

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071558.D
 Acq On : 30 Dec 2021 19:28
 Operator : VA/SY
 Sample : M5253-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-1-122921

Quant Time: Dec 31 06:57:37 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)

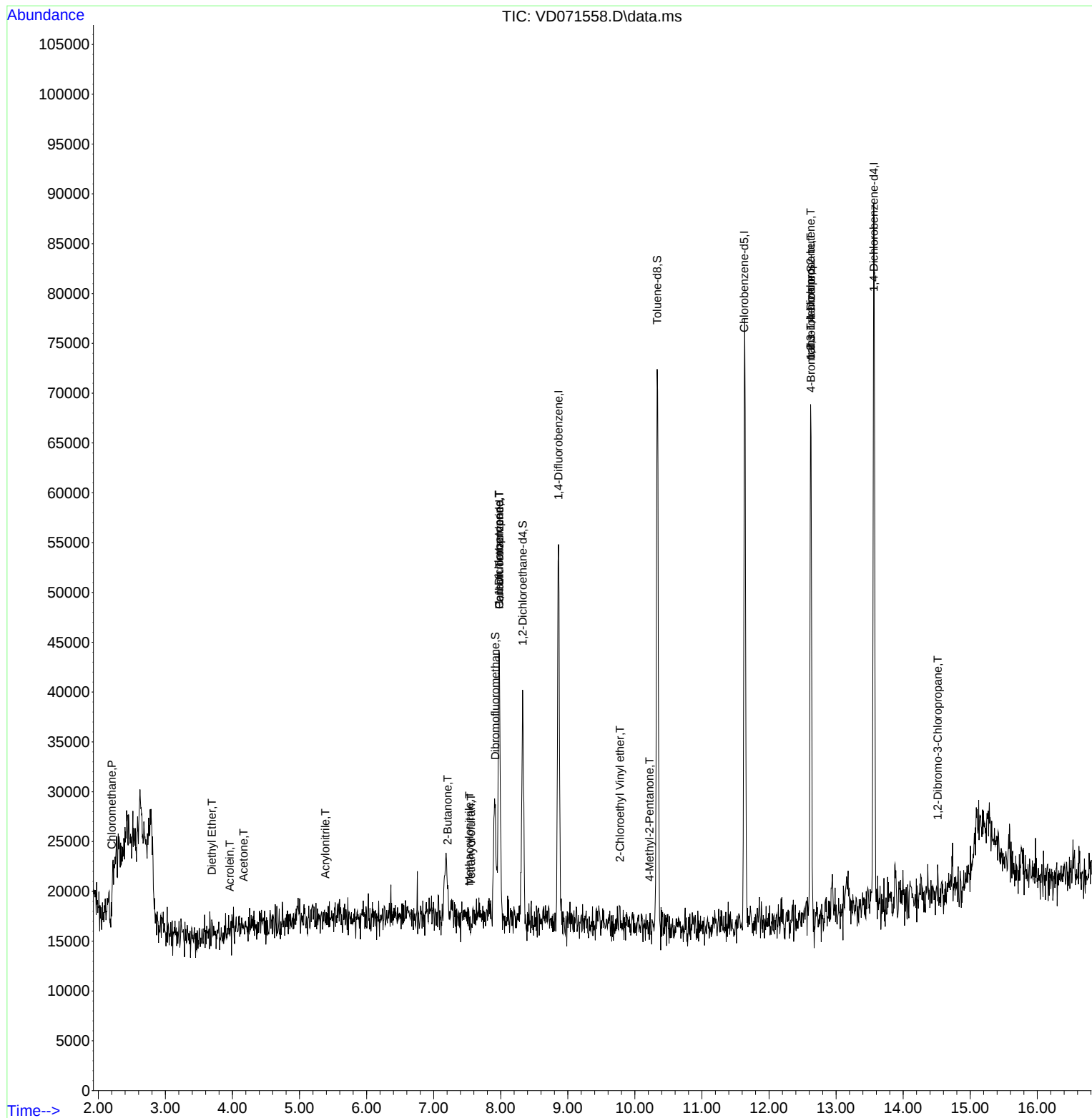
Internal Standards						
1) Pentafluorobenzene	7.979	168	17855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	27622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	31234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	15754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15745	66.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.800%
35) Dibromofluoromethane	7.920	113	9390	50.581	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.160%
50) Toluene-d8	10.332	98	39208	55.888	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.780%
62) 4-Bromofluorobenzene	12.626	95	15634	62.713	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.420%
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	608	2.538	ug/l #	42
8) Diethyl Ether	3.691	74	121	1.203	ug/l #	1
11) Tert butyl alcohol	5.203	59	229	Below Cal	#	71
13) Acrolein	3.962	56	64	5.587	ug/l #	13
15) Acrylonitrile	5.385	53	56	1.130	ug/l #	19
16) Acetone	4.168	43	681	11.433	ug/l #	40
20) Methylene Chloride	4.979	84	470	Below Cal	#	46
25) 2-Butanone	7.209	43	152	2.137	ug/l #	45
29) Tetrahydrofuran	7.556	42	62	1.451	ug/l #	34
36) 1,1-Dichloropropene	7.973	75	1952	6.582	ug/l #	41
38) Carbon Tetrachloride	7.979	117	2216	7.573	ug/l #	12
41) Methacrylonitrile	7.532	41	116	1.426	ug/l #	35
51) 4-Methyl-2-Pentanone	10.220	43	270	1.889	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.779	63	134	1.465	ug/l #	49
76) 1,2,3-Trichloropropane	12.620	75	9146	48.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	9146	138.057	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.514	75	66	1.733	ug/l #	4

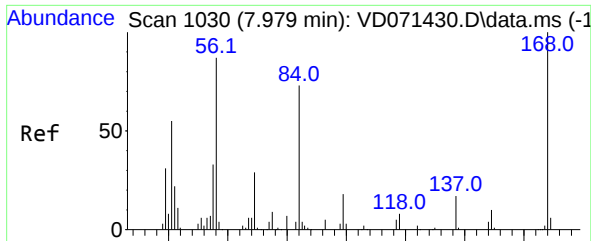
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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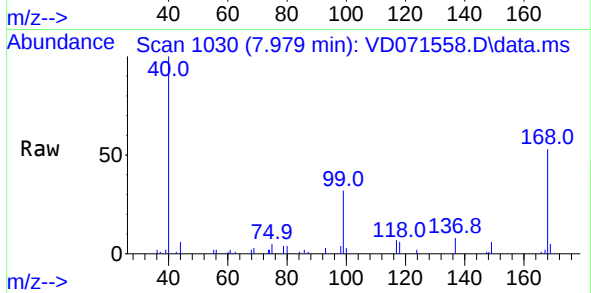
Quant Time: Dec 31 06:57:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration



