

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113023\
 Data File : VY016549.D
 Acq On : 30 Nov 2023 15:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 01 00:59:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

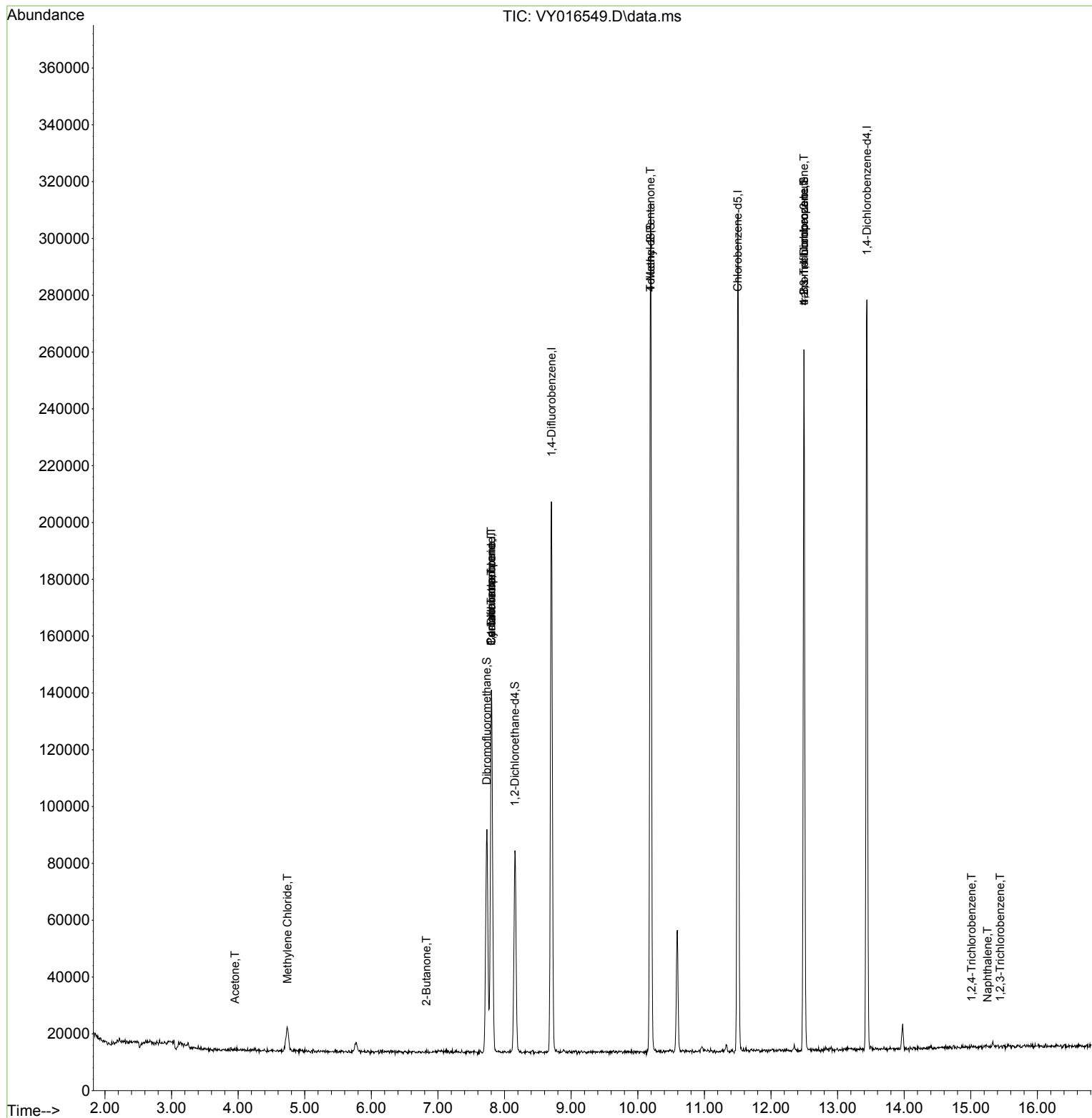
Internal Standards						
1) Pentafluorobenzene	7.801	168	107478	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.704	114	181882	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	173173	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	75620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	56898	67.008	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.020%	
35) Dibromofluoromethane	7.734	113	57070	53.462	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.920%	
50) Toluene-d8	10.191	98	209180	50.523	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.040%	
62) 4-Bromofluorobenzene	12.496	95	70534	54.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	279	6.826	ug/l #	46
20) Methylene Chloride	4.741	84	7018	4.628	ug/l #	73
25) 2-Butanone	6.826	43	272	1.187	ug/l #	49
31) Cyclohexane	7.801	56	1657	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	6804	4.316	ug/l #	51
38) Carbon Tetrachloride	7.801	117	10214	5.521	ug/l #	15
51) 4-Methyl-2-Pentanone	10.191	43	572	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.496	75	34641	54.559	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	34641	118.991	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.013	180	128	3.502	ug/l #	58
95) Naphthalene	15.251	128	638	5.175	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.440	180	34	4.130	ug/l #	13

