

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070480.D
 Acq On : 27 Sep 2021 16:23
 Operator : VA/SY
 Sample : M3943-04
 Misc : 6.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-TV-1

Quant Time: Sep 28 04:14:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

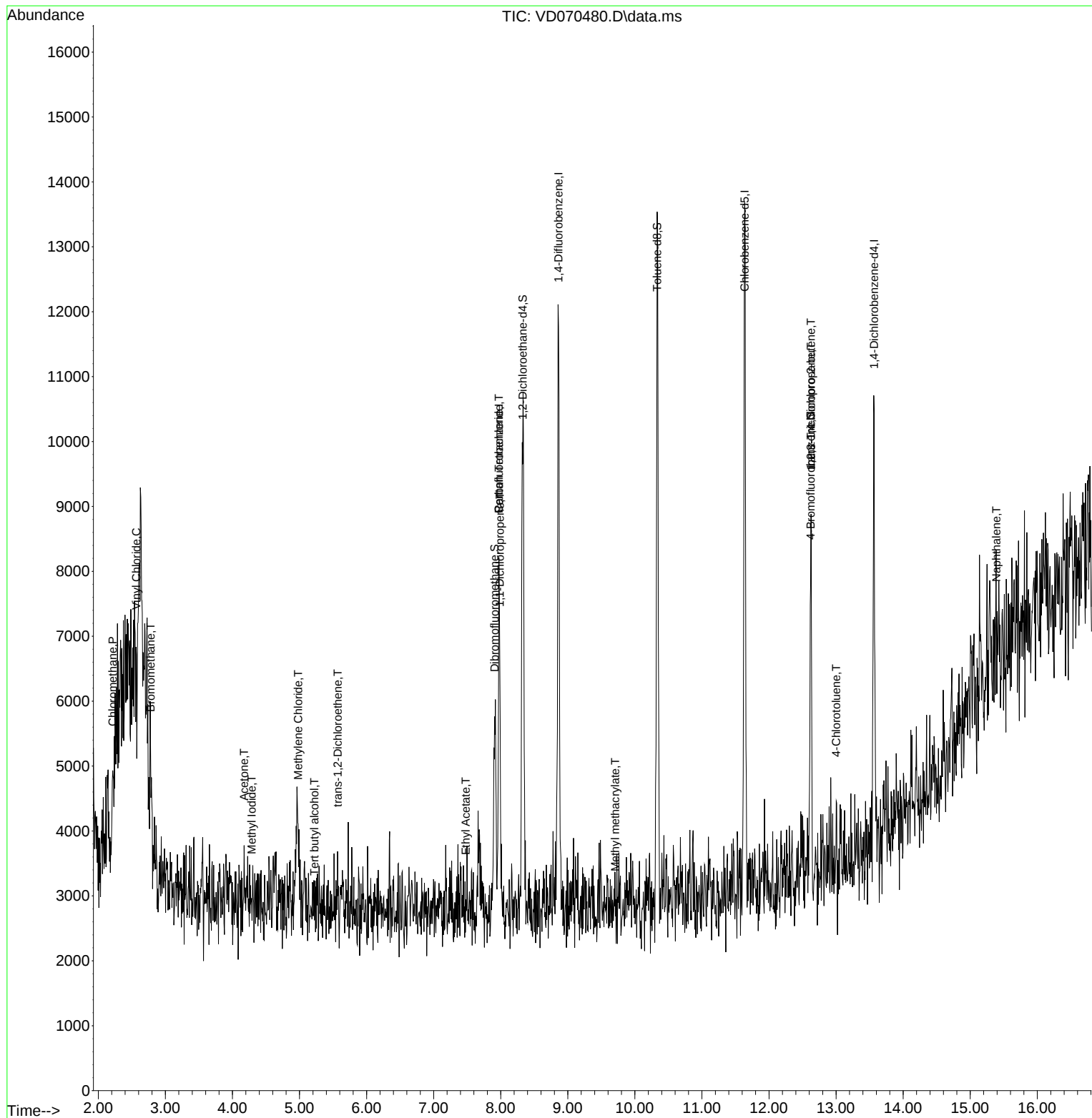
Internal Standards						
1) Pentafluorobenzene	7.973	168	4152	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	9024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	7371	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	2114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	6574	123.310	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	246.620%	#
35) Dibromofluoromethane	7.909	113	2639	41.084	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	82.160%	
50) Toluene-d8	10.332	98	8069	34.599	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	69.200%	
62) 4-Bromofluorobenzene	12.620	95	2445	29.998	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	60.000%	
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	297	1.351	ug/l	# 42
4) Vinyl Chloride	2.568	62	78	1.194	ug/l	# 44
5) Bromomethane	2.779	94	1262	29.701	ug/l	94
10) Methyl Iodide	4.285	142	120	3.316	ug/l	# 39
11) Tert butyl alcohol	5.220	59	56	9.290	ug/l	# 100
16) Acetone	4.173	43	62	6.514	ug/l	# 1
20) Methylene Chloride	4.979	84	1718	25.391	ug/l	# 44
21) trans-1,2-Dichloroethene	5.567	96	68	1.182	ug/l	# 1
36) 1,1-Dichloropropene	7.985	75	194	2.011	ug/l	# 41
37) Ethyl Acetate	7.479	43	60	1.664	ug/l	# 65
38) Carbon Tetrachloride	7.973	117	540	5.661	ug/l	# 12
48) Methyl methacrylate	9.708	41	79	2.566	ug/l	# 10
76) 1,2,3-Trichloropropane	12.626	75	1396	65.284	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	1396	163.576	ug/l	# 17
82) 4-Chlorotoluene	13.002	91	179	1.513	ug/l	# 42
95) Naphthalene	15.390	128	167	2.708	ug/l	# 69

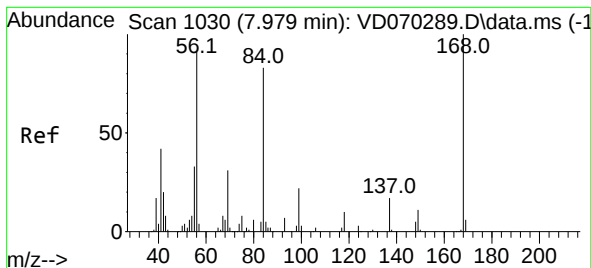
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070480.D

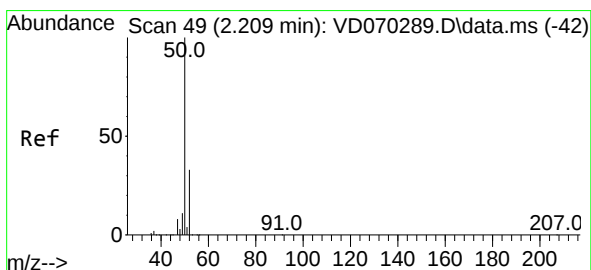
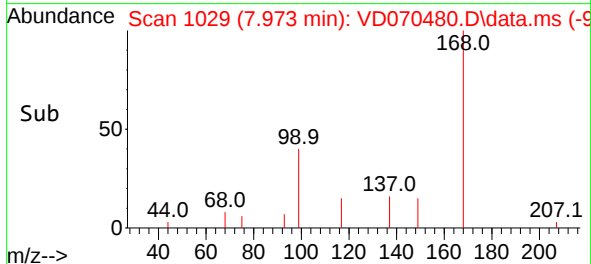
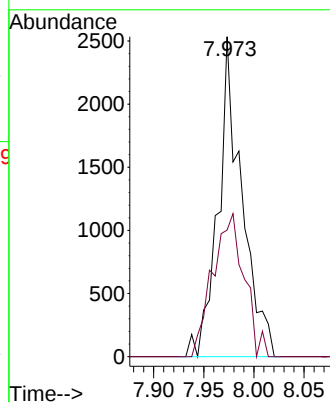
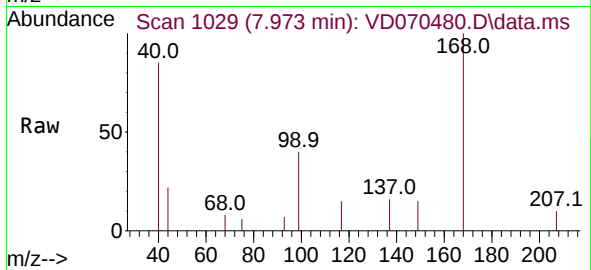
Acq: 27 Sep 2021 16:23

