

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050421\
 Data File : VY004705.D
 Acq On : 04 May 2021 11:15
 Operator : SY/MD
 Sample : M2234-02
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 01:31:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

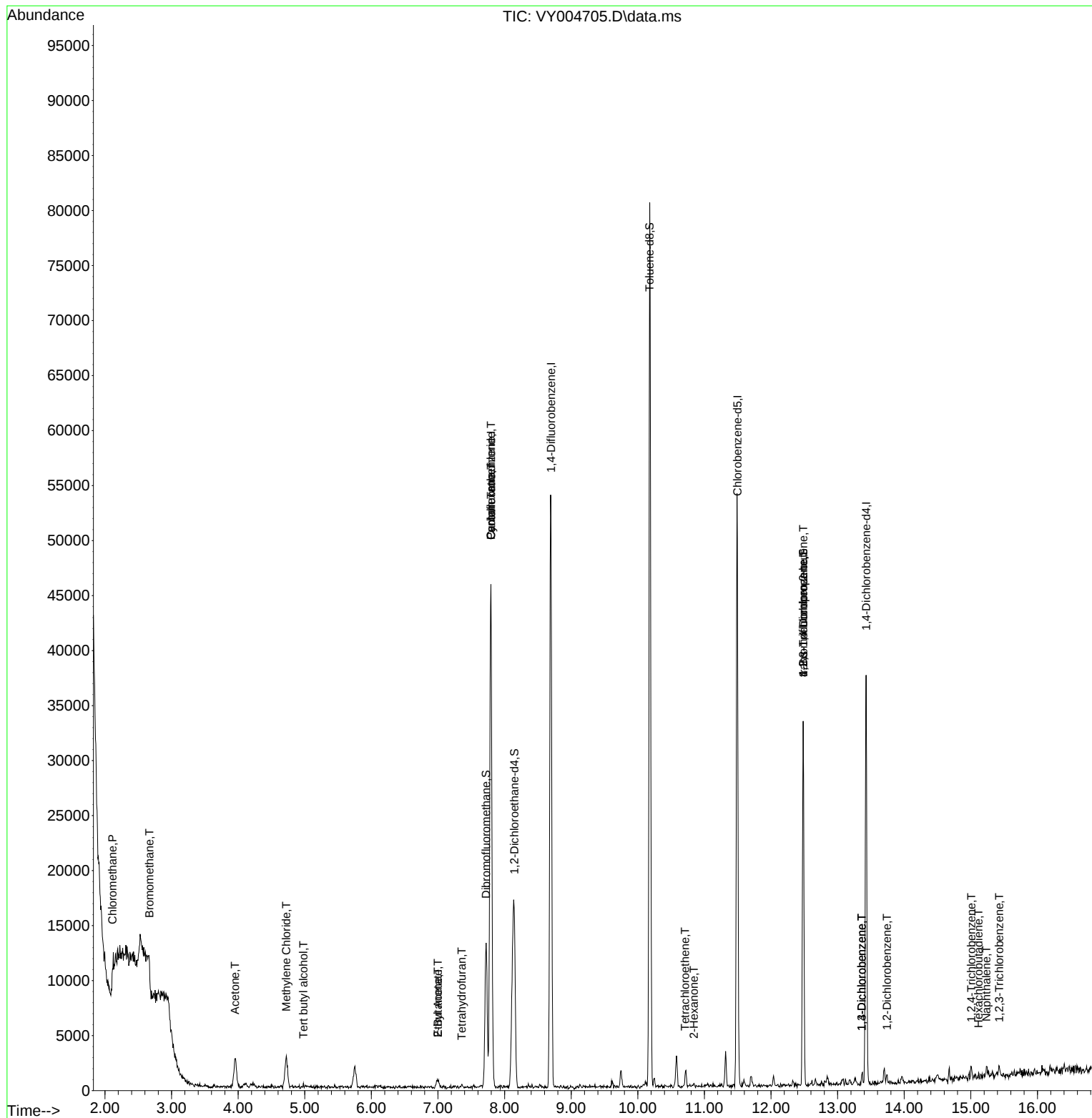
Internal Standards						
1) Pentafluorobenzene	7.795	168	34280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	44401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	27221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	10789	28.33	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	56.66%		
35) Dibromofluoromethane	7.722	113	9183	37.27	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	74.54%		
50) Toluene-d8	10.179	98	49537	47.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.52%		
62) 4-Bromofluorobenzene	12.483	95	9258	26.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	52.06%		
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	801	1.74	ug/l #	87
5) Bromomethane	2.668	94	464	1.96	ug/l #	60
11) Tert butyl alcohol	4.978	59	43	1.15	ug/l #	73
16) Acetone	3.954	43	4887	44.66	ug/l	97
20) Methylene Chloride	4.722	84	1723	4.68	ug/l #	87
25) 2-Butanone	6.996	43	1429	9.85	ug/l	91
29) Tetrahydrofuran	7.356	42	158	1.52	ug/l #	54
31) Cyclohexane	7.795	56	961	1.38	ug/l #	30
37) Ethyl Acetate	6.996	43	1429	5.03	ug/l #	70
38) Carbon Tetrachloride	7.795	117	3603	9.45	ug/l #	17
59) 2-Hexanone	10.843	43	203	1.09	ug/l	89
64) Tetrachloroethene	10.709	164	286	1.21	ug/l #	54
76) 1,2,3-Trichloropropane	12.483	75	5044	53.79	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5044	96.22	ug/l #	12
87) 1,3-Dichlorobenzene	13.361	146	361	1.28	ug/l	80
88) 1,4-Dichlorobenzene	13.361	146	361	1.27	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	387	1.54	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	418	2.52	ug/l	84
94) Hexachlorobutadiene	15.117	225	121	1.40	ug/l #	70
95) Naphthalene	15.233	128	934	2.59	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.428	180	399	2.73	ug/l	87

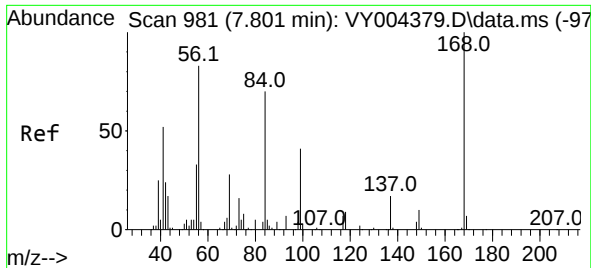
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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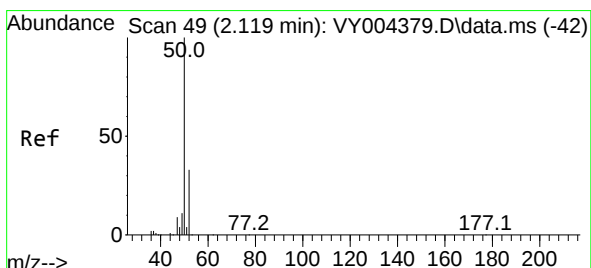
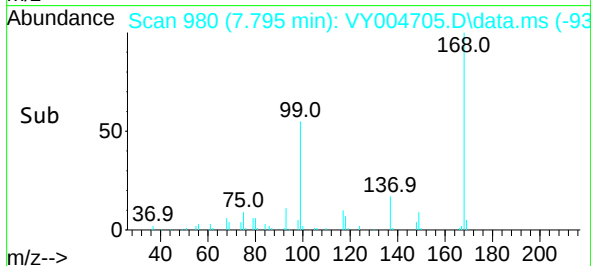
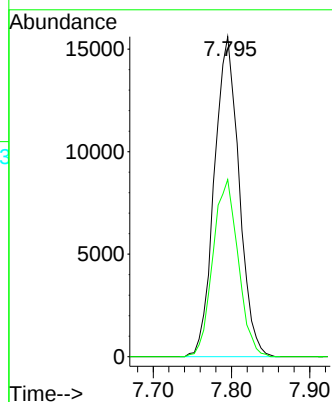
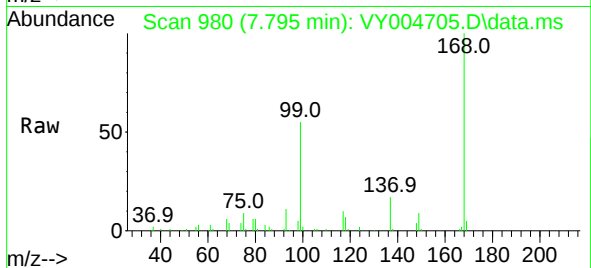