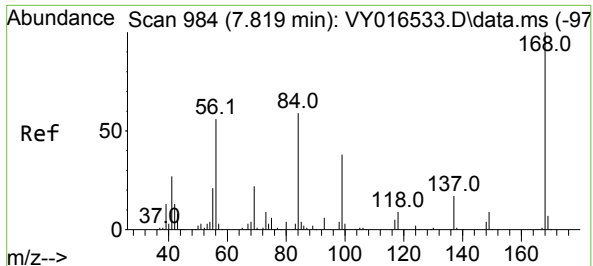
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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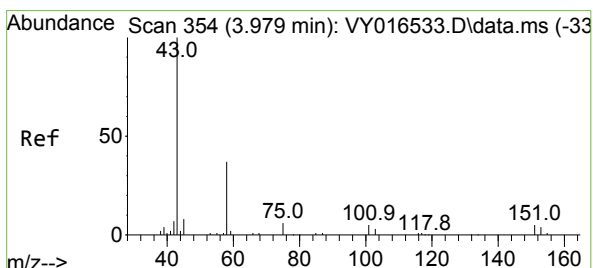
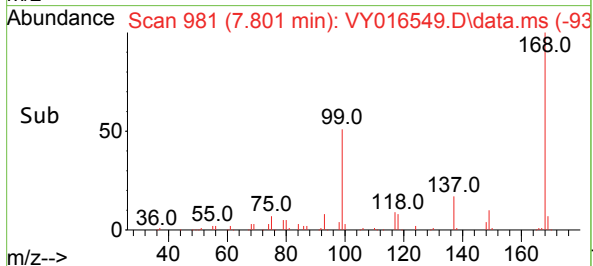
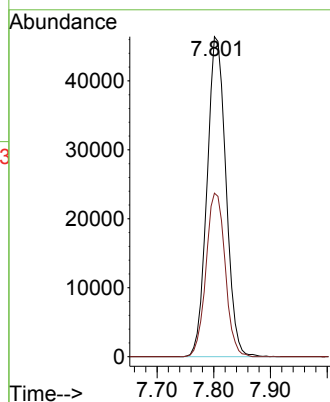
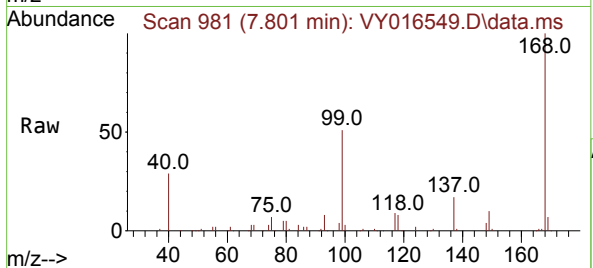




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

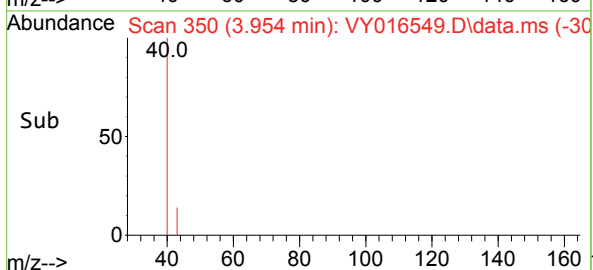
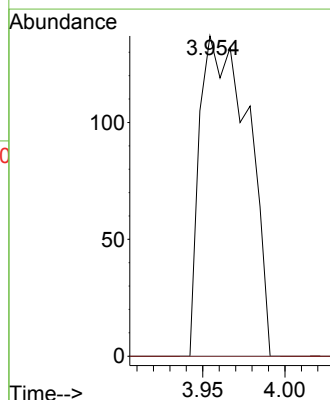
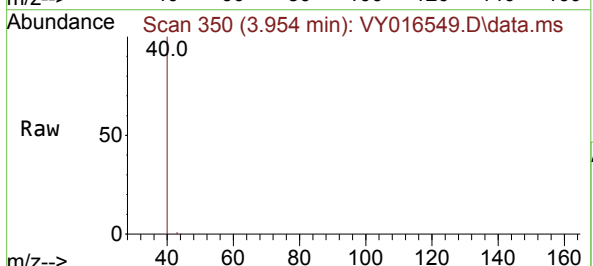
Instrument :
MSVOA_Y
ClientSampleId :

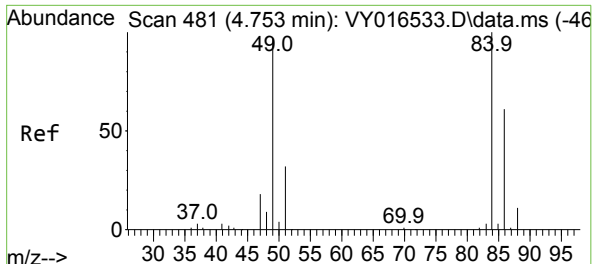
Tgt Ion:168 Resp: 107478
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.0



#16
Acetone
Concen: 6.826 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#





#20

Methylene Chloride

Concen: 4.628 ug/l

RT: 4.741 min Scan# 41

Delta R.T. -0.012 min

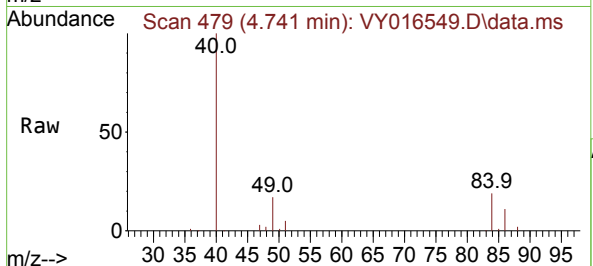
Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 7018

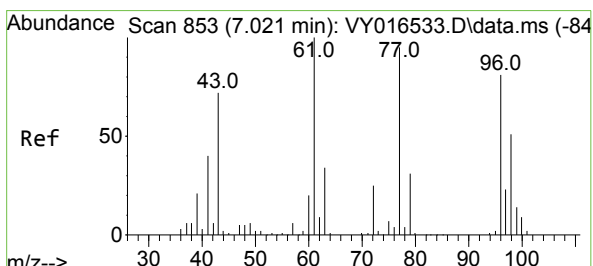
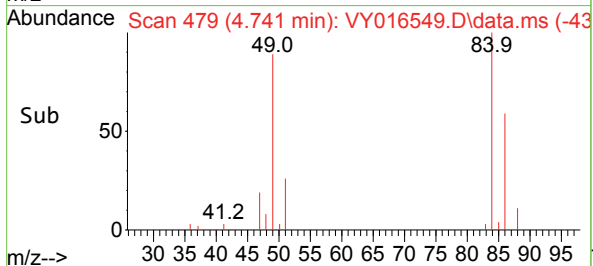
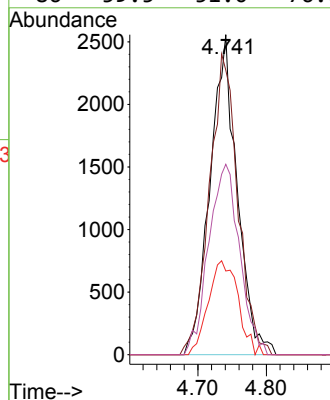
Ion Ratio Lower Upper

