

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004272.D
 Acq On : 02 Apr 2021 18:54
 Operator : SY/MD
 Sample : M1908-02
 Misc : 7.16g/5mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(2-2.5)

Quant Time: Apr 02 23:04:09 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	242587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	417823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	384971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	152246	65.28	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.56%
35) Dibromofluoromethane	7.728	113	127910	54.94	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.88%
50) Toluene-d8	10.185	98	511638	58.43	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.86%
62) 4-Bromofluorobenzene	12.483	95	177024	58.99	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.98%

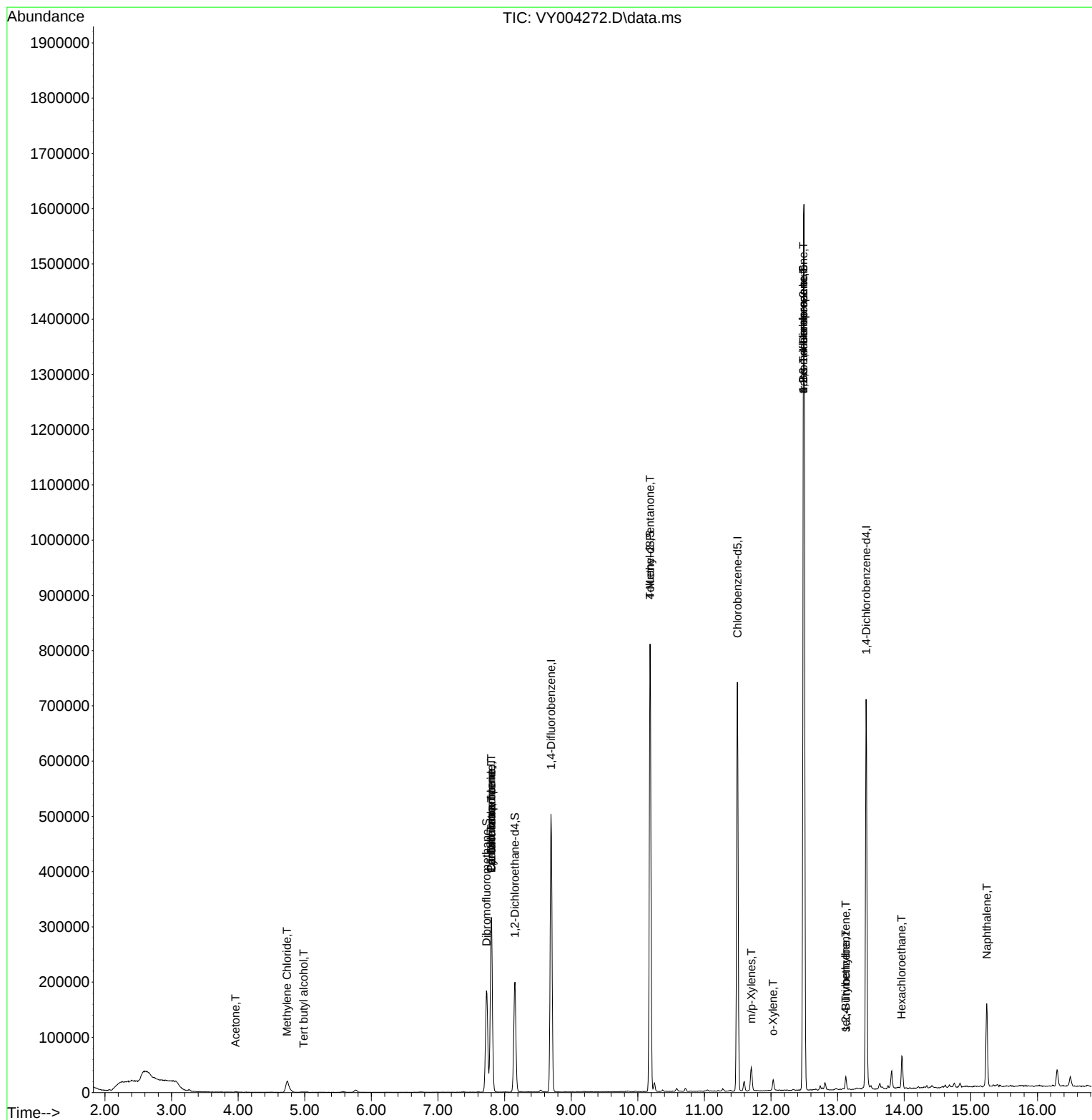
Target Compounds						Qvalue
11) Tert butyl alcohol	4.985	59	1686	8.88	ug/l #	71
13) Acrolein	3.741	56	52	Below Cal	#	1
16) Acetone	3.960	43	1593	3.28	ug/l	99
20) Methylene Chloride	4.735	84	14933	3.95	ug/l	96
31) Cyclohexane	7.801	56	5445	1.32	ug/l #	23
36) 1,1-Dichloropropene	7.801	75	18762	4.92	ug/l #	49
38) Carbon Tetrachloride	7.801	117	24102	7.27	ug/l #	18
49) 1,4-Dioxane	9.295	88	42	Below Cal	#	68
51) 4-Methyl-2-Pentanone	10.185	43	2760	1.28	ug/l #	1
68) m/p-Xylenes	11.703	106	11546	2.16	ug/l	97
69) o-Xylene	12.032	106	5197	1.04	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	105204	67.71	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	105204	124.80	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	12135	1.19	ug/l	98
85) sec-Butylbenzene	13.123	105	12135	1.00	ug/l #	56
90) Hexachloroethane	13.959	117	628	7.82	ug/l #	12
95) Naphthalene	15.239	128	121996	16.51	ug/l	99

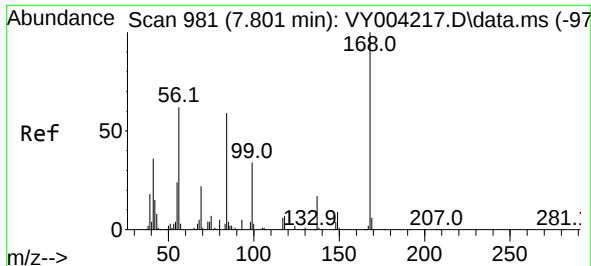
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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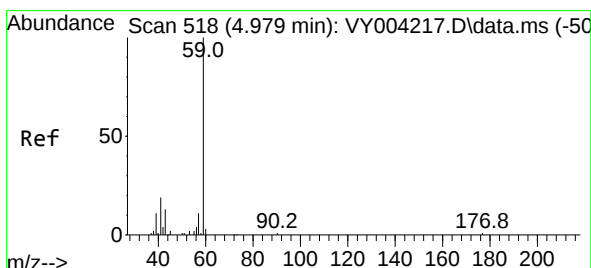
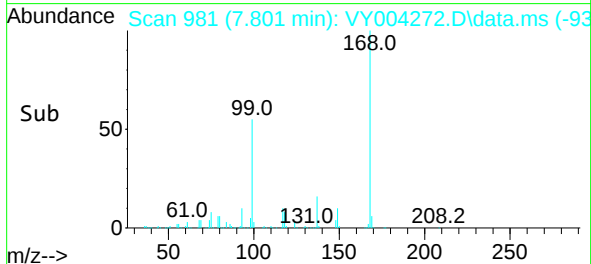
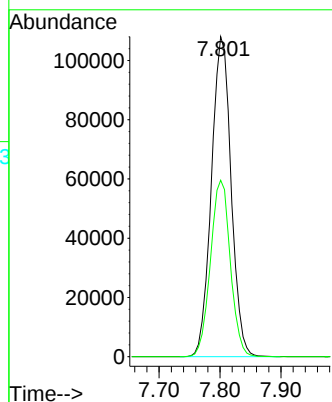
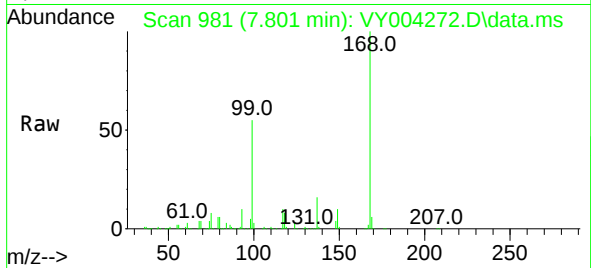




