

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071152.D
 Acq On : 04 Dec 2021 19:12
 Operator : VA/SY
 Sample : M4927-08
 Misc : 4.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:33:44 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)

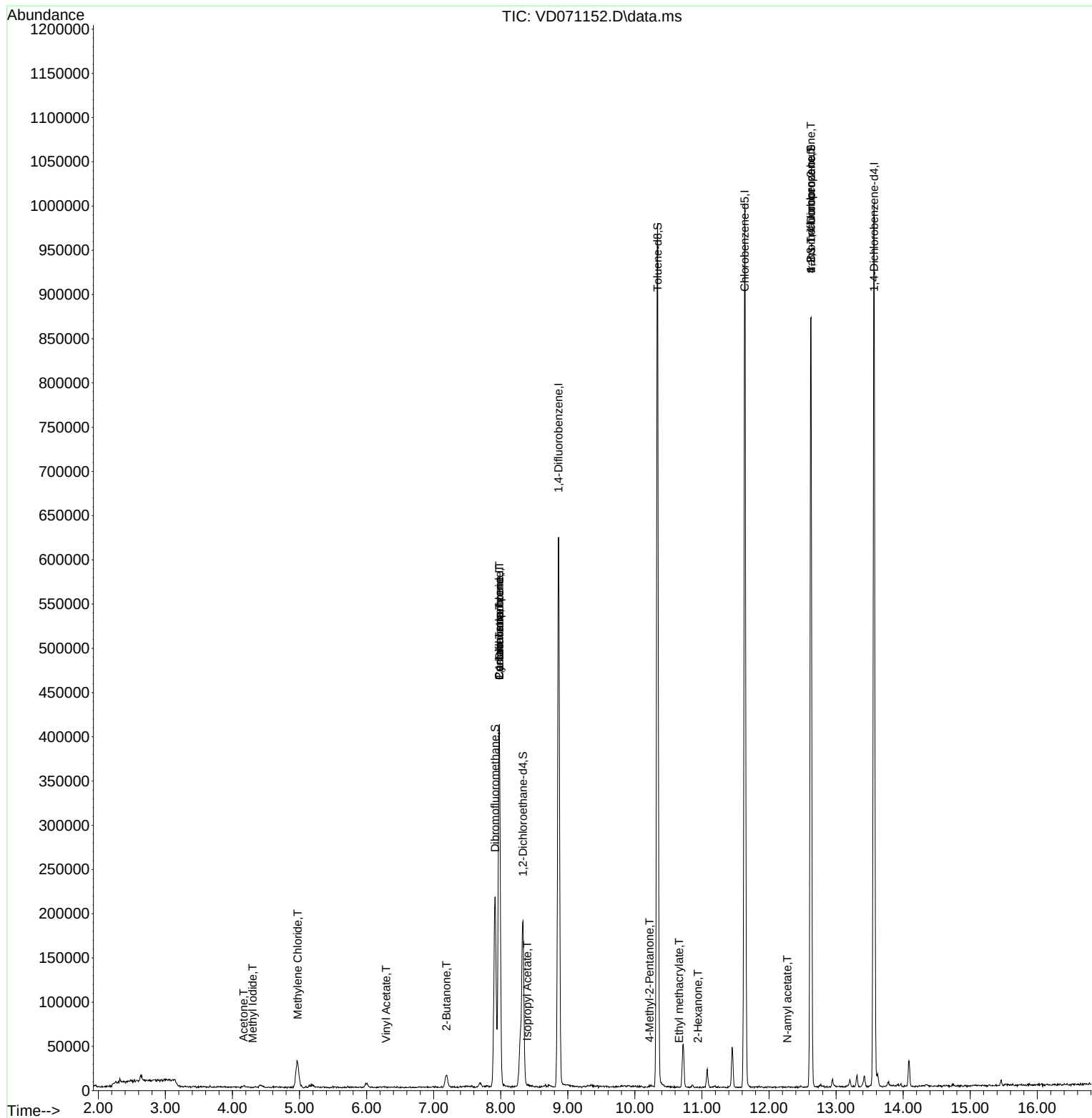
Internal Standards						
1) Pentafluorobenzene	7.979	168	285892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	493242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	522230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	243952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144468	43.066	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.140%
35) Dibromofluoromethane	7.914	113	150476	47.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.820%
50) Toluene-d8	10.338	98	634535	53.087	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.180%
62) 4-Bromofluorobenzene	12.626	95	246864	59.582	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.160%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	55	4.576	ug/l #	40
11) Tert butyl alcohol	5.191	59	642	Below Cal	#	94
16) Acetone	4.168	43	3134	33.881	ug/l #	81
20) Methylene Chloride	4.973	84	20687	2.111	ug/l #	88
23) Vinyl Acetate	6.291	43	206	27.252	ug/l #	72
25) 2-Butanone	7.191	43	998	29.219	ug/l #	45
31) Cyclohexane	7.979	56	8599	1.507	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	25917	5.622	ug/l #	51
38) Carbon Tetrachloride	7.979	117	31230	6.872	ug/l #	17
41) Methacrylonitrile	7.497	41	59	Below Cal	#	12
43) Isopropyl Acetate	8.397	43	55	5.234	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	881	30.996	ug/l #	34
56) Ethyl methacrylate	10.661	69	66	5.988	ug/l #	21
59) 2-Hexanone	10.938	43	73	34.611	ug/l #	22
74) N-amyl acetate	12.273	43	124	5.724	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	140828	60.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	140828	131.126	ug/l #	18

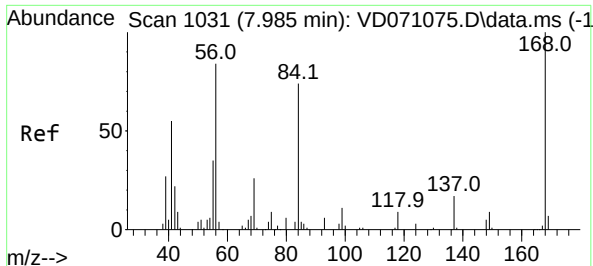
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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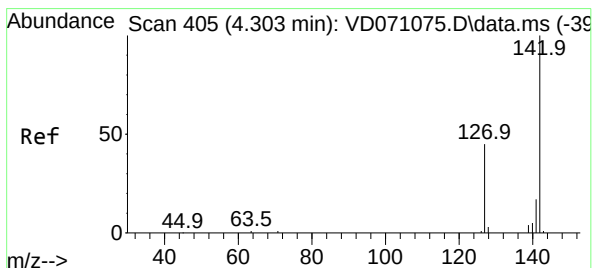
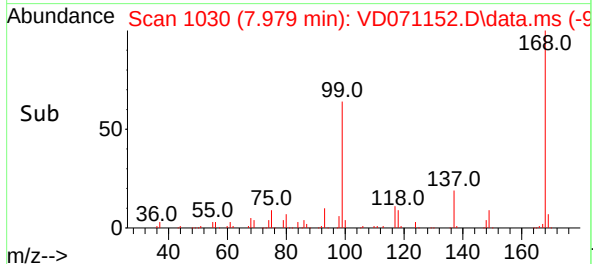
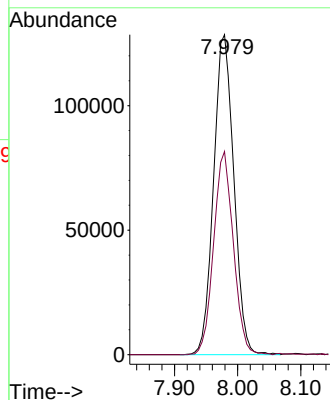
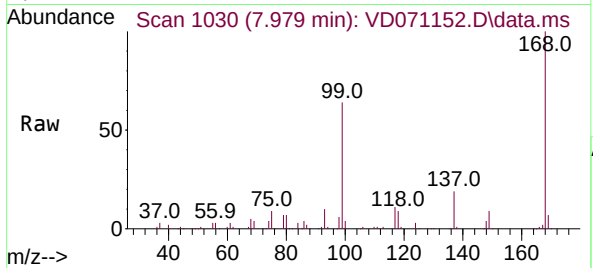




