

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071366.D
 Acq On : 16 Dec 2021 14:41
 Operator : VA/SY
 Sample : M5089-01RE
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:49:02 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)

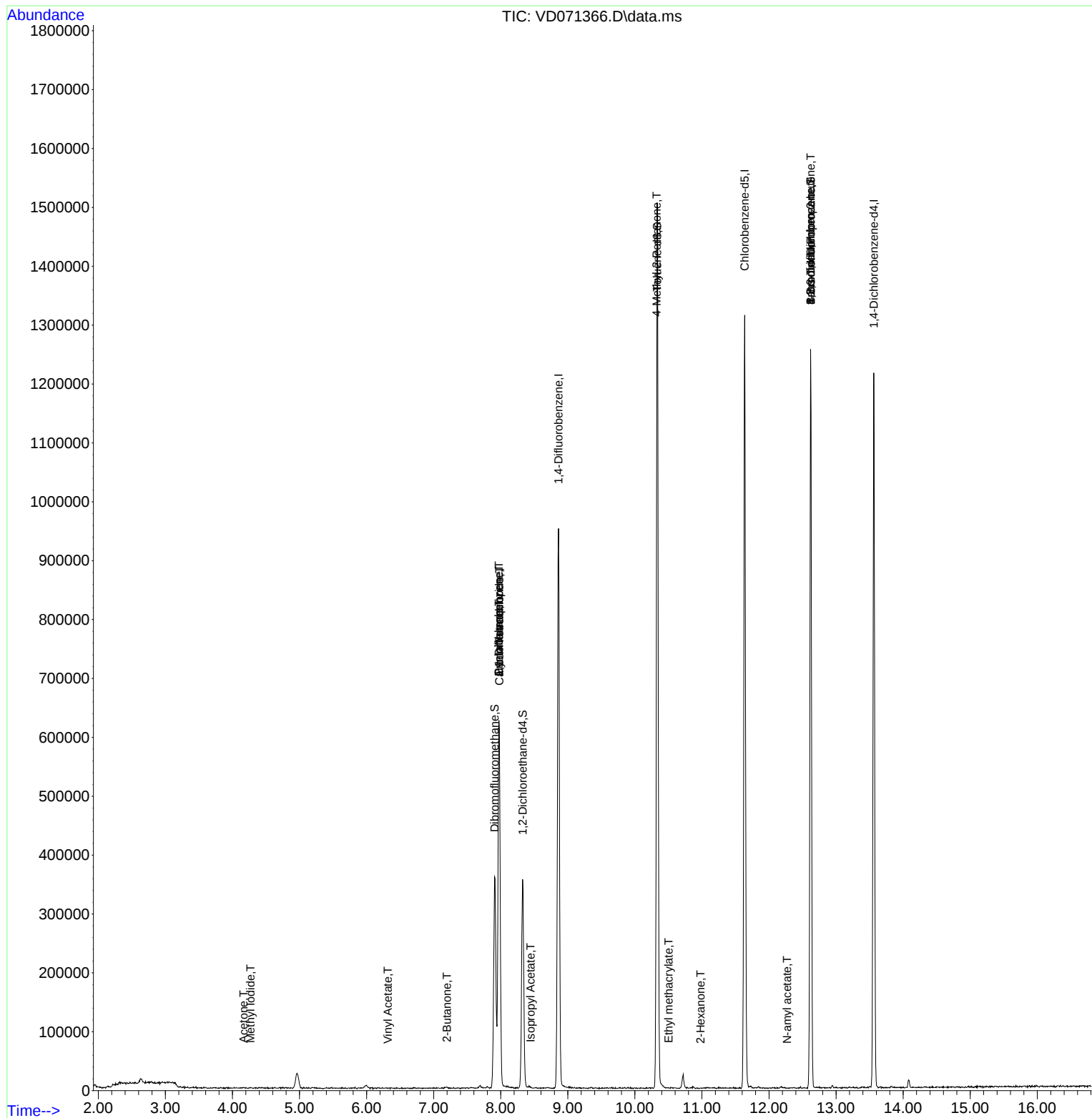
Internal Standards						
1) Pentafluorobenzene	7.973	168	441446	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	770739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	683927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	277458	53.565	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.120%	
35) Dibromofluoromethane	7.909	113	244774	49.873	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.740%	
50) Toluene-d8	10.332	98	971107	51.994	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.980%	
62) 4-Bromofluorobenzene	12.620	95	305135	47.130	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.260%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.268	142	60	4.571	ug/l #	40
11) Tert butyl alcohol	5.209	59	303	Below Cal	#	71
16) Acetone	4.168	43	1702	31.881	ug/l #	40
20) Methylene Chloride	4.962	84	18603	Below Cal		93
23) Vinyl Acetate	6.314	43	68	27.225	ug/l #	72
25) 2-Butanone	7.197	43	279	28.515	ug/l #	45
31) Cyclohexane	7.973	56	13581	1.541	ug/l #	32
36) 1,1-Dichloropropene	7.973	75	41665	5.784	ug/l #	49
38) Carbon Tetrachloride	7.979	117	47384	6.673	ug/l #	16
41) Methacrylonitrile	7.509	41	177	Below Cal	#	45
43) Isopropyl Acetate	8.444	43	424	5.278	ug/l #	47
51) 4-Methyl-2-Pentanone	10.326	43	5443	32.013	ug/l #	1
56) Ethyl methacrylate	10.503	69	55	5.980	ug/l #	1
59) 2-Hexanone	10.979	43	432	34.715	ug/l #	22
71) Bromoform	12.620	173	3123	1.301	ug/l #	1
74) N-amyl acetate	12.267	43	70	5.712	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	177415	64.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	177415	139.678	ug/l #	18

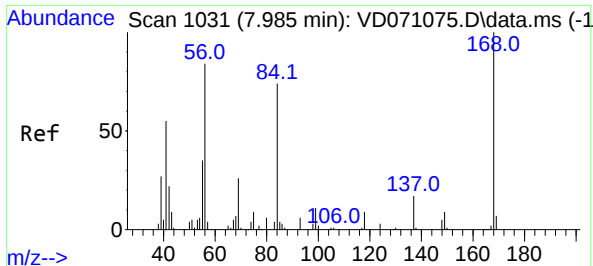
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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QLast Update : Mon Nov 29 17:54:09 2021
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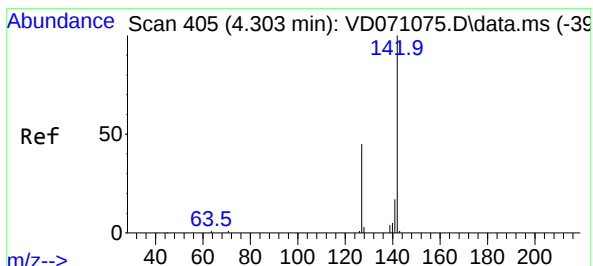
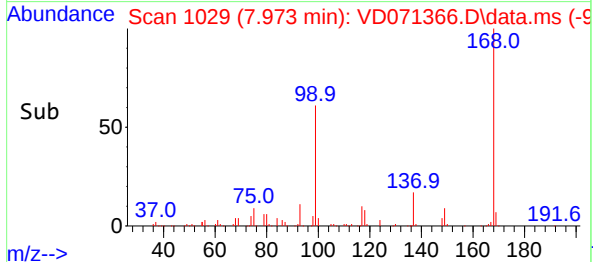
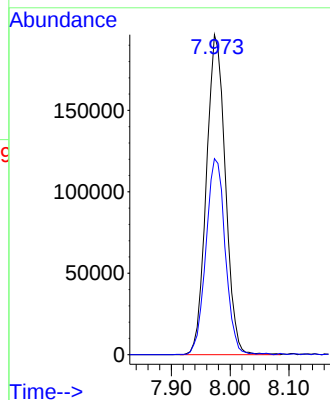
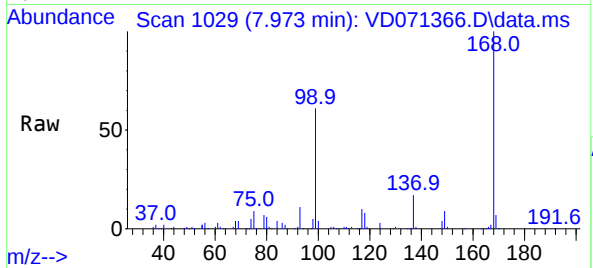




