

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113023\
 Data File : VY016548.D
 Acq On : 30 Nov 2023 14:39
 Operator : SY/MD
 Sample : 05588-02
 Misc : 21.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 01 00:59:06 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)

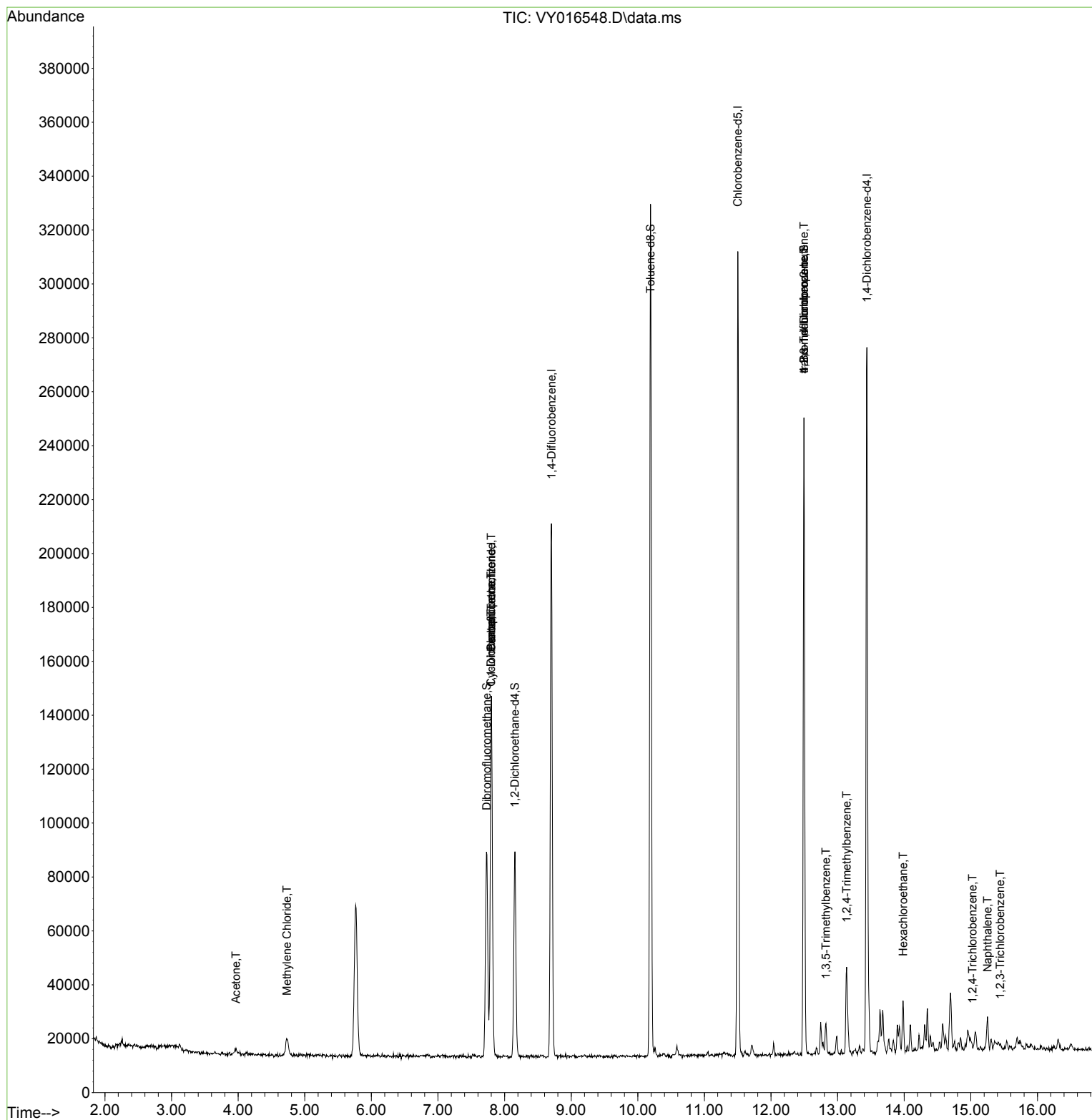
Internal Standards						
1) Pentafluorobenzene	7.801	168	108270	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.703	114	184130	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	175622	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	74043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	60433	70.650	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.300%	
35) Dibromofluoromethane	7.734	113	55833	51.665	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.320%	
50) Toluene-d8	10.191	98	214660	51.214	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.495	95	70961	53.968	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.940%	
Target Compounds						Qvalue
16) Acetone	3.966	43	3137	22.511	ug/l	92
20) Methylene Chloride	4.735	84	5687	3.167	ug/l #	81
31) Cyclohexane	7.795	56	1932	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7146	4.478	ug/l #	51
38) Carbon Tetrachloride	7.801	117	10263	5.479	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	35641	57.330	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	5004	1.109	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.495	75	35641	125.034	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.136	105	20825	4.739	ug/l	91
90) Hexachloroethane	13.983	117	971	1.022	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.025	180	282	3.616	ug/l #	13
95) Naphthalene	15.251	128	10225	8.963	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	206	4.282	ug/l #	23

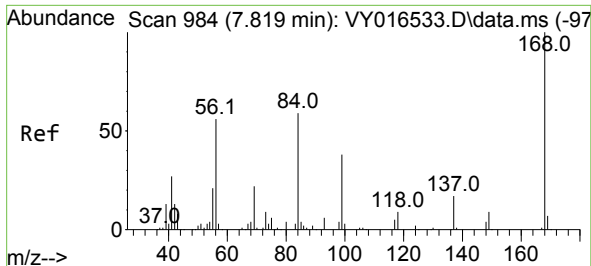
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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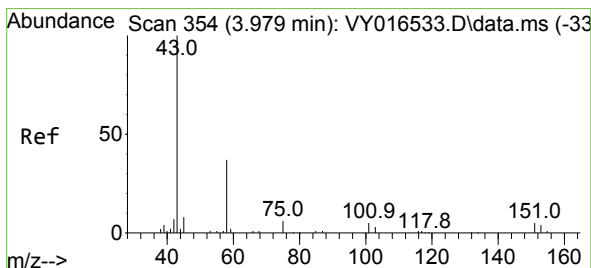
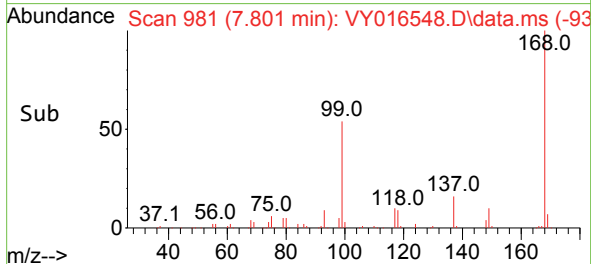
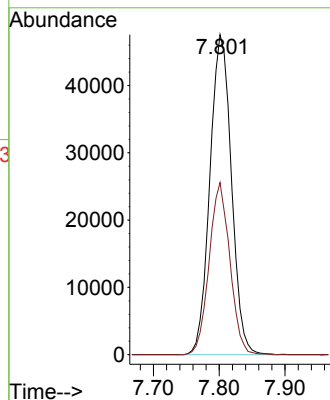
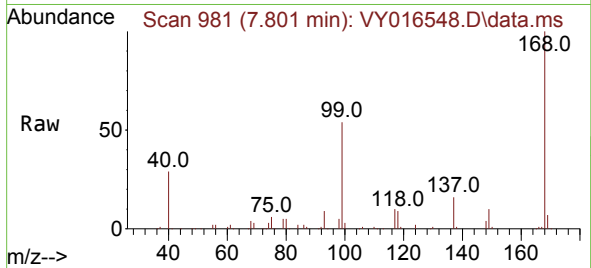