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

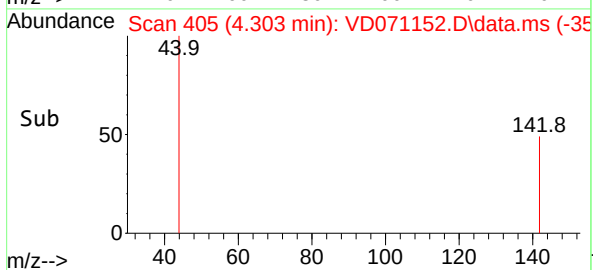
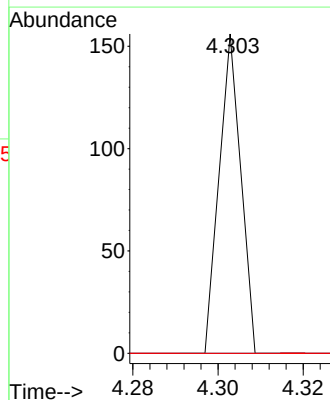
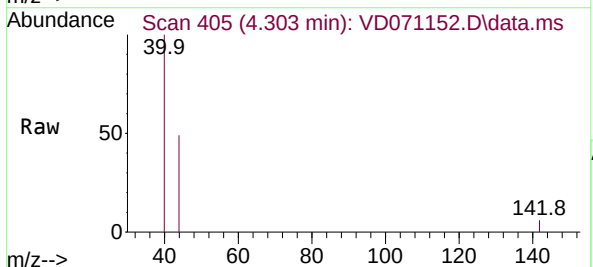
Instrument :
MSVOA_D
ClientSampleId :

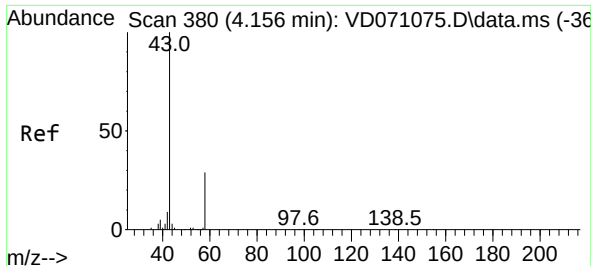
Tgt Ion:168 Resp: 285892
Ion Ratio Lower Upper
168 100
99 63.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.576 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

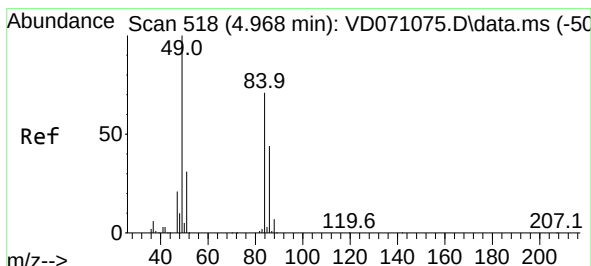
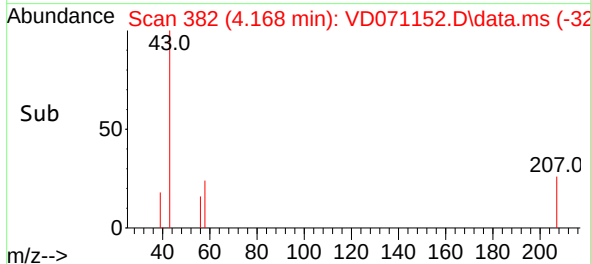
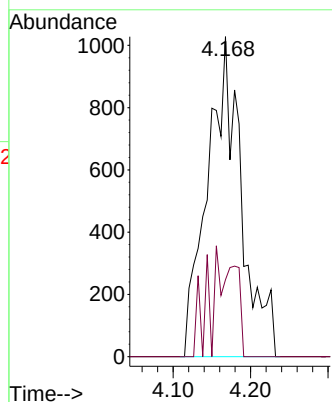
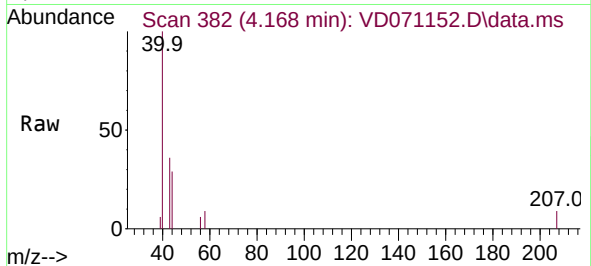




#16
Acetone
Concen: 33.881 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

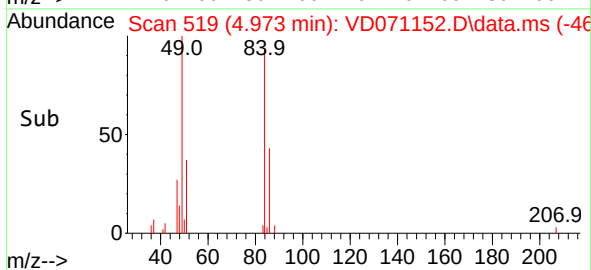
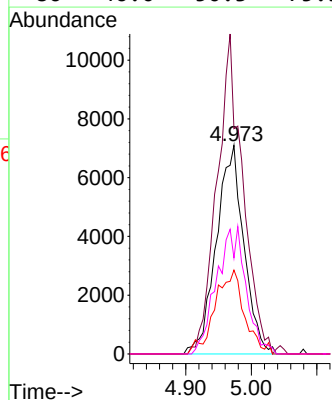
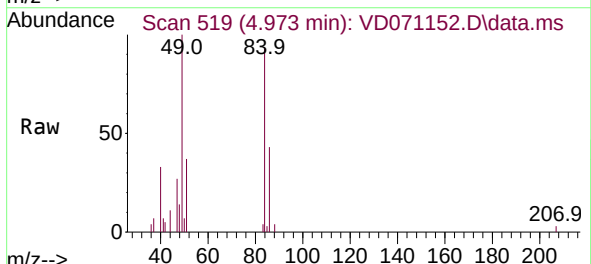
Instrument :
MSVOA_D
ClientSampleId :

