

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071002.D
 Acq On : 11 Nov 2021 20:15
 Operator : VA/SY
 Sample : M4582-06
 Misc : 4.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:05:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

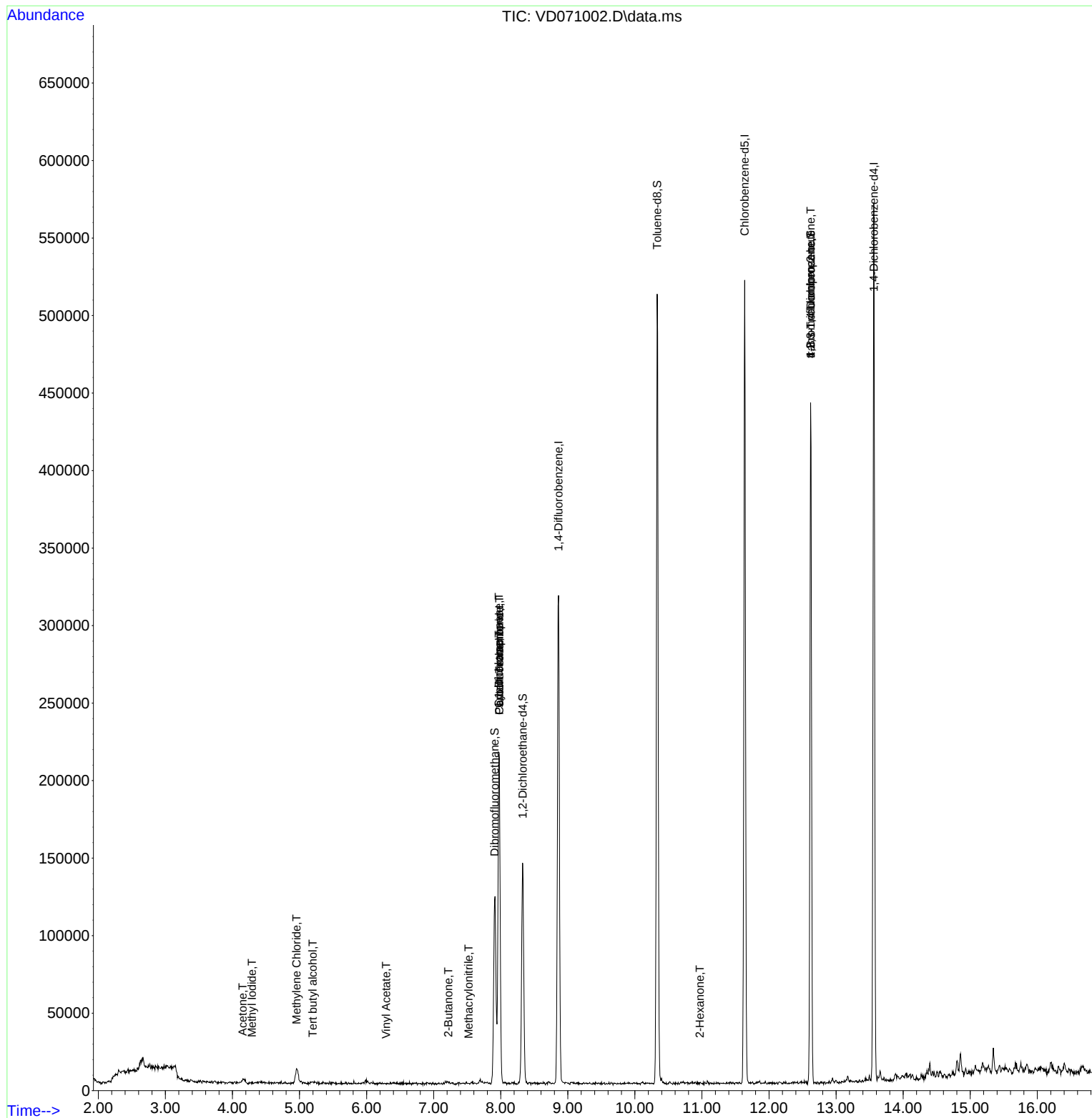
Internal Standards						
1) Pentafluorobenzene	7.979	168	154600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	266155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	273676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	136025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	111067	67.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.960%	
35) Dibromofluoromethane	7.908	113	86430	57.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.100%	
50) Toluene-d8	10.332	98	338027	57.471	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.940%	
62) 4-Bromofluorobenzene	12.620	95	142012	67.058	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	79	6.061	ug/l #	40
11) Tert butyl alcohol	5.197	59	299	2.486	ug/l #	71
13) Acrolein	4.109	56	59	Below Cal	#	13
16) Acetone	4.150	43	5237	30.644	ug/l	97
20) Methylene Chloride	4.956	84	6598	3.128	ug/l	92
23) Vinyl Acetate	6.291	43	81	21.005	ug/l #	72
25) 2-Butanone	7.220	43	89	20.510	ug/l #	45
31) Cyclohexane	7.973	56	3898	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	12729	5.357	ug/l #	50
38) Carbon Tetrachloride	7.979	117	15825	7.231	ug/l #	16
41) Methacrylonitrile	7.520	41	61	3.577	ug/l #	12
59) 2-Hexanone	10.967	43	130	16.075	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	75355	64.853	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	75355	119.901	ug/l #	18

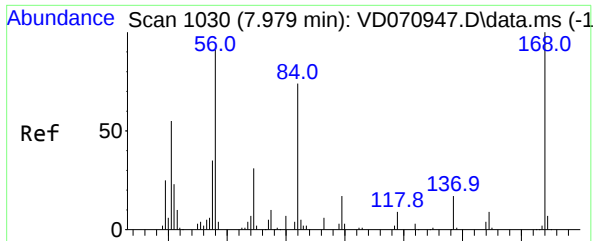
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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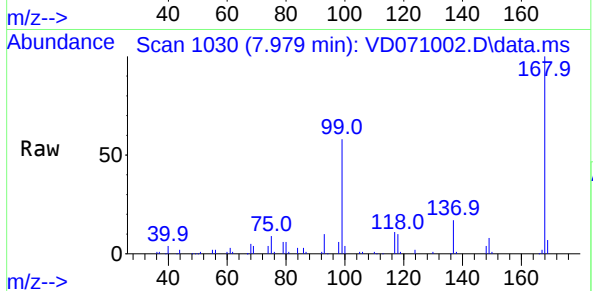
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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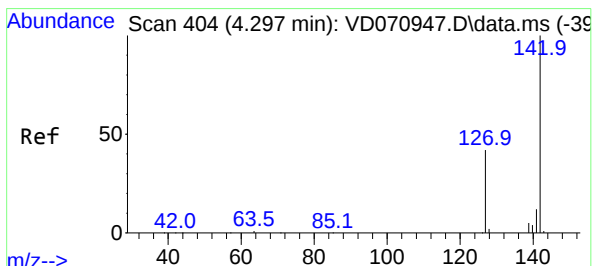
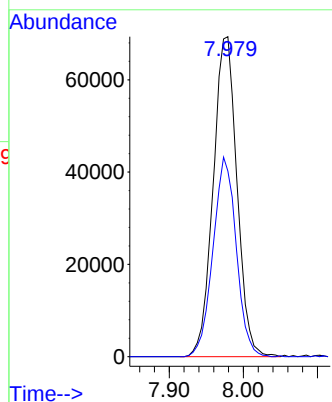
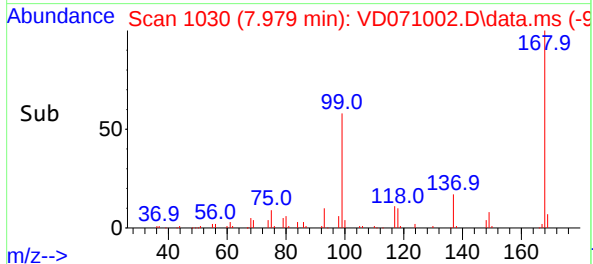


