

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071272.D
 Acq On : 11 Dec 2021 16:20
 Operator : VA/SY
 Sample : M5018-29RE
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 17:54:18 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)

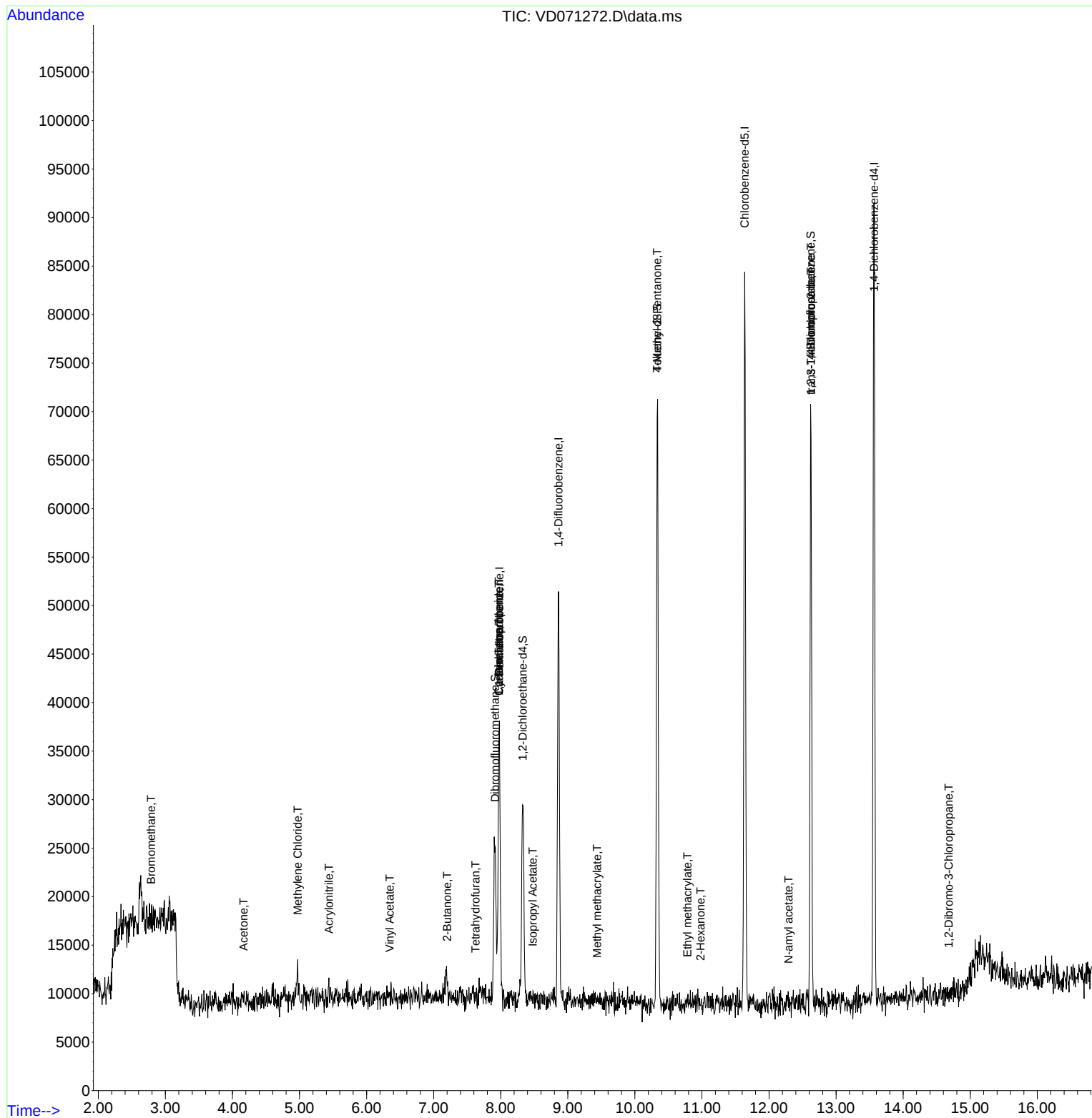
Internal Standards						
1) Pentafluorobenzene	7.979	168	19815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	32477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	39799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	20558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	16420	70.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.240%			
35) Dibromofluoromethane	7.914	113	12149	58.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.480%			
50) Toluene-d8	10.332	98	41584	52.837	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.620	95	20158	73.890	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 147.780%#			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	193	1.073	ug/l #	3
11) Tert butyl alcohol	5.215	59	117	Below Cal	#	71
15) Acrylonitrile	5.438	53	65	1.459	ug/l #	19
16) Acetone	4.168	43	1667	54.471	ug/l #	40
20) Methylene Chloride	4.973	84	1415	2.024	ug/l #	48
23) Vinyl Acetate	6.344	43	70	27.383	ug/l #	72
25) 2-Butanone	7.203	43	160	30.348	ug/l #	45
29) Tetrahydrofuran	7.626	42	59	1.598	ug/l #	34
31) Cyclohexane	7.973	56	685	1.732	ug/l #	19
36) 1,1-Dichloropropene	7.973	75	1740	5.732	ug/l #	41
38) Carbon Tetrachloride	7.973	117	2331	7.790	ug/l #	12
41) Methacrylonitrile	7.556	41	74	Below Cal	#	35
43) Isopropyl Acetate	8.479	43	144	5.670	ug/l #	47
48) Methyl methacrylate	9.438	41	154	1.200	ug/l #	34
51) 4-Methyl-2-Pentanone	10.332	43	296	32.408	ug/l #	1
56) Ethyl methacrylate	10.785	69	59	6.215	ug/l #	1
59) 2-Hexanone	10.979	43	58	35.023	ug/l #	22
74) N-amyl acetate	12.291	43	114	5.949	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	10072	51.422	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	10072	112.159	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.679	75	118	2.956	ug/l #	4

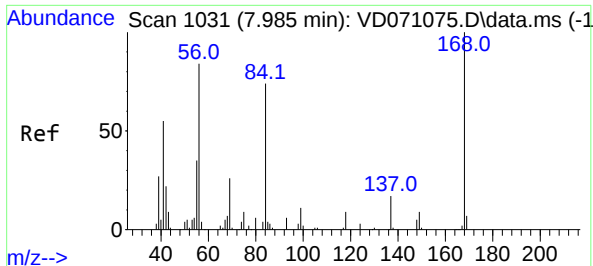
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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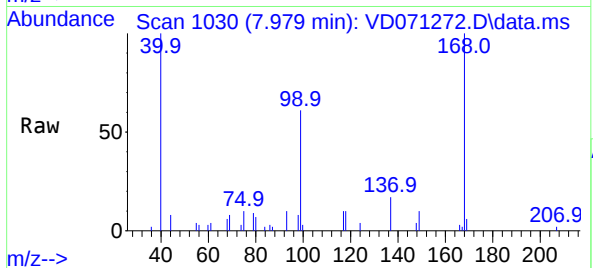
Quant Time: Dec 12 17:54:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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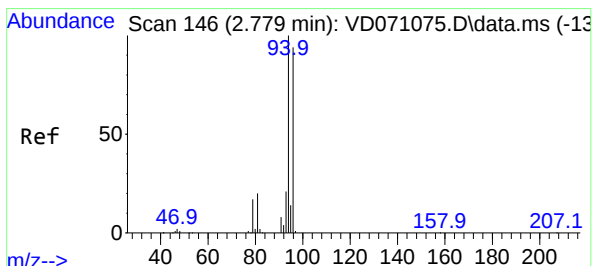
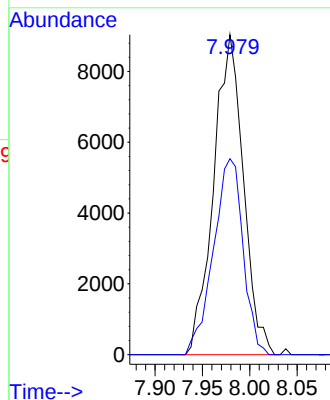
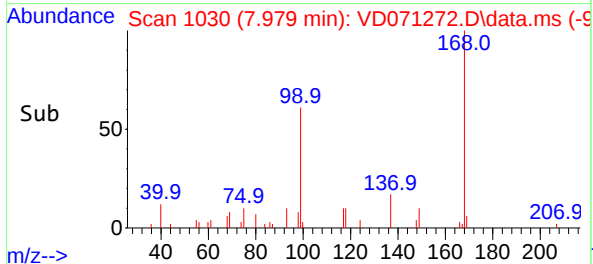


