

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102621\
 Data File : VY006481.D
 Acq On : 26 Oct 2021 15:13
 Operator : SY/MD
 Sample : M4329-01
 Misc : 3.29G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 27 05:26:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

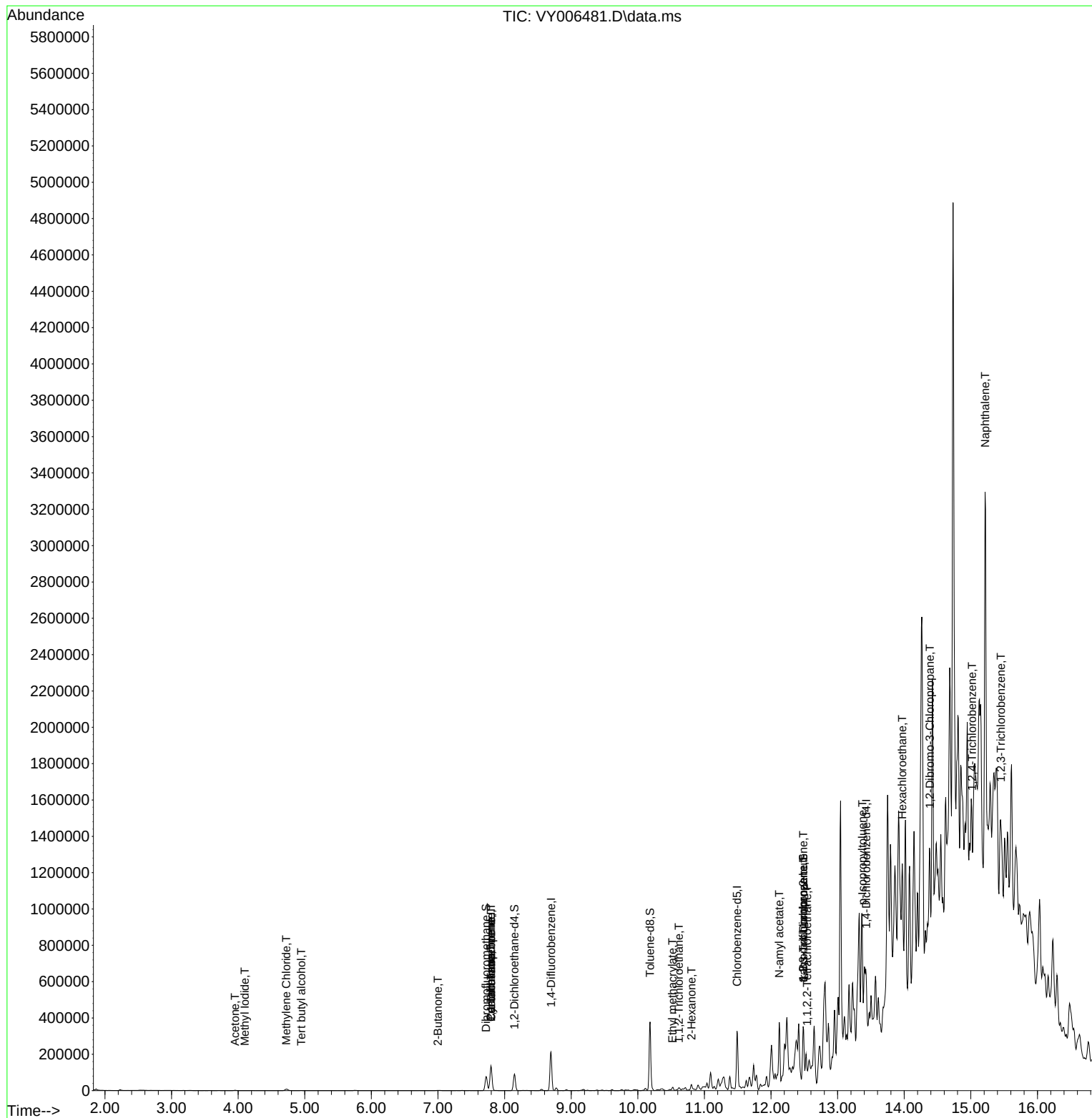
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	102214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	170414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	160016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74181	58.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.960%	
35) Dibromofluoromethane	7.722	113	51639	54.366	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.740%	
50) Toluene-d8	10.185	98	222231	55.192	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.380%	
62) 4-Bromofluorobenzene	12.483	95	72368	53.354	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.700%	
Target Compounds						Qvalue
10) Methyl Iodide	4.101	142	127	5.173	ug/l #	54
11) Tert butyl alcohol	4.948	59	890	7.789	ug/l #	72
16) Acetone	3.954	43	3433	9.479	ug/l #	86
20) Methylene Chloride	4.722	84	5816	1.245	ug/l	97
25) 2-Butanone	6.996	43	871	1.836	ug/l #	52
31) Cyclohexane	7.795	56	2653	1.303	ug/l #	28
36) 1,1-Dichloropropene	7.795	75	8253	4.901	ug/l #	52
38) Carbon Tetrachloride	7.795	117	10163	5.471	ug/l #	16
55) 1,1,2-Trichloroethane	10.618	97	5397	5.978	ug/l #	23
56) Ethyl methacrylate	10.520	69	1546	1.108	ug/l #	1
59) 2-Hexanone	10.807	43	13036	16.621	ug/l #	33
74) N-amyl acetate	12.124	43	78391	48.321	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.544	83	7753	9.157	ug/l #	49
76) 1,2,3-Trichloropropane	12.483	75	40216	55.823	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40216	114.603	ug/l #	10
86) p-Isopropyltoluene	13.373	119	8930	1.981	ug/l	91
90) Hexachloroethane	13.971	117	2223	2.731	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.385	75	1922	10.693	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.019	180	2758	2.060	ug/l #	1
95) Naphthalene	15.214	128	20036	7.645	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.452	180	10012	8.539	ug/l #	1

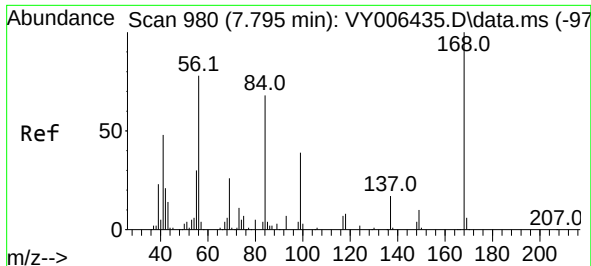
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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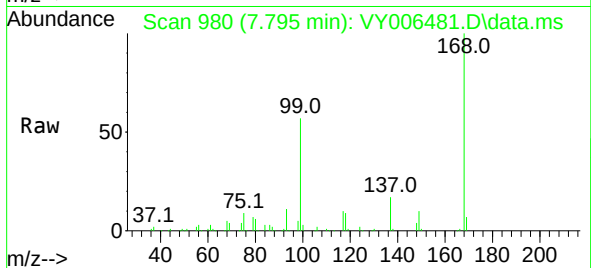
Quant Time: Oct 27 05:26:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
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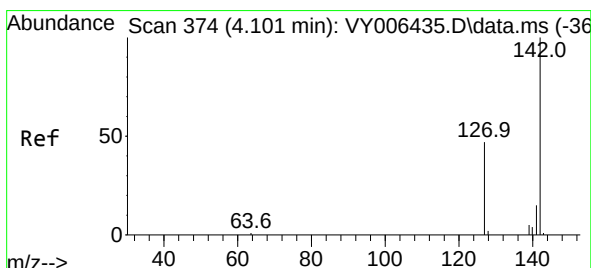
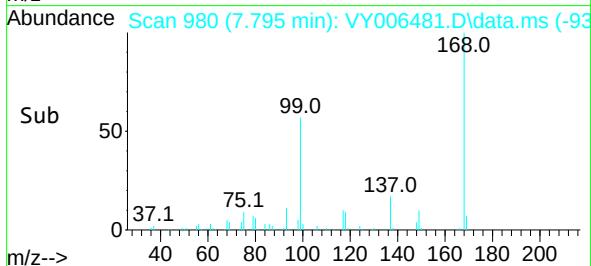
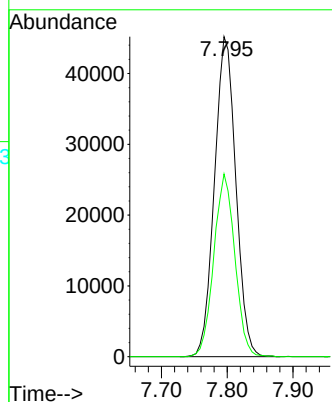


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Instrument :
MSVOA_Y
ClientSampleId :

