

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069750.D
 Acq On : 19 Jul 2021 14:27
 Operator : VA/SY
 Sample : M3069-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:12:16 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)

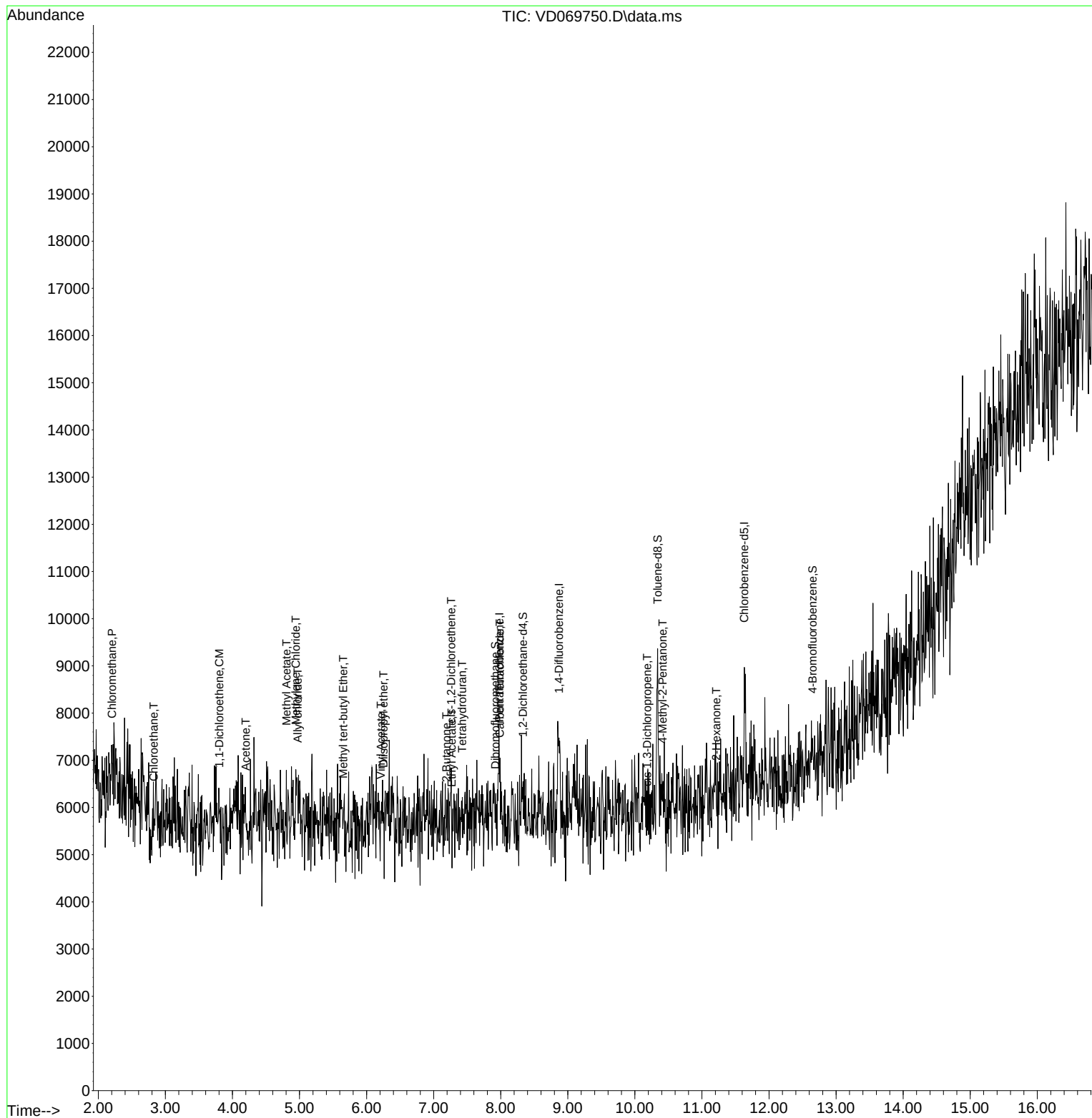
Internal Standards						
1) Pentafluorobenzene	7.979	168	1346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	1579	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	689	40.996	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.000%
35) Dibromofluoromethane	7.920	113	899	117.033	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	234.060%#
50) Toluene-d8	10.338	98	3116	104.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	208.820%#
62) 4-Bromofluorobenzene	12.649	95	86	8.641	ug/l	0.02
Spiked Amount	50.000	Range	25 - 144	Recovery	=	17.280%#
Target Compounds						Qvalue
3) Chloromethane	2.203	50	73	3.572	ug/l #	42
6) Chloroethane	2.826	64	67	5.114	ug/l #	43
12) 1,1-Dichloroethene	3.803	96	106	7.221	ug/l #	1
14) Allyl chloride	4.973	41	53	2.337	ug/l #	26
16) Acetone	4.197	43	79	33.402	ug/l #	39
18) Methyl Acetate	4.803	43	63	1.763	ug/l #	49
19) Methyl tert-butyl Ether	5.650	73	57	1.834	ug/l #	53
20) Methylene Chloride	4.944	84	487	16.884	ug/l #	27
22) Diisopropyl ether	6.250	45	77	1.638	ug/l #	38
23) Vinyl Acetate	6.215	43	73	18.016	ug/l #	72
25) 2-Butanone	7.191	43	70	17.623	ug/l #	47
27) cis-1,2-Dichloroethene	7.261	96	142	7.509	ug/l #	1
29) Tetrahydrofuran	7.426	42	60	24.380	ug/l #	32
37) Ethyl Acetate	7.267	43	76	17.009	ug/l #	67
38) Carbon Tetrachloride	7.985	117	156	14.422	ug/l #	13
51) 4-Methyl-2-Pentanone	10.414	43	59	13.924	ug/l #	34
54) cis-1,3-Dichloropropene	10.185	75	64	5.352	ug/l #	39
59) 2-Hexanone	11.214	43	59	20.890	ug/l #	22

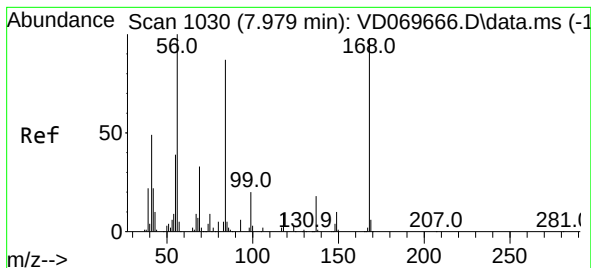
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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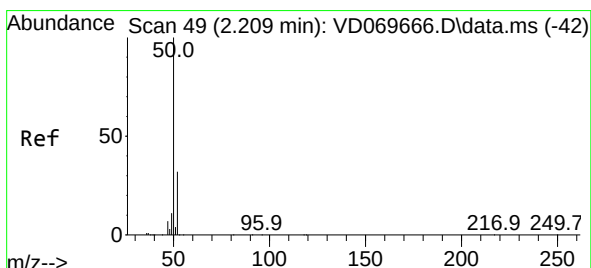
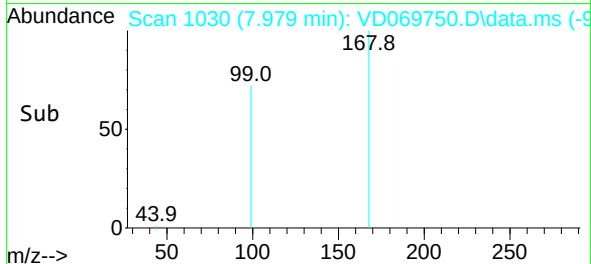
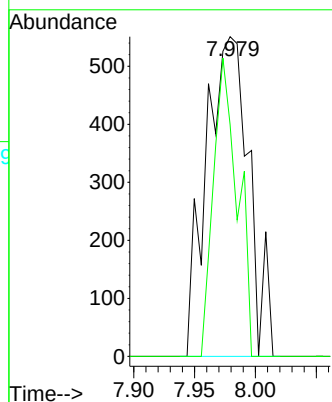
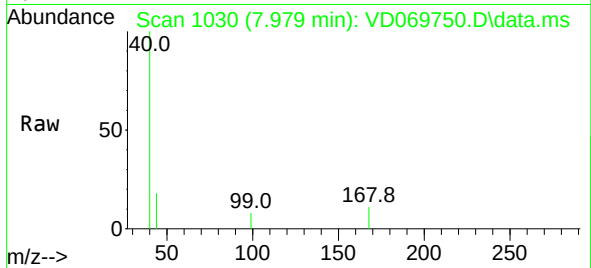




