

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004779.D
 Acq On : 14 May 2021 13:49
 Operator : SY/MD
 Sample : M2392-16
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 15 03:57:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

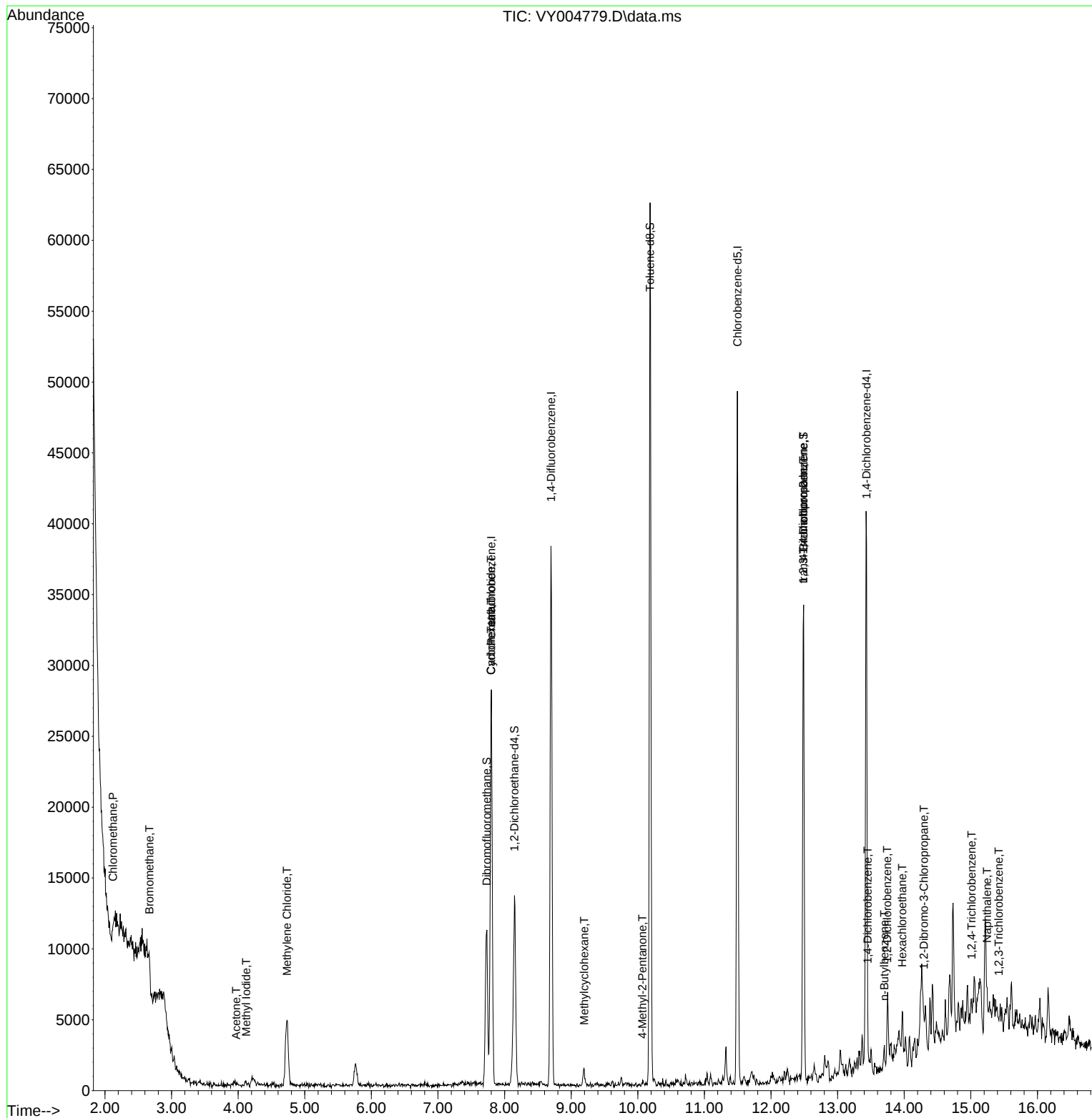
Internal Standards						
1) Pentafluorobenzene	7.801	168	19412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	30759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	24814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	9281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	9064	39.23	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.46%
35) Dibromofluoromethane	7.734	113	7849	46.61	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.22%
50) Toluene-d8	10.185	98	37476	49.27	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.54%
62) 4-Bromofluorobenzene	12.489	95	9318	36.29	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.58%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	594	2.06	ug/l	98
5) Bromomethane	2.668	94	369	2.45	ug/l #	67
10) Methyl Iodide	4.119	142	492	2.32	ug/l #	83
16) Acetone	3.972	43	431	8.30	ug/l #	71
20) Methylene Chloride	4.734	84	3439	6.95	ug/l	94
31) Cyclohexane	7.795	56	654	1.75	ug/l #	49
38) Carbon Tetrachloride	7.795	117	2093	7.39	ug/l #	12
39) Methylcyclohexane	9.197	83	569	1.66	ug/l #	61
51) 4-Methyl-2-Pentanone	10.069	43	259	1.20	ug/l #	61
76) 1,2,3-Trichloropropane	12.483	75	5495	55.74	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5495	96.65	ug/l #	13
88) 1,4-Dichlorobenzene	13.452	146	348	1.14	ug/l #	54
89) n-Butylbenzene	13.702	91	711	1.16	ug/l	85
90) Hexachloroethane	13.970	117	99	1.12	ug/l #	14
91) 1,2-Dichlorobenzene	13.745	146	310	1.13	ug/l #	72
92) 1,2-Dibromo-3-Chloropr...	14.294	75	43	1.65	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.013	180	426	2.42	ug/l #	62
95) Naphthalene	15.245	128	1651	4.33	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.421	180	341	2.19	ug/l #	29

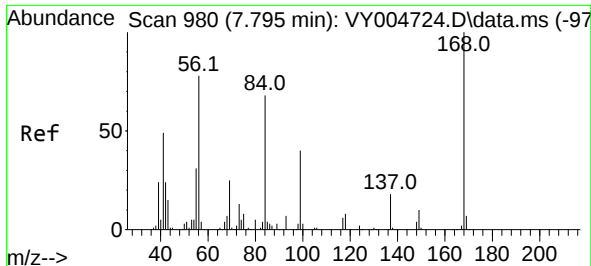
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
Data File : VY004779.D
Acq On : 14 May 2021 13:49
Operator : SY/MD
Sample : M2392-16
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 15 03:57:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

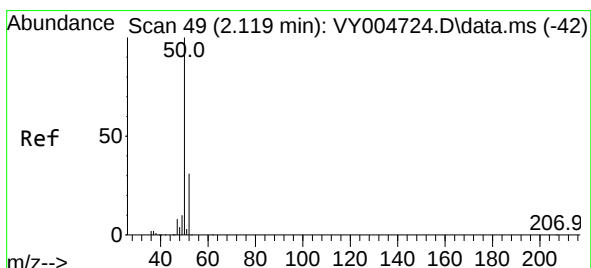
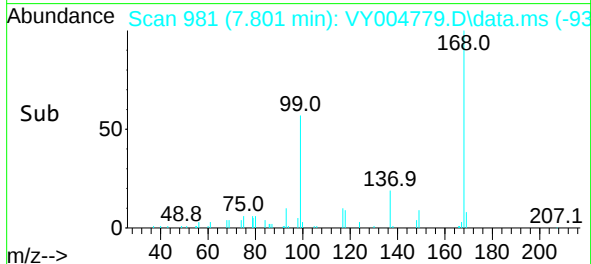
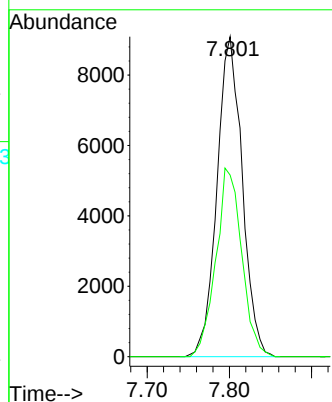
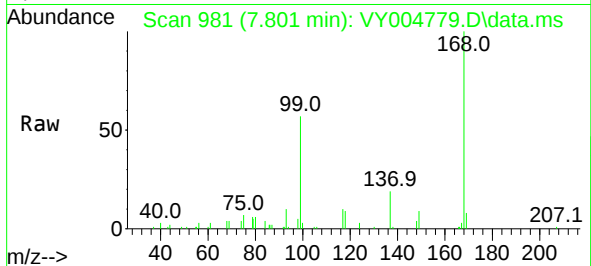