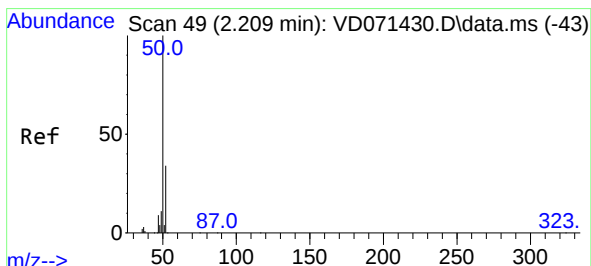
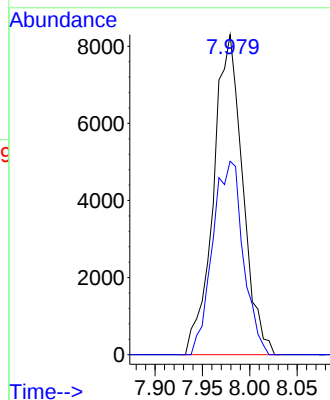
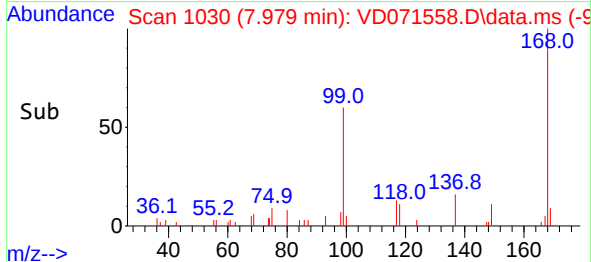


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

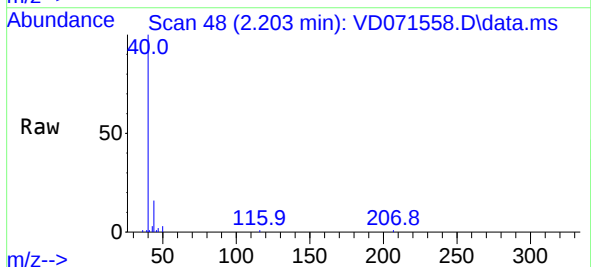
Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921



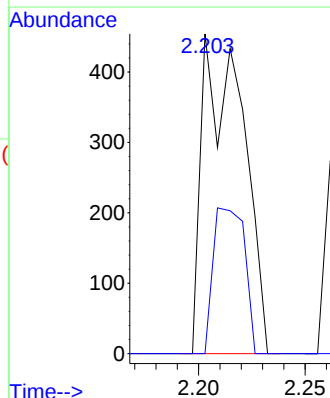
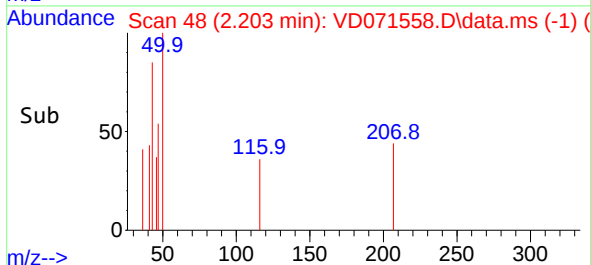
Tgt Ion:168 Resp: 17855
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8

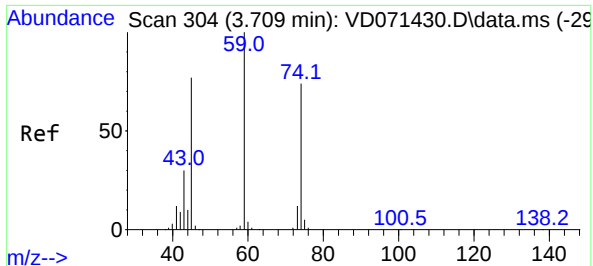


#3
Chloromethane
Concen: 2.538 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28



Tgt Ion: 50 Resp: 608
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





#8

Diethyl Ether

Concen: 1.203 ug/l

RT: 3.691 min Scan# 301

Delta R.T. -0.018 min

Lab File: VD071558.D

Acq: 30 Dec 2021 19:28

Instrument :

MSVOA_D

ClientSampleId :

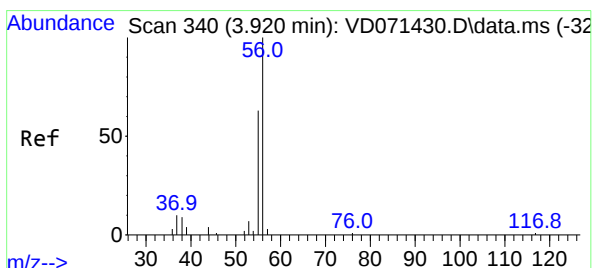
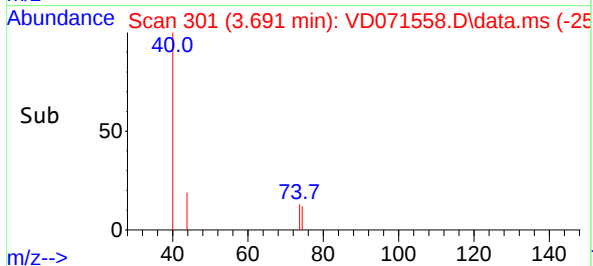
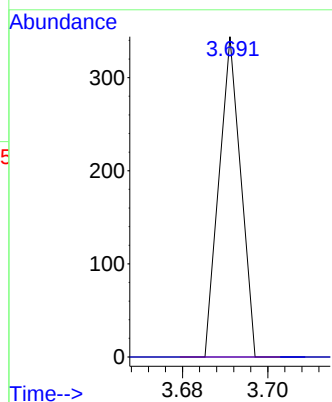
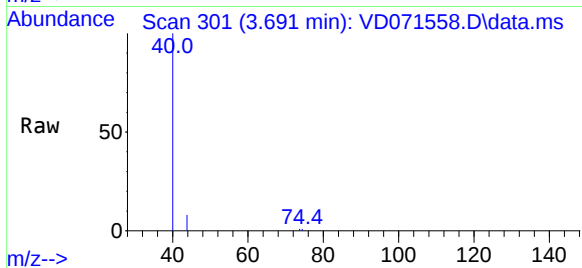
SA-1-122921

Tgt Ion: 74 Resp: 121

Ion Ratio Lower Upper

74 100

45 0.0 49.6 149.0#



#13

Acrolein

Concen: 5.587 ug/l

RT: 3.962 min Scan# 347

Delta R.T. 0.048 min

Lab File: VD071558.D

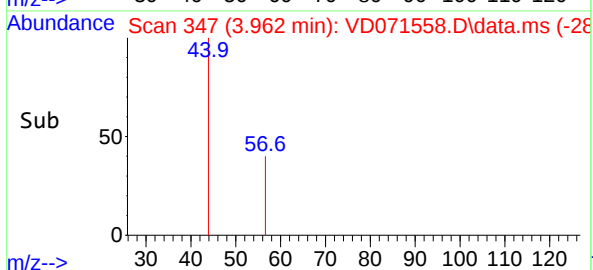
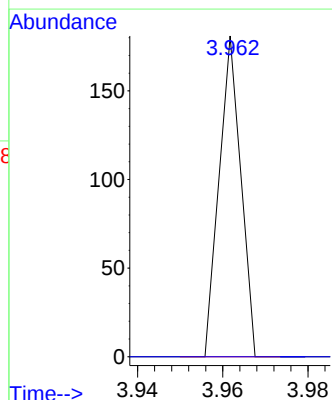
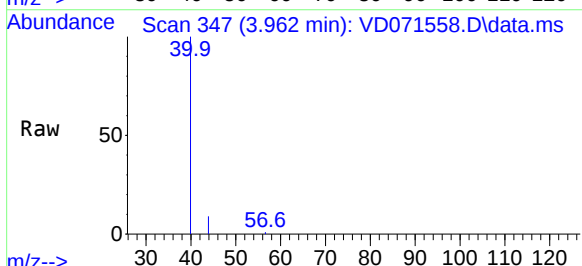
Acq: 30 Dec 2021 19:28

