

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069774.D
 Acq On : 20 Jul 2021 17:17
 Operator : VA/SY
 Sample : M3038-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:27:05 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)

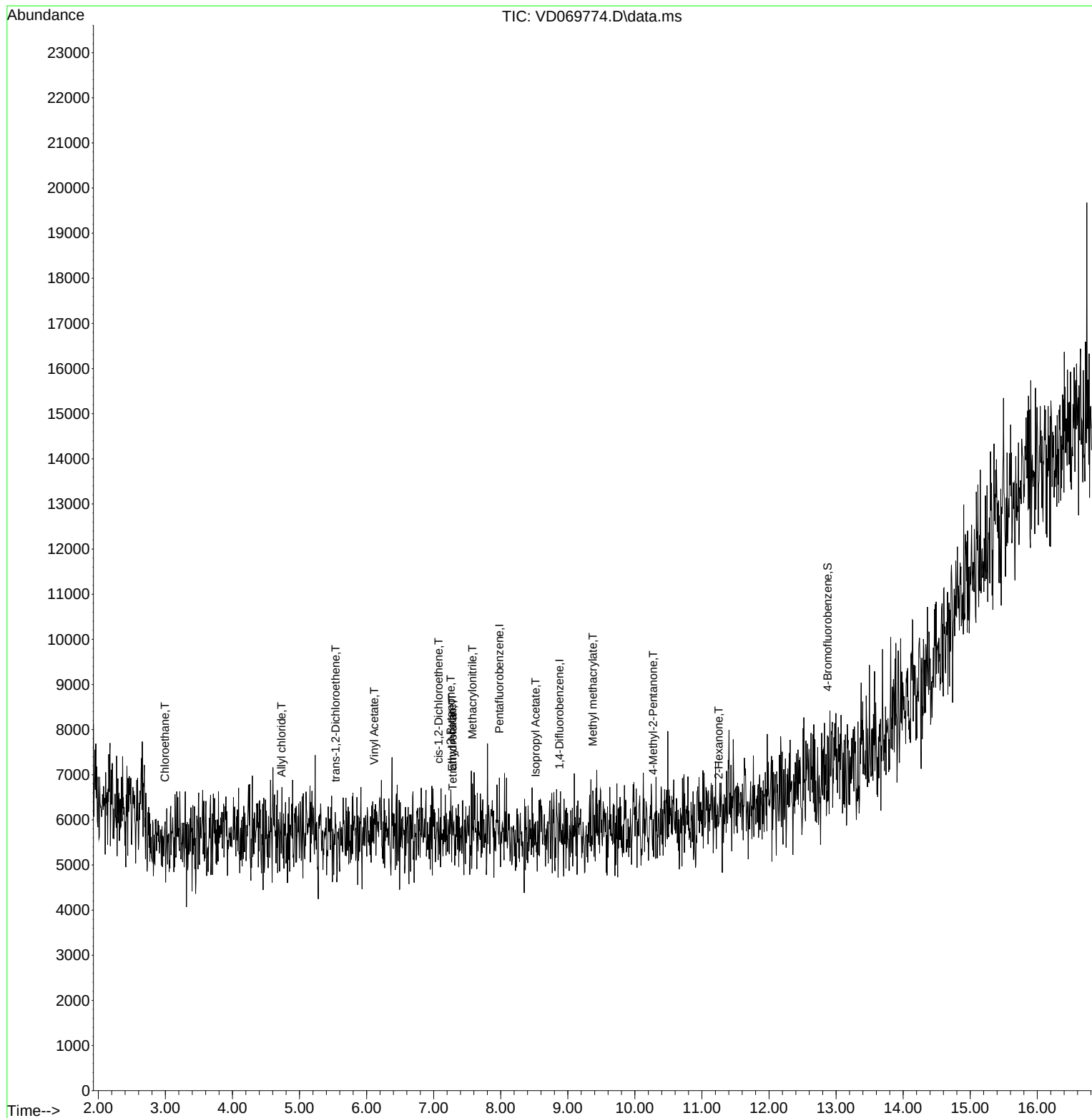
Internal Standards						
1) Pentafluorobenzene	7.979	168	62	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.873	114	167	50.000	ug/l	0.01
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.64
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.873	95	134	92.309	ug/l	0.25
Spiked Amount	50.000	Range	25 - 144	Recovery	=	184.620%#
Target Compounds						
						Qvalue
6) Chloroethane	2.991	64	57	94.459	ug/l	# 43
14) Allyl chloride	4.732	41	54	51.688	ug/l	# 26
16) Acetone	4.032	43	182	Below Cal	#	39
20) Methylene Chloride	4.979	84	397	Below Cal	#	40
21) trans-1,2-Dichloroethene	5.538	96	78	96.600	ug/l	# 1
23) Vinyl Acetate	6.114	43	57	59.351	ug/l	# 72
25) 2-Butanone	7.256	43	66	360.718	ug/l	# 47
27) cis-1,2-Dichloroethene	7.073	96	77	88.401	ug/l	# 1
29) Tetrahydrofuran	7.285	42	71	626.317	ug/l	# 32
37) Ethyl Acetate	7.273	43	64	98.203	ug/l	# 67
41) Methacrylonitrile	7.579	41	61	180.608	ug/l	# 18
43) Isopropyl Acetate	8.520	43	125	104.739	ug/l	# 47
48) Methyl methacrylate	9.373	41	66	105.291	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.273	43	70	113.264	ug/l	# 34
59) 2-Hexanone	11.249	43	58	140.799	ug/l	# 22

