

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071216.D
 Acq On : 08 Dec 2021 20:08
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:20:28 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)

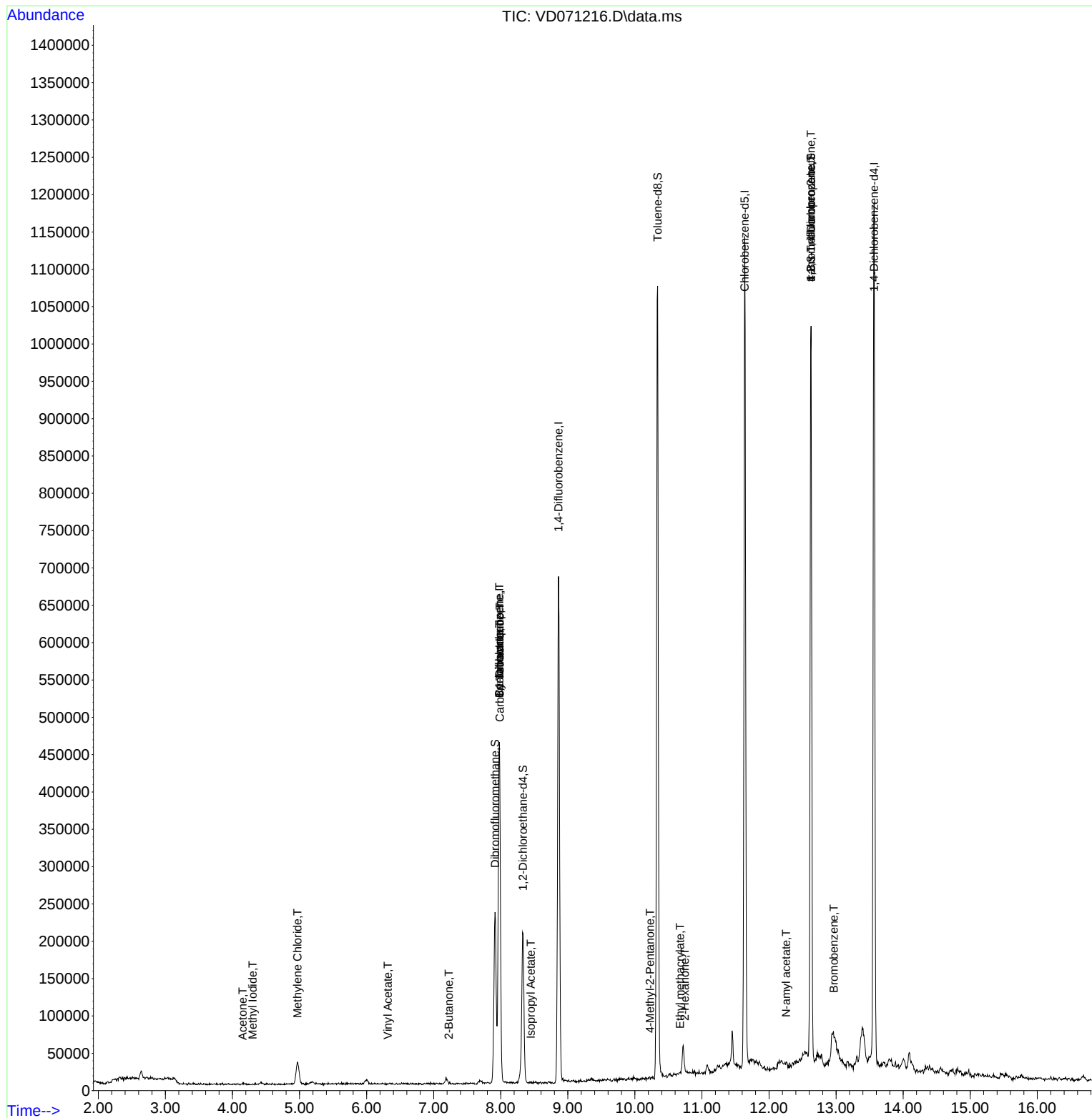
Internal Standards						
1) Pentafluorobenzene	7.979	168	328418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	586124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158688	41.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.360%
35) Dibromofluoromethane	7.914	113	161801	46.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.940%
50) Toluene-d8	10.338	98	703443	53.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.180%
62) 4-Bromofluorobenzene	12.626	95	295586	64.358	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.720%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	161	4.599	ug/l #	40
11) Tert butyl alcohol	5.238	59	72	Below Cal	#	71
16) Acetone	4.150	43	753	31.441	ug/l #	40
20) Methylene Chloride	4.968	84	22614	1.788	ug/l	94
23) Vinyl Acetate	6.314	43	67	27.228	ug/l #	72
25) 2-Butanone	7.226	43	197	28.507	ug/l #	45
31) Cyclohexane	7.979	56	9382	1.431	ug/l #	18
36) 1,1-Dichloropropene	7.979	75	29331	5.740	ug/l #	49
38) Carbon Tetrachloride	7.985	117	34181	6.786	ug/l #	15
41) Methacrylonitrile	7.526	41	352	Below Cal	#	21
43) Isopropyl Acetate	8.450	43	179	5.256	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	349	30.775	ug/l #	34
56) Ethyl methacrylate	10.673	69	548	6.105	ug/l #	1
59) 2-Hexanone	10.744	43	169	34.652	ug/l	84
74) N-amyl acetate	12.255	43	1640	5.947	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	160542	56.588	ug/l #	1
77) Bromobenzene	12.967	156	41214	8.825	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	160542	122.845	ug/l #	18

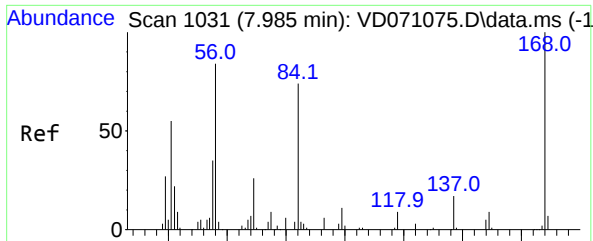
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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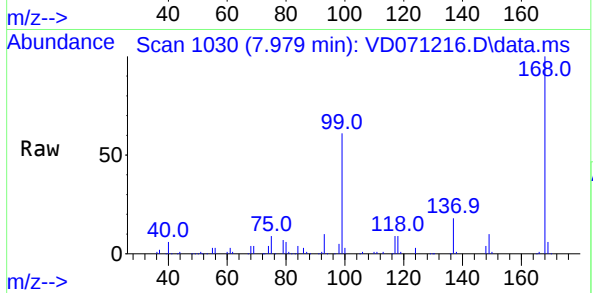
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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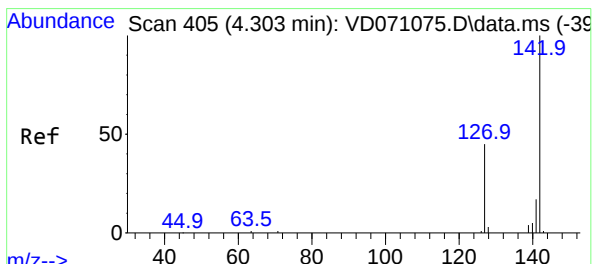
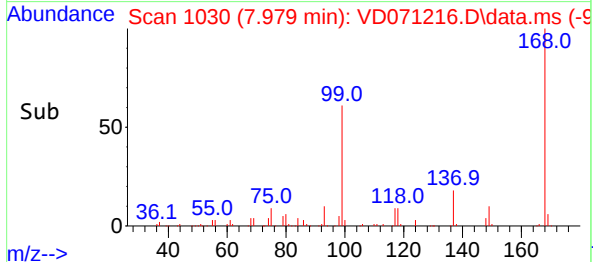
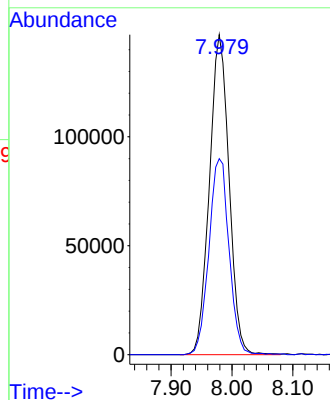


