

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111021\
 Data File : VD070976.D
 Acq On : 10 Nov 2021 18:31
 Operator : VA/SY
 Sample : M4605-05
 Misc : 3.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 11 06:31:00 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)

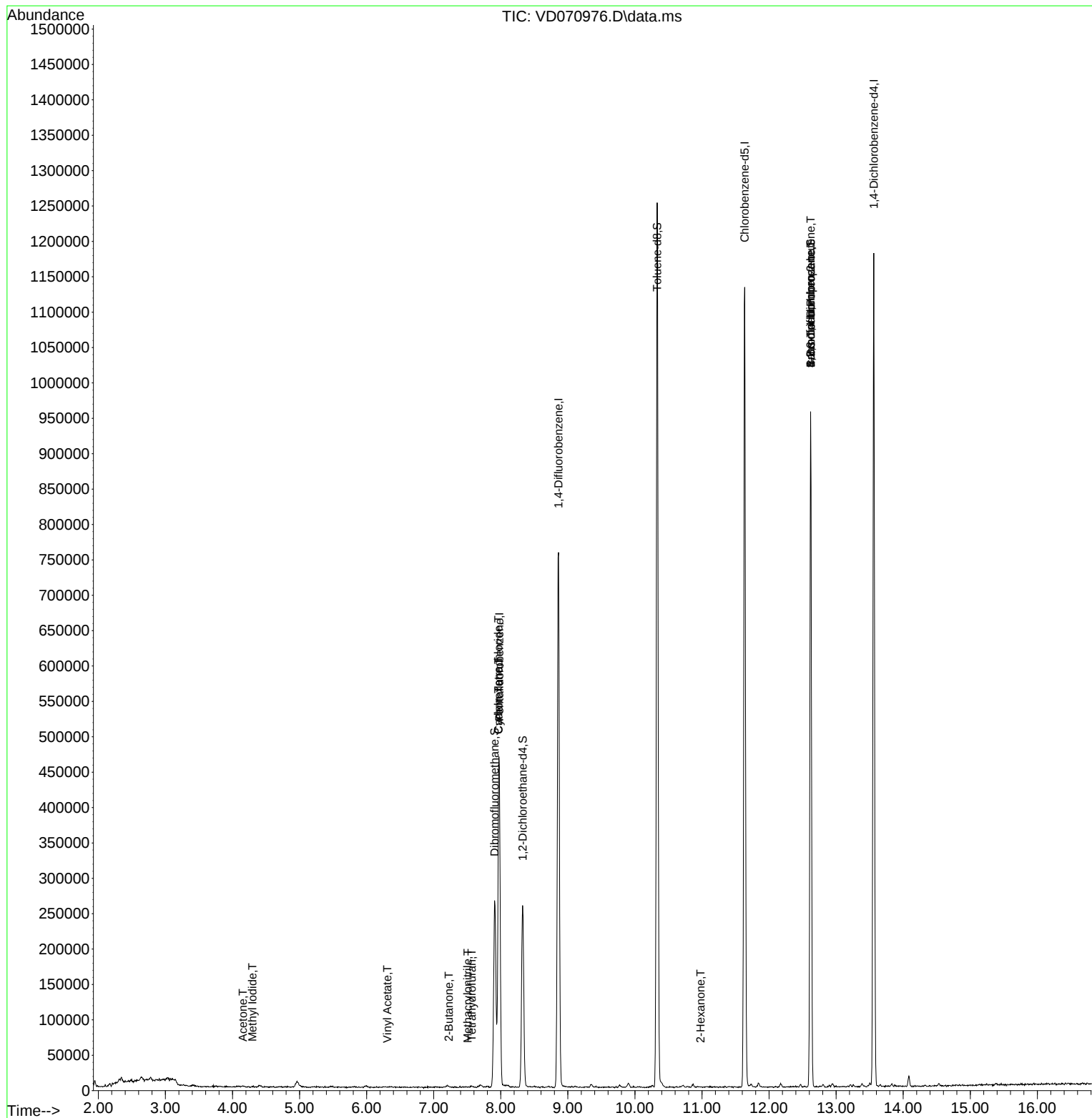
Internal Standards						
1) Pentafluorobenzene	7.979	168	344586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	635624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	618919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	289974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207142	56.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.920%	
35) Dibromofluoromethane	7.908	113	191550	53.406	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.820%	
50) Toluene-d8	10.332	98	801081	57.031	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.060%	
62) 4-Bromofluorobenzene	12.620	95	298691	59.059	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1382	6.326	ug/l #	61
13) Acrolein	3.826	56	58	Below Cal	#	68
16) Acetone	4.156	43	1725	21.399	ug/l #	86
23) Vinyl Acetate	6.309	43	191	21.007	ug/l #	72
25) 2-Butanone	7.226	43	251	20.547	ug/l #	45
29) Tetrahydrofuran	7.567	42	1528	2.050	ug/l #	56
31) Cyclohexane	7.967	56	10372	1.375	ug/l #	21
38) Carbon Tetrachloride	7.967	117	35549	6.802	ug/l #	16
41) Methacrylonitrile	7.508	41	68	3.539	ug/l #	1
59) 2-Hexanone	10.979	43	772	16.283	ug/l #	22
71) Bromoform	12.620	173	2219	1.086	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	161664	65.267	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	161664	120.644	ug/l #	18

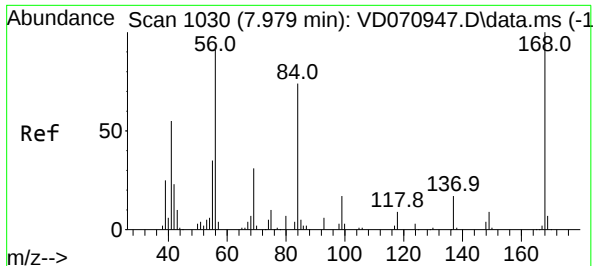
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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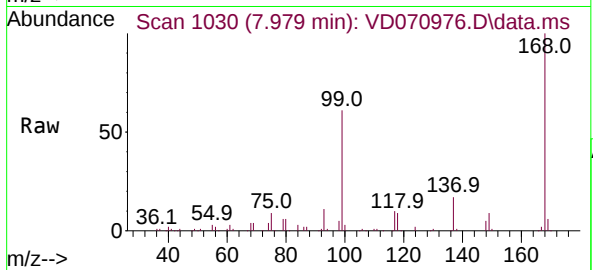
Quant Time: Nov 11 06:31:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