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

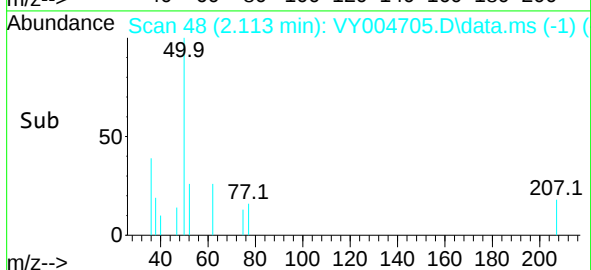
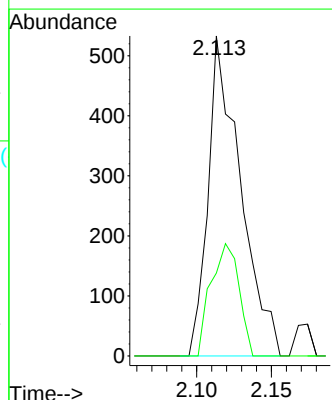
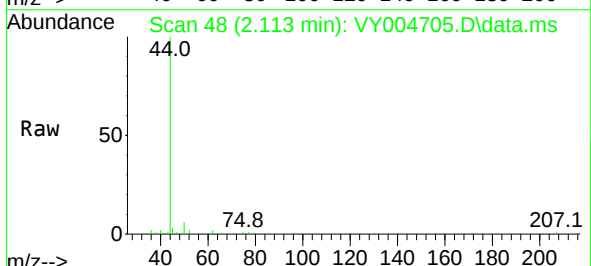
Instrument :
MSVOA_Y
ClientSampled :

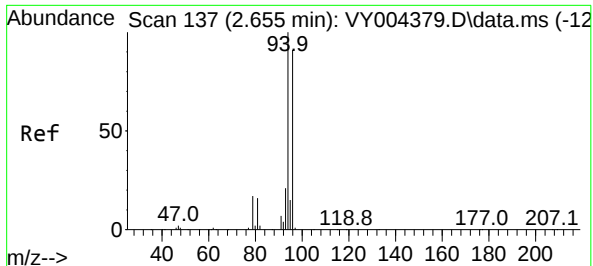
Tgt Ion:168 Resp: 34280
Ion Ratio Lower Upper
168 100
99 55.4 45.5 68.3



#3
Chloromethane
Concen: 1.74 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion: 50 Resp: 801
Ion Ratio Lower Upper
50 100
52 25.9 26.6 39.8#

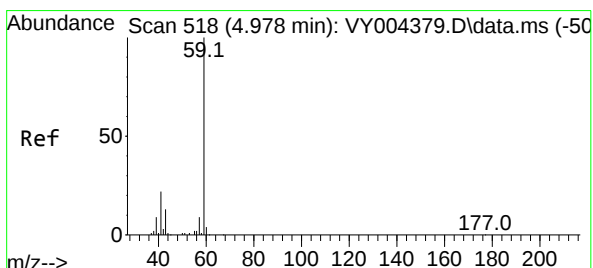
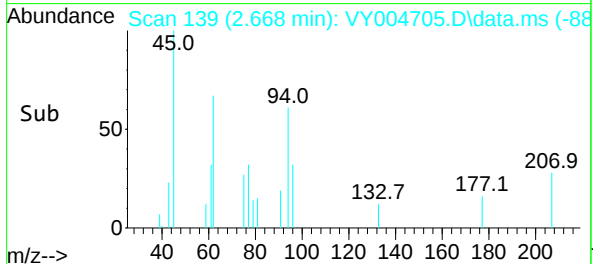
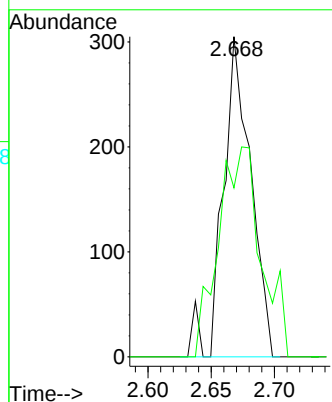
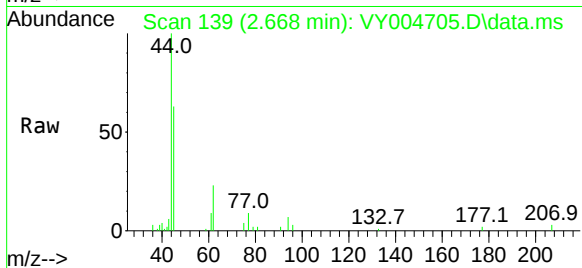




#5
Bromomethane
Concen: 1.96 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

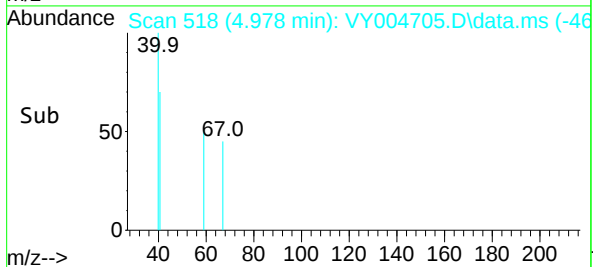
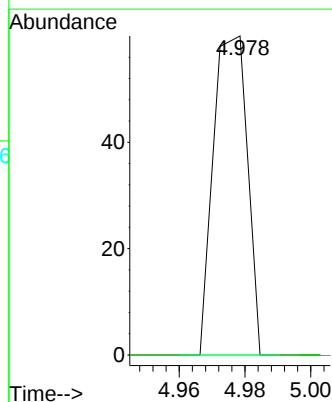
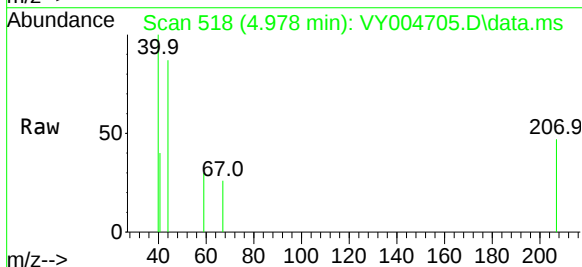
Instrument :
MSVOA_Y
ClientSampled :

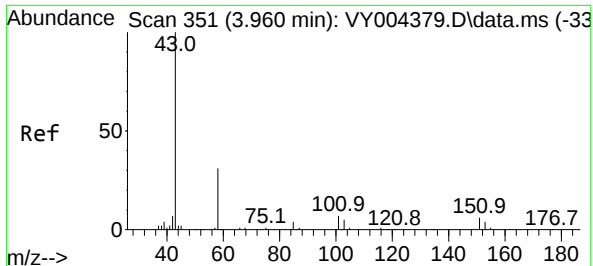
Tgt Ion: 94 Resp: 464
Ion Ratio Lower Upper
94 100
96 52.8 72.6 108.8#



#11
Tert butyl alcohol
Concen: 1.15 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion: 59 Resp: 43
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

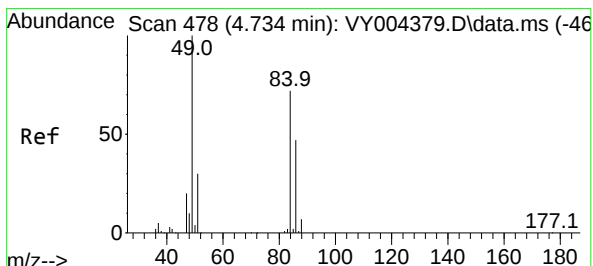
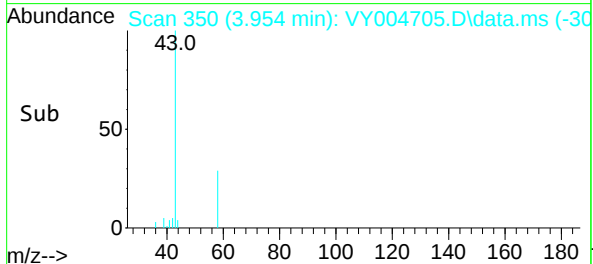
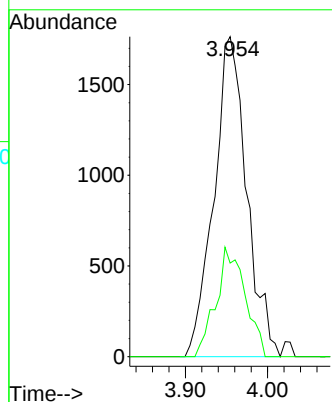
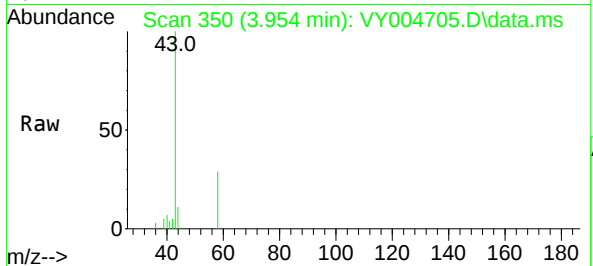




