

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071103.D
 Acq On : 01 Dec 2021 13:29
 Operator : VA/SY
 Sample : M4865-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-113021

Quant Time: Dec 02 03:14:11 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)

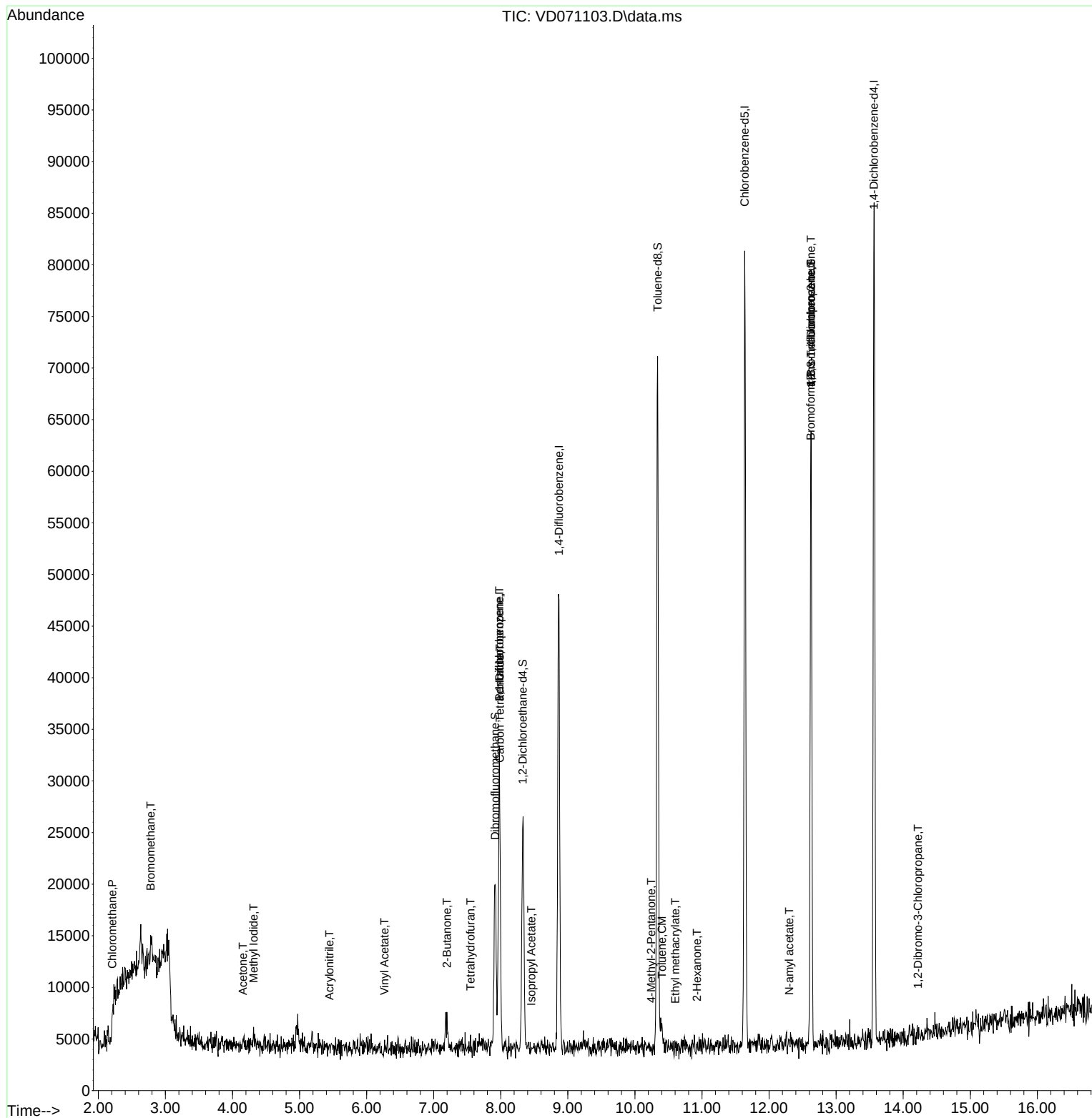
Internal Standards						
1) Pentafluorobenzene	7.979	168	17378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	34746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	39272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	20606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	17534	85.989	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 171.980%#			
35) Dibromofluoromethane	7.914	113	11519	52.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.120%			
50) Toluene-d8	10.338	98	44899	53.324	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.640%			
62) 4-Bromofluorobenzene	12.626	95	18701	64.073	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 128.140%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	597	3.045	ug/l #	42
5) Bromomethane	2.779	94	1095	6.945	ug/l	89
10) Methyl Iodide	4.314	142	710	7.736	ug/l #	53
11) Tert butyl alcohol	5.203	59	147	Below Cal	#	71
15) Acrylonitrile	5.444	53	54	1.382	ug/l #	19
16) Acetone	4.156	43	618	40.804	ug/l #	40
20) Methylene Chloride	4.956	84	639	Below Cal	#	67
23) Vinyl Acetate	6.267	43	132	27.573	ug/l #	72
25) 2-Butanone	7.197	43	87	29.592	ug/l #	45
29) Tetrahydrofuran	7.550	42	62	1.915	ug/l #	34
36) 1,1-Dichloropropene	7.979	75	1580	4.865	ug/l #	45
38) Carbon Tetrachloride	7.985	117	1958	6.116	ug/l #	12
41) Methacrylonitrile	7.514	41	66	Below Cal	#	12
43) Isopropyl Acetate	8.455	43	98	5.507	ug/l #	47
51) 4-Methyl-2-Pentanone	10.244	43	114	31.284	ug/l #	34
52) Toluene	10.402	92	697	1.245	ug/l	79
56) Ethyl methacrylate	10.602	69	61	6.207	ug/l #	28
59) 2-Hexanone	10.926	43	59	35.000	ug/l #	22
71) Bromoform	12.620	173	180	1.306	ug/l #	1
74) N-amyl acetate	12.302	43	153	6.033	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	10468	53.320	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	10468	116.084	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.220	75	61	1.524	ug/l #	4

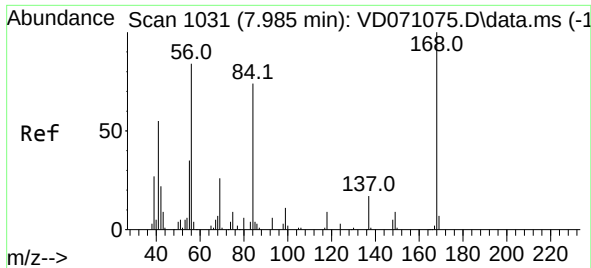
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

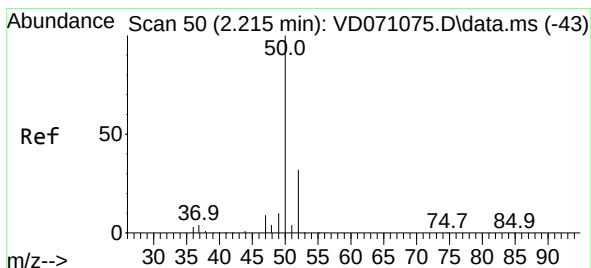
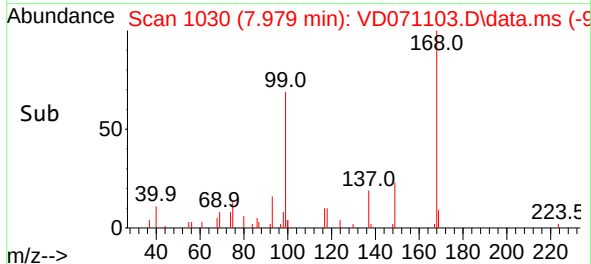
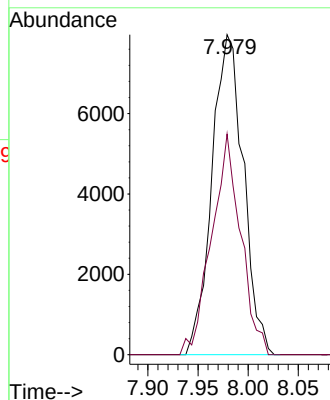
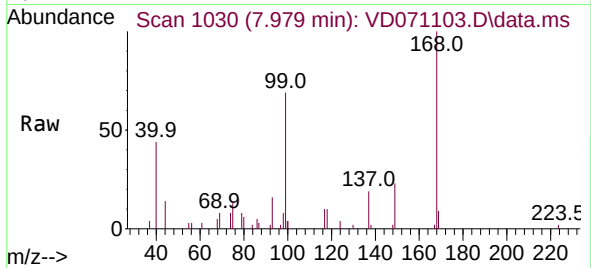




