

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006513.D
 Acq On : 28 Oct 2021 14:12
 Operator : SY/MD
 Sample : M4375-04
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 05:06:10 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)

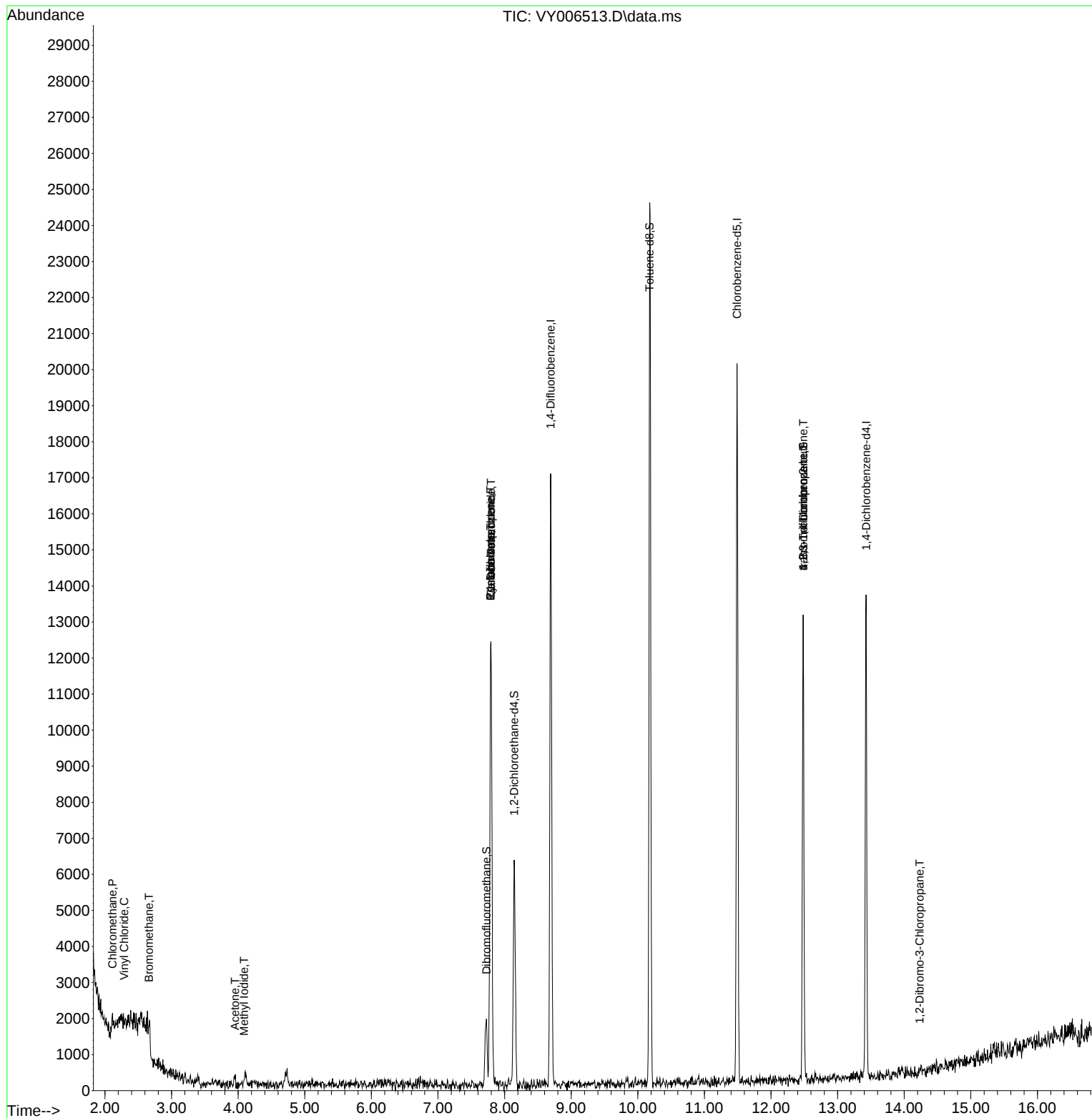
Internal Standards						
1) Pentafluorobenzene	7.789	168	10106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5225	42.015	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.020%
35) Dibromofluoromethane	7.728	113	1446	19.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.800%#
50) Toluene-d8	10.179	98	16185	51.226	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.460%
62) 4-Bromofluorobenzene	12.483	95	3892	36.568	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.140%
Target Compounds						Qvalue
3) Chloromethane	2.113	50	256	2.030	ug/l	93
4) Vinyl Chloride	2.290	62	174	1.236	ug/l #	44
5) Bromomethane	2.662	94	299	3.187	ug/l #	80
10) Methyl Iodide	4.088	142	180	6.685	ug/l #	62
16) Acetone	3.954	43	239	6.674	ug/l #	46
20) Methylene Chloride	4.734	84	139	Below Cal	#	69
31) Cyclohexane	7.789	56	208	1.033	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	755	5.714	ug/l #	42
38) Carbon Tetrachloride	7.795	117	928	6.367	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2126	56.898	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2126	116.810	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.233	75	23	2.467	ug/l #	5

