

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
 Data File : VD071449.D
 Acq On : 23 Dec 2021 18:09
 Operator : VA/SY
 Sample : M5044-02
 Misc : 5.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DA-2-4.5

Quant Time: Dec 24 03:32:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

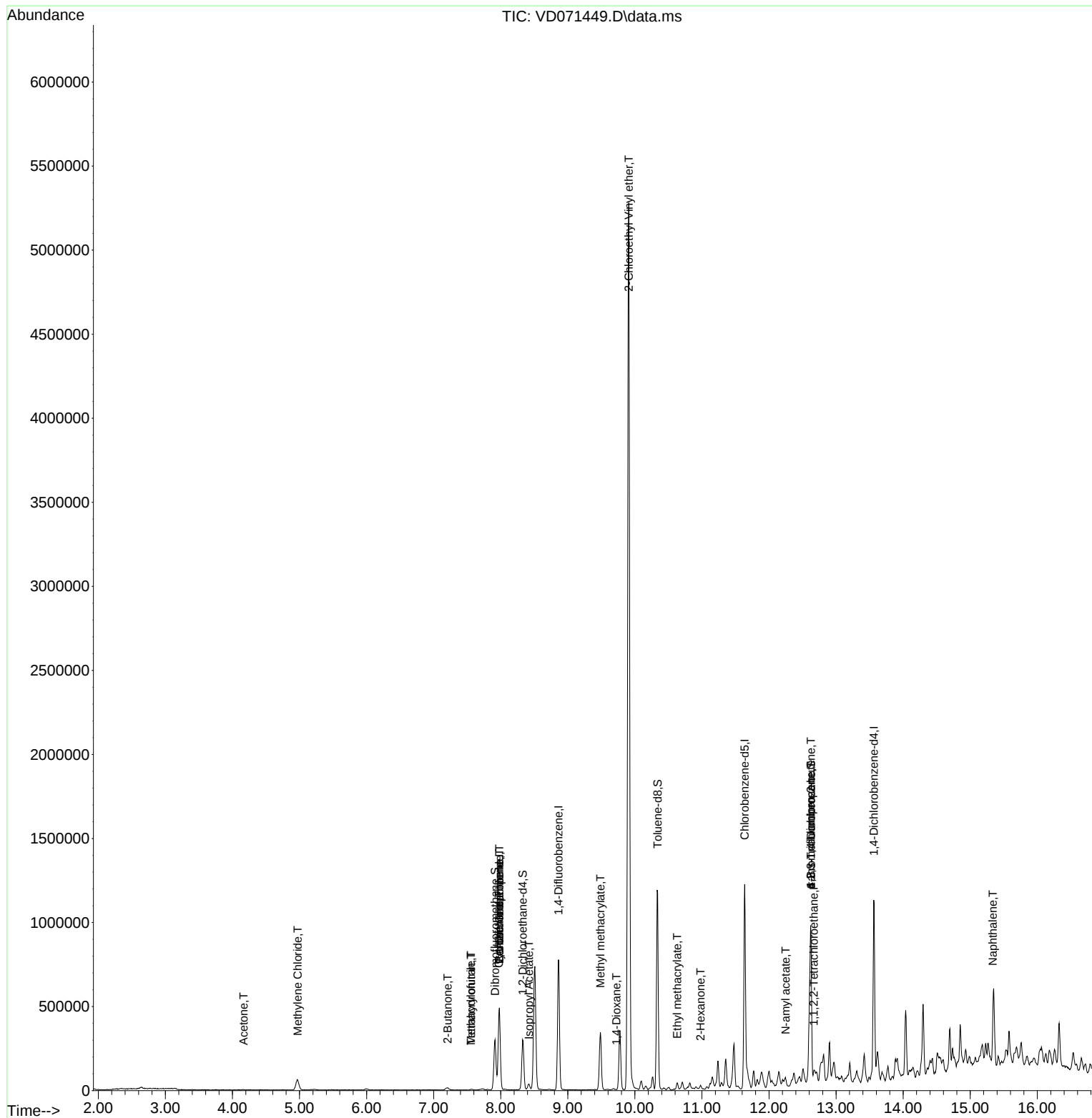
Internal Standards						
1) Pentafluorobenzene	7.979	168	330277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	571425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234689	53.504	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%			
35) Dibromofluoromethane	7.914	113	202352	48.439	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.880%			
50) Toluene-d8	10.338	98	771520	48.872	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.626	95	275072	49.034	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.215	59	3819	Below Cal		96
16) Acetone	4.167	43	3189	2.894 ug/l #		40
20) Methylene Chloride	4.973	84	44105	4.458 ug/l		89
25) 2-Butanone	7.208	43	5033	3.824 ug/l #		45
29) Tetrahydrofuran	7.556	42	982	1.243 ug/l #		34
31) Cyclohexane	7.973	56	10053	1.349 ug/l #		22
36) 1,1-Dichloropropene	7.979	75	29625	4.439 ug/l #		50
38) Carbon Tetrachloride	7.979	117	36465	5.538 ug/l #		18
41) Methacrylonitrile	7.556	41	2250	1.229 ug/l #		12
43) Isopropyl Acetate	8.420	43	7656	1.252 ug/l #		52
48) Methyl methacrylate	9.485	41	96553	31.909 ug/l #		38
49) 1,4-Dioxane	9.726	88	56	1.927 ug/l #		23
56) Ethyl methacrylate	10.632	69	11311	2.633 ug/l		94
58) 2-Chloroethyl Vinyl ether	9.908	63	7555	3.671 ug/l #		49
59) 2-Hexanone	10.979	43	4617	2.030 ug/l #		42
74) N-amyl acetate	12.249	43	9716	1.804 ug/l #		27
75) 1,1,2,2-Tetrachloroethane	12.667	83	11924	3.286 ug/l #		25
76) 1,2,3-Trichloropropane	12.626	75	156834	50.695 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	156834	143.239 ug/l #		18
95) Naphthalene	15.337	128	10124	1.143 ug/l #		1

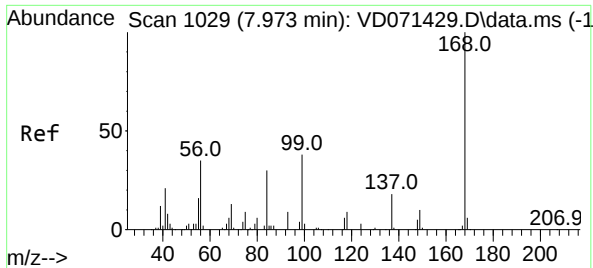
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

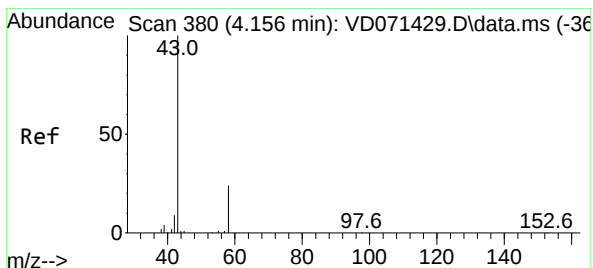
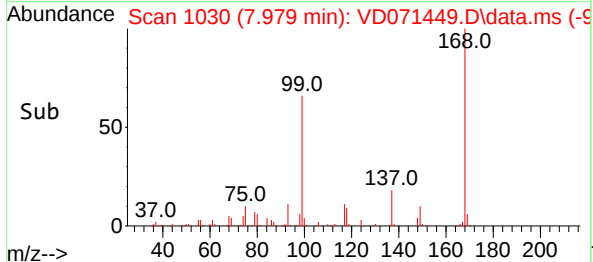
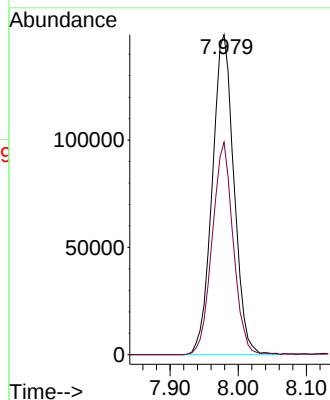
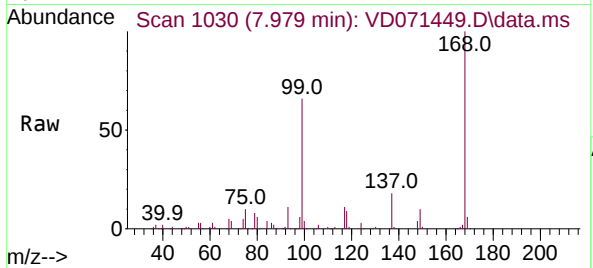




