

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019484.D
 Acq On : 10 Sep 2024 13:50
 Operator : SY/MD
 Sample : P3906-03
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 11 01:49:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

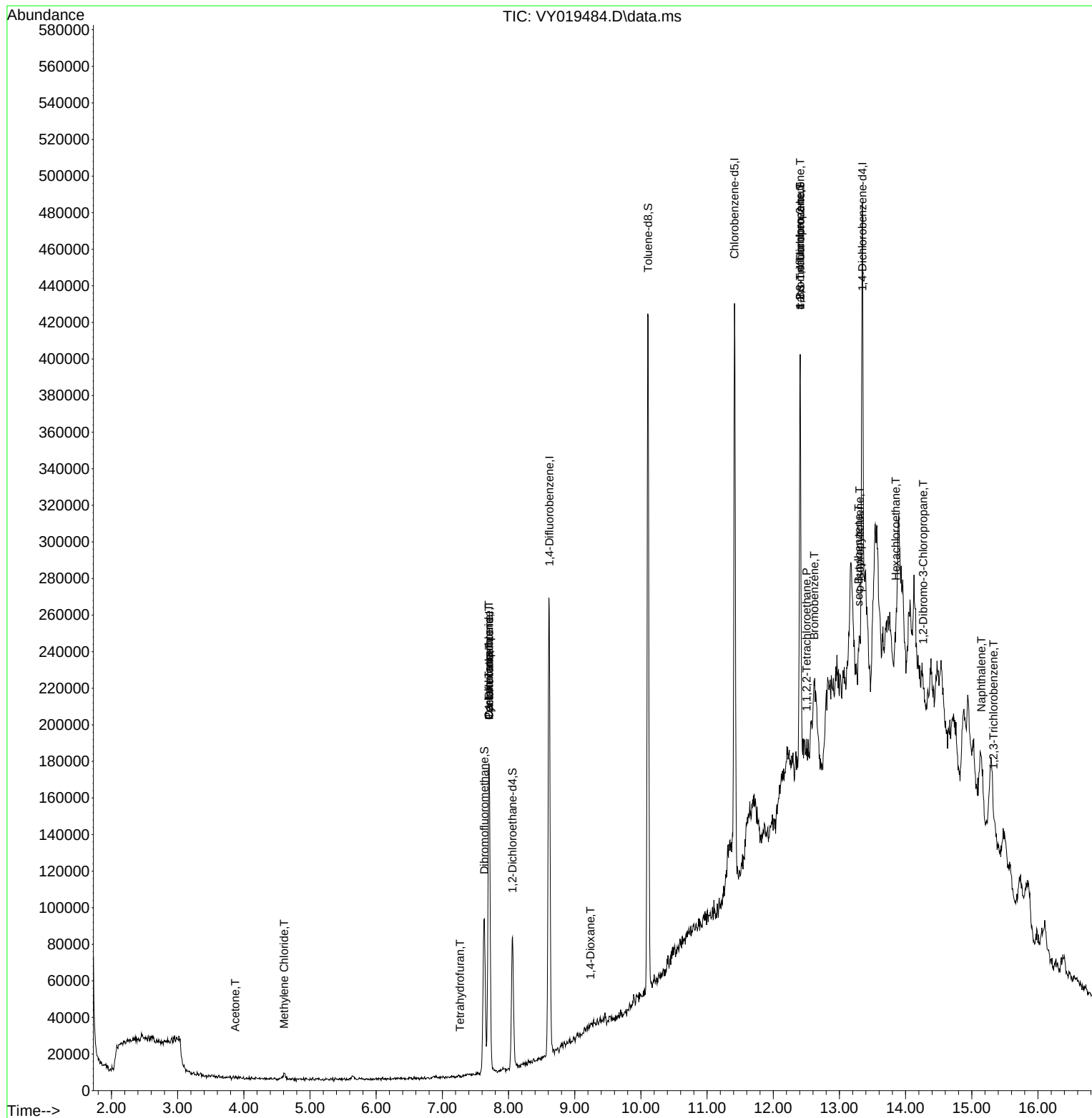
Internal Standards						
1) Pentafluorobenzene	7.707	168	130086	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	216948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	163443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	58161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	56582	46.973	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.940%
35) Dibromofluoromethane	7.634	113	62769	51.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.060%
50) Toluene-d8	10.109	98	245658	53.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.408	95	71437	40.835	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	81.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	175	Below Cal	#	43
13) Acrolein	3.665	56	193	Below Cal	#	15
16) Acetone	3.873	43	1207	4.206	ug/l #	78
20) Methylene Chloride	4.610	84	2284	1.745	ug/l #	76
29) Tetrahydrofuran	7.268	42	303	1.221	ug/l #	9
31) Cyclohexane	7.707	56	3409	1.581	ug/l #	43
36) 1,1-Dichloropropene	7.701	75	10621	6.346	ug/l #	51
38) Carbon Tetrachloride	7.701	117	13795	7.309	ug/l #	16
49) 1,4-Dioxane	9.237	88	19	2.342	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.505	83	1005	1.342	ug/l #	44
76) 1,2,3-Trichloropropane	12.408	75	36992	67.858	ug/l #	100
77) Bromobenzene	12.621	156	16181	17.291	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	36992	130.268	ug/l #	17
85) sec-Butylbenzene	13.292	105	5800	1.286	ug/l	84
86) p-Isopropyltoluene	13.304	119	4126	1.118	ug/l #	51
90) Hexachloroethane	13.852	117	2738	3.565	ug/l #	27
92) 1,2-Dibromo-3-Chloropr...	14.267	75	130	1.042	ug/l #	1
95) Naphthalene	15.145	128	2118	1.072	ug/l #	57
96) 1,2,3-Trichlorobenzene	15.328	180	862	1.021	ug/l #	45

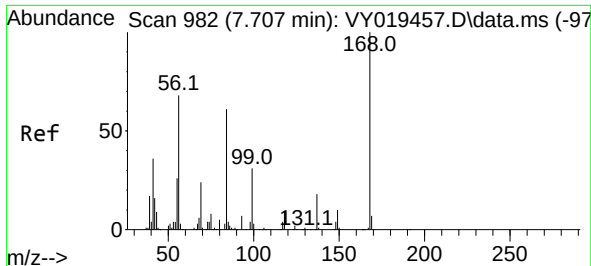
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
Data File : VY019484.D
Acq On : 10 Sep 2024 13:50
Operator : SY/MD
Sample : P3906-03
Misc : 4.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

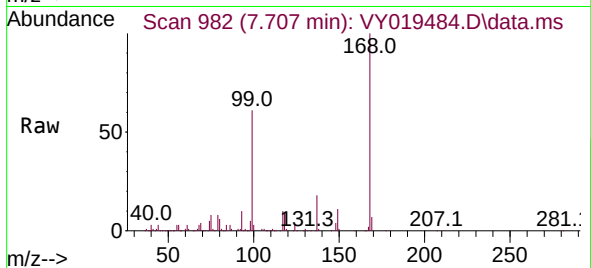
Quant Time: Sep 11 01:49:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



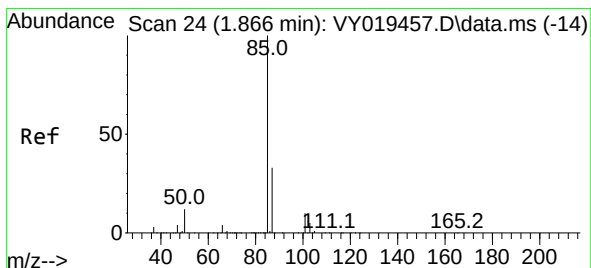
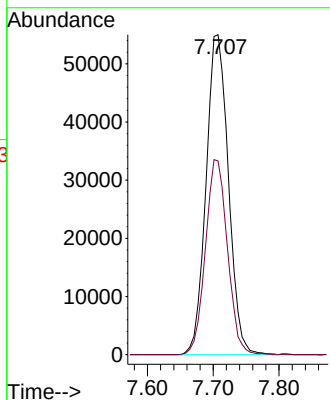
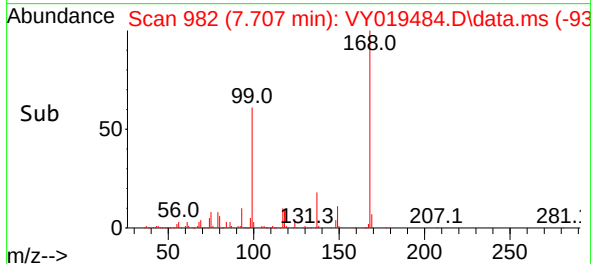