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

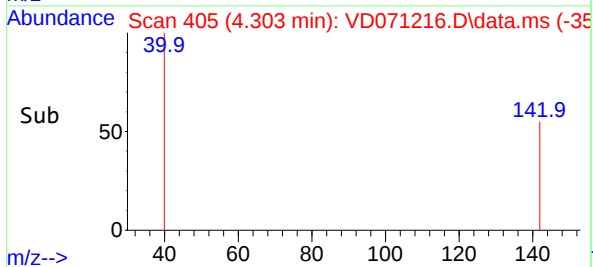
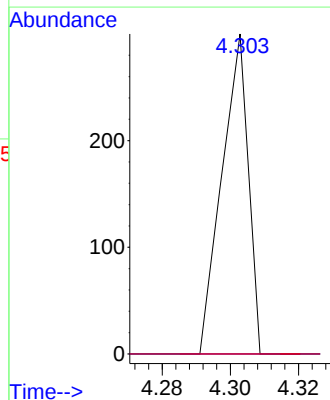
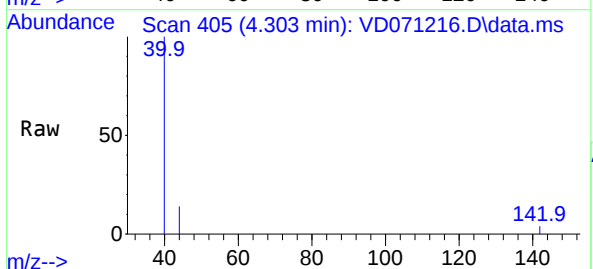


Tgt Ion:168 Resp: 328418
Ion Ratio Lower Upper
168 100
99 61.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.599 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion:142 Resp: 161
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

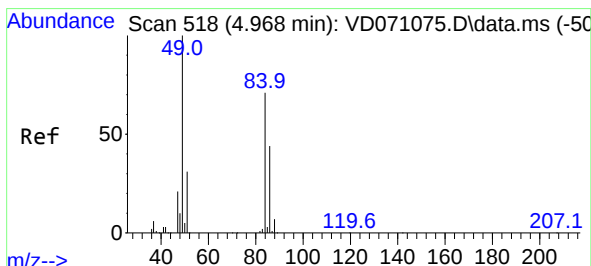
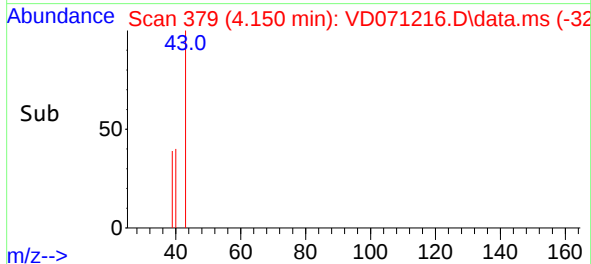
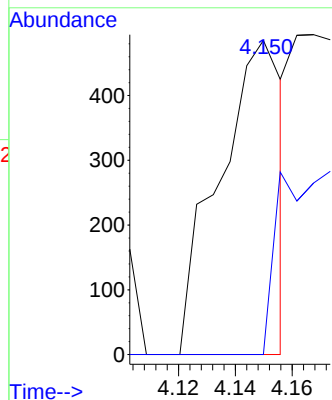
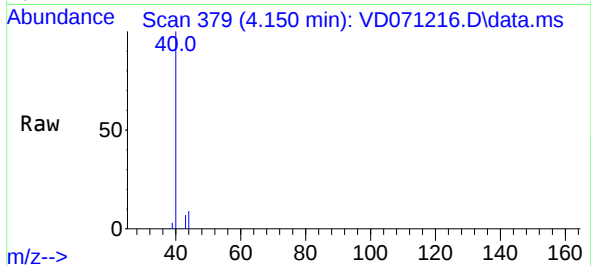




#16
Acetone
Concen: 31.441 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

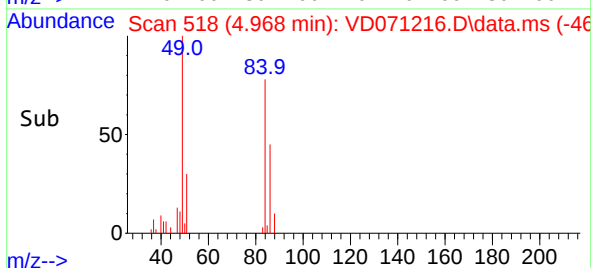
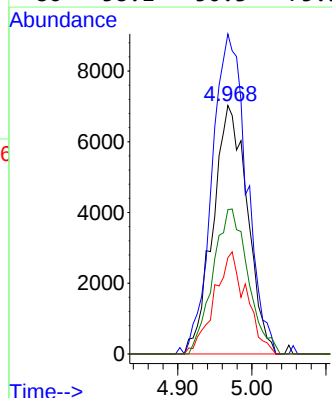
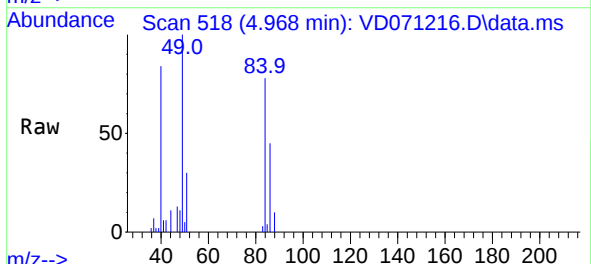
Instrument :
MSVOA_D
ClientSampleId :

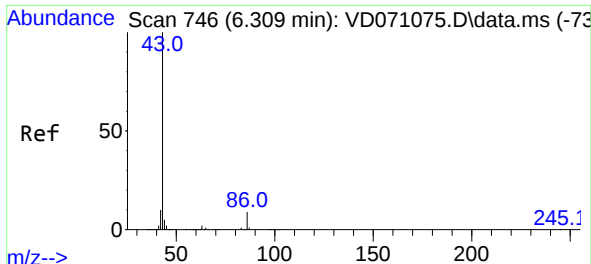
Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 1.788 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion: 84 Resp: 22614
Ion Ratio Lower Upper
84 100
49 128.8 95.8 143.6
51 38.8 30.9 46.3
86 58.1 50.3 75.5

