

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004258.D
 Acq On : 02 Apr 2021 13:29
 Operator : SY/MD
 Sample : M1836-05RE
 Misc : 6.87g/5mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B3-0-2

Quant Time: Apr 02 22:59:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

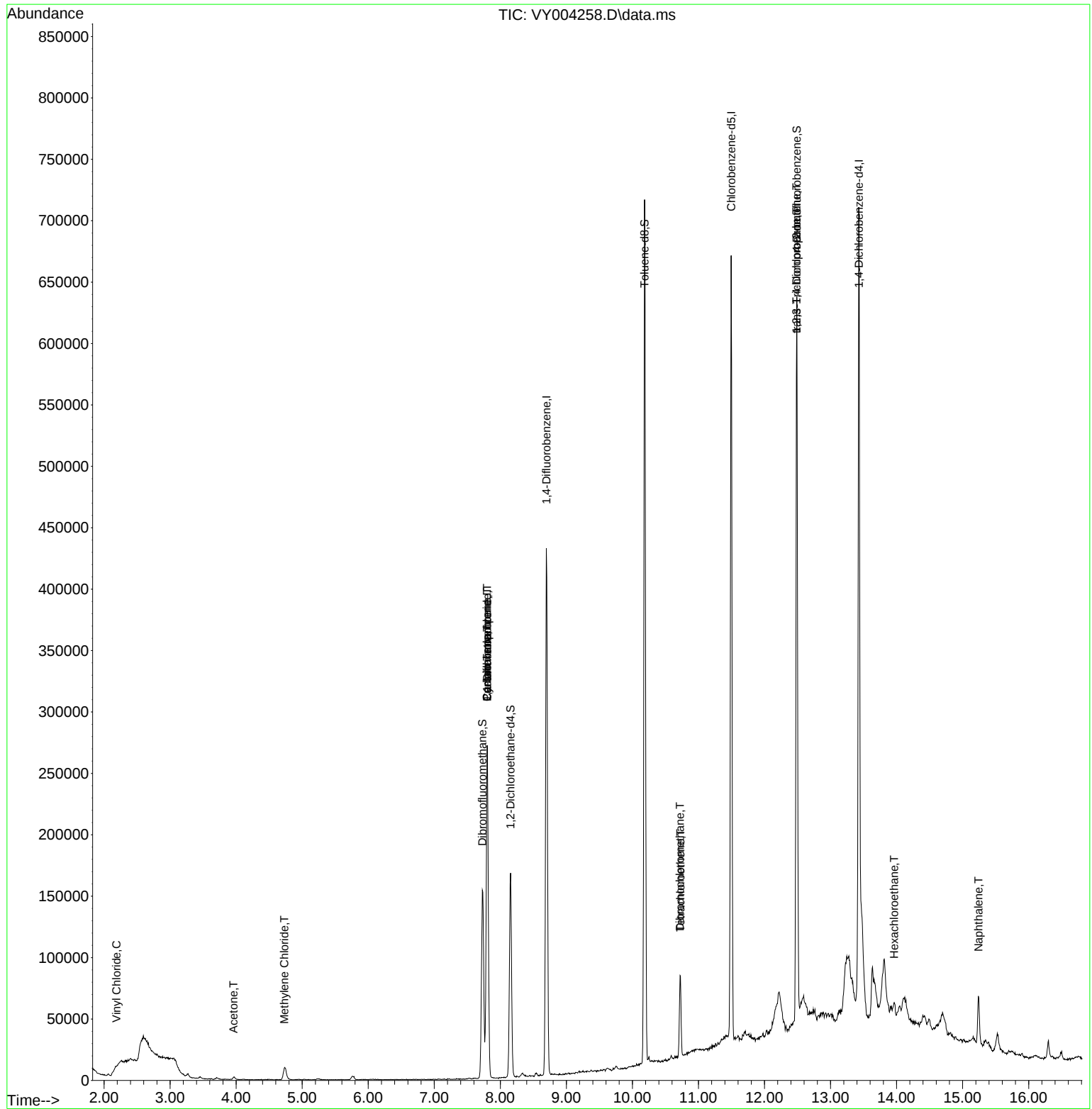
Internal Standards						
1) Pentafluorobenzene	7.801	168	204653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	356753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	330502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149740	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	127195	64.65	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	129.30%	
35) Dibromofluoromethane	7.728	113	109034	54.85	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	109.70%	
50) Toluene-d8	10.185	98	436544	58.39	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	116.78%	
62) 4-Bromofluorobenzene	12.489	95	148763	58.06	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	116.12%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.186	62	3185	1.19	ug/l #	42
13) Acrolein	3.759	56	208	Below Cal	#	15
16) Acetone	3.960	43	3550	8.66	ug/l	94
20) Methylene Chloride	4.728	84	7291	1.17	ug/l	97
31) Cyclohexane	7.801	56	4833	1.39	ug/l #	3
36) 1,1-Dichloropropene	7.801	75	15661	4.81	ug/l #	48
38) Carbon Tetrachloride	7.801	117	20488	7.23	ug/l #	16
49) 1,4-Dioxane	9.301	88	94	Below Cal	#	30
60) Dibromochloromethane	10.721	129	12906	5.86	ug/l #	10
64) Tetrachloroethene	10.727	164	14279	4.39	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	81701	60.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	81701	110.74	ug/l #	10
90) Hexachloroethane	13.965	117	238	7.52	ug/l #	39
95) Naphthalene	15.239	128	27408	4.24	ug/l #	95