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :

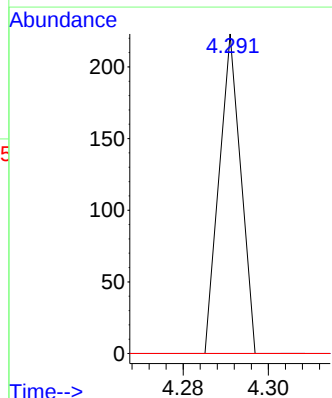
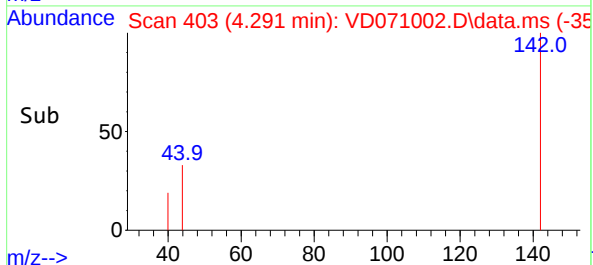
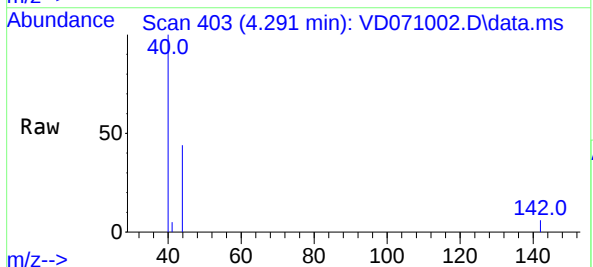


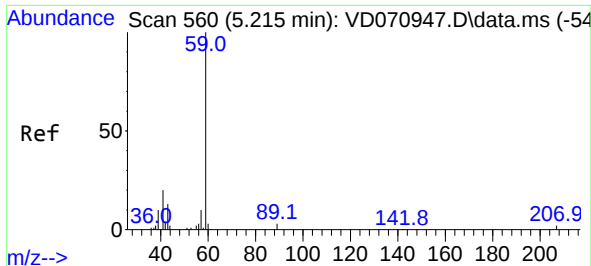
Tgt Ion:168 Resp: 154600
Ion Ratio Lower Upper
168 100
99 58.0 46.6 69.8



#10
Methyl Iodide
Concen: 6.061 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Tgt Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#11

Tert butyl alcohol

Concen: 2.486 ug/l

RT: 5.197 min Scan# 51

Delta R.T. -0.018 min

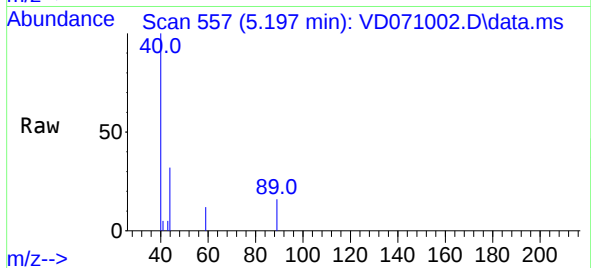
Lab File: VD071002.D

Acq: 11 Nov 2021 20:15

Instrument :

MSVOA_D

ClientSampleId :

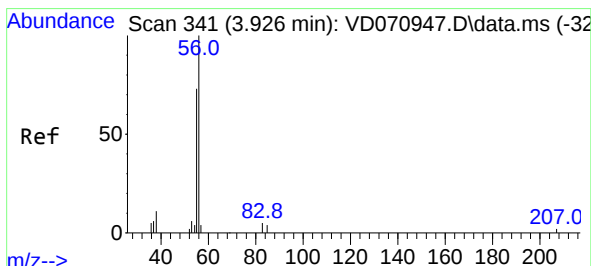
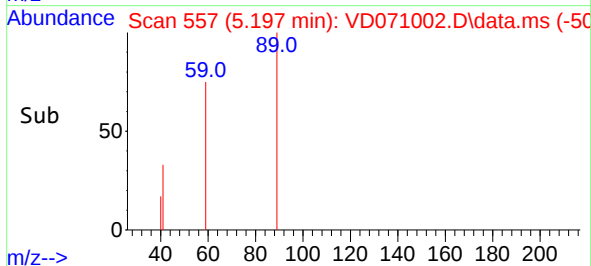
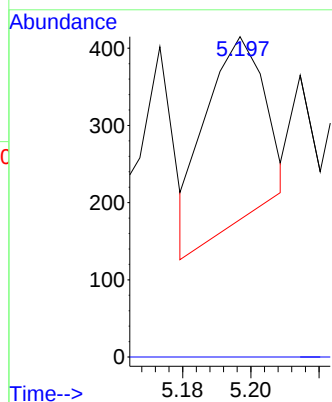


