

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071238.D
 Acq On : 09 Dec 2021 19:49
 Operator : VA/SY
 Sample : M4967-10
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:48:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

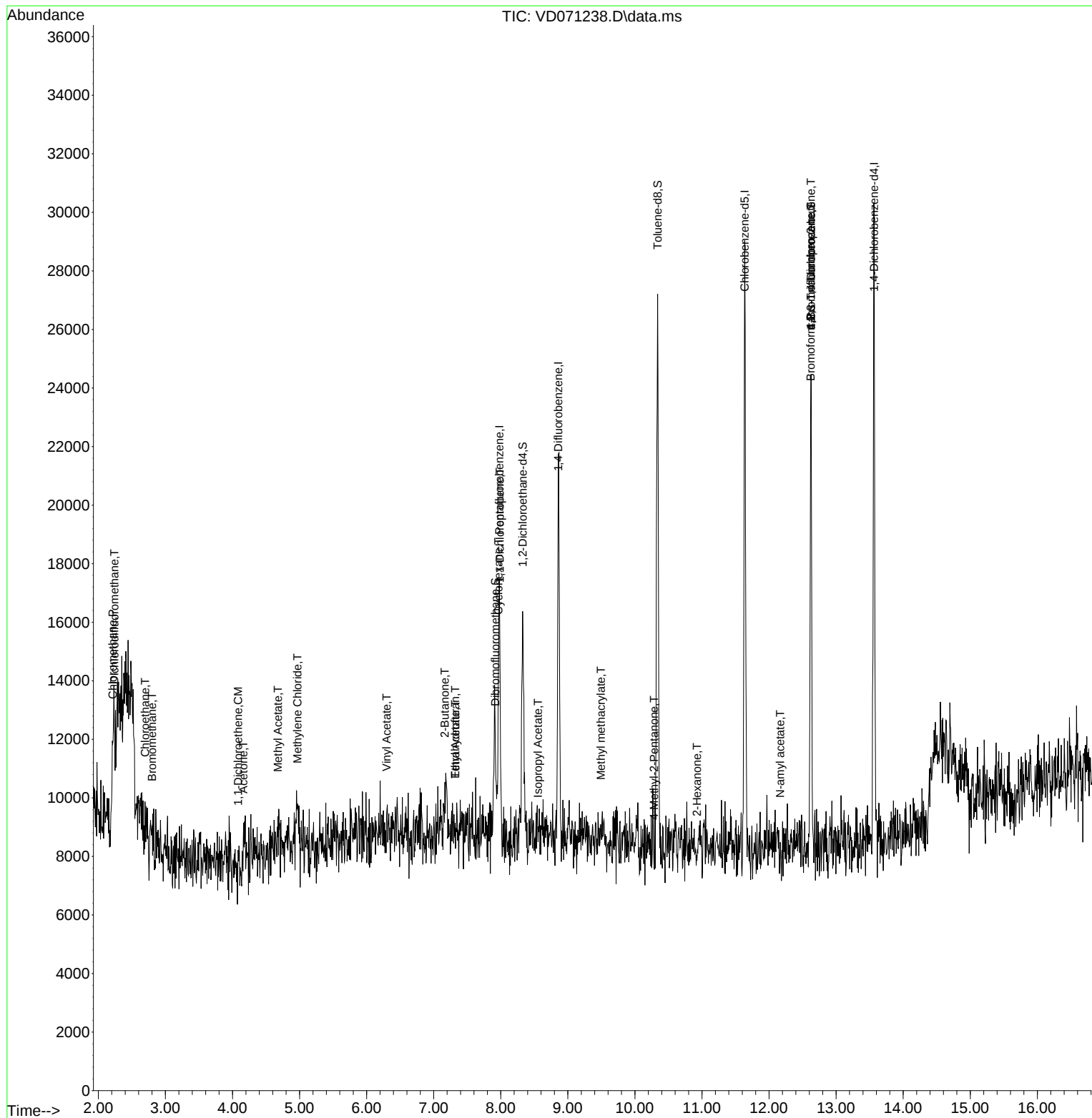
Internal Standards						
1) Pentafluorobenzene	7.979	168	5951	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	9019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4994	71.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.040%	
35) Dibromofluoromethane	7.920	113	2741	47.726	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.460%	
50) Toluene-d8	10.338	98	12882	58.941	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 117.880%	
62) 4-Bromofluorobenzene	12.626	95	5194	68.558	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 137.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.238	85	70	1.379	ug/l	# 44
3) Chloromethane	2.215	50	219	3.262	ug/l	# 58
5) Bromomethane	2.803	94	129	2.389	ug/l	# 3
6) Chloroethane	2.697	64	91	1.766	ug/l	# 39
11) Tert butyl alcohol	5.038	59	57	Below Cal	#	71
12) 1,1-Dichloroethene	4.085	96	56	1.014	ug/l	# 1
16) Acetone	4.161	43	71	34.154	ug/l	# 40
18) Methyl Acetate	4.679	43	59	1.145	ug/l	# 51
20) Methylene Chloride	4.967	84	609	4.873	ug/l	# 62
23) Vinyl Acetate	6.297	43	74	27.798	ug/l	# 72
25) 2-Butanone	7.167	43	83	31.795	ug/l	# 45
29) Tetrahydrofuran	7.320	42	64	5.772	ug/l	# 34
31) Cyclohexane	7.967	56	314	2.644	ug/l	# 19
36) 1,1-Dichloropropene	7.985	75	505	5.991	ug/l	# 41
37) Ethyl Acetate	7.320	43	144	3.955	ug/l	# 66
41) Methacrylonitrile	7.561	41	111	Below Cal	#	35
43) Isopropyl Acetate	8.555	43	56	5.849	ug/l	# 47
48) Methyl methacrylate	9.491	41	62	1.740	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.285	43	102	32.831	ug/l	# 34
59) 2-Hexanone	10.926	43	63	36.329	ug/l	# 22
71) Bromoform	12.620	173	54	1.435	ug/l	# 1
74) N-amyl acetate	12.167	43	53	6.111	ug/l	# 40
76) 1,2,3-Trichloropropane	12.626	75	2900	52.670	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	2900	114.740	ug/l	# 18

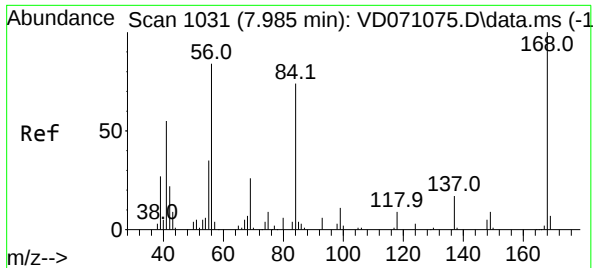
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

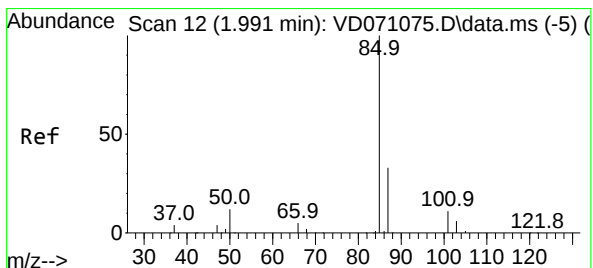
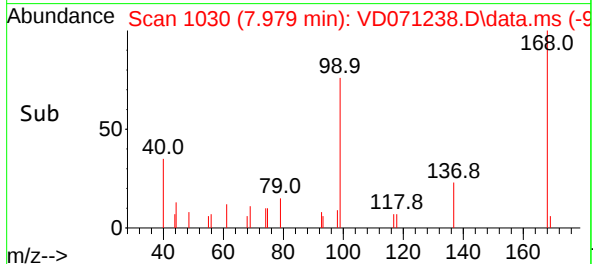
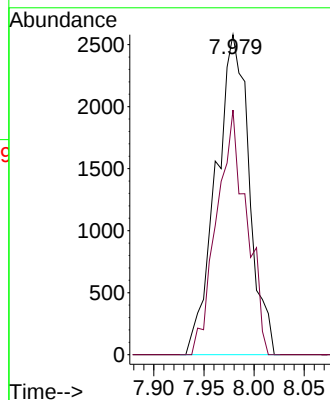
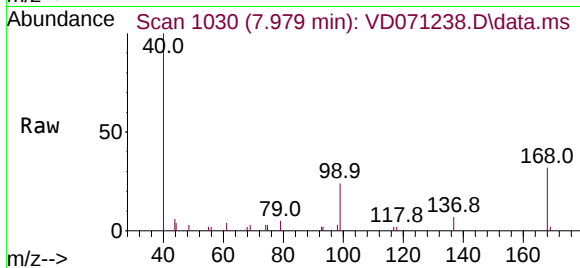




