

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016167.D
 Acq On : 01 Nov 2023 14:40
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:25:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

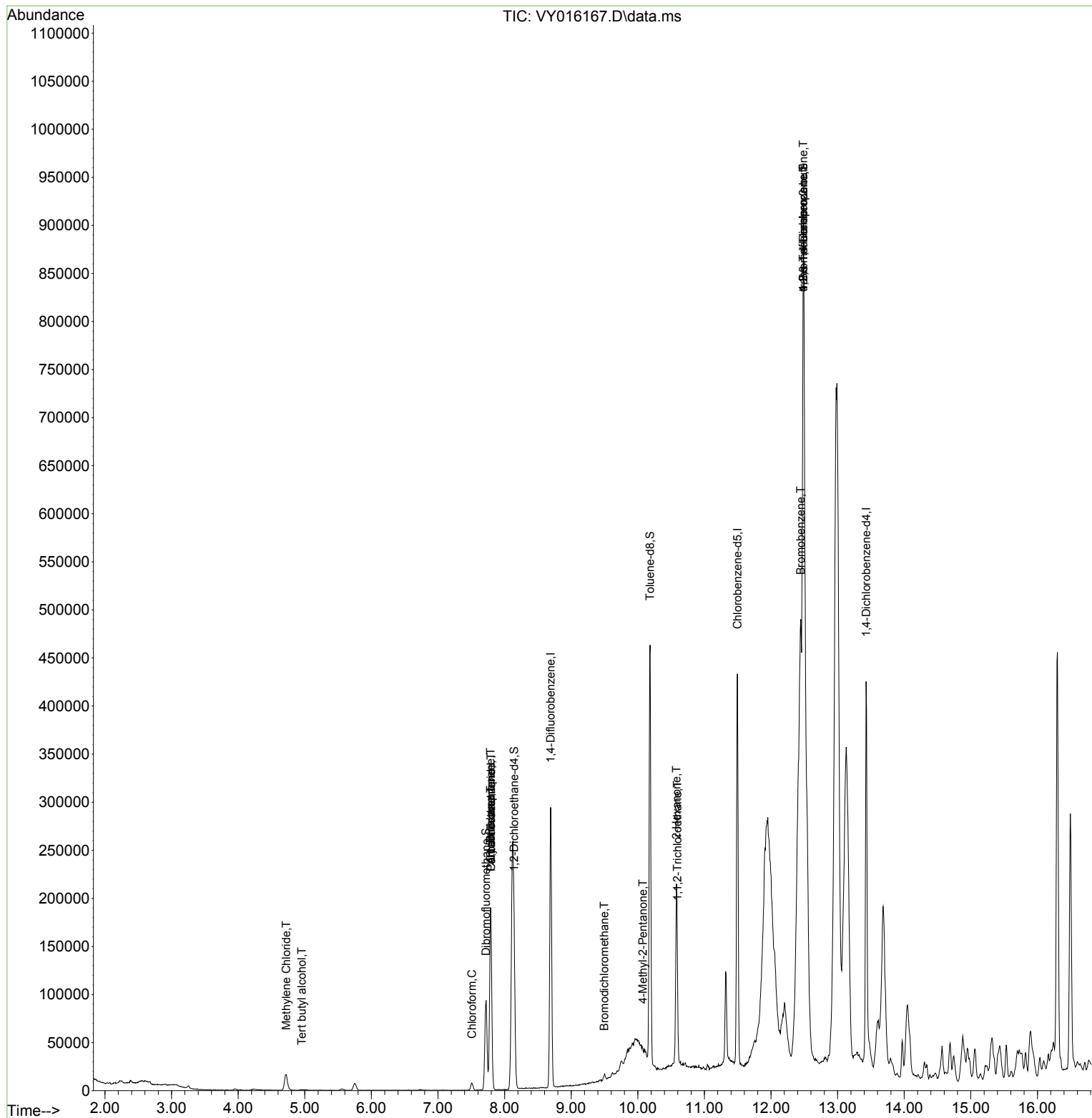
Internal Standards						
1) Pentafluorobenzene	7.795	168	150334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	250053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	224692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70446	50.078	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.160%	
35) Dibromofluoromethane	7.722	113	67187	45.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.140%	
50) Toluene-d8	10.185	98	294131	49.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.483	95	100362	49.658	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1263	12.017	ug/l #	94
13) Acrolein	3.747	56	80	Below Cal	#	14
16) Acetone	3.954	43	2643	Below Cal	#	88
20) Methylene Chloride	4.722	84	12814	6.294	ug/l #	86
30) Chloroform	7.509	83	7684	2.865	ug/l	100
31) Cyclohexane	7.789	56	2871	1.328	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10868	5.049	ug/l #	50
38) Carbon Tetrachloride	7.795	117	14810	6.944	ug/l #	15
47) Bromodichloromethane	9.496	83	3565	1.664	ug/l #	88
49) 1,4-Dioxane	9.295	88	333	Below Cal	#	49
51) 4-Methyl-2-Pentanone	10.075	43	1263	1.335	ug/l #	37
55) 1,1,2-Trichloroethane	10.593	97	1235	1.041	ug/l #	14
59) 2-Hexanone	10.581	43	838	1.292	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	83682	86.533	ug/l #	100
77) Bromobenzene	12.447	156	434177	248.920	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	84451	189.348	ug/l #	26

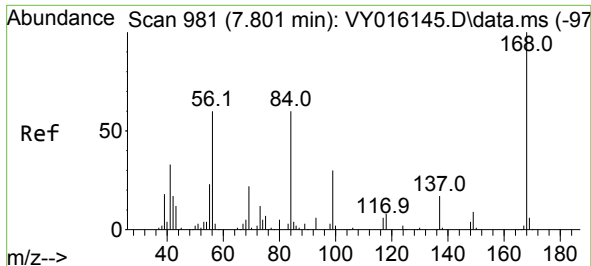
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

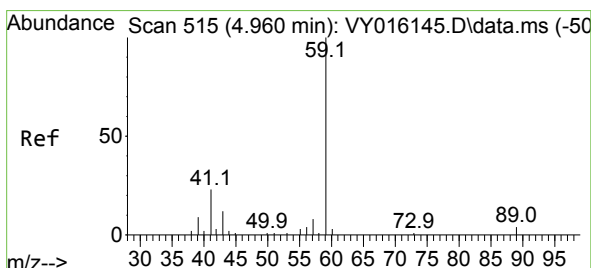
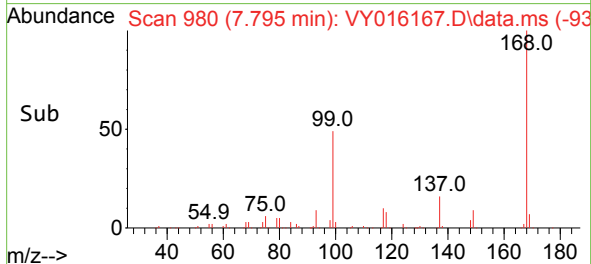
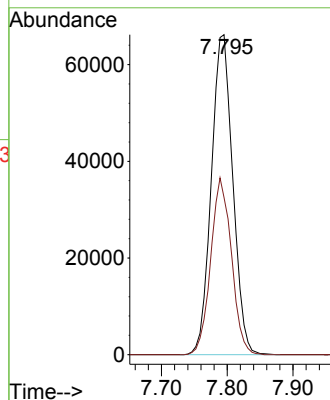
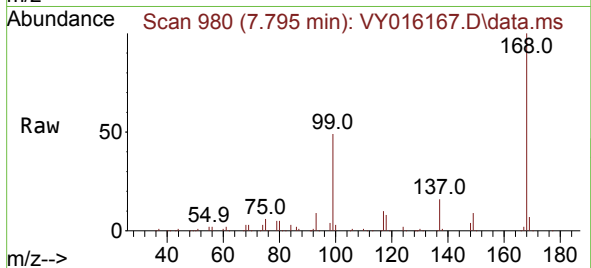