#16
Acetone
Concen: 44.66 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

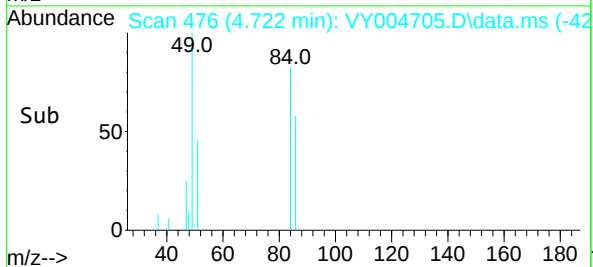
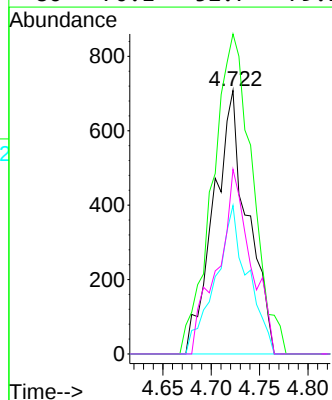
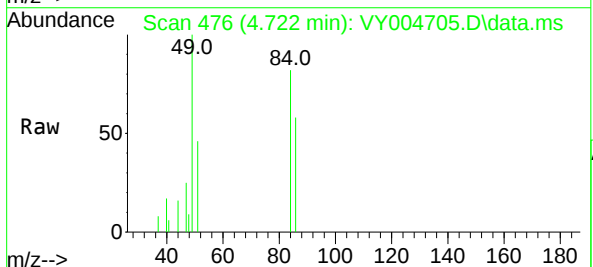
Instrument :
MSVOA_Y
ClientSampled :

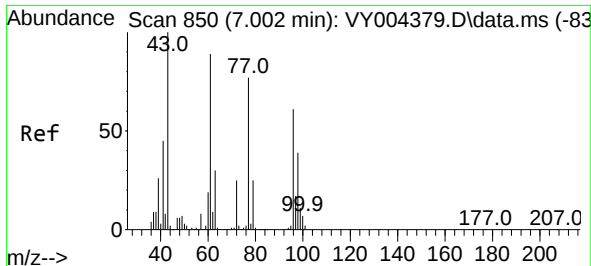
Tgt Ion: 43 Resp: 4887
Ion Ratio Lower Upper
43 100
58 29.3 24.6 37.0



#20
Methylene Chloride
Concen: 4.68 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion: 84 Resp: 1723
Ion Ratio Lower Upper
84 100
49 121.5 111.2 166.8
51 56.4 33.4 50.2#
86 70.1 52.7 79.1





#25

2-Butanone

Concen: 9.85 ug/l

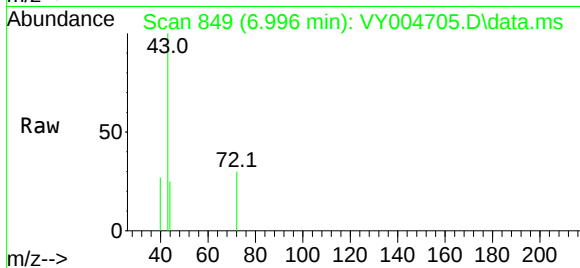
RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

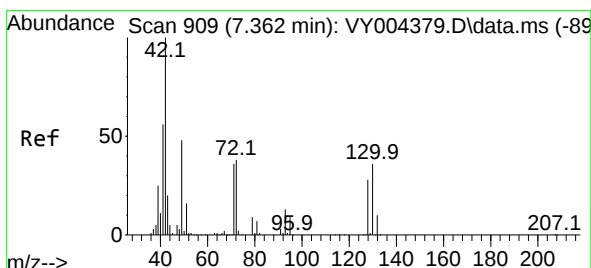
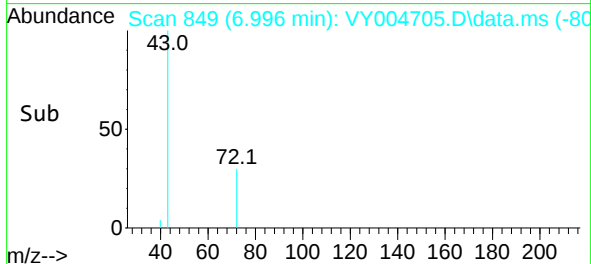
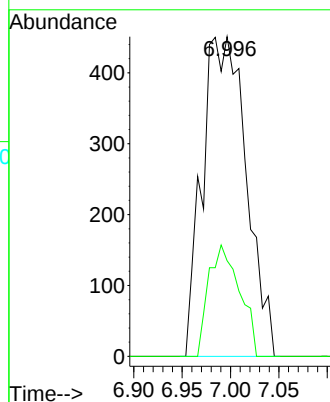
Lab File: VY004705.D

Acq: 04 May 2021 11:15

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion:	43	Resp:	1429
Ion Ratio	Lower	Upper	
43	100		
72	29.9	20.2	30.2



#29

Tetrahydrofuran

Concen: 1.52 ug/l

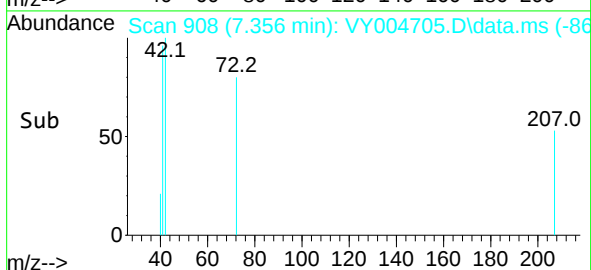
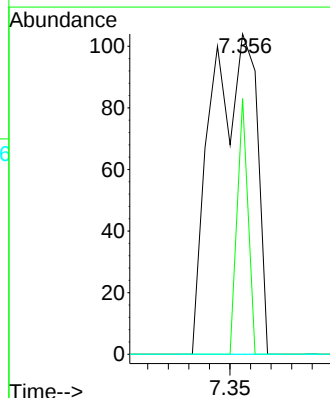
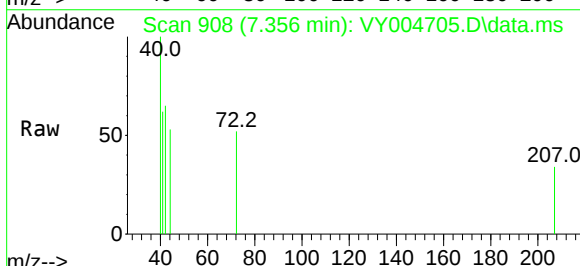
RT: 7.356 min Scan# 908

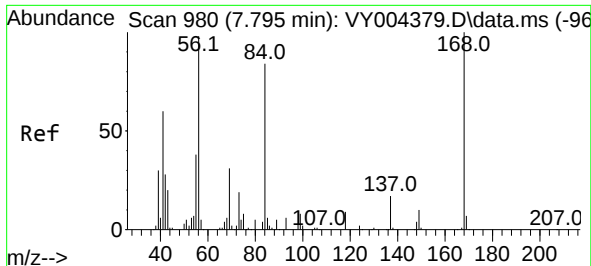
Delta R.T. -0.006 min

Lab File: VY004705.D

Acq: 04 May 2021 11:15

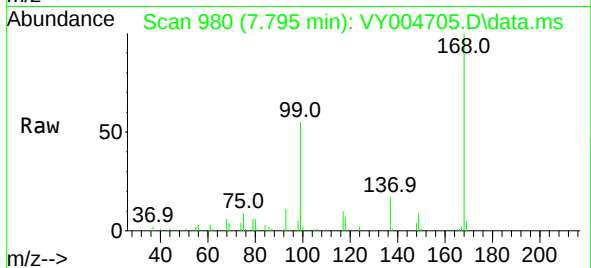
Tgt Ion:	42	Resp:	158
Ion Ratio	Lower	Upper	
42	100		
72	19.0	31.0	46.4#
71	0.0	28.8	43.2#



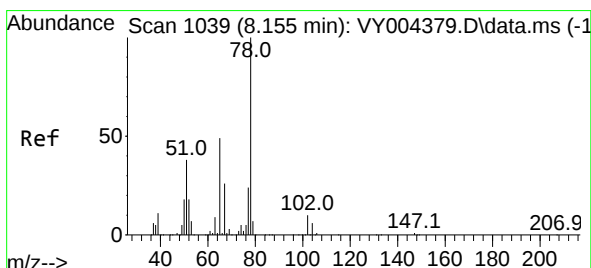
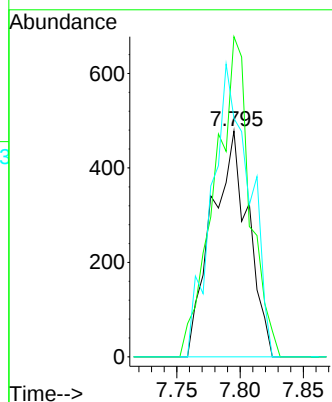
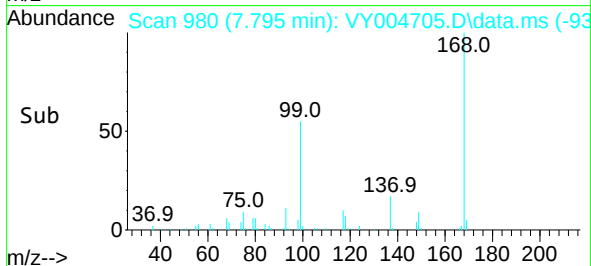


