

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069748.D
 Acq On : 19 Jul 2021 13:29
 Operator : VA/SY
 Sample : M3065-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:11:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

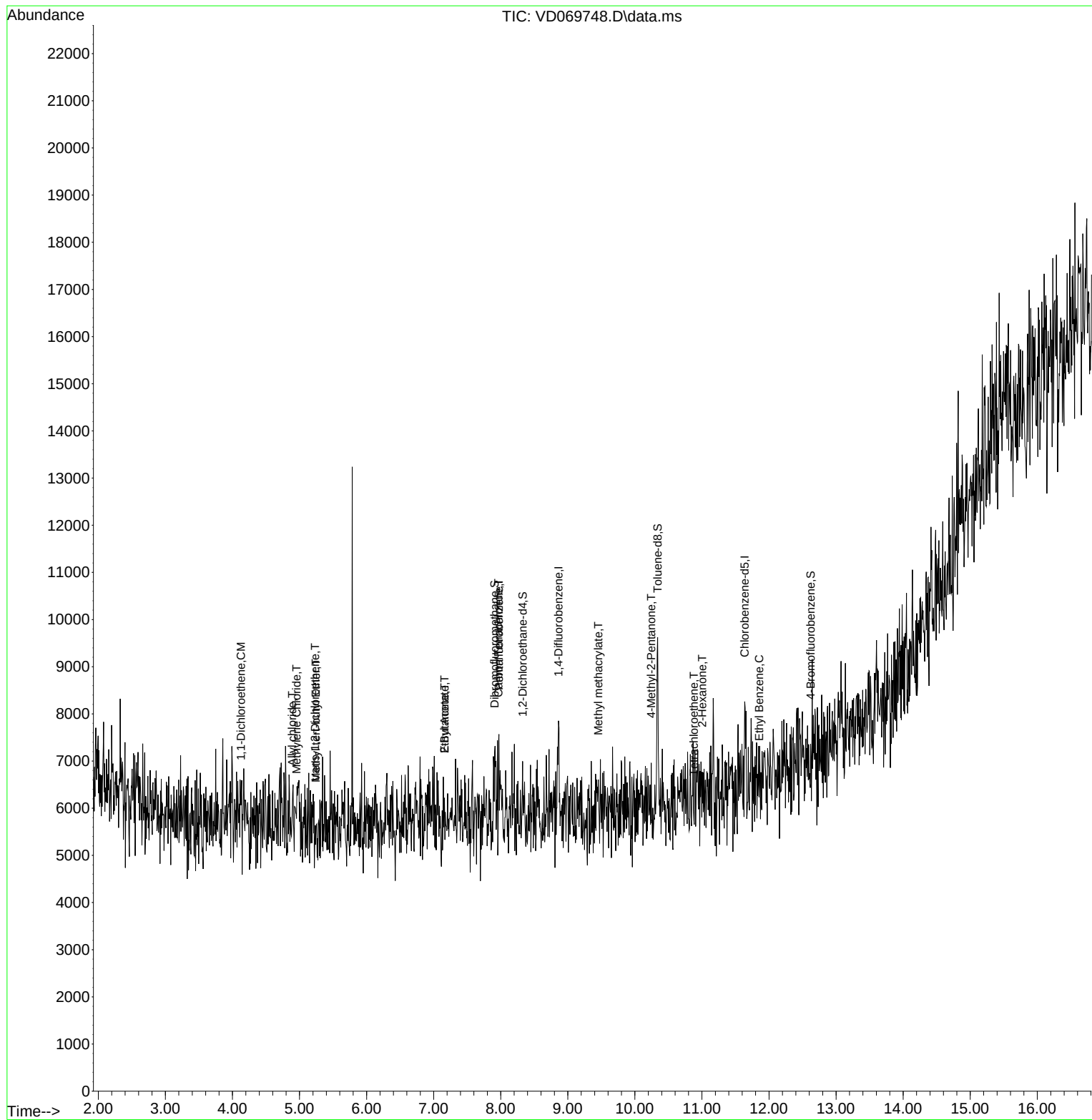
Internal Standards						
1) Pentafluorobenzene	7.973	168	1404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	2107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1542	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	505	28.807	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.620%
35) Dibromofluoromethane	7.909	113	741	52.421	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.840%
50) Toluene-d8	10.338	98	2353	42.847	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.700%
62) 4-Bromofluorobenzene	12.620	95	178	9.719	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.440%#
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.126	96	67	4.376	ug/l #	1
14) Allyl chloride	4.891	41	76	3.212	ug/l #	26
19) Methyl tert-butyl Ether	5.244	73	53	1.635	ug/l #	53
20) Methylene Chloride	4.956	84	171	2.349	ug/l #	7
21) trans-1,2-Dichloroethene	5.232	96	66	3.610	ug/l #	1
25) 2-Butanone	7.162	43	56	13.516	ug/l #	47
37) Ethyl Acetate	7.162	43	56	6.811	ug/l #	67
38) Carbon Tetrachloride	7.967	117	64	3.215	ug/l #	13
48) Methyl methacrylate	9.456	41	70	9.861	ug/l #	13
51) 4-Methyl-2-Pentanone	10.244	43	58	7.438	ug/l #	34
59) 2-Hexanone	11.003	43	77	14.815	ug/l #	22
64) Tetrachloroethene	10.879	164	64	6.797	ug/l #	1
67) Ethyl Benzene	11.855	91	65	1.192	ug/l #	44

