

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071327.D
 Acq On : 14 Dec 2021 18:17
 Operator : VA/SY
 Sample : M5073-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:32:40 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)

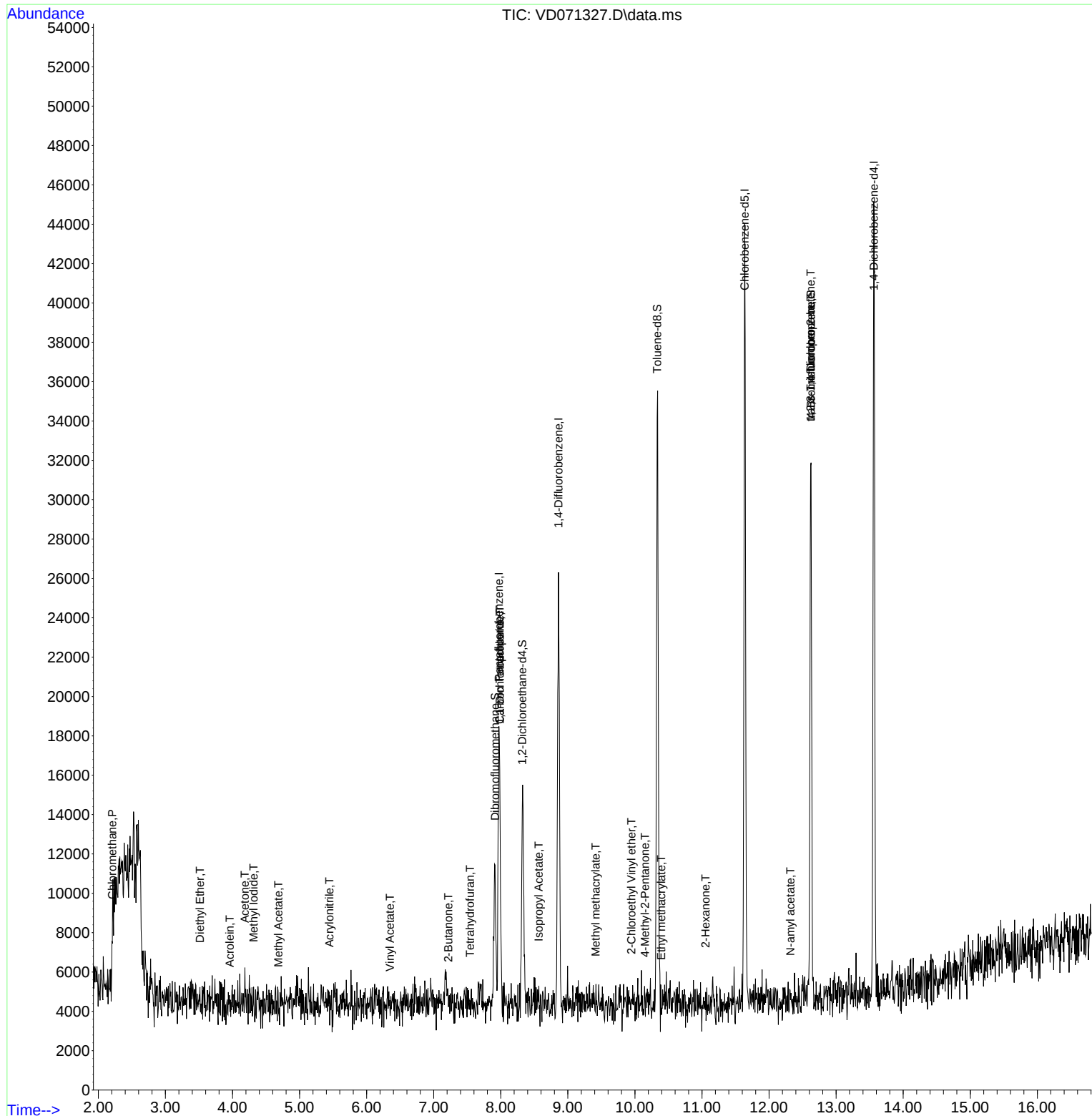
Internal Standards						
1) Pentafluorobenzene	7.973	168	9490	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	16365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	18730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	9773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	8503	76.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.720%	
35) Dibromofluoromethane	7.914	113	4745	45.533	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.060%	
50) Toluene-d8	10.332	98	19692	49.655	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.320%	
62) 4-Bromofluorobenzene	12.626	95	9263	67.383	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.760%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	437	4.082	ug/l #	42
8) Diethyl Ether	3.514	74	58	1.322	ug/l #	1
10) Methyl Iodide	4.314	142	77	5.191	ug/l #	40
11) Tert butyl alcohol	5.132	59	83	Below Cal	#	71
13) Acrolein	3.961	56	65	8.542	ug/l #	75
15) Acrylonitrile	5.444	53	68	3.187	ug/l #	19
16) Acetone	4.185	43	304	39.811	ug/l #	40
18) Methyl Acetate	4.685	43	192	2.337	ug/l #	51
20) Methylene Chloride	4.955	84	129	Below Cal	#	29
23) Vinyl Acetate	6.349	43	93	27.675	ug/l #	72
25) 2-Butanone	7.220	43	70	30.176	ug/l #	45
29) Tetrahydrofuran	7.544	42	55	3.111	ug/l #	34
36) 1,1-Dichloropropene	7.985	75	336	2.197	ug/l #	41
38) Carbon Tetrachloride	7.985	117	1018	6.752	ug/l #	12
41) Methacrylonitrile	7.532	41	103	Below Cal	#	37
43) Isopropyl Acetate	8.567	43	74	5.679	ug/l #	47
48) Methyl methacrylate	9.414	41	142	2.196	ug/l #	34
51) 4-Methyl-2-Pentanone	10.149	43	67	31.441	ug/l #	21
56) Ethyl methacrylate	10.390	69	87	6.686	ug/l #	66
58) 2-Chloroethyl Vinyl ether	9.949	63	57	1.126	ug/l #	49
59) 2-Hexanone	11.055	43	95	36.032	ug/l	77
74) N-amyl acetate	12.320	43	60	5.975	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	5873	63.074	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	5873	136.264	ug/l #	19

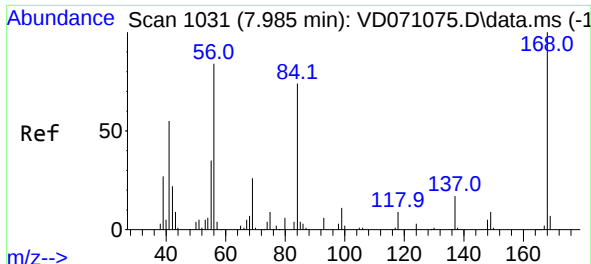
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071327.D
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ClientSampleId :

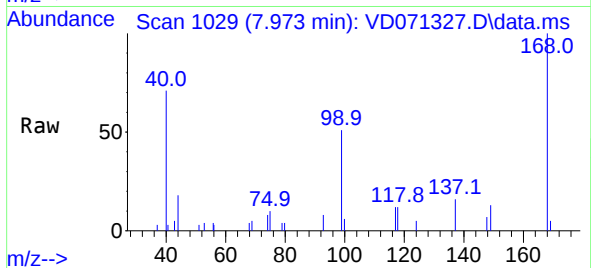
Quant Time: Dec 15 08:32:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
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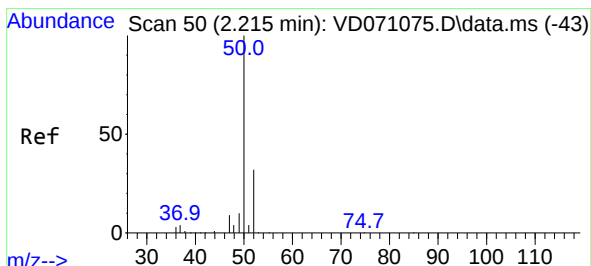
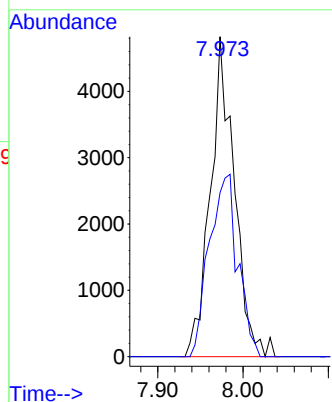
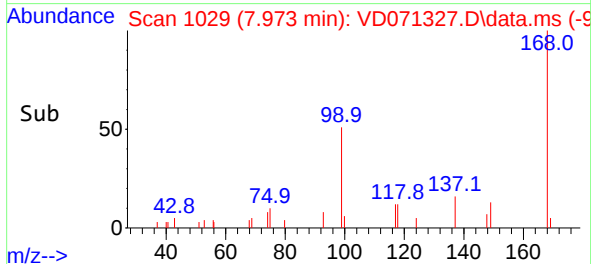