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

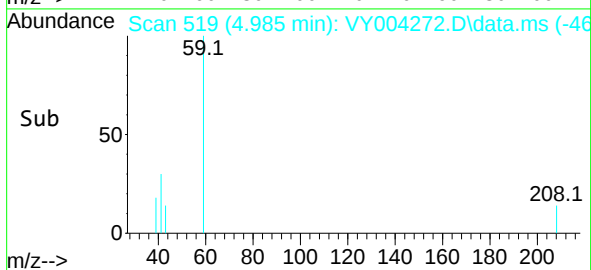
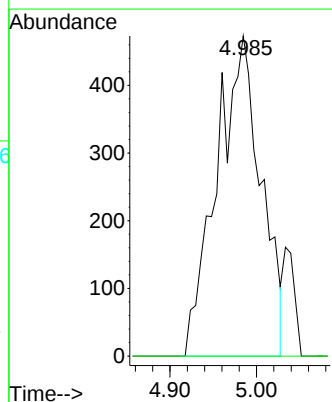
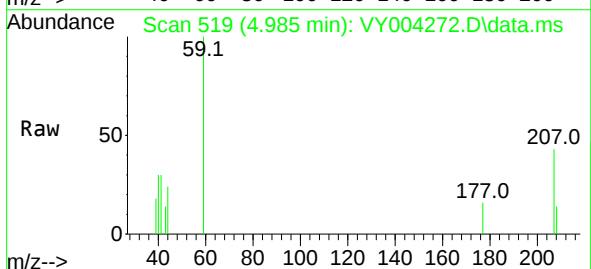
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

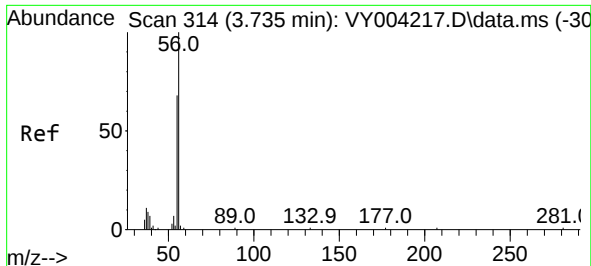
Tgt Ion:168 Resp: 242587
Ion Ratio Lower Upper
168 100
99 55.1 42.6 64.0



#11
Tert butyl alcohol
Concen: 8.88 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 59 Resp: 1686
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

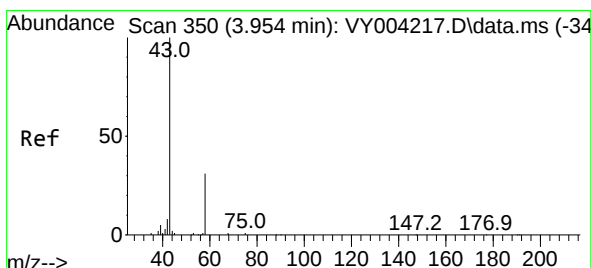
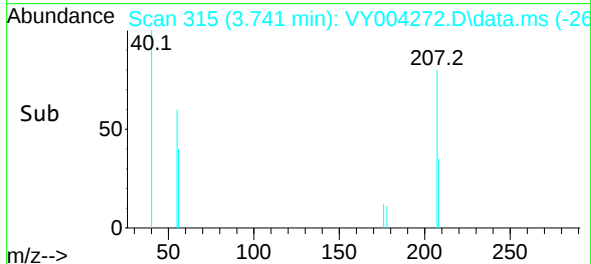
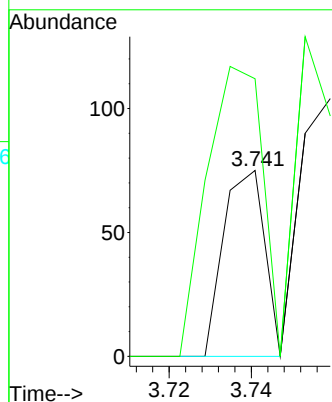
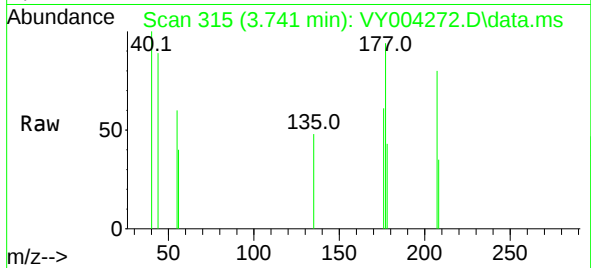




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

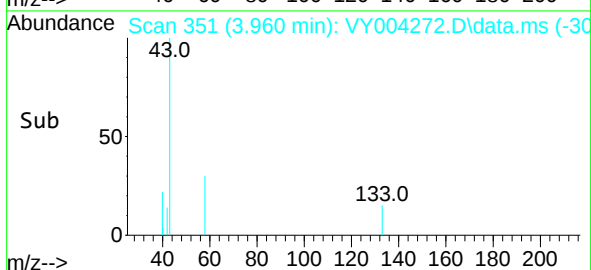
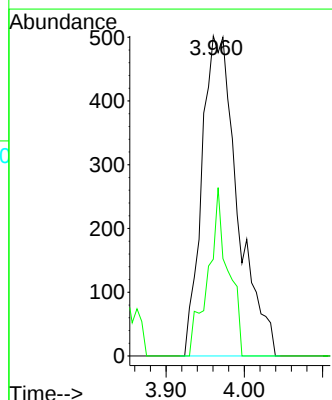
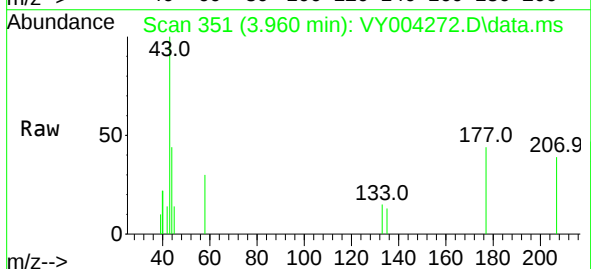
Instrument :
MSVOA_Y
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SB-2(2-2.5)