Tgt Ion: 59 Resp: 299

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#13

Acrolein

Concen: Below Cal

RT: 4.109 min Scan# 372

Delta R.T. 0.183 min

Lab File: VD071002.D

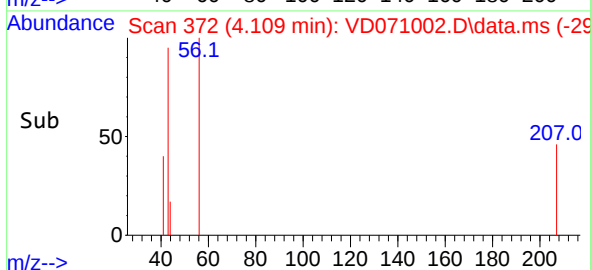
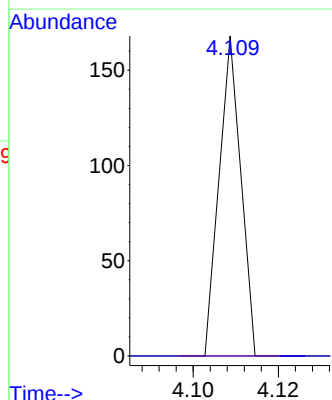
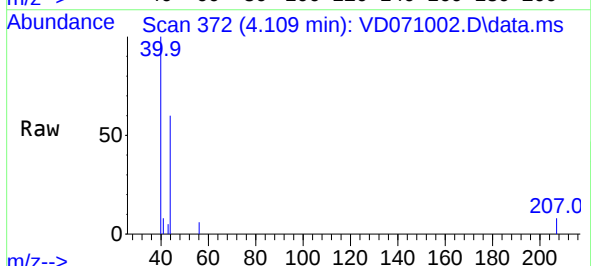
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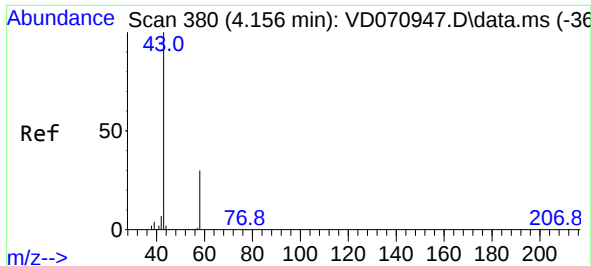
Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#

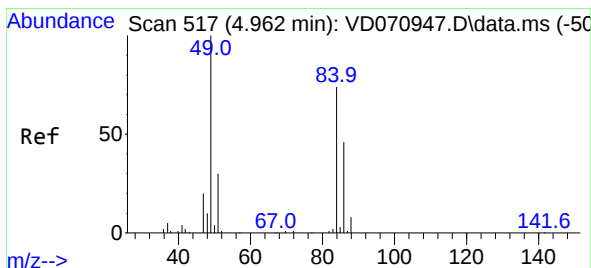
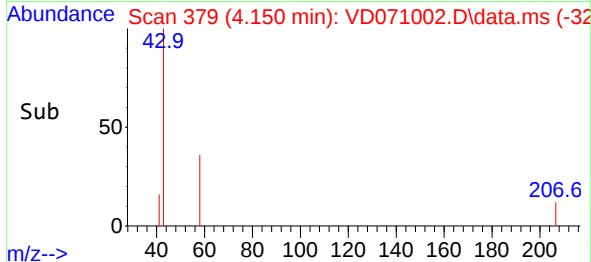
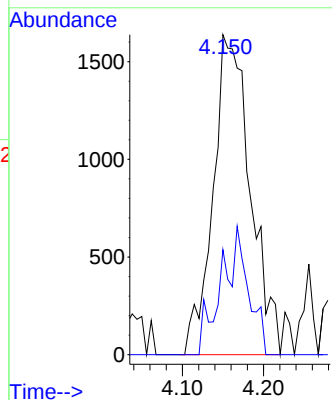
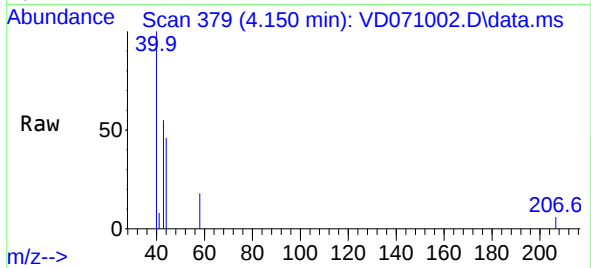




#16
Acetone
Concen: 30.644 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

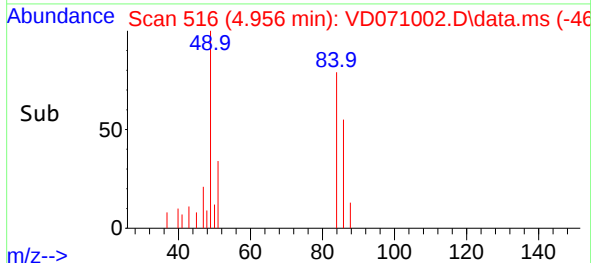
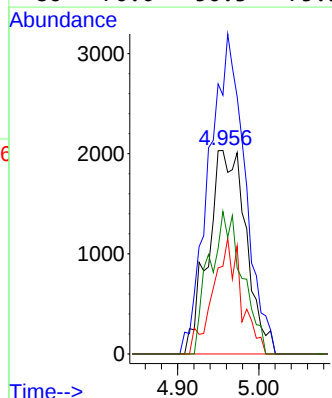
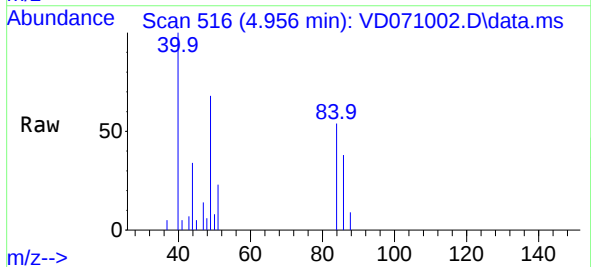
Instrument :
MSVOA_D
ClientSampleId :

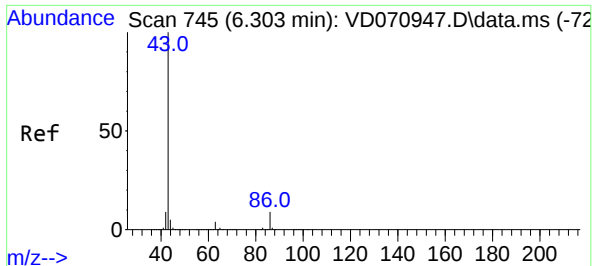
Tgt Ion: 43 Resp: 5237
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8



#20
Methylene Chloride
Concen: 3.128 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Tgt Ion: 84 Resp: 6598
Ion Ratio Lower Upper
84 100
49 127.1 95.8 143.6
51 43.1 30.9 46.3
86 70.0 50.3 75.5

