

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD071017.D
 Acq On : 12 Nov 2021 07:03
 Operator : VA/SY
 Sample : M4601-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:18:56 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)

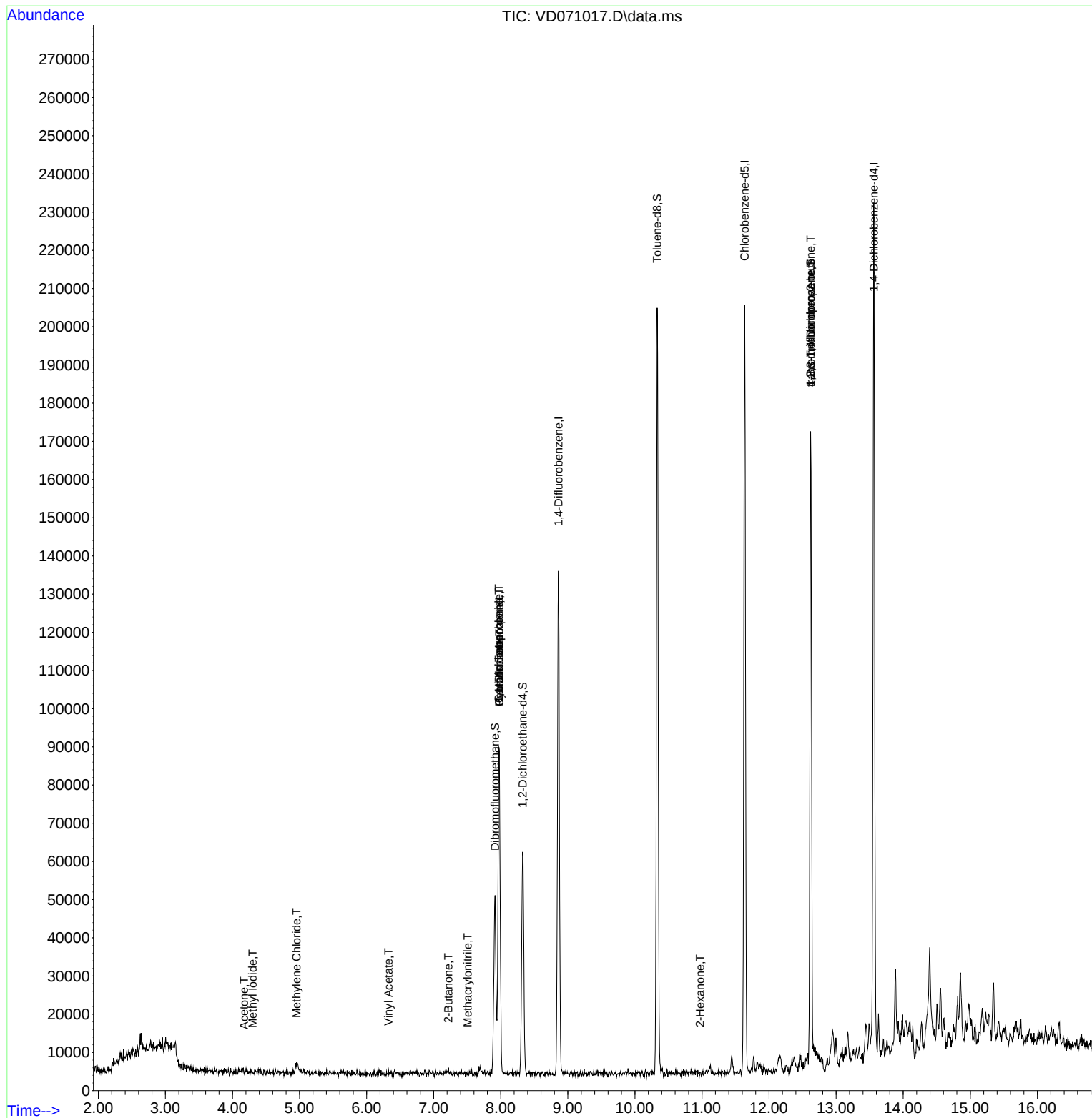
Internal Standards						
1) Pentafluorobenzene	7.979	168	61183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	105271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	110024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	53284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	45994	70.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.220%	
35) Dibromofluoromethane	7.914	113	31429	52.909	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.820%	
50) Toluene-d8	10.332	98	131971	56.729	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.460%	
62) 4-Bromofluorobenzene	12.620	95	55259	65.971	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 131.940%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	203	6.273	ug/l #	40
13) Acrolein	4.079	56	62	Below Cal	#	13
16) Acetone	4.173	43	1261	26.396	ug/l #	40
20) Methylene Chloride	4.956	84	2255	2.643	ug/l #	72
23) Vinyl Acetate	6.326	43	141	21.083	ug/l #	72
25) 2-Butanone	7.220	43	63	20.622	ug/l #	45
31) Cyclohexane	7.979	56	1521	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	5550	5.905	ug/l #	46
38) Carbon Tetrachloride	7.973	117	6814	7.872	ug/l #	17
41) Methacrylonitrile	7.508	41	58	3.677	ug/l #	12
59) 2-Hexanone	10.973	43	216	16.523	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	28824	63.328	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	28824	117.160	ug/l #	18