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

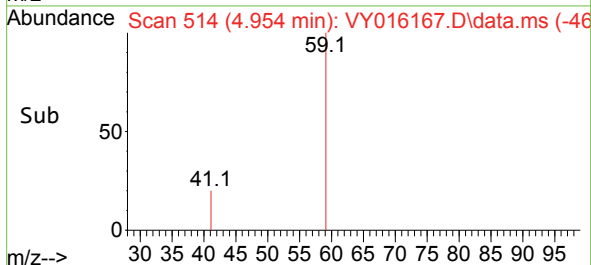
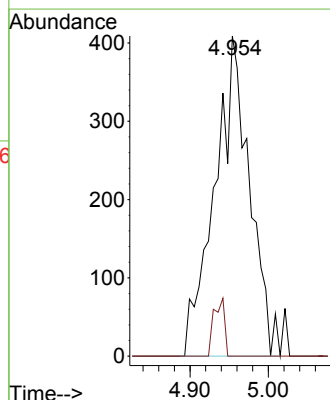
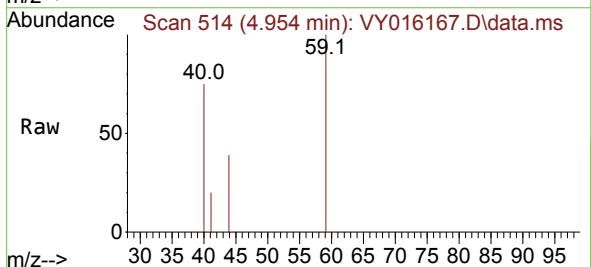
Instrument :
MSVOA_Y
ClientSampleId :

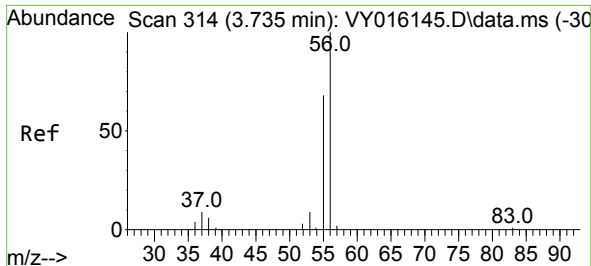
Tgt Ion:168 Resp: 150334
Ion Ratio Lower Upper
168 100
99 49.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 12.017 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Tgt Ion: 59 Resp: 1263
Ion Ratio Lower Upper
59 100
57 5.5 3.0 4.4#

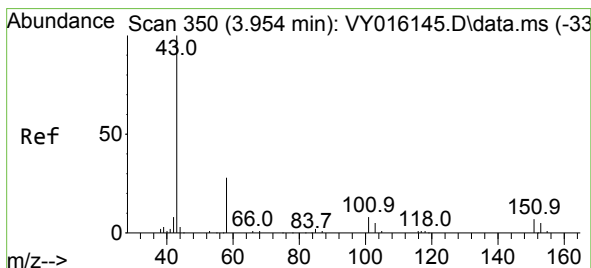
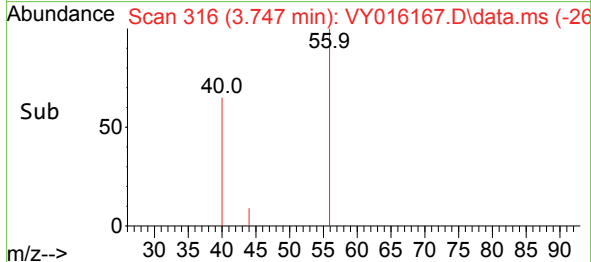
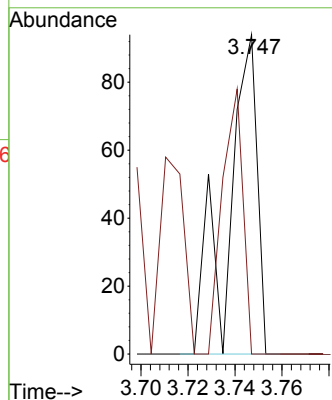
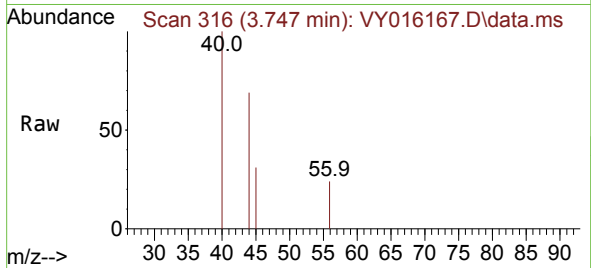




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

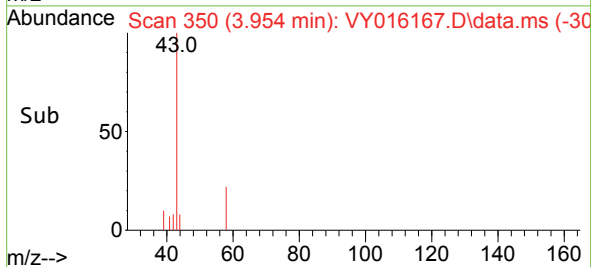
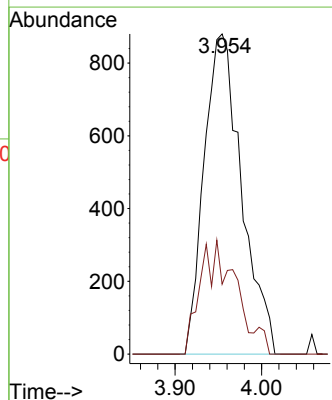
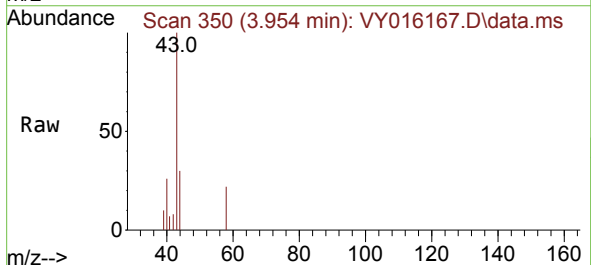
Instrument :
MSVOA_Y
ClientSampleId :

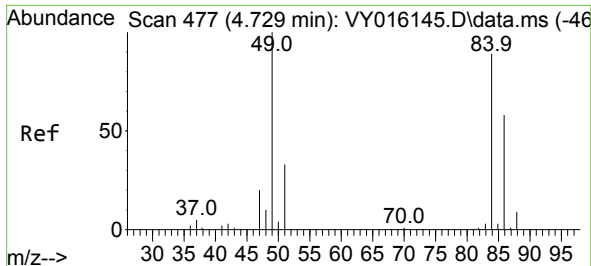
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