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

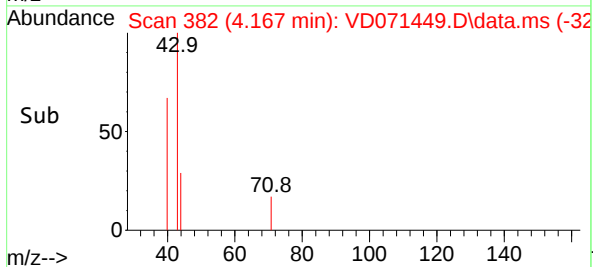
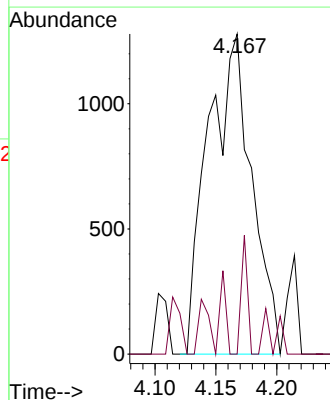
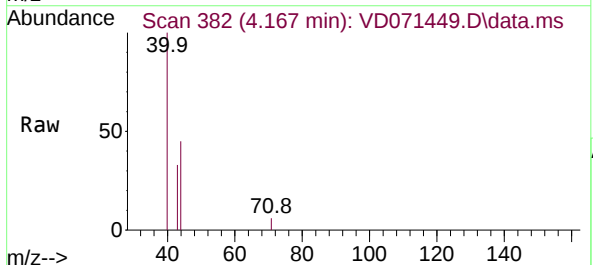
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

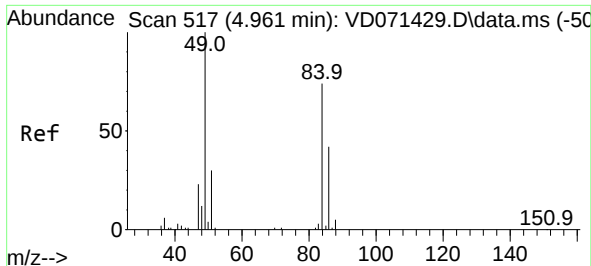
Tgt Ion:168 Resp: 330277
Ion Ratio Lower Upper
168 100
99 66.4 46.6 69.8



#16
Acetone
Concen: 2.894 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion: 43 Resp: 3189
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

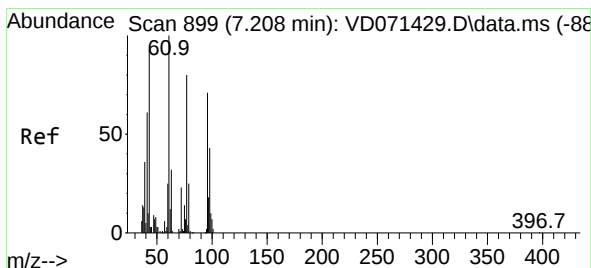
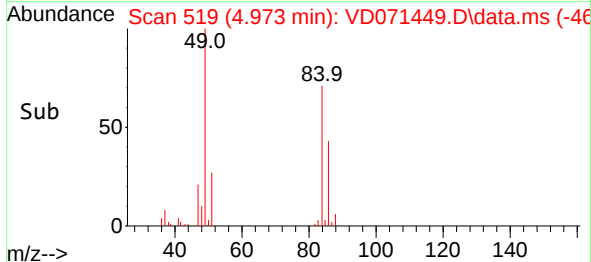
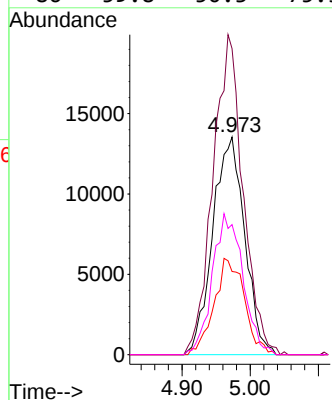
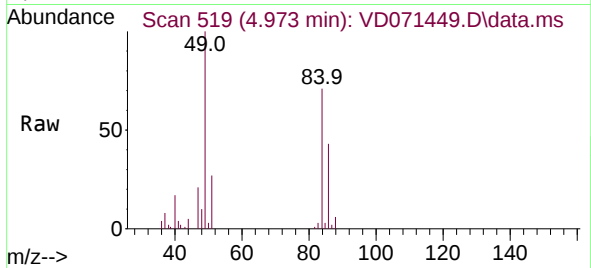




#20
Methylene Chloride
Concen: 4.458 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

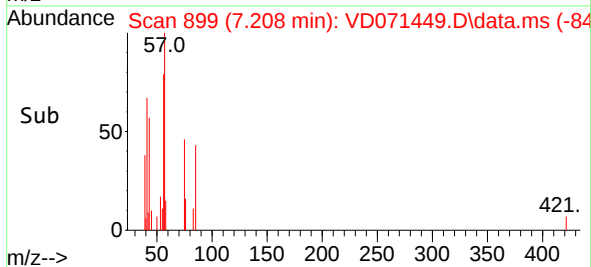
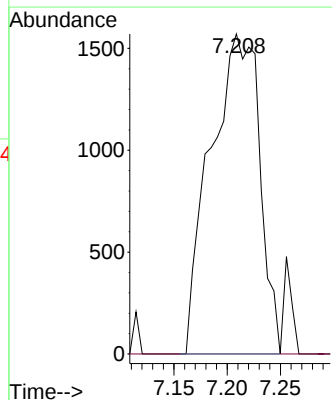
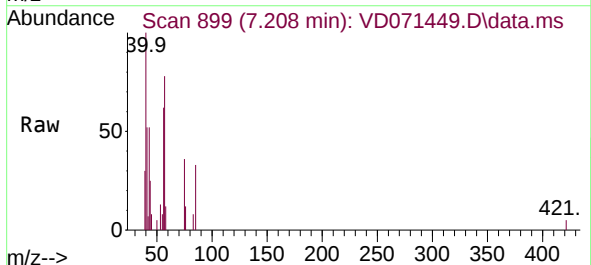
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

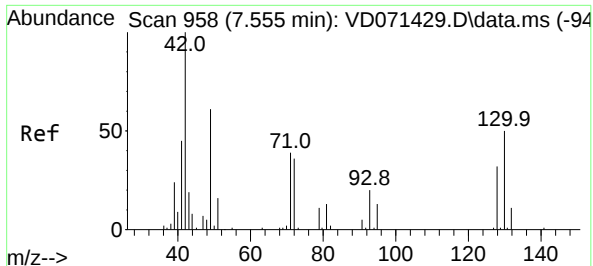
Tgt Ion:	84	Resp:	44105
Ion	Ratio	Lower	Upper
84	100		
49	140.7	95.8	143.6
51	38.2	30.9	46.3
86	59.8	50.3	75.5



#25
2-Butanone
Concen: 3.824 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion:	43	Resp:	5033
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#29

Tetrahydrofuran

Concen: 1.243 ug/l

RT: 7.556 min Scan# 91

Delta R.T. 0.001 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

Instrument :

MSVOA_D

ClientSampleId :