84 100

49 88.9 106.9 160.3#

51 26.2 33.2 49.8#

86 59.5 51.0 76.6



#25

2-Butanone

Concen: 1.187 ug/l

RT: 6.826 min Scan# 821

Delta R.T. -0.195 min

Lab File: VY016549.D

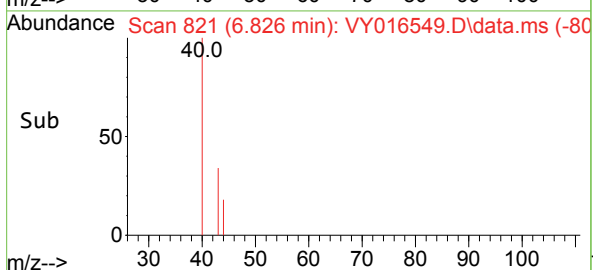
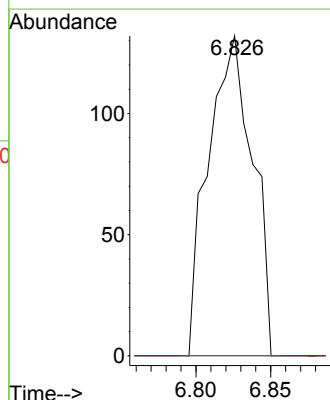
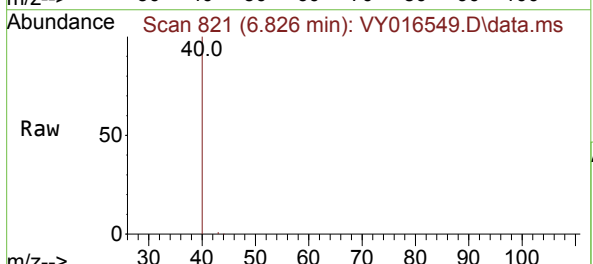
Acq: 30 Nov 2023 15:04

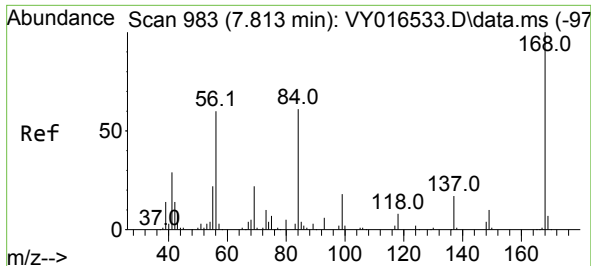
Tgt Ion: 43 Resp: 272

Ion Ratio Lower Upper

43 100

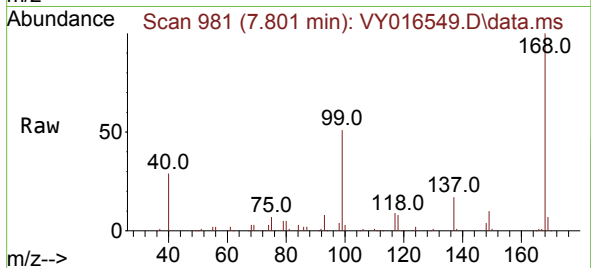
72 0.0 20.5 30.7#



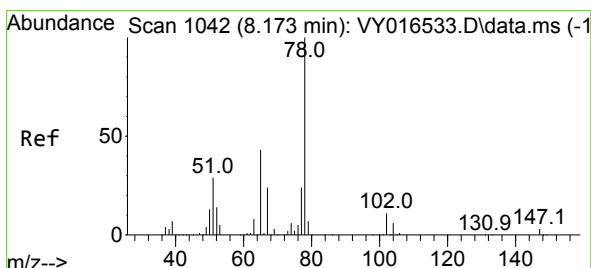
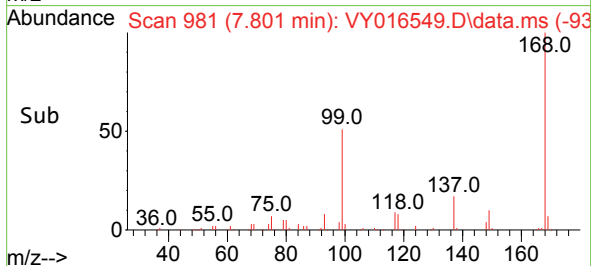
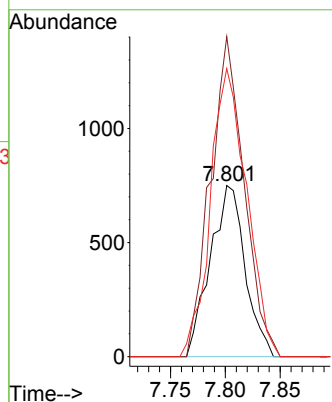


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

Instrument :
MSVOA_Y
ClientSampleId :

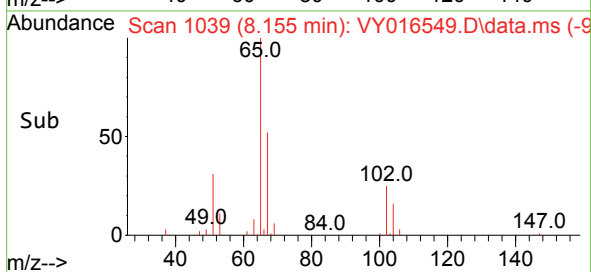
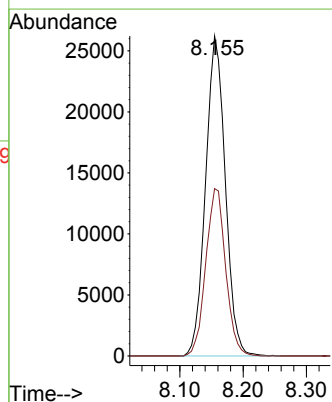
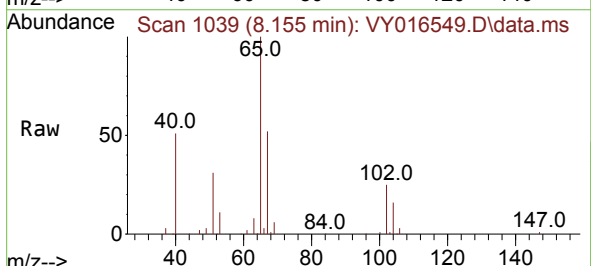