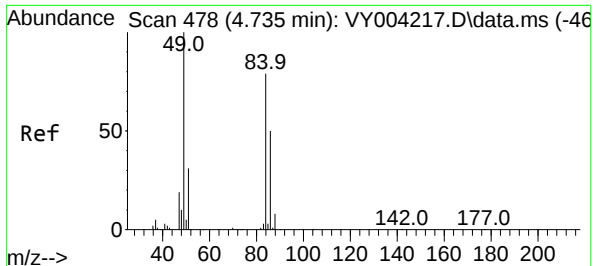
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 211.5 55.0 82.4#



#16
Acetone
Concen: 3.28 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
58 30.3 24.5 36.7

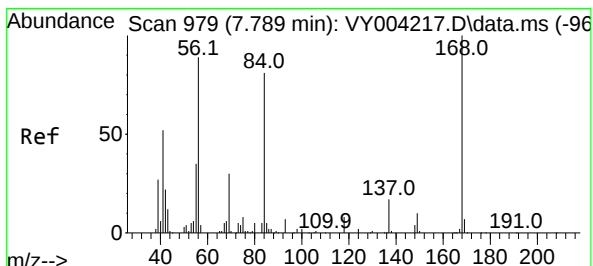
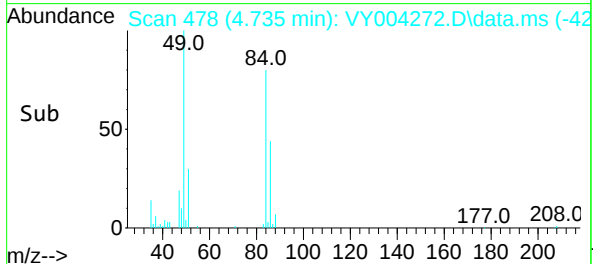
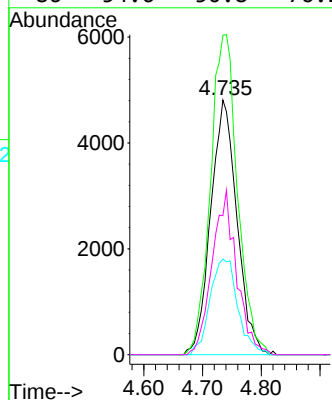
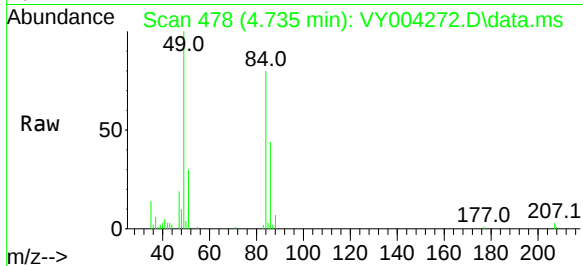




#20
Methylene Chloride
Concen: 3.95 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

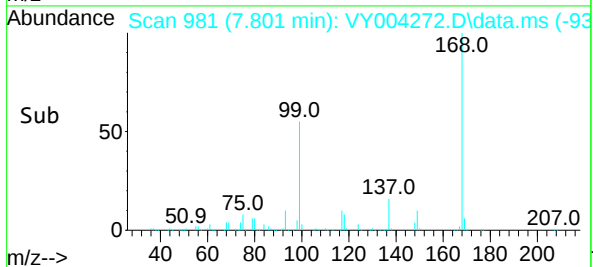
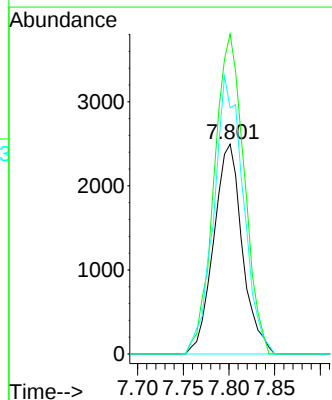
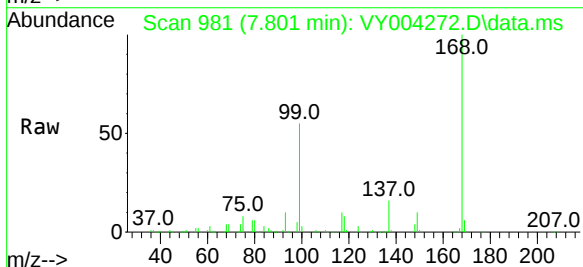
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

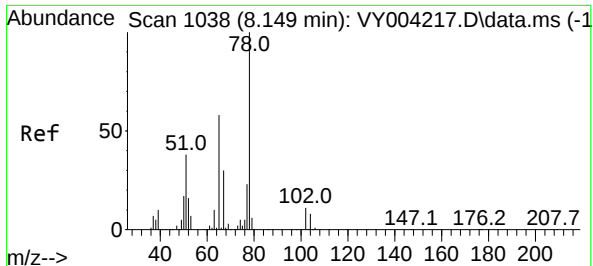
Tgt Ion:	84	Resp:	14933
Ion	Ratio	Lower	Upper
84	100		
49	125.5	101.5	152.3
51	37.5	31.5	47.3
86	54.6	50.8	76.2



#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion:	56	Resp:	5445
Ion	Ratio	Lower	Upper
56	100		
69	152.6	26.6	40.0#
84	117.4	72.3	108.5#

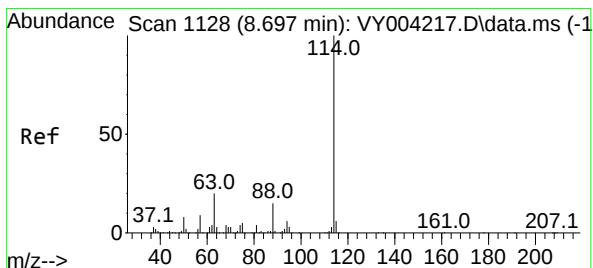
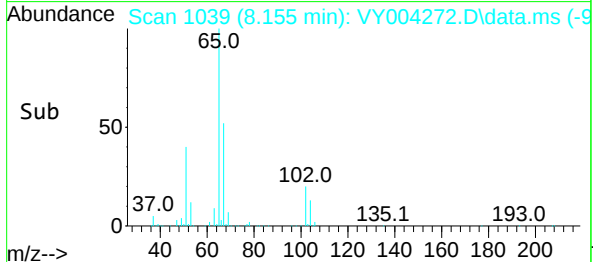
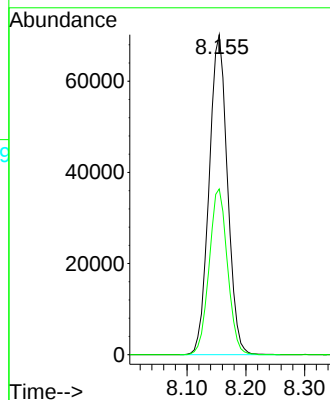
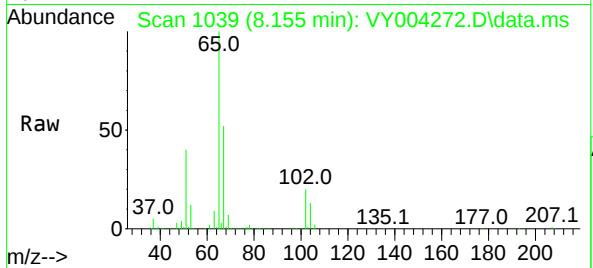