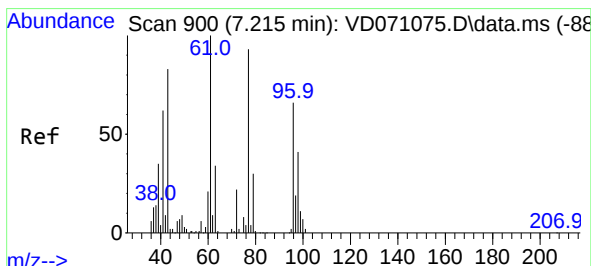
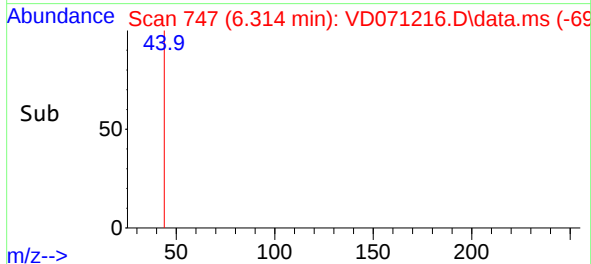
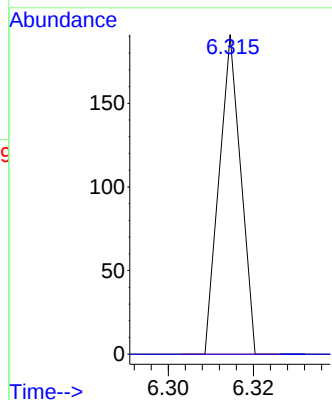
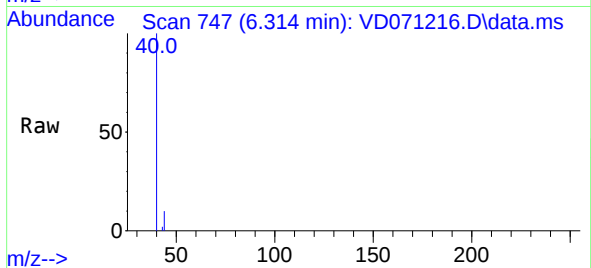




#23
 Vinyl Acetate
 Concen: 27.228 ug/l
 RT: 6.314 min Scan# 746
 Delta R.T. 0.005 min
 Lab File: VD071216.D
 Acq: 08 Dec 2021 20:08

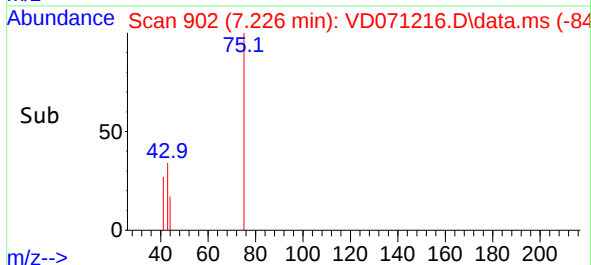
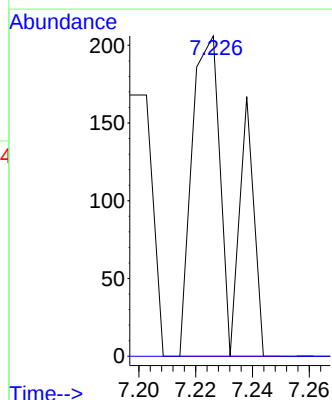
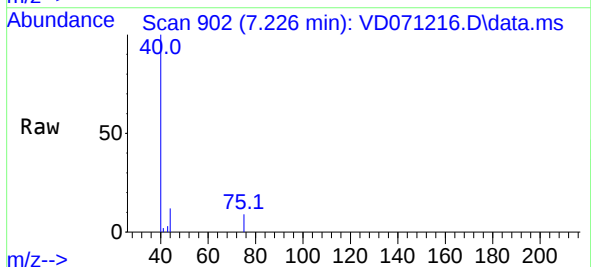
Instrument :
 MSVOA_D
 ClientSampleId :

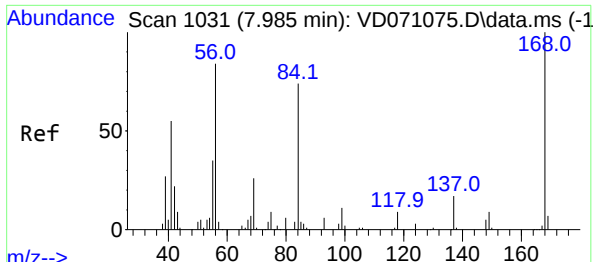
Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.507 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071216.D
 Acq: 08 Dec 2021 20:08

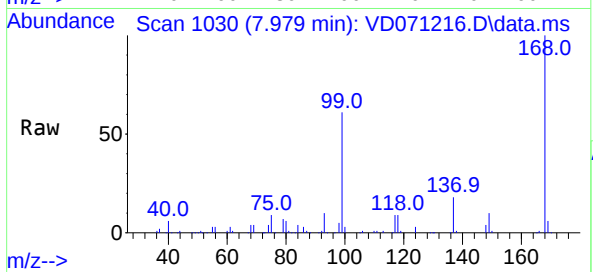
Tgt Ion: 43 Resp: 197
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



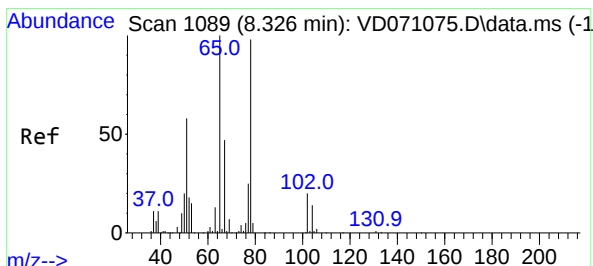
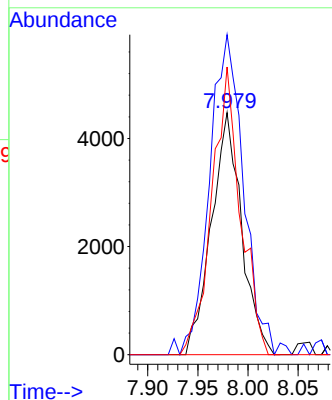
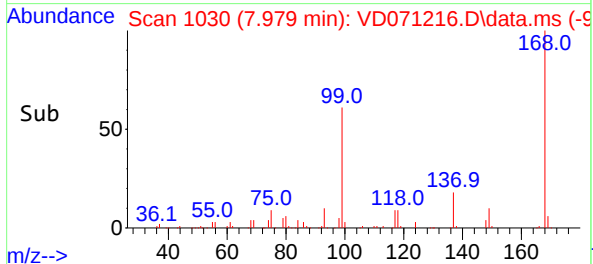


#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

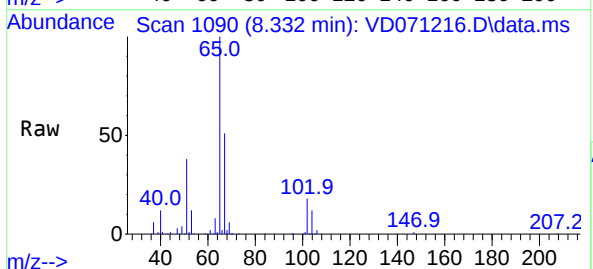
Instrument :
MSVOA_D
ClientSampleId :



