

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071334.D
 Acq On : 15 Dec 2021 11:17
 Operator : VA/SY
 Sample : VD1215SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:24:23 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	258354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	455450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	416838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	192375	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	162739	53.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.360%
35) Dibromofluoromethane	7.914	113	151096	52.097	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.200%
50) Toluene-d8	10.338	98	499845	45.288	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.580%
62) 4-Bromofluorobenzene	12.620	95	179855	47.011	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.020%

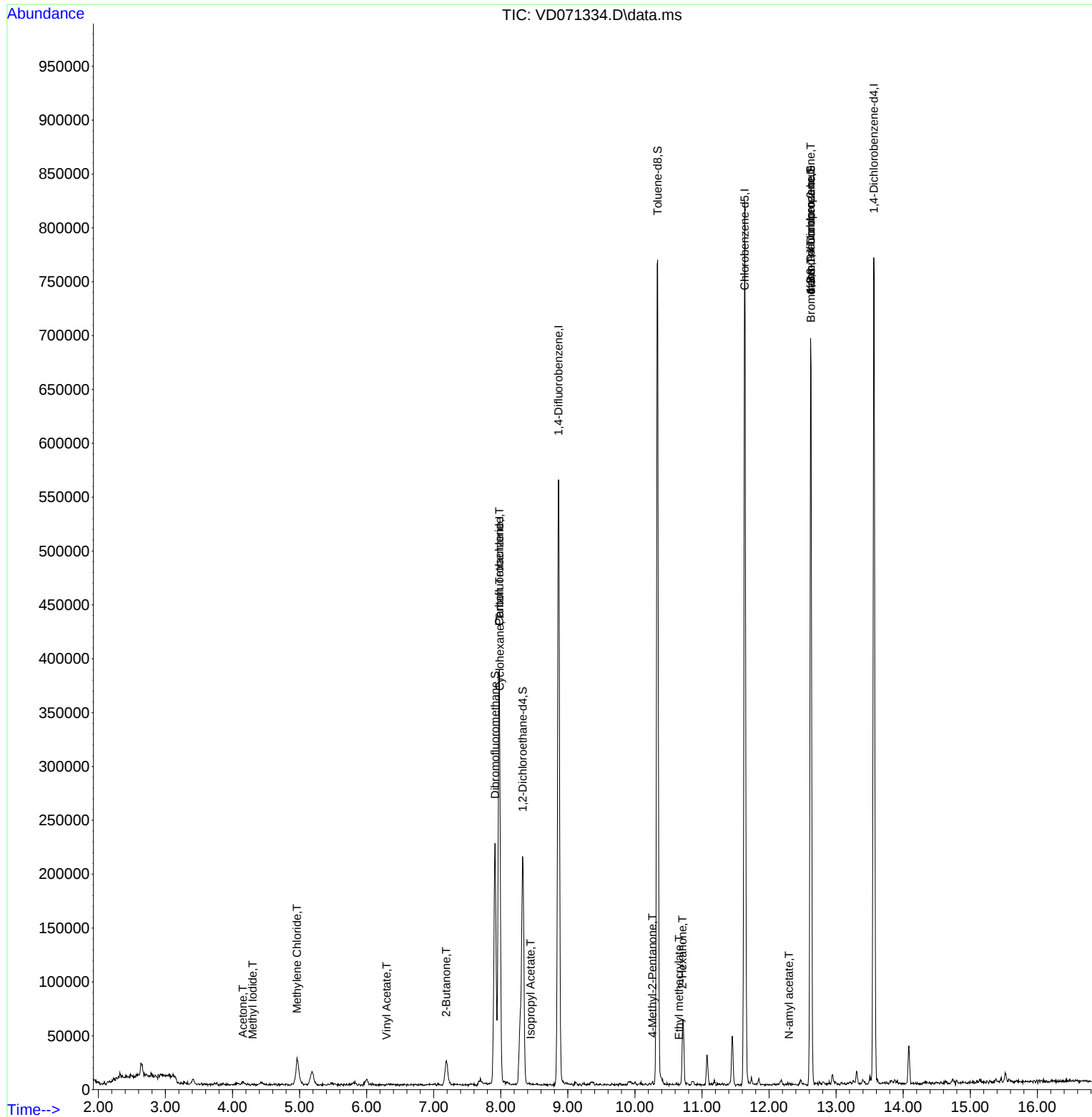
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	228	4.629	ug/l #	40
11) Tert butyl alcohol	5.179	59	6707	Below Cal	#	71
16) Acetone	4.156	43	2124	33.110	ug/l #	68
20) Methylene Chloride	4.961	84	16258	1.242	ug/l	90
23) Vinyl Acetate	6.297	43	173	27.250	ug/l #	72
25) 2-Butanone	7.185	43	1690	29.971	ug/l #	45
31) Cyclohexane	7.985	56	8600	1.668	ug/l #	61
38) Carbon Tetrachloride	7.979	117	28993	6.909	ug/l #	15
41) Methacrylonitrile	7.538	41	172	Below Cal	#	36
43) Isopropyl Acetate	8.444	43	284	5.286	ug/l #	29
51) 4-Methyl-2-Pentanone	10.261	43	325	30.789	ug/l	99
56) Ethyl methacrylate	10.661	69	67	5.990	ug/l #	54
59) 2-Hexanone	10.708	43	208	34.689	ug/l	68
71) Bromoform	12.626	173	2465	1.685	ug/l #	1
74) N-amyl acetate	12.296	43	199	5.747	ug/l #	43
76) 1,2,3-Trichloropropane	12.620	75	102237	55.780	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	102237	121.174	ug/l #	18

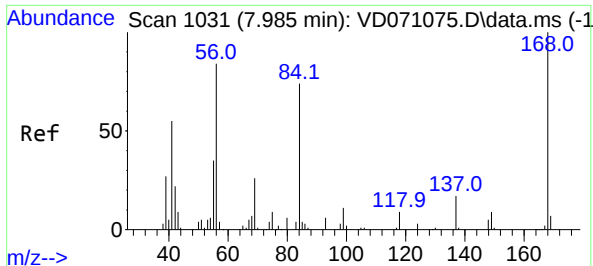
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 15 Dec 2021 11:17
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Quant Time: Dec 16 04:24:23 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