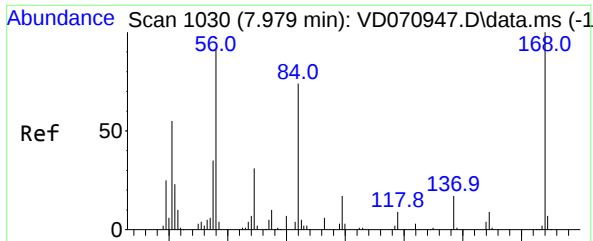
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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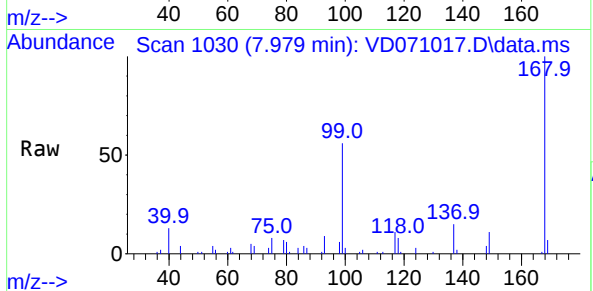
Quant Time: Nov 12 08:18:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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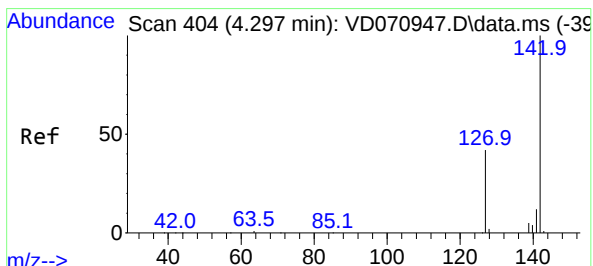
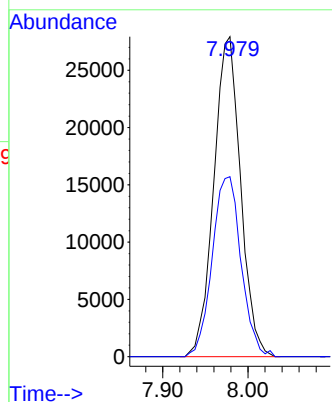
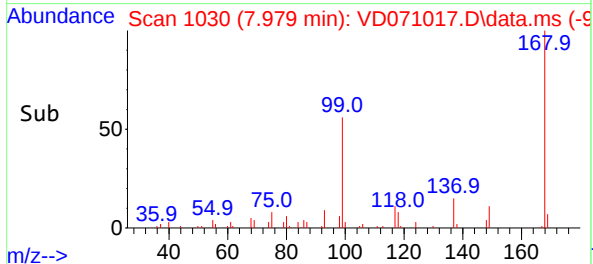


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Instrument :
MSVOA_D
ClientSampleId :

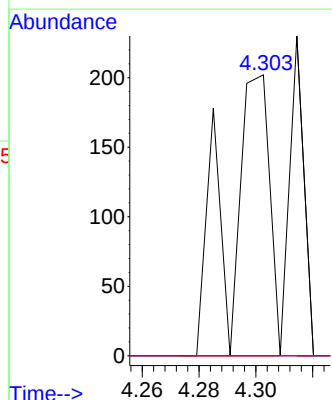
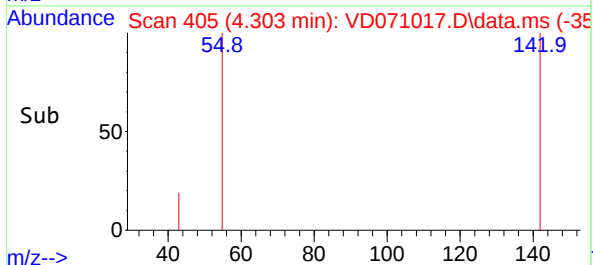
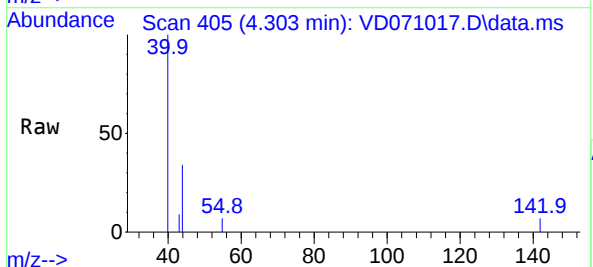


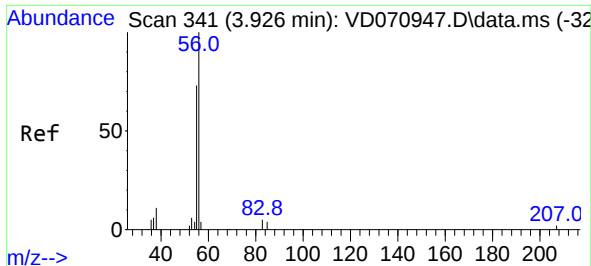
Tgt Ion:168 Resp: 61183
Ion Ratio Lower Upper
168 100
99 56.2 46.6 69.8



#10
Methyl Iodide
Concen: 6.273 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Tgt Ion:142 Resp: 203
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

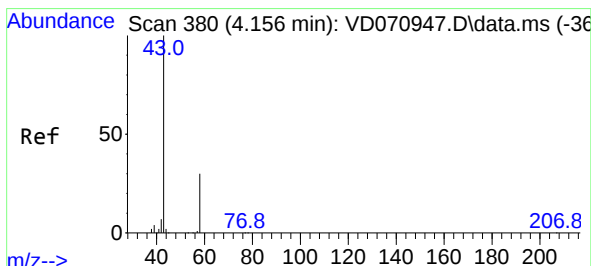
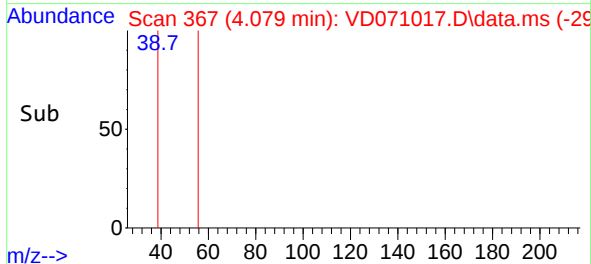
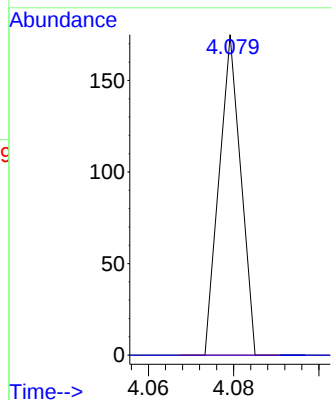
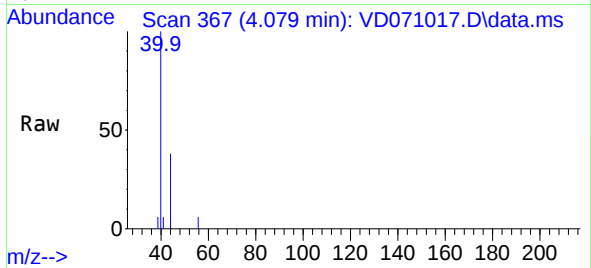




#13
Acrolein
Concen: Below Cal
RT: 4.079 min Scan# 30
Delta R.T. 0.153 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