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

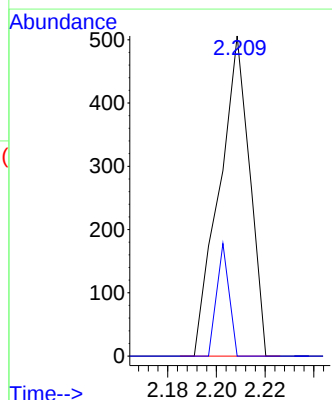
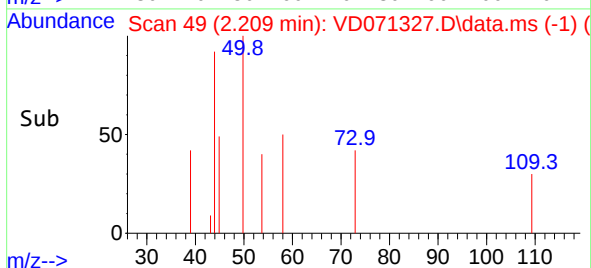
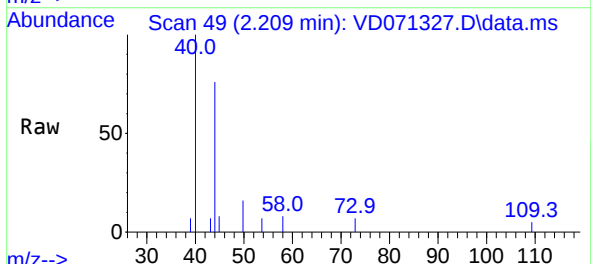


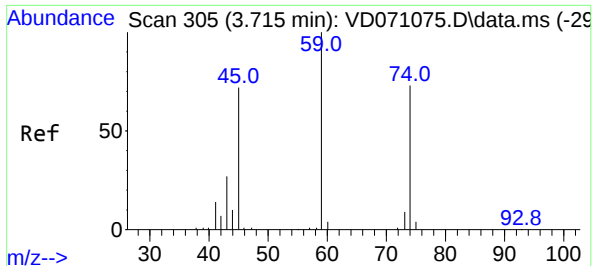
Tgt Ion:168 Resp: 9490
Ion Ratio Lower Upper
168 100
99 51.3 46.6 69.8



#3
Chloromethane
Concen: 4.082 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 50 Resp: 437
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

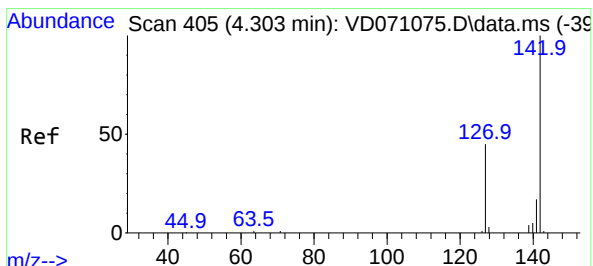
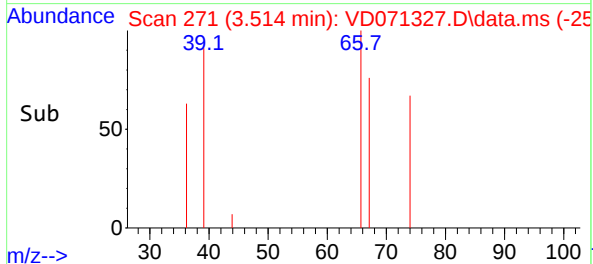
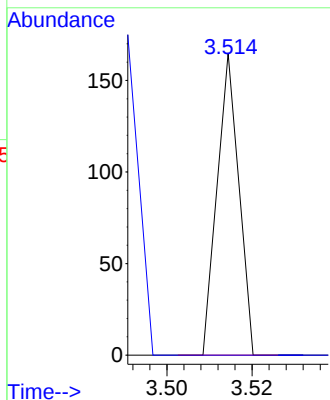
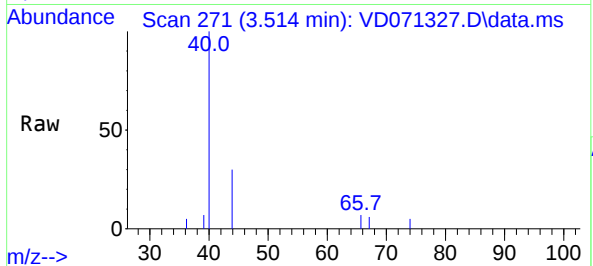




#8
Diethyl Ether
Concen: 1.322 ug/l
RT: 3.514 min Scan# 21
Delta R.T. -0.201 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

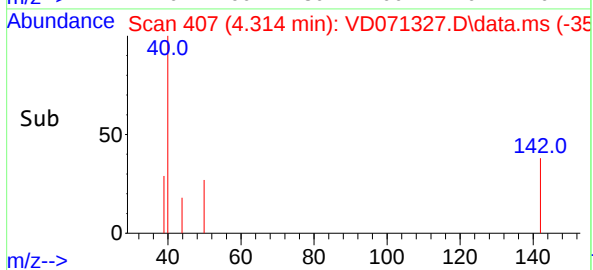
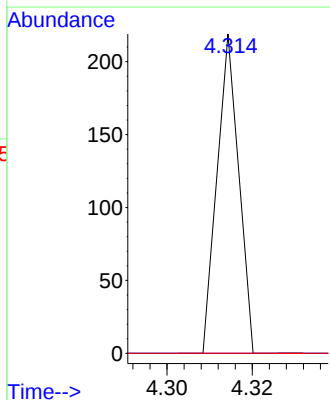
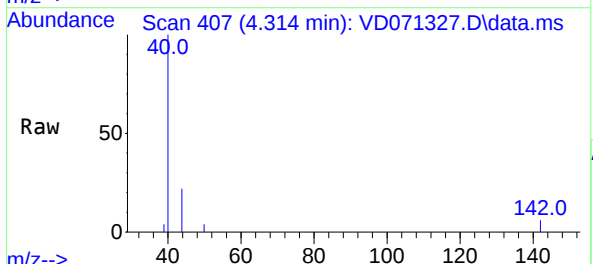
Instrument :
MSVOA_D
ClientSampleId :

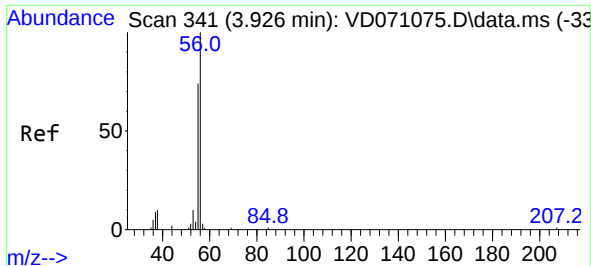
Tgt Ion: 74 Resp: 58
Ion Ratio Lower Upper
74 100
45 0.0 49.6 149.0#



#10
Methyl Iodide
Concen: 5.191 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

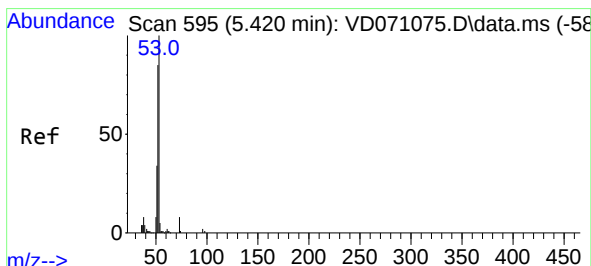
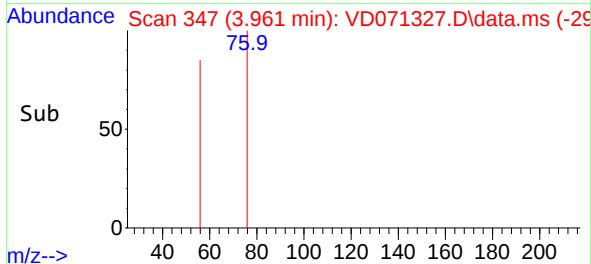
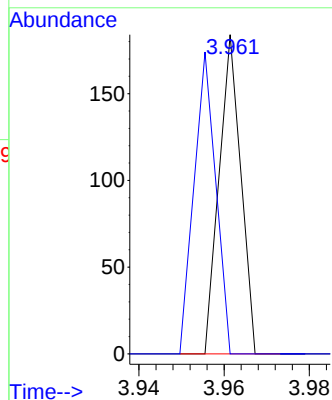
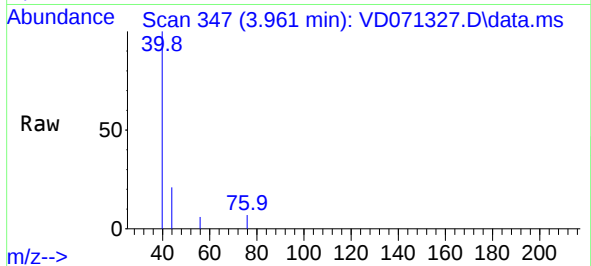




#13
Acrolein
Concen: 8.542 ug/l
RT: 3.961 min Scan# 341
Delta R.T. 0.035 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