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

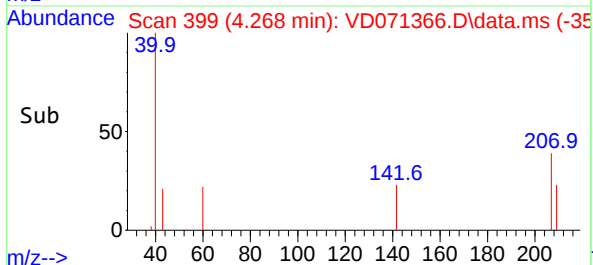
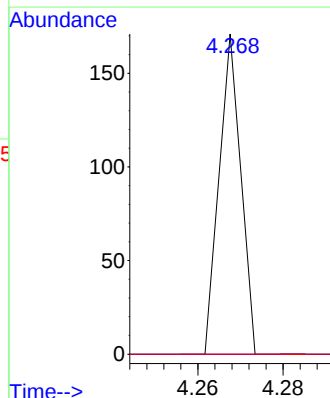
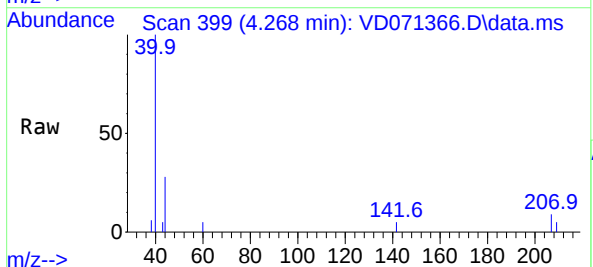
Instrument :
MSVOA_D
ClientSampleId :

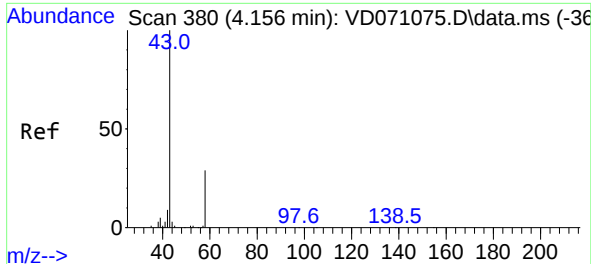
Tgt Ion:168 Resp: 441446
Ion Ratio Lower Upper
168 100
99 61.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.571 ug/l
RT: 4.268 min Scan# 399
Delta R.T. -0.035 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#16

Acetone

Concen: 31.881 ug/l

RT: 4.168 min Scan# 382

Delta R.T. 0.012 min

Lab File: VD071366.D

Acq: 16 Dec 2021 14:41

Instrument :

MSVOA_D

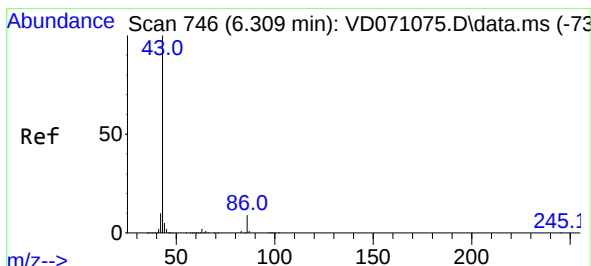
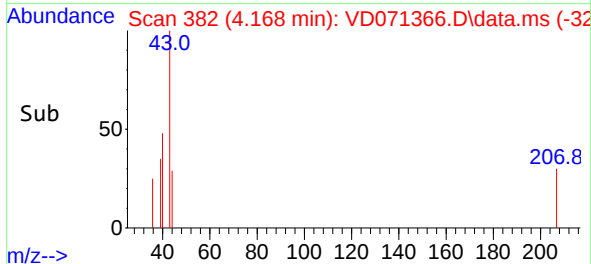
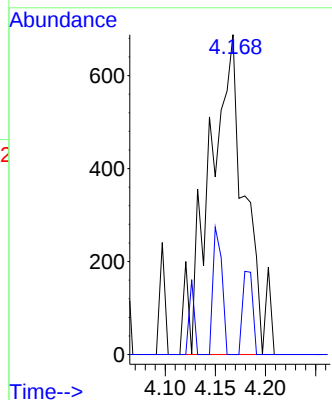
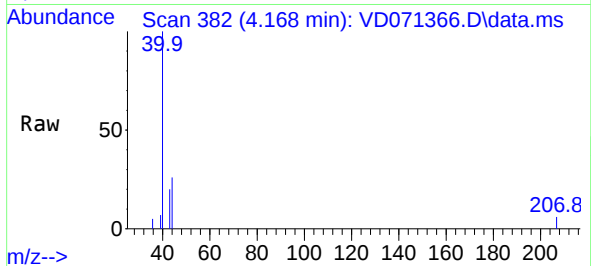
ClientSampleId :

Tgt Ion: 43 Resp: 1702

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#23

Vinyl Acetate

Concen: 27.225 ug/l

RT: 6.314 min Scan# 747

Delta R.T. 0.005 min

Lab File: VD071366.D

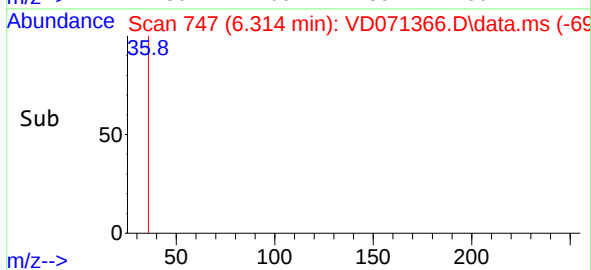
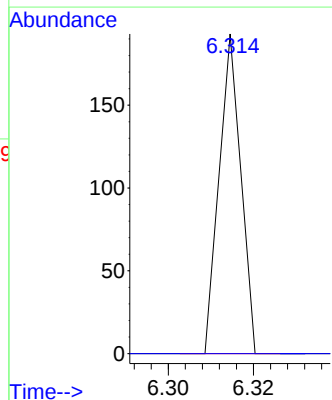
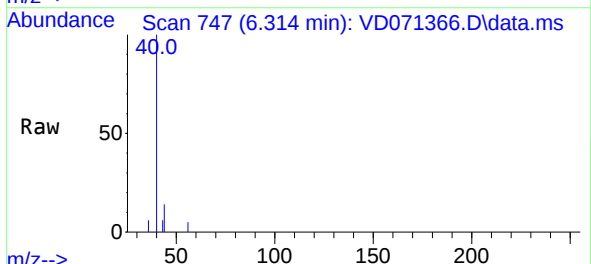
Acq: 16 Dec 2021 14:41