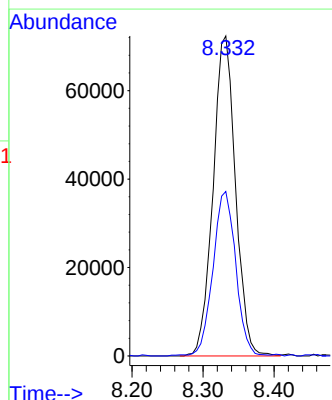
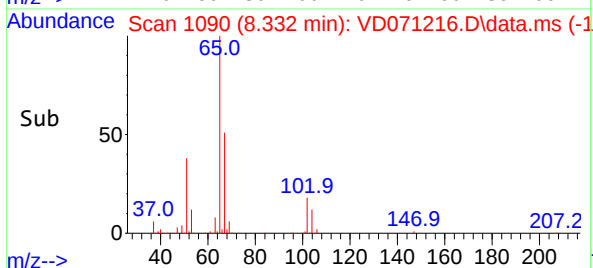
Tgt Ion: 56 Resp: 9382
Ion Ratio Lower Upper
56 100
69 132.2 25.9 38.9#
84 118.8 64.3 96.5#

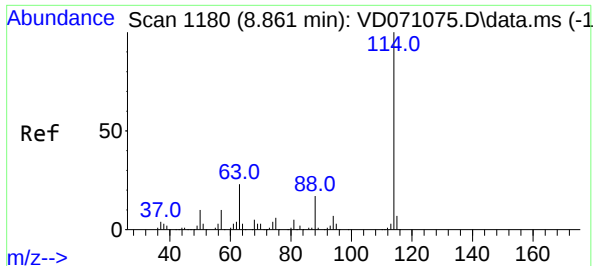


#33
1,2-Dichloroethane-d4
Concen: 41.179 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08



Tgt Ion: 65 Resp: 158688
Ion Ratio Lower Upper
65 100
67 52.2 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: VD071216.D

Acq: 08 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :

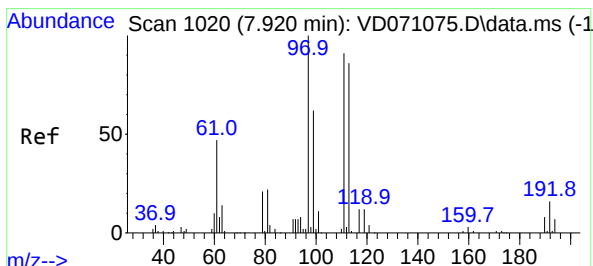
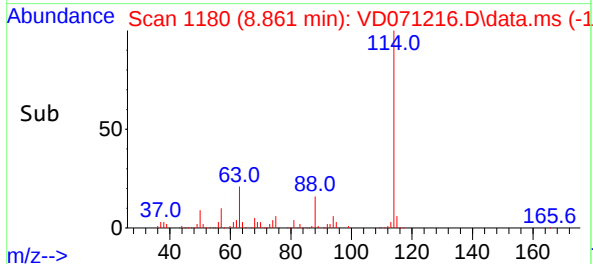
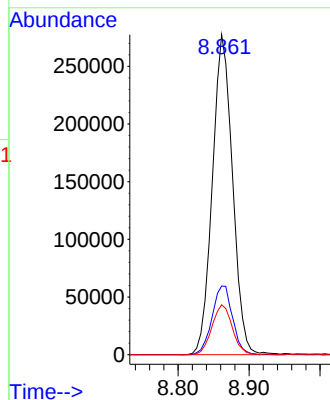
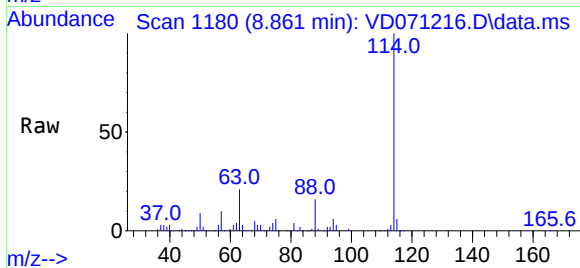
Tgt Ion:114 Resp: 546759

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 46.472 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071216.D

Acq: 08 Dec 2021 20:08

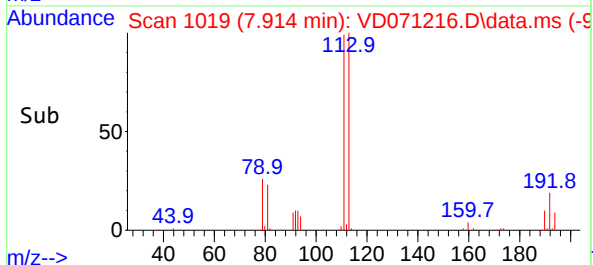
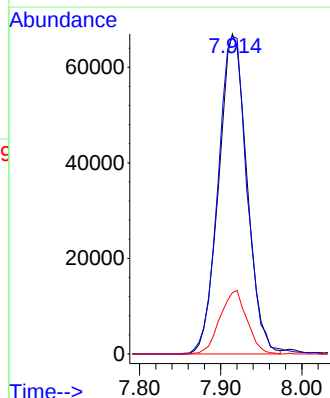
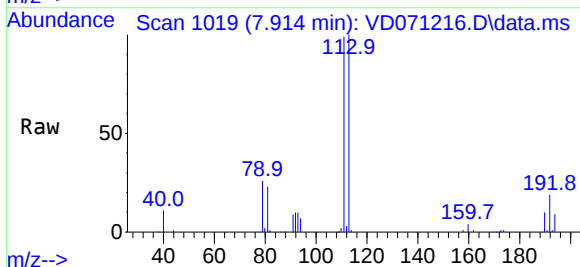
Tgt Ion:113 Resp: 161801

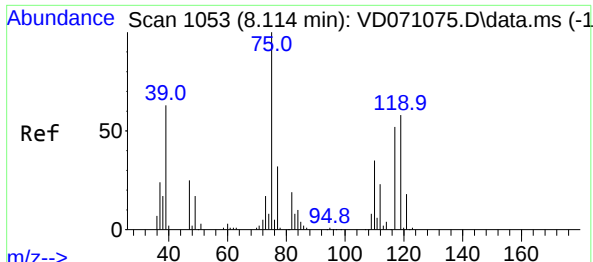
Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.740 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

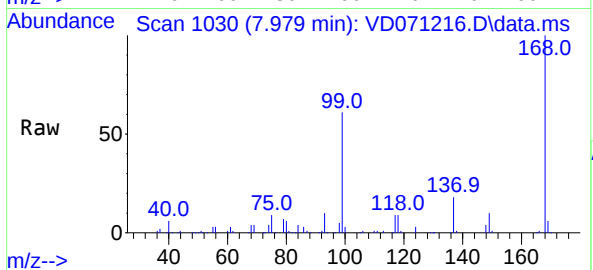
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Acq: 08 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :