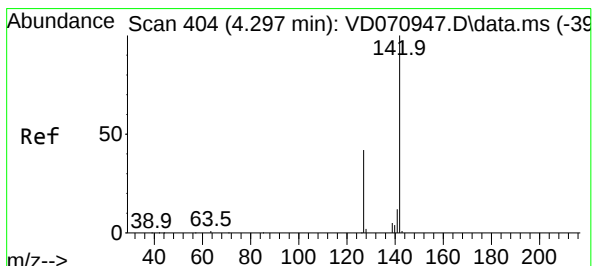
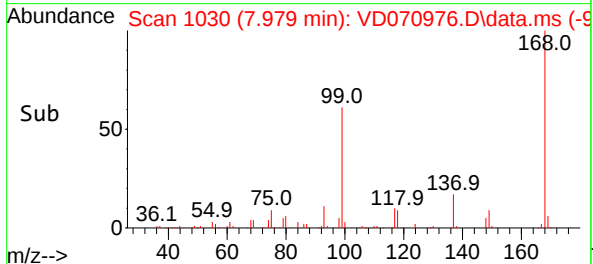
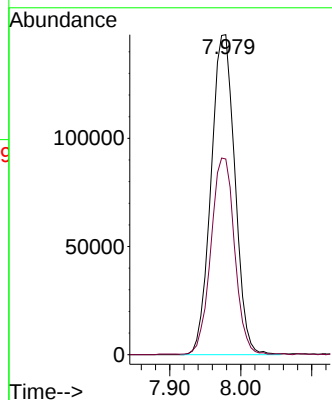


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Instrument :
MSVOA_D
ClientSampleId :

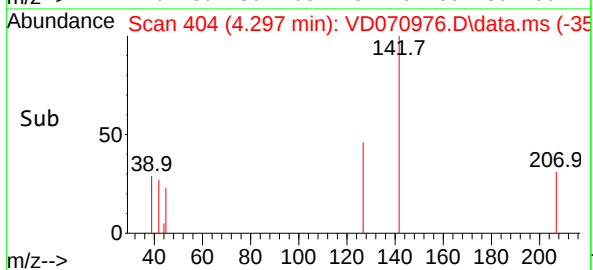
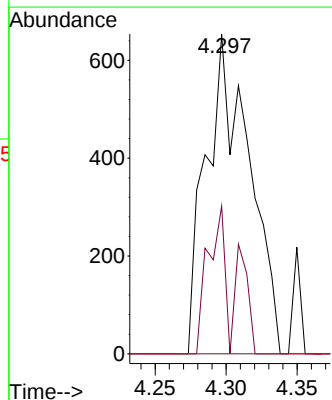
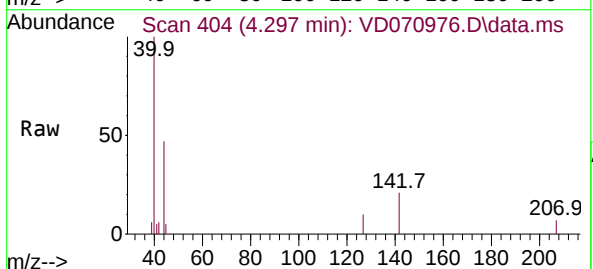


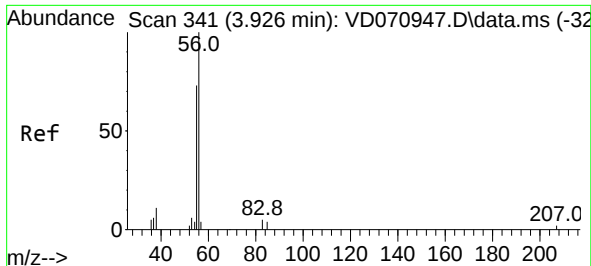
Tgt Ion:168 Resp: 344586
Ion Ratio Lower Upper
168 100
99 61.0 46.6 69.8



#10
Methyl Iodide
Concen: 6.326 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Tgt Ion:142 Resp: 1382
Ion Ratio Lower Upper
142 100
127 18.1 35.0 52.4#
141 0.0 12.0 18.0#

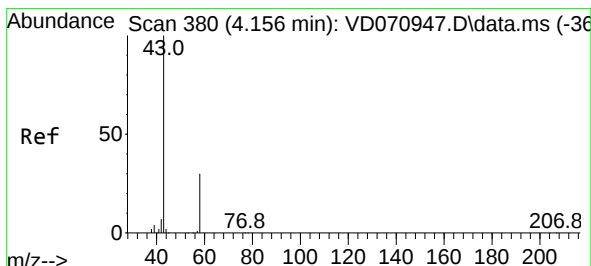
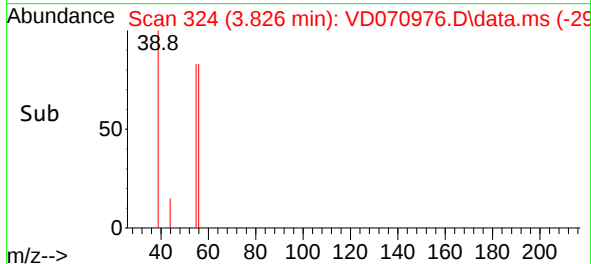
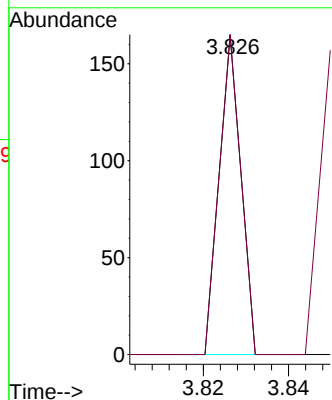
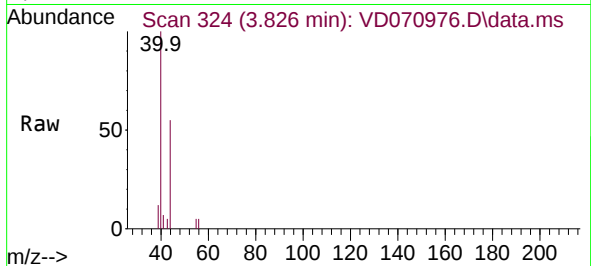




#13
Acrolein
Concen: Below Cal
RT: 3.826 min Scan# 31
Delta R.T. -0.100 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