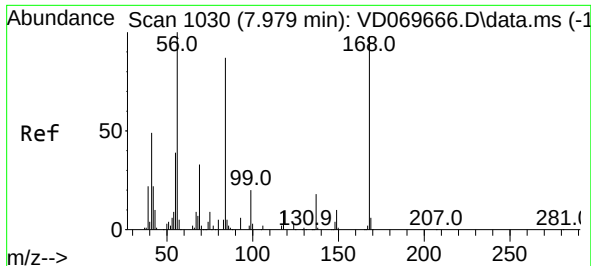
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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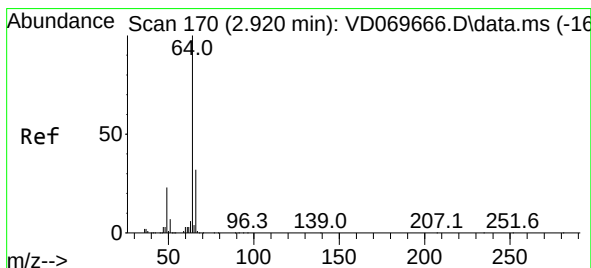
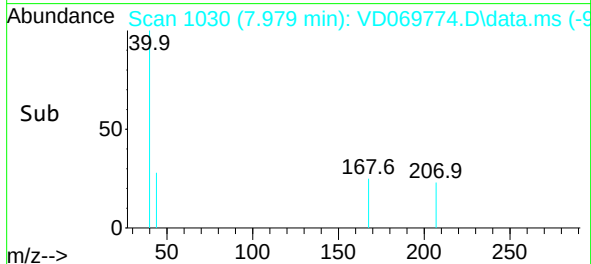
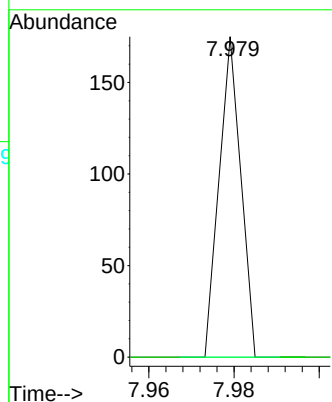
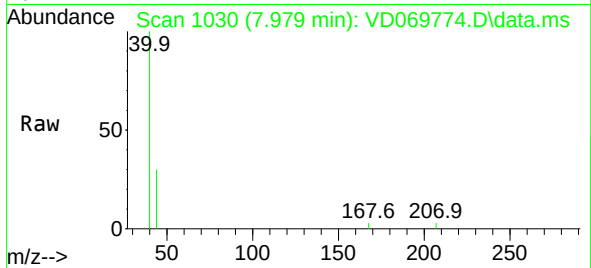




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

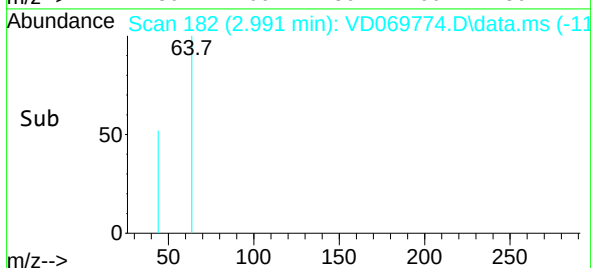
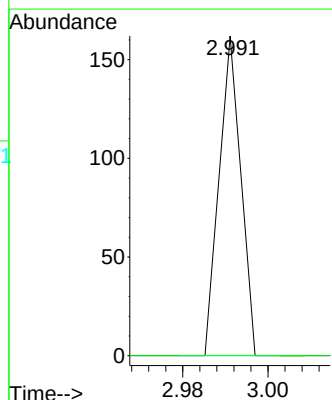
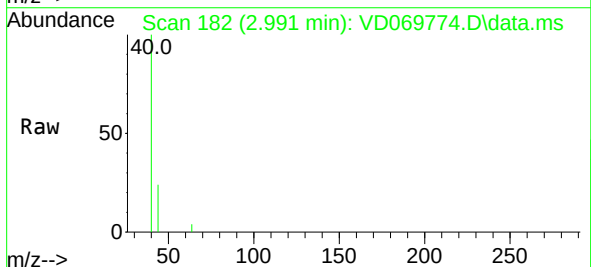
Instrument :
MSVOA_D
ClientSampleId :

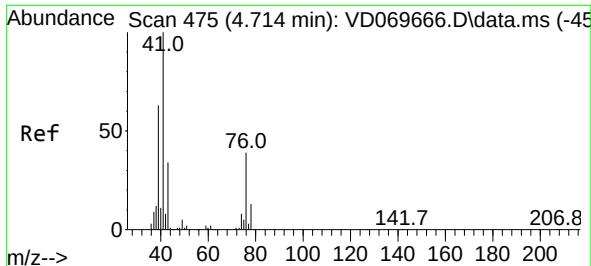
Tgt Ion:168 Resp: 62
Ion Ratio Lower Upper
168 100
99 0.0 51.8 77.6#



#6
Chloroethane
Concen: 94.459 ug/l
RT: 2.991 min Scan# 182
Delta R.T. 0.071 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