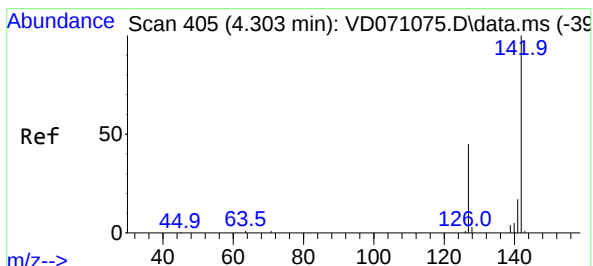
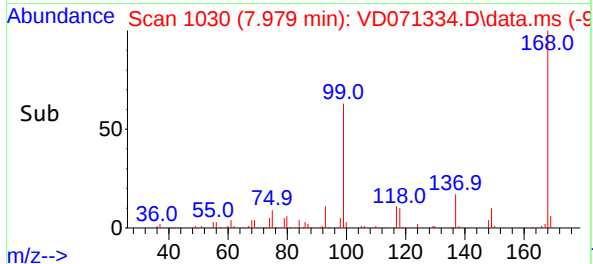
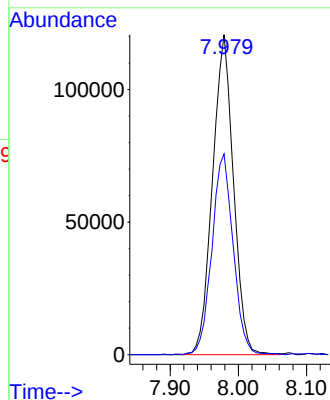
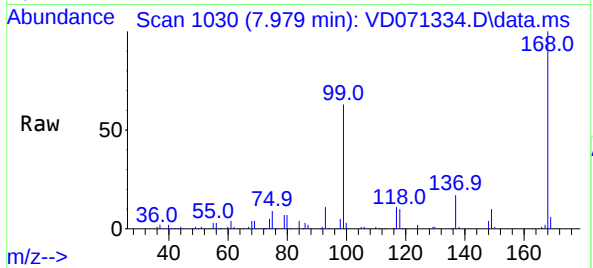




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

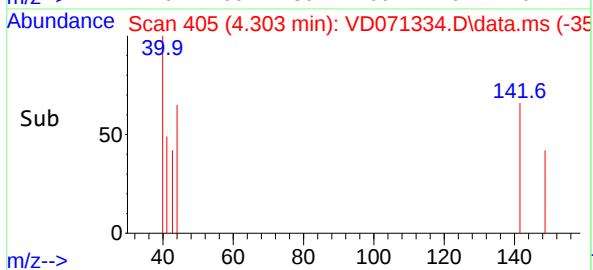
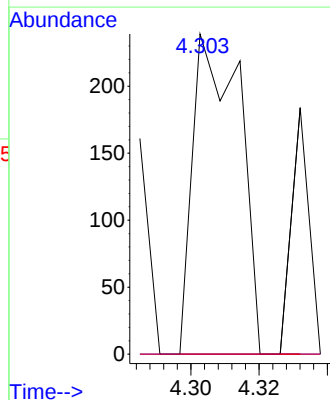
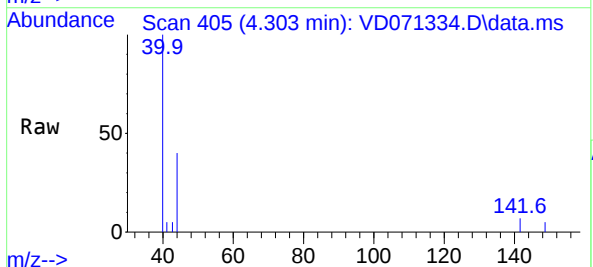
Instrument :
MSVOA_D
ClientSampleId :

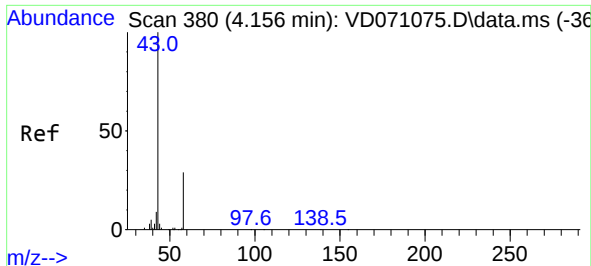
Tgt Ion:168 Resp: 258354
Ion Ratio Lower Upper
168 100
99 62.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.629 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Tgt Ion:142 Resp: 228
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

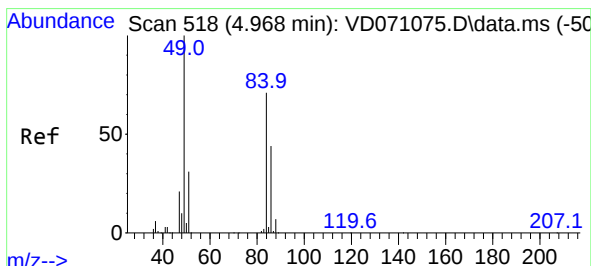
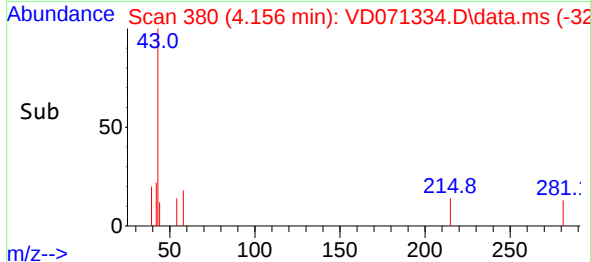
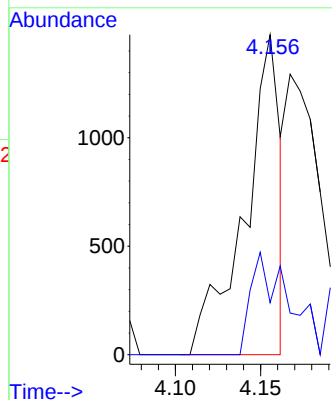
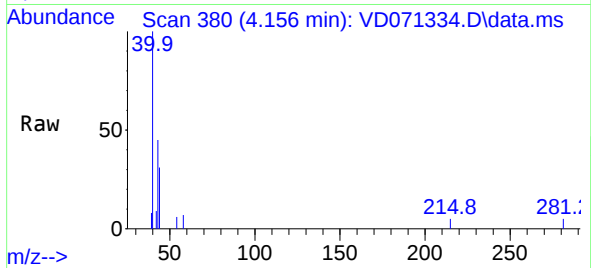




#16
Acetone
Concen: 33.110 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

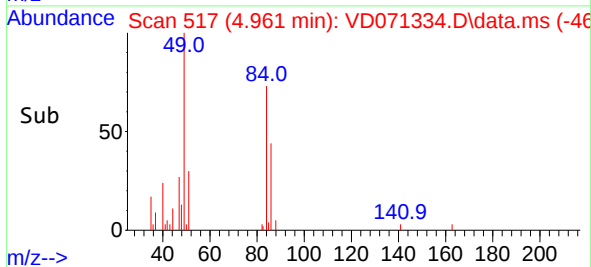
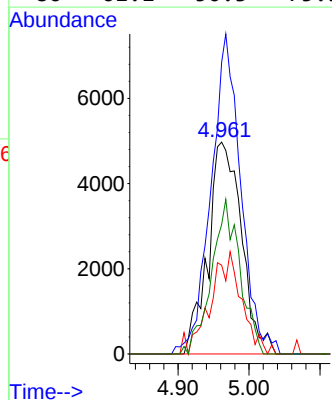
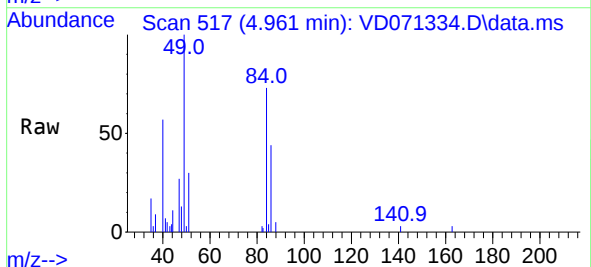
Instrument :
MSVOA_D
ClientSampleId :