#31
Cyclohexane
Concen: 1.38 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

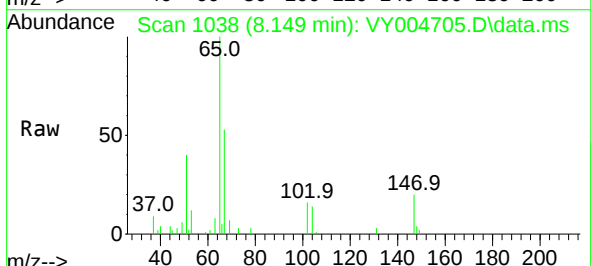
Instrument :
MSVOA_Y
ClientSampled :



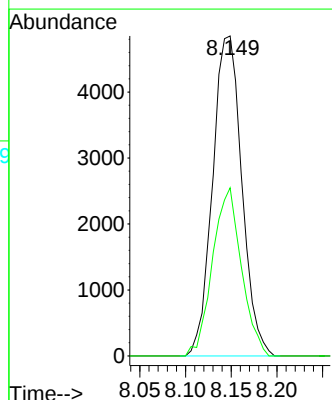
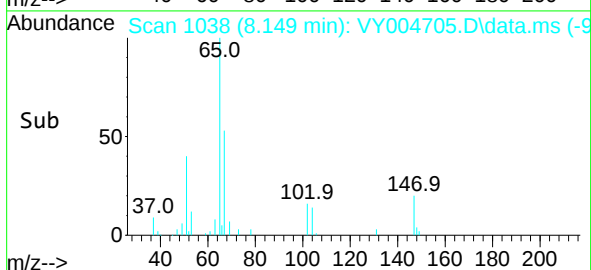
Tgt Ion: 56 Resp: 961
Ion Ratio Lower Upper
56 100
69 141.8 25.8 38.6#
84 105.6 68.2 102.4#

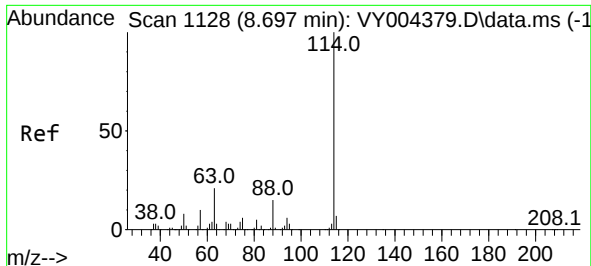


#33
1,2-Dichloroethane-d4
Concen: 28.33 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15



Tgt Ion: 65 Resp: 10789
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.4

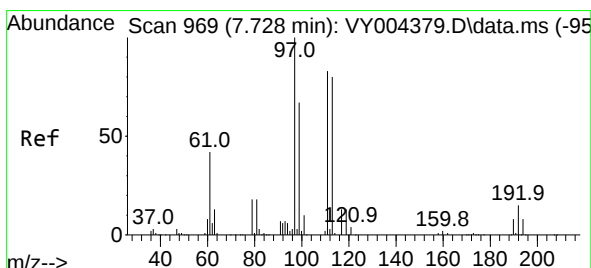
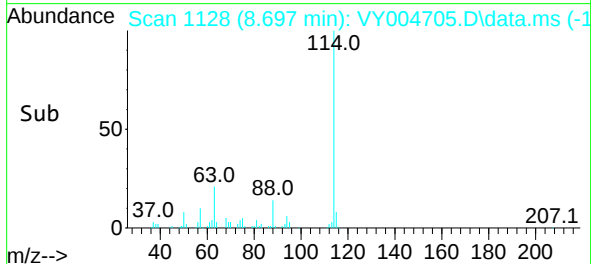
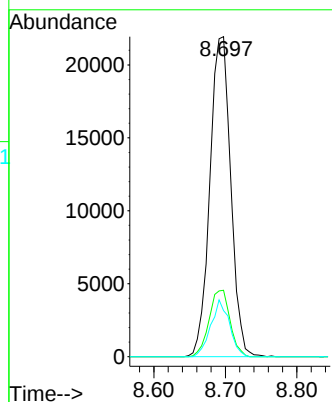
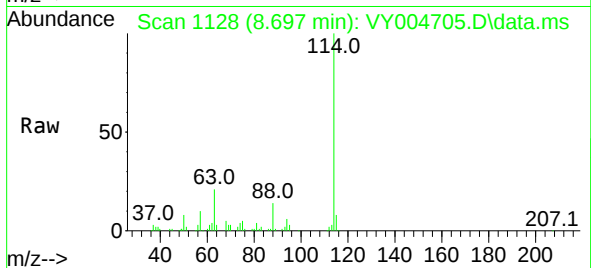




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

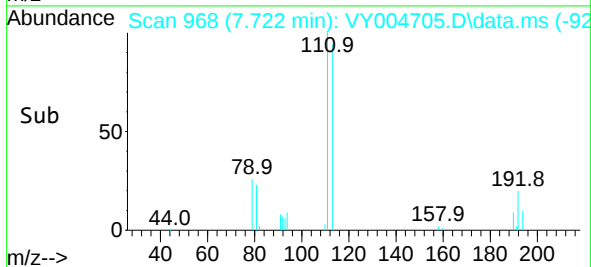
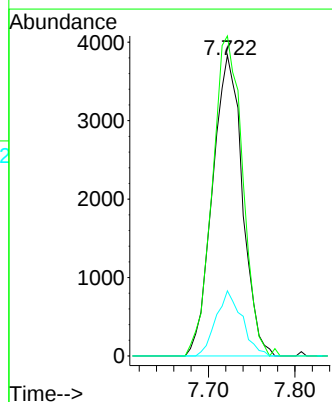
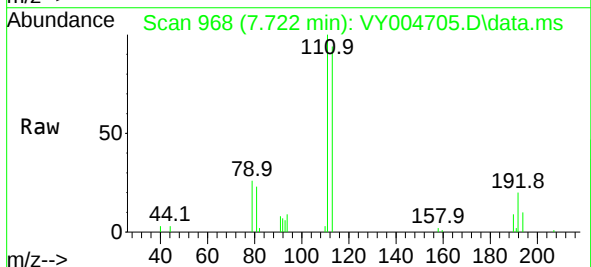
Instrument :
MSVOA_Y
ClientSampled :

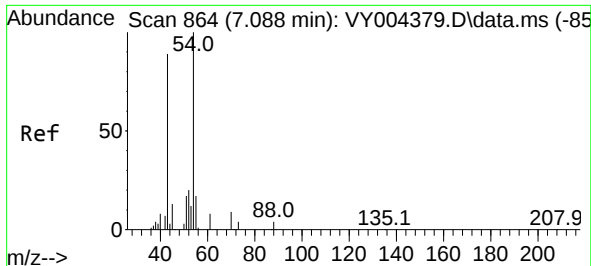
Tgt Ion:	114	Resp:	44401
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	42.4
88	14.4	0.0	30.8



#35
Dibromofluoromethane
Concen: 37.27 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion:	113	Resp:	9183
Ion Ratio	Lower	Upper	
113	100		
111	107.5	82.6	123.8
192	18.9	16.1	24.1





#37

Ethyl Acetate

Concen: 5.03 ug/l

RT: 6.996 min Scan# 849

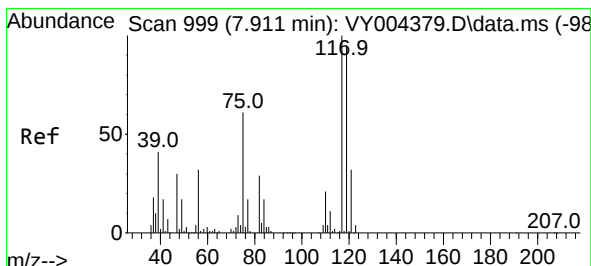
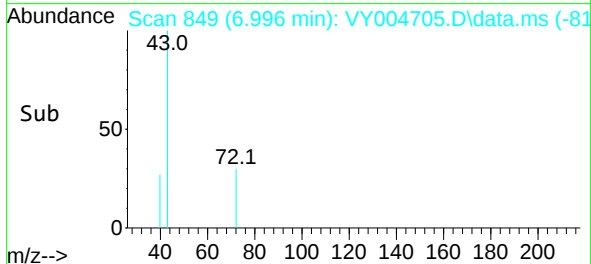
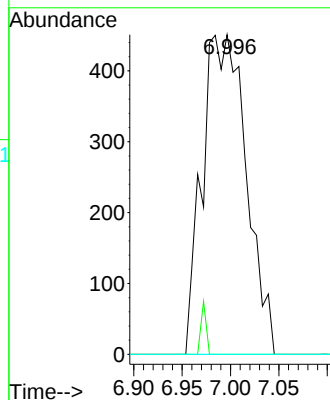
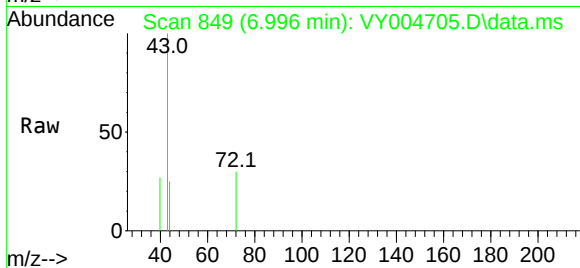
Delta R.T. -0.091 min