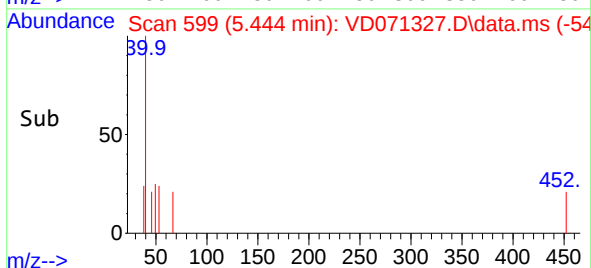
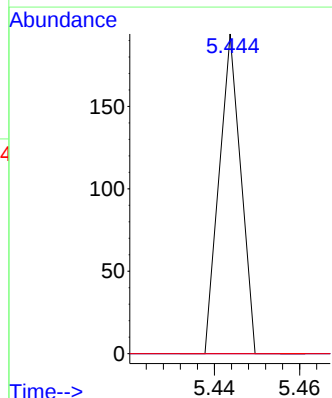
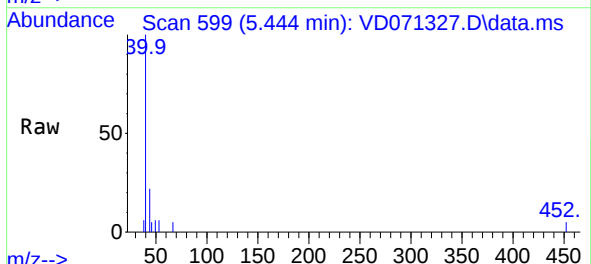
Instrument :
MSVOA_D
ClientSampleId :

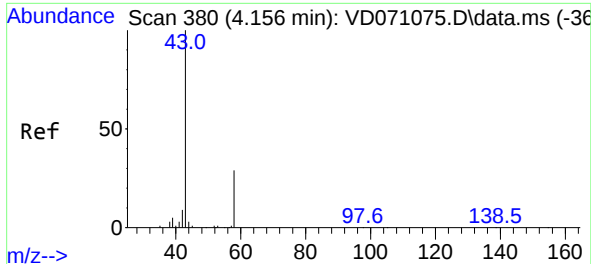
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 93.8 58.6 87.8#



#15
Acrylonitrile
Concen: 3.187 ug/l
RT: 5.444 min Scan# 599
Delta R.T. 0.024 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 53 Resp: 68
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#





#16

Acetone

Concen: 39.811 ug/l

RT: 4.185 min Scan# 304

Delta R.T. 0.029 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

Instrument :

MSVOA_D

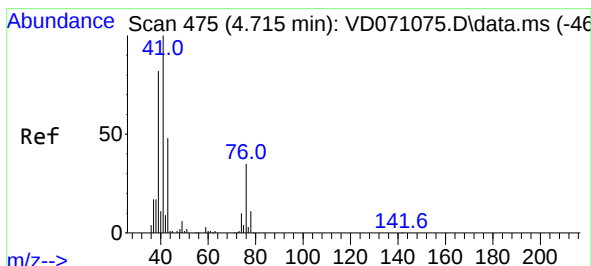
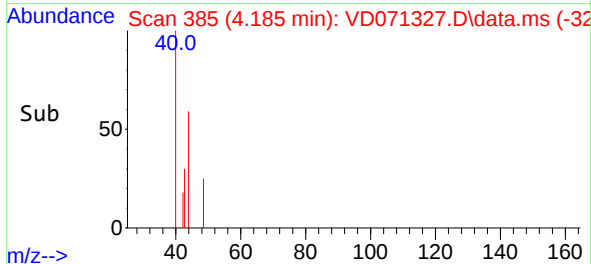
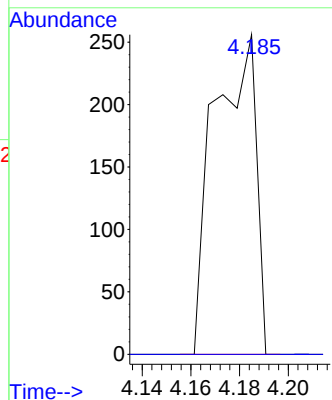
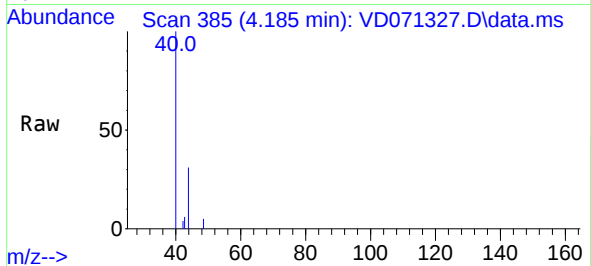
ClientSampleId :

Tgt Ion: 43 Resp: 304

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#18

Methyl Acetate

Concen: 2.337 ug/l

RT: 4.685 min Scan# 470

Delta R.T. -0.030 min

Lab File: VD071327.D

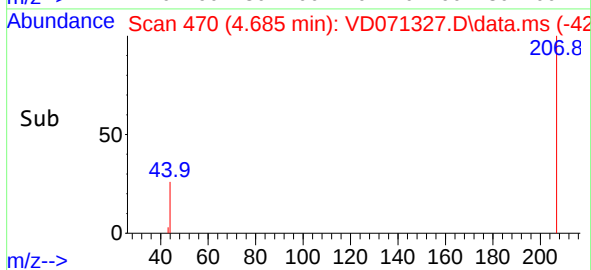
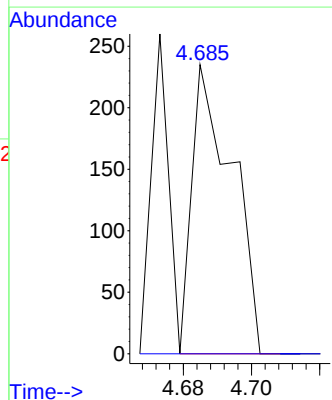
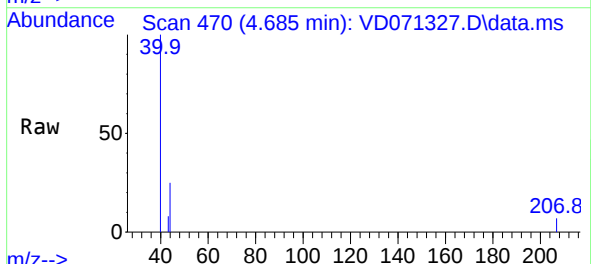
Acq: 14 Dec 2021 18:17

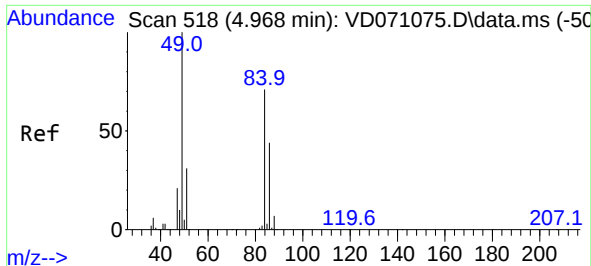
Tgt Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.955 min Scan# 51

Delta R.T. -0.013 min

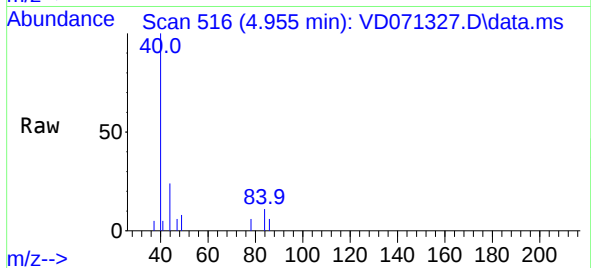
Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 129

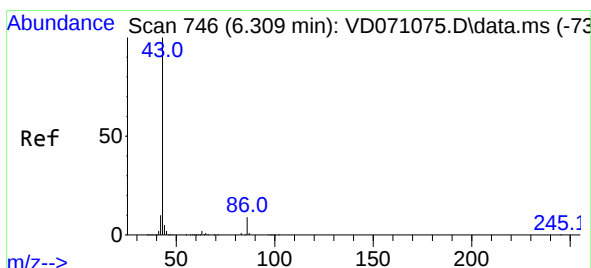
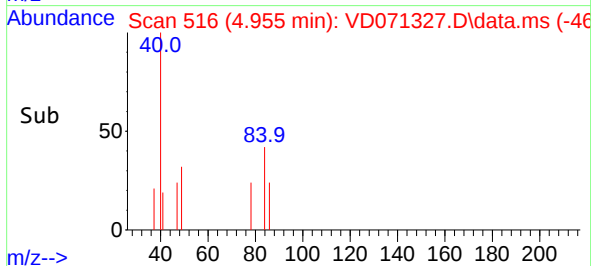
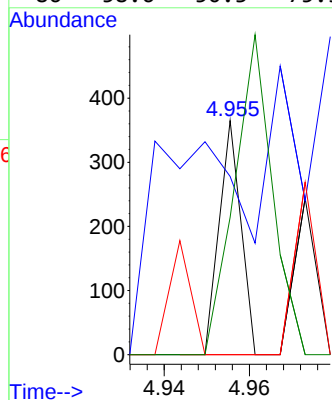
Ion Ratio Lower Upper