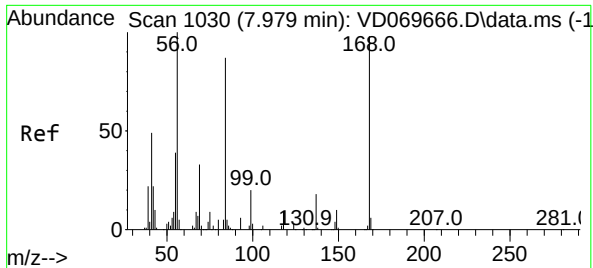
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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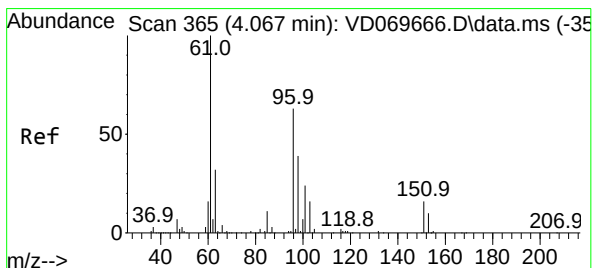
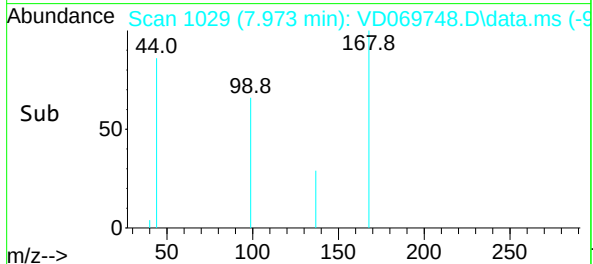
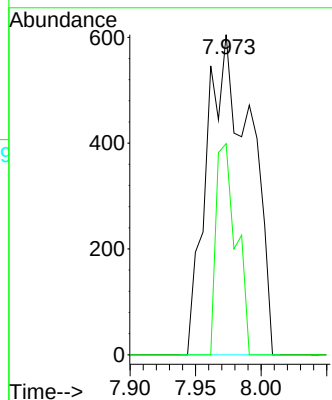
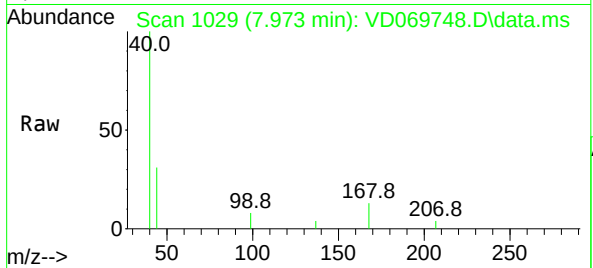




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

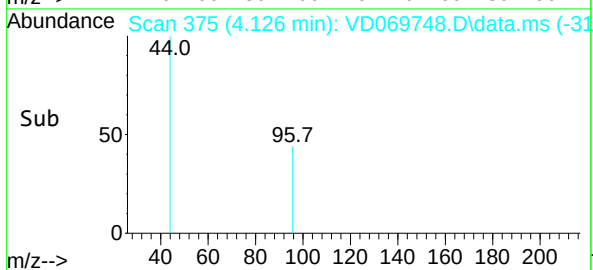
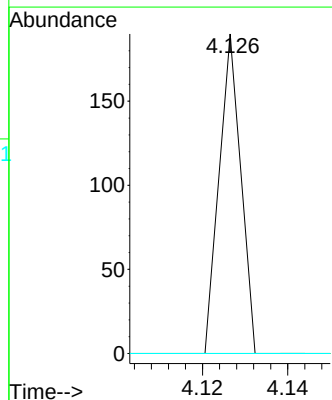
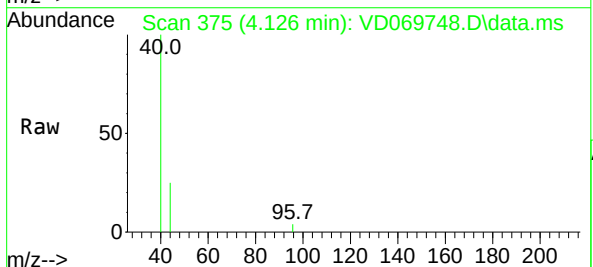
Instrument :
MSVOA_D
ClientSampled :

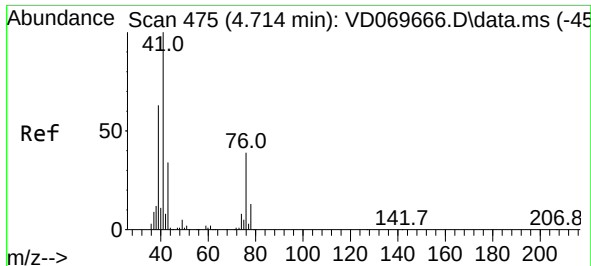
Tgt Ion:168 Resp: 1404
Ion Ratio Lower Upper
168 100
99 66.0 51.8 77.6



#12
1,1-Dichloroethene
Concen: 4.376 ug/l
RT: 4.126 min Scan# 375
Delta R.T. 0.059 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Tgt Ion: 96 Resp: 67
Ion Ratio Lower Upper
96 100
61 0.0 126.4 189.6#
98 0.0 48.9 73.3#





#14

Allyl chloride

Concen: 3.212 ug/l

RT: 4.891 min Scan# 505

Delta R.T. 0.177 min

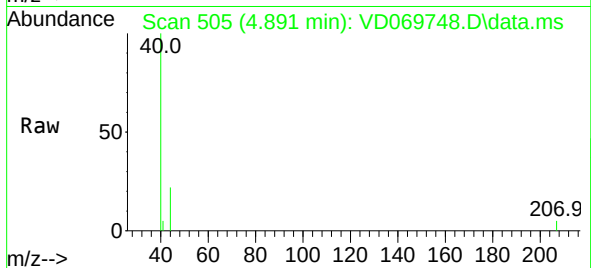
Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

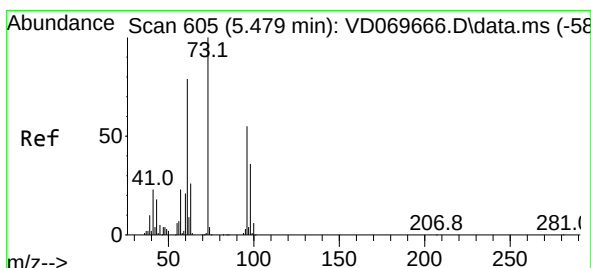
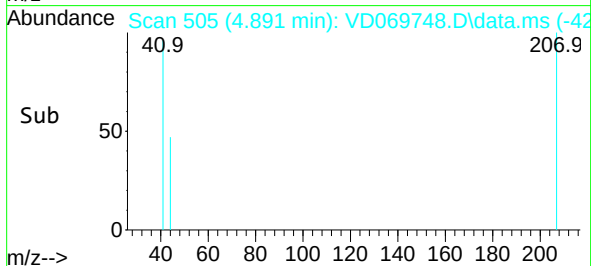
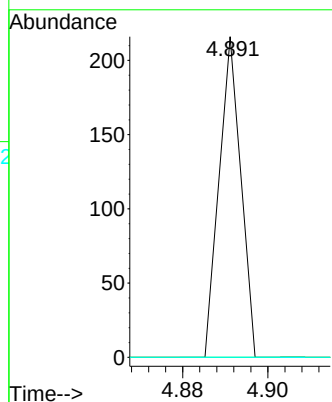
Instrument :

MSVOA_D

ClientSampled :



Tgt Ion:	41	Resp:	76
Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.4	74.2#
76	0.0	30.7	46.1#