Lab File: VY004705.D

Acq: 04 May 2021 11:15

Tgt Ion:	43	Resp:	1429
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.5	11.3#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 9.45 ug/l

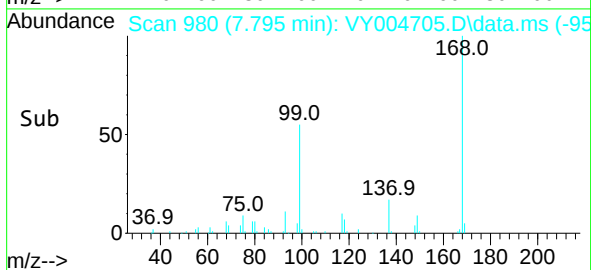
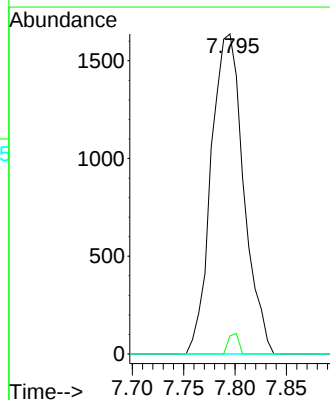
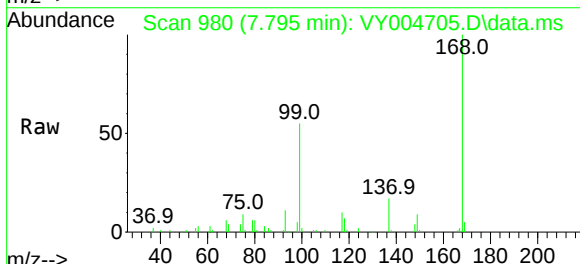
RT: 7.795 min Scan# 980

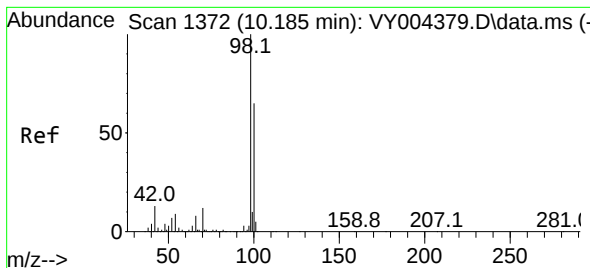
Delta R.T. -0.116 min

Lab File: VY004705.D

Acq: 04 May 2021 11:15

Tgt Ion:	117	Resp:	3603
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.8	113.8#
121	0.0	25.3	37.9#

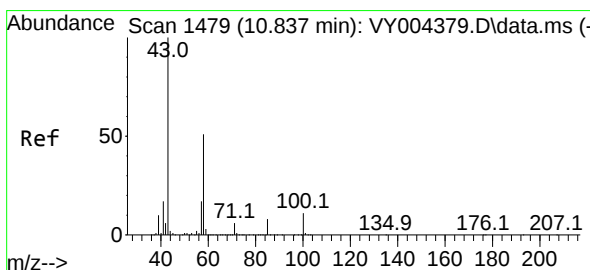
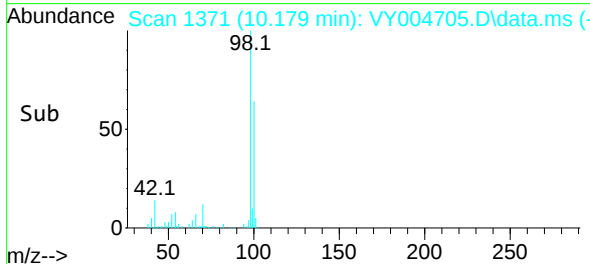
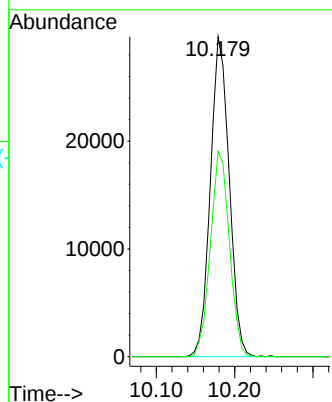
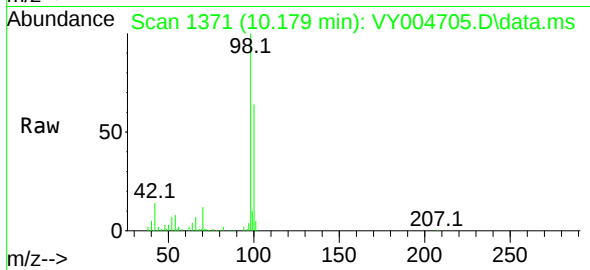




#50
Toluene-d8
Concen: 47.26 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

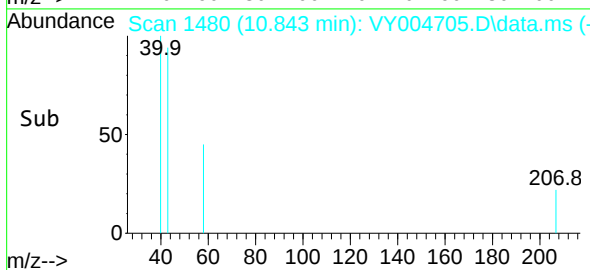
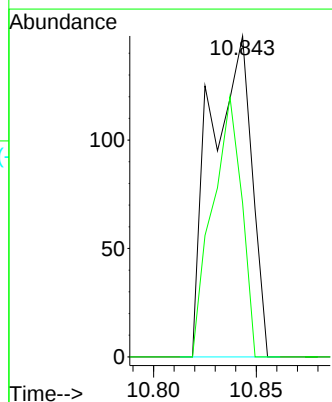
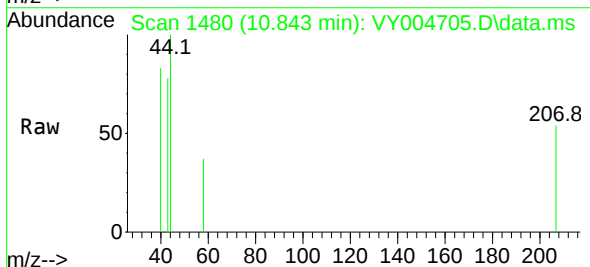
Instrument :
MSVOA_Y
ClientSampled :

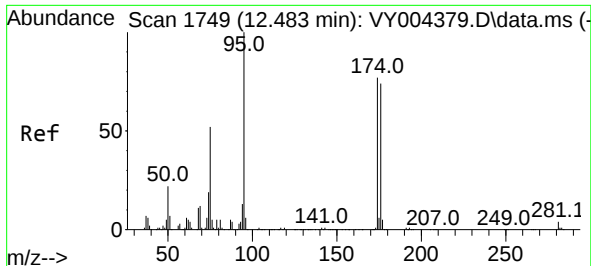
Tgt Ion: 98 Resp: 49537
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#59
2-Hexanone
Concen: 1.09 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 58.6 25.4 76.4

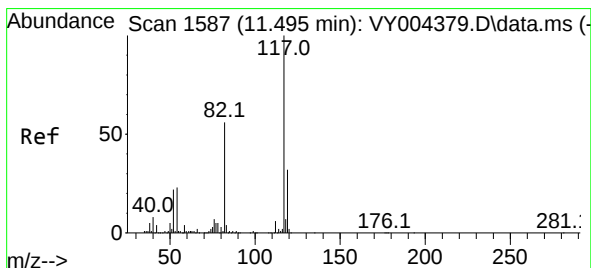
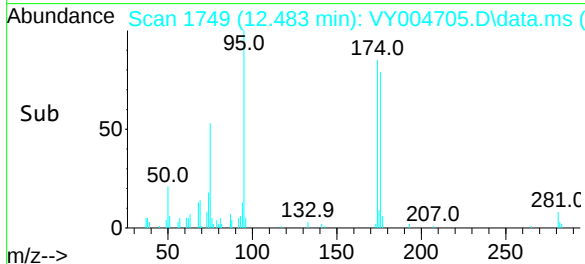
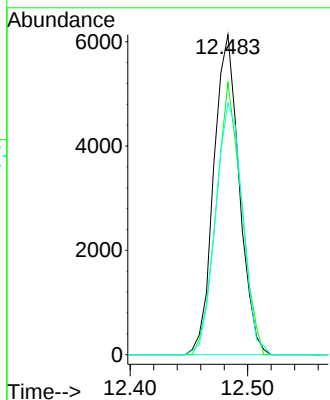
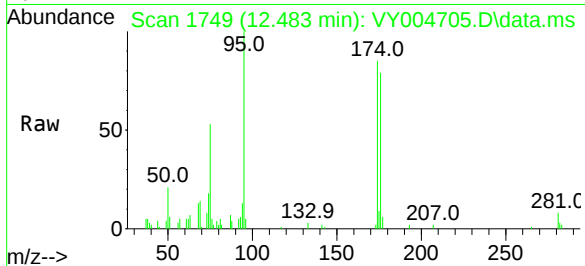