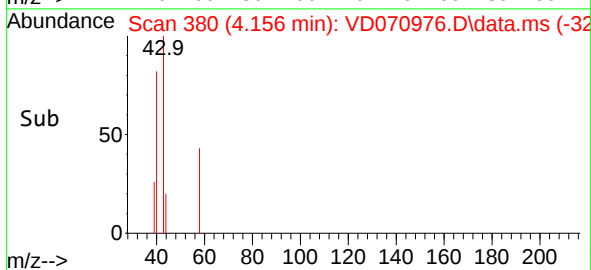
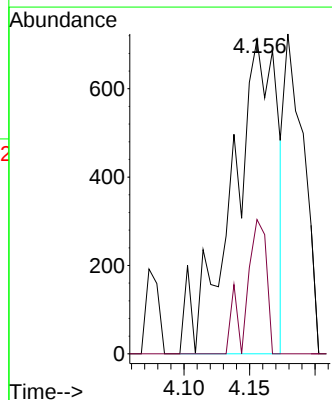
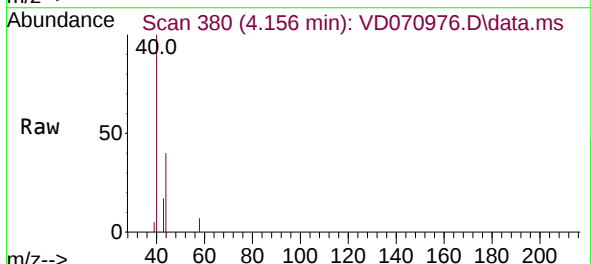
Instrument :
MSVOA_D
ClientSampleId :

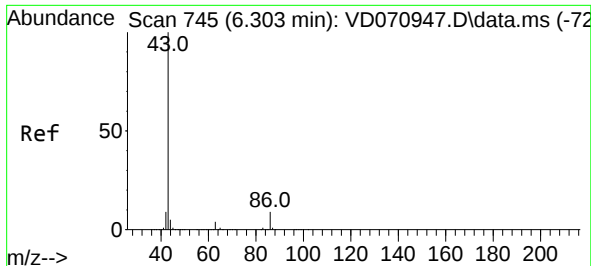
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 100.0 58.6 87.8#



#16
Acetone
Concen: 21.399 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
58 42.8 27.8 41.8#

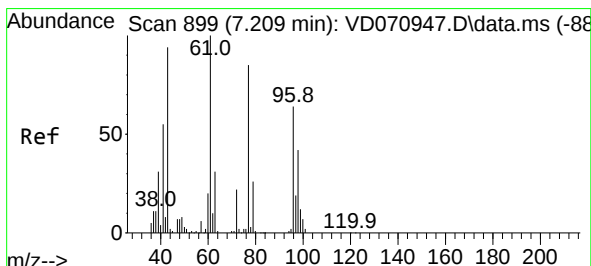
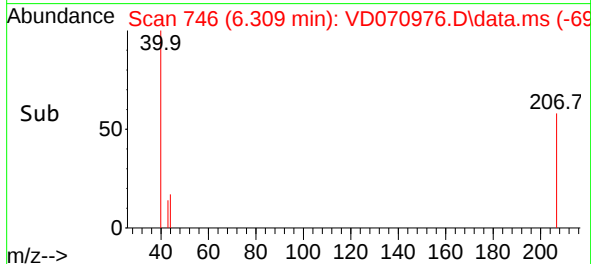
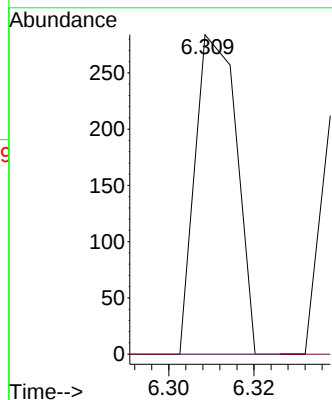
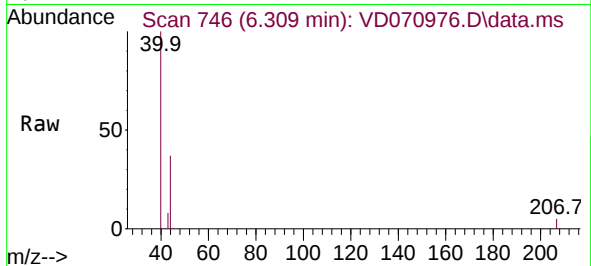




#23
 Vinyl Acetate
 Concen: 21.007 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.006 min
 Lab File: VD070976.D
 Acq: 10 Nov 2021 18:31

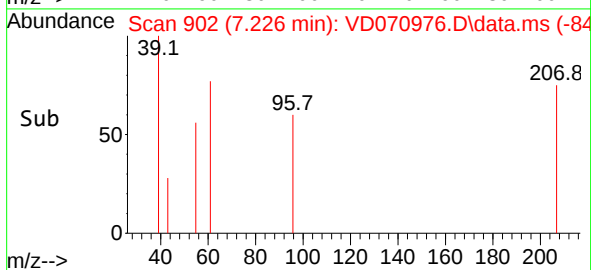
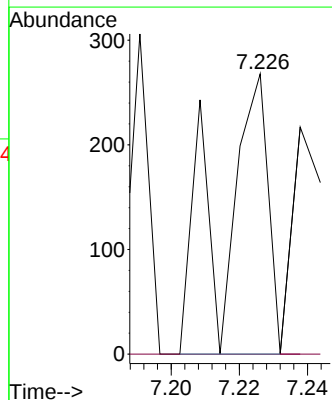
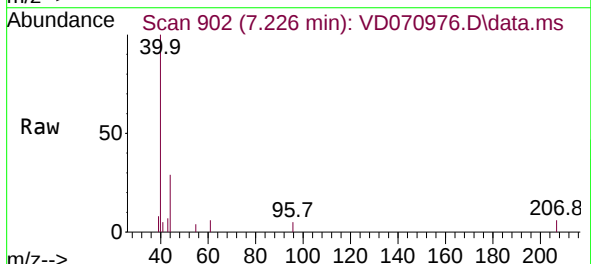
Instrument :
 MSVOA_D
 ClientSampleId :

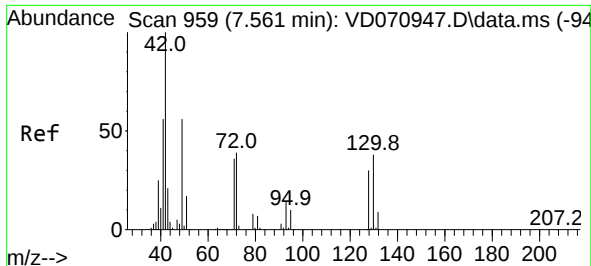
Tgt Ion: 43 Resp: 191
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.547 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.017 min
 Lab File: VD070976.D
 Acq: 10 Nov 2021 18:31

Tgt Ion: 43 Resp: 251
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 2.050 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