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Instrument :
MSVOA_Y
ClientSampleId :

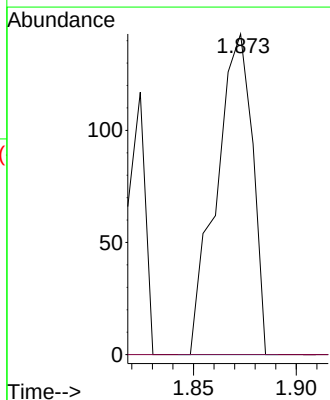
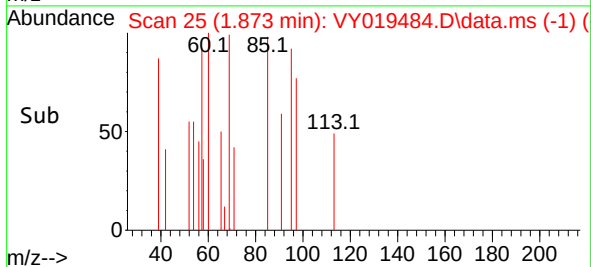
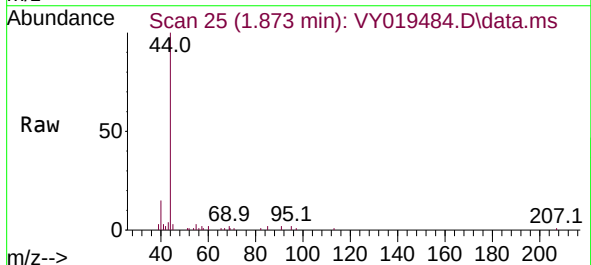


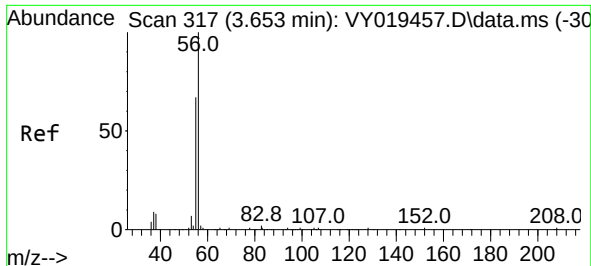
Tgt Ion:168 Resp: 130086
Ion Ratio Lower Upper
168 100
99 60.5 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion: 85 Resp: 175
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

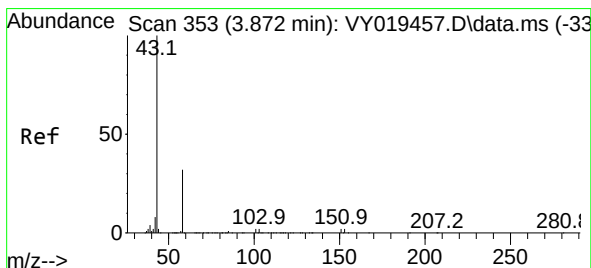
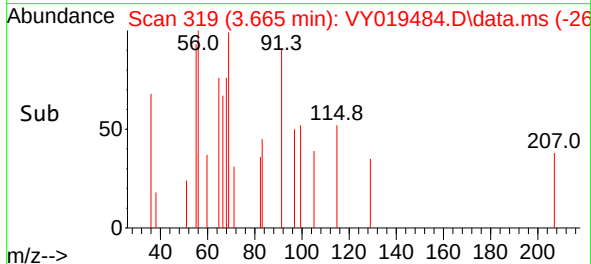
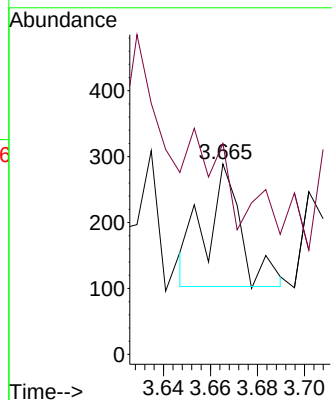
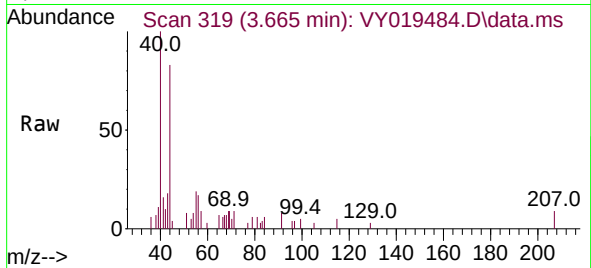




#13
Acrolein
Concen: Below Cal
RT: 3.665 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

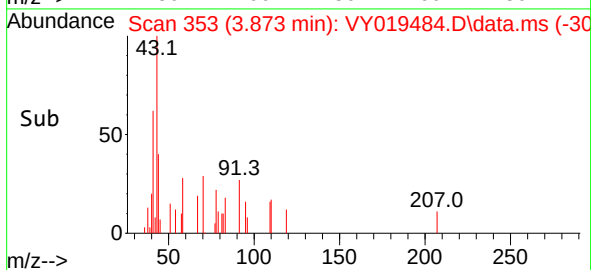
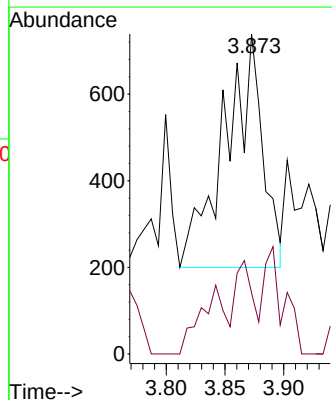
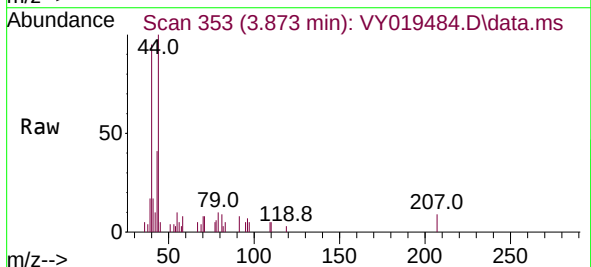
Instrument :
MSVOA_Y
ClientSampleId :

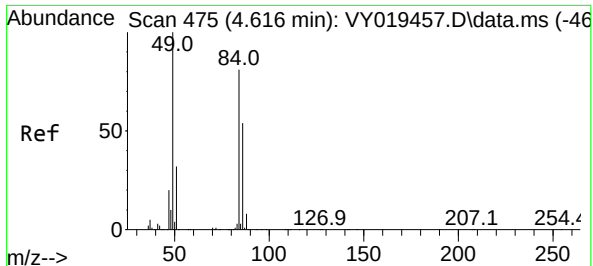
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 4.206 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

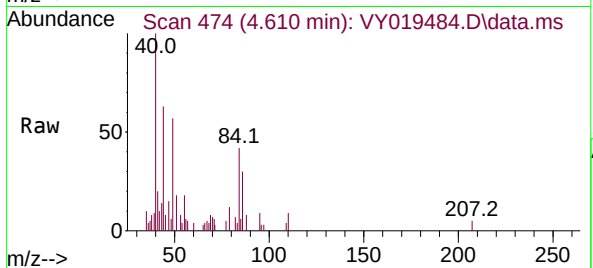
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 26.2 31.7 47.5#