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

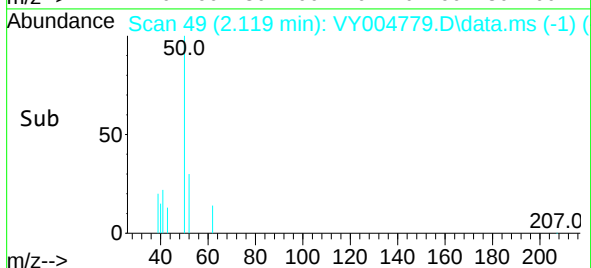
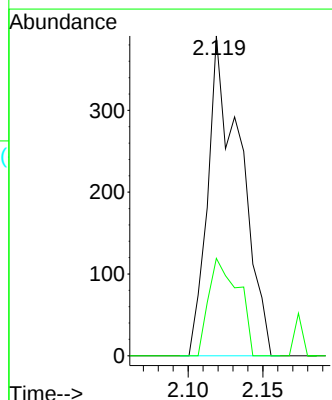
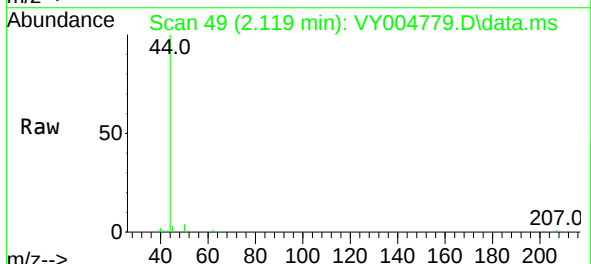
Instrument :
MSVOA_Y
ClientSampled :

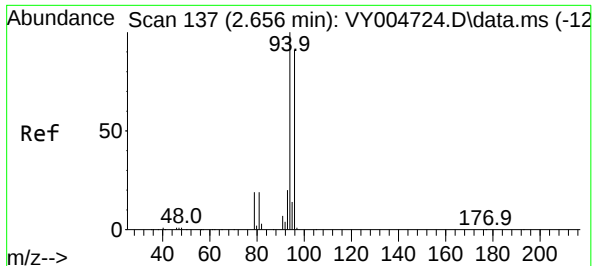
Tgt Ion:168 Resp: 19412
Ion Ratio Lower Upper
168 100
99 56.8 45.6 68.4



#3
Chloromethane
Concen: 2.06 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

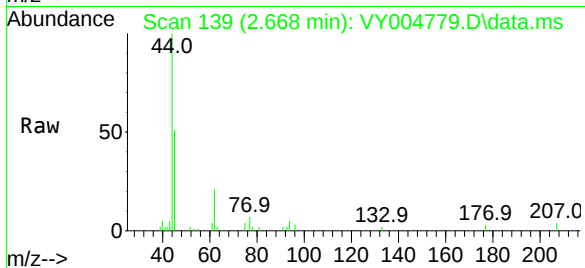
Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 30.4 25.0 37.6



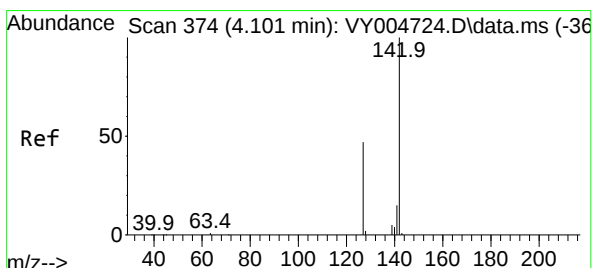
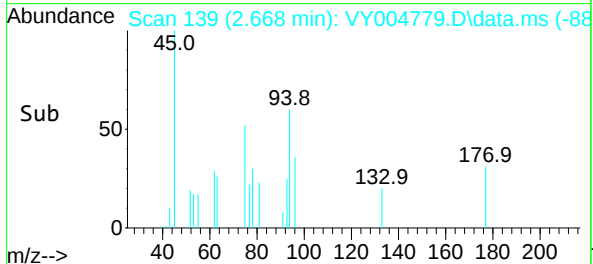
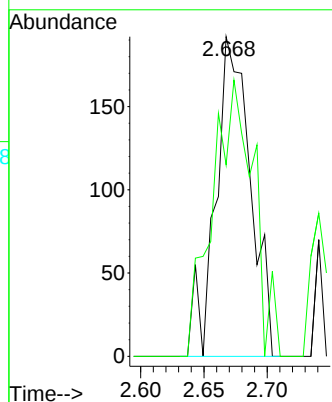


#5
Bromomethane
Concen: 2.45 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Instrument :
MSVOA_Y
ClientSampleId :

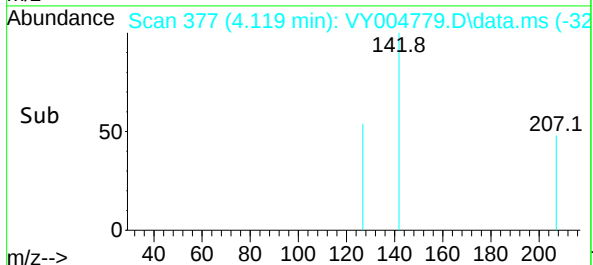
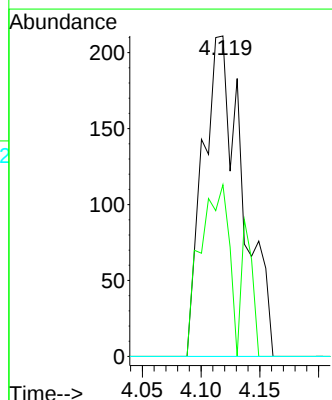
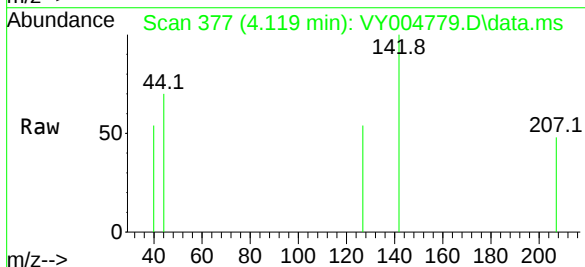


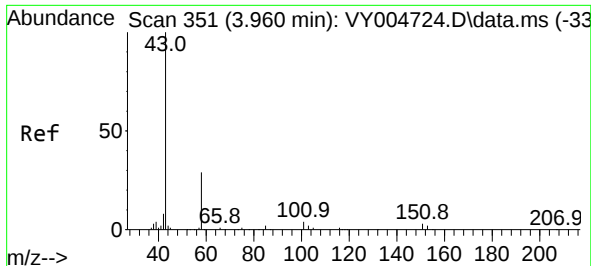
Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 59.9 72.6 109.0#



#10
Methyl Iodide
Concen: 2.32 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.018 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Tgt Ion:142 Resp: 492
Ion Ratio Lower Upper
142 100
127 38.8 37.1 55.7
141 0.0 11.9 17.9#

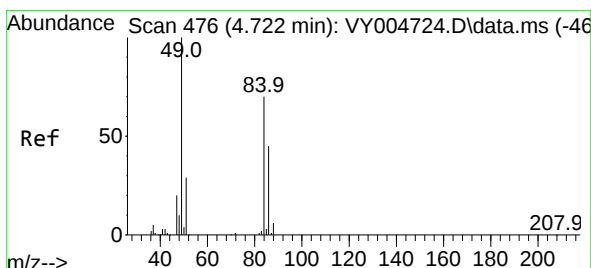
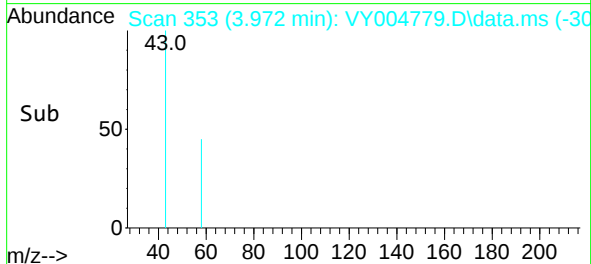
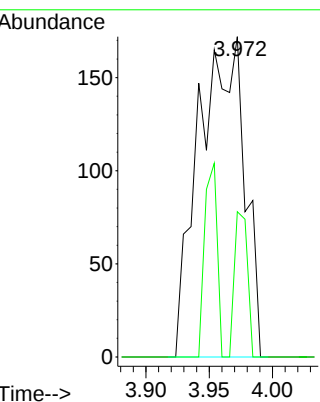
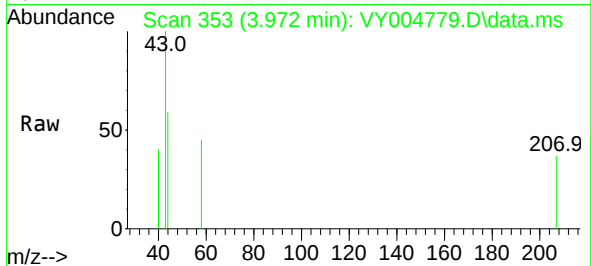