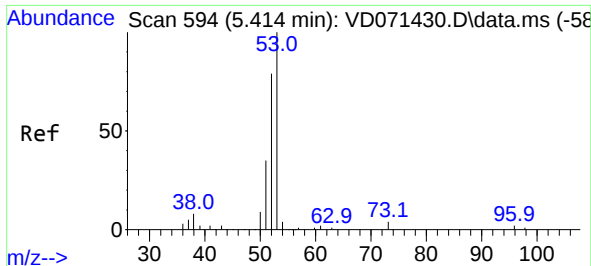
Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#

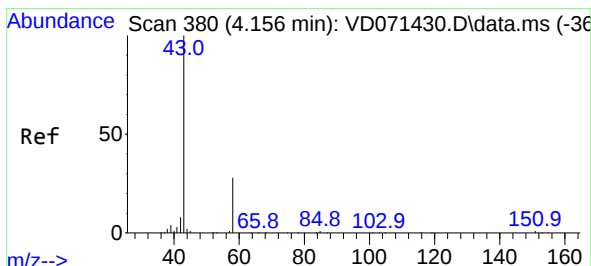
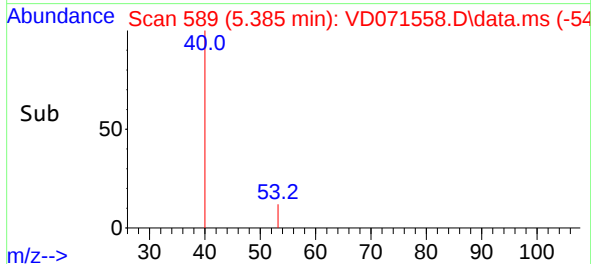
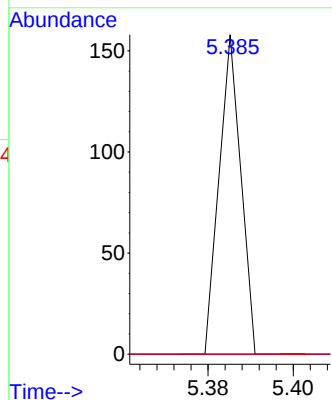
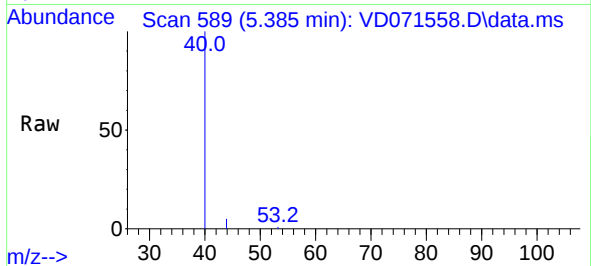




#15
Acrylonitrile
Concen: 1.130 ug/l
RT: 5.385 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

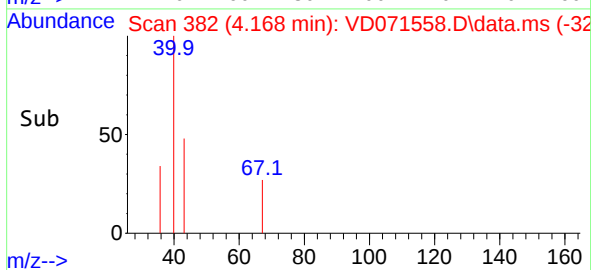
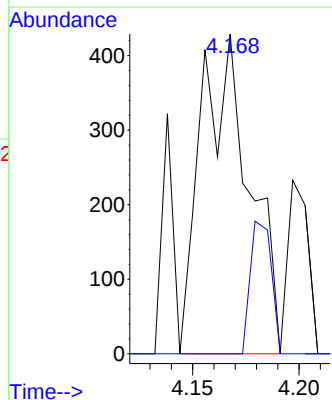
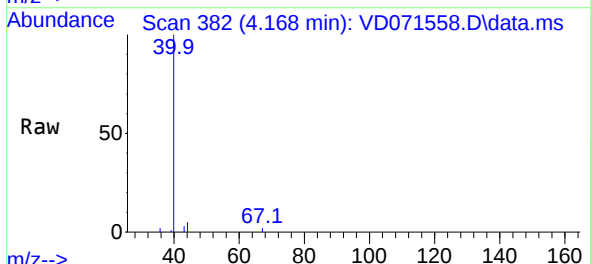
Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

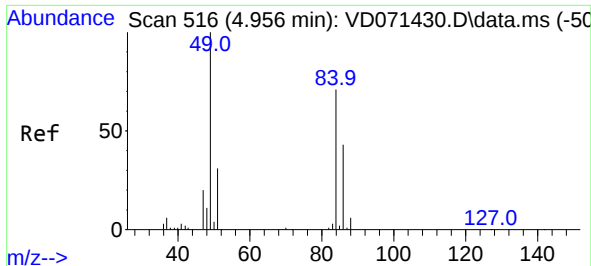
Tgt Ion: 53	Resp:	56
Ion	Ratio	Lower Upper
53	100	
52	0.0	63.8 95.8#
51	0.0	28.5 42.7#



#16
Acetone
Concen: 11.433 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

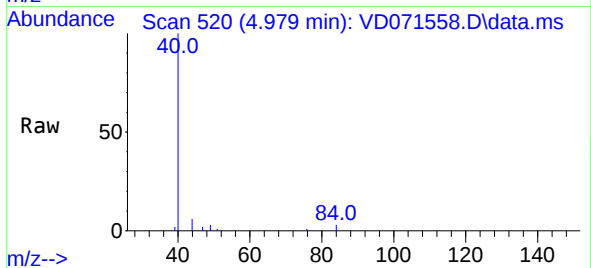
Tgt Ion: 43	Resp:	681
Ion	Ratio	Lower Upper
43	100	
58	0.0	27.8 41.8#



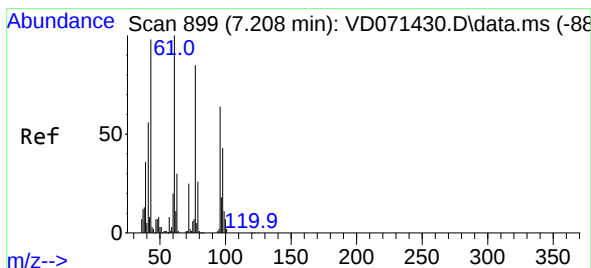
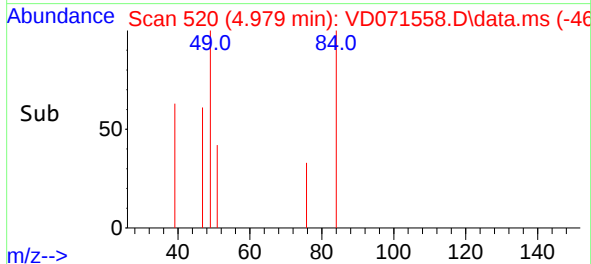
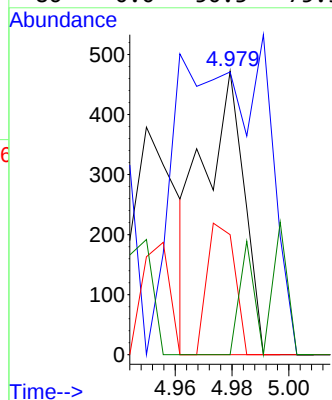