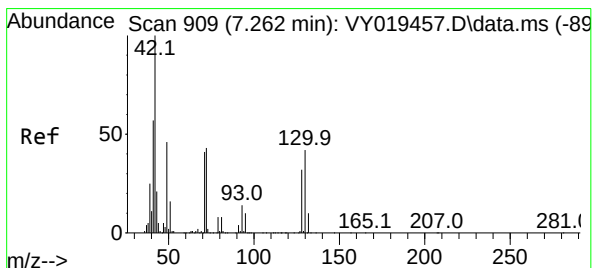
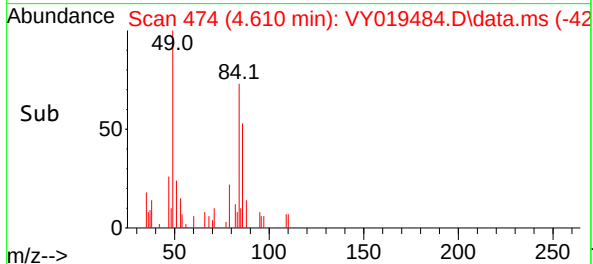
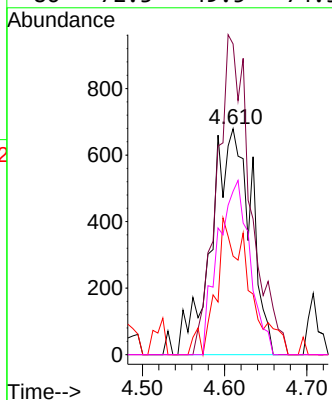


#20
Methylene Chloride
Concen: 1.745 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Instrument :
MSVOA_Y
ClientSampleId :

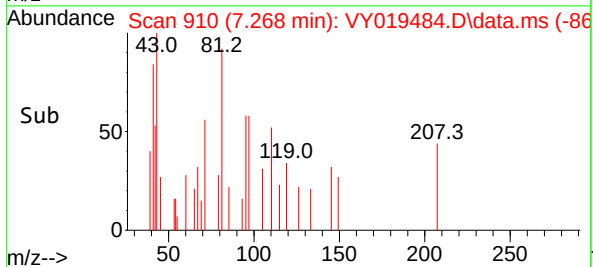
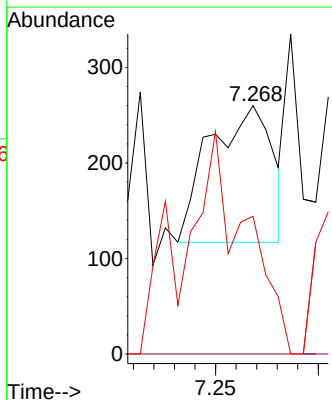
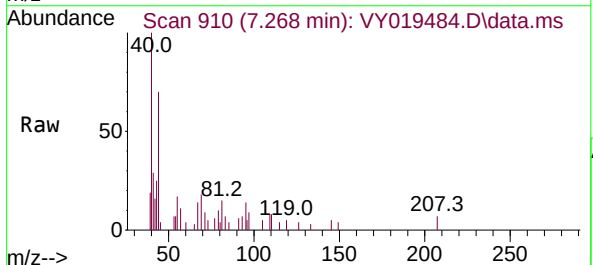


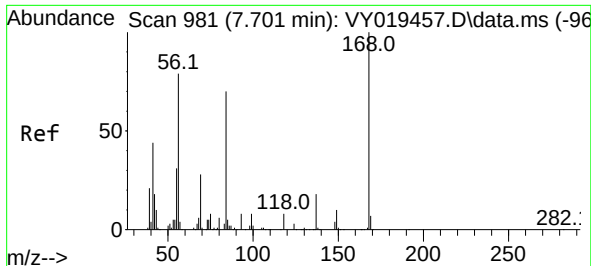
Tgt Ion:	84	Resp:	2284
Ion	Ratio	Lower	Upper
84	100		
49	137.6	84.4	126.6#
51	43.6	26.0	39.0#
86	72.3	49.5	74.3



#29
Tetrahydrofuran
Concen: 1.221 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion:	42	Resp:	303
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	125.4	40.8	61.2#

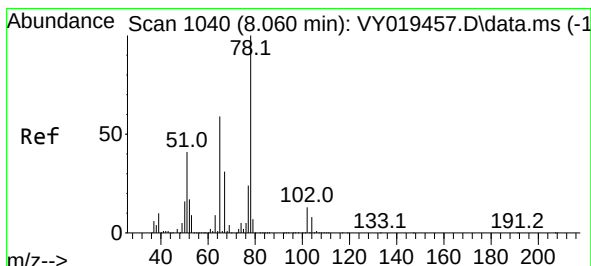
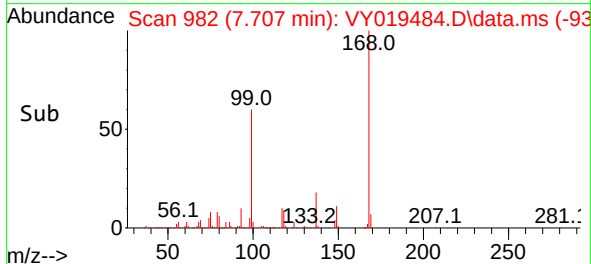
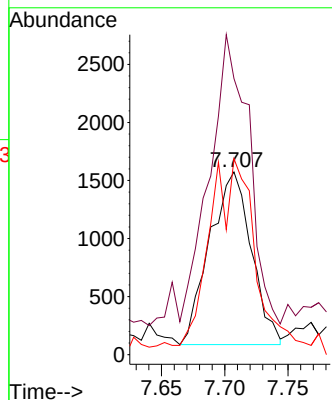
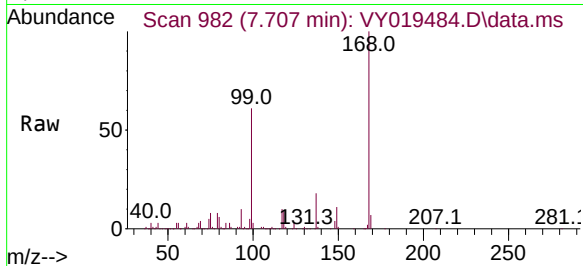




#31
Cyclohexane
Concen: 1.581 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

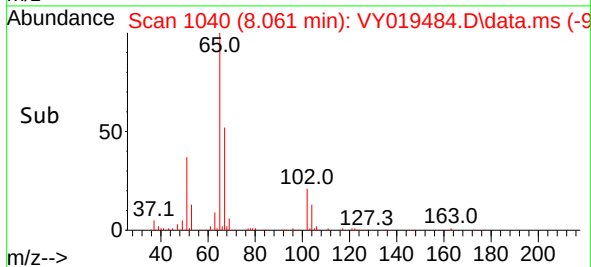
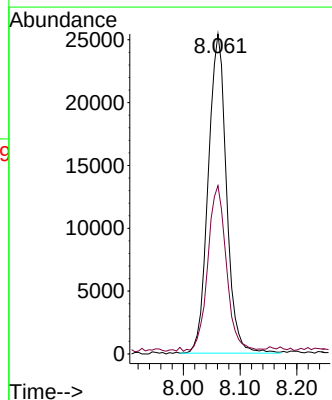
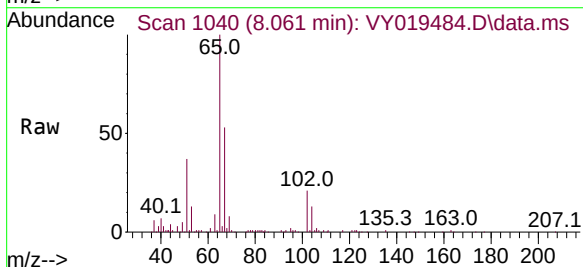
Instrument :
MSVOA_Y
ClientSampleId :

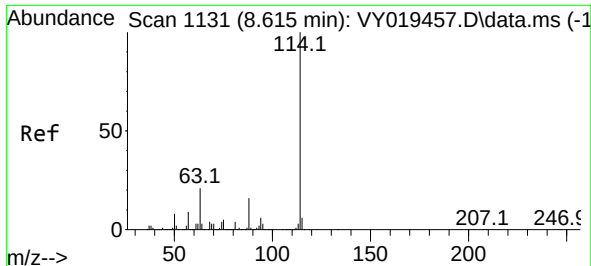
Tgt Ion: 56 Resp: 3409
Ion Ratio Lower Upper
56 100
69 142.3 28.7 43.1#
84 108.3 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 46.973 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion: 65 Resp: 56582
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019484.D

Acq: 10 Sep 2024 13:50

Instrument :

MSVOA_Y

ClientSampleId :