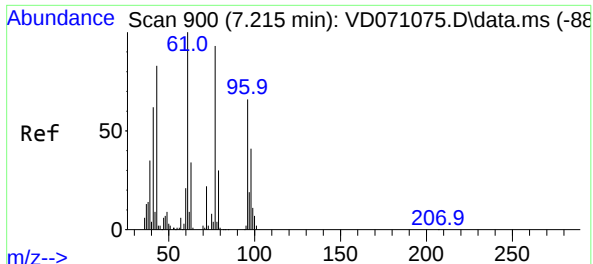
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 28.515 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.018 min

Lab File: VD071366.D

Acq: 16 Dec 2021 14:41

Instrument :

MSVOA_D

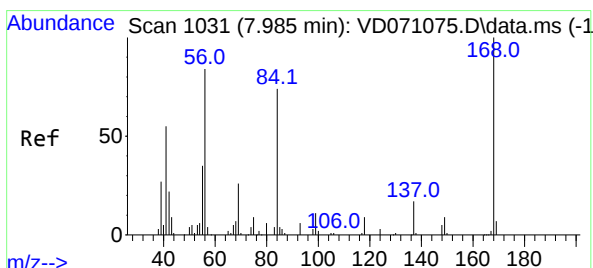
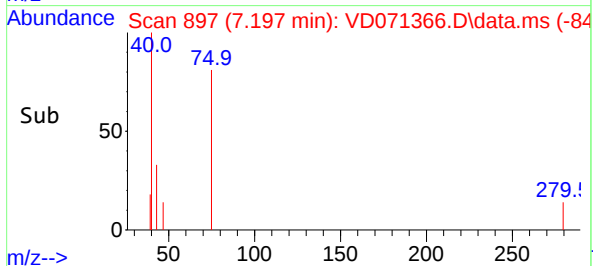
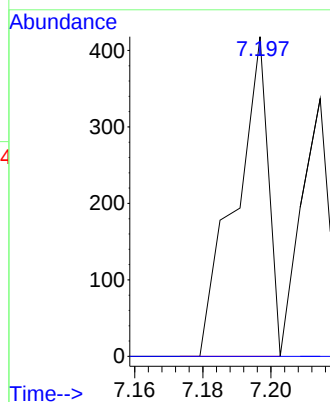
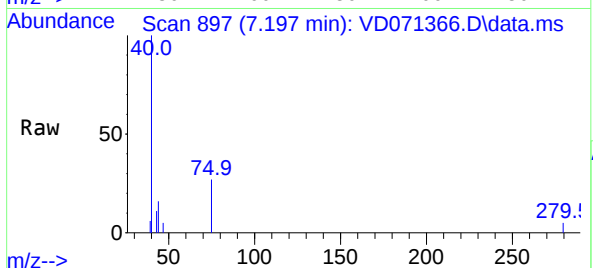
ClientSampleId :

Tgt Ion: 43 Resp: 279

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.541 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071366.D

Acq: 16 Dec 2021 14:41

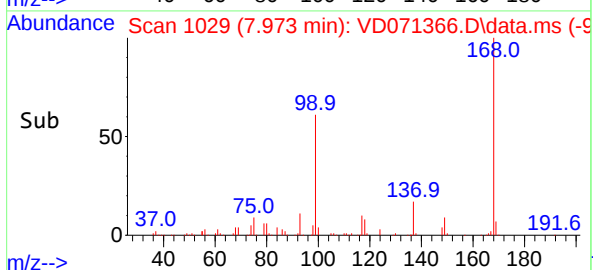
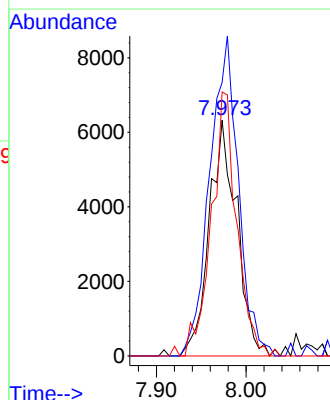
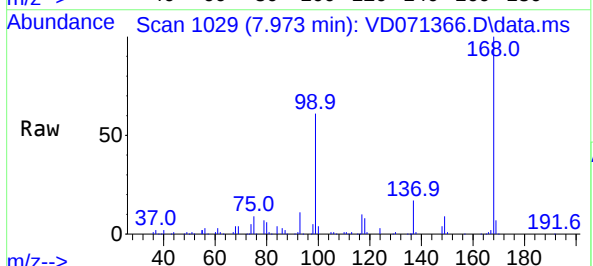
Tgt Ion: 56 Resp: 13581

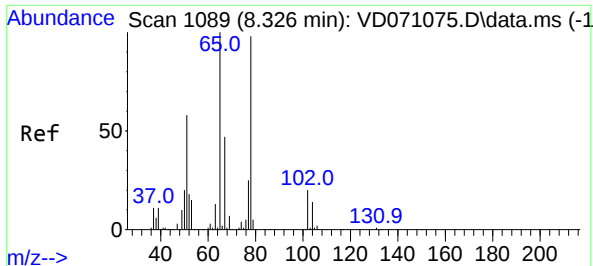
Ion Ratio Lower Upper

56 100

69 116.1 25.9 38.9#

84 112.0 64.3 96.5#

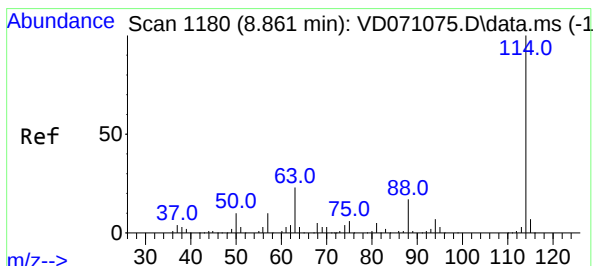
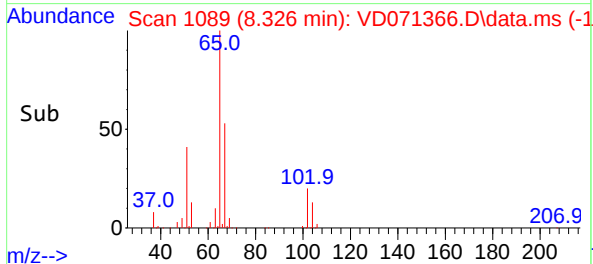
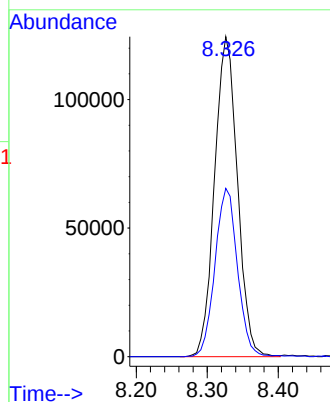
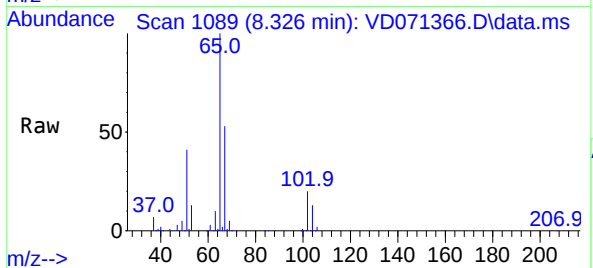