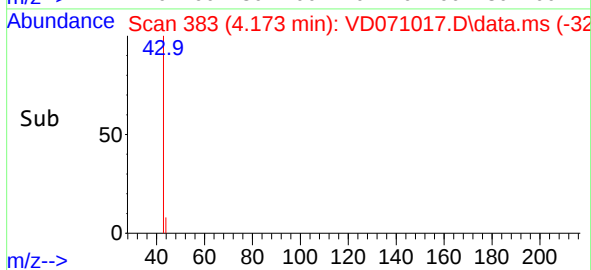
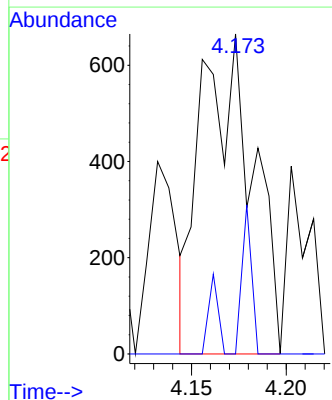
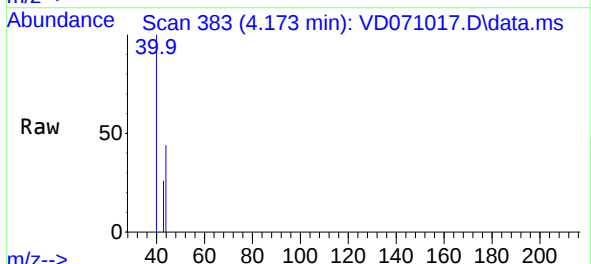
Instrument :
MSVOA_D
ClientSampleId :

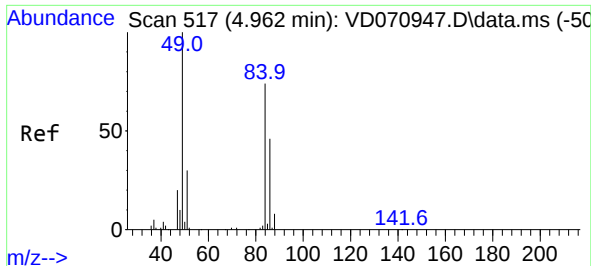
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#16
Acetone
Concen: 26.396 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.017 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

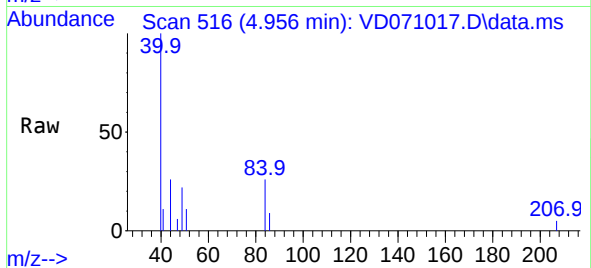
Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



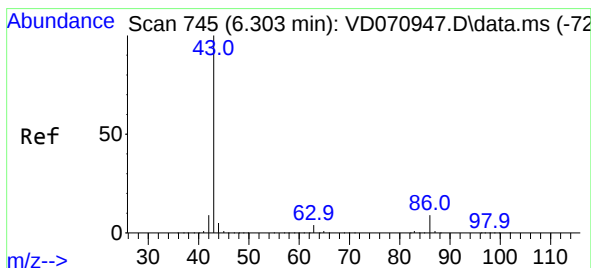
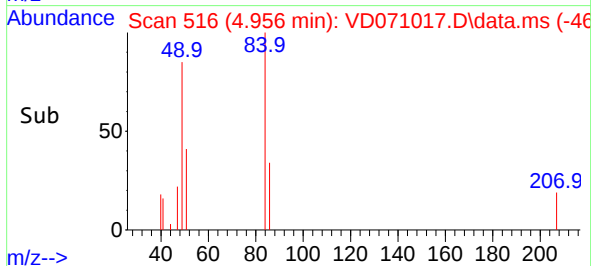
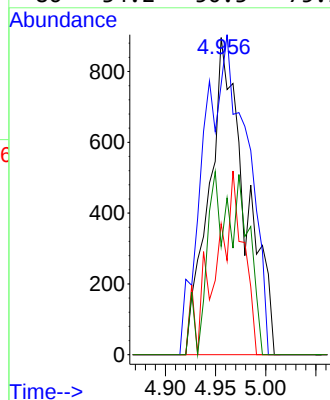


#20
Methylene Chloride
Concen: 2.643 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Instrument :
MSVOA_D
ClientSampleId :

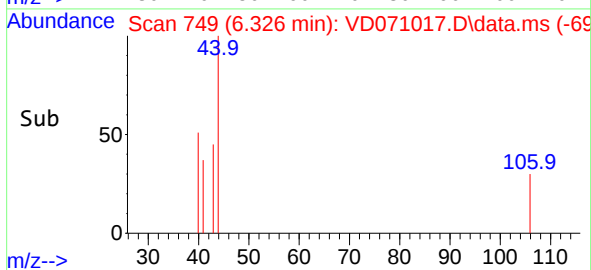
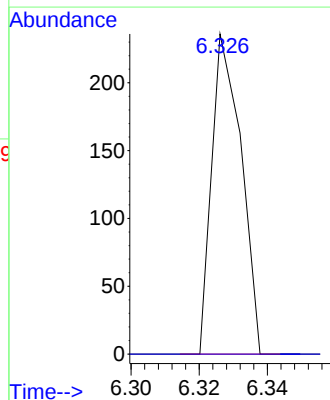
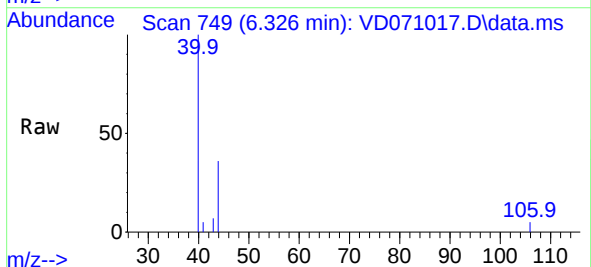


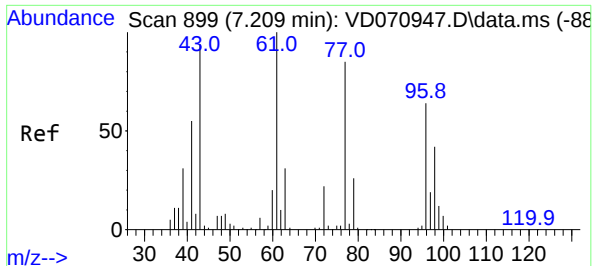
Tgt Ion:	84	Resp:	2255
Ion	Ratio	Lower	Upper
84	100		
49	85.3	95.8	143.6#
51	41.3	30.9	46.3
86	34.2	50.3	75.5#



#23
Vinyl Acetate
Concen: 21.083 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Tgt Ion:	43	Resp:	141
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