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

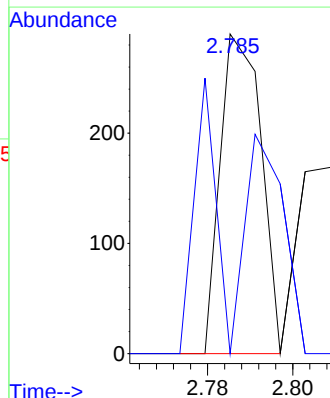
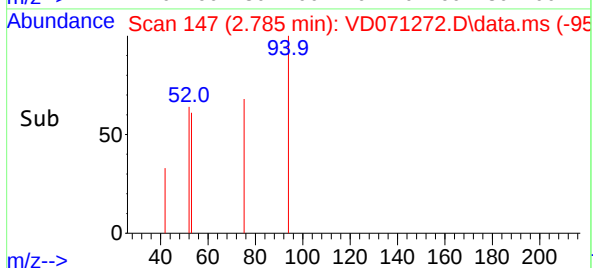
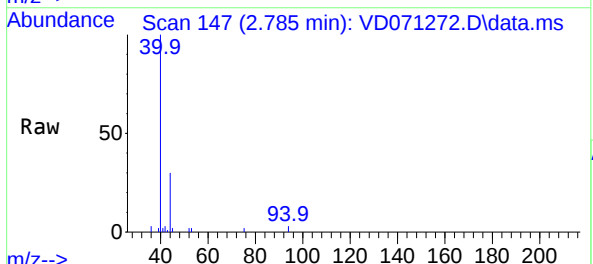


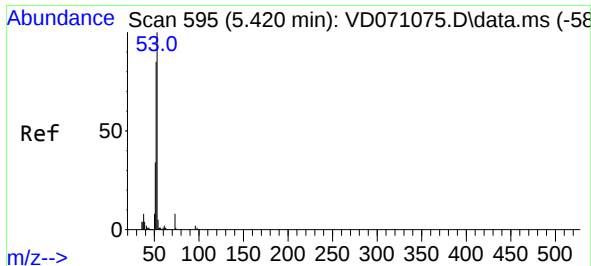
Tgt Ion:168 Resp: 19815
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#5
Bromomethane
Concen: 1.073 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.006 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

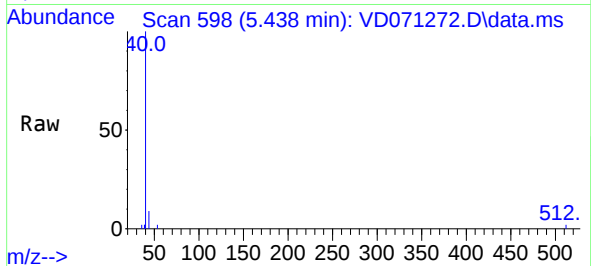
Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



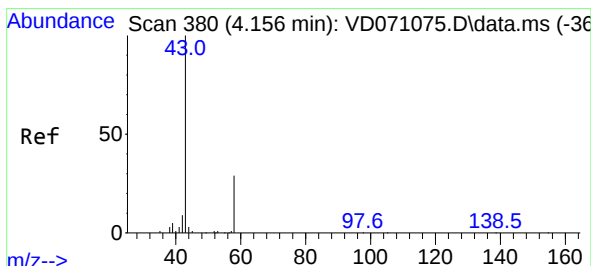
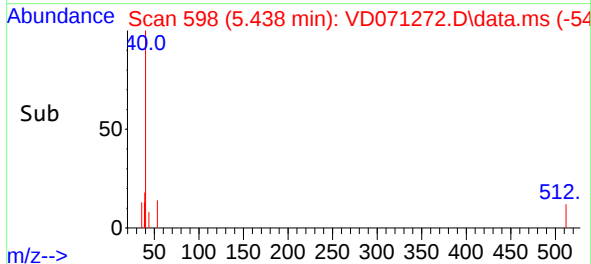
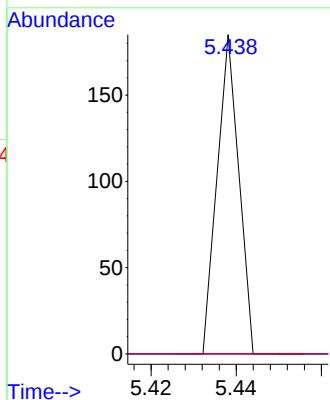


#15
Acrylonitrile
Concen: 1.459 ug/l
RT: 5.438 min Scan# 595
Delta R.T. 0.018 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

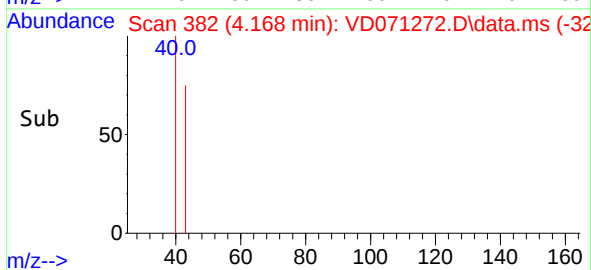
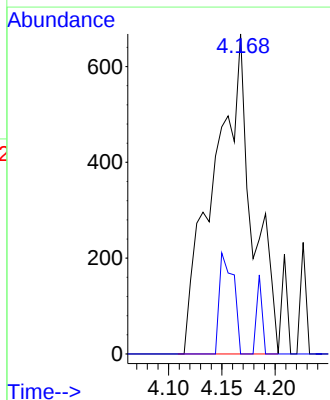
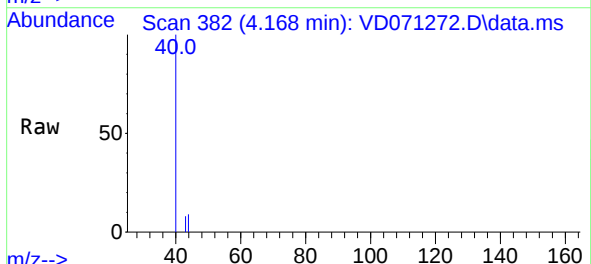


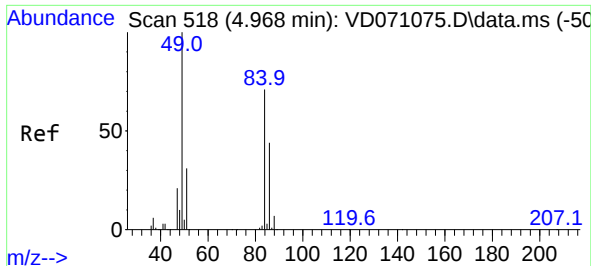
Tgt Ion: 53 Resp: 65
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 54.471 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

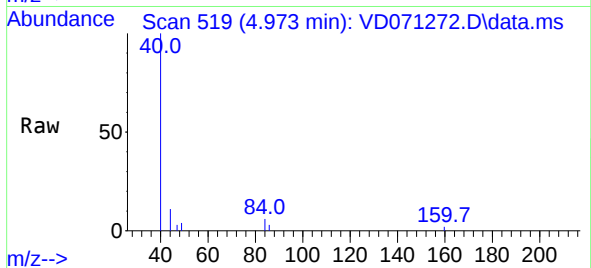
Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