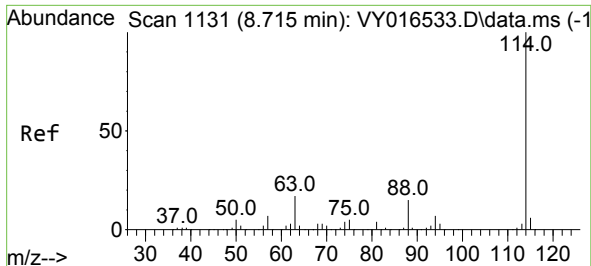
Tgt Ion: 56 Resp: 1657
Ion Ratio Lower Upper
56 100
69 186.9 27.8 41.6#
84 168.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.008 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.018 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

Tgt Ion: 65 Resp: 56898
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

Instrument :

MSVOA_Y

ClientSampleId :

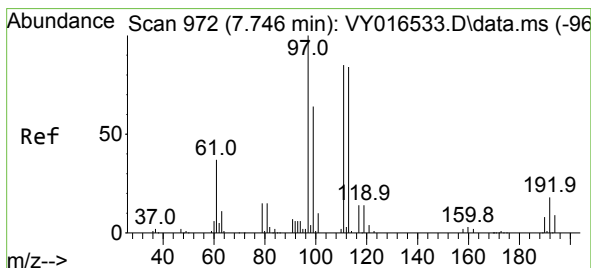
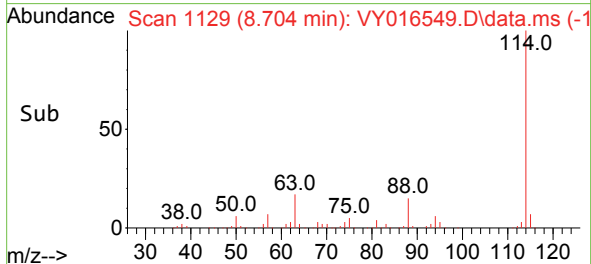
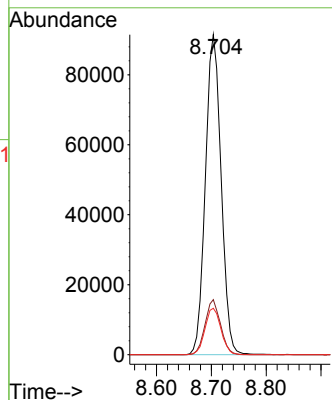
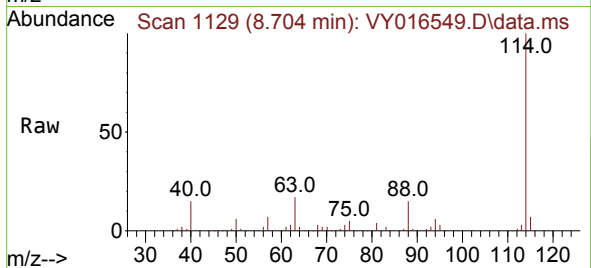
Tgt Ion:114 Resp: 181882

Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.462 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

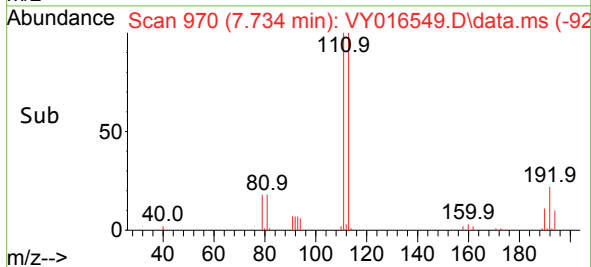
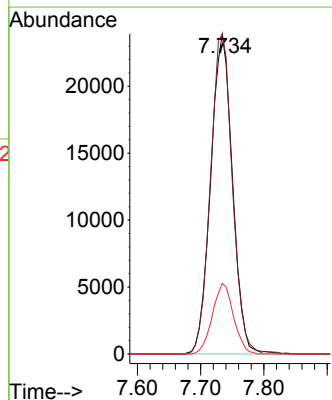
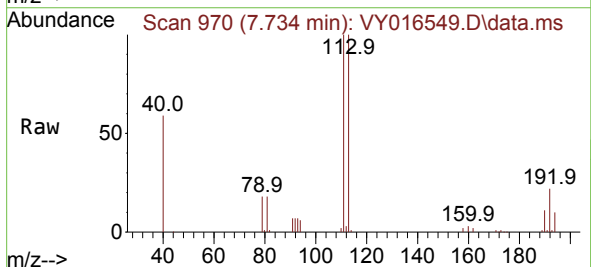
Tgt Ion:113 Resp: 57070

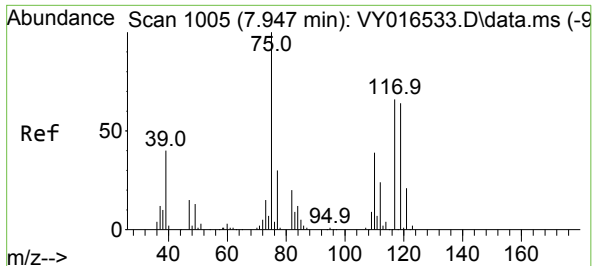
Ion Ratio Lower Upper

113 100

111 100.8 81.3 121.9

192 21.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.146 min

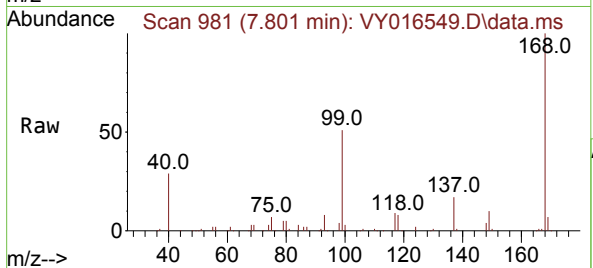
Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