84 100

49 0.0 95.8 143.6#

51 0.0 30.9 46.3#

86 58.6 50.3 75.5



#23

Vinyl Acetate

Concen: 27.675 ug/l

RT: 6.349 min Scan# 753

Delta R.T. 0.040 min

Lab File: VD071327.D

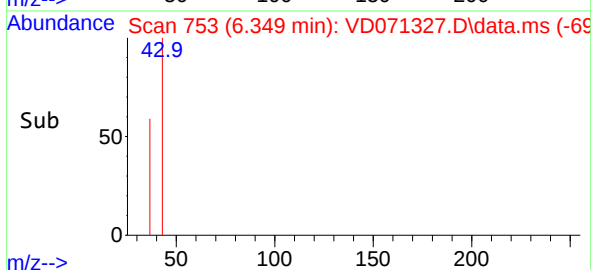
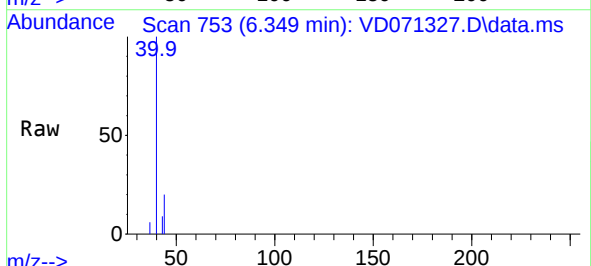
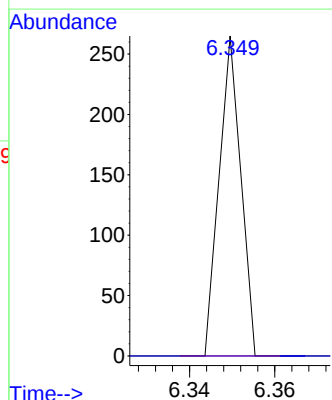
Acq: 14 Dec 2021 18:17

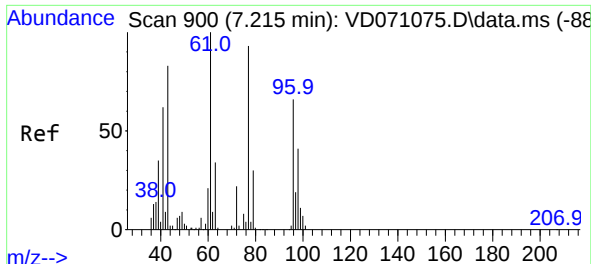
Tgt Ion: 43 Resp: 93

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 30.176 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.005 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

Instrument :

MSVOA_D

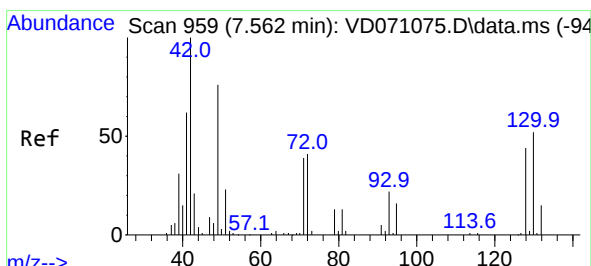
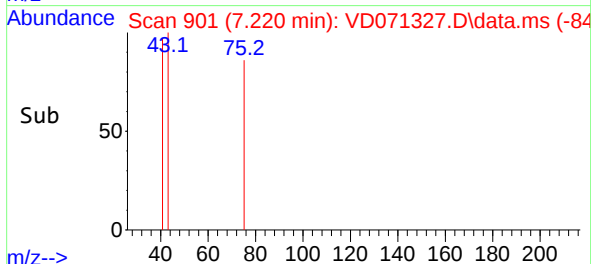
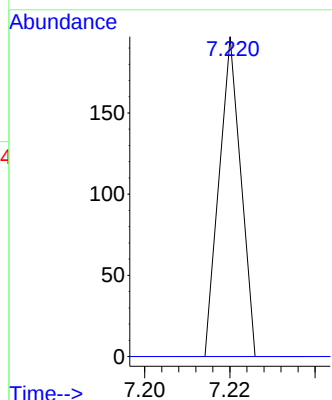
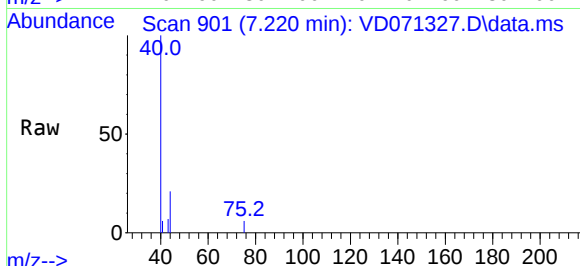
ClientSampleId :

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 3.111 ug/l

RT: 7.544 min Scan# 956

Delta R.T. -0.018 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

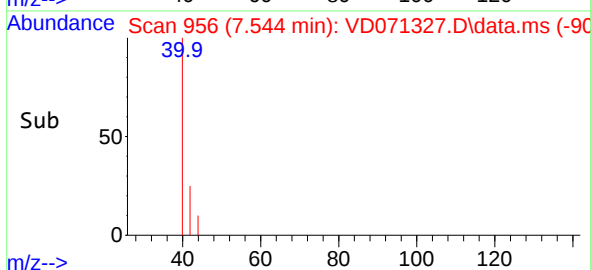
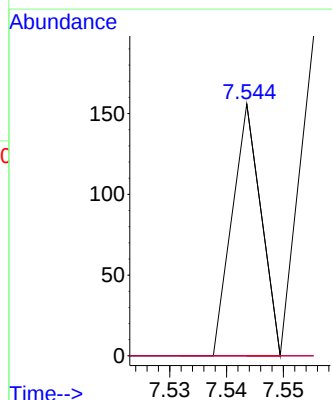
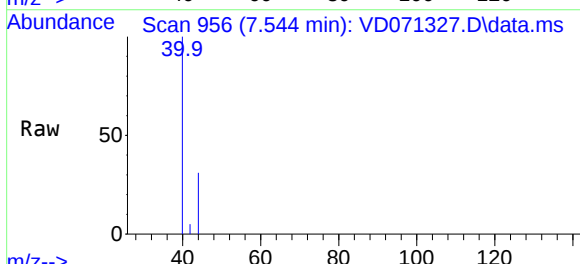
Tgt Ion: 42 Resp: 55

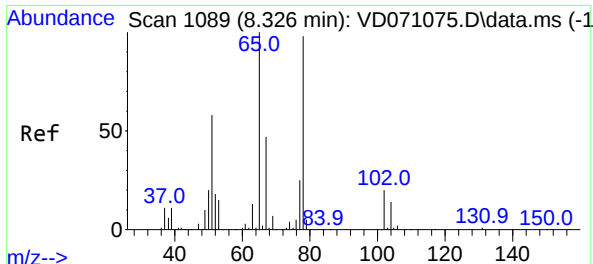
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#

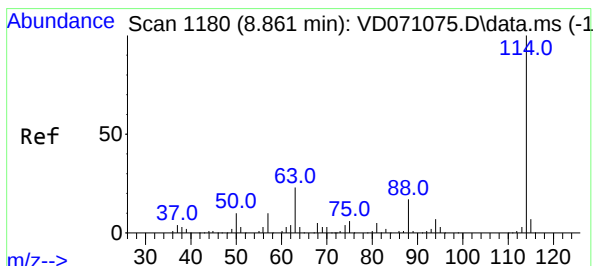
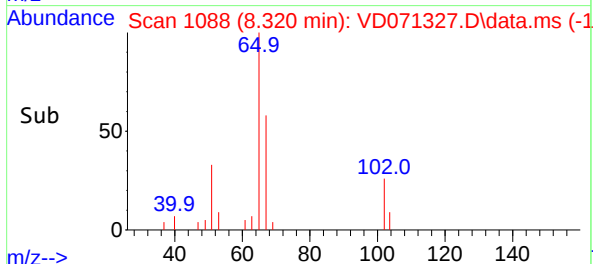
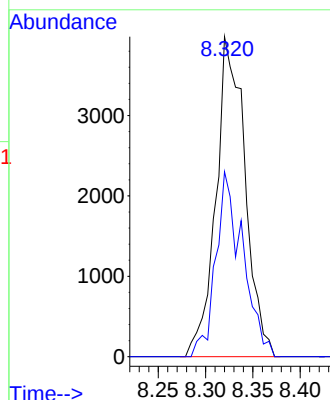
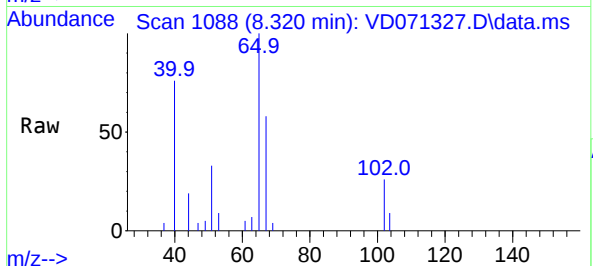