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

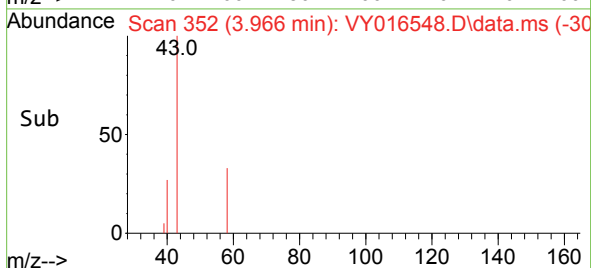
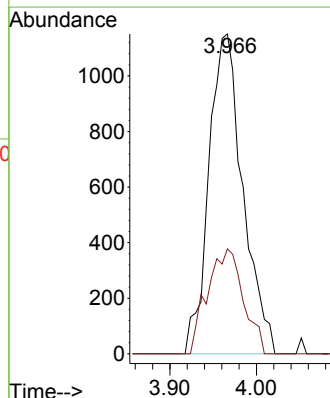
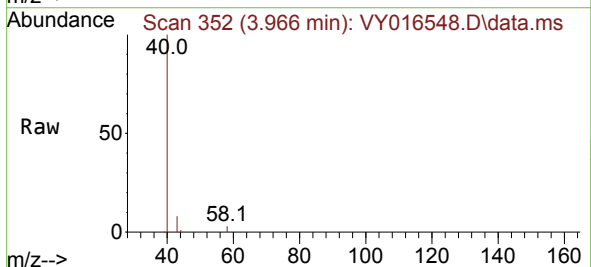
Instrument :
MSVOA_Y
ClientSampleId :

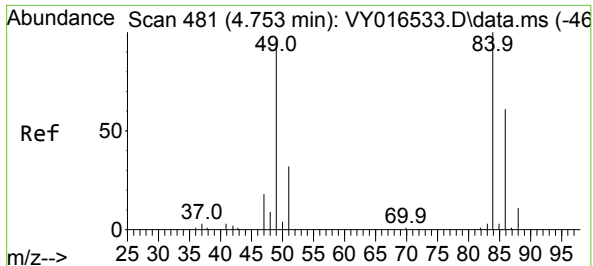
Tgt Ion:168 Resp: 108270
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#16
Acetone
Concen: 22.511 ug/l
RT: 3.966 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

Tgt Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1

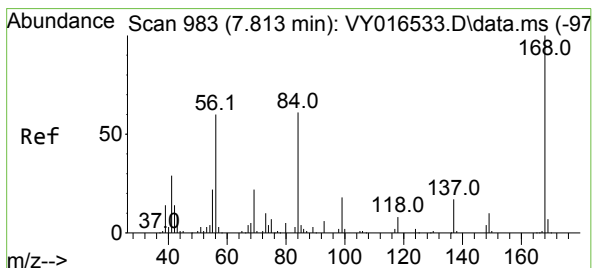
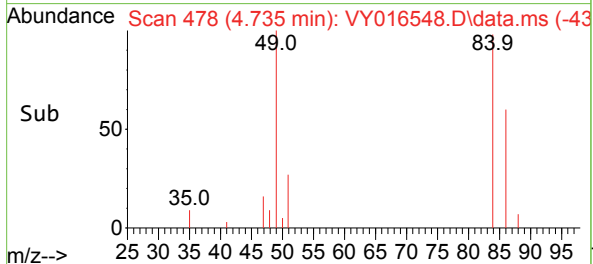
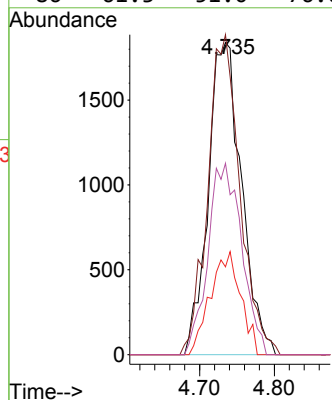
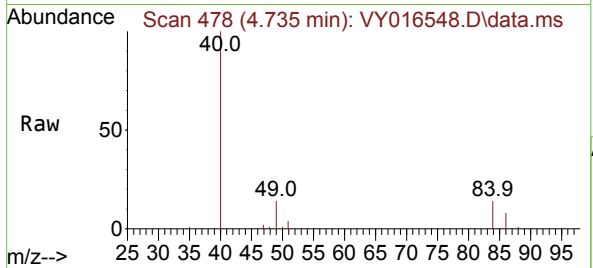




#20
Methylene Chloride
Concen: 3.167 ug/l
RT: 4.735 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

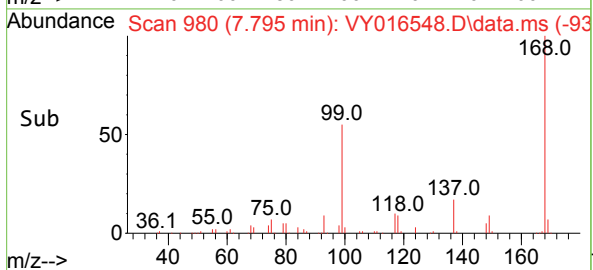
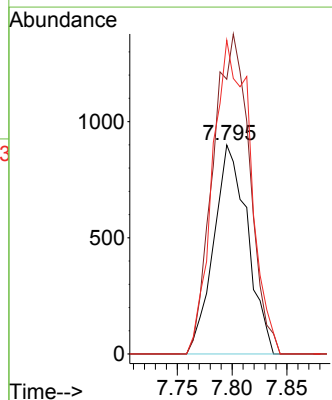
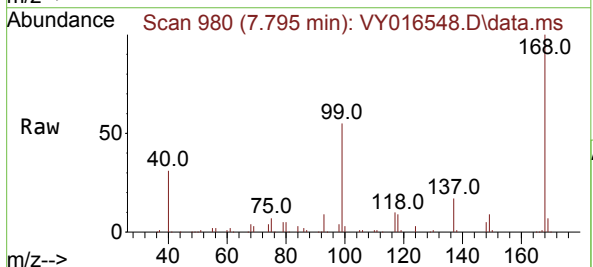
Instrument :
MSVOA_Y
ClientSampleId :