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

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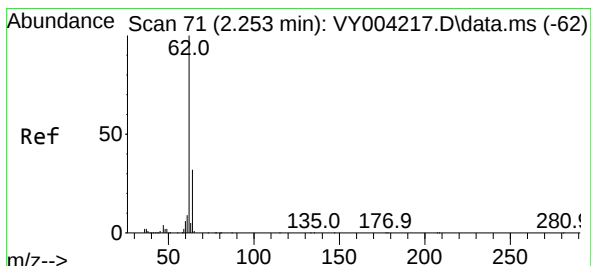
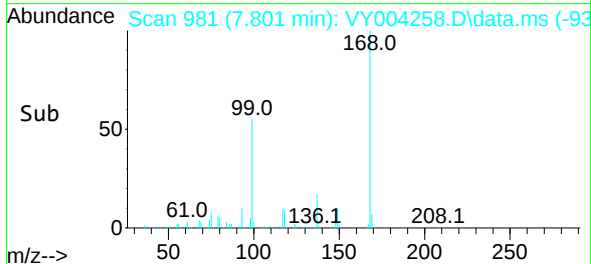
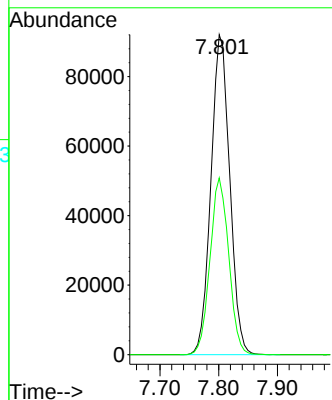
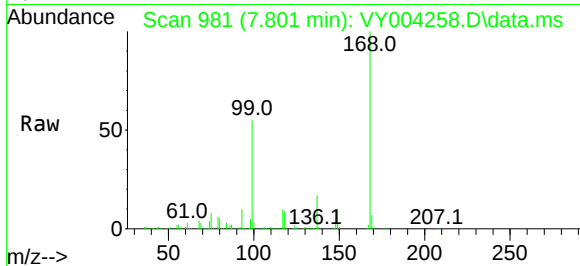




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

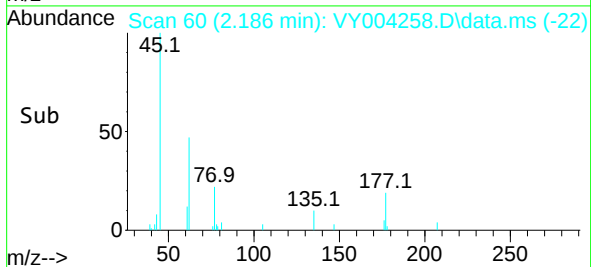
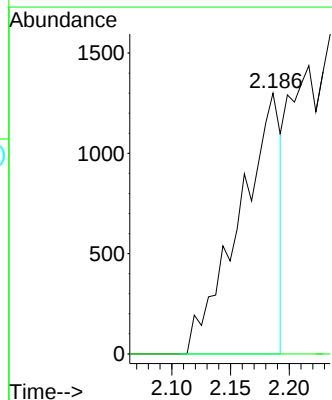
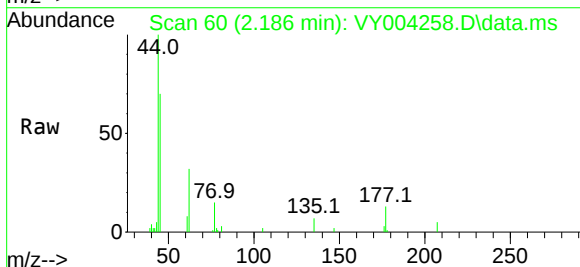
Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2

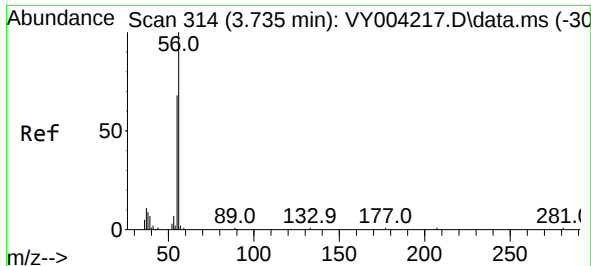
Tgt Ion:168 Resp: 204653
Ion Ratio Lower Upper
168 100
99 55.3 42.6 64.0



#4
Vinyl Chloride
Concen: 1.19 ug/l
RT: 2.186 min Scan# 60
Delta R.T. -0.067 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Tgt Ion: 62 Resp: 3185
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

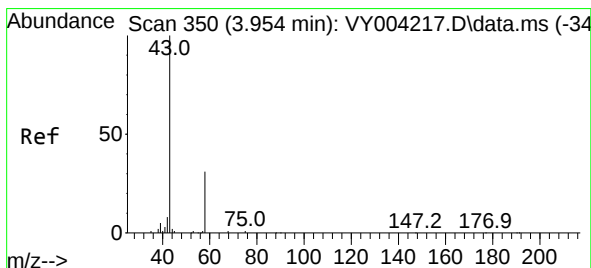
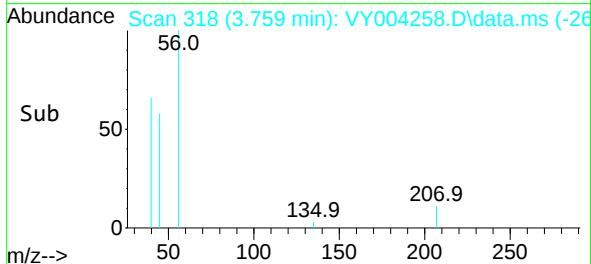
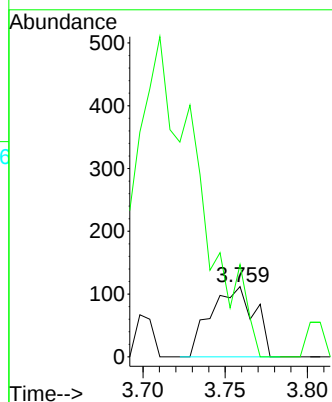
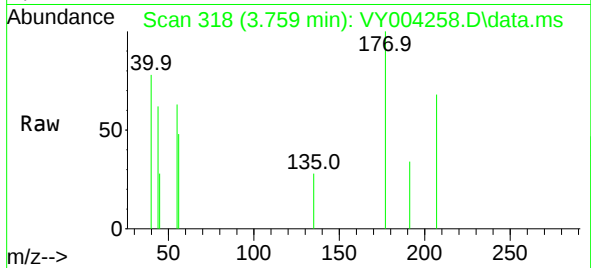




#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 318
Delta R.T. 0.024 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