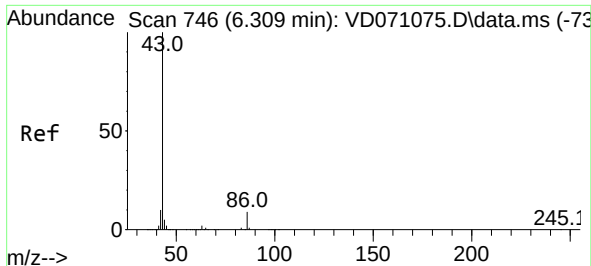
Tgt Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
58 24.0 27.8 41.8#



#20
Methylene Chloride
Concen: 2.111 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

Tgt Ion: 84 Resp: 20687
Ion Ratio Lower Upper
84 100
49 108.0 95.8 143.6
51 40.2 30.9 46.3
86 46.0 50.3 75.5#

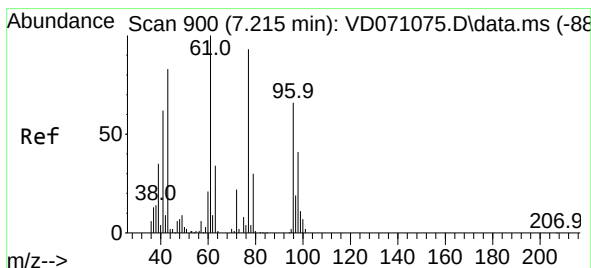
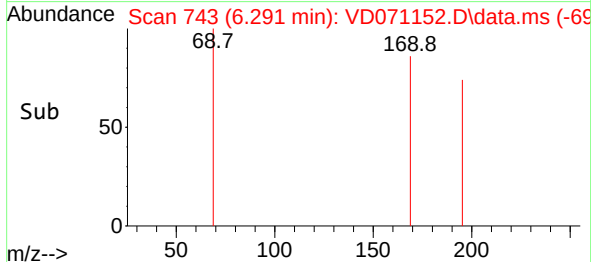
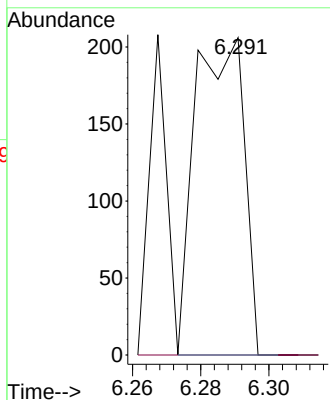
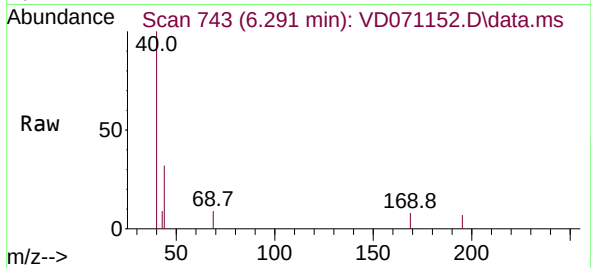




#23
 Vinyl Acetate
 Concen: 27.252 ug/l
 RT: 6.291 min Scan# 746
 Delta R.T. -0.018 min
 Lab File: VD071152.D
 Acq: 04 Dec 2021 19:12

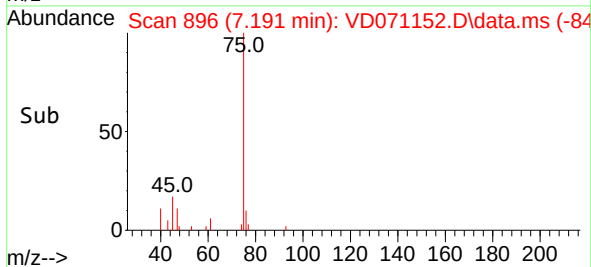
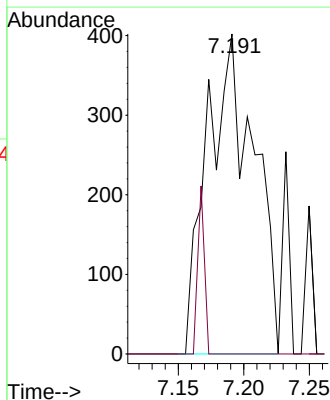
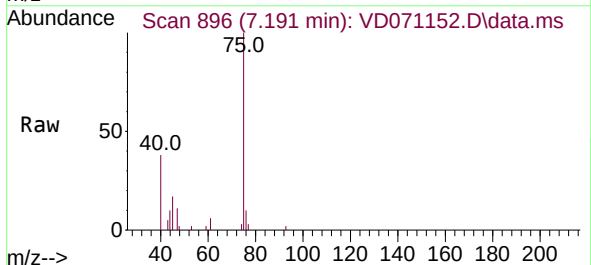
Instrument :
 MSVOA_D
 ClientSampleId :

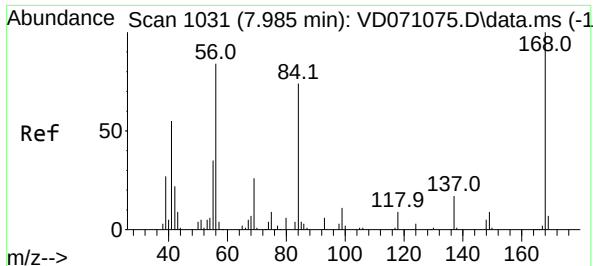
Tgt Ion: 43 Resp: 206
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.219 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD071152.D
 Acq: 04 Dec 2021 19:12

Tgt Ion: 43 Resp: 998
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.507 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

Instrument :

MSVOA_D

ClientSampleId :

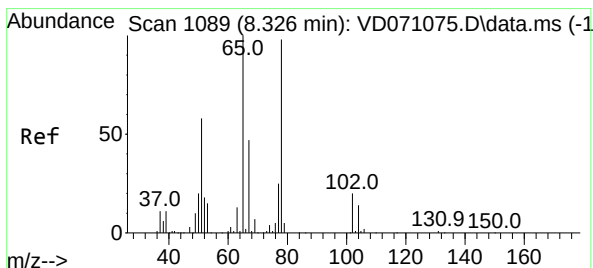
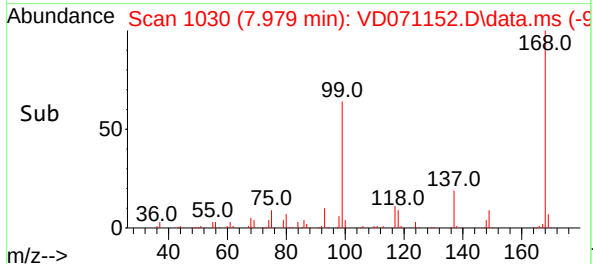
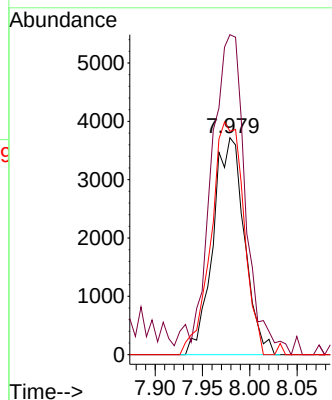
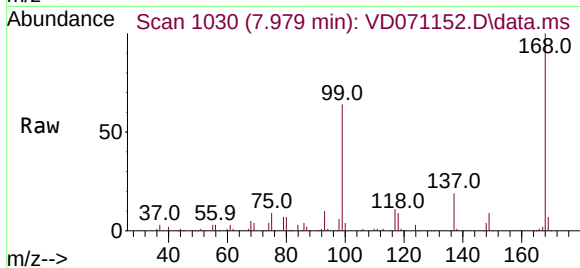
Tgt Ion: 56 Resp: 8599