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

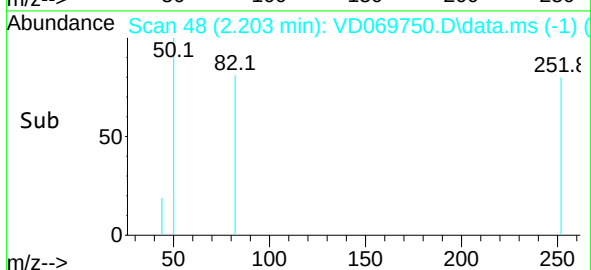
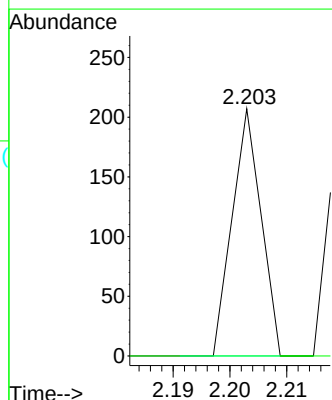
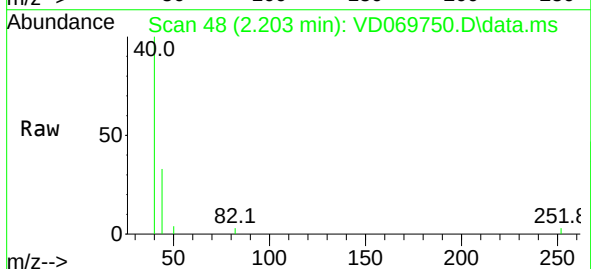
Instrument :
MSVOA_D
ClientSampled :

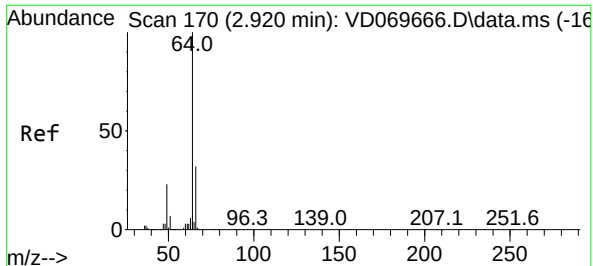
Tgt Ion:168 Resp: 1346
Ion Ratio Lower Upper
168 100
99 72.4 51.8 77.6



#3
Chloromethane
Concen: 3.572 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Tgt Ion: 50 Resp: 73
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

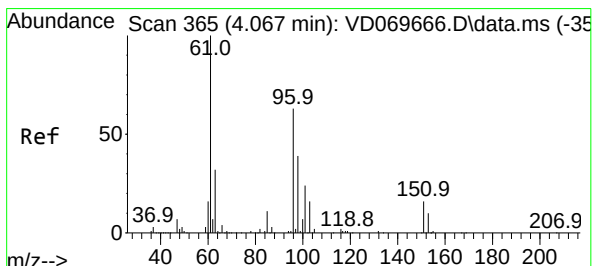
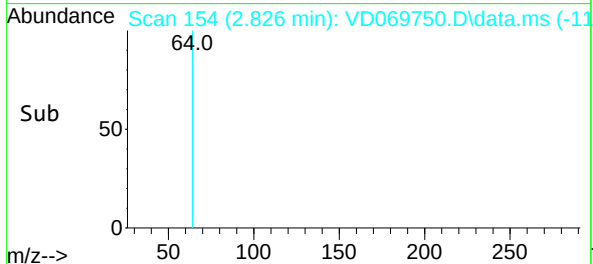
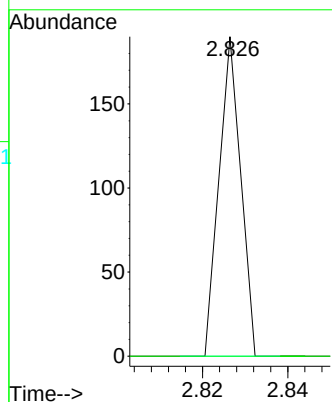
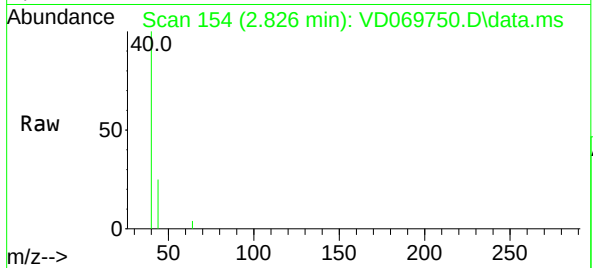




#6
Chloroethane
Concen: 5.114 ug/l
RT: 2.826 min Scan# 154
Delta R.T. -0.094 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

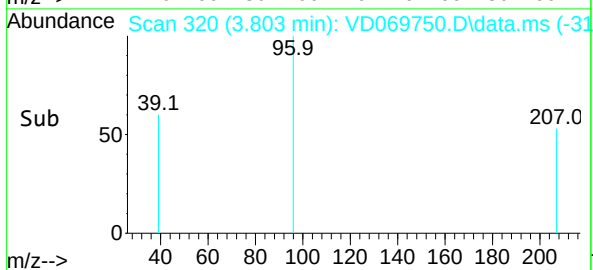
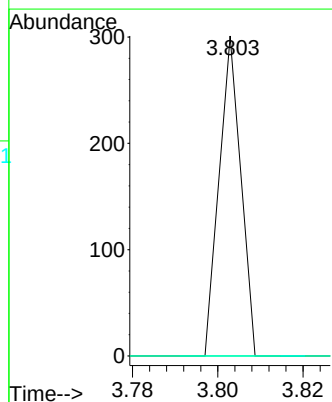
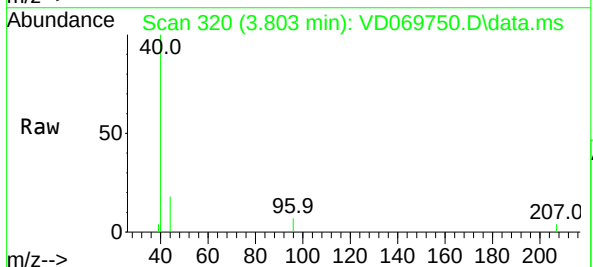
Instrument :
MSVOA_D
ClientSampleId :

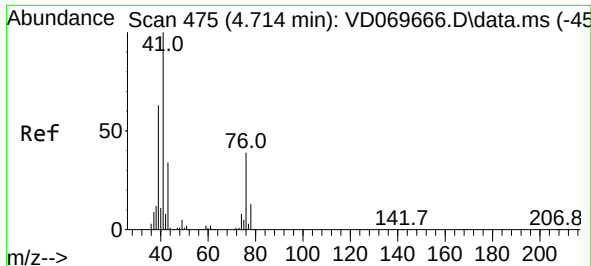
Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#12
1,1-Dichloroethene
Concen: 7.221 ug/l
RT: 3.803 min Scan# 320
Delta R.T. -0.264 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

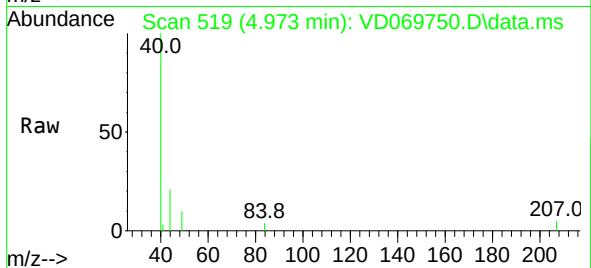
Tgt Ion: 96 Resp: 106
Ion Ratio Lower Upper
96 100
61 0.0 126.4 189.6#
98 0.0 48.9 73.3#



