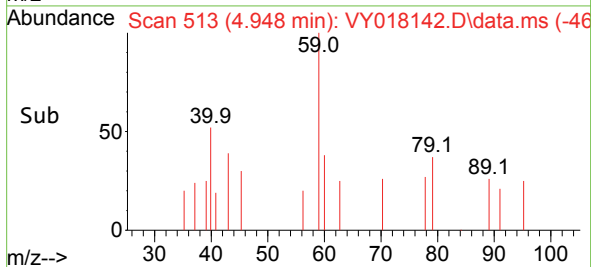
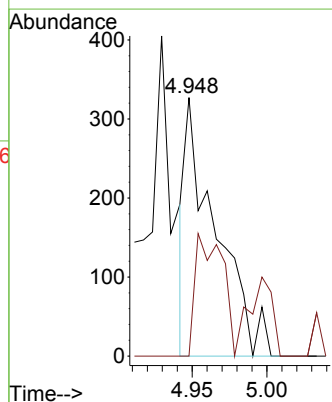
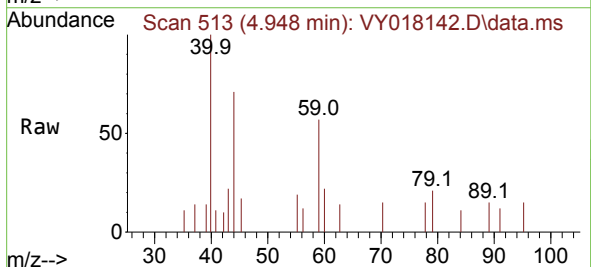
Instrument :
MSVOA_Y
ClientSampleId :

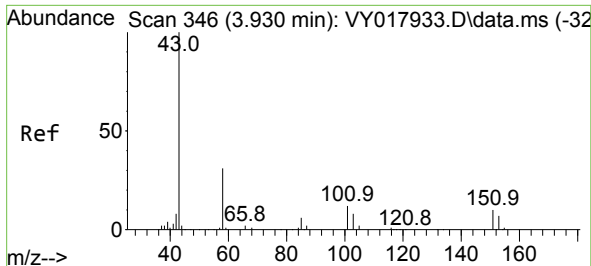
Tgt Ion:168 Resp: 238904
Ion Ratio Lower Upper
168 100
99 52.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 3.023 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Tgt Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 42.0 3.0 4.6#





#16

Acetone

Concen: 35.786 ug/l

RT: 3.942 min Scan# 346

Delta R.T. -0.006 min

Lab File: VY018142.D

Acq: 03 May 2024 14:58

Instrument :

MSVOA_Y

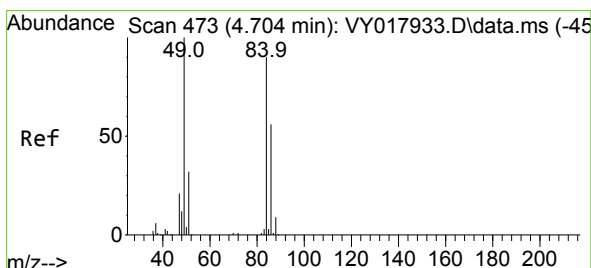
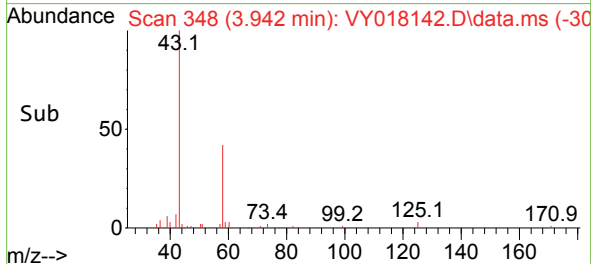
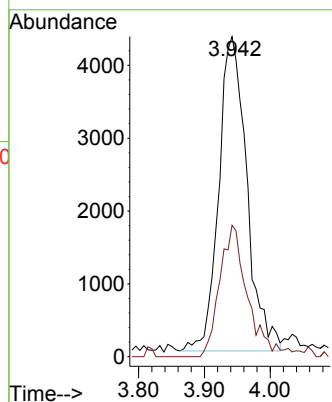
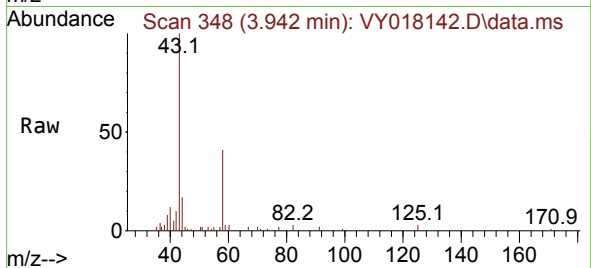
ClientSampleId :

Tgt Ion: 43 Resp: 12838

Ion Ratio Lower Upper

43 100

58 41.8 31.7 47.5



#20

Methylene Chloride

Concen: 2.587 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY018142.D

Acq: 03 May 2024 14:58

Tgt Ion: 84 Resp: 6504

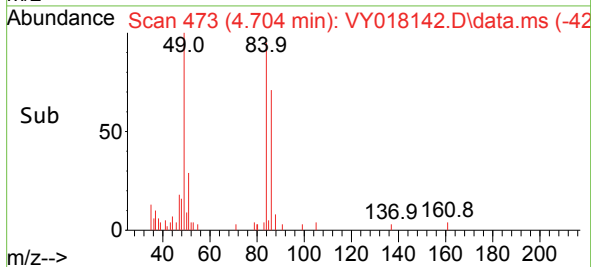
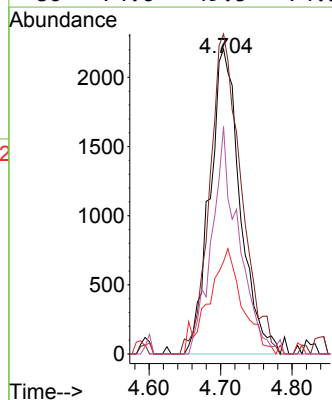
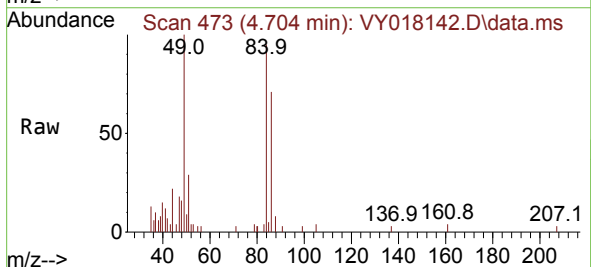
Ion Ratio Lower Upper

