

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071325.D
 Acq On : 14 Dec 2021 17:21
 Operator : VA/SY
 Sample : M5065-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:31:56 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)

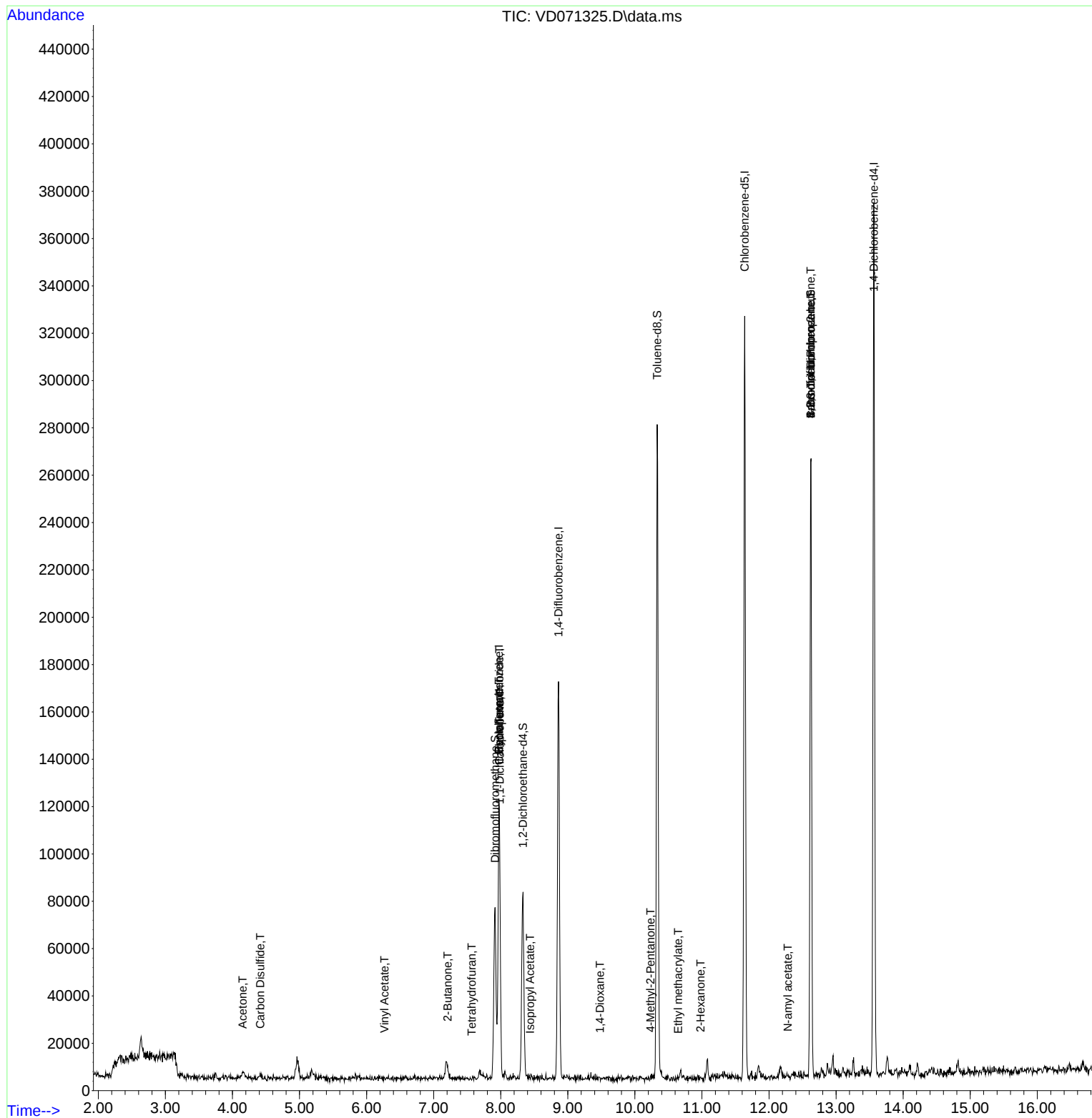
Internal Standards						
1) Pentafluorobenzene	7.973	168	79477	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	133494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	167004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	88275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	62155	66.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.300%			
35) Dibromofluoromethane	7.914	113	49875	58.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.340%			
50) Toluene-d8	10.332	98	181792	56.196	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.400%			
62) 4-Bromofluorobenzene	12.620	95	81263	72.468	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 144.940%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.203	59	1367	Below Cal	#	71
16) Acetone	4.150	43	4631	47.194	ug/l #	75
17) Carbon Disulfide	4.415	76	2597	1.202	ug/l #	73
23) Vinyl Acetate	6.268	43	57	27.252	ug/l #	72
25) 2-Butanone	7.209	43	187	28.939	ug/l #	45
29) Tetrahydrofuran	7.567	42	175	1.182	ug/l #	34
31) Cyclohexane	7.973	56	2538	1.600	ug/l #	32
36) 1,1-Dichloropropene	7.985	75	8042	6.446	ug/l #	42
38) Carbon Tetrachloride	7.979	117	9411	7.652	ug/l #	15
41) Methacrylonitrile	7.585	41	97	Below Cal	#	1
43) Isopropyl Acetate	8.438	43	555	5.642	ug/l #	47
49) 1,4-Dioxane	9.479	88	57	12.770	ug/l #	1
51) 4-Methyl-2-Pentanone	10.232	43	128	30.837	ug/l #	34
56) Ethyl methacrylate	10.644	69	122	6.093	ug/l #	75
59) 2-Hexanone	10.979	43	298	35.135	ug/l #	22
71) Bromoform	12.620	173	940	1.604	ug/l #	1
74) N-amyl acetate	12.279	43	530	5.969	ug/l #	37
76) 1,2,3-Trichloropropane	12.620	75	47316	56.259	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	47316	122.164	ug/l #	19

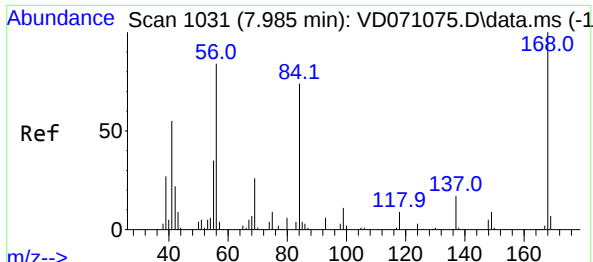
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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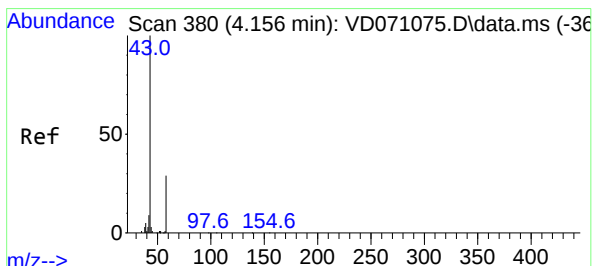
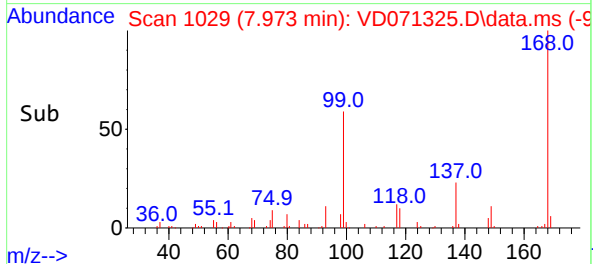
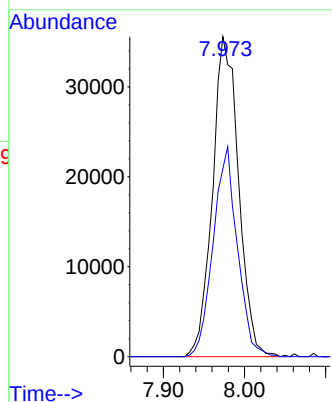
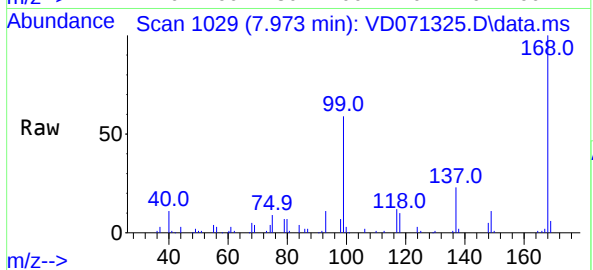