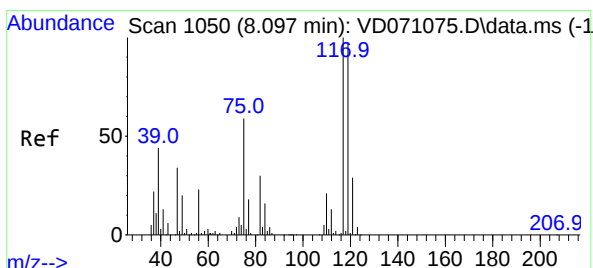
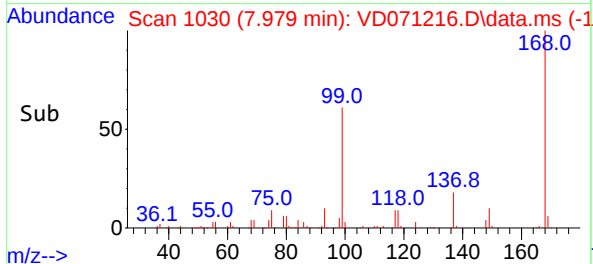
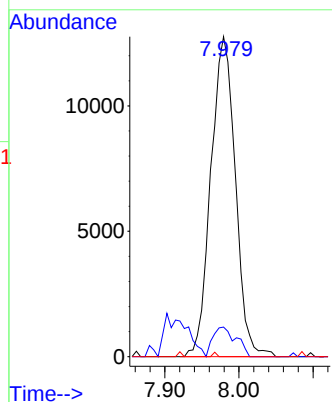
Tgt Ion: 75 Resp: 29331

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.4#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.786 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

Lab File: VD071216.D

Acq: 08 Dec 2021 20:08

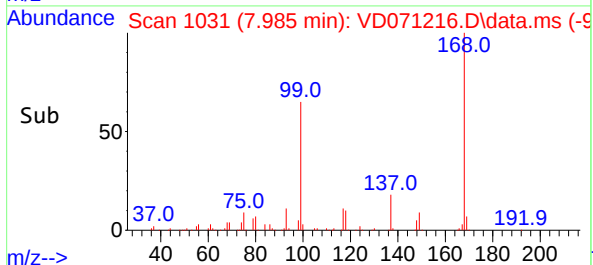
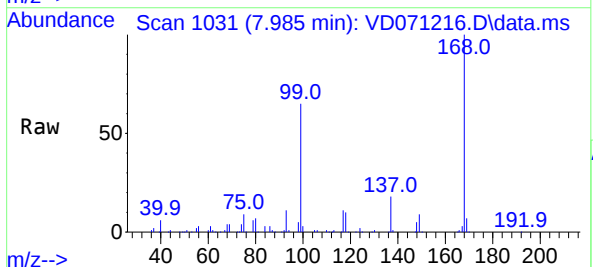
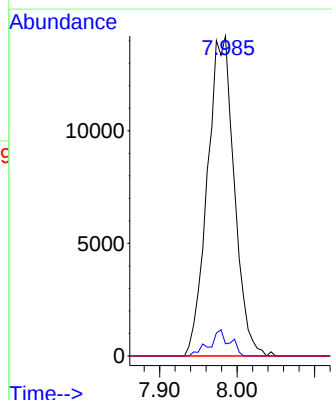
Tgt Ion: 117 Resp: 34181

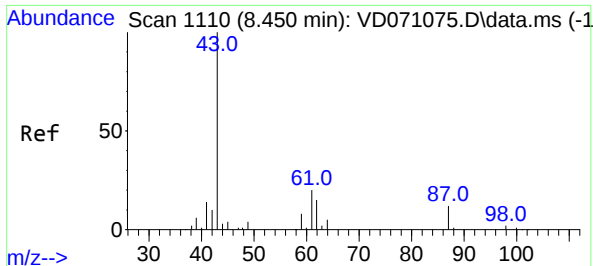
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

121 0.0 23.6 35.4#

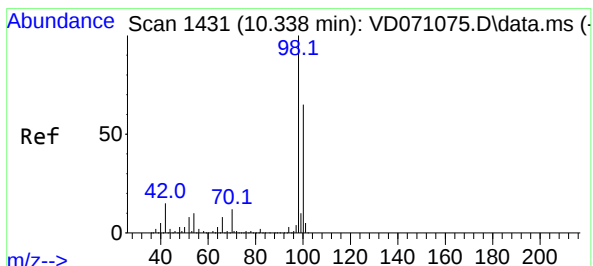
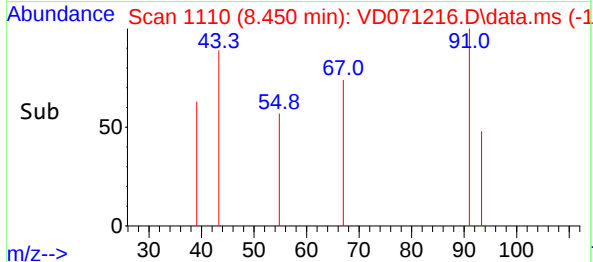
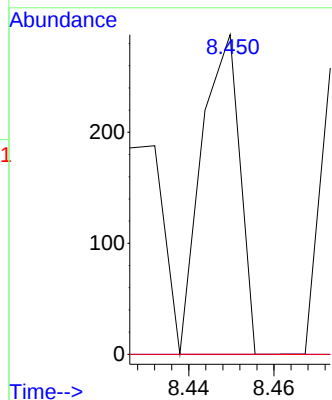
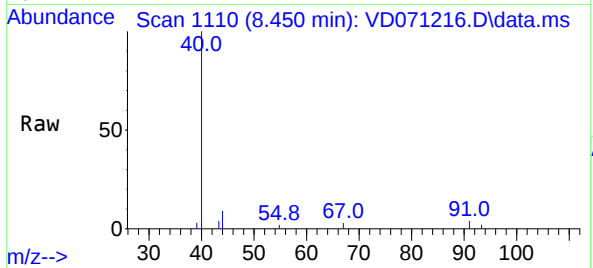




#43
Isopropyl Acetate
Concen: 5.256 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