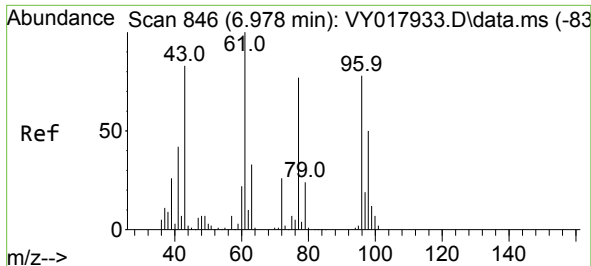
84 100

49 104.9 84.4 126.6

51 30.3 26.0 39.0

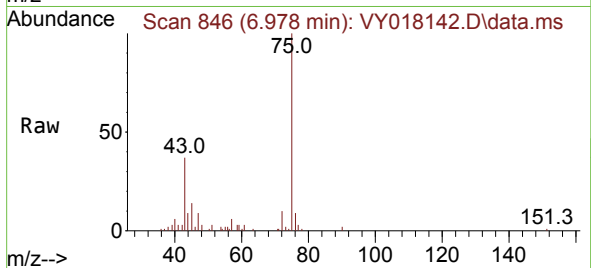
86 74.6 49.5 74.3#



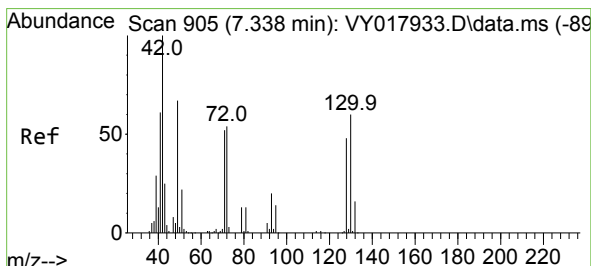
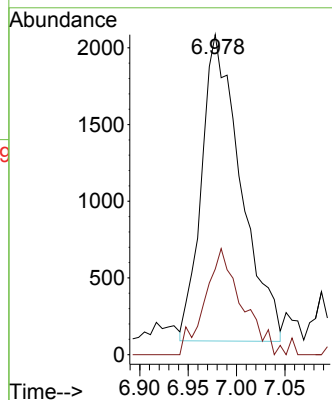
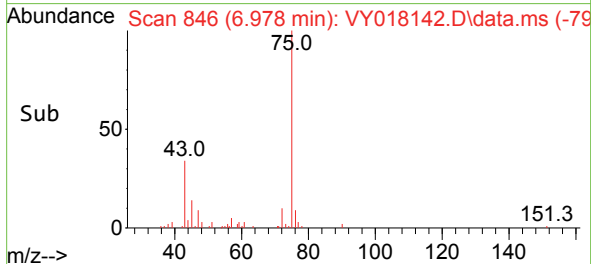


#25
2-Butanone
Concen: 10.124 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Instrument :
MSVOA_Y
ClientSampleId :

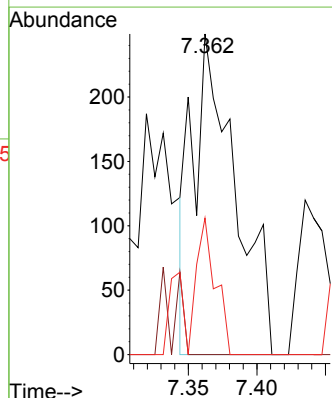
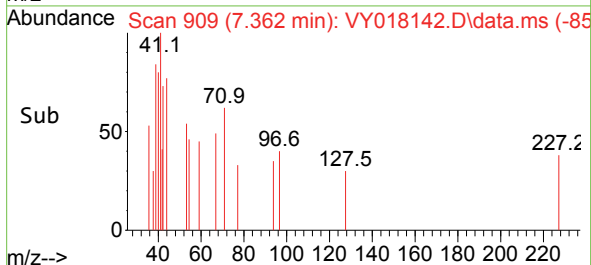
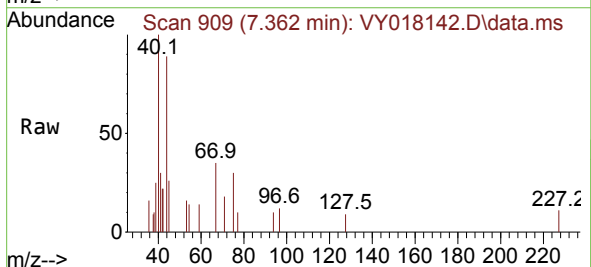


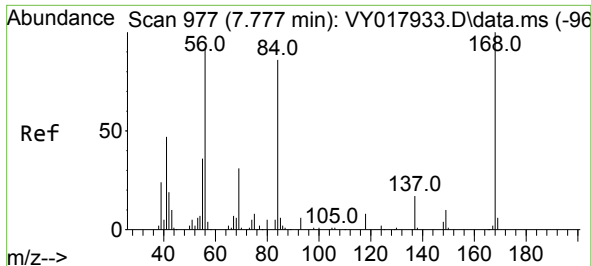
Tgt Ion: 43 Resp: 5650
Ion Ratio Lower Upper
43 100
72 28.8 27.3 40.9



#29
Tetrahydrofuran
Concen: 1.514 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

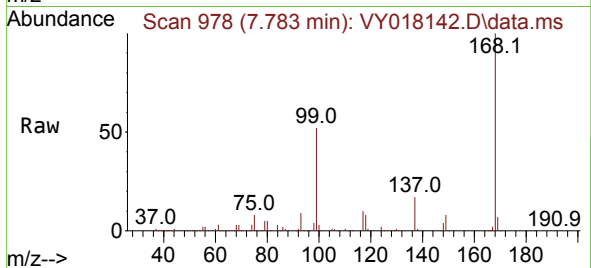
Tgt Ion: 42 Resp: 537
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 19.2 40.8 61.2#