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

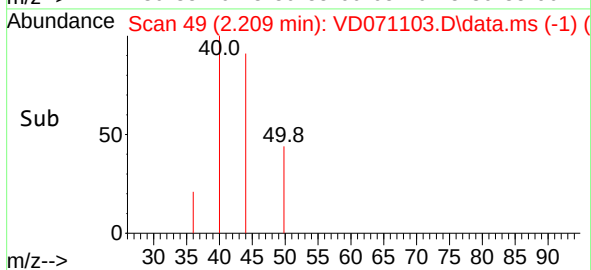
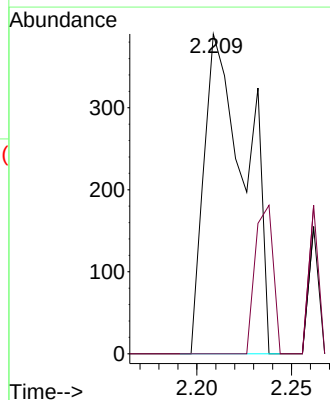
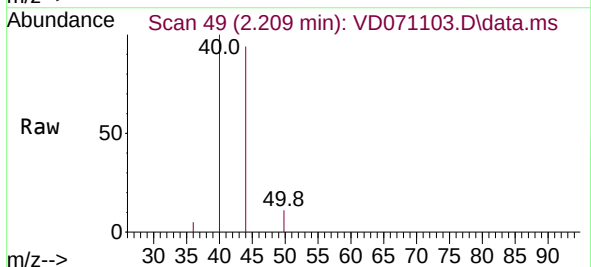
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

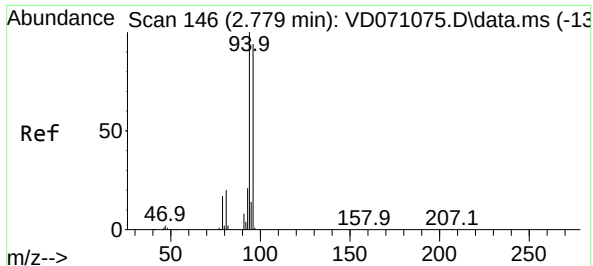
Tgt Ion:168 Resp: 17378
Ion Ratio Lower Upper
168 100
99 68.9 46.6 69.8



#3
Chloromethane
Concen: 3.045 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

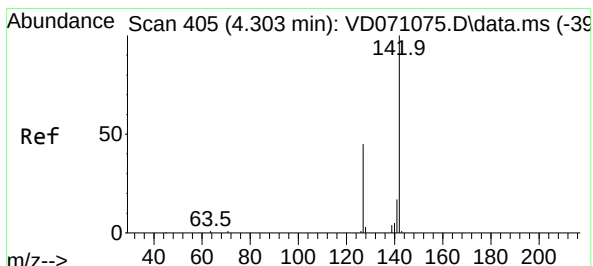
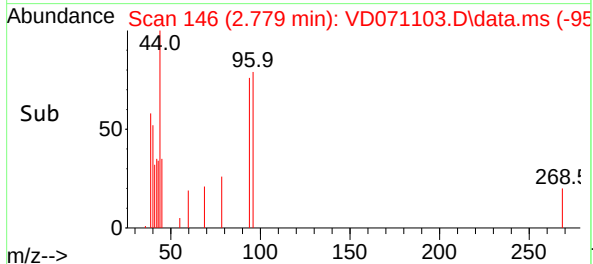
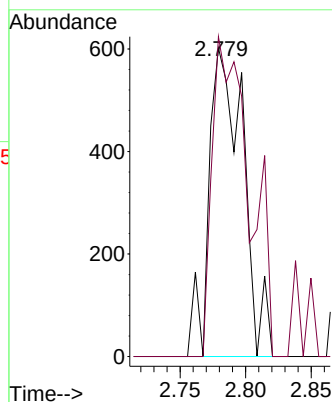
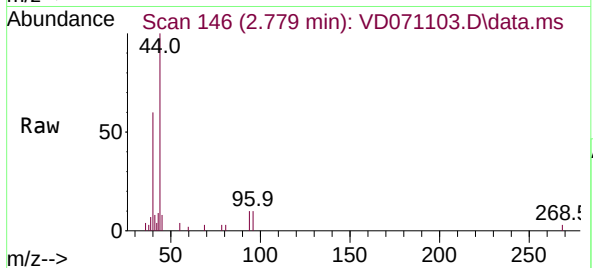




#5
Bromomethane
Concen: 6.945 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.000 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

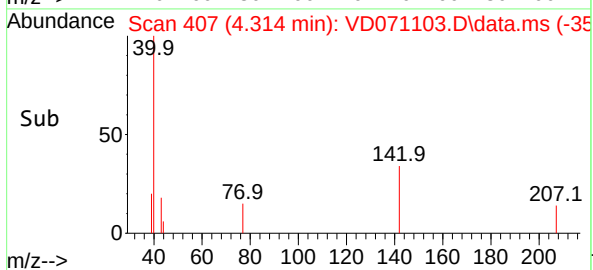
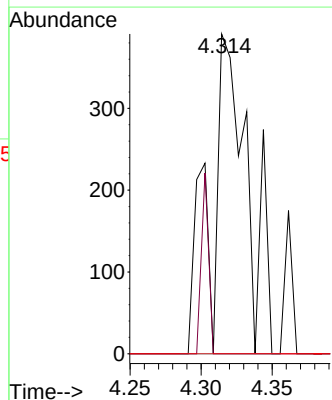
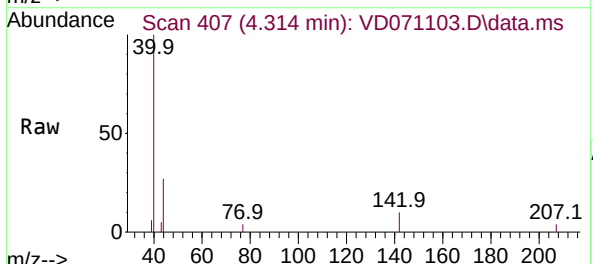
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

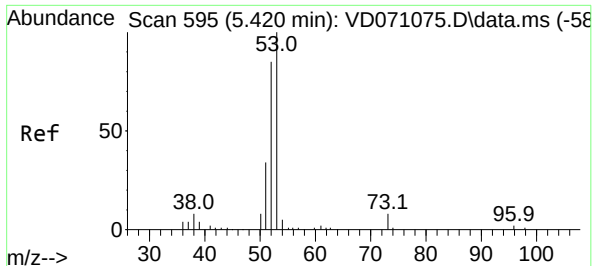
Tgt Ion: 94 Resp: 1095
Ion Ratio Lower Upper
94 100
96 103.7 74.8 112.2



#10
Methyl Iodide
Concen: 7.736 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 142 Resp: 710
Ion Ratio Lower Upper
142 100
127 11.0 35.0 52.4#
141 0.0 12.0 18.0#

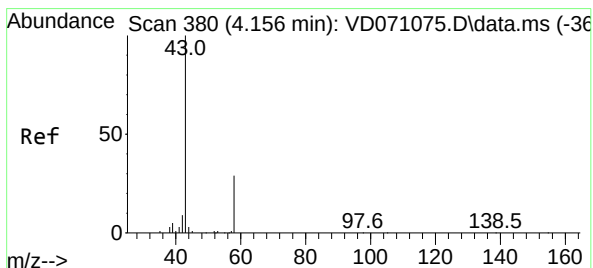
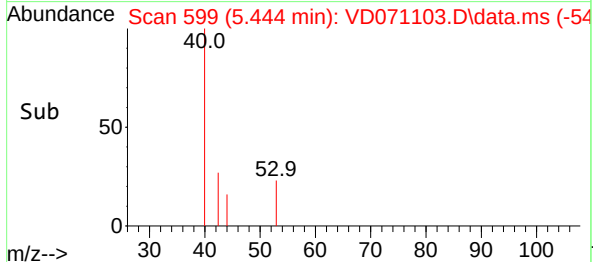
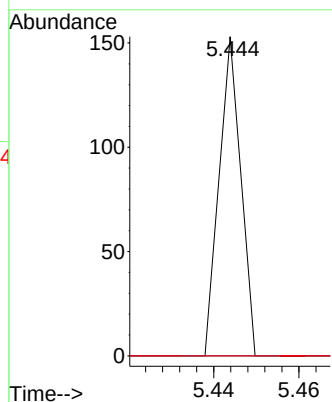
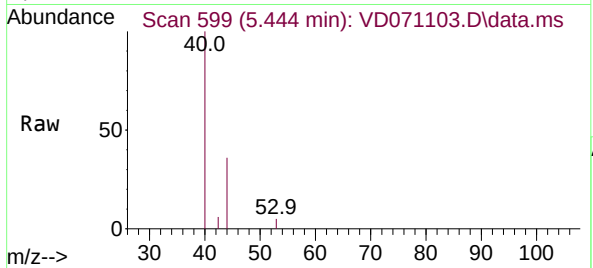