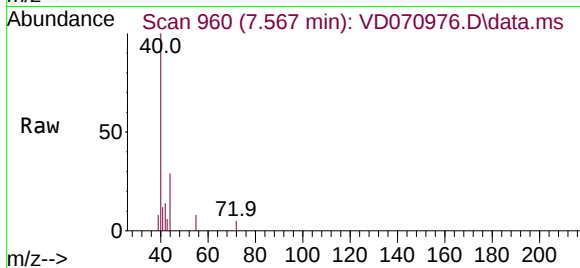
Lab File: VD070976.D

Acq: 10 Nov 2021 18:31

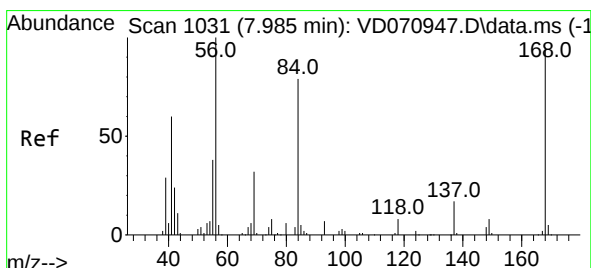
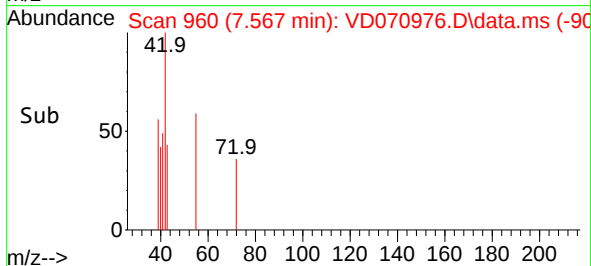
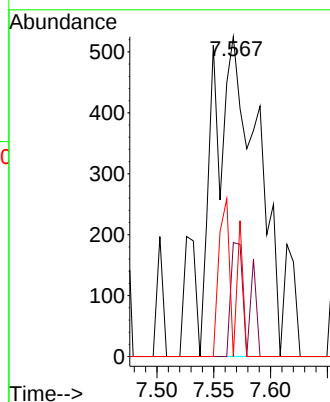
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	1528
Ion	Ratio	Lower	Upper
42	100		
72	12.2	33.7	50.5#
71	15.8	32.7	49.1#



#31

Cyclohexane

Concen: 1.375 ug/l

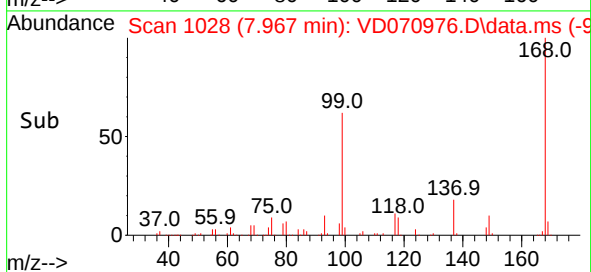
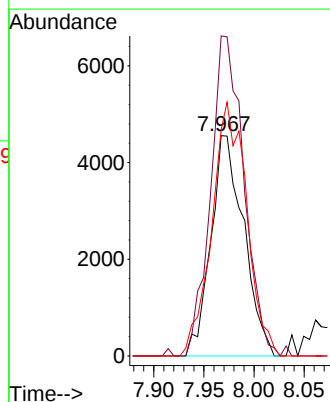
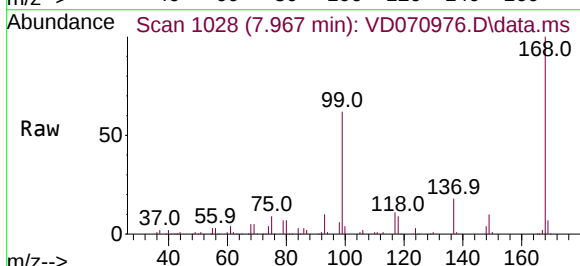
RT: 7.967 min Scan# 1028

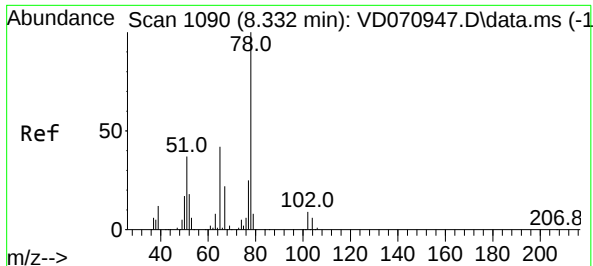
Delta R.T. -0.018 min

Lab File: VD070976.D

Acq: 10 Nov 2021 18:31

Tgt Ion:	56	Resp:	10372
Ion	Ratio	Lower	Upper
56	100		
69	145.2	25.9	38.9#
84	106.7	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 56.460 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD070976.D

Acq: 10 Nov 2021 18:31

Instrument :

MSVOA_D

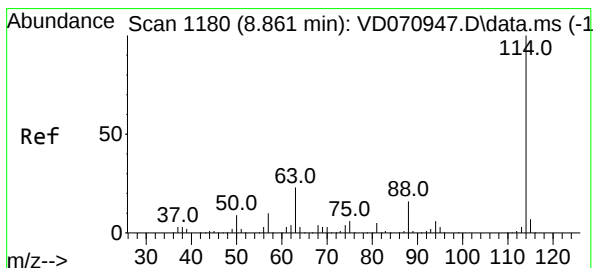
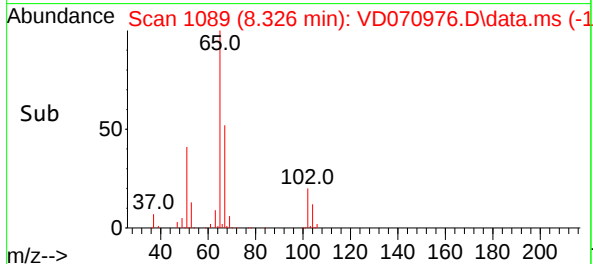
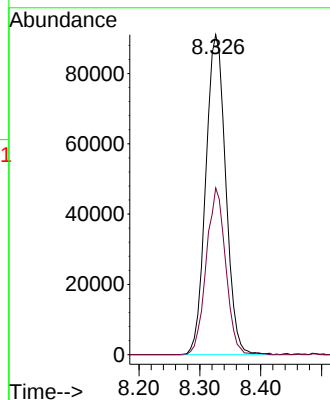
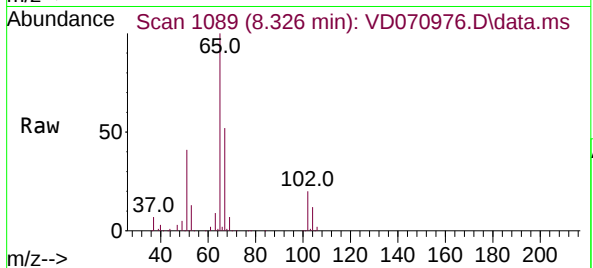
ClientSampleId :