#33
1,2-Dichloroethane-d4
Concen: 76.360 ug/l
RT: 8.320 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

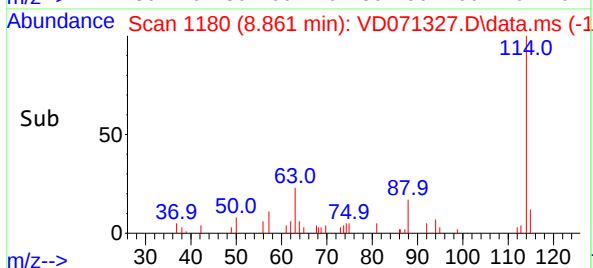
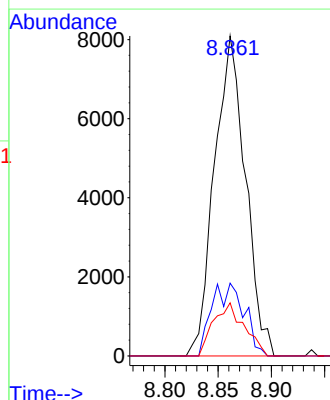
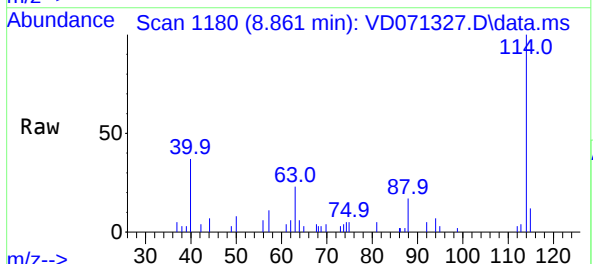
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MSVOA_D
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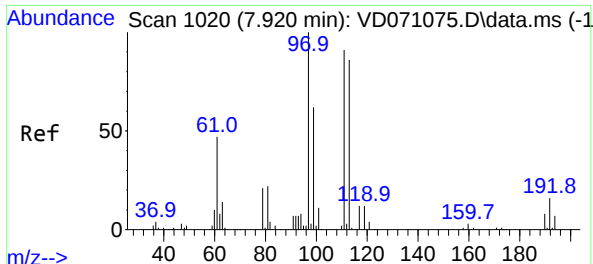
Tgt Ion: 65 Resp: 8503
Ion Ratio Lower Upper
65 100
67 53.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 114 Resp: 16365
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.8
88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.533 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

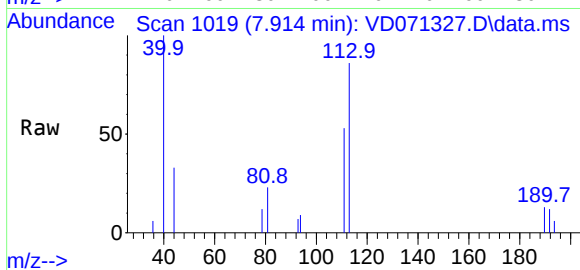
Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :



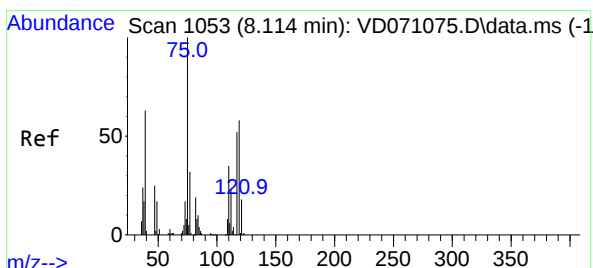
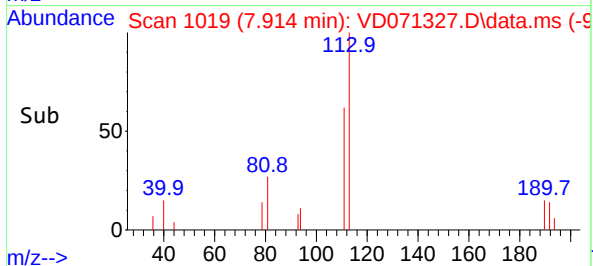
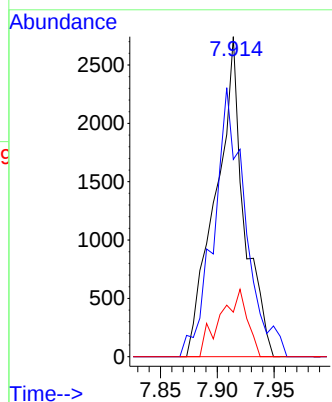
Tgt Ion:113 Resp: 4745

Ion Ratio Lower Upper

113 100

111 93.6 82.0 123.0

192 20.1 15.2 22.8



#36

1,1-Dichloropropene

Concen: 2.197 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

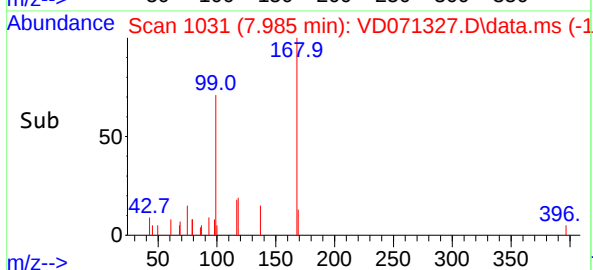
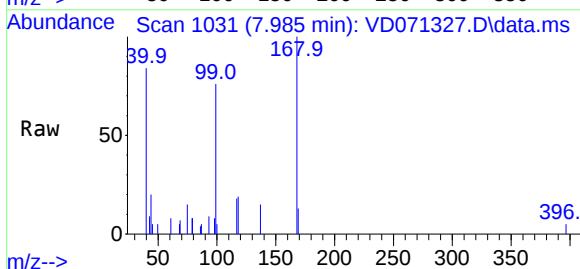
Tgt Ion: 75 Resp: 336

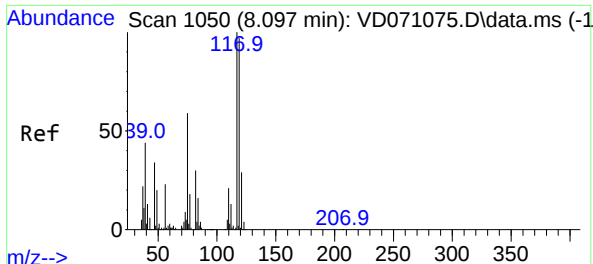
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

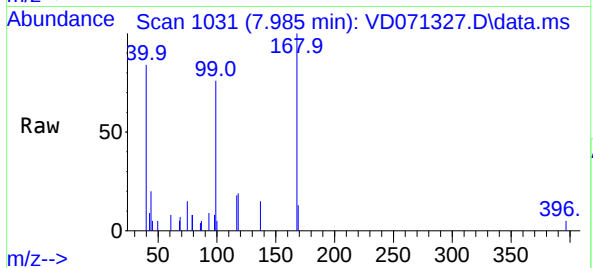
77 0.0 24.8 37.2#



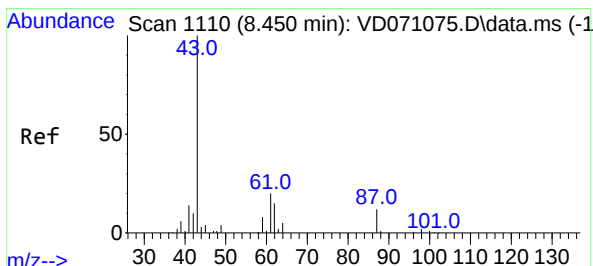
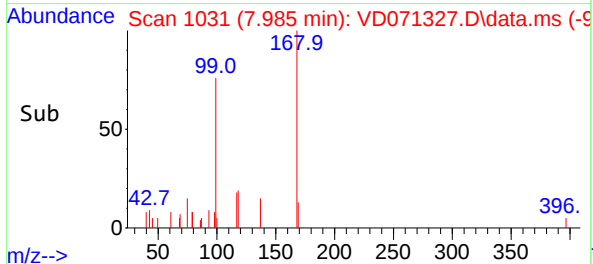
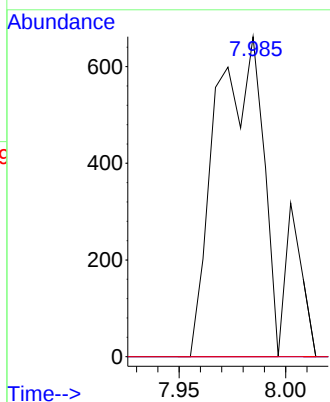


#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 7.985 min Scan# 10
Delta R.T. -0.112 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