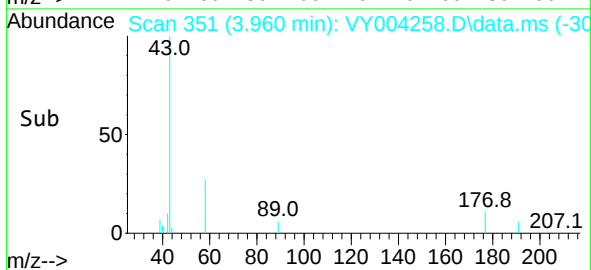
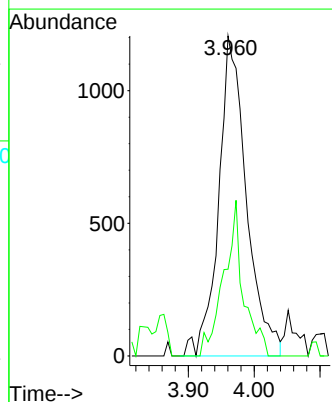
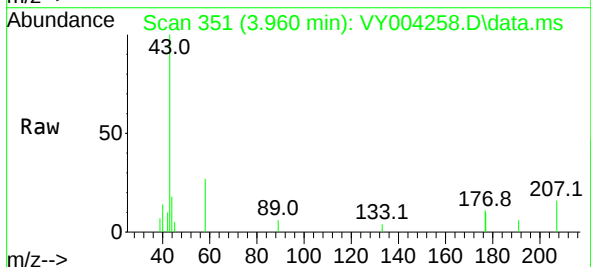
Instrument :
MSVOA_Y
ClientSampled :
B3-0-2

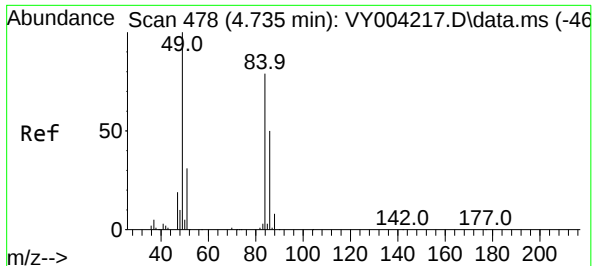
Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#16
Acetone
Concen: 8.66 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

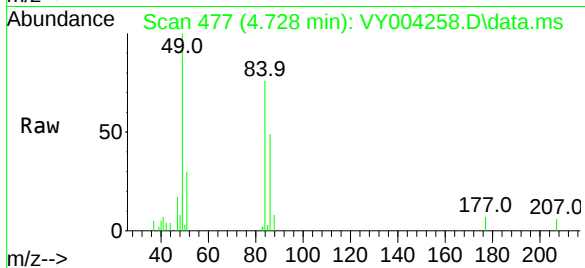
Tgt Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
58 27.1 24.5 36.7





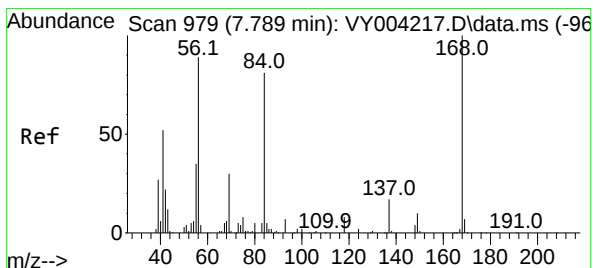
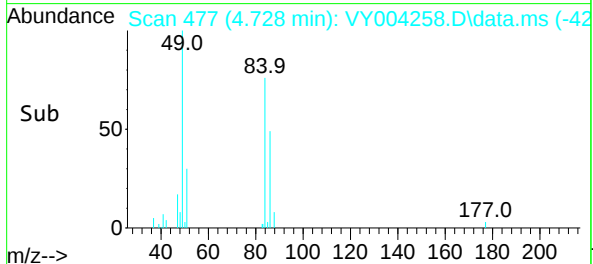
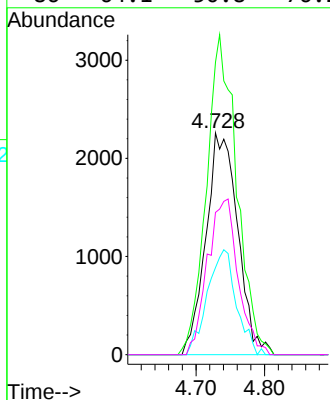
#20
Methylene Chloride
Concen: 1.17 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2



Tgt Ion: 84 Resp: 7291

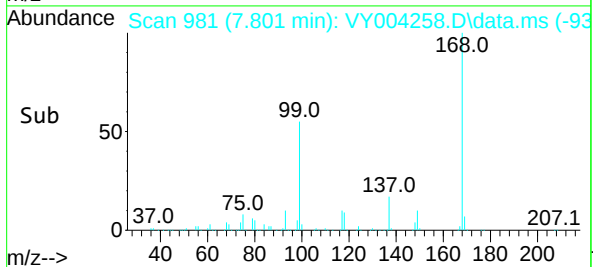
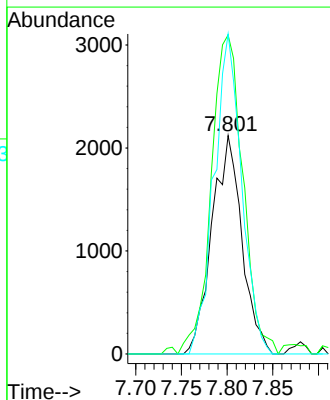
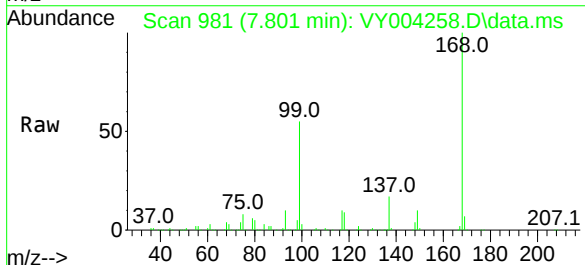
Ion	Ratio	Lower	Upper
84	100		
49	131.8	101.5	152.3
51	39.2	31.5	47.3
86	64.1	50.8	76.2