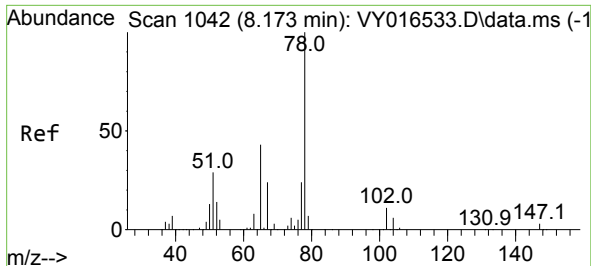
Tgt Ion: 84 Resp: 5687
Ion Ratio Lower Upper
84 100
49 102.5 106.9 160.3#
51 28.1 33.2 49.8#
86 61.3 51.0 76.6



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.018 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

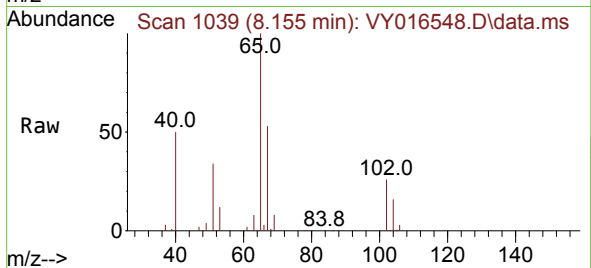
Tgt Ion: 56 Resp: 1932
Ion Ratio Lower Upper
56 100
69 131.5 27.8 41.6#
84 150.2 66.4 99.6#



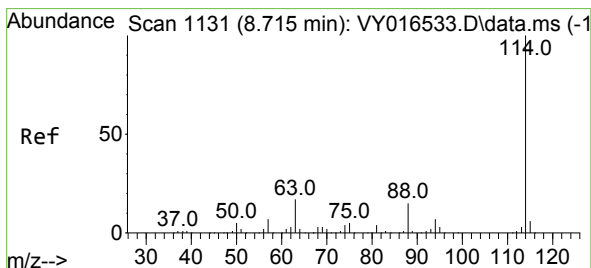
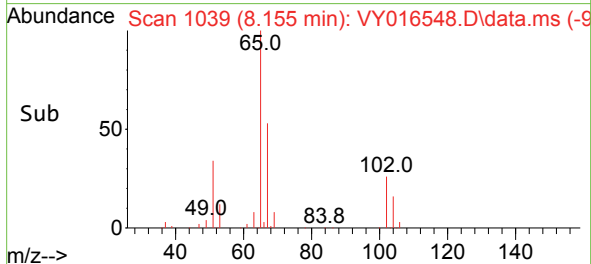
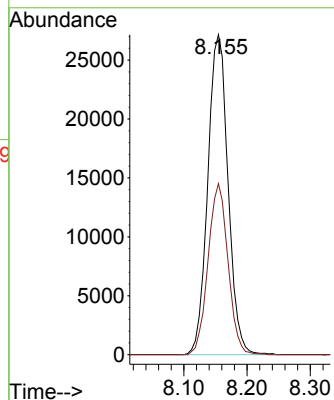


#33
 1,2-Dichloroethane-d4
 Concen: 70.650 ug/l
 RT: 8.155 min Scan# 1109
 Delta R.T. -0.018 min
 Lab File: VY016548.D
 Acq: 30 Nov 2023 14:39

Instrument :
 MSVOA_Y
 ClientSampleId :

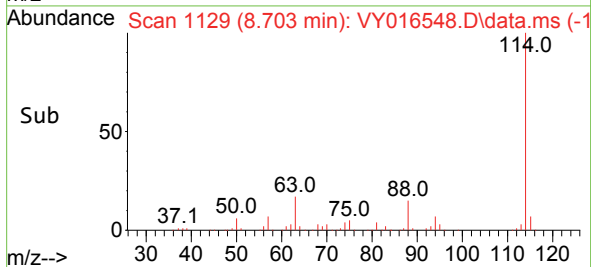
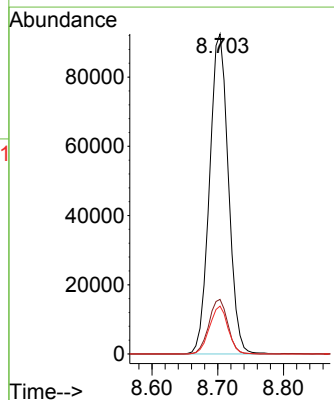
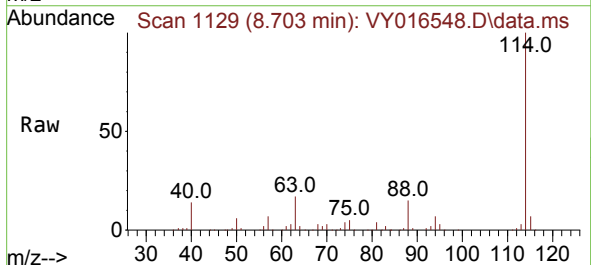


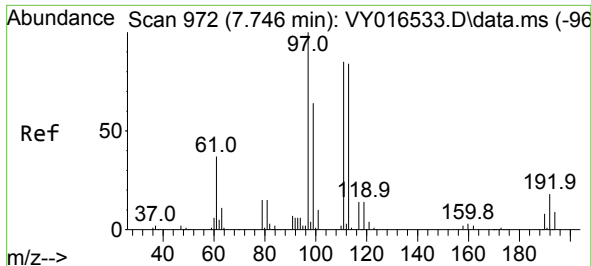
Tgt Ion: 65 Resp: 60433
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. -0.012 min
 Lab File: VY016548.D
 Acq: 30 Nov 2023 14:39