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

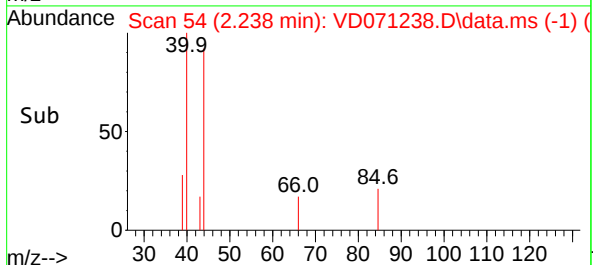
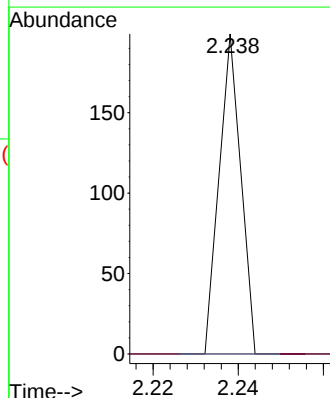
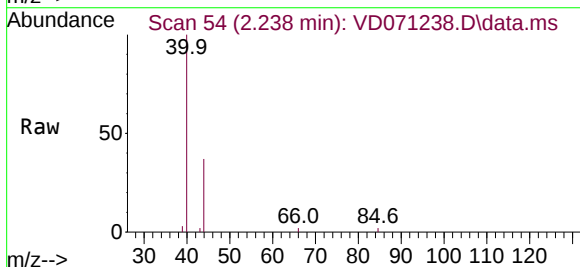
Instrument :
MSVOA_D
ClientSampleId :

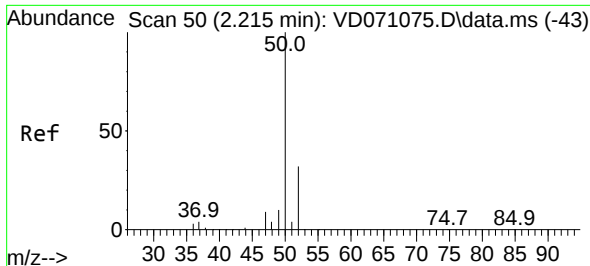
Tgt Ion:168 Resp: 5951
Ion Ratio Lower Upper
168 100
99 76.5 46.6 69.8#



#2
Dichlorodifluoromethane
Concen: 1.379 ug/l
RT: 2.238 min Scan# 54
Delta R.T. 0.247 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Tgt Ion: 85 Resp: 70
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.6#

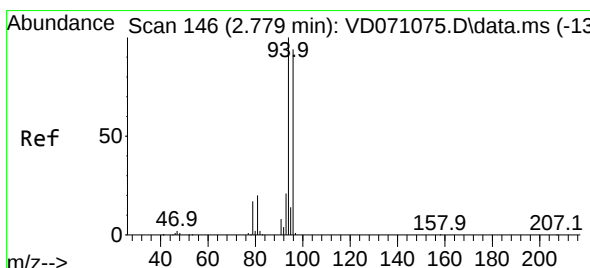
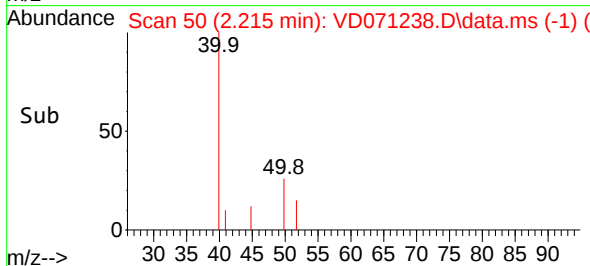
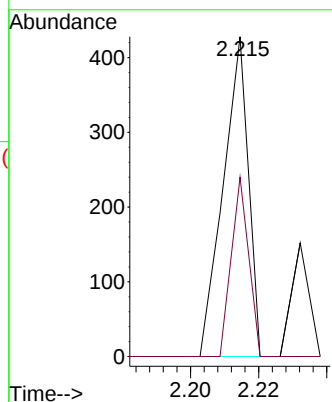
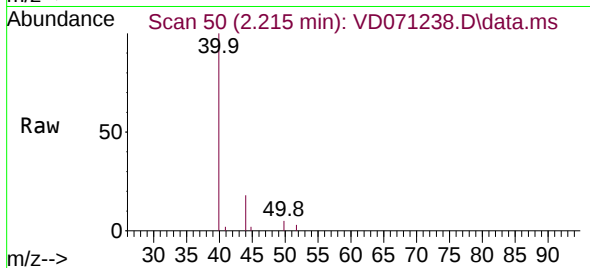




#3
Chloromethane
Concen: 3.262 ug/l
RT: 2.215 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

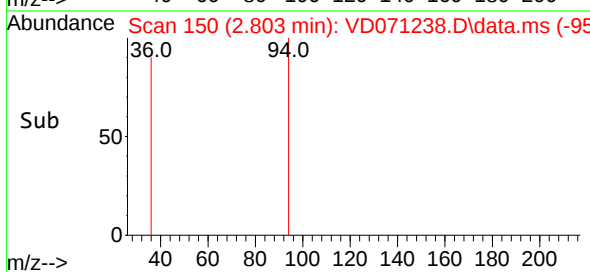
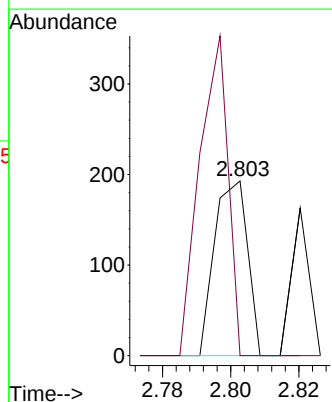
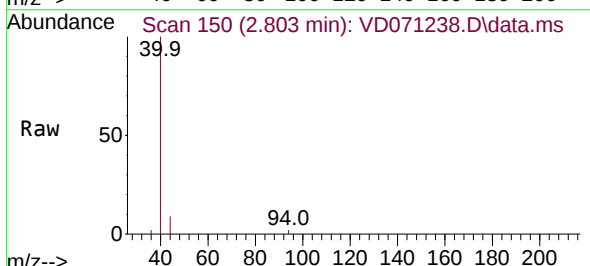
Instrument :
MSVOA_D
ClientSampleId :

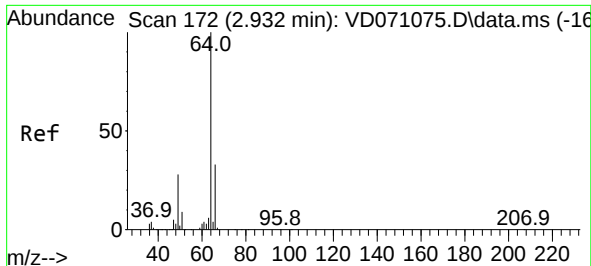
Tgt Ion: 50 Resp: 219
Ion Ratio Lower Upper
50 100
52 56.1 25.8 38.8#



#5
Bromomethane
Concen: 2.389 ug/l
RT: 2.803 min Scan# 150
Delta R.T. 0.024 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Tgt Ion: 94 Resp: 129
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

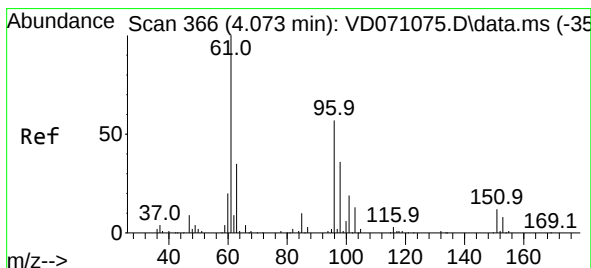
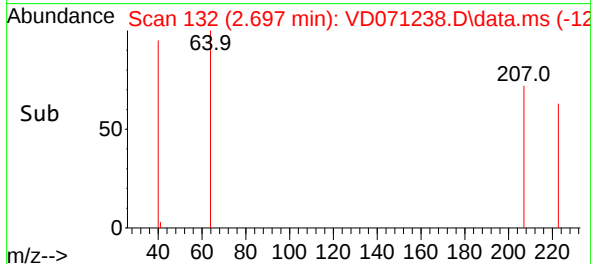
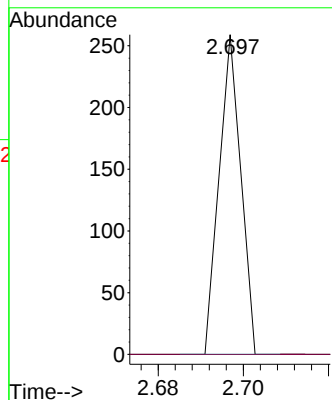
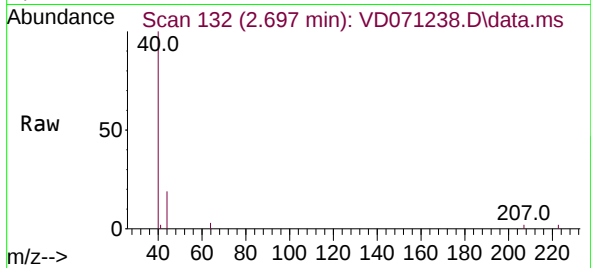




#6
Chloroethane
Concen: 1.766 ug/l
RT: 2.697 min Scan# 11
Delta R.T. -0.235 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