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

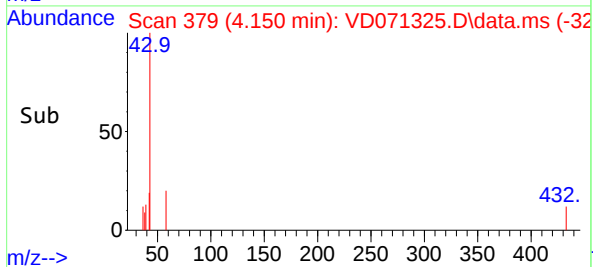
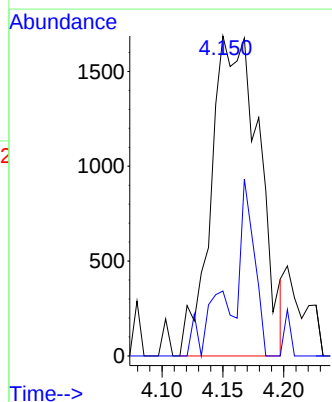
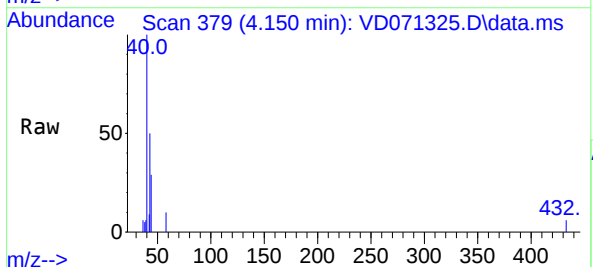
Instrument :
MSVOA_D
ClientSampleId :

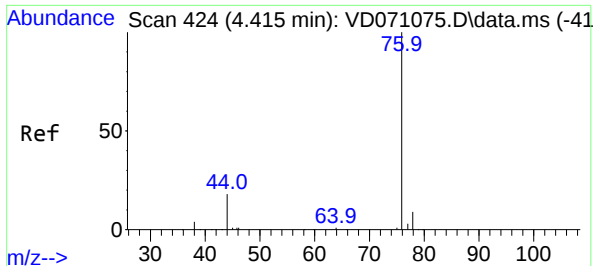
Tgt Ion:168 Resp: 79477
Ion Ratio Lower Upper
168 100
99 58.8 46.6 69.8



#16
Acetone
Concen: 47.194 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Tgt Ion: 43 Resp: 4631
Ion Ratio Lower Upper
43 100
58 20.3 27.8 41.8#

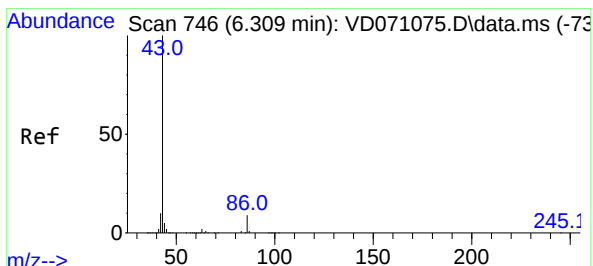
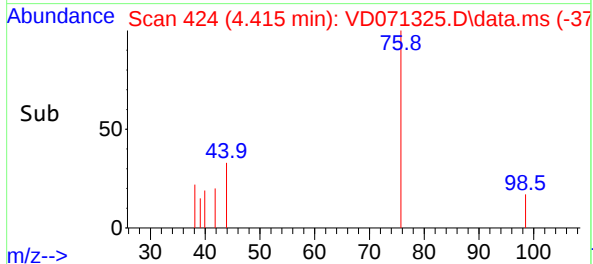
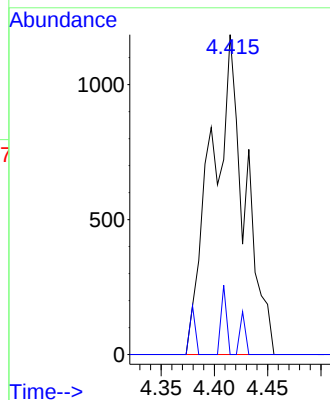
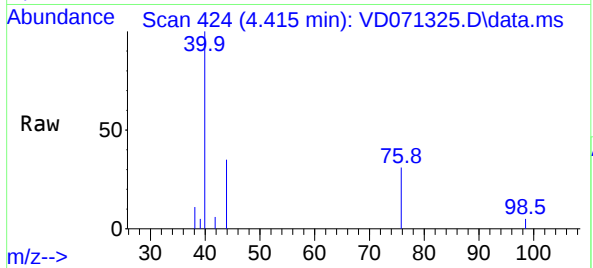




#17
Carbon Disulfide
Concen: 1.202 ug/l
RT: 4.415 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

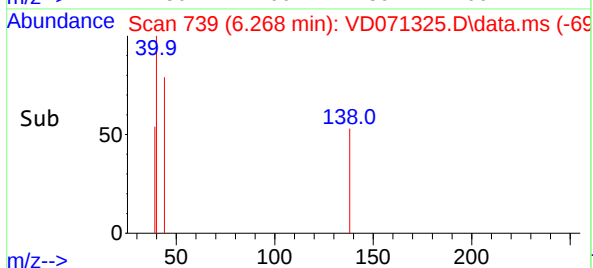
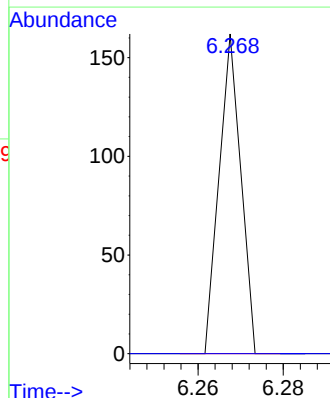
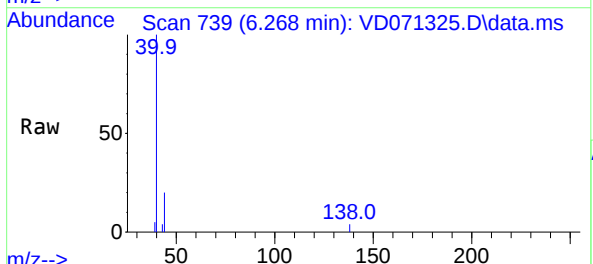
Instrument :
MSVOA_D
ClientSampleId :

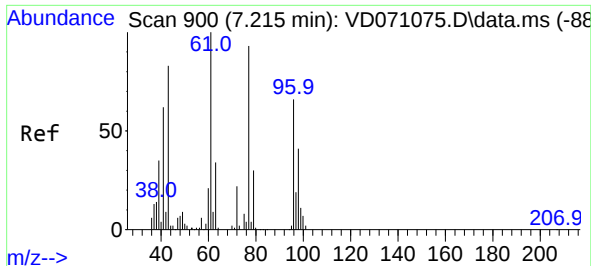
Tgt Ion: 76 Resp: 2597
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#23
Vinyl Acetate
Concen: 27.252 ug/l
RT: 6.268 min Scan# 739
Delta R.T. -0.042 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 28.939 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD071325.D