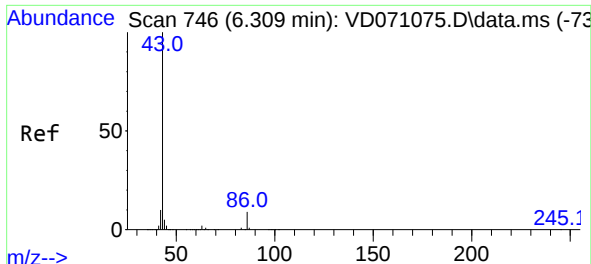
Tgt Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
58 16.3 27.8 41.8#



#20
Methylene Chloride
Concen: 1.242 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Tgt Ion: 84 Resp: 16258
Ion Ratio Lower Upper
84 100
49 137.6 95.8 143.6
51 41.9 30.9 46.3
86 61.1 50.3 75.5

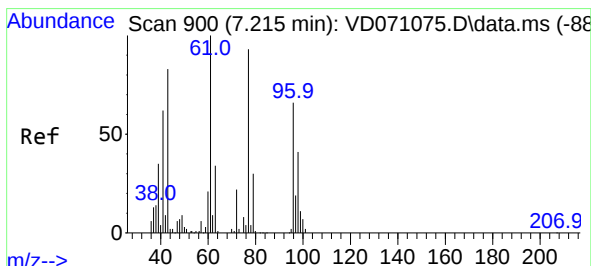
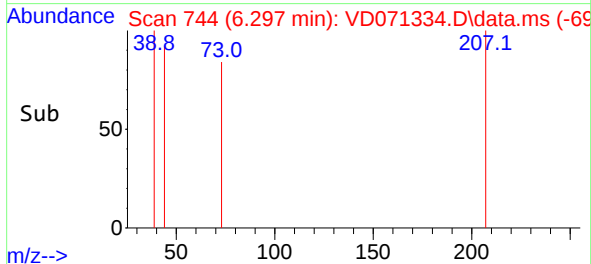
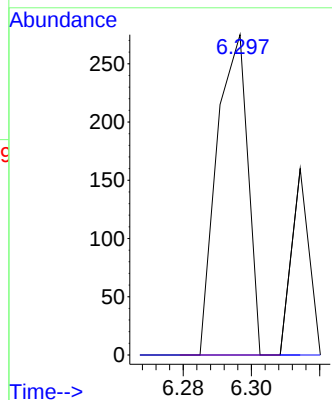
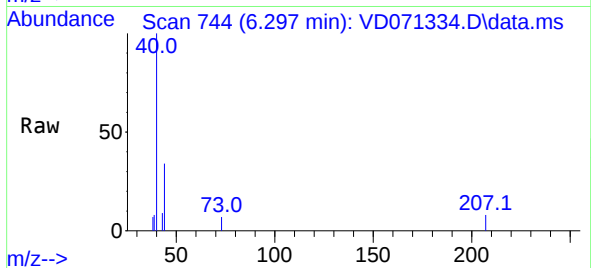




#23
 Vinyl Acetate
 Concen: 27.250 ug/l
 RT: 6.297 min Scan# 746
 Delta R.T. -0.012 min
 Lab File: VD071334.D
 Acq: 15 Dec 2021 11:17

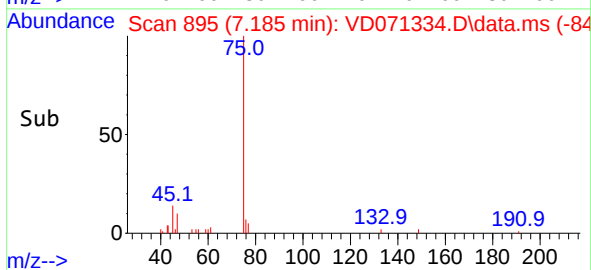
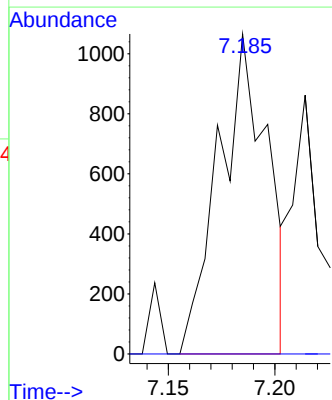
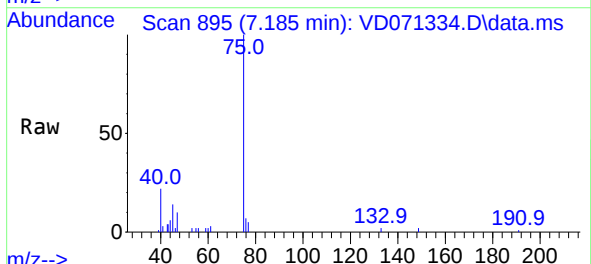
Instrument :
 MSVOA_D
 ClientSampleId :

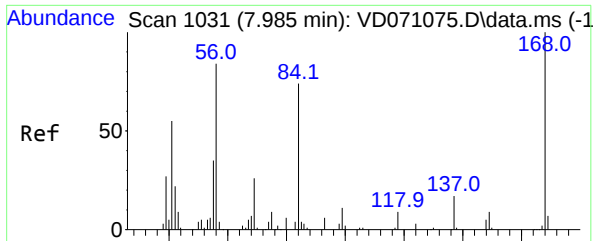
Tgt Ion: 43 Resp: 173
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.971 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071334.D
 Acq: 15 Dec 2021 11:17

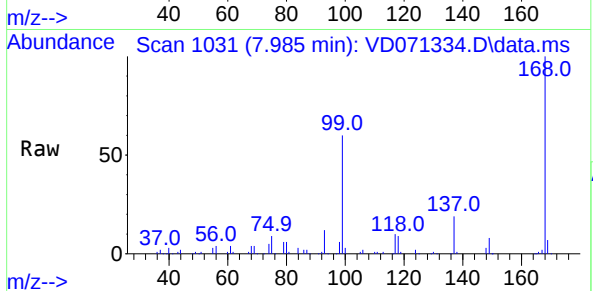
Tgt Ion: 43 Resp: 1690
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



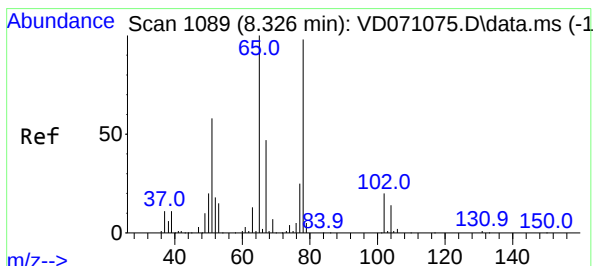
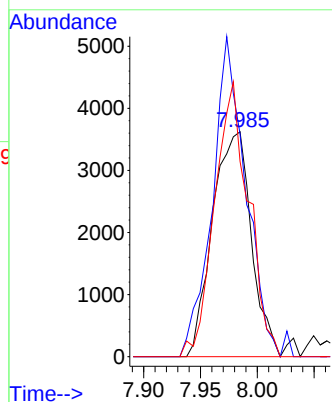
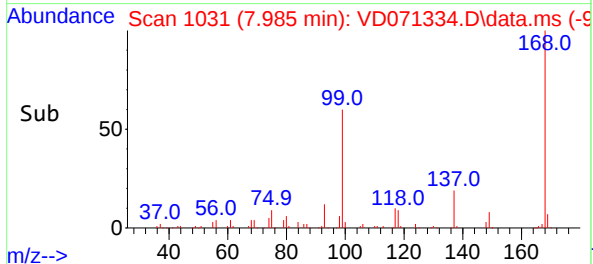