#19

Methyl tert-butyl Ether

Concen: 1.635 ug/l

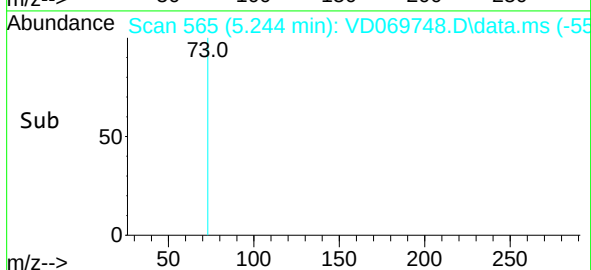
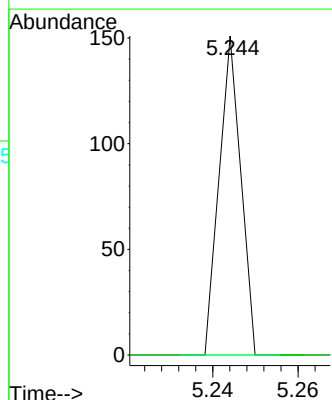
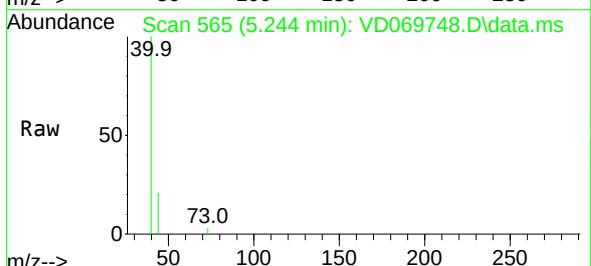
RT: 5.244 min Scan# 565

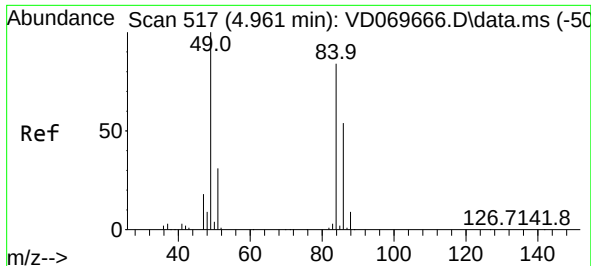
Delta R.T. -0.235 min

Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

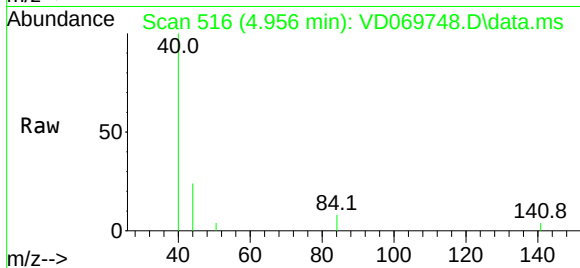
Tgt Ion:	73	Resp:	53
Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.2	27.2#



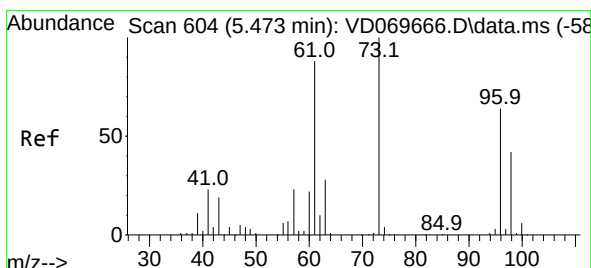
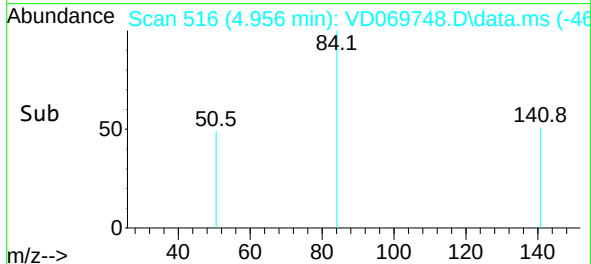
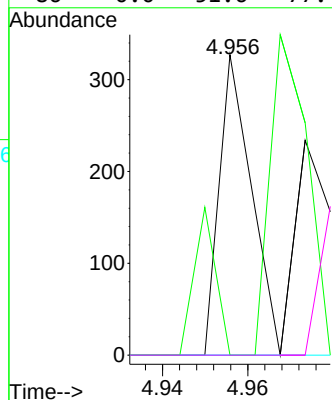


#20
Methylene Chloride
Concen: 2.349 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Instrument :
MSVOA_D
ClientSampled :

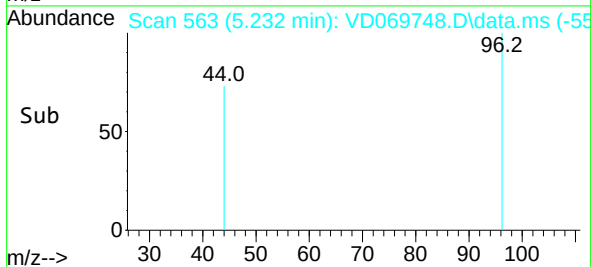
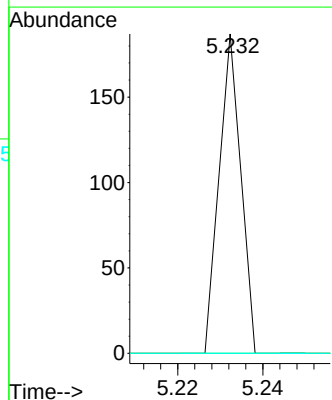
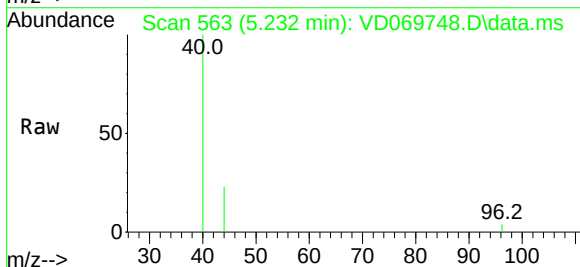


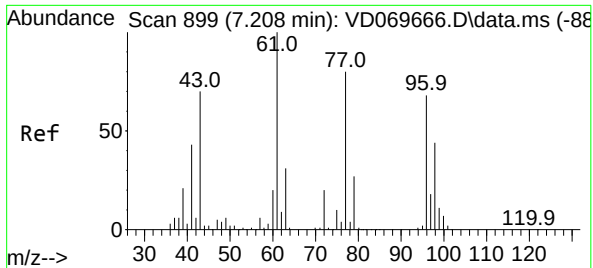
Tgt Ion:	84	Resp:	171
Ion	Ratio	Lower	Upper
84	100		
49	0.0	95.5	143.3#
51	0.0	29.7	44.5#
86	0.0	51.6	77.4#