Ion Ratio Lower Upper

56 100

69 141.3 25.9 38.9#

84 102.9 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 43.066 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071152.D

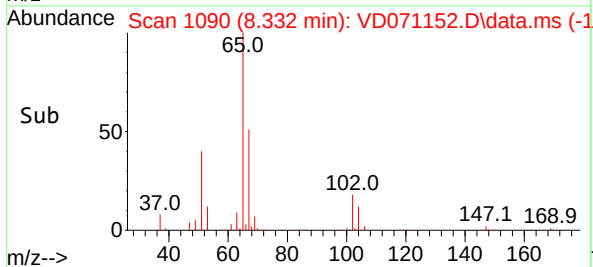
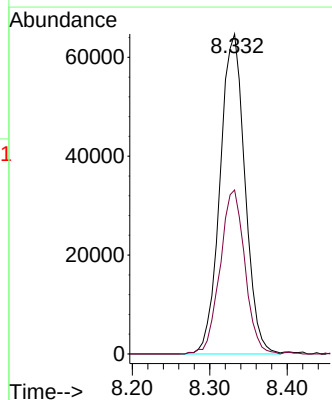
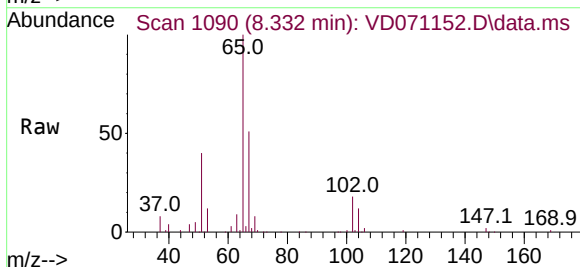
Acq: 04 Dec 2021 19:12

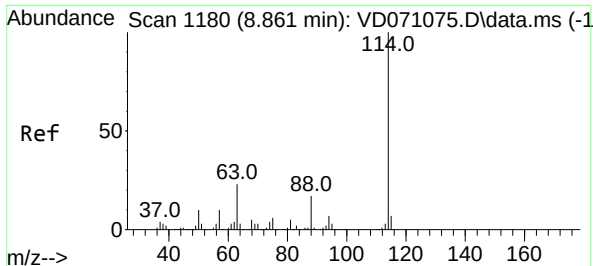
Tgt Ion: 65 Resp: 144468

Ion Ratio Lower Upper

65 100

67 51.1 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: VD071152.D

Acq: 04 Dec 2021 19:12

Instrument :

MSVOA_D

ClientSampleId :

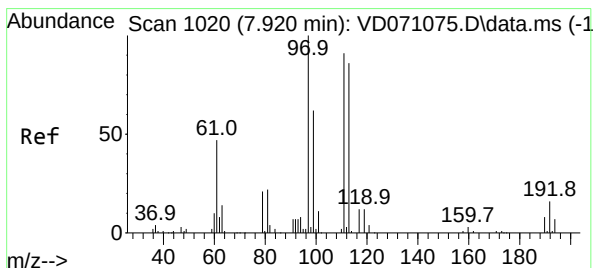
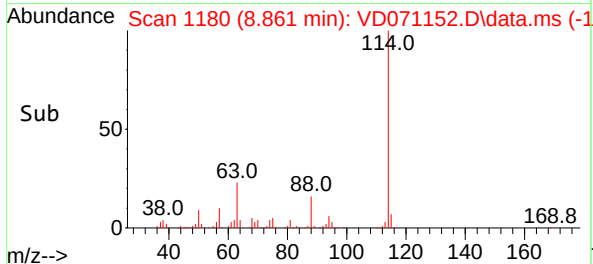
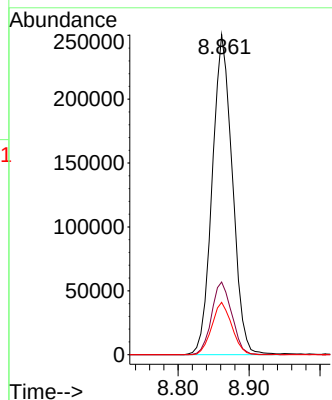
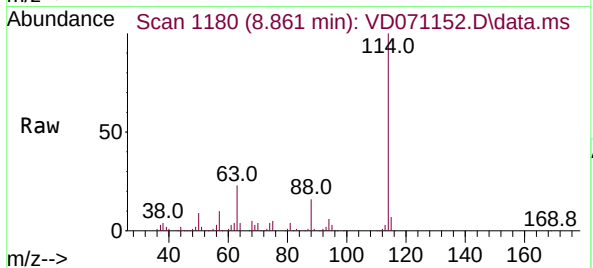
Tgt Ion:114 Resp: 493242

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.908 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

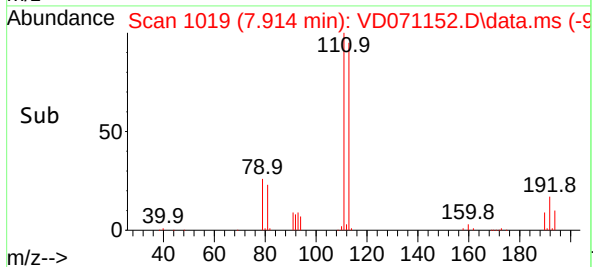
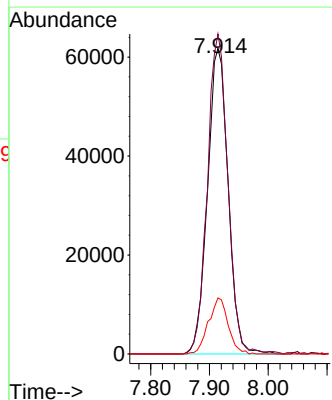
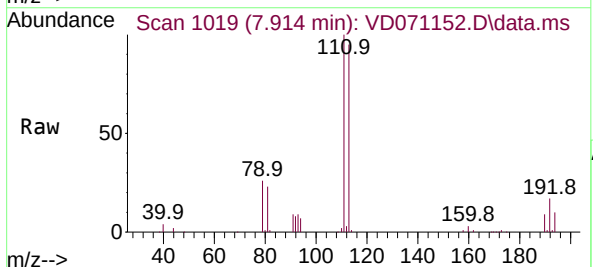
Tgt Ion:113 Resp: 150476

