

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071014.D
 Acq On : 12 Nov 2021 05:38
 Operator : VA/SY
 Sample : M4635-02
 Misc : 5.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:17:53 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)

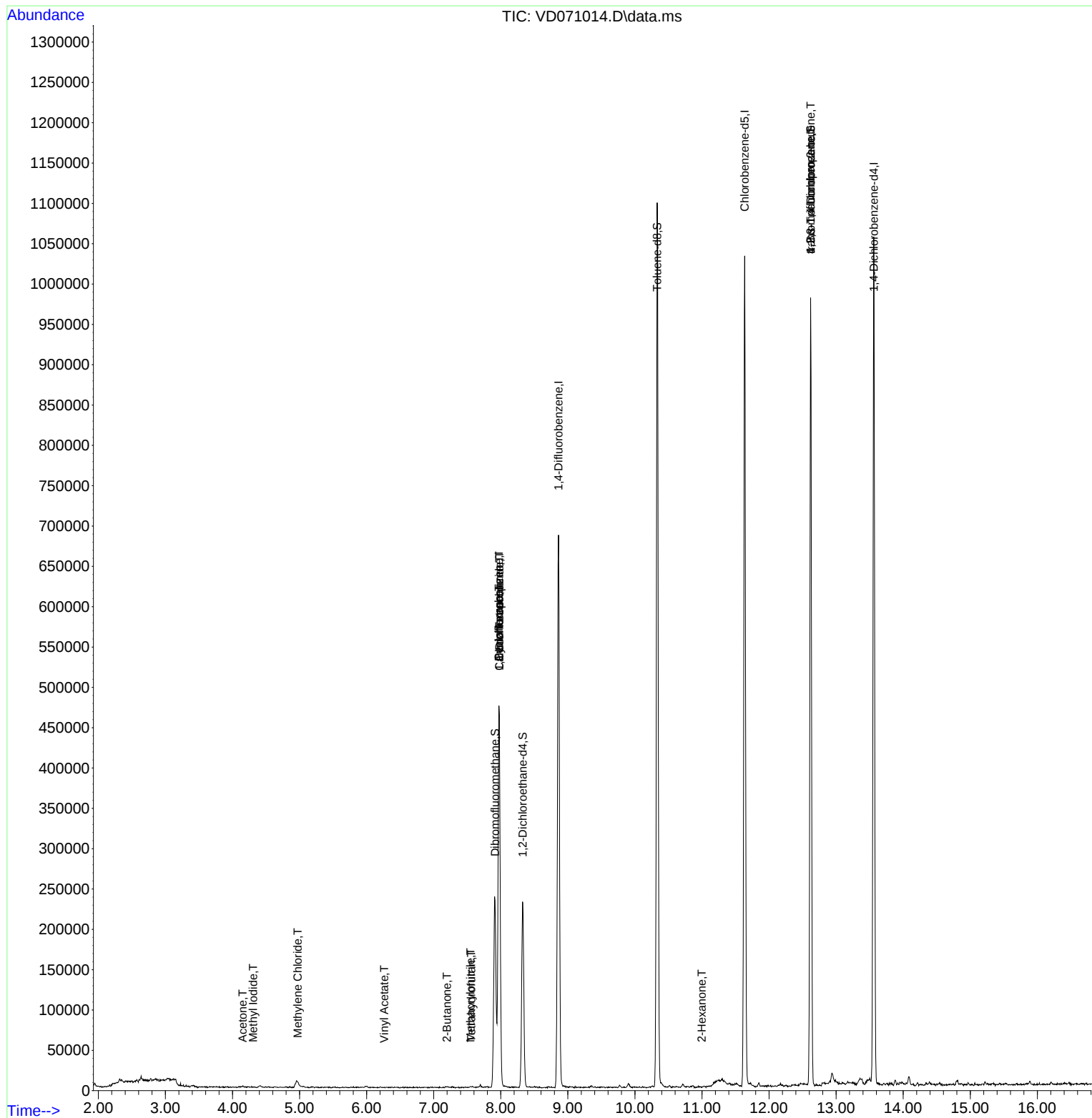
Internal Standards						
1) Pentafluorobenzene	7.973	168	336676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	566237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	555575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176360	49.199	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.400%
35) Dibromofluoromethane	7.914	113	168390	52.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.400%
50) Toluene-d8	10.332	98	709895	56.732	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.460%
62) 4-Bromofluorobenzene	12.620	95	269564	59.831	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.660%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	620	6.162	ug/l #	54
13) Acrolein	3.879	56	60	Below Cal	#	58
16) Acetone	4.150	43	365	20.143	ug/l #	40
20) Methylene Chloride	4.973	84	5842	1.018	ug/l #	91
23) Vinyl Acetate	6.261	43	59	20.990	ug/l #	72
25) 2-Butanone	7.197	43	214	20.524	ug/l #	45
29) Tetrahydrofuran	7.561	42	952	1.307	ug/l #	76
31) Cyclohexane	7.973	56	9715	1.318	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	28489	5.635	ug/l #	50
38) Carbon Tetrachloride	7.979	117	37526	8.060	ug/l #	15
41) Methacrylonitrile	7.550	41	532	3.797	ug/l #	19
59) 2-Hexanone	10.996	43	120	15.995	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	148125	66.926	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	148125	123.625	ug/l #	18

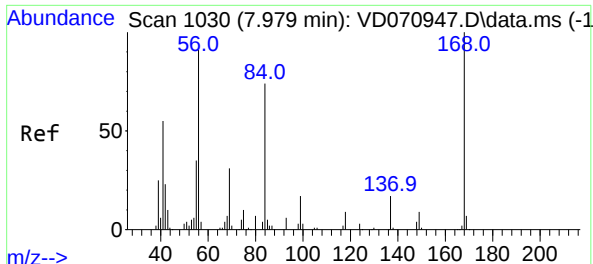
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 08:17:53 2021
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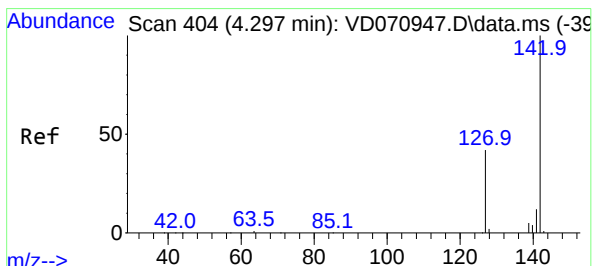
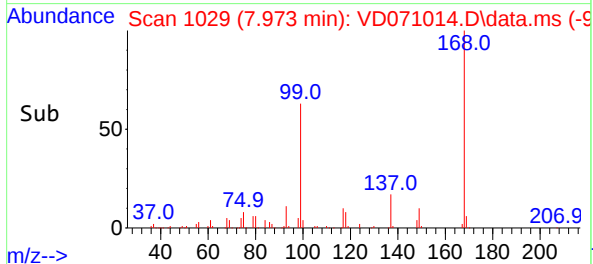
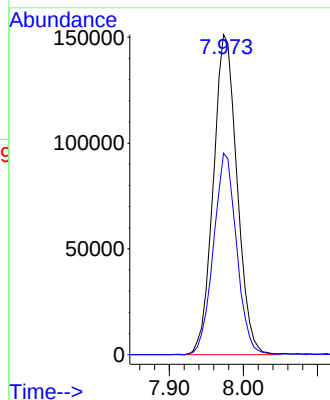
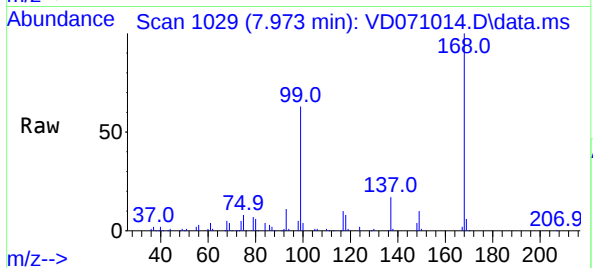