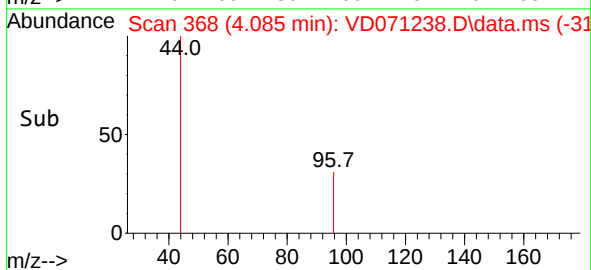
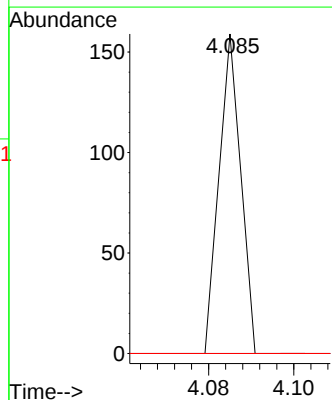
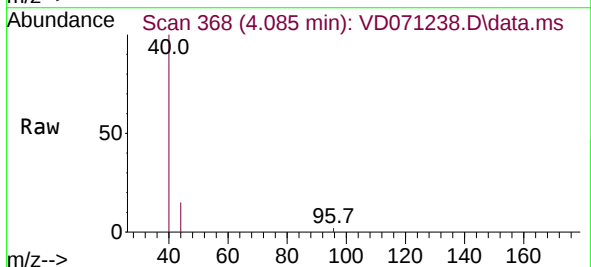
Instrument :
MSVOA_D
ClientSampleId :

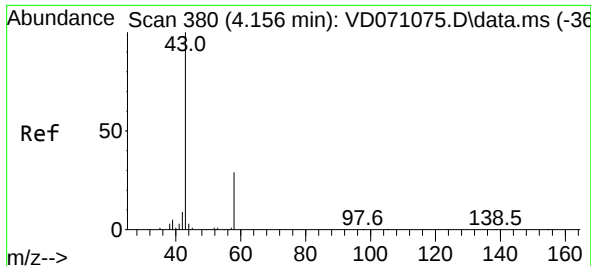
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#



#12
1,1-Dichloroethene
Concen: 1.014 ug/l
RT: 4.085 min Scan# 368
Delta R.T. 0.012 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Tgt Ion: 96 Resp: 56
Ion Ratio Lower Upper
96 100
61 0.0 120.3 180.5#
98 0.0 54.4 81.6#

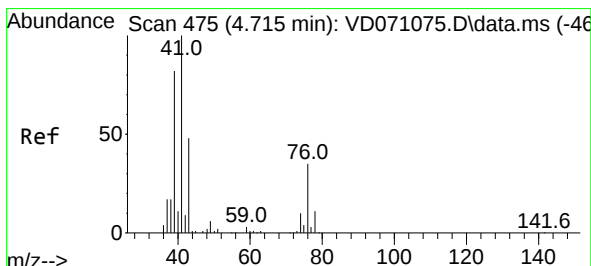
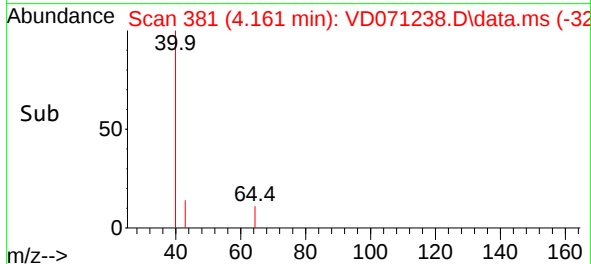
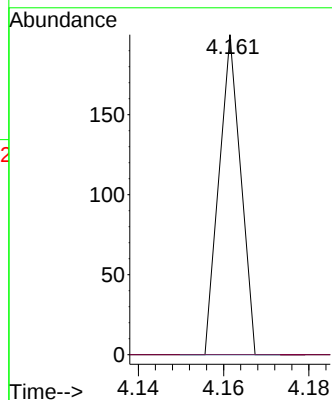
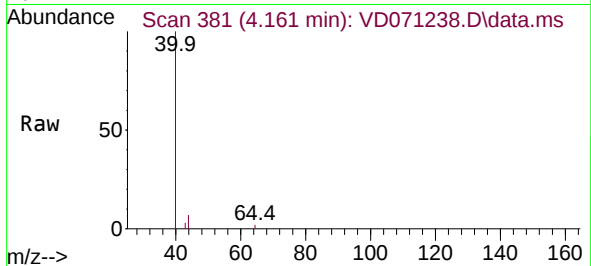




#16
Acetone
Concen: 34.154 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

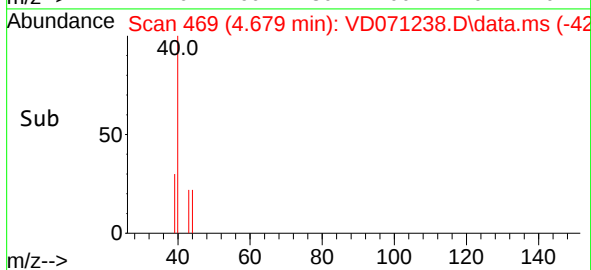
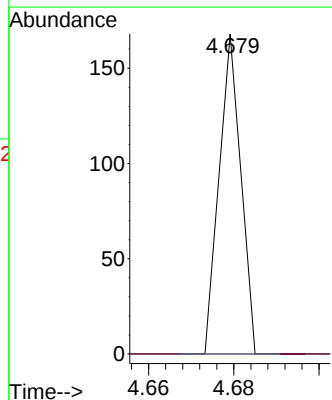
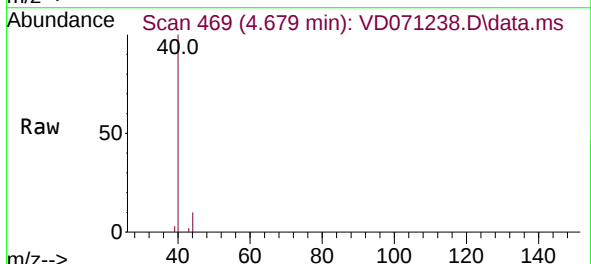
Instrument :
MSVOA_D
ClientSampleId :

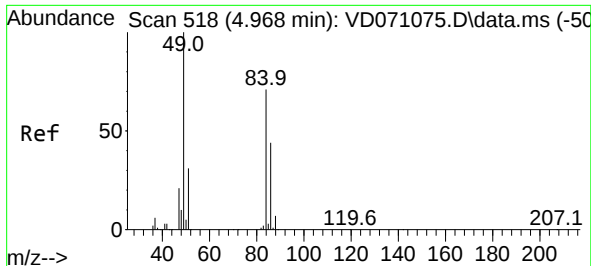
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.145 ug/l
RT: 4.679 min Scan# 469
Delta R.T. -0.036 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

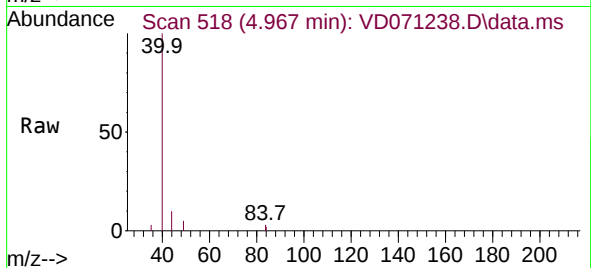
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



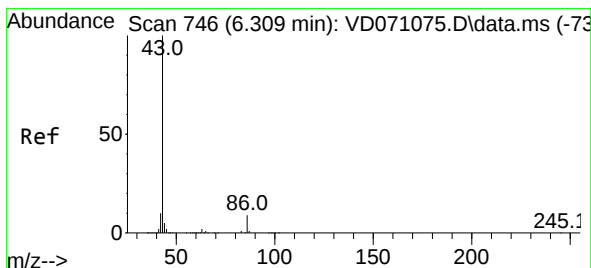
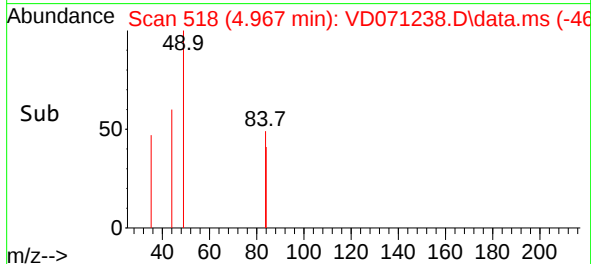
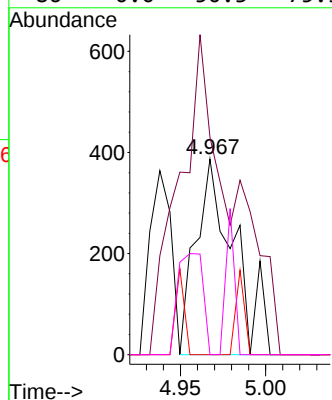


#20
Methylene Chloride
Concen: 4.873 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Instrument :
MSVOA_D
ClientSampleId :