#33
1,2-Dichloroethane-d4
Concen: 65.28 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

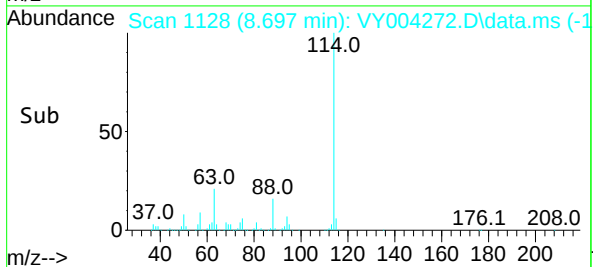
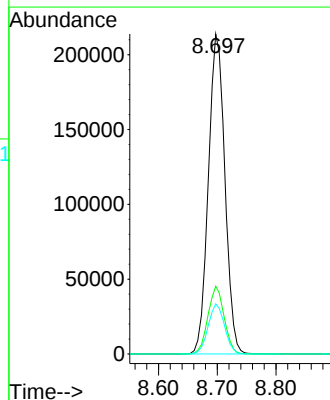
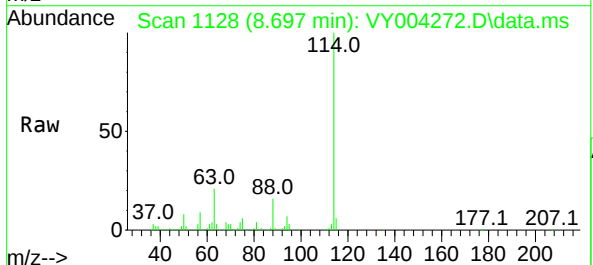
Instrument :
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ClientSampleId :
SB-2(2-2.5)

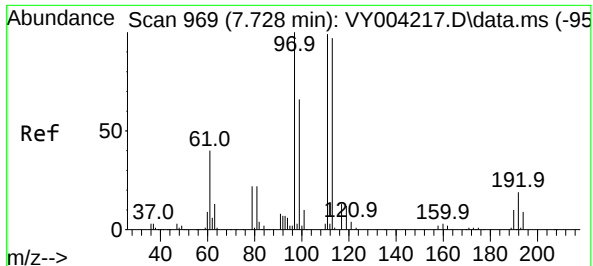
Tgt Ion: 65 Resp: 152246
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 114 Resp: 417823
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.4
88 15.7 0.0 30.8

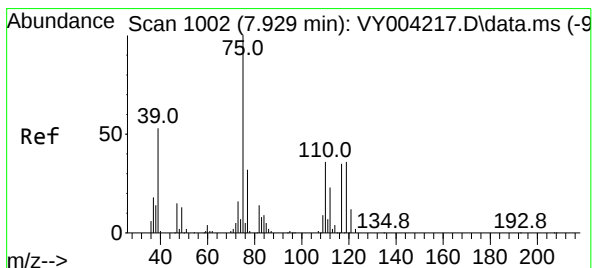
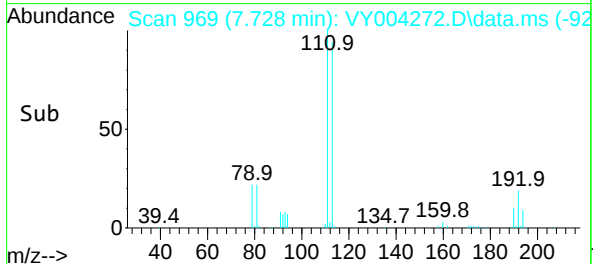
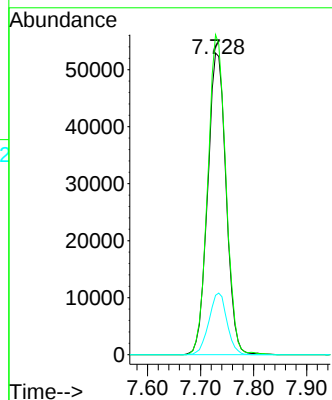
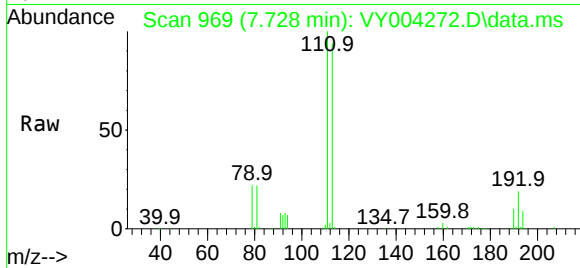




#35
Dibromofluoromethane
Concen: 54.94 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

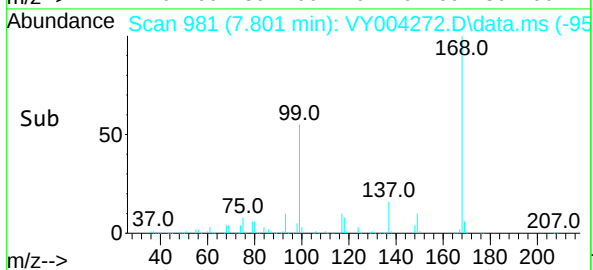
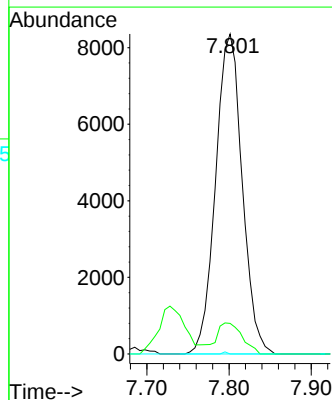
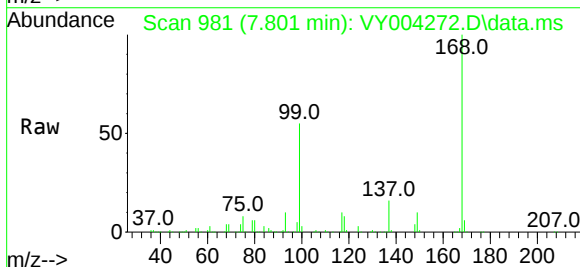
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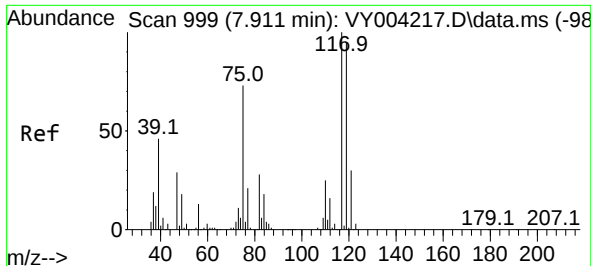
Tgt Ion:113 Resp: 127910
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 20.0 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 75 Resp: 18762
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.3#
77 0.0 25.1 37.7#