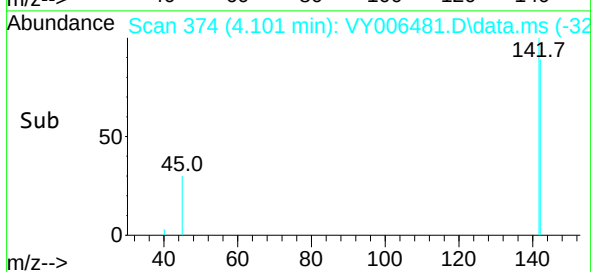
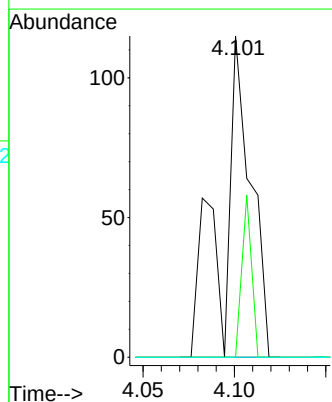
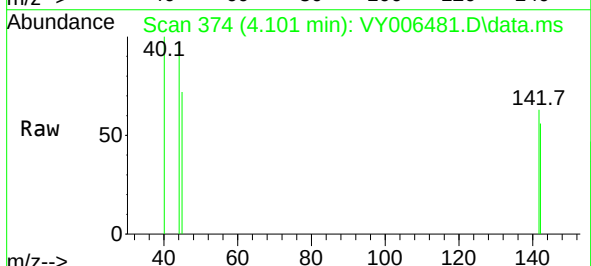


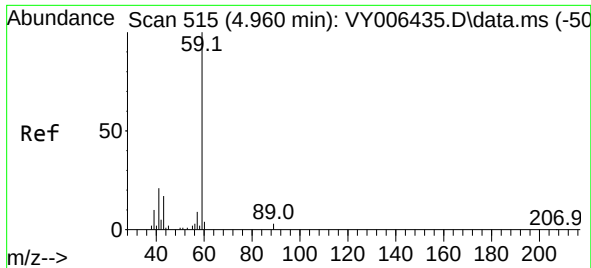
Tgt Ion:168 Resp: 102214
Ion Ratio Lower Upper
168 100
99 57.1 44.8 67.2



#10
Methyl Iodide
Concen: 5.173 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

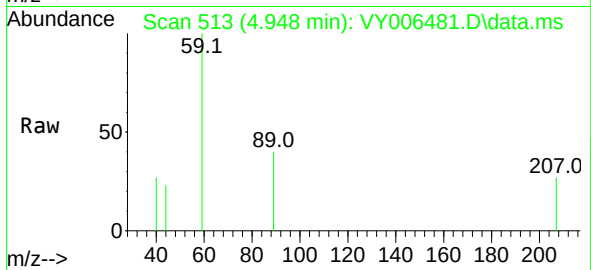
Tgt Ion:142 Resp: 127
Ion Ratio Lower Upper
142 100
127 16.5 40.1 60.1#
141 0.0 12.5 18.7#



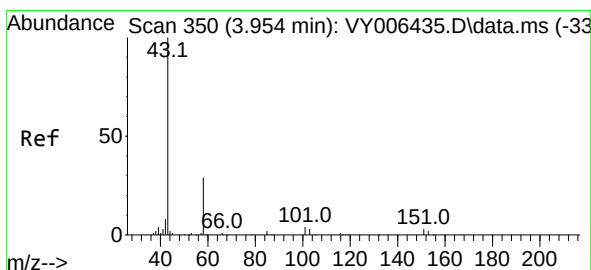
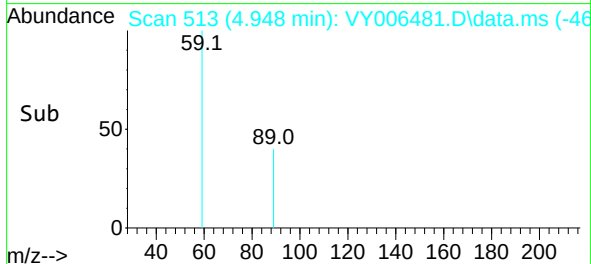
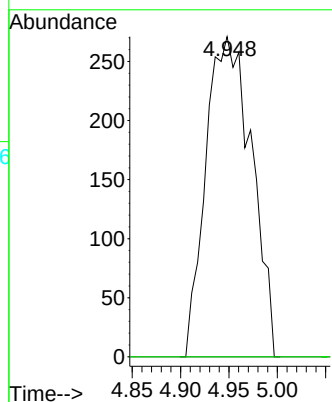


#11
Tert butyl alcohol
Concen: 7.789 ug/l
RT: 4.948 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Instrument :
MSVOA_Y
ClientSampleId :

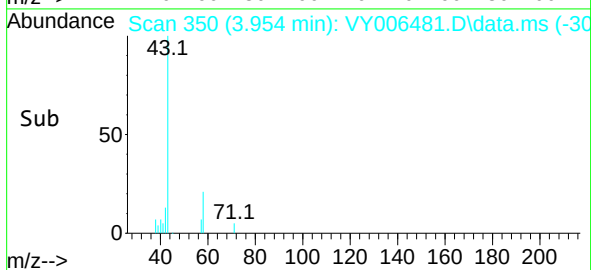
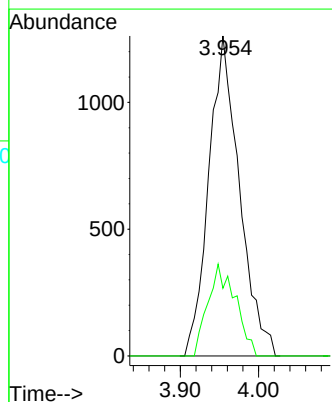
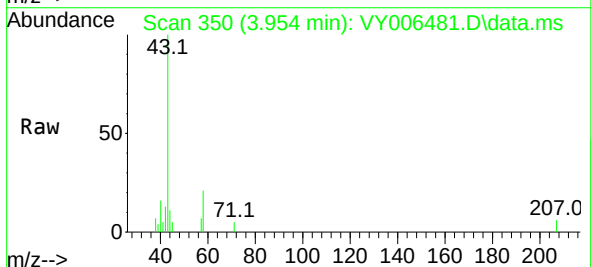


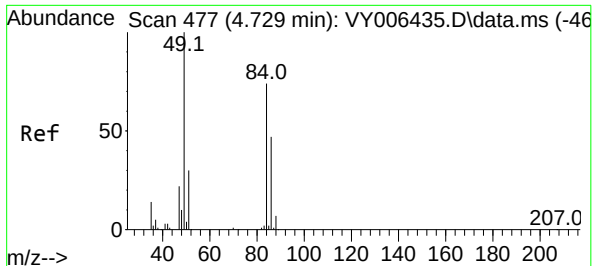
Tgt Ion: 59 Resp: 890
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 9.479 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

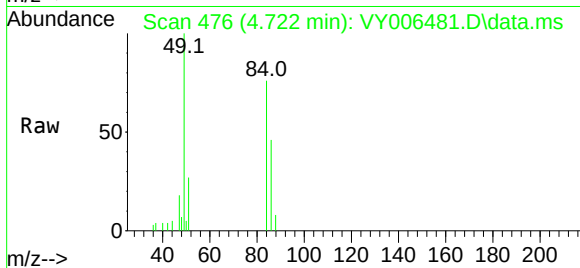
Tgt Ion: 43 Resp: 3433
Ion Ratio Lower Upper
43 100
58 21.2 22.9 34.3#





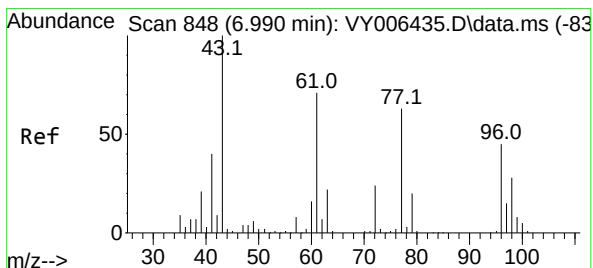
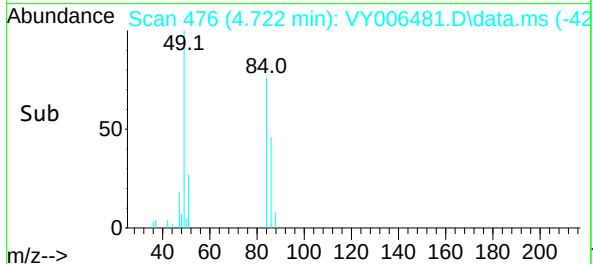
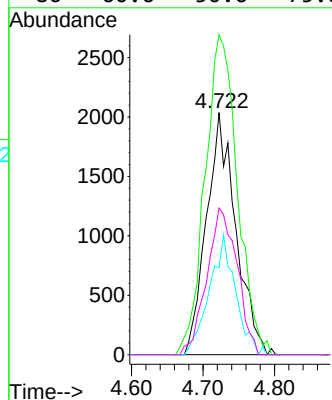
#20
Methylene Chloride
Concen: 1.245 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 5816