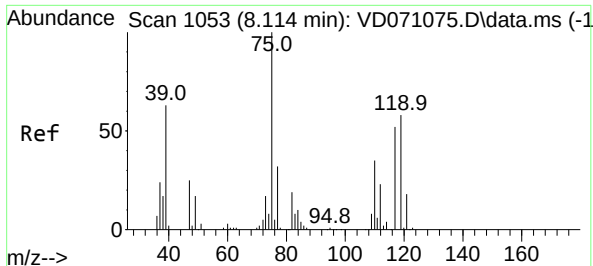
Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 17.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.622 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

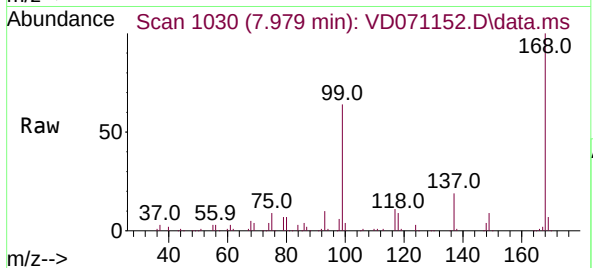
Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

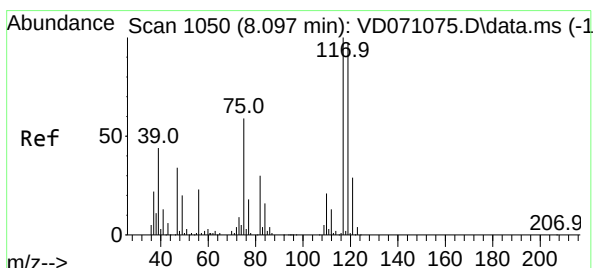
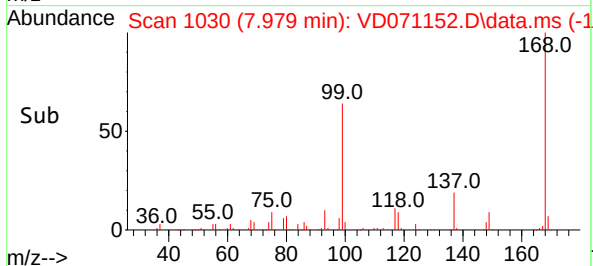
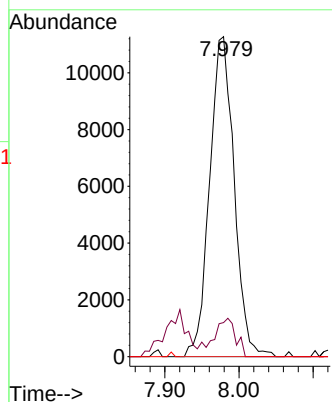
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 25917
Ion Ratio	Lower Upper
75 100	
110 10.9	17.8 53.4#
77 0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.872 ug/l

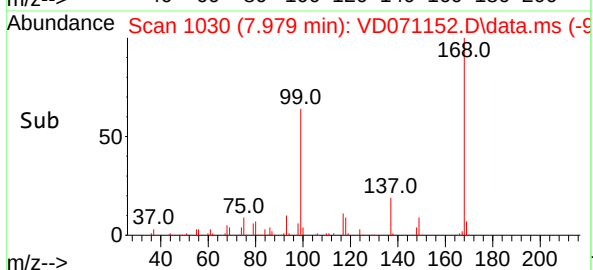
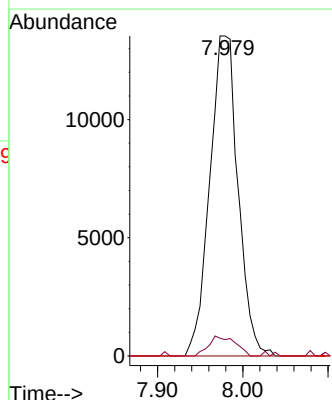
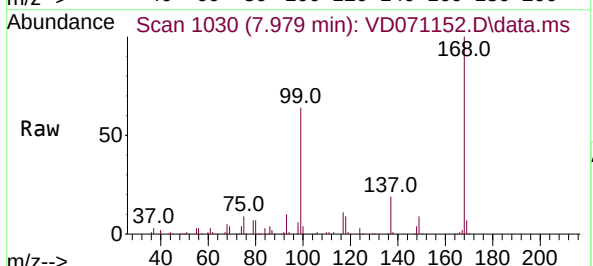
RT: 7.979 min Scan# 1030

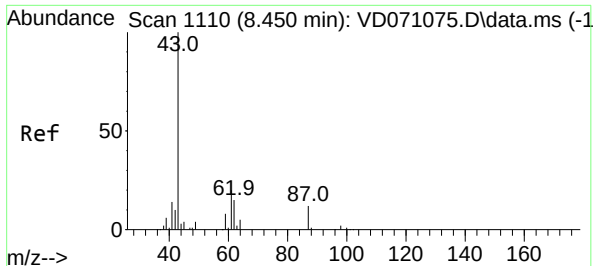
Delta R.T. -0.118 min

Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

Tgt Ion: 117	Resp: 31230
Ion Ratio	Lower Upper
117 100	
119 5.1	75.8 113.6#
121 0.0	23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.234 ug/l

RT: 8.397 min Scan# 1110

Delta R.T. -0.053 min

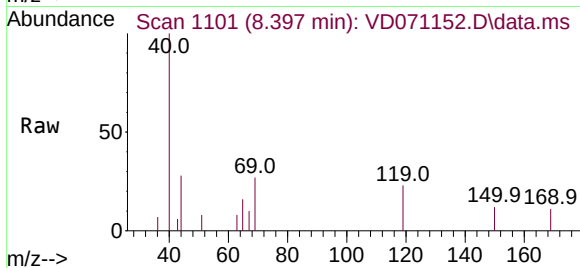
Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

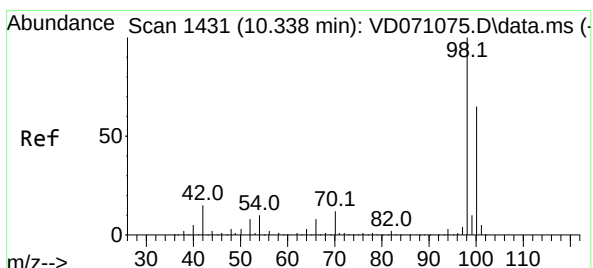
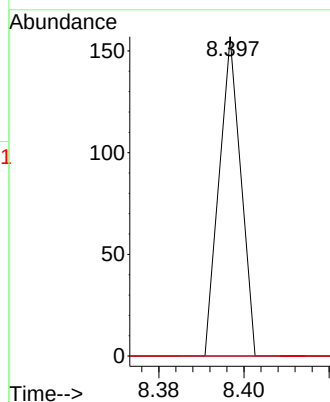
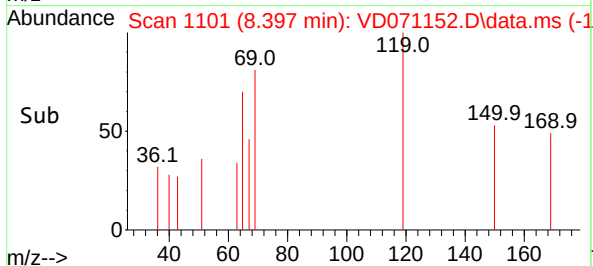
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.087 ug/l