#33
1,2-Dichloroethane-d4
Concen: 53.565 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

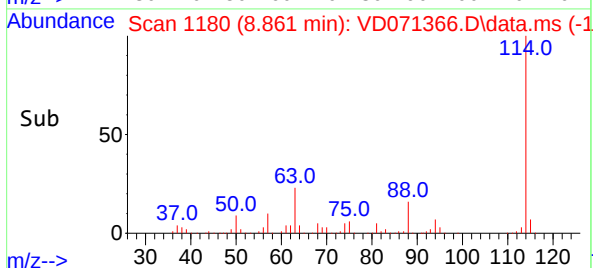
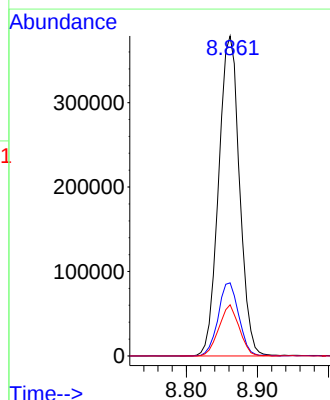
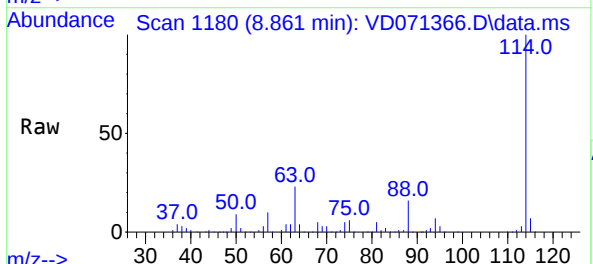
Instrument :
MSVOA_D
ClientSampleId :

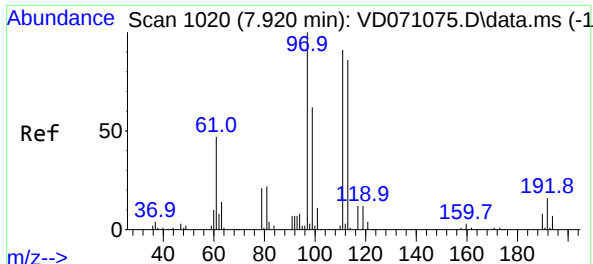
Tgt Ion: 65 Resp: 277458
Ion Ratio Lower Upper
65 100
67 52.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Tgt Ion: 114 Resp: 770739
Ion Ratio Lower Upper
114 100
63 22.8 0.0 41.8
88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.873 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071366.D

Acq: 16 Dec 2021 14:41

Instrument :

MSVOA_D

ClientSampleId :

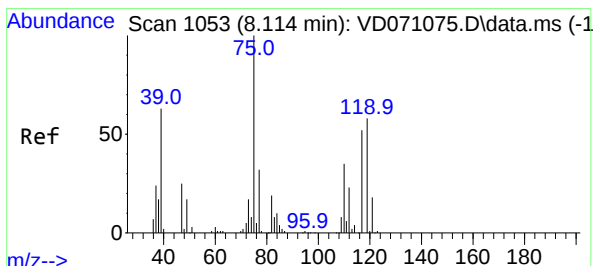
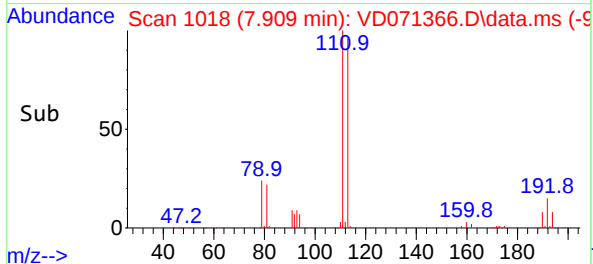
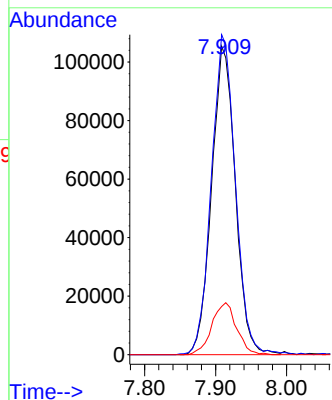
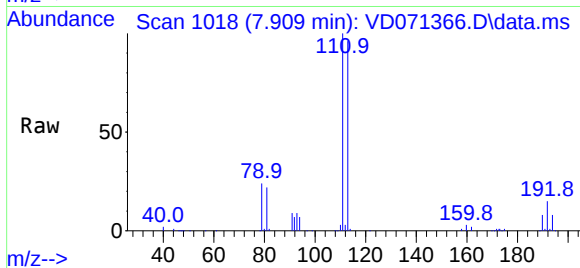
Tgt Ion:113 Resp: 244774

Ion Ratio Lower Upper

113 100

111 104.9 82.0 123.0

192 17.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.784 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071366.D

Acq: 16 Dec 2021 14:41

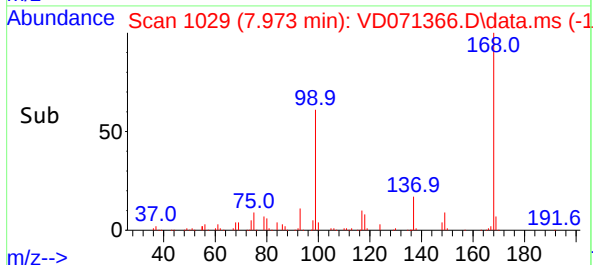
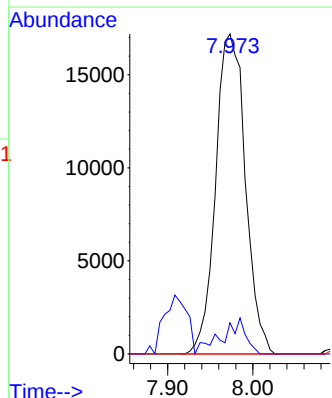
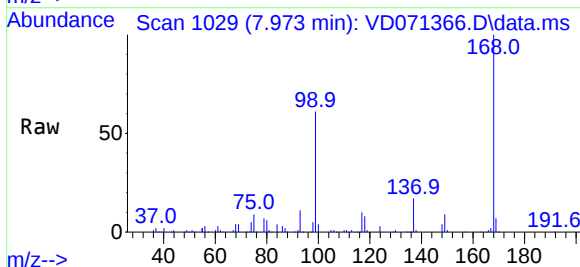
Tgt Ion: 75 Resp: 41665