#62
4-Bromofluorobenzene
Concen: 26.03 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

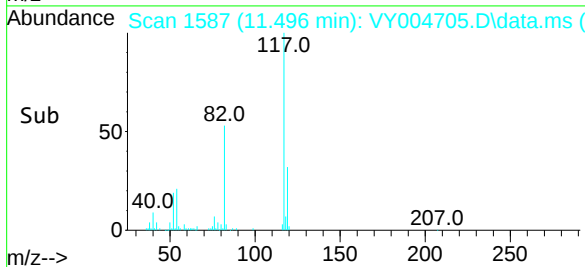
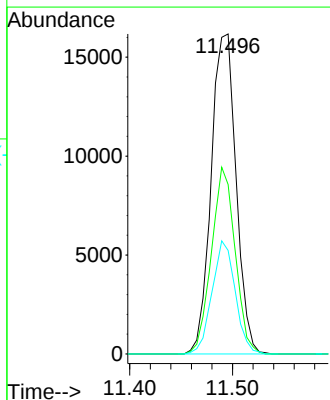
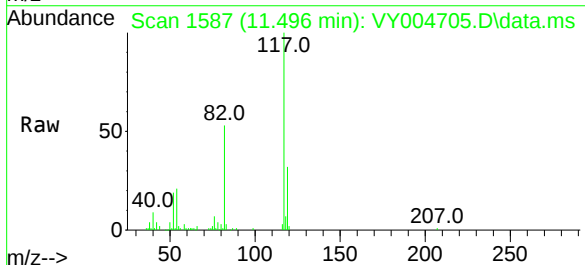
Instrument :
MSVOA_Y
ClientSampled :

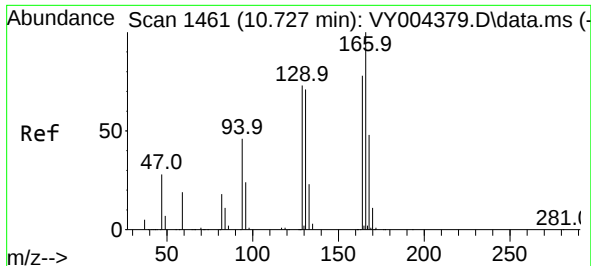
Tgt Ion:	95	Resp:	9258
Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	162.4
176	83.2	0.0	156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

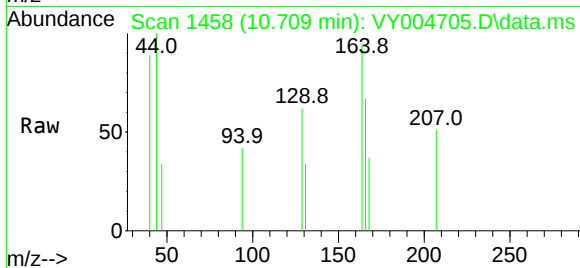
Tgt Ion:	117	Resp:	27221
Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.9	67.3
119	32.4	25.4	38.0



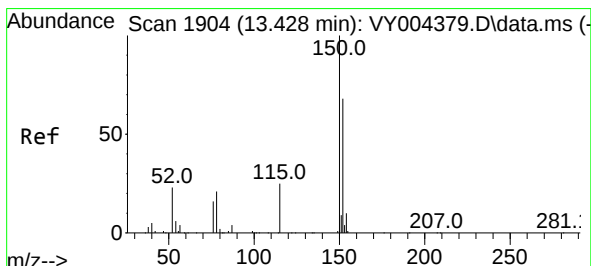
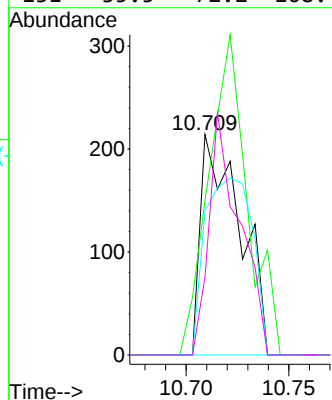
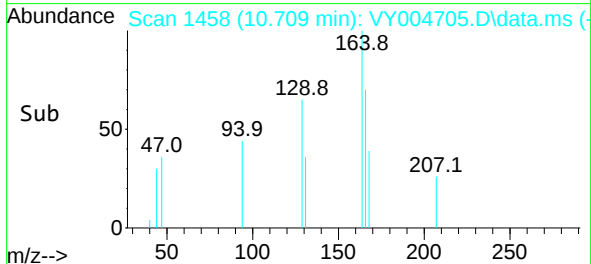


#64
Tetrachloroethene
Concen: 1.21 ug/l
RT: 10.709 min Scan# 1458
Delta R.T. -0.018 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

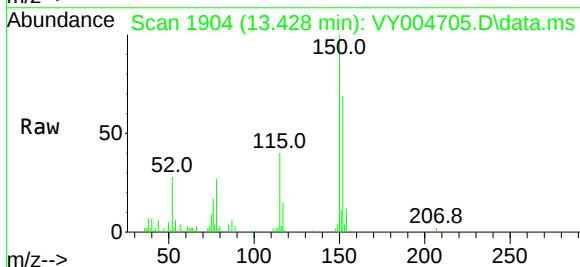
Instrument :
MSVOA_Y
ClientSampleId :



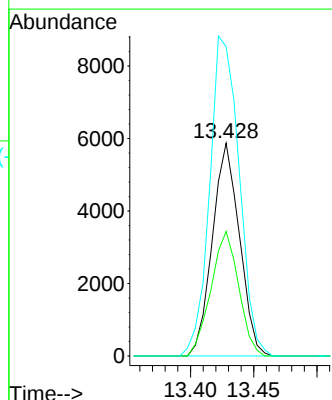
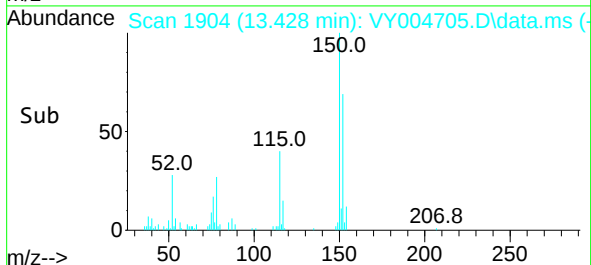
Tgt Ion:164 Resp: 286
Ion Ratio Lower Upper
164 100
166 70.1 102.1 153.1#
129 65.4 74.8 112.2#
131 35.5 72.2 108.4#

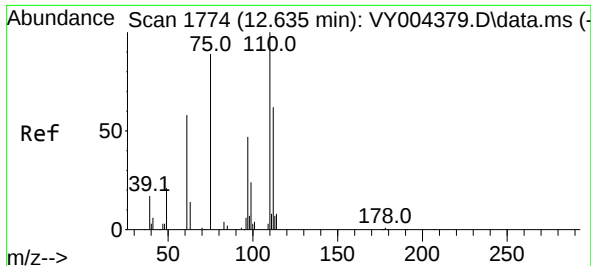


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15



Tgt Ion:152 Resp: 8737
Ion Ratio Lower Upper
152 100
115 59.7 29.6 88.8
150 163.5 0.0 348.4