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 516
Delta R.T. 0.018 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

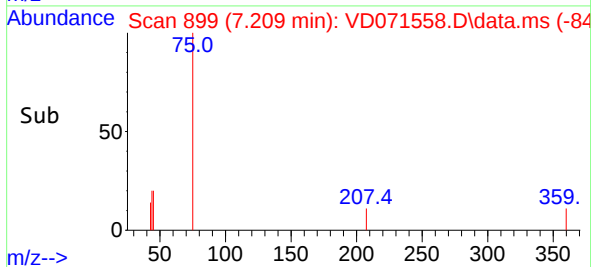
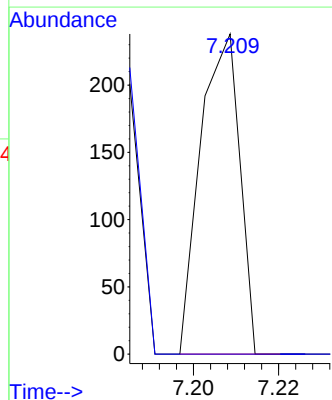
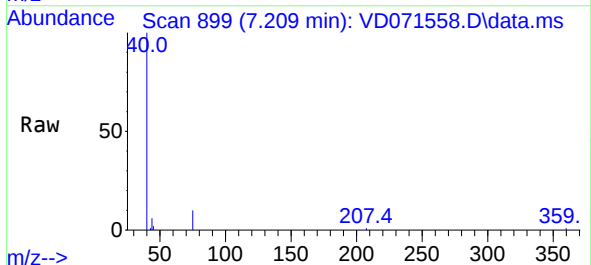


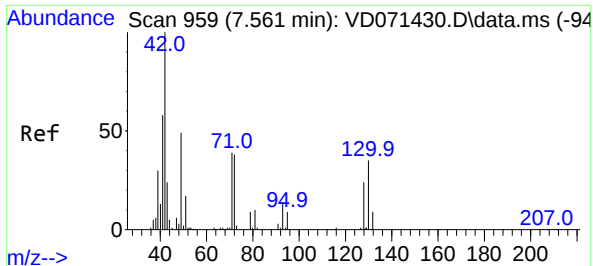
Tgt Ion: 84 Resp: 470
Ion Ratio Lower Upper
84 100
49 58.1 95.8 143.6#
51 42.4 30.9 46.3
86 0.0 50.3 75.5#



#25
2-Butanone
Concen: 2.137 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.451 ug/l

RT: 7.556 min Scan# 91

Delta R.T. 0.001 min

Lab File: VD071558.D

Acq: 30 Dec 2021 19:28

Instrument :

MSVOA_D

ClientSampleId :

SA-1-122921

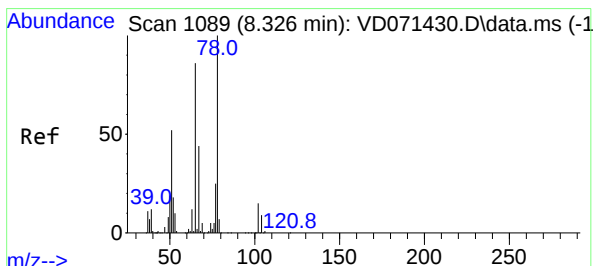
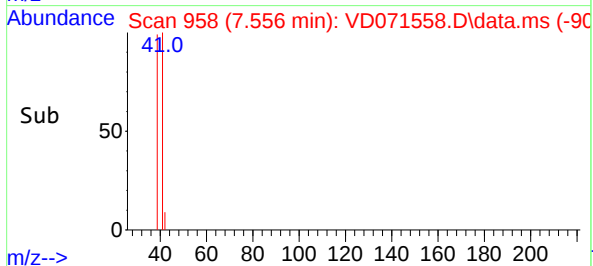
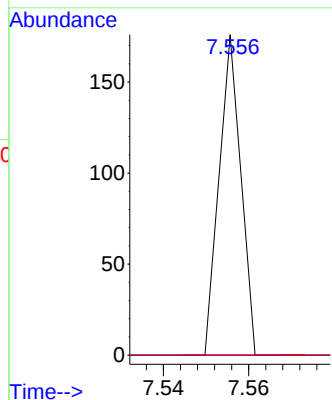
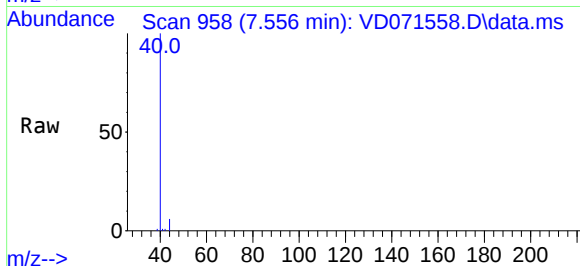
Tgt Ion: 42 Resp: 62

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: 66.398 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071558.D

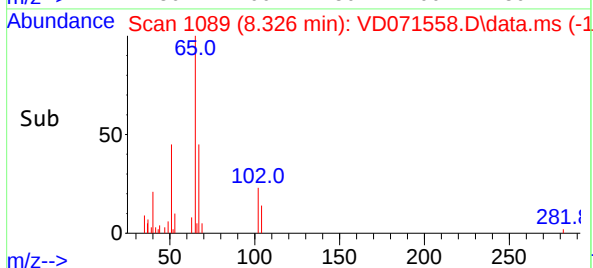
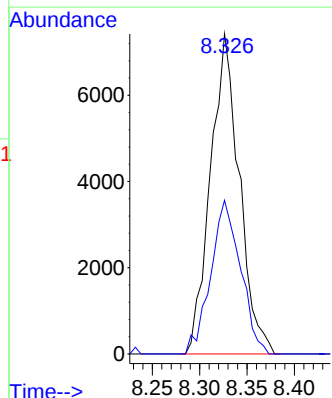
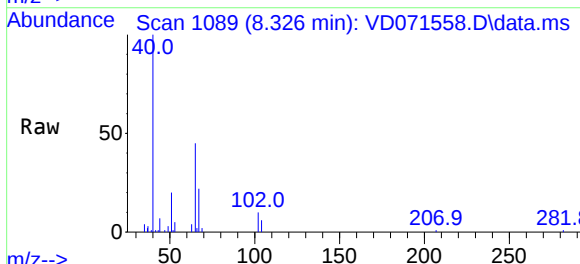
Acq: 30 Dec 2021 19:28