#16
Acetone
Concen: 8.30 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

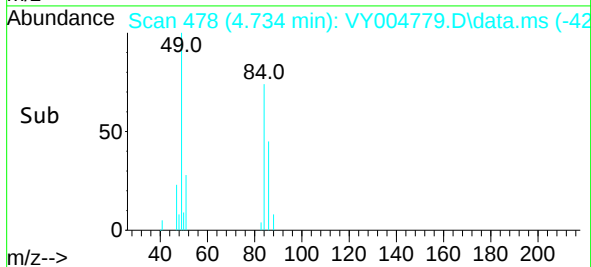
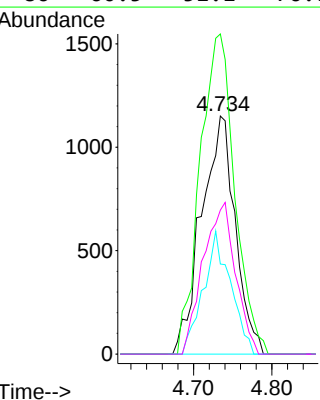
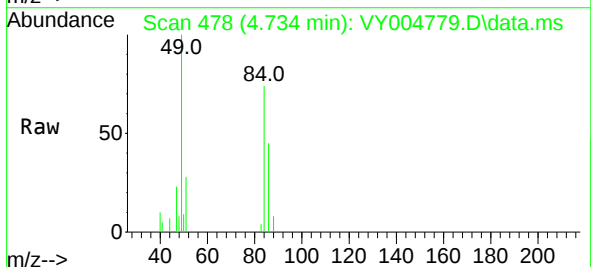
Instrument :
MSVOA_Y
ClientSampled :

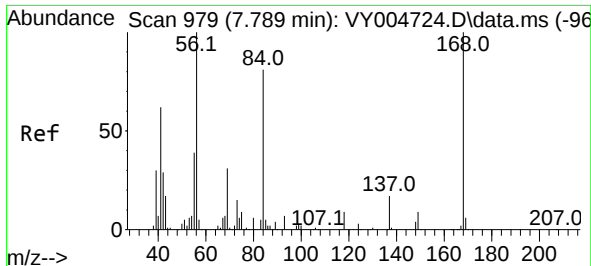
Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
58 45.3 23.6 35.4#



#20
Methylene Chloride
Concen: 6.95 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

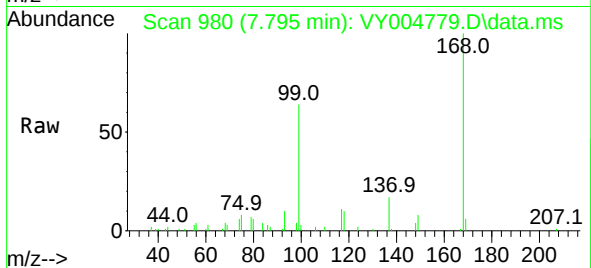
Tgt Ion: 84 Resp: 3439
Ion Ratio Lower Upper
84 100
49 134.5 113.8 170.8
51 37.8 33.5 50.3
86 60.5 51.1 76.7



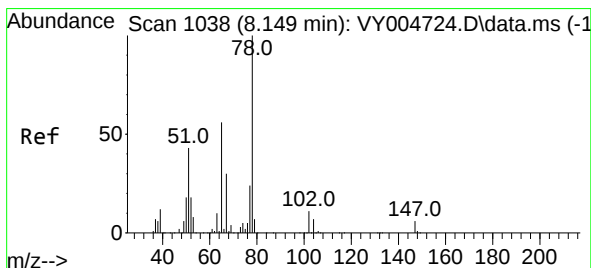
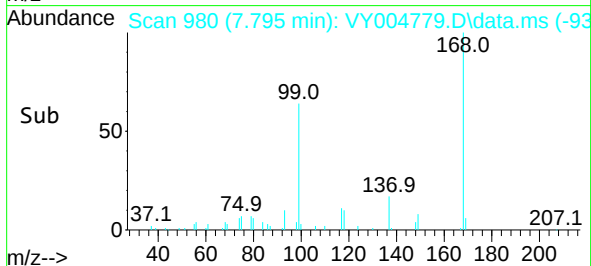
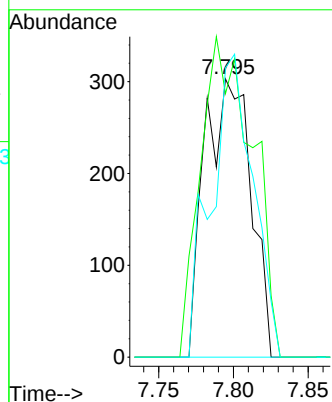


#31
Cyclohexane
Concen: 1.75 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Instrument :
MSVOA_Y
ClientSampleId :

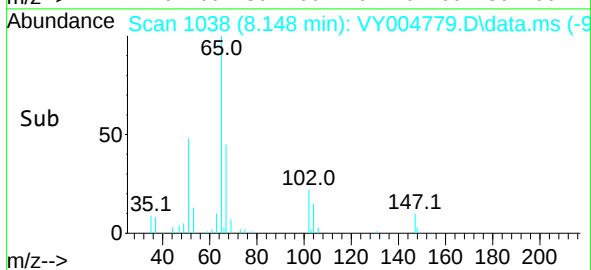
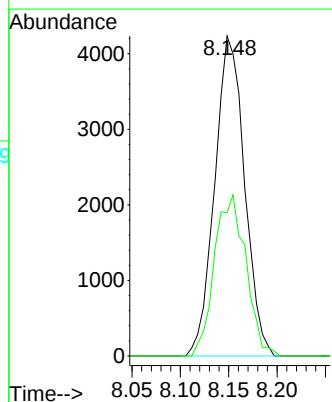
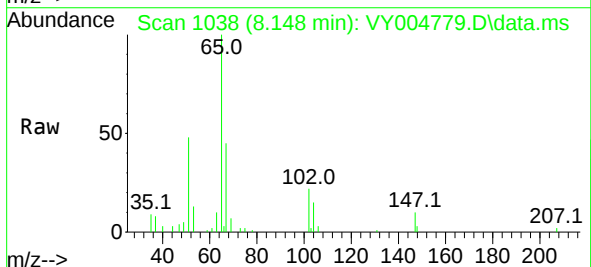


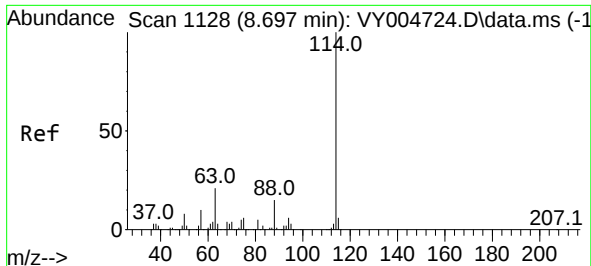
Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
69 94.7 24.4 36.6#
84 104.0 64.8 97.2#



#33
1,2-Dichloroethane-d4
Concen: 39.23 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

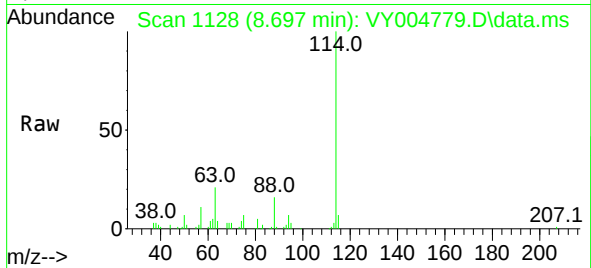
Tgt Ion: 65 Resp: 9064
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.0