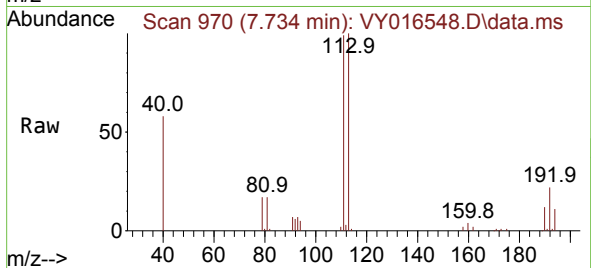
Tgt Ion: 114 Resp: 184130
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 42.4
 88 15.0 0.0 30.6



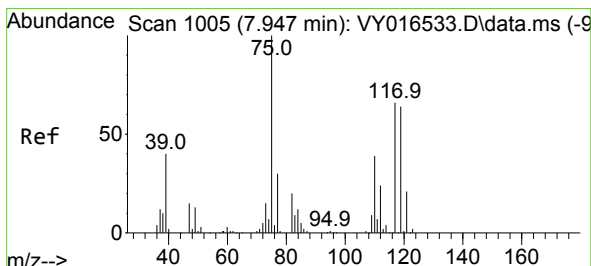
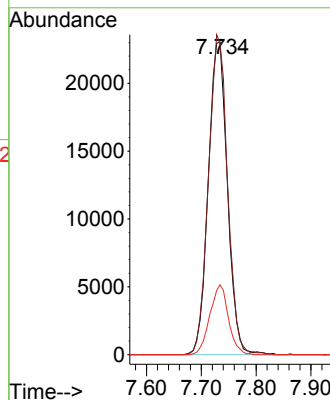
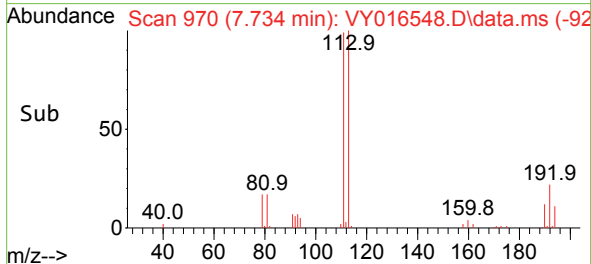


#35
Dibromofluoromethane
Concen: 51.665 ug/l
RT: 7.734 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

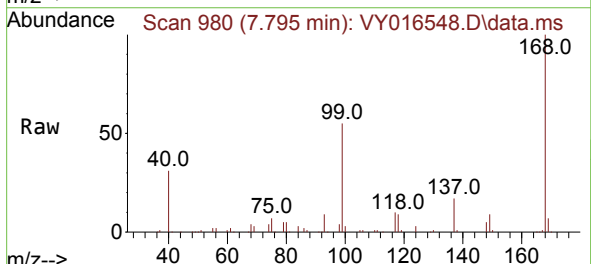
Instrument :
MSVOA_Y
ClientSampleId :



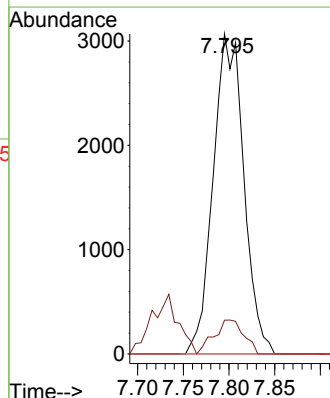
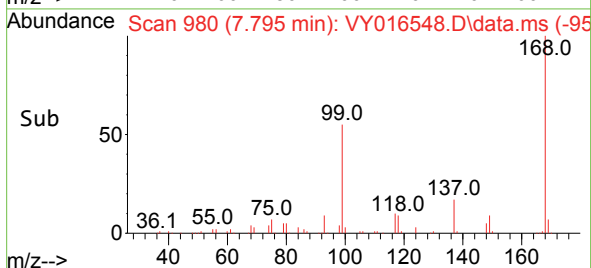
Tgt Ion:113 Resp: 55833
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 21.7 16.9 25.3

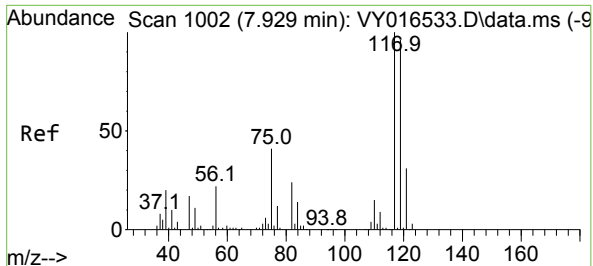


#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.152 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39



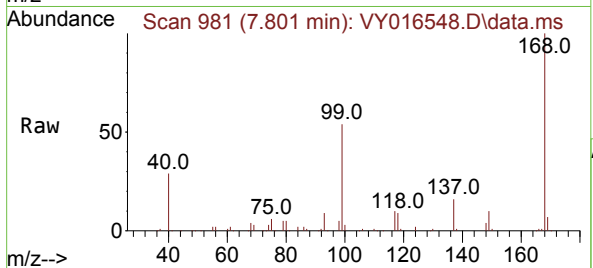
Tgt Ion: 75 Resp: 7146
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



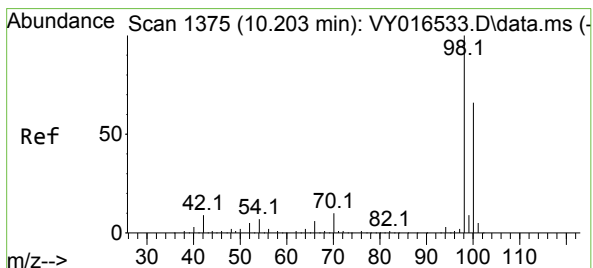
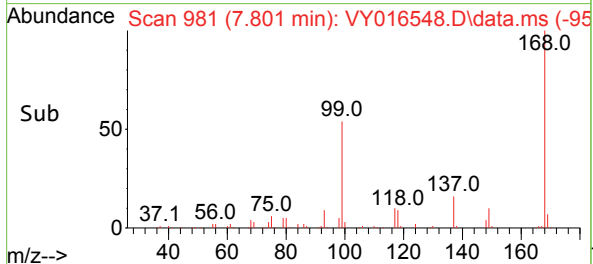
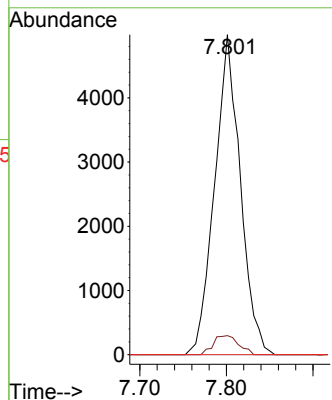