Acq: 14 Dec 2021 17:21

Instrument :

MSVOA_D

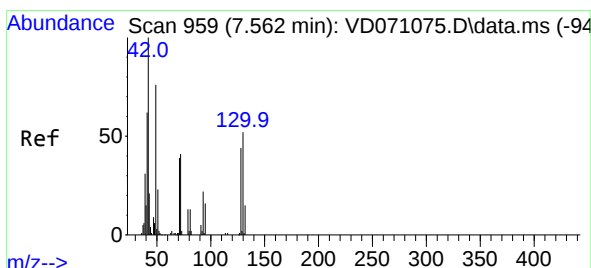
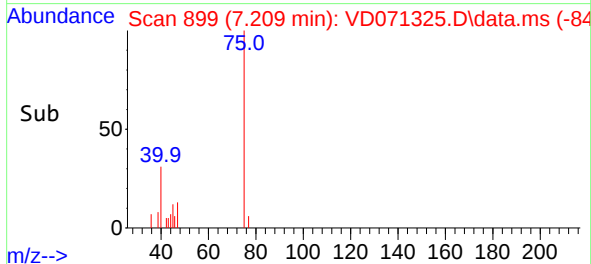
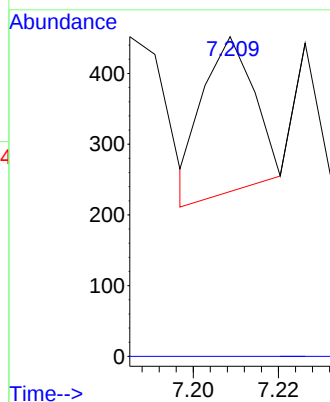
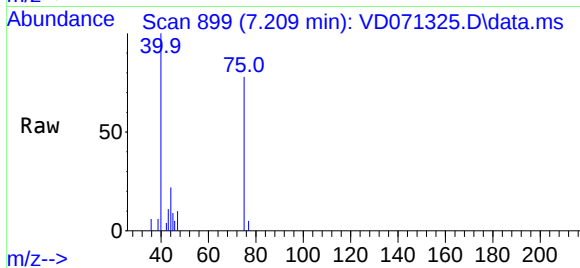
ClientSampleId :

Tgt Ion: 43 Resp: 187

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#29

Tetrahydrofuran

Concen: 1.182 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.005 min

Lab File: VD071325.D

Acq: 14 Dec 2021 17:21

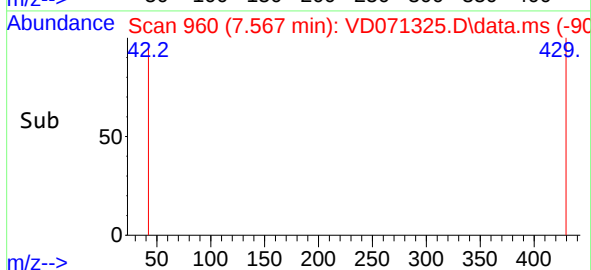
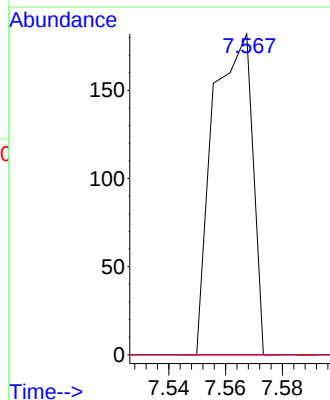
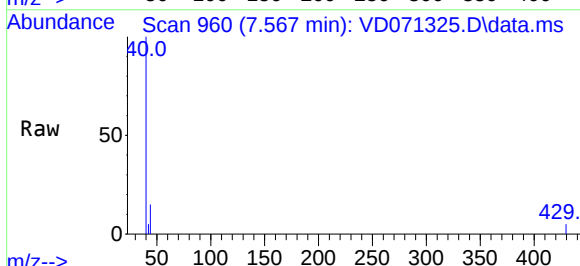
Tgt Ion: 42 Resp: 175

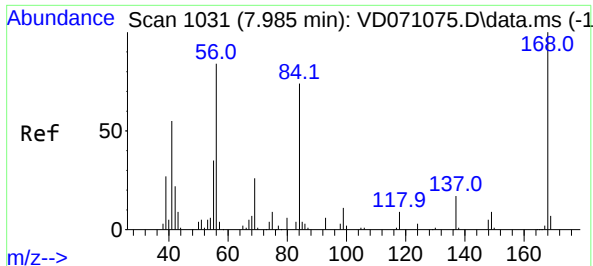
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.600 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071325.D

Acq: 14 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

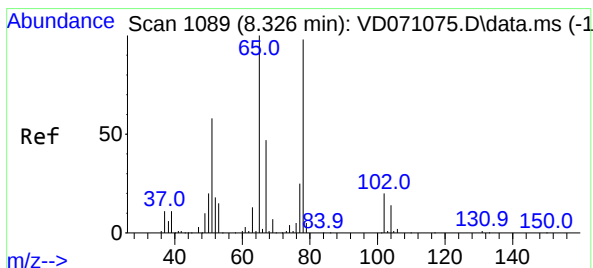
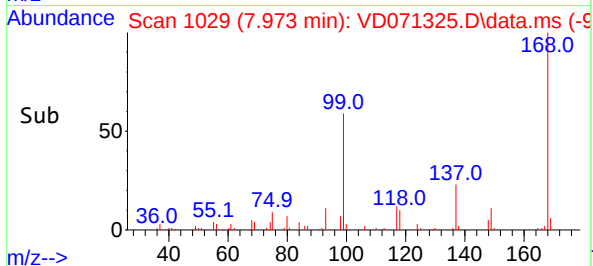
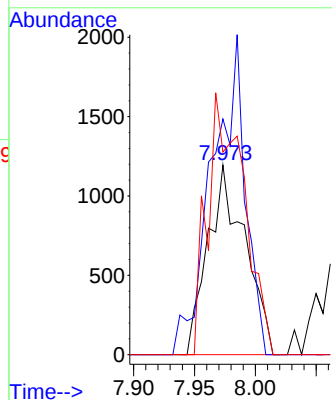
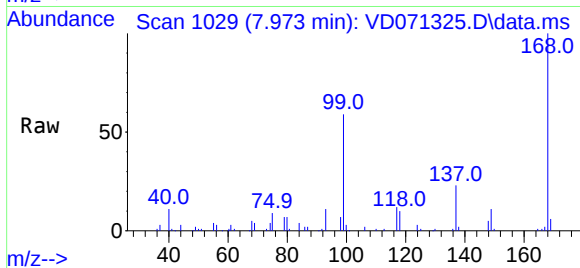
Tgt Ion: 56 Resp: 2538

Ion Ratio Lower Upper

56 100

69 124.3 25.9 38.9#

84 106.8 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 66.649 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071325.D