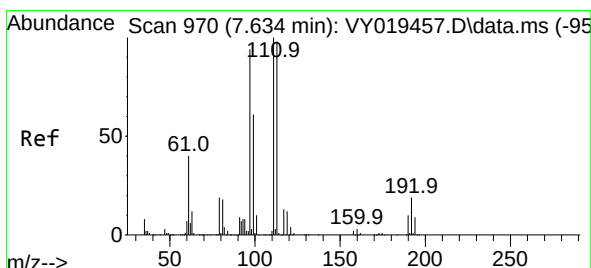
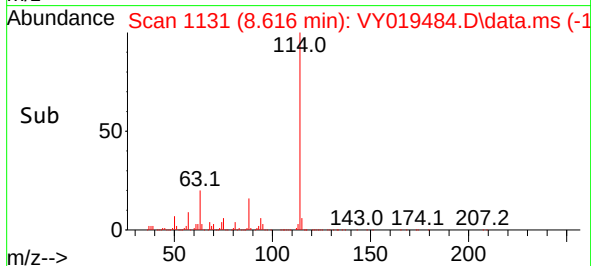
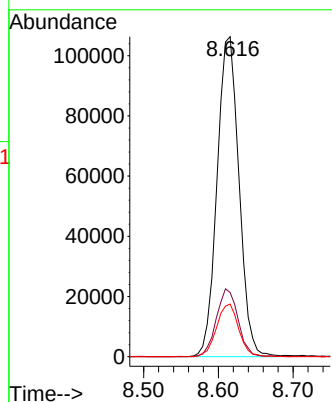
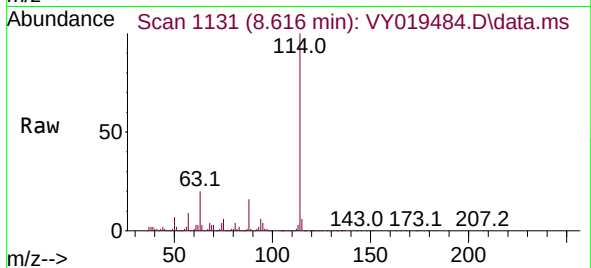
Tgt Ion:114 Resp: 216948

Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.0

88 16.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.029 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019484.D

Acq: 10 Sep 2024 13:50

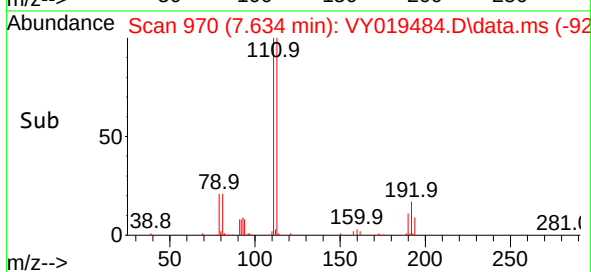
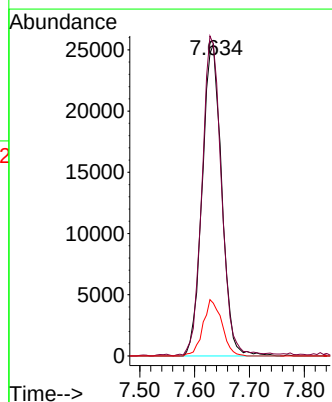
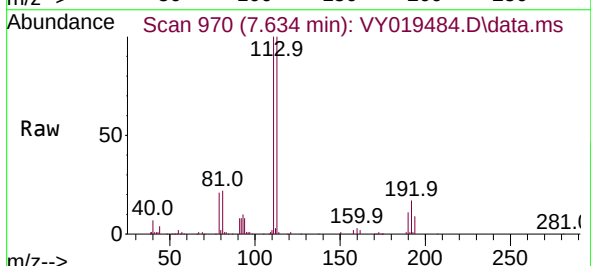
Tgt Ion:113 Resp: 62769

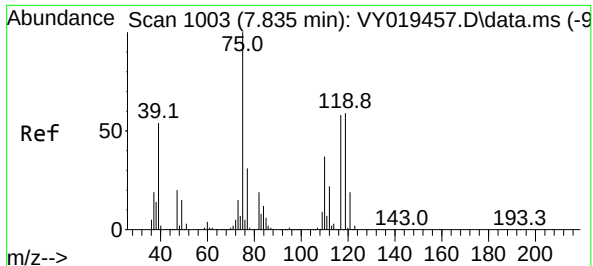
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 17.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.346 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

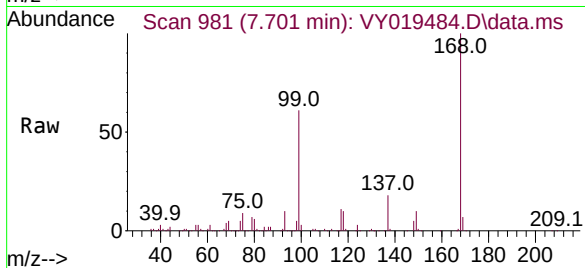
Lab File: VY019484.D

Acq: 10 Sep 2024 13:50

Instrument :

MSVOA_Y

ClientSampleId :



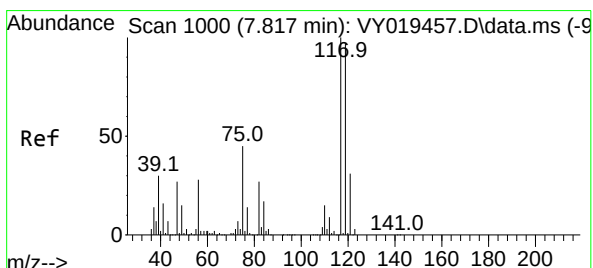
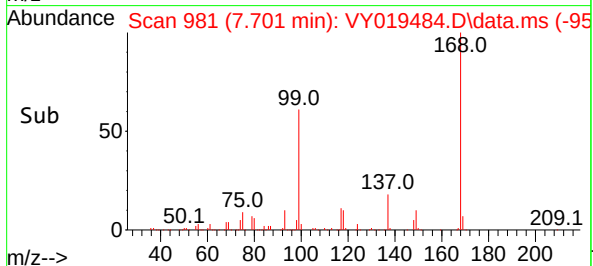
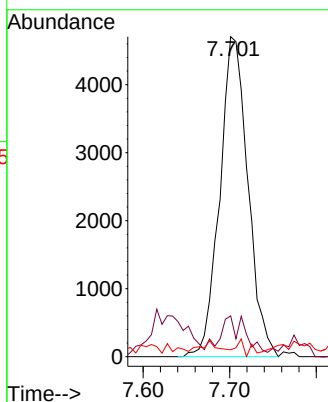
Tgt Ion: 75 Resp: 10621

Ion Ratio Lower Upper

75 100

110 11.4 19.0 57.0#

77 0.9 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.309 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY019484.D

Acq: 10 Sep 2024 13:50

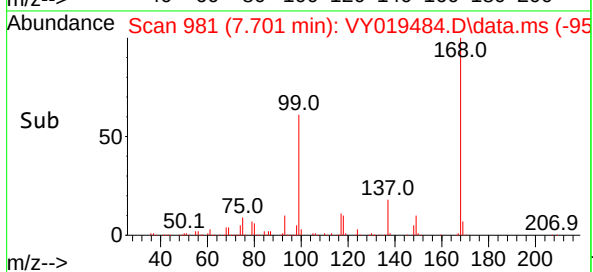
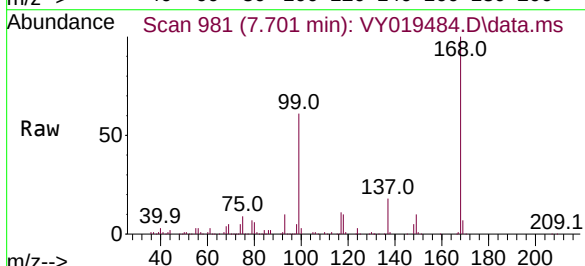
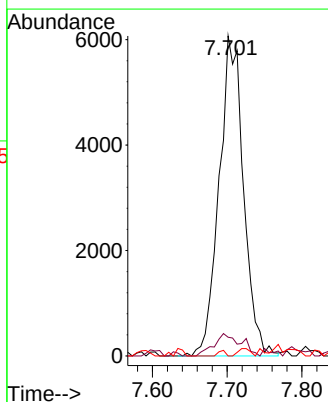
Tgt Ion: 117 Resp: 13795