#15
Acrylonitrile
Concen: 1.382 ug/l
RT: 5.444 min Scan# 595
Delta R.T. 0.024 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

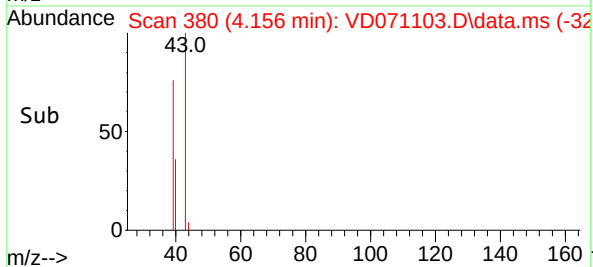
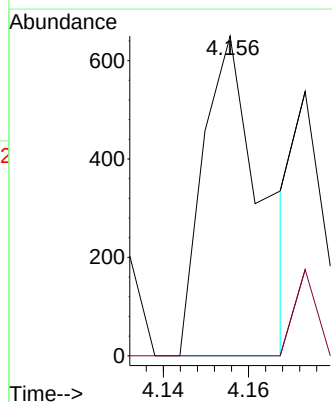
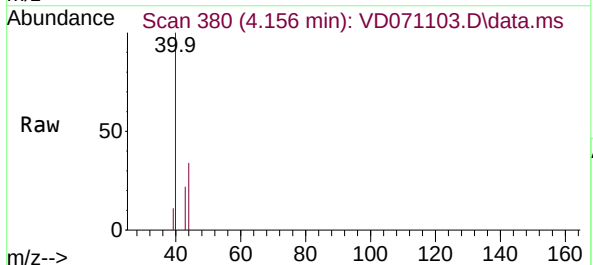
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

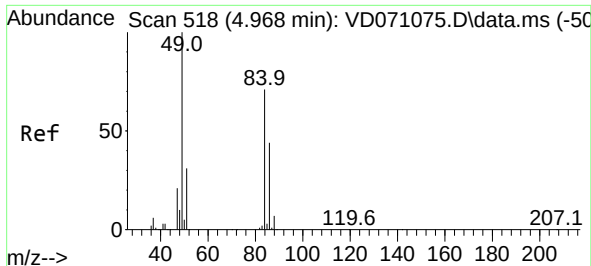
Tgt Ion: 53 Resp: 54
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 40.804 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

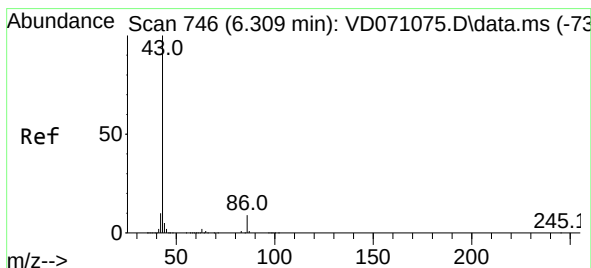
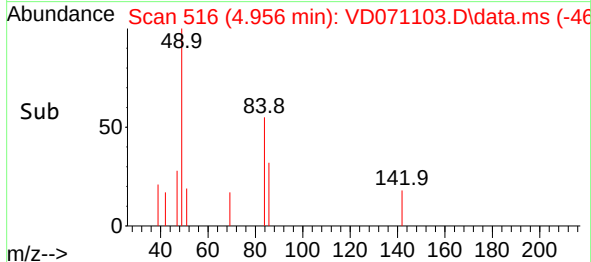
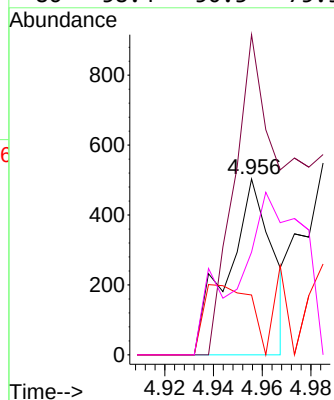
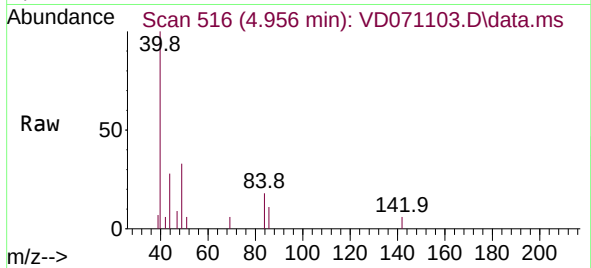




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 518
Delta R.T. -0.012 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

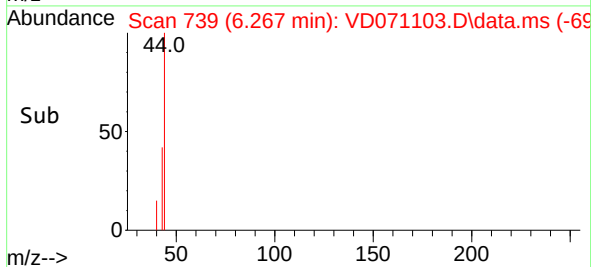
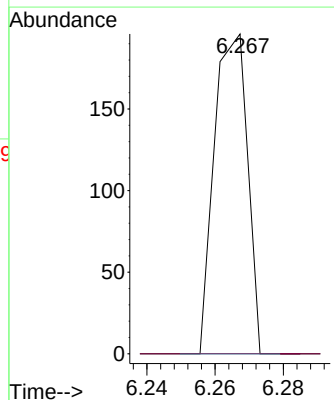
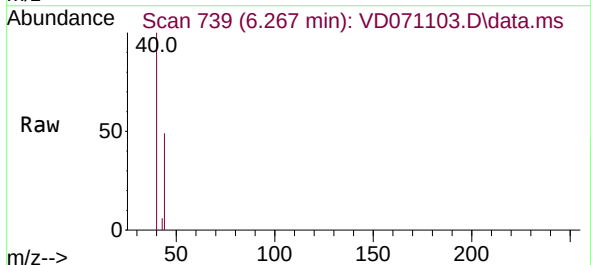
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

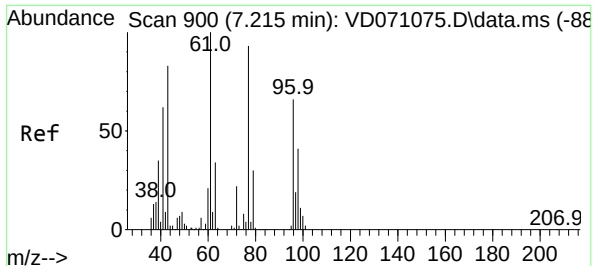
Tgt Ion:	84	Resp:	639
Ion	Ratio	Lower	Upper
84	100		
49	182.1	95.8	143.6#
51	34.0	30.9	46.3
86	58.4	50.3	75.5



#23
Vinyl Acetate
Concen: 27.573 ug/l
RT: 6.267 min Scan# 739
Delta R.T. -0.042 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion:	43	Resp:	132
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

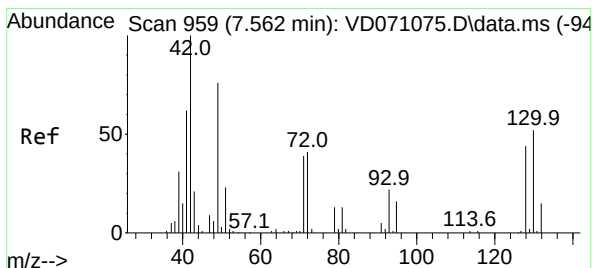
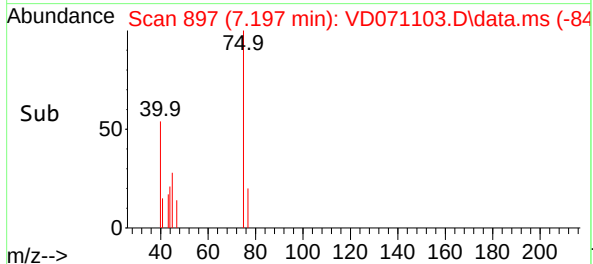
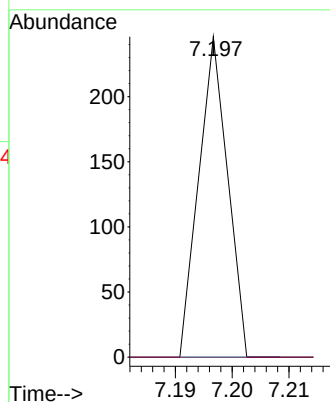
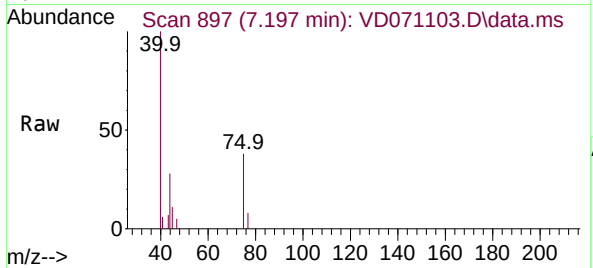