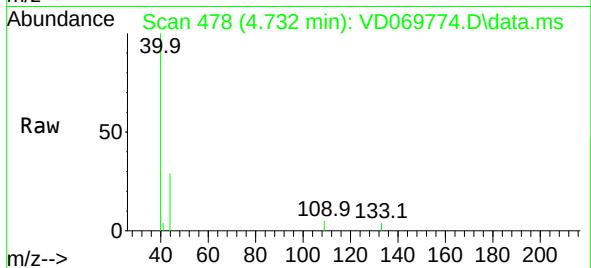
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



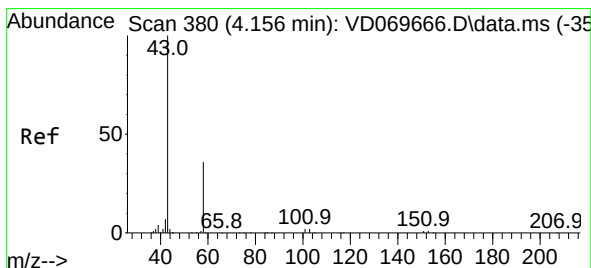
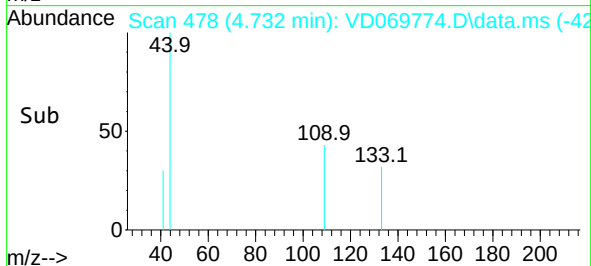
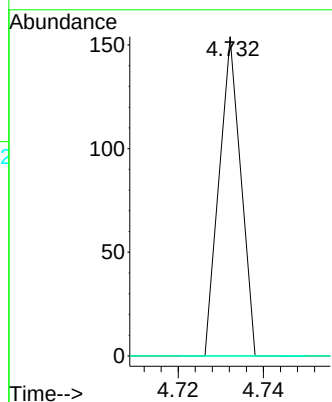


#14
 Allyl chloride
 Concen: 51.688 ug/l
 RT: 4.732 min Scan# 478
 Delta R.T. 0.018 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Instrument :
 MSVOA_D
 ClientSampled :

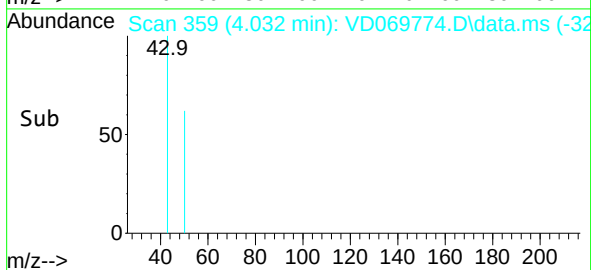
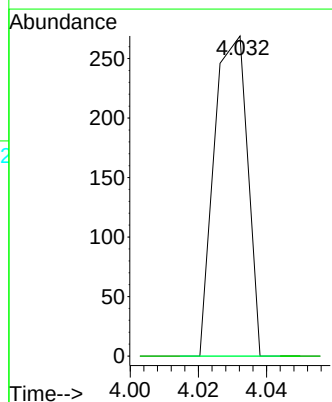
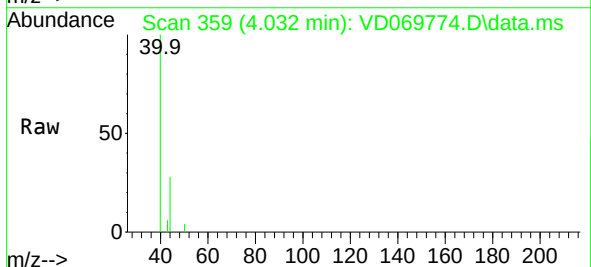


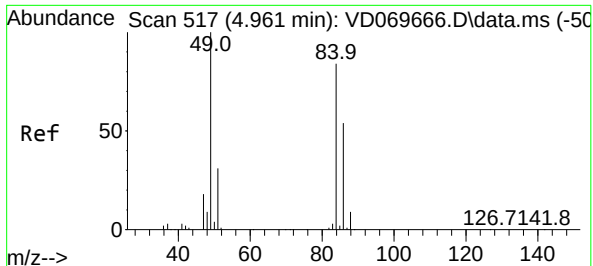
Tgt Ion: 41 Resp: 54
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.4 74.2#
 76 0.0 30.7 46.1#



#16
 Acetone
 Concen: Below Cal
 RT: 4.032 min Scan# 359
 Delta R.T. -0.124 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Tgt Ion: 43 Resp: 182
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#