#21
trans-1,2-Dichloroethene
Concen: 3.610 ug/l
RT: 5.232 min Scan# 563
Delta R.T. -0.241 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Tgt Ion:	96	Resp:	66
Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.9	166.3#
98	0.0	52.2	78.2#

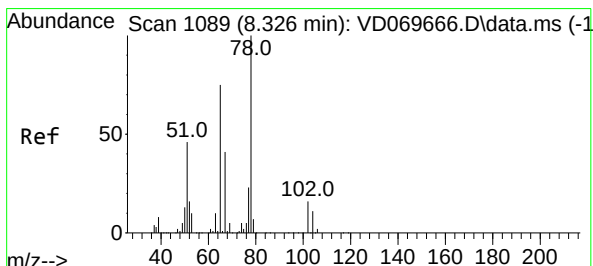
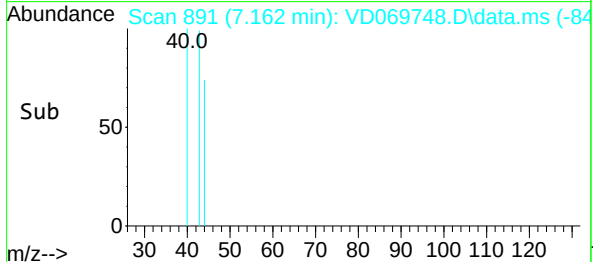
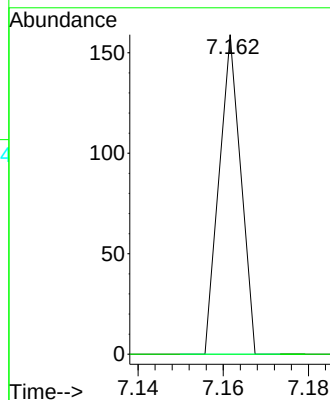
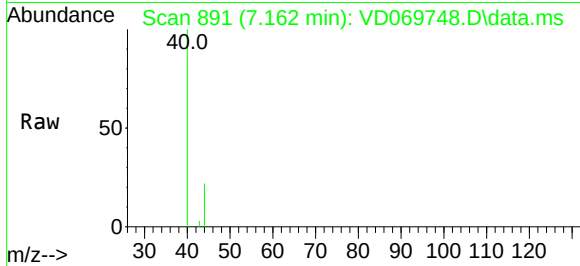




#25
2-Butanone
Concen: 13.516 ug/l
RT: 7.162 min Scan# 891
Delta R.T. -0.046 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

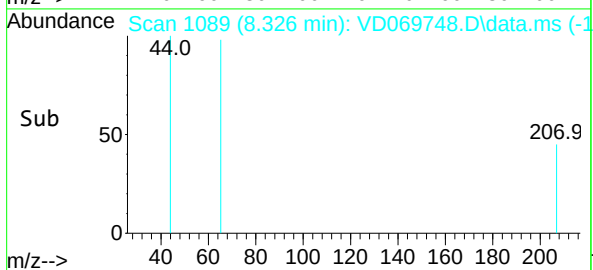
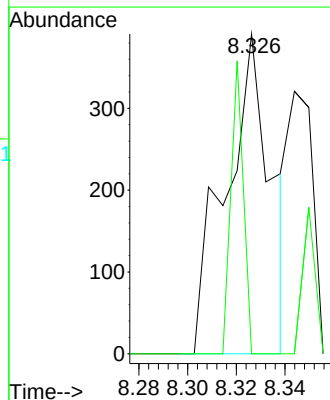
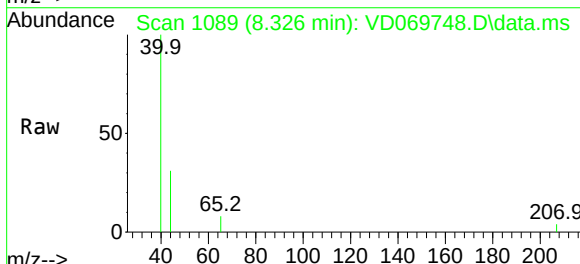
Instrument :
MSVOA_D
ClientSampled :

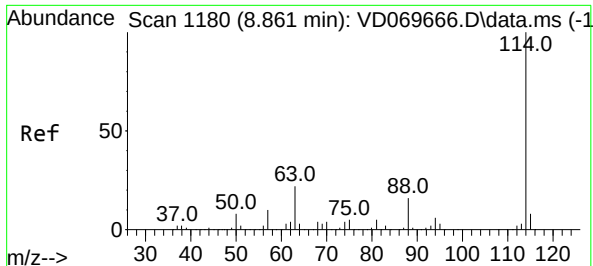
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#33
1,2-Dichloroethane-d4
Concen: 28.807 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Tgt Ion: 65 Resp: 505
Ion Ratio Lower Upper
65 100
67 25.0 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

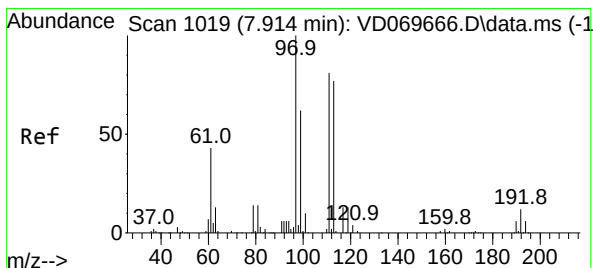
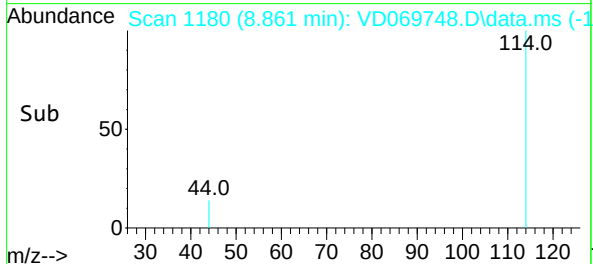
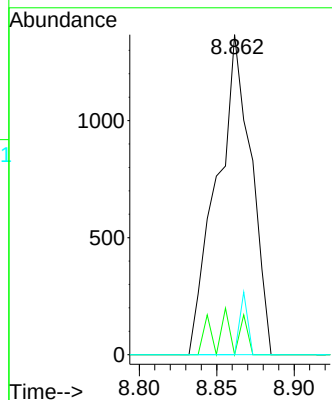
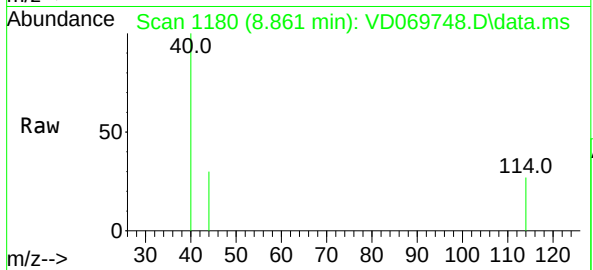
Delta R.T. 0.000 min

Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

Tgt Ion:	114	Resp:	2107
Ion Ratio	Lower	Upper	
114	100		
63	0.0	0.0	43.4
88	0.0	0.0	32.0

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 52.421 ug/l

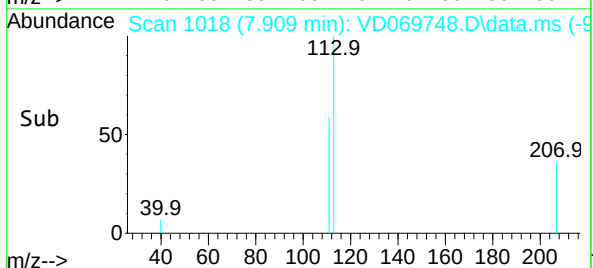
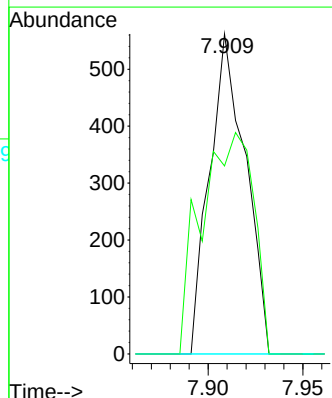
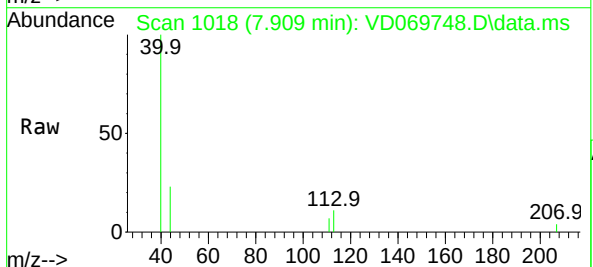
RT: 7.909 min Scan# 1018

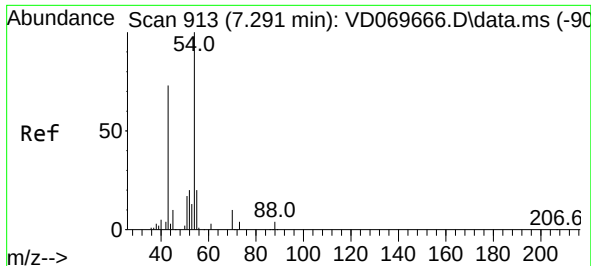
Delta R.T. -0.005 min

Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

Tgt Ion:	113	Resp:	741
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.6	123.8
192	0.0	12.7	19.1#





#37

Ethyl Acetate

Concen: 6.811 ug/l

RT: 7.162 min Scan# 891

Delta R.T. -0.129 min

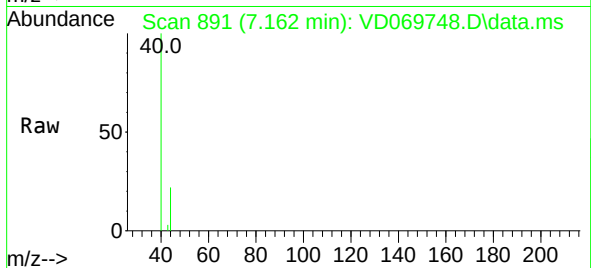
Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :



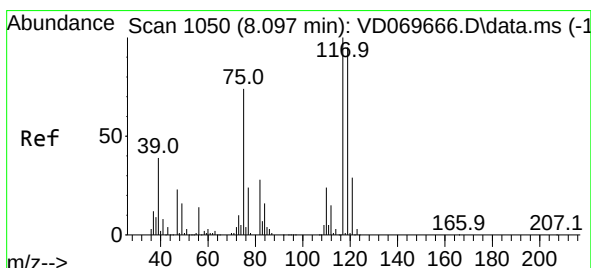
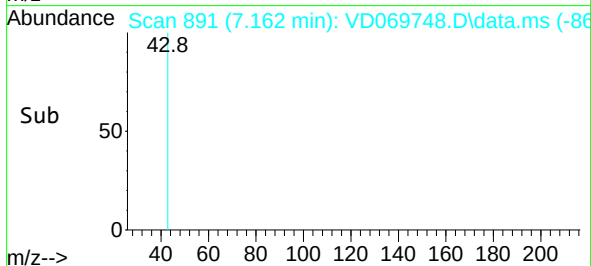
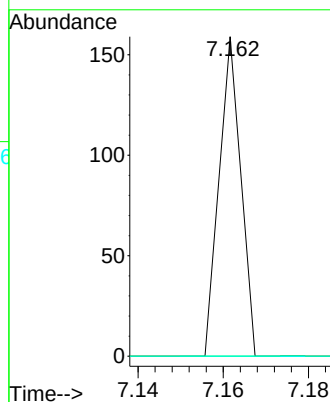
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 3.215 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

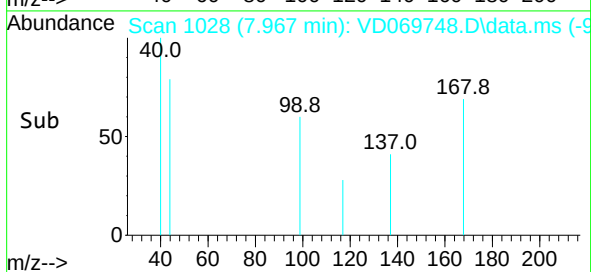
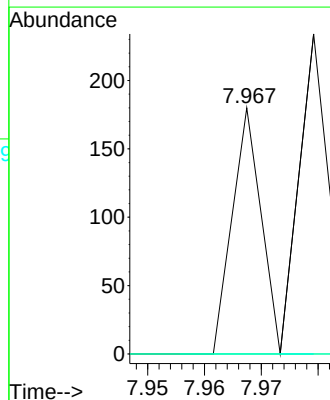
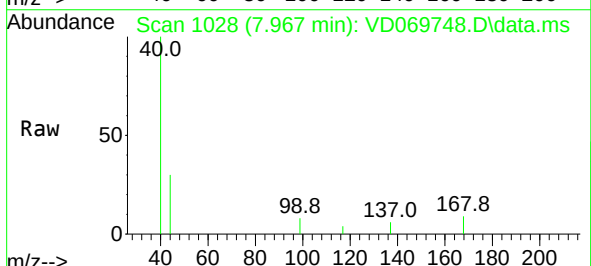
Tgt Ion: 117 Resp: 64