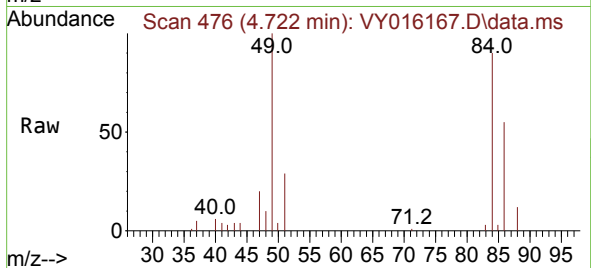
Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
58 21.8 22.7 34.1#





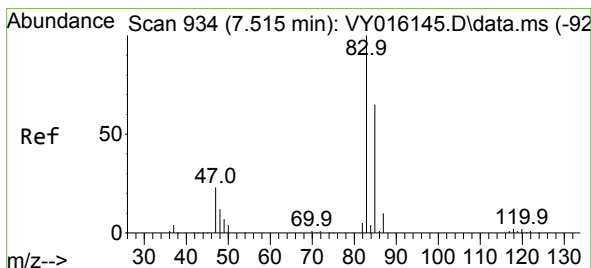
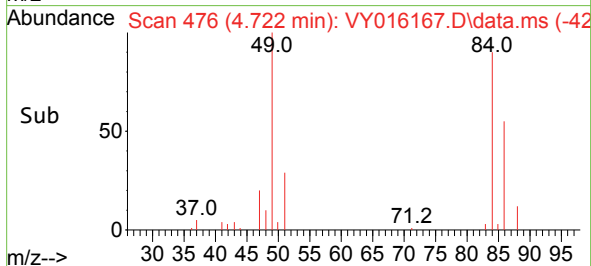
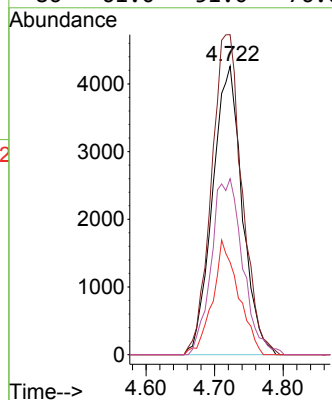
#20
Methylene Chloride
Concen: 6.294 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 12814

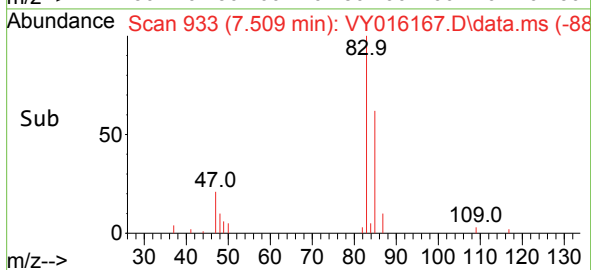
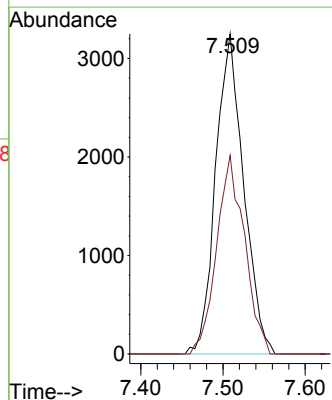
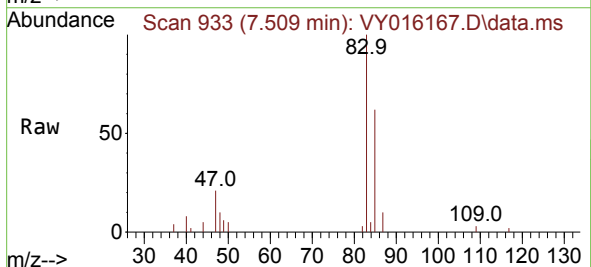
Ion	Ratio	Lower	Upper
84	100		
49	110.9	106.9	160.3
51	32.0	33.2	49.8#
86	61.0	51.0	76.6

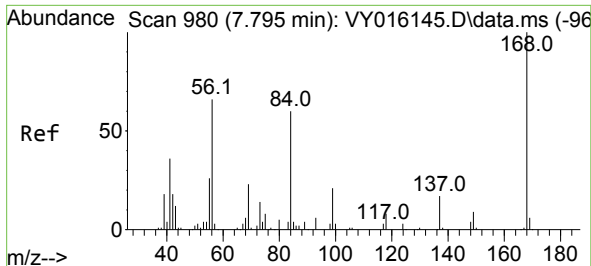


#30
Chloroform
Concen: 2.865 ug/l
RT: 7.509 min Scan# 933
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Tgt Ion: 83 Resp: 7684

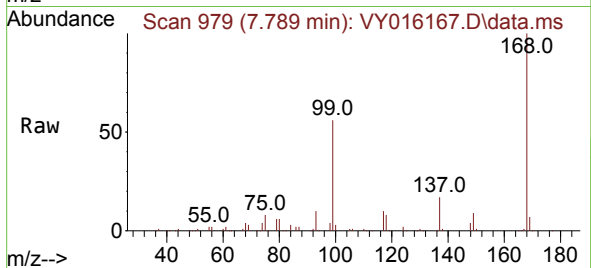
Ion	Ratio	Lower	Upper
83	100		
85	62.0	49.7	74.5



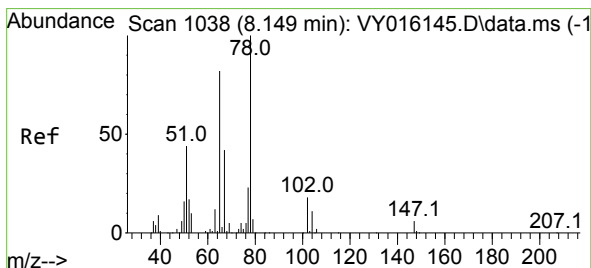
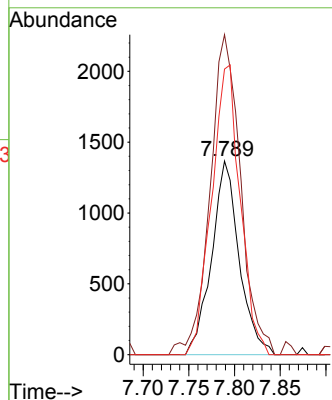
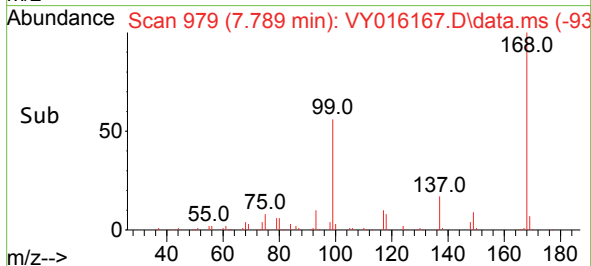


#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Instrument :
MSVOA_Y
ClientSampleId :