#25
2-Butanone
Concen: 29.592 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

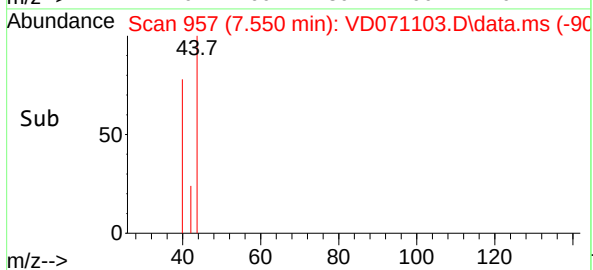
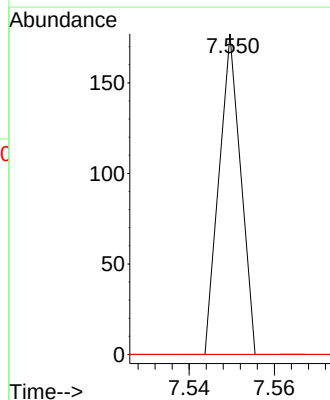
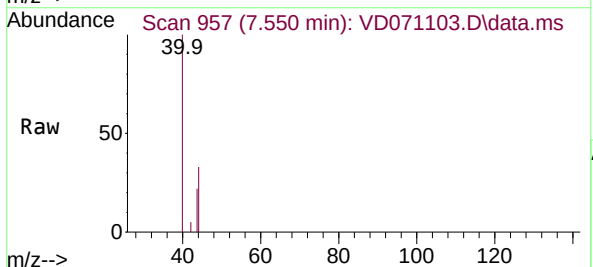
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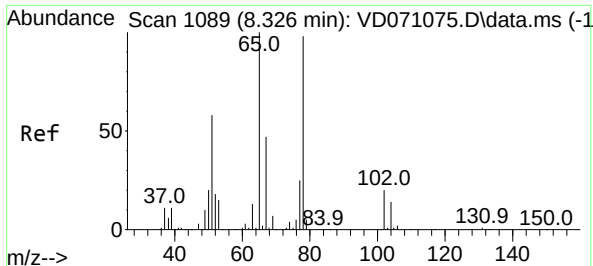
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.915 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.012 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#

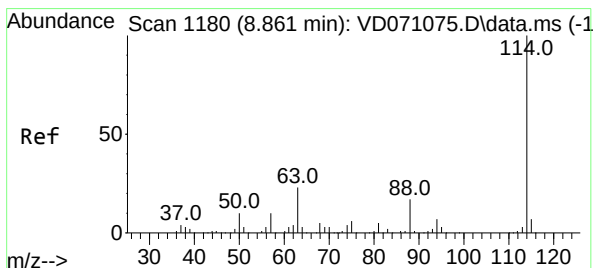
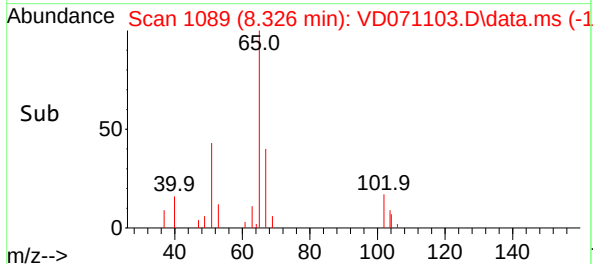
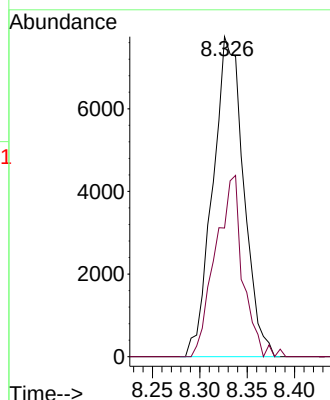
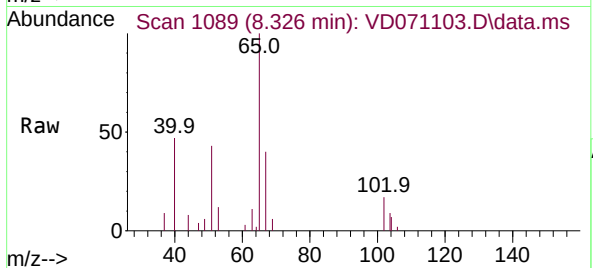




#33
 1,2-Dichloroethane-d4
 Concen: 85.989 ug/l
 RT: 8.326 min Scan# 1108
 Delta R.T. 0.000 min
 Lab File: VD071103.D
 Acq: 01 Dec 2021 13:29

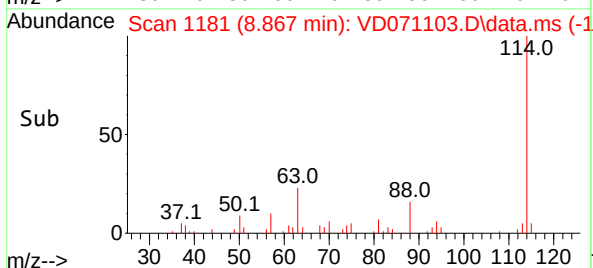
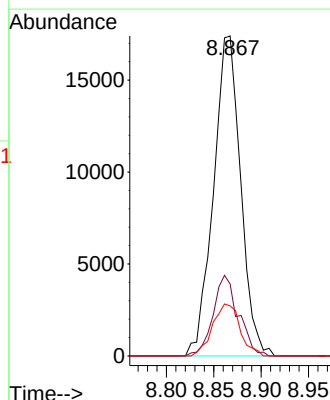
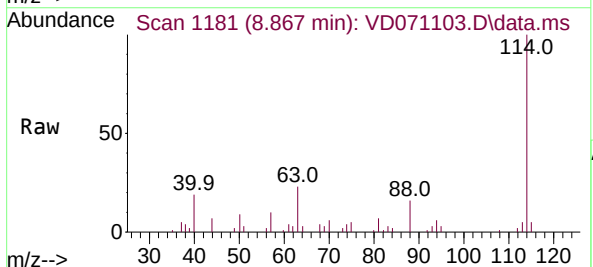
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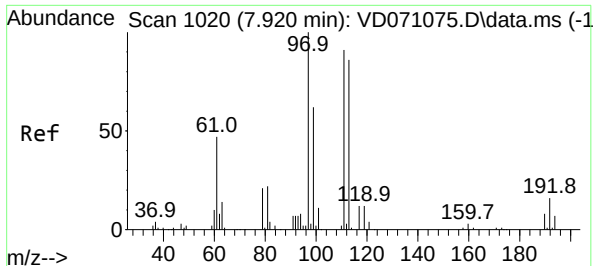
Tgt Ion: 65 Resp: 17534
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.006 min
 Lab File: VD071103.D
 Acq: 01 Dec 2021 13:29

Tgt Ion: 114 Resp: 34746
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.8
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.061 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071103.D

Acq: 01 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

TR-05-113021

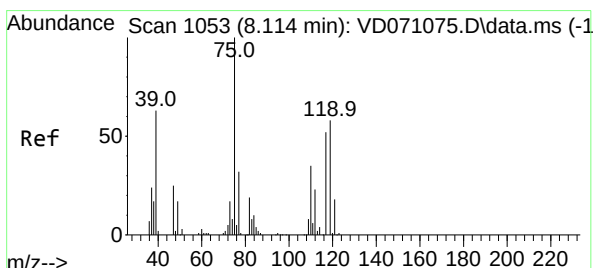
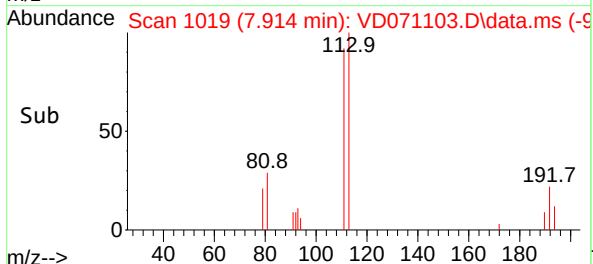
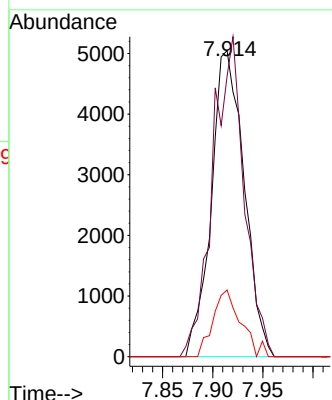
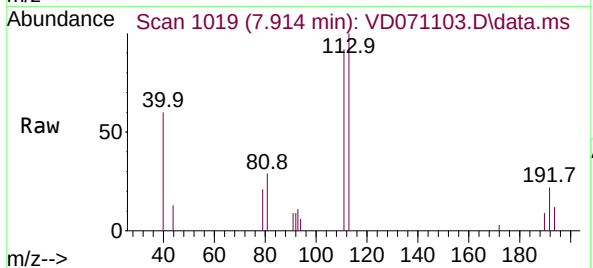
Tgt Ion:113 Resp: 11519