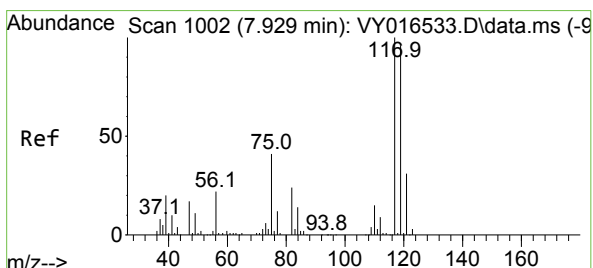
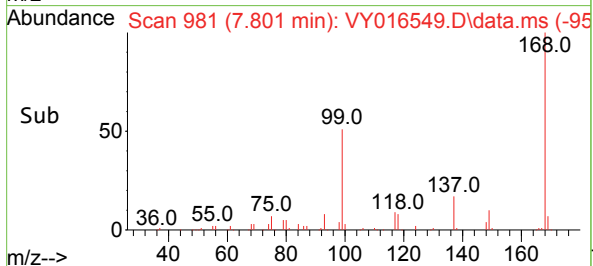
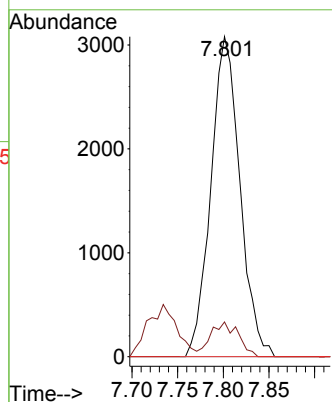
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6804
Ion Ratio	Lower Upper
75	100
110	10.3 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

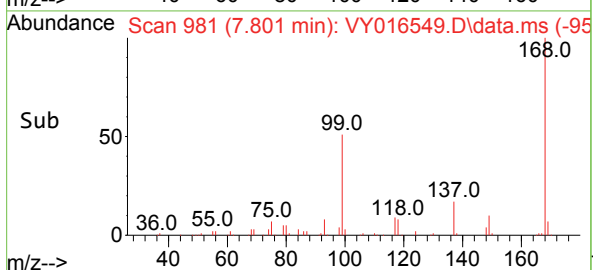
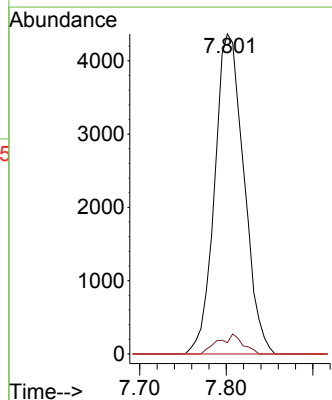
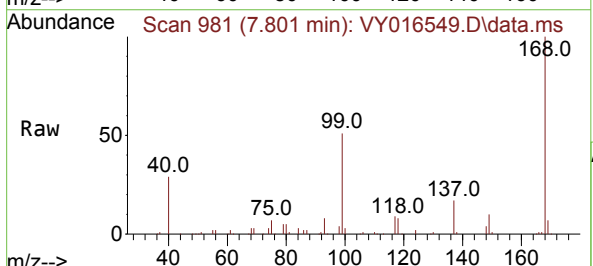
RT: 7.801 min Scan# 981

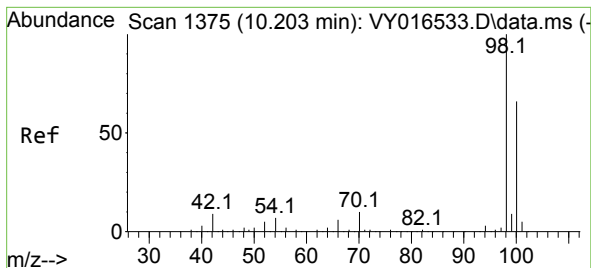
Delta R.T. -0.128 min

Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

Tgt Ion: 117	Resp: 10214
Ion Ratio	Lower Upper
117	100
119	3.6 76.4 114.6#
121	0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.523 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

Instrument :

MSVOA_Y

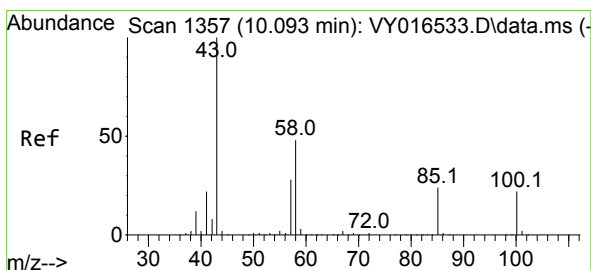
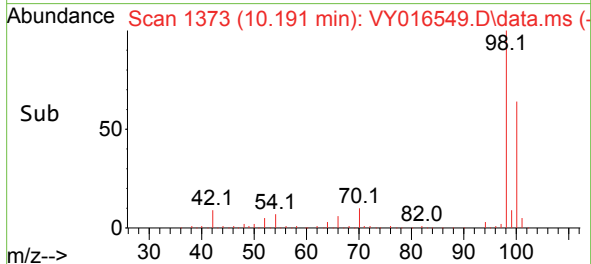
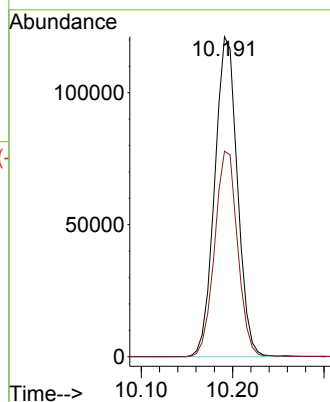
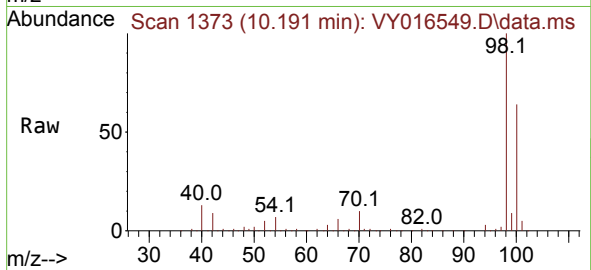
ClientSampleId :