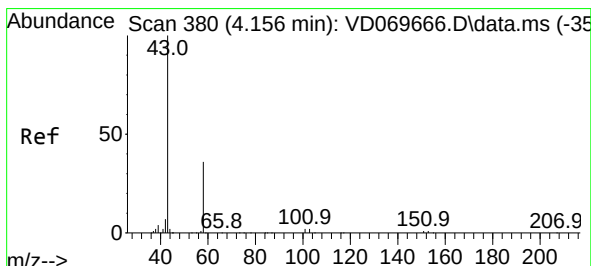
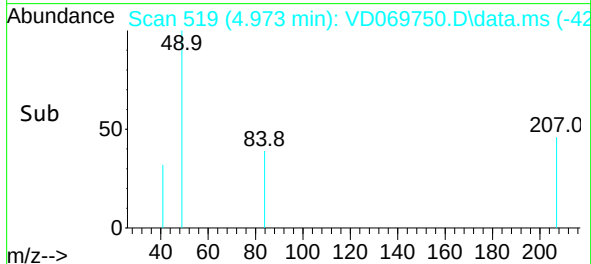
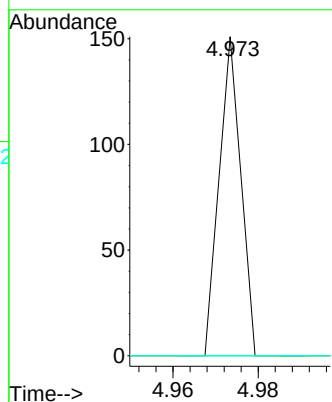


#14
 Allyl chloride
 Concen: 2.337 ug/l
 RT: 4.973 min Scan# 519
 Delta R.T. 0.259 min
 Lab File: VD069750.D
 Acq: 19 Jul 2021 14:27

Instrument :
 MSVOA_D
 ClientSampled :

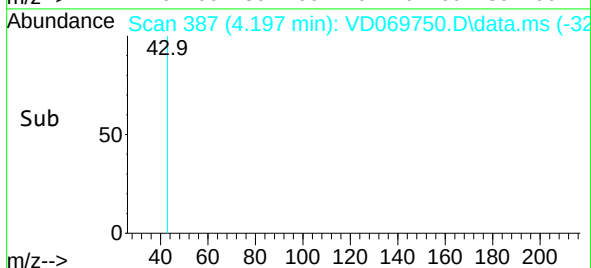
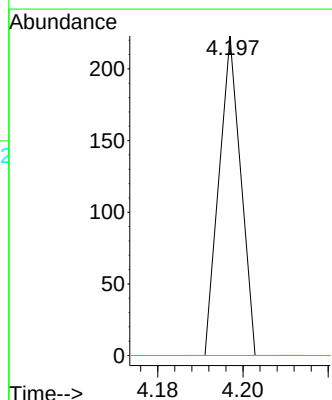
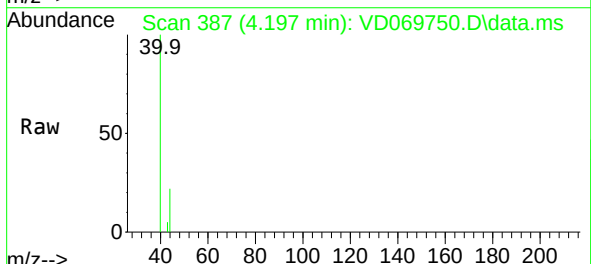


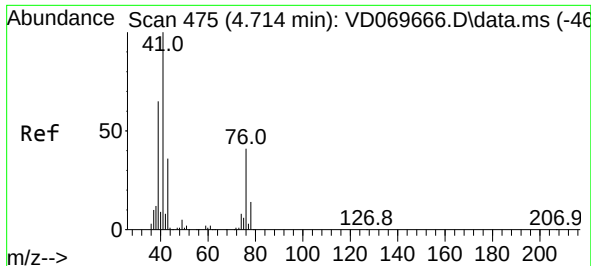
Tgt Ion: 41 Resp: 53
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.4 74.2#
 76 0.0 30.7 46.1#



#16
 Acetone
 Concen: 33.402 ug/l
 RT: 4.197 min Scan# 387
 Delta R.T. 0.041 min
 Lab File: VD069750.D
 Acq: 19 Jul 2021 14:27

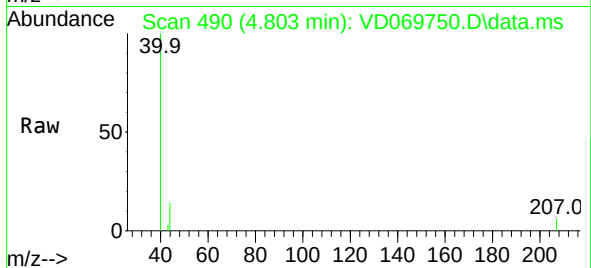
Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#



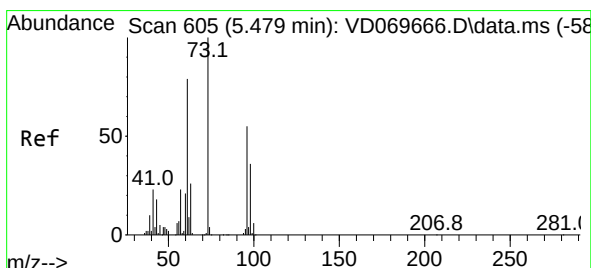
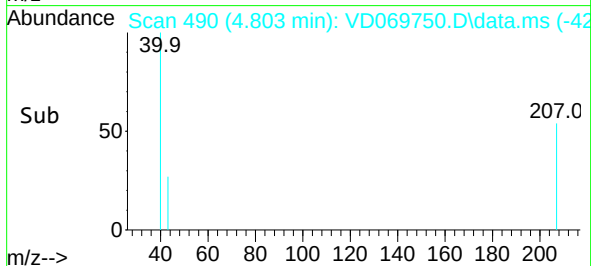
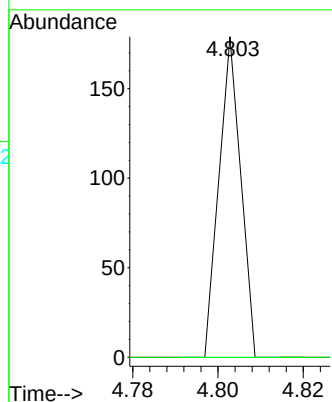


#18
Methyl Acetate
Concen: 1.763 ug/l
RT: 4.803 min Scan# 490
Delta R.T. 0.089 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Instrument :
MSVOA_D
ClientSampled :

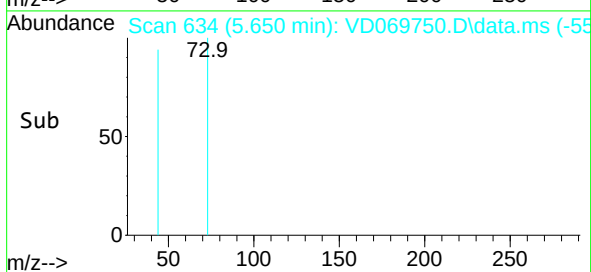
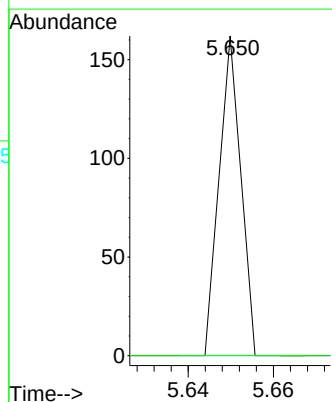
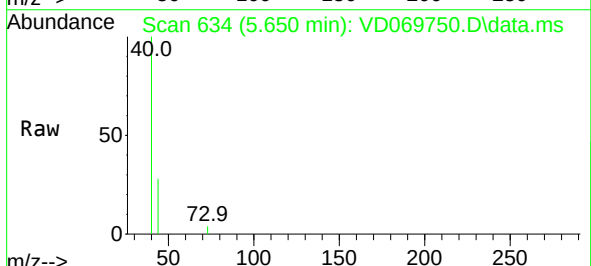