Ion Ratio Lower Upper

113 100

111 100.2 82.0 123.0

192 18.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071103.D

Acq: 01 Dec 2021 13:29

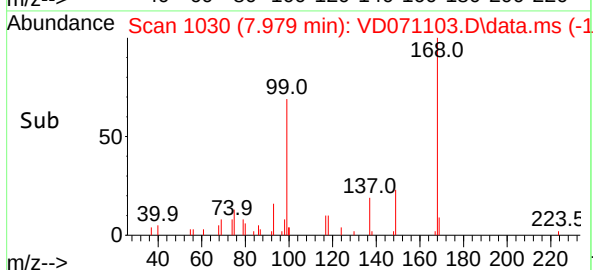
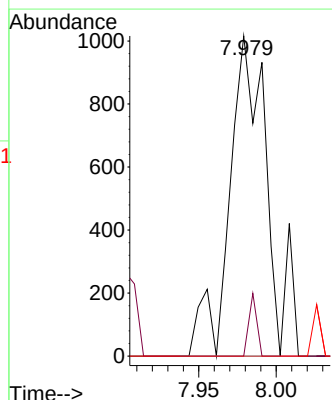
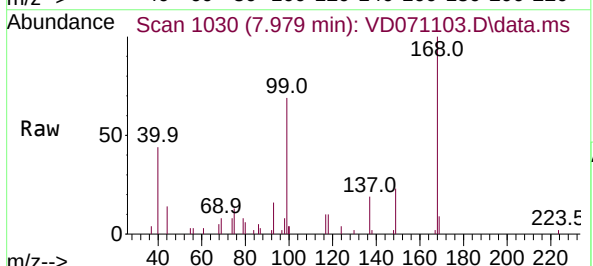
Tgt Ion: 75 Resp: 1580

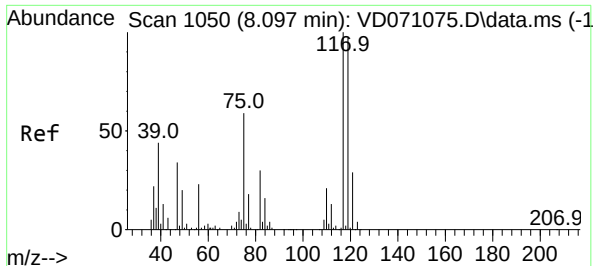
Ion Ratio Lower Upper

75 100

110 4.4 17.8 53.4#

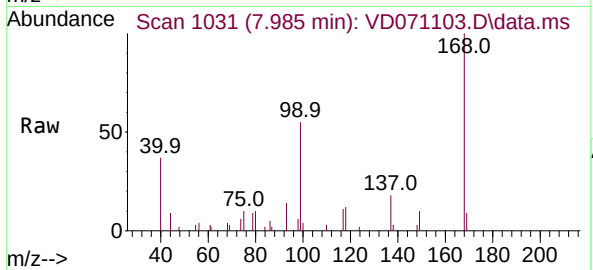
77 0.0 24.8 37.2#



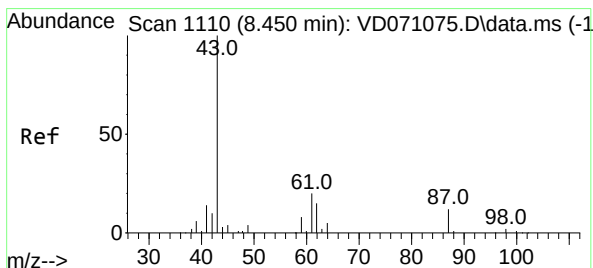
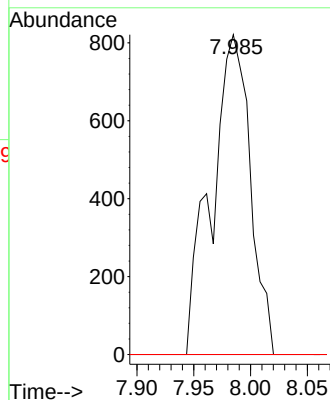
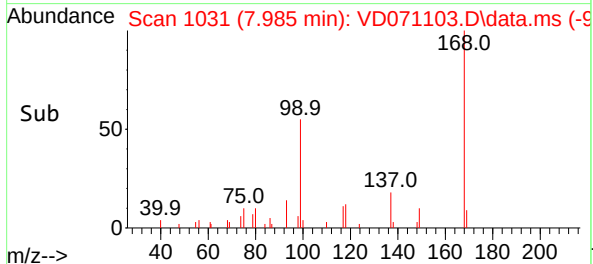


#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 7.985 min Scan# 1050
Delta R.T. -0.112 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

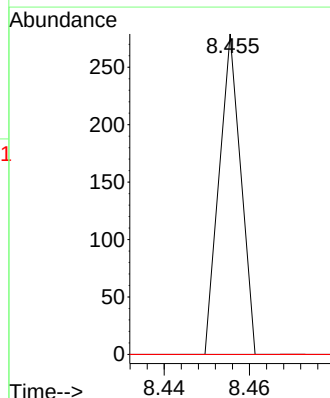
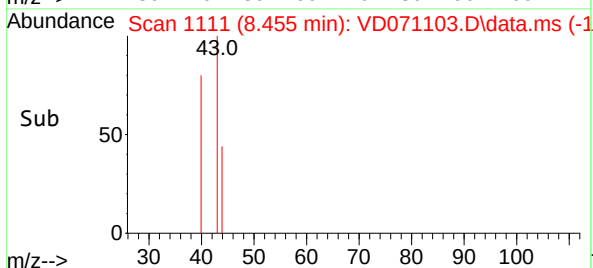
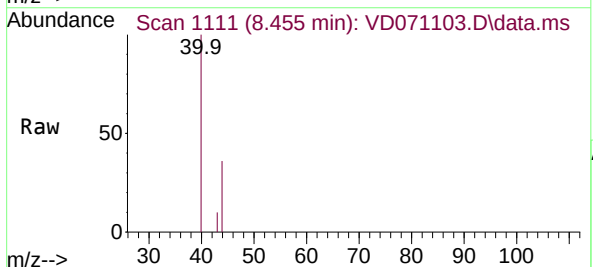


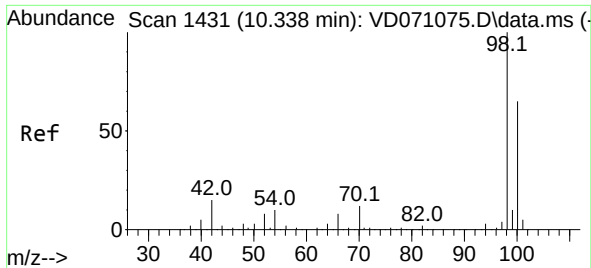
Tgt Ion:117 Resp: 1958
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.507 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

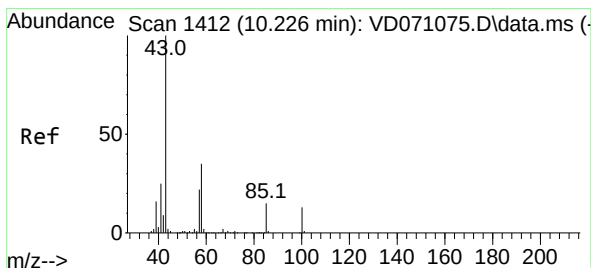
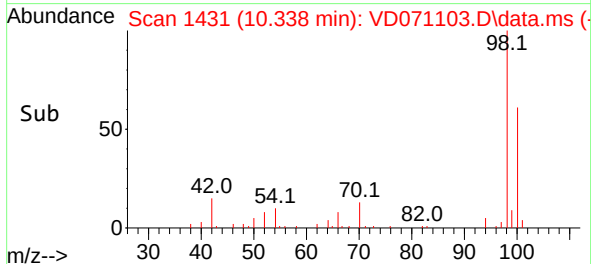
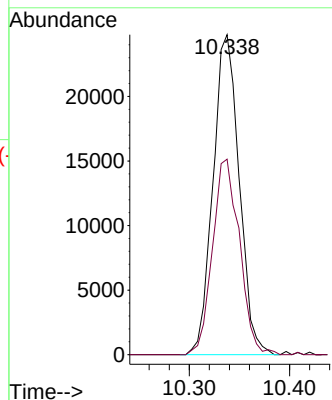
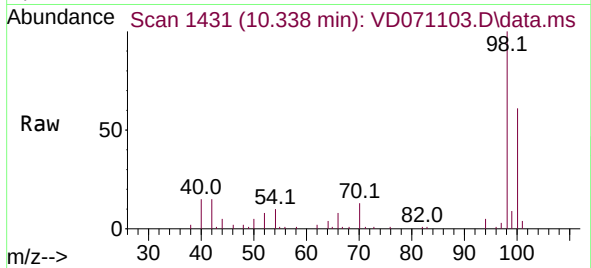