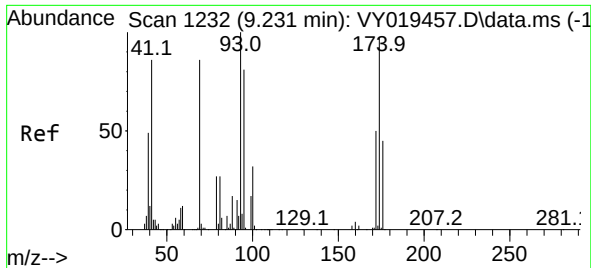
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

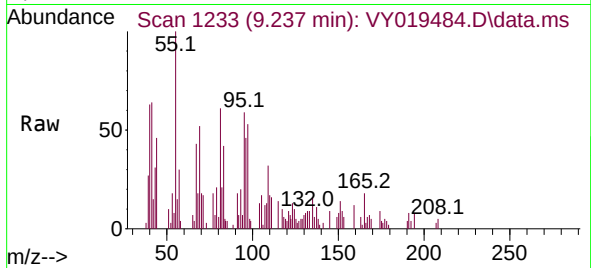
121 0.0 24.0 36.0#



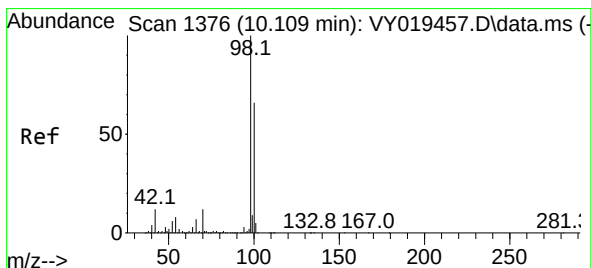
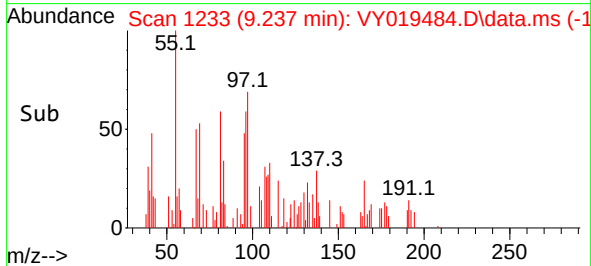
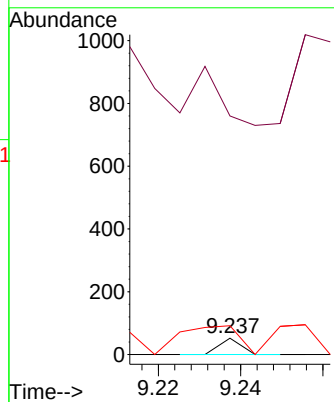


#49
1,4-Dioxane
Concen: 2.342 ug/l
RT: 9.237 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Instrument :
MSVOA_Y
ClientSampleId :

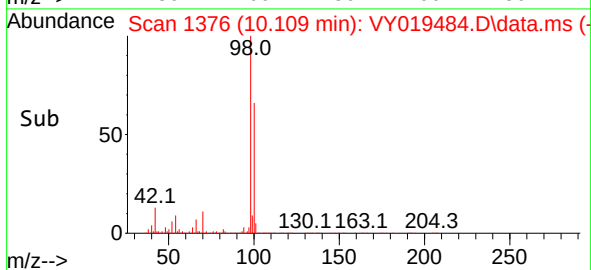
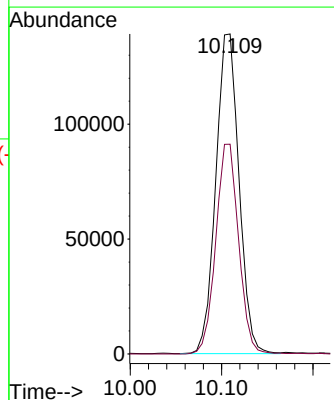
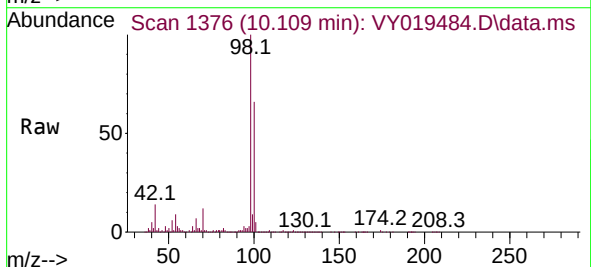


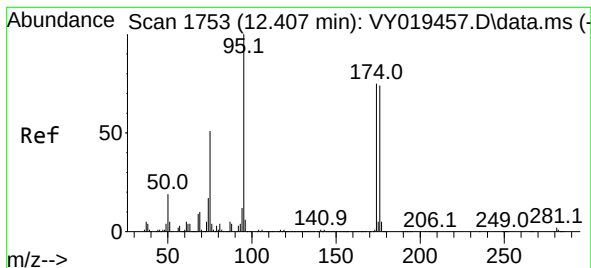
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 478.9 49.3 73.9#



#50
Toluene-d8
Concen: 53.994 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion: 98 Resp: 245658
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

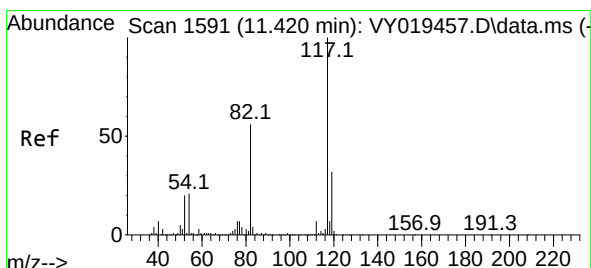
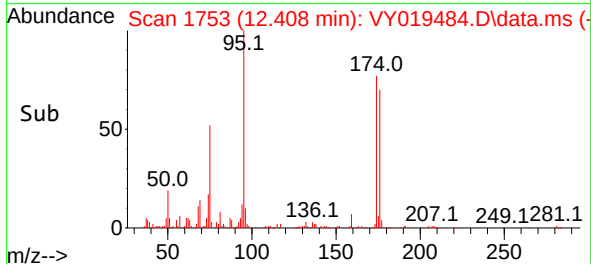
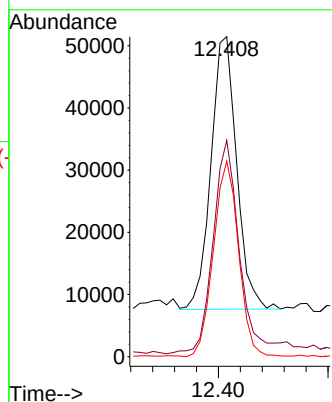
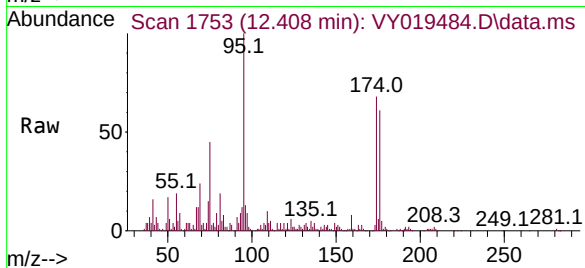




#62
4-Bromofluorobenzene
Concen: 40.835 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

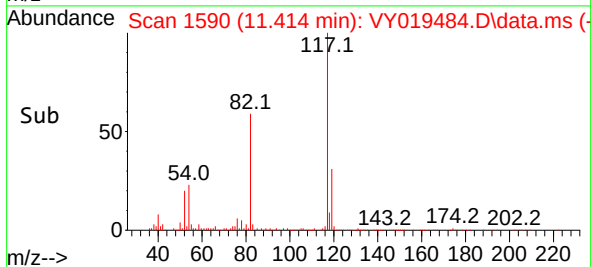
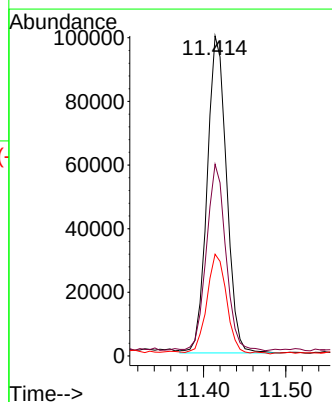
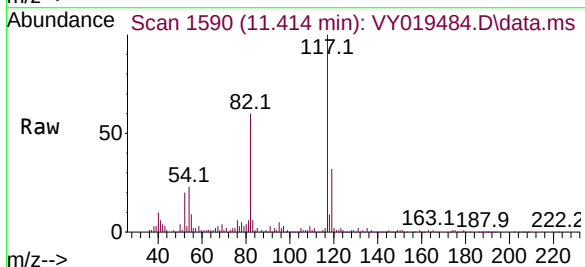
Instrument :
MSVOA_Y
ClientSampleId :