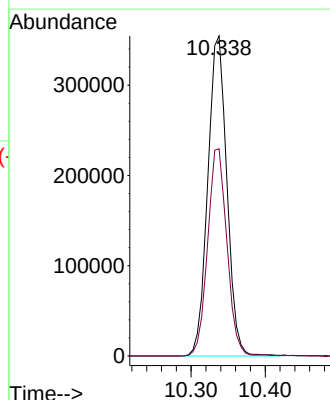
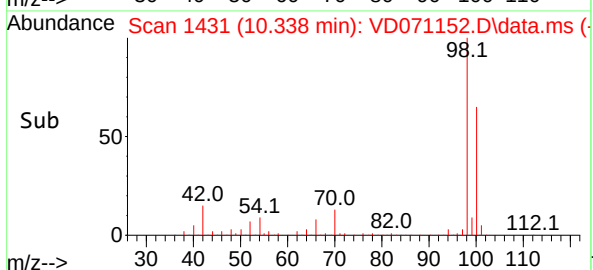
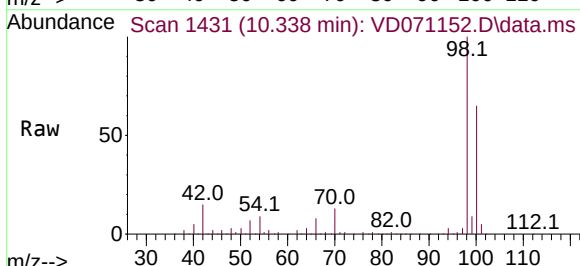
RT: 10.338 min Scan# 1431

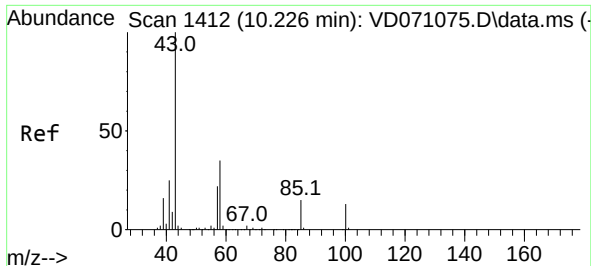
Delta R.T. -0.000 min

Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

Tgt Ion: 98	Resp: 634535
Ion Ratio	Lower Upper
98	100
100	65.5 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 30.996 ug/l

RT: 10.220 min Scan# 1412

Delta R.T. -0.006 min

Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

Instrument :

MSVOA_D

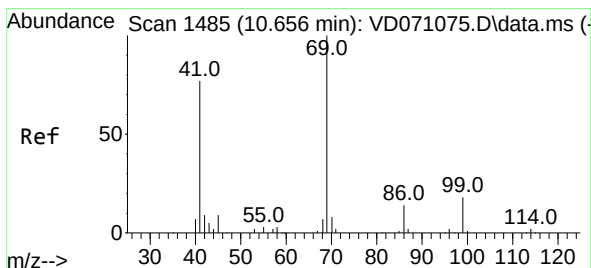
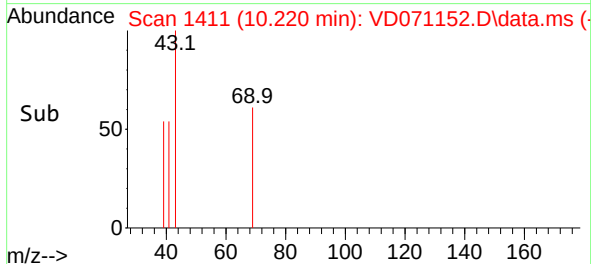
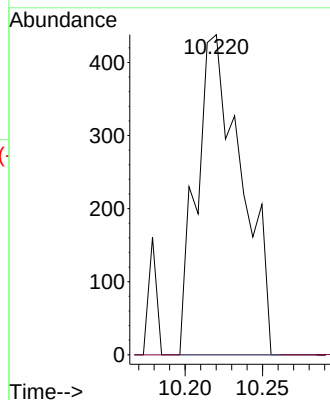
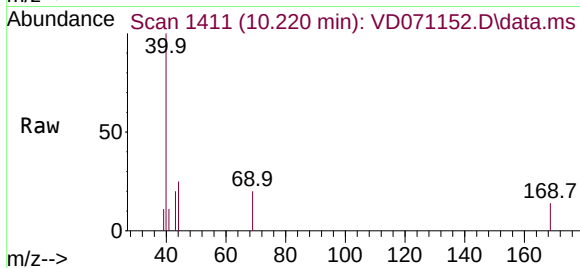
ClientSampleId :

Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#56

Ethyl methacrylate

Concen: 5.988 ug/l

RT: 10.661 min Scan# 1486

Delta R.T. 0.005 min

Lab File: VD071152.D

Acq: 04 Dec 2021 19:12

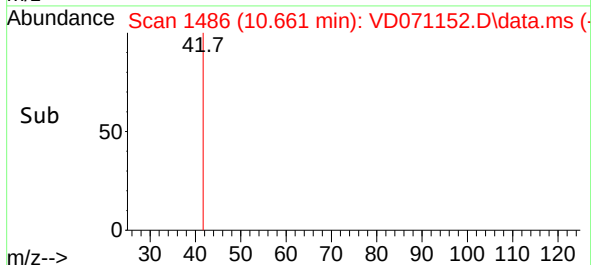
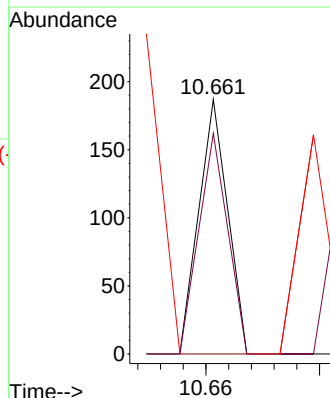
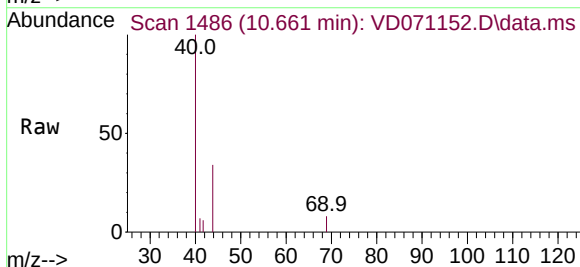
Tgt Ion: 69 Resp: 66