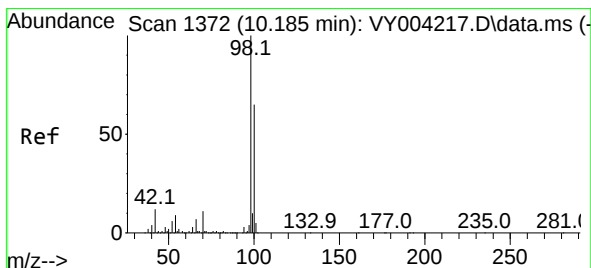
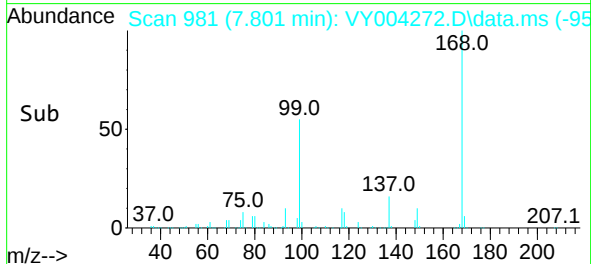
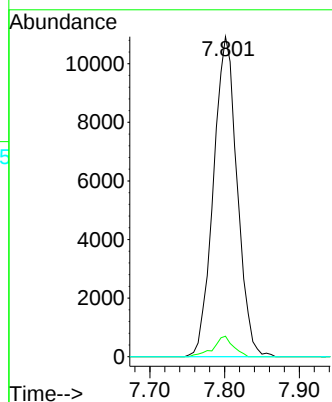
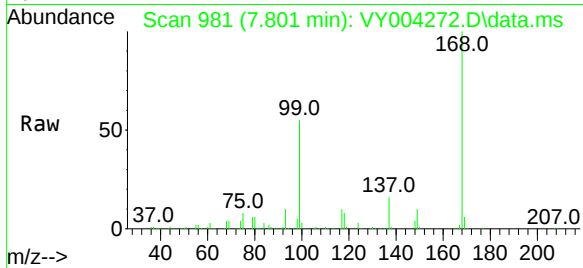




#38
Carbon Tetrachloride
Concen: 7.27 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

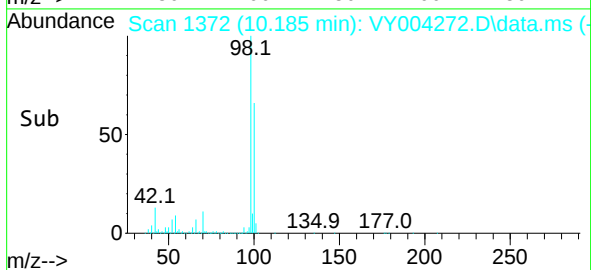
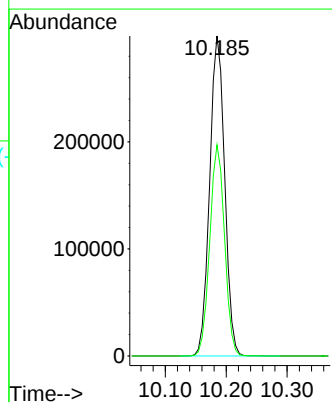
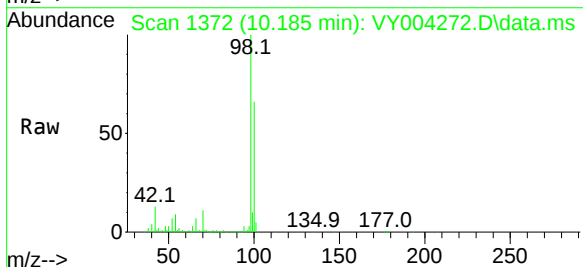
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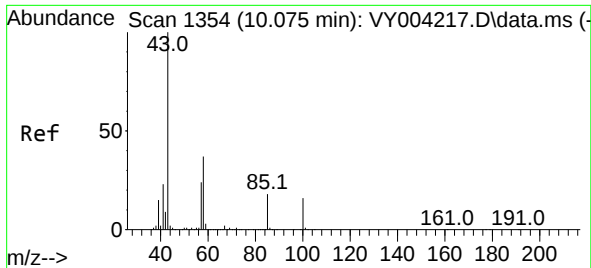
Tgt Ion:117 Resp: 24102
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.43 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 98 Resp: 511638
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

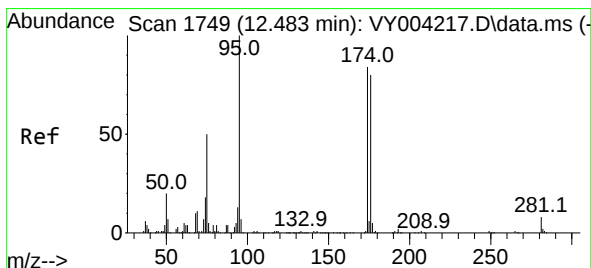
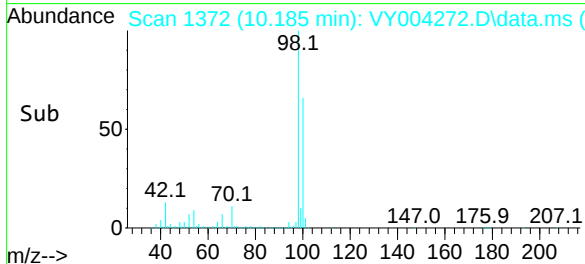
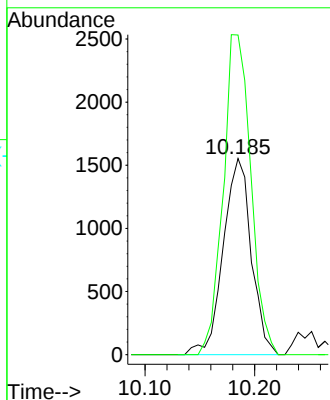
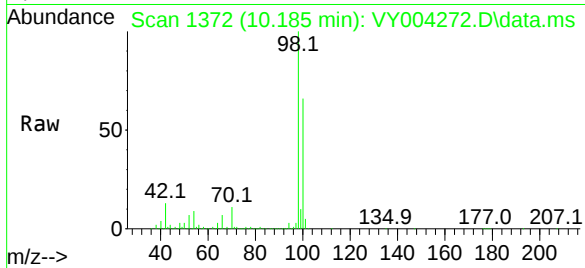




#51
4-Methyl-2-Pentanone
Concen: 1.28 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

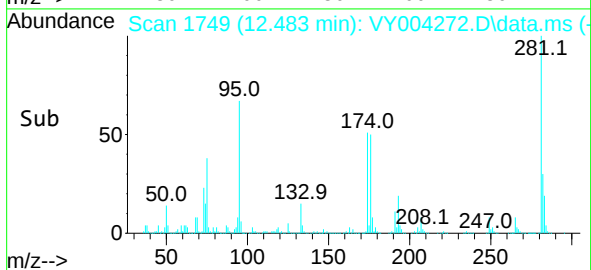
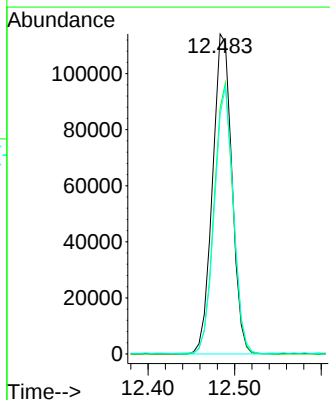
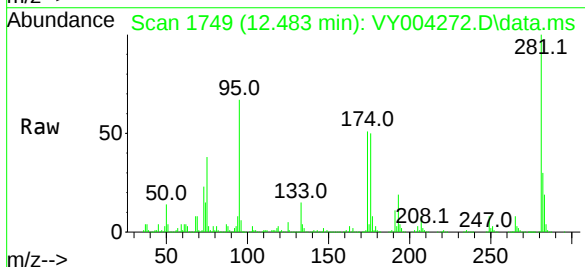
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