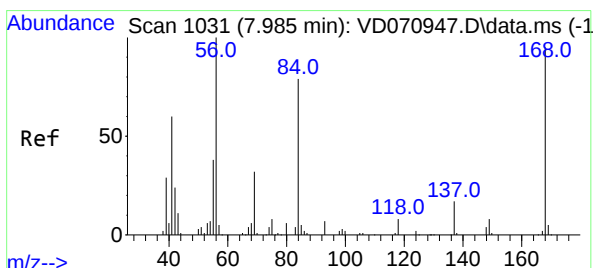
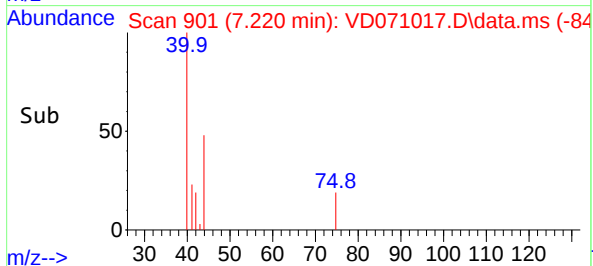
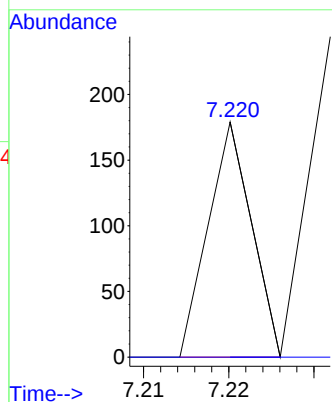
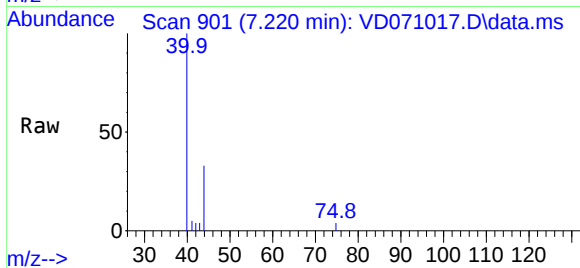




#25
2-Butanone
Concen: 20.622 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

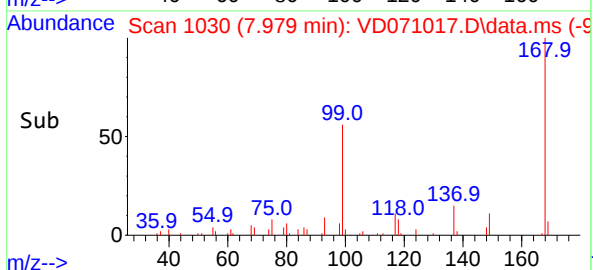
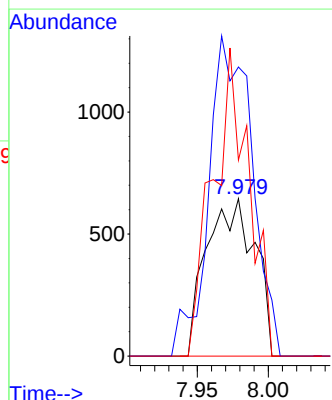
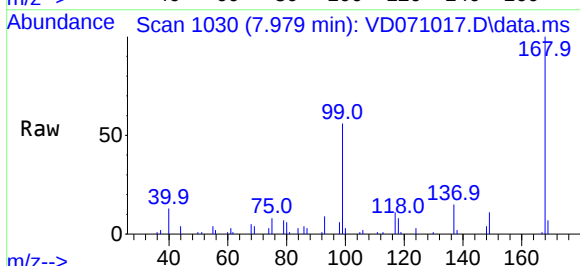
Instrument :
MSVOA_D
ClientSampleId :

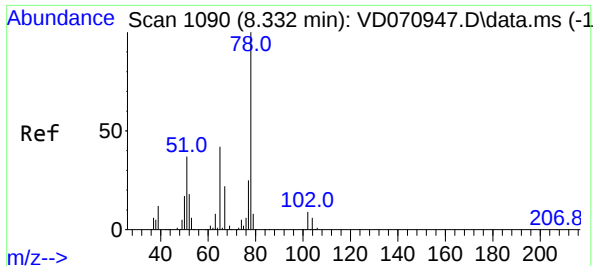
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Tgt Ion: 56 Resp: 1521
Ion Ratio Lower Upper
56 100
69 183.7 25.9 38.9#
84 124.5 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 70.606 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071017.D

Acq: 12 Nov 2021 07:03

Instrument :

MSVOA_D

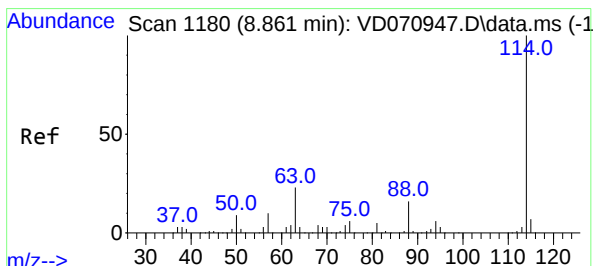
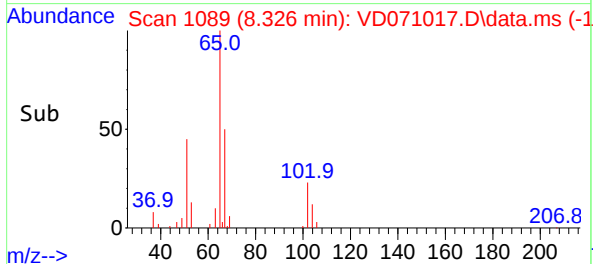
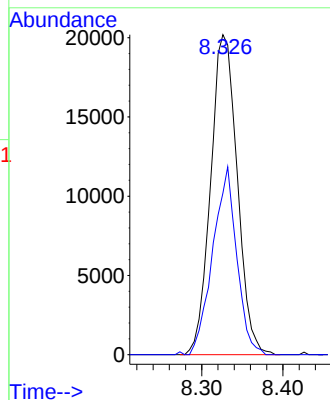
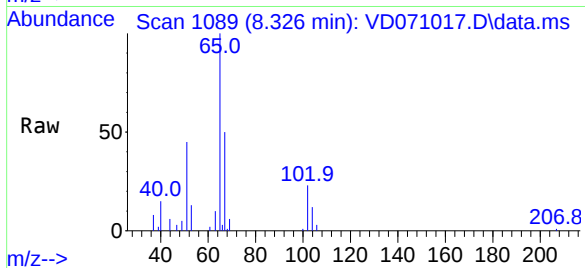
ClientSampleId :