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

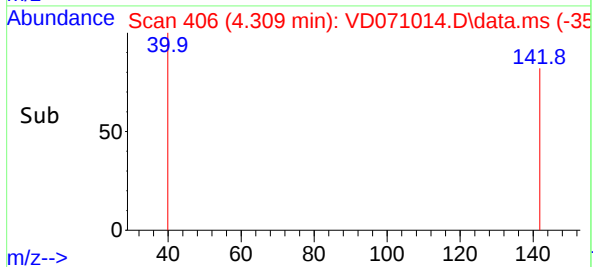
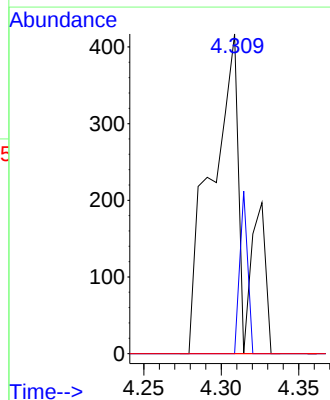
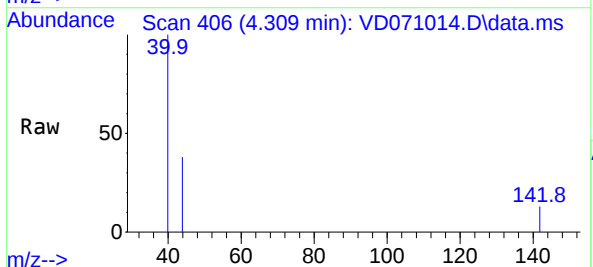
Instrument :
MSVOA_D
ClientSampleId :

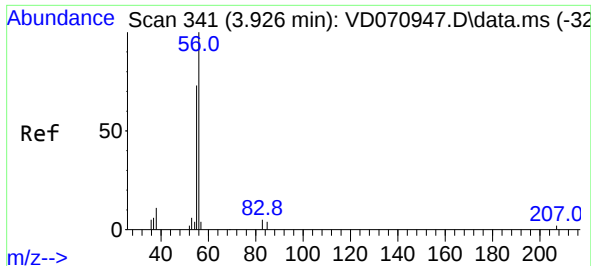
Tgt Ion:168 Resp: 336676
Ion Ratio Lower Upper
168 100
99 62.8 46.6 69.8



#10
Methyl Iodide
Concen: 6.162 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

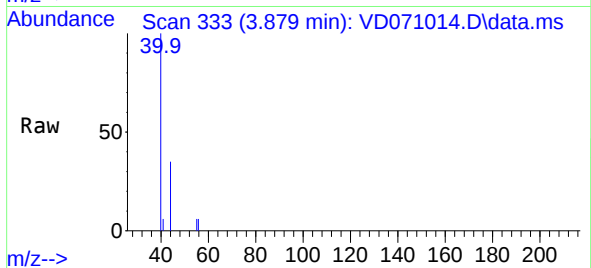
Tgt Ion:142 Resp: 620
Ion Ratio Lower Upper
142 100
127 12.1 35.0 52.4#
141 0.0 12.0 18.0#



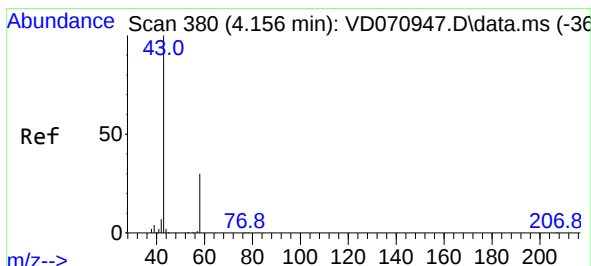
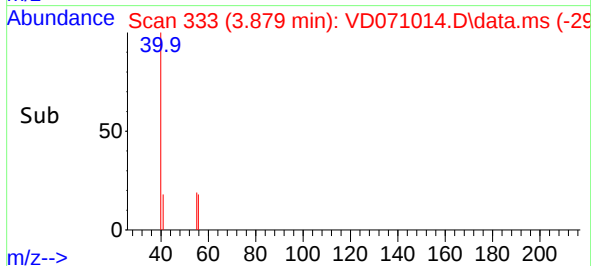
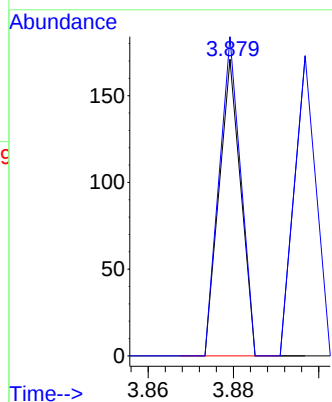


#13
Acrolein
Concen: Below Cal
RT: 3.879 min Scan# 31
Delta R.T. -0.047 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Instrument :
MSVOA_D
ClientSampleId :

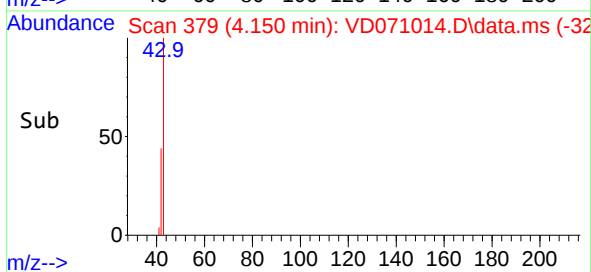
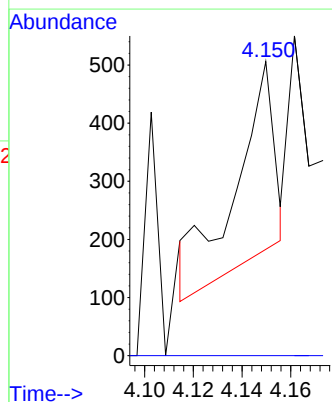
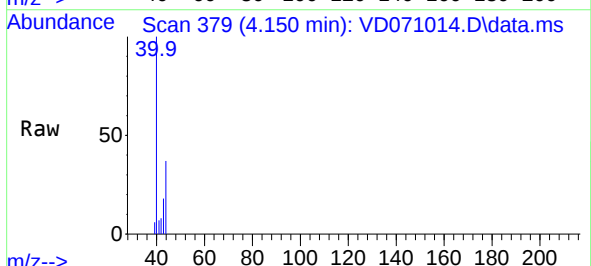