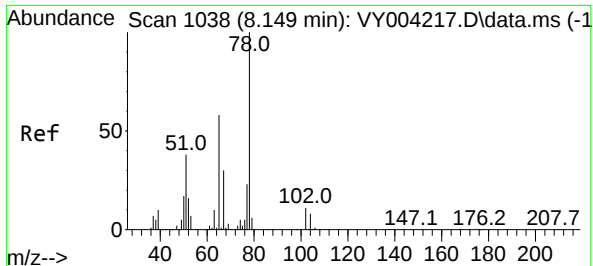


#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Tgt Ion: 56 Resp: 4833

Ion	Ratio	Lower	Upper
56	100		
69	146.0	26.6	40.0#
84	146.5	72.3	108.5#

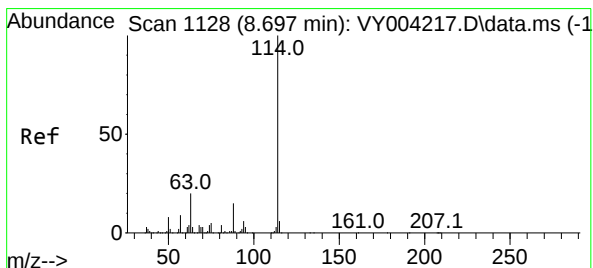
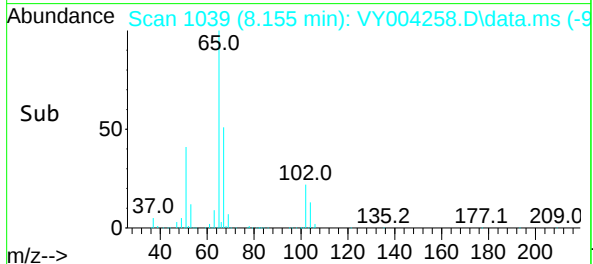
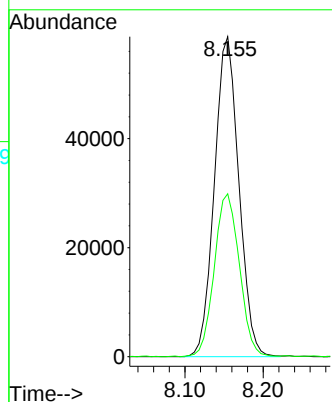
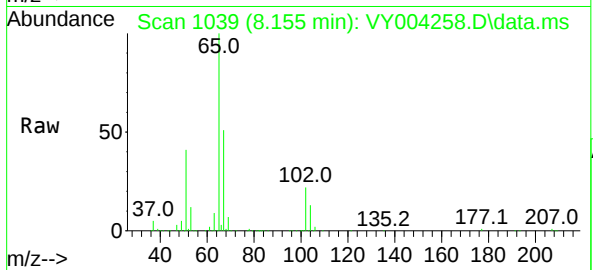




#33
 1,2-Dichloroethane-d4
 Concen: 64.65 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.006 min
 Lab File: VY004258.D
 Acq: 02 Apr 2021 13:29

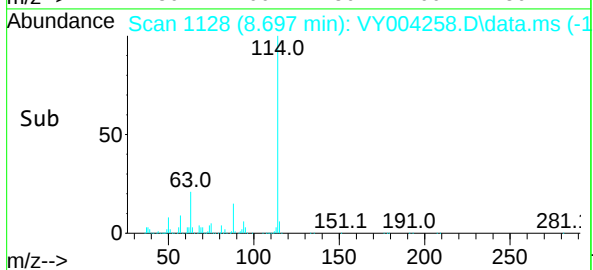
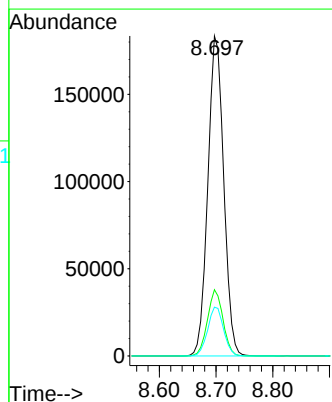
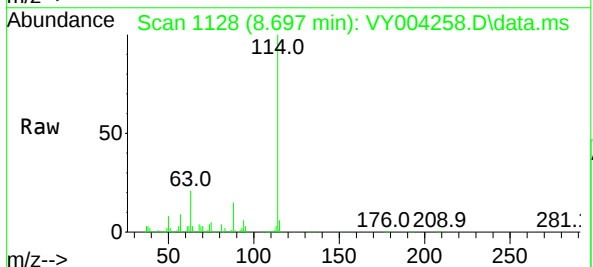
Instrument :
 MSVOA_Y
 ClientSampled :
 B3-0-2

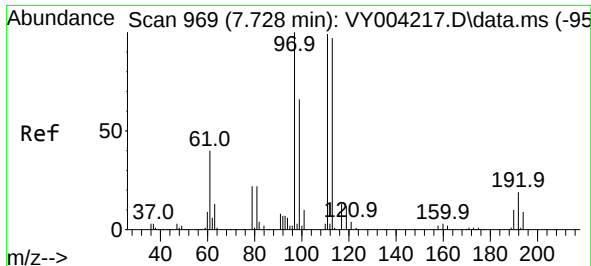
Tgt Ion: 65 Resp: 127195
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY004258.D
 Acq: 02 Apr 2021 13:29

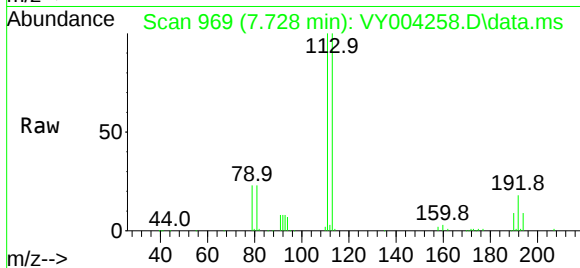
Tgt Ion: 114 Resp: 356753
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 15.3 0.0 30.8



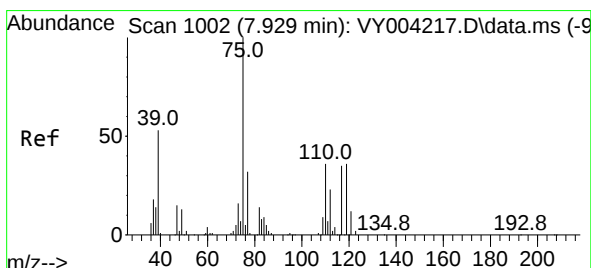
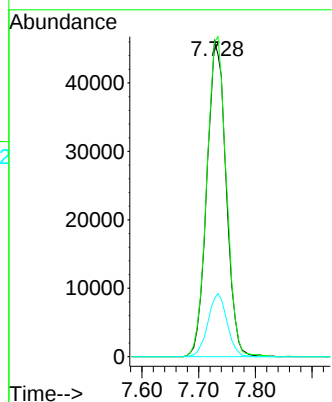
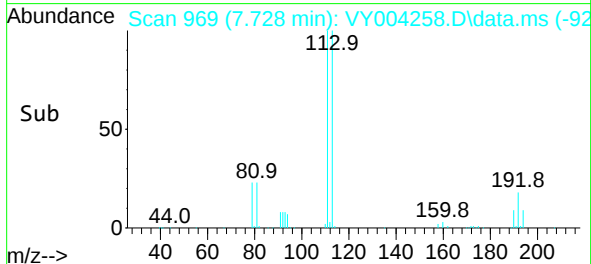