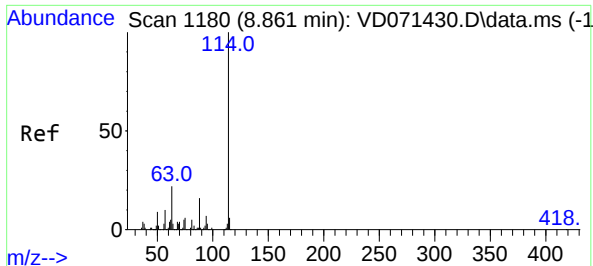
Tgt Ion: 65 Resp: 15745

Ion Ratio Lower Upper

65 100

67 49.6 0.0 112.2

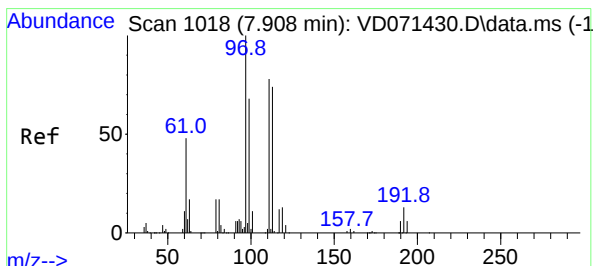
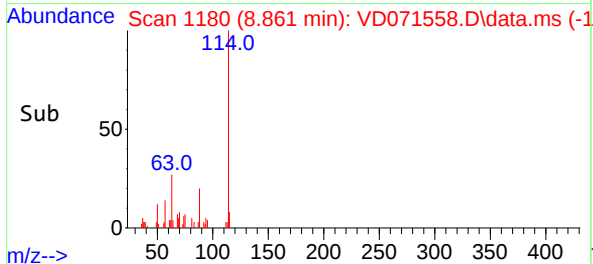
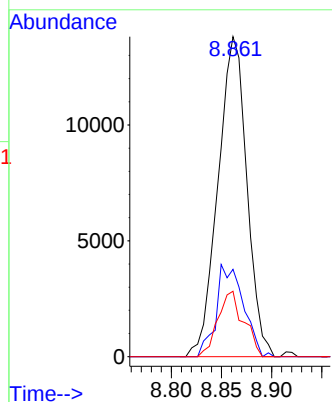
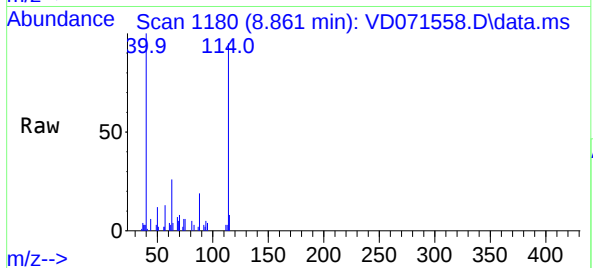




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

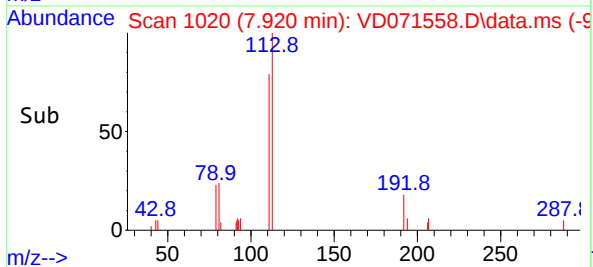
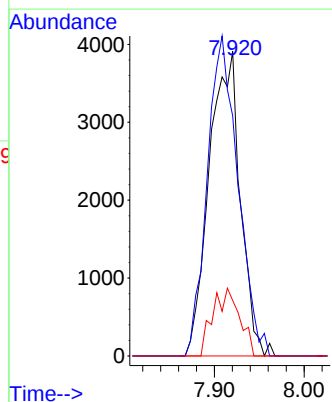
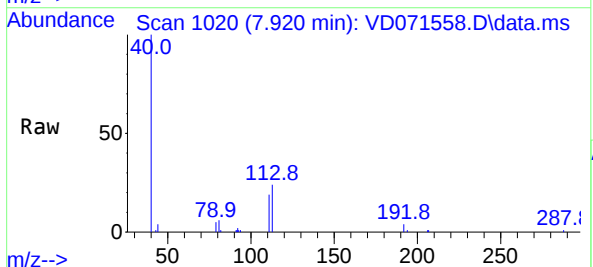
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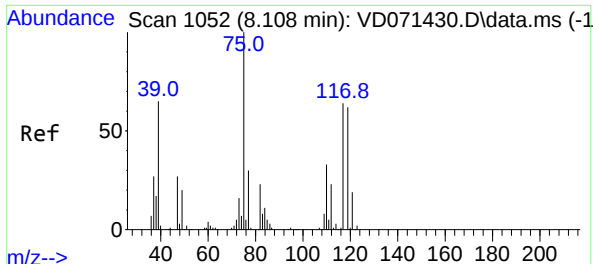
Tgt Ion:	114	Resp:	27622
Ion	Ratio	Lower	Upper
114	100		
63	27.3	0.0	41.8
88	20.4	0.0	32.8



#35
Dibromofluoromethane
Concen: 50.581 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.012 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion:	113	Resp:	9390
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	19.1	15.2	22.8

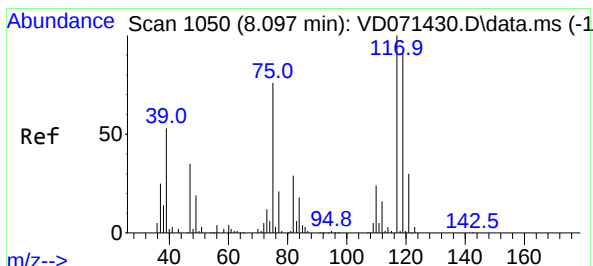
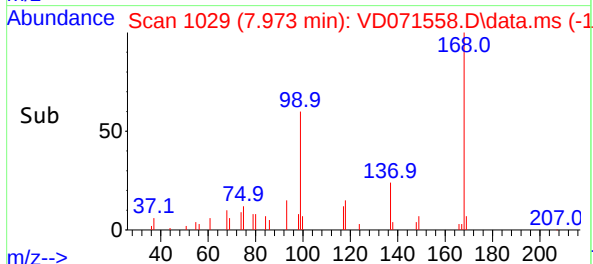
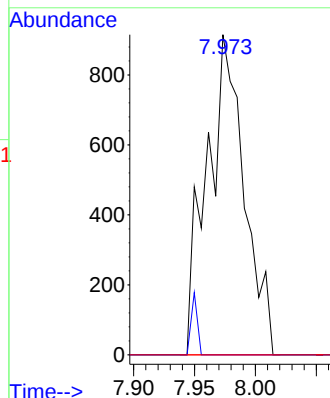
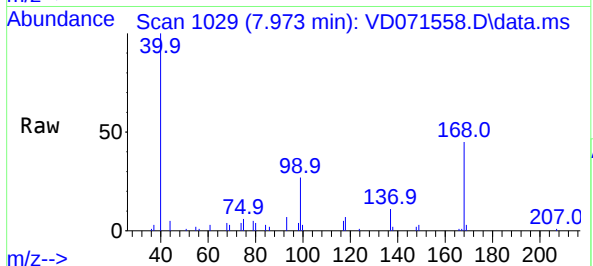




#36
1,1-Dichloropropene
Concen: 6.582 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