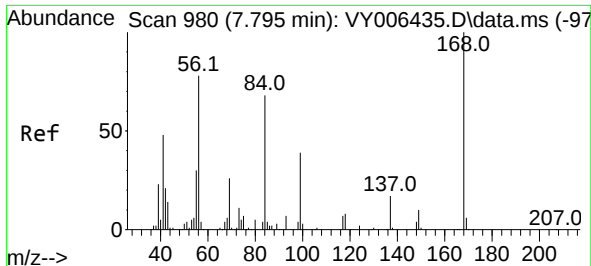
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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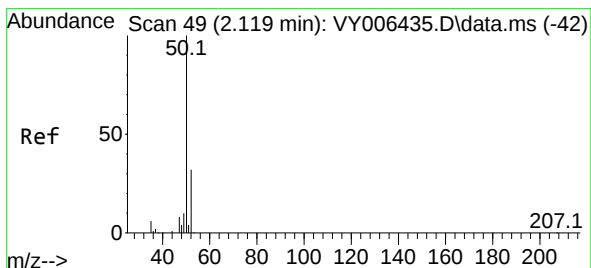
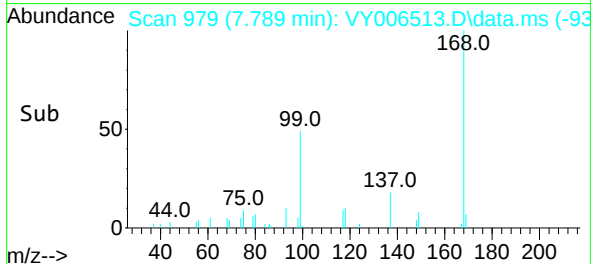
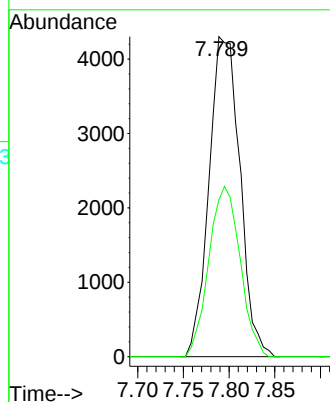
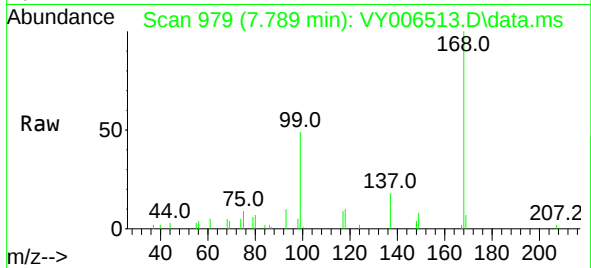




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

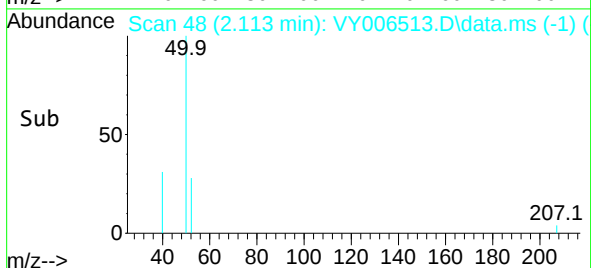
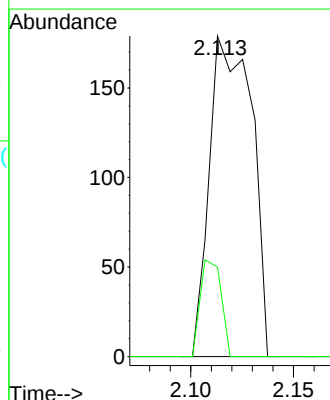
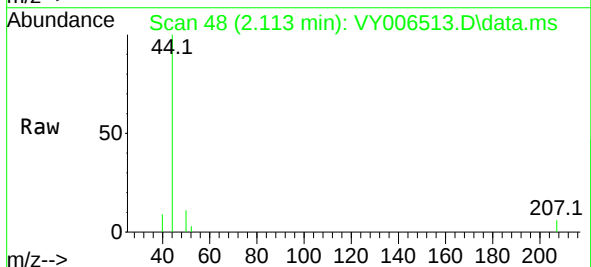
Instrument :
MSVOA_Y
ClientSampleId :

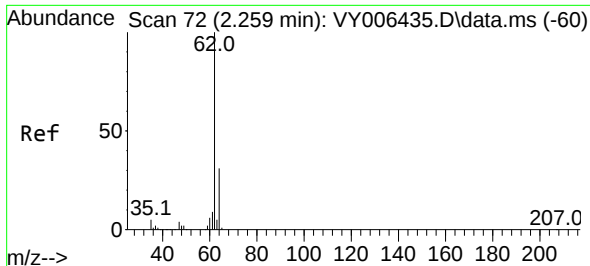
Tgt Ion:168 Resp: 10106
Ion Ratio Lower Upper
168 100
99 49.1 44.8 67.2



#3
Chloromethane
Concen: 2.030 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 27.9 25.4 38.2

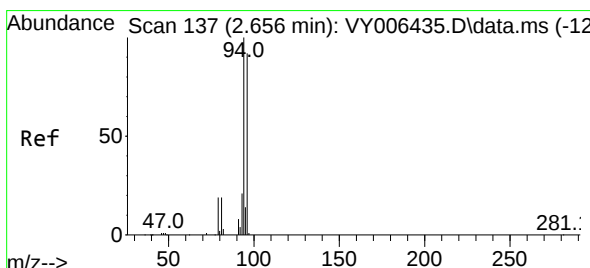
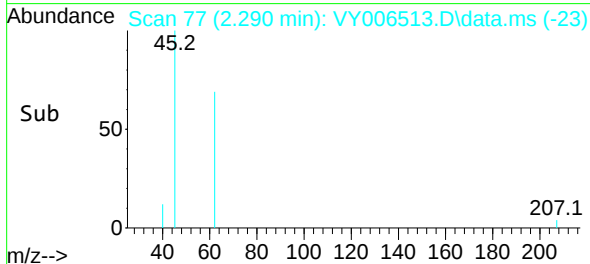
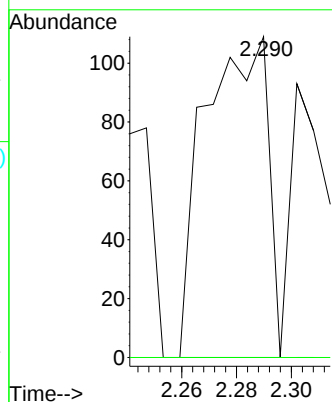
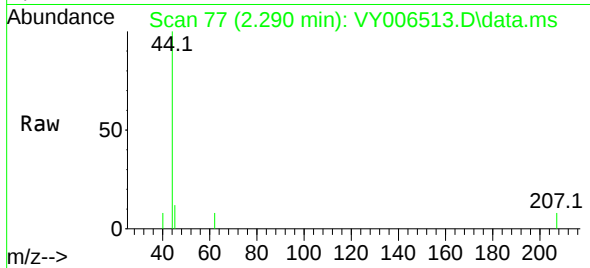