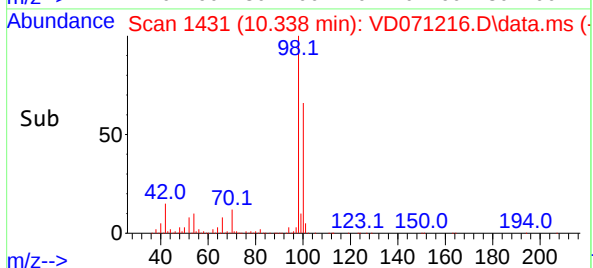
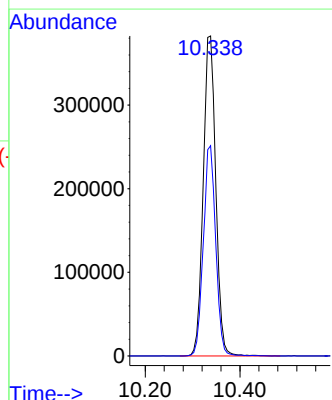
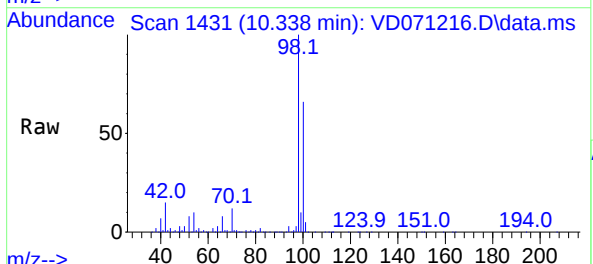
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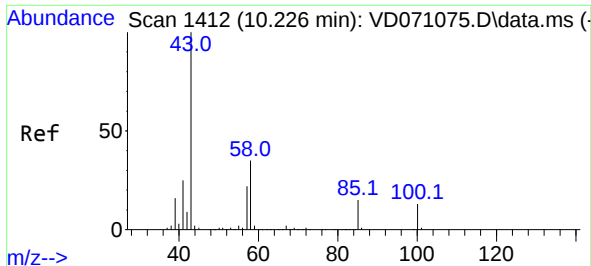
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 53.091 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion: 98 Resp: 703443
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6

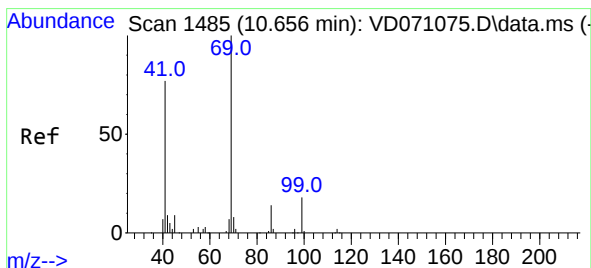
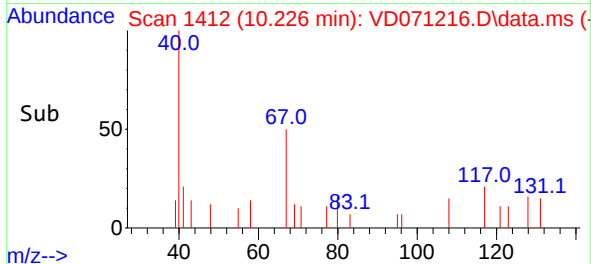
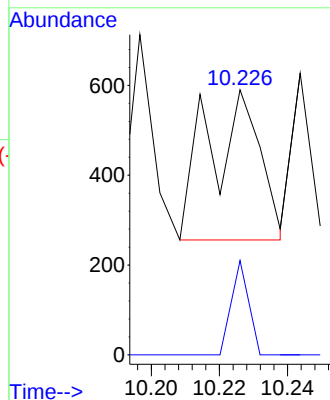
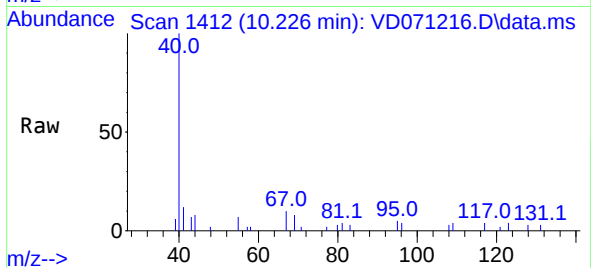




#51
4-Methyl-2-Pentanone
Concen: 30.775 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

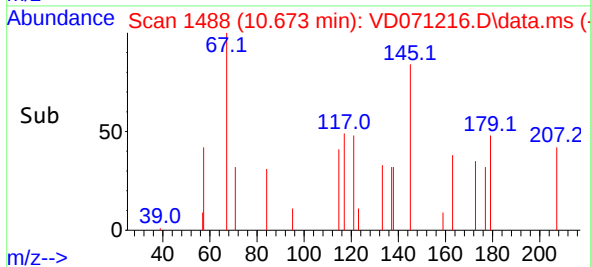
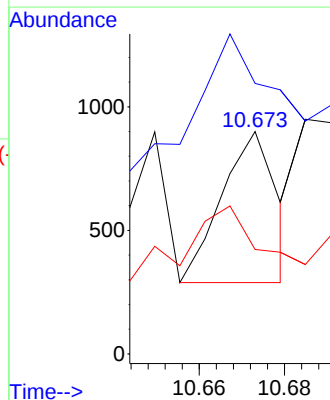
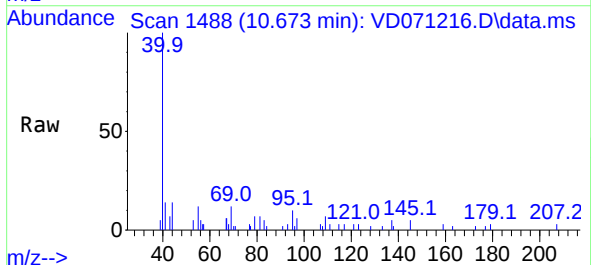
Instrument :
MSVOA_D
ClientSampleId :

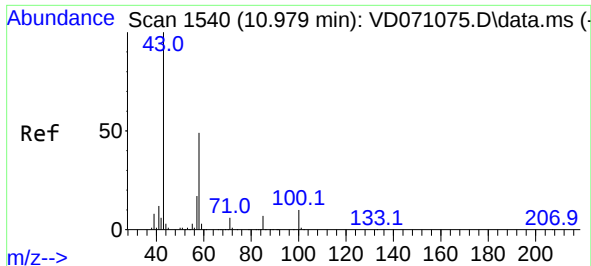
Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.105 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion: 69 Resp: 548
Ion Ratio Lower Upper
69 100
41 117.9 50.2 75.2#
39 205.3 19.8 29.8#

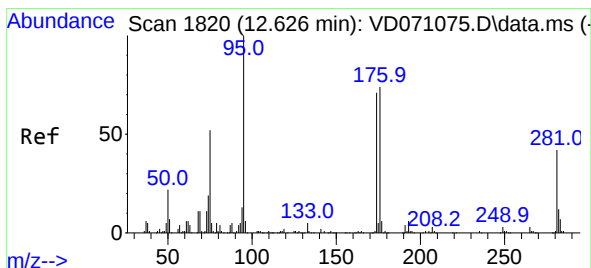
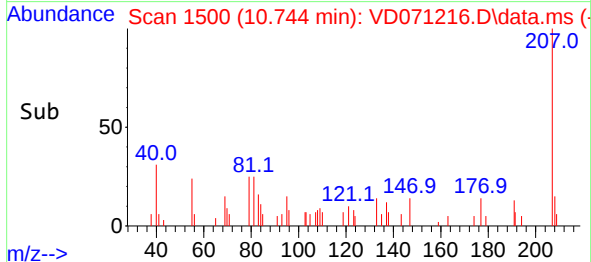
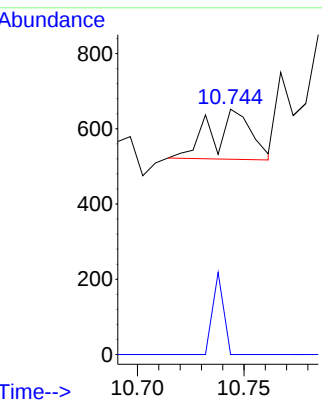
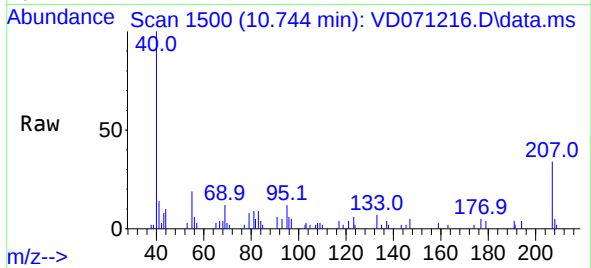