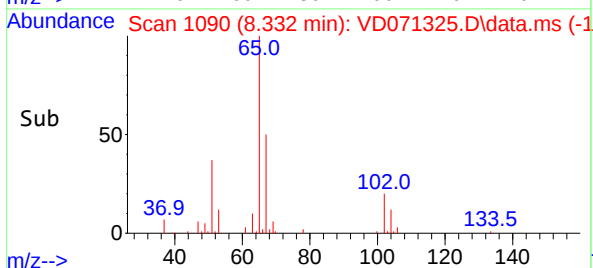
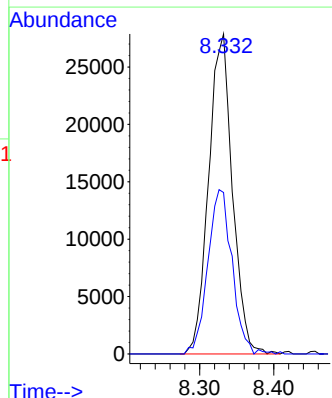
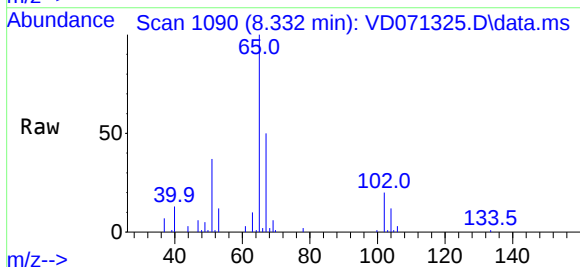
Acq: 14 Dec 2021 17:21

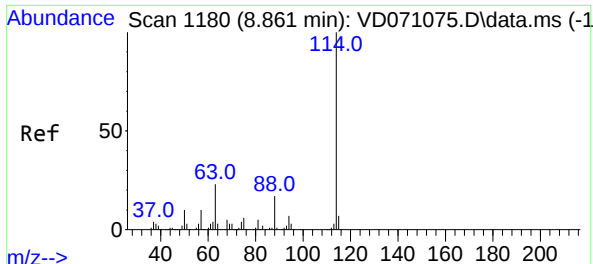
Tgt Ion: 65 Resp: 62155

Ion Ratio Lower Upper

65 100

67 52.5 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: VD071325.D

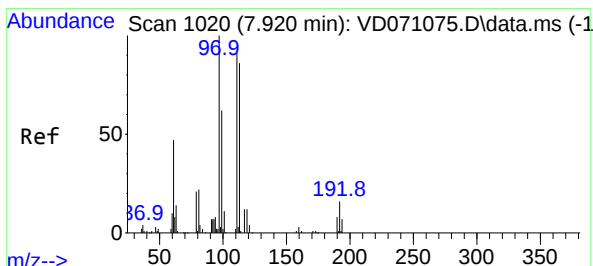
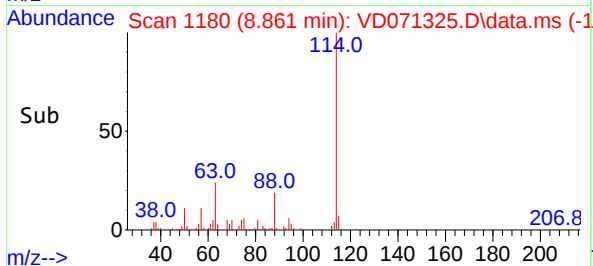
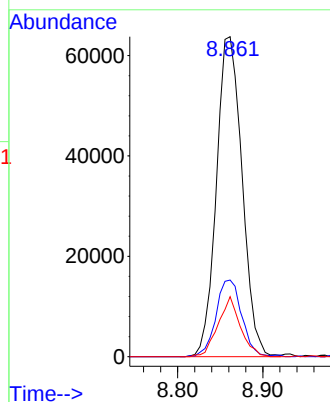
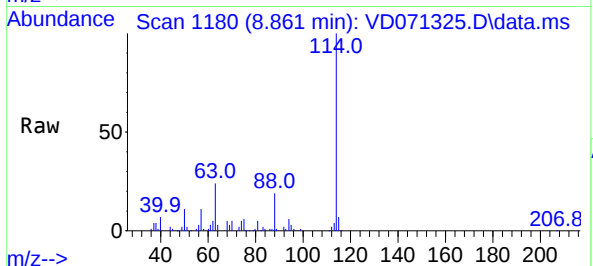
Acq: 14 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	133494
Ion	Ratio	Lower Upper
114	100	
63	24.0	0.0 41.8
88	18.7	0.0 32.8



#35

Dibromofluoromethane

Concen: 58.671 ug/l

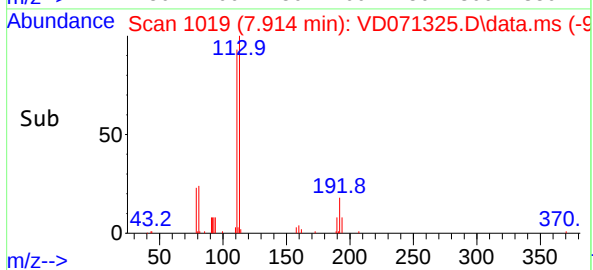
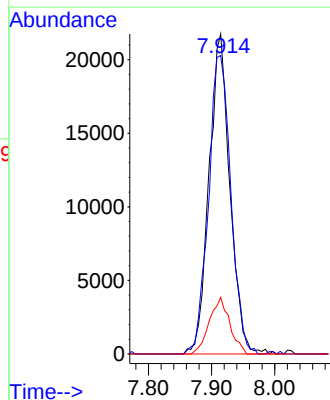
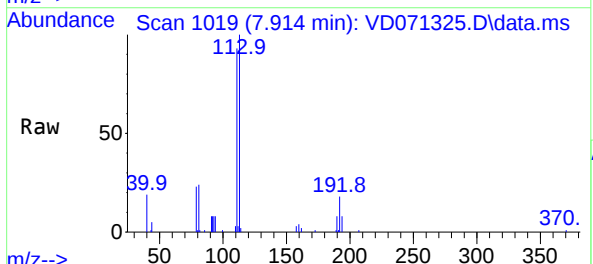
RT: 7.914 min Scan# 1019

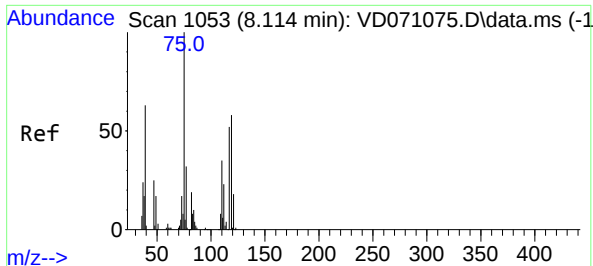
Delta R.T. -0.006 min

Lab File: VD071325.D

Acq: 14 Dec 2021 17:21

Tgt Ion:113	Resp:	49875
Ion	Ratio	Lower Upper
113	100	
111	100.1	82.0 123.0
192	17.3	15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.446 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071325.D

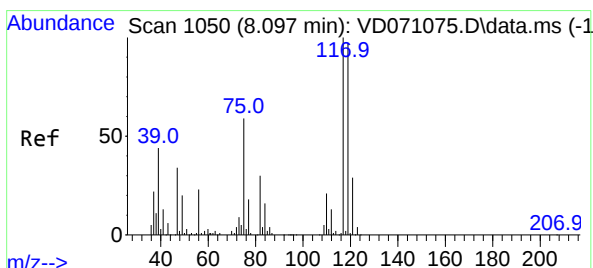
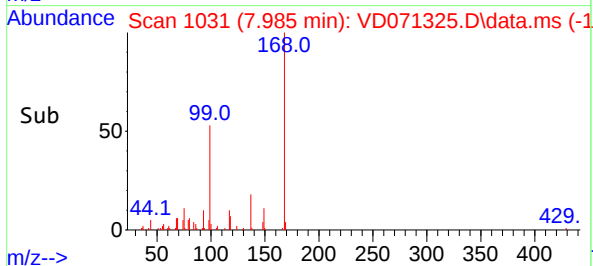
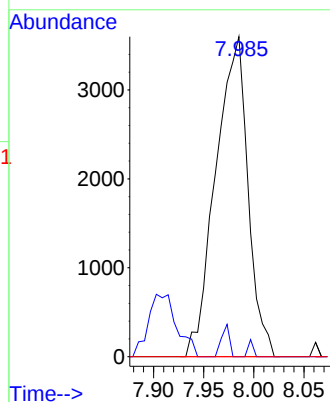
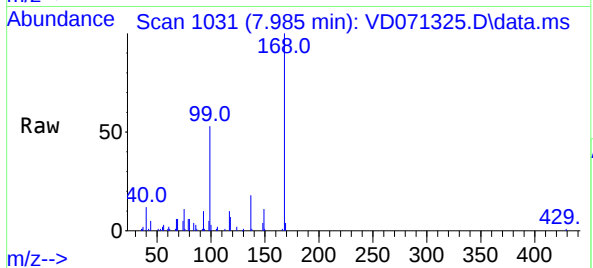
Acq: 14 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	8042
Ion	Ratio	Lower	Upper
75	100		
110	0.8	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.652 ug/l