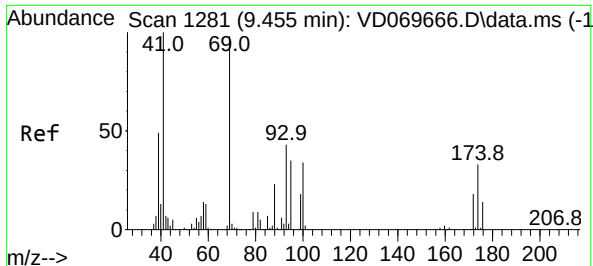
Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

121 0.0 23.0 34.6#





#48

Methyl methacrylate

Concen: 9.861 ug/l

RT: 9.456 min Scan# 1281

Delta R.T. 0.001 min

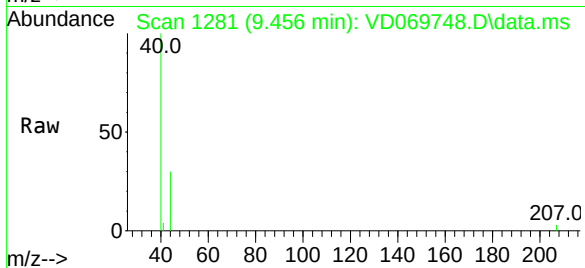
Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

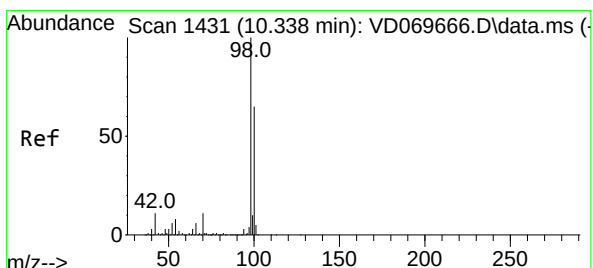
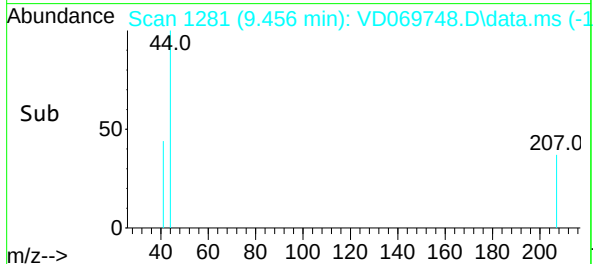
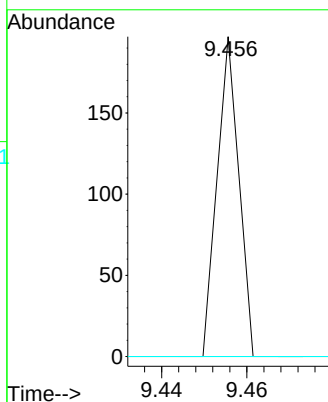
Instrument :

MSVOA_D

ClientSampled :



Tgt Ion:	41	Resp:	70
Ion Ratio	Lower	Upper	
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#



#50

Toluene-d8

Concen: 42.847 ug/l

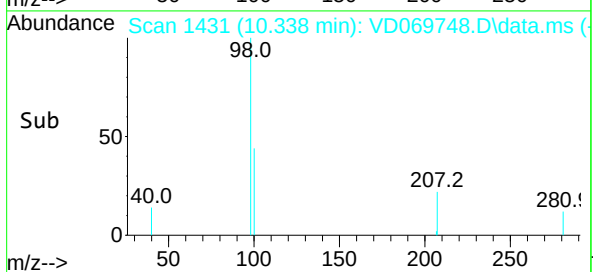
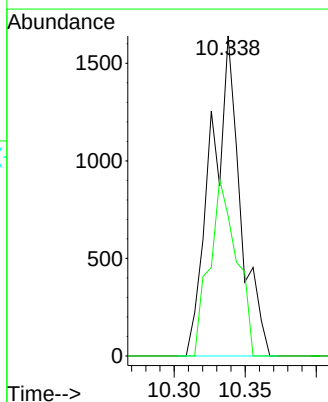
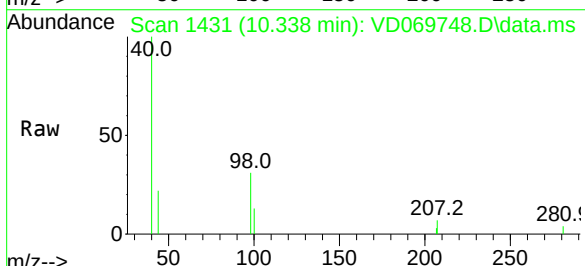
RT: 10.338 min Scan# 1431