Tgt Ion: 65 Resp: 45994

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: VD071017.D

Acq: 12 Nov 2021 07:03

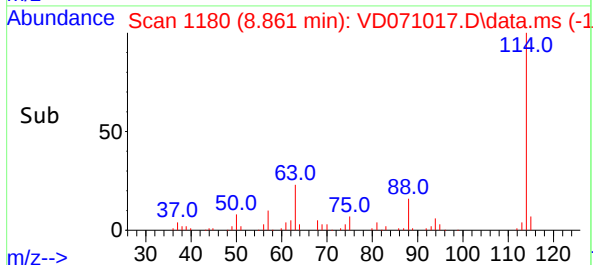
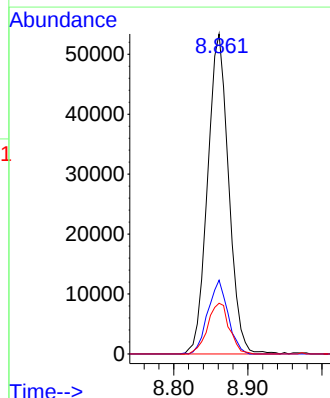
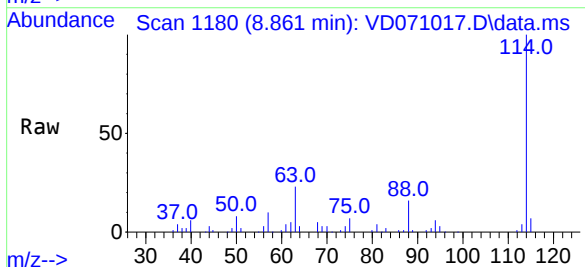
Tgt Ion: 114 Resp: 105271

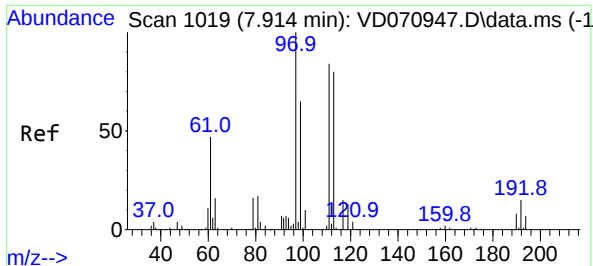
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.909 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071017.D

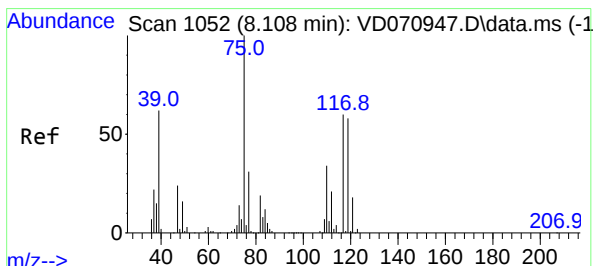
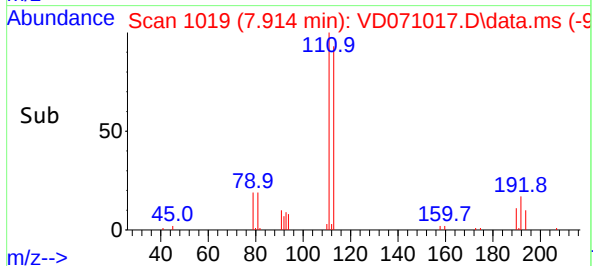
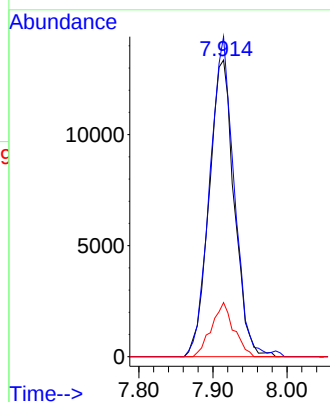
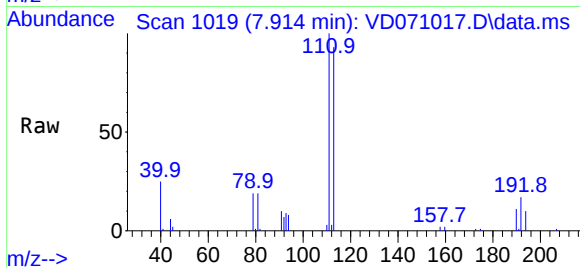
Acq: 12 Nov 2021 07:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	31429
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.0	123.0
192	16.2	15.2	22.8



#36

1,1-Dichloropropene

Concen: 5.905 ug/l

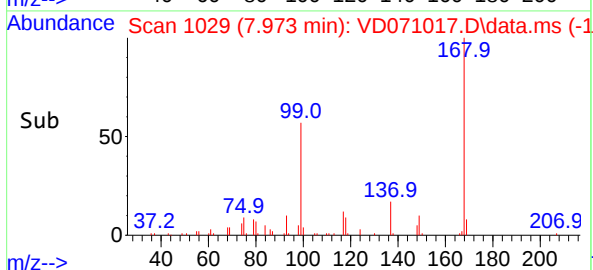
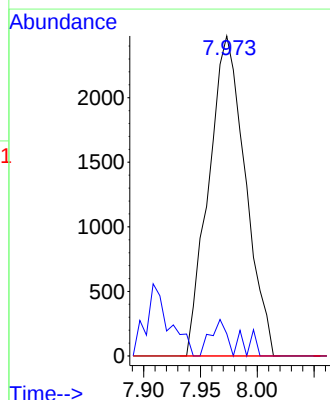
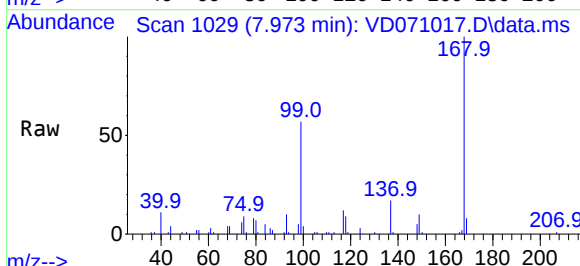
RT: 7.973 min Scan# 1029