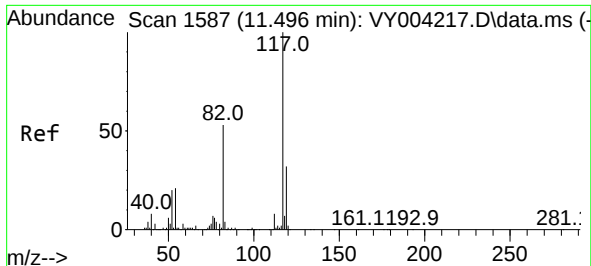
Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
58 160.8 30.6 45.8#



#62
4-Bromofluorobenzene
Concen: 58.99 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 95 Resp: 177024
Ion Ratio Lower Upper
95 100
174 82.7 0.0 171.4
176 81.9 0.0 165.6

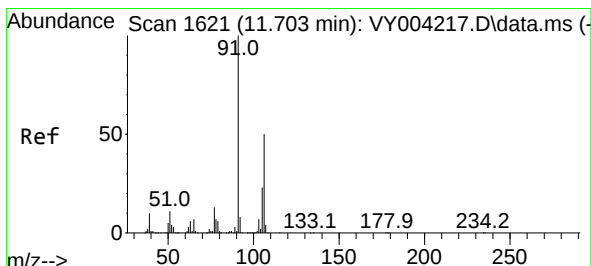
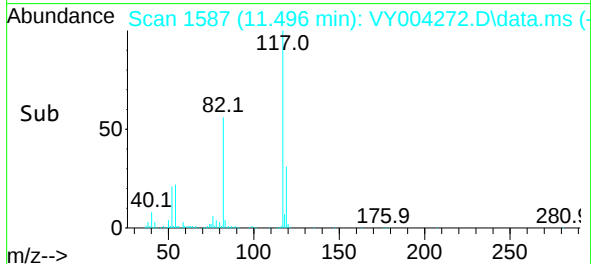
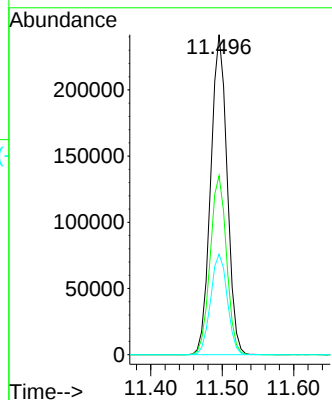
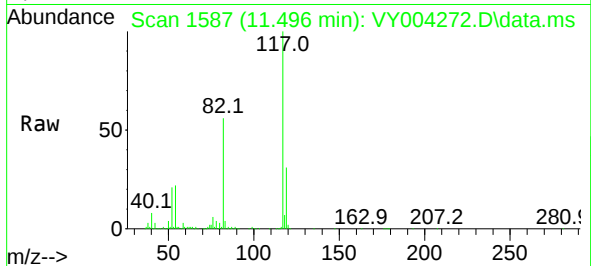




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

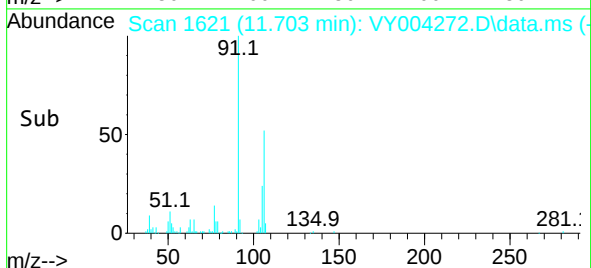
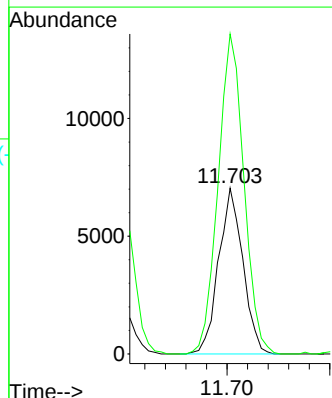
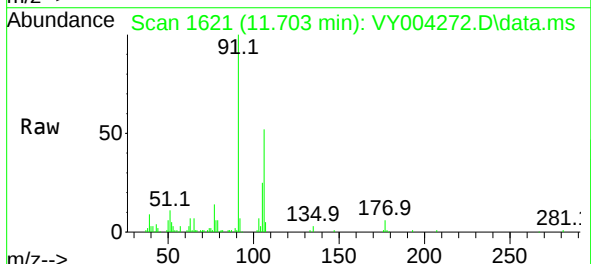
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

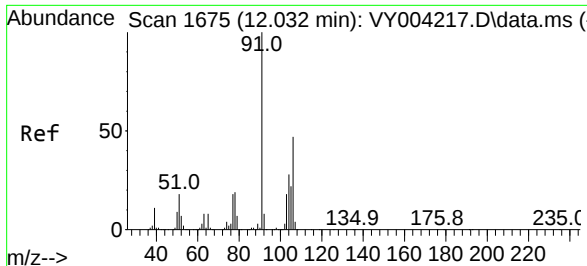
Tgt Ion:117	Resp:	384971
Ion Ratio	Lower	Upper
117	100	
82	55.9	42.7 64.1
119	31.4	25.7 38.5



#68
m/p-Xylenes
Concen: 2.16 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion:106	Resp:	11546
Ion Ratio	Lower	Upper
106	100	
91	204.8	159.8 239.6

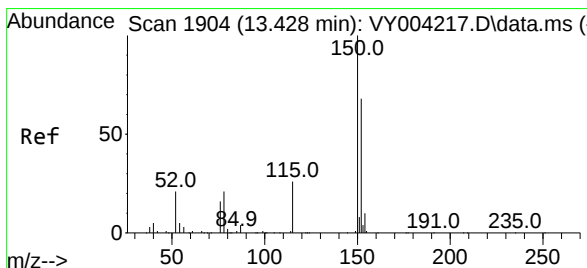
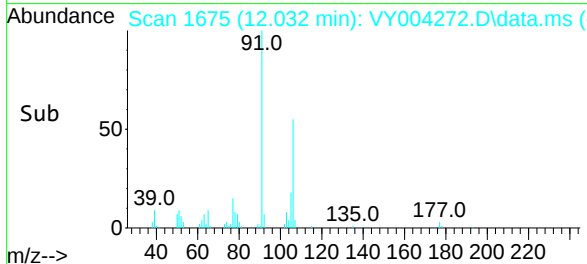
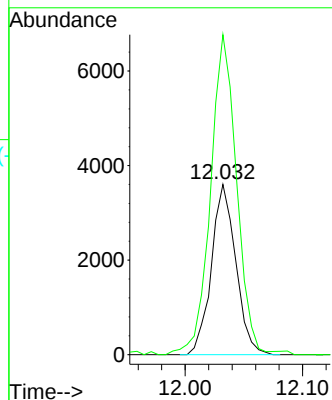
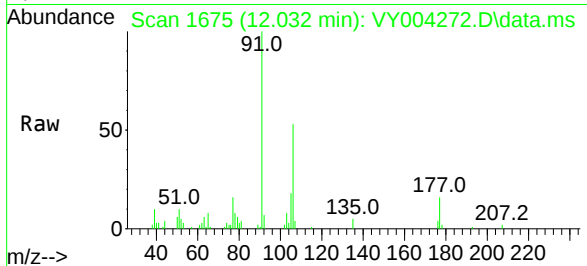