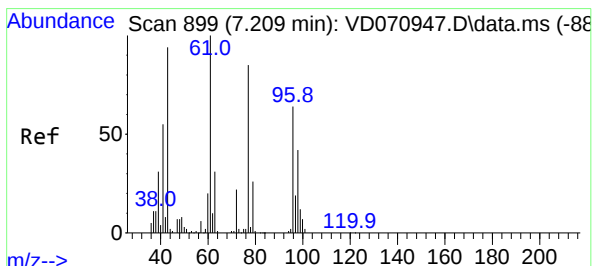
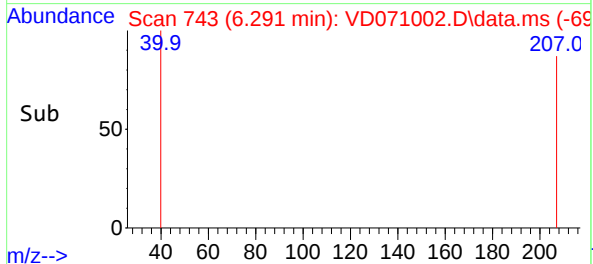
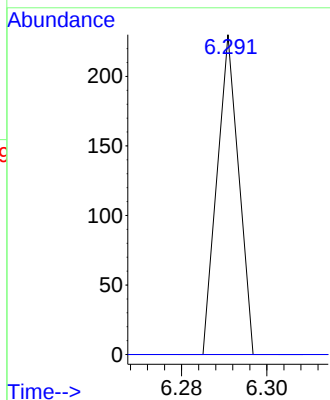
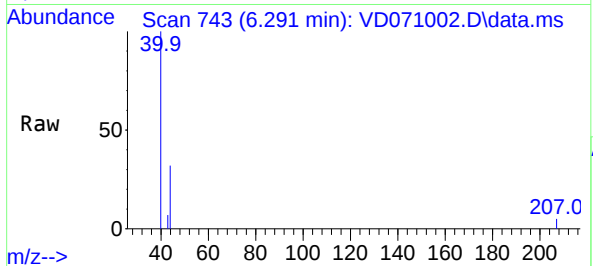




#23
 Vinyl Acetate
 Concen: 21.005 ug/l
 RT: 6.291 min Scan# 74
 Delta R.T. -0.012 min
 Lab File: VD071002.D
 Acq: 11 Nov 2021 20:15

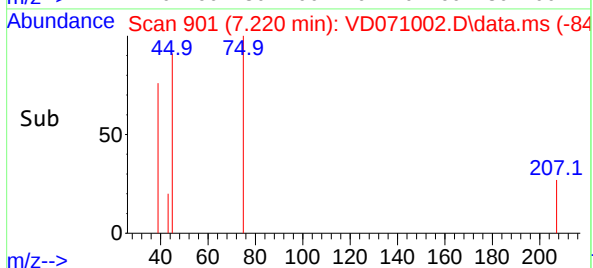
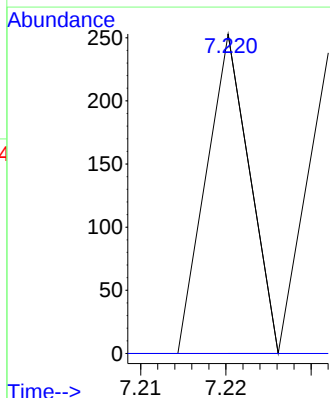
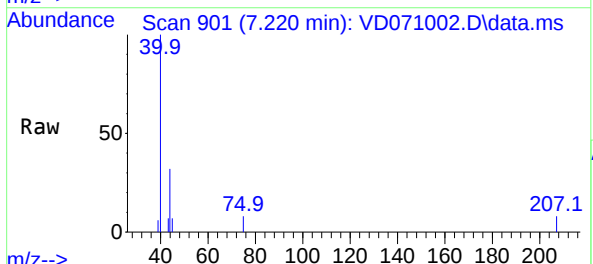
Instrument :
 MSVOA_D
 ClientSampleId :

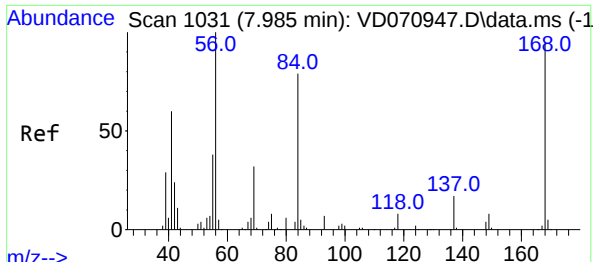
Tgt Ion: 43 Resp: 81
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.510 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.011 min
 Lab File: VD071002.D
 Acq: 11 Nov 2021 20:15

Tgt Ion: 43 Resp: 89
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

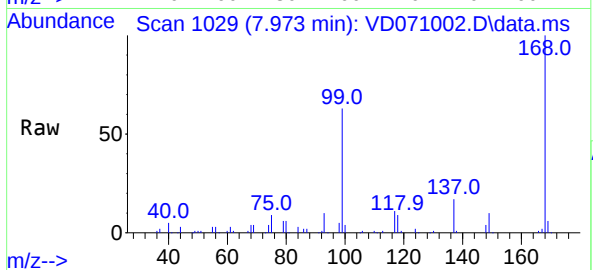
Lab File: VD071002.D

Acq: 11 Nov 2021 20:15

Instrument :

MSVOA_D

ClientSampleId :



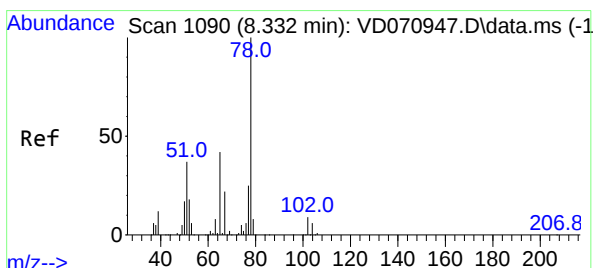
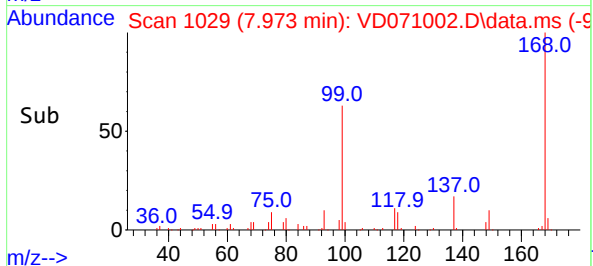
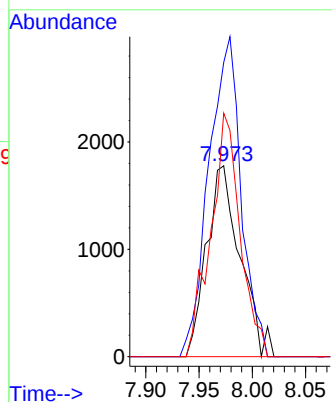
Tgt Ion: 56 Resp: 3898

Ion Ratio Lower Upper

56 100

69 154.1 25.9 38.9#

84 127.5 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 67.475 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071002.D