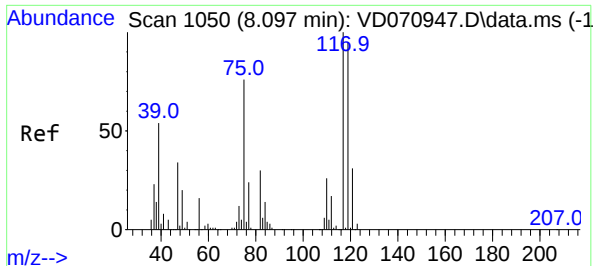
Delta R.T. -0.135 min

Lab File: VD071017.D

Acq: 12 Nov 2021 07:03

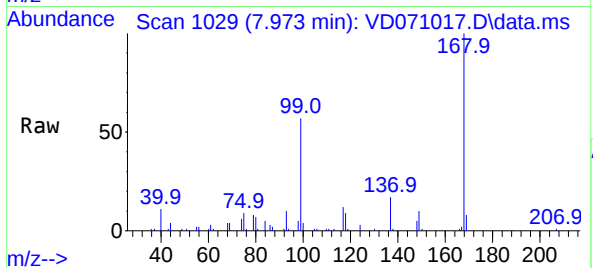
Tgt Ion:	75	Resp:	5550
Ion	Ratio	Lower	Upper
75	100		
110	5.0	17.8	53.4#
77	0.0	24.8	37.2#



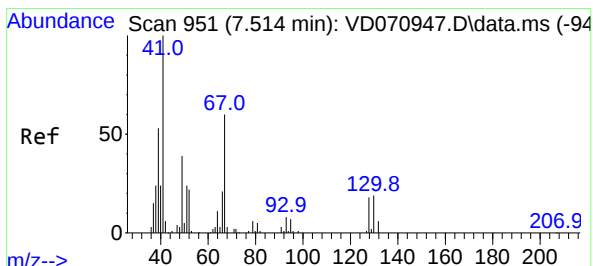
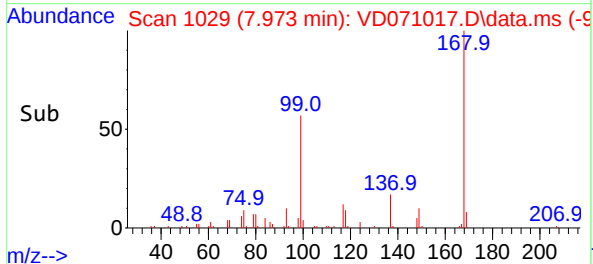
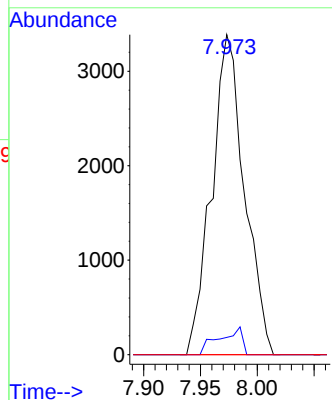


#38
Carbon Tetrachloride
Concen: 7.872 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Instrument :
MSVOA_D
ClientSampleId :

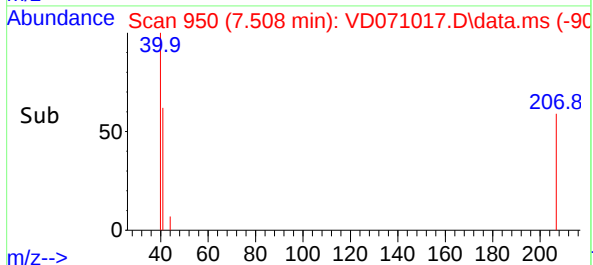
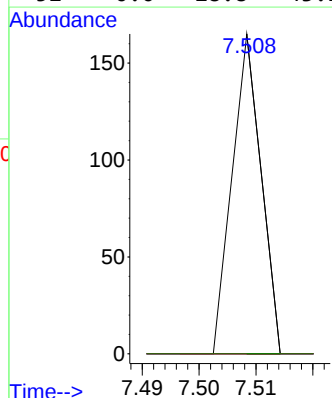
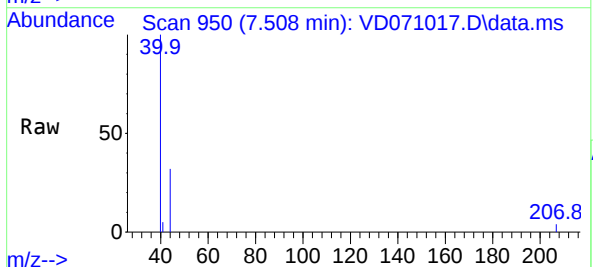


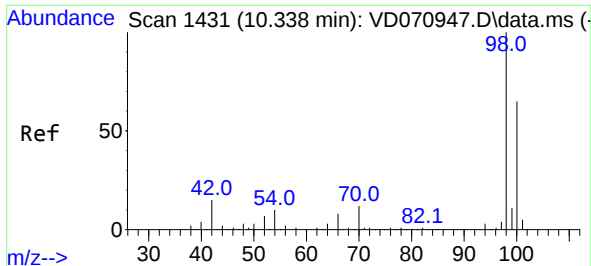
Tgt Ion:117 Resp: 6814
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 3.677 ug/l
RT: 7.508 min Scan# 950
Delta R.T. -0.006 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Tgt Ion: 41 Resp: 58
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#

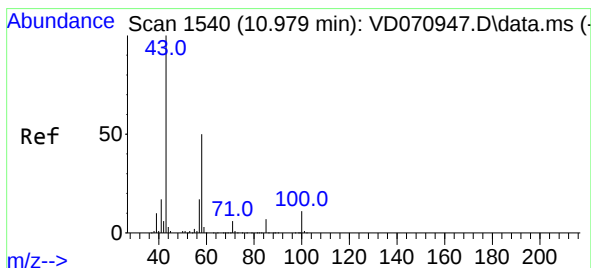
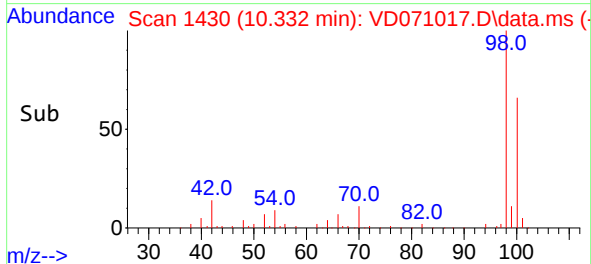
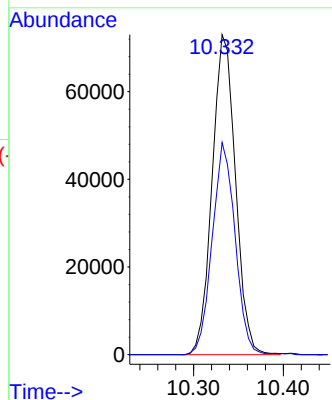
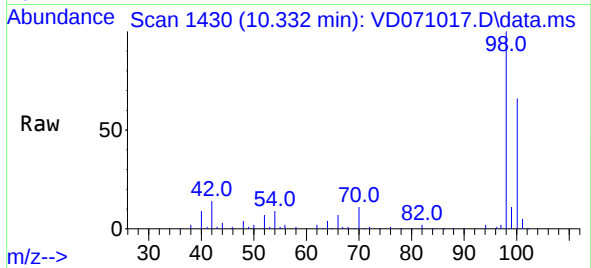