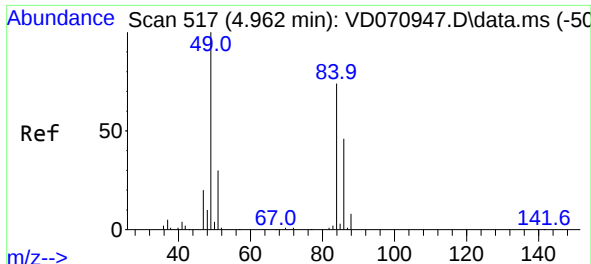
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 108.3 58.6 87.8#



#16
Acetone
Concen: 20.143 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

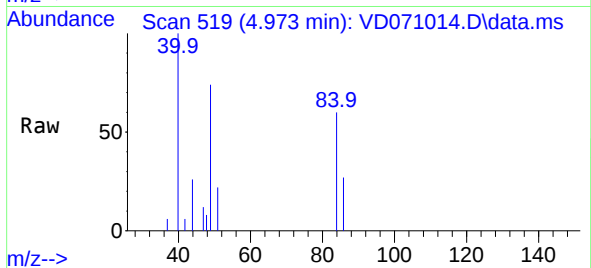
Tgt Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



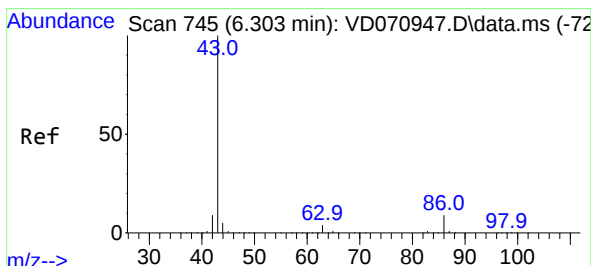
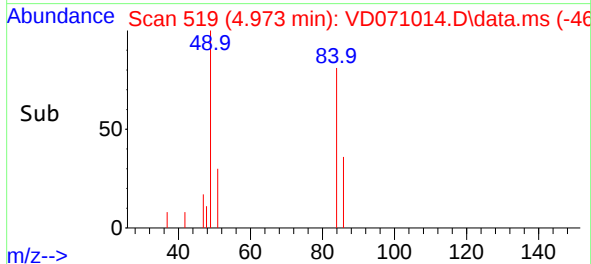
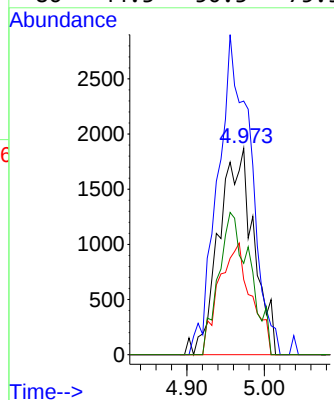


#20
Methylene Chloride
Concen: 1.018 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Instrument :
MSVOA_D
ClientSampleId :

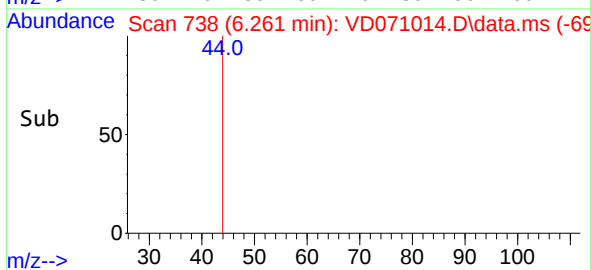
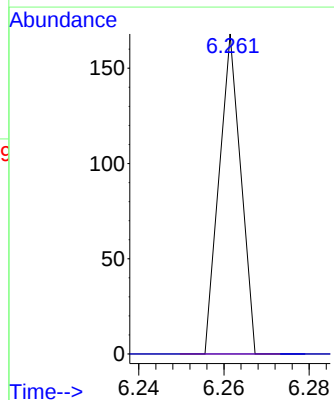
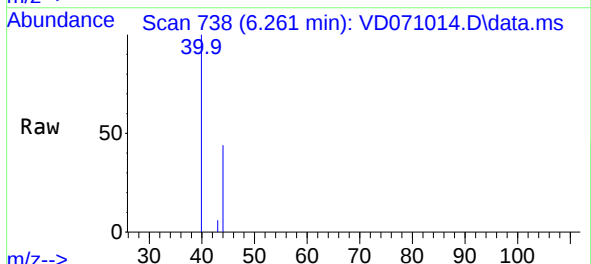


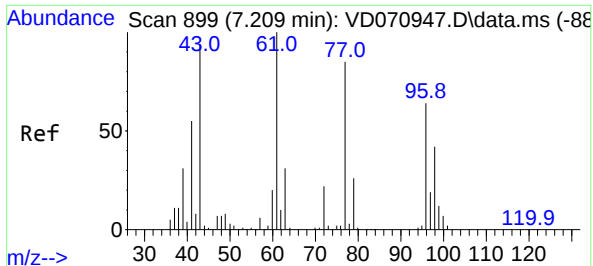
Tgt Ion: 84 Resp: 5842
Ion Ratio Lower Upper
84 100
49 122.9 95.8 143.6
51 36.3 30.9 46.3
86 44.3 50.3 75.5#



#23
Vinyl Acetate
Concen: 20.990 ug/l
RT: 6.261 min Scan# 738
Delta R.T. -0.042 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