#50
Toluene-d8
Concen: 53.324 ug/l
RT: 10.338 min Scan# 1415
Delta R.T. -0.000 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

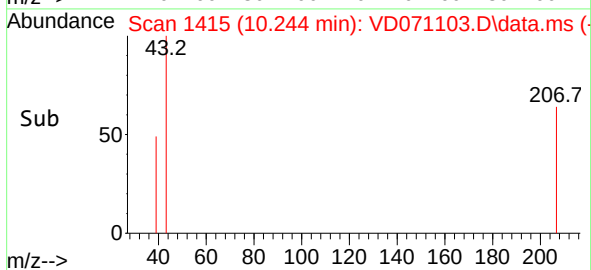
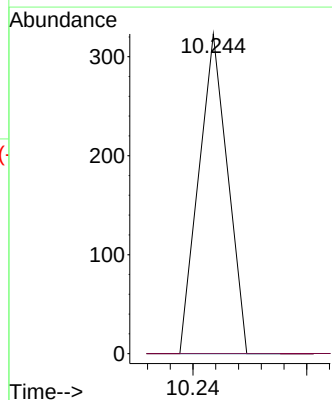
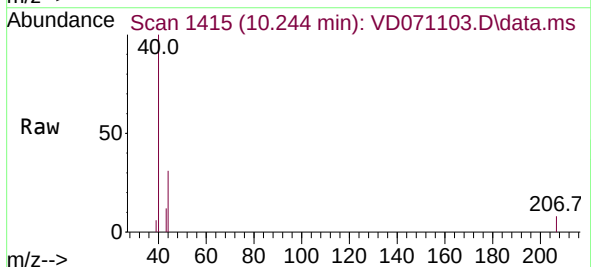
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

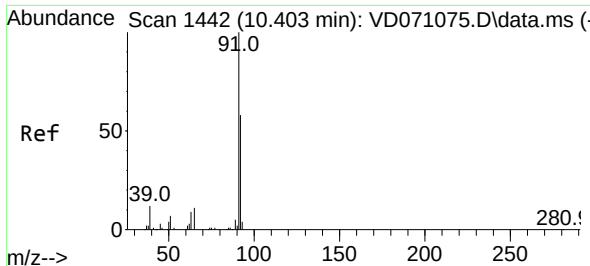
Tgt Ion: 98 Resp: 44899
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.284 ug/l
RT: 10.244 min Scan# 1415
Delta R.T. 0.018 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#52

Toluene

Concen: 1.245 ug/l

RT: 10.402 min Scan# 1442

Delta R.T. -0.001 min

Lab File: VD071103.D

Acq: 01 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

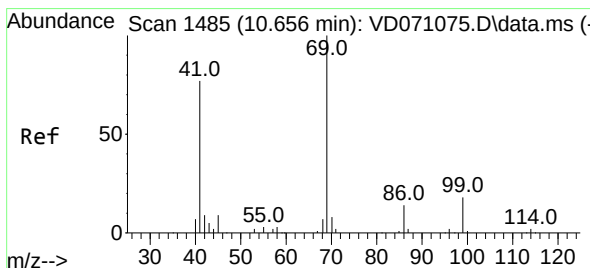
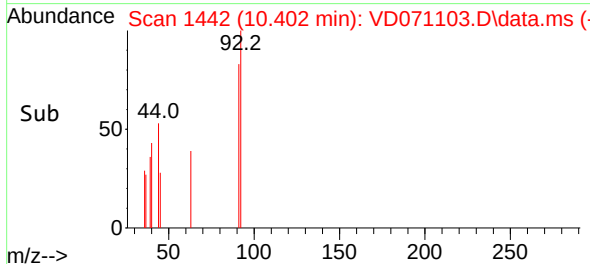
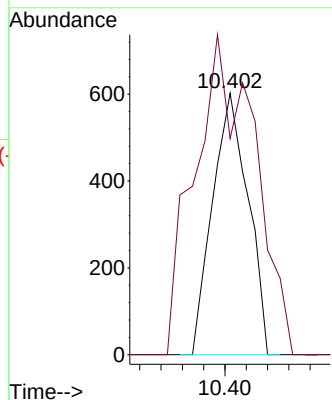
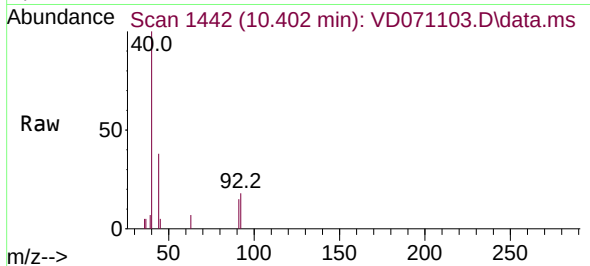
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Tgt Ion: 92 Resp: 697

Ion Ratio Lower Upper

92 100

91 205.7 140.7 211.1



#56

Ethyl methacrylate

Concen: 6.207 ug/l

RT: 10.602 min Scan# 1476

Delta R.T. -0.054 min

Lab File: VD071103.D

Acq: 01 Dec 2021 13:29

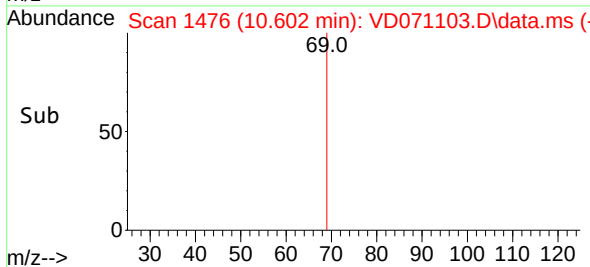
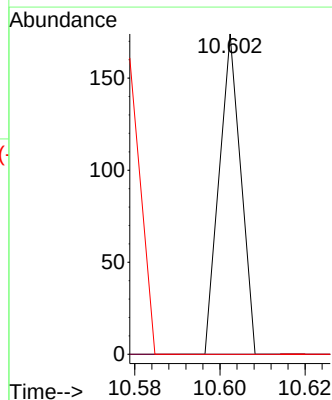
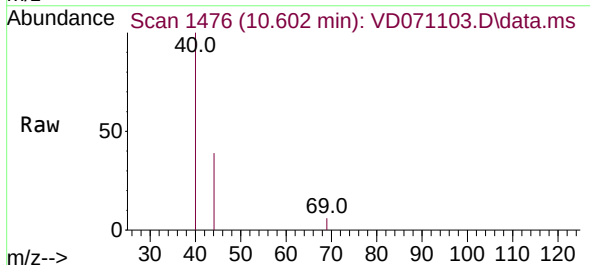
Tgt Ion: 69 Resp: 61

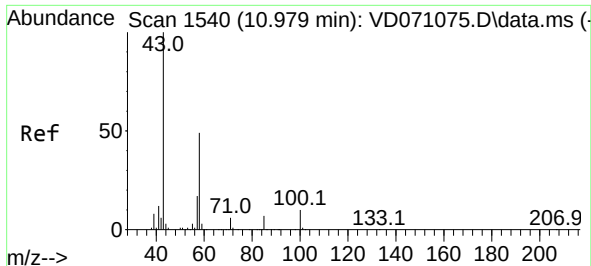
Ion Ratio Lower Upper

69 100

41 0.0 50.2 75.2#

39 0.0 19.8 29.8#

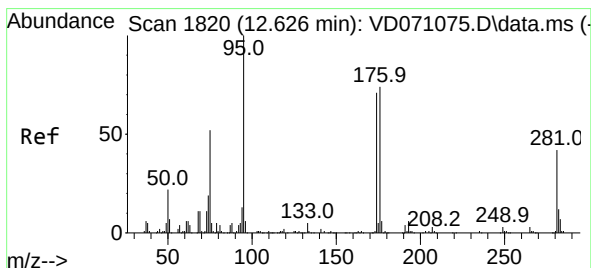
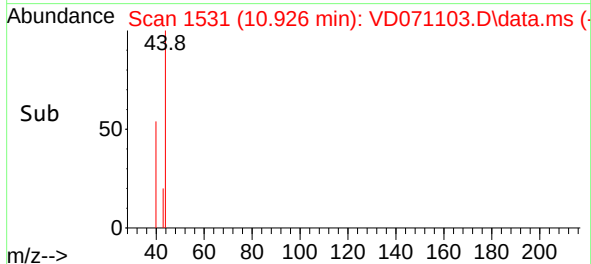
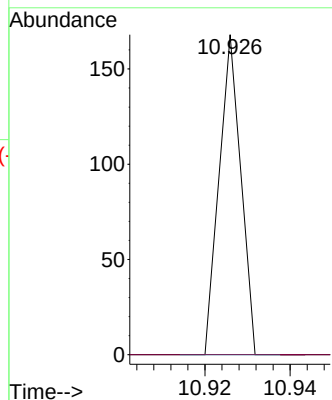
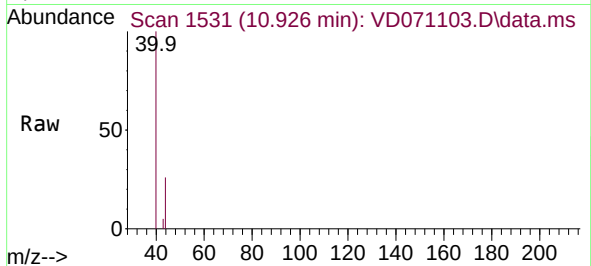