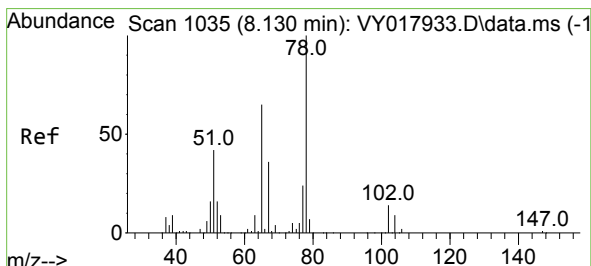
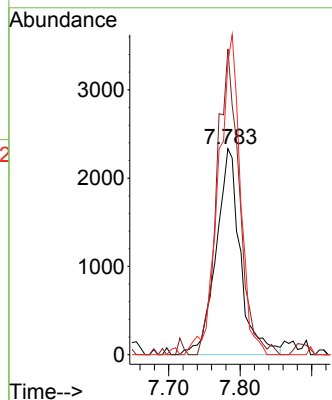
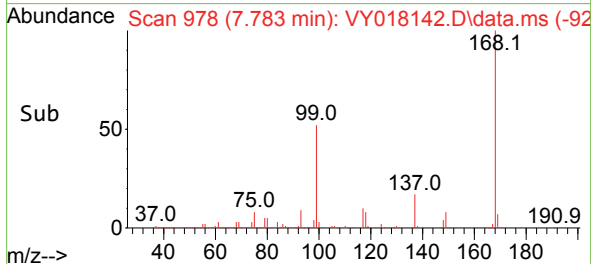


#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Instrument :
MSVOA_Y
ClientSampleId :

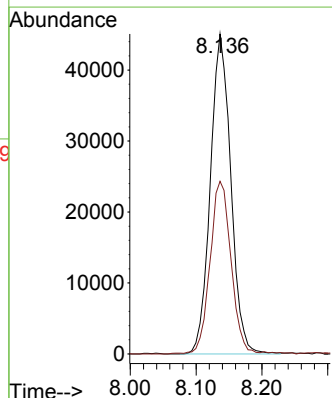
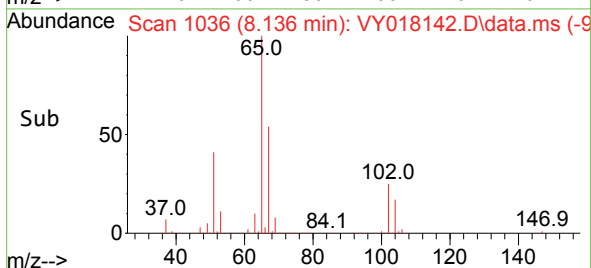
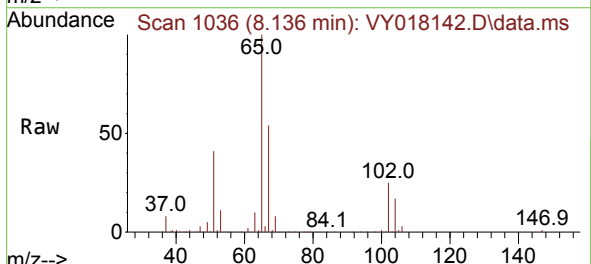


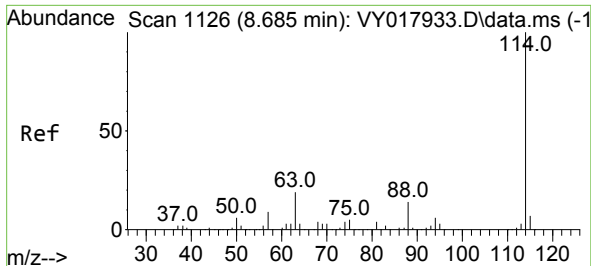
Tgt Ion: 56 Resp: 5492
Ion Ratio Lower Upper
56 100
69 148.3 28.7 43.1#
84 141.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.898 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Tgt Ion: 65 Resp: 97730
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY018142.D

Acq: 03 May 2024 14:58

Instrument :

MSVOA_Y

ClientSampleId :

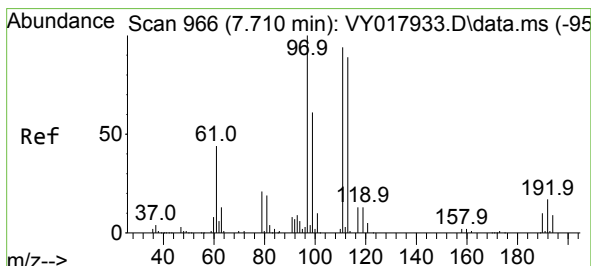
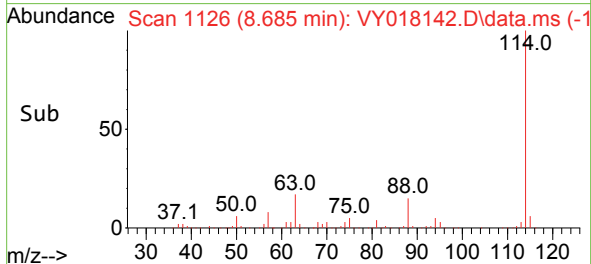
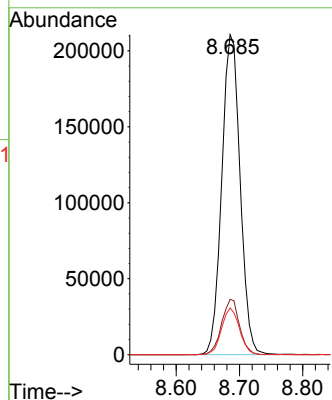
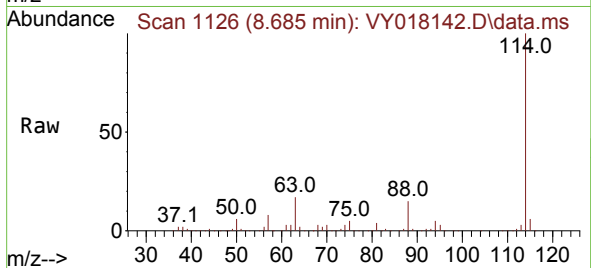
Tgt Ion:114 Resp: 423583