DA-2-4.5

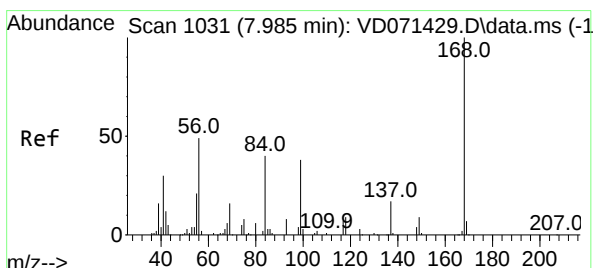
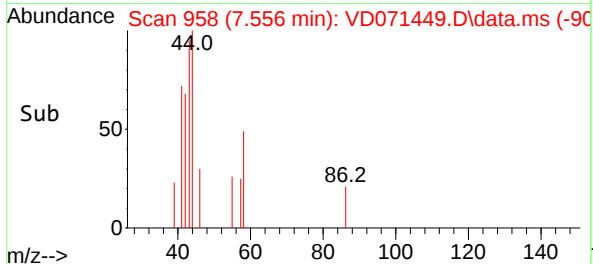
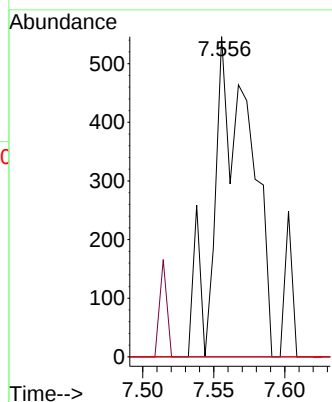
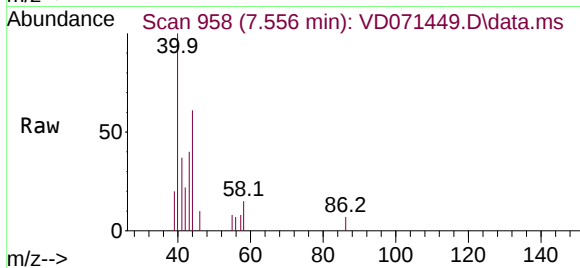
Tgt Ion: 42 Resp: 982

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

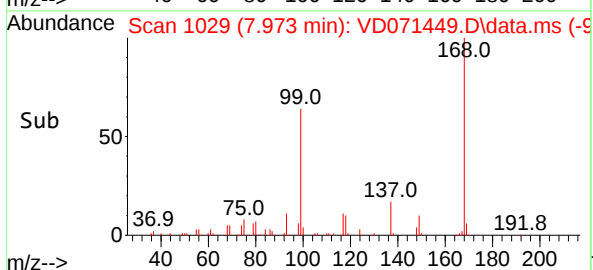
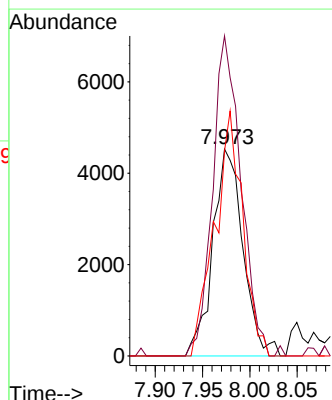
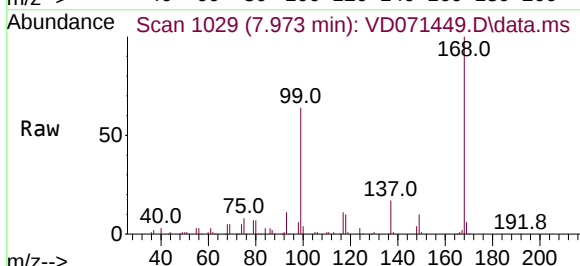
Tgt Ion: 56 Resp: 10053

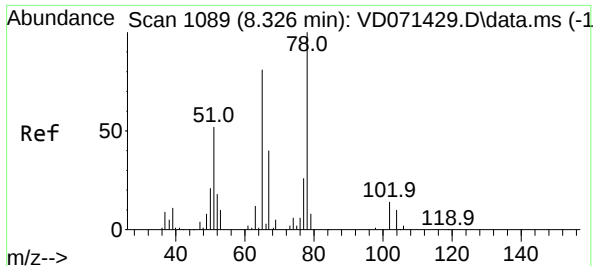
Ion Ratio Lower Upper

56 100

69 154.7 25.9 38.9#

84 99.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 53.504 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

Instrument :

MSVOA_D

ClientSampleId :

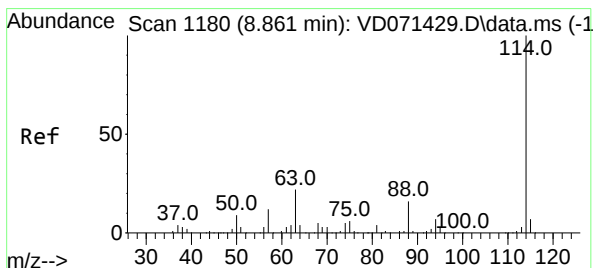
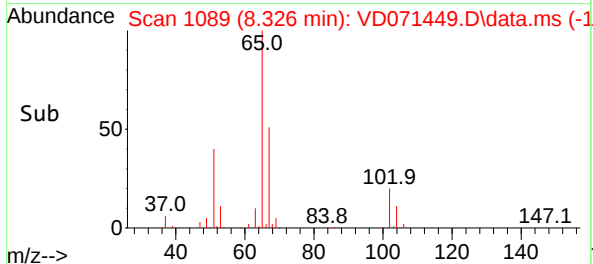
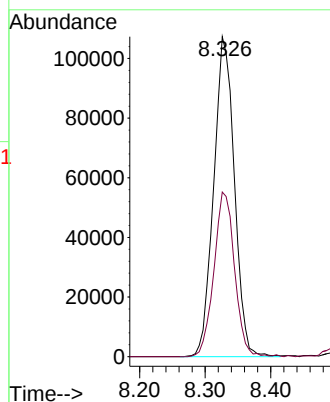
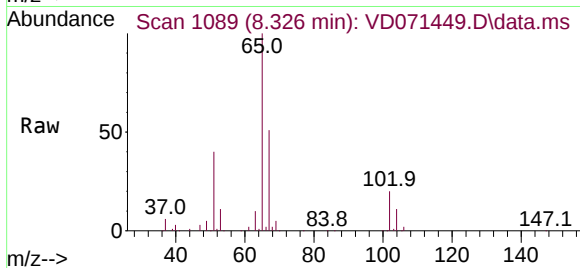
DA-2-4.5

Tgt Ion: 65 Resp: 234689

Ion Ratio Lower Upper

65 100

67 51.3 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

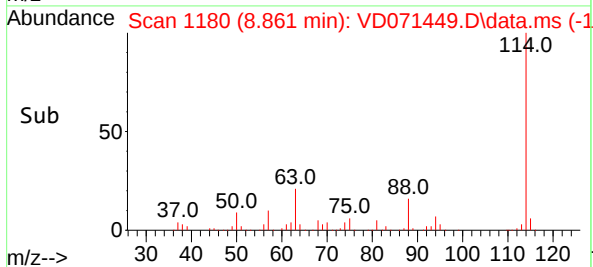
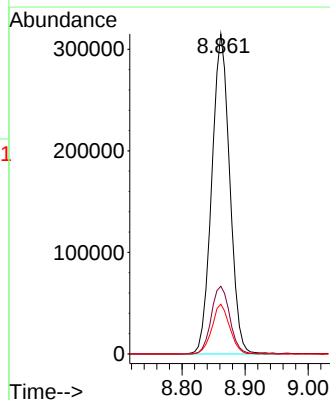
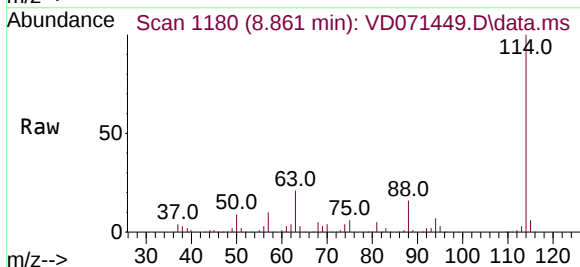
Tgt Ion: 114 Resp: 621571

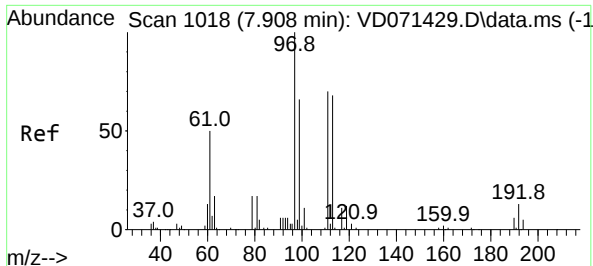
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.439 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

Instrument :

MSVOA_D

ClientSampleId :