#59
2-Hexanone
Concen: 35.000 ug/l
RT: 10.926 min Scan# 11
Delta R.T. -0.053 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

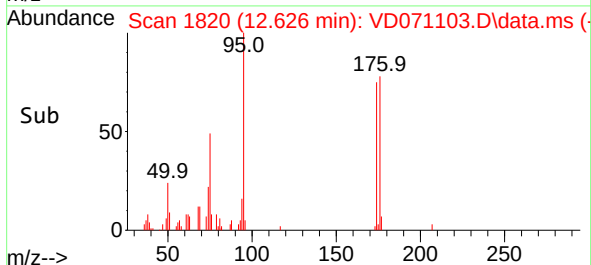
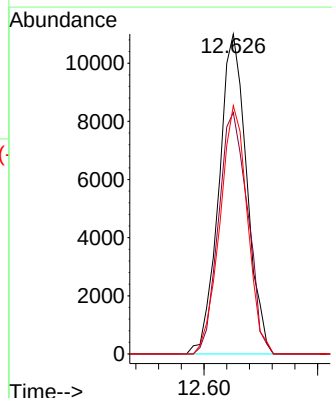
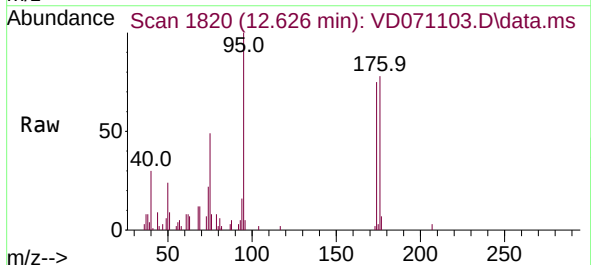
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

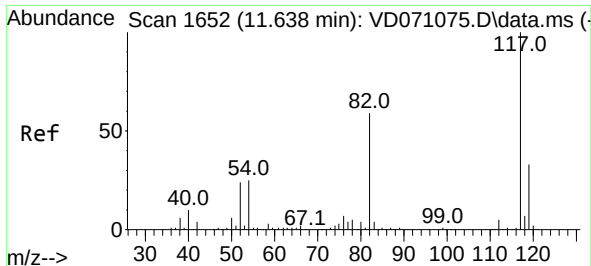
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 64.073 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 95 Resp: 18701
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.4
176 76.3 0.0 154.0

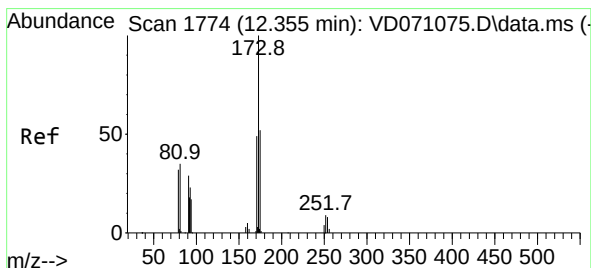
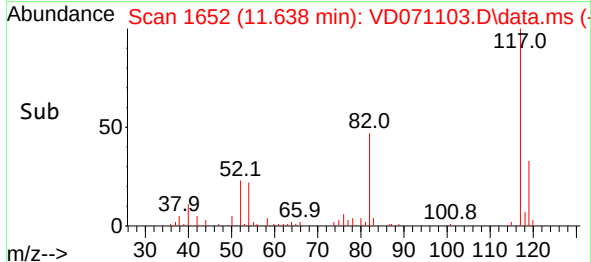
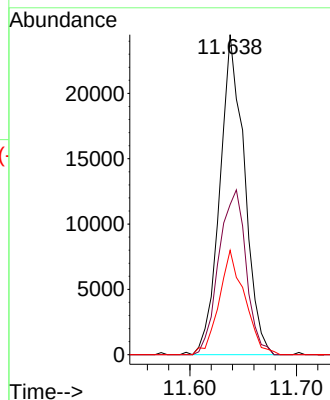
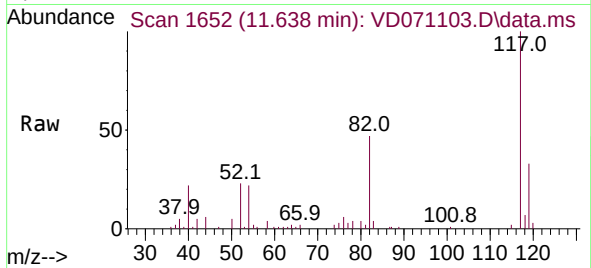




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

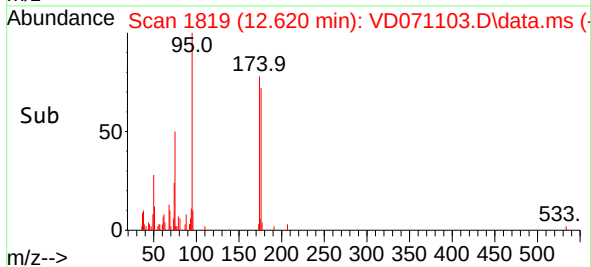
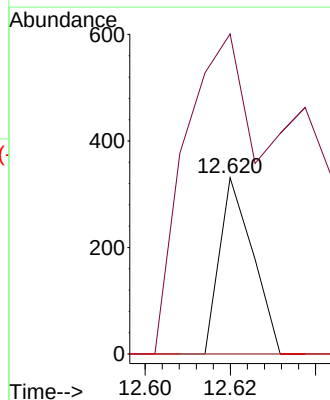
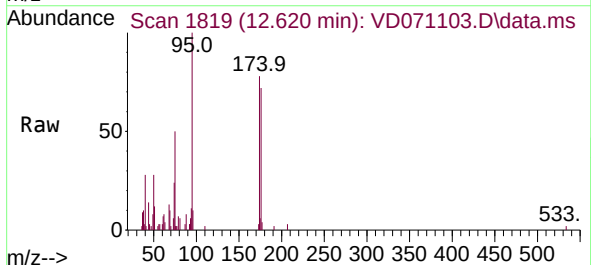
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

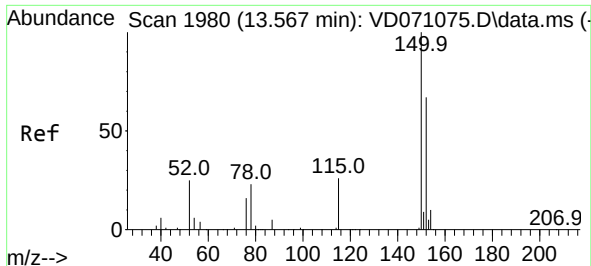
Tgt Ion:	117	Resp:	39272
Ion Ratio	Lower	Upper	
117	100		
82	46.9	44.7	67.1
119	32.6	26.2	39.4



#71
Bromoform
Concen: 1.306 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion:	173	Resp:	180
Ion Ratio	Lower	Upper	
173	100		
175	365.6	24.1	72.2#
254	0.0	0.1	0.1#