#31
Cyclohexane
Concen: 1.668 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

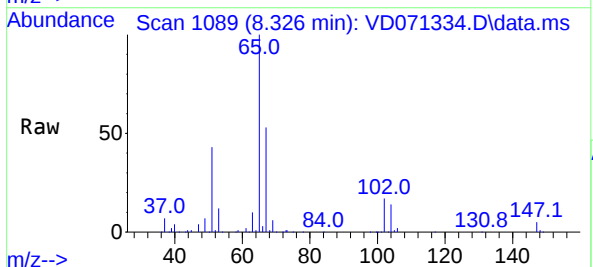
Instrument :
MSVOA_D
ClientSampleId :



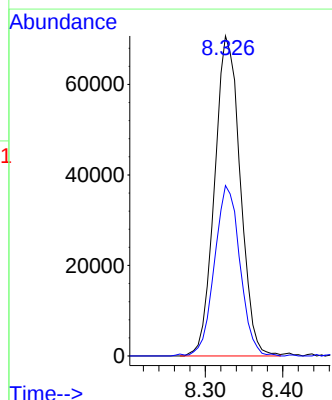
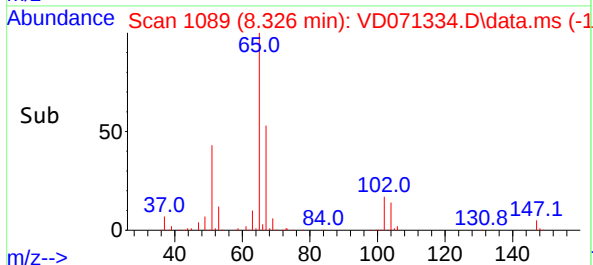
Tgt Ion: 56 Resp: 8600
Ion Ratio Lower Upper
56 100
69 99.0 25.9 38.9#
84 86.8 64.3 96.5

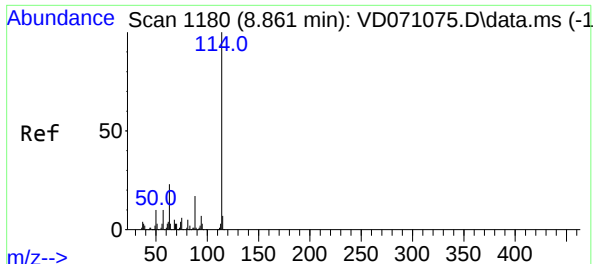


#33
1,2-Dichloroethane-d4
Concen: 53.683 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17



Tgt Ion: 65 Resp: 162739
Ion Ratio Lower Upper
65 100
67 53.0 0.0 112.2

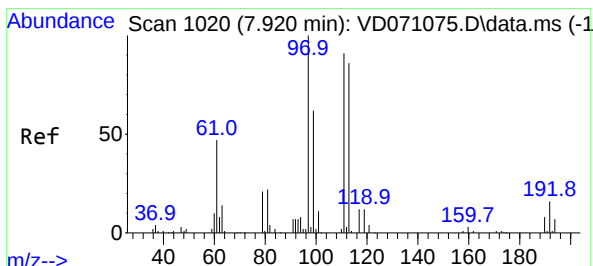
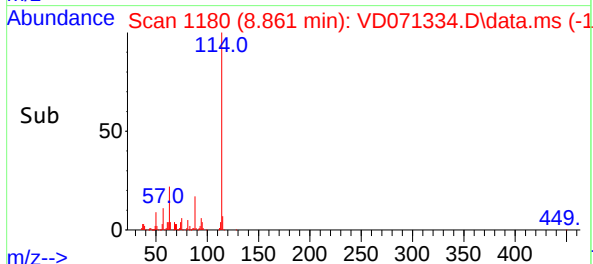
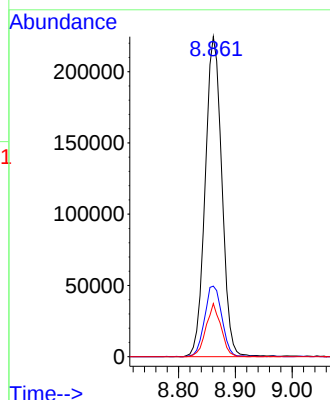
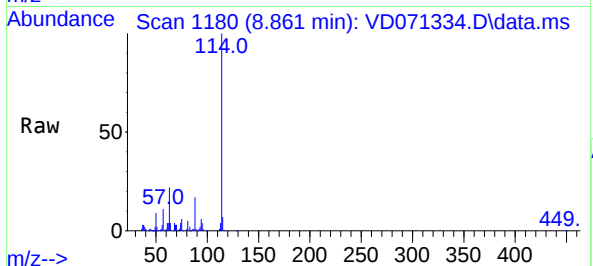




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

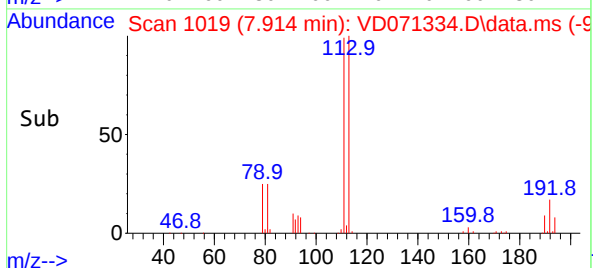
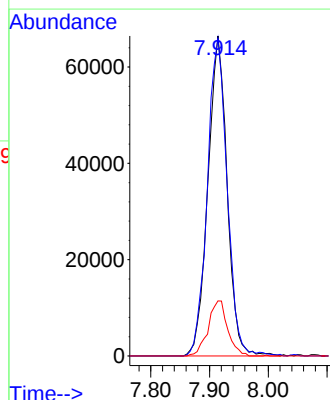
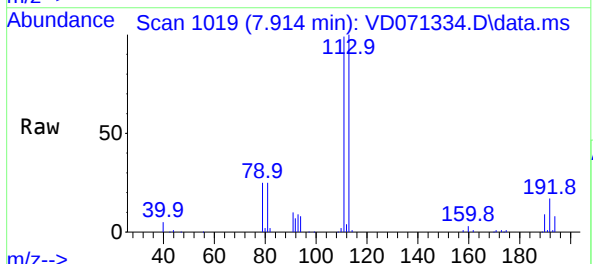
Instrument :
MSVOA_D
ClientSampleId :