Tgt Ion: 65 Resp: 207142

Ion Ratio Lower Upper

65 100

67 50.6 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: VD070976.D

Acq: 10 Nov 2021 18:31

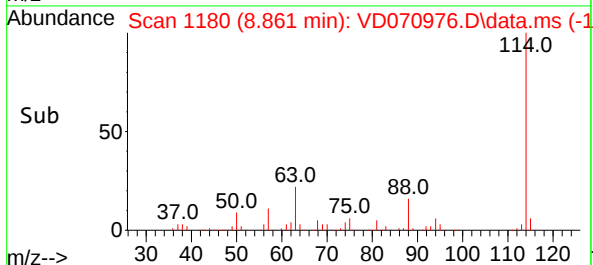
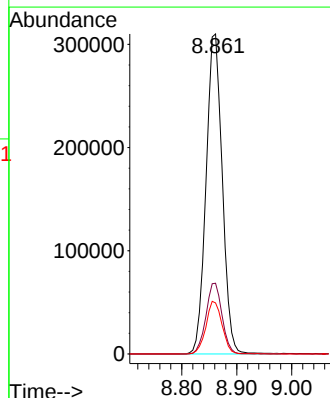
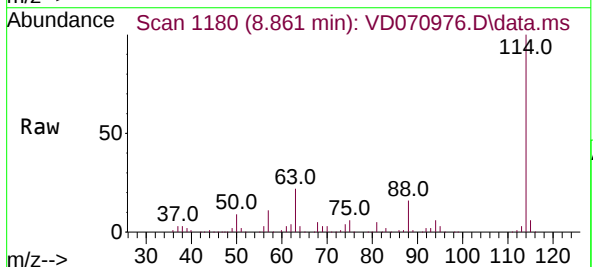
Tgt Ion: 114 Resp: 635624

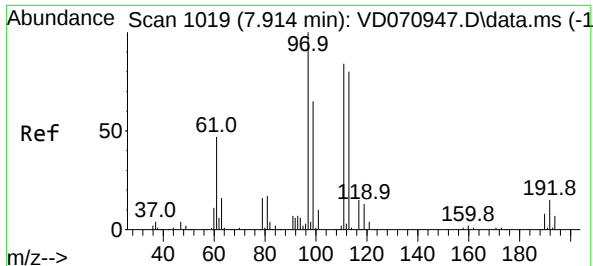
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.406 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

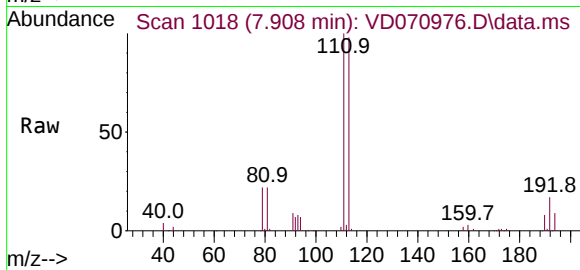
Lab File: VD070976.D

Acq: 10 Nov 2021 18:31

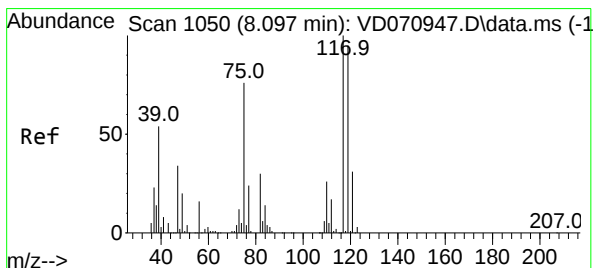
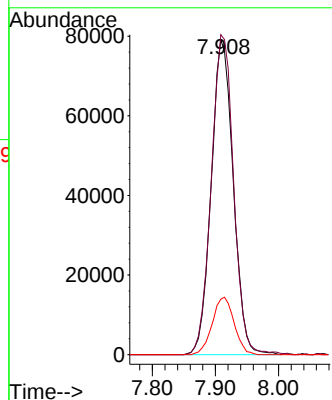
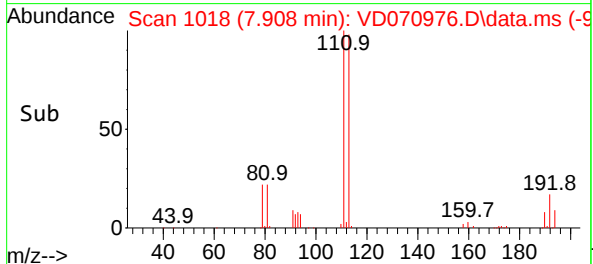
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	191550
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	18.1	15.2	22.8



#38

Carbon Tetrachloride

Concen: 6.802 ug/l

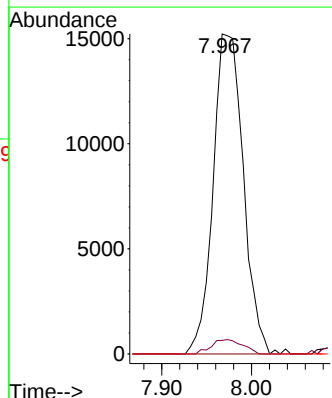
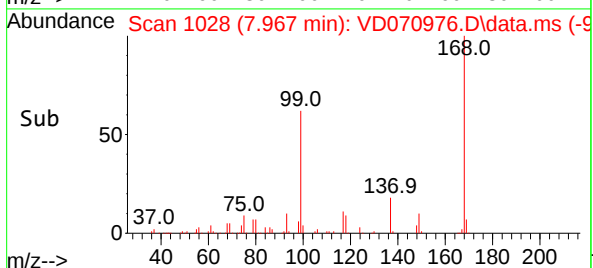
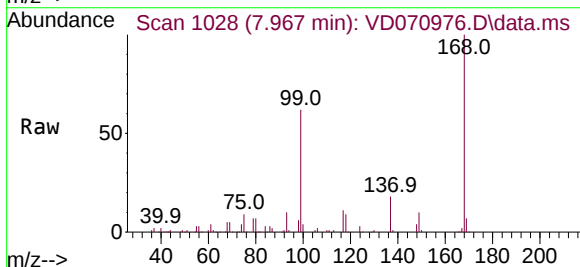
RT: 7.967 min Scan# 1028