#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

Instrument :
MSVOA_Y
ClientSampleId :

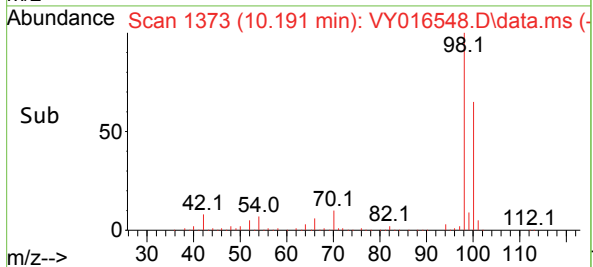
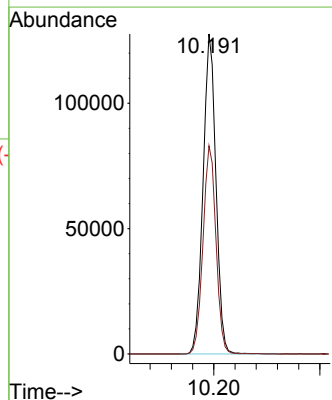
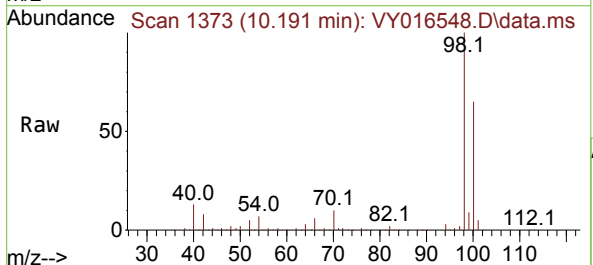


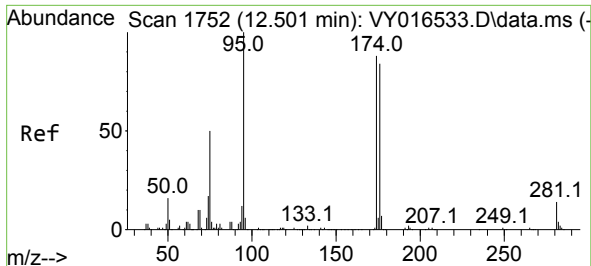
Tgt Ion:117 Resp: 10263
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.214 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.012 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

Tgt Ion: 98 Resp: 214660
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

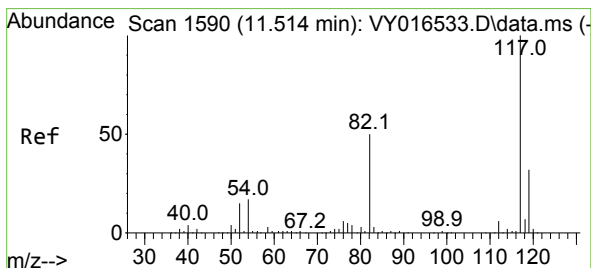
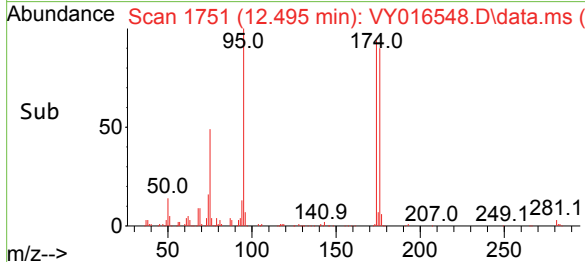
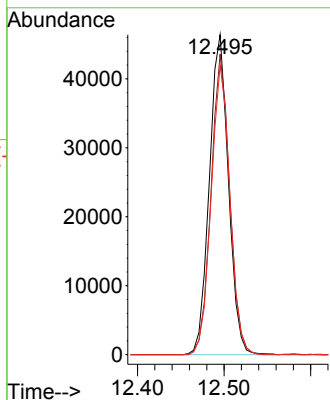
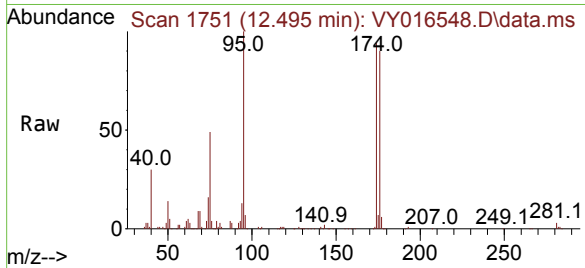




#62
4-Bromofluorobenzene
Concen: 53.968 ug/l
RT: 12.495 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

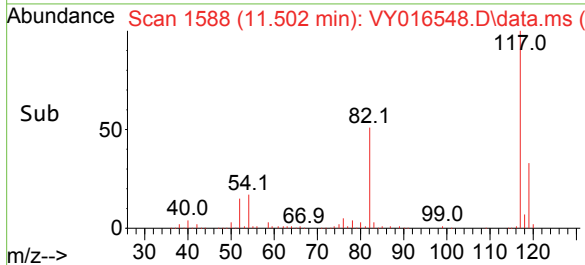
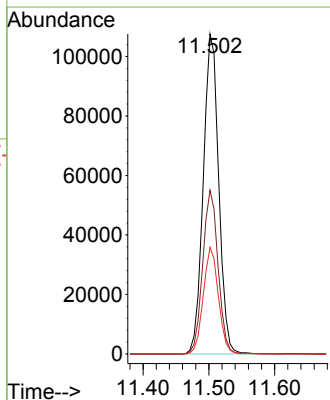
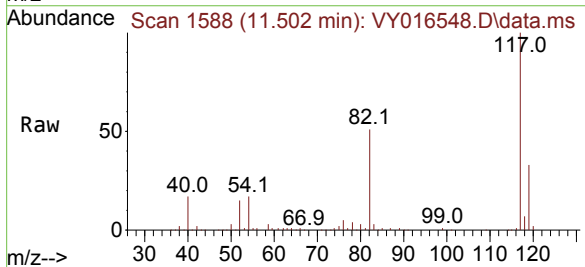
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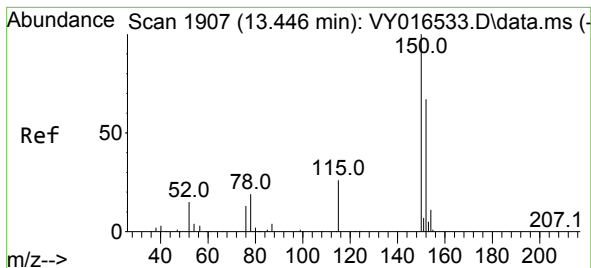
Tgt Ion: 95 Resp: 70961
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 89.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.012 min
Lab File: VY016548.D
Acq: 30 Nov 2023 14:39