#4
 Vinyl Chloride
 Concen: 1.236 ug/l
 RT: 2.290 min Scan# 77
 Delta R.T. 0.030 min
 Lab File: VY006513.D
 Acq: 28 Oct 2021 14:12

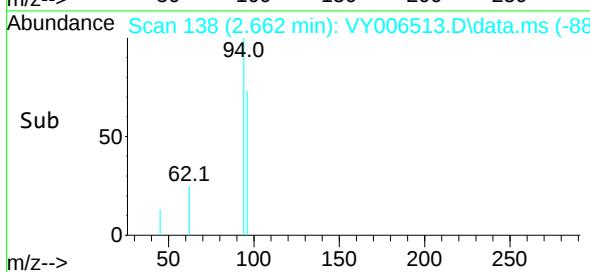
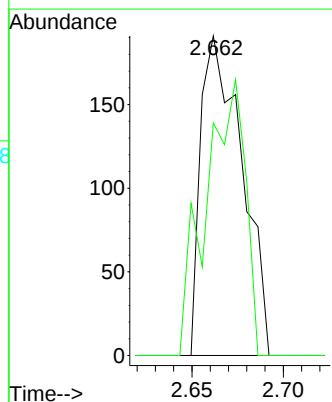
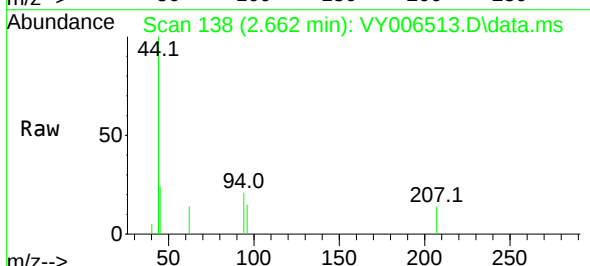
Instrument :
 MSVOA_Y
 ClientSampled :

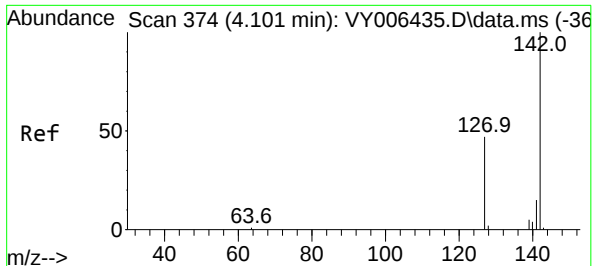
Tgt Ion: 62 Resp: 174
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 3.187 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.006 min
 Lab File: VY006513.D
 Acq: 28 Oct 2021 14:12

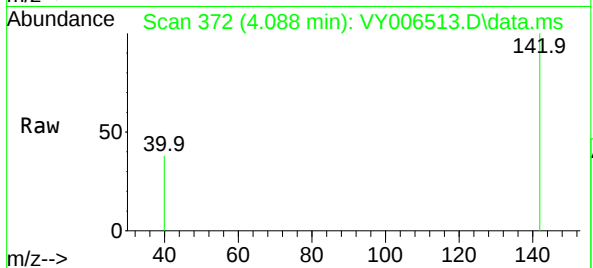
Tgt Ion: 94 Resp: 299
 Ion Ratio Lower Upper
 94 100
 96 72.8 73.5 110.3#



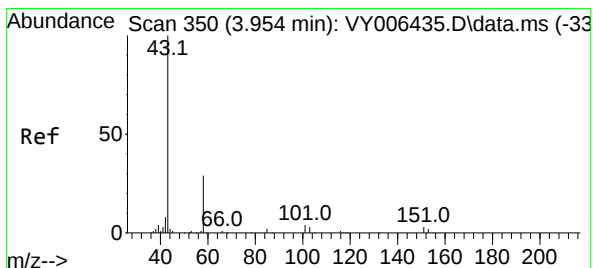
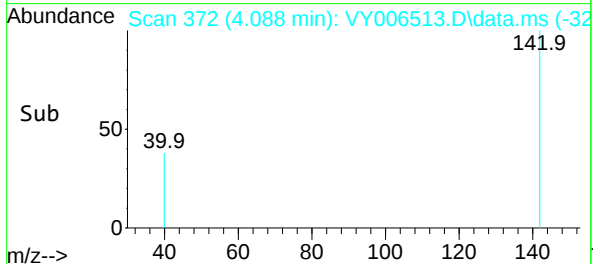
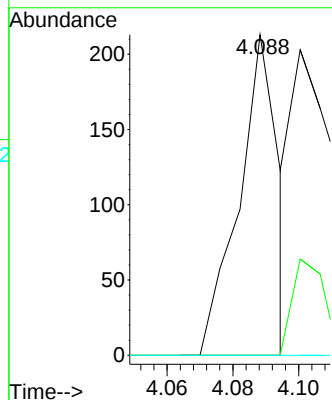


#10
Methyl Iodide
Concen: 6.685 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.013 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Instrument :
MSVOA_Y
ClientSampleId :

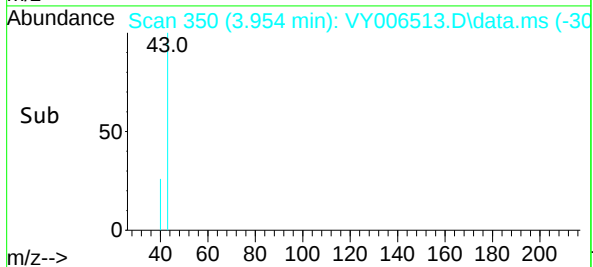
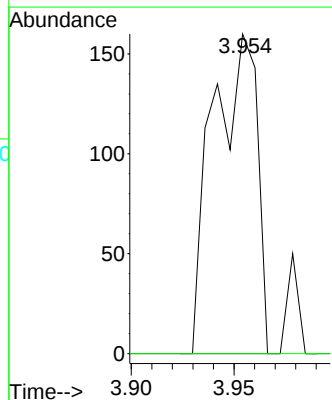
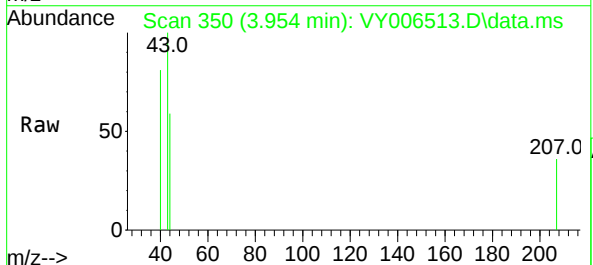