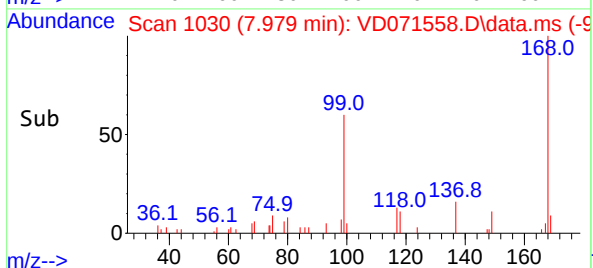
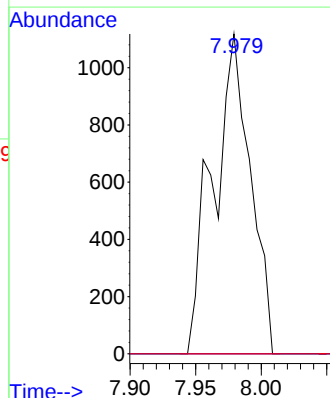
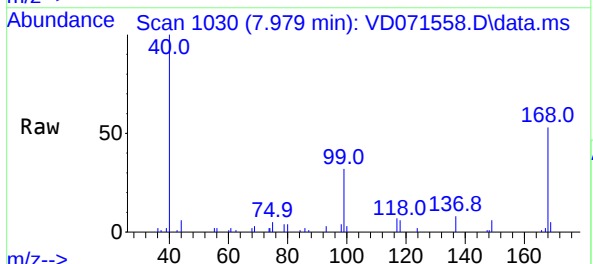
Instrument :
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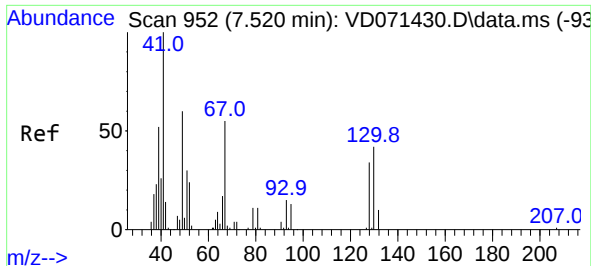
Tgt Ion: 75 Resp: 1952
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 7.573 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 117 Resp: 2216
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

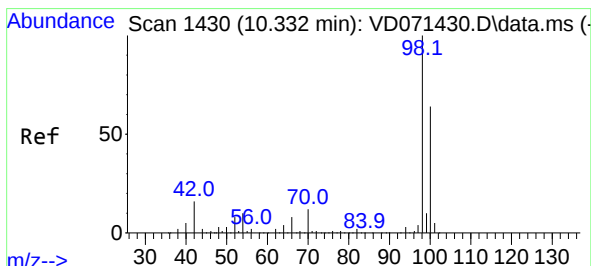
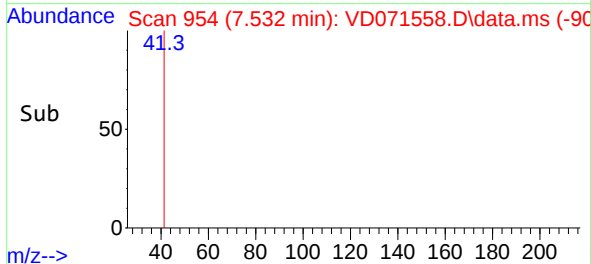
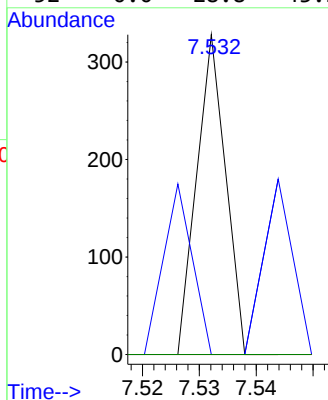
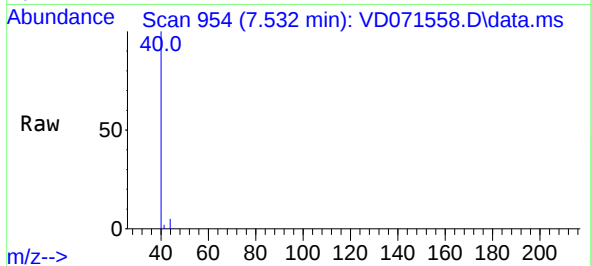




#41
Methacrylonitrile
Concen: 1.426 ug/l
RT: 7.532 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

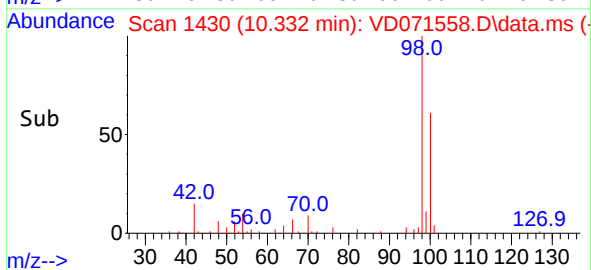
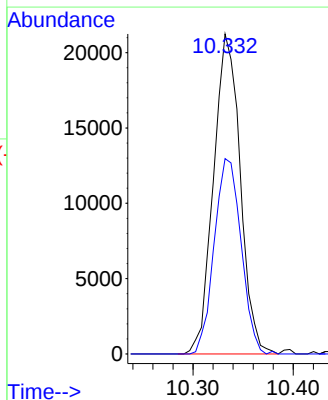
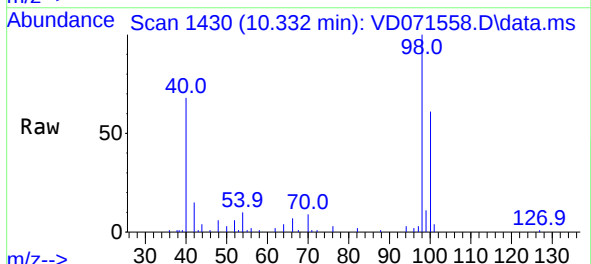
Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

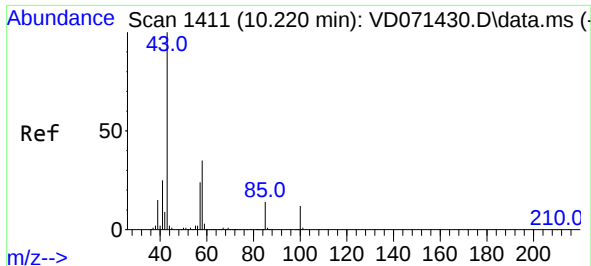
Tgt Ion: 41	Resp: 116
Ion Ratio	Lower Upper
41 100	
39 53.4	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 55.888 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 98	Resp: 39208
Ion Ratio	Lower Upper
98 100	
100 61.4	51.8 77.6

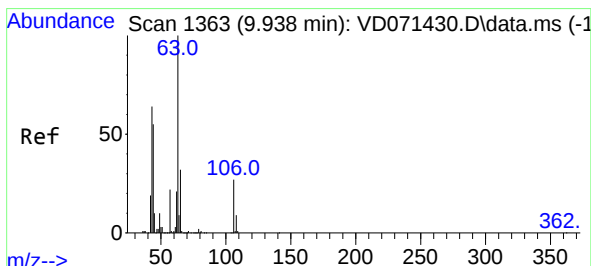
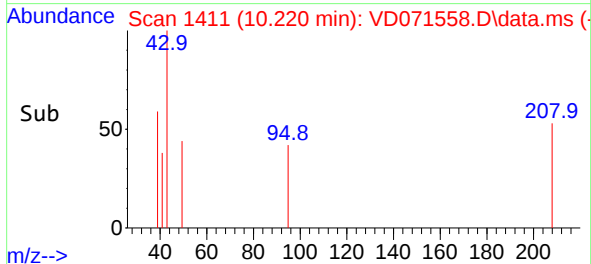
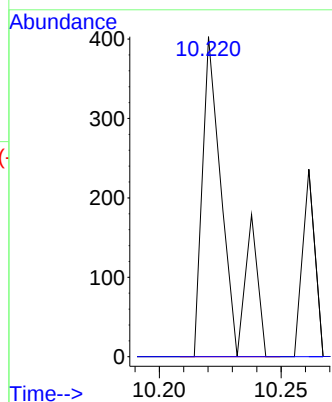
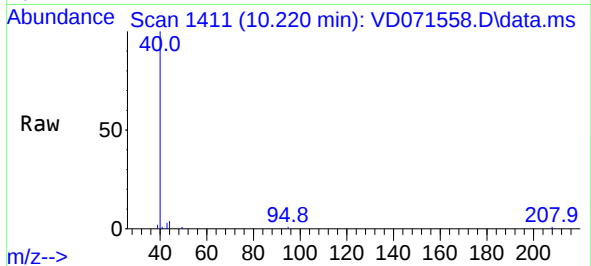