Tgt Ion: 117 Resp: 175622
Ion Ratio Lower Upper
117 100
82 51.1 43.4 65.0
119 33.3 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: VY016548.D

Acq: 30 Nov 2023 14:39

Instrument :

MSVOA_Y

ClientSampleId :

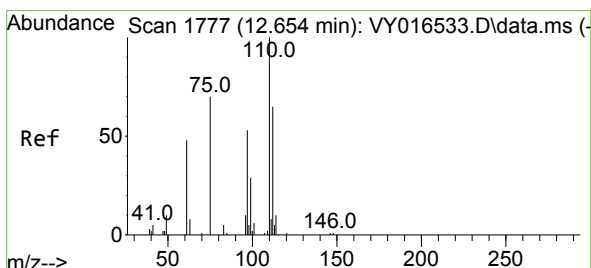
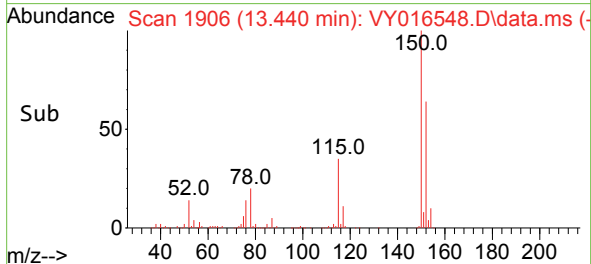
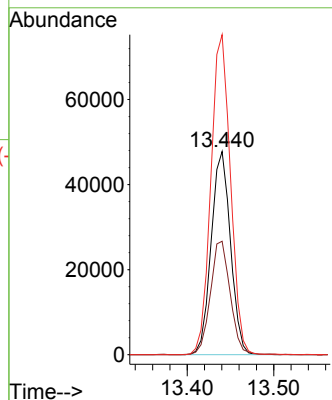
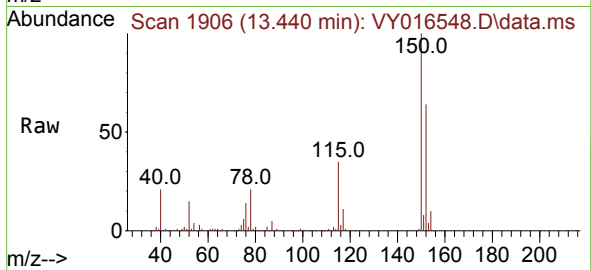
Tgt Ion:152 Resp: 74043

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 159.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 57.330 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.158 min

Lab File: VY016548.D

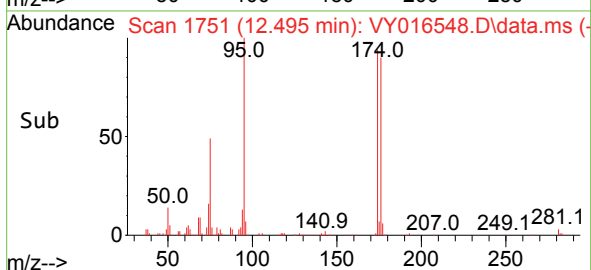
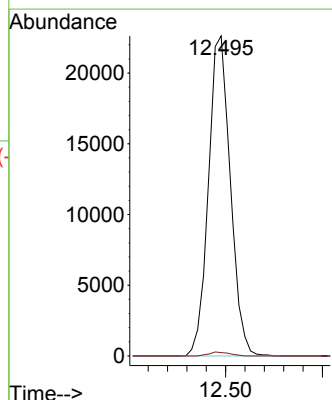
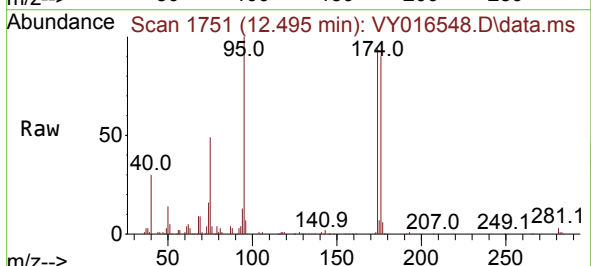
Acq: 30 Nov 2023 14:39

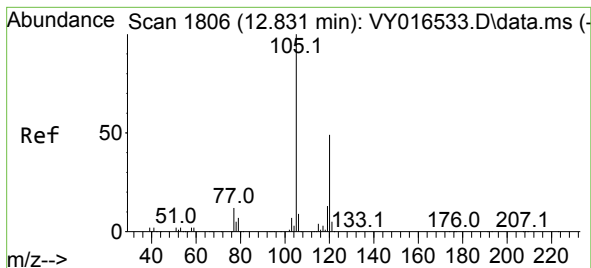
Tgt Ion: 75 Resp: 35641

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.109 ug/l

RT: 12.825 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016548.D

Acq: 30 Nov 2023 14:39

Instrument :

MSVOA_Y

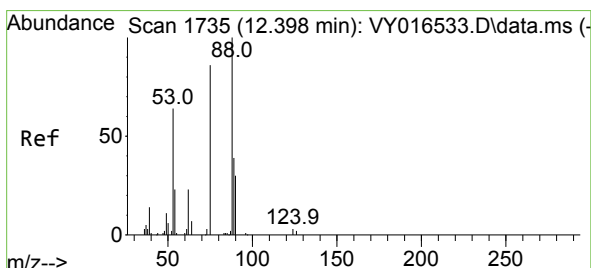
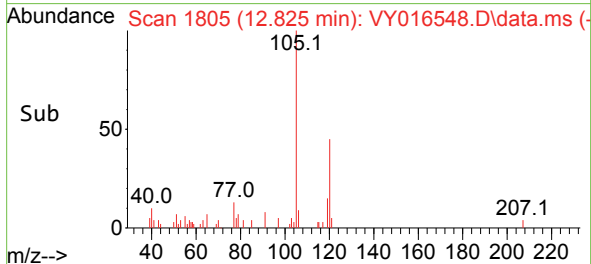
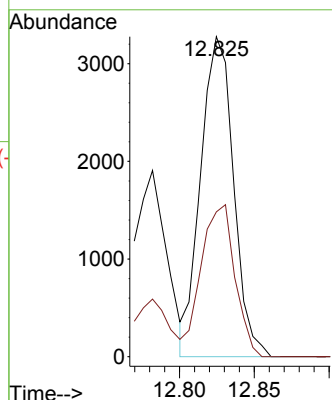
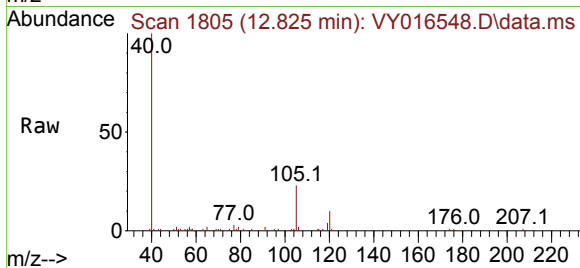
ClientSampleId :