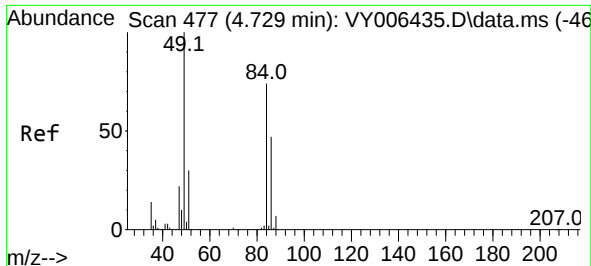
Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 23.9 40.1 60.1#
141 0.0 12.5 18.7#



#16
Acetone
Concen: 6.674 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

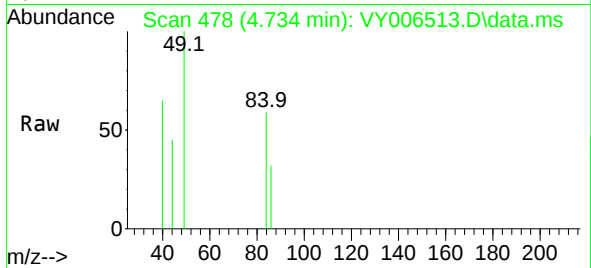
Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#





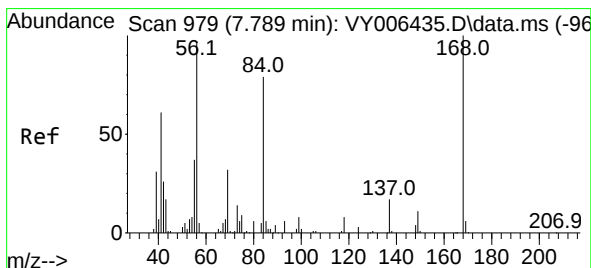
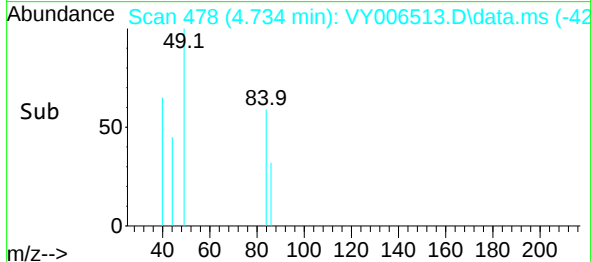
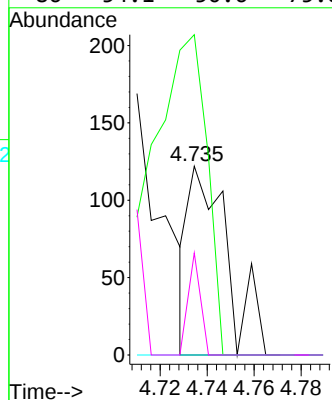
#20
Methylene Chloride
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. 0.005 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 84 Resp: 139

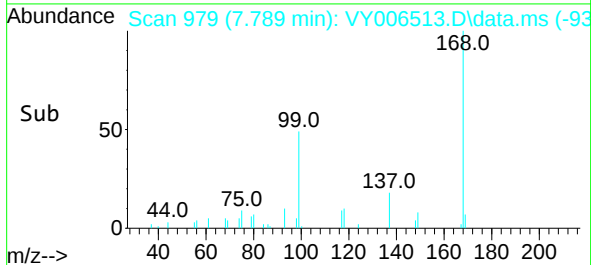
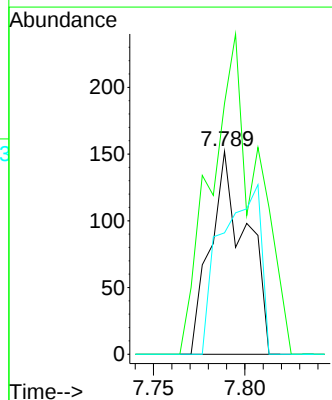
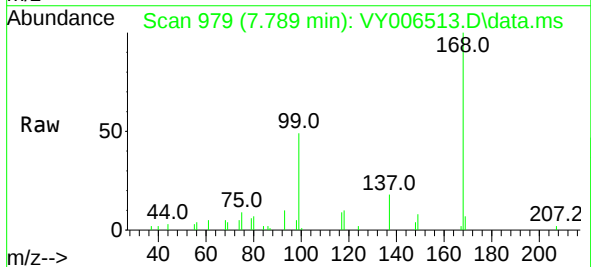
Ion	Ratio	Lower	Upper
84	100		
49	169.7	107.8	161.8#
51	0.0	32.8	49.2#
86	54.1	50.6	75.8

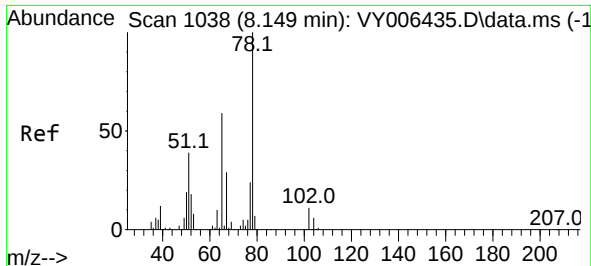


#31
Cyclohexane
Concen: 1.033 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 56 Resp: 208