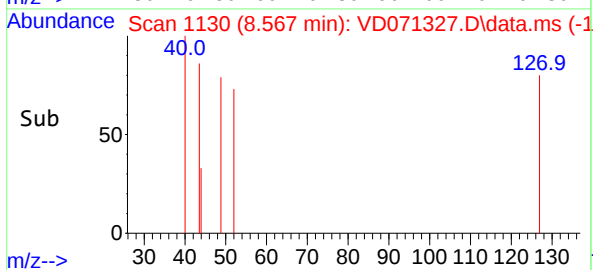
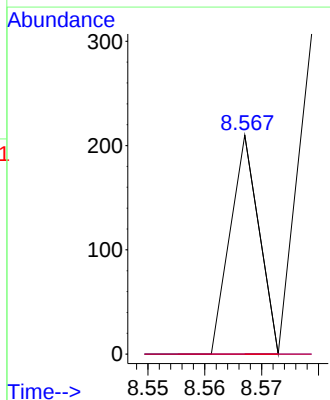
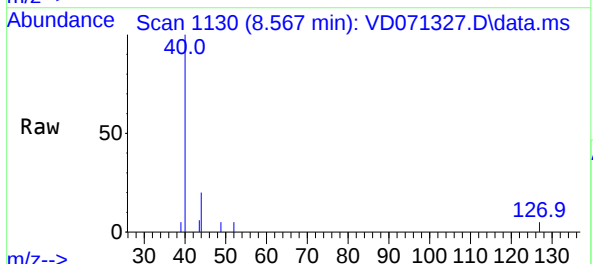


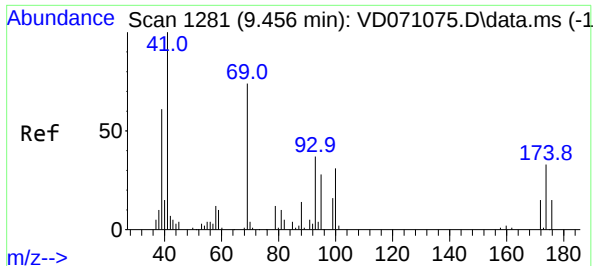
Tgt Ion:117 Resp: 1018
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.679 ug/l
RT: 8.567 min Scan# 1130
Delta R.T. 0.117 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 2.196 ug/l

RT: 9.414 min Scan# 11

Delta R.T. -0.042 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

Instrument :

MSVOA_D

ClientSampleId :

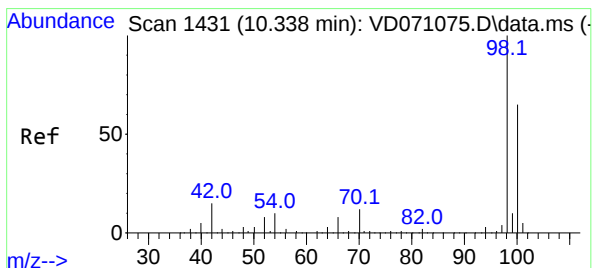
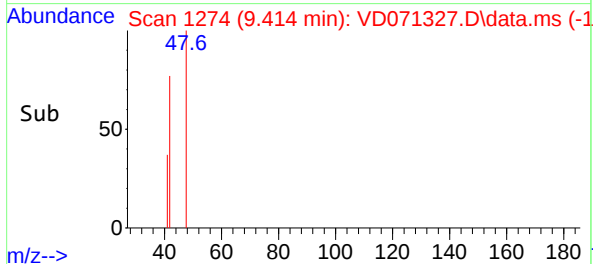
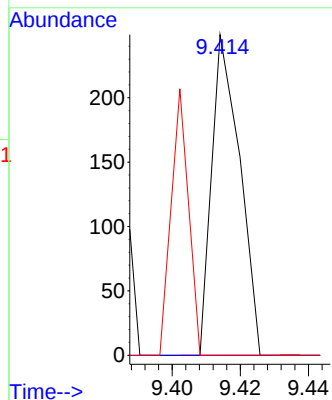
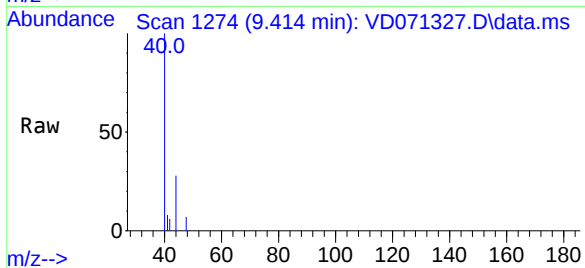
Tgt Ion: 41 Resp: 142

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 51.4 35.6 53.4



#50

Toluene-d8

Concen: 49.655 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071327.D

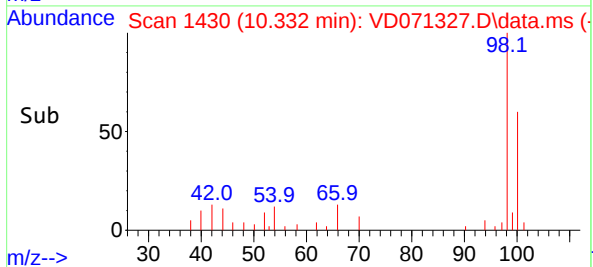
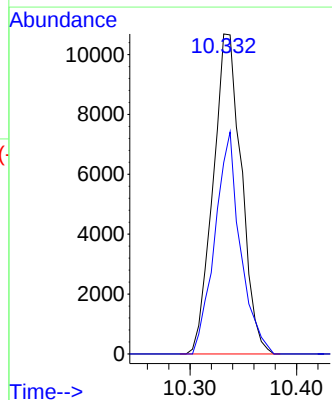
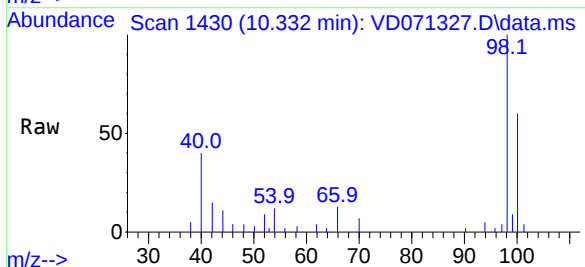
Acq: 14 Dec 2021 18:17

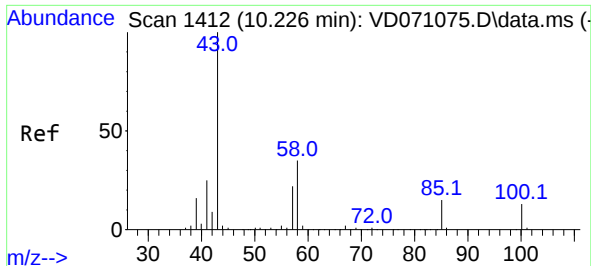
Tgt Ion: 98 Resp: 19692

Ion Ratio Lower Upper

98 100

100 62.6 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 31.441 ug/l

RT: 10.149 min Scan# 11

Delta R.T. -0.077 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

Instrument :

MSVOA_D

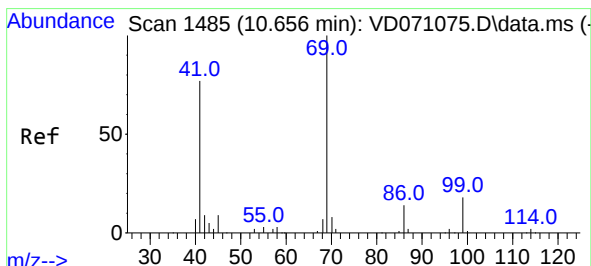
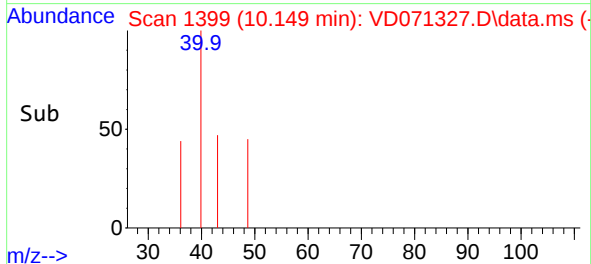
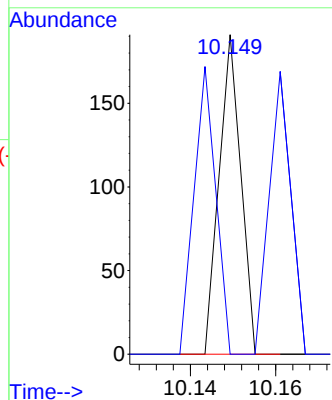
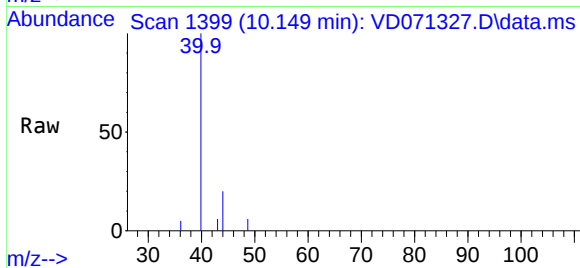
ClientSampleId :