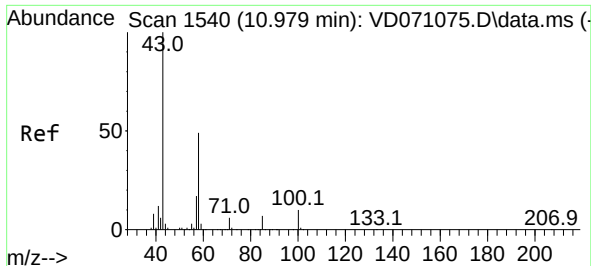
Ion Ratio Lower Upper

69 100

41 86.4 50.2 75.2#

39 125.8 19.8 29.8#

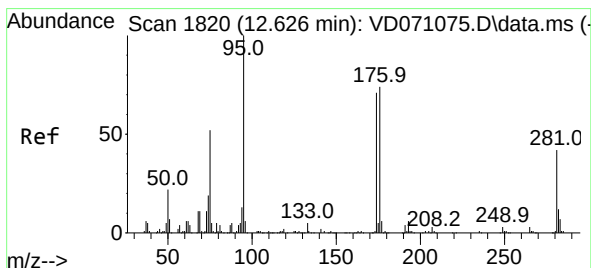
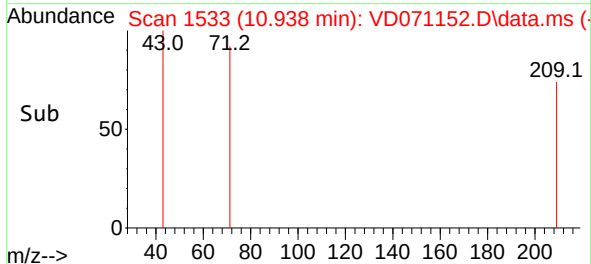
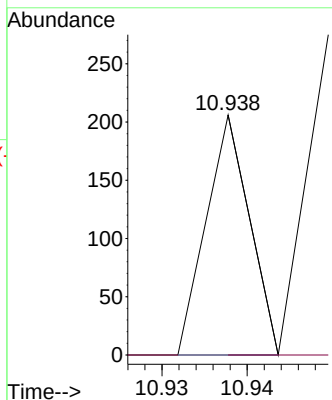
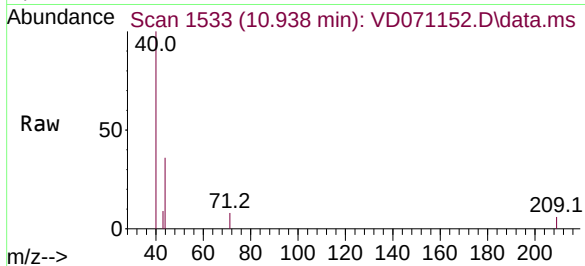




#59
2-Hexanone
Concen: 34.611 ug/l
RT: 10.938 min Scan# 1540
Delta R.T. -0.041 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

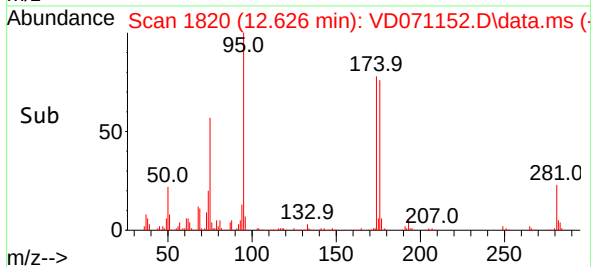
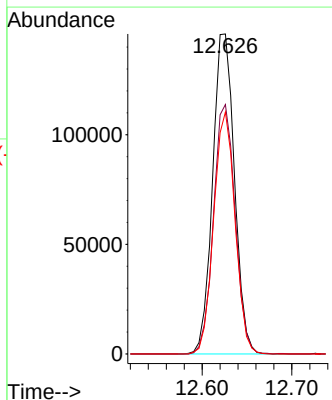
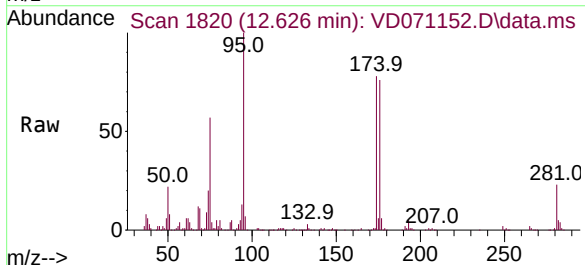
Instrument :
MSVOA_D
ClientSampleId :

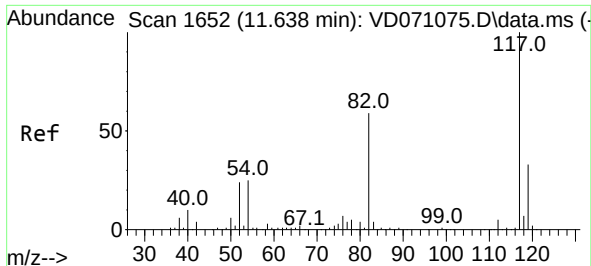
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 59.582 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

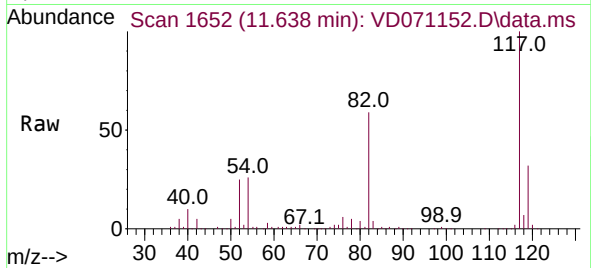
Tgt Ion: 95 Resp: 246864
Ion Ratio Lower Upper
95 100
174 77.3 0.0 159.4
176 73.8 0.0 154.0



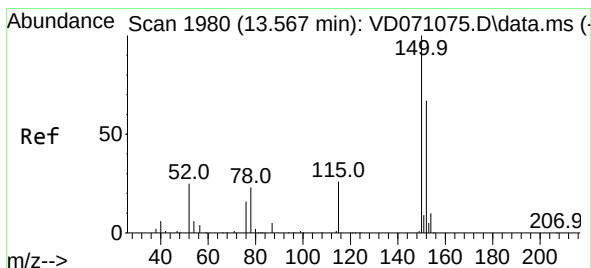
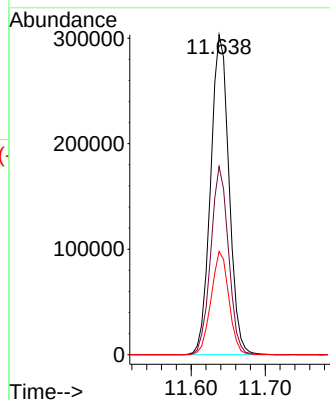
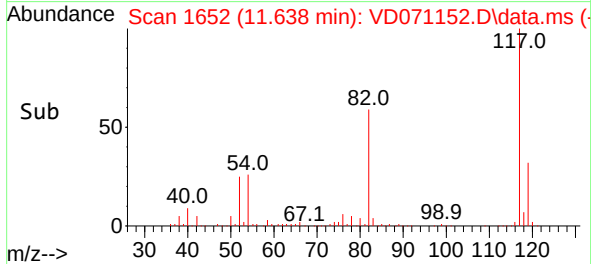


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

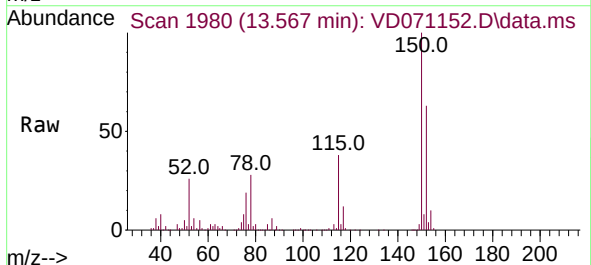
Instrument :
MSVOA_D
ClientSampleId :