#35
Dibromofluoromethane
Concen: 54.85 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

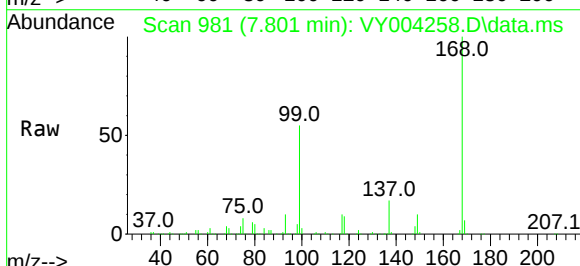
Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2



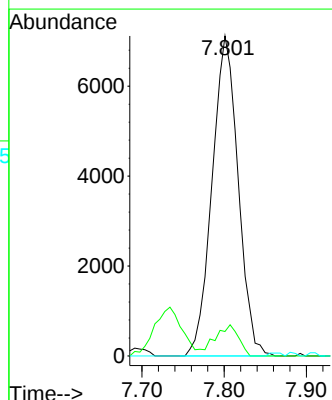
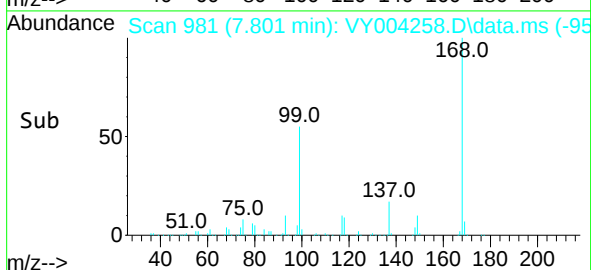
Tgt Ion:113 Resp: 109034
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 19.8 16.4 24.6

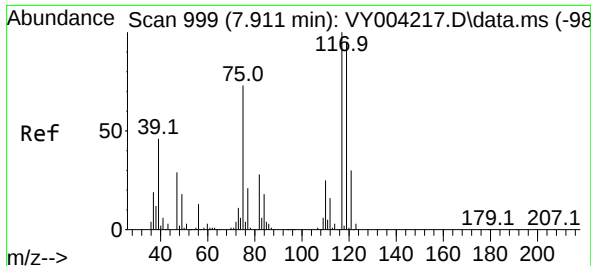


#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29



Tgt Ion: 75 Resp: 15661
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.3#
77 0.0 25.1 37.7#

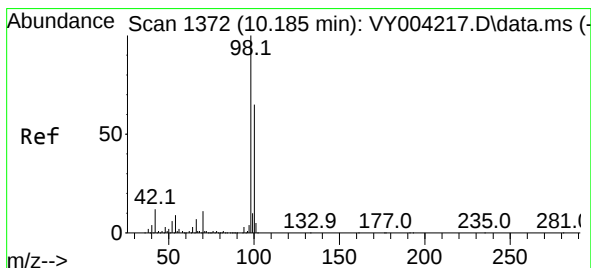
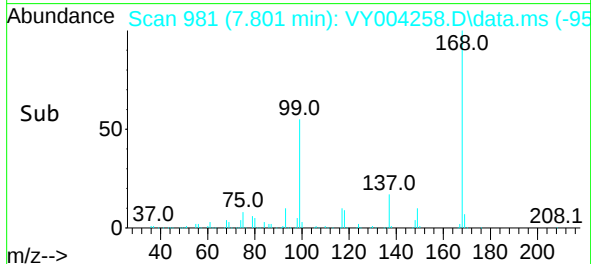
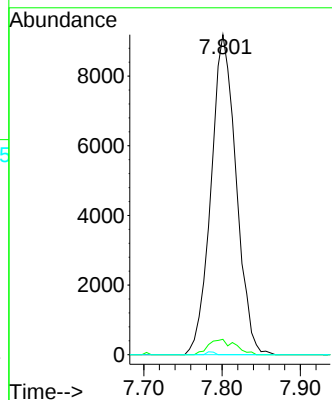
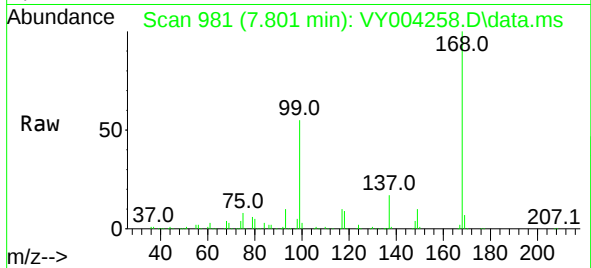




#38
Carbon Tetrachloride
Concen: 7.23 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

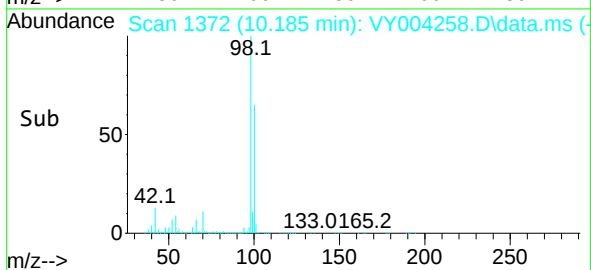
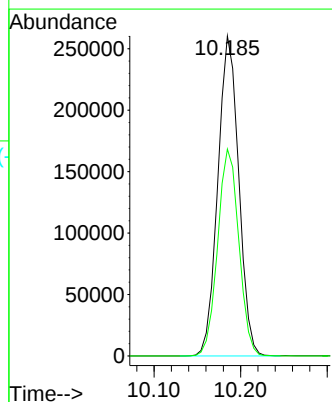
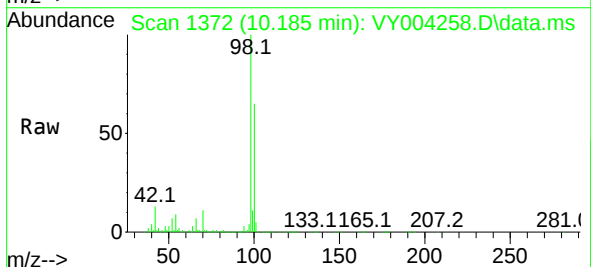
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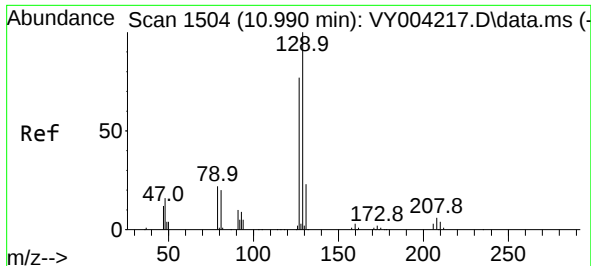
Tgt Ion:117 Resp: 20488
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.39 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Tgt Ion: 98 Resp: 436544
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