DA-2-4.5

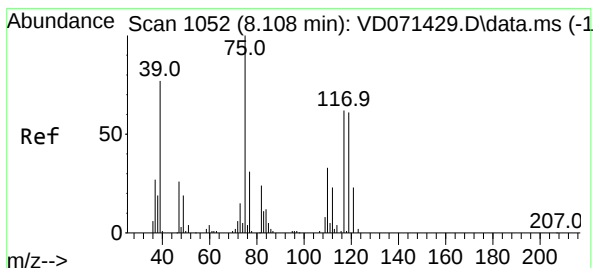
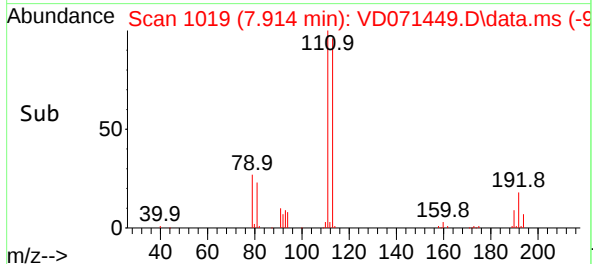
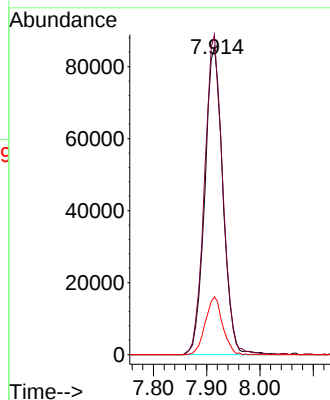
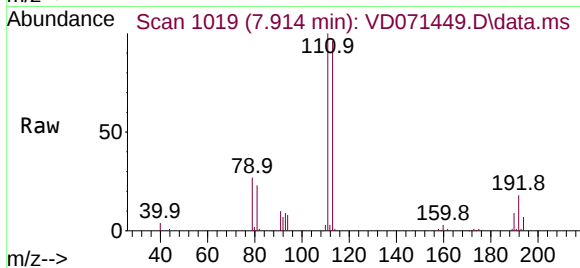
Tgt Ion:113 Resp: 202352

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

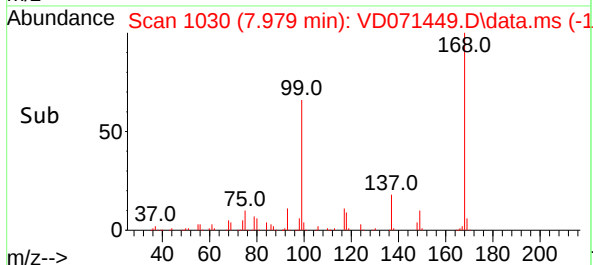
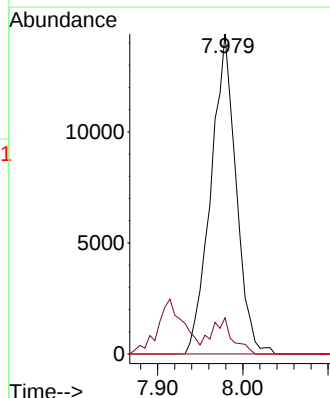
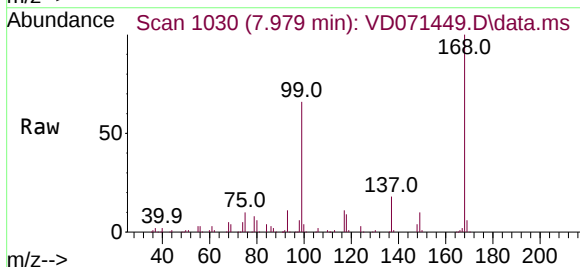
Tgt Ion: 75 Resp: 29625

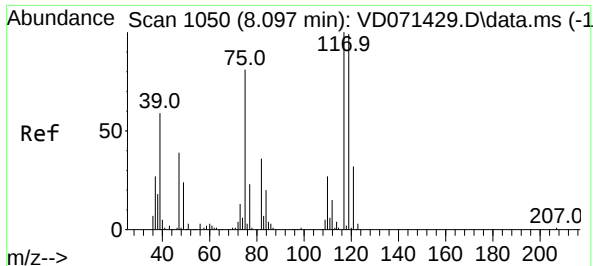
Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.4#

77 0.0 24.8 37.2#

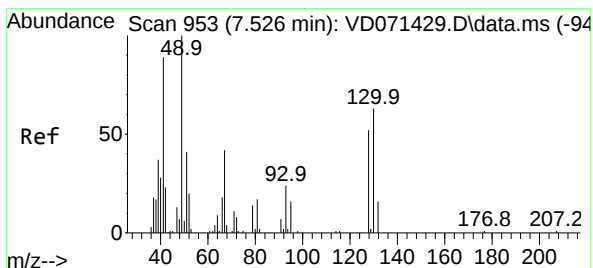
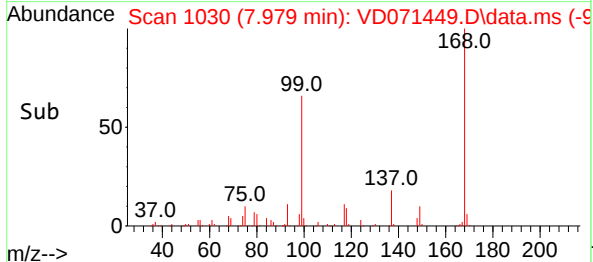
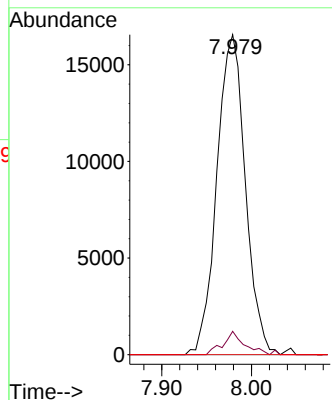
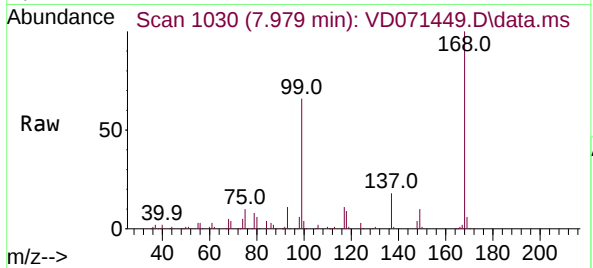




#38
Carbon Tetrachloride
Concen: 5.538 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

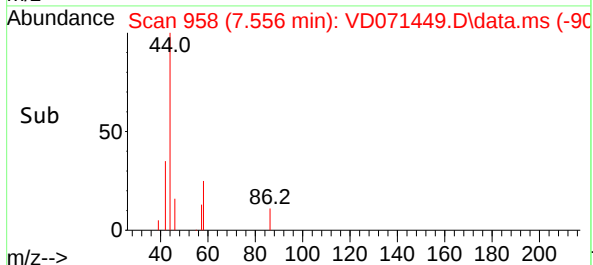
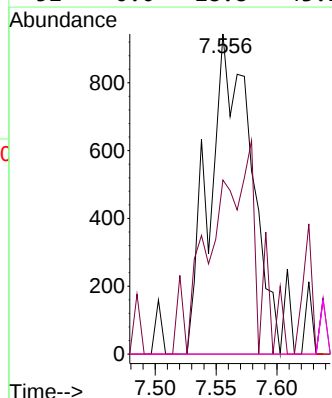
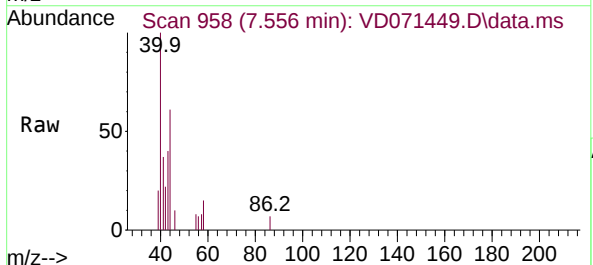
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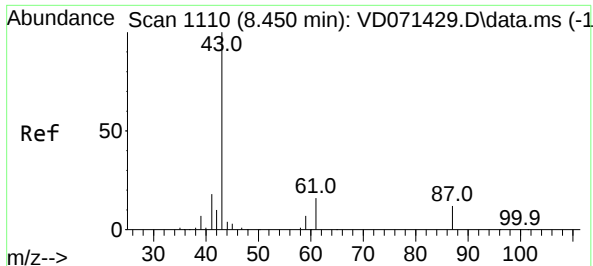
Tgt Ion:117 Resp: 36465
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.229 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.030 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion: 41 Resp: 2250
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#43