Tgt Ion:105 Resp: 5004

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 125.034 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.098 min

Lab File: VY016548.D

Acq: 30 Nov 2023 14:39

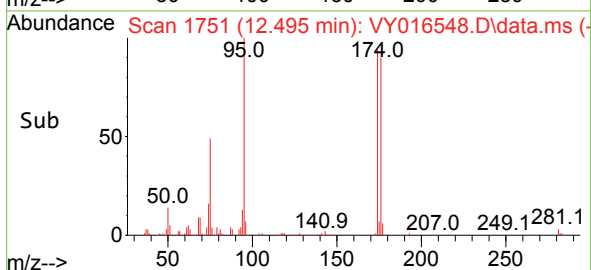
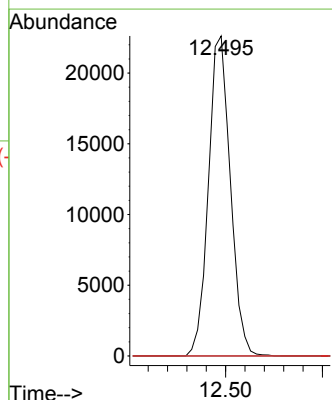
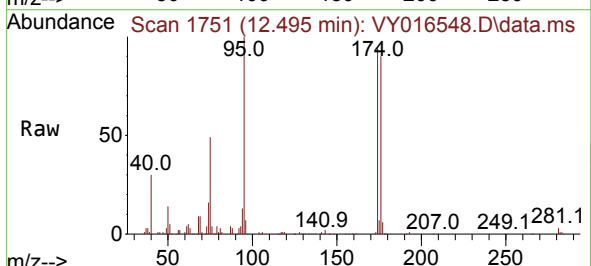
Tgt Ion: 75 Resp: 35641

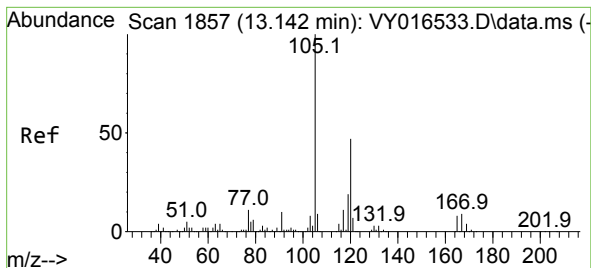
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 4.739 ug/l

RT: 13.136 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016548.D

Acq: 30 Nov 2023 14:39

Instrument :

MSVOA_Y

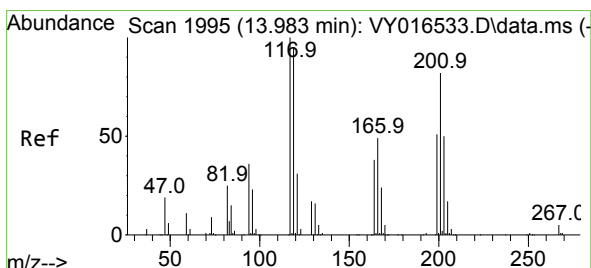
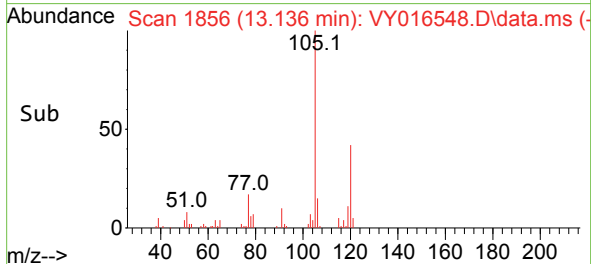
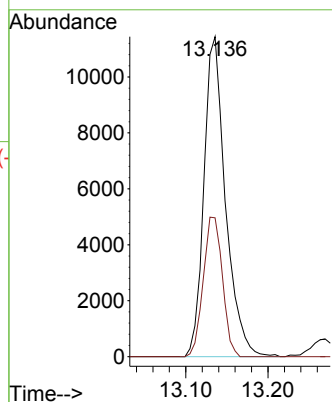
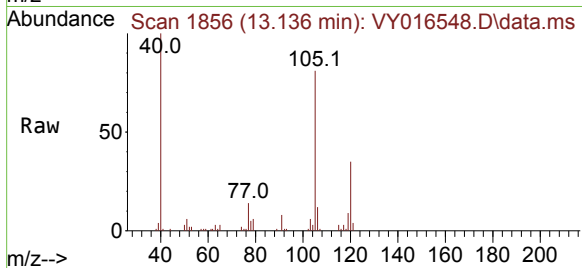
ClientSampleId :

Tgt Ion:105 Resp: 20825

Ion Ratio Lower Upper

105 100

120 38.8 22.2 66.6



#90

Hexachloroethane

Concen: 1.022 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.000 min

Lab File: VY016548.D

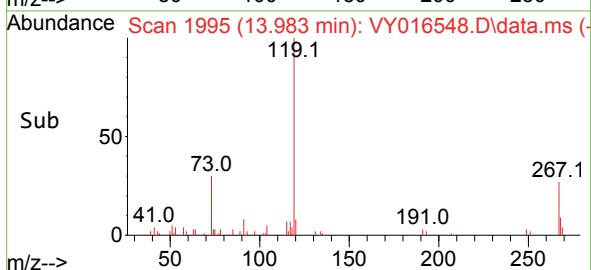
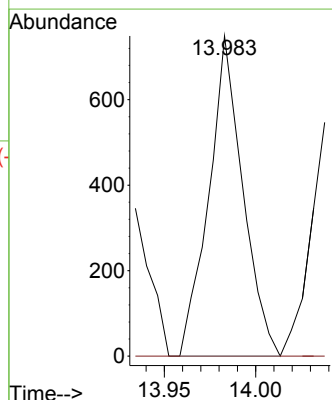
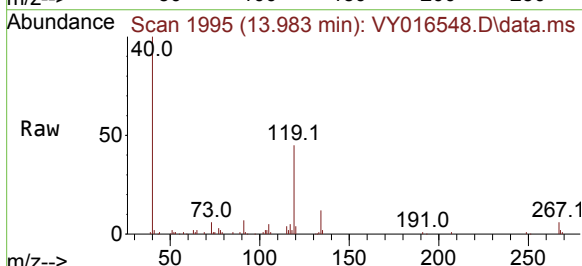
Acq: 30 Nov 2023 14:39