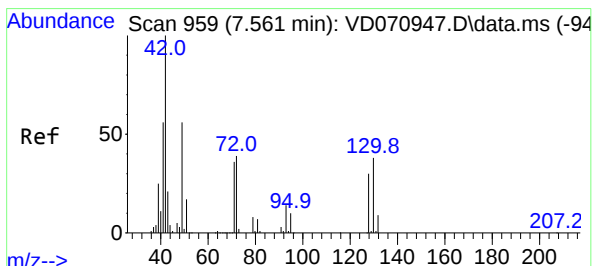
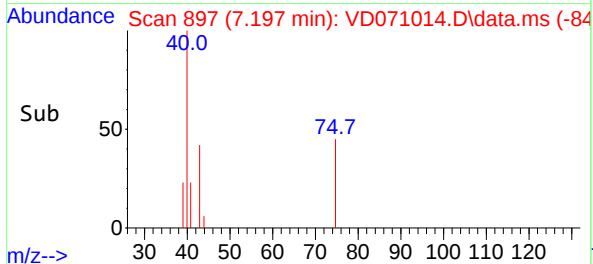
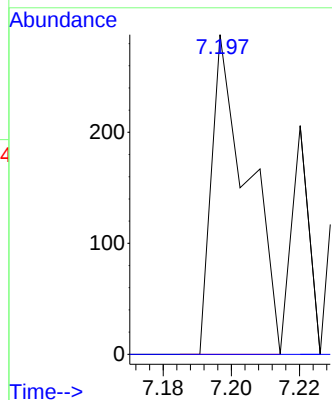
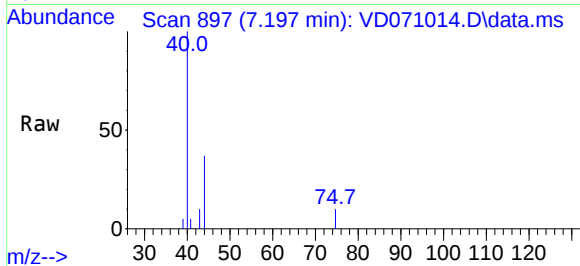




#25
2-Butanone
Concen: 20.524 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

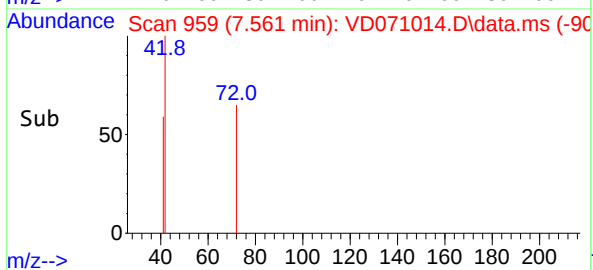
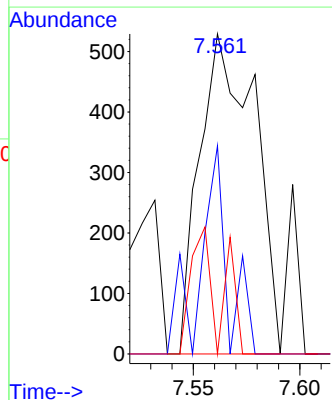
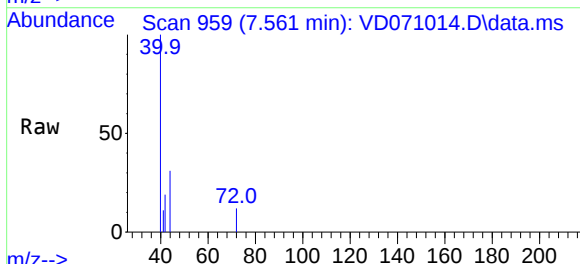
Instrument :
MSVOA_D
ClientSampleId :

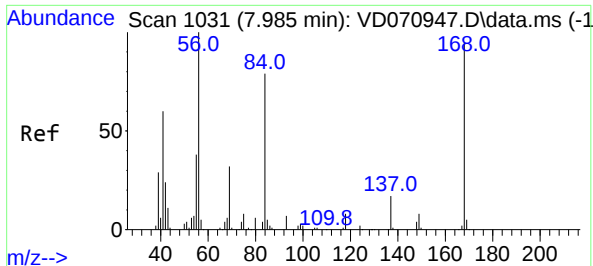
Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.307 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Tgt Ion: 42 Resp: 952
Ion Ratio Lower Upper
42 100
72 32.4 33.7 50.5#
71 20.9 32.7 49.1#





#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

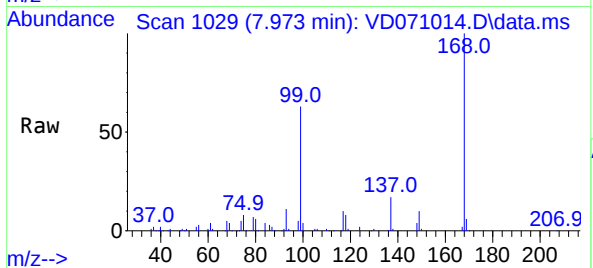
Lab File: VD071014.D

Acq: 12 Nov 2021 05:38

Instrument :

MSVOA_D

ClientSampleId :



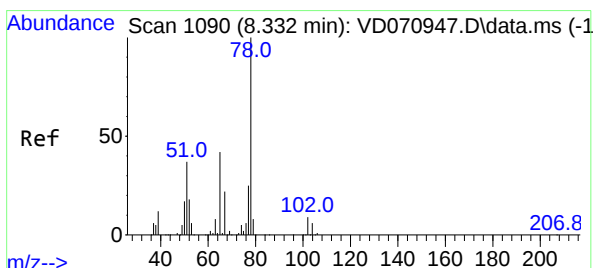
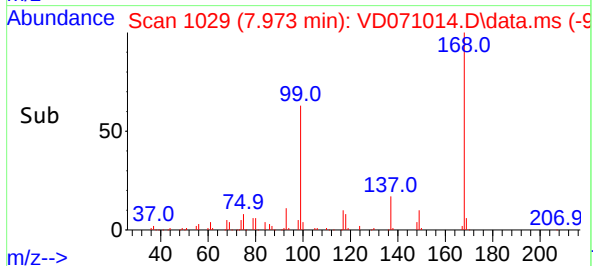
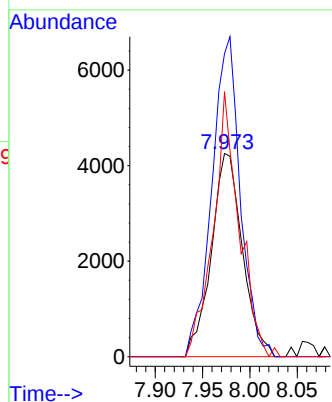
Tgt Ion: 56 Resp: 9715

Ion Ratio Lower Upper

56 100

69 149.2 25.9 38.9#

84 130.4 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 49.199 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071014.D

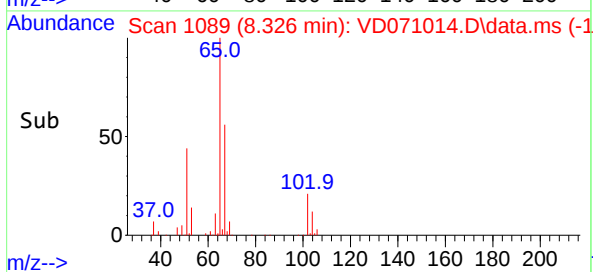
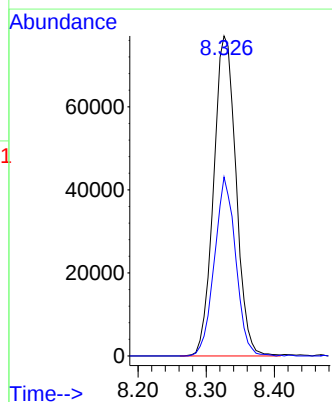
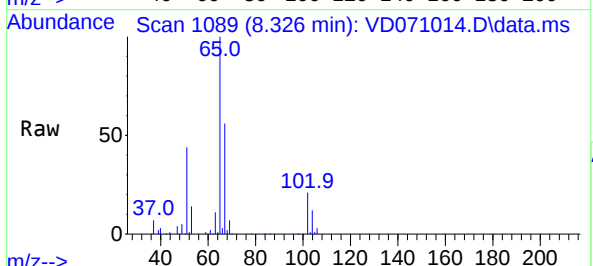
Acq: 12 Nov 2021 05:38