#20

Methylene Chloride

Concen: Below Cal

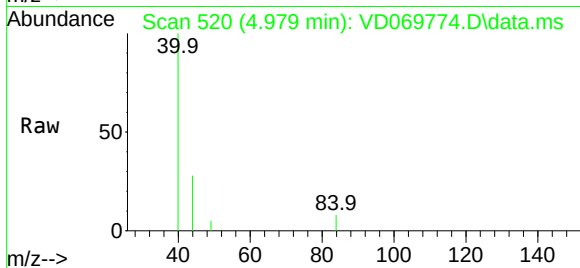
RT: 4.979 min Scan# 520

Delta R.T. 0.018 min

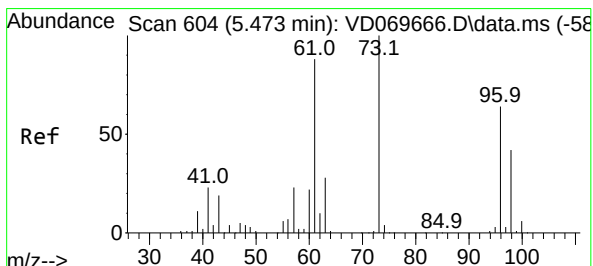
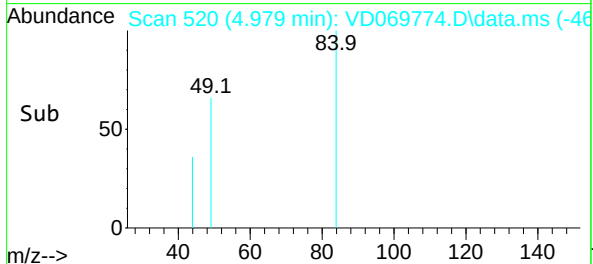
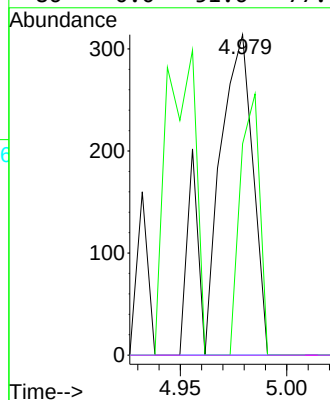
Lab File: VD069774.D

Acq: 20 Jul 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	84	Resp:	397
Ion	Ratio	Lower	Upper
84	100		
49	65.9	95.5	143.3#
51	0.0	29.7	44.5#
86	0.0	51.6	77.4#



#21

trans-1,2-Dichloroethene

Concen: 96.600 ug/l

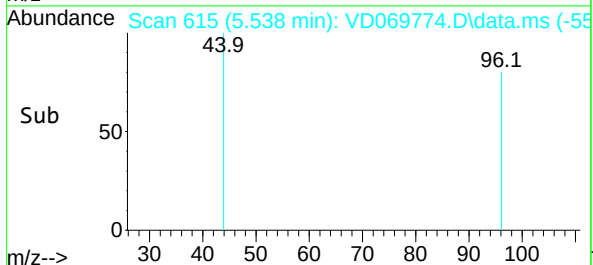
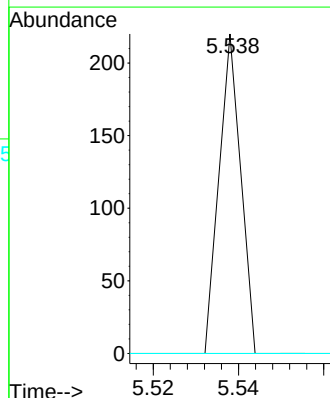
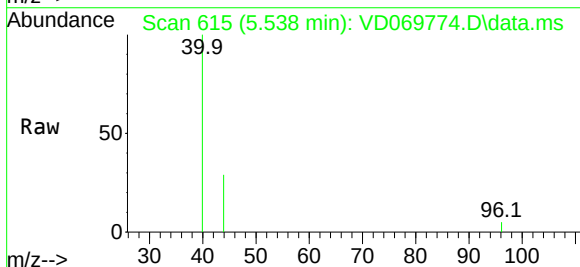
RT: 5.538 min Scan# 615

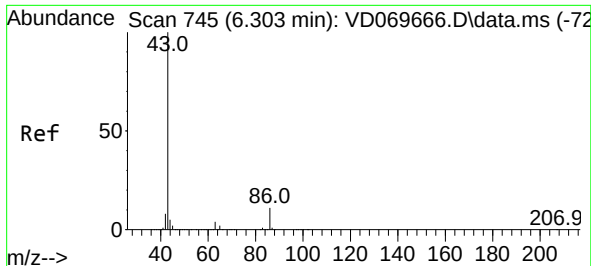
Delta R.T. 0.065 min

Lab File: VD069774.D

Acq: 20 Jul 2021 17:17

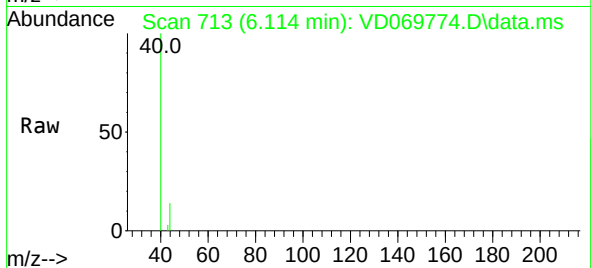
Tgt Ion:	96	Resp:	78
Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.9	166.3#
98	0.0	52.2	78.2#