Tgt Ion:168 Resp: 4152

Ion Ratio Lower Upper

168 100

99 39.5 50.8 76.2#



#3

Chloromethane

Concen: 1.351 ug/l

RT: 2.215 min Scan# 50

Delta R.T. 0.006 min

Lab File: VD070480.D

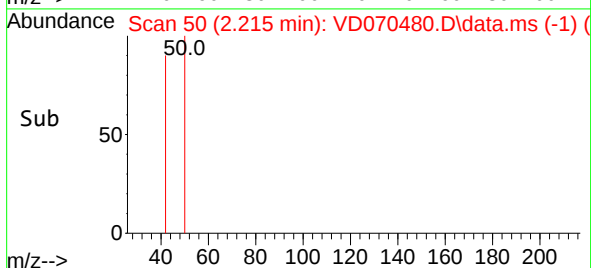
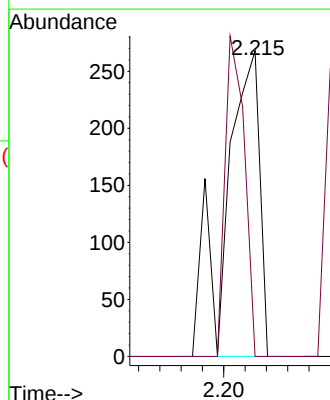
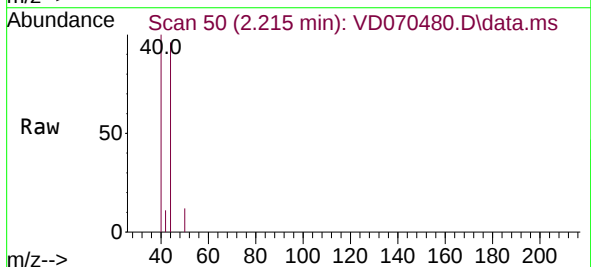
Acq: 27 Sep 2021 16:23

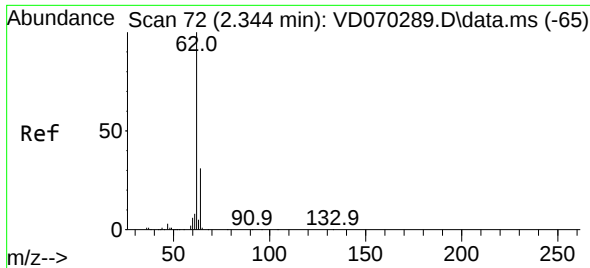
Tgt Ion: 50 Resp: 297

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.2#

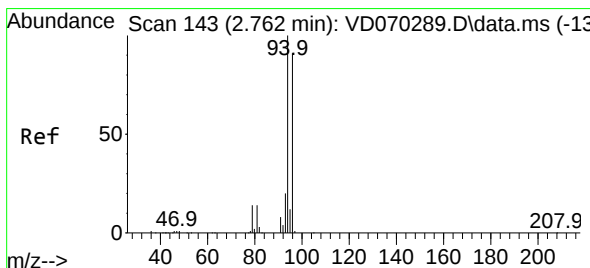
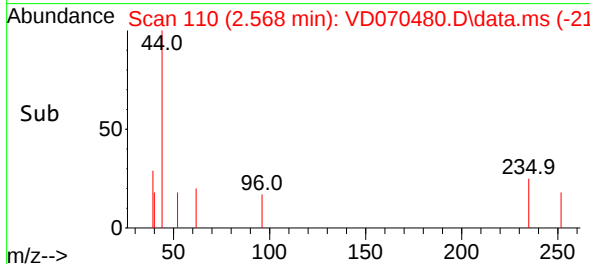
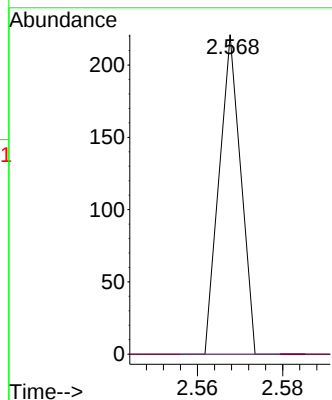
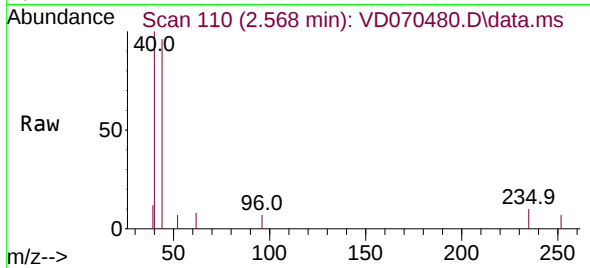




#4
 Vinyl Chloride
 Concen: 1.194 ug/l
 RT: 2.568 min Scan# 110
 Delta R.T. 0.224 min
 Lab File: VD070480.D
 Acq: 27 Sep 2021 16:23

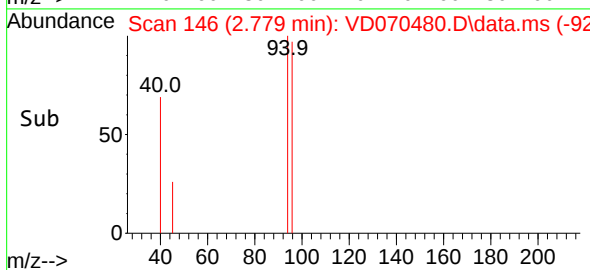
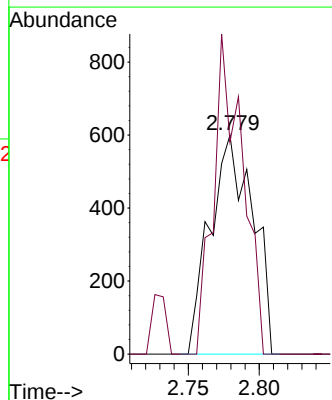
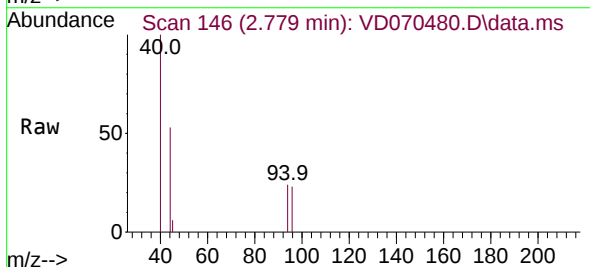
Instrument :
 MSVOA_D
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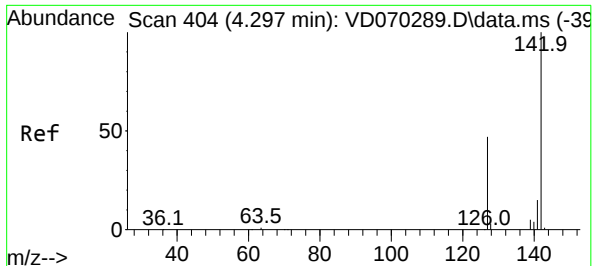
Tgt Ion: 62 Resp: 78
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.6 36.8#