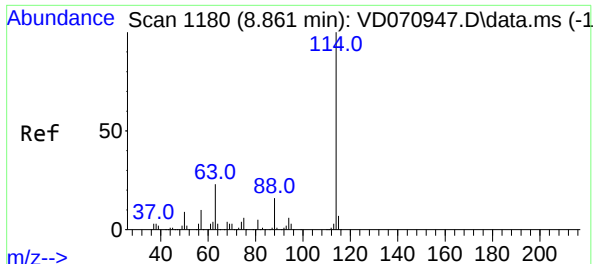
Tgt Ion: 65 Resp: 176360

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: VD071014.D

Acq: 12 Nov 2021 05:38

Instrument :

MSVOA_D

ClientSampleId :

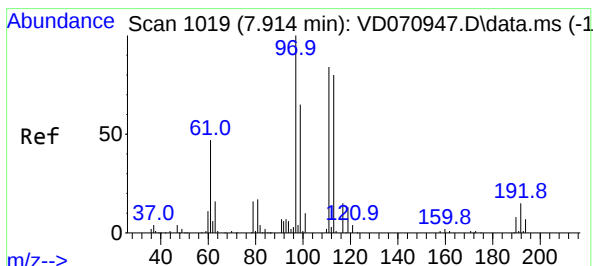
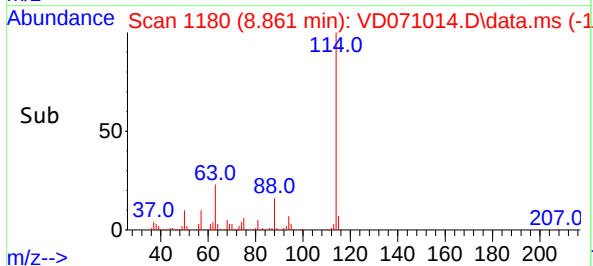
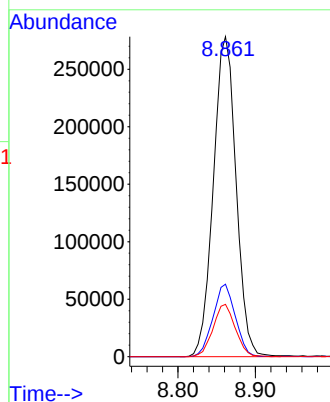
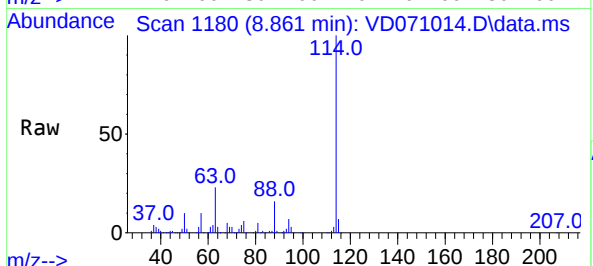
Tgt Ion:114 Resp: 566237

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.701 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071014.D

Acq: 12 Nov 2021 05:38

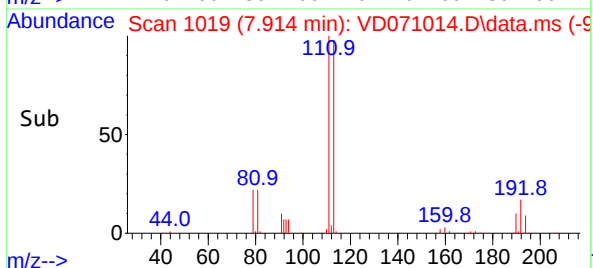
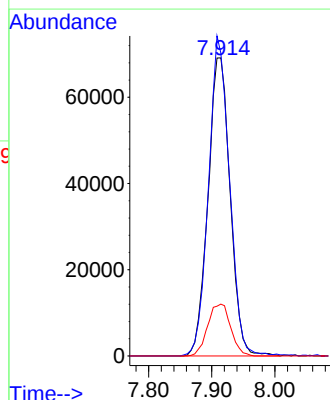
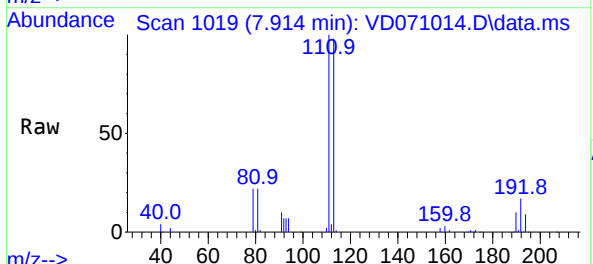
Tgt Ion:113 Resp: 168390

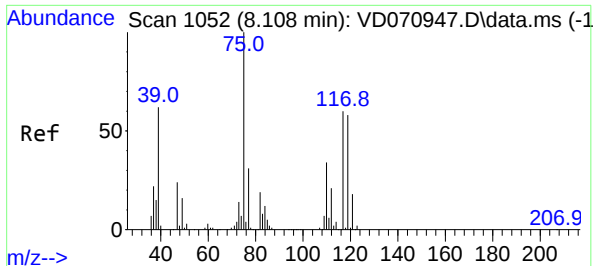
Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

192 18.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.635 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071014.D