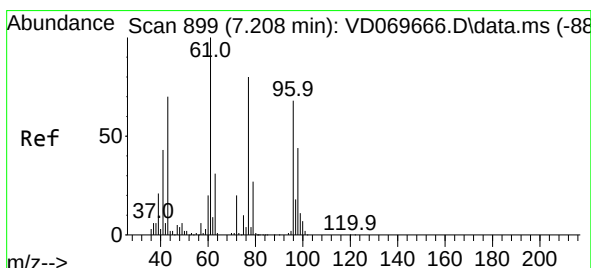
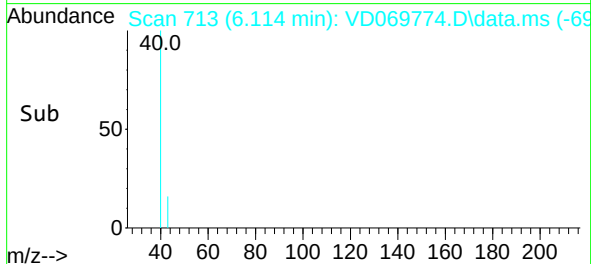
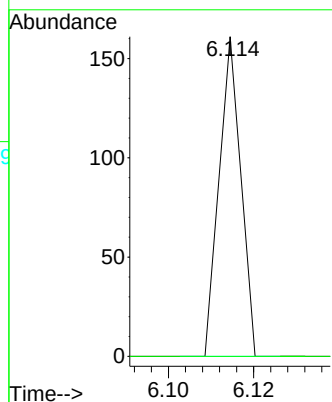


#23
 Vinyl Acetate
 Concen: 59.351 ug/l
 RT: 6.114 min Scan# 713
 Delta R.T. -0.189 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Instrument :
 MSVOA_D
 ClientSampleId :

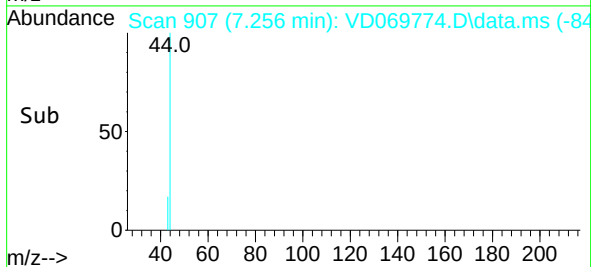
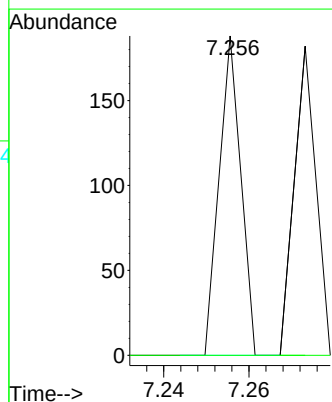
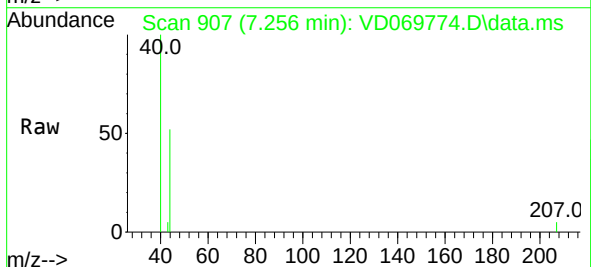


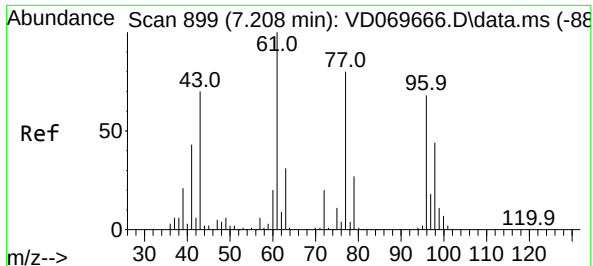
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 360.718 ug/l
 RT: 7.256 min Scan# 907
 Delta R.T. 0.048 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Tgt Ion: 43 Resp: 66
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#

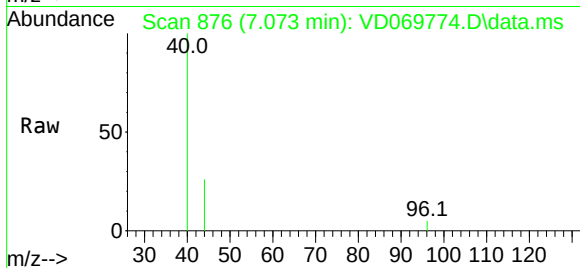




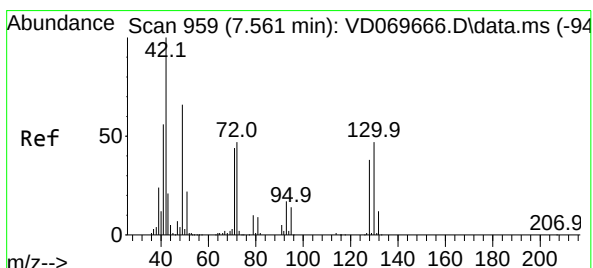
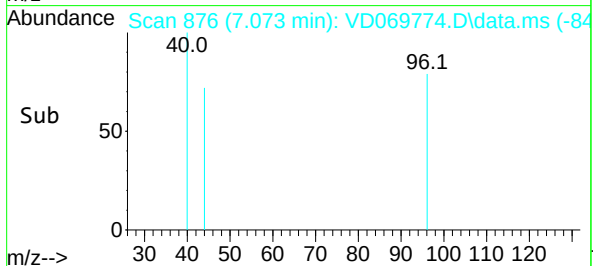
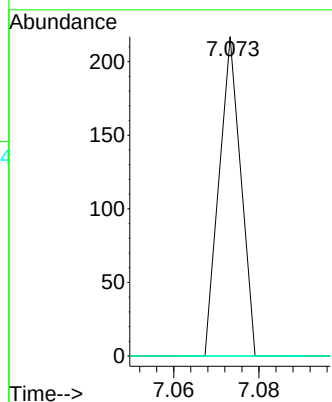
#27

cis-1,2-Dichloroethene
Concen: 88.401 ug/l
RT: 7.073 min Scan# 876
Delta R.T. -0.135 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