Isopropyl Acetate

Concen: 1.252 ug/l

RT: 8.420 min Scan# 1110

Delta R.T. -0.030 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

Instrument :

MSVOA_D

ClientSampleId :

DA-2-4.5

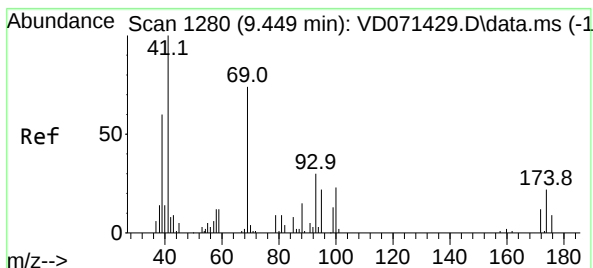
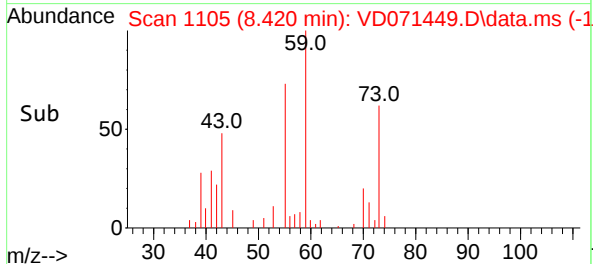
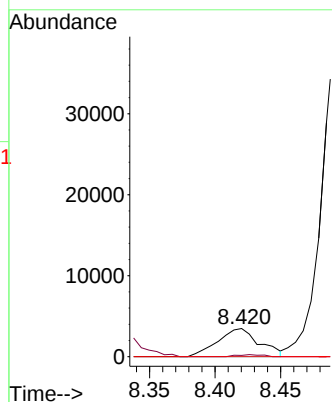
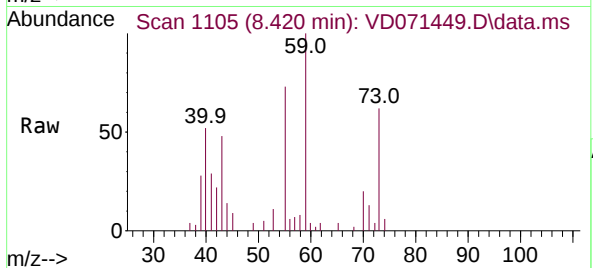
Tgt Ion: 43 Resp: 7656

Ion Ratio Lower Upper

43 100

61 4.5 28.2 42.4#

87 0.0 10.7 16.1#



#48

Methyl methacrylate

Concen: 31.909 ug/l

RT: 9.485 min Scan# 1286

Delta R.T. 0.036 min

Lab File: VD071449.D

Acq: 23 Dec 2021 18:09

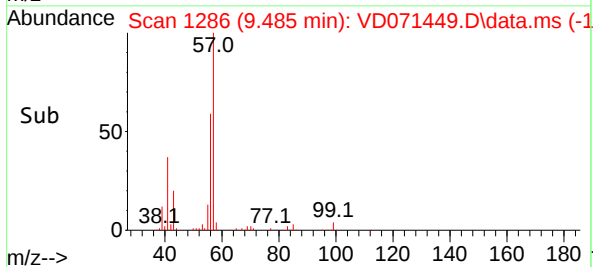
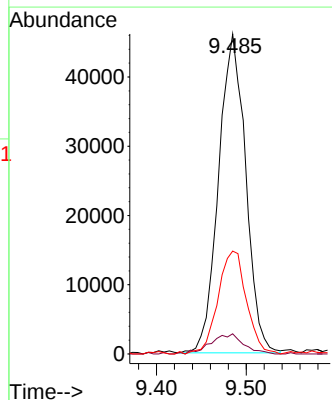
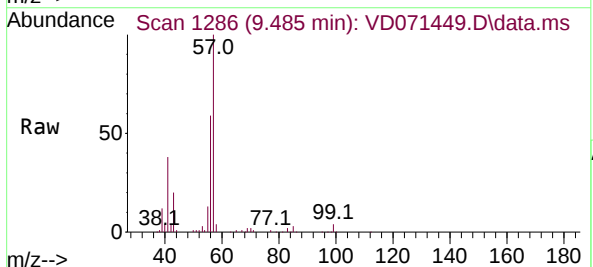
Tgt Ion: 41 Resp: 96553

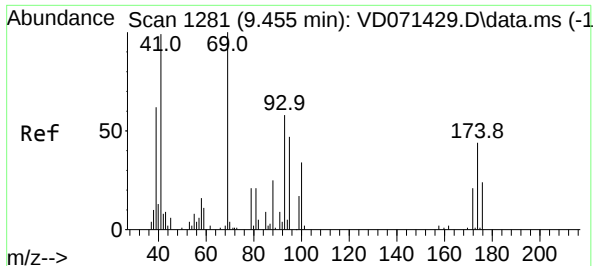
Ion Ratio Lower Upper

41 100

69 7.7 69.8 104.6#

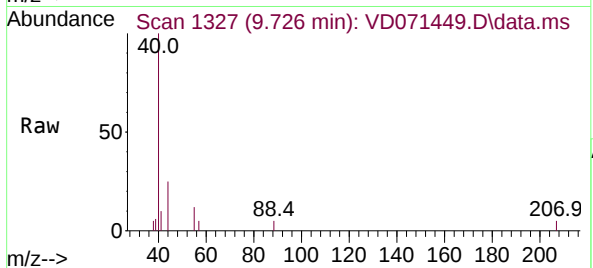
39 33.9 35.6 53.4#



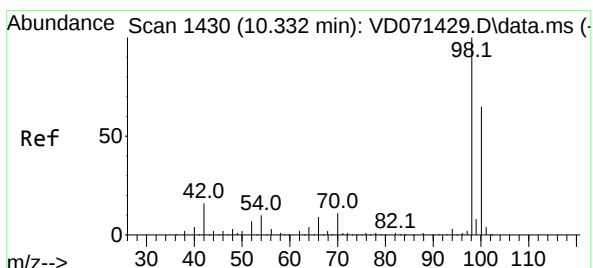
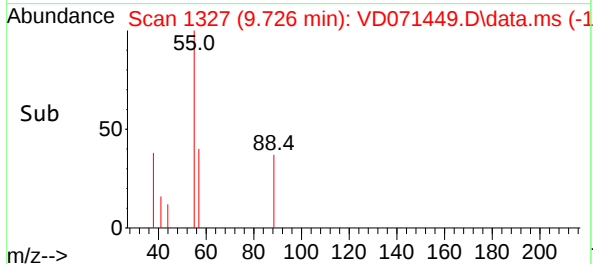
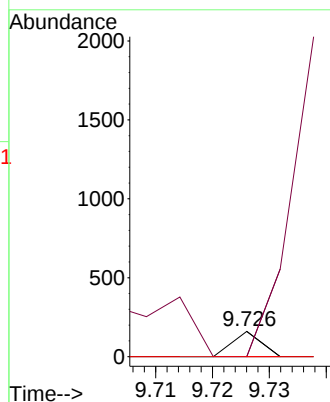


#49
1,4-Dioxane
Concen: 1.927 ug/l
RT: 9.726 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

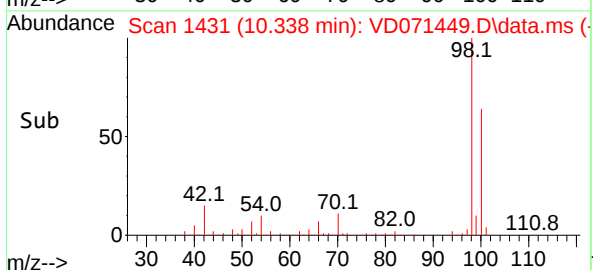
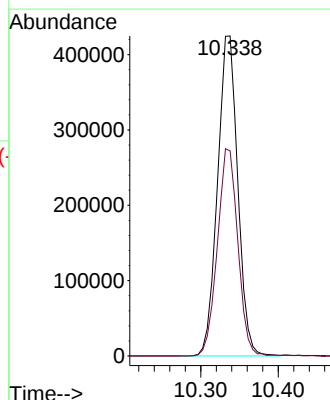
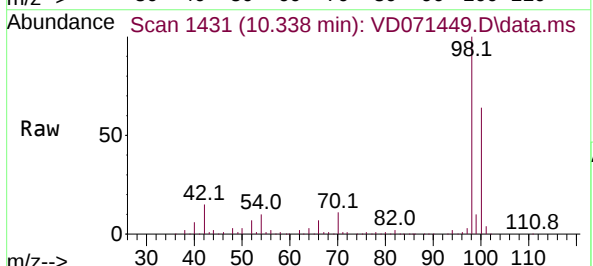