Tgt Ion: 98 Resp: 209180

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.129 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.098 min

Lab File: VY016549.D

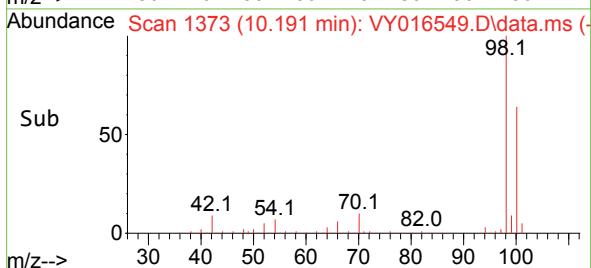
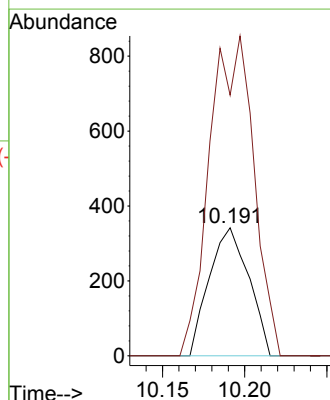
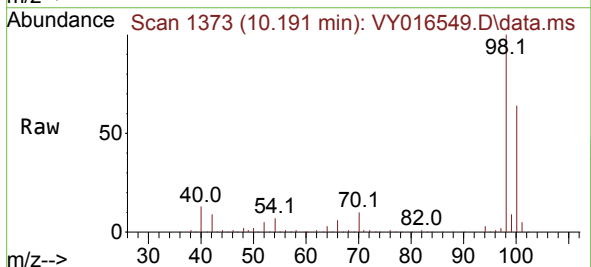
Acq: 30 Nov 2023 15:04

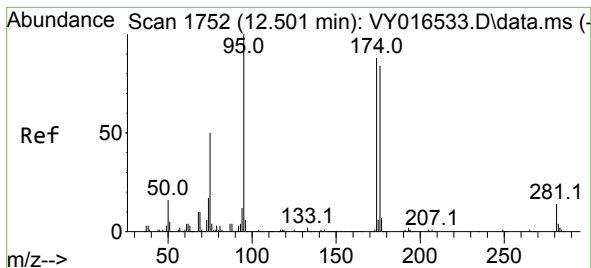
Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 278.3 29.0 43.6#

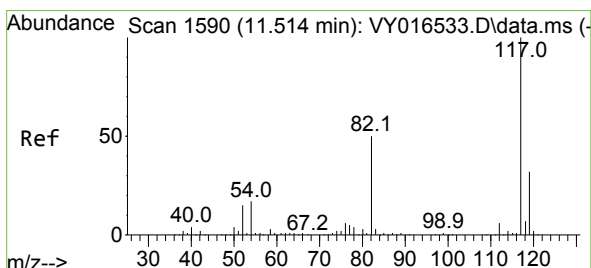
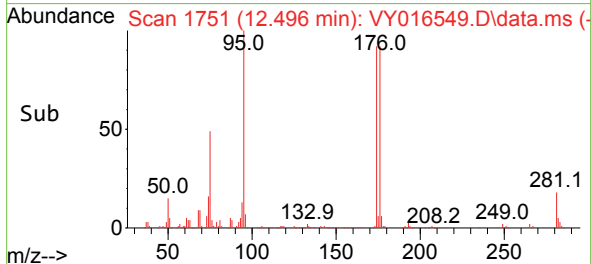
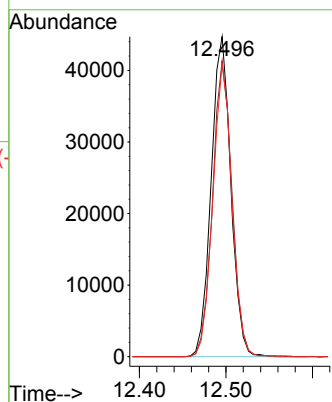
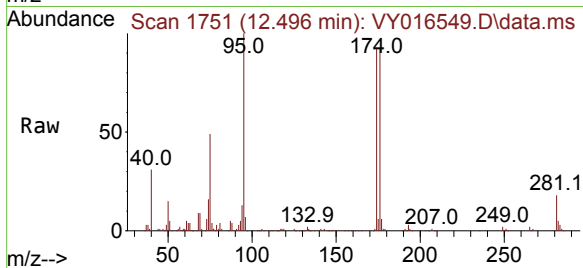




#62
4-Bromofluorobenzene
Concen: 54.306 ug/l
RT: 12.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

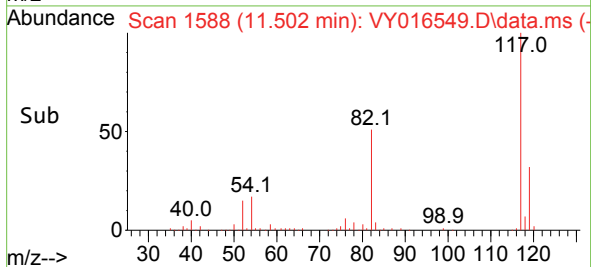
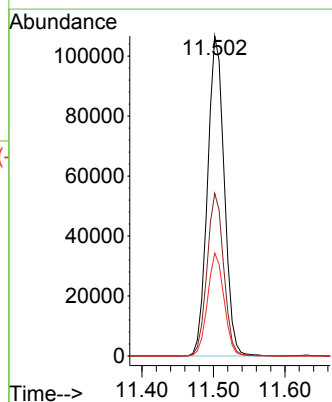
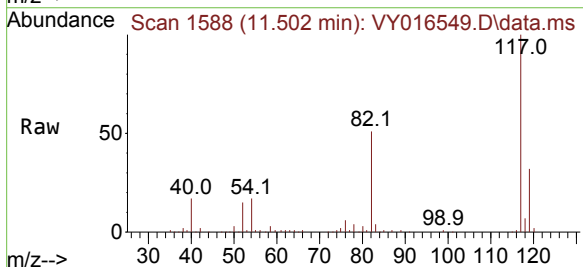
Instrument :
MSVOA_Y
ClientSampleId :