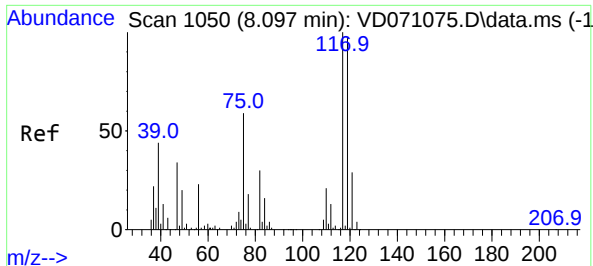
Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.4#

77 0.0 24.8 37.2#

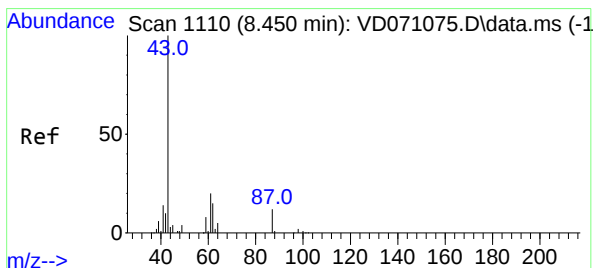
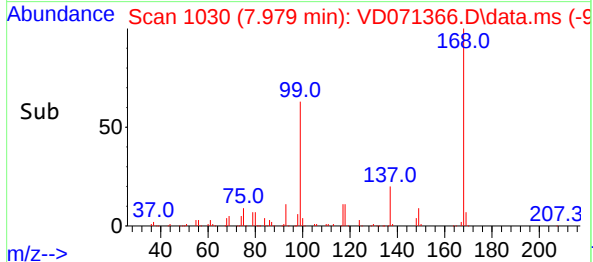
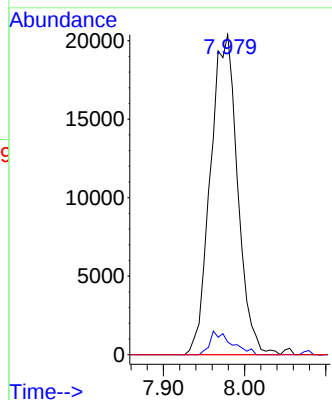
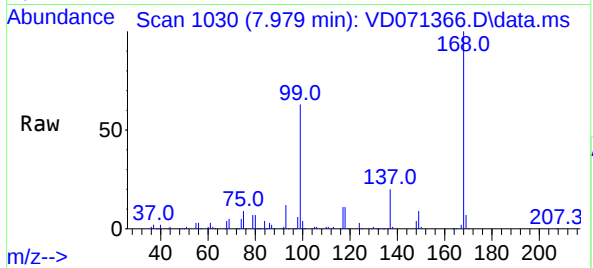




#38
Carbon Tetrachloride
Concen: 6.673 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

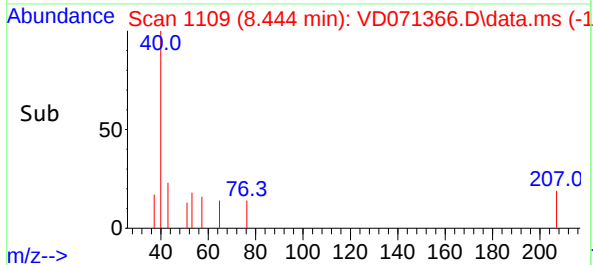
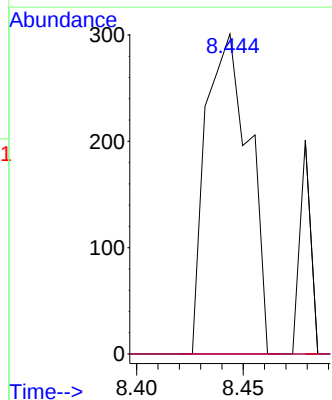
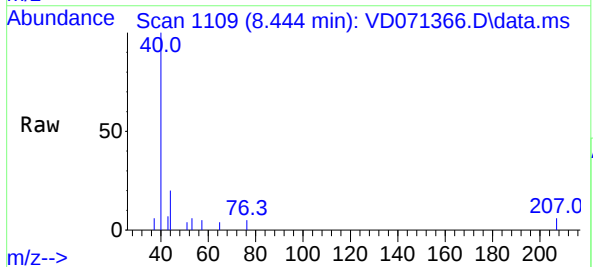
Instrument :
MSVOA_D
ClientSampleId :

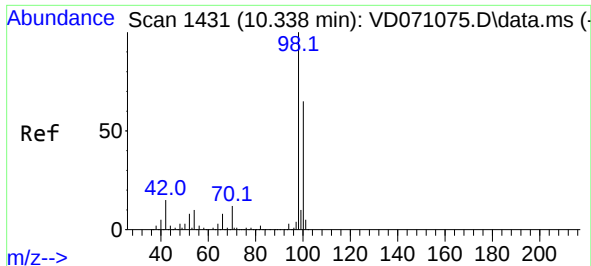
Tgt Ion:117 Resp: 47384
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.278 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

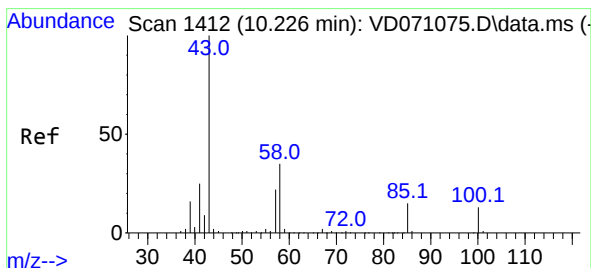
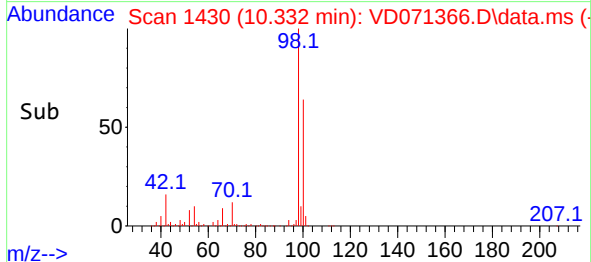
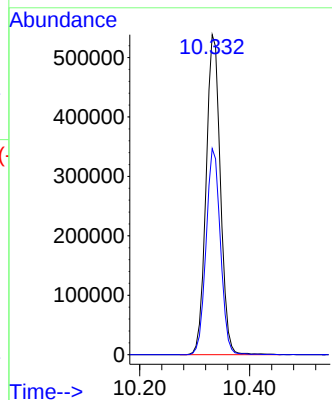
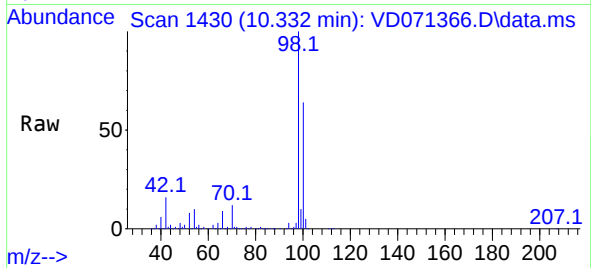