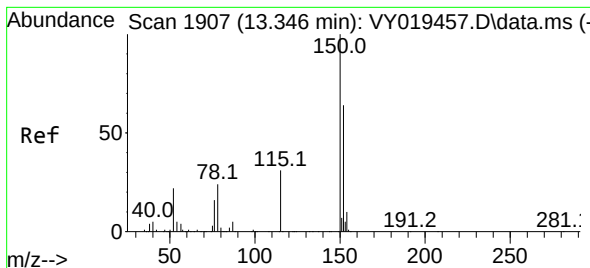
Tgt Ion: 95 Resp: 71437
Ion Ratio Lower Upper
95 100
174 82.5 0.0 175.6
176 69.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion: 117 Resp: 163443
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 31.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019484.D

Acq: 10 Sep 2024 13:50

Instrument :

MSVOA_Y

ClientSampleId :

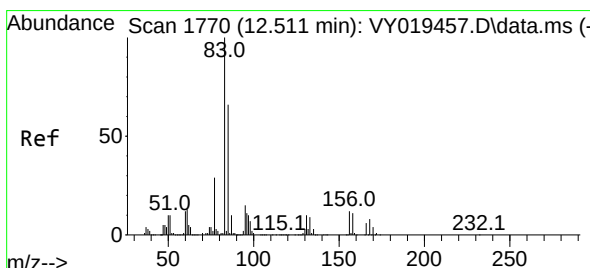
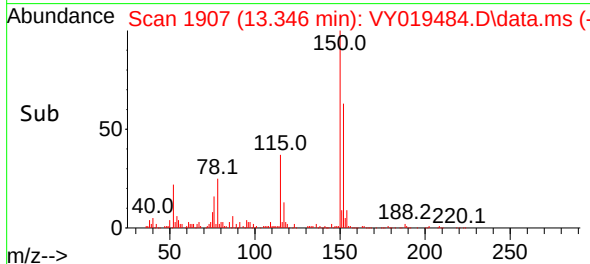
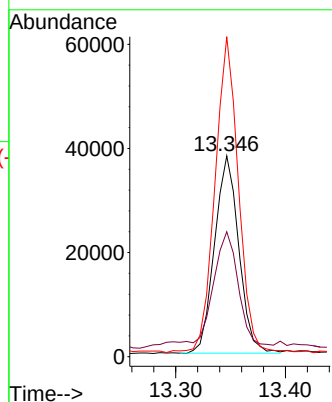
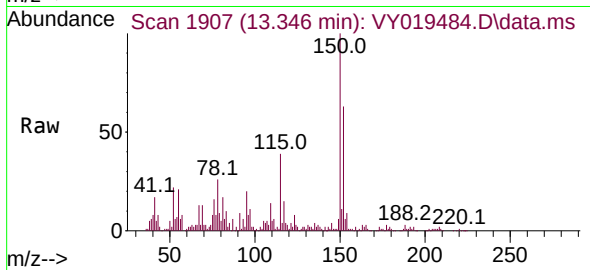
Tgt Ion:152 Resp: 58161

Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.7

150 154.9 0.0 345.6



#75

1,1,2,2-Tetrachloroethane

Concen: 1.342 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY019484.D

Acq: 10 Sep 2024 13:50

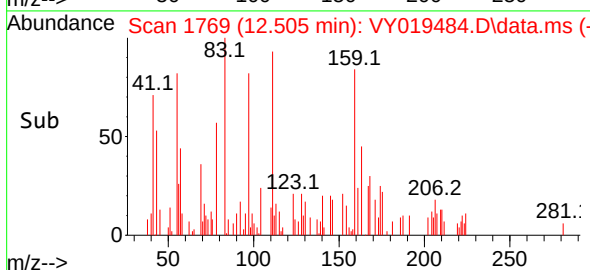
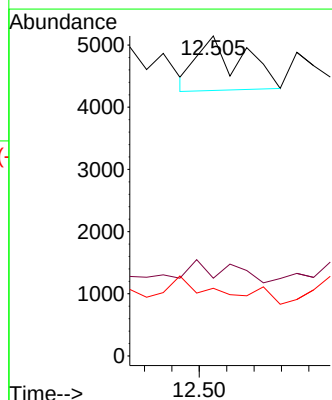
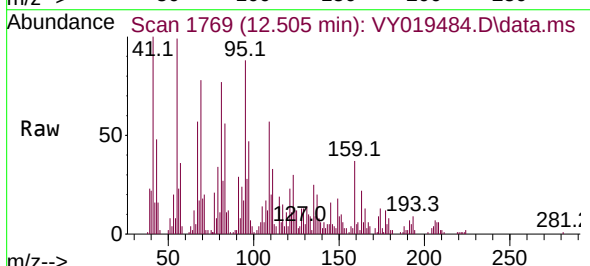
Tgt Ion: 83 Resp: 1005

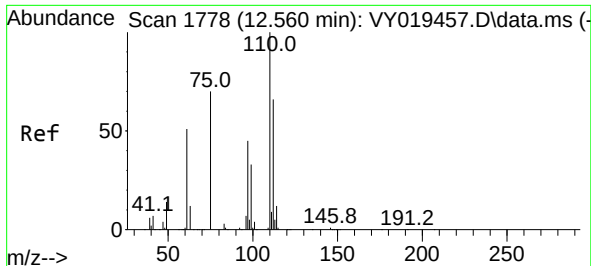
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 111.3 32.0 96.0#

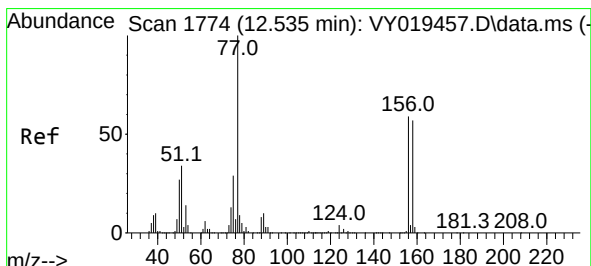
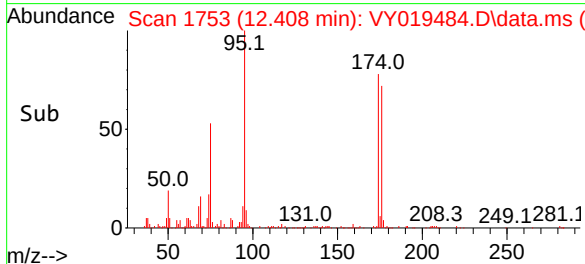
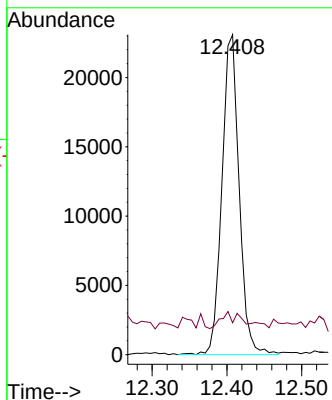
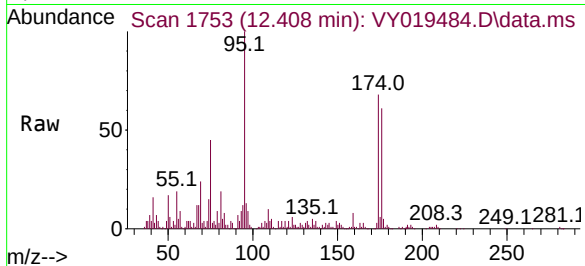




#76
1,2,3-Trichloropropane
Concen: 67.858 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