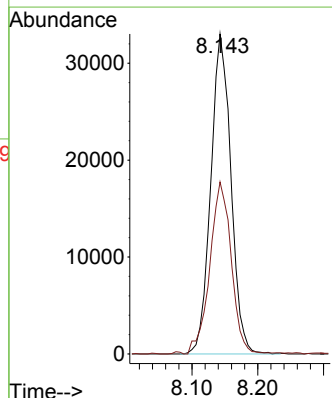
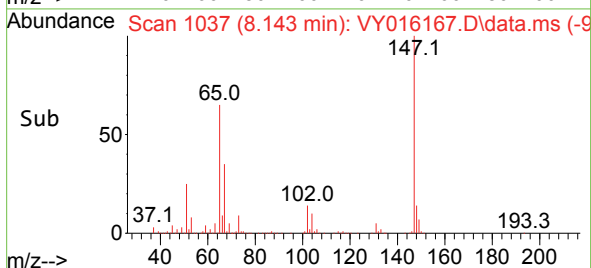
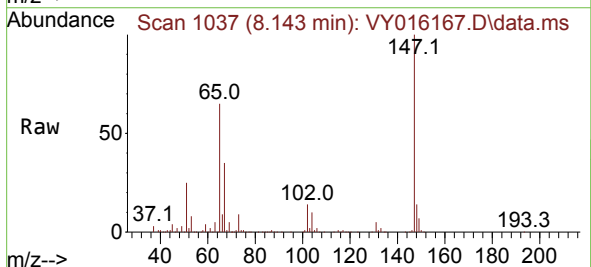


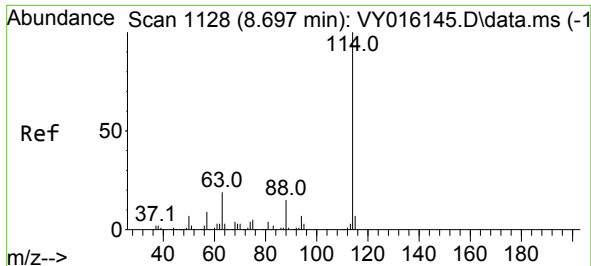
Tgt Ion: 56 Resp: 2871
Ion Ratio Lower Upper
56 100
69 165.3 27.8 41.6#
84 147.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.078 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Tgt Ion: 65 Resp: 70446
Ion Ratio Lower Upper
65 100
67 57.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

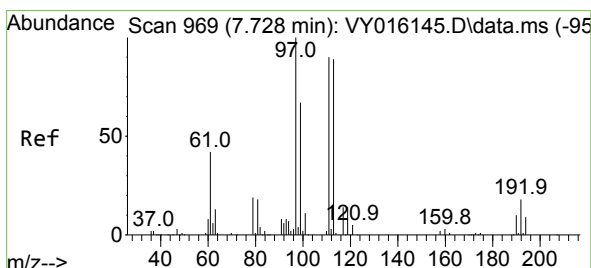
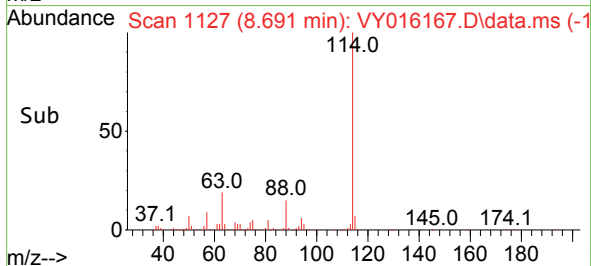
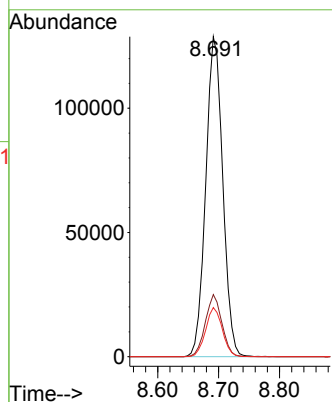
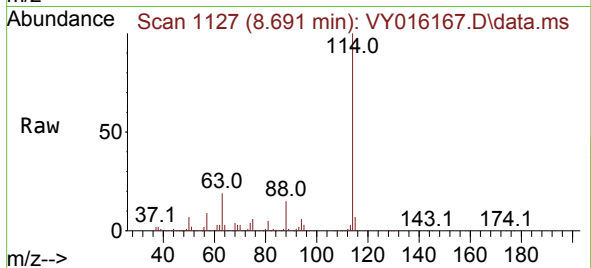
Tgt Ion:114 Resp: 250053

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.069 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

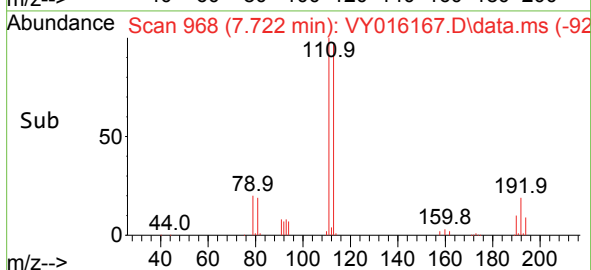
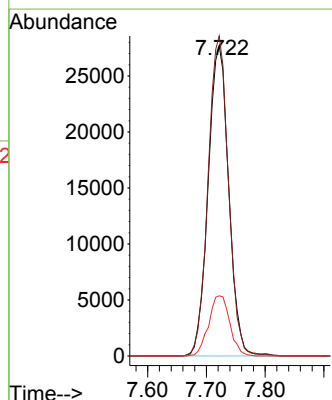
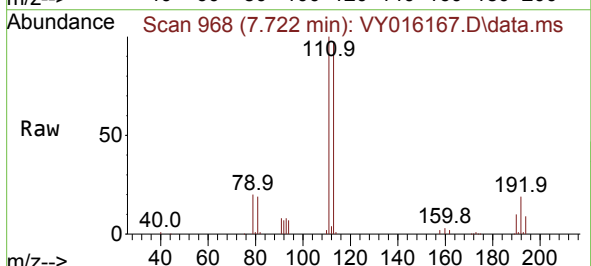
Tgt Ion:113 Resp: 67187

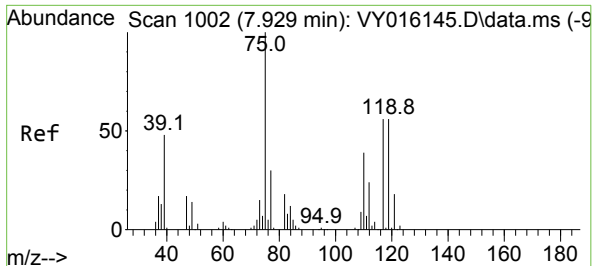
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.049 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