Ion	Ratio	Lower	Upper
56	100		
69	123.7	26.6	40.0#
84	59.9	65.0	97.4#

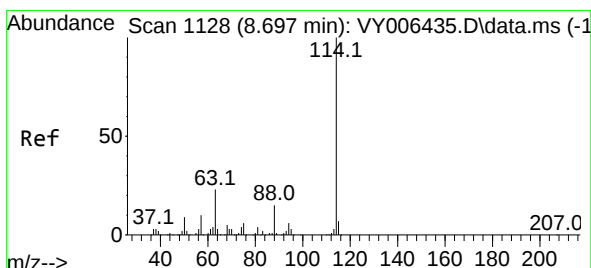
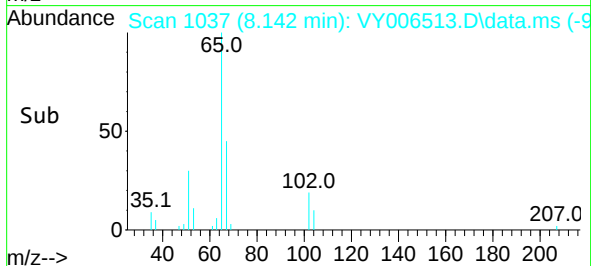
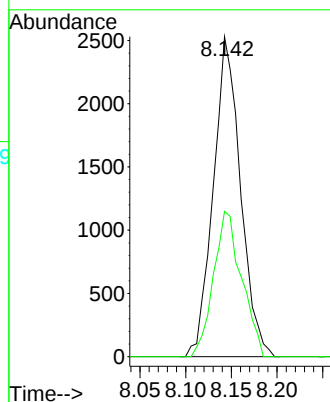
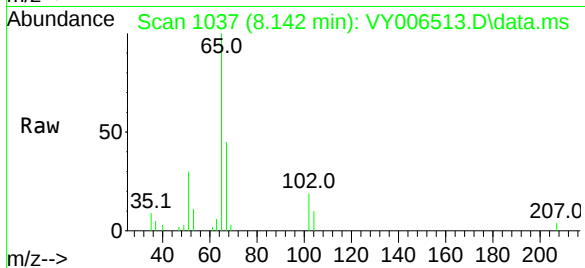




#33
1,2-Dichloroethane-d4
Concen: 42.015 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

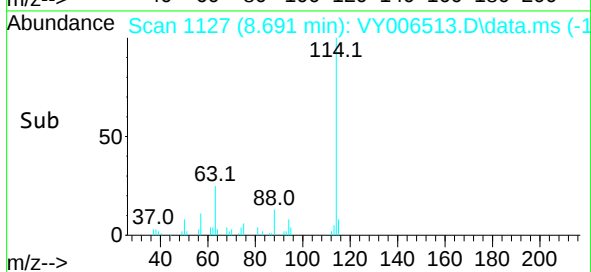
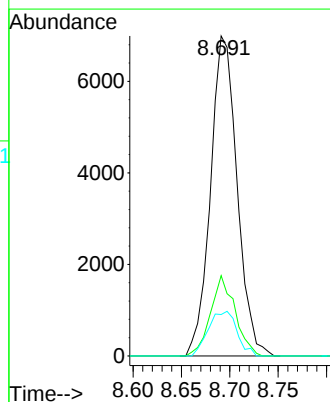
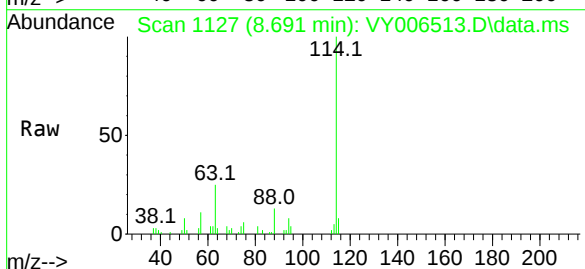
Instrument :
MSVOA_Y
ClientSampleId :

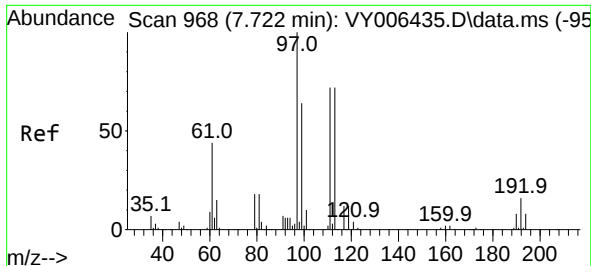
Tgt Ion: 65 Resp: 5225
Ion Ratio Lower Upper
65 100
67 46.9 0.0 98.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 114 Resp: 13372
Ion Ratio Lower Upper
114 100
63 25.1 0.0 45.0
88 12.9 0.0 30.6

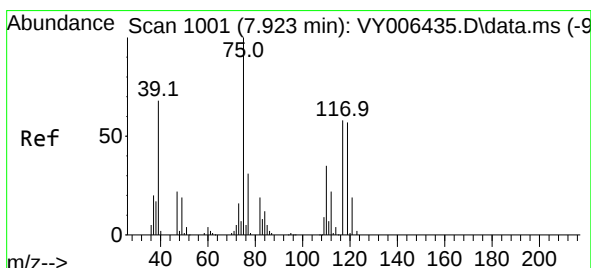
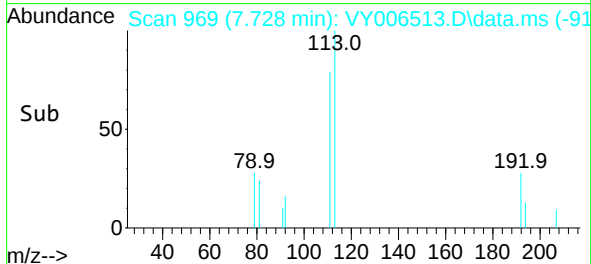
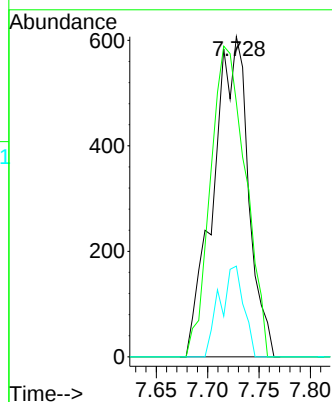
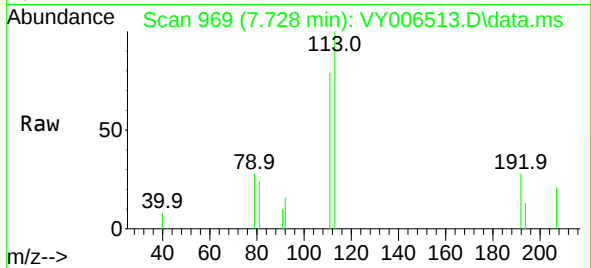