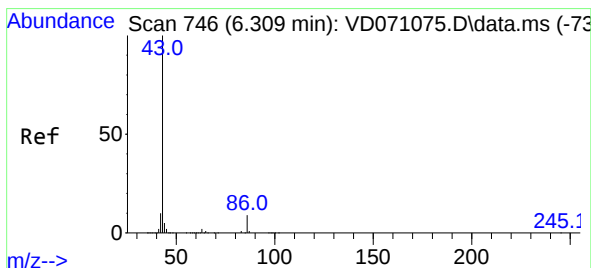
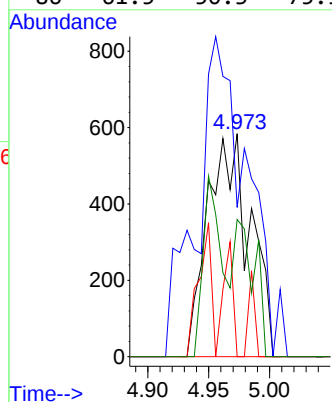
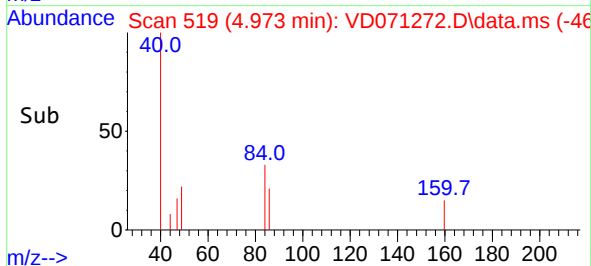


#20
Methylene Chloride
Concen: 2.024 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

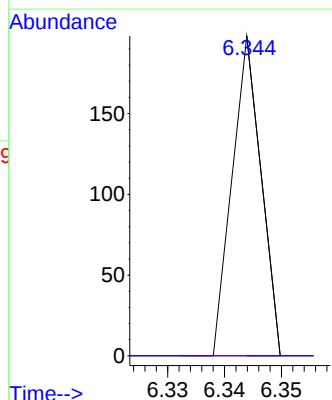
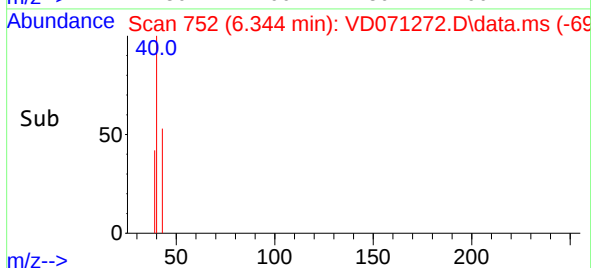
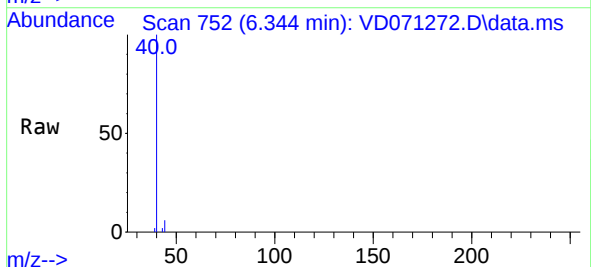


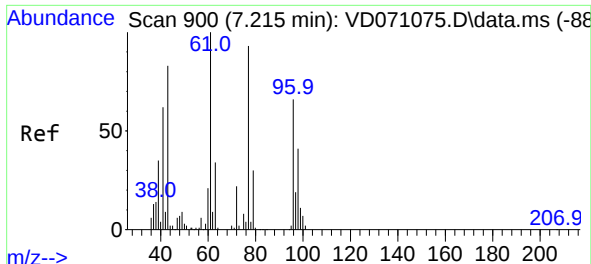
Tgt Ion: 84 Resp: 1415
Ion Ratio Lower Upper
84 100
49 36.8 95.8 143.6#
51 0.0 30.9 46.3#
86 61.5 50.3 75.5



#23
Vinyl Acetate
Concen: 27.383 ug/l
RT: 6.344 min Scan# 752
Delta R.T. 0.035 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

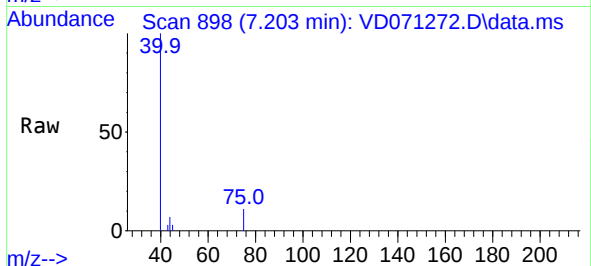
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



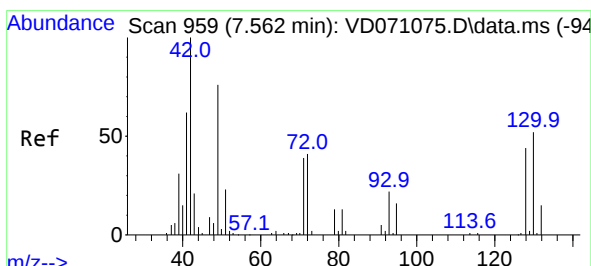
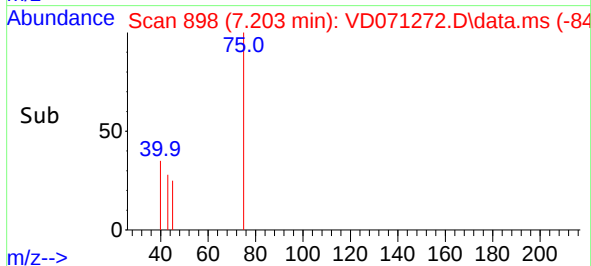
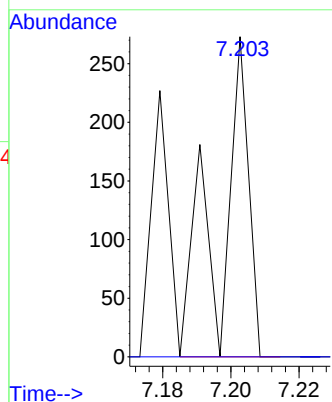


#25
2-Butanone
Concen: 30.348 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

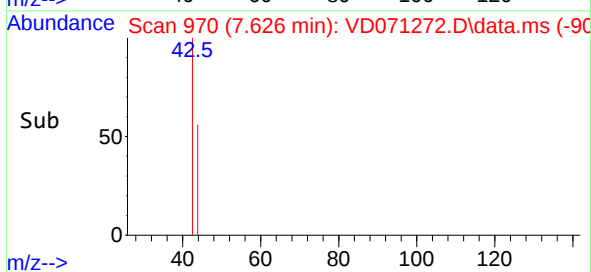
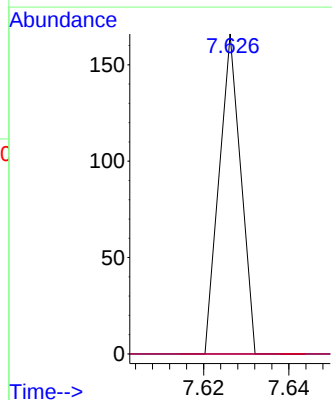
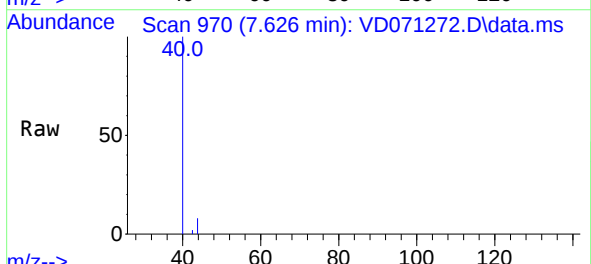


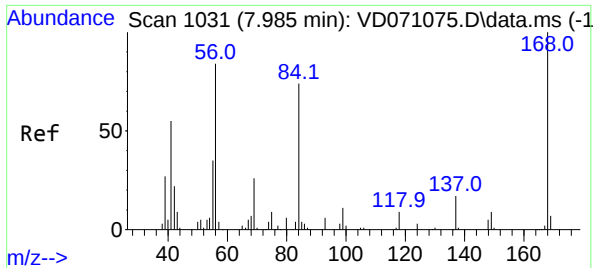
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.598 ug/l
RT: 7.626 min Scan# 970
Delta R.T. 0.064 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

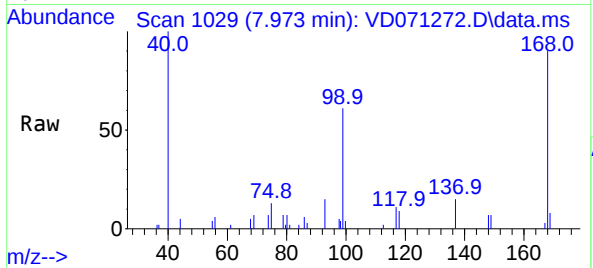
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