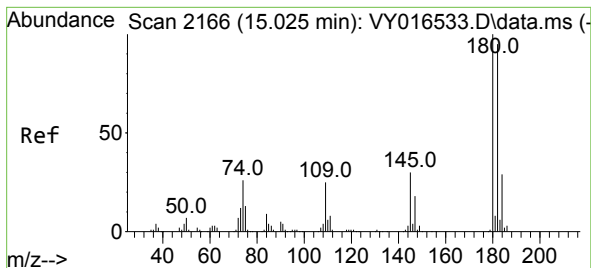
Tgt Ion:117 Resp: 971

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#





#93

1,2,4-Trichlorobenzene

Concen: 3.616 ug/l

RT: 15.025 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VY016548.D

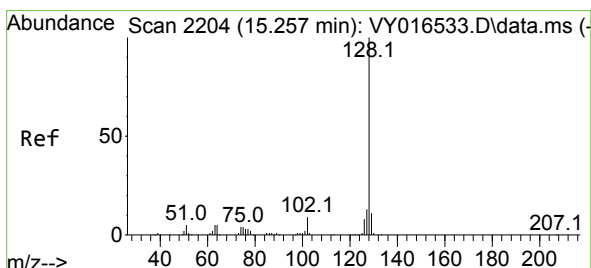
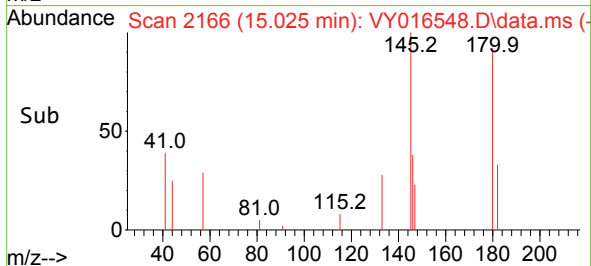
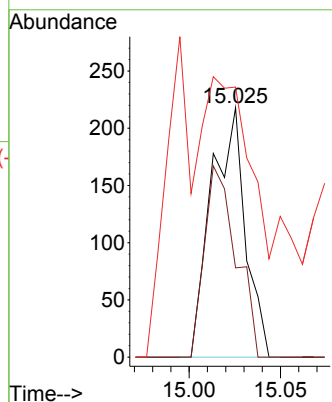
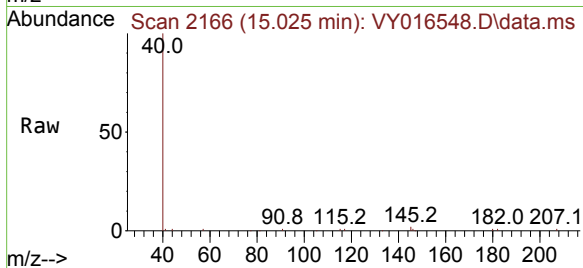
Acq: 30 Nov 2023 14:39

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	282
Ion Ratio	Lower	Upper
180	100	
182	71.6	47.0 141.2
145	186.5	14.5 43.5#



#95

Naphthalene

Concen: 8.963 ug/l

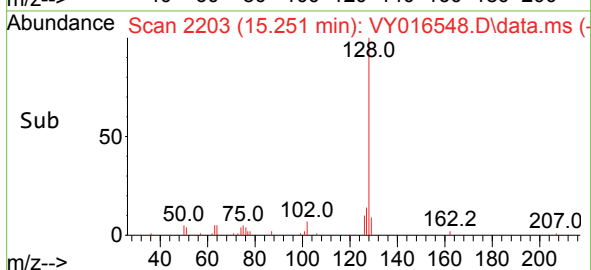
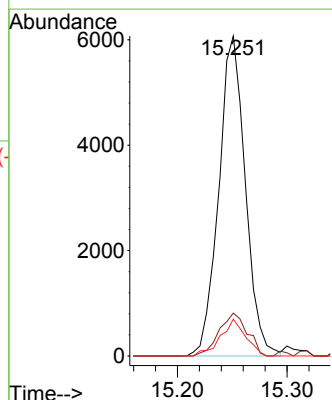
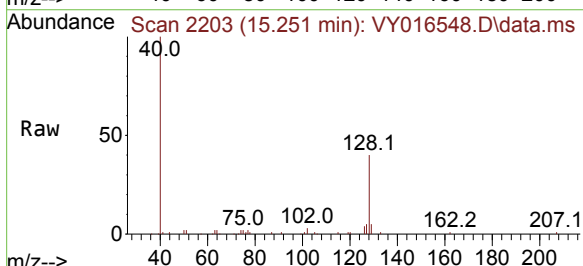
RT: 15.251 min Scan# 2203

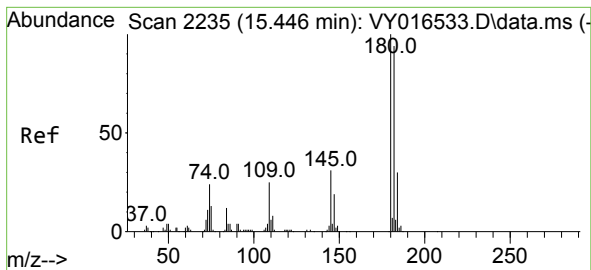
Delta R.T. -0.006 min

Lab File: VY016548.D

Acq: 30 Nov 2023 14:39

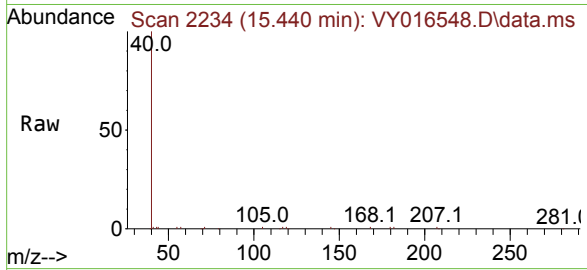
Tgt Ion:128	Resp:	10225
Ion Ratio	Lower	Upper
128	100	
127	14.2	10.8 16.2
129	10.9	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 4.282 ug/l
 RT: 15.440 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY016548.D
 Acq: 30 Nov 2023 14:39

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 206
 Ion Ratio Lower Upper
 180 100
 182 85.4 47.3 141.8
 145 186.4 15.4 46.2#