#59
2-Hexanone
Concen: 34.652 ug/l
RT: 10.744 min Scan# 11
Delta R.T. -0.235 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

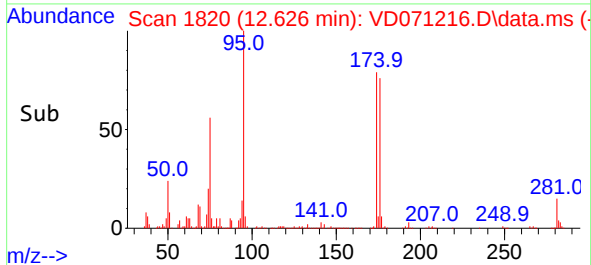
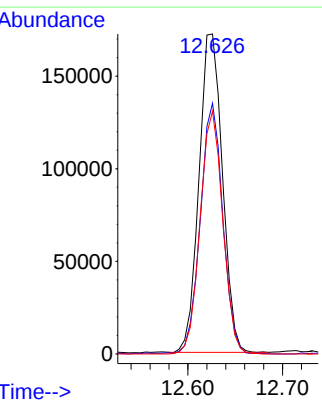
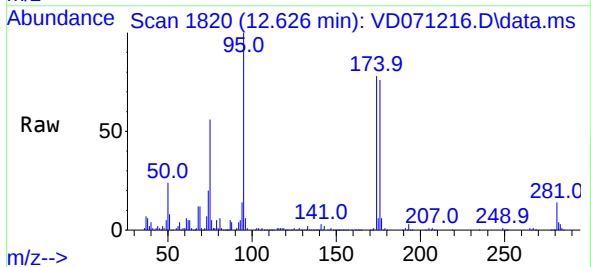
Instrument :
MSVOA_D
ClientSampleId :

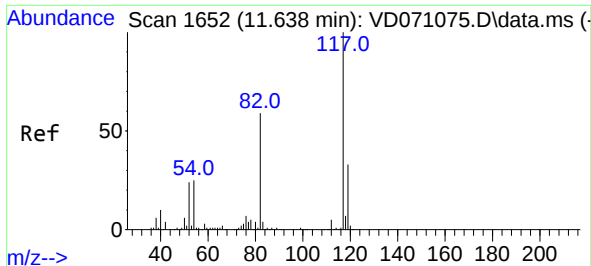
Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
58 45.6 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 64.358 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

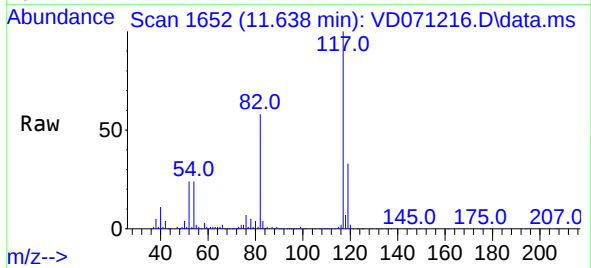
Tgt Ion: 95 Resp: 295586
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 73.3 0.0 154.0



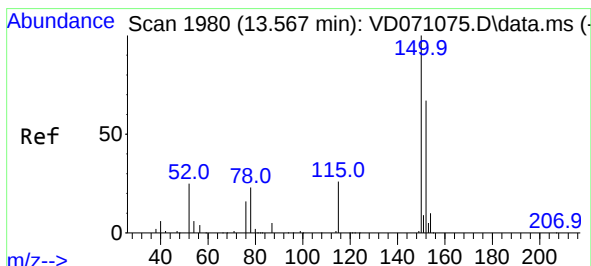
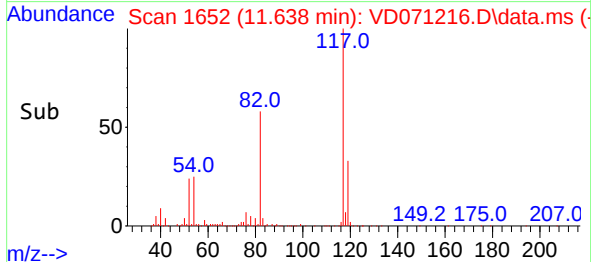
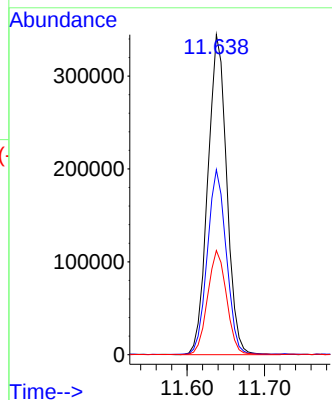


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

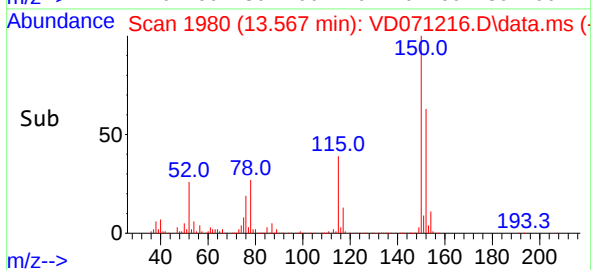
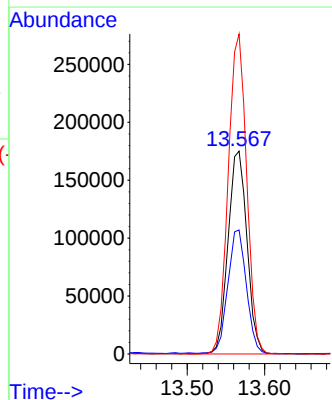
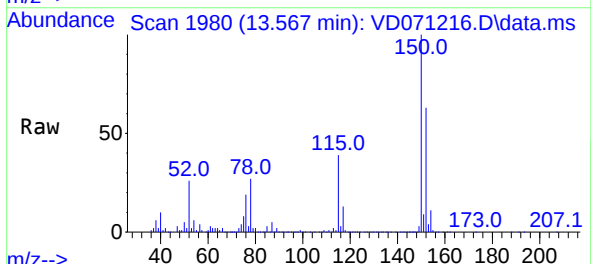


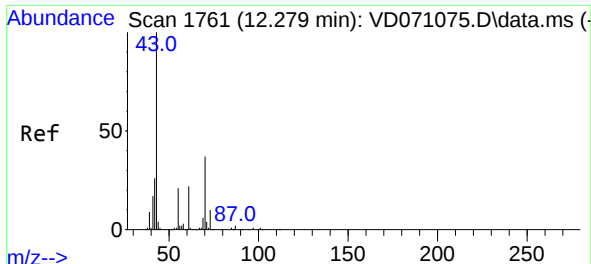
Tgt Ion:117 Resp: 586124
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