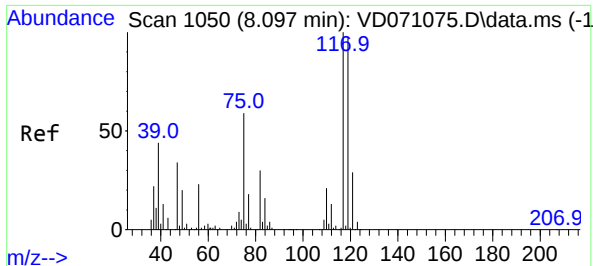
Tgt Ion:114 Resp: 455450
Ion Ratio Lower Upper
114 100
63 22.1 0.0 41.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.097 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Tgt Ion:113 Resp: 151096
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 17.4 15.2 22.8





#38

Carbon Tetrachloride

Concen: 6.909 ug/l

RT: 7.979 min Scan# 1109

Delta R.T. -0.118 min

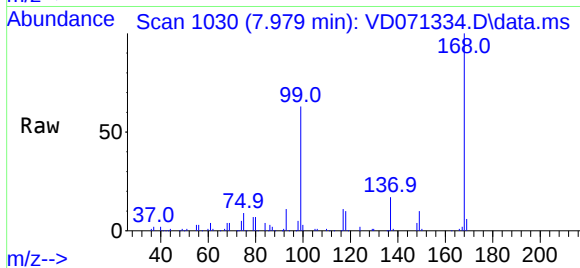
Lab File: VD071334.D

Acq: 15 Dec 2021 11:17

Instrument :

MSVOA_D

ClientSampleId :



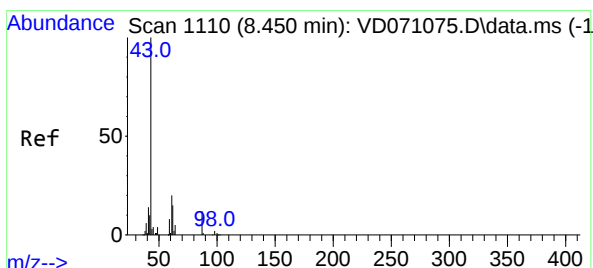
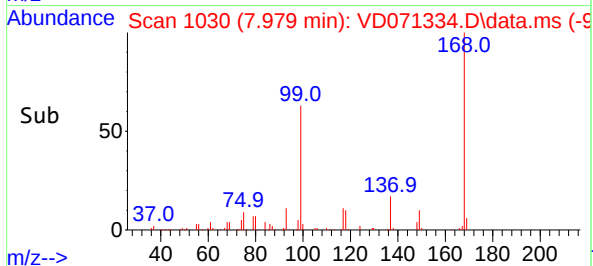
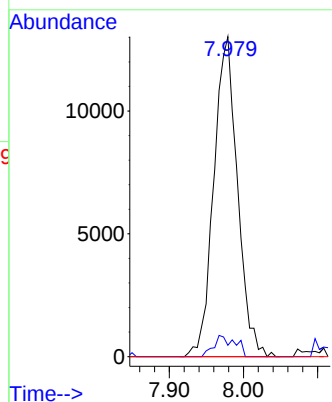
Tgt Ion:117 Resp: 28993

Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.286 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD071334.D

Acq: 15 Dec 2021 11:17

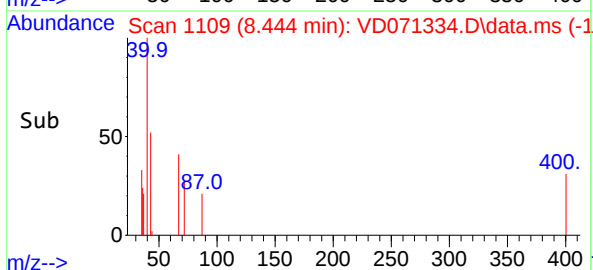
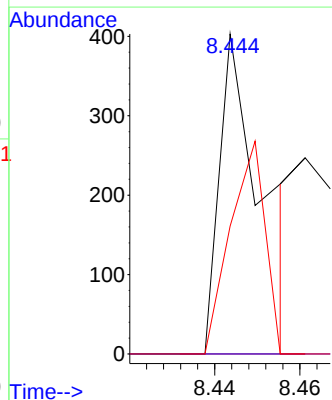
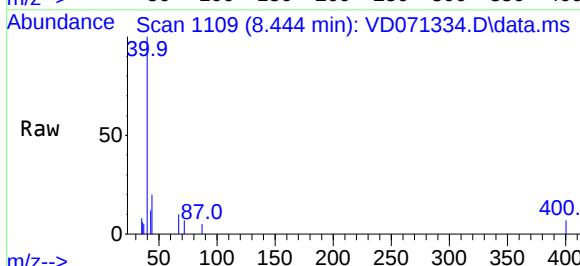
Tgt Ion: 43 Resp: 284

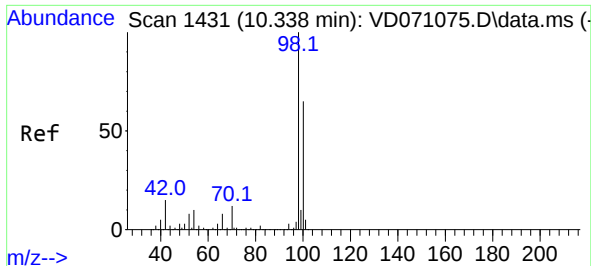
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 53.2 10.7 16.1#

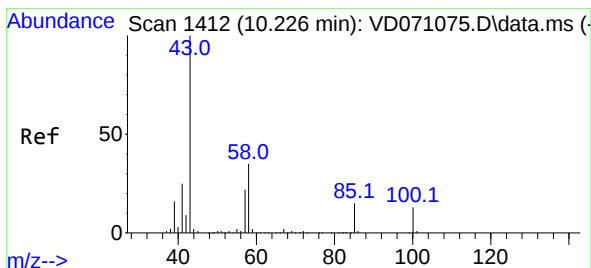
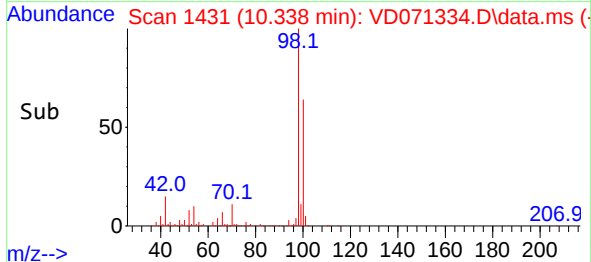
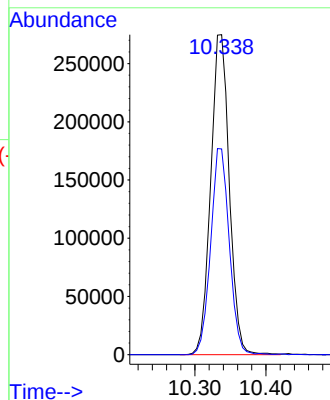
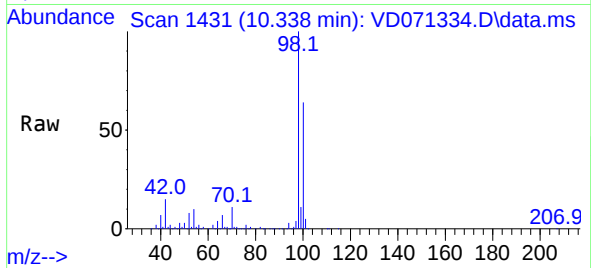