#35
Dibromofluoromethane
Concen: 19.401 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

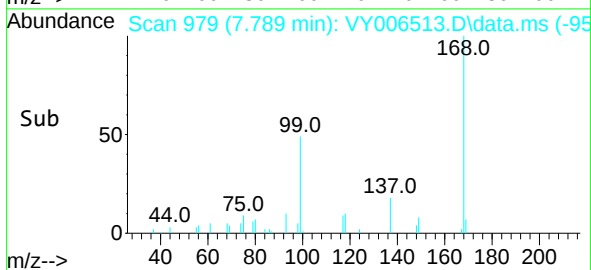
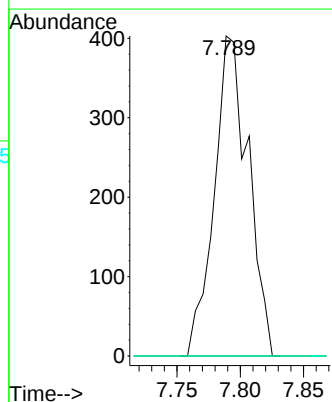
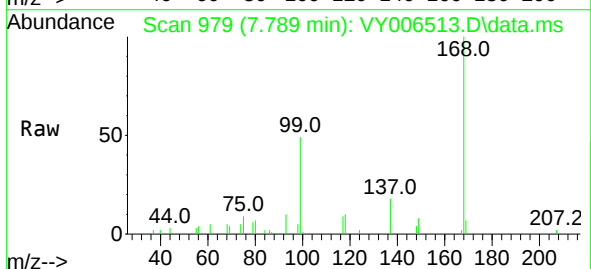
Instrument :
MSVOA_Y
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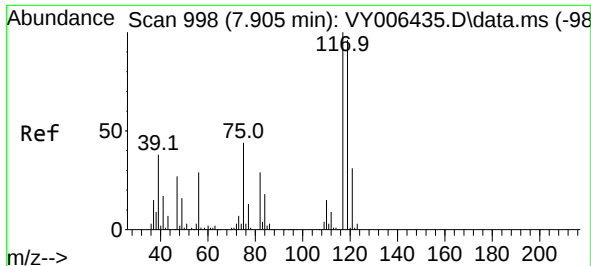
Tgt Ion:113 Resp: 1446
Ion Ratio Lower Upper
113 100
111 96.7 82.3 123.5
192 19.2 17.4 26.2



#36
1,1-Dichloropropene
Concen: 5.714 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

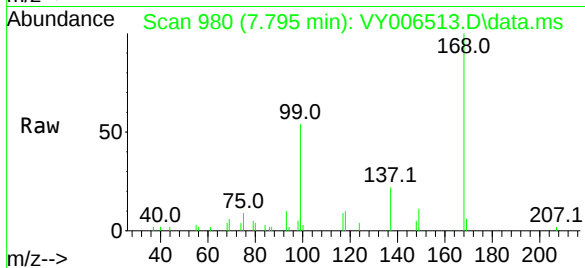
Tgt Ion: 75 Resp: 755
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



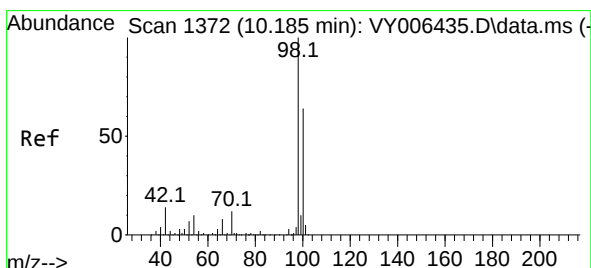
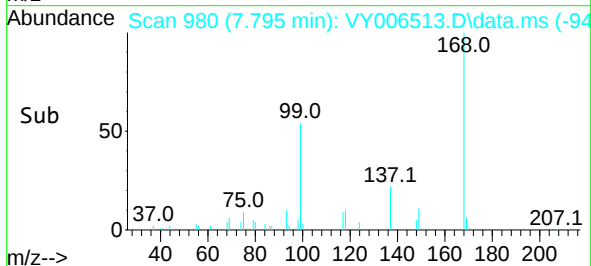
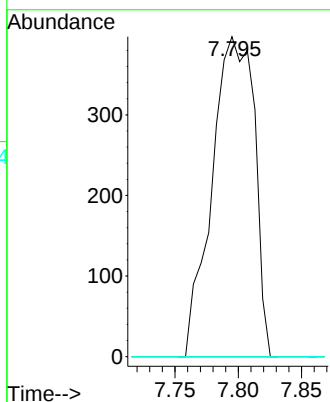


#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Instrument :
MSVOA_Y
ClientSampleId :

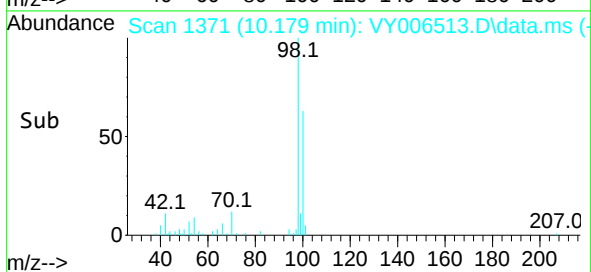
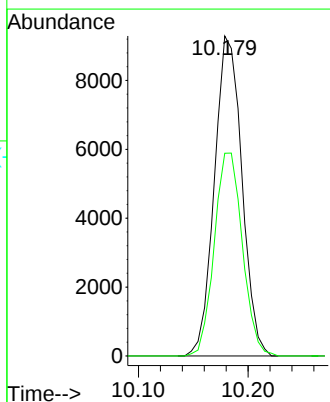
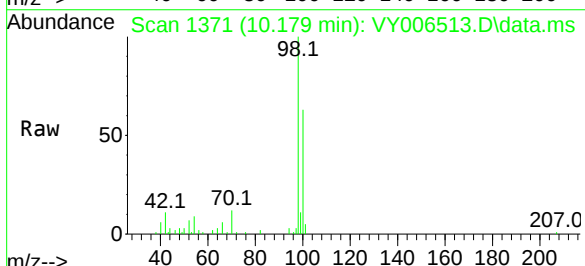