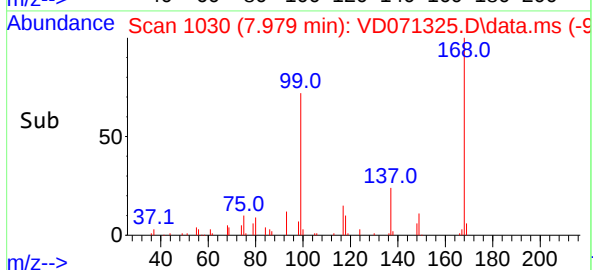
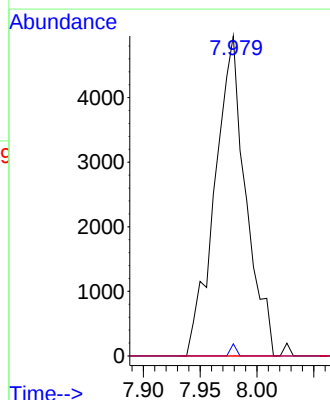
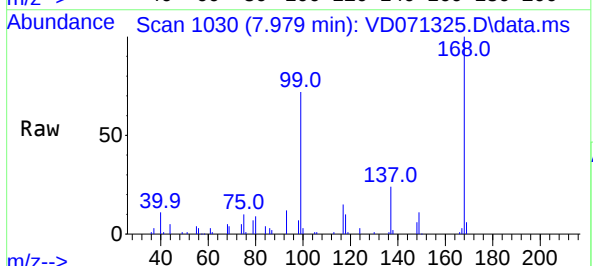
RT: 7.979 min Scan# 1030

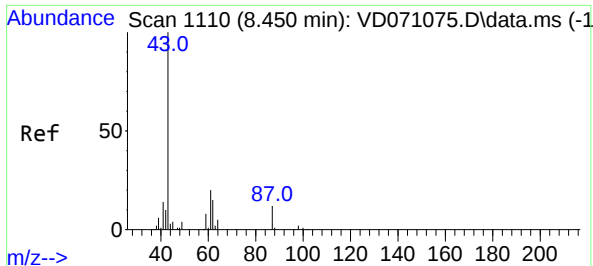
Delta R.T. -0.118 min

Lab File: VD071325.D

Acq: 14 Dec 2021 17:21

Tgt Ion:	117	Resp:	9411
Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.642 ug/l

RT: 8.438 min Scan# 1110

Delta R.T. -0.012 min

Lab File: VD071325.D

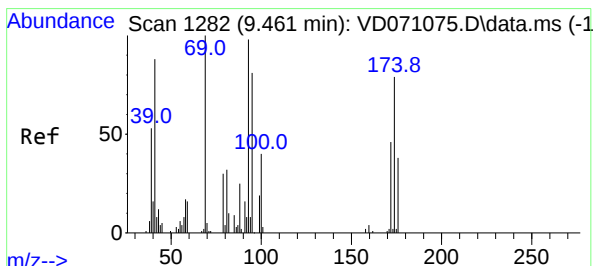
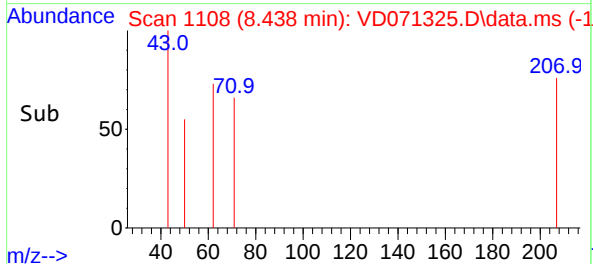
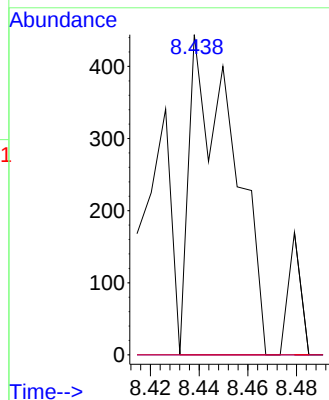
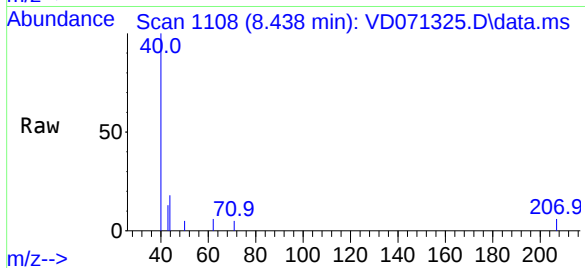
Acq: 14 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 555
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#49

1,4-Dioxane

Concen: 12.770 ug/l

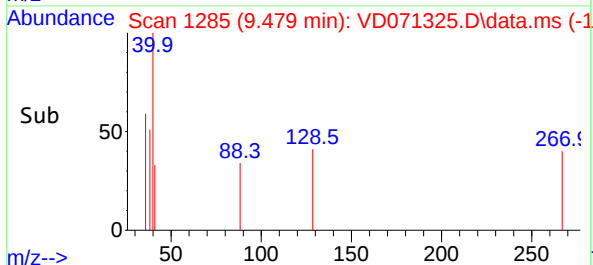
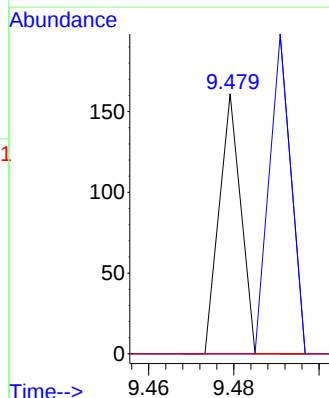
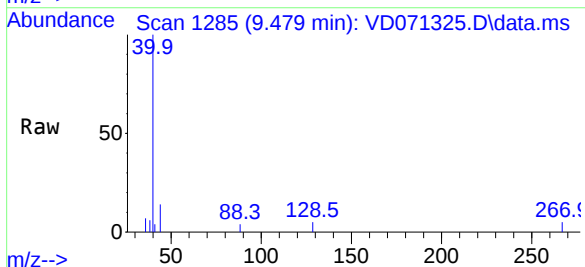
RT: 9.479 min Scan# 1285

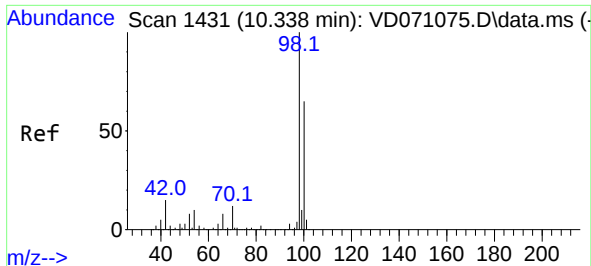
Delta R.T. 0.018 min

Lab File: VD071325.D

Acq: 14 Dec 2021 17:21

Tgt Ion: 88	Resp: 57
Ion Ratio	Lower Upper
88 100	
43 122.8	28.9 43.3#
58 0.0	56.3 84.5#