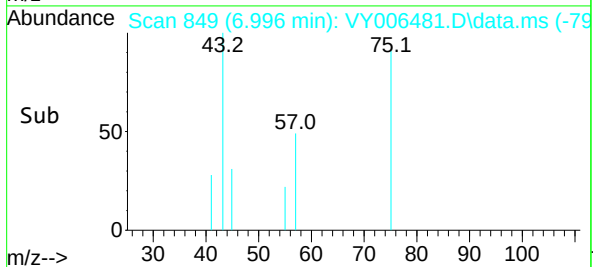
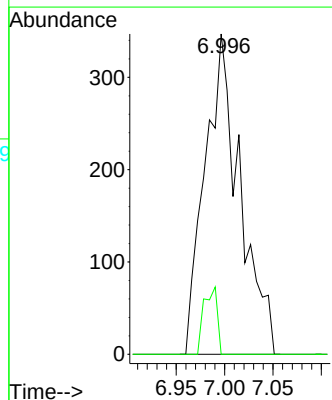
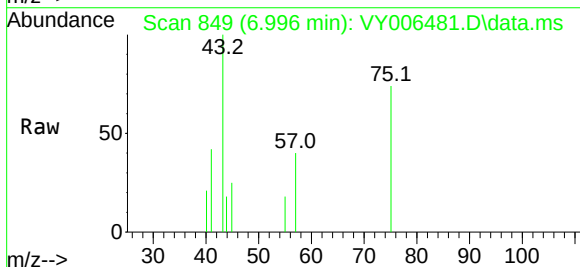
Ion	Ratio	Lower	Upper
84	100		
49	132.2	107.8	161.8
51	36.0	32.8	49.2
86	60.6	50.6	75.8

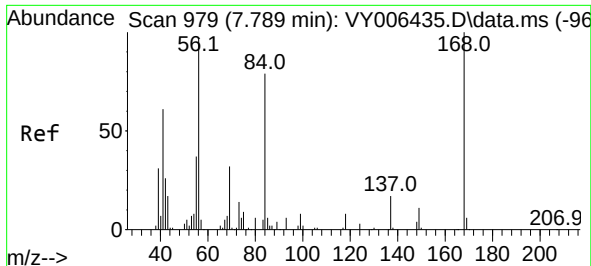


#25
2-Butanone
Concen: 1.836 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Tgt Ion: 43 Resp: 871

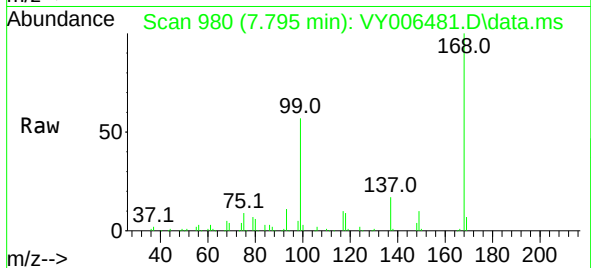
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.9	28.3#



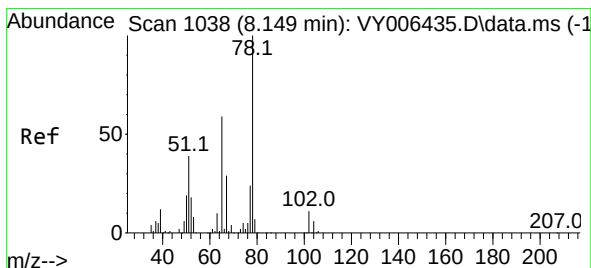
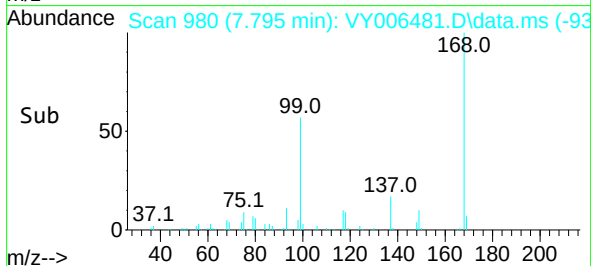
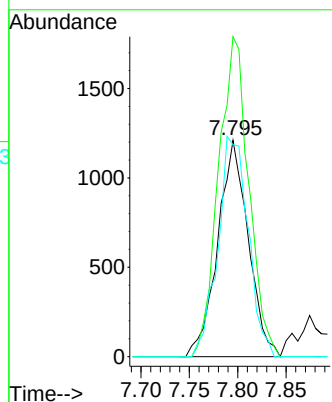


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Instrument :
MSVOA_Y
ClientSampleId :

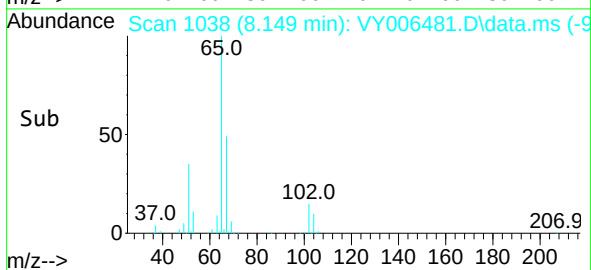
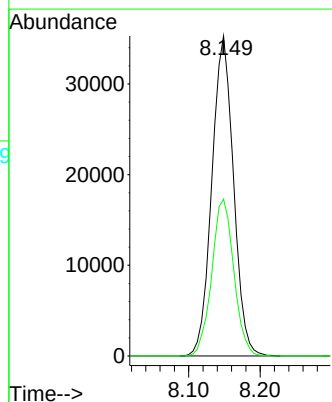
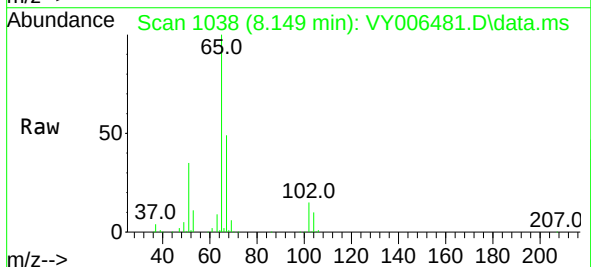


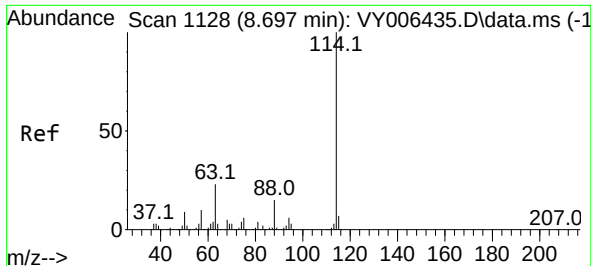
Tgt Ion: 56 Resp: 2653
Ion Ratio Lower Upper
56 100
69 147.9 26.6 40.0#
84 98.0 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 58.976 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Tgt Ion: 65 Resp: 74181
Ion Ratio Lower Upper
65 100
67 49.9 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

Instrument :

MSVOA_Y

ClientSampleId :

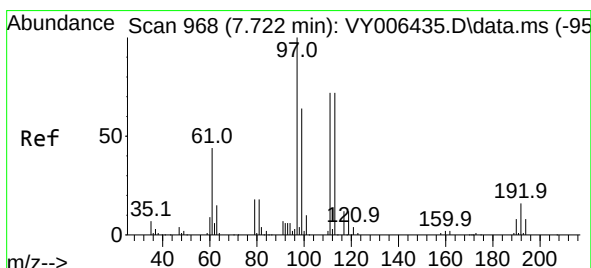
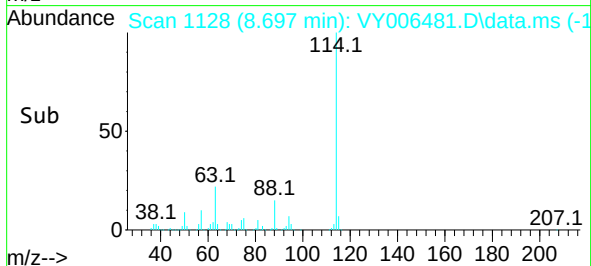
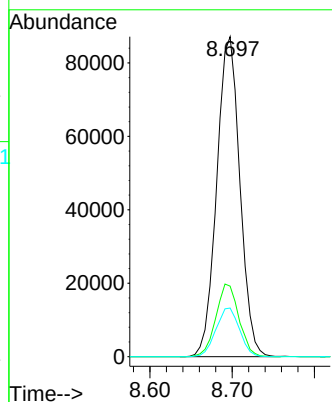
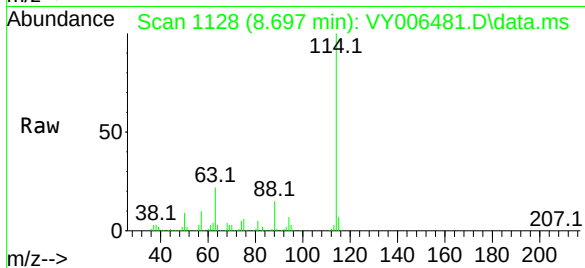
Tgt Ion:114 Resp: 170414

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.366 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