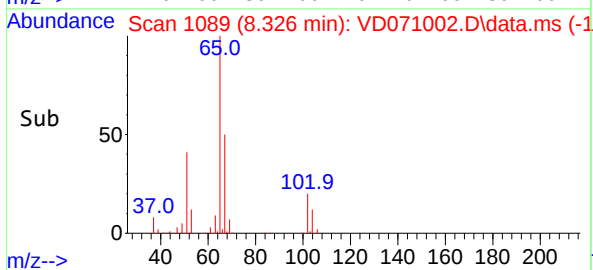
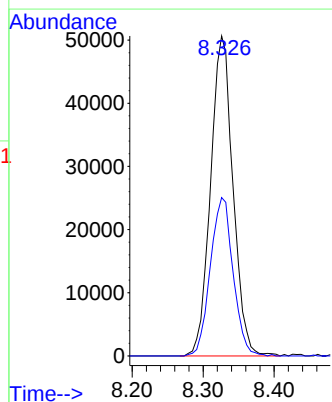
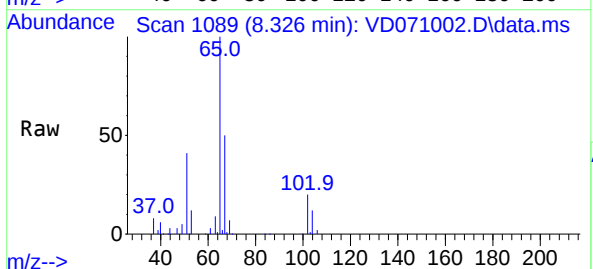
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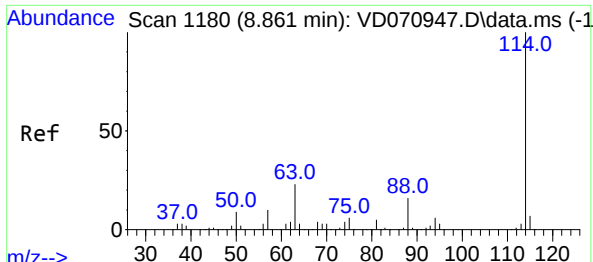
Tgt Ion: 65 Resp: 111067

Ion Ratio Lower Upper

65 100

67 50.3 0.0 112.2

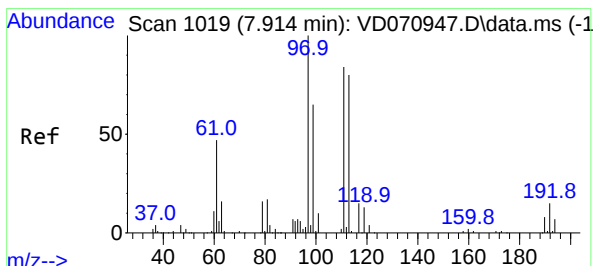
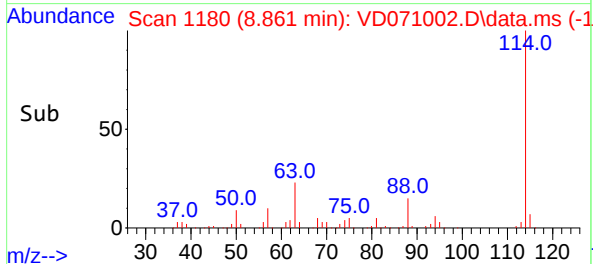
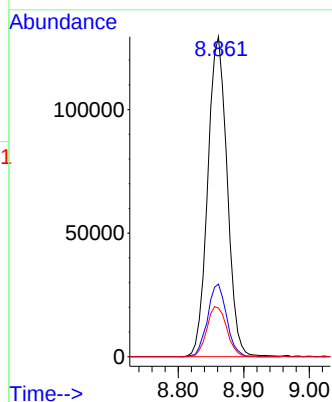
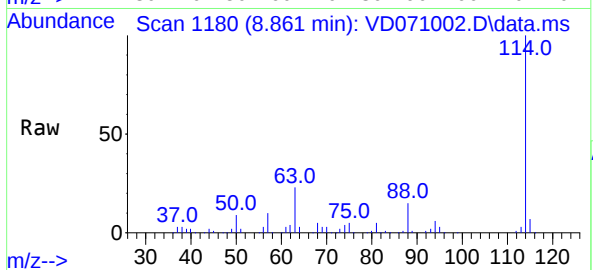




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

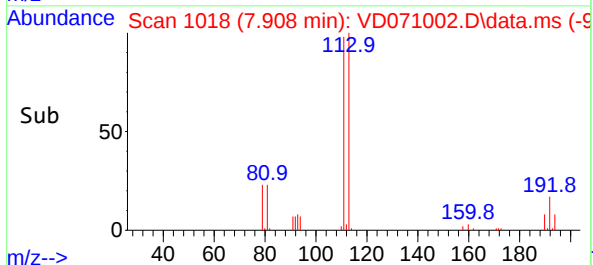
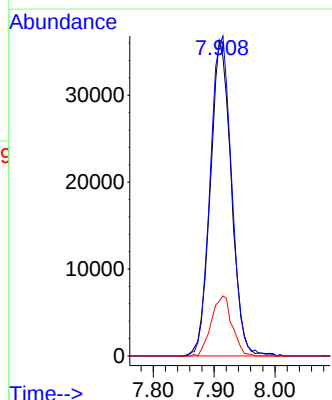
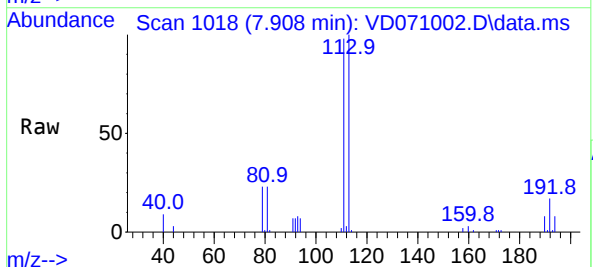
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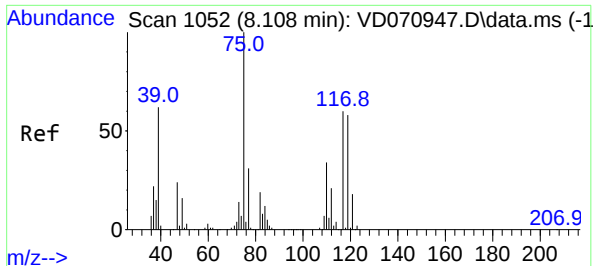
Tgt Ion:114 Resp: 266155
Ion Ratio Lower Upper
114 100
63 22.7 0.0 41.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 57.549 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Tgt Ion:113 Resp: 86430
Ion Ratio Lower Upper
113 100
111 103.9 82.0 123.0
192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.357 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

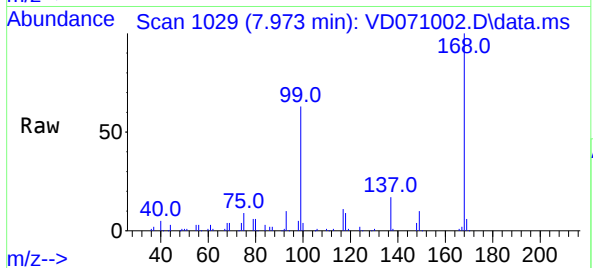
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Acq: 11 Nov 2021 20:15

Instrument :

MSVOA_D

ClientSampleId :