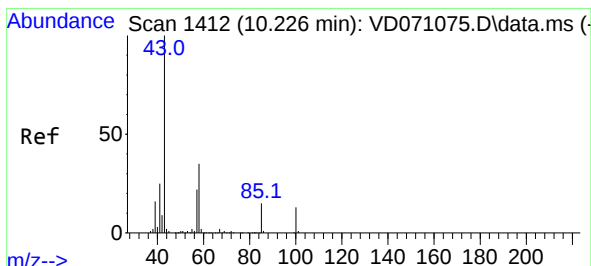
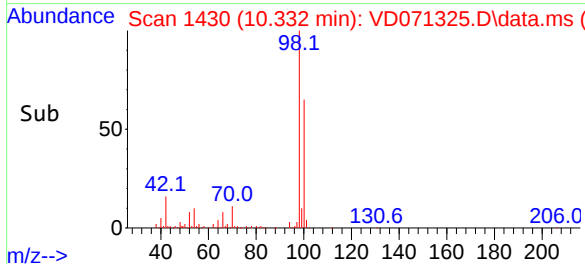
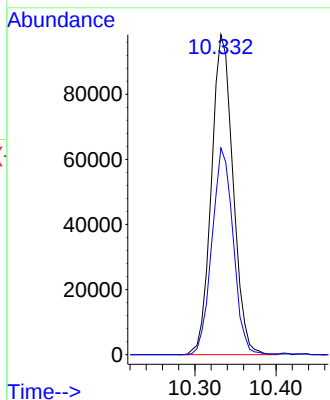
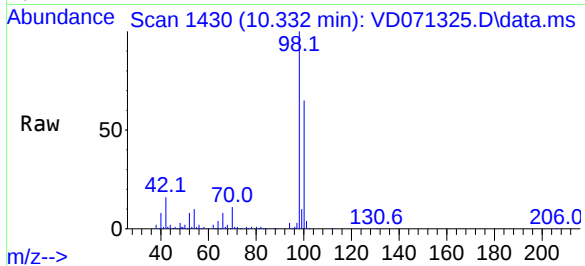




#50
Toluene-d8
Concen: 56.196 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

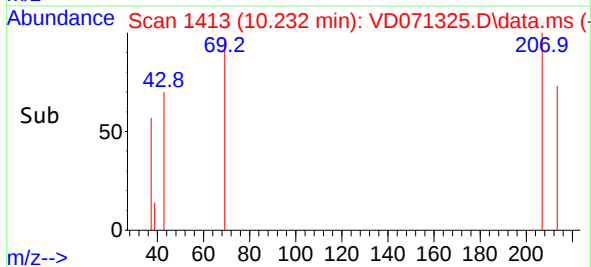
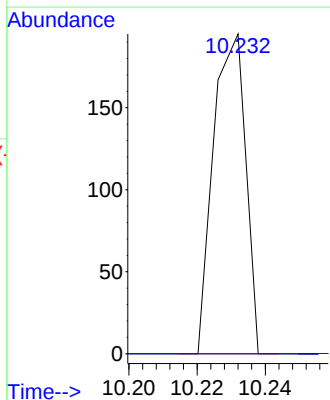
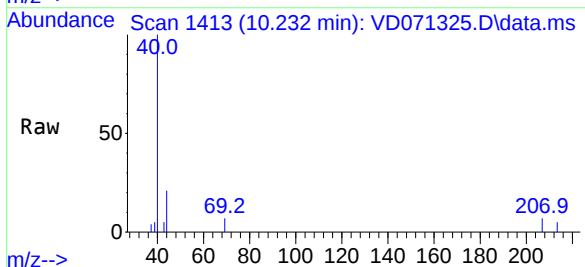
Instrument :
MSVOA_D
ClientSampleId :

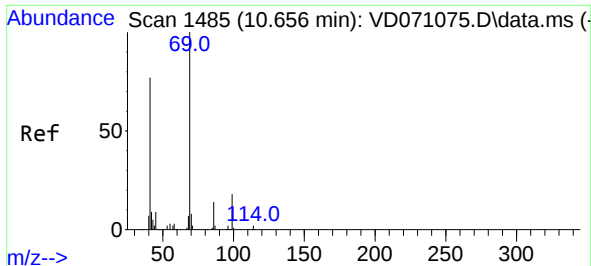
Tgt Ion: 98 Resp: 181792
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.837 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

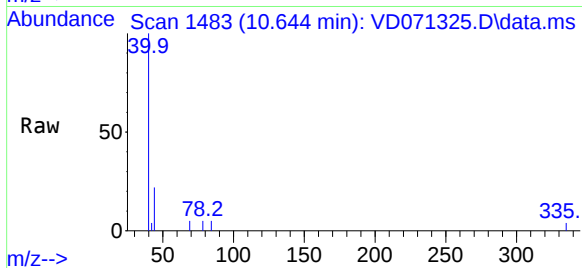
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



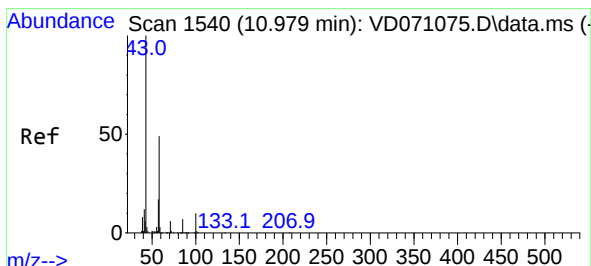
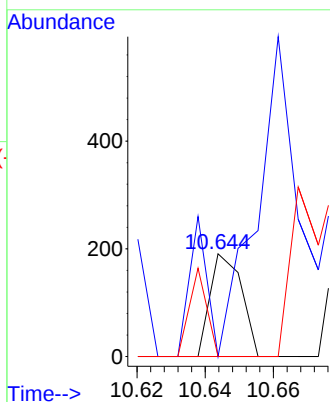
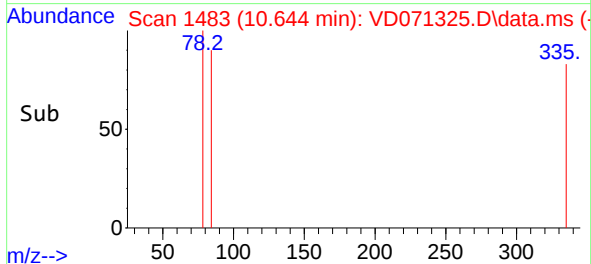


#56
Ethyl methacrylate
Concen: 6.093 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

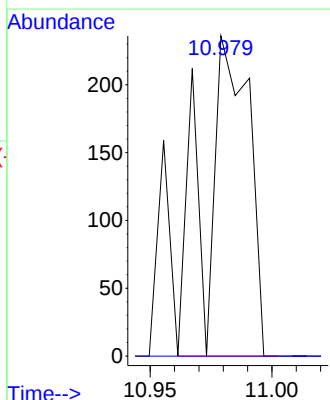
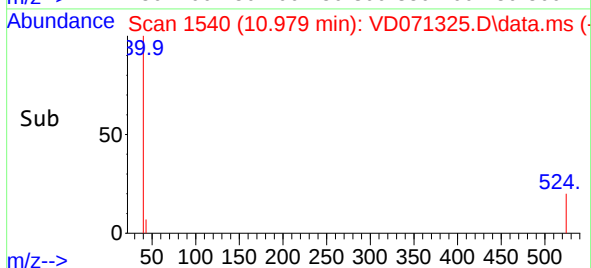
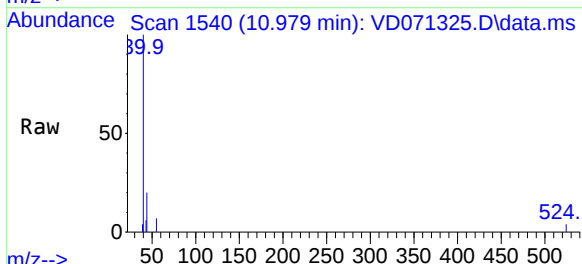