#5
 Bromomethane
 Concen: 29.701 ug/l
 RT: 2.779 min Scan# 146
 Delta R.T. 0.017 min
 Lab File: VD070480.D
 Acq: 27 Sep 2021 16:23

Tgt Ion: 94 Resp: 1262
 Ion Ratio Lower Upper
 94 100
 96 96.8 73.0 109.6

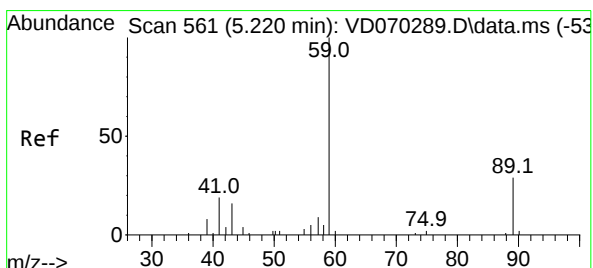
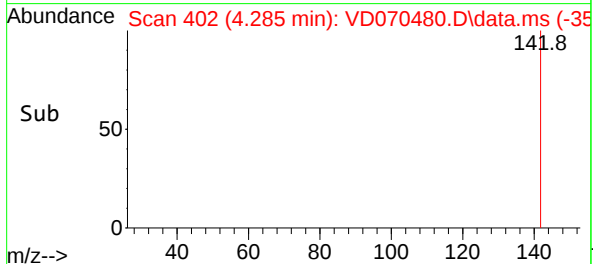
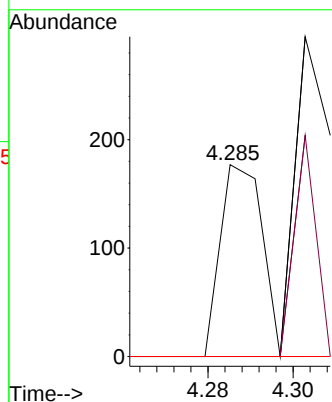
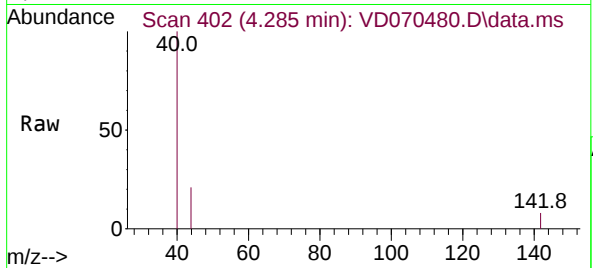




#10
Methyl Iodide
Concen: 3.316 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

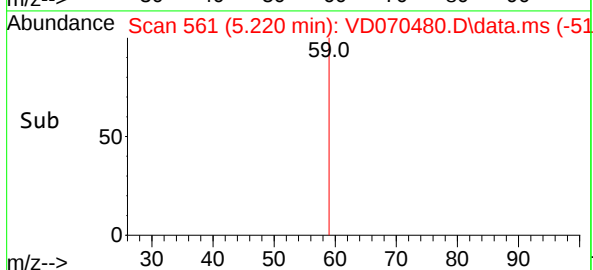
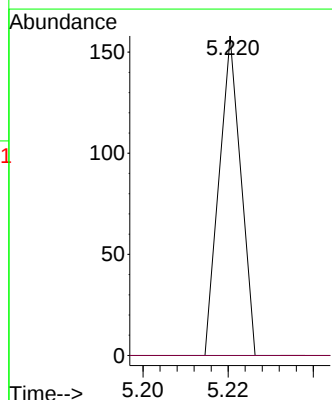
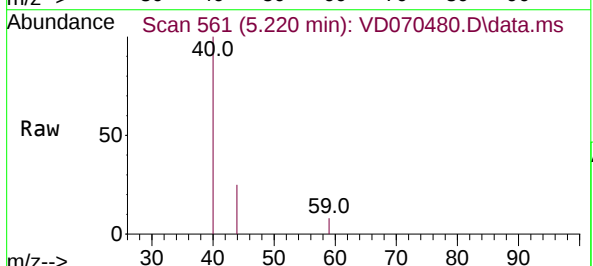
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

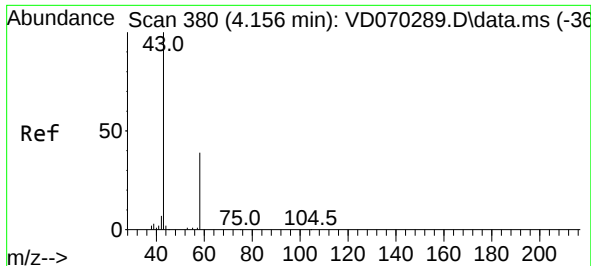
Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 9.290 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

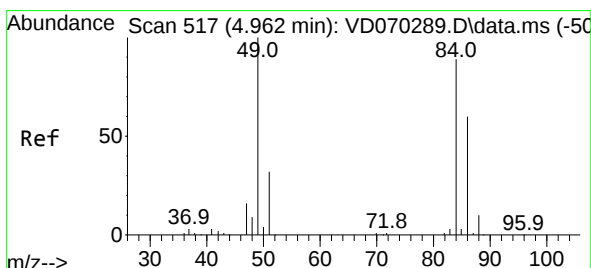
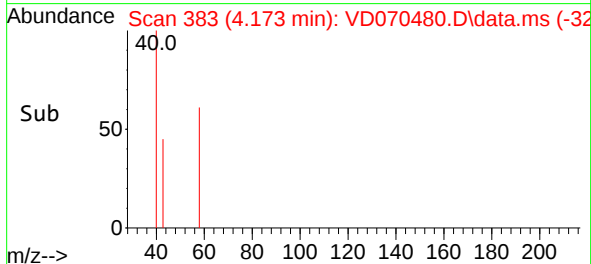
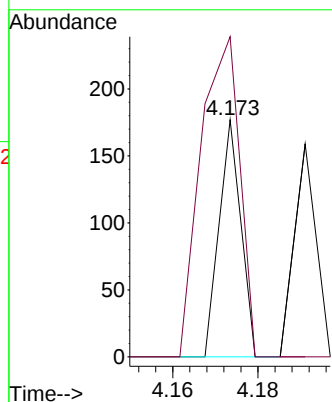
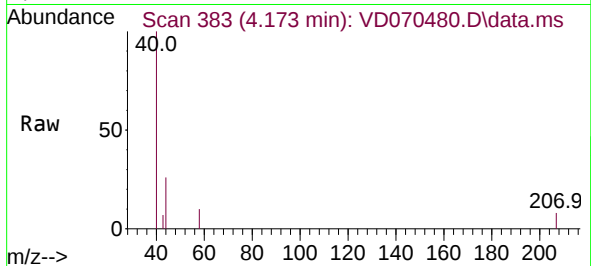