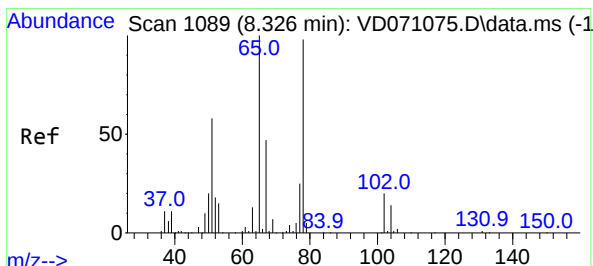
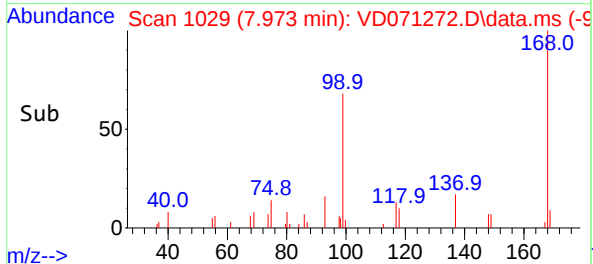
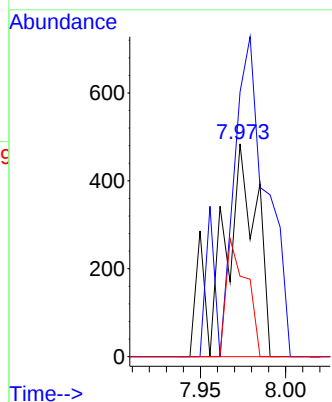


#31
Cyclohexane
Concen: 1.732 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :

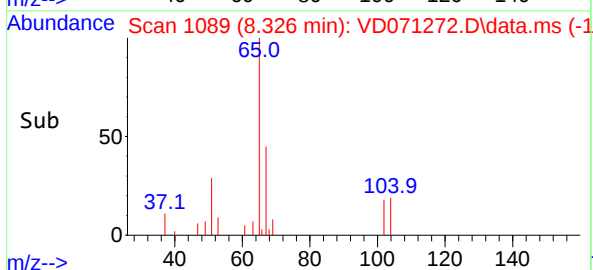
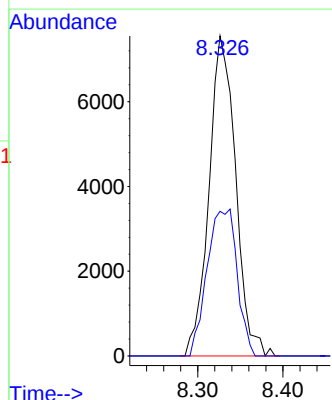
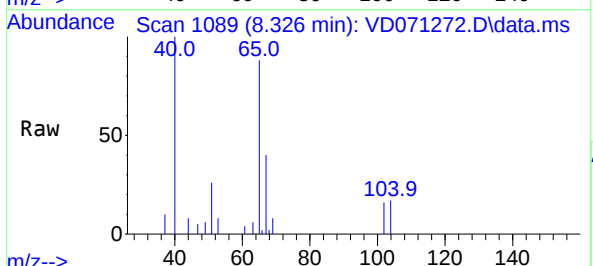


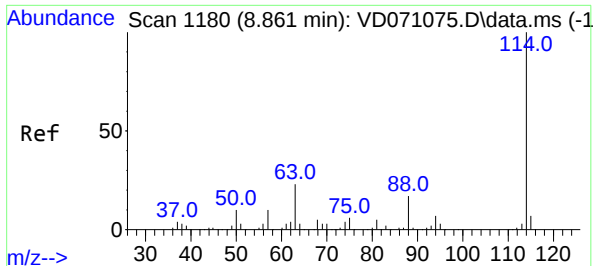
Tgt Ion: 56 Resp: 685
Ion Ratio Lower Upper
56 100
69 124.4 25.9 38.9#
84 37.8 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 70.622 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Tgt Ion: 65 Resp: 16420
Ion Ratio Lower Upper
65 100
67 51.4 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: VD071272.D

Acq: 11 Dec 2021 16:20

Instrument :

MSVOA_D

ClientSampleId :

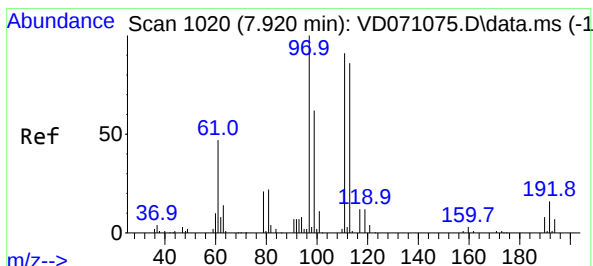
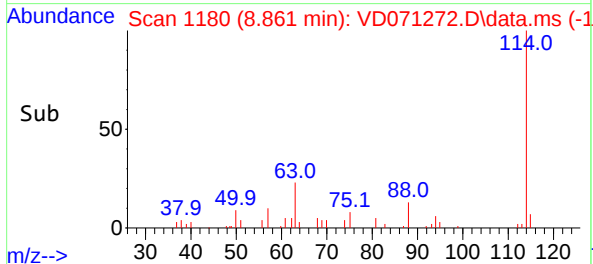
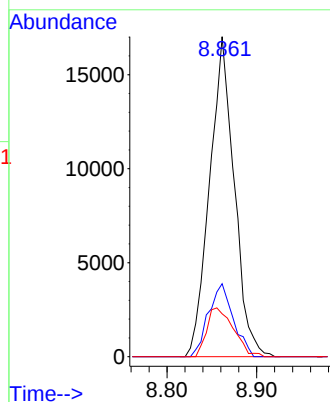
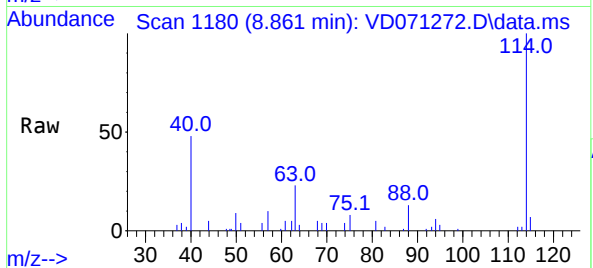
Tgt Ion:114 Resp: 32477

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 13.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 58.745 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071272.D

Acq: 11 Dec 2021 16:20

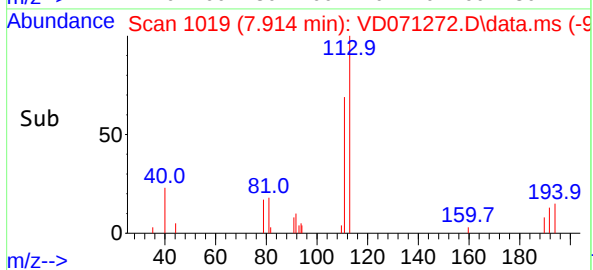
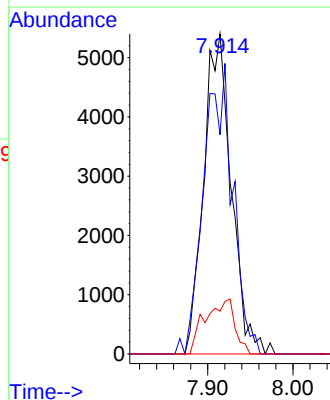
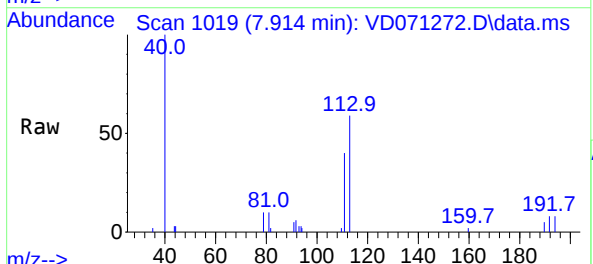
Tgt Ion:113 Resp: 12149