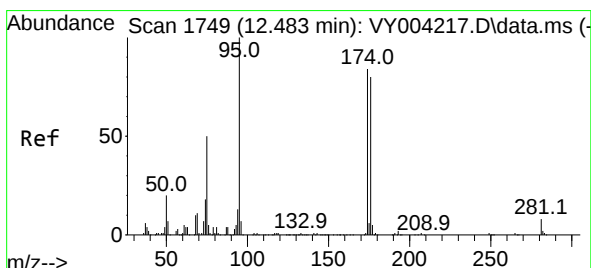
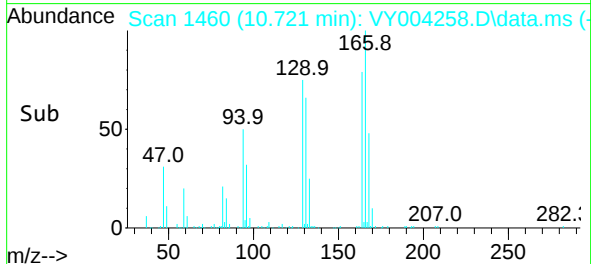
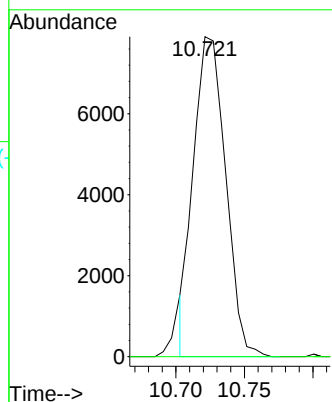
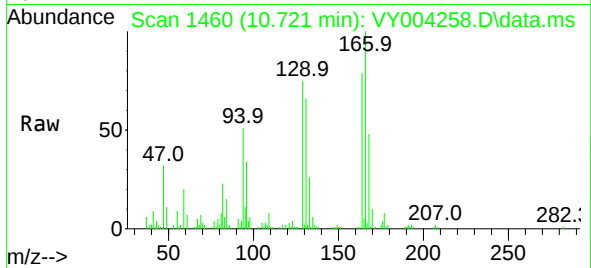




#60
Dibromochloromethane
Concen: 5.86 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.268 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

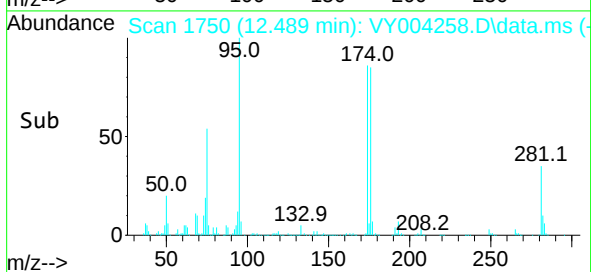
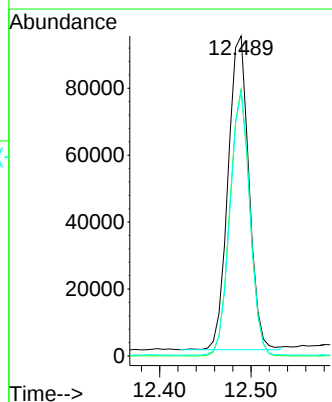
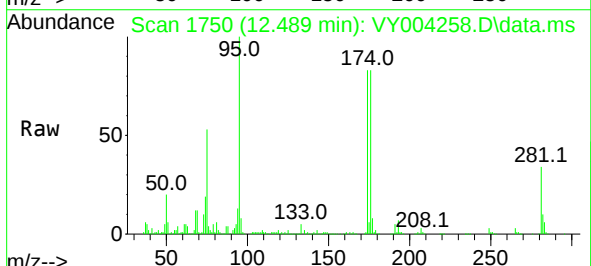
Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2

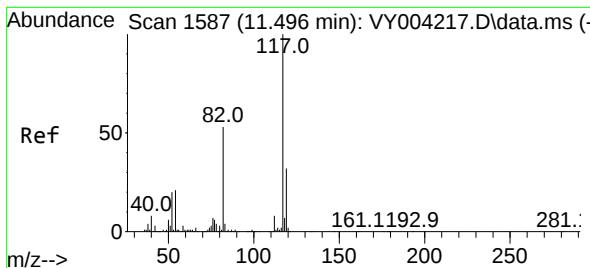
Tgt Ion:129 Resp: 12906
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 58.06 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Tgt Ion: 95 Resp: 148763
Ion Ratio Lower Upper
95 100
174 81.6 0.0 171.4
176 80.4 0.0 165.6

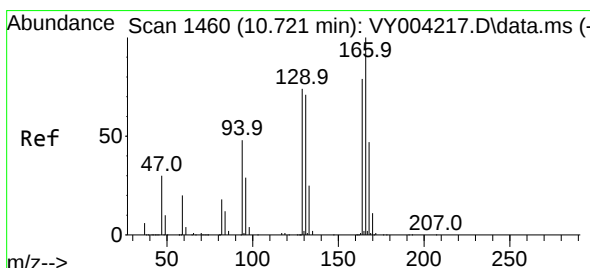
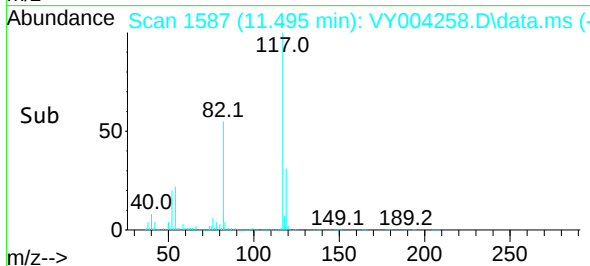
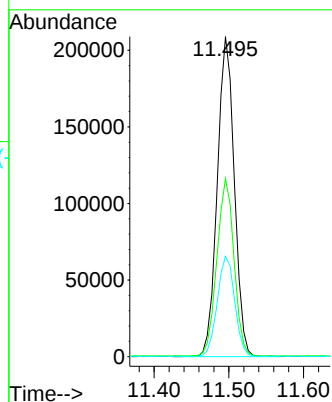
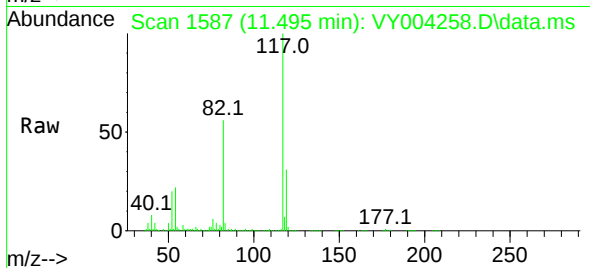