#16
Acetone
Concen: 6.514 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

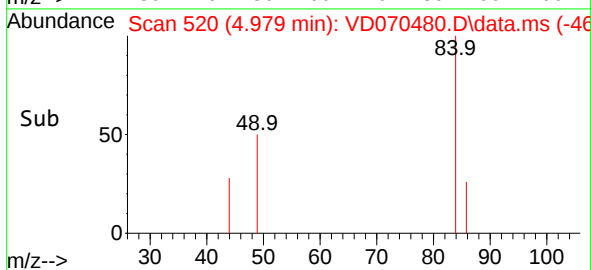
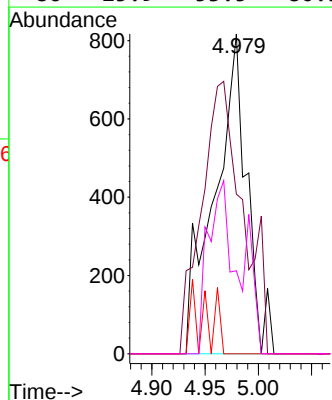
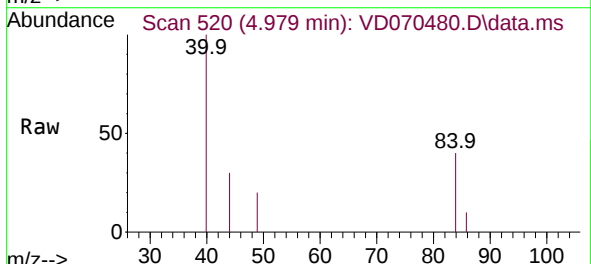
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

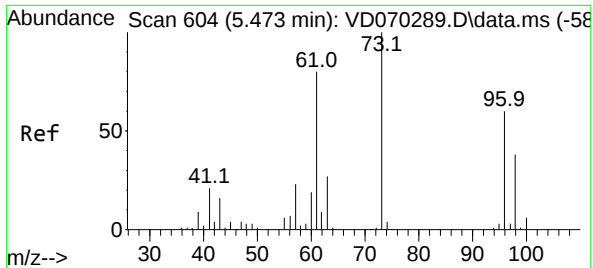
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 135.0 30.9 46.3#



#20
Methylene Chloride
Concen: 25.391 ug/l
RT: 4.979 min Scan# 520
Delta R.T. 0.017 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 84 Resp: 1718
Ion Ratio Lower Upper
84 100
49 49.9 89.6 134.4#
51 0.0 28.6 43.0#
86 25.9 53.5 80.3#

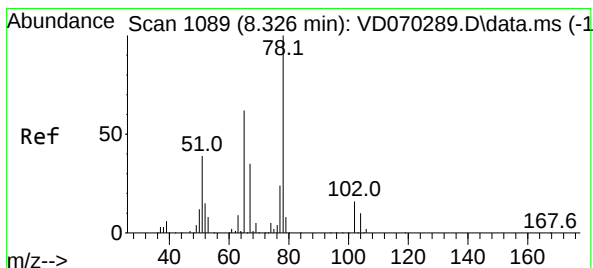
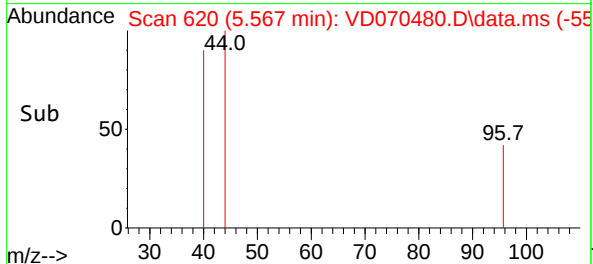
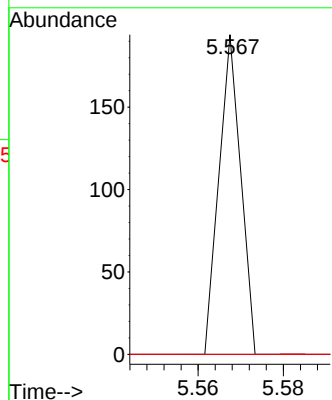
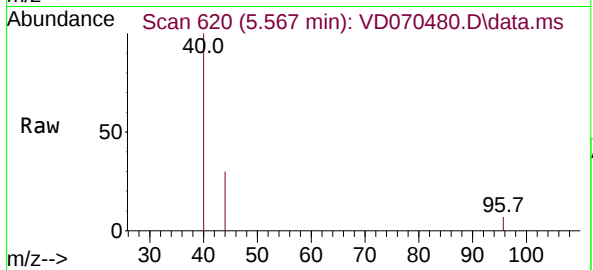




#21
trans-1,2-Dichloroethene
Concen: 1.182 ug/l
RT: 5.567 min Scan# 620
Delta R.T. 0.094 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

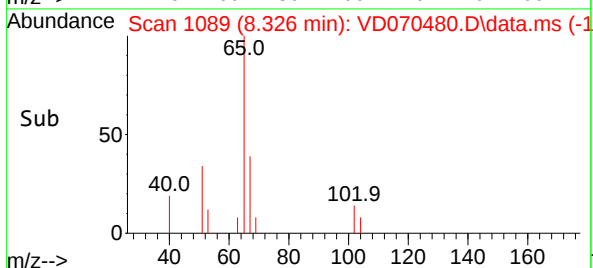
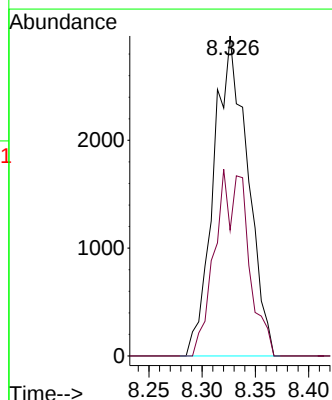
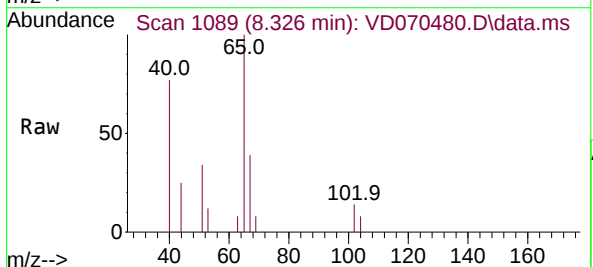
Instrument :
MSVOA_D
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WC-TV-1

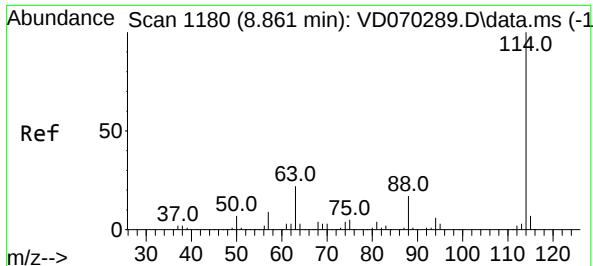
Tgt Ion: 96 Resp: 68
Ion Ratio Lower Upper
96 100
61 0.0 106.0 159.0#
98 0.0 50.5 75.7#



#33
1,2-Dichloroethane-d4
Concen: 123.310 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 65 Resp: 6574
Ion Ratio Lower Upper
65 100
67 56.7 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070480.D