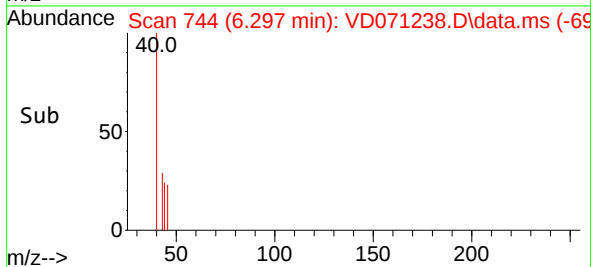
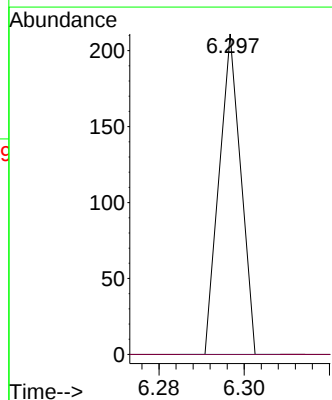
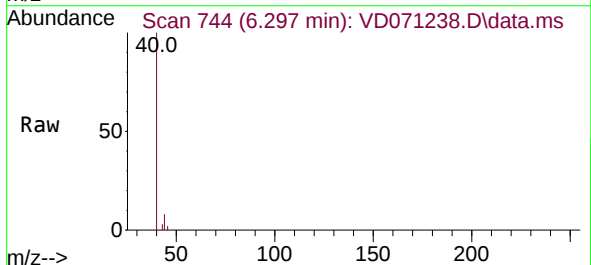


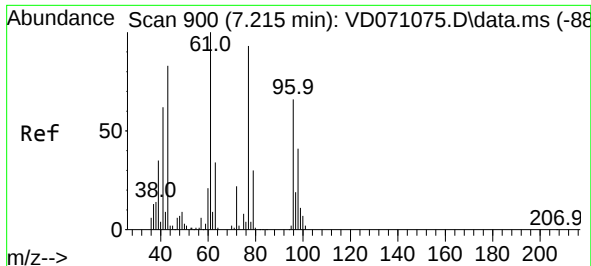
Tgt Ion: 84 Resp: 609
Ion Ratio Lower Upper
84 100
49 111.1 95.8 143.6
51 0.0 30.9 46.3#
86 0.0 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.798 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

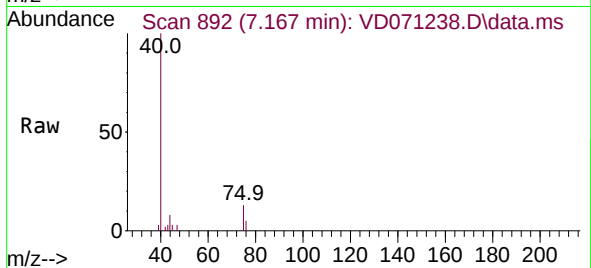
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



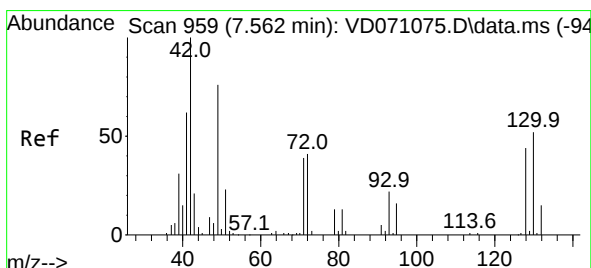
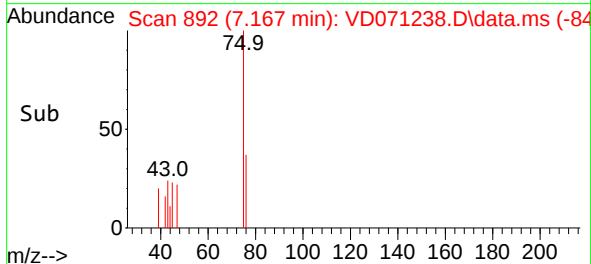
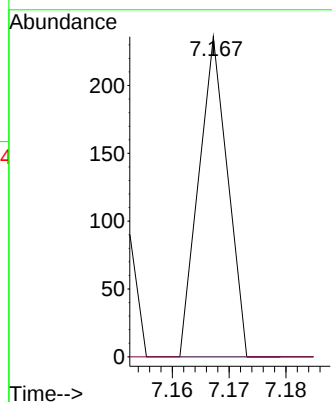


#25
2-Butanone
Concen: 31.795 ug/l
RT: 7.167 min Scan# 89
Delta R.T. -0.048 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

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MSVOA_D
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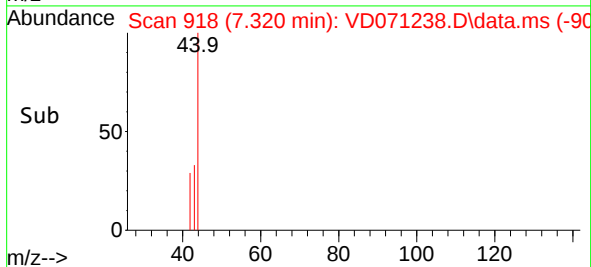
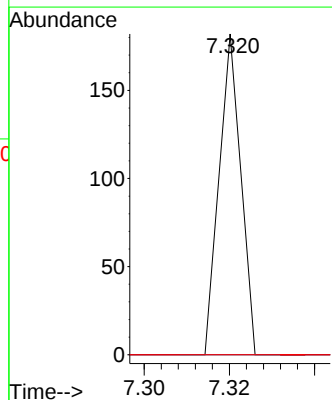
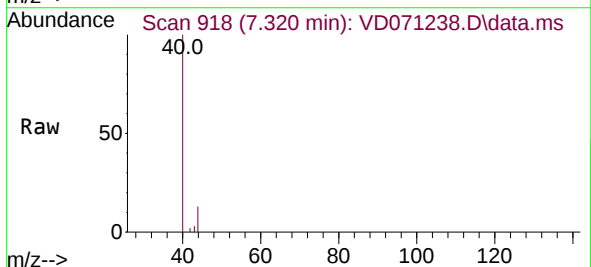


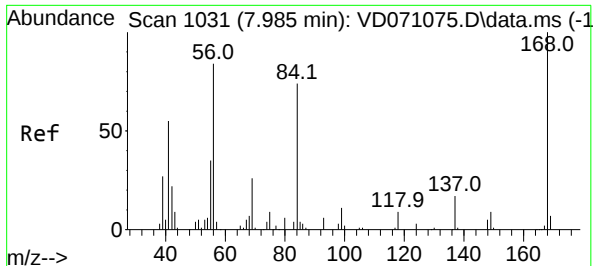
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 5.772 ug/l
RT: 7.320 min Scan# 918
Delta R.T. -0.242 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

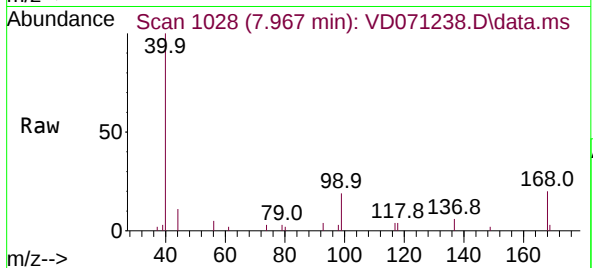
Tgt Ion: 42 Resp: 64
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



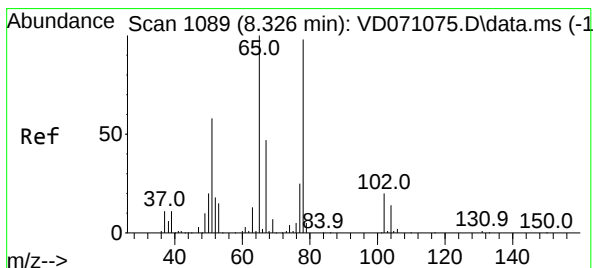
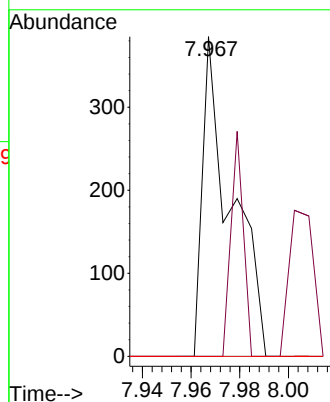
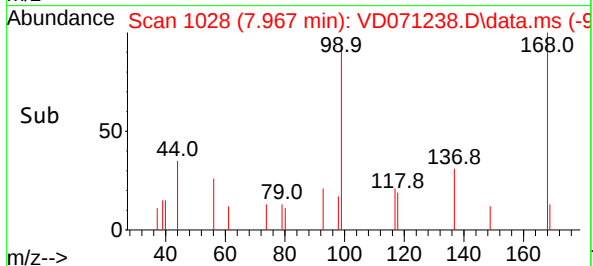


#31
Cyclohexane
Concen: 2.644 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