#50
Toluene-d8
Concen: 51.994 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

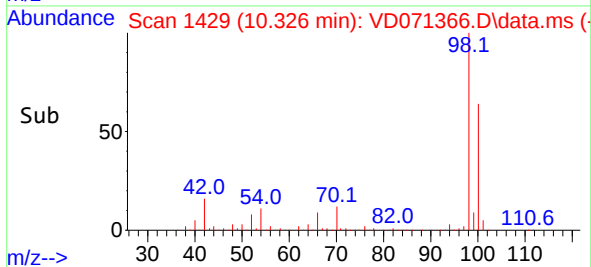
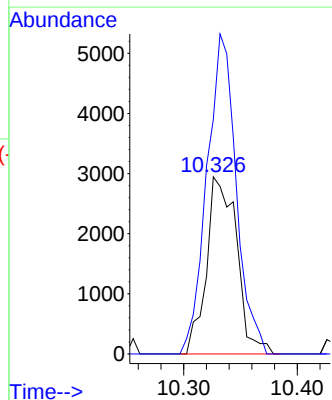
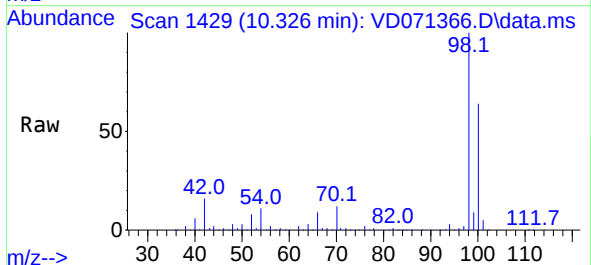
Instrument :
MSVOA_D
ClientSampleId :

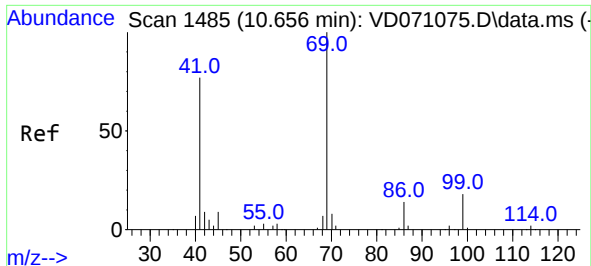
Tgt Ion: 98 Resp: 971107
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.013 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

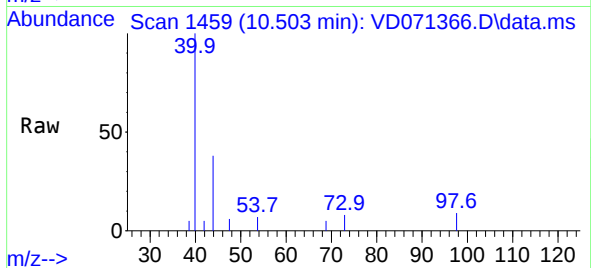
Tgt Ion: 43 Resp: 5443
Ion Ratio Lower Upper
43 100
58 175.4 33.1 49.7#



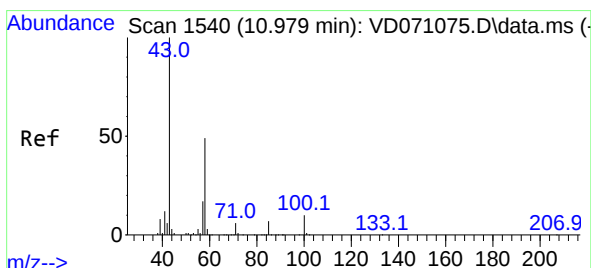
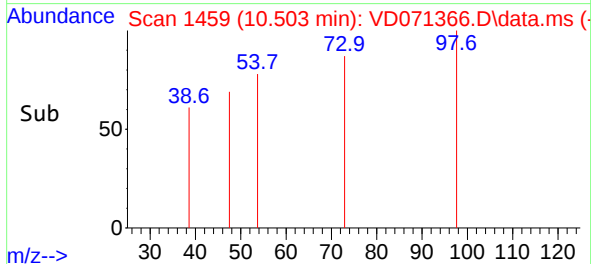
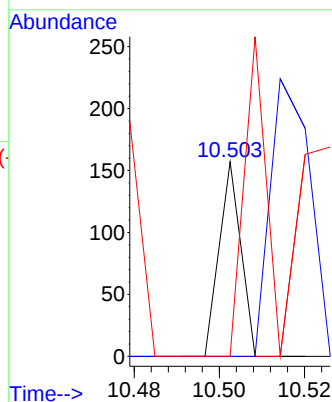


#56
Ethyl methacrylate
Concen: 5.980 ug/l
RT: 10.503 min Scan# 1485
Delta R.T. -0.154 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Instrument :
MSVOA_D
ClientSampleId :

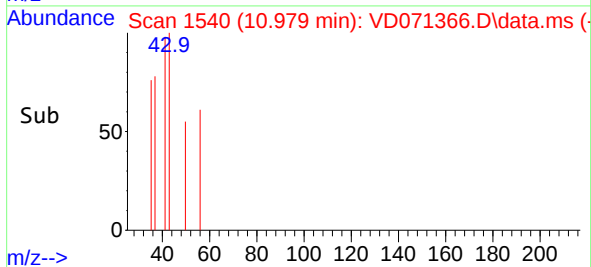
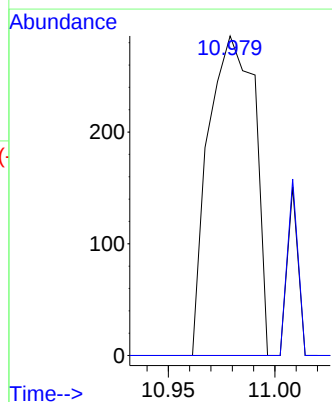
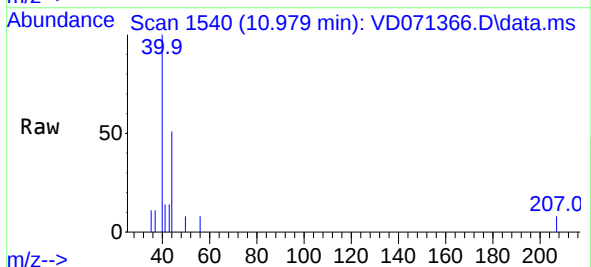


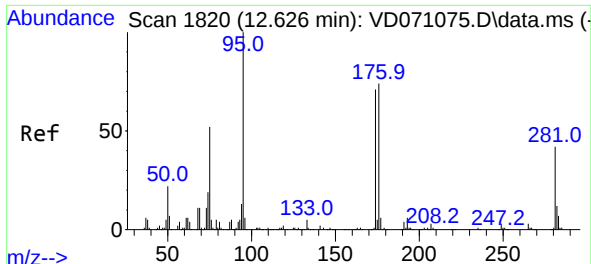
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 261.8 50.2 75.2#
39 165.5 19.8 29.8#



#59
2-Hexanone
Concen: 34.715 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