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

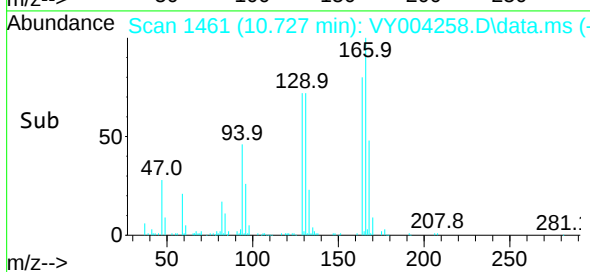
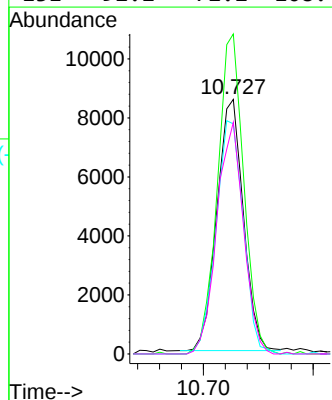
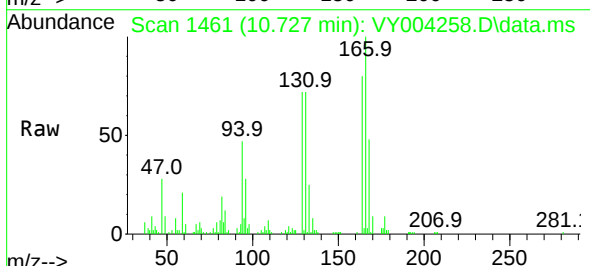
Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2

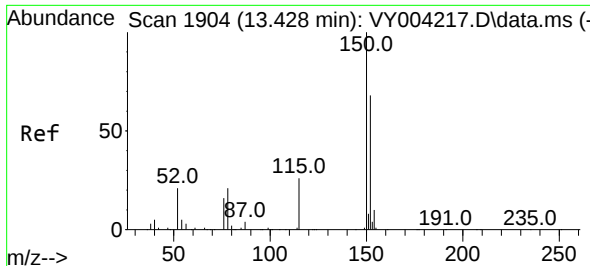
Tgt Ion:117	Resp:	330502
Ion	Ratio	Lower Upper
117	100	
82	55.4	42.7 64.1
119	31.3	25.7 38.5



#64
Tetrachloroethene
Concen: 4.39 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Tgt Ion:164	Resp:	14279
Ion	Ratio	Lower Upper
164	100	
166	127.4	101.3 151.9
129	91.6	75.3 112.9
131	92.2	72.2 108.4

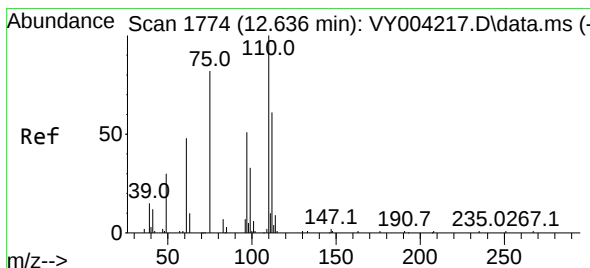
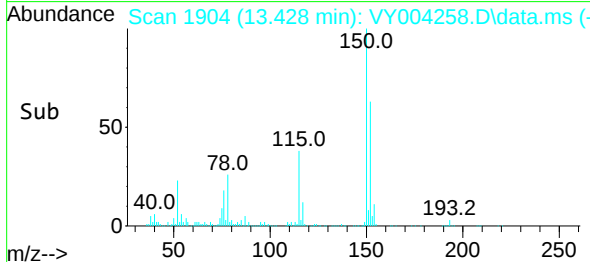
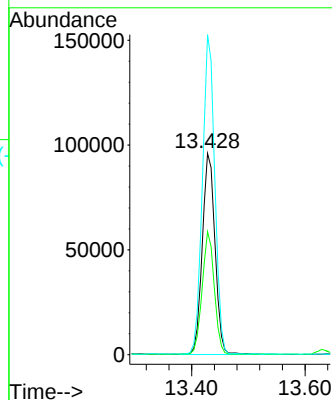
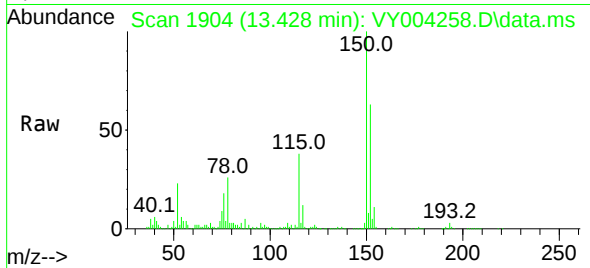




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004258.D
 Acq: 02 Apr 2021 13:29

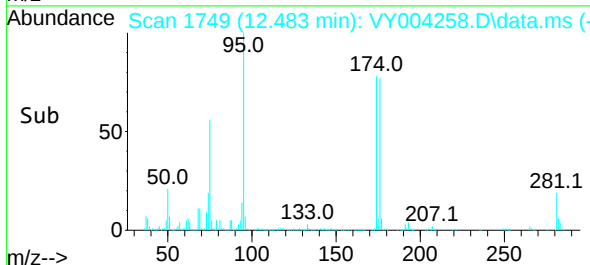
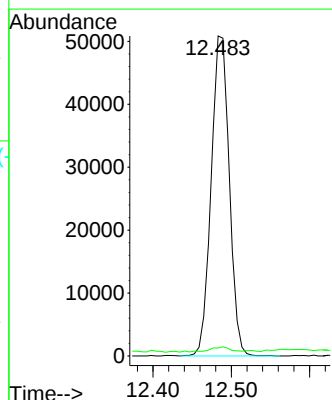
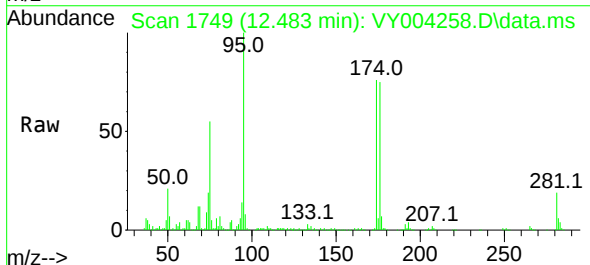
Instrument :
 MSVOA_Y
 ClientSampleId :
 B3-0-2