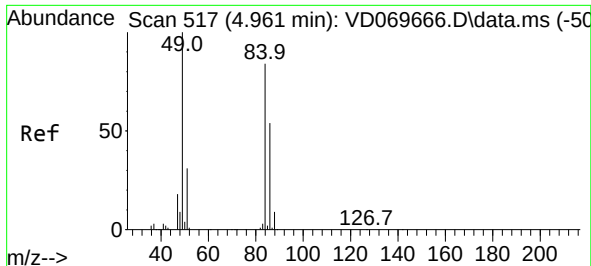
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#19
Methyl tert-butyl Ether
Concen: 1.834 ug/l
RT: 5.650 min Scan# 634
Delta R.T. 0.171 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

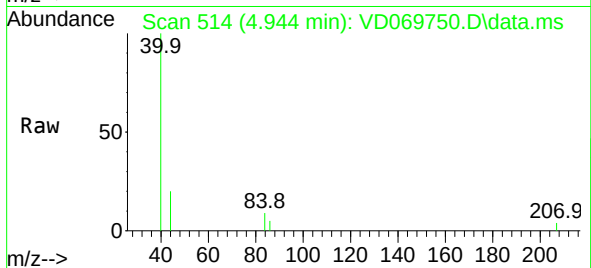
Tgt Ion: 73 Resp: 57
Ion Ratio Lower Upper
73 100
57 0.0 18.2 27.2#



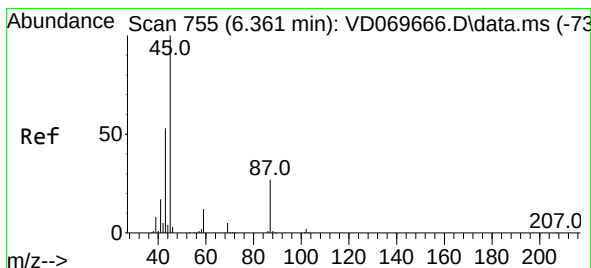
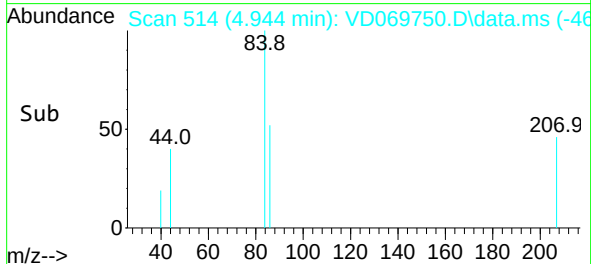
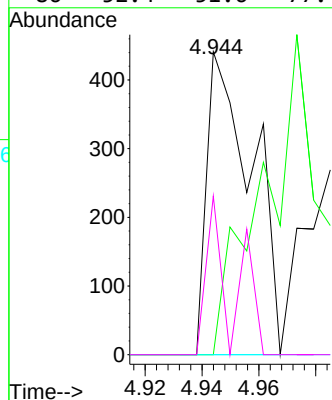


#20
Methylene Chloride
Concen: 16.884 ug/l
RT: 4.944 min Scan# 514
Delta R.T. -0.017 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Instrument :
MSVOA_D
ClientSampleId :

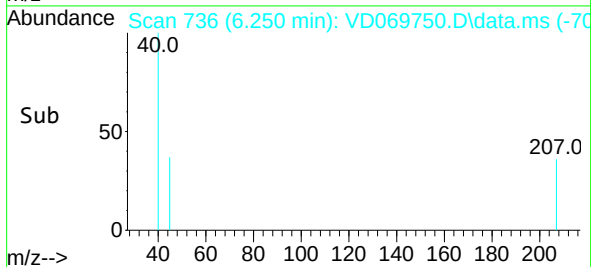
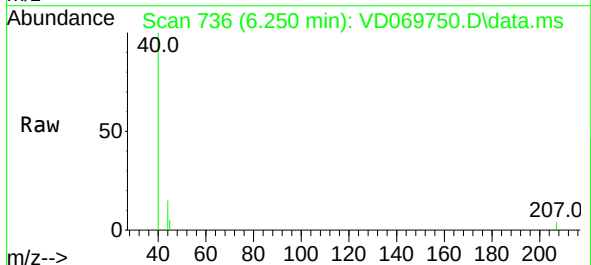
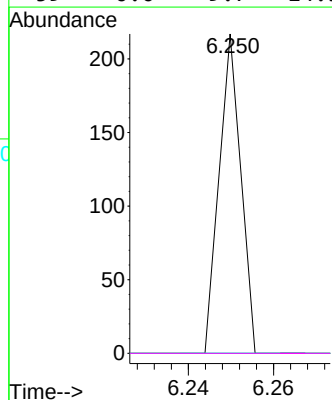


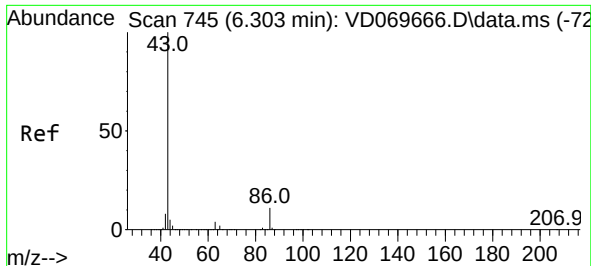
Tgt Ion:	84	Resp:	487
Ion	Ratio	Lower	Upper
84	100		
49	0.0	95.5	143.3#
51	0.0	29.7	44.5#
86	52.4	51.6	77.4



#22
Diisopropyl ether
Concen: 1.638 ug/l
RT: 6.250 min Scan# 736
Delta R.T. -0.111 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

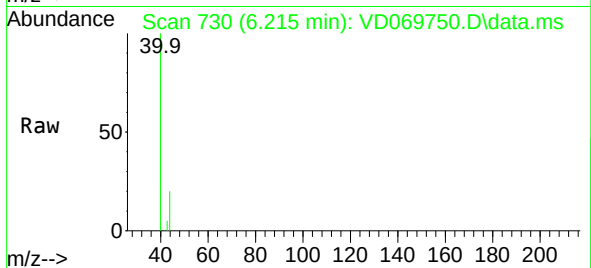
Tgt Ion:	45	Resp:	77
Ion	Ratio	Lower	Upper
45	100		
43	0.0	42.3	63.5#
87	0.0	21.8	32.8#
59	0.0	9.7	14.5#



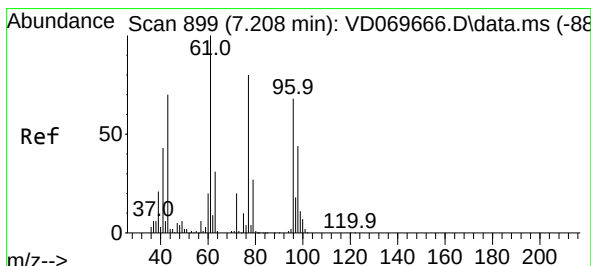
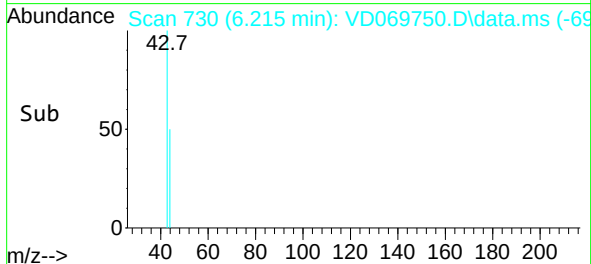
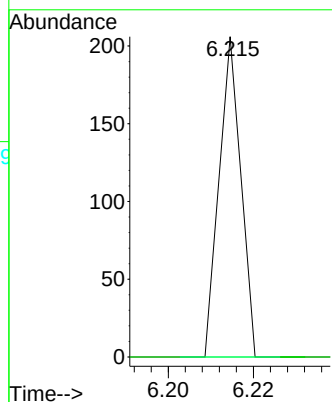


#23
 Vinyl Acetate
 Concen: 18.016 ug/l
 RT: 6.215 min Scan# 730
 Delta R.T. -0.088 min
 Lab File: VD069750.D
 Acq: 19 Jul 2021 14:27

Instrument :
 MSVOA_D
 ClientSampled :