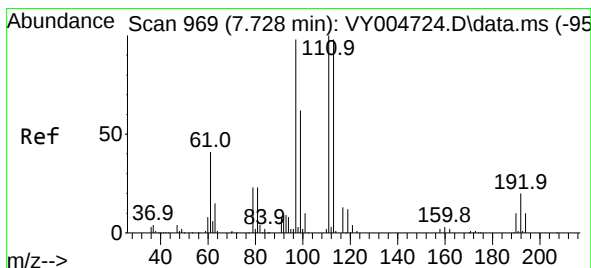
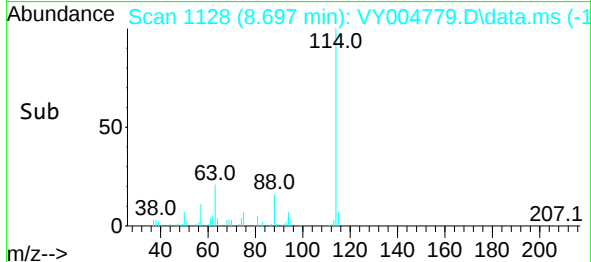
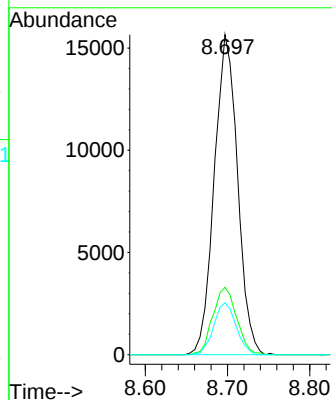


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Instrument :
MSVOA_Y
ClientSampleId :

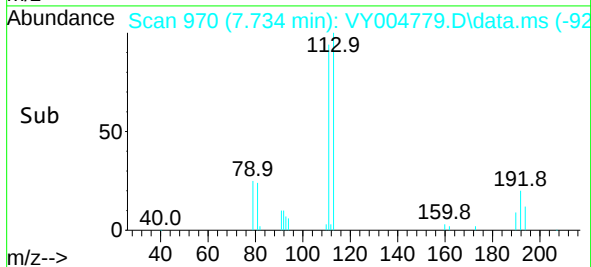
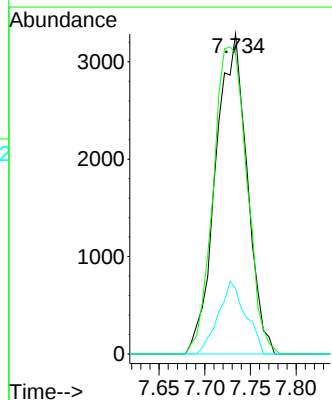
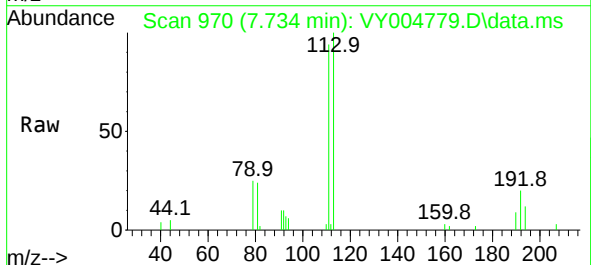


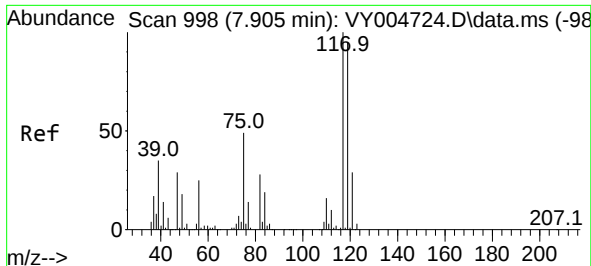
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.8
88	16.2	0.0	31.0



#35
Dibromofluoromethane
Concen: 46.61 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

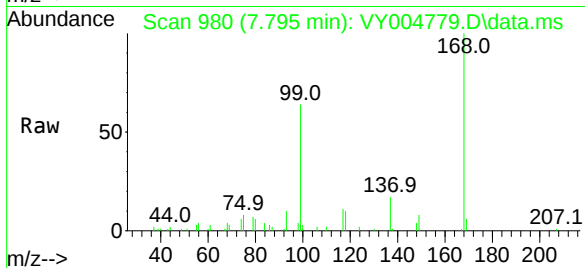
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.5	120.7
192	19.7	15.0	22.6



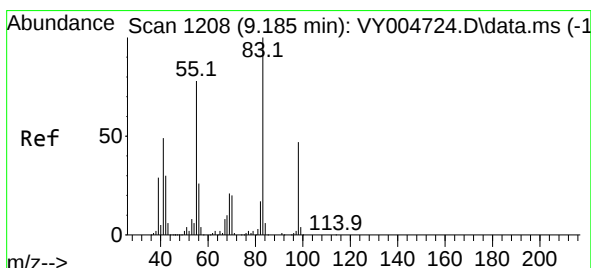
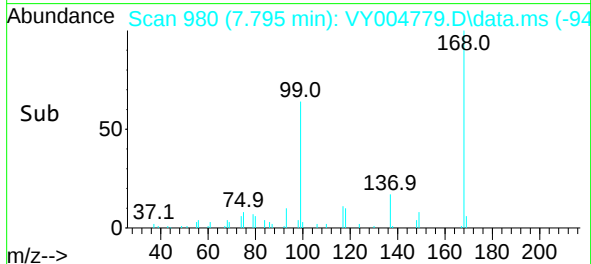
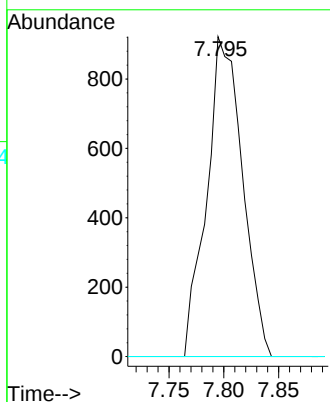


#38
Carbon Tetrachloride
Concen: 7.39 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Instrument :
MSVOA_Y
ClientSampleId :

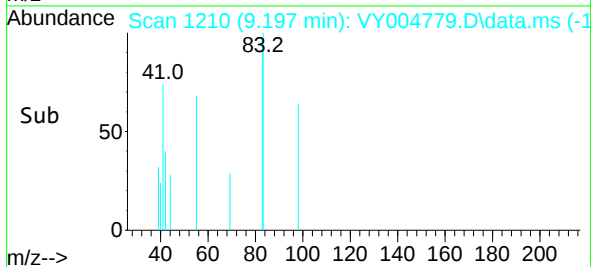
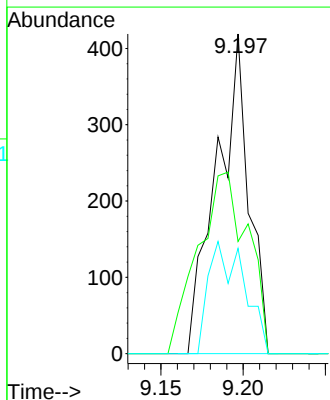
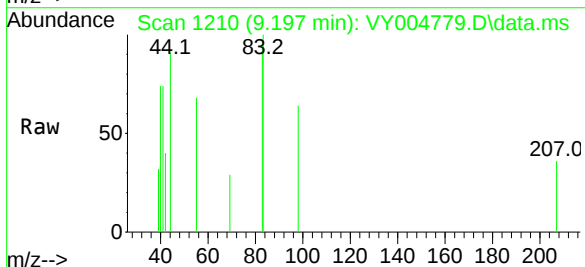


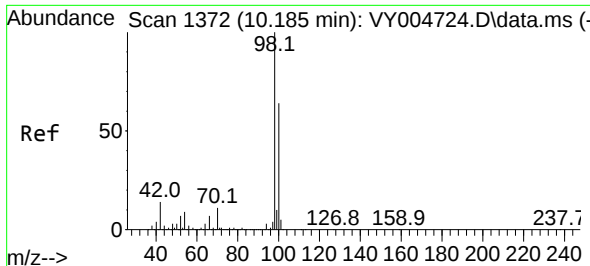
Tgt Ion: 117 Resp: 2093
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 1.66 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. 0.012 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Tgt Ion: 83 Resp: 569
Ion Ratio Lower Upper
83 100
55 35.1 62.6 94.0#
98 32.9 37.8 56.6#