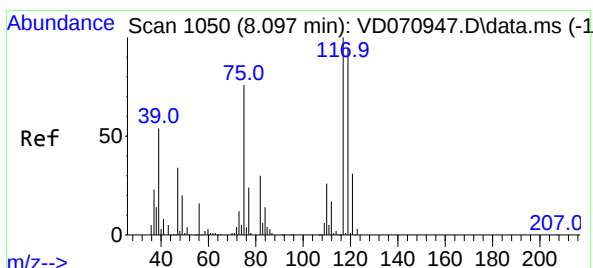
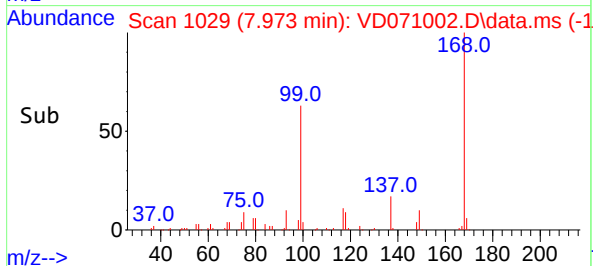
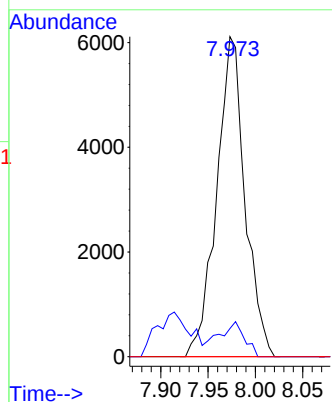
Tgt Ion: 75 Resp: 12729

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.231 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071002.D

Acq: 11 Nov 2021 20:15

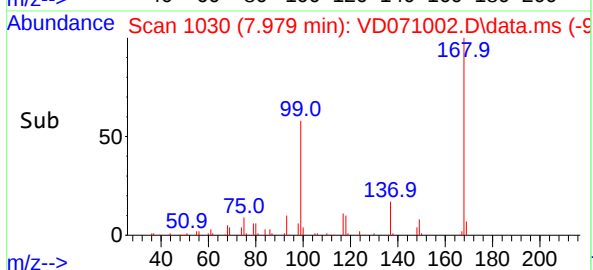
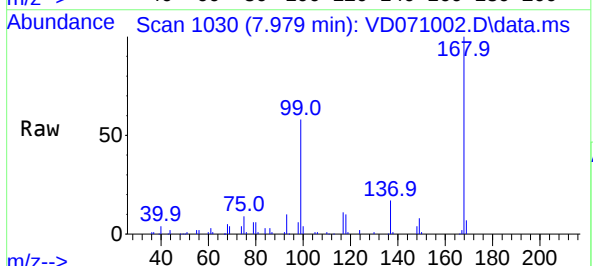
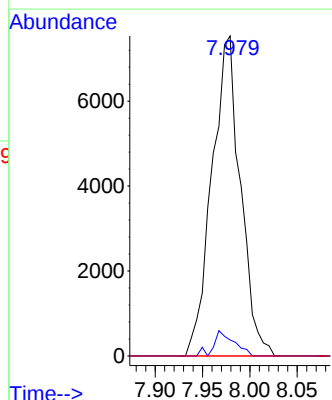
Tgt Ion: 117 Resp: 15825

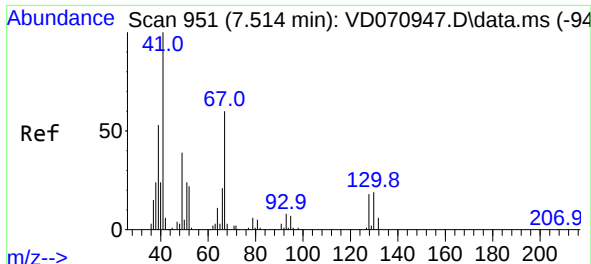
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

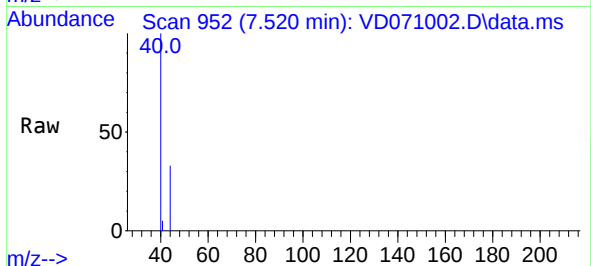
121 0.0 23.6 35.4#





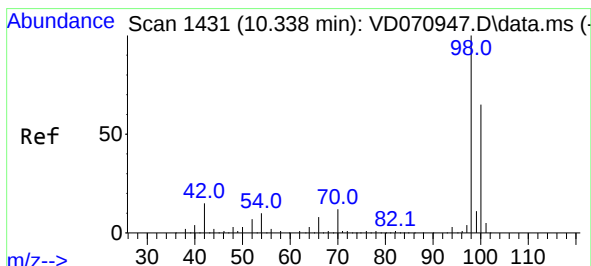
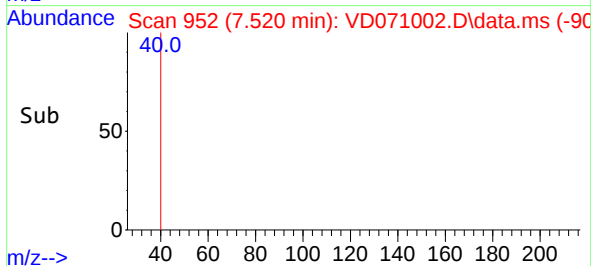
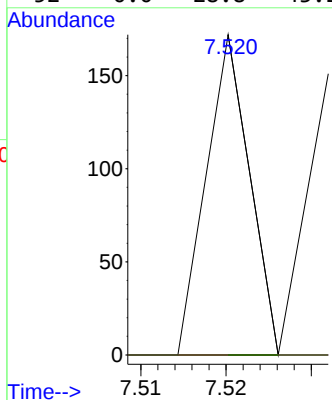
#41
Methacrylonitrile
Concen: 3.577 ug/l
RT: 7.520 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 41 Resp: 61