Acq: 27 Sep 2021 16:23

Tgt Ion:114 Resp: 9024

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.4

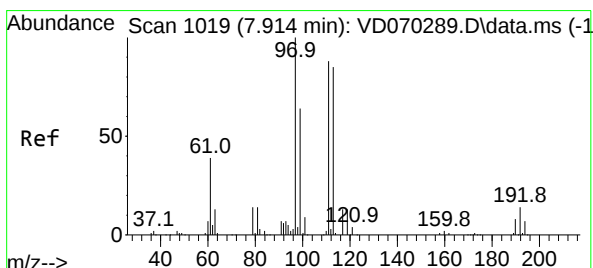
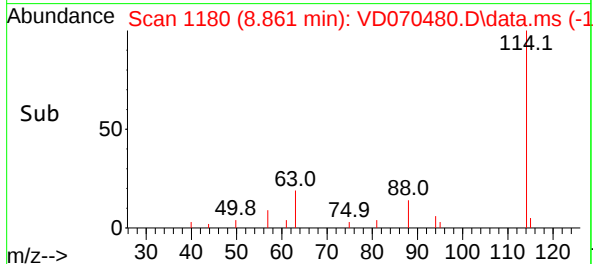
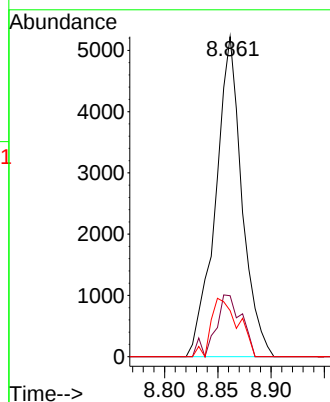
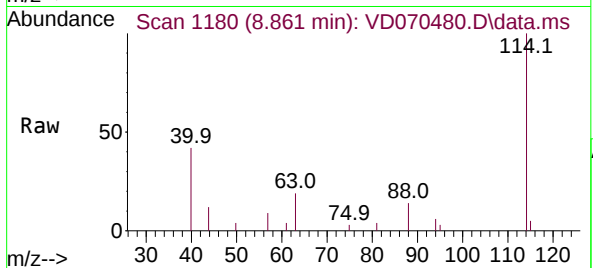
88 14.4 0.0 33.4

Instrument :

MSVOA_D

ClientSampled :

WC-TV-1



#35

Dibromofluoromethane

Concen: 41.084 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070480.D

Acq: 27 Sep 2021 16:23

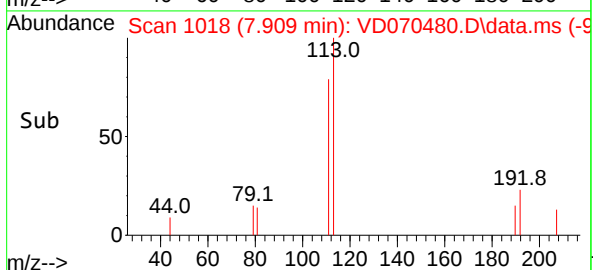
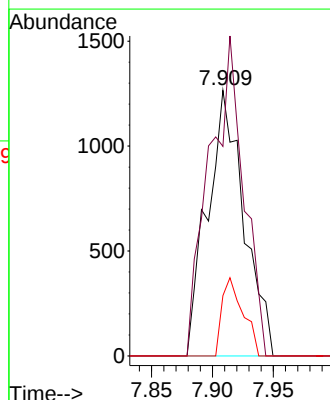
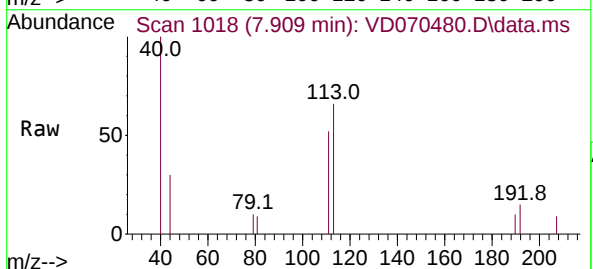
Tgt Ion:113 Resp: 2639

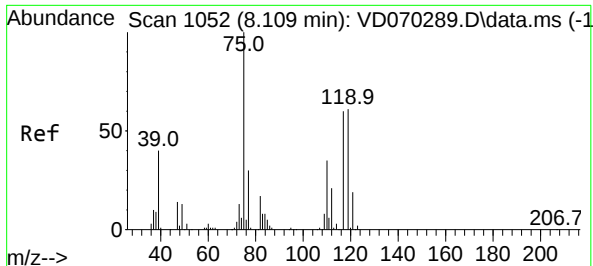
Ion Ratio Lower Upper

113 100

111 112.7 81.4 122.2

192 17.0 13.0 19.6

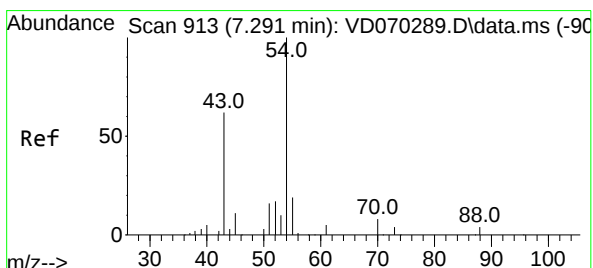
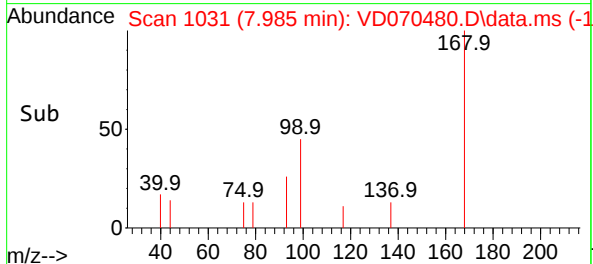
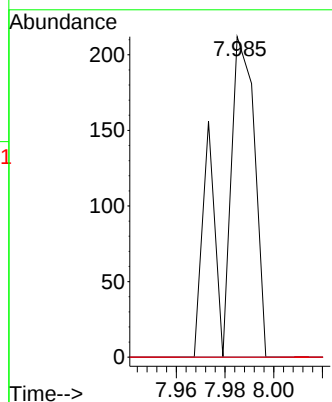
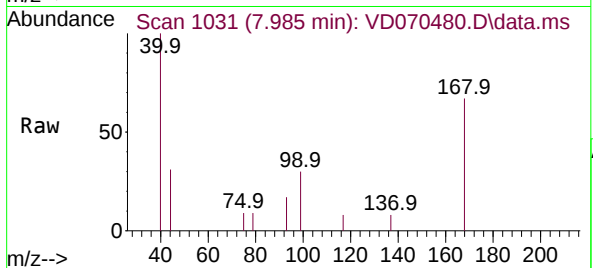




#36
1,1-Dichloropropene
Concen: 2.011 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