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 14.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.003 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.012 min

Lab File: VY018142.D

Acq: 03 May 2024 14:58

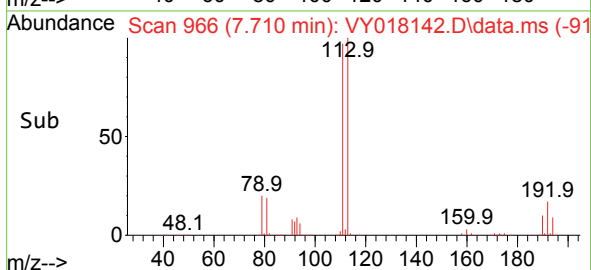
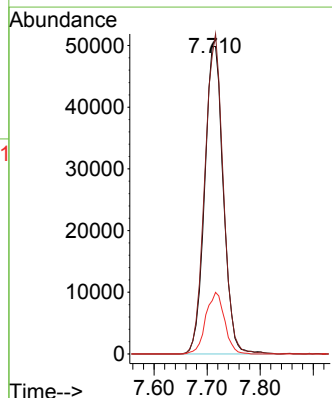
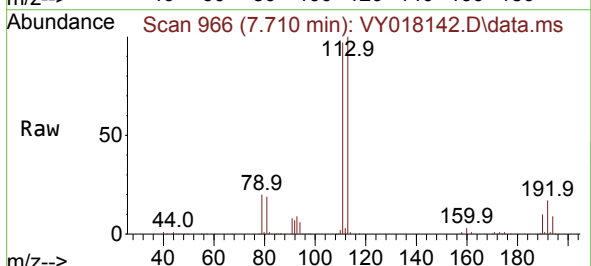
Tgt Ion:113 Resp: 121717

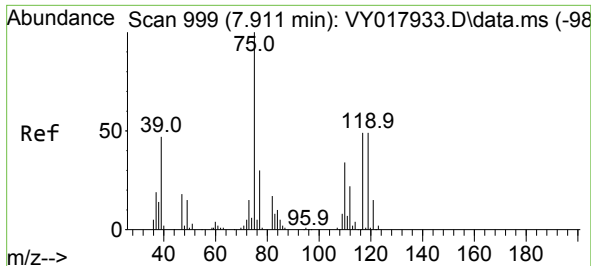
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 20.2 15.9 23.9

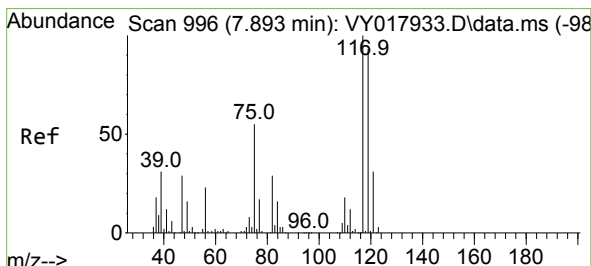
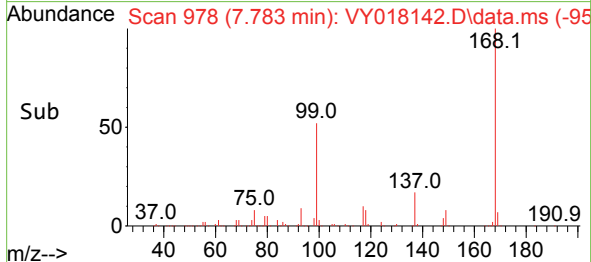
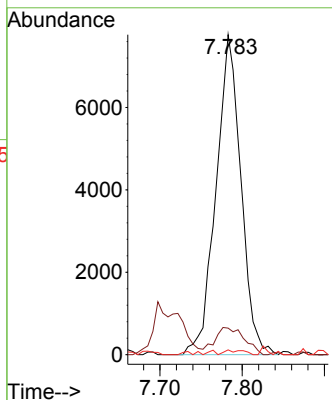
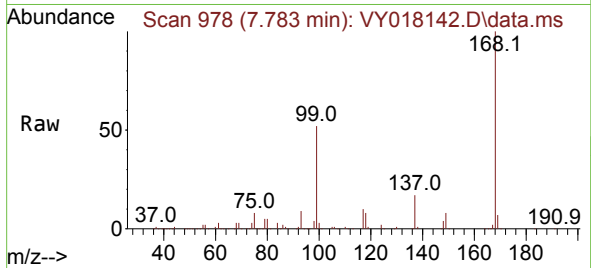




#36
1,1-Dichloropropene
Concen: 5.020 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

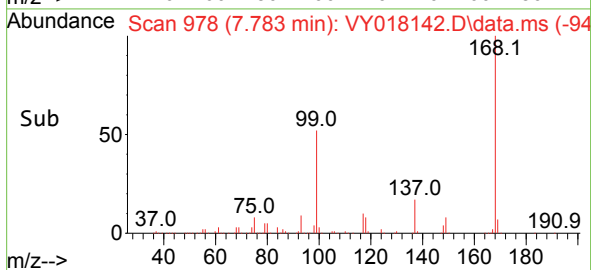
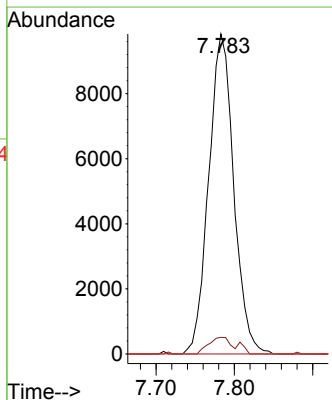
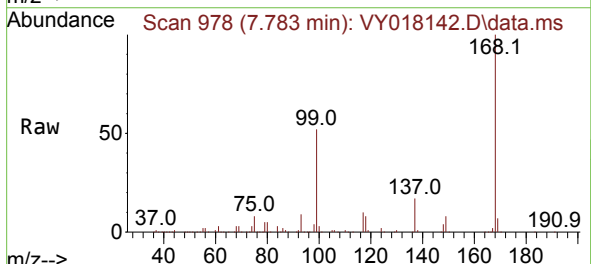
Instrument :
MSVOA_Y
ClientSampleId :