#50
Toluene-d8
Concen: 56.729 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

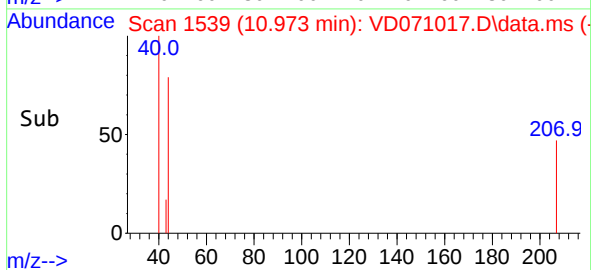
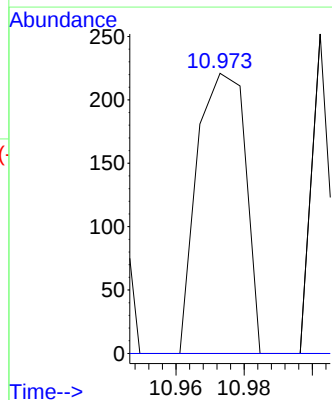
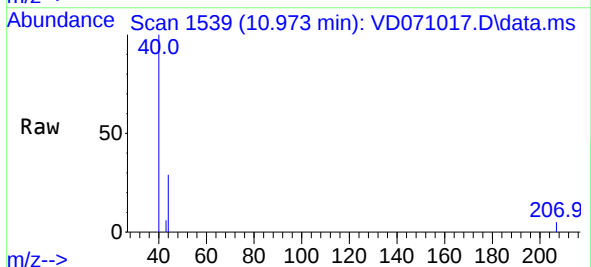
Instrument :
MSVOA_D
ClientSampleId :

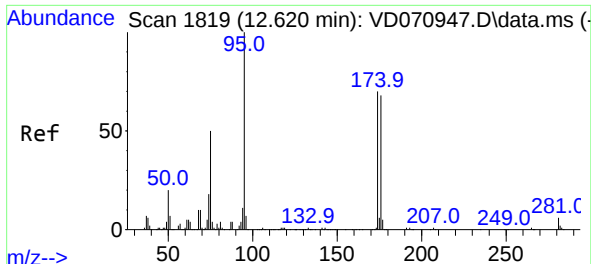
Tgt Ion: 98 Resp: 131971
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#59
2-Hexanone
Concen: 16.523 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

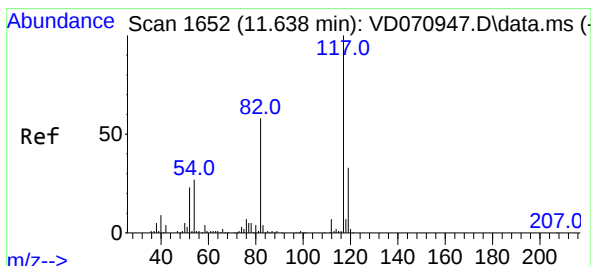
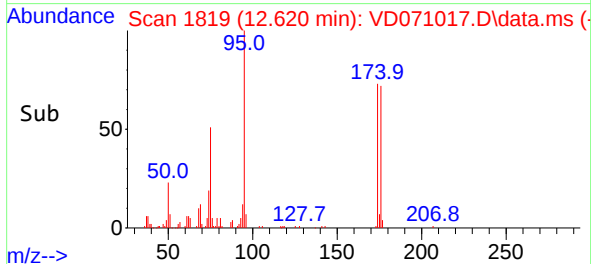
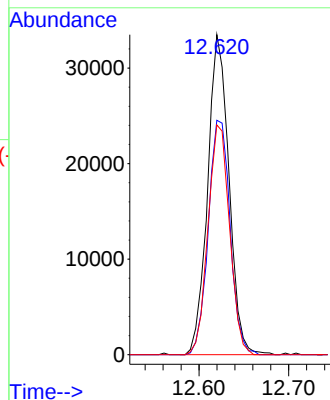
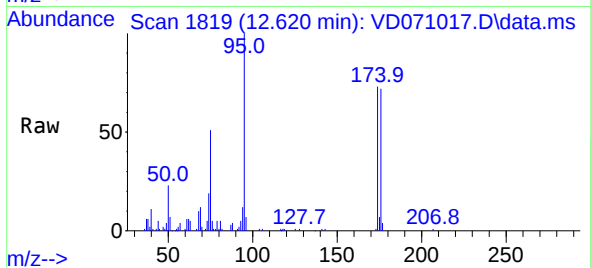




#62
4-Bromofluorobenzene
Concen: 65.971 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

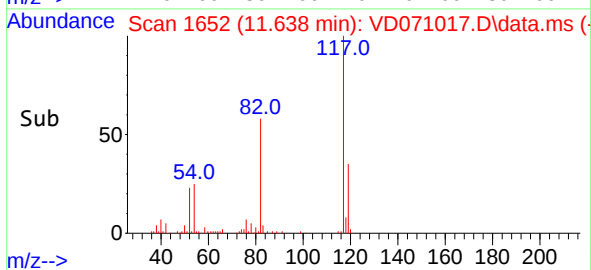
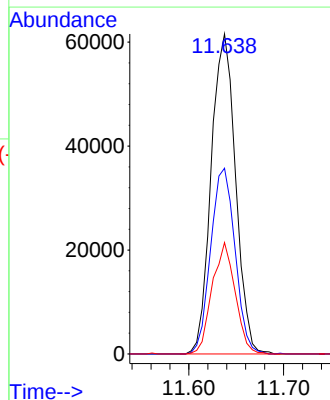
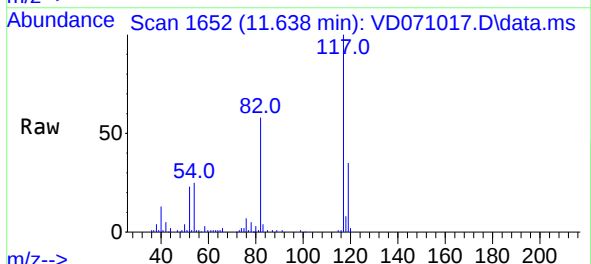
Instrument :
MSVOA_D
ClientSampleId :