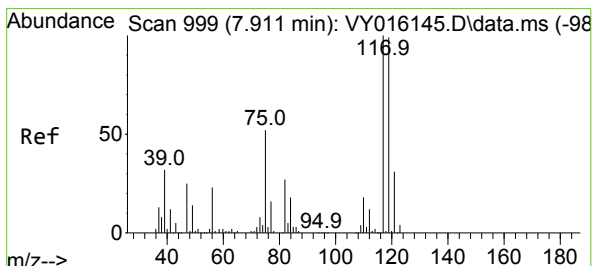
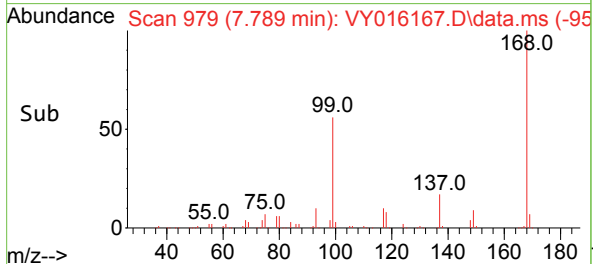
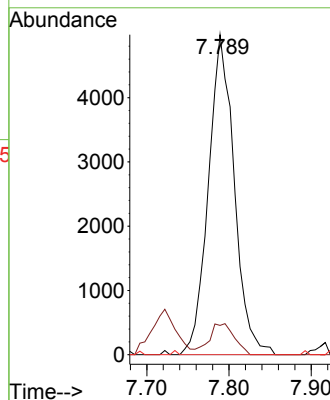
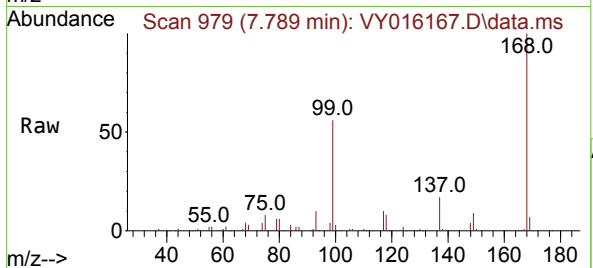
Tgt Ion: 75 Resp: 10868

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.944 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

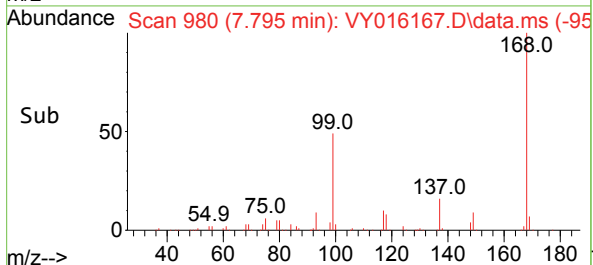
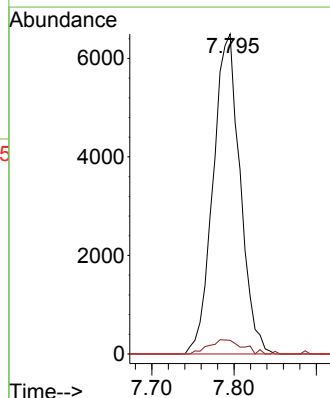
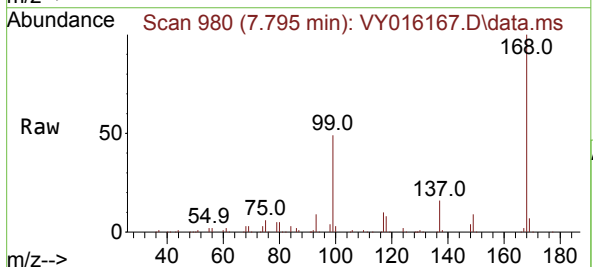
Tgt Ion: 117 Resp: 14810

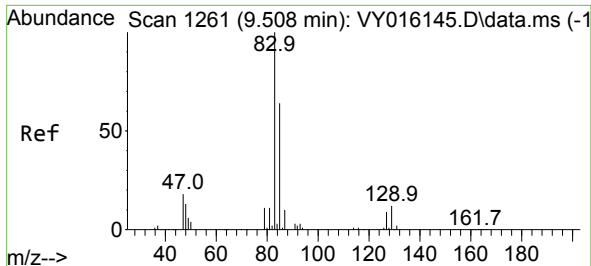
Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

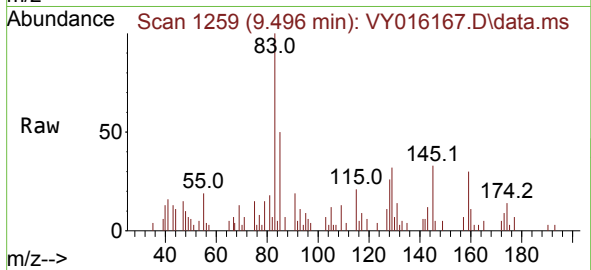
121 0.0 25.8 38.6#



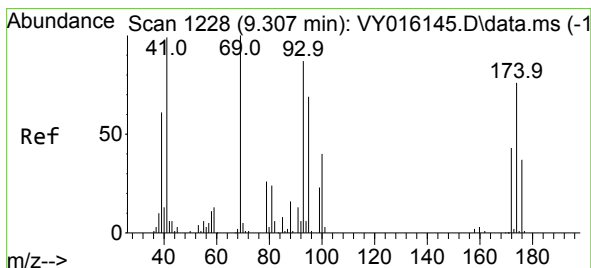
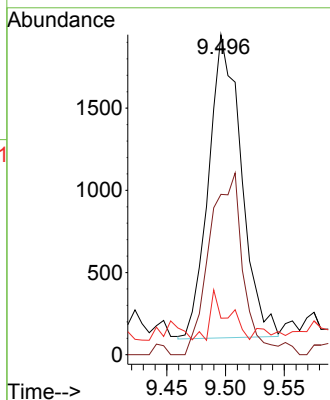
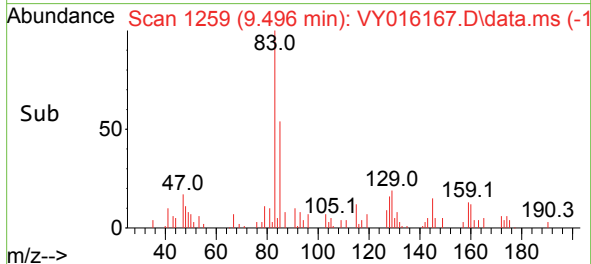


#47
Bromodichloromethane
Concen: 1.664 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.012 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Instrument :
MSVOA_Y
ClientSampleId :

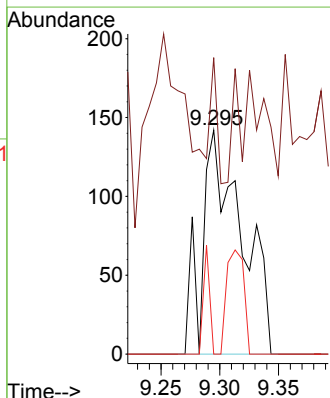
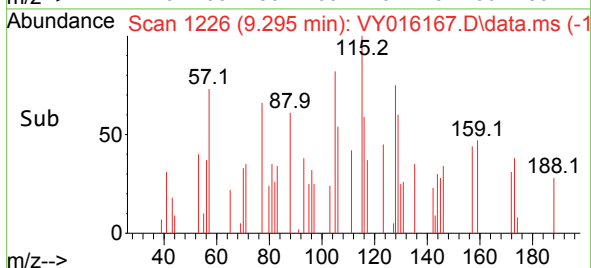
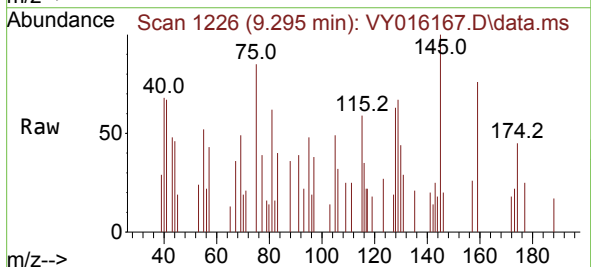