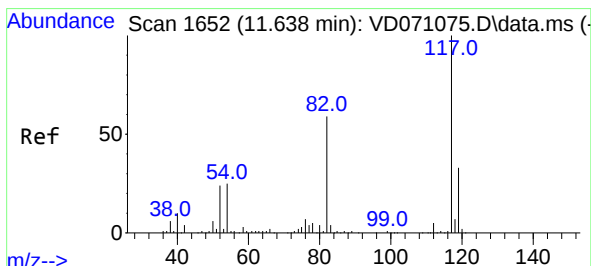
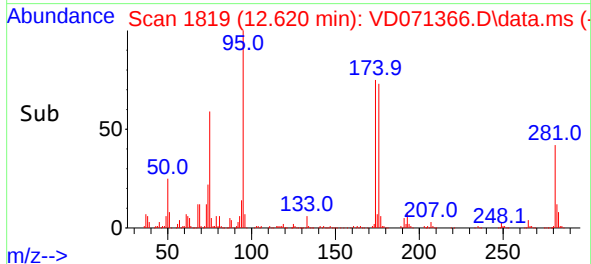
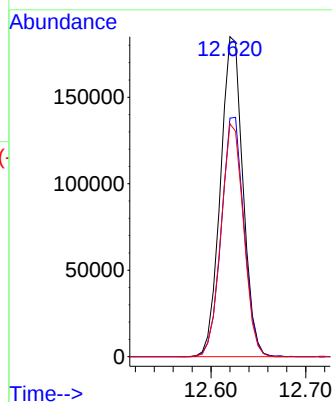
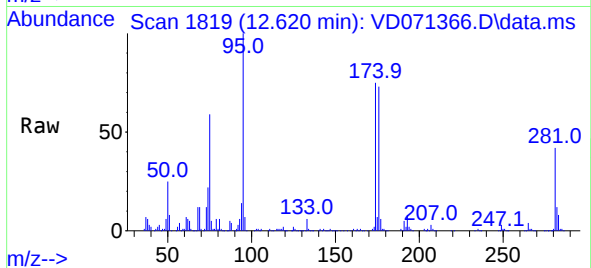




#62
4-Bromofluorobenzene
Concen: 47.130 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

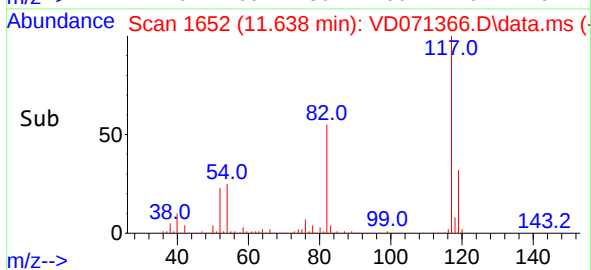
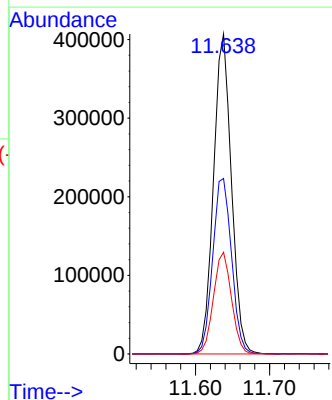
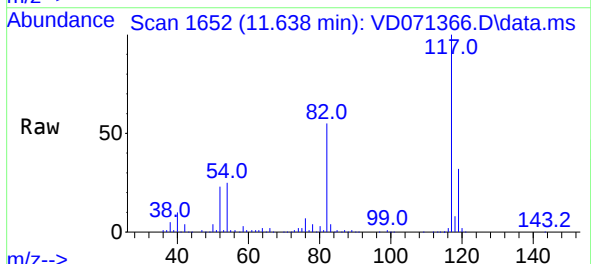
Instrument :
MSVOA_D
ClientSampleId :

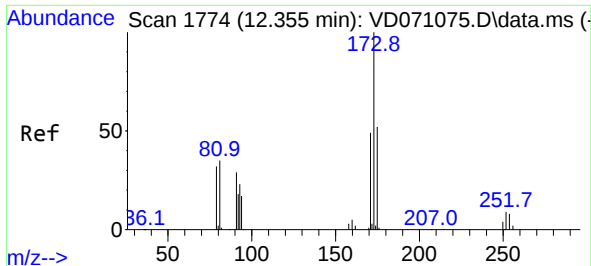
Tgt Ion: 95 Resp: 305135
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.4
176 73.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Tgt Ion: 117 Resp: 683927
Ion Ratio Lower Upper
117 100
82 54.9 44.7 67.1
119 31.8 26.2 39.4

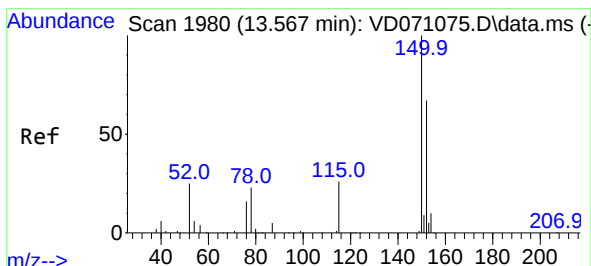
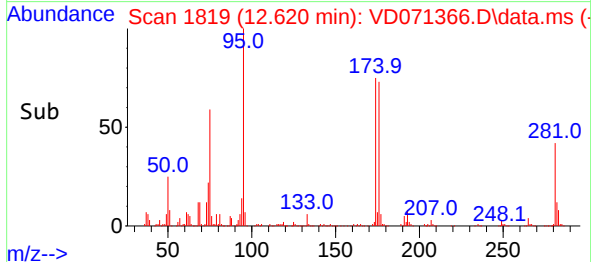
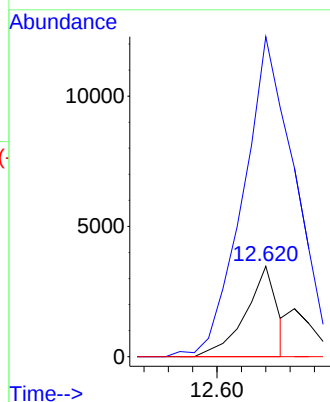
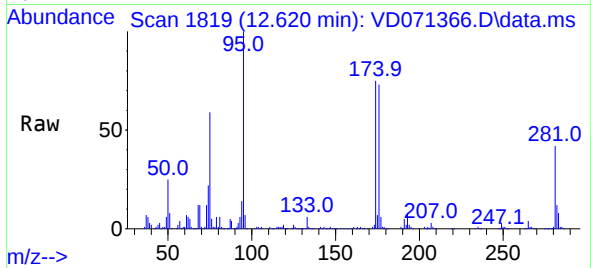




#71
Bromoform
Concen: 1.301 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