Instrument :
MSVOA_D
ClientSampled :

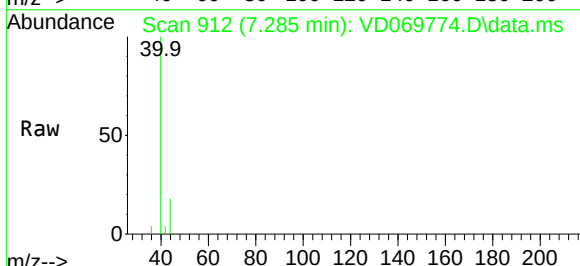


Tgt Ion:	96	Resp:	77
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	295.8
98	0.0	0.0	127.2

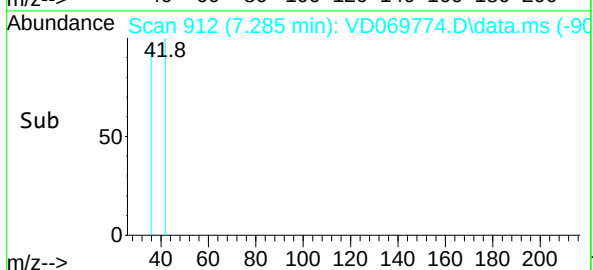
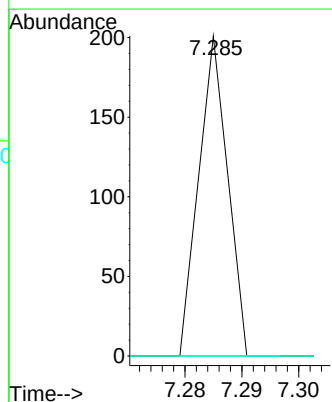


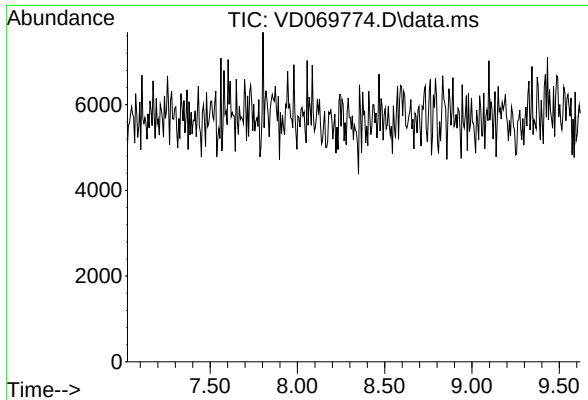
#29

Tetrahydrofuran
Concen: 626.317 ug/l
RT: 7.285 min Scan# 912
Delta R.T. -0.276 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17



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

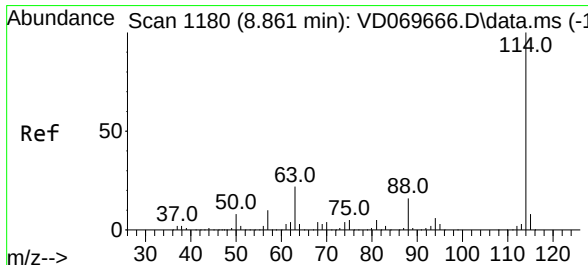
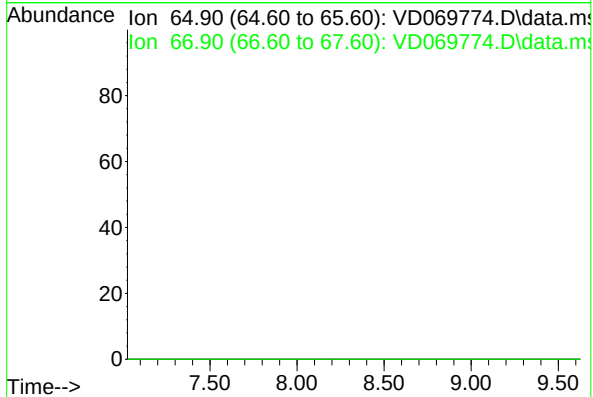




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.33 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Instrument :
 MSVOA_D
 ClientSampleId :

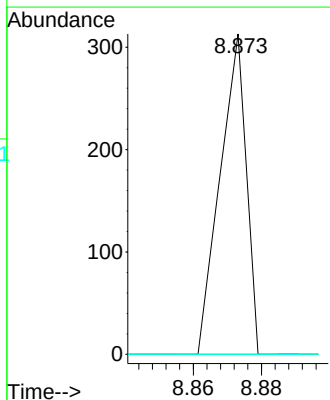
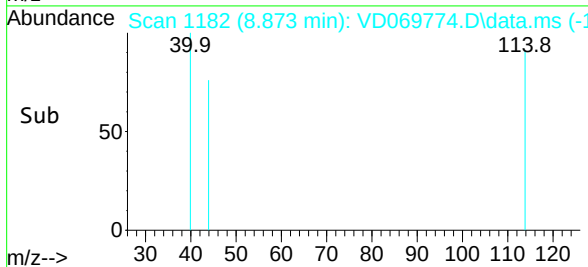
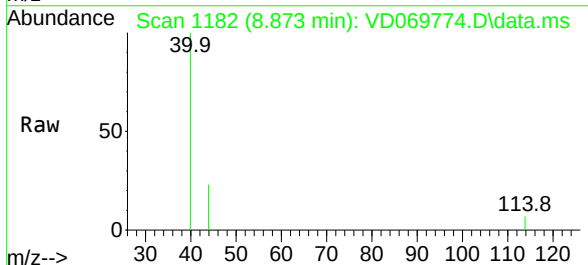
Tgt Ion: 65
 Sig Exp Ratio
 65 100
 67 53.6