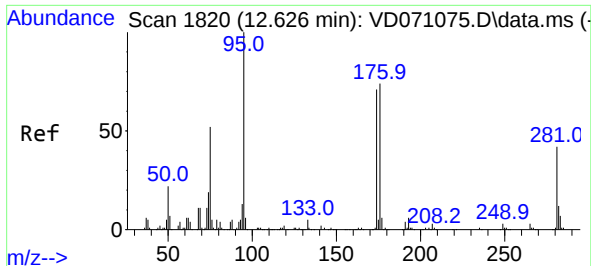
Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 75.4 50.2 75.2#
39 47.5 19.8 29.8#



#59
2-Hexanone
Concen: 35.135 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

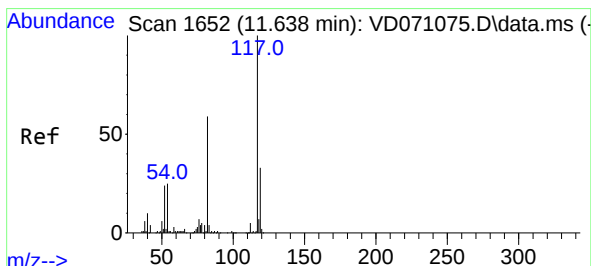
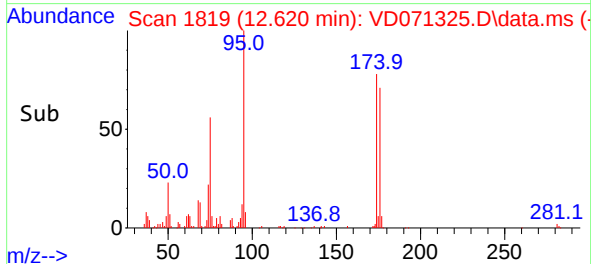
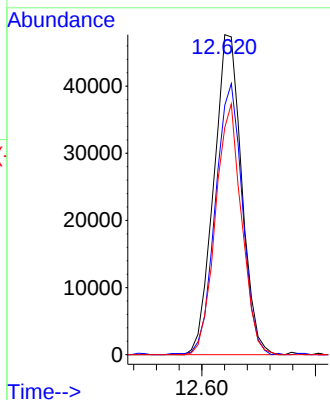
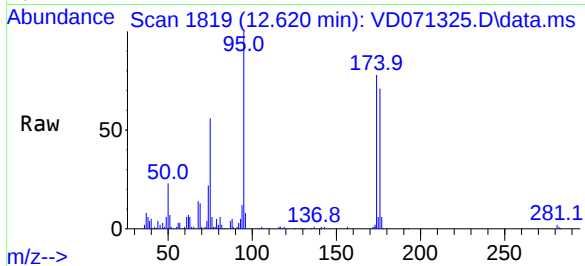




#62
4-Bromofluorobenzene
Concen: 72.468 ug/l
RT: 12.620 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

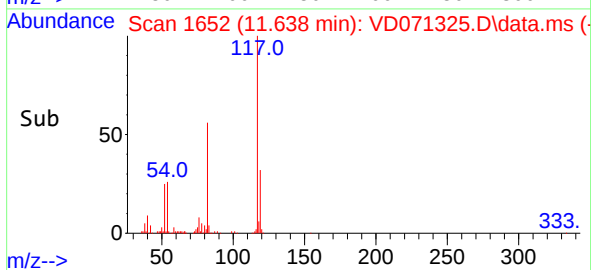
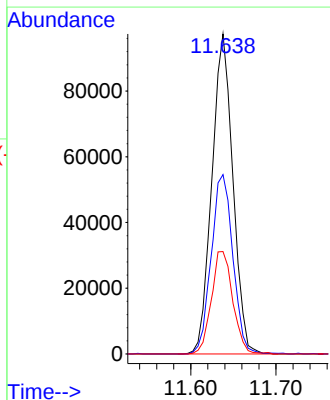
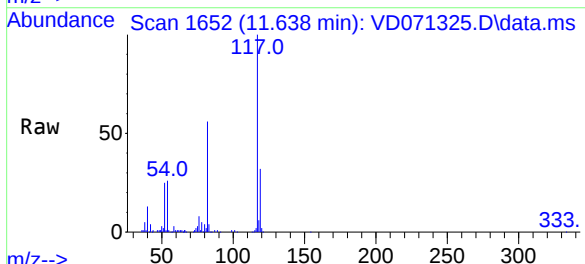
Instrument :
MSVOA_D
ClientSampleId :

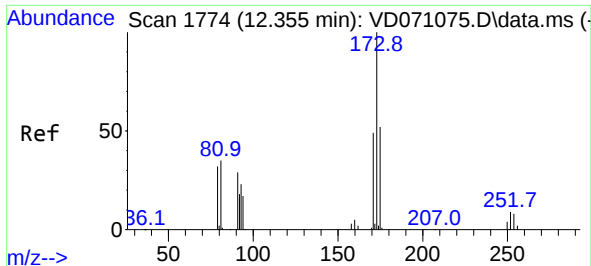
Tgt Ion: 95 Resp: 81263
Ion Ratio Lower Upper
95 100
174 81.8 0.0 159.4
176 73.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Tgt Ion: 117 Resp: 167004
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.0 26.2 39.4

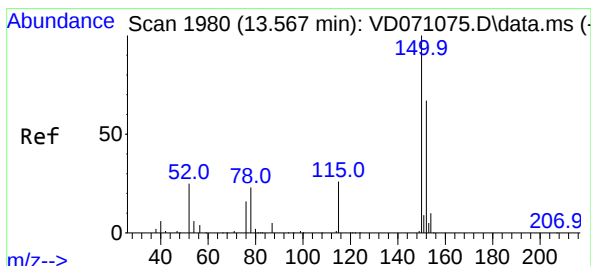
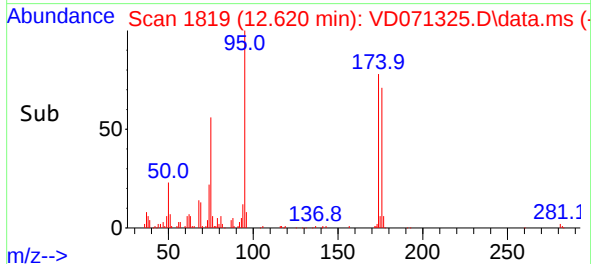
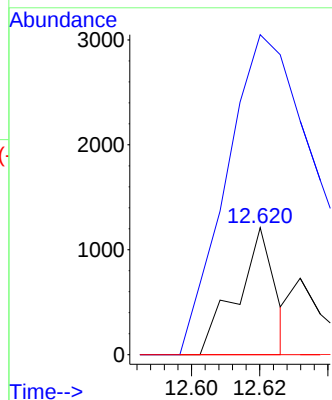
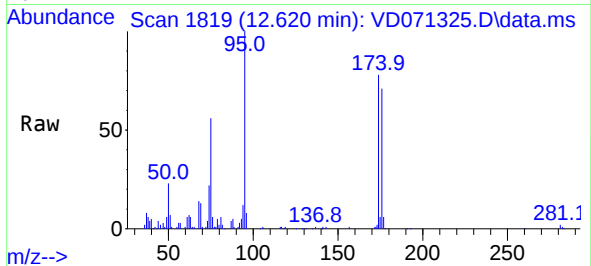