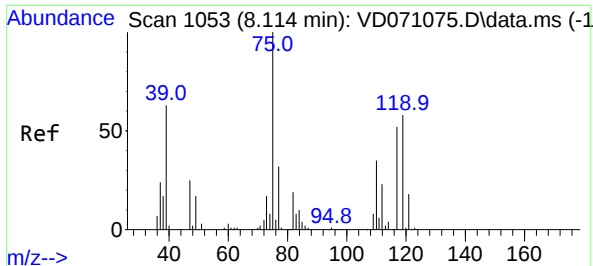
Ion Ratio Lower Upper

113 100

111 95.2 82.0 123.0

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.732 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071272.D

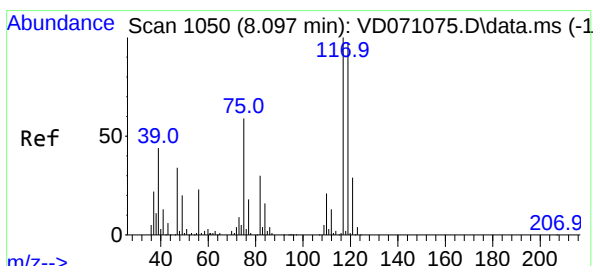
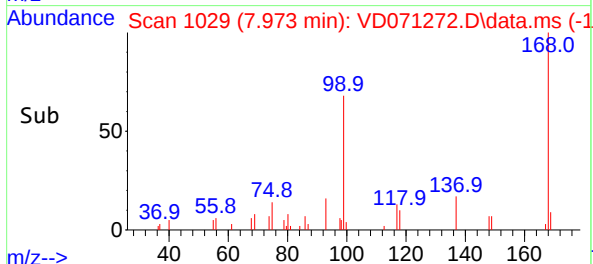
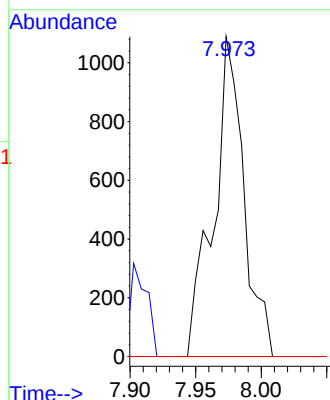
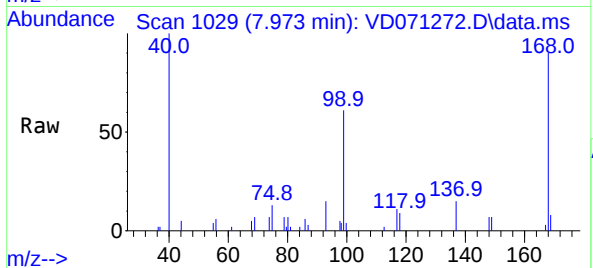
Acq: 11 Dec 2021 16:20

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp:	1740
Ion Ratio	Lower	Upper
75	100	
110	0.0	17.8 53.4#
77	0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.790 ug/l

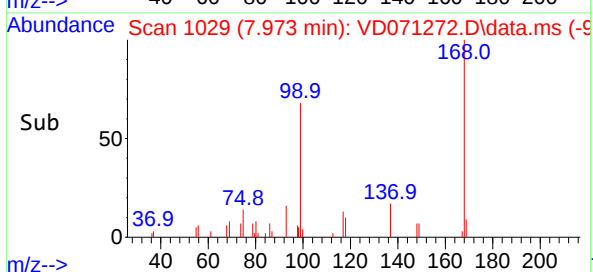
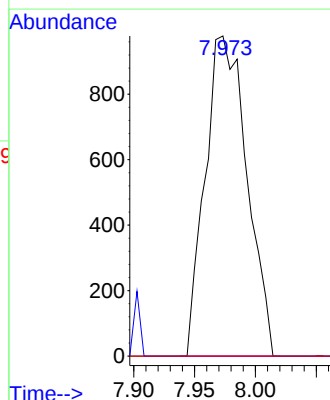
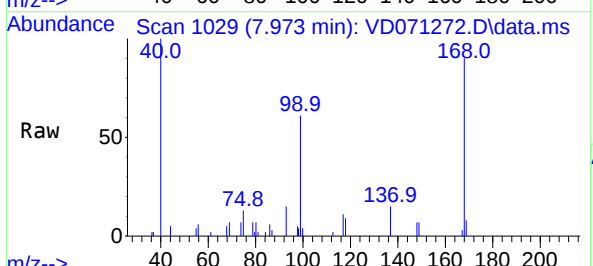
RT: 7.973 min Scan# 1029

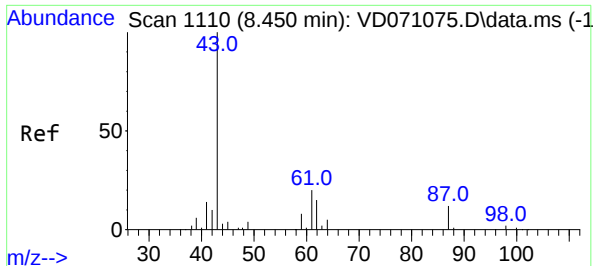
Delta R.T. -0.124 min

Lab File: VD071272.D

Acq: 11 Dec 2021 16:20

Tgt Ion: 117	Resp:	2331
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	23.6 35.4#

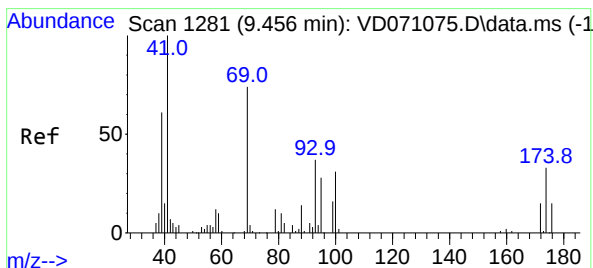
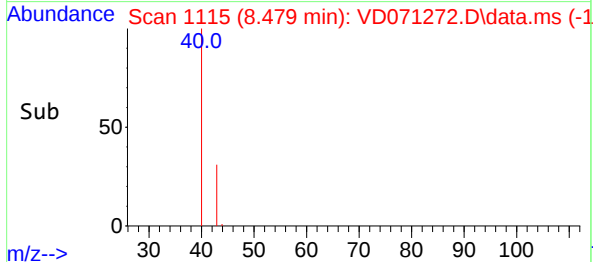
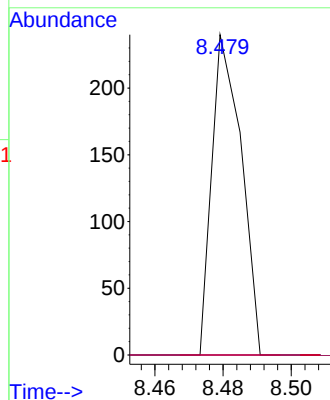
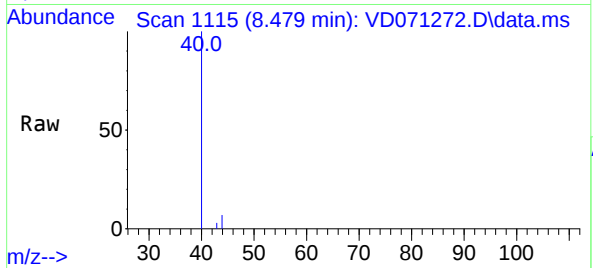




#43
Isopropyl Acetate
Concen: 5.670 ug/l
RT: 8.479 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

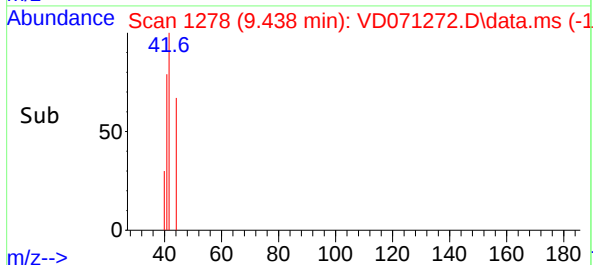
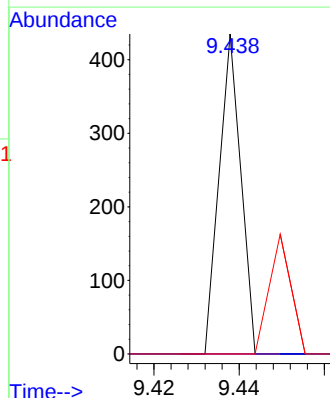
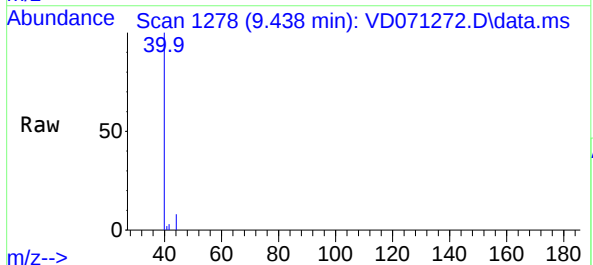
Instrument :
MSVOA_D
ClientSampleId :