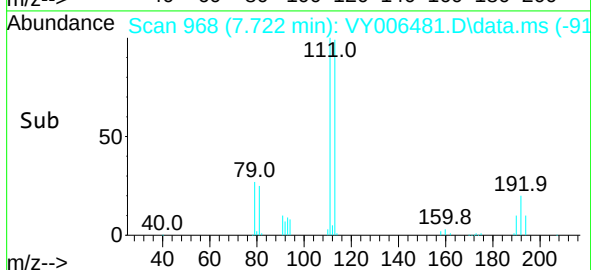
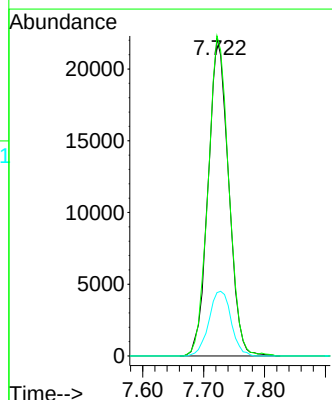
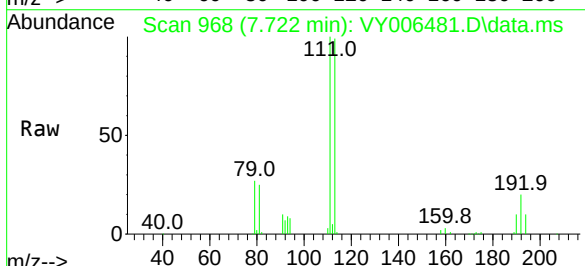
Tgt Ion:113 Resp: 51639

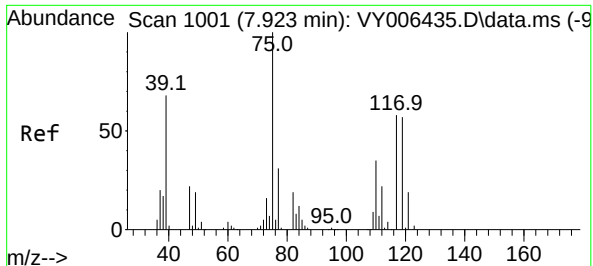
Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

192 22.1 17.4 26.2





#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

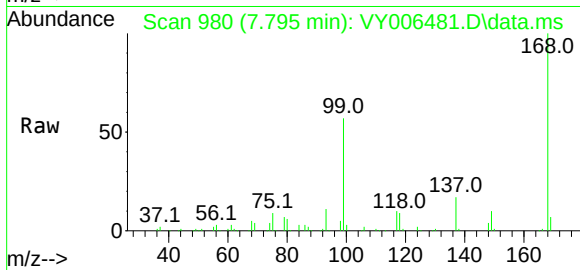
Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

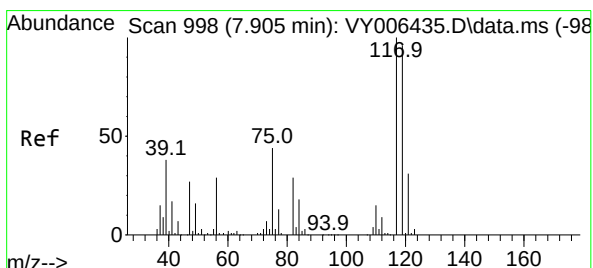
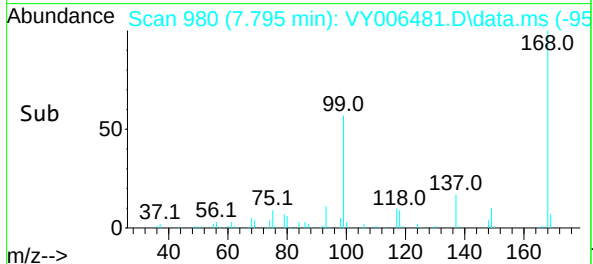
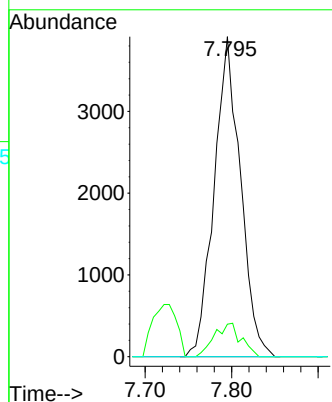
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 8253
Ion Ratio	Lower Upper
75 100	
110 10.6	17.1 51.3#
77 0.0	24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.471 ug/l

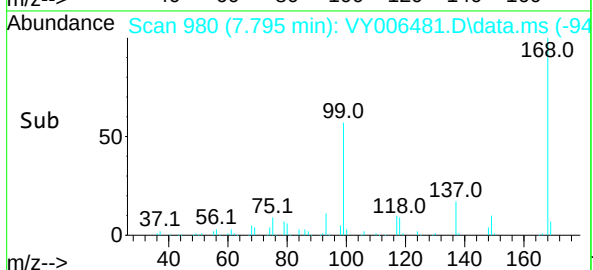
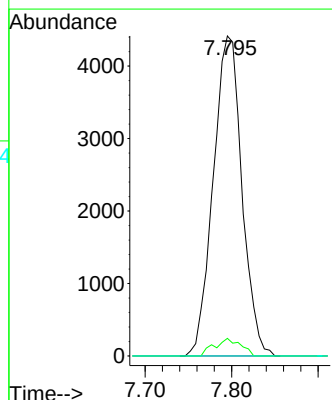
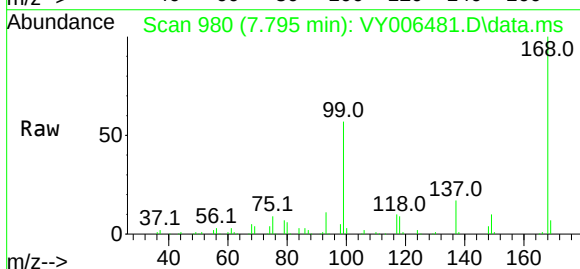
RT: 7.795 min Scan# 980

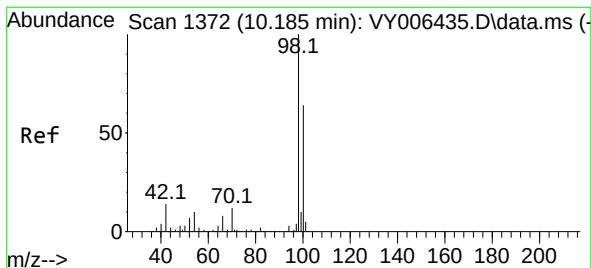
Delta R.T. -0.110 min

Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

Tgt Ion: 117	Resp: 10163
Ion Ratio	Lower Upper
117 100	
119 5.5	76.6 115.0#
121 0.0	24.7 37.1#





#50

Toluene-d8

Concen: 55.192 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

Instrument :

MSVOA_Y

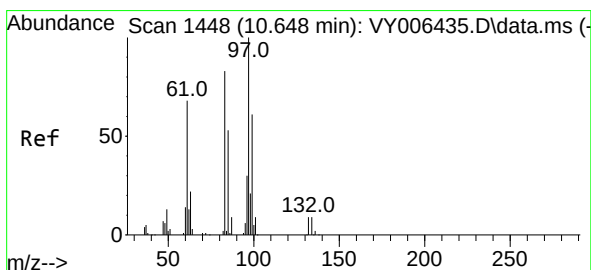
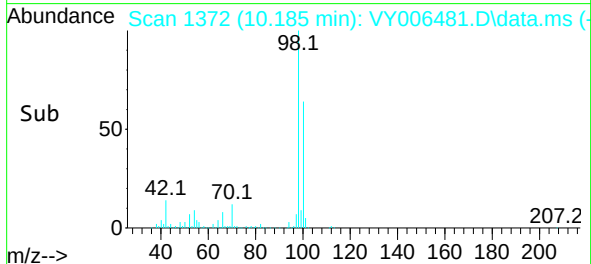
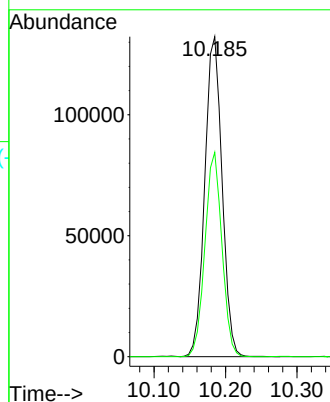
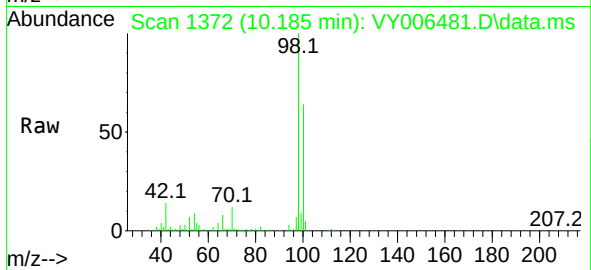
ClientSampleId :