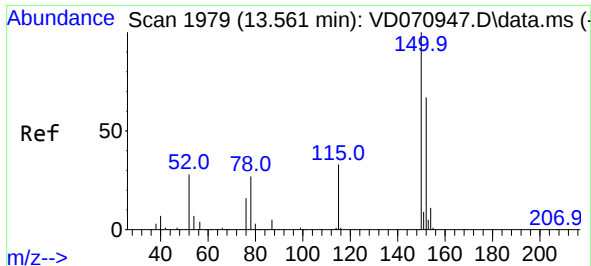
Tgt Ion: 95 Resp: 55259
Ion Ratio Lower Upper
95 100
174 74.7 0.0 159.4
176 72.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071017.D
Acq: 12 Nov 2021 07:03

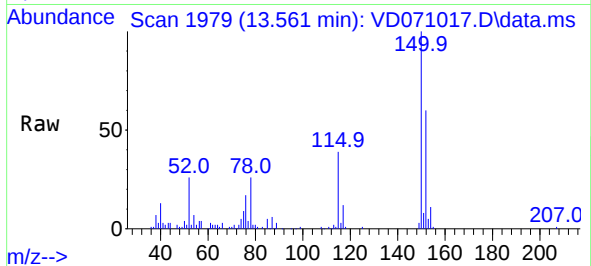
Tgt Ion: 117 Resp: 110024
Ion Ratio Lower Upper
117 100
82 58.1 44.7 67.1
119 34.8 26.2 39.4



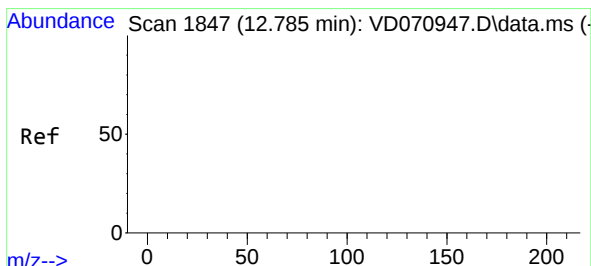
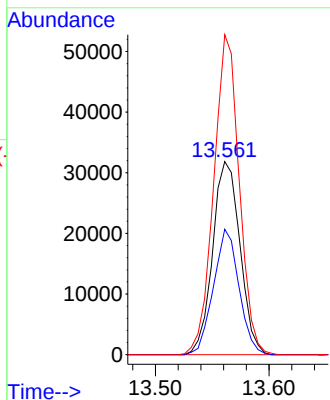
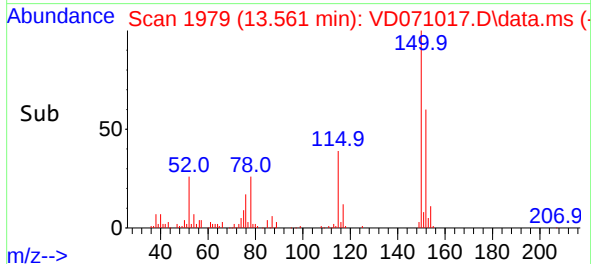


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD071017.D
 Acq: 12 Nov 2021 07:03

Instrument :
 MSVOA_D
 ClientSampleId :

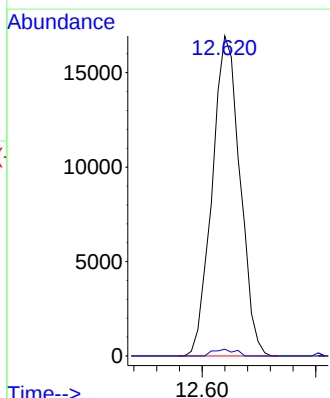
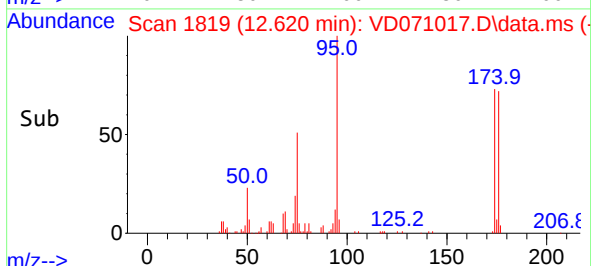
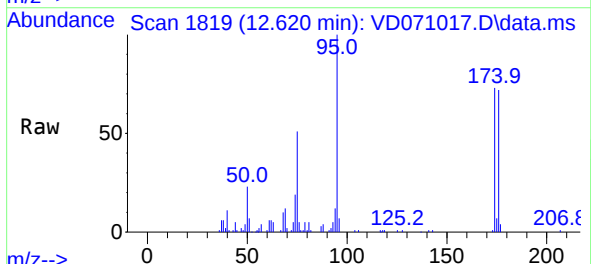


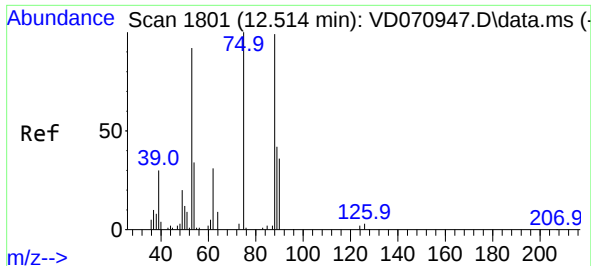
Tgt Ion:152 Resp: 53284
 Ion Ratio Lower Upper
 152 100
 115 60.7 29.8 89.3
 150 154.6 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 63.328 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.165 min
 Lab File: VD071017.D
 Acq: 12 Nov 2021 07:03

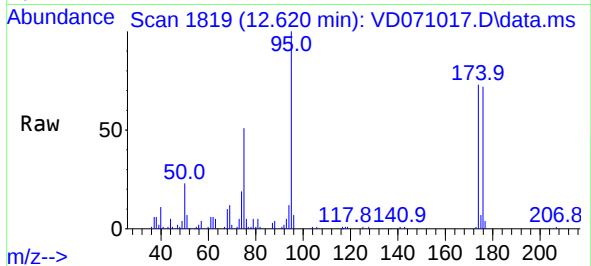
Tgt Ion: 75 Resp: 28824
 Ion Ratio Lower Upper
 75 100
 77 1.7 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.160 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071017.D
 Acq: 12 Nov 2021 07:03

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 28824
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