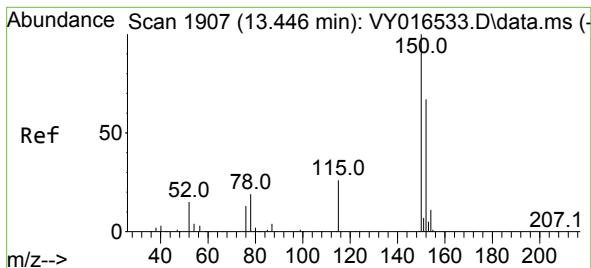
Tgt Ion: 95 Resp: 70534
Ion Ratio Lower Upper
95 100
174 91.3 0.0 178.2
176 88.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.012 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

Tgt Ion: 117 Resp: 173173
Ion Ratio Lower Upper
117 100
82 50.8 43.4 65.0
119 32.1 26.3 39.5

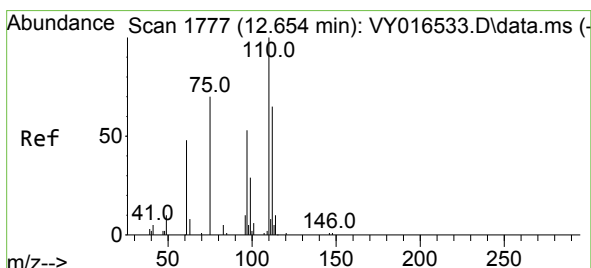
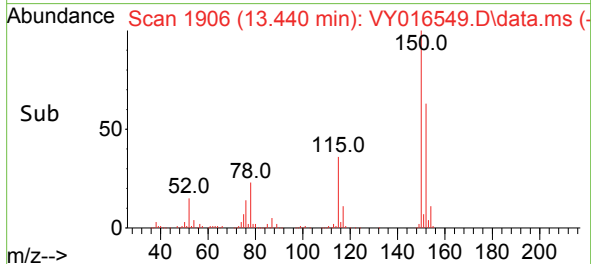
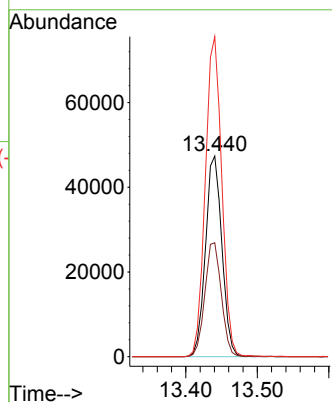
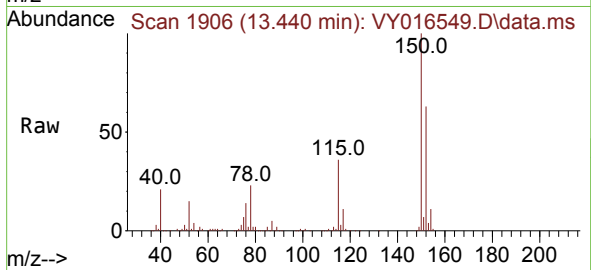




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY016549.D
 Acq: 30 Nov 2023 15:04

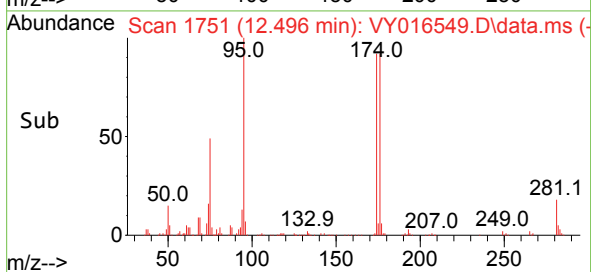
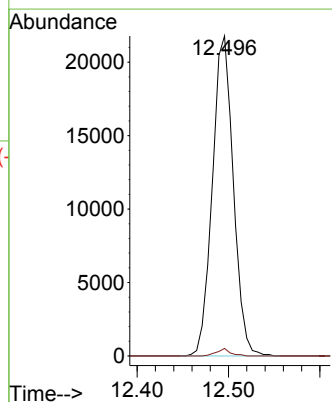
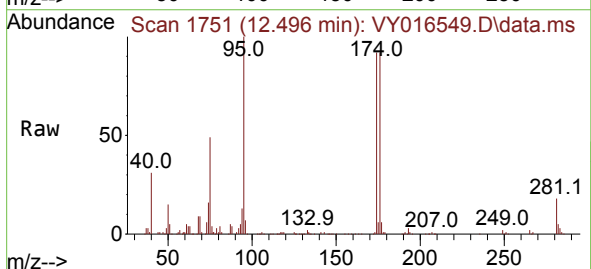
Instrument :
 MSVOA_Y
 ClientSampleId :

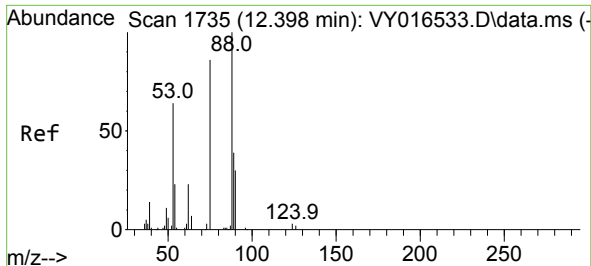
Tgt Ion:152 Resp: 75620
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.8 86.5
 150 160.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 54.559 ug/l
 RT: 12.496 min Scan# 1751
 Delta R.T. -0.158 min
 Lab File: VY016549.D
 Acq: 30 Nov 2023 15:04

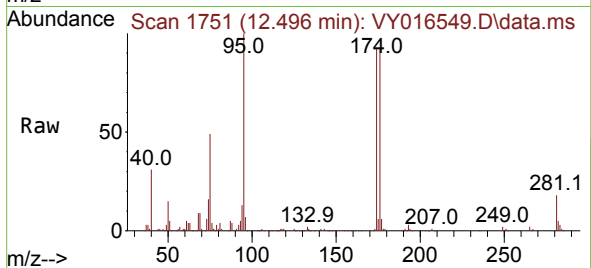
Tgt Ion: 75 Resp: 34641
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