#51
4-Methyl-2-Pentanone
Concen: 1.889 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

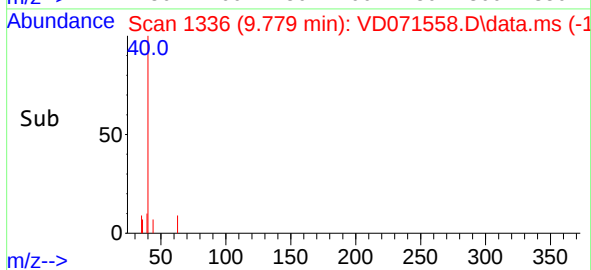
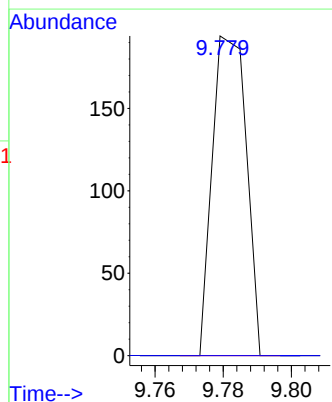
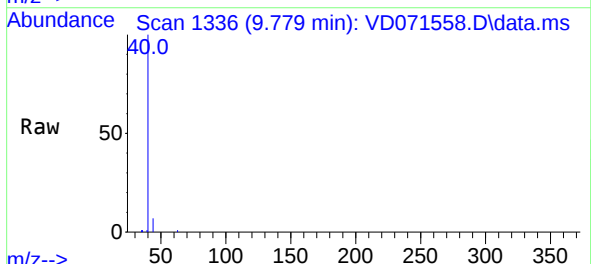
Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

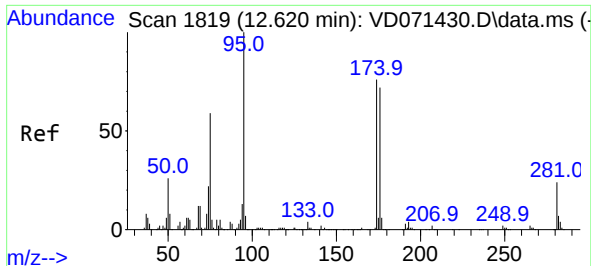
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#58
2-Chloroethyl Vinyl ether
Concen: 1.465 ug/l
RT: 9.779 min Scan# 1336
Delta R.T. -0.159 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 63 Resp: 134
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#

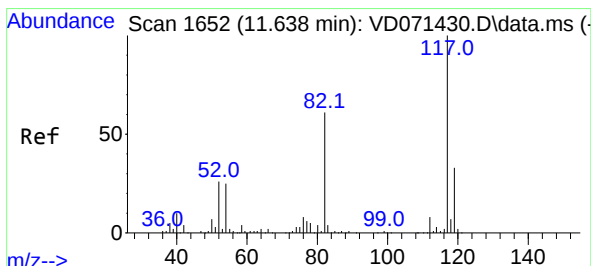
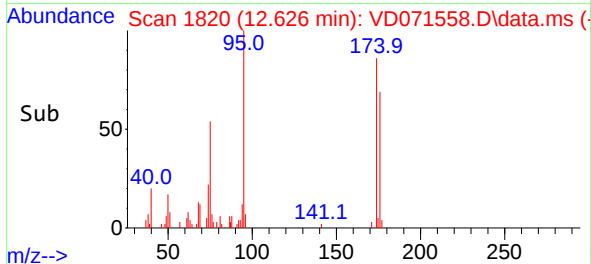
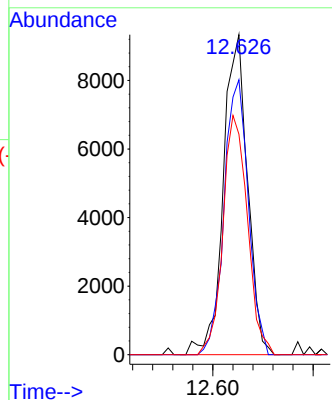
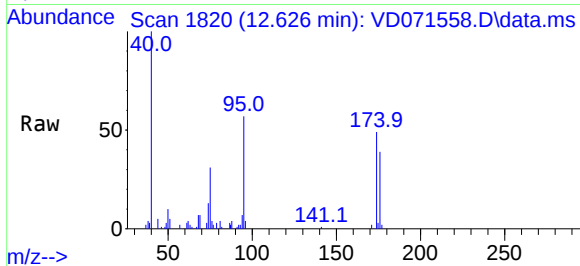




#62
4-Bromofluorobenzene
Concen: 62.713 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

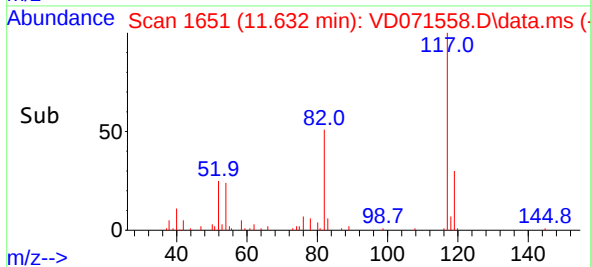
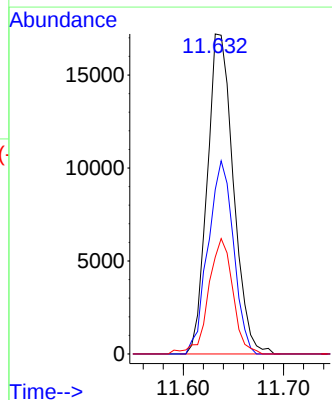
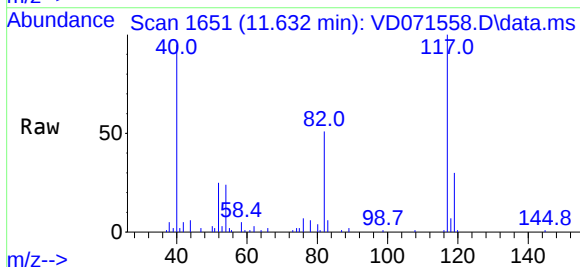
Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