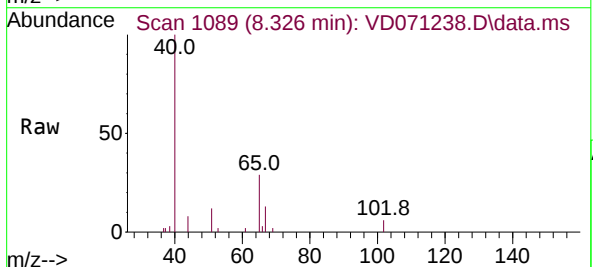
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MSVOA_D
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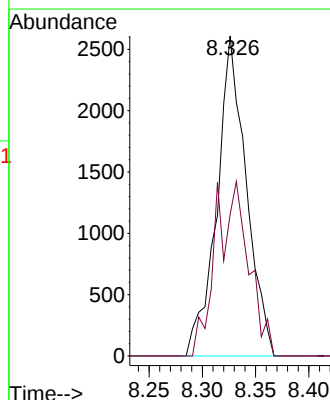
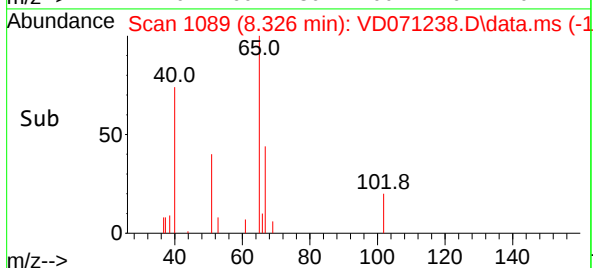
Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
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69 0.0 25.9 38.9#
84 0.0 64.3 96.5#

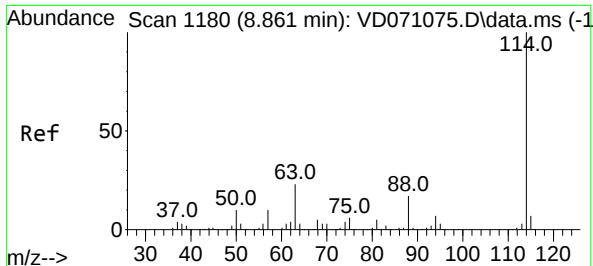


#33
1,2-Dichloroethane-d4
Concen: 71.519 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49



Tgt Ion: 65 Resp: 4994
Ion Ratio Lower Upper
65 100
67 61.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD071238.D

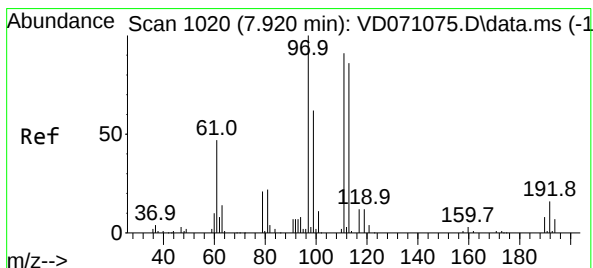
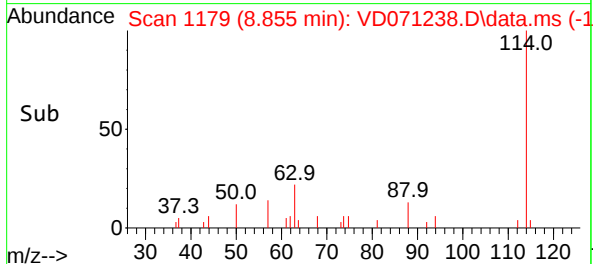
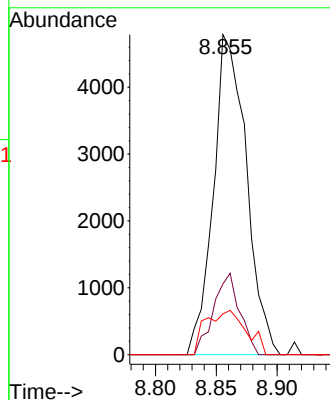
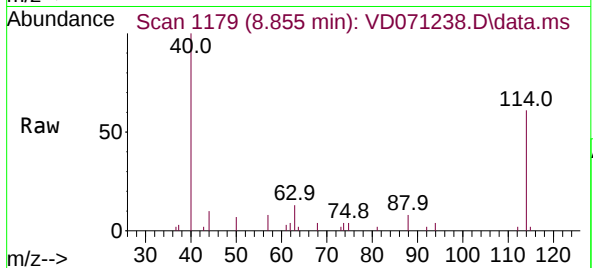
Acq: 09 Dec 2021 19:49

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	9019
Ion Ratio	Lower	Upper
114	100	
63	26.0	0.0 41.8
88	12.7	0.0 32.8



#35

Dibromofluoromethane

Concen: 47.726 ug/l

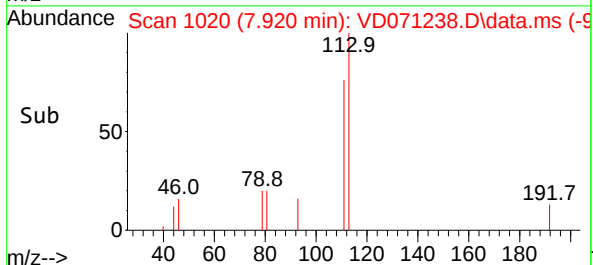
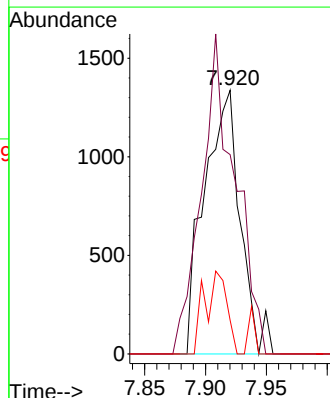
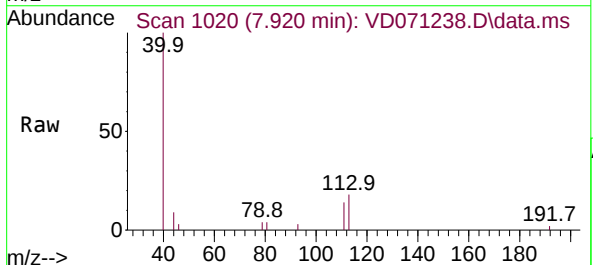
RT: 7.920 min Scan# 1020

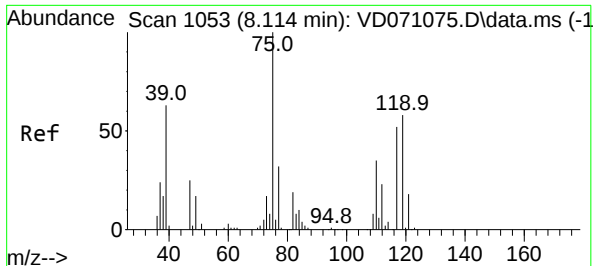
Delta R.T. 0.000 min

Lab File: VD071238.D

Acq: 09 Dec 2021 19:49

Tgt Ion:113	Resp:	2741
Ion Ratio	Lower	Upper
113	100	
111	113.7	82.0 123.0
192	19.3	15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.991 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

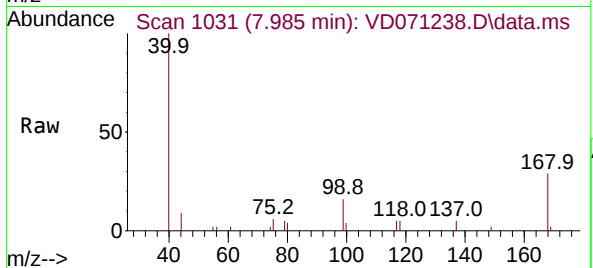
Lab File: VD071238.D

Acq: 09 Dec 2021 19:49

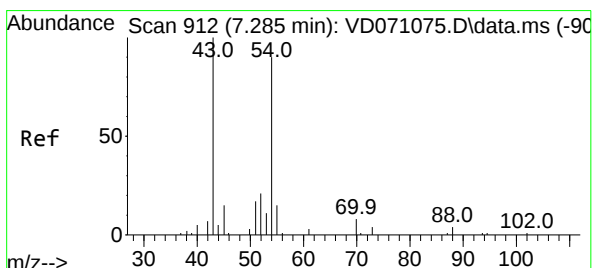
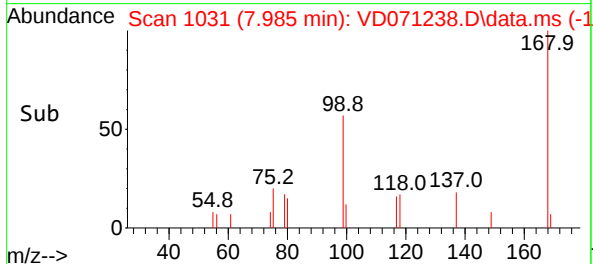
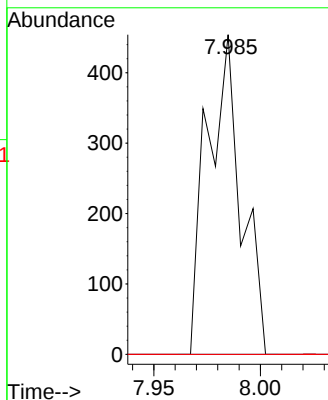
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	505
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 3.955 ug/l