#69
o-Xylene
Concen: 1.04 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

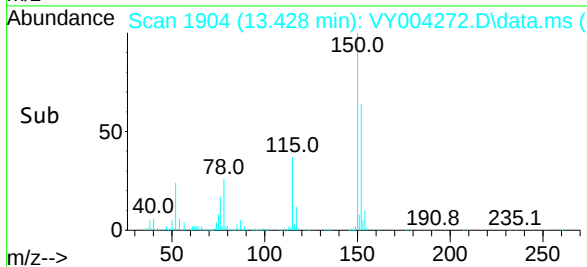
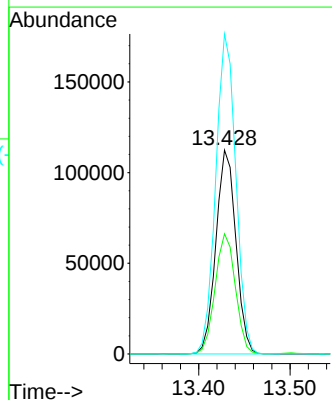
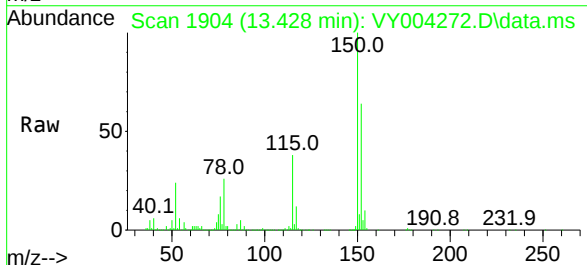
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

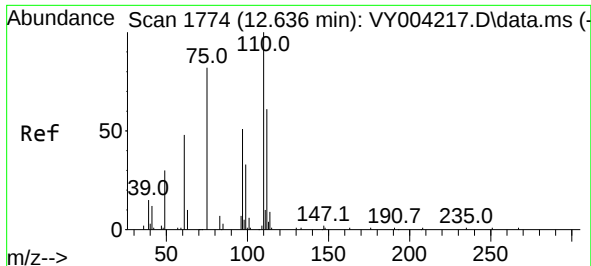
Tgt Ion:106 Resp: 5197
Ion Ratio Lower Upper
106 100
91 201.6 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion:152 Resp: 171097
Ion Ratio Lower Upper
152 100
115 59.6 29.0 87.1
150 157.7 0.0 347.4

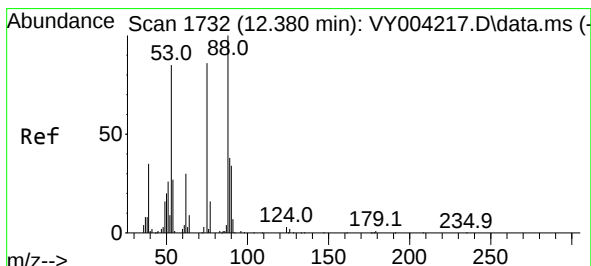
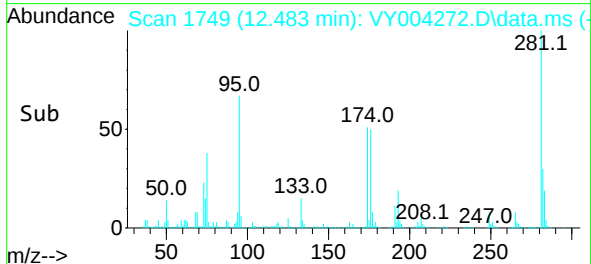
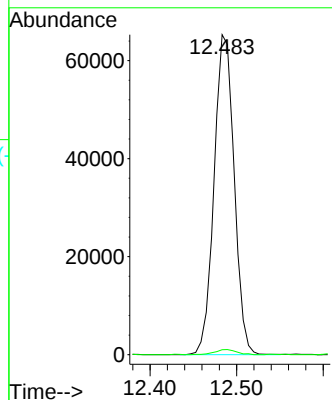
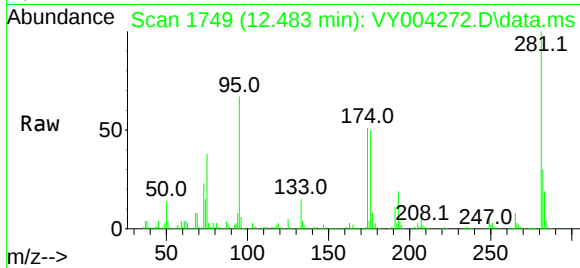




#76
1,2,3-Trichloropropane
Concen: 67.71 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

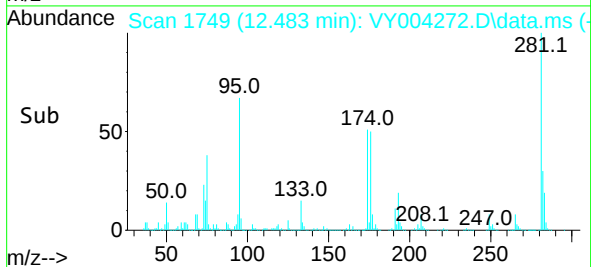
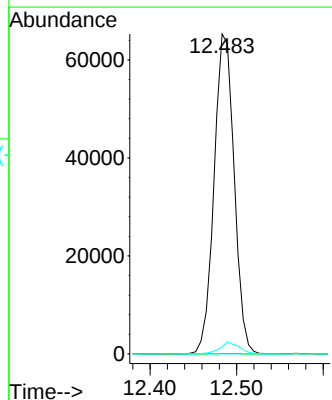
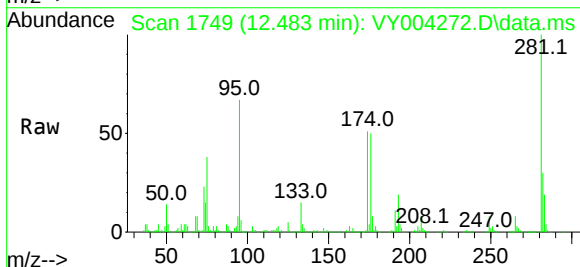
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

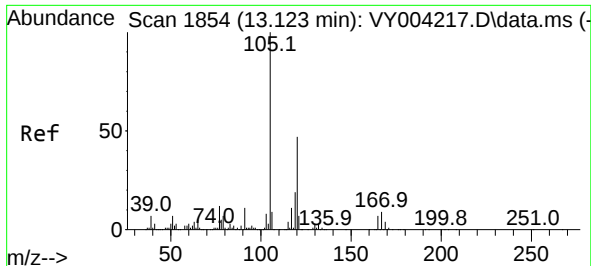
Tgt Ion: 75 Resp: 105204
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.80 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion: 75 Resp: 105204
Ion Ratio Lower Upper
75 100
53 0.2 79.3 118.9#
89 3.6 39.4 59.2#