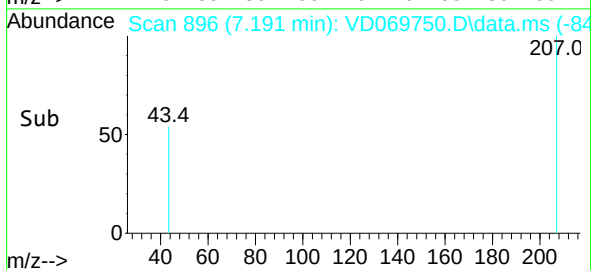
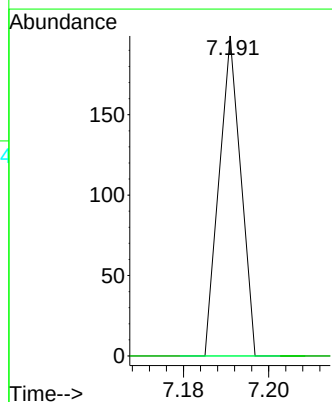
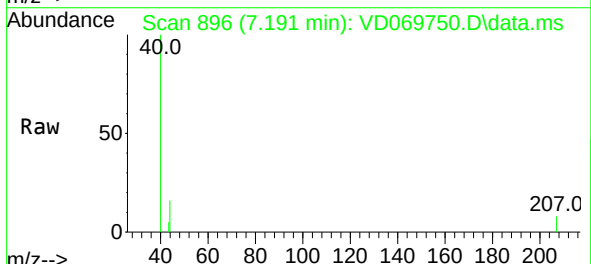


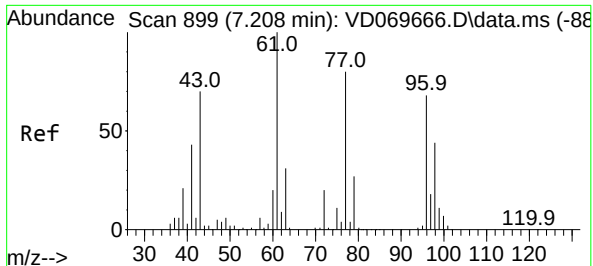
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 17.623 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.017 min
 Lab File: VD069750.D
 Acq: 19 Jul 2021 14:27

Tgt Ion: 43 Resp: 70
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#





#27

cis-1,2-Dichloroethene

Concen: 7.509 ug/l

RT: 7.261 min Scan# 908

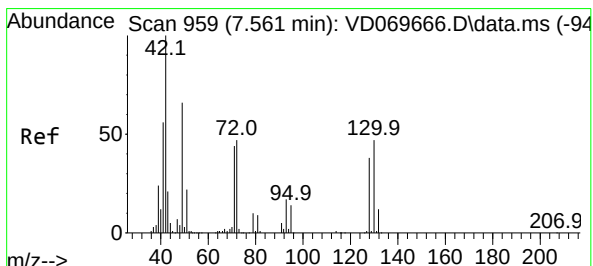
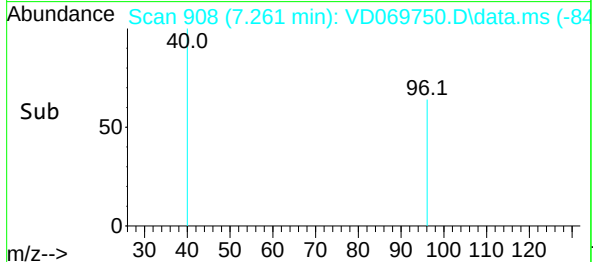
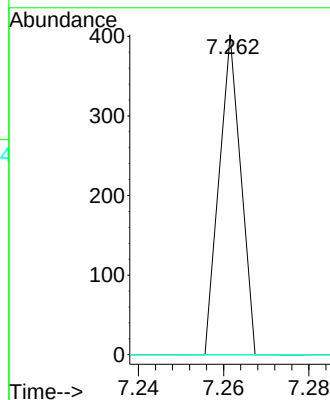
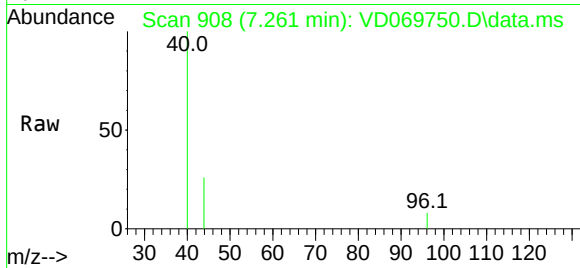
Delta R.T. 0.053 min

Lab File: VD069750.D

Acq: 19 Jul 2021 14:27

Tgt Ion:	96	Resp:	142
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	295.8
98	0.0	0.0	127.2

Instrument :
MSVOA_D
ClientSampleId :



#29

Tetrahydrofuran

Concen: 24.380 ug/l

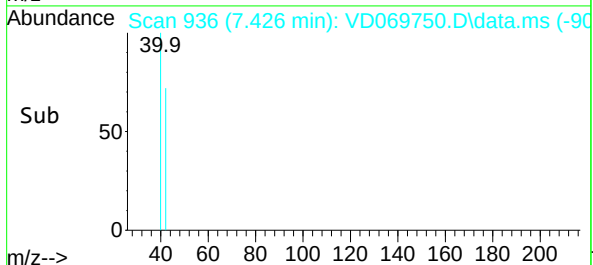
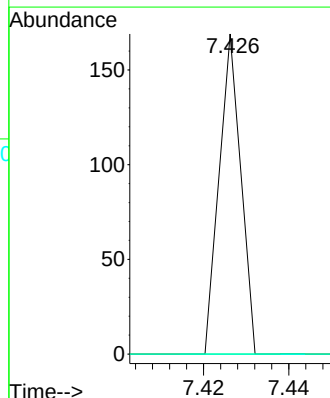
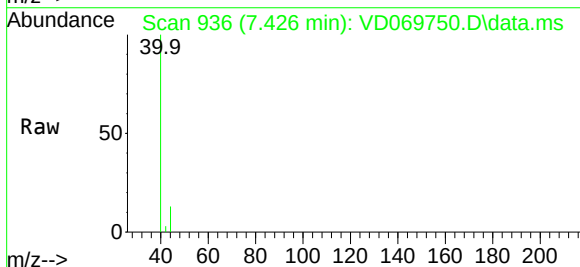
RT: 7.426 min Scan# 936

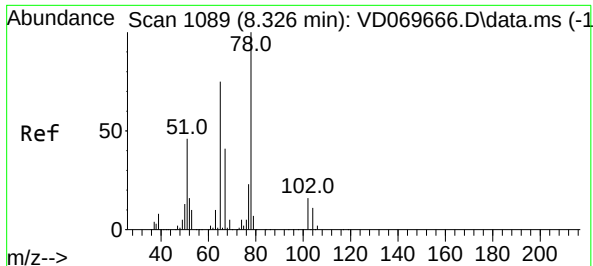
Delta R.T. -0.135 min

Lab File: VD069750.D

Acq: 19 Jul 2021 14:27

Tgt Ion:	42	Resp:	60
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.4	50.0#



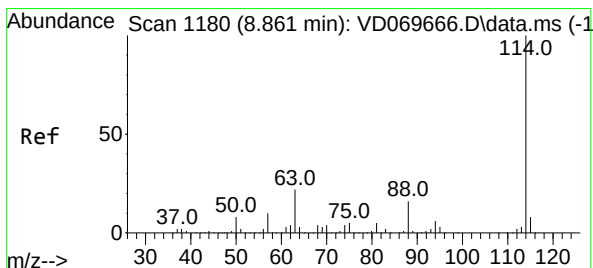
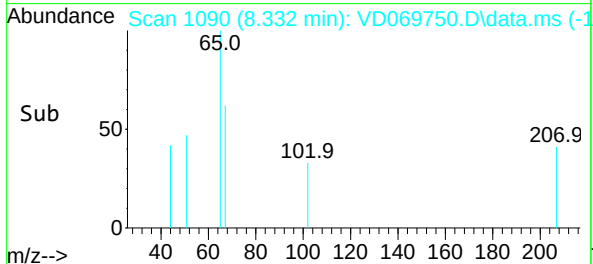
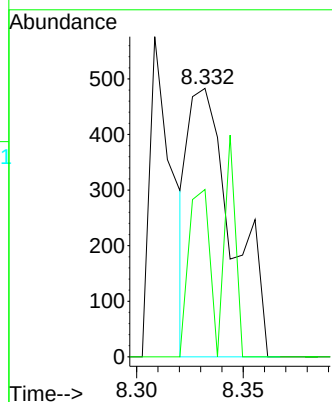
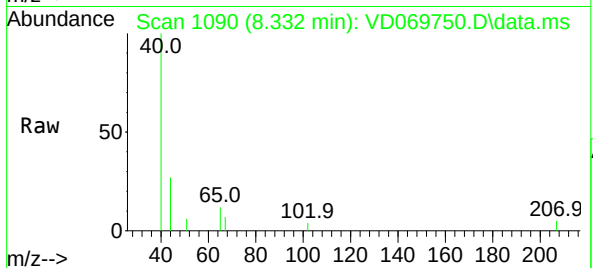