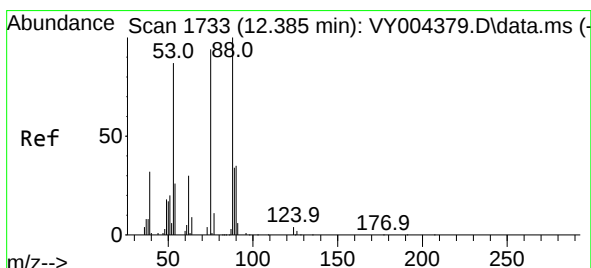
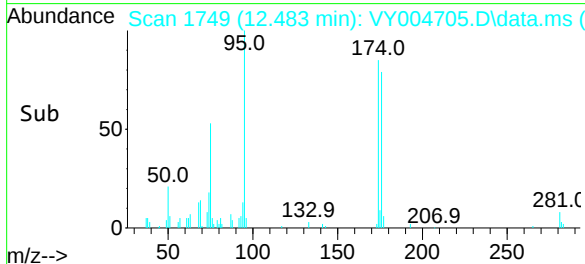
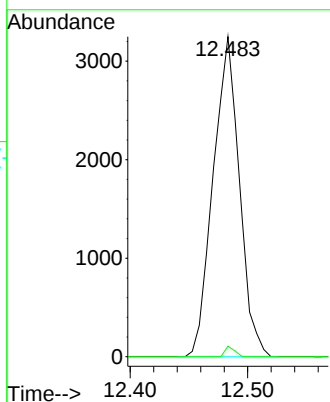
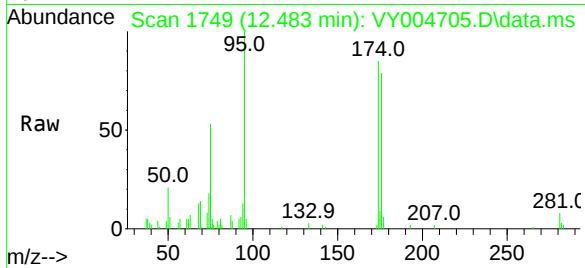




#76
1,2,3-Trichloropropane
Concen: 53.79 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

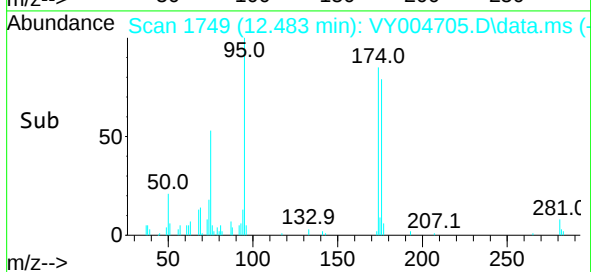
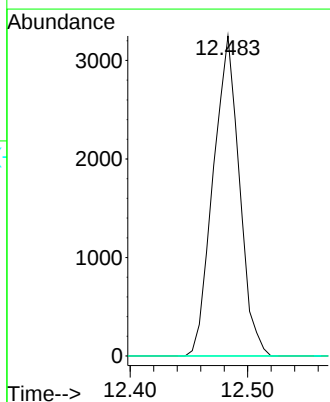
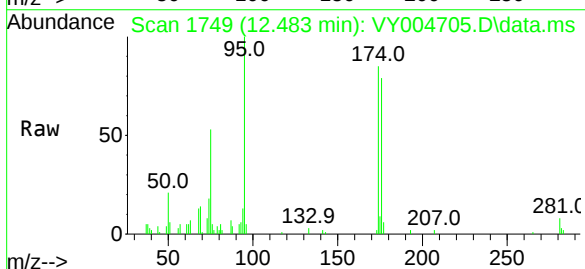
Instrument :
MSVOA_Y
ClientSampled :

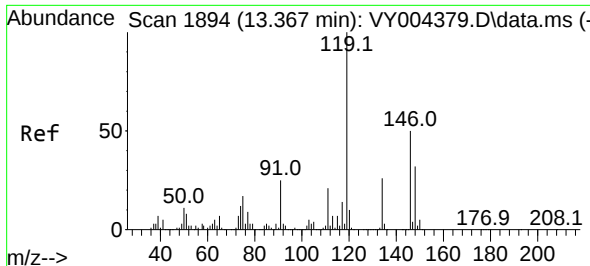
Tgt Ion: 75 Resp: 5044
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.22 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion: 75 Resp: 5044
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 36.1 54.1#

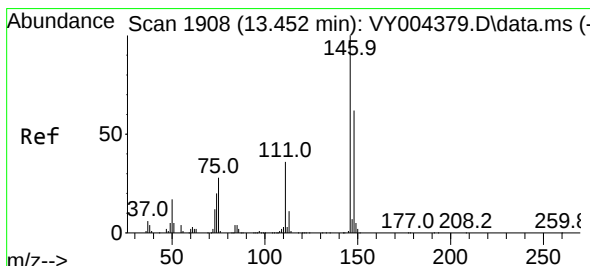
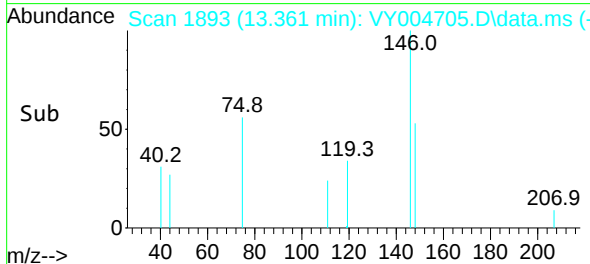
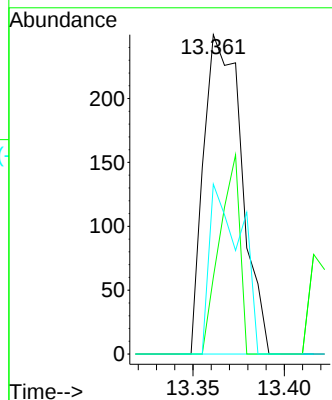
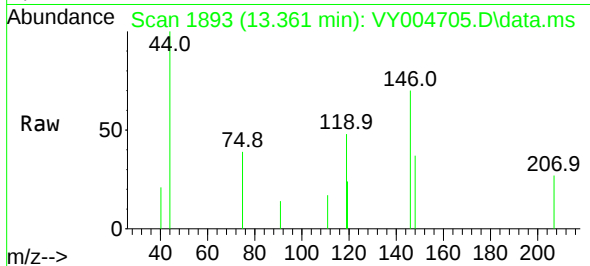




#87
1,3-Dichlorobenzene
Concen: 1.28 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

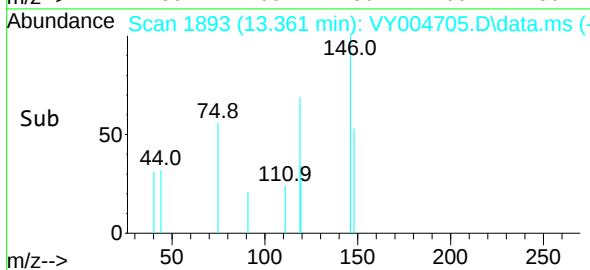
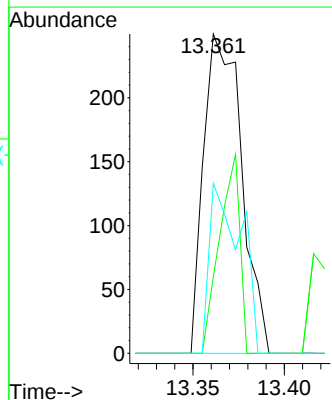
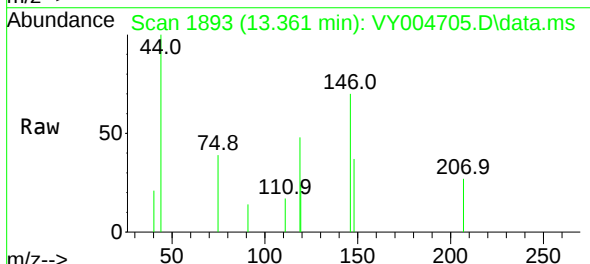
Instrument :
MSVOA_Y
ClientSampleId :

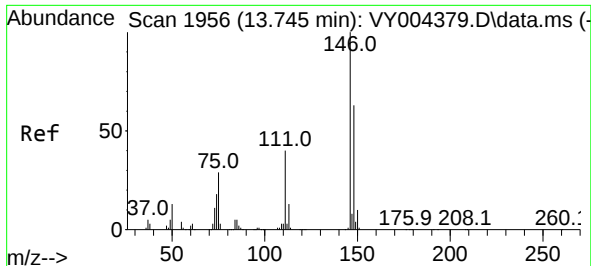
Tgt Ion:	146	Resp:	361
Ion	Ratio	Lower	Upper
146	100		
111	33.5	20.4	61.2
148	44.0	32.1	96.5



#88
1,4-Dichlorobenzene
Concen: 1.27 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.091 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion:	146	Resp:	361
Ion	Ratio	Lower	Upper
146	100		
111	33.5	19.6	58.8
148	44.0	31.9	95.5