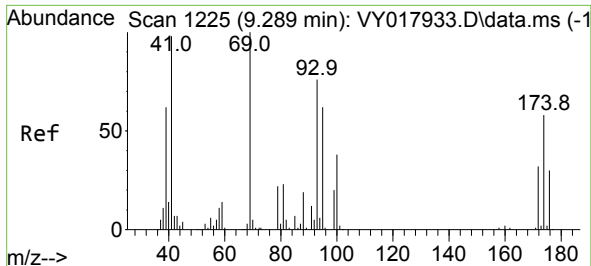
Tgt Ion: 75 Resp: 16311
Ion Ratio Lower Upper
75 100
110 10.1 19.0 57.0#
77 0.5 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Tgt Ion: 117 Resp: 21857
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.692 ug/l

RT: 9.331 min Scan# 11

Delta R.T. 0.030 min

Lab File: VY018142.D

Acq: 03 May 2024 14:58

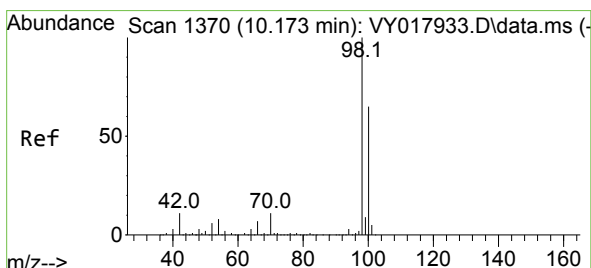
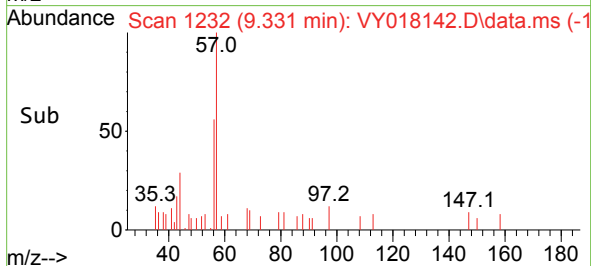
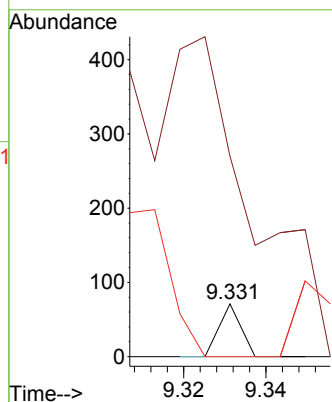
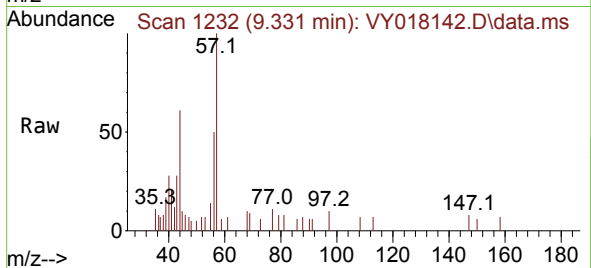
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 88 Resp: 26

Ion	Ratio	Lower	Upper
88	100		
43	3634.6	0.0	0.0#
58	892.3	49.3	73.9#



#50

Toluene-d8

Concen: 49.541 ug/l

RT: 10.179 min Scan# 1371

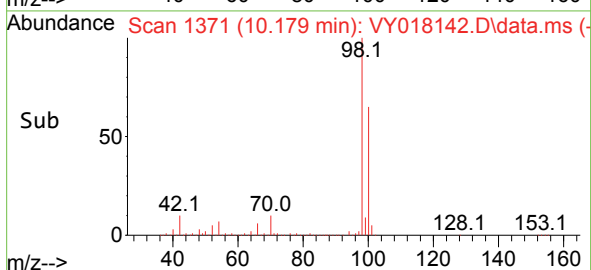
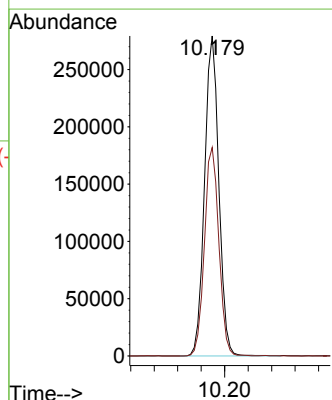
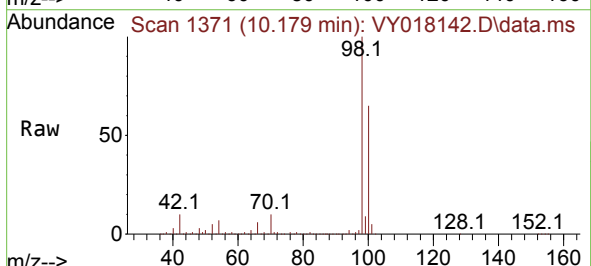
Delta R.T. -0.000 min