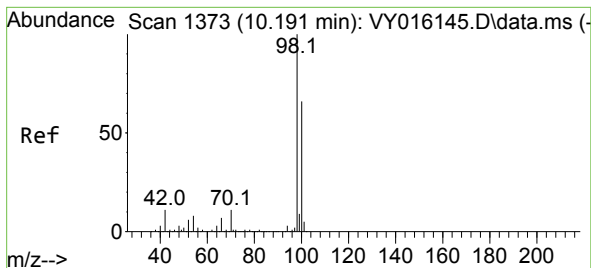
Tgt Ion: 83 Resp: 3565
Ion Ratio Lower Upper
83 100
85 53.2 50.1 75.1
127 4.4 7.1 10.7#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.295 min Scan# 1226
Delta R.T. -0.012 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Tgt Ion: 88 Resp: 333
Ion Ratio Lower Upper
88 100
43 8.7 0.0 0.0#
58 7.5 30.9 46.3#





#50

Toluene-d8

Concen: 49.764 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

Instrument :

MSVOA_Y

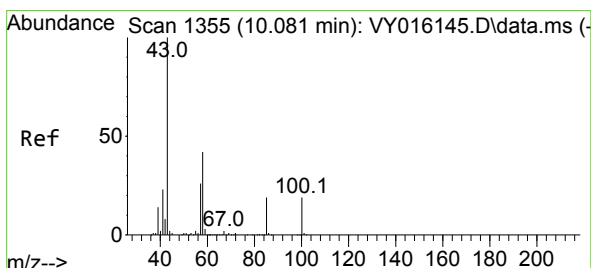
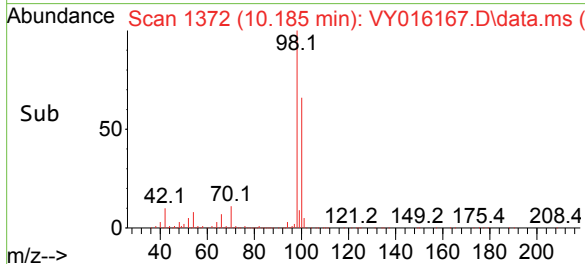
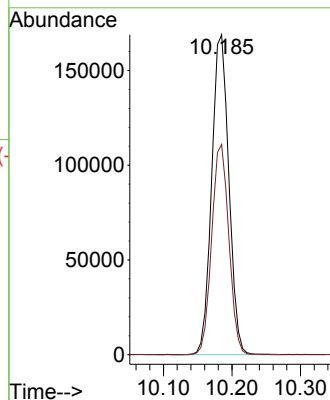
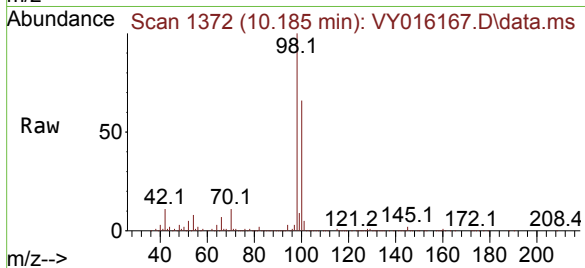
ClientSampleId :

Tgt Ion: 98 Resp: 294131

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.335 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. -0.006 min

Lab File: VY016167.D

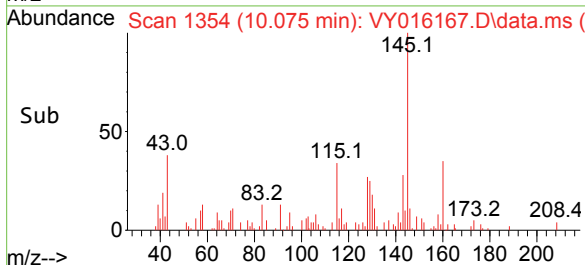
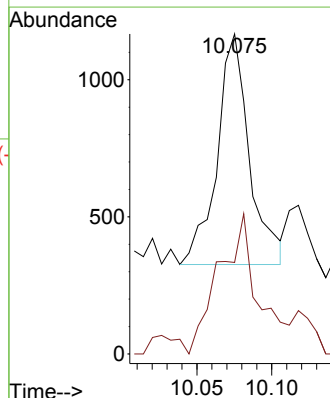
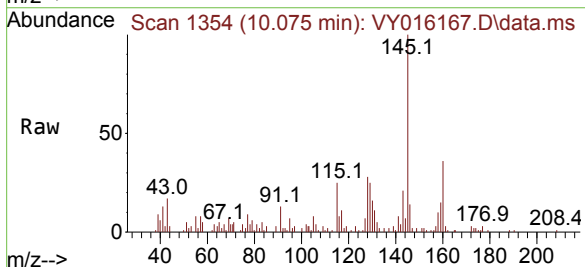
Acq: 01 Nov 2023 14:40

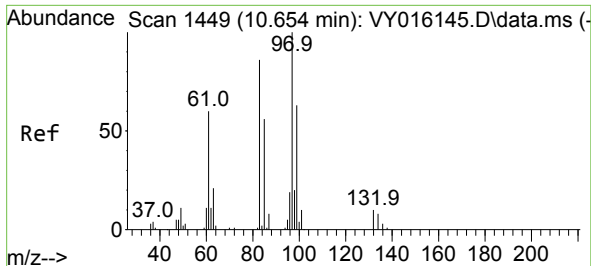
Tgt Ion: 43 Resp: 1263

Ion Ratio Lower Upper

43 100

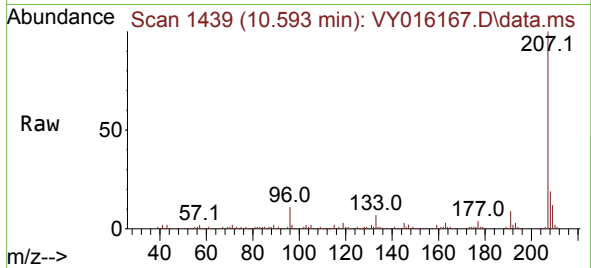
58 73.6 29.0 43.6#



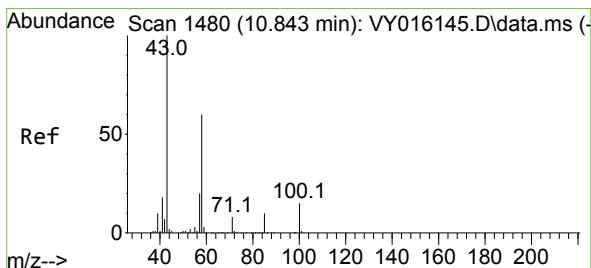
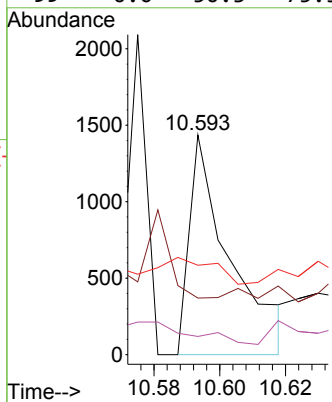
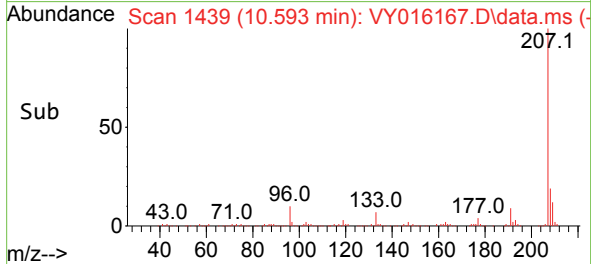