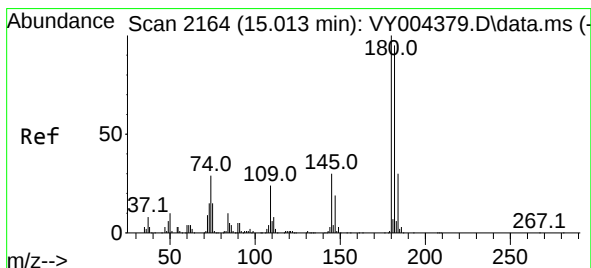
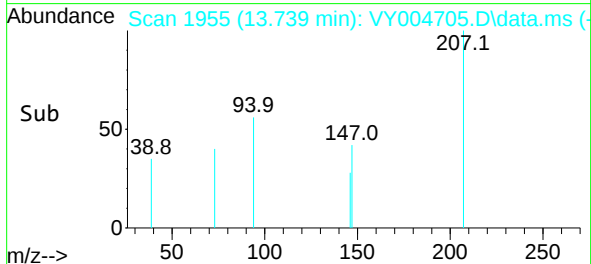
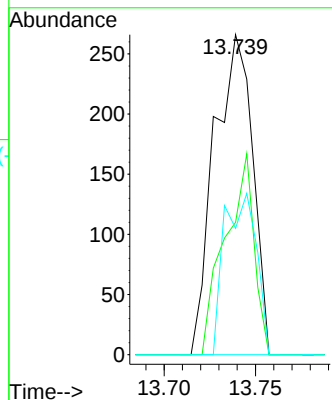
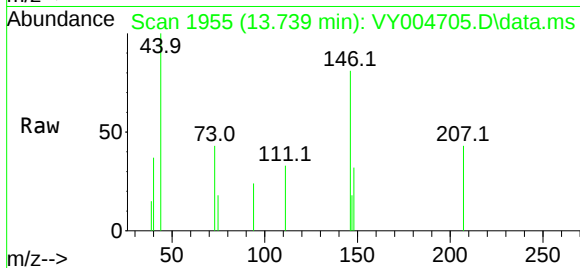




#91
1,2-Dichlorobenzene
Concen: 1.54 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

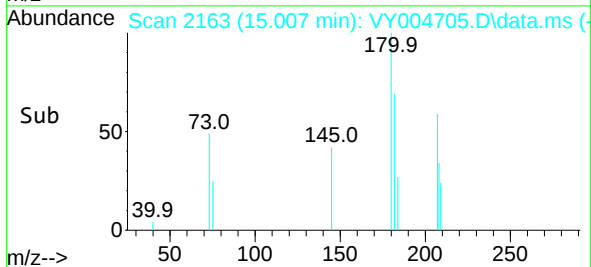
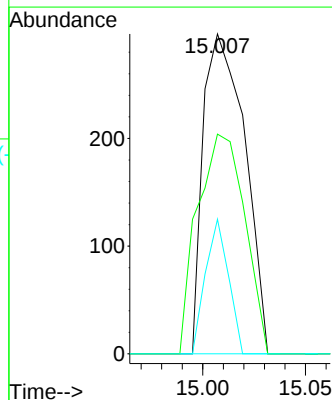
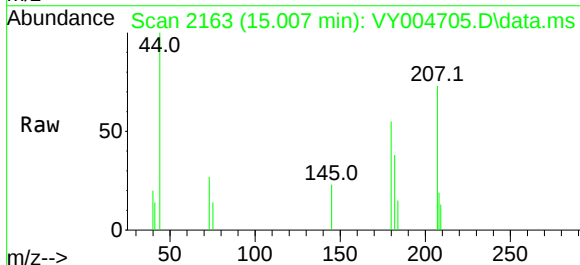
Instrument :
MSVOA_Y
ClientSampleId :

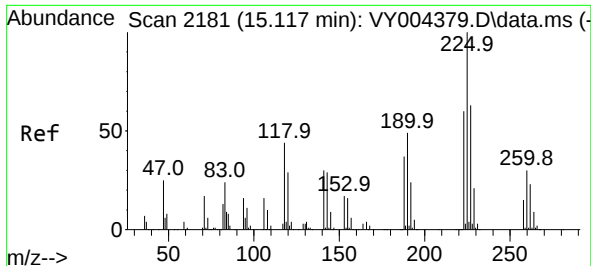
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	20.9	62.7
148	42.4	31.9	95.5



#93
1,2,4-Trichlorobenzene
Concen: 2.52 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.0	47.3	141.8
145	23.2	15.5	46.5

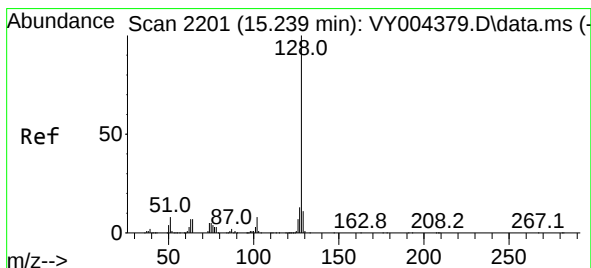
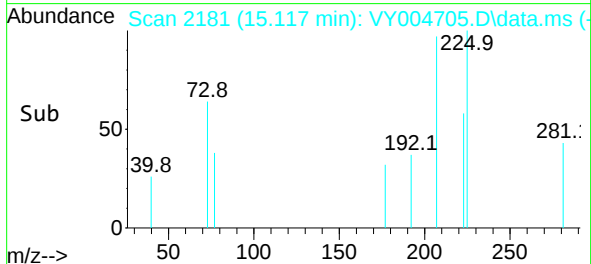
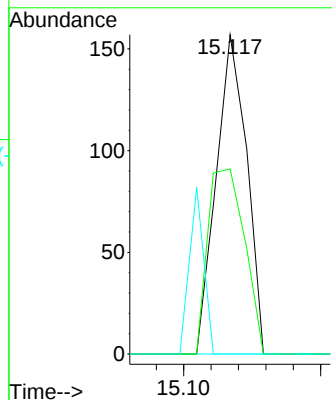
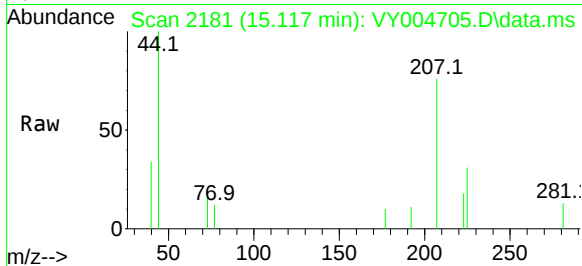




#94
Hexachlorobutadiene
Concen: 1.40 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

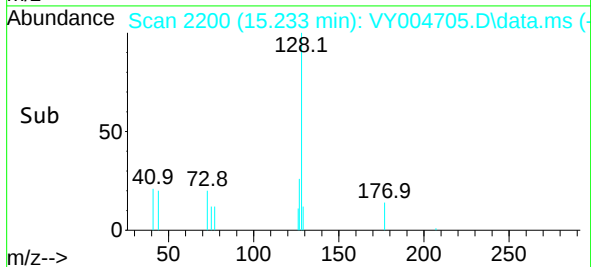
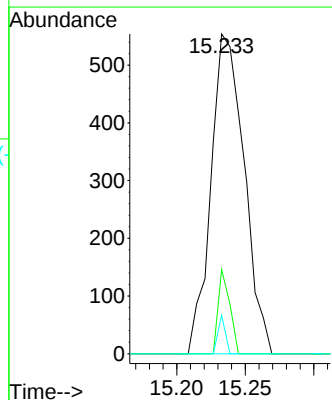
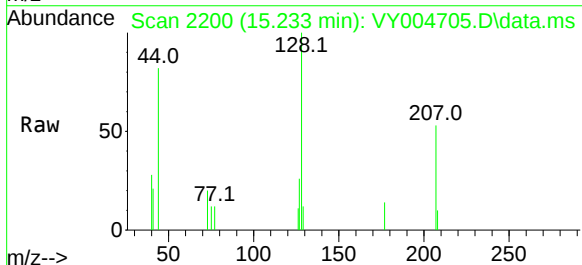
Instrument :
MSVOA_Y
ClientSampled :

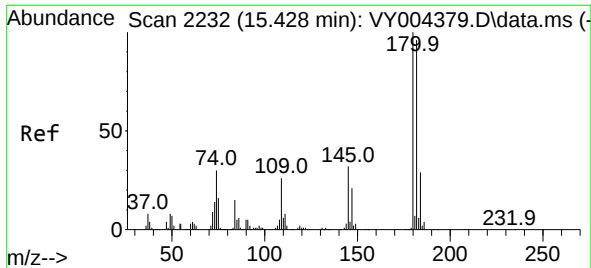
Tgt Ion:	225	Resp:	121
Ion	Ratio	Lower	Upper
225	100		
223	70.2	31.3	93.9
227	24.8	32.2	96.6#



#95
Naphthalene
Concen: 2.59 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004705.D
Acq: 04 May 2021 11:15

Tgt Ion:	128	Resp:	934
Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.2	15.2#
129	2.7	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.73 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. 0.000 min
 Lab File: VY004705.D
 Acq: 04 May 2021 11:15

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:180 Resp: 399
 Ion Ratio Lower Upper
 180 100
 182 79.4 47.6 142.8
 145 30.8 16.3 48.8