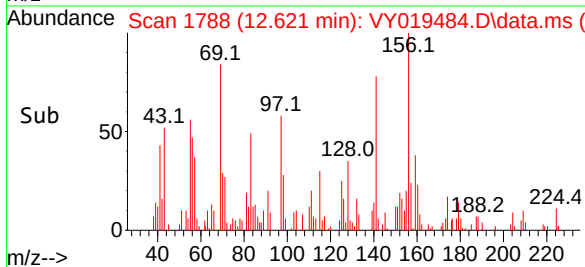
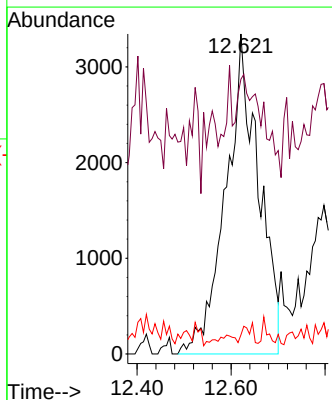
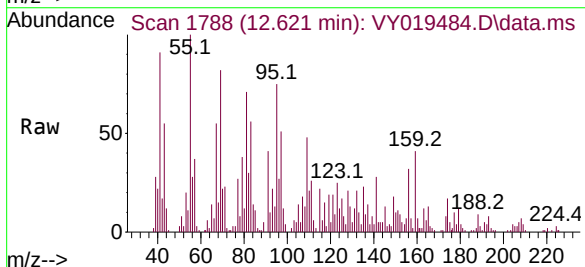
Instrument :
MSVOA_Y
ClientSampleId :

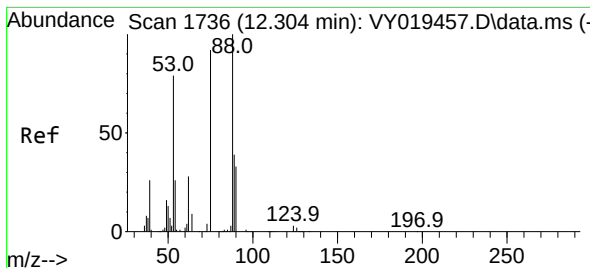
Tgt Ion: 75 Resp: 36992
Ion Ratio Lower Upper
75 100
77 3.2 0.0 0.0#



#77
Bromobenzene
Concen: 17.291 ug/l
RT: 12.621 min Scan# 1788
Delta R.T. 0.086 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion: 156 Resp: 16181
Ion Ratio Lower Upper
156 100
77 23.2 87.1 261.3#
158 0.0 48.6 145.9#

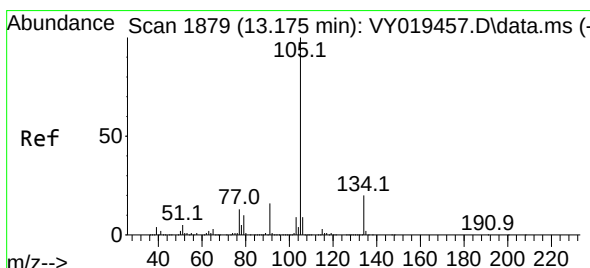
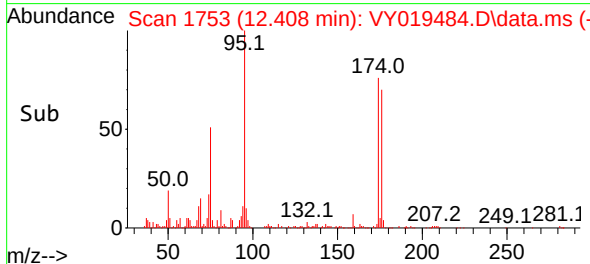
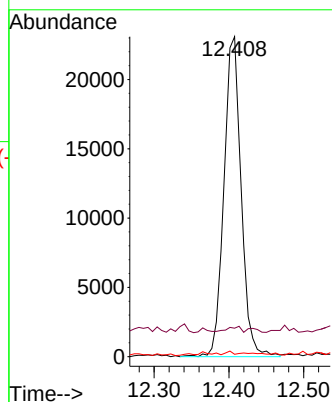
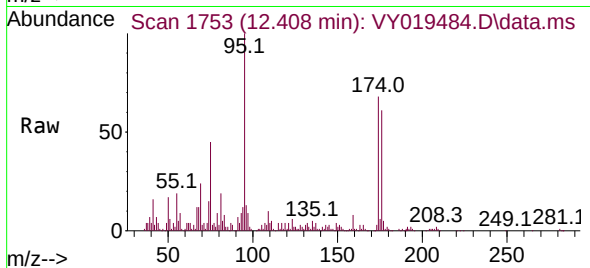




#81
trans-1,4-Dichloro-2-butene
Concen: 130.268 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

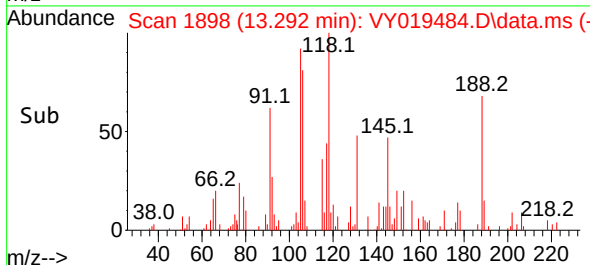
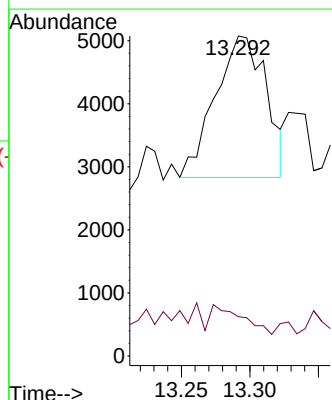
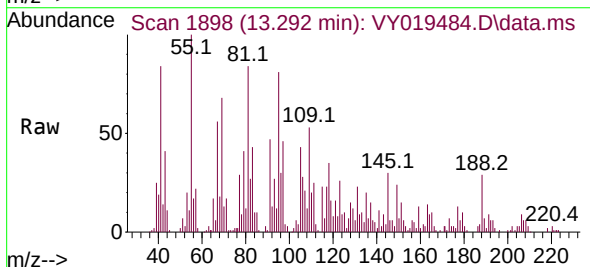
Instrument :
MSVOA_Y
ClientSampleId :

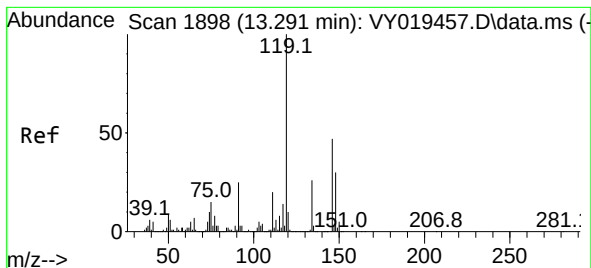
Tgt Ion: 75 Resp: 36992
Ion Ratio Lower Upper
75 100
53 1.4 66.8 100.2#
89 0.5 35.8 53.6#



#85
sec-Butylbenzene
Concen: 1.286 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.116 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion: 105 Resp: 5800
Ion Ratio Lower Upper
105 100
134 12.7 10.1 30.1

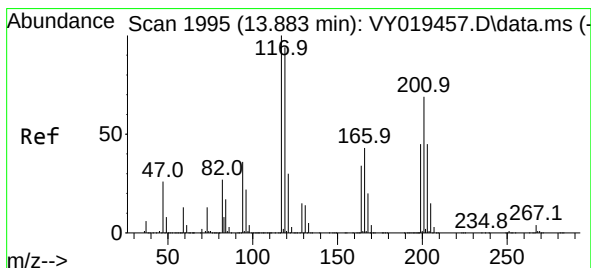
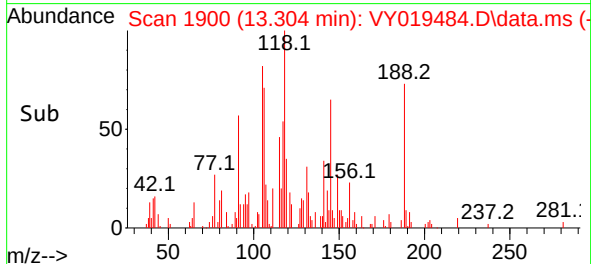
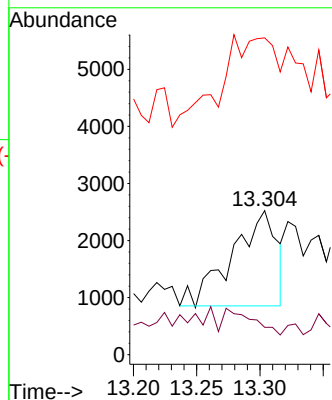
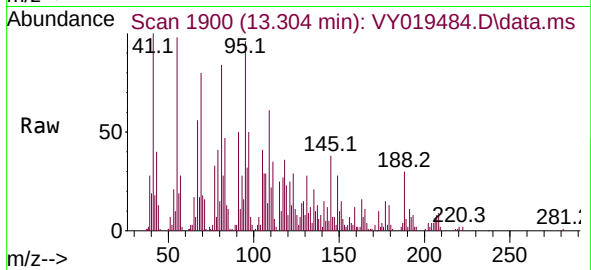