Tgt Ion: 98 Resp: 222231

Ion Ratio Lower Upper

98 100

100 62.7 50.9 76.3



#55

1,1,2-Trichloroethane

Concen: 5.978 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.030 min

Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

Tgt Ion: 97 Resp: 5397

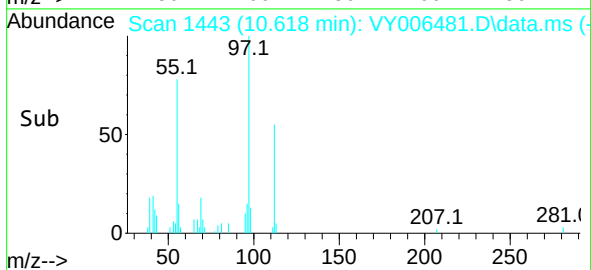
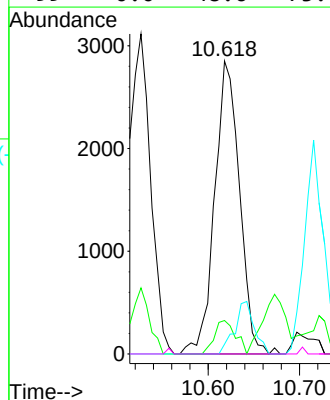
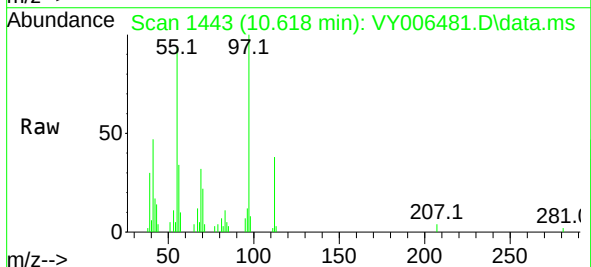
Ion Ratio Lower Upper

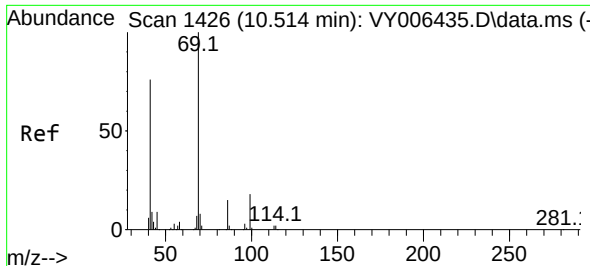
97 100

83 11.4 66.2 99.2#

85 3.3 42.2 63.4#

99 0.0 48.6 73.0#

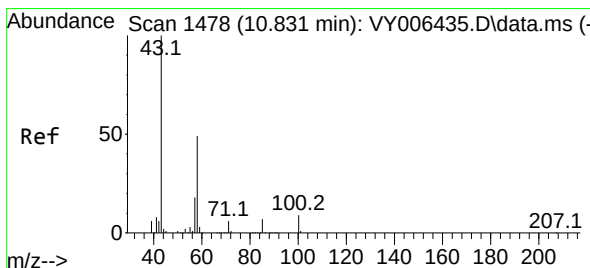
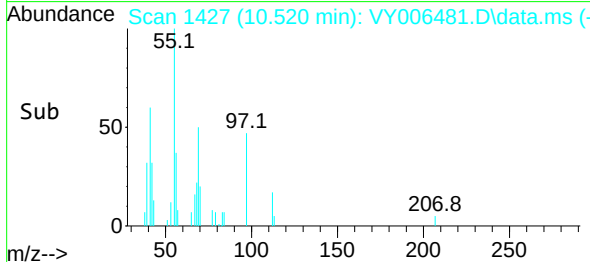
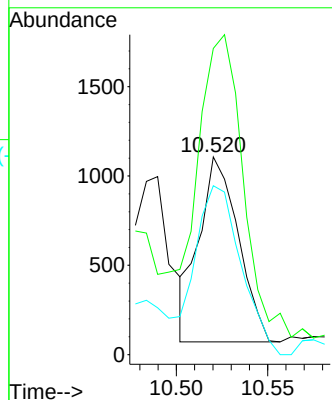
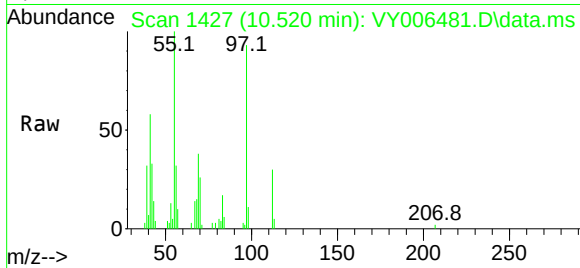




#56
Ethyl methacrylate
Concen: 1.108 ug/l
RT: 10.520 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

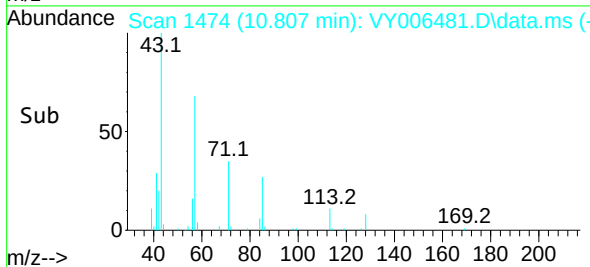
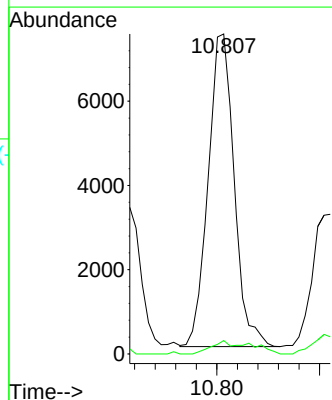
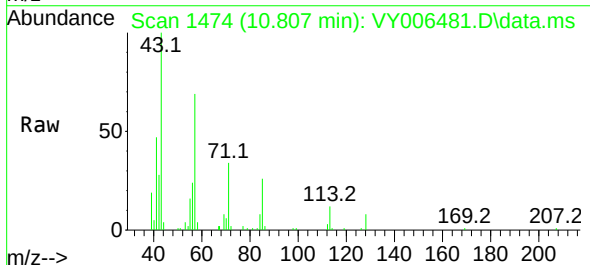
Instrument :
MSVOA_Y
ClientSampleId :

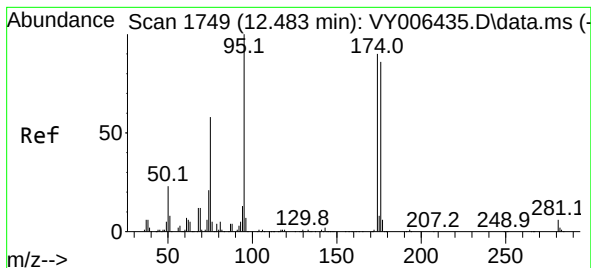
Tgt Ion: 69 Resp: 1546
Ion Ratio Lower Upper
69 100
41 193.3 62.9 94.3#
39 108.5 35.7 53.5#



#59
2-Hexanone
Concen: 16.621 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Tgt Ion: 43 Resp: 13036
Ion Ratio Lower Upper
43 100
58 3.6 24.6 73.6#

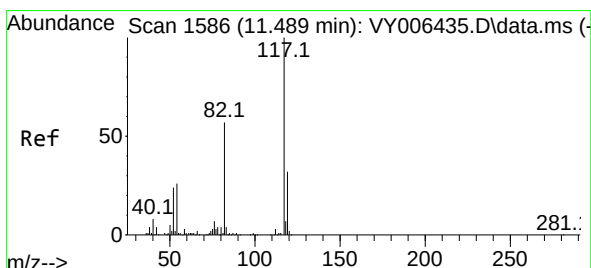
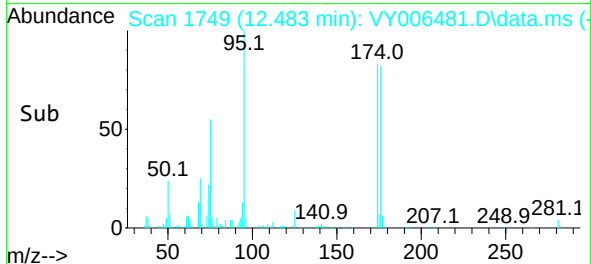
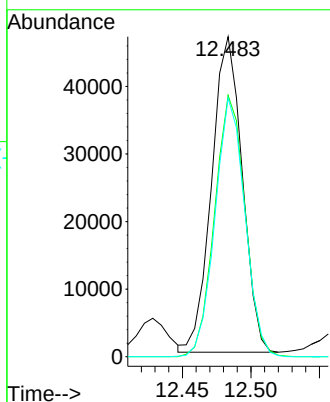
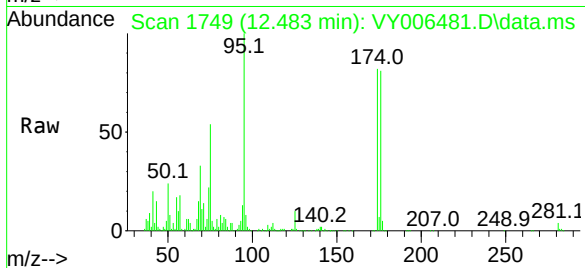