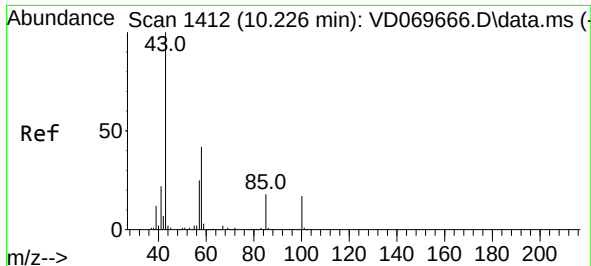
Delta R.T. -0.000 min

Lab File: VD069748.D

Acq: 19 Jul 2021 13:29

Tgt Ion:	98	Resp:	2353
Ion Ratio	Lower	Upper	
98	100		
100	51.0	52.2	78.2#

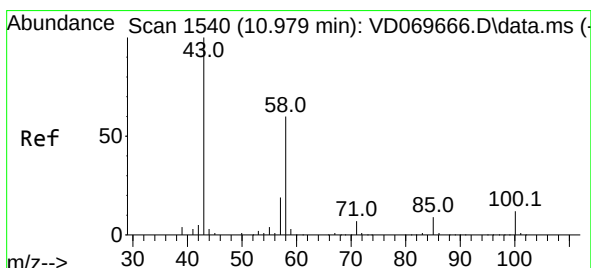
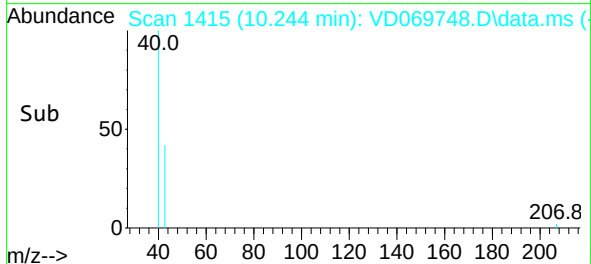
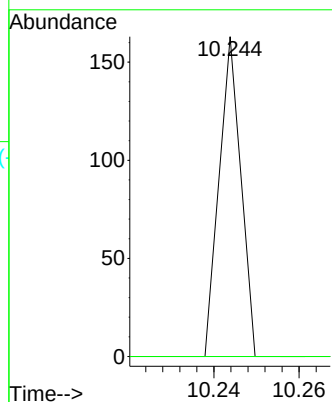
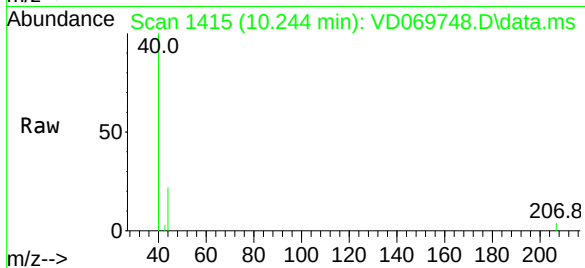




#51
4-Methyl-2-Pentanone
Concen: 7.438 ug/l
RT: 10.244 min Scan# 1415
Delta R.T. 0.018 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

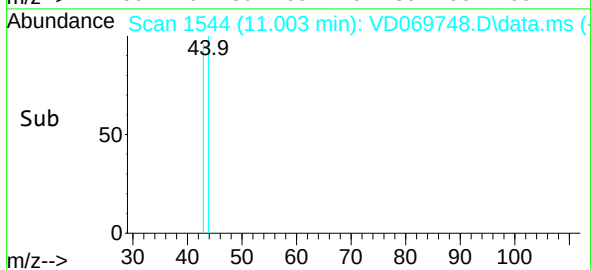
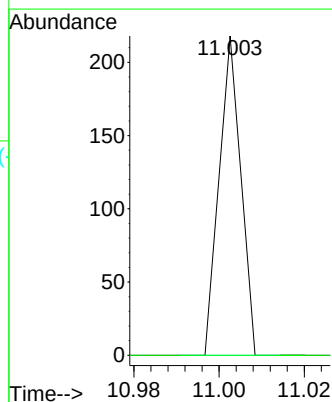
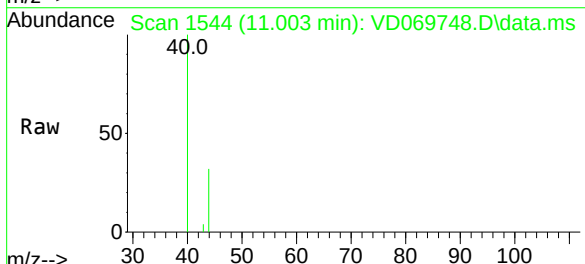
Instrument :
MSVOA_D
ClientSampled :

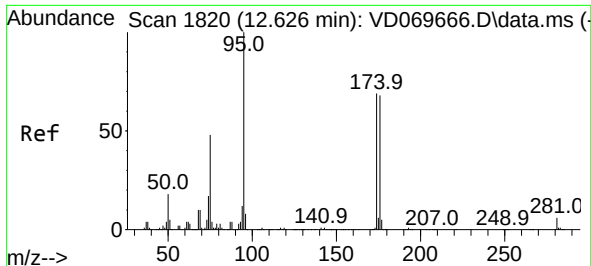
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#59
2-Hexanone
Concen: 14.815 ug/l
RT: 11.003 min Scan# 1544
Delta R.T. 0.024 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#

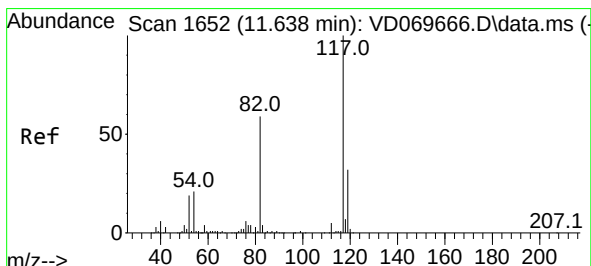
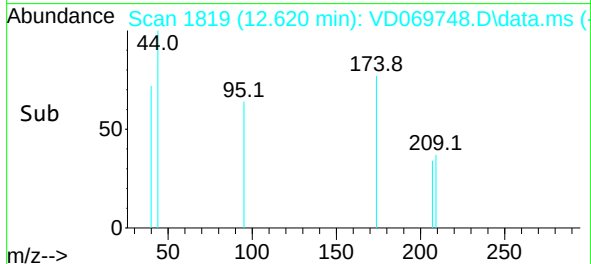
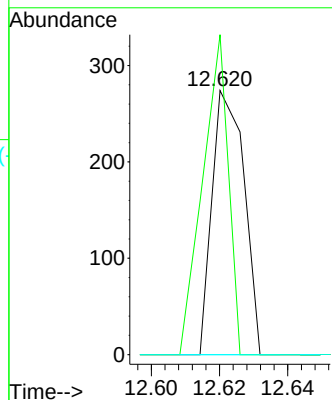
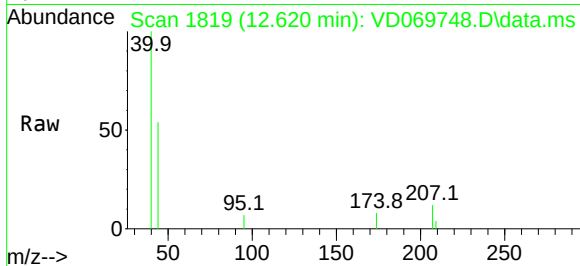




#62
4-Bromofluorobenzene
Concen: 9.719 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

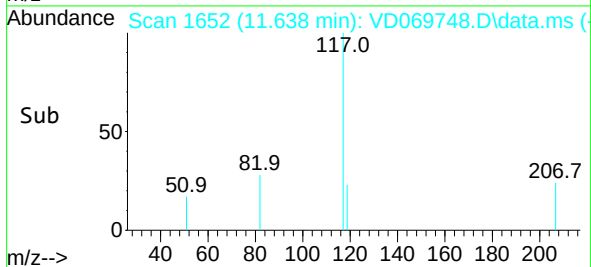
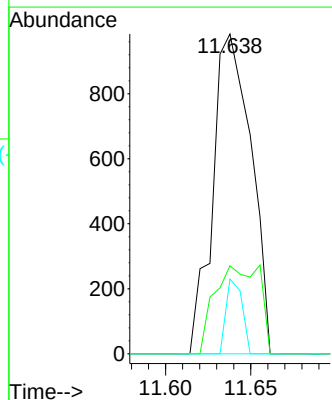
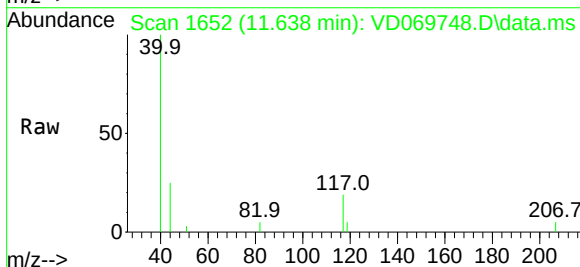
Instrument :
MSVOA_D
ClientSampleId :