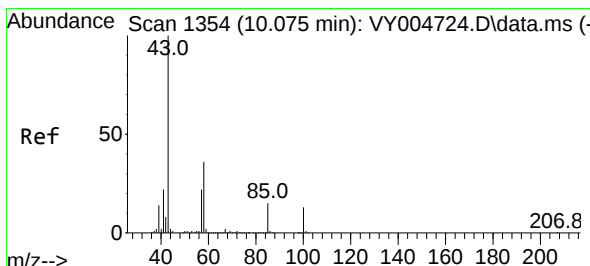
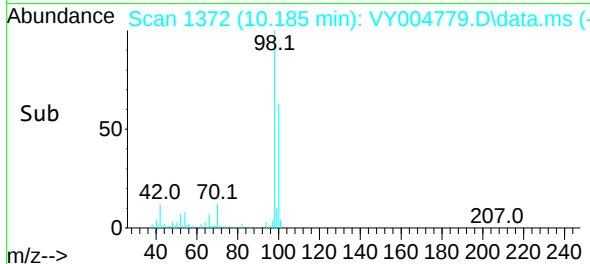
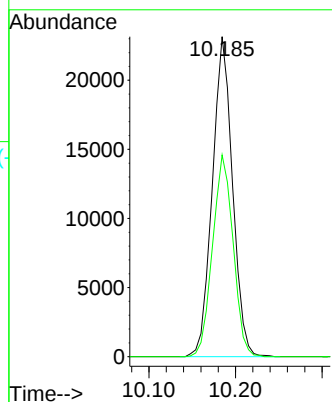
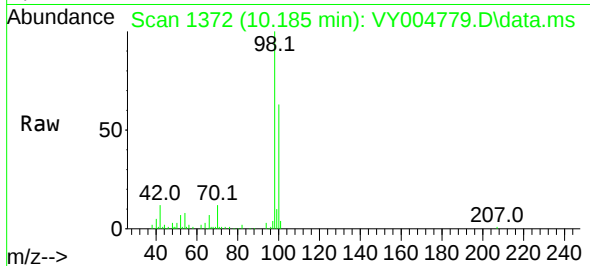




#50
Toluene-d8
Concen: 49.27 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

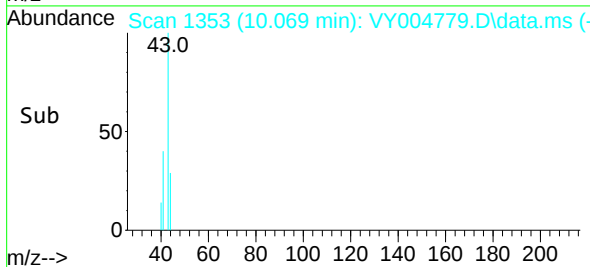
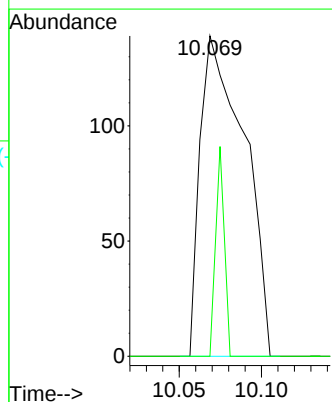
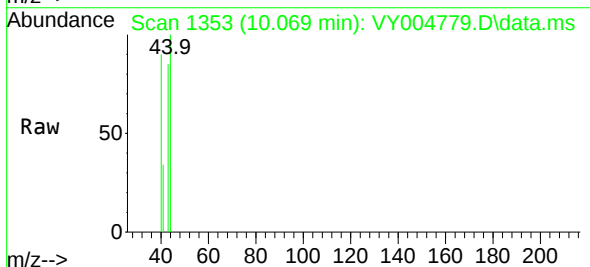
Instrument :
MSVOA_Y
ClientSampleId :

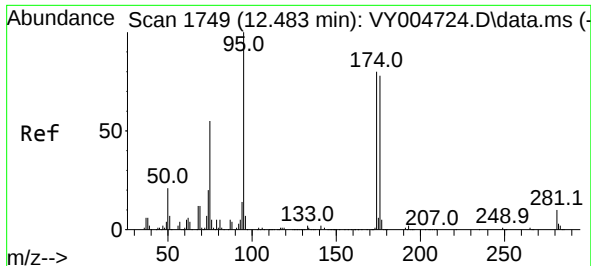
Tgt Ion: 98 Resp: 37476
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.20 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
58 12.7 28.7 43.1#

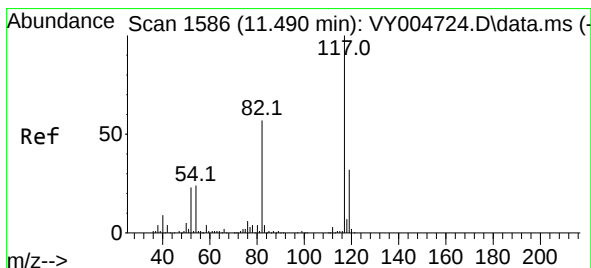
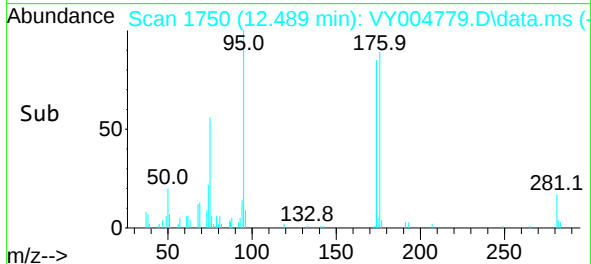
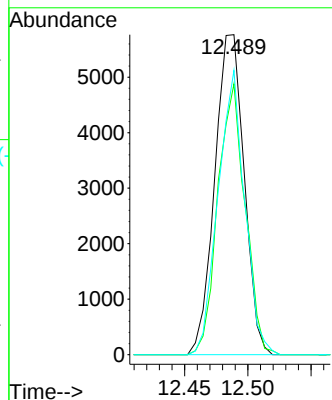
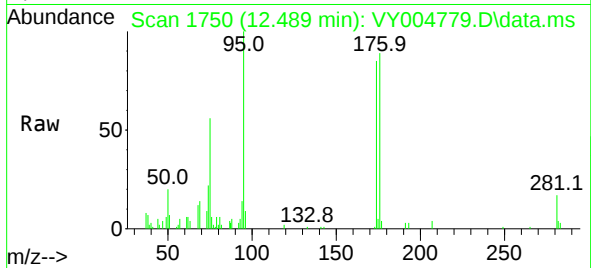




#62
4-Bromofluorobenzene
Concen: 36.29 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

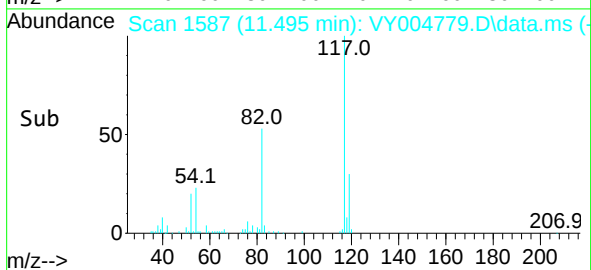
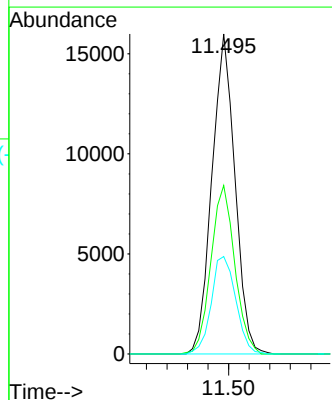
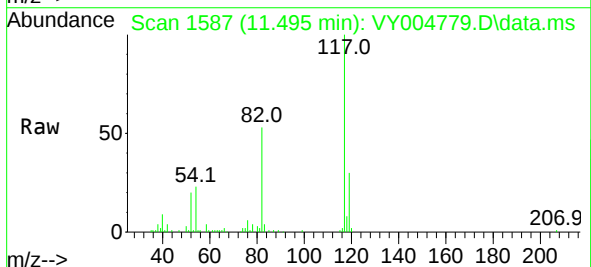
Instrument :
MSVOA_Y
ClientSampleId :