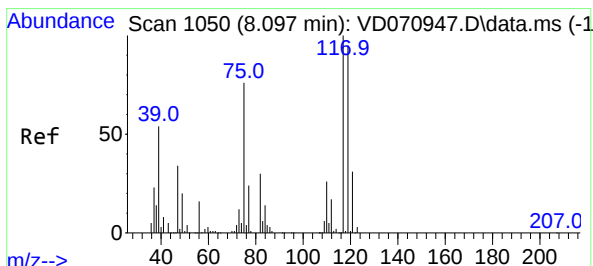
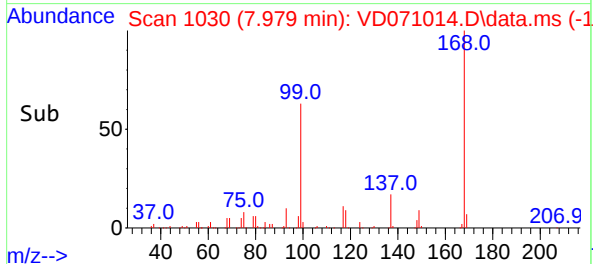
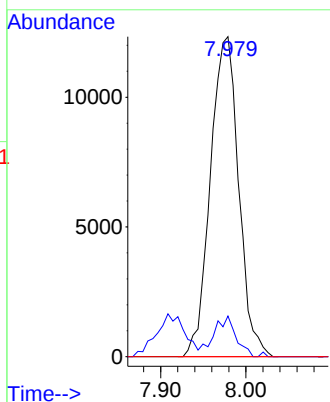
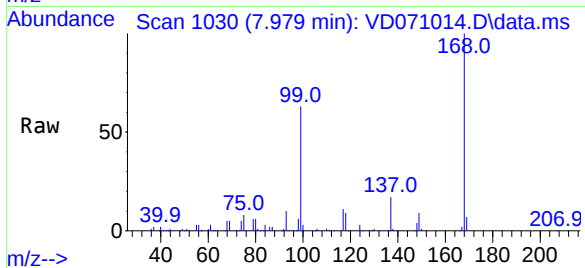
Acq: 12 Nov 2021 05:38

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	28489
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 8.060 ug/l

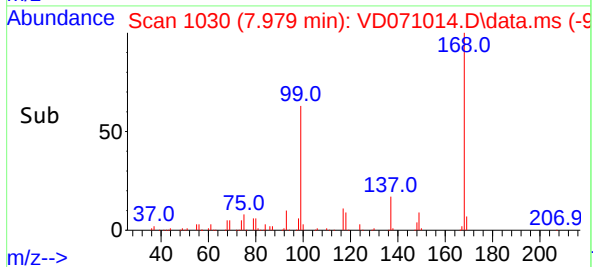
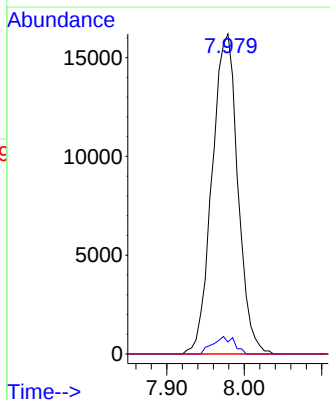
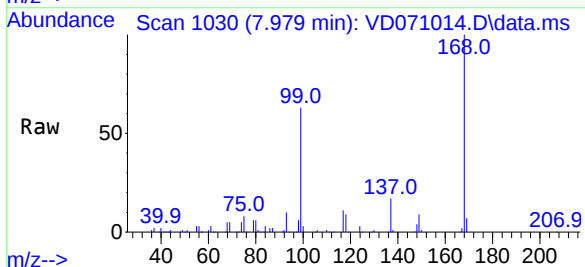
RT: 7.979 min Scan# 1030

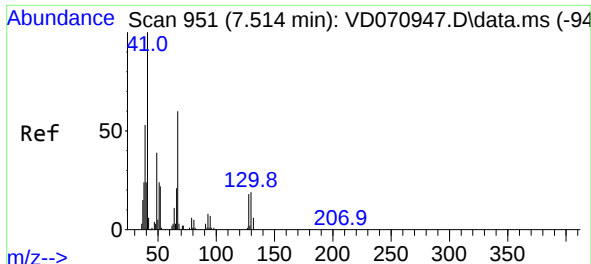
Delta R.T. -0.118 min

Lab File: VD071014.D

Acq: 12 Nov 2021 05:38

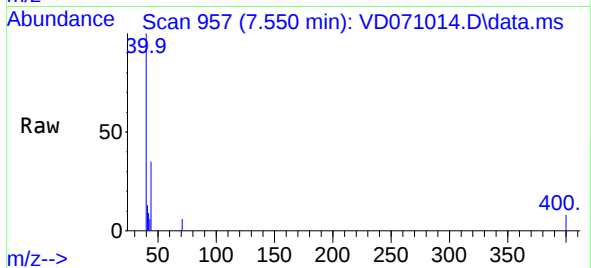
Tgt Ion:	117	Resp:	37526
Ion	Ratio	Lower	Upper
117	100		
119	3.7	75.8	113.6#
121	0.0	23.6	35.4#





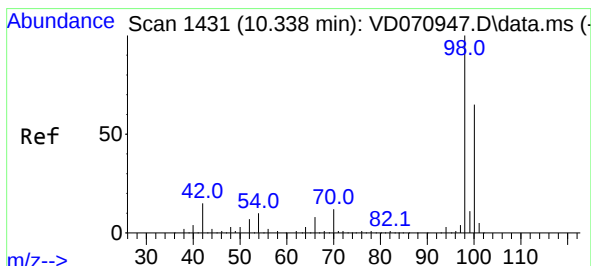
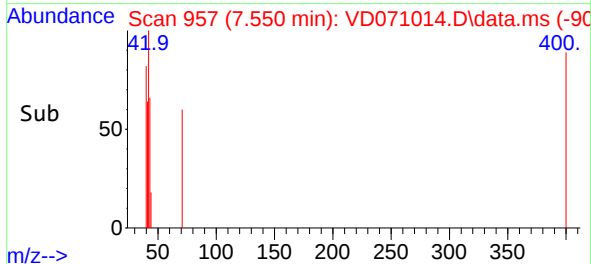
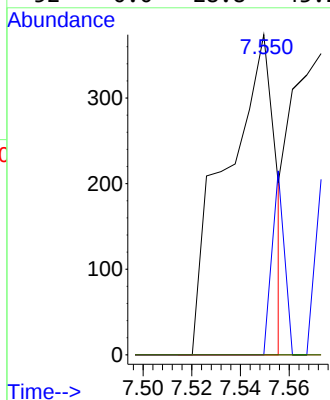
#41
Methacrylonitrile
Concen: 3.797 ug/l
RT: 7.550 min Scan# 91
Delta R.T. 0.036 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 41 Resp: 532

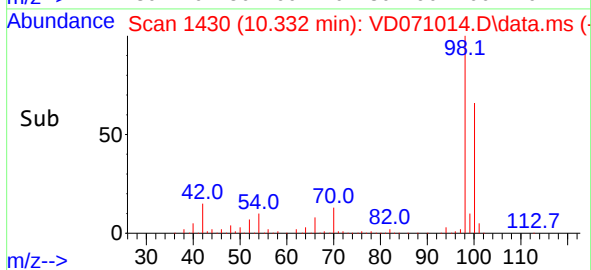
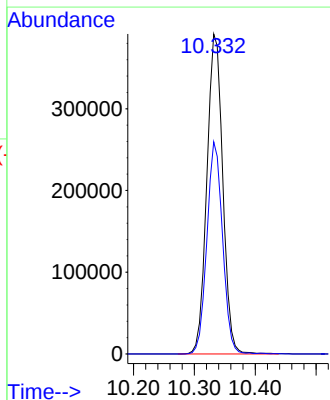
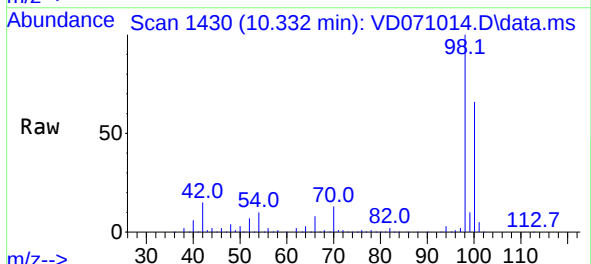
Ion	Ratio	Lower	Upper
41	100		
39	14.3	60.2	90.4#
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#