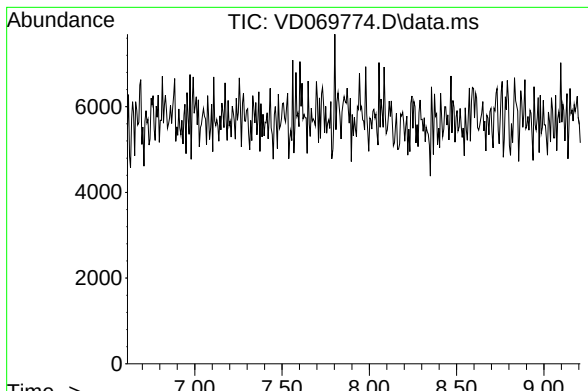


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.873 min Scan# 1182
 Delta R.T. 0.012 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Tgt Ion: 114 Resp: 167

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	43.4
88	0.0	0.0	32.0



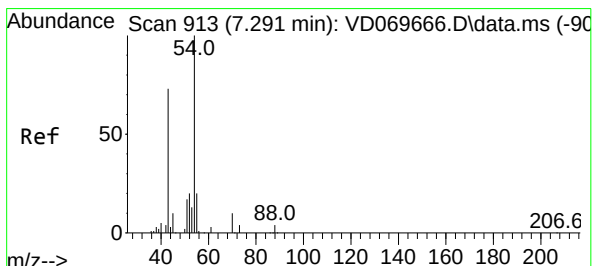
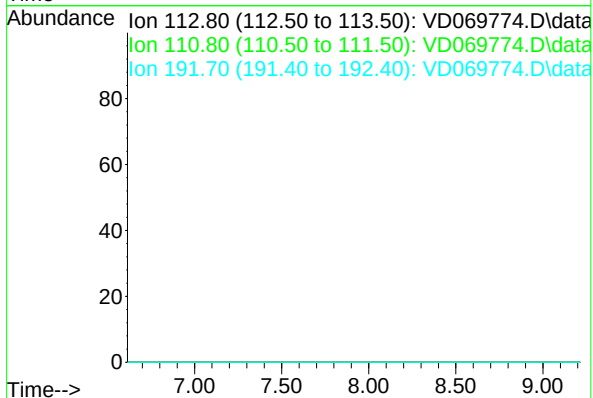


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.91 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 113

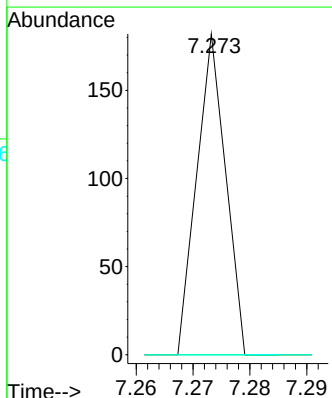
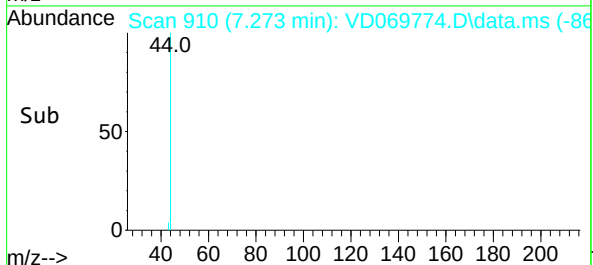
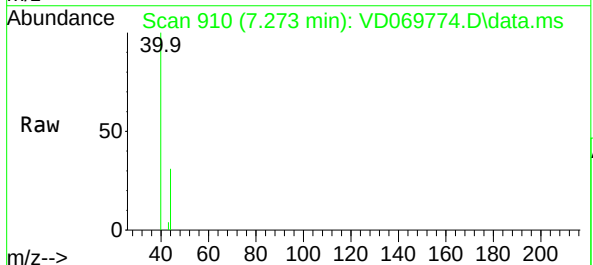
Sig	Exp Ratio
113	100
111	103.2
192	15.9

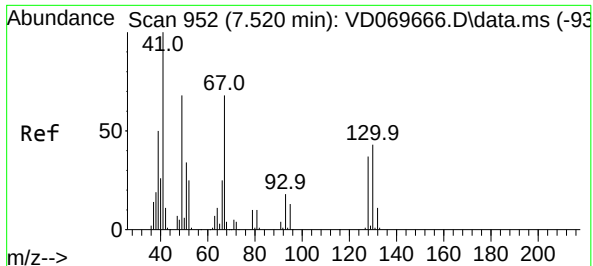


#37
 Ethyl Acetate
 Concen: 98.203 ug/l
 RT: 7.273 min Scan# 910
 Delta R.T. -0.018 min
 Lab File: VD069774.D
 Acq: 20 Jul 2021 17:17