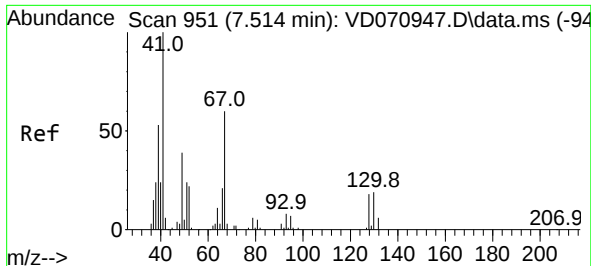
Delta R.T. -0.130 min

Lab File: VD070976.D

Acq: 10 Nov 2021 18:31

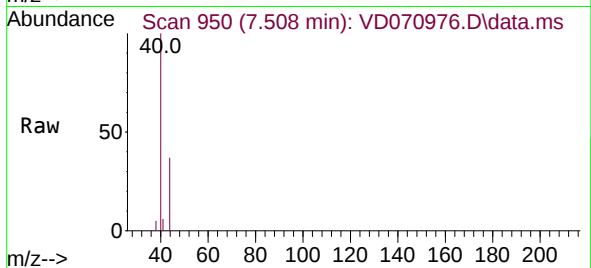
Tgt Ion:	117	Resp:	35549
Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.8	113.6#
121	0.0	23.6	35.4#



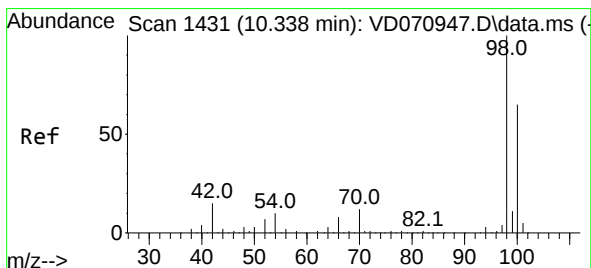
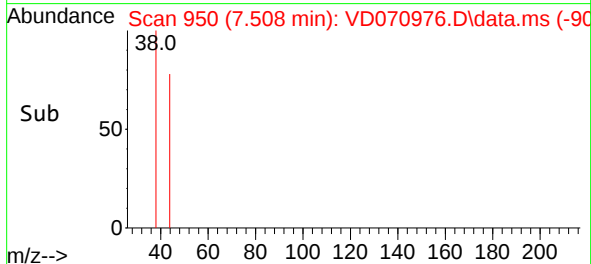
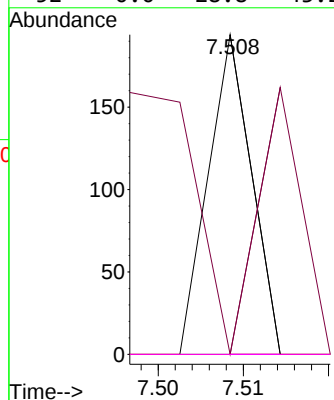


#41
Methacrylonitrile
Concen: 3.539 ug/l
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Instrument :
MSVOA_D
ClientSampleId :

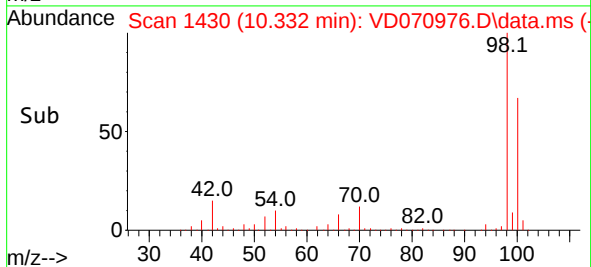
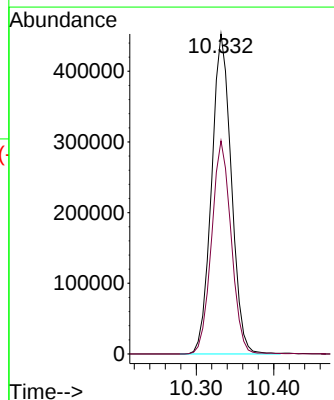
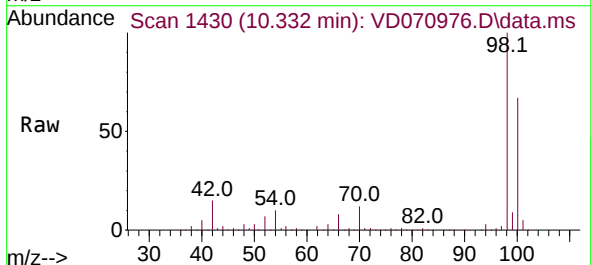


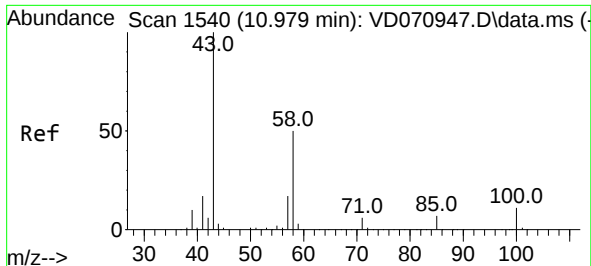
Tgt Ion: 41	Resp: 68
Ion Ratio	Lower Upper
41 100	
39 245.6	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 57.031 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Tgt Ion: 98	Resp: 801081
Ion Ratio	Lower Upper
98 100	
100 65.9	51.8 77.6

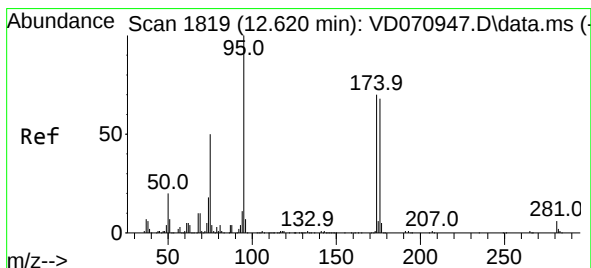
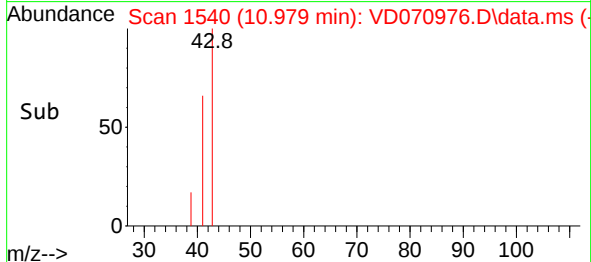
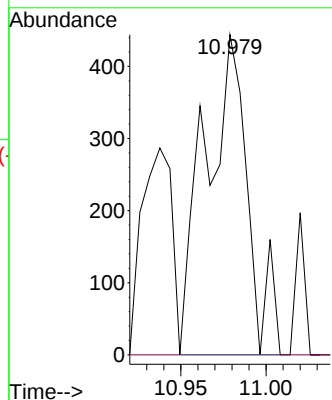
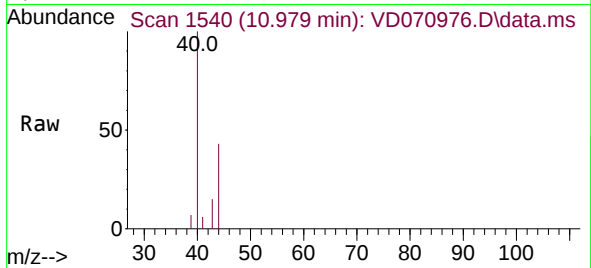