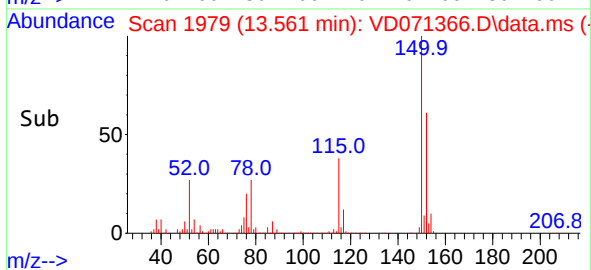
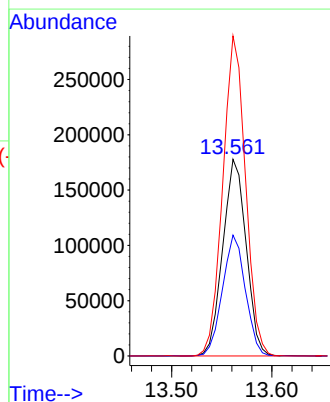
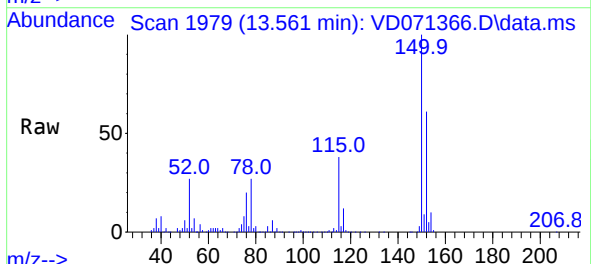
Instrument :
MSVOA_D
ClientSampleId :

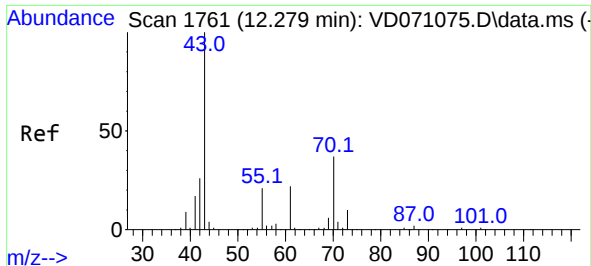
Tgt Ion:173 Resp: 3123
Ion Ratio Lower Upper
173 100
175 518.3 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

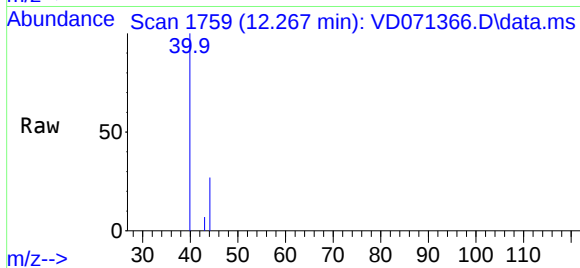
Tgt Ion:152 Resp: 287701
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 158.2 0.0 349.2



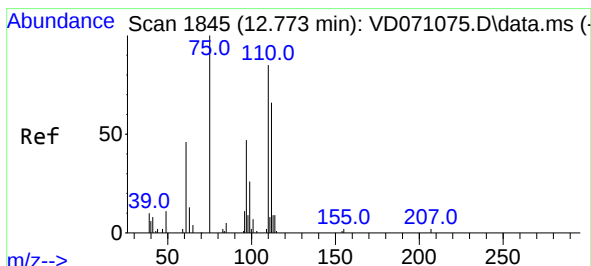
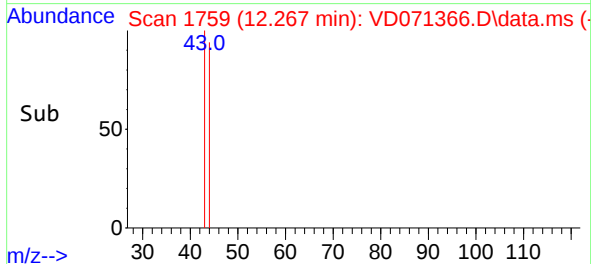
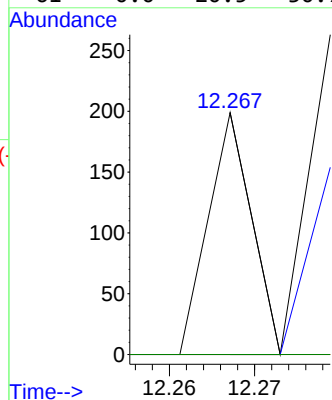


#74
N-amy1 acetate
Concen: 5.712 ug/l
RT: 12.267 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Instrument :
MSVOA_D
ClientSampleId :

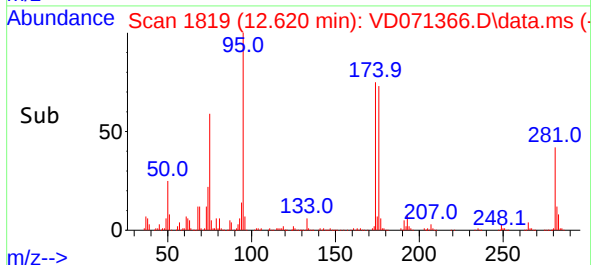
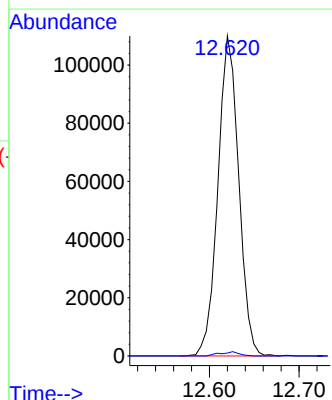
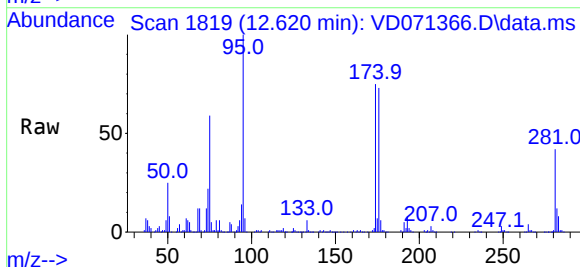


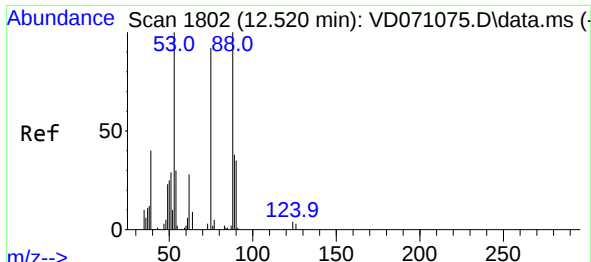
Tgt Ion: 43	Resp:	70
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 64.724 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

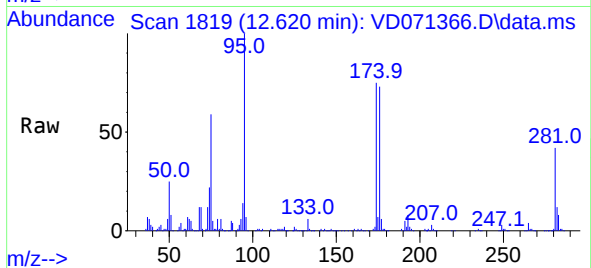
Tgt Ion: 75	Resp:	177415
Ion	Ratio	Lower Upper
75	100	
77	1.2	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 139.678 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071366.D
Acq: 16 Dec 2021 14:41

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 177415
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.3 34.5 51.7#