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

58 91.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 6.686 ug/l

RT: 10.390 min Scan# 1440

Delta R.T. -0.266 min

Lab File: VD071327.D

Acq: 14 Dec 2021 18:17

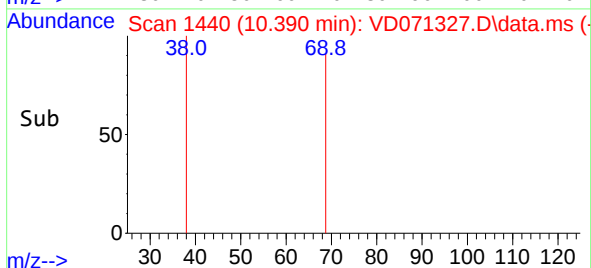
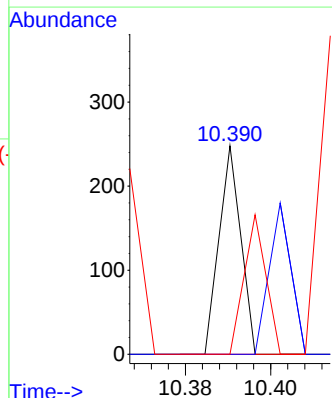
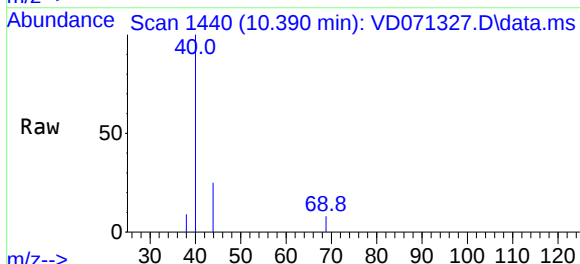
Tgt Ion: 69 Resp: 87

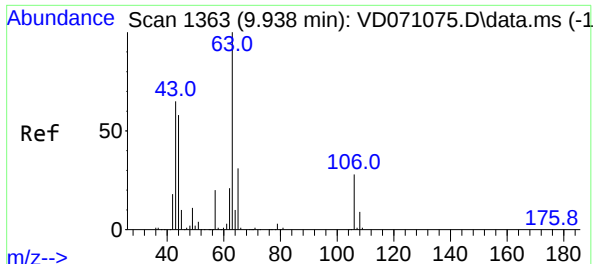
Ion Ratio Lower Upper

69 100

41 73.6 50.2 75.2

39 67.8 19.8 29.8#

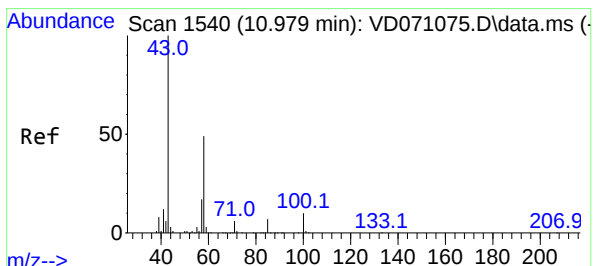
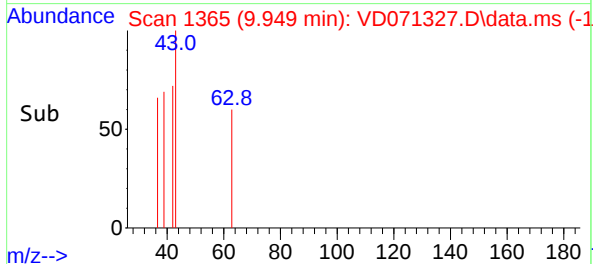
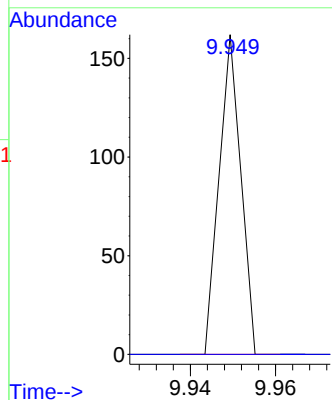
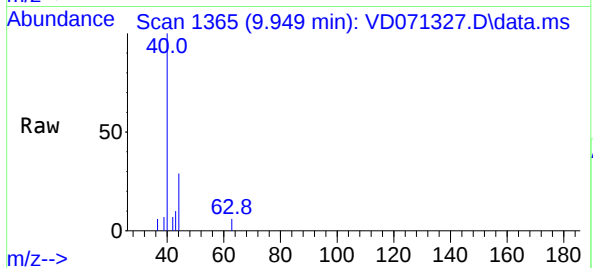




#58
2-Chloroethyl Vinyl ether
Concen: 1.126 ug/l
RT: 9.949 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

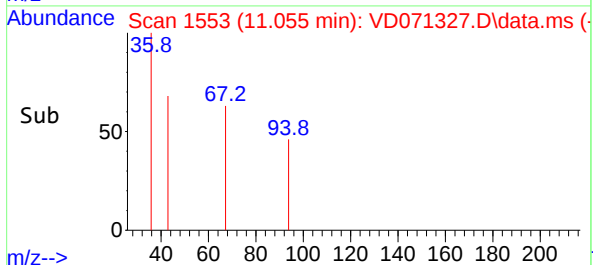
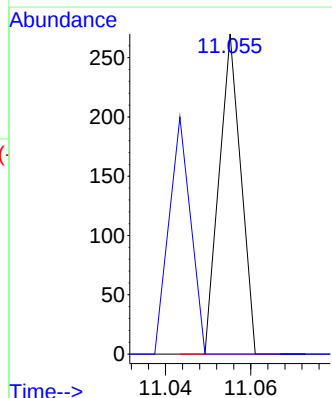
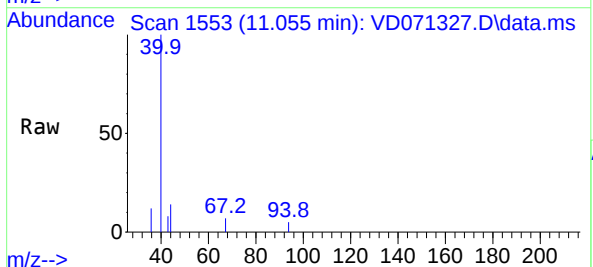
Instrument :
MSVOA_D
ClientSampleId :

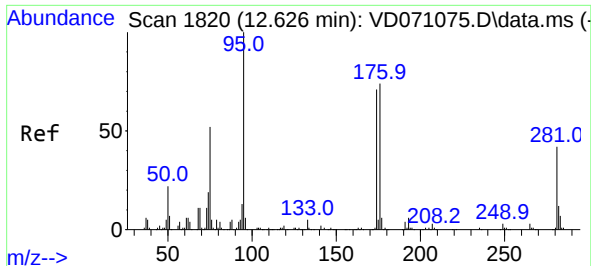
Tgt Ion: 63 Resp: 57
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#



#59
2-Hexanone
Concen: 36.032 ug/l
RT: 11.055 min Scan# 1553
Delta R.T. 0.076 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
58 74.7 28.7 86.1

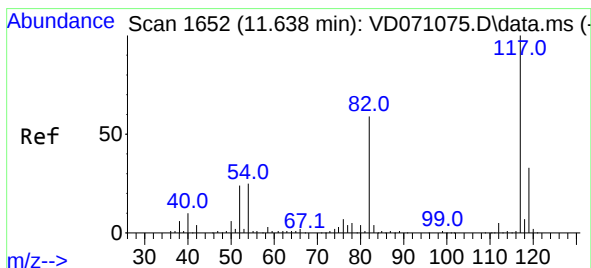
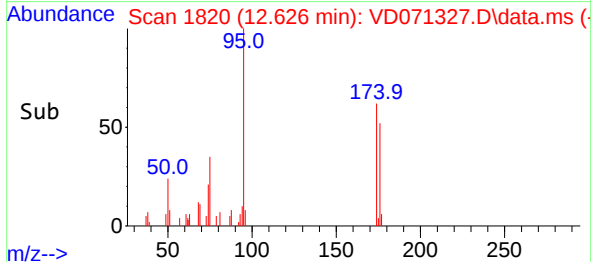
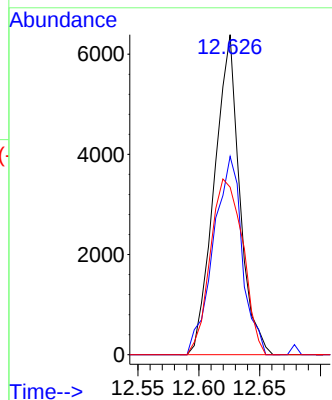
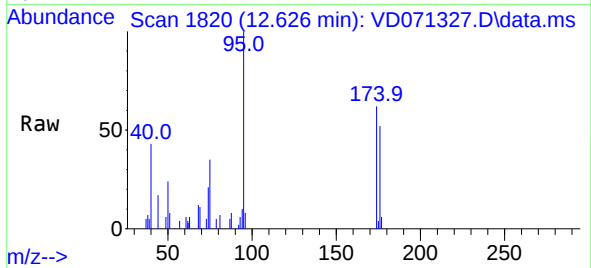




#62
4-Bromofluorobenzene
Concen: 67.383 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