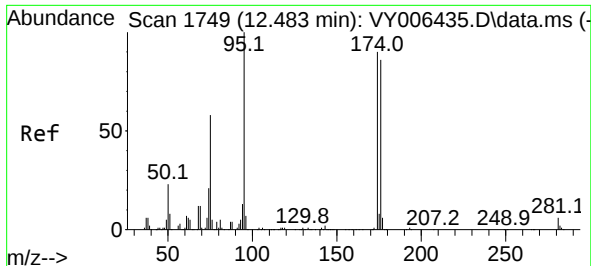
Tgt Ion: 117 Resp: 928
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.226 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 98 Resp: 16185
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3

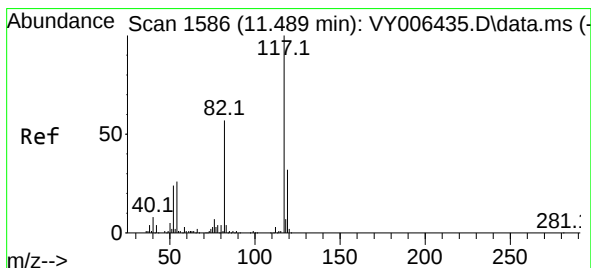
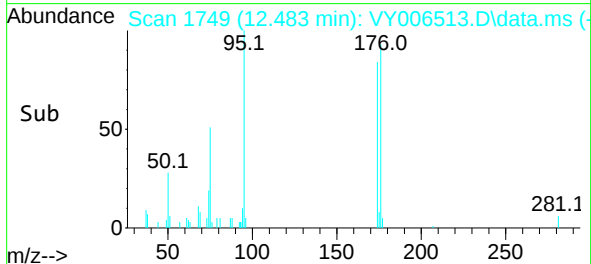
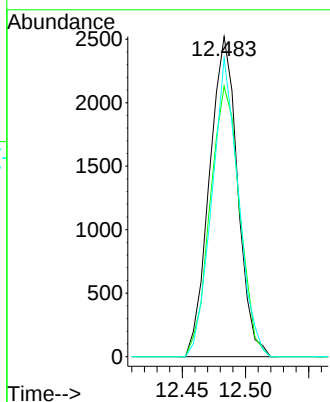
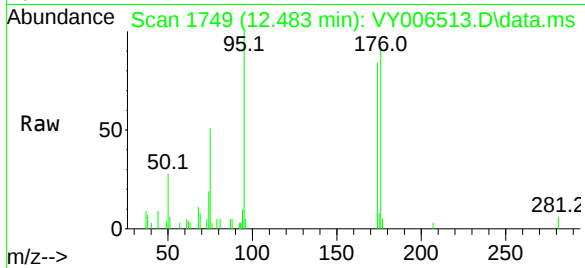




#62
4-Bromofluorobenzene
Concen: 36.568 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

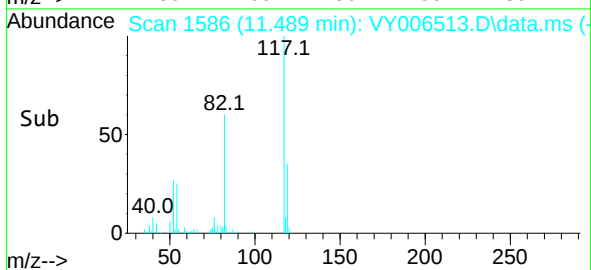
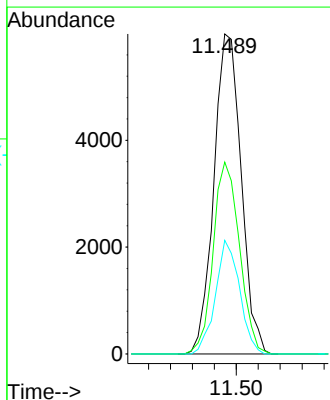
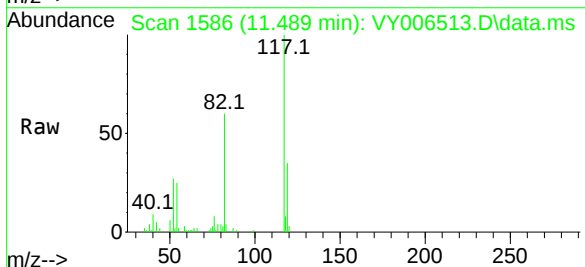
Instrument :
MSVOA_Y
ClientSampleId :

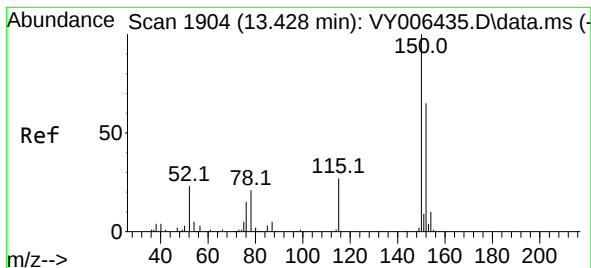
Tgt Ion:	95	Resp:	3892
Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	177.0
176	88.3	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion:	117	Resp:	10370
Ion	Ratio	Lower	Upper
117	100		
82	60.0	45.7	68.5
119	35.5	25.5	38.3