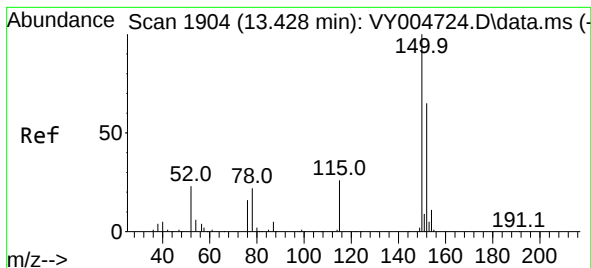
Tgt Ion: 95 Resp: 9318
Ion Ratio Lower Upper
95 100
174 78.4 0.0 164.2
176 80.3 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Tgt Ion:117 Resp: 24814
Ion Ratio Lower Upper
117 100
82 52.6 45.4 68.2
119 30.5 25.8 38.6

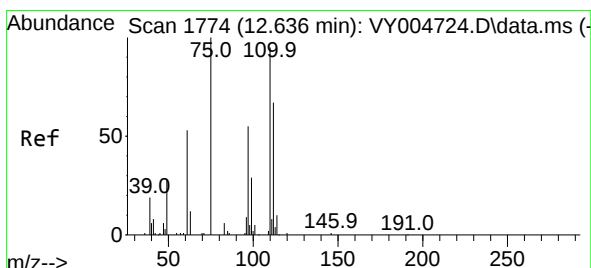
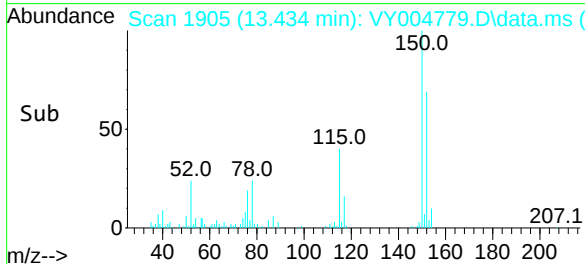
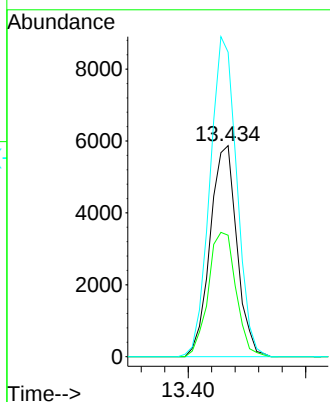
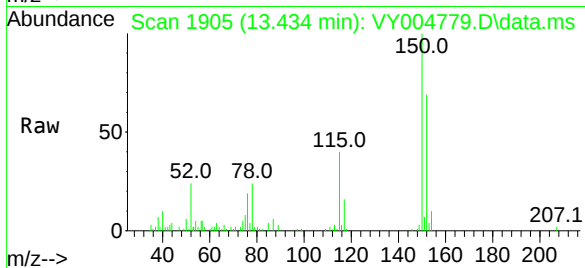




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

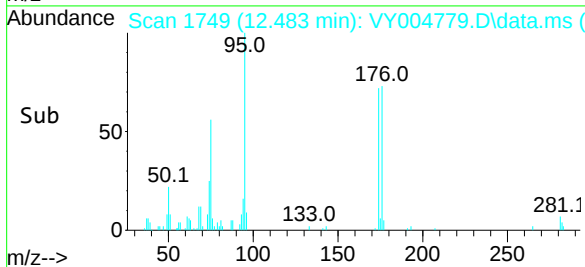
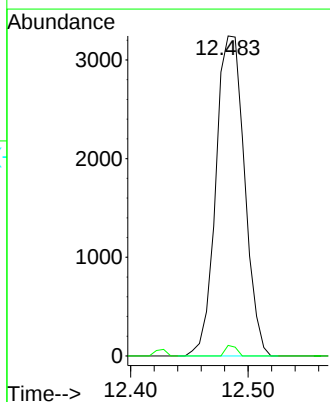
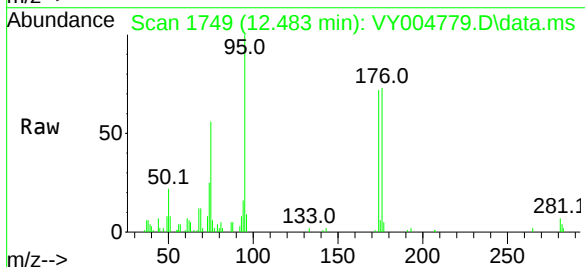
Instrument :
MSVOA_Y
ClientSampleId :

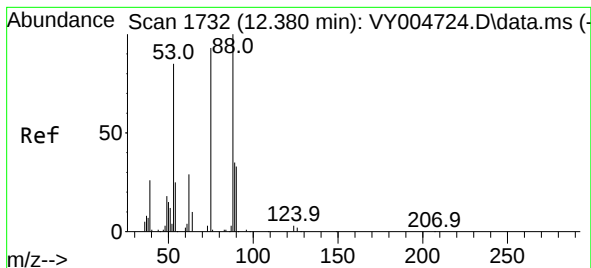
Tgt Ion:152 Resp: 9281
Ion Ratio Lower Upper
152 100
115 61.0 29.4 88.3
150 152.0 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 55.74 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Tgt Ion: 75 Resp: 5495
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

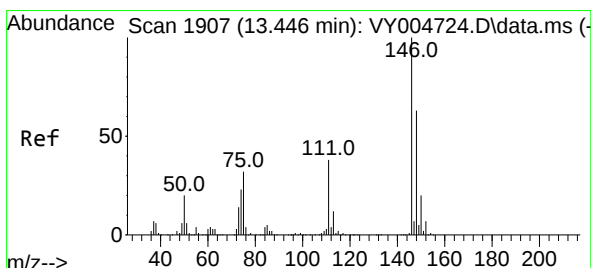
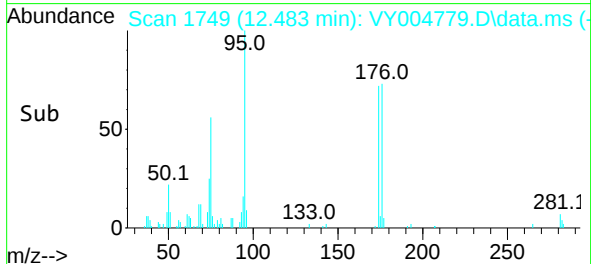
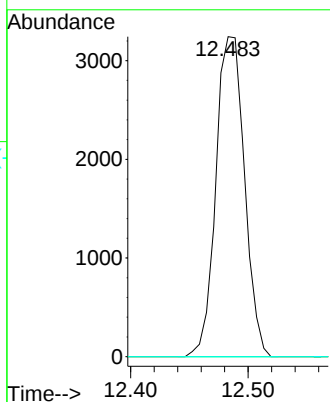
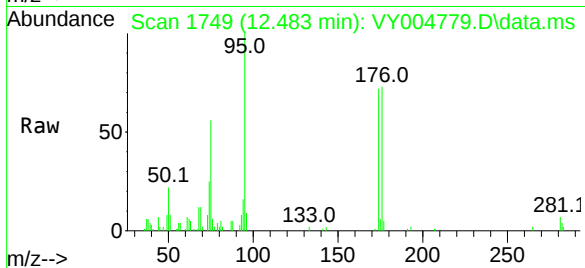




#81
trans-1,4-Dichloro-2-butene
Concen: 96.65 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