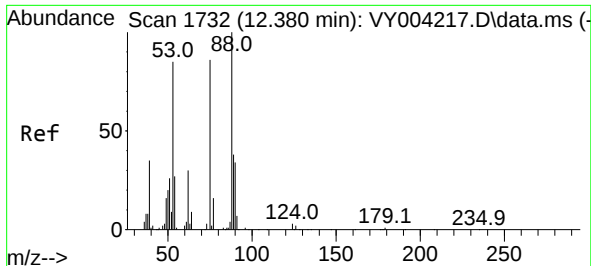
Tgt Ion:152 Resp: 149740
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.0 87.1
 150 153.6 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 60.09 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY004258.D
 Acq: 02 Apr 2021 13:29

Tgt Ion: 75 Resp: 81701
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

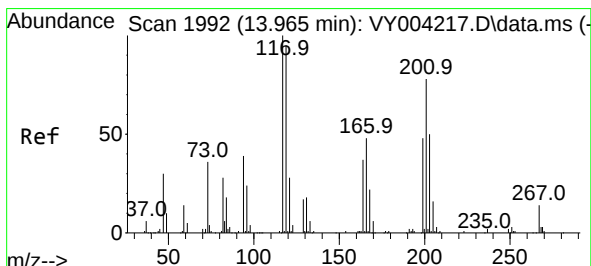
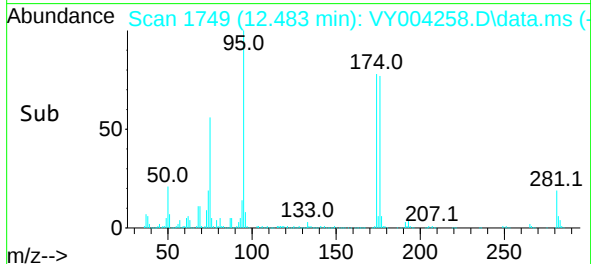
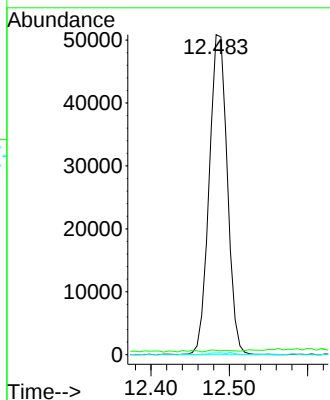
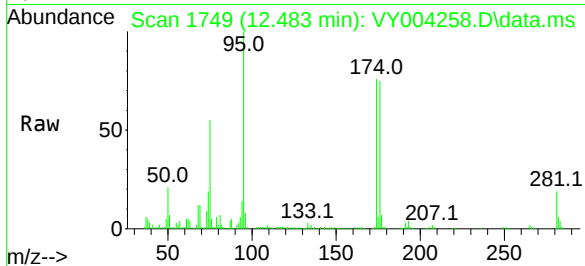




#81
trans-1,4-Dichloro-2-butene
Concen: 110.74 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

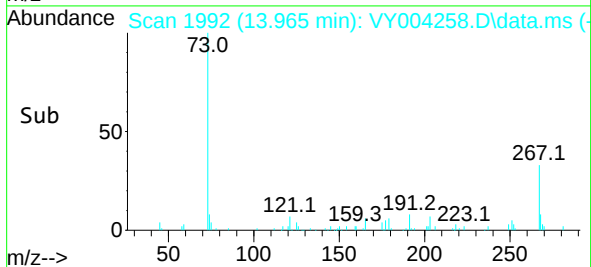
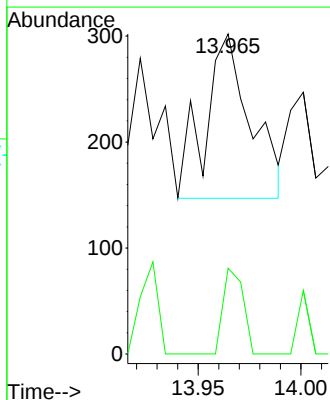
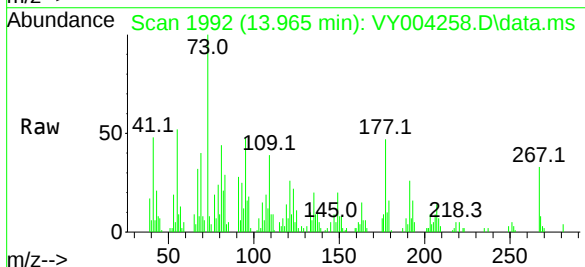
Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2

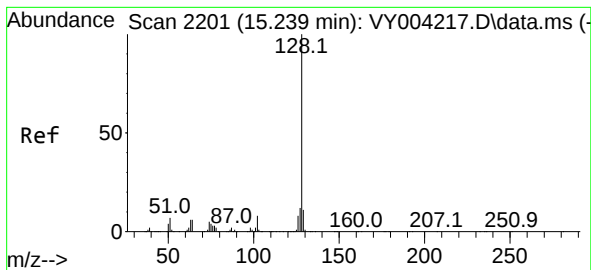
Tgt Ion: 75 Resp: 81701
Ion Ratio Lower Upper
75 100
53 0.4 79.3 118.9#
89 0.0 39.4 59.2#



#90
Hexachloroethane
Concen: 7.52 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Tgt Ion: 117 Resp: 238
Ion Ratio Lower Upper
117 100
201 23.1 37.6 112.9#





#95
Naphthalene
Concen: 4.24 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004258.D
Acq: 02 Apr 2021 13:29

Instrument :
MSVOA_Y
ClientSampleId :
B3-0-2

Tgt Ion:128 Resp: 27408
Ion Ratio Lower Upper
128 100
127 14.0 10.1 15.1
129 13.5 8.9 13.3#