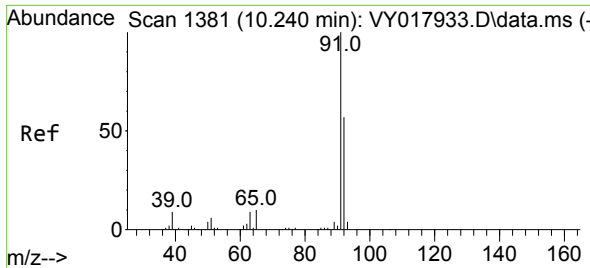
Lab File: VY018142.D

Acq: 03 May 2024 14:58

Tgt Ion: 98 Resp: 470785

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0

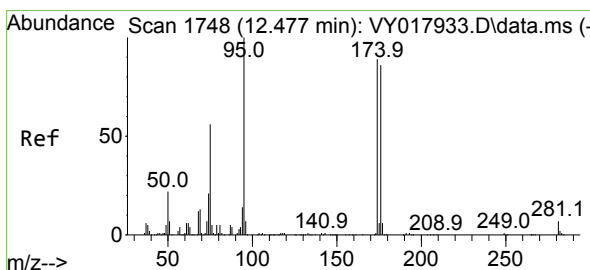
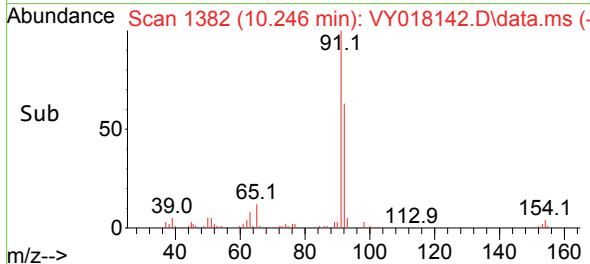
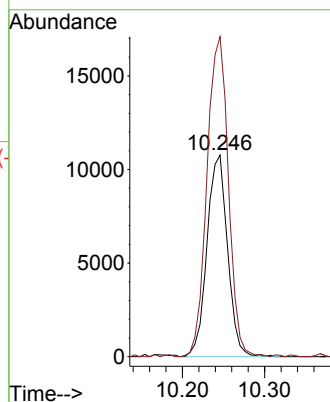
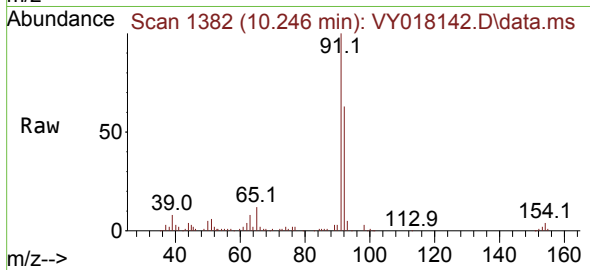




#52
Toluene
Concen: 2.708 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

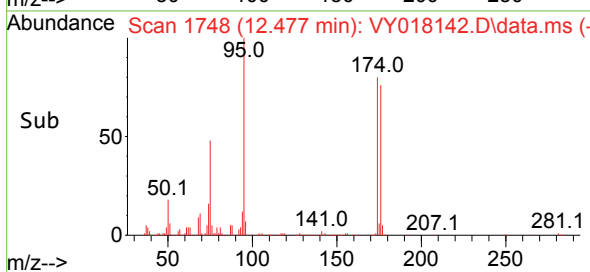
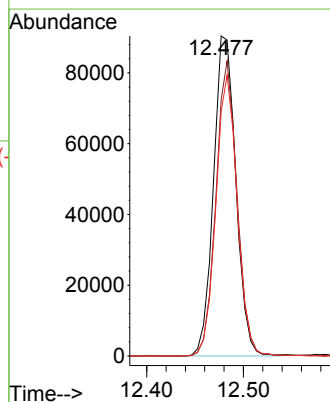
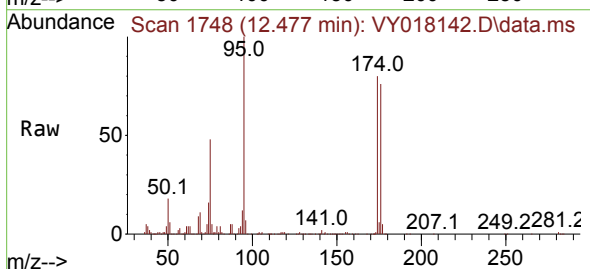
Instrument :
MSVOA_Y
ClientSampleId :

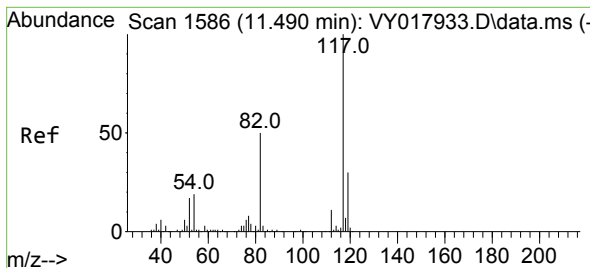
Tgt Ion: 92 Resp: 18715
Ion Ratio Lower Upper
92 100
91 165.0 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 44.288 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Tgt Ion: 95 Resp: 144839
Ion Ratio Lower Upper
95 100
174 87.3 0.0 175.6
176 84.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

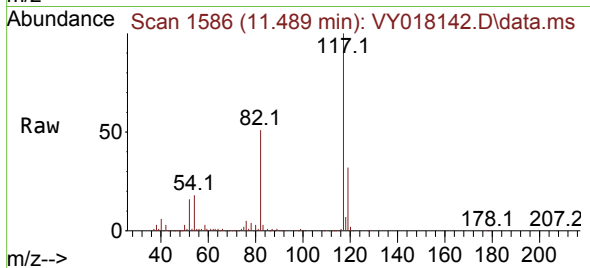
Lab File: VY018142.D

Acq: 03 May 2024 14:58

Instrument :

MSVOA_Y

ClientSampleId :



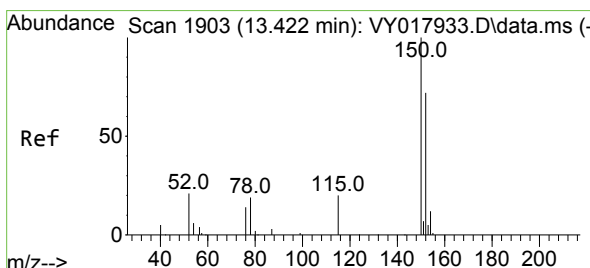
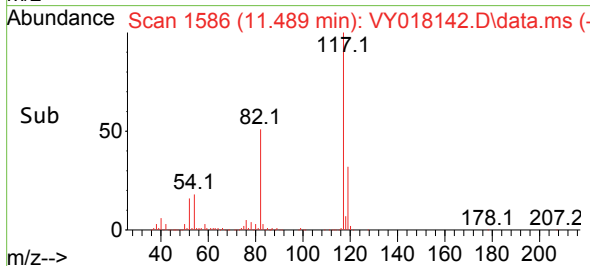
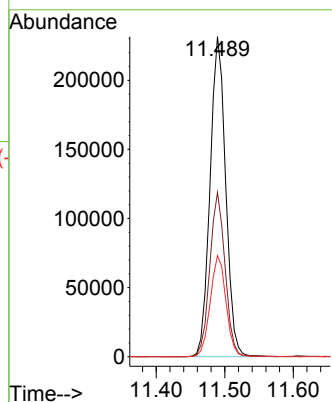
Tgt Ion:117 Resp: 367069

Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY018142.D

Acq: 03 May 2024 14:58

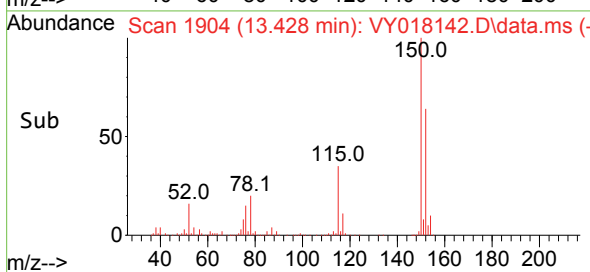
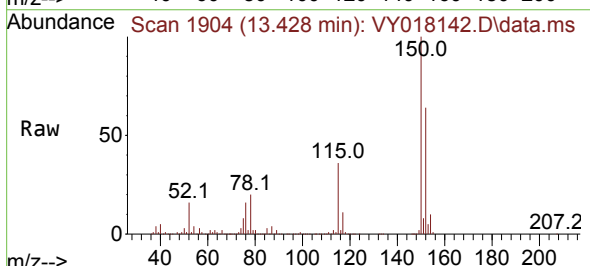
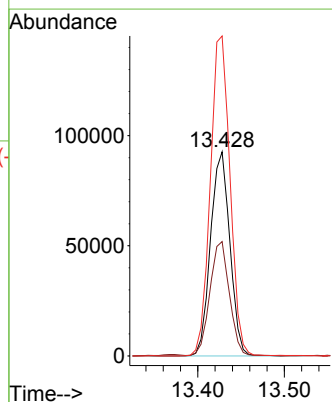
Tgt Ion:152 Resp: 143519

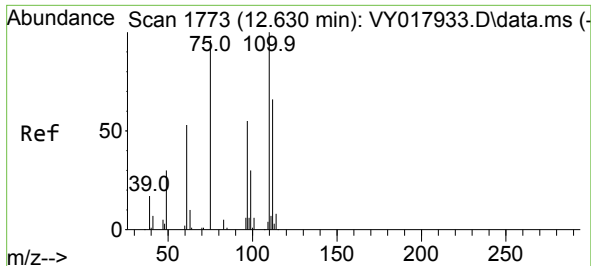
Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.7

150 159.9 0.0 345.6

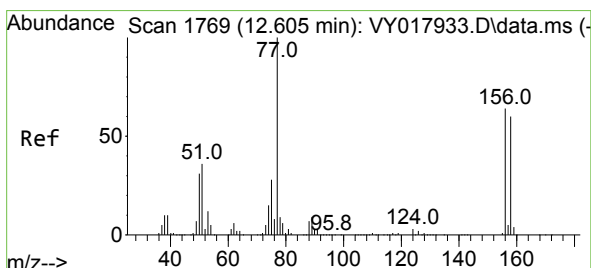
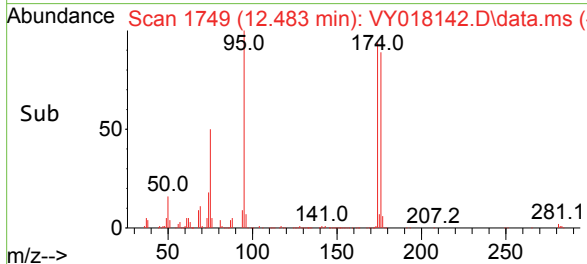
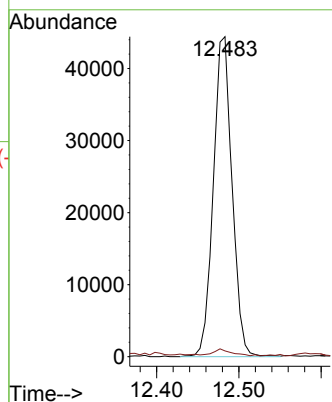
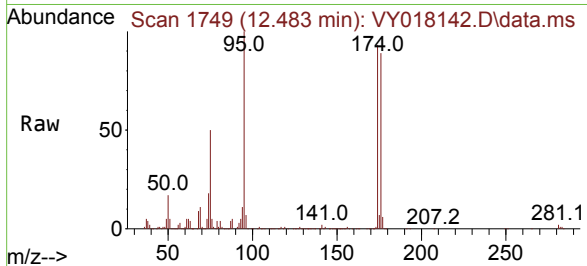




#76
1,2,3-Trichloropropane
Concen: 58.387 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

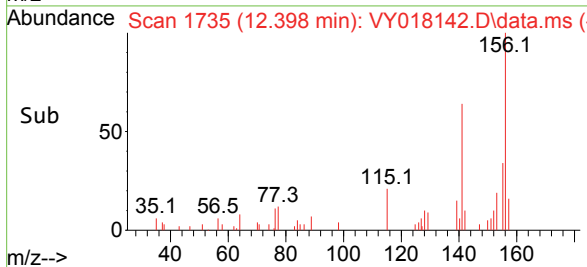
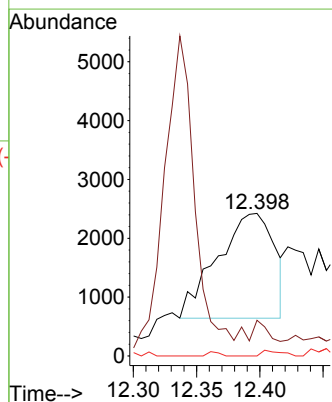
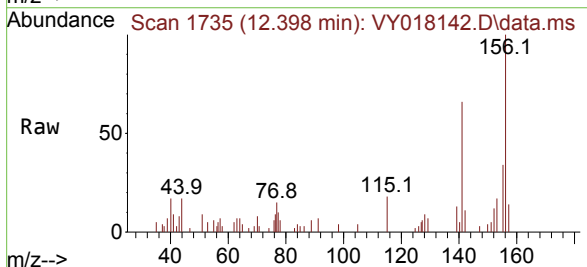
Instrument :
MSVOA_Y
ClientSampleId :