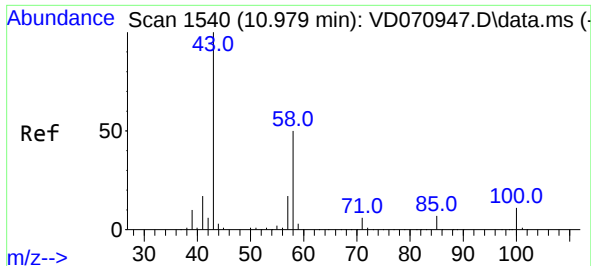


#50
Toluene-d8
Concen: 56.732 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Tgt Ion: 98 Resp: 709895

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.8	77.6

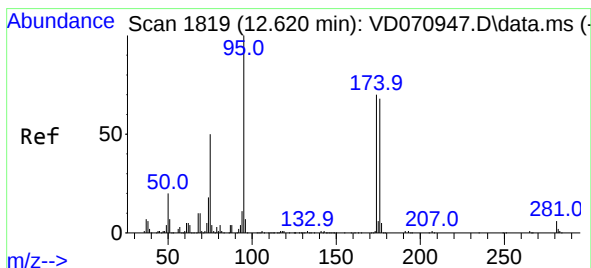
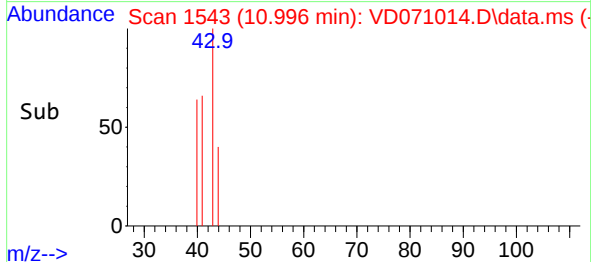
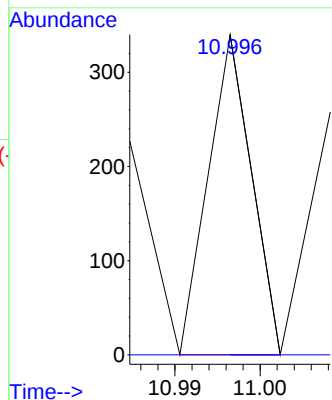
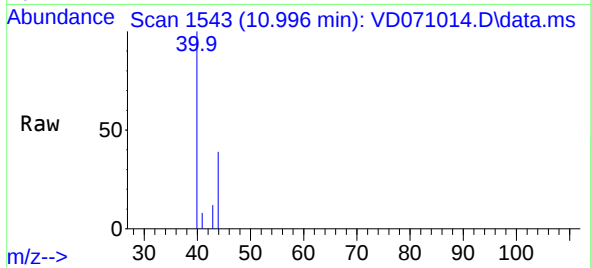




#59
2-Hexanone
Concen: 15.995 ug/l
RT: 10.996 min Scan# 11
Delta R.T. 0.017 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

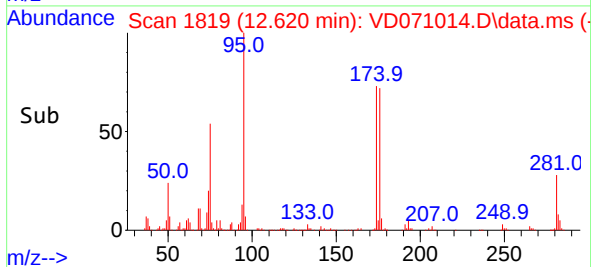
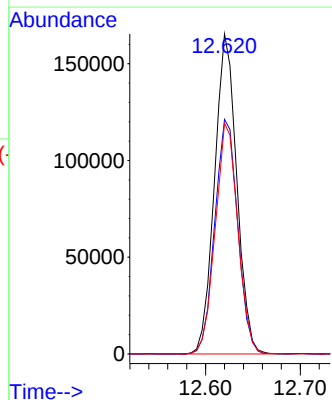
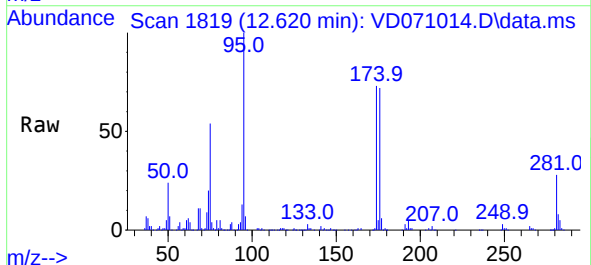
Instrument :
MSVOA_D
ClientSampleId :

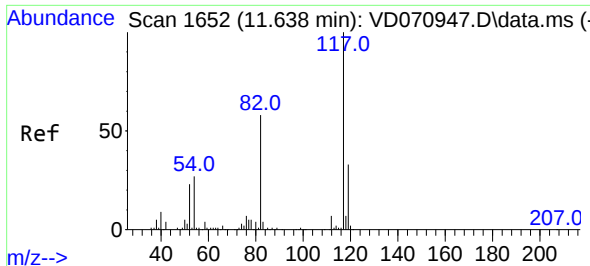
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 59.831 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

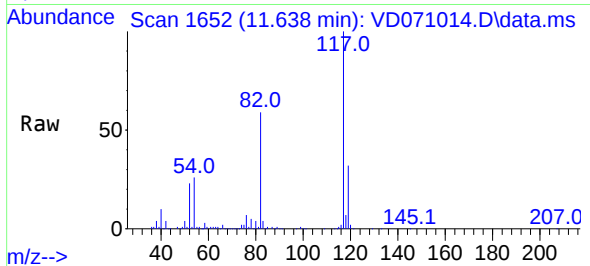
Tgt Ion: 95 Resp: 269564
Ion Ratio Lower Upper
95 100
174 75.7 0.0 159.4
176 73.2 0.0 154.0