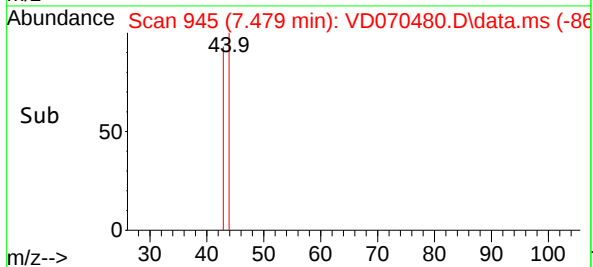
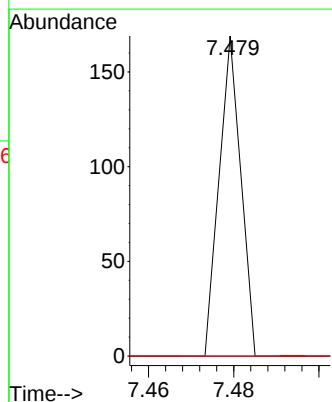
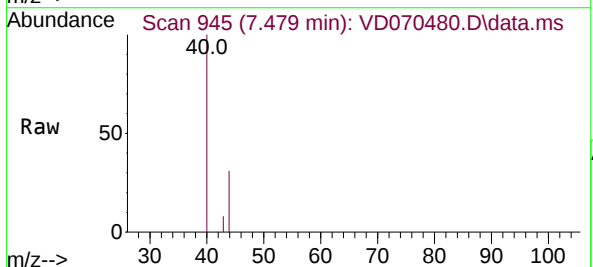
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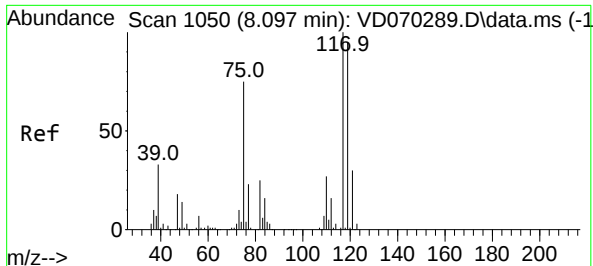
Tgt Ion: 75 Resp: 194
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.7#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.664 ug/l
RT: 7.479 min Scan# 945
Delta R.T. 0.188 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 9.8 14.6#

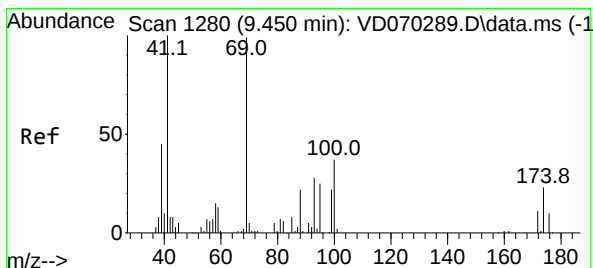
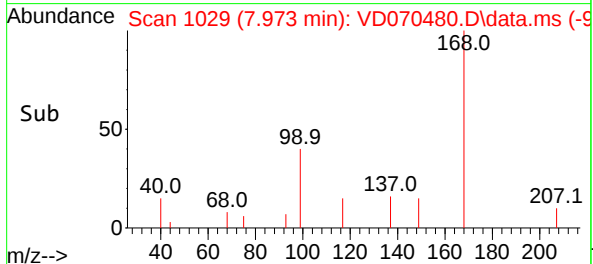
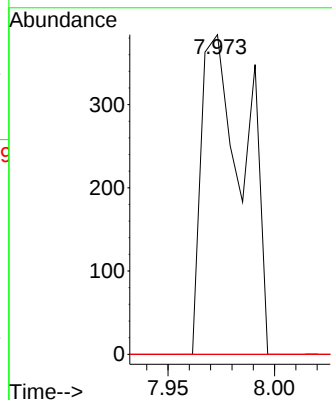
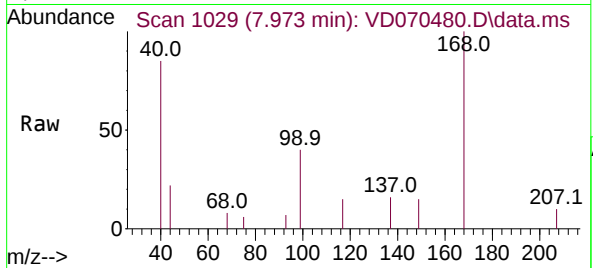




#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

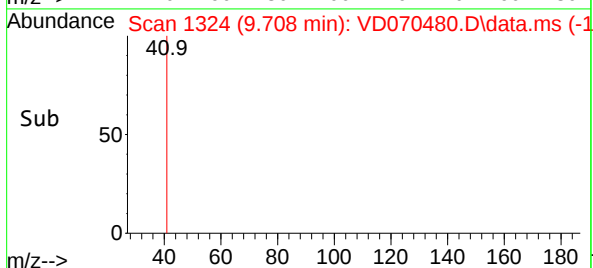
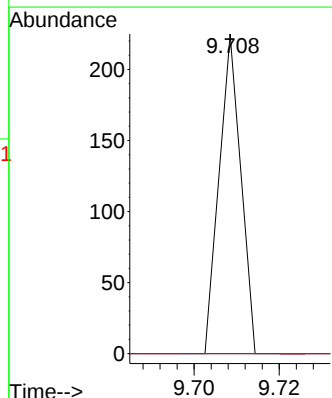
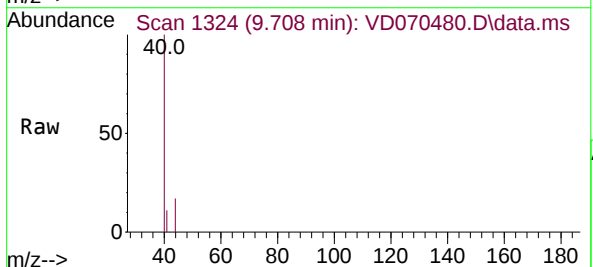
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

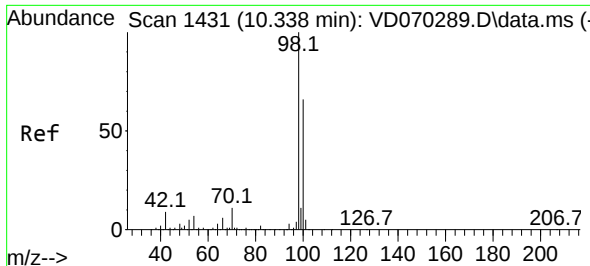
Tgt Ion:117 Resp: 540
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#



#48
Methyl methacrylate
Concen: 2.566 ug/l
RT: 9.708 min Scan# 1324
Delta R.T. 0.259 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.8#
39 0.0 34.4 51.6#

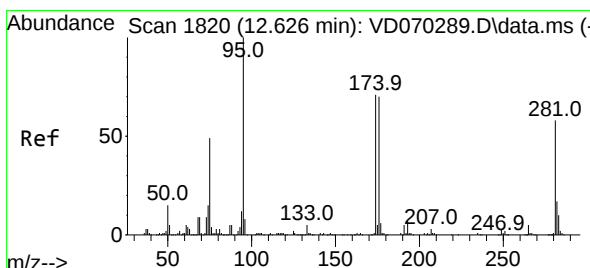
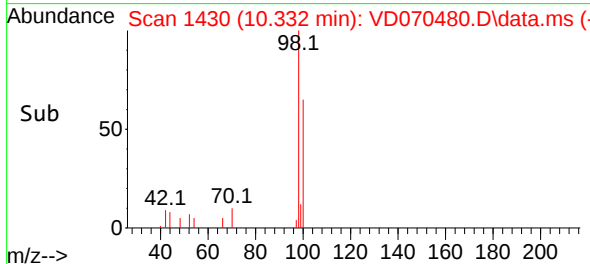
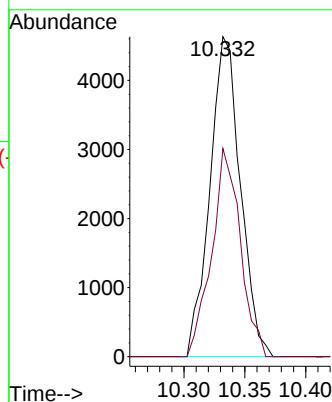
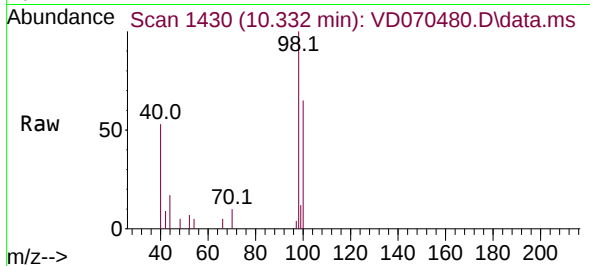