#62
4-Bromofluorobenzene
Concen: 53.354 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

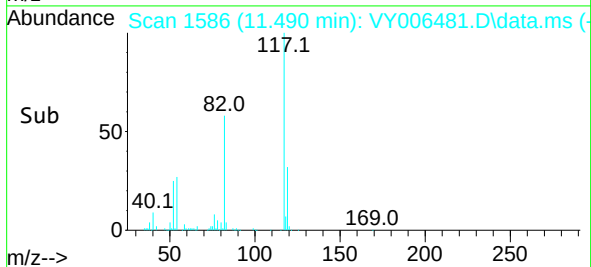
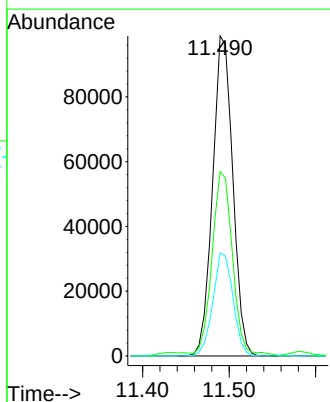
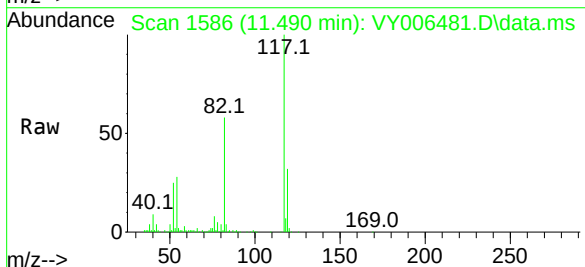
Instrument :
MSVOA_Y
ClientSampleId :

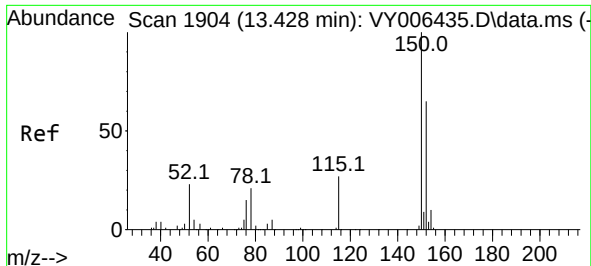
Tgt Ion: 95 Resp: 72368
Ion Ratio Lower Upper
95 100
174 82.3 0.0 177.0
176 80.0 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Tgt Ion: 117 Resp: 160016
Ion Ratio Lower Upper
117 100
82 57.4 45.7 68.5
119 32.1 25.5 38.3

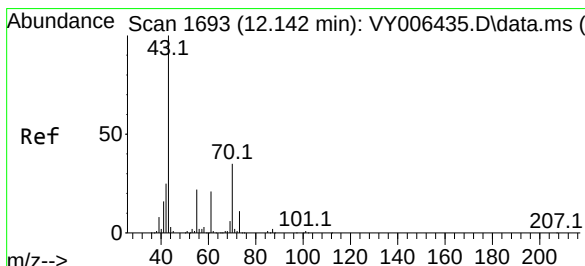
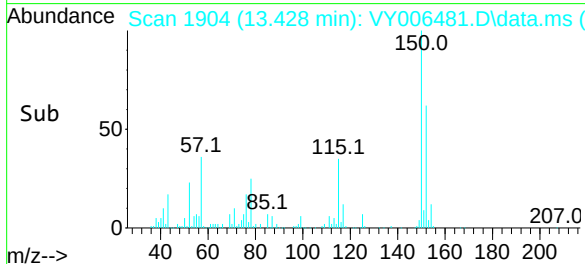
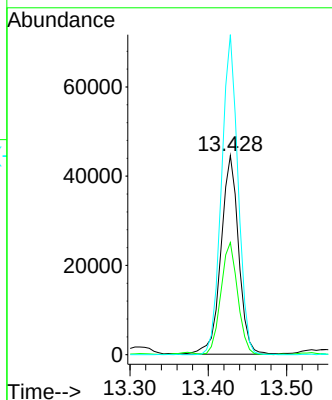
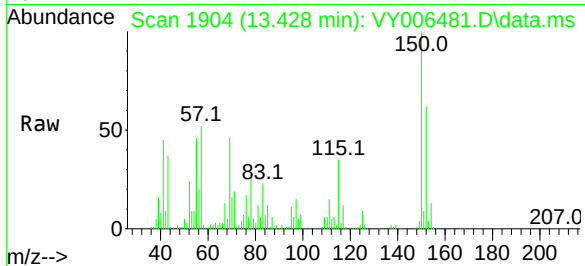




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13

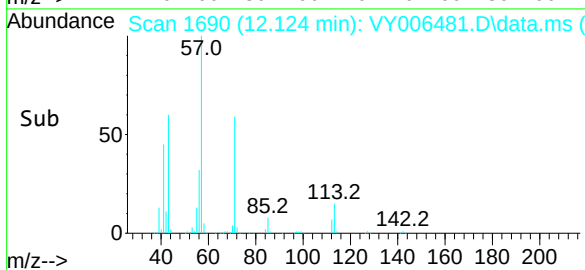
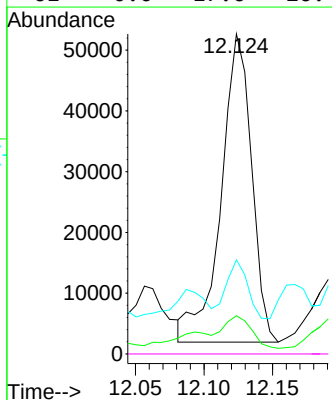
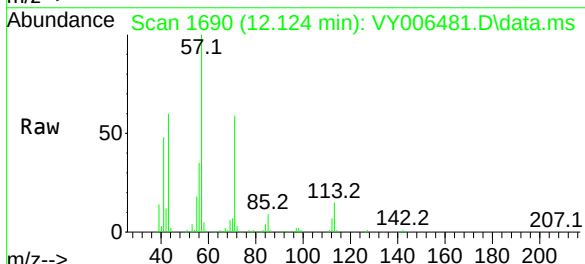
Instrument :
 MSVOA_Y
 ClientSampleId :

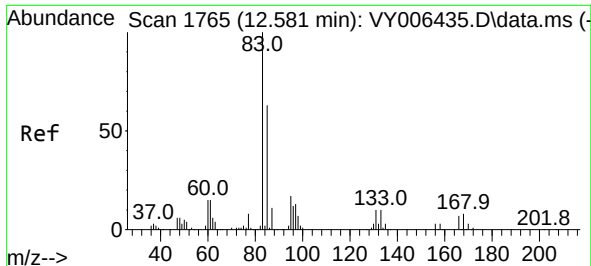
Tgt Ion:152 Resp: 69911
 Ion Ratio Lower Upper
 152 100
 115 54.0 28.5 85.5
 150 150.6 0.0 348.2



#74
 N-ethyl acetate
 Concen: 48.321 ug/l
 RT: 12.124 min Scan# 1690
 Delta R.T. -0.018 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13

Tgt Ion: 43 Resp: 78391
 Ion Ratio Lower Upper
 43 100
 70 9.7 29.4 44.0#
 55 13.2 18.1 27.1#
 61 0.0 17.6 26.4#

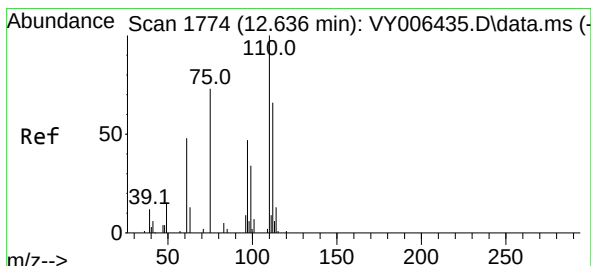
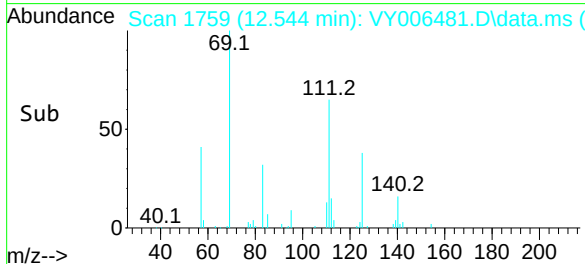
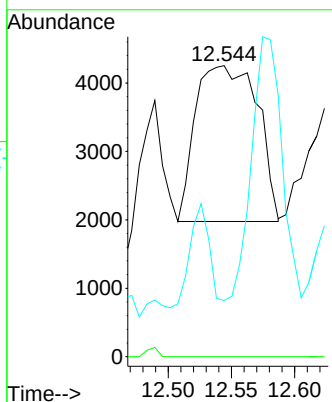
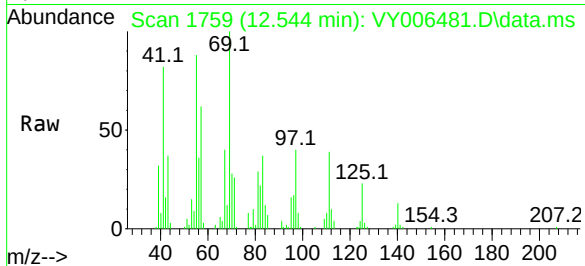