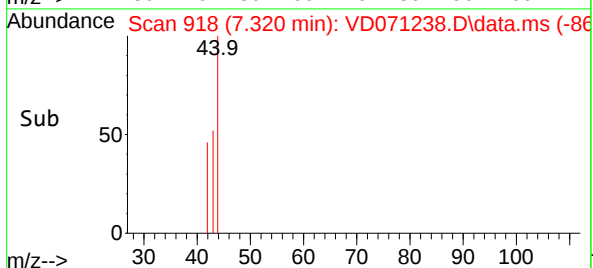
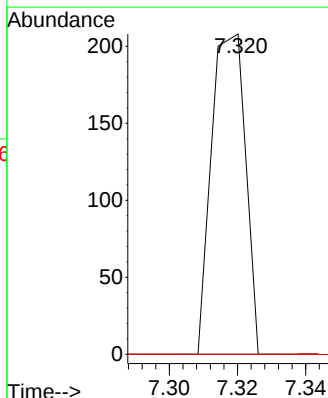
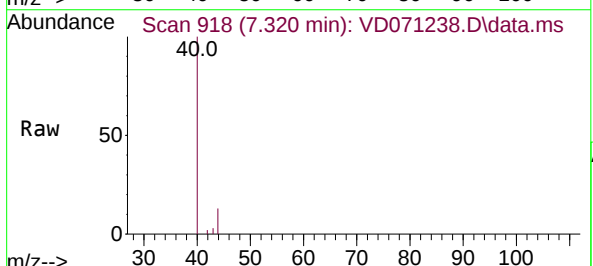
RT: 7.320 min Scan# 918

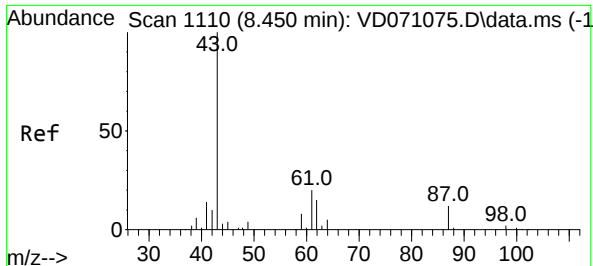
Delta R.T. 0.035 min

Lab File: VD071238.D

Acq: 09 Dec 2021 19:49

Tgt Ion:	43	Resp:	144
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#





#43

Isopropyl Acetate

Concen: 5.849 ug/l

RT: 8.555 min Scan# 1110

Delta R.T. 0.105 min

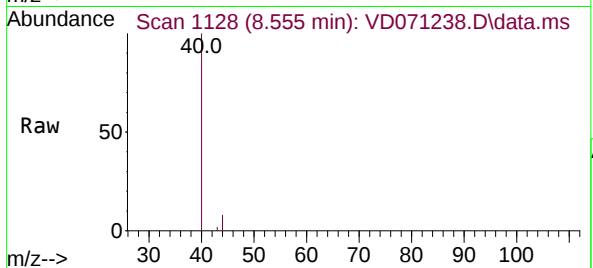
Lab File: VD071238.D

Acq: 09 Dec 2021 19:49

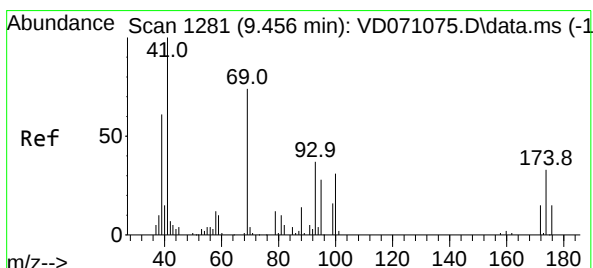
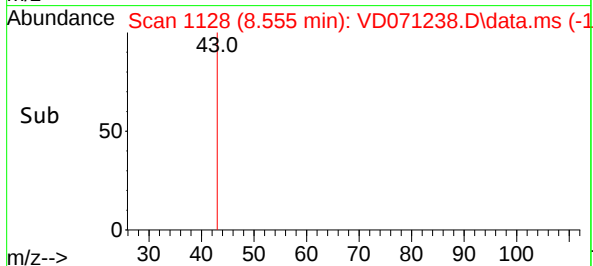
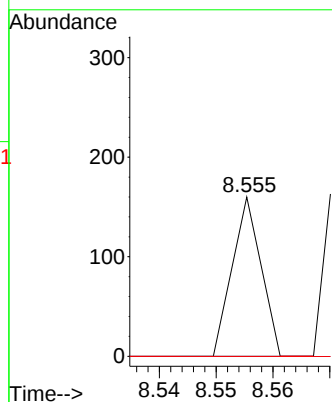
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



#48

Methyl methacrylate

Concen: 1.740 ug/l

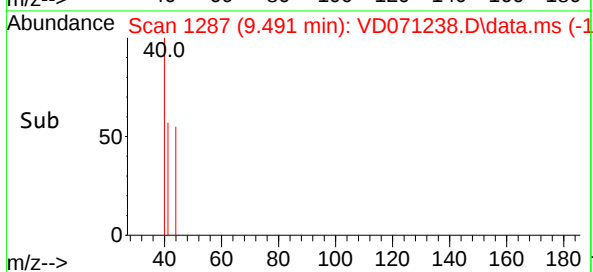
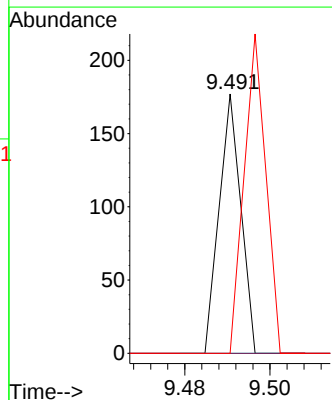
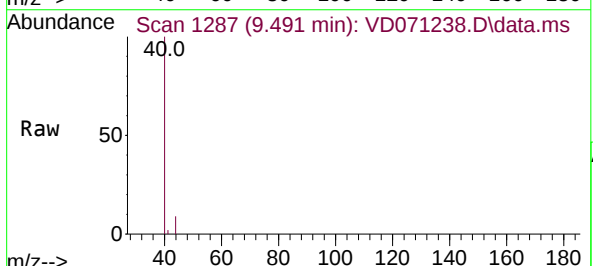
RT: 9.491 min Scan# 1287

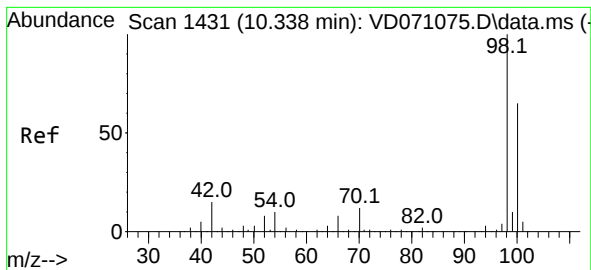
Delta R.T. 0.035 min

Lab File: VD071238.D

Acq: 09 Dec 2021 19:49

Tgt Ion:	41	Resp:	62
Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.6#
39	124.2	35.6	53.4#

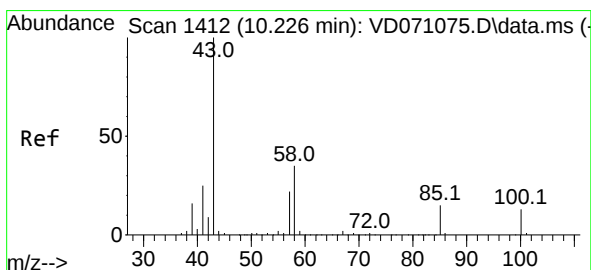
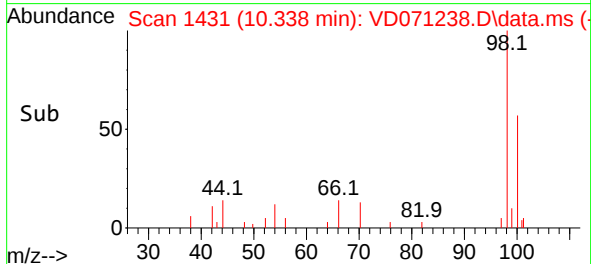
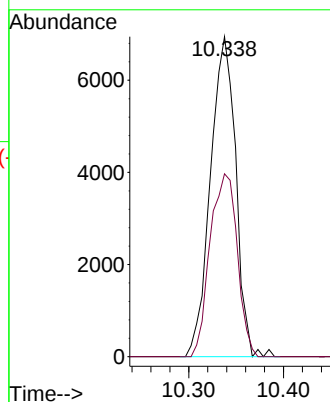
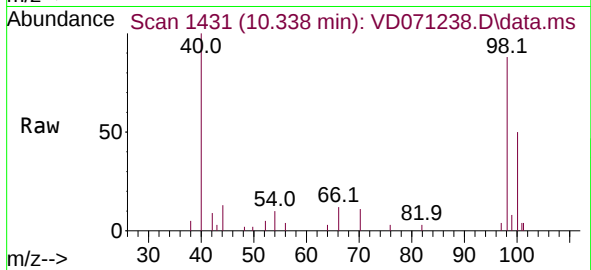




#50
Toluene-d8
Concen: 58.941 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