#50
Toluene-d8
Concen: 34.599 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

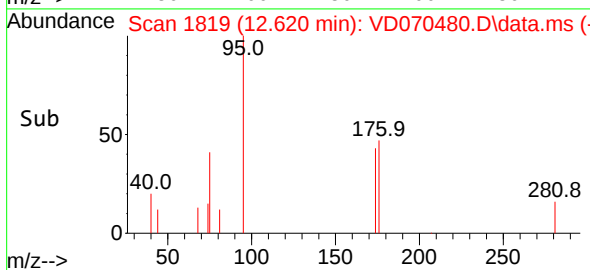
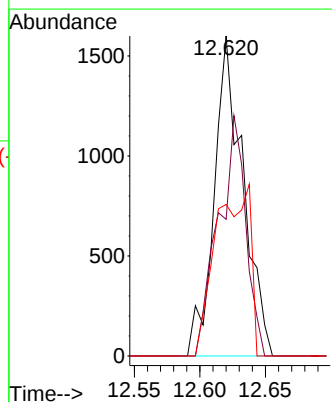
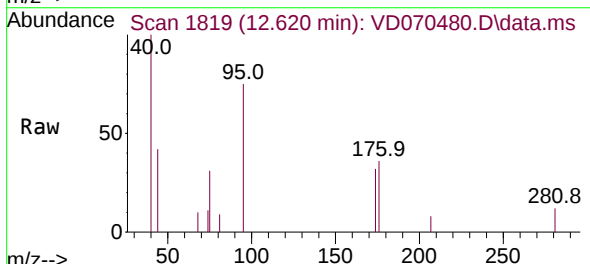
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

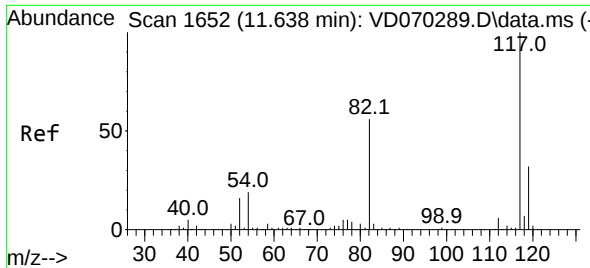
Tgt Ion: 98 Resp: 8069
Ion Ratio Lower Upper
98 100
100 61.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 29.998 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 95 Resp: 2445
Ion Ratio Lower Upper
95 100
174 71.1 0.0 140.6
176 64.0 0.0 137.4

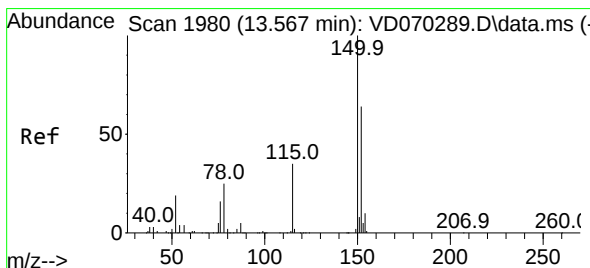
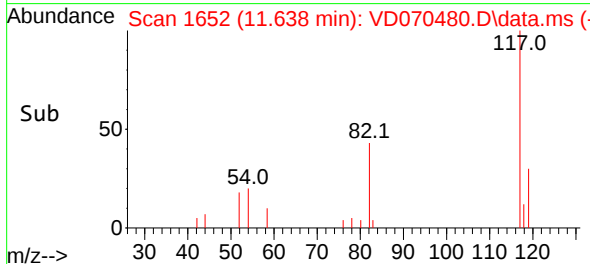
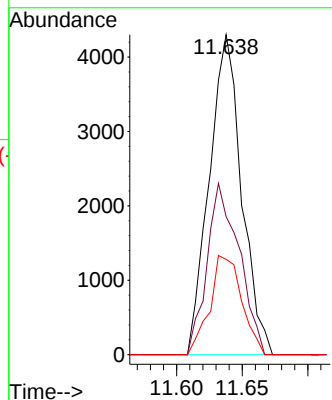
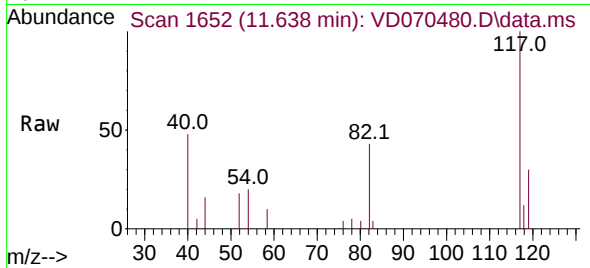




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

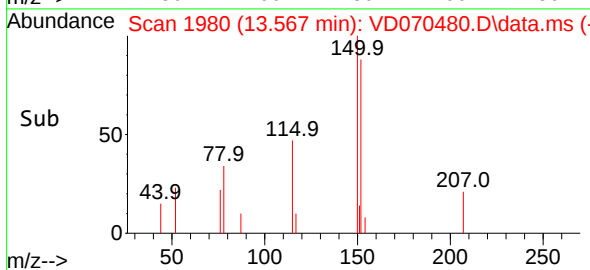
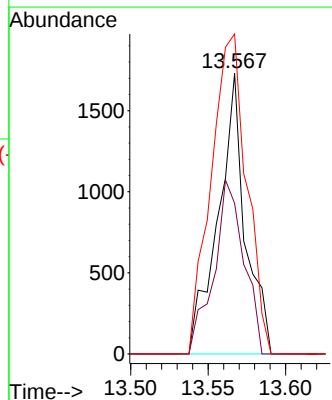
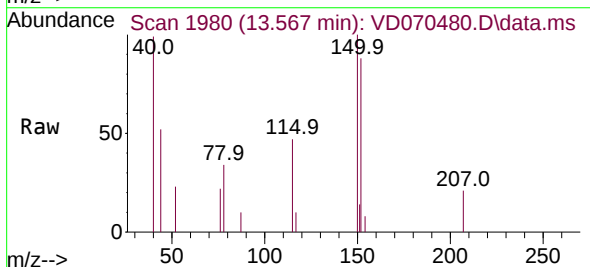
Instrument :
MSVOA_D
ClientSampled :
WC-TV-1