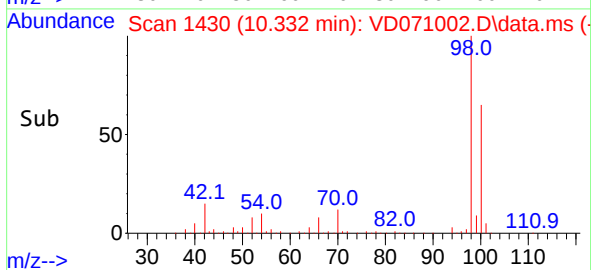
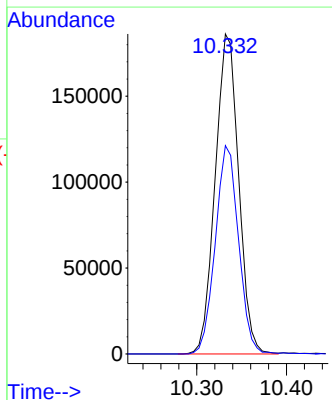
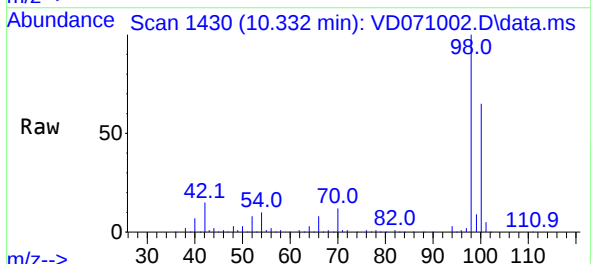
Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#

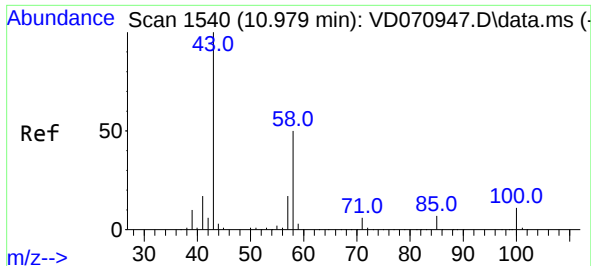


#50
Toluene-d8
Concen: 57.471 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Tgt Ion: 98 Resp: 338027

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6

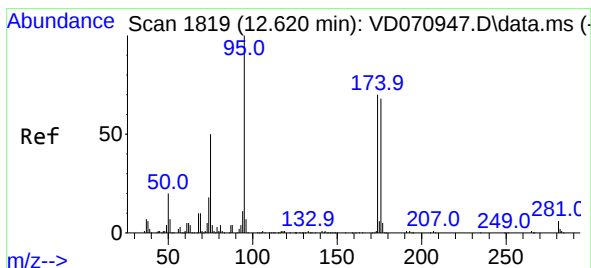
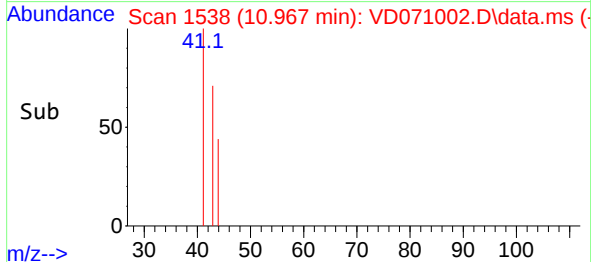
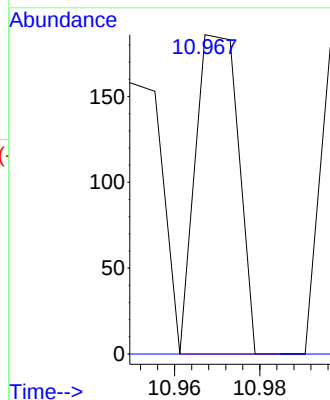
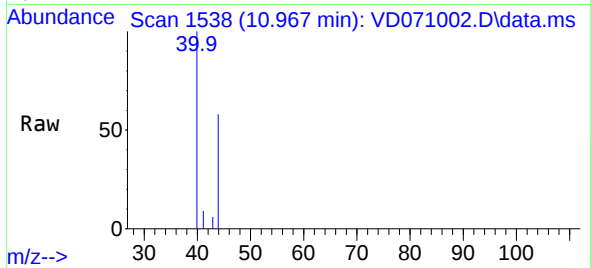




#59
2-Hexanone
Concen: 16.075 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

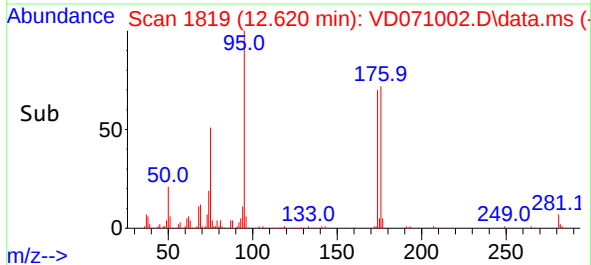
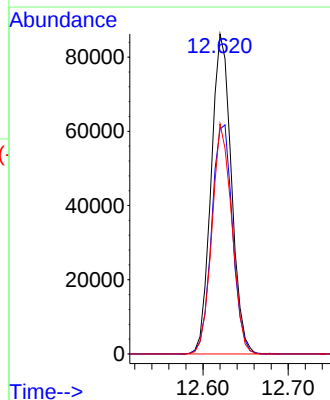
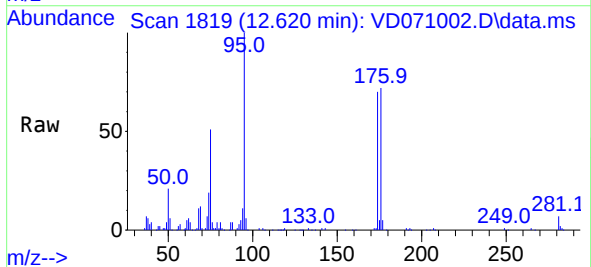
Instrument :
MSVOA_D
ClientSampleId :

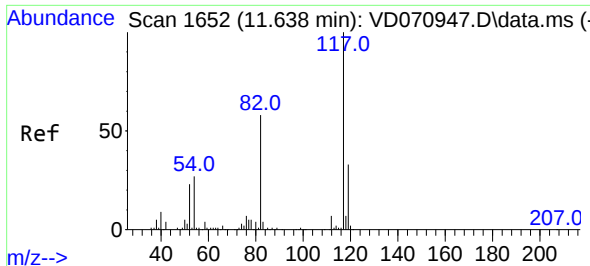
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 67.058 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

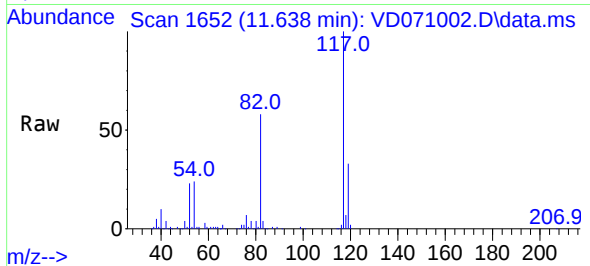
Tgt Ion: 95 Resp: 142012
Ion Ratio Lower Upper
95 100
174 73.7 0.0 159.4
176 70.7 0.0 154.0