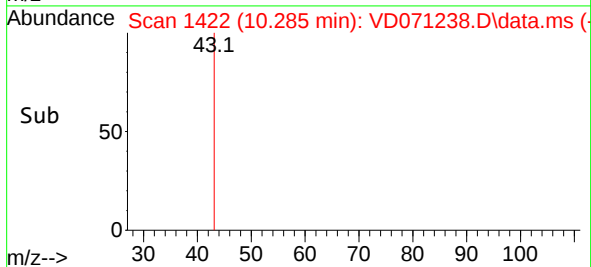
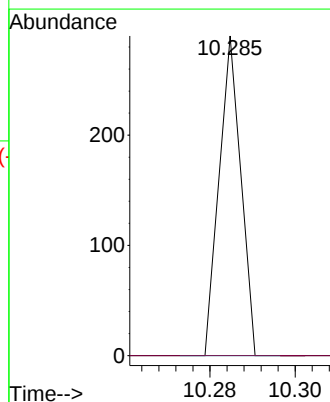
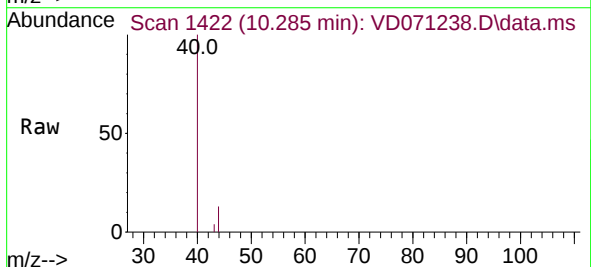
Instrument :
MSVOA_D
ClientSampleId :

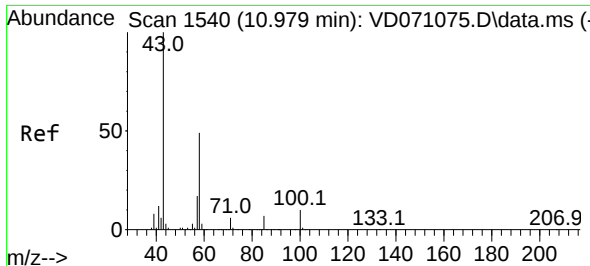
Tgt Ion: 98 Resp: 12882
Ion Ratio Lower Upper
98 100
100 61.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.831 ug/l
RT: 10.285 min Scan# 1422
Delta R.T. 0.059 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Tgt Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

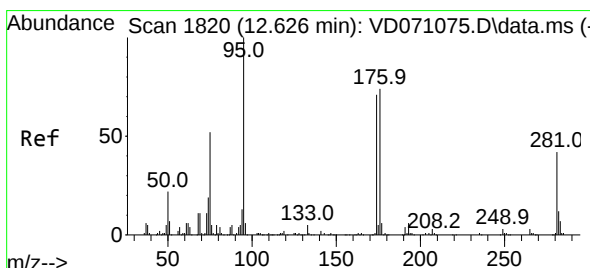
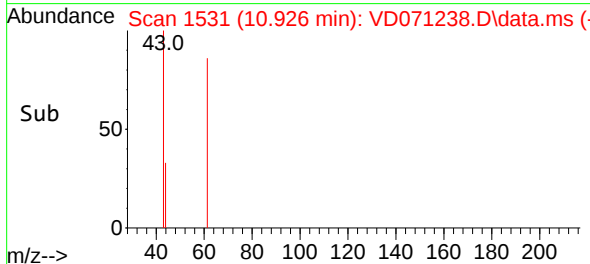
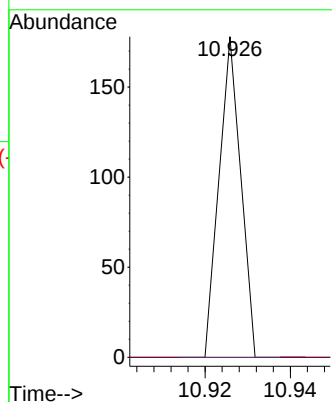
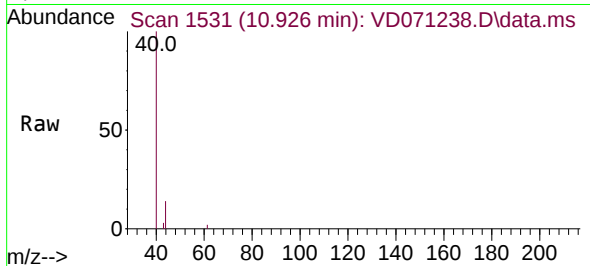




#59
2-Hexanone
Concen: 36.329 ug/l
RT: 10.926 min Scan# 11
Delta R.T. -0.053 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

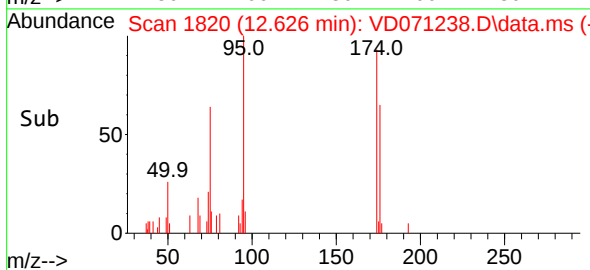
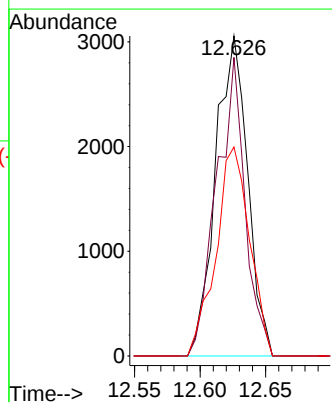
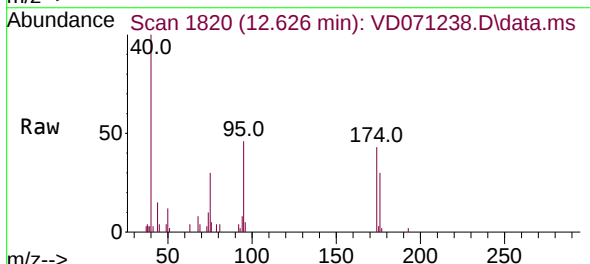
Instrument :
MSVOA_D
ClientSampleId :

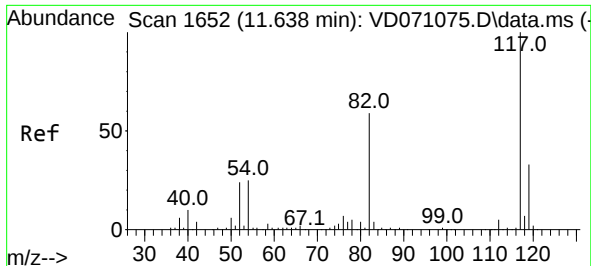
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 68.558 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Tgt Ion: 95 Resp: 5194
Ion Ratio Lower Upper
95 100
174 82.6 0.0 159.4
176 68.7 0.0 154.0

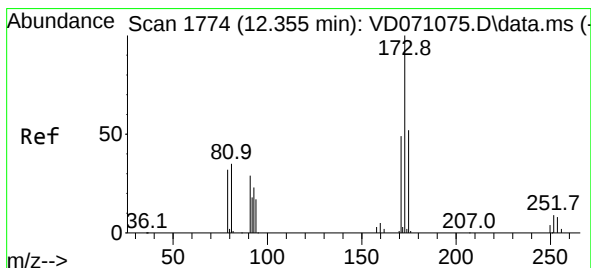
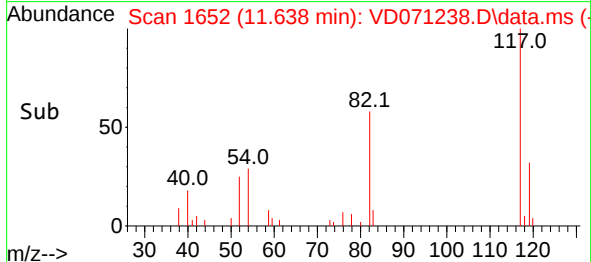
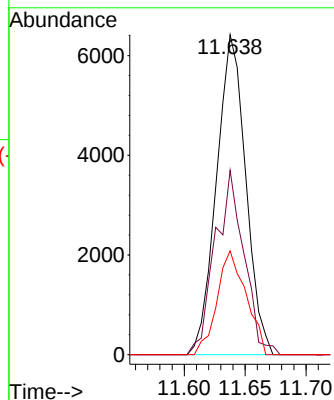
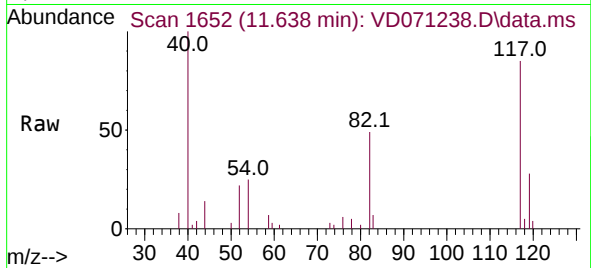