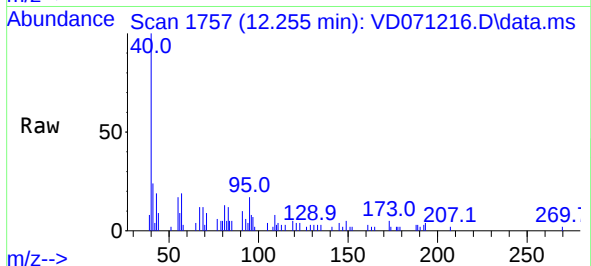
Tgt Ion:152 Resp: 297773
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.3
150 153.3 0.0 349.2



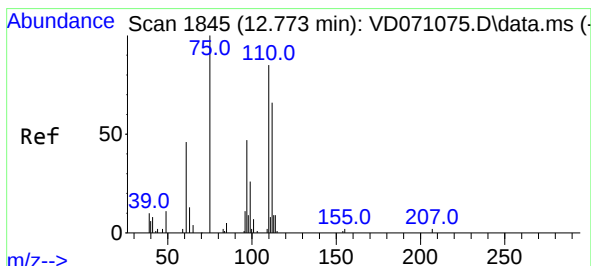
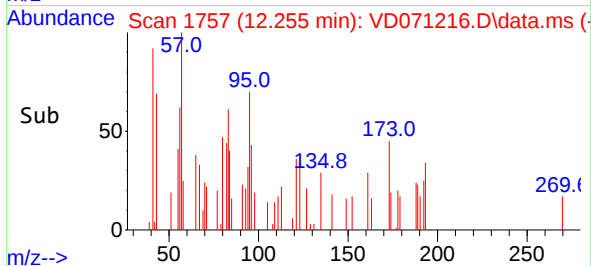
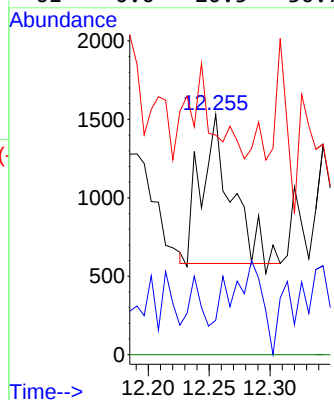


#74
N-amy1 acetate
Concen: 5.947 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

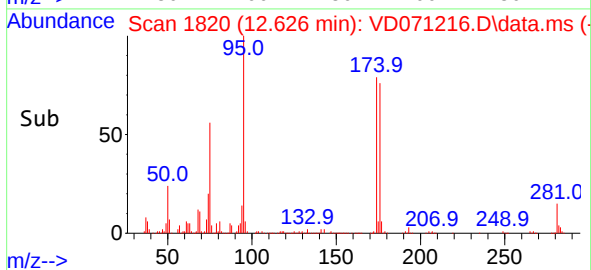
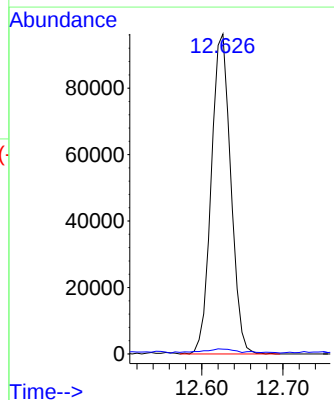
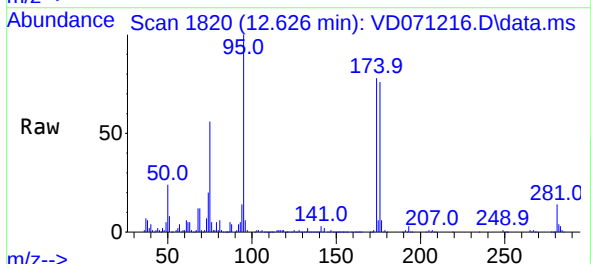


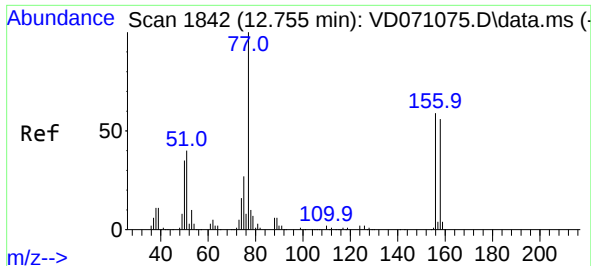
Tgt Ion:	43	Resp:	1640
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 56.588 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion:	75	Resp:	160542
Ion	Ratio	Lower	Upper
75	100		
77	2.2	158.4	475.3#

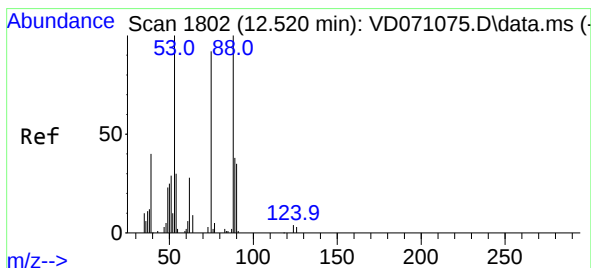
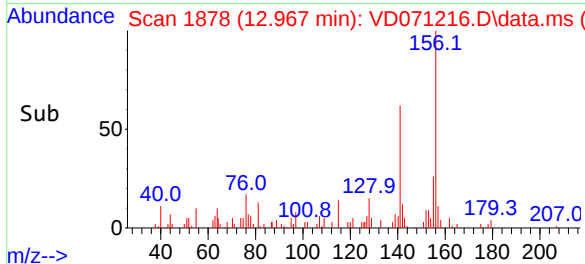
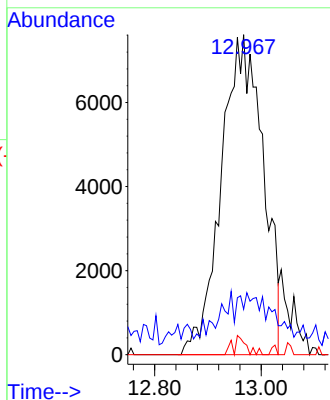
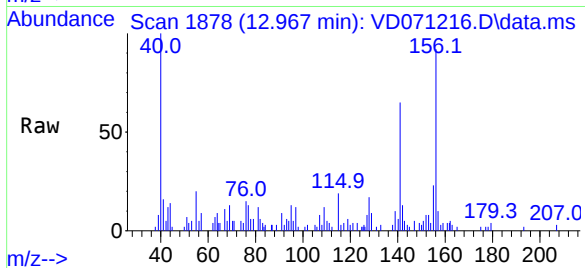




#77
Bromobenzene
Concen: 8.825 ug/l
RT: 12.967 min Scan# 1878
Delta R.T. 0.212 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:156 Resp: 41214
Ion Ratio Lower Upper
156 100
77 1.3 96.6 289.8#
158 1.2 49.1 147.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.845 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071216.D
Acq: 08 Dec 2021 20:08

Tgt Ion: 75 Resp: 160542
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#