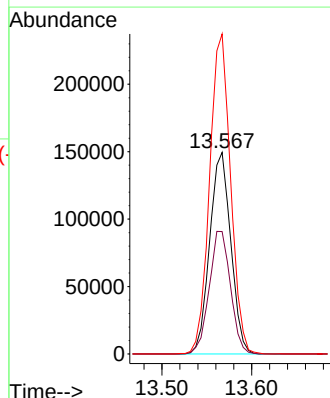
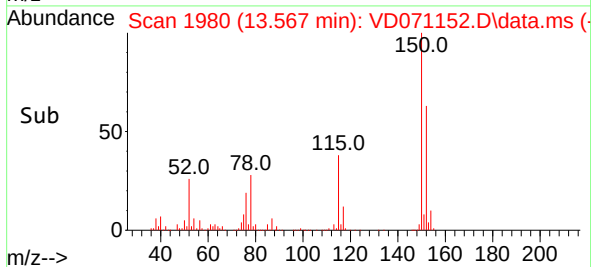
Tgt Ion:117 Resp: 522230
Ion Ratio Lower Upper
117 100
82 58.8 44.7 67.1
119 32.2 26.2 39.4

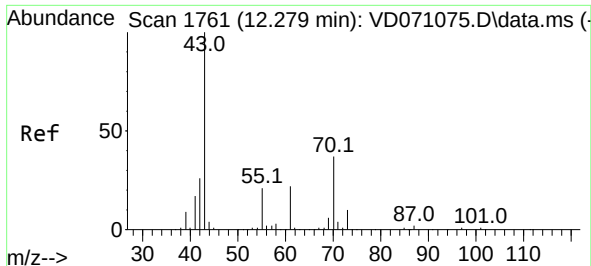


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12



Tgt Ion:152 Resp: 243952
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 157.7 0.0 349.2

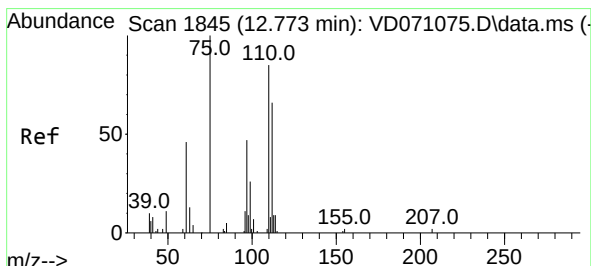
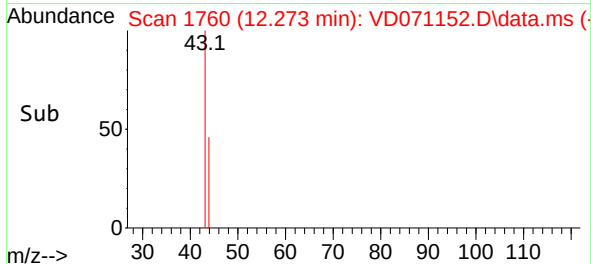
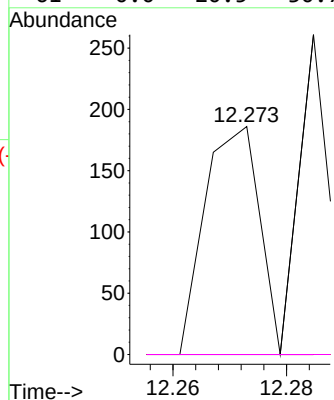
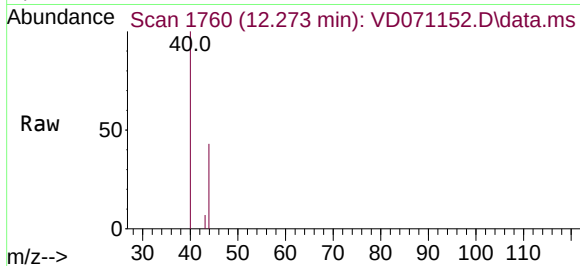




#74
N-amy1 acetate
Concen: 5.724 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

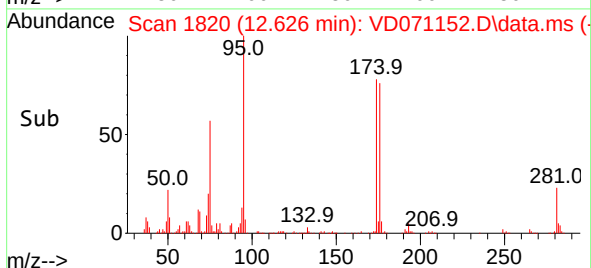
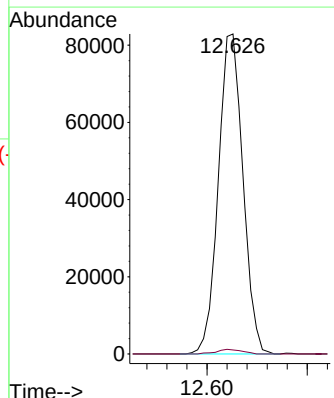
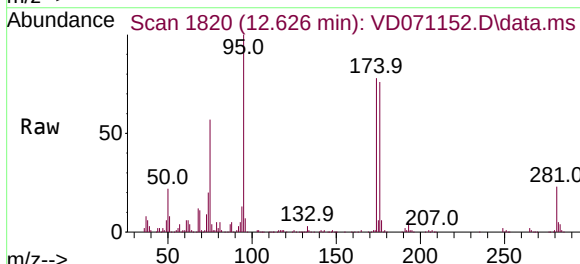
Instrument :
MSVOA_D
ClientSampleId :

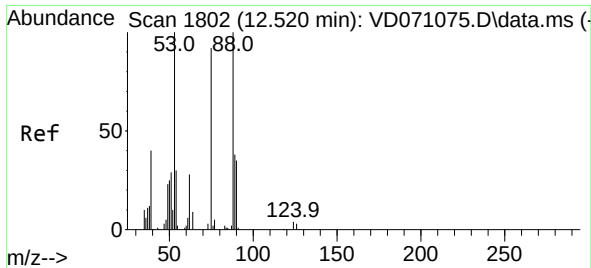
Tgt Ion: 43	Resp: 124
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 60.590 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071152.D
Acq: 04 Dec 2021 19:12

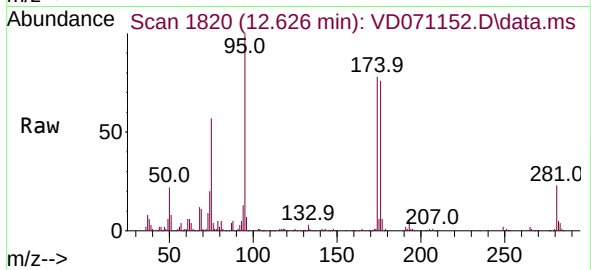
Tgt Ion: 75	Resp: 140828
Ion Ratio	Lower Upper
75 100	
77 1.5	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.126 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071152.D
 Acq: 04 Dec 2021 19:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 140828
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.2 34.5 51.7#