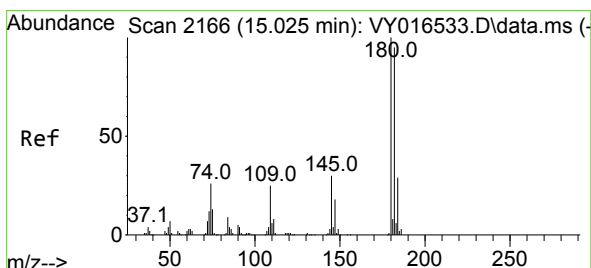
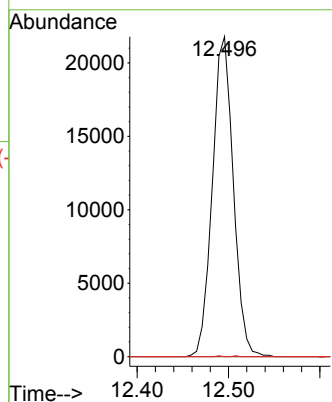
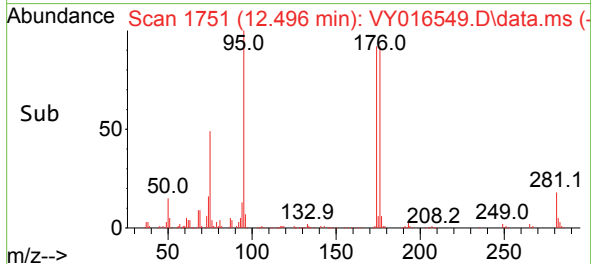


#81
trans-1,4-Dichloro-2-butene
Concen: 118.991 ug/l
RT: 12.496 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

Instrument :
MSVOA_Y
ClientSampleId :

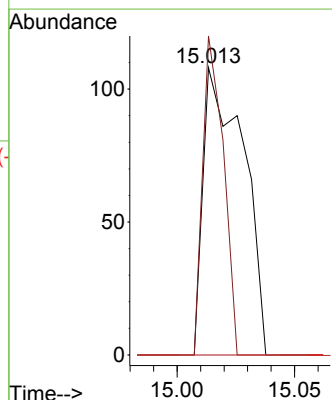
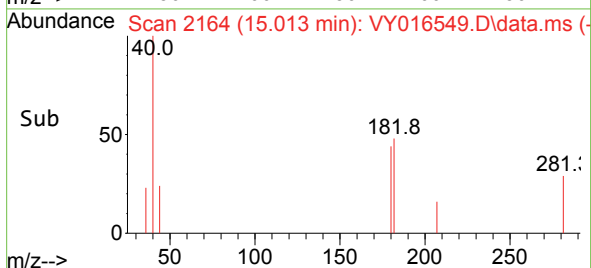
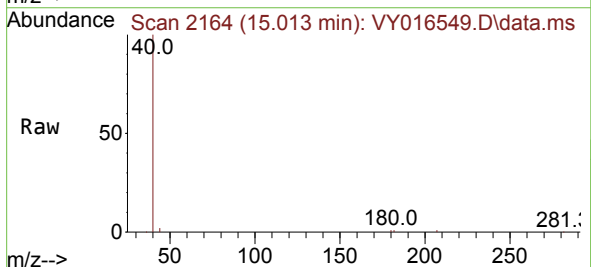


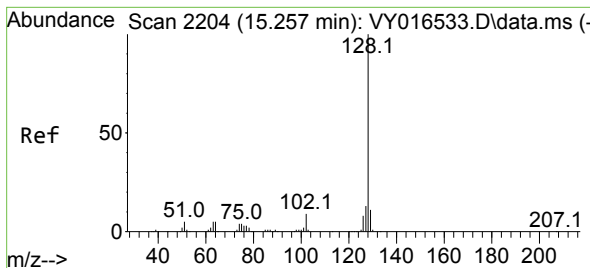
Tgt Ion: 75 Resp: 34641
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 3.502 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. -0.012 min
Lab File: VY016549.D
Acq: 30 Nov 2023 15:04

Tgt Ion:180 Resp: 128
Ion Ratio Lower Upper
180 100
182 57.8 47.0 141.2
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 5.175 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

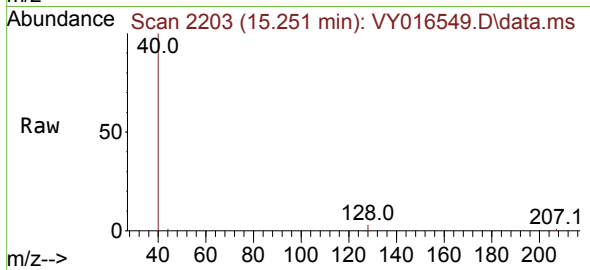
Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

Instrument :

MSVOA_Y

ClientSampleId :



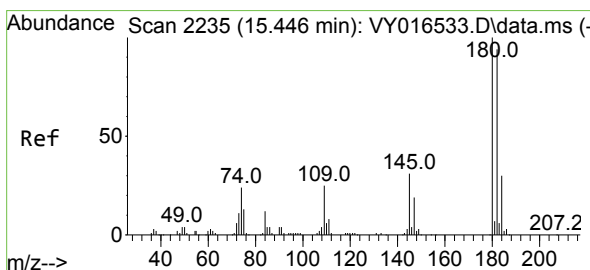
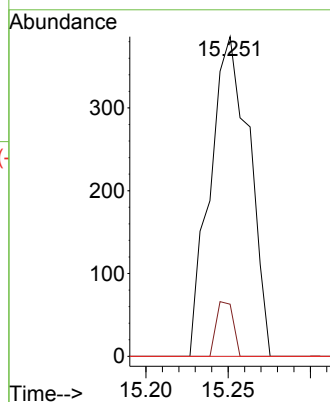
Tgt Ion:128 Resp: 638

Ion Ratio Lower Upper

128 100

127 7.4 10.8 16.2#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 4.130 ug/l

RT: 15.440 min Scan# 2234

Delta R.T. -0.006 min

Lab File: VY016549.D

Acq: 30 Nov 2023 15:04

Tgt Ion:180 Resp: 34

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 0.0 15.4 46.2#