#75
 1,1,2,2-Tetrachloroethane
 Concen: 9.157 ug/l
 RT: 12.544 min Scan# 1759
 Delta R.T. -0.037 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13

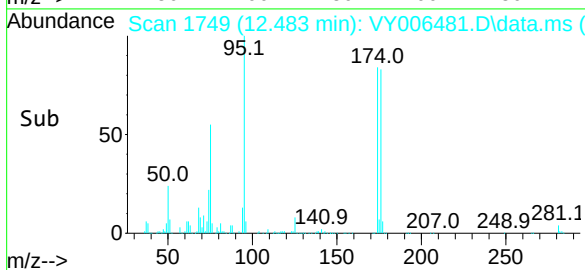
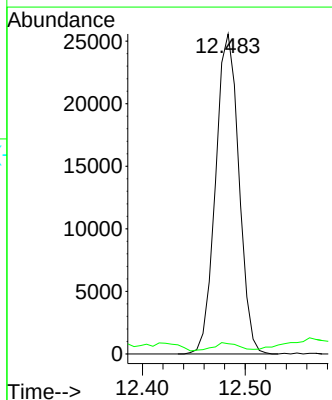
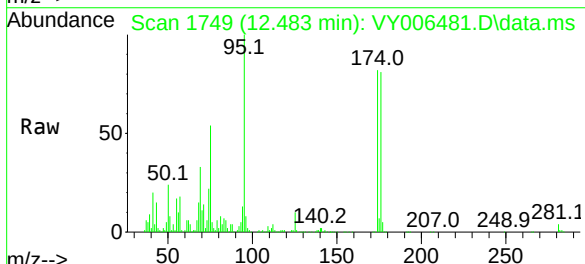
Instrument :
 MSVOA_Y
 ClientSampleId :

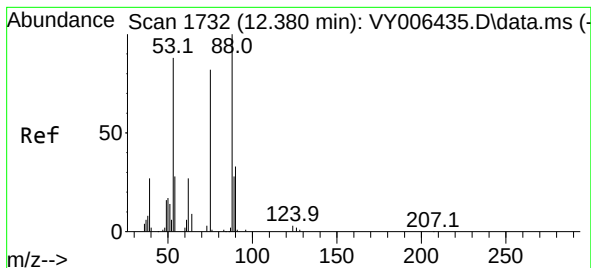
Tgt Ion: 83 Resp: 7753
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.4#
 85 21.2 31.9 95.9#



#76
 1,2,3-Trichloropropane
 Concen: 55.823 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13

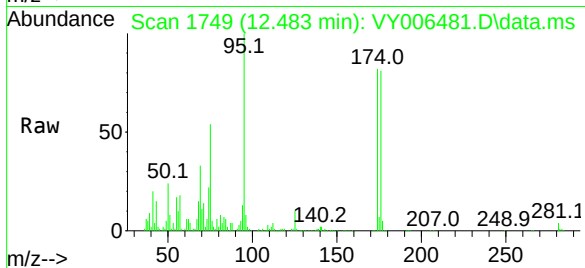
Tgt Ion: 75 Resp: 40216
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



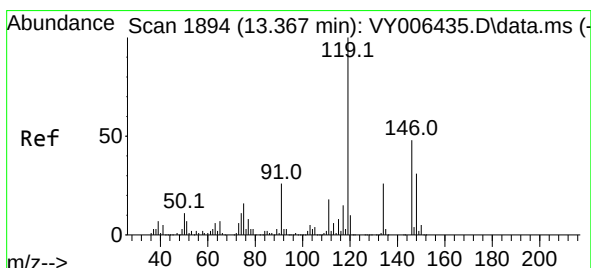
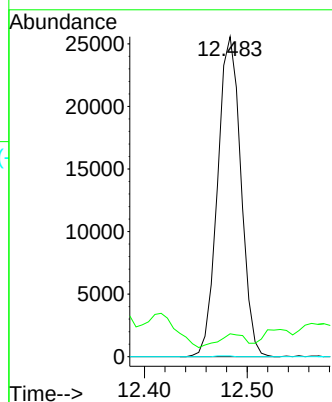
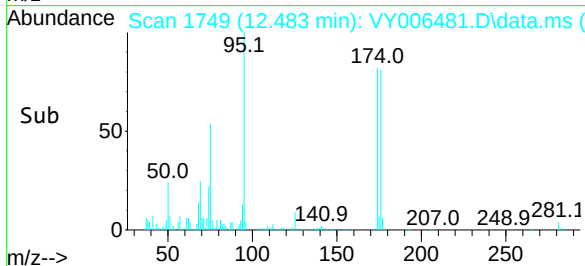


#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.603 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13

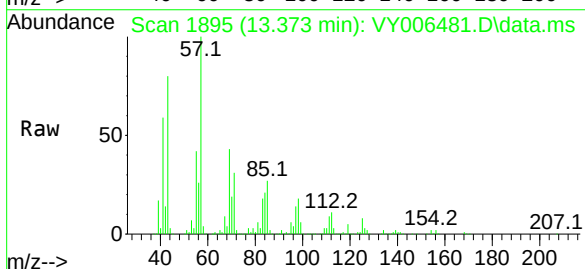
Instrument :
 MSVOA_Y
 ClientSampleId :



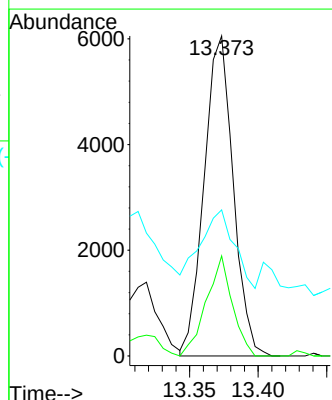
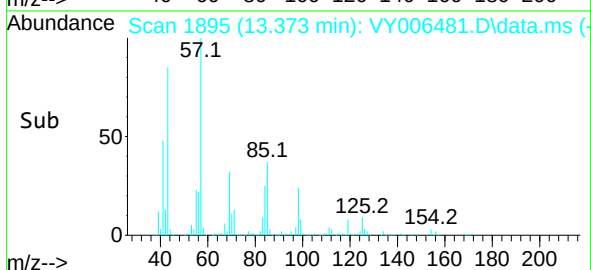
Tgt Ion: 75 Resp: 40216
 Ion Ratio Lower Upper
 75 100
 53 5.1 85.8 128.6#
 89 0.2 39.3 58.9#

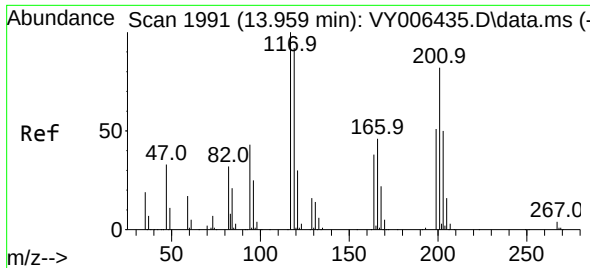


#86
 p-Isopropyltoluene
 Concen: 1.981 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13



Tgt Ion: 119 Resp: 8930
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.1 39.1
 91 31.9 12.4 37.4

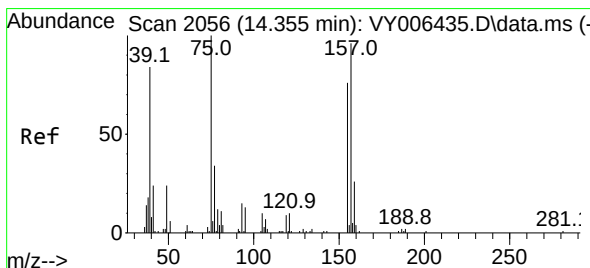
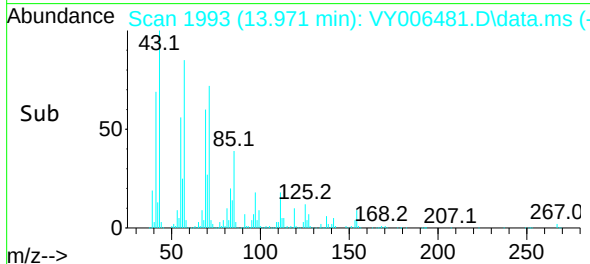
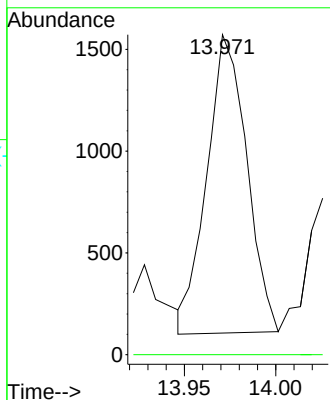
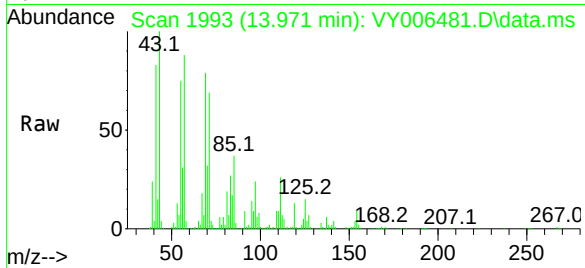