#33

1,2-Dichloroethane-d4
Concen: 40.996 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Instrument :
MSVOA_D
ClientSampleId :

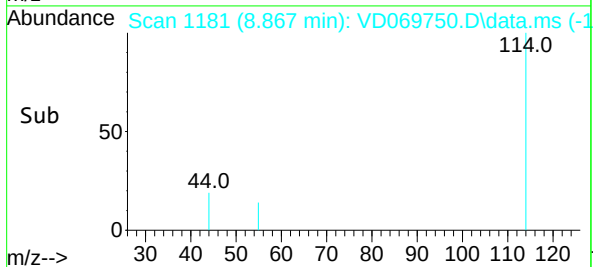
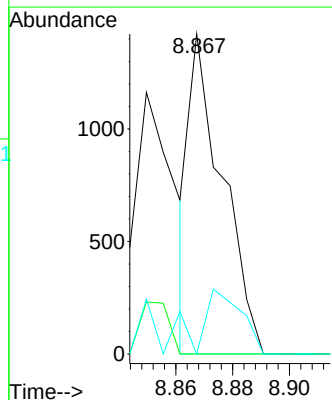
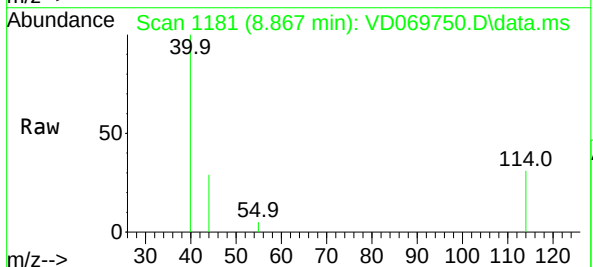
Tgt Ion: 65 Resp: 689
Ion Ratio Lower Upper
65 100
67 29.9 0.0 107.2

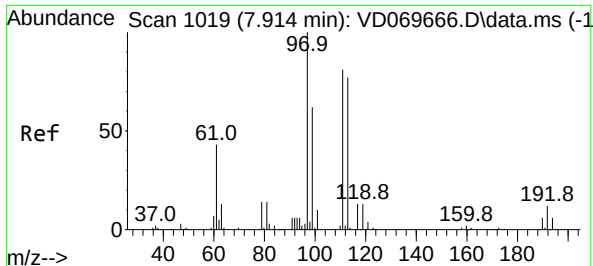


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Tgt Ion: 114 Resp: 1145
Ion Ratio Lower Upper
114 100
63 0.0 0.0 43.4
88 0.0 0.0 32.0

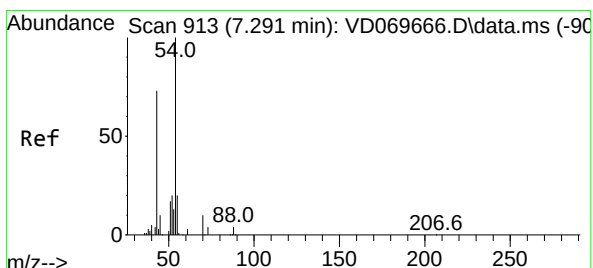
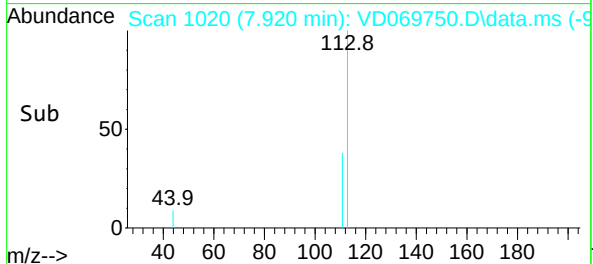
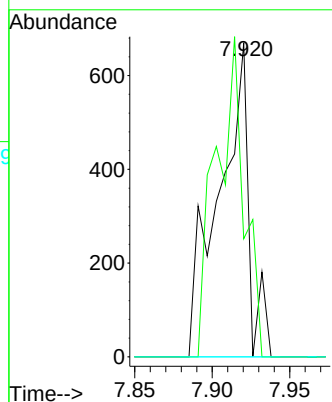
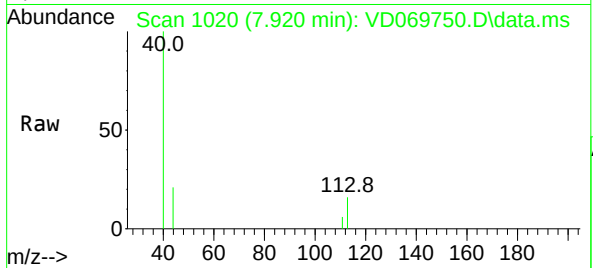




#35
Dibromofluoromethane
Concen: 117.033 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

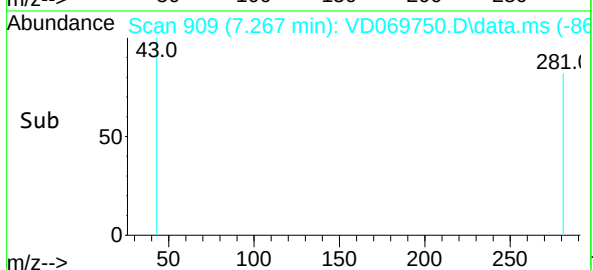
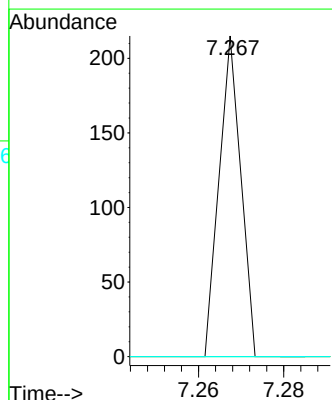
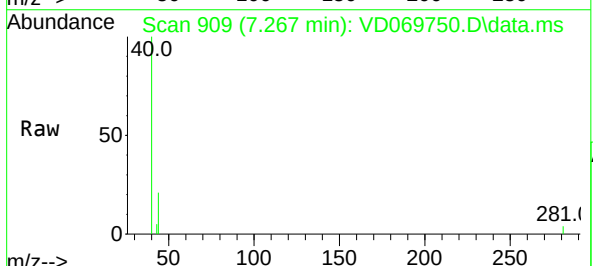
Instrument :
MSVOA_D
ClientSampleId :

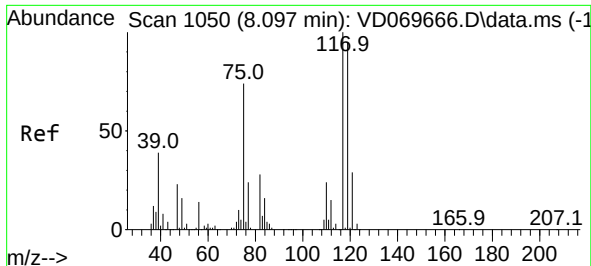
Tgt Ion:113 Resp: 899
Ion Ratio Lower Upper
113 100
111 95.4 82.6 123.8
192 0.0 12.7 19.1#



#37
Ethyl Acetate
Concen: 17.009 ug/l
RT: 7.267 min Scan# 909
Delta R.T. -0.024 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