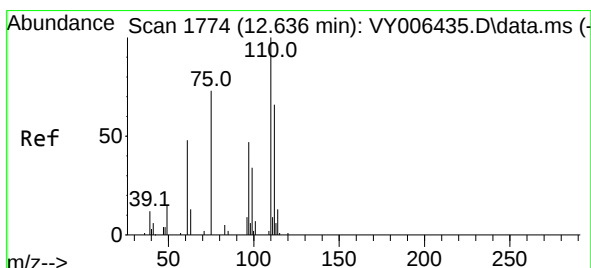
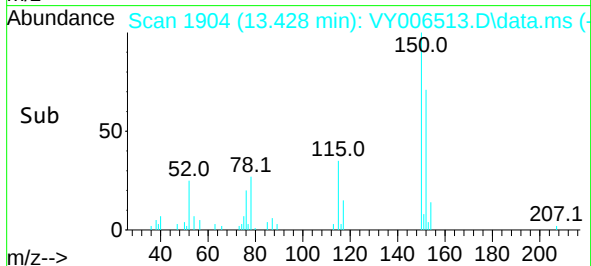
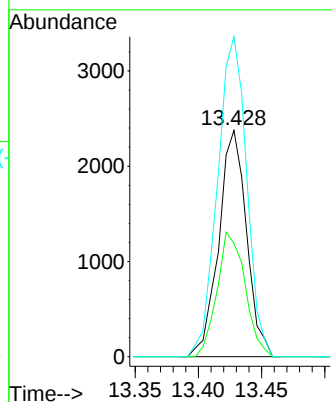
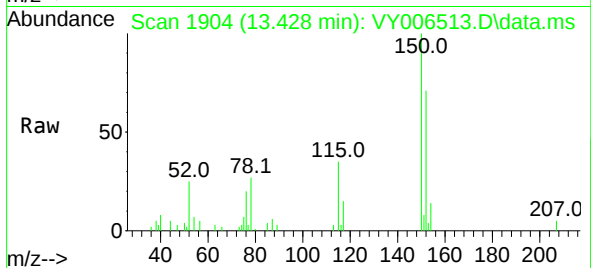




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

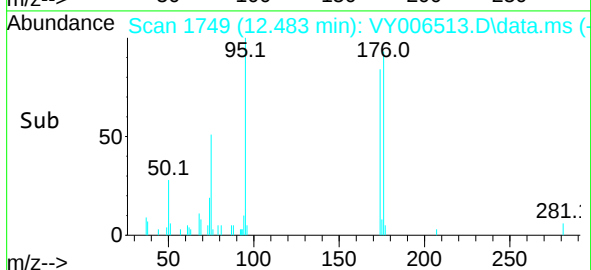
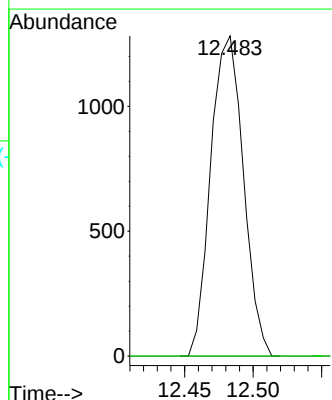
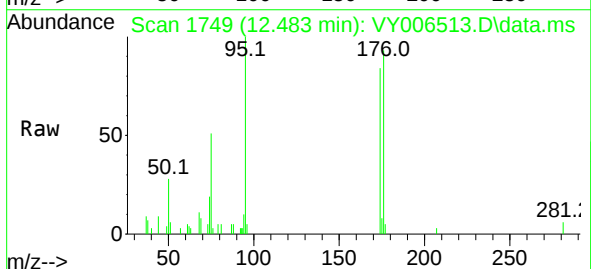
Instrument :
MSVOA_Y
ClientSampleId :

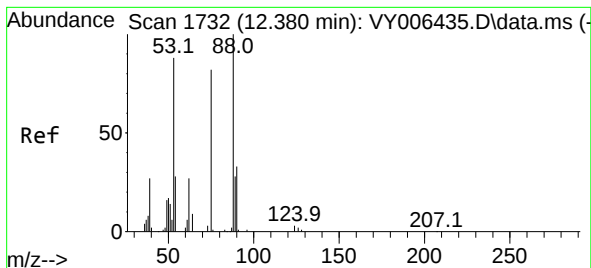
Tgt Ion:152 Resp: 3626
Ion Ratio Lower Upper
152 100
115 55.4 28.5 85.5
150 148.1 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 56.898 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 75 Resp: 2126
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

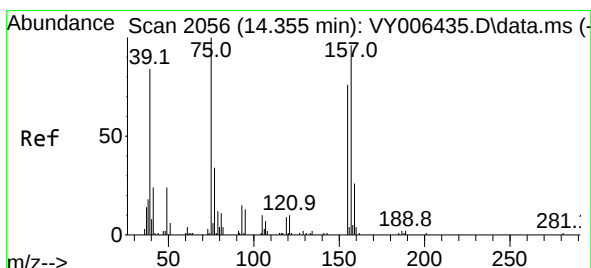
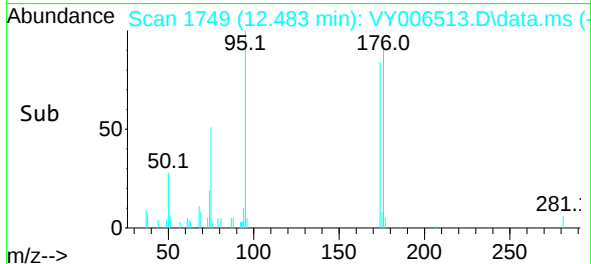
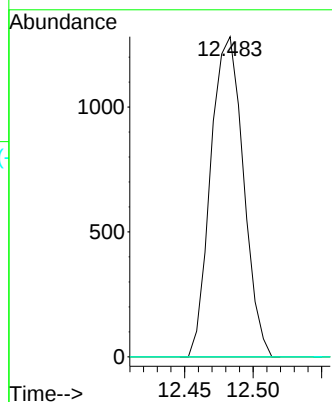
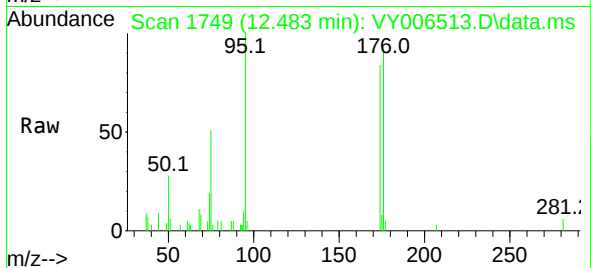




#81
trans-1,4-Dichloro-2-butene
Concen: 116.810 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2126
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.467 ug/l
RT: 14.233 min Scan# 2036
Delta R.T. -0.122 min
Lab File: VY006513.D
Acq: 28 Oct 2021 14:12

Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
155 0.0 39.0 116.9#
157 0.0 49.2 147.6#