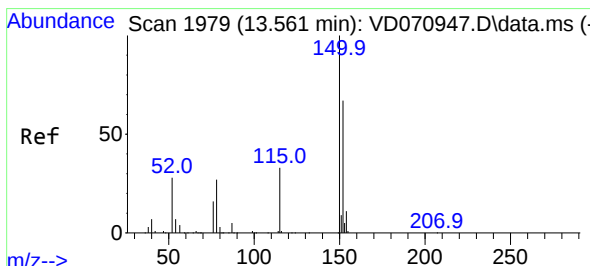
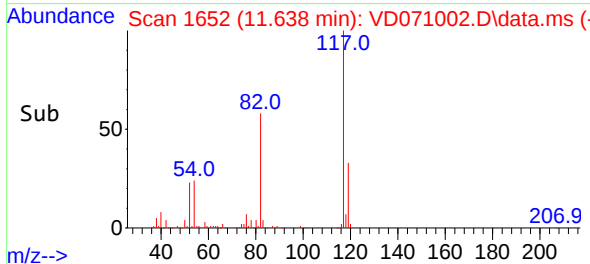
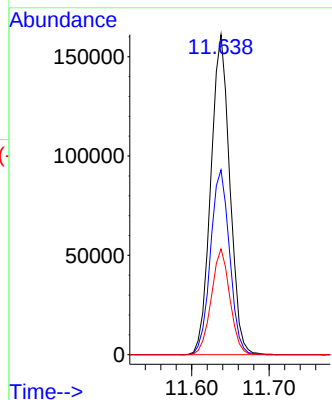


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :

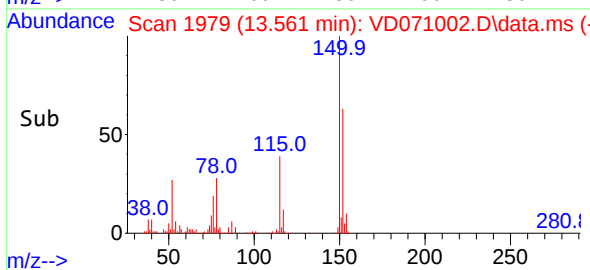
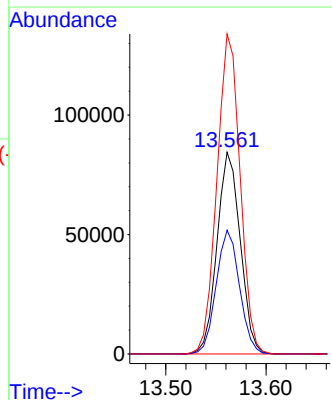
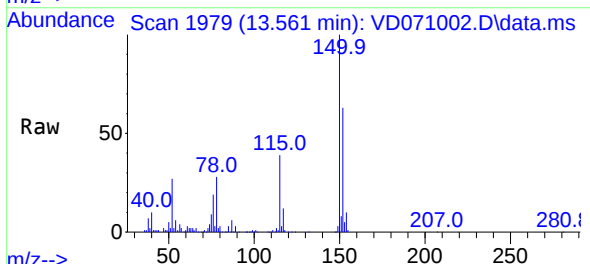


Tgt Ion:117 Resp: 273676
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 33.1 26.2 39.4

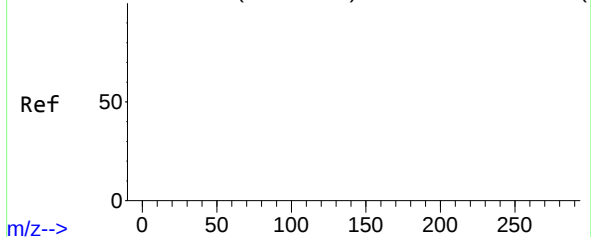


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

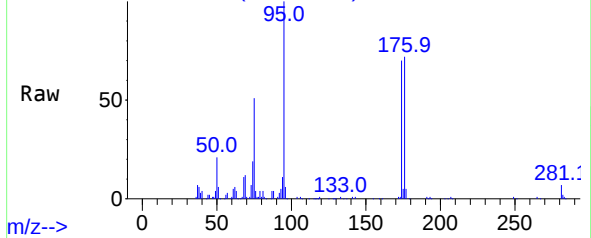
Tgt Ion:152 Resp: 136025
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 158.0 0.0 349.2



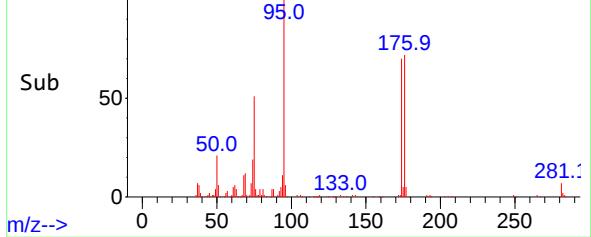
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



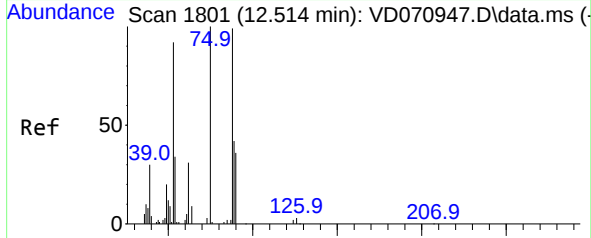
Ref 50



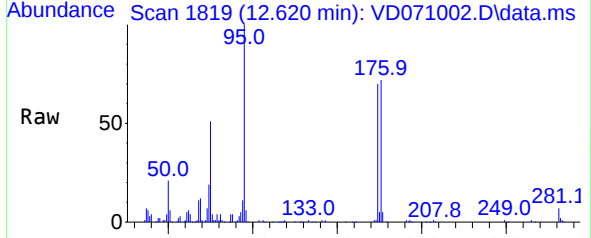
Raw 50



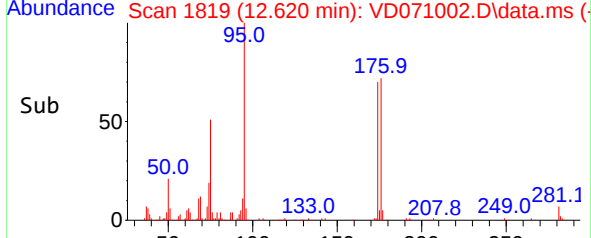
Sub 50



Ref 50



Raw 50

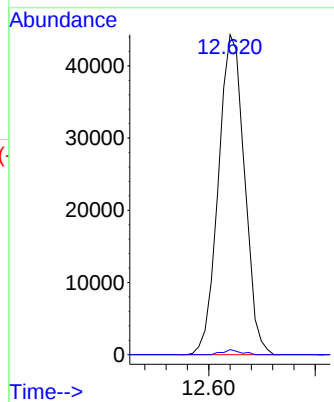


Sub 50

#76
1,2,3-Trichloropropane
Concen: 64.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 75355
Ion Ratio Lower Upper
75 100
77 1.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.901 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071002.D
Acq: 11 Nov 2021 20:15

Tgt Ion: 75 Resp: 75355
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