#55
1,1,2-Trichloroethane
Concen: 1.041 ug/l
RT: 10.593 min Scan# 1449
Delta R.T. -0.061 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

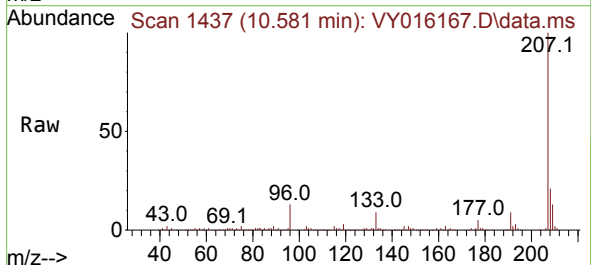
Instrument : MSVOA_Y
ClientSampleId :



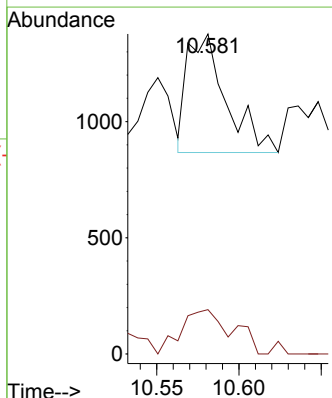
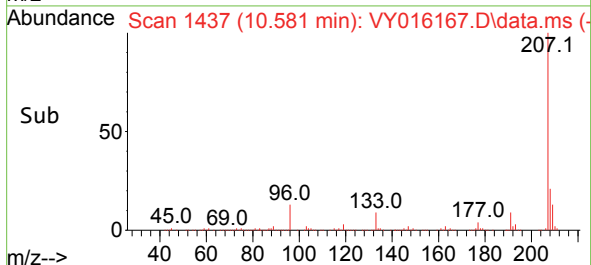
Tgt Ion: 97 Resp: 1235
Ion Ratio Lower Upper
97 100
83 0.0 72.0 108.0#
85 1.9 45.4 68.0#
99 0.0 50.3 75.5#

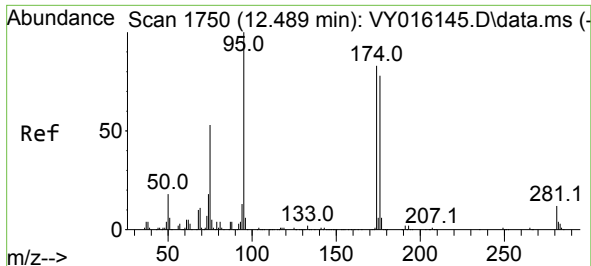


#59
2-Hexanone
Concen: 1.292 ug/l
RT: 10.581 min Scan# 1437
Delta R.T. -0.262 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40



Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 49.0 25.1 75.3

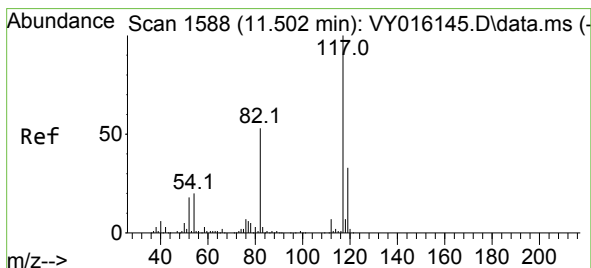
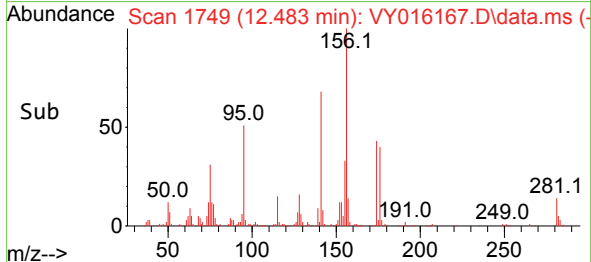
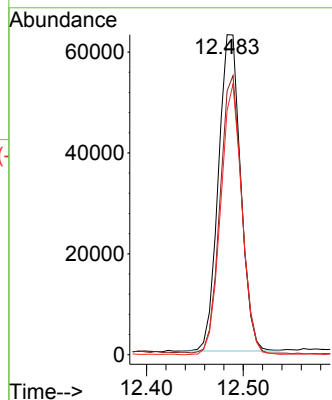
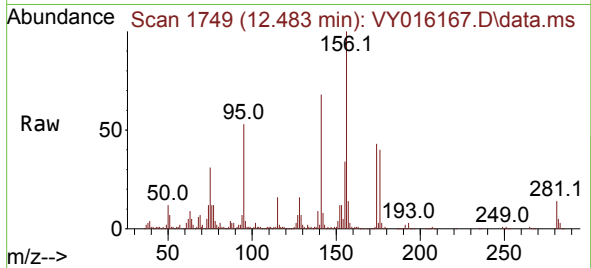




#62
4-Bromofluorobenzene
Concen: 49.658 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

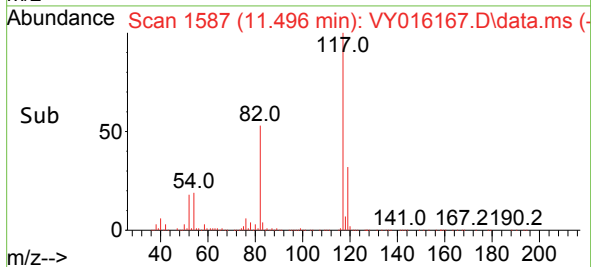
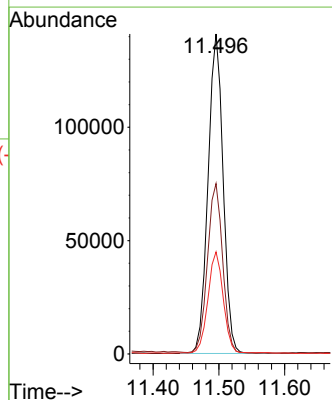
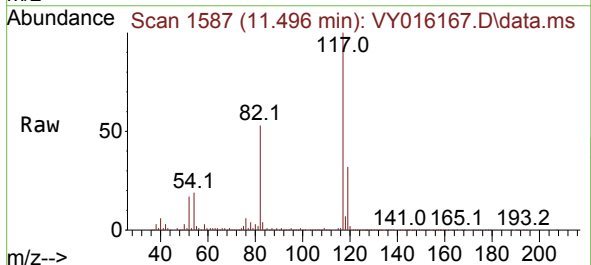
Instrument :
MSVOA_Y
ClientSampleId :