#59
2-Hexanone
Concen: 16.283 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

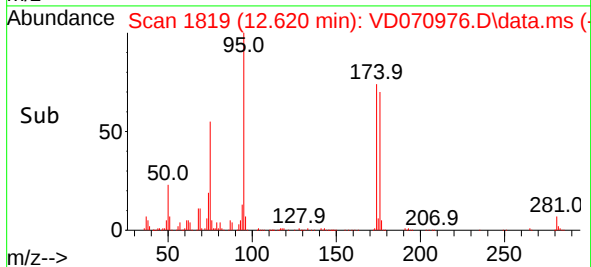
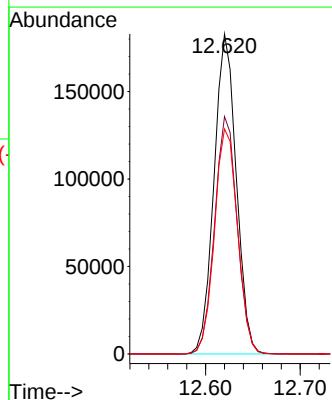
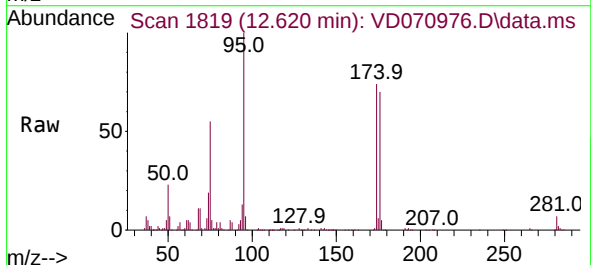
Instrument :
MSVOA_D
ClientSampleId :

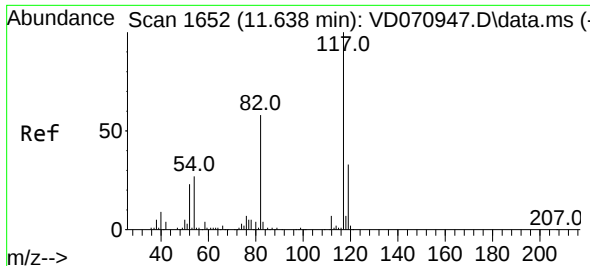
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 59.059 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

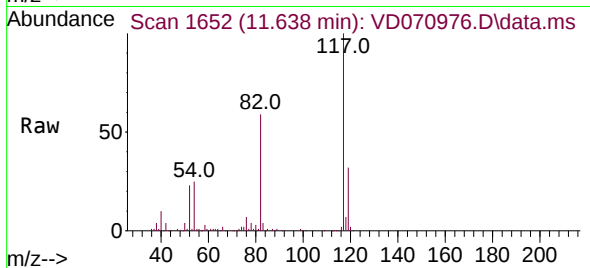
Tgt Ion: 95 Resp: 298691
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 72.7 0.0 154.0



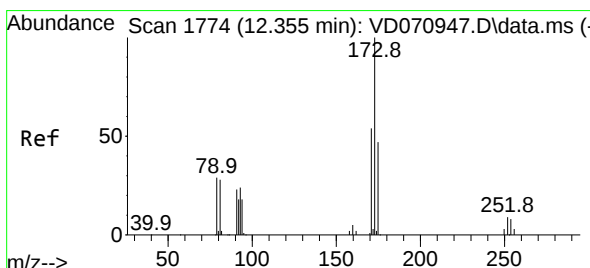
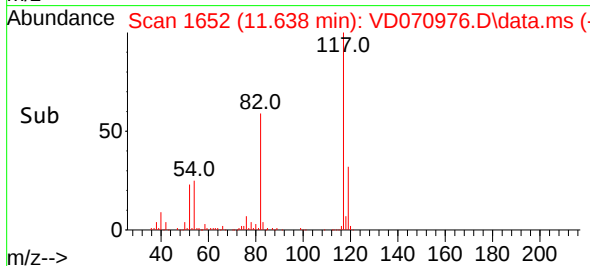
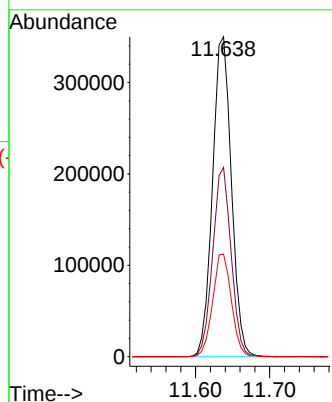


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Instrument :
MSVOA_D
ClientSampleId :

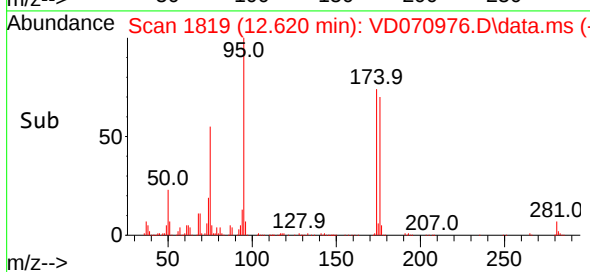
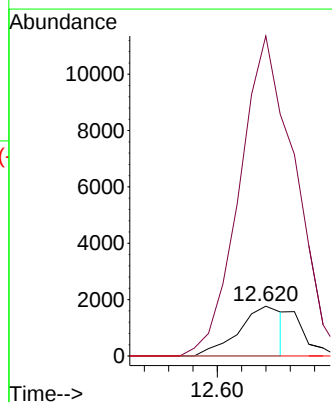
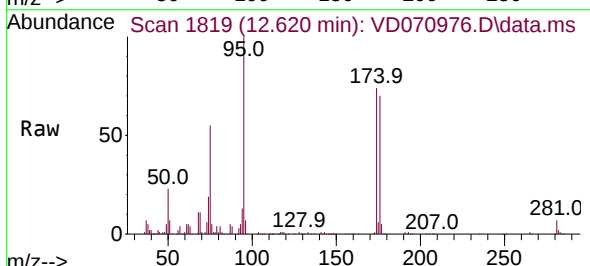