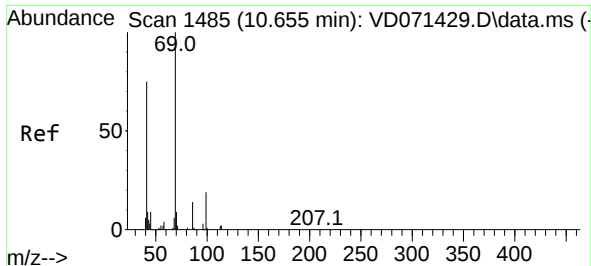
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 48.872 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion: 98 Resp: 771520
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

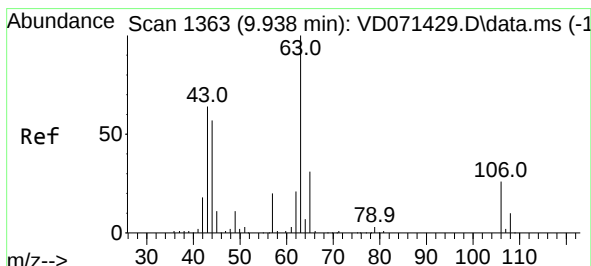
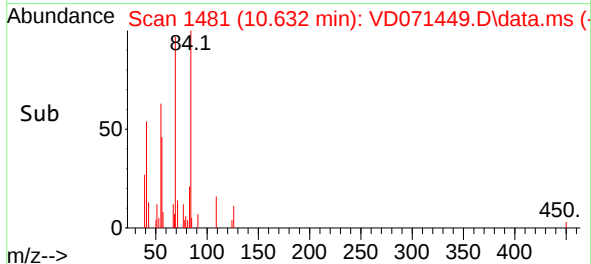
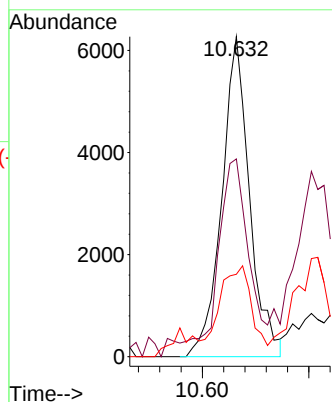
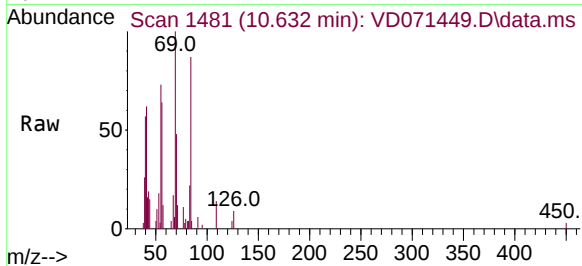




#56
Ethyl methacrylate
Concen: 2.633 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

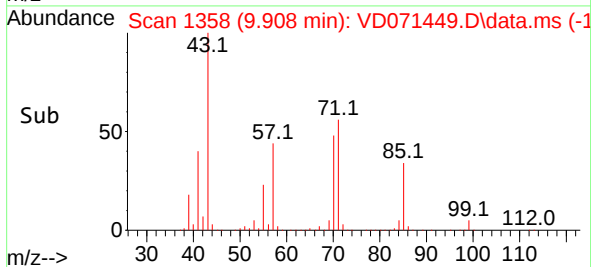
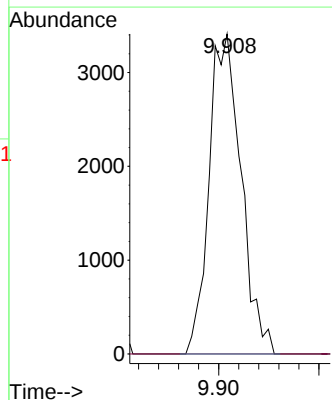
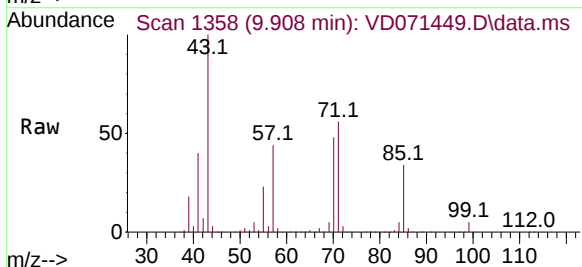
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

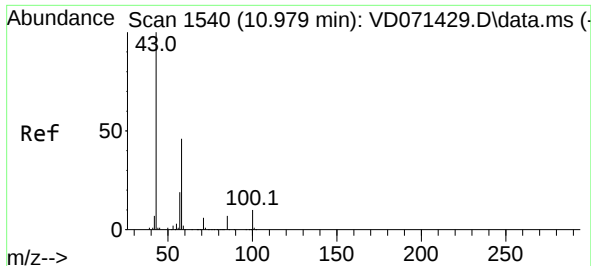
Tgt Ion: 69 Resp: 11311
Ion Ratio Lower Upper
69 100
41 57.4 50.2 75.2
39 26.1 19.8 29.8



#58
2-Chloroethyl Vinyl ether
Concen: 3.671 ug/l
RT: 9.908 min Scan# 1358
Delta R.T. -0.030 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion: 63 Resp: 7555
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#

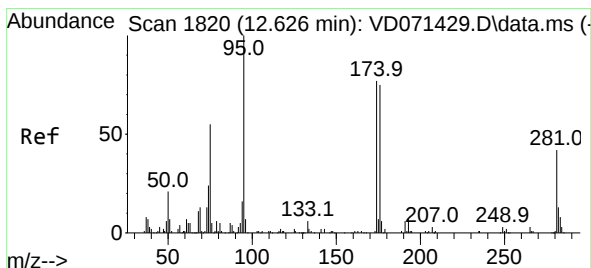
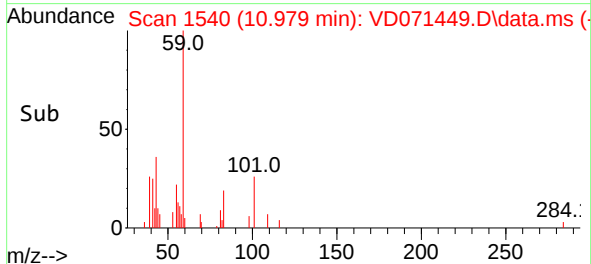
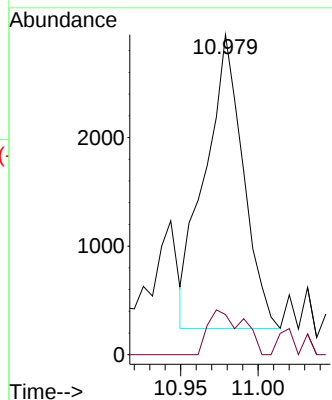
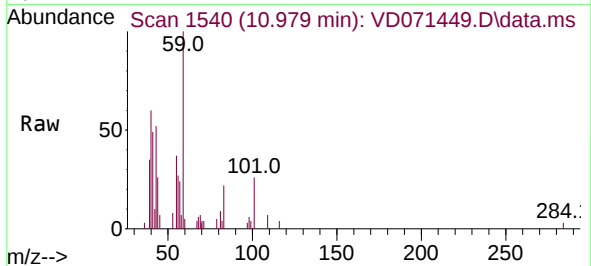




#59
2-Hexanone
Concen: 2.030 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