#71
Bromoform
Concen: 1.604 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

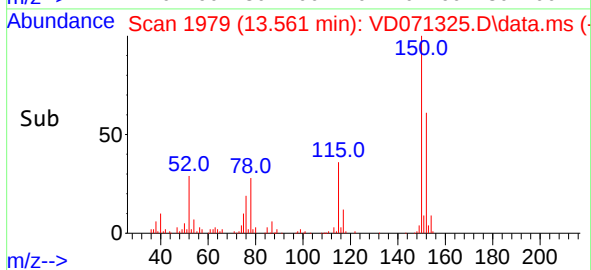
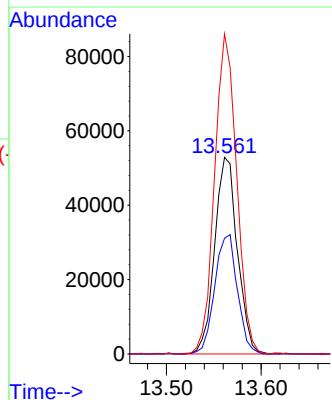
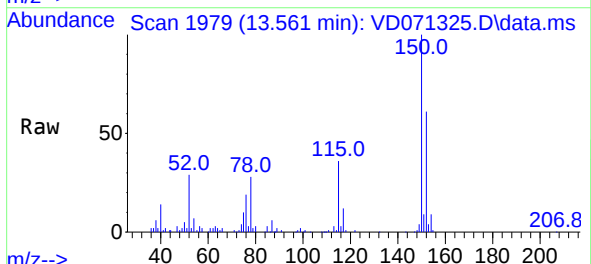
Instrument :
MSVOA_D
ClientSampleId :

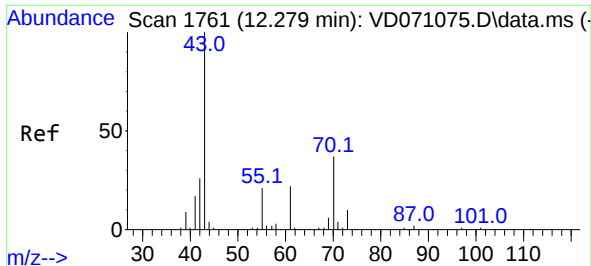
Tgt Ion:173 Resp: 940
Ion Ratio Lower Upper
173 100
175 472.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Tgt Ion:152 Resp: 88275
Ion Ratio Lower Upper
152 100
115 60.4 29.8 89.3
150 158.0 0.0 349.2

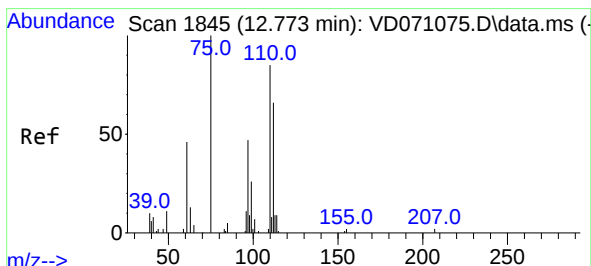
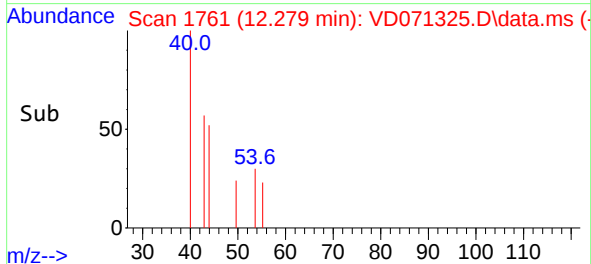
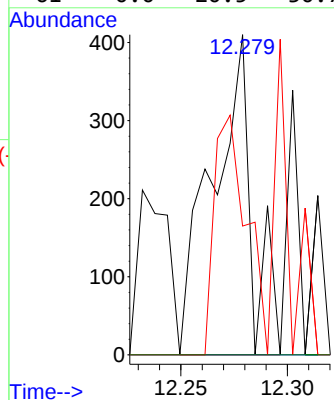
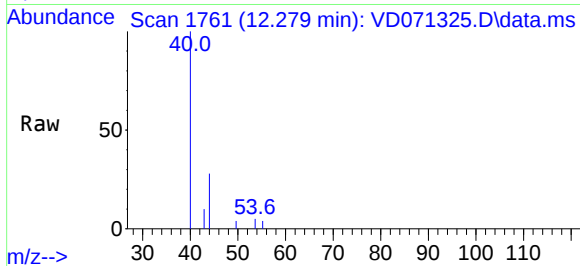




#74
N-amy1 acetate
Concen: 5.969 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

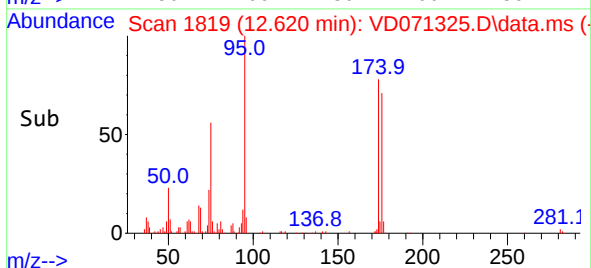
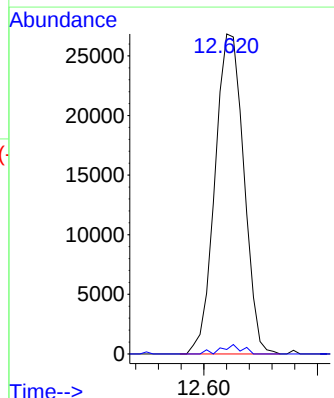
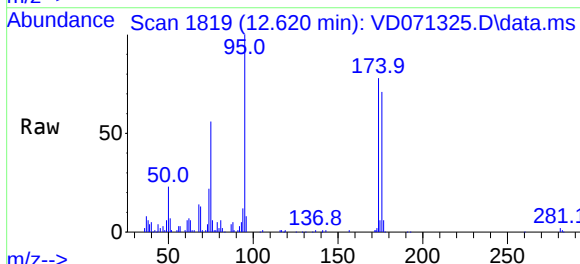
Instrument :
MSVOA_D
ClientSampleId :

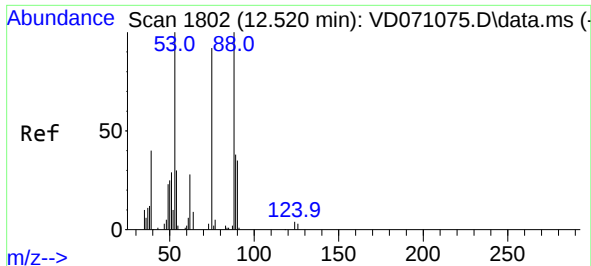
Tgt Ion: 43	Resp: 530
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 61.1	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 56.259 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

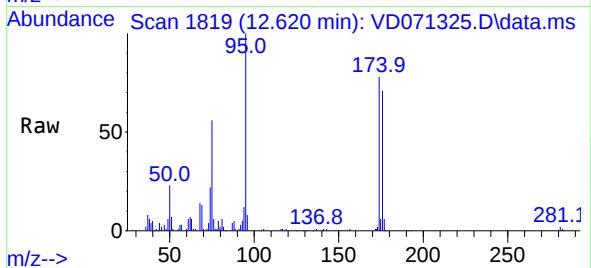
Tgt Ion: 75	Resp: 47316
Ion Ratio	Lower Upper
75 100	
77 2.1	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 122.164 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071325.D
Acq: 14 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 47316
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 34.5 51.7#