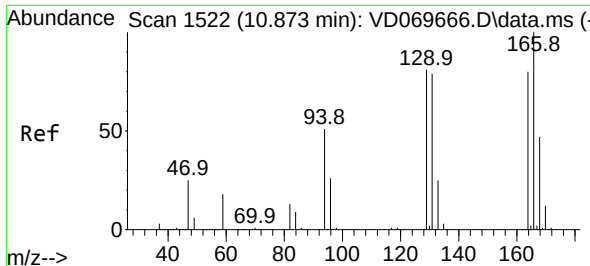
Tgt Ion: 95 Resp: 178
Ion Ratio Lower Upper
95 100
174 97.2 0.0 140.0
176 0.0 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Tgt Ion: 117 Resp: 1542
Ion Ratio Lower Upper
117 100
82 27.5 47.4 71.2#
119 23.4 25.5 38.3#

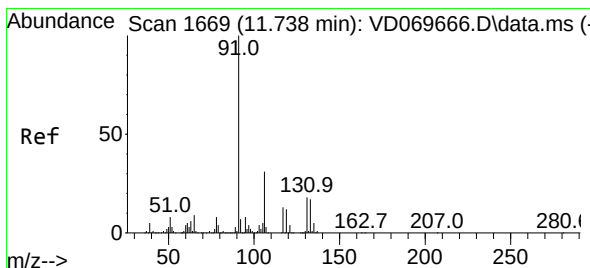
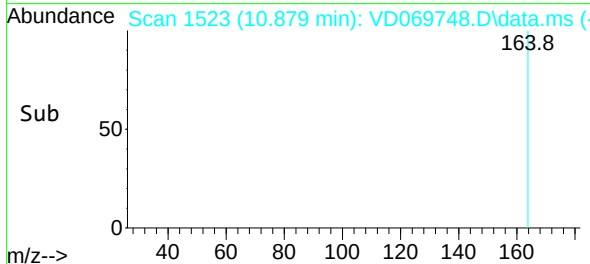
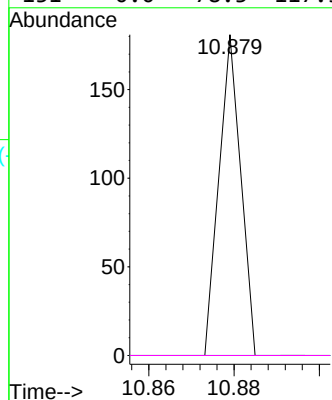
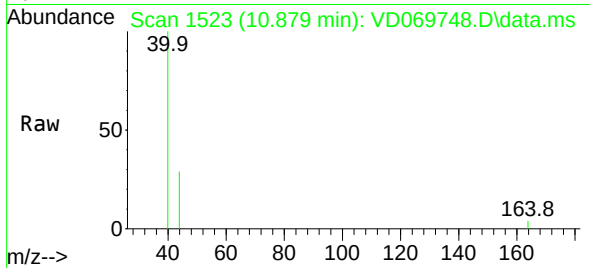




#64
Tetrachloroethene
Concen: 6.797 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

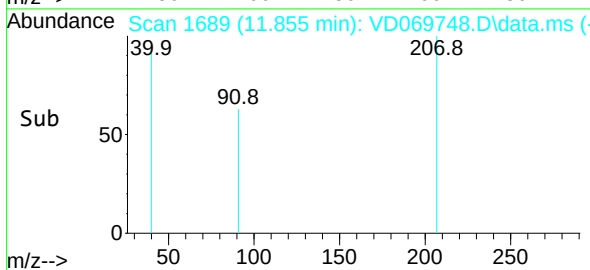
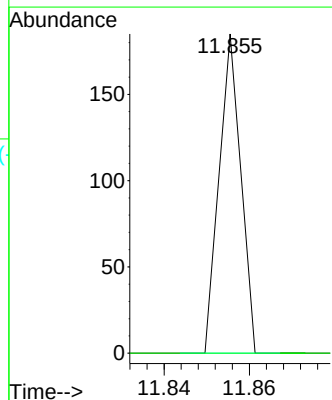
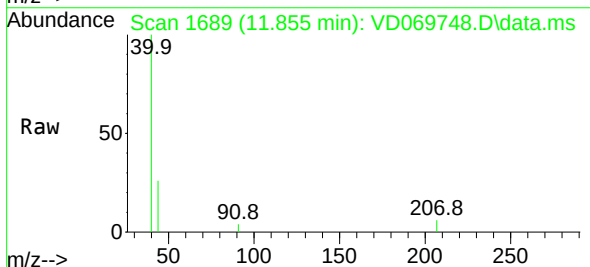
Instrument :
MSVOA_D
ClientSampled :

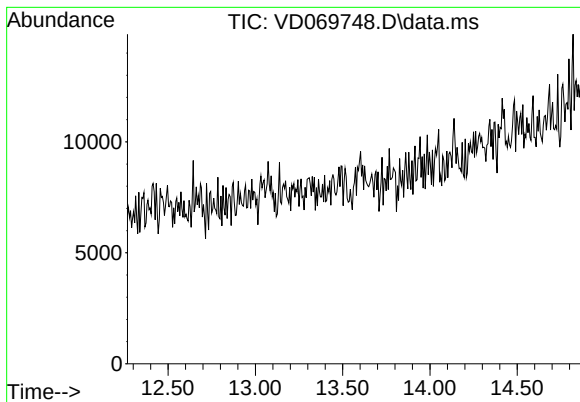
Tgt Ion:164	Resp:	64
Ion	Ratio	Lower Upper
164	100	
166	0.0	99.6 149.4#
129	0.0	80.8 121.2#
131	0.0	78.3 117.5#



#67
Ethyl Benzene
Concen: 1.192 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.117 min
Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Tgt Ion: 91	Resp:	65
Ion	Ratio	Lower Upper
91	100	
106	0.0	24.6 37.0#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.57 min

Lab File: VD069748.D
Acq: 19 Jul 2021 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 152
Sig Exp Ratio
152 100
115 63.4
150 175.2