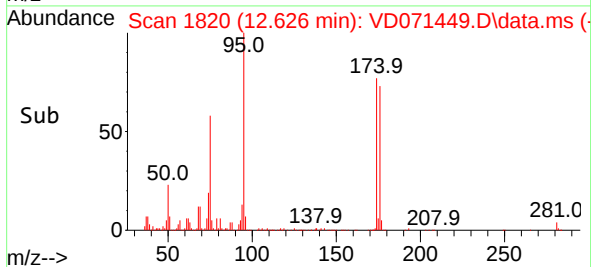
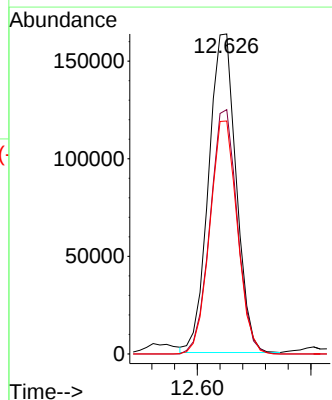
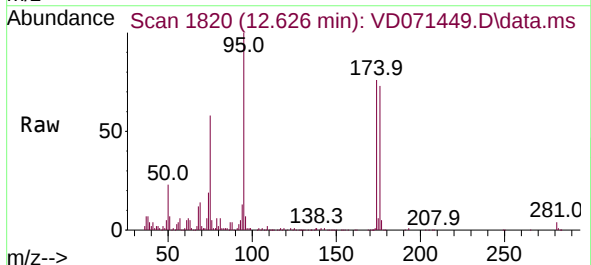
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

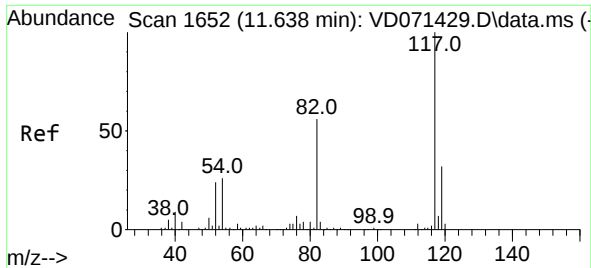
Tgt Ion: 43 Resp: 4617
Ion Ratio Lower Upper
43 100
58 14.2 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 49.034 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion: 95 Resp: 275072
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 72.8 0.0 154.0

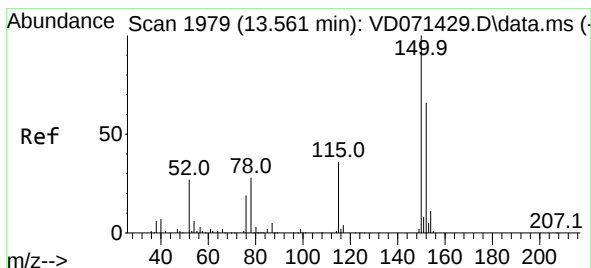
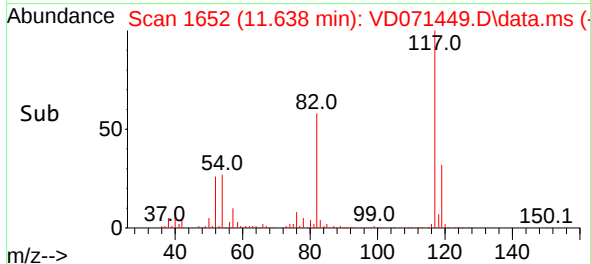
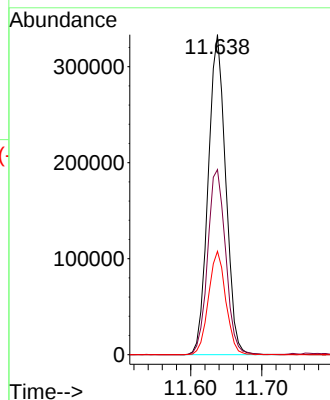
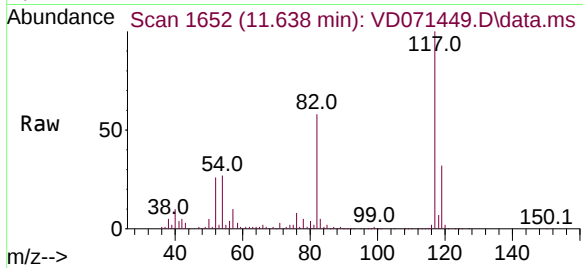




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

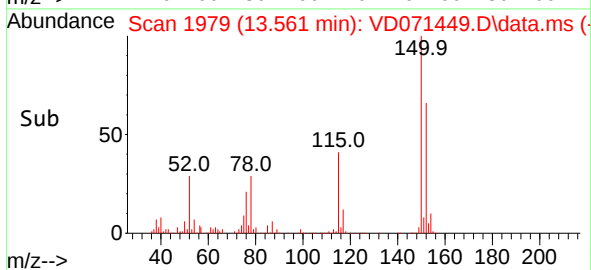
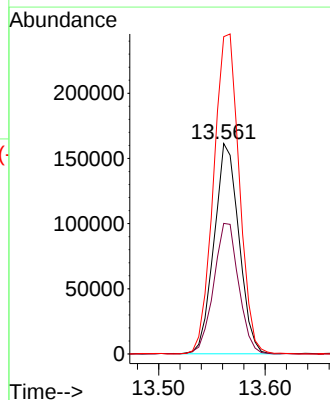
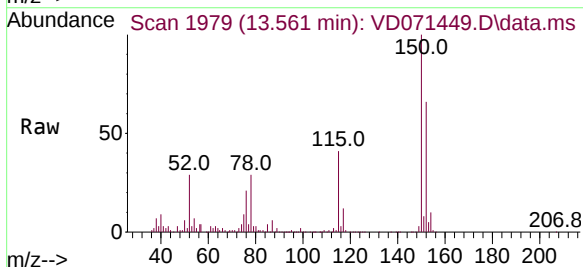
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

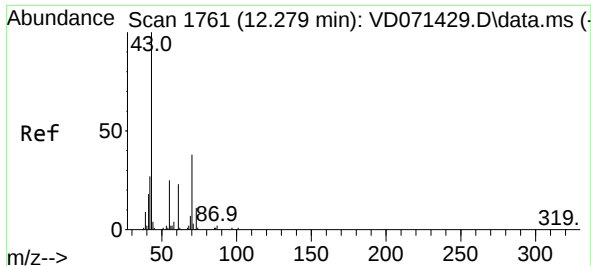
Tgt Ion:117	Resp: 571425
Ion Ratio	Lower Upper
117 100	
82 57.9	44.7 67.1
119 32.3	26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion:152	Resp: 260373
Ion Ratio	Lower Upper
152 100	
115 62.7	29.8 89.3
150 157.8	0.0 349.2

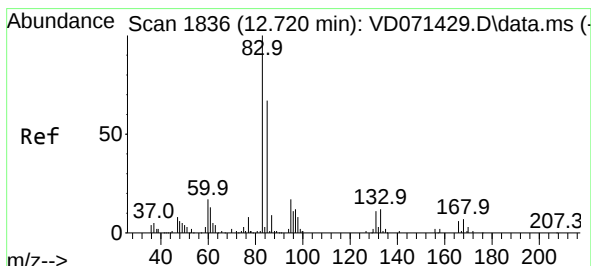
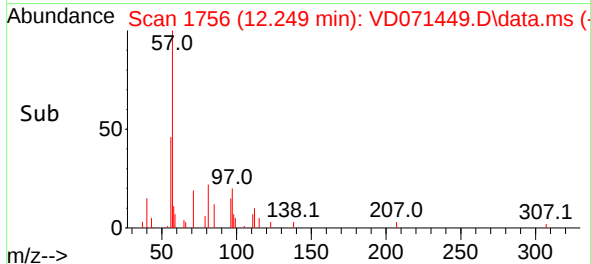
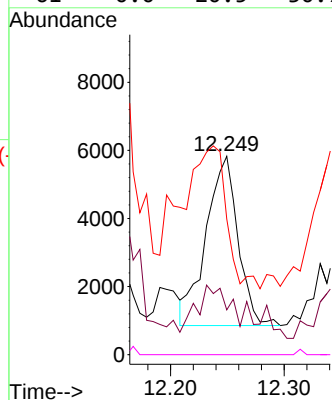
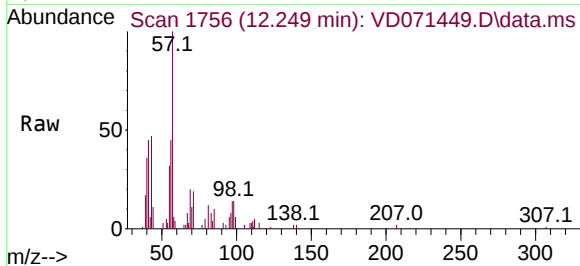