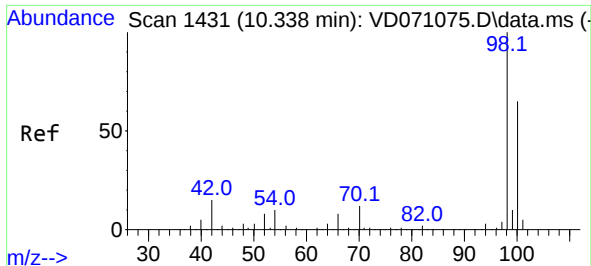
Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#48
Methyl methacrylate
Concen: 1.200 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.018 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

Tgt Ion: 41 Resp: 154
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 37.7 35.6 53.4





#50

Toluene-d8

Concen: 52.837 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071272.D

Acq: 11 Dec 2021 16:20

Instrument :

MSVOA_D

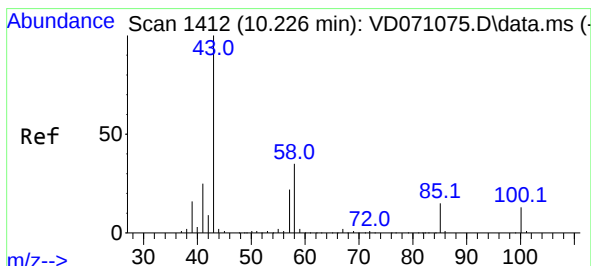
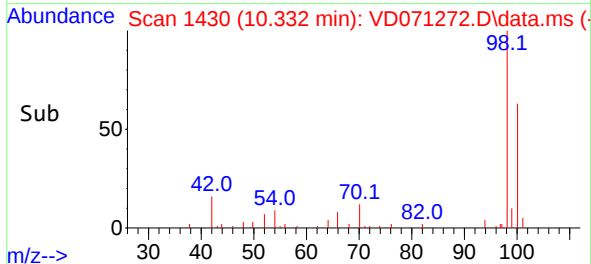
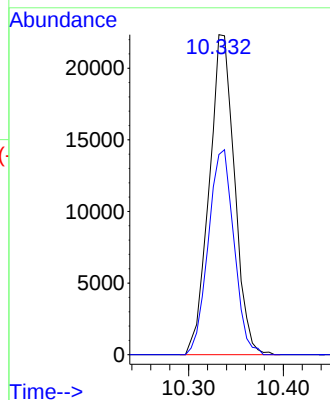
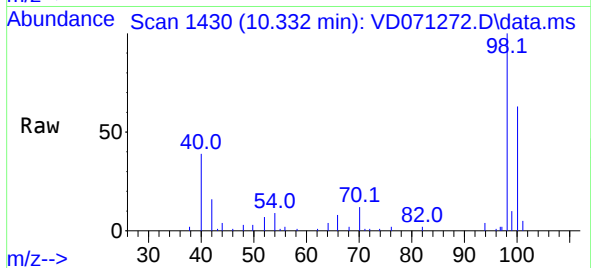
ClientSampleId :

Tgt Ion: 98 Resp: 41584

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 32.408 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.106 min

Lab File: VD071272.D

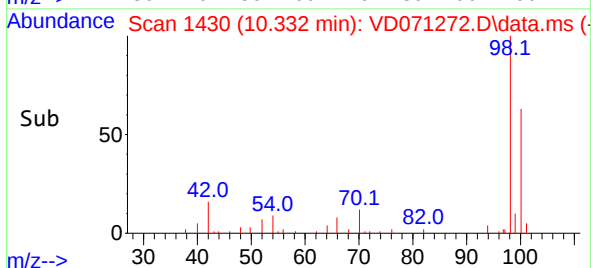
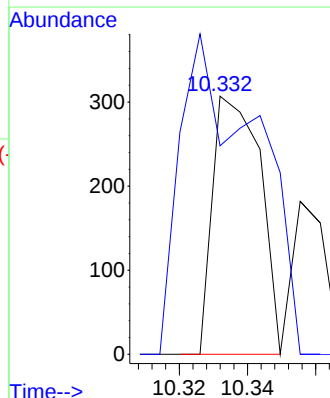
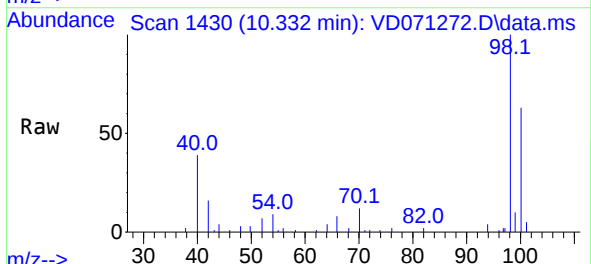
Acq: 11 Dec 2021 16:20

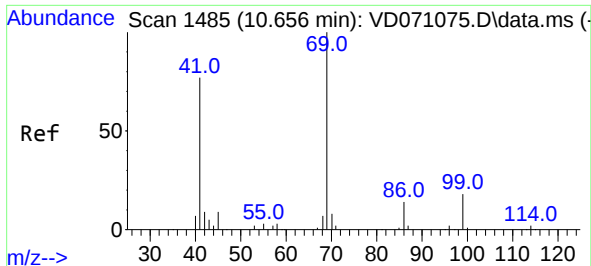
Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

58 198.3 33.1 49.7#

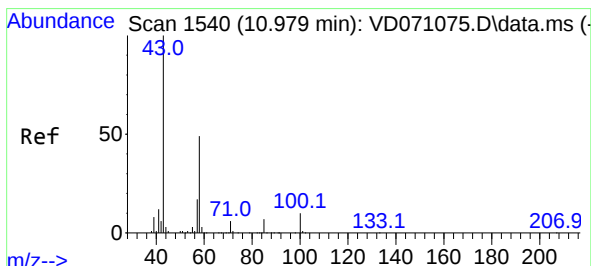
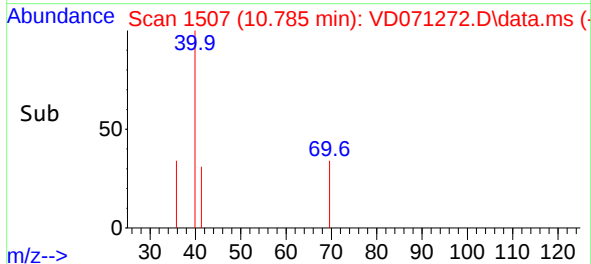
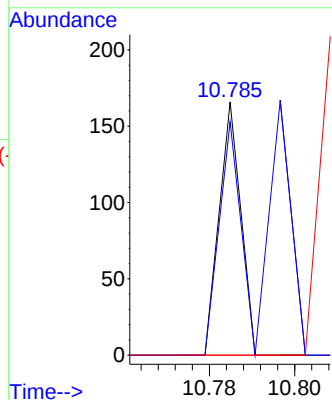
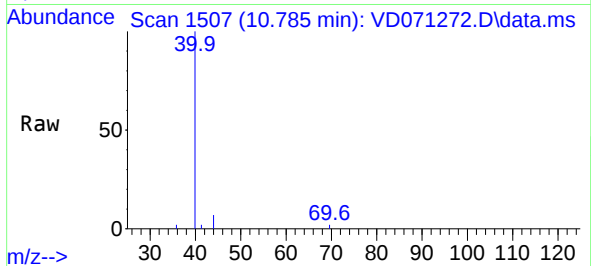




#56
Ethyl methacrylate
Concen: 6.215 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.129 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