#50
Toluene-d8
Concen: 45.288 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

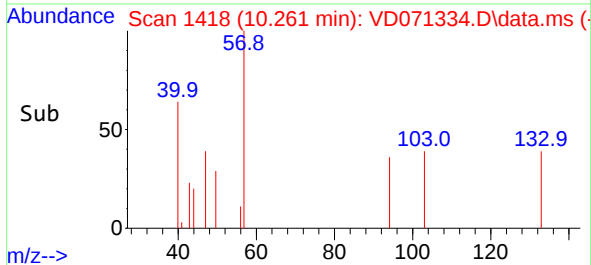
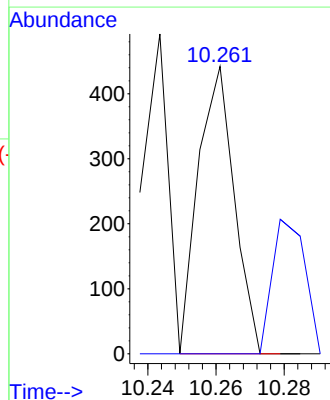
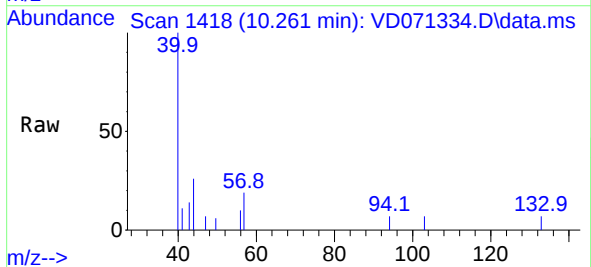
Instrument :
MSVOA_D
ClientSampleId :

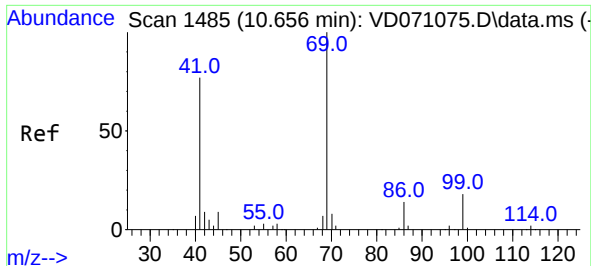
Tgt Ion: 98 Resp: 499845
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.789 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

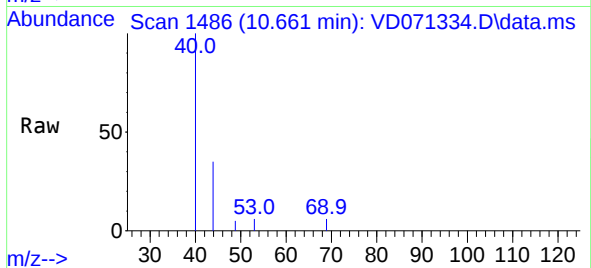
Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
58 42.2 33.1 49.7



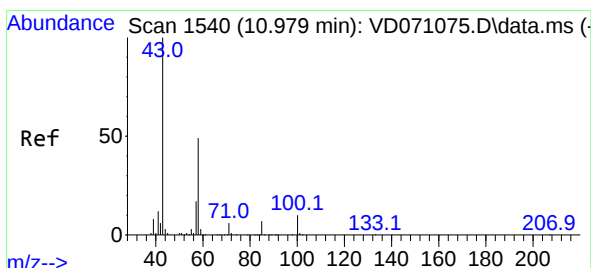
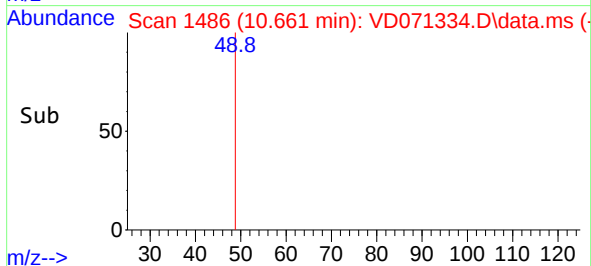
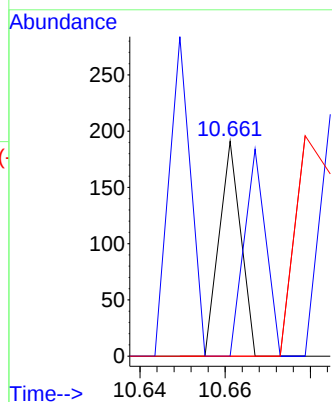


#56
Ethyl methacrylate
Concen: 5.990 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Instrument :
MSVOA_D
ClientSampleId :

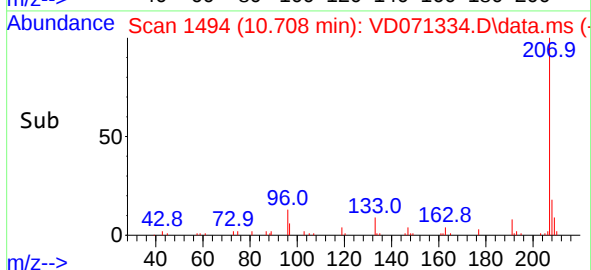
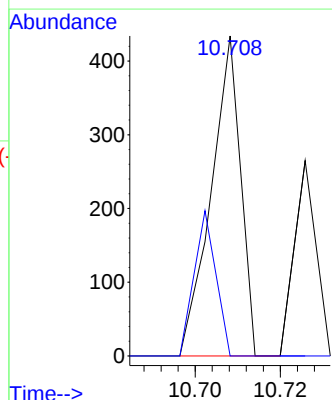
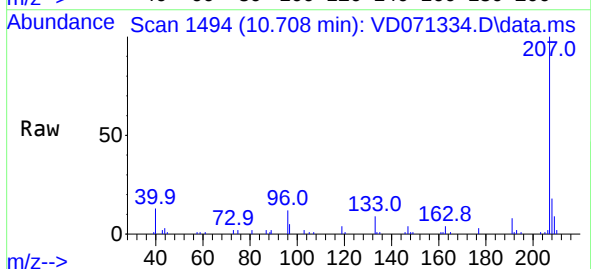


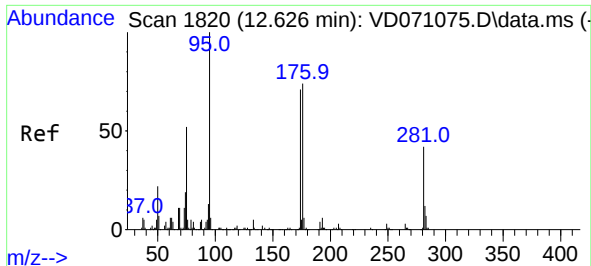
Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 97.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.689 ug/l
RT: 10.708 min Scan# 1494
Delta R.T. -0.271 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
58 33.7 28.7 86.1