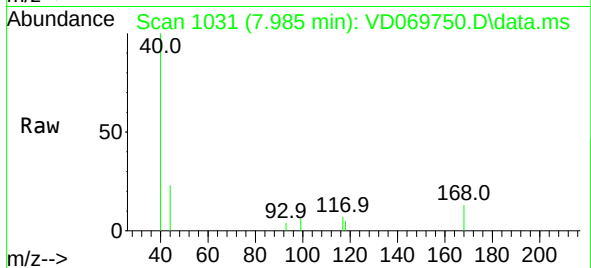
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.4 12.6#



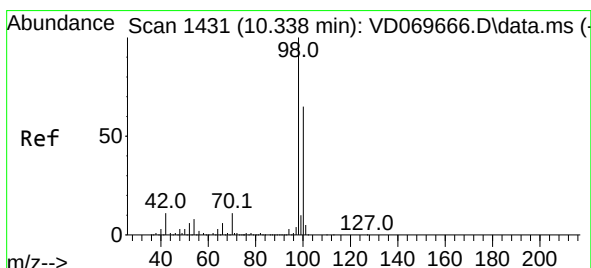
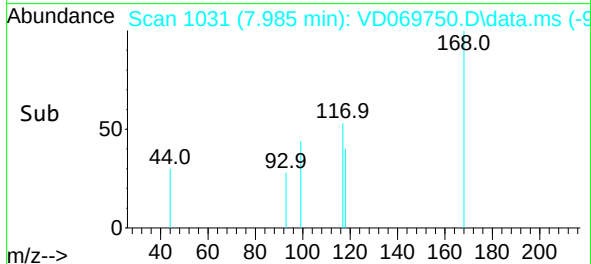
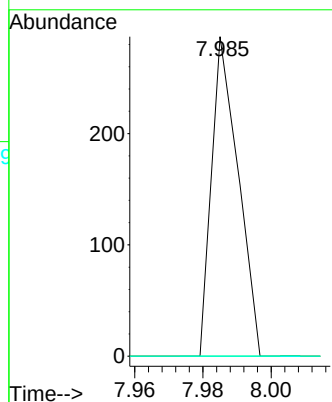


#38
Carbon Tetrachloride
Concen: 14.422 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Instrument :
MSVOA_D
ClientSampleId :

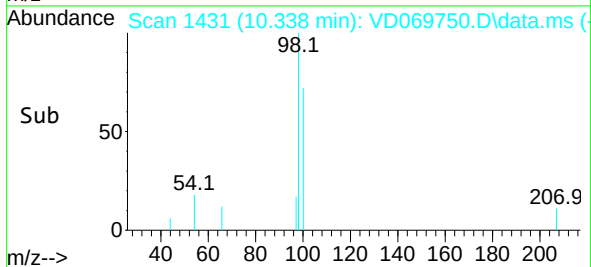
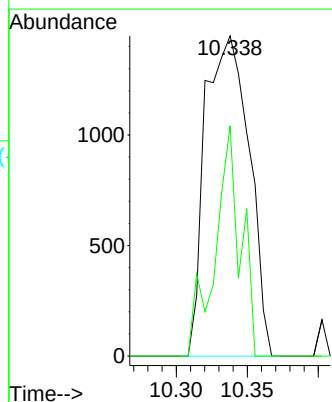
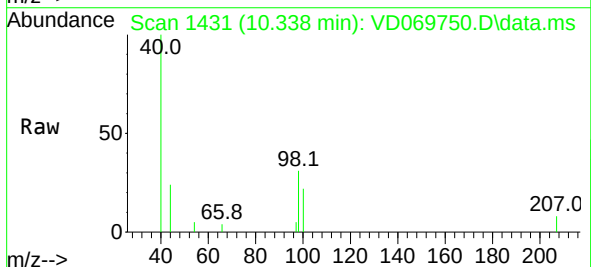


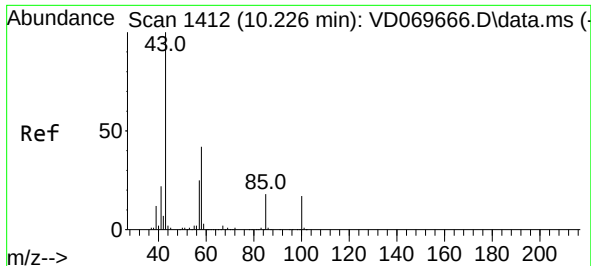
Tgt Ion:117 Resp: 156
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 104.413 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Tgt Ion: 98 Resp: 3116
Ion Ratio Lower Upper
98 100
100 41.9 52.2 78.2#

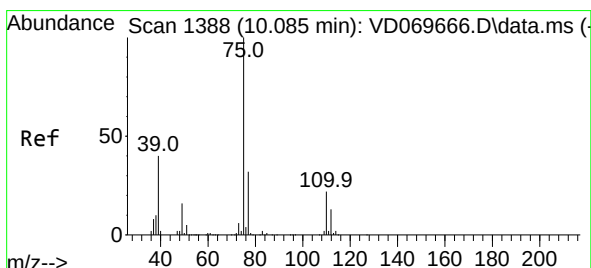
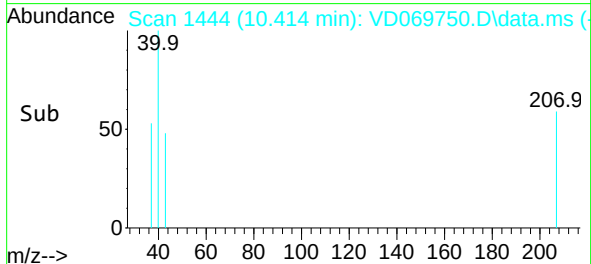
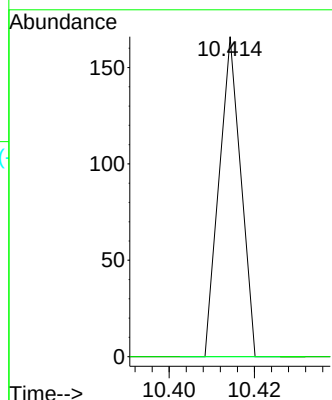
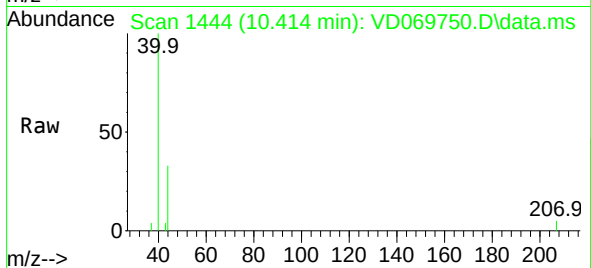




#51
4-Methyl-2-Pentanone
Concen: 13.924 ug/l
RT: 10.414 min Scan# 1444
Delta R.T. 0.188 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

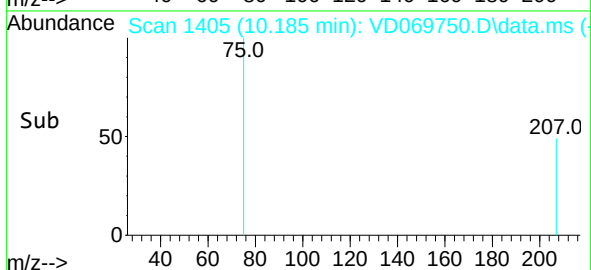
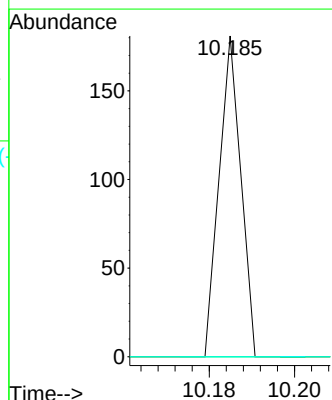
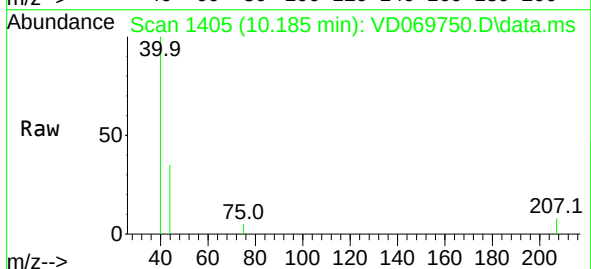
Instrument :
MSVOA_D
ClientSampleId :