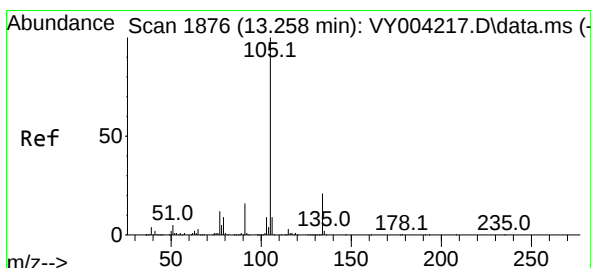
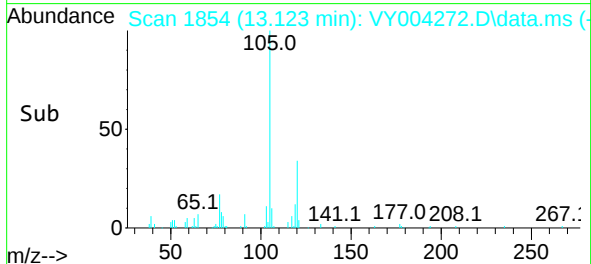
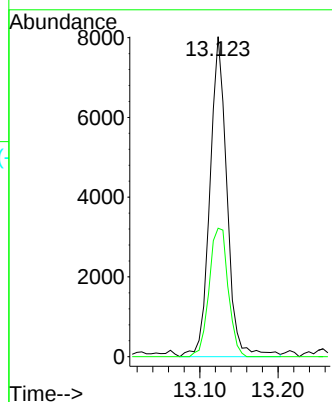
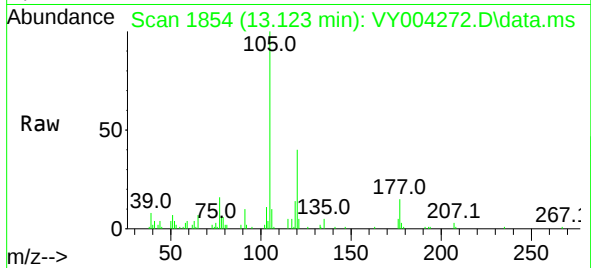




#84
1,2,4-Trimethylbenzene
Concen: 1.19 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

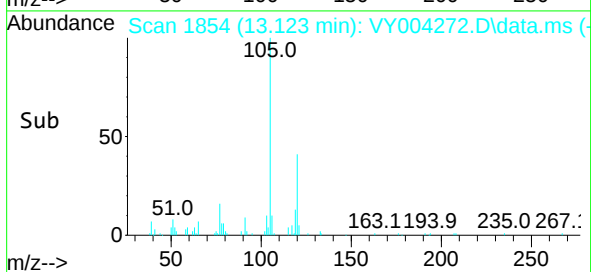
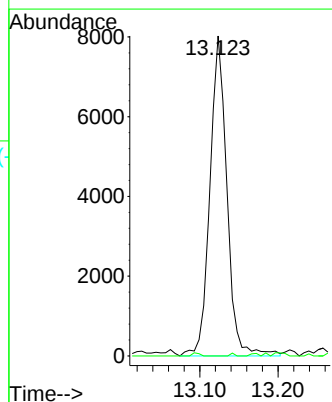
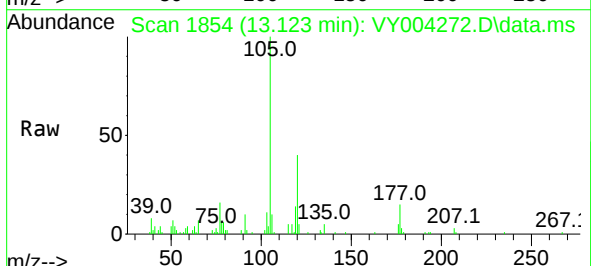
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

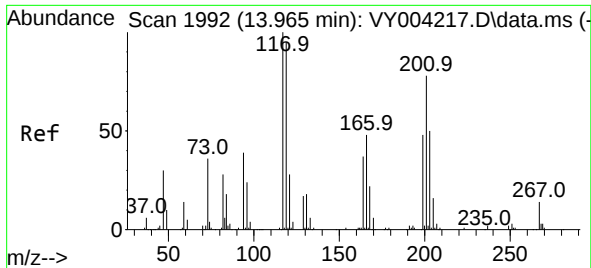
Tgt Ion:105 Resp: 12135
Ion Ratio Lower Upper
105 100
120 44.7 22.9 68.7



#85
sec-Butylbenzene
Concen: 1.00 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion:105 Resp: 12135
Ion Ratio Lower Upper
105 100
134 0.2 10.4 31.4#

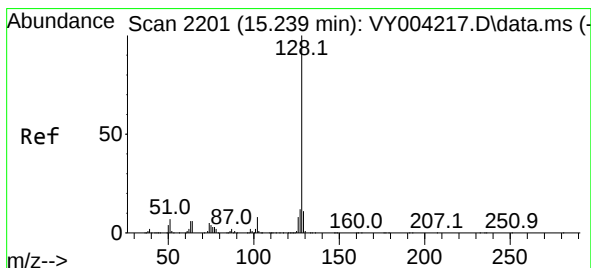
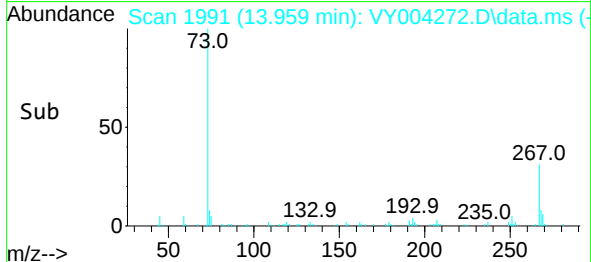
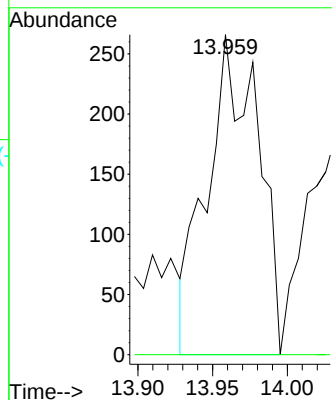
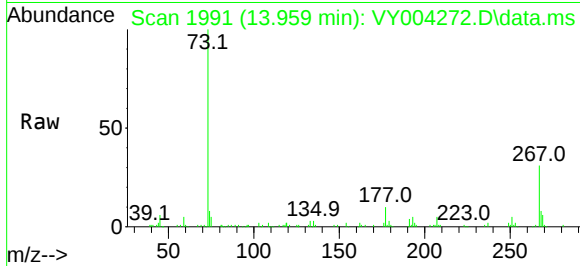




#90
Hexachloroethane
Concen: 7.82 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. -0.006 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-2(2-2.5)

Tgt Ion:117 Resp: 628
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 16.51 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004272.D
Acq: 02 Apr 2021 18:54

Tgt Ion:128 Resp: 121996
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.2 8.9 13.3