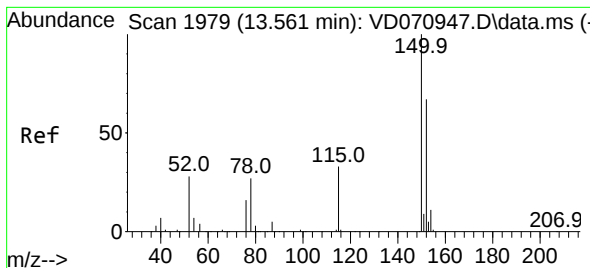
Tgt Ion:117 Resp: 618919
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 32.1 26.2 39.4



#71
Bromoform
Concen: 1.086 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070976.D
Acq: 10 Nov 2021 18:31

Tgt Ion:173 Resp: 2219
Ion Ratio Lower Upper
173 100
175 722.1 24.1 72.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

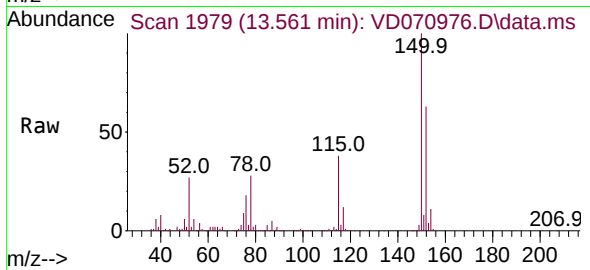
Lab File: VD070976.D

Acq: 10 Nov 2021 18:31

Instrument :

MSVOA_D

ClientSampleId :



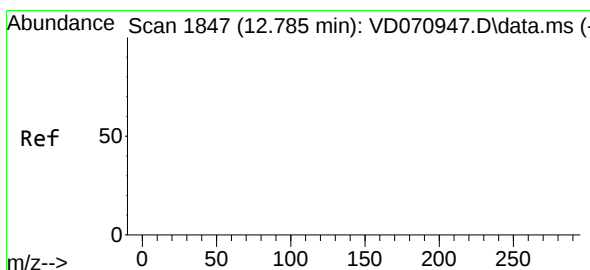
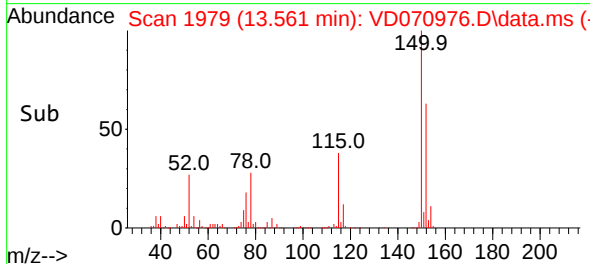
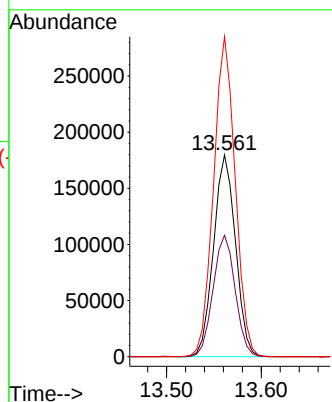
Tgt Ion:152 Resp: 289974

Ion Ratio Lower Upper

152 100

115 60.6 29.8 89.3

150 156.3 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 65.267 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.165 min

Lab File: VD070976.D

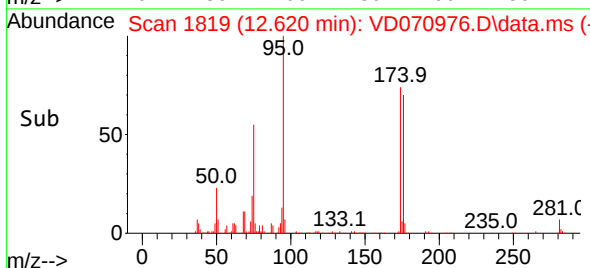
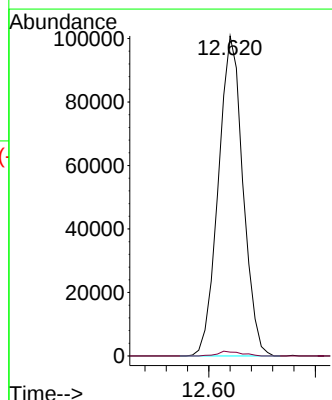
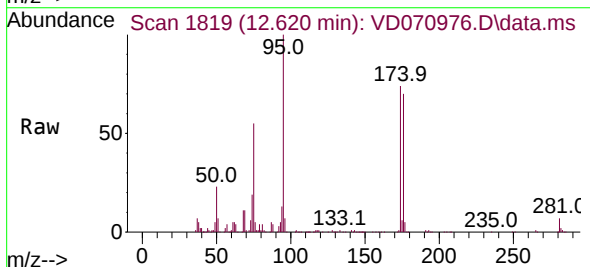
Acq: 10 Nov 2021 18:31

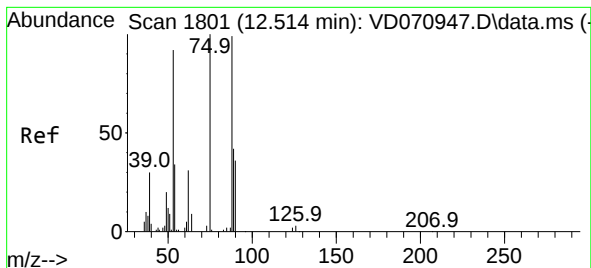
Tgt Ion: 75 Resp: 161664

Ion Ratio Lower Upper

75 100

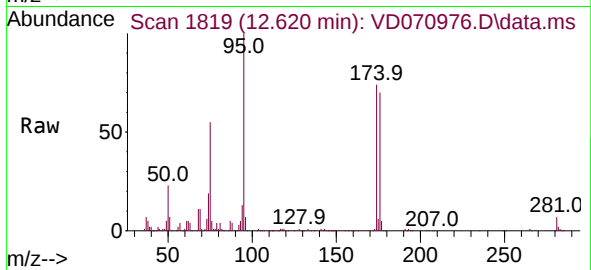
77 1.4 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.644 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070976.D
 Acq: 10 Nov 2021 18:31

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 161664
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