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

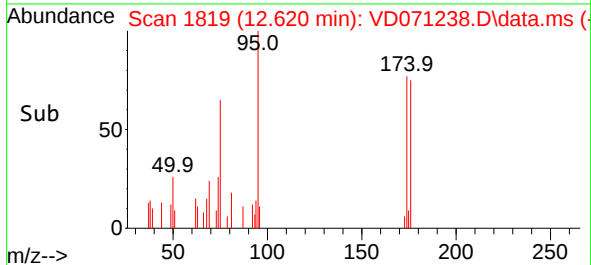
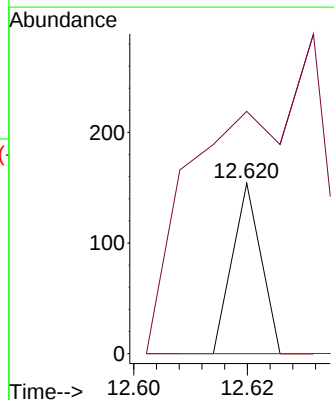
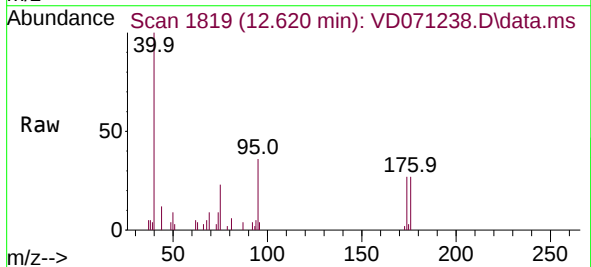
Instrument :
MSVOA_D
ClientSampleId :

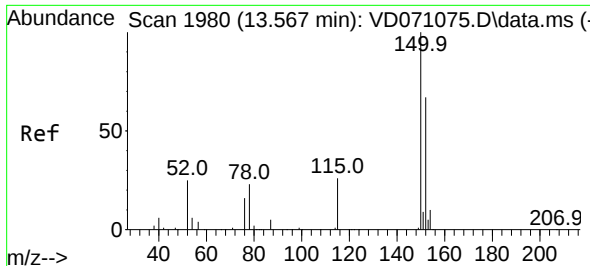
Tgt Ion:117 Resp: 10724
Ion Ratio Lower Upper
117 100
82 57.6 44.7 67.1
119 32.5 26.2 39.4



#71
Bromoform
Concen: 1.435 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

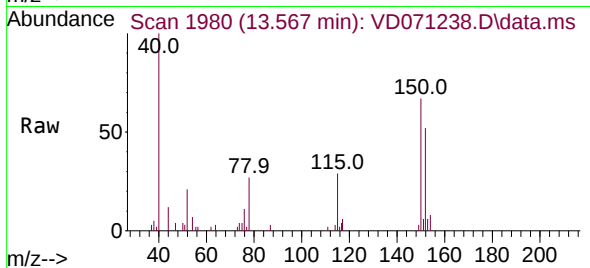
Tgt Ion:173 Resp: 54
Ion Ratio Lower Upper
173 100
175 498.1 24.1 72.2#
254 0.0 0.1 0.1#



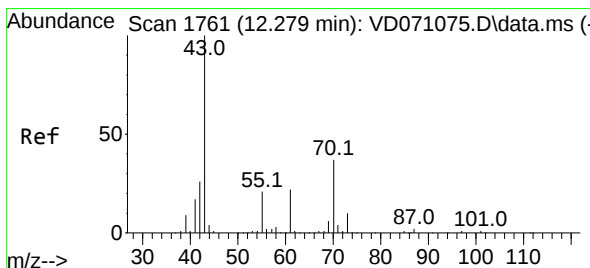
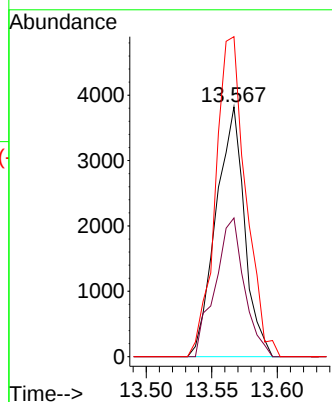
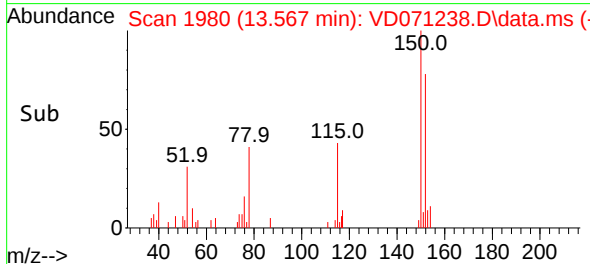


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

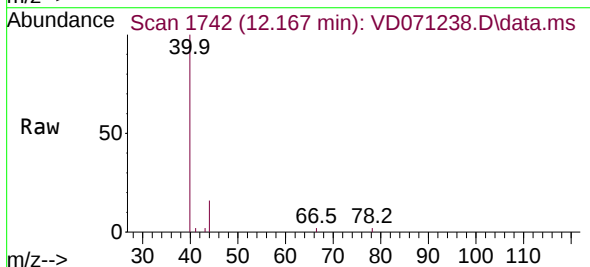
Instrument :
MSVOA_D
ClientSampleId :



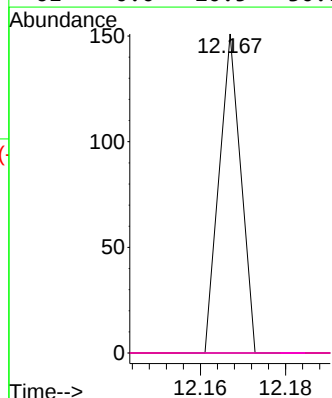
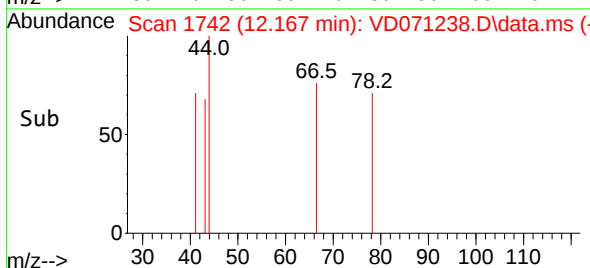
Tgt Ion:152 Resp: 5779
Ion Ratio Lower Upper
152 100
115 56.7 29.8 89.3
150 136.2 0.0 349.2

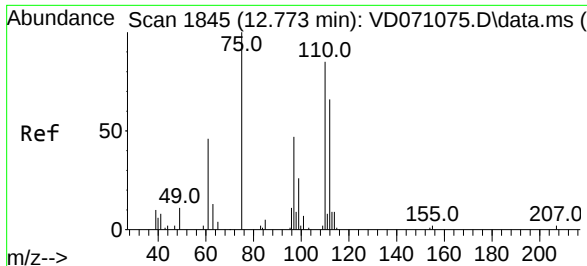


#74
N-ethyl acetate
Concen: 6.111 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.112 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49



Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

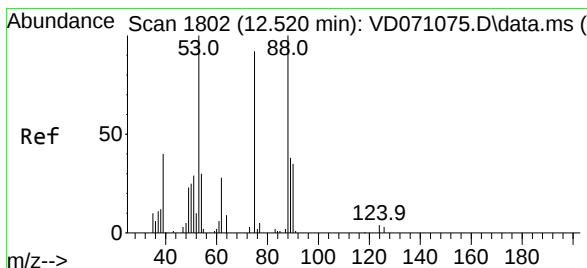
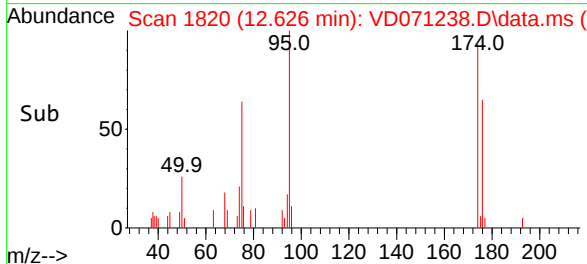
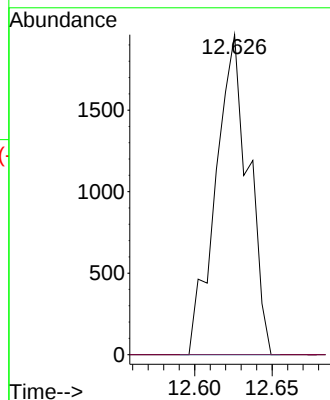
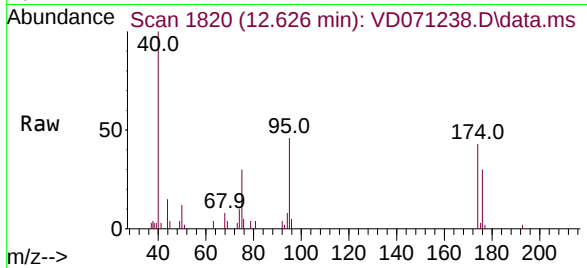




#76
1,2,3-Trichloropropane
Concen: 52.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 2900
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.740 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071238.D
Acq: 09 Dec 2021 19:49

Tgt Ion: 75 Resp: 2900
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