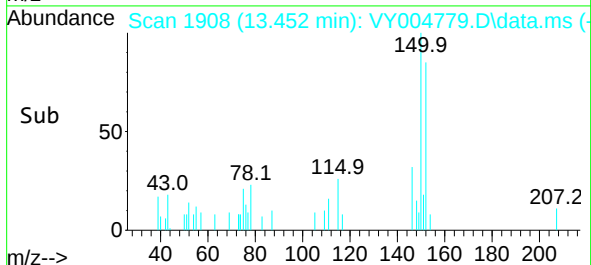
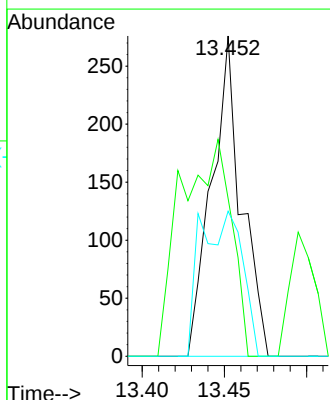
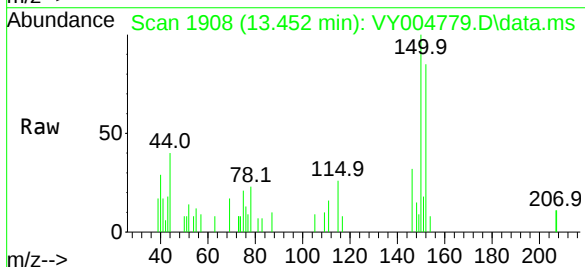
Instrument :
MSVOA_Y
ClientSampleId :

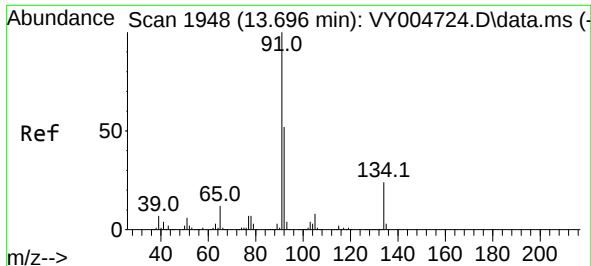
Tgt Ion: 75 Resp: 5495
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: 1.14 ug/l
RT: 13.452 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Tgt Ion:146 Resp: 348
Ion Ratio Lower Upper
146 100
111 113.5 19.6 58.8#
148 63.5 31.9 95.5

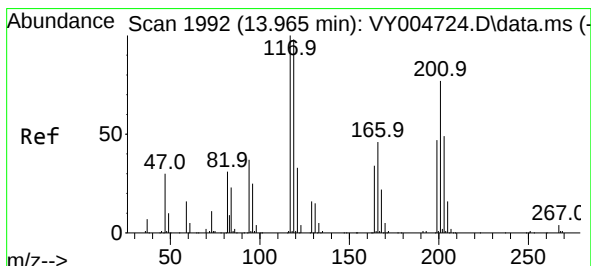
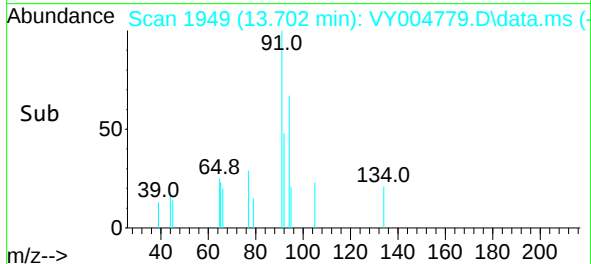
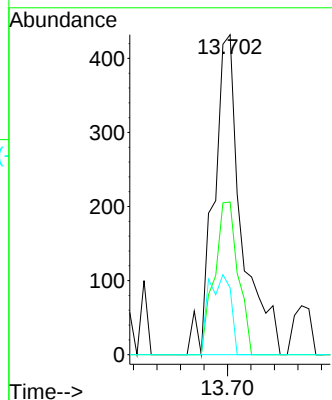
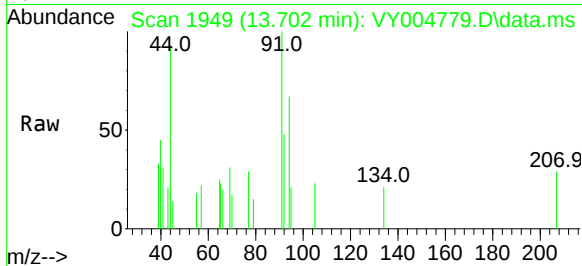




#89
n-Butylbenzene
Concen: 1.16 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

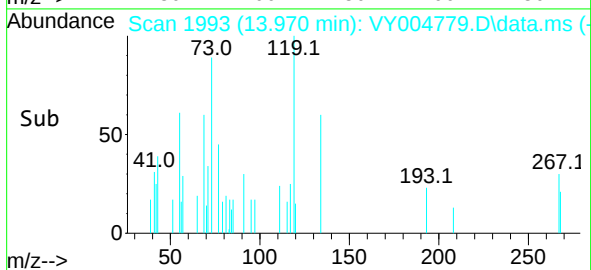
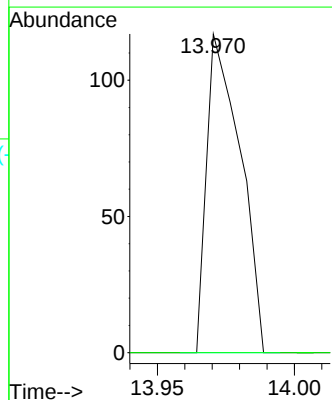
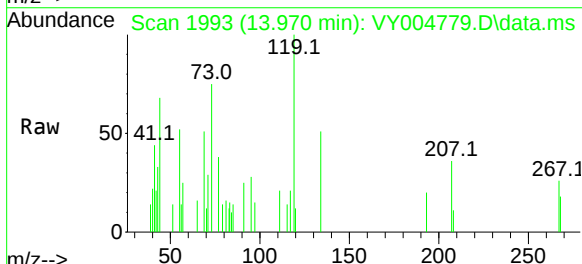
Instrument :
MSVOA_Y
ClientSampleId :

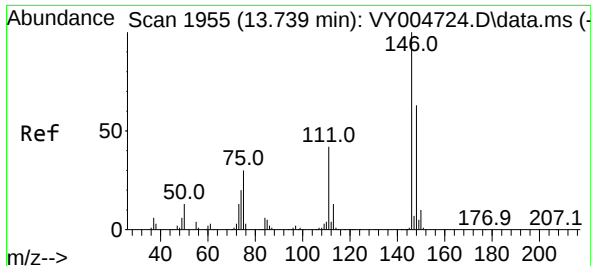
Tgt Ion:	91	Resp:	711
Ion	Ratio	Lower	Upper
91	100		
92	40.4	26.4	79.0
134	19.5	12.6	37.6



#90
Hexachloroethane
Concen: 1.12 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

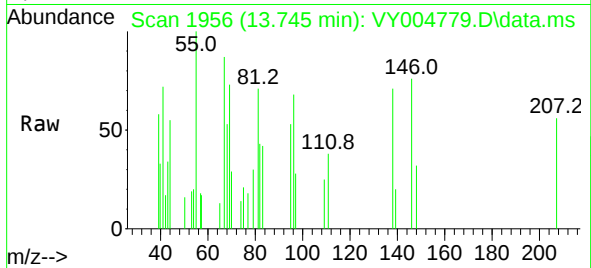
Tgt Ion:	117	Resp:	99
Ion	Ratio	Lower	Upper
117	100		
201	0.0	35.9	107.8#



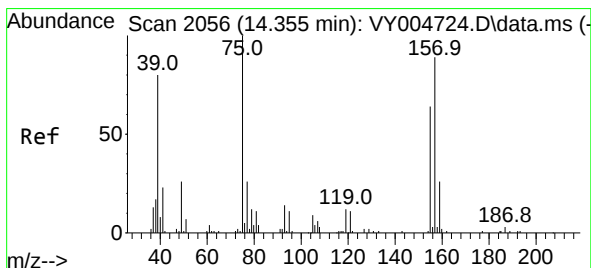
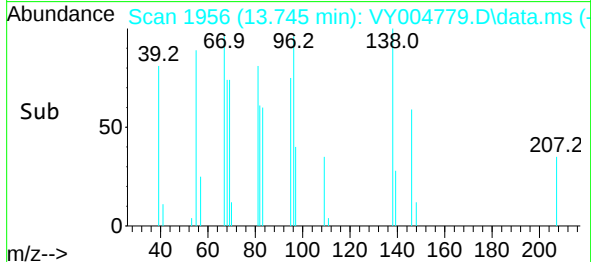
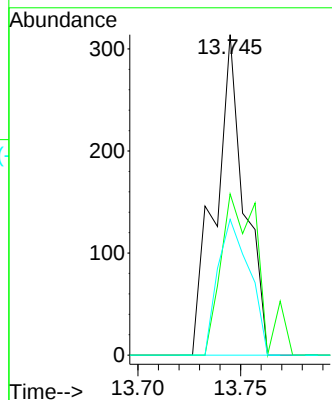