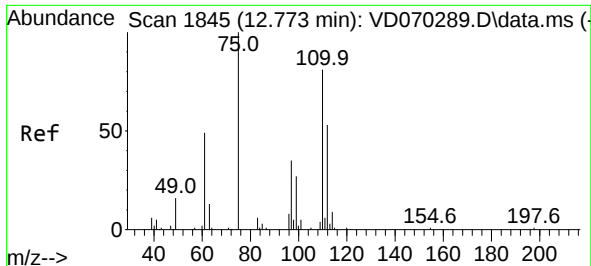
Tgt Ion:117 Resp: 7371
Ion Ratio Lower Upper
117 100
82 43.1 45.0 67.4#
119 29.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion:152 Resp: 2114
Ion Ratio Lower Upper
152 100
115 68.2 32.1 96.3
150 149.2 0.0 350.6

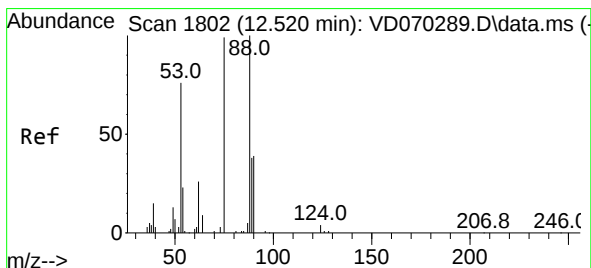
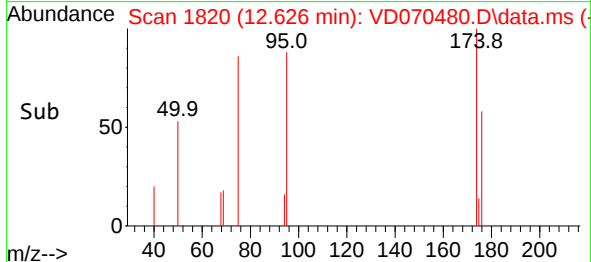
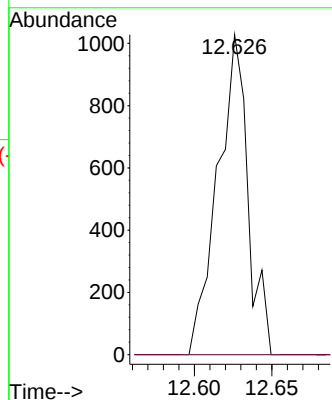
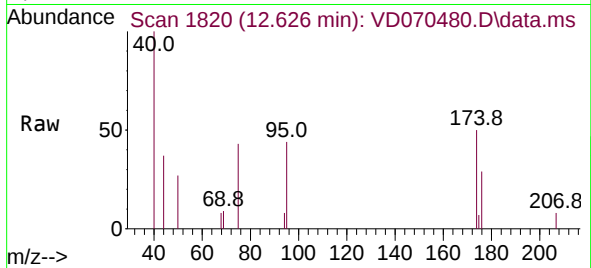




#76
1,2,3-Trichloropropane
Concen: 65.284 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

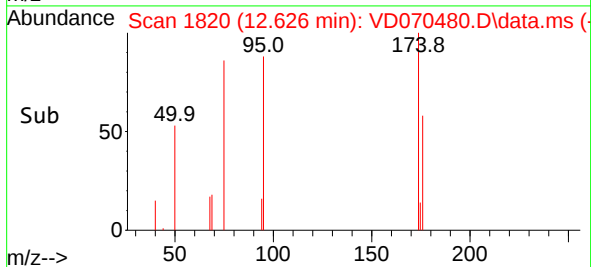
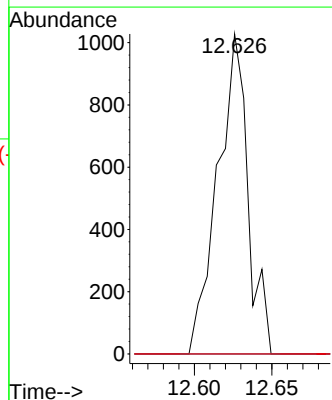
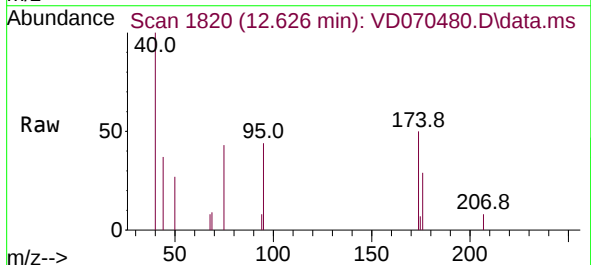
Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

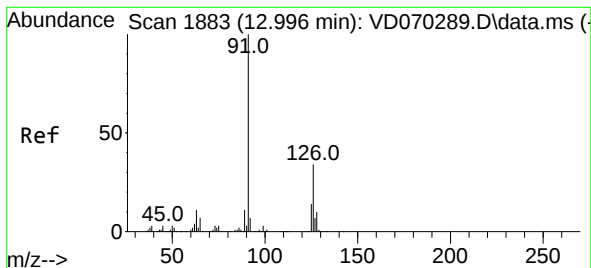
Tgt Ion: 75 Resp: 1396
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.576 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion: 75 Resp: 1396
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#

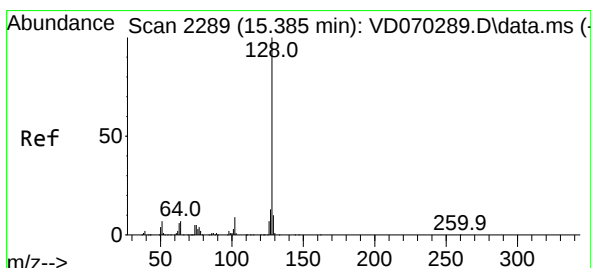
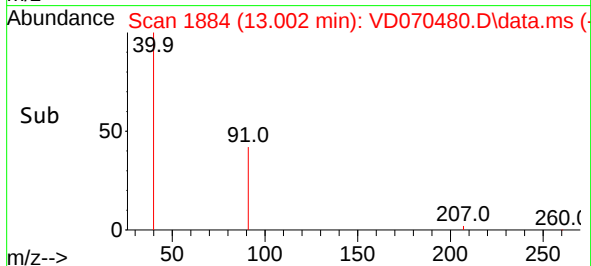
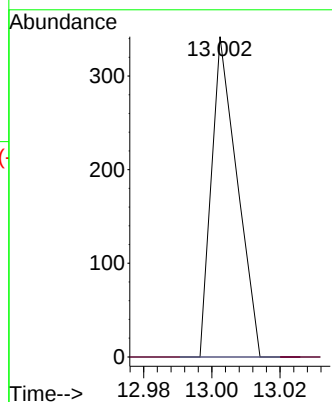
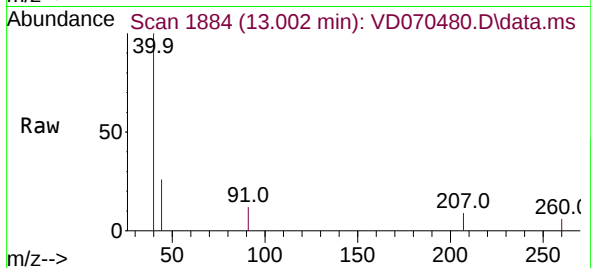




#82
4-Chlorotoluene
Concen: 1.513 ug/l
RT: 13.002 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Instrument :
MSVOA_D
ClientSampleId :
WC-TV-1

Tgt Ion: 91 Resp: 179
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.5#



#95
Naphthalene
Concen: 2.708 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070480.D
Acq: 27 Sep 2021 16:23

Tgt Ion:128 Resp: 167
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