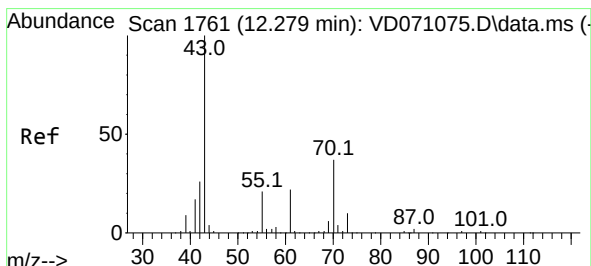
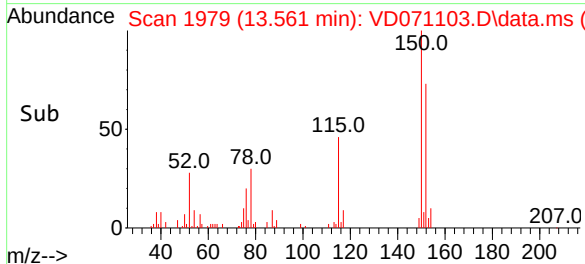
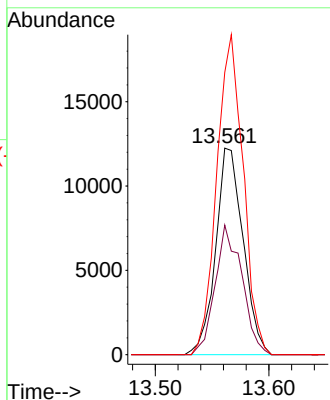
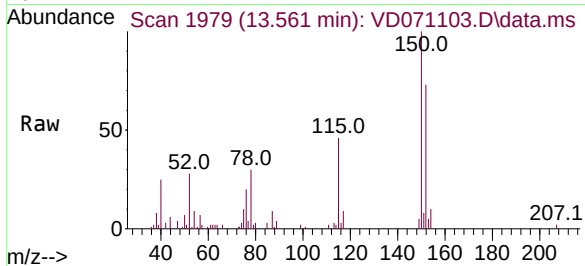




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

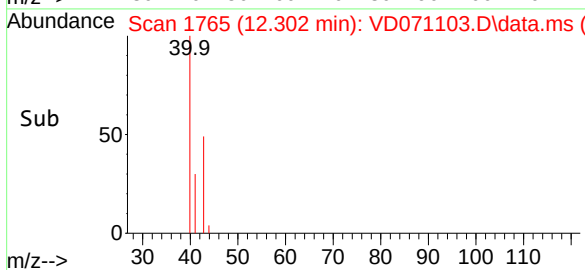
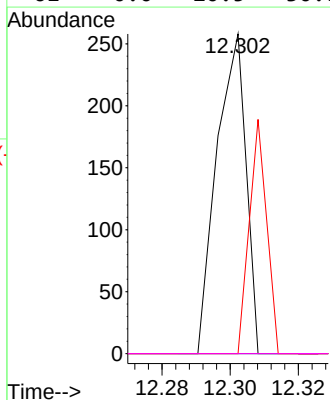
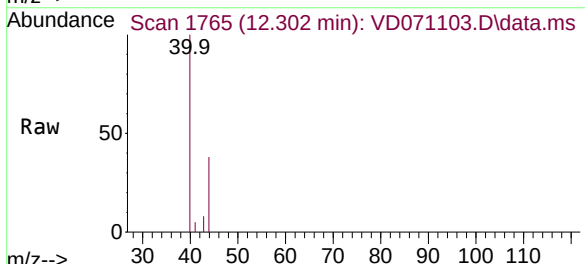
Instrument :
MSVOA_D
ClientSampleId :
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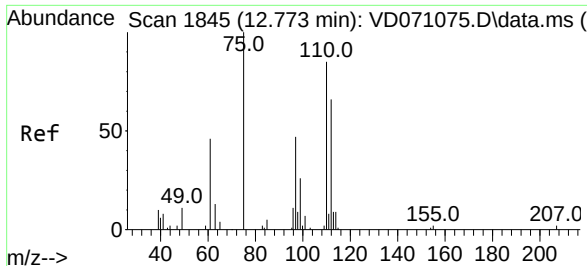
Tgt Ion:152 Resp: 20606
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 149.1 0.0 349.2



#74
N-ethyl acetate
Concen: 6.033 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 43.8 22.5 33.7#
61 0.0 20.5 30.7#

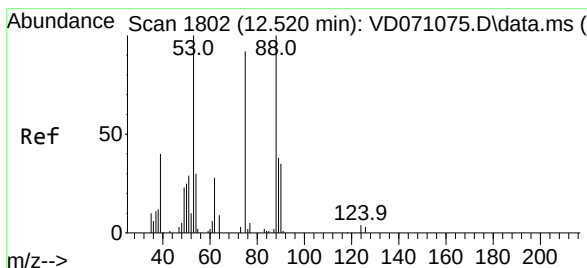
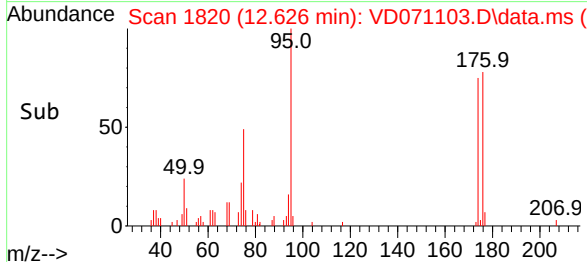
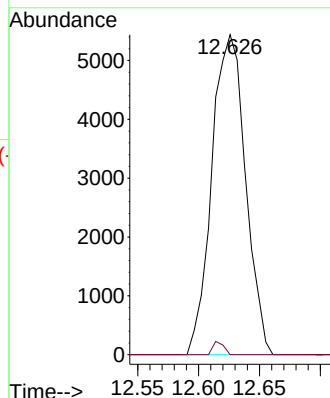
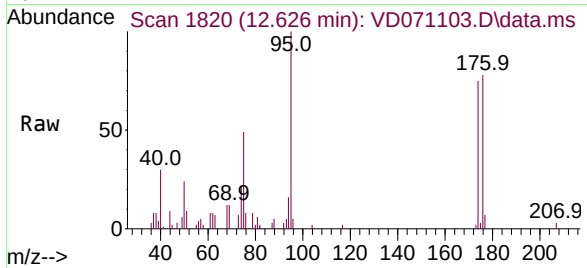




#76
1,2,3-Trichloropropane
Concen: 53.320 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

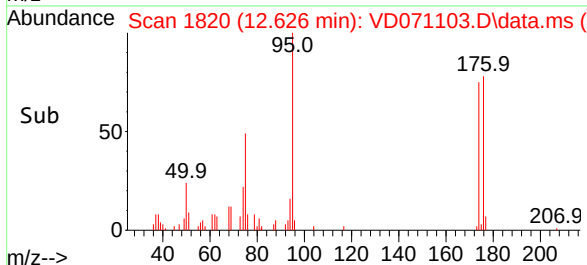
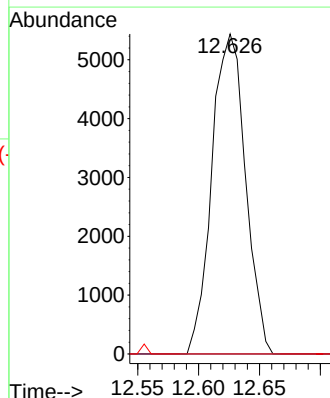
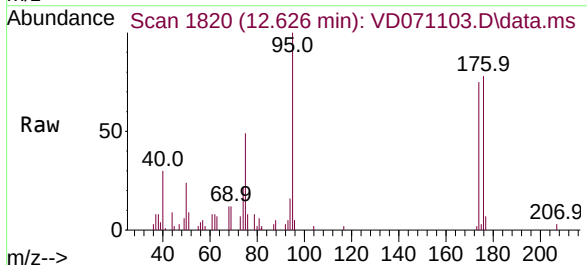
Instrument :
MSVOA_D
ClientSampleId :
TR-05-113021

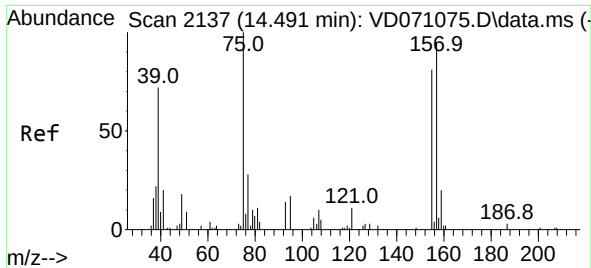
Tgt Ion: 75 Resp: 10468
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.084 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071103.D
Acq: 01 Dec 2021 13:29

Tgt Ion: 75 Resp: 10468
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.524 ug/l

RT: 14.220 min Scan# 20

Delta R.T. -0.271 min

Lab File: VD071103.D

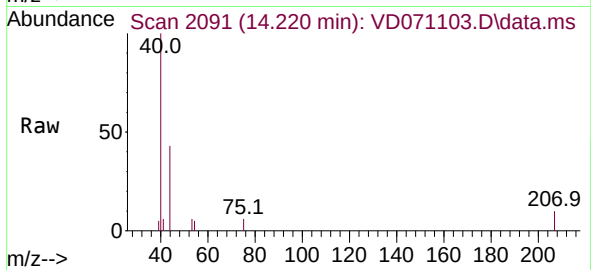
Acq: 01 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 40.0 120.0#

157 0.0 49.8 149.3#