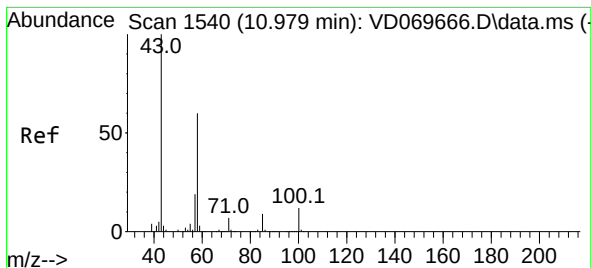
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#54
cis-1,3-Dichloropropene
Concen: 5.352 ug/l
RT: 10.185 min Scan# 1405
Delta R.T. 0.100 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 0.0 32.0 48.0#

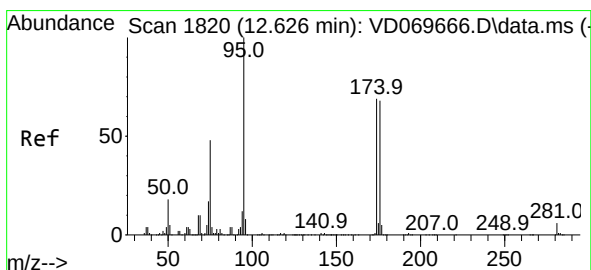
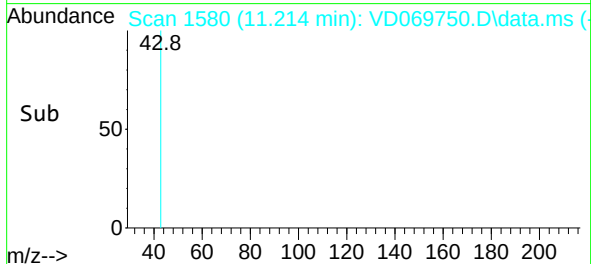
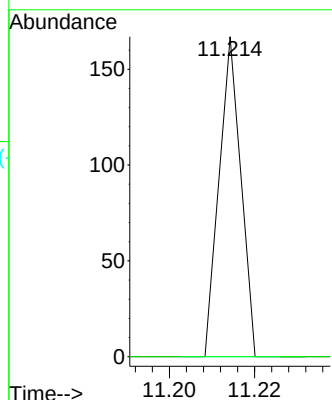
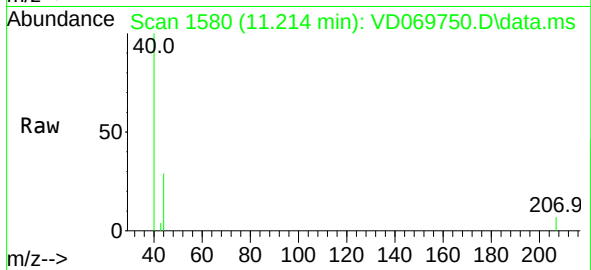




#59
2-Hexanone
Concen: 20.890 ug/l
RT: 11.214 min Scan# 1580
Delta R.T. 0.235 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

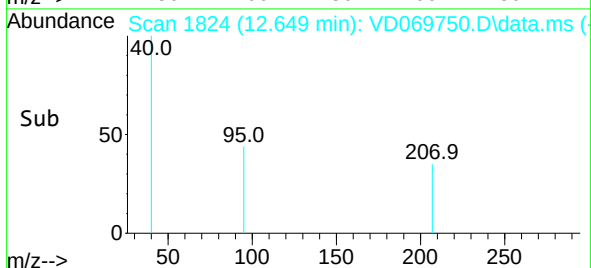
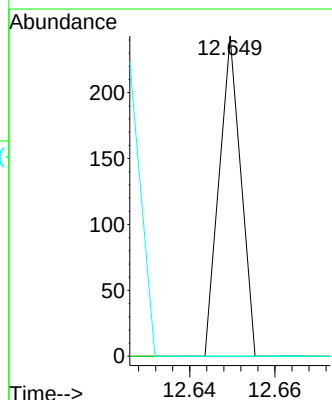
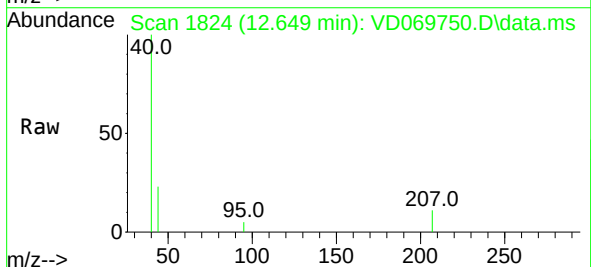
Instrument :
MSVOA_D
ClientSampleId :

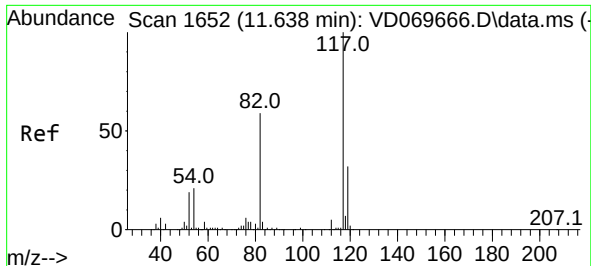
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 8.641 ug/l
RT: 12.649 min Scan# 1824
Delta R.T. 0.023 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

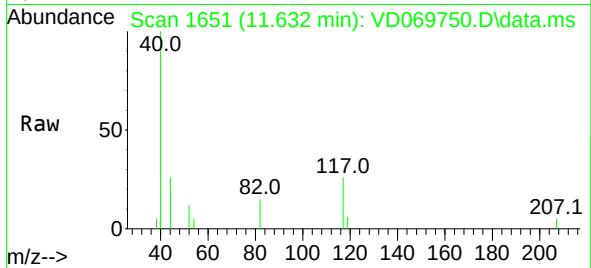
Tgt Ion: 95 Resp: 86
Ion Ratio Lower Upper
95 100
174 0.0 0.0 140.0
176 0.0 0.0 136.2



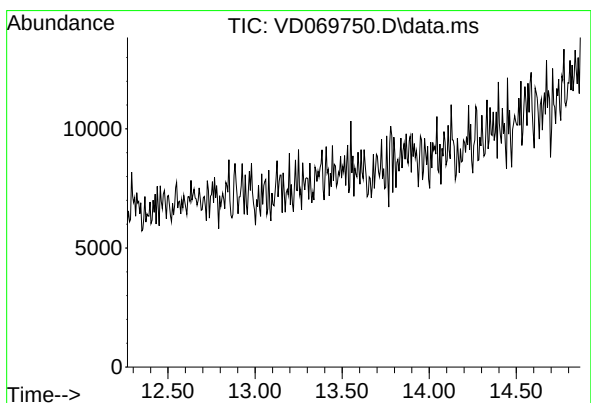
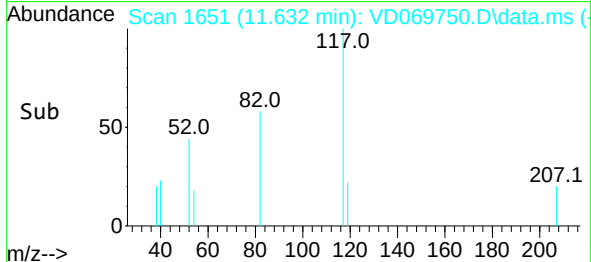
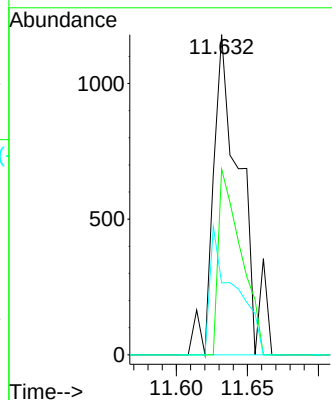


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 117 Resp: 1579
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 22.5 25.5 38.3#



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

Lab File: VD069750.D
Acq: 19 Jul 2021 14:27

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