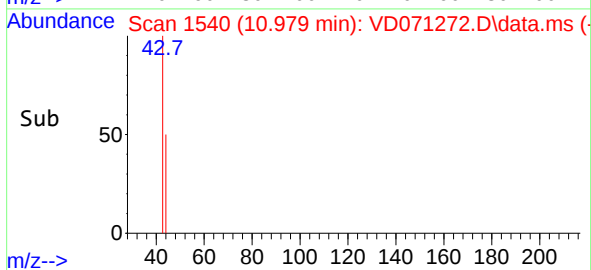
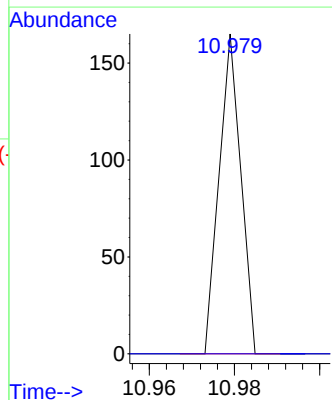
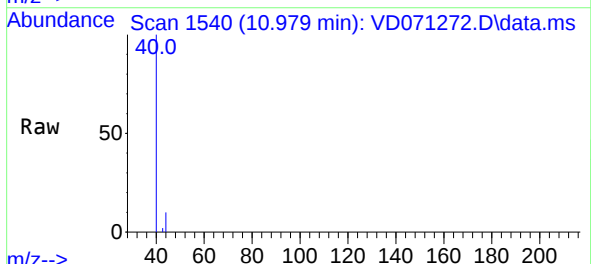
Instrument :
MSVOA_D
ClientSampleId :

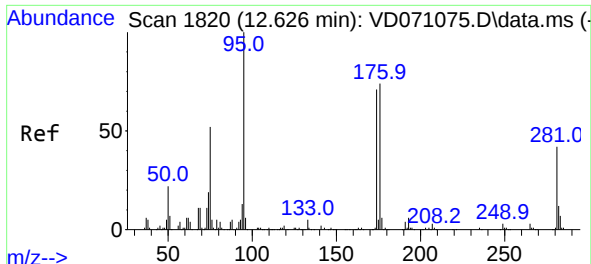
Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 191.5 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 35.023 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

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

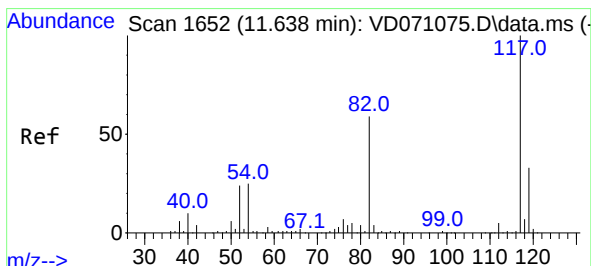
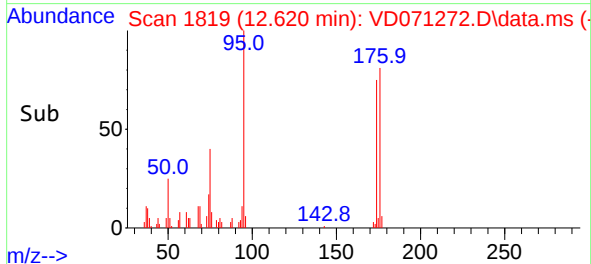
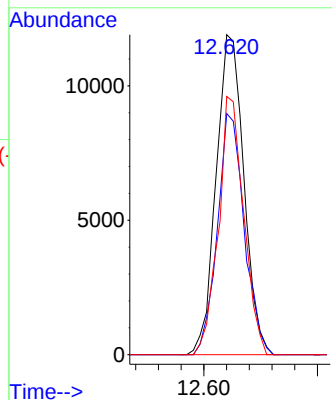
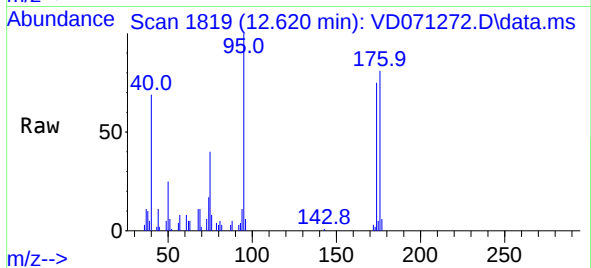




#62
4-Bromofluorobenzene
Concen: 73.890 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

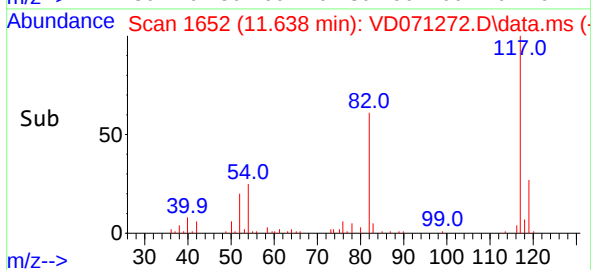
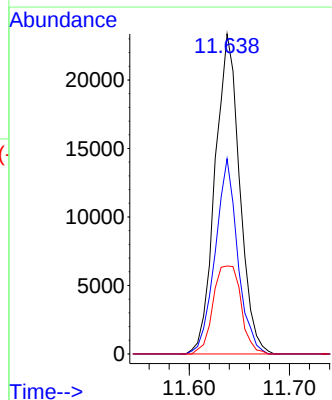
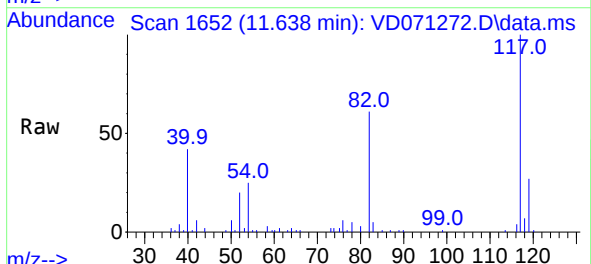
Instrument :
MSVOA_D
ClientSampleId :

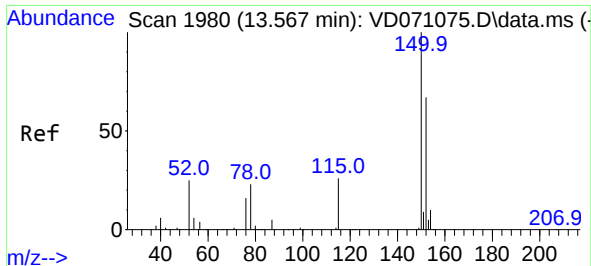
Tgt Ion: 95 Resp: 20158
Ion Ratio Lower Upper
95 100
174 73.1 0.0 159.4
176 73.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

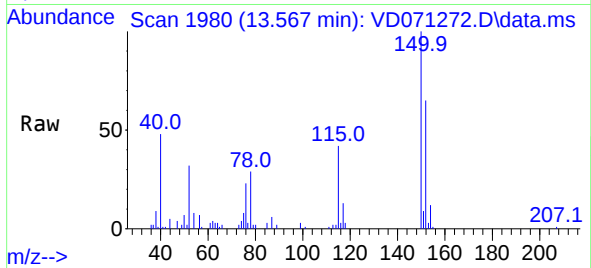
Tgt Ion: 117 Resp: 39799
Ion Ratio Lower Upper
117 100
82 61.0 44.7 67.1
119 27.5 26.2 39.4



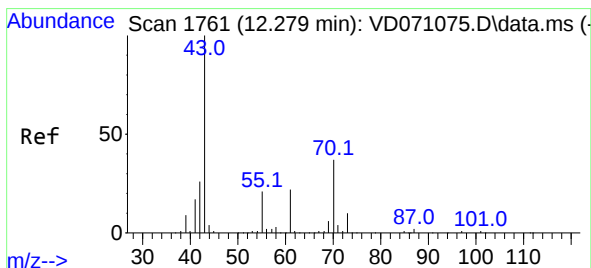
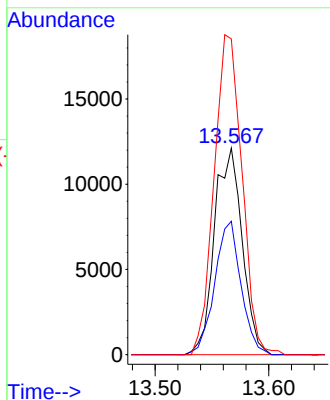
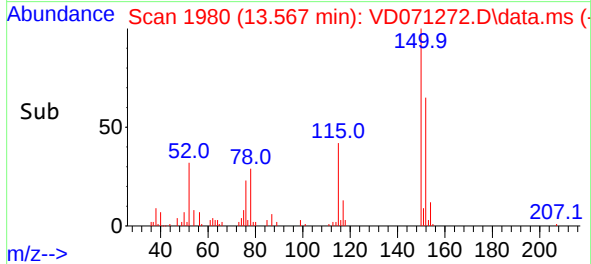