#86
p-Isopropyltoluene
Concen: 1.118 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.013 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

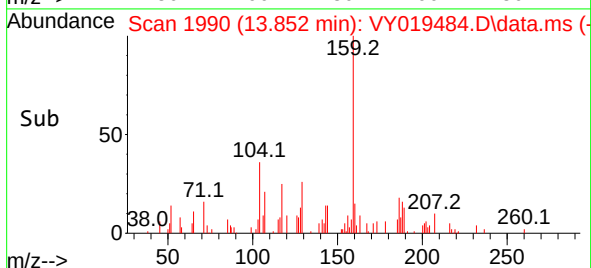
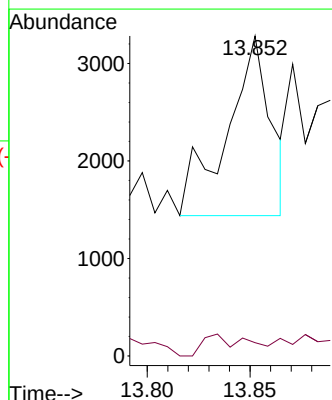
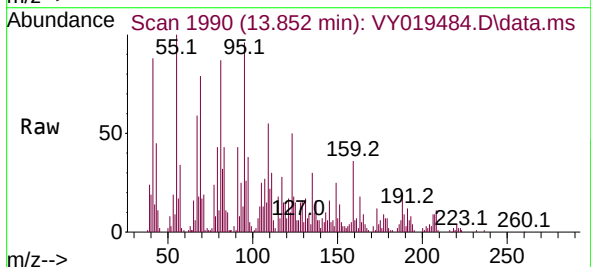
Instrument :
MSVOA_Y
ClientSampleId :

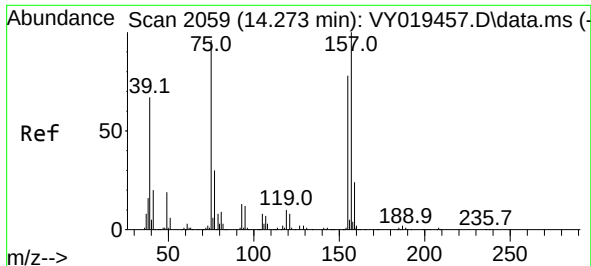
Tgt Ion:119 Resp: 4126
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.3#
91 0.0 10.7 32.1#



#90
Hexachloroethane
Concen: 3.565 ug/l
RT: 13.852 min Scan# 1990
Delta R.T. -0.030 min
Lab File: VY019484.D
Acq: 10 Sep 2024 13:50

Tgt Ion:117 Resp: 2738
Ion Ratio Lower Upper
117 100
201 12.3 37.4 112.2#

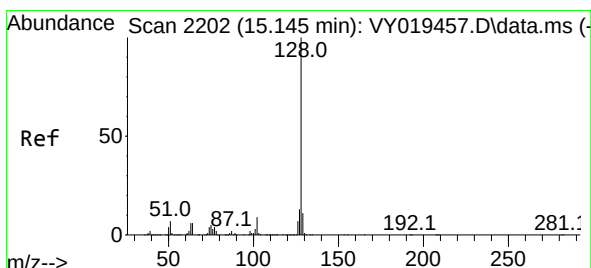
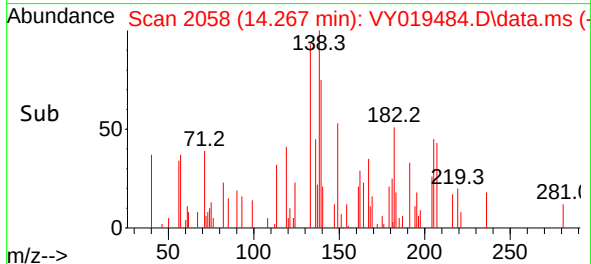
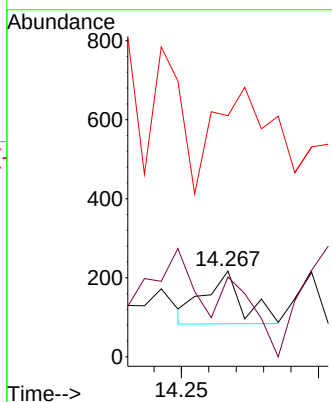
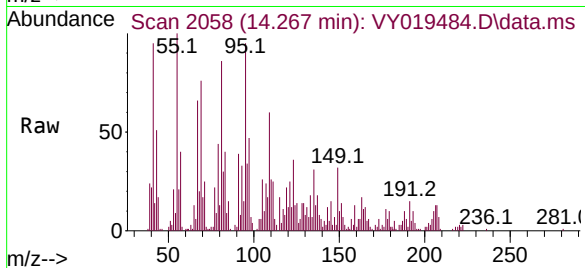




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.042 ug/l
 RT: 14.267 min Scan# 2058
 Delta R.T. -0.006 min
 Lab File: VY019484.D
 Acq: 10 Sep 2024 13:50

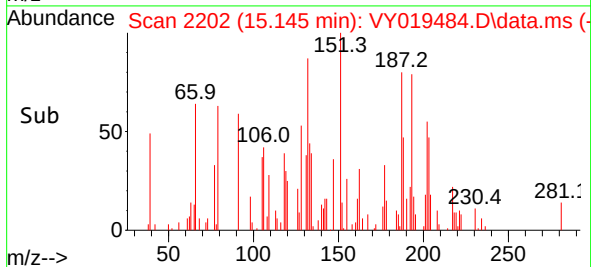
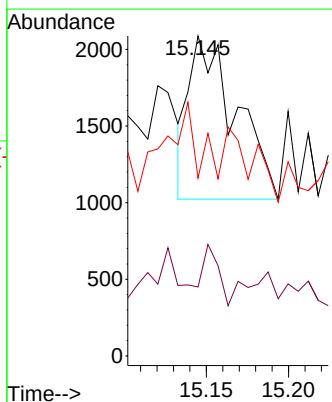
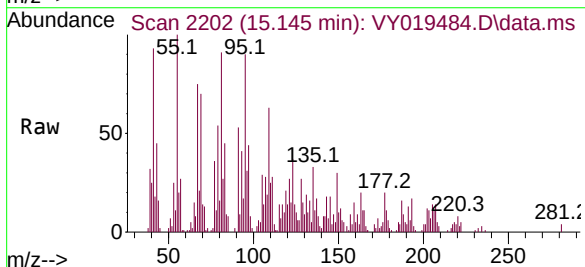
Instrument :
 MSVOA_Y
 ClientSampleId :

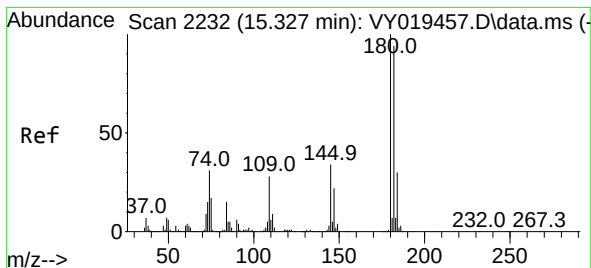
Tgt Ion: 75 Resp: 130
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 441.5 62.7 188.2#



#95
 Naphthalene
 Concen: 1.072 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. 0.000 min
 Lab File: VY019484.D
 Acq: 10 Sep 2024 13:50

Tgt Ion: 128 Resp: 2118
 Ion Ratio Lower Upper
 128 100
 127 11.4 10.6 16.0
 129 45.1 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.021 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019484.D
 Acq: 10 Sep 2024 13:50

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:180 Resp: 862
 Ion Ratio Lower Upper
 180 100
 182 41.8 47.6 142.9#
 145 0.0 15.4 46.1#