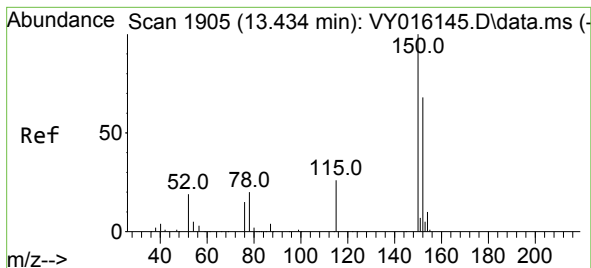
Tgt Ion: 95 Resp: 100362
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 81.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016167.D
Acq: 01 Nov 2023 14:40

Tgt Ion: 117 Resp: 224692
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

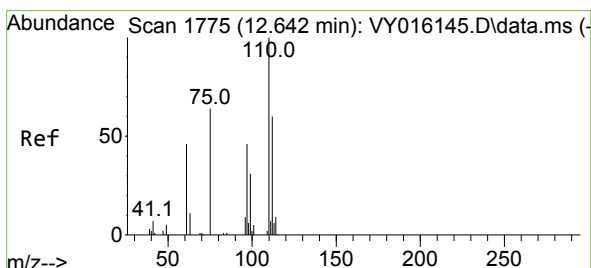
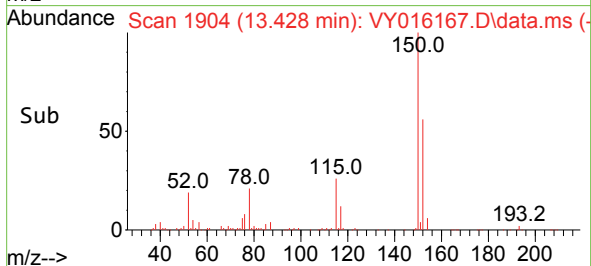
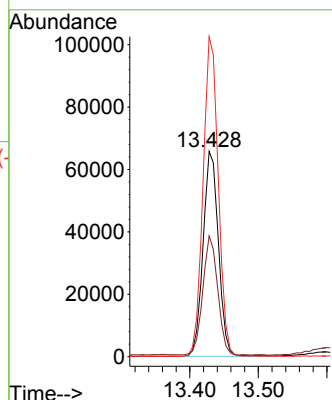
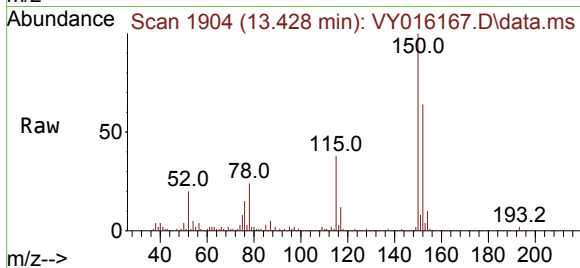
Tgt Ion:152 Resp: 102691

Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 154.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 86.533 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY016167.D

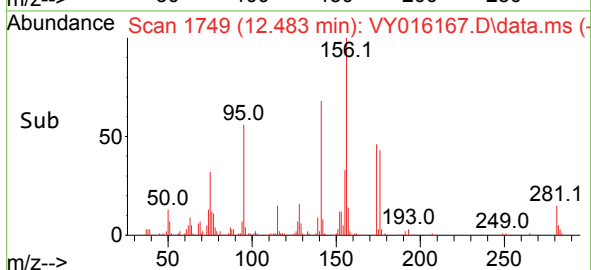
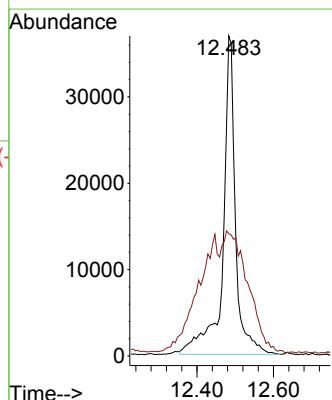
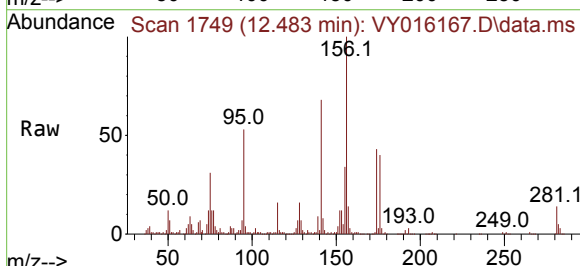
Acq: 01 Nov 2023 14:40

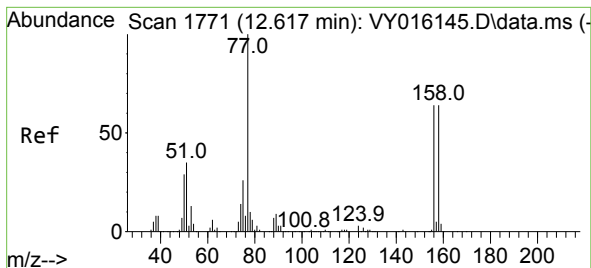
Tgt Ion: 75 Resp: 83682

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 248.920 ug/l

RT: 12.447 min Scan# 11

Delta R.T. -0.171 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :

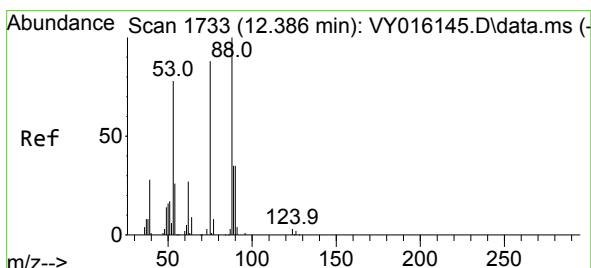
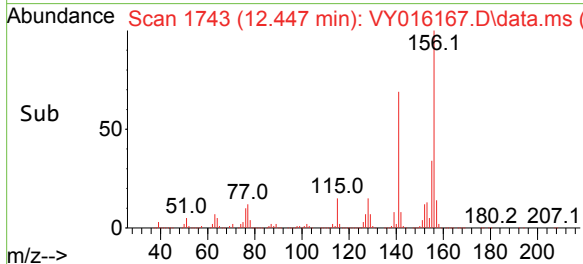
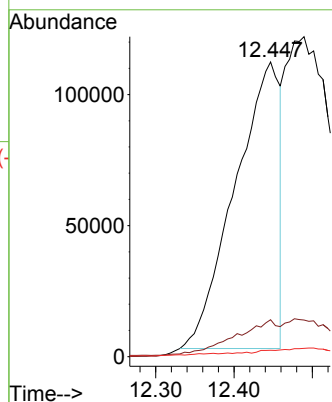
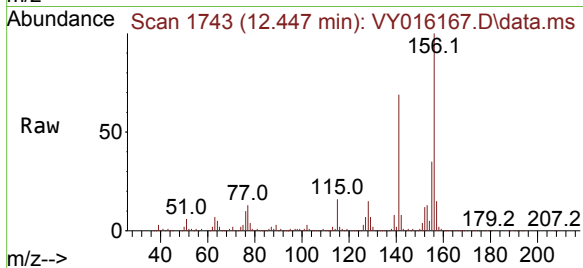
Tgt Ion:156 Resp: 434177

Ion Ratio Lower Upper

156 100

77 11.1 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 189.348 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY016167.D

Acq: 01 Nov 2023 14:40

Tgt Ion: 75 Resp: 84451

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 31.4 37.4 56.0#