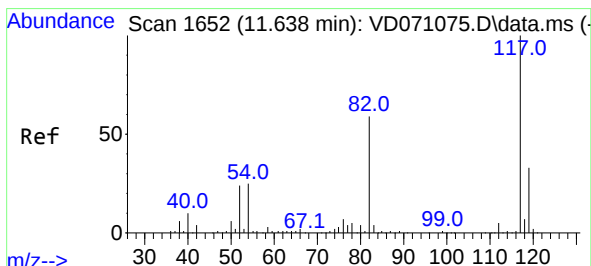
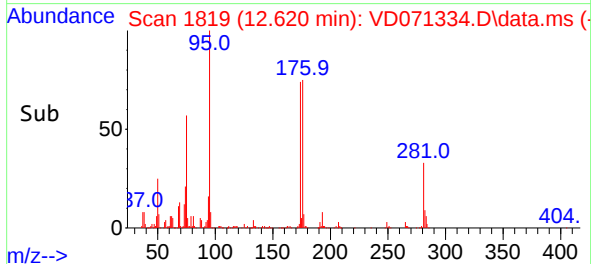
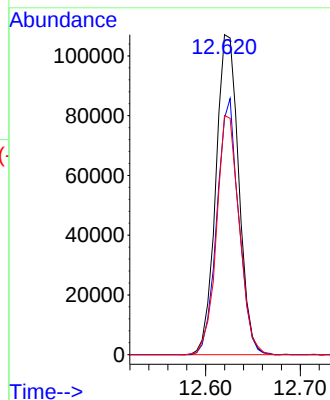
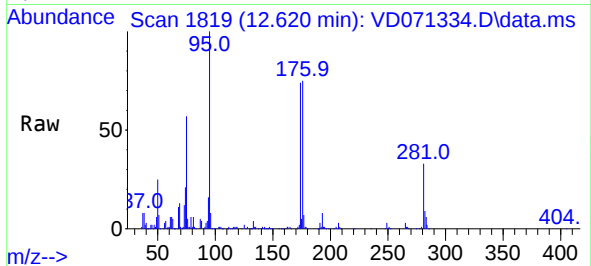




#62
4-Bromofluorobenzene
Concen: 47.011 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

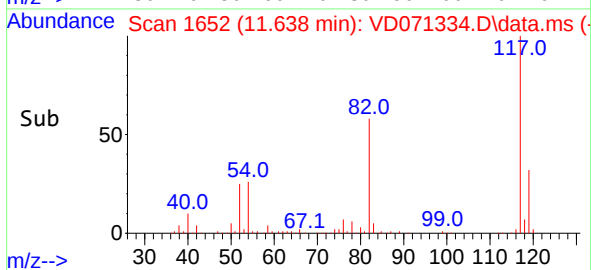
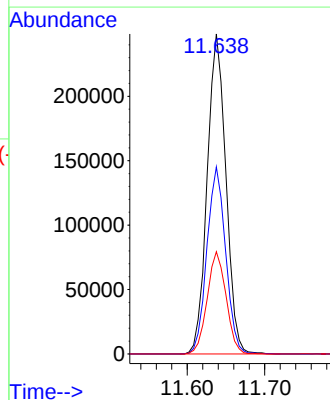
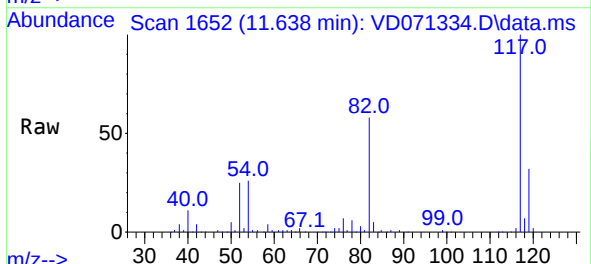
Instrument :
MSVOA_D
ClientSampleId :

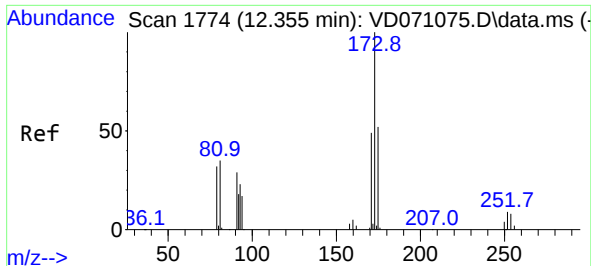
Tgt Ion: 95 Resp: 179855
Ion Ratio Lower Upper
95 100
174 76.1 0.0 159.4
176 73.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Tgt Ion: 117 Resp: 416838
Ion Ratio Lower Upper
117 100
82 58.5 44.7 67.1
119 31.9 26.2 39.4

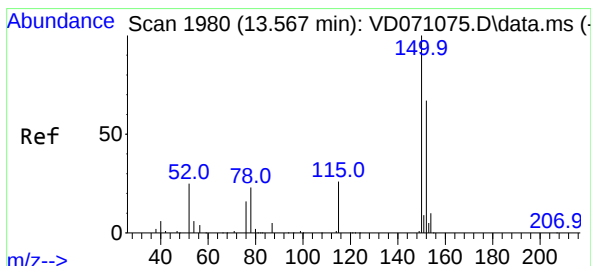
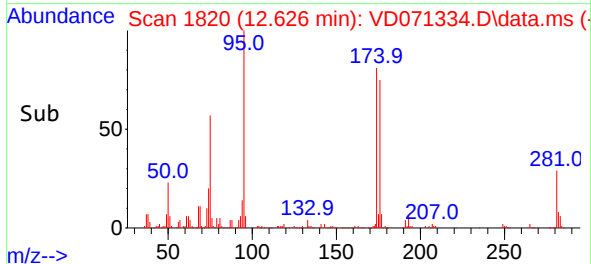
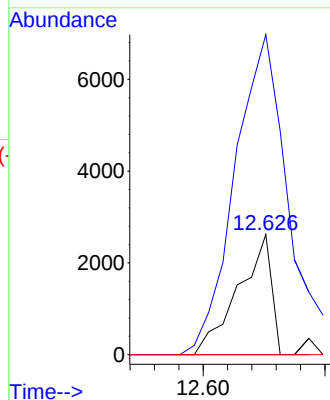
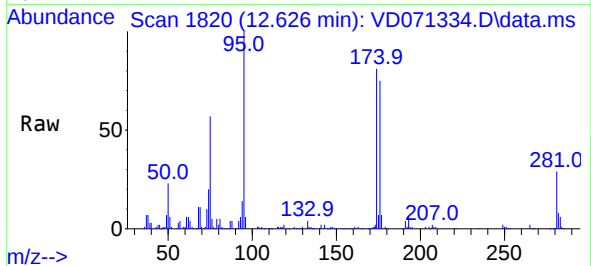




#71
Bromoform
Concen: 1.685 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