#91
1,2-Dichlorobenzene
Concen: 1.13 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

Instrument :
MSVOA_Y
ClientSampled :

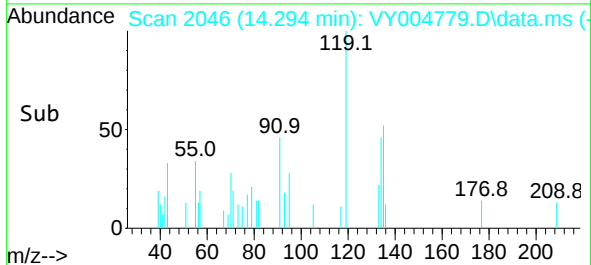
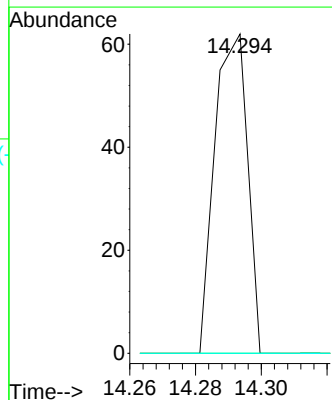
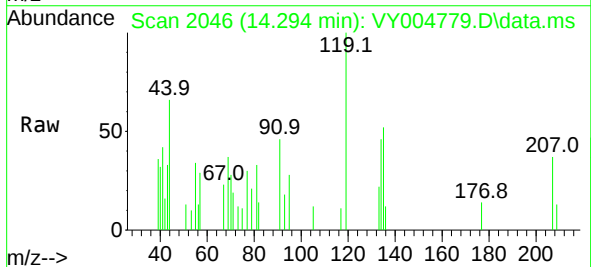


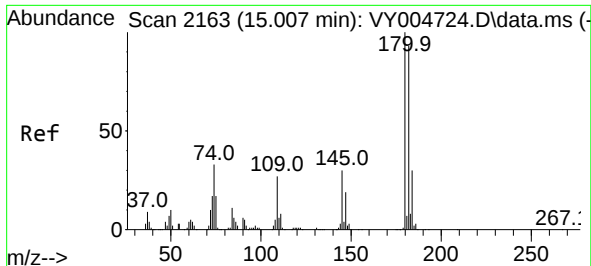
Tgt Ion:146 Resp: 310
Ion Ratio Lower Upper
146 100
111 64.5 20.9 62.7#
148 45.8 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.65 ug/l
RT: 14.294 min Scan# 2046
Delta R.T. -0.061 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

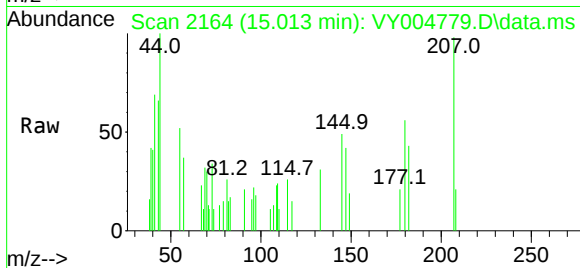
Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 0.0 50.2 150.7#



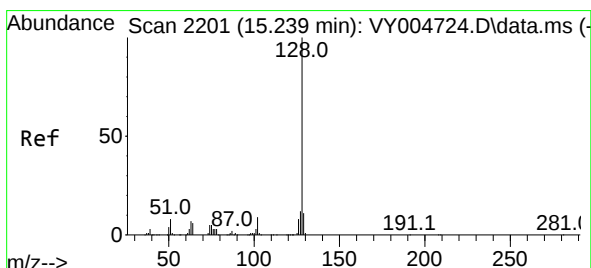
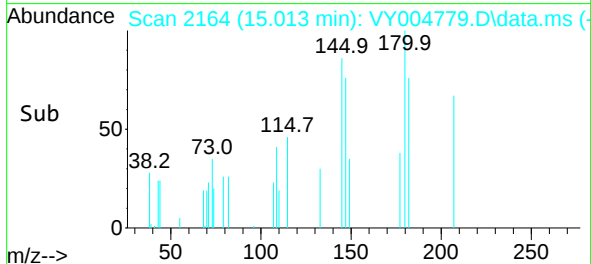
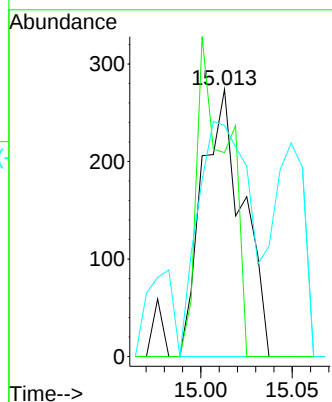


#93
1,2,4-Trichlorobenzene
Concen: 2.42 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49

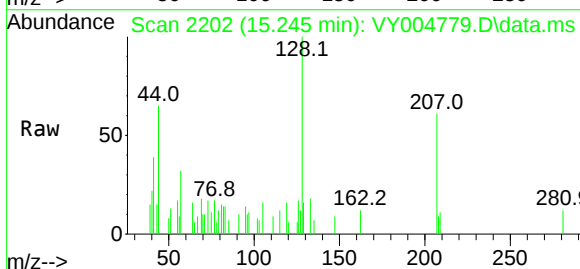
Instrument :
MSVOA_Y
ClientSampleId :



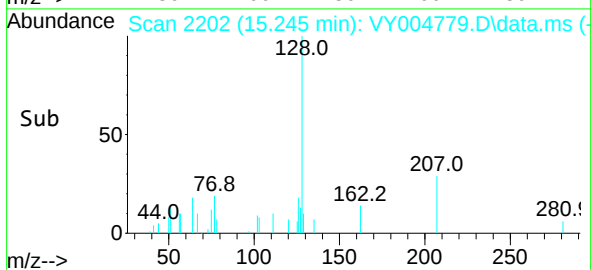
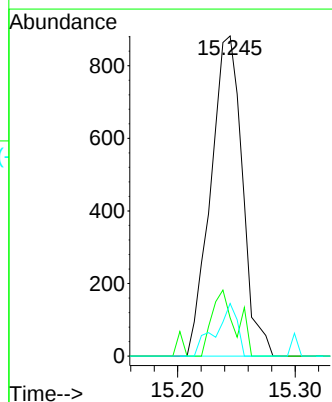
Tgt Ion:180 Resp: 426
Ion Ratio Lower Upper
180 100
182 89.7 46.9 140.8
145 108.9 15.4 46.4#

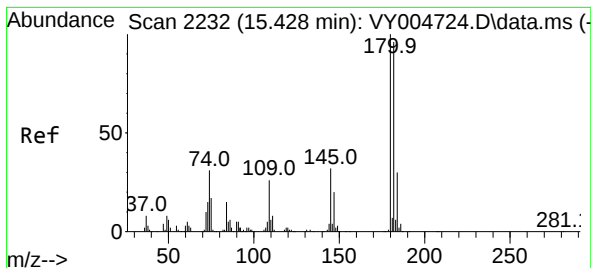


#95
Naphthalene
Concen: 4.33 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY004779.D
Acq: 14 May 2021 13:49



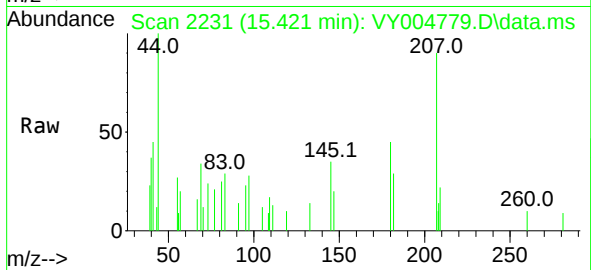
Tgt Ion:128 Resp: 1651
Ion Ratio Lower Upper
128 100
127 15.6 10.2 15.2#
129 11.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.19 ug/l
 RT: 15.421 min Scan# 2231
 Delta R.T. -0.006 min
 Lab File: VY004779.D
 Acq: 14 May 2021 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	341
Ion	Ratio	Lower	Upper
180	100		
182	104.1	47.9	143.7
145	175.7	16.3	48.8#