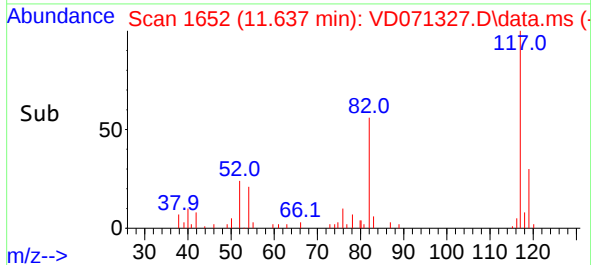
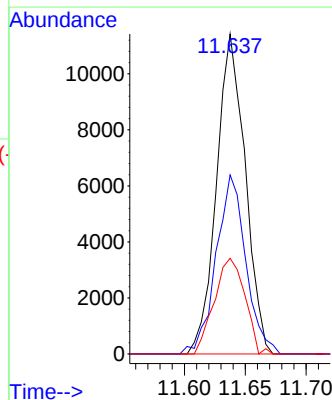
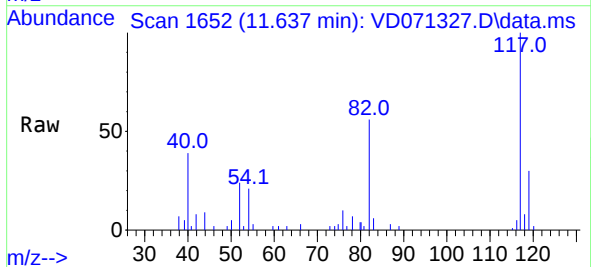
Instrument :
MSVOA_D
ClientSampleId :

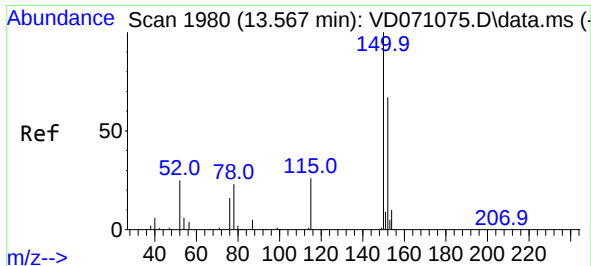
Tgt Ion:	95	Resp:	9263
Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	159.4
176	70.5	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion:	117	Resp:	18730
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.7	67.1
119	29.9	26.2	39.4

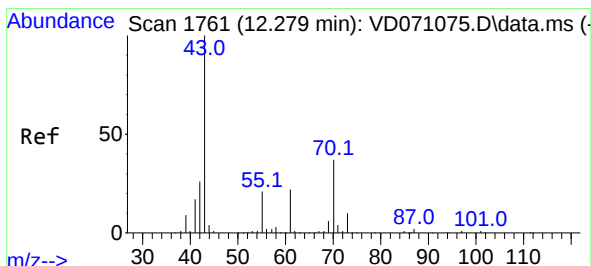
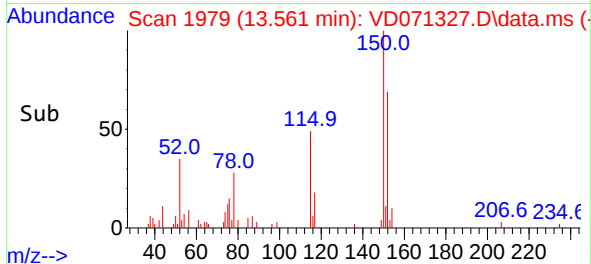
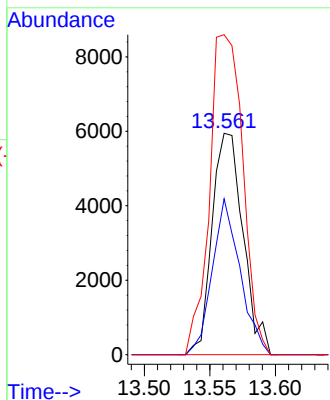
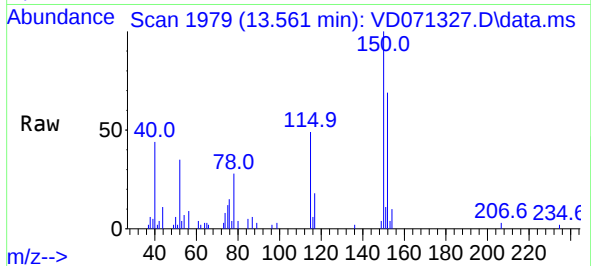




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

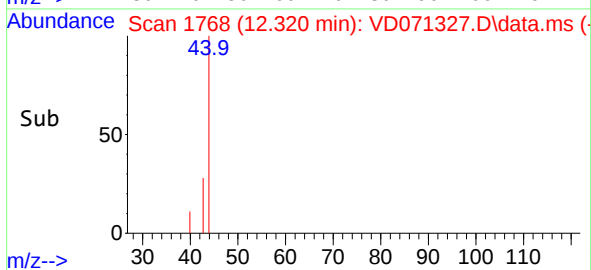
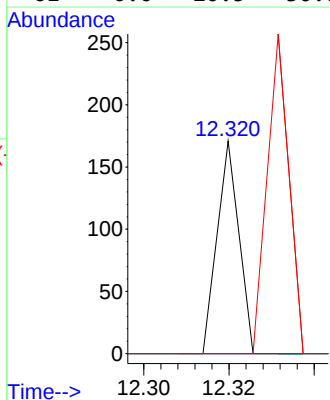
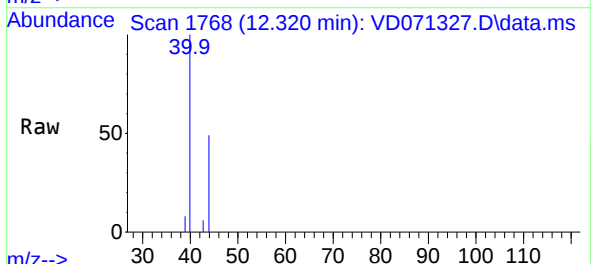
Instrument :
MSVOA_D
ClientSampleId :

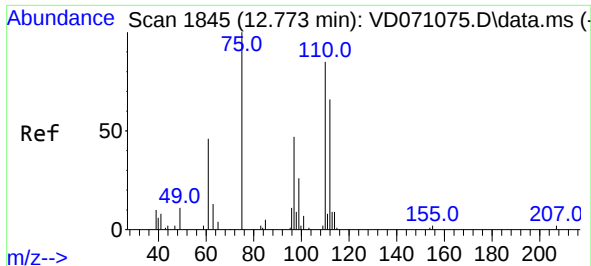
Tgt Ion:152 Resp: 9773
Ion Ratio Lower Upper
152 100
115 63.2 29.8 89.3
150 155.8 0.0 349.2



#74
N-ethyl acetate
Concen: 5.975 ug/l
RT: 12.320 min Scan# 1768
Delta R.T. 0.041 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 151.7 22.5 33.7#
61 0.0 20.5 30.7#

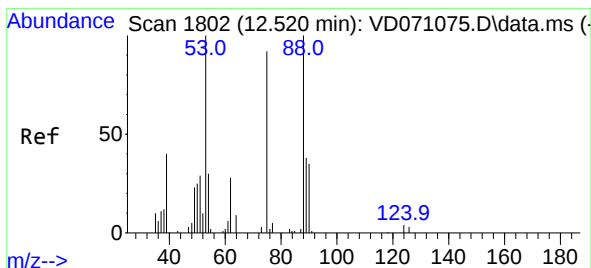
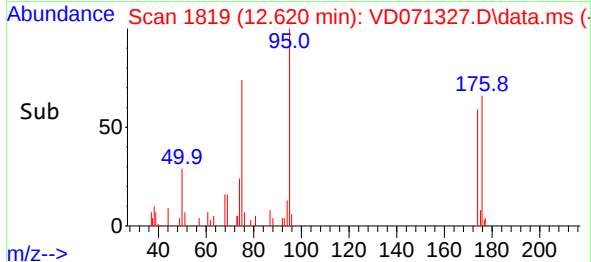
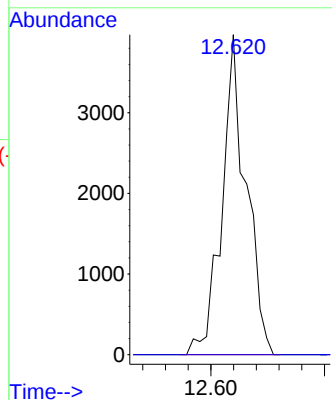
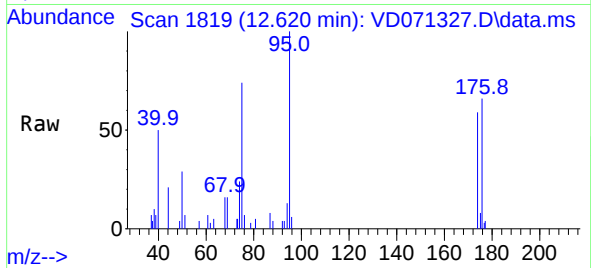




#76
1,2,3-Trichloropropane
Concen: 63.074 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 5873
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.264 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071327.D
Acq: 14 Dec 2021 18:17

Tgt Ion: 75 Resp: 5873
Ion Ratio Lower Upper
75 100
53 1.2 62.6 94.0#
89 0.0 34.5 51.7#