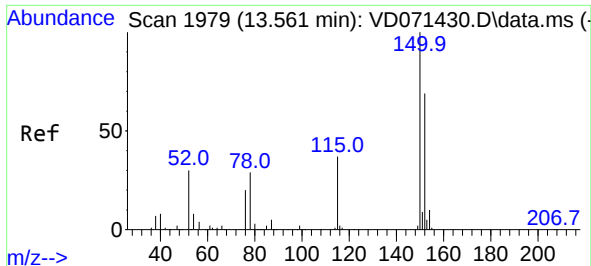
Tgt Ion: 95 Resp: 15634
Ion Ratio Lower Upper
95 100
174 86.0 0.0 159.4
176 75.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 117 Resp: 31234
Ion Ratio Lower Upper
117 100
82 51.4 44.7 67.1
119 30.3 26.2 39.4

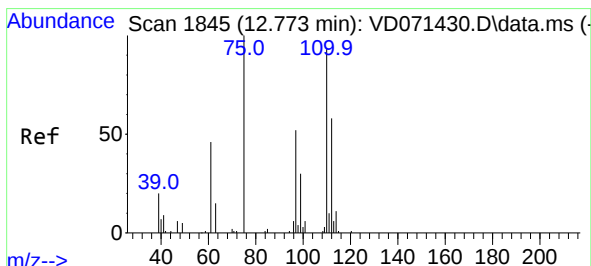
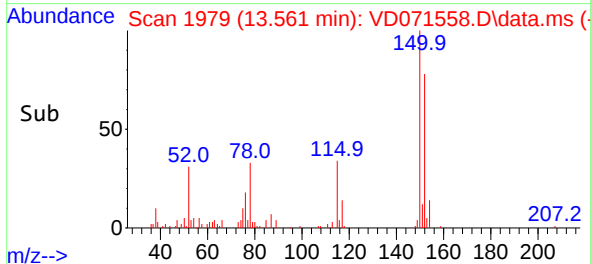
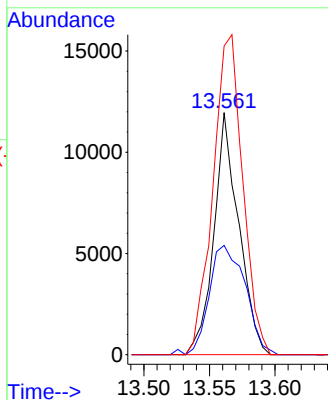
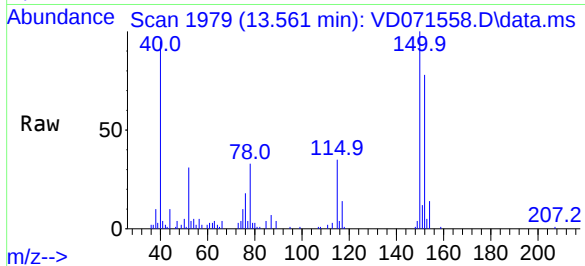




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

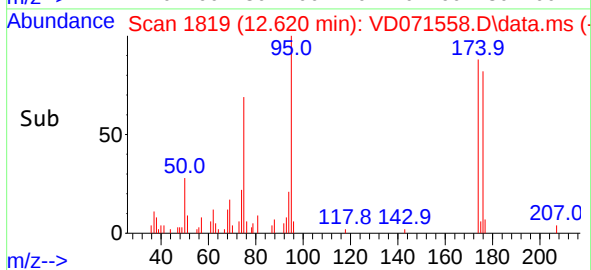
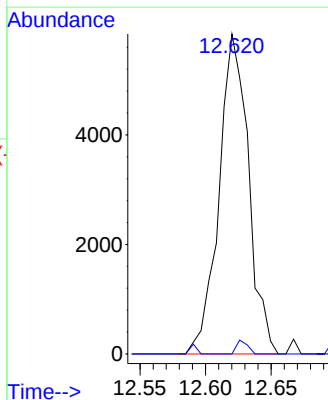
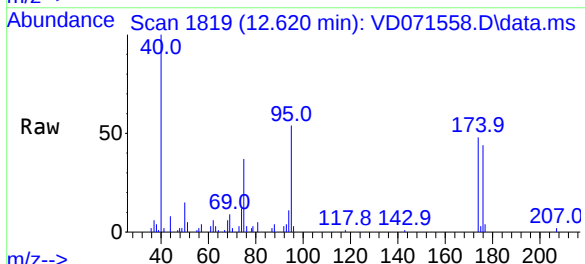
Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

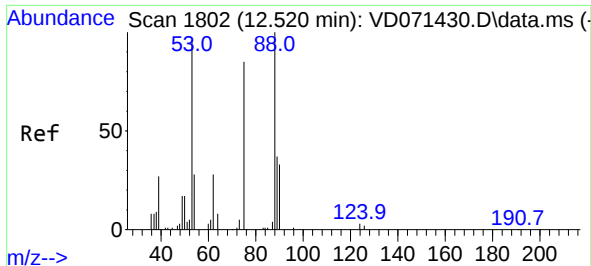
Tgt Ion:152 Resp: 15754
Ion Ratio Lower Upper
152 100
115 65.8 29.8 89.3
150 158.1 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 48.860 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 75 Resp: 9146
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#

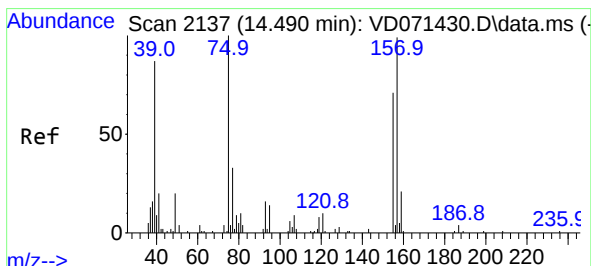
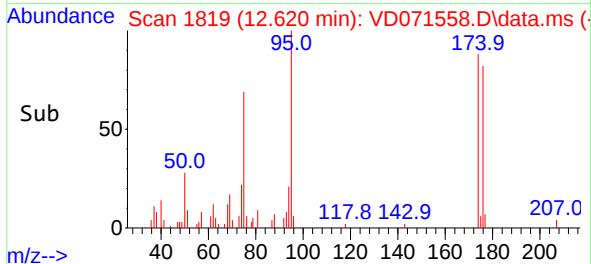
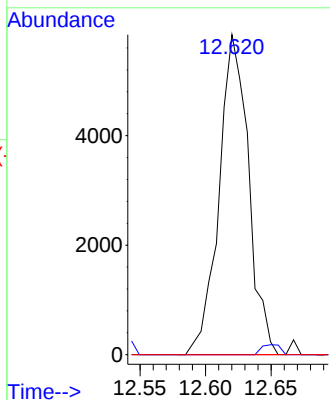
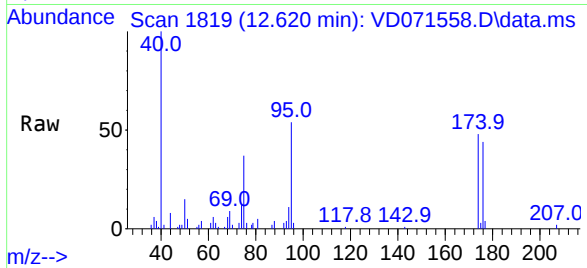




#81
trans-1,4-Dichloro-2-butene
Concen: 138.057 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Instrument :
MSVOA_D
ClientSampleId :
SA-1-122921

Tgt Ion: 75 Resp: 9146
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: 1.733 ug/l
RT: 14.514 min Scan# 2141
Delta R.T. 0.024 min
Lab File: VD071558.D
Acq: 30 Dec 2021 19:28

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