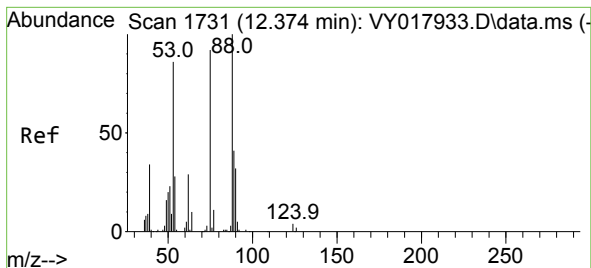
Tgt Ion: 75 Resp: 70326
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#77
Bromobenzene
Concen: 2.171 ug/l
RT: 12.398 min Scan# 1735
Delta R.T. -0.213 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

Tgt Ion: 156 Resp: 5573
Ion Ratio Lower Upper
156 100
77 4.3 87.1 261.3#
158 1.8 48.6 145.9#

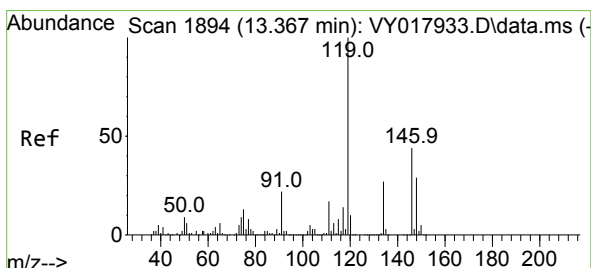
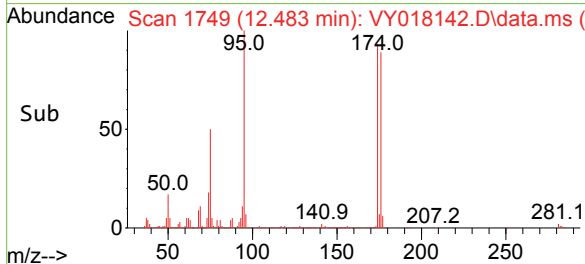
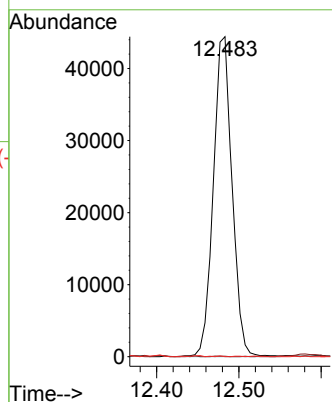
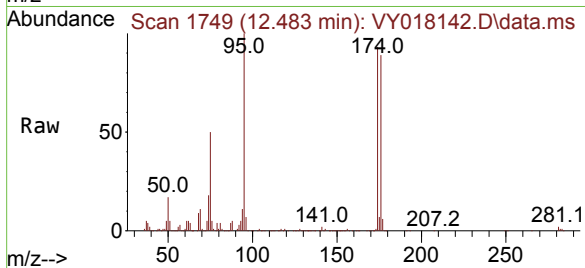




#81
trans-1,4-Dichloro-2-butene
Concen: 106.367 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

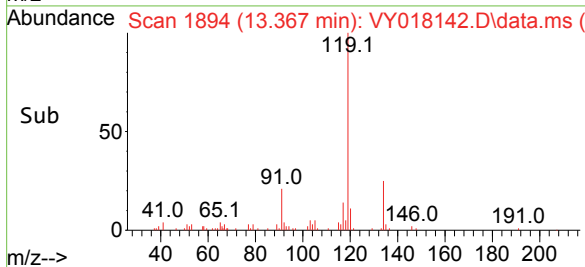
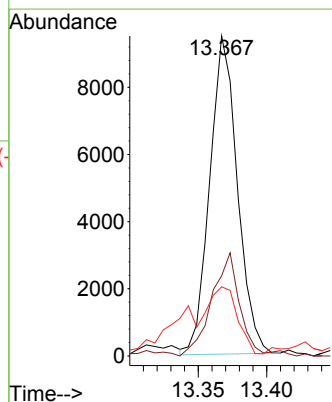
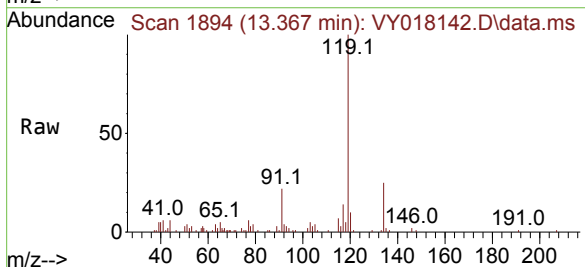
Instrument :
MSVOA_Y
ClientSampleId :

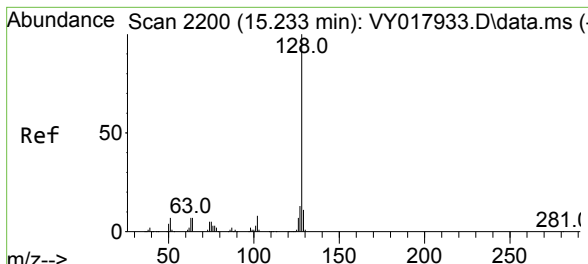
Tgt Ion: 75 Resp: 70326
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.1 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 1.394 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY018142.D
Acq: 03 May 2024 14:58

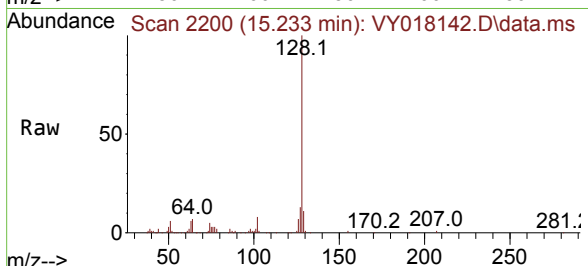
Tgt Ion: 119 Resp: 13289
Ion Ratio Lower Upper
119 100
134 33.5 13.1 39.3
91 23.0 10.7 32.1





#95
 Naphthalene
 Concen: 13.835 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY018142.D
 Acq: 03 May 2024 14:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	60899
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	13.0