#74
N-amy1 acetate
Concen: 1.804 ug/l
RT: 12.249 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

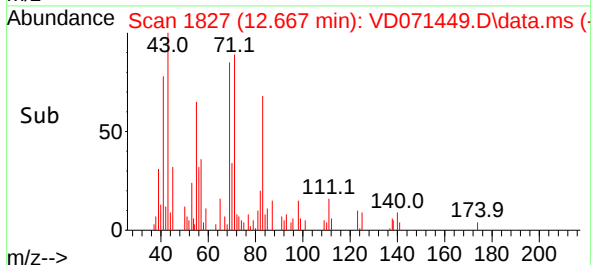
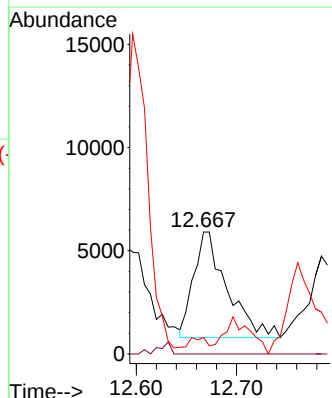
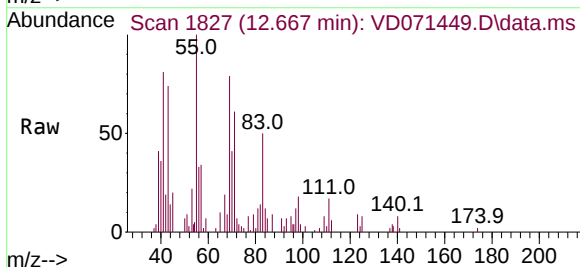
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

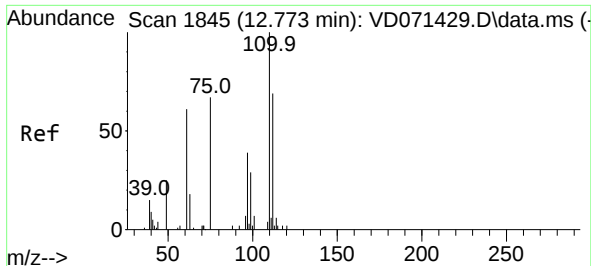
Tgt Ion:	43	Resp:	9716
Ion	Ratio	Lower	Upper
43	100		
70	31.8	36.6	55.0#
55	122.0	22.5	33.7#
61	0.0	20.5	30.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 3.286 ug/l
RT: 12.667 min Scan# 1827
Delta R.T. -0.053 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Tgt Ion:	83	Resp:	11924
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	0.0	32.0	96.2#

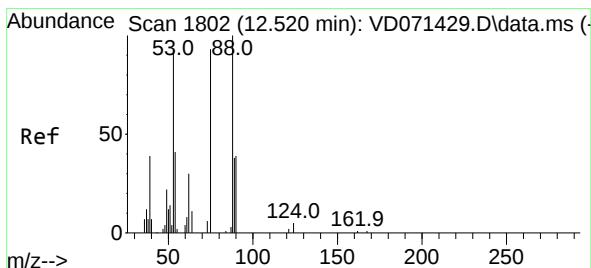
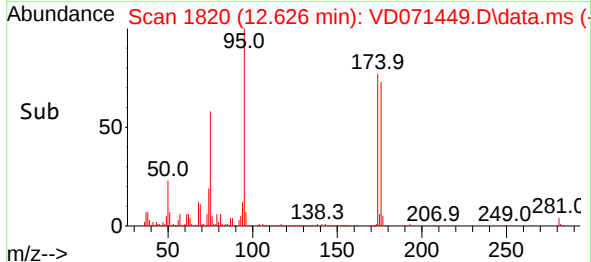
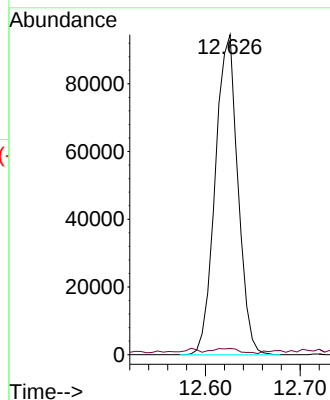
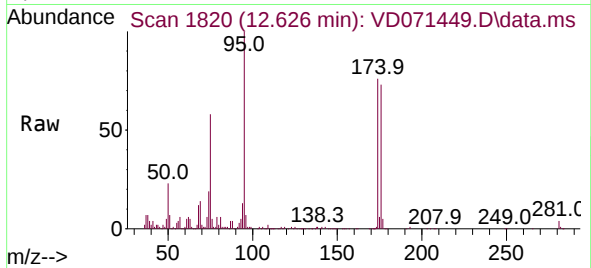




#76
1,2,3-Trichloropropane
Concen: 50.695 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

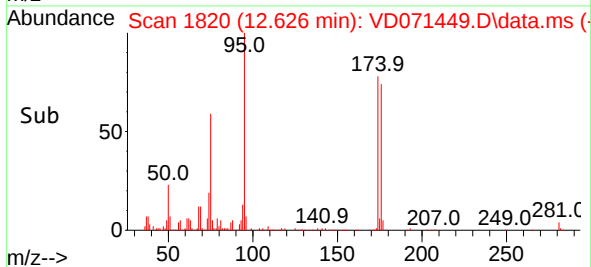
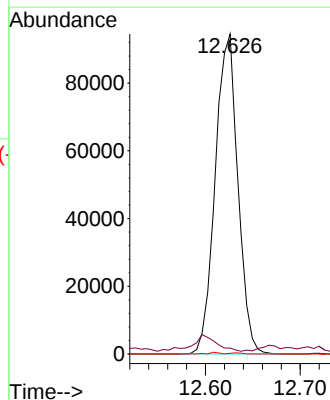
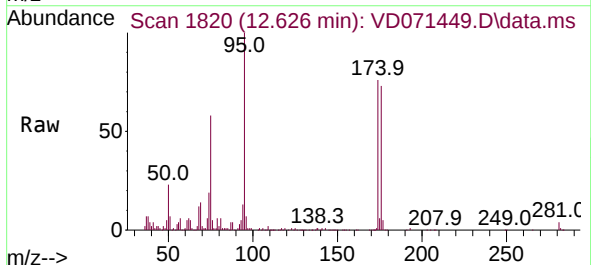
Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5

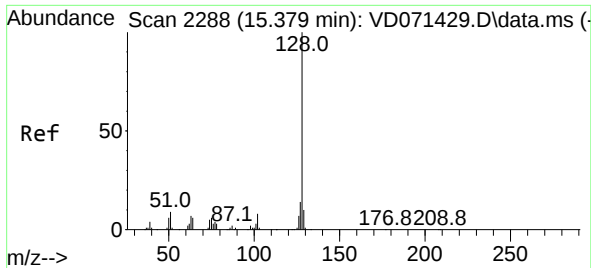
Tgt Ion: 75 Resp: 156834
Ion Ratio Lower Upper
75 100
77 1.9 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.239 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

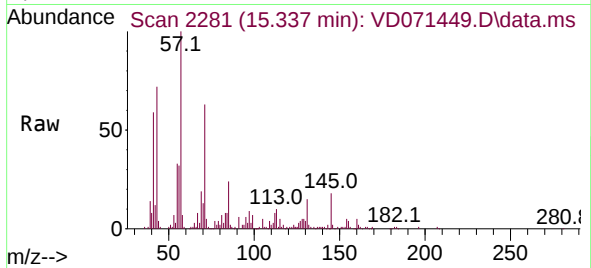
Tgt Ion: 75 Resp: 156834
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#





#95
Naphthalene
Concen: 1.143 ug/l
RT: 15.337 min Scan# 21
Delta R.T. -0.042 min
Lab File: VD071449.D
Acq: 23 Dec 2021 18:09

Instrument :
MSVOA_D
ClientSampleId :
DA-2-4.5



Tgt Ion:128 Resp: 10124
Ion Ratio Lower Upper
128 100
127 66.5 10.7 16.1#
129 47.6 8.7 13.1#