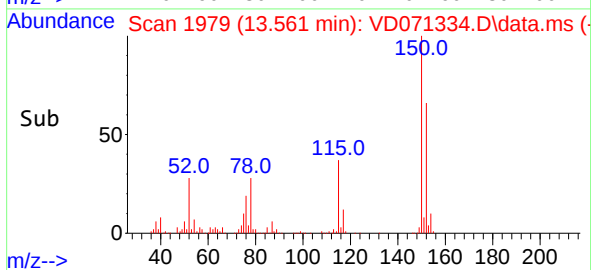
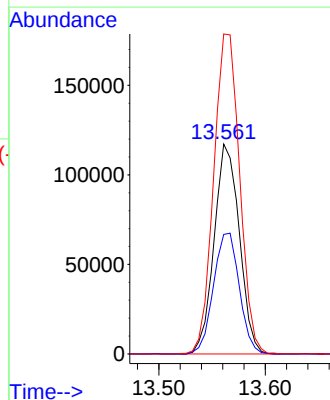
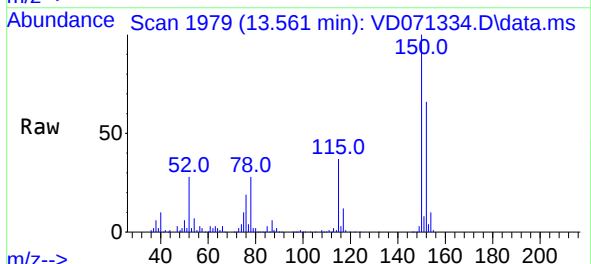
Instrument :
MSVOA_D
ClientSampleId :

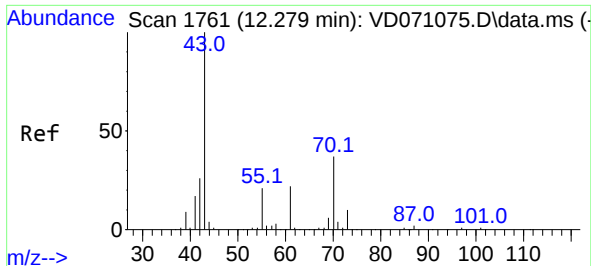
Tgt Ion:173 Resp: 2465
Ion Ratio Lower Upper
173 100
175 363.0 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Tgt Ion:152 Resp: 192375
Ion Ratio Lower Upper
152 100
115 59.1 29.8 89.3
150 157.2 0.0 349.2

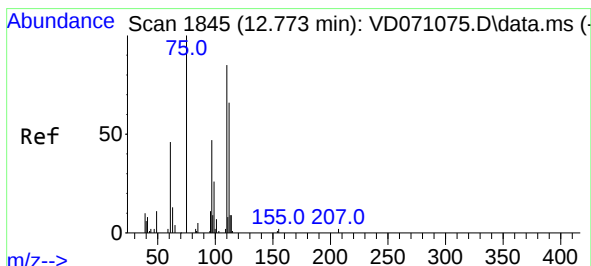
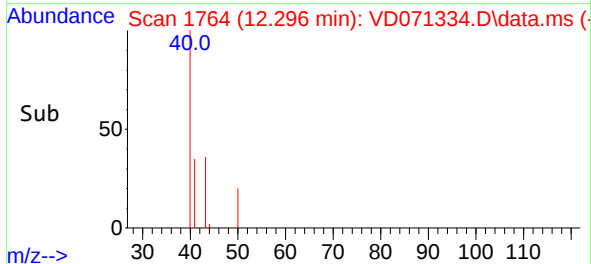
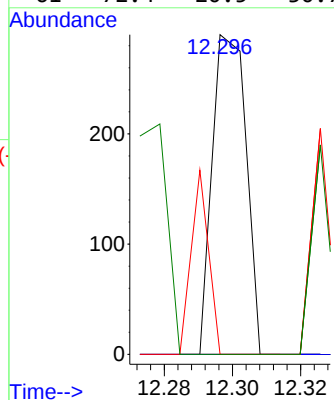
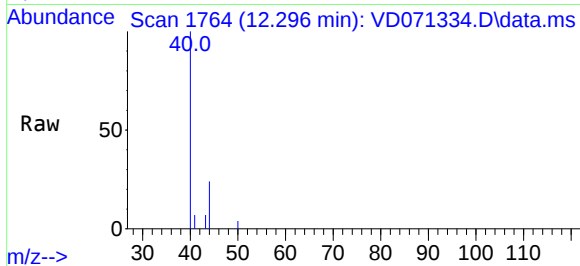




#74
N-amy1 acetate
Concen: 5.747 ug/l
RT: 12.296 min Scan# 11
Delta R.T. 0.017 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

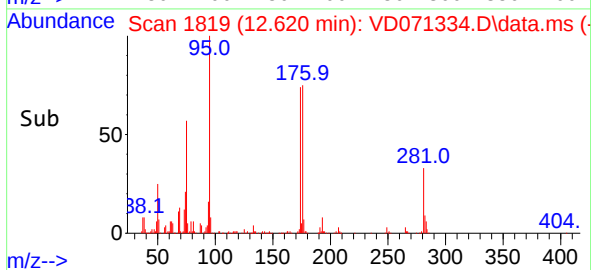
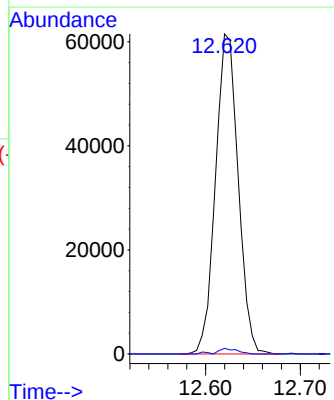
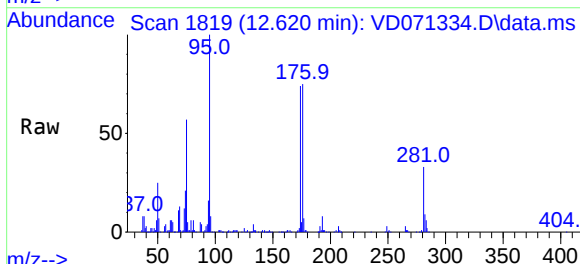
Instrument :
MSVOA_D
ClientSampleId :

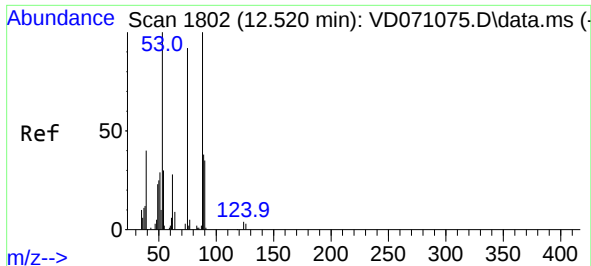
Tgt Ion:	43	Resp:	199
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	29.6	22.5	33.7
61	72.4	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 55.780 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

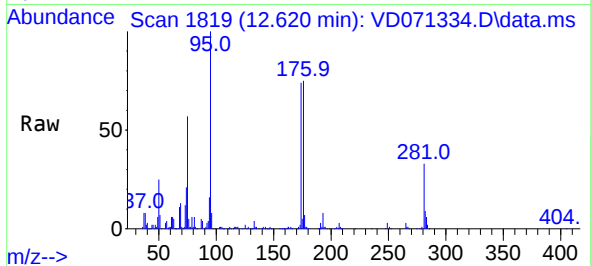
Tgt Ion:	75	Resp:	102237
Ion	Ratio	Lower	Upper
75	100		
77	1.6	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 121.174 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071334.D
Acq: 15 Dec 2021 11:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 102237
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.3 34.5 51.7#