#90
Hexachloroethane
Concen: 2.731 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

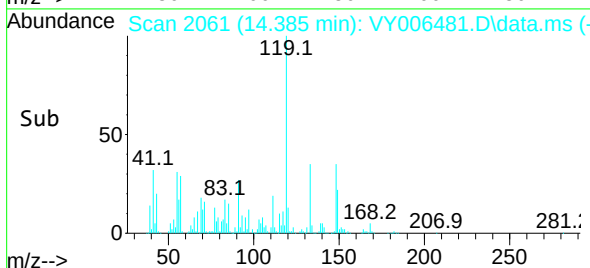
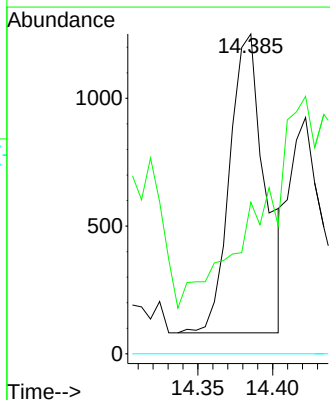
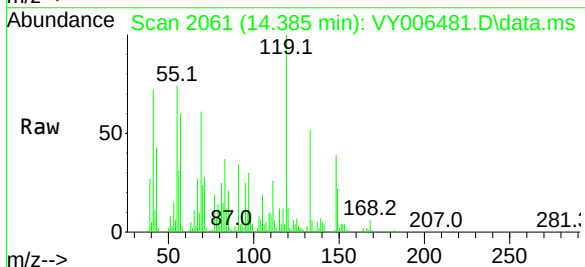
Instrument :
MSVOA_Y
ClientSampleId :

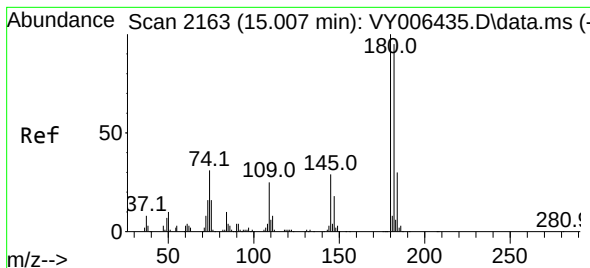
Tgt Ion:117 Resp: 2223
Ion Ratio Lower Upper
117 100
201 0.0 43.4 130.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 10.693 ug/l
RT: 14.385 min Scan# 2061
Delta R.T. 0.031 min
Lab File: VY006481.D
Acq: 26 Oct 2021 15:13

Tgt Ion: 75 Resp: 1922
Ion Ratio Lower Upper
75 100
155 0.0 39.0 116.9#
157 0.0 49.2 147.6#





#93

1,2,4-Trichlorobenzene

Concen: 2.060 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.012 min

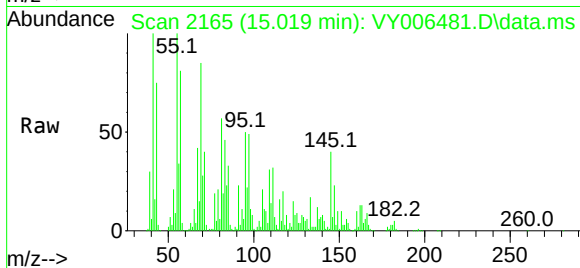
Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

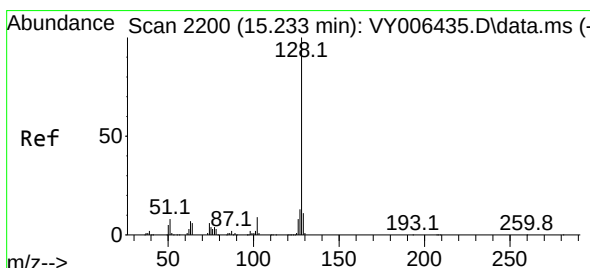
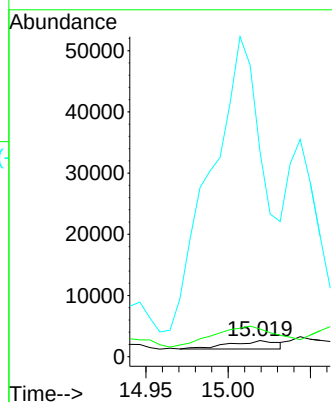
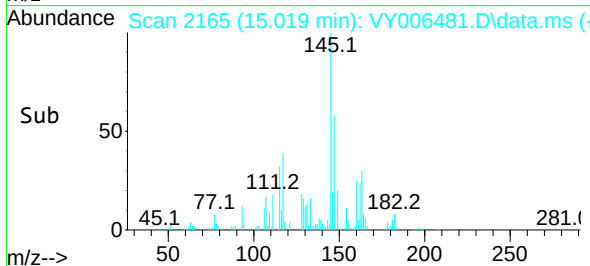
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	180	Resp:	2758
Ion Ratio	100	Lower	Upper
180	100		
182	341.8	47.1	141.4#
145	4476.7	14.5	43.6#



#95

Naphthalene

Concen: 7.645 ug/l

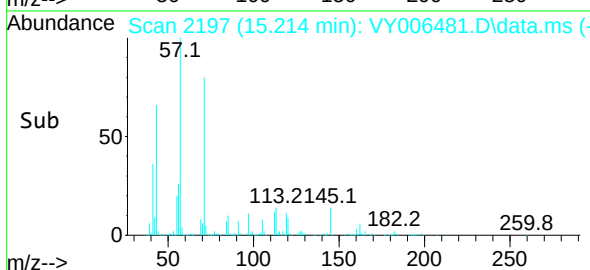
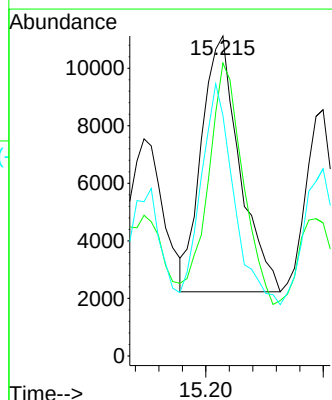
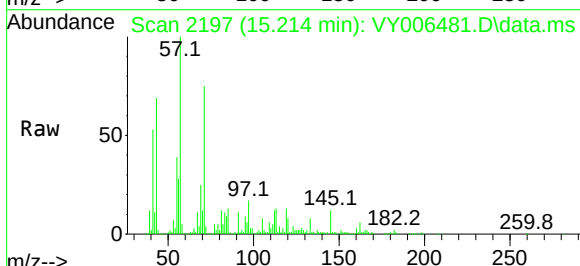
RT: 15.214 min Scan# 2197

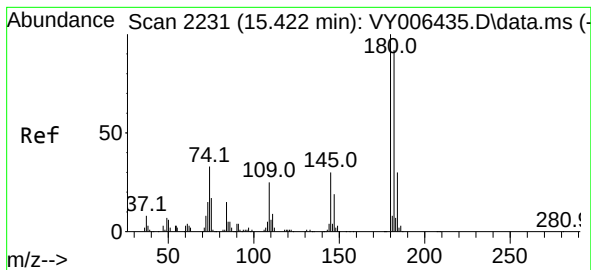
Delta R.T. -0.018 min

Lab File: VY006481.D

Acq: 26 Oct 2021 15:13

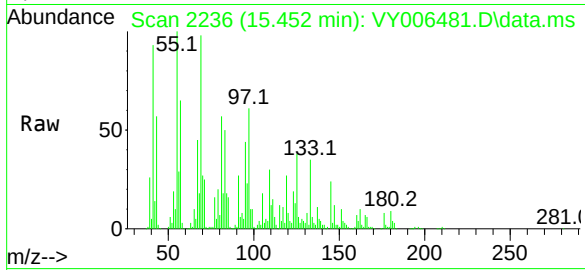
Tgt Ion:	128	Resp:	20036
Ion Ratio	100	Lower	Upper
128	100		
127	85.7	11.0	16.4#
129	73.7	8.9	13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 8.539 ug/l
 RT: 15.452 min Scan# 21
 Delta R.T. 0.031 min
 Lab File: VY006481.D
 Acq: 26 Oct 2021 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 10012
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.4#
 145 1102.5 15.3 45.8#