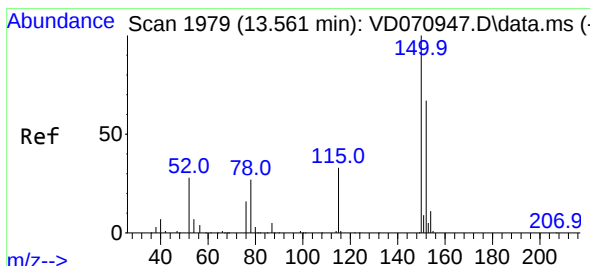
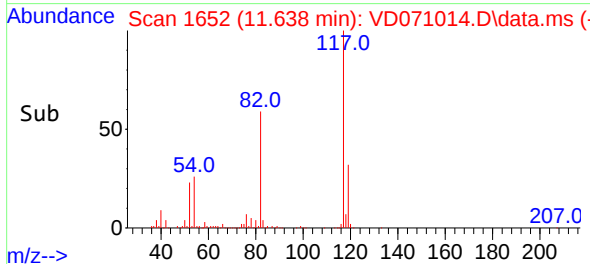
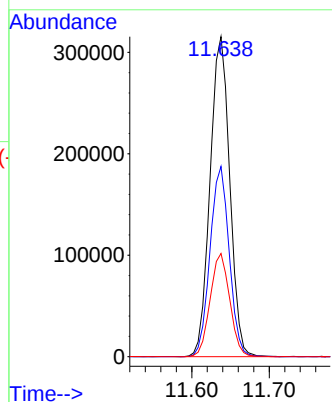


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Instrument :
MSVOA_D
ClientSampleId :

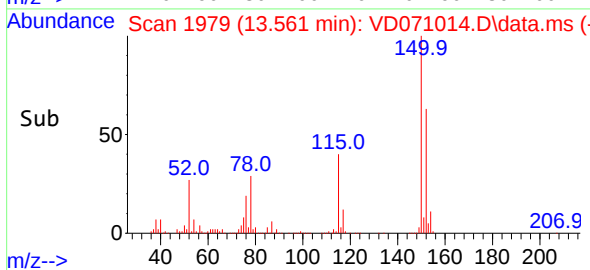
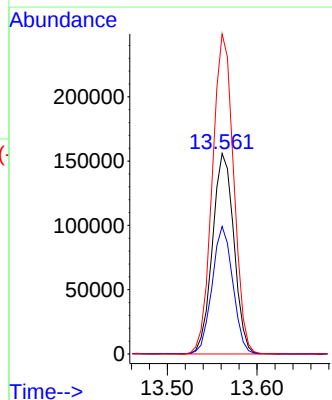
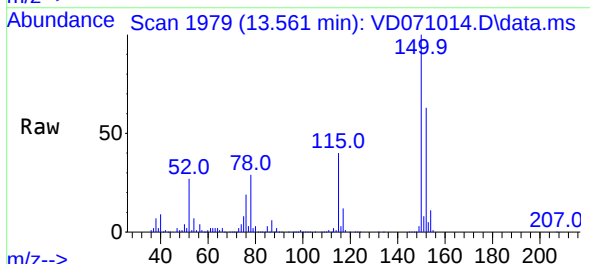


Tgt Ion:117 Resp: 555575
Ion Ratio Lower Upper
117 100
82 59.4 44.7 67.1
119 32.2 26.2 39.4

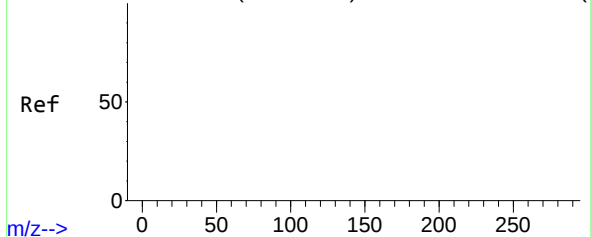


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

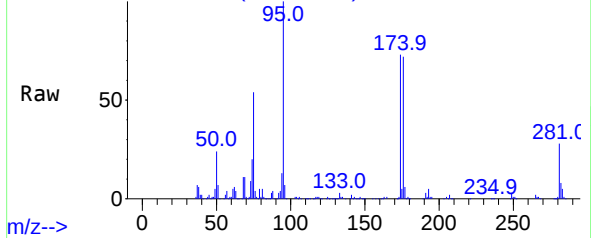
Tgt Ion:152 Resp: 259104
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 158.5 0.0 349.2



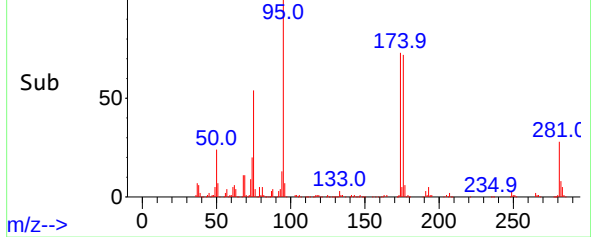
Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-



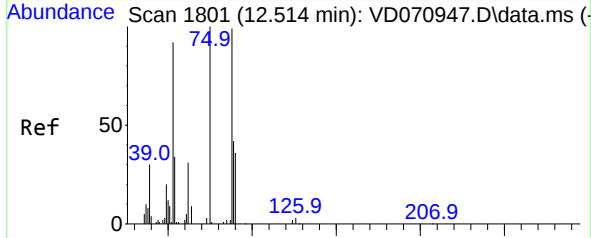
Ref 50



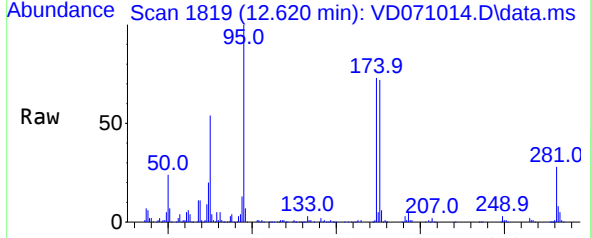
Raw 50



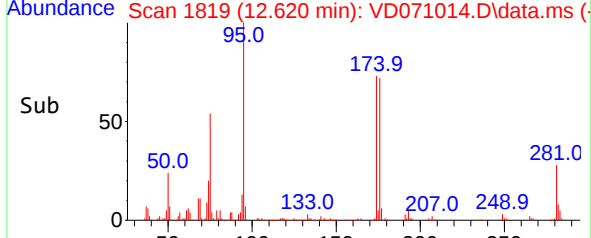
Sub 50



Ref 50



Raw 50

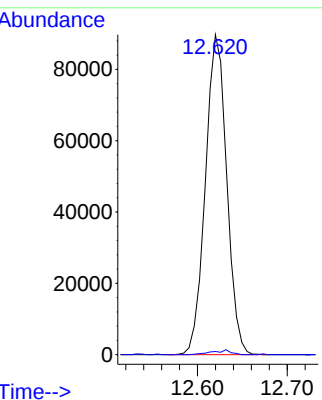


Sub 50

#76
1,2,3-Trichloropropane
Concen: 66.926 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 148125
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.625 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD071014.D
Acq: 12 Nov 2021 05:38

Tgt Ion: 75 Resp: 148125
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.5 34.5 51.7#