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

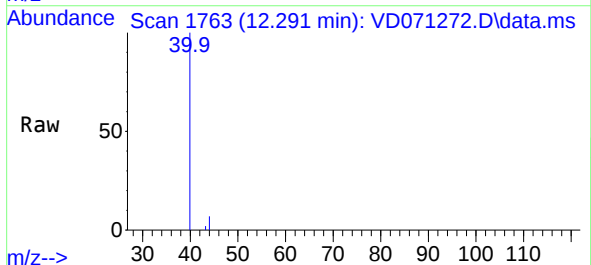
Instrument :
MSVOA_D
ClientSampleId :



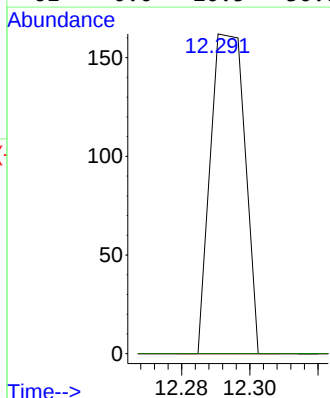
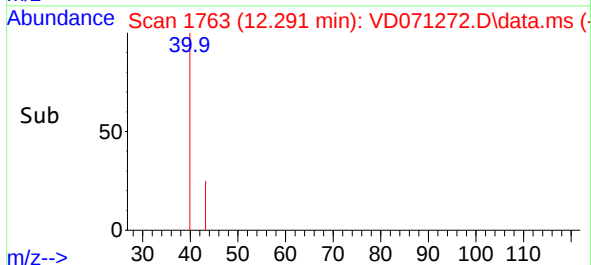
Tgt Ion:152 Resp: 20558
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 155.8 0.0 349.2

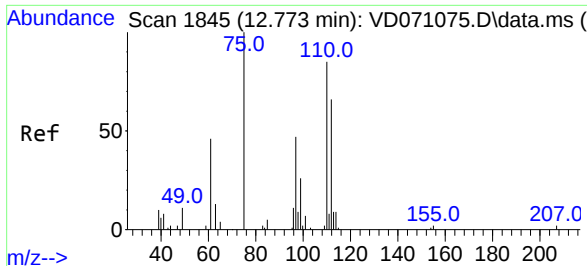


#74
N-ethyl acetate
Concen: 5.949 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.012 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20



Tgt Ion: 43 Resp: 114
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#

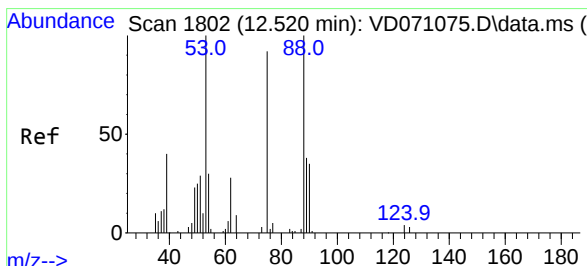
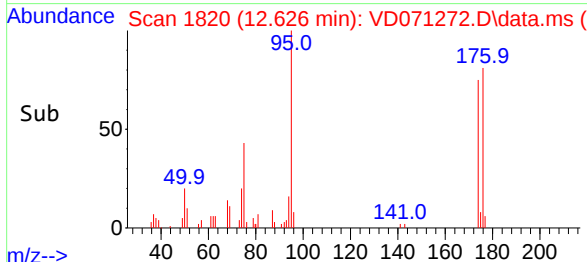
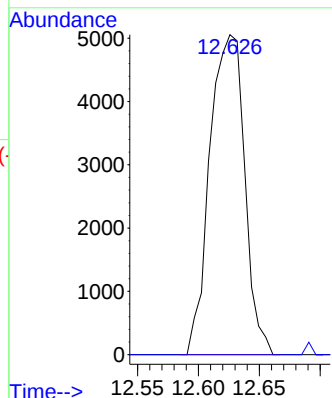
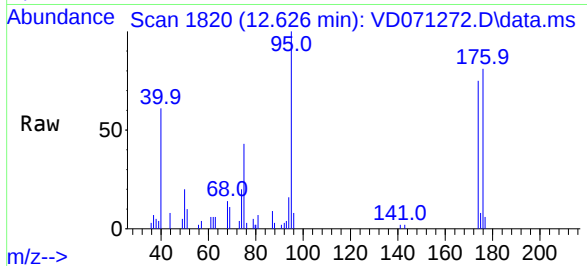




#76
1,2,3-Trichloropropane
Concen: 51.422 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

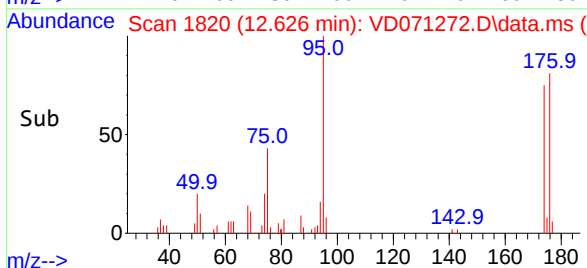
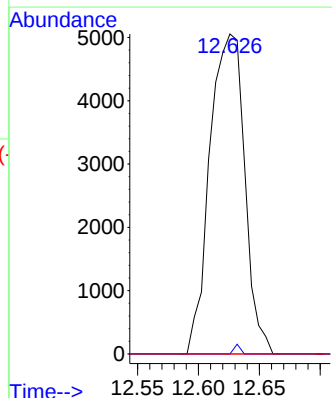
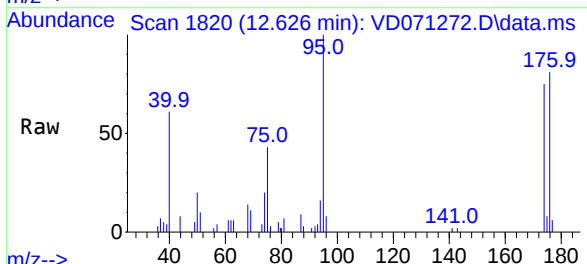
Instrument :
MSVOA_D
ClientSampleId :

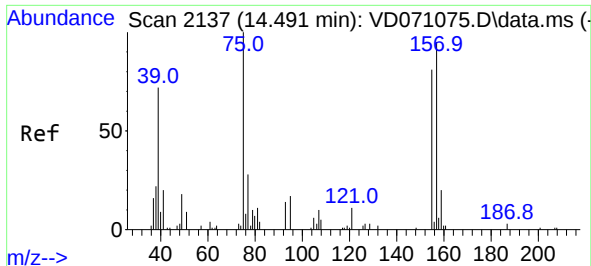
Tgt Ion: 75 Resp: 10072
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.159 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071272.D
Acq: 11 Dec 2021 16:20

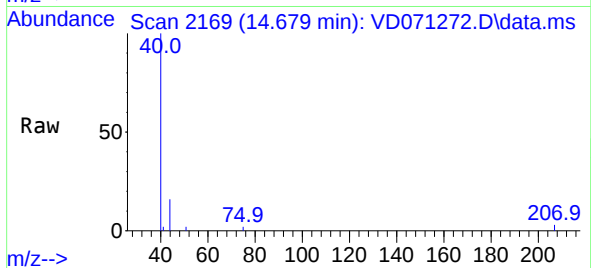
Tgt Ion: 75 Resp: 10072
Ion Ratio Lower Upper
75 100
53 0.5 62.6 94.0#
89 0.0 34.5 51.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.956 ug/l
 RT: 14.679 min Scan# 21
 Delta R.T. 0.188 min
 Lab File: VD071272.D
 Acq: 11 Dec 2021 16:20

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	118
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.0	120.0#
157	0.0	49.8	149.3#