Tgt Ion: 43 Resp: 64

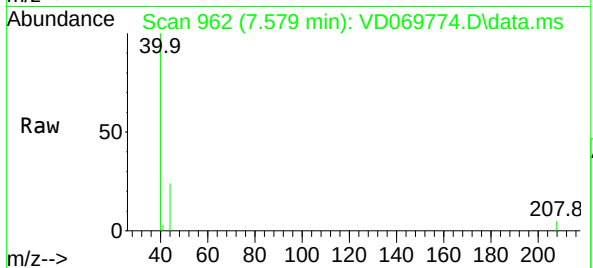
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	8.4	12.6#



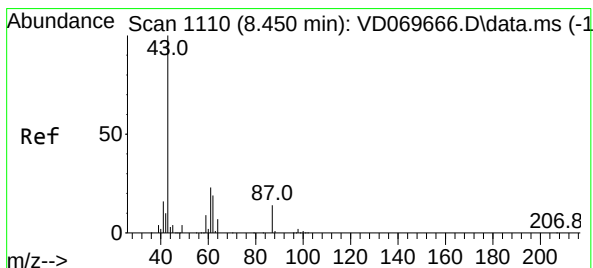
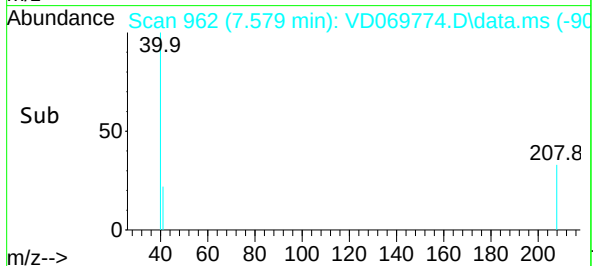
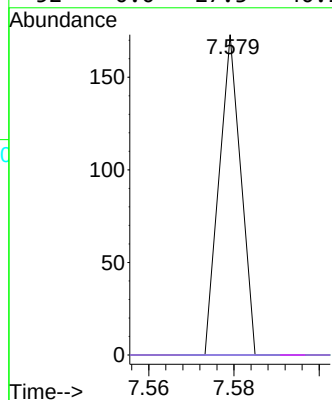


#41
Methacrylonitrile
Concen: 180.608 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.059 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :

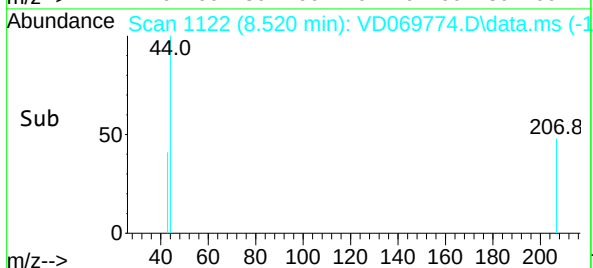
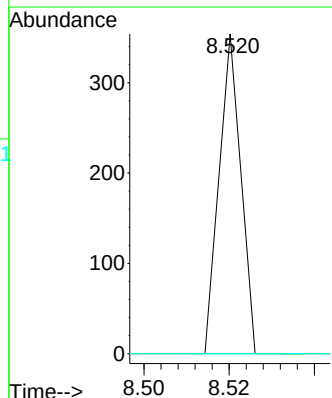
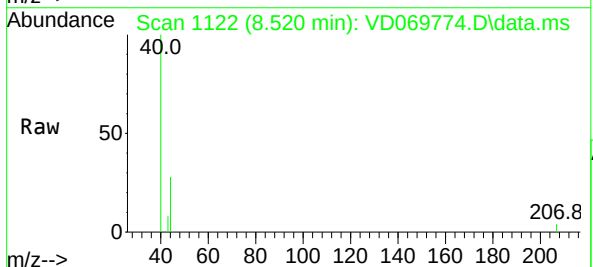


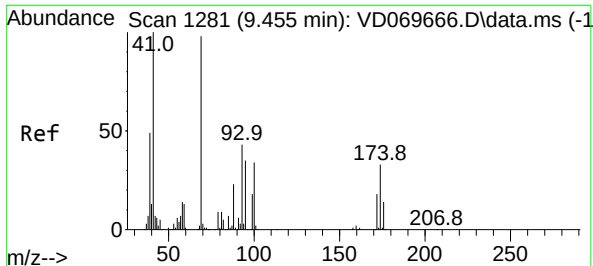
Tgt Ion:	41	Resp:	61
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.4	71.0#
67	0.0	67.0	100.6#
52	0.0	27.3	40.9#



#43
Isopropyl Acetate
Concen: 104.739 ug/l
RT: 8.520 min Scan# 1122
Delta R.T. 0.070 min
Lab File: VD069774.D
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Tgt Ion:	43	Resp:	125
Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.8	41.6#
87	0.0	11.0	16.6#

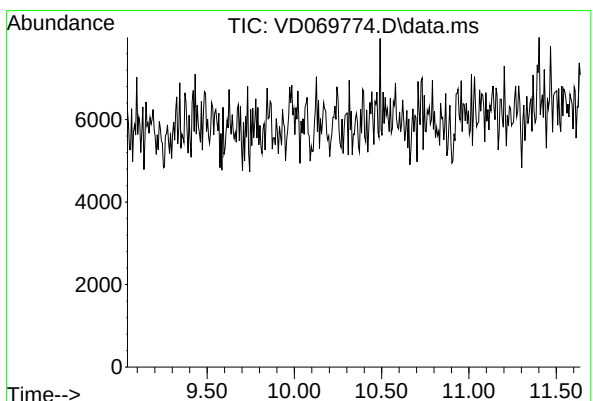
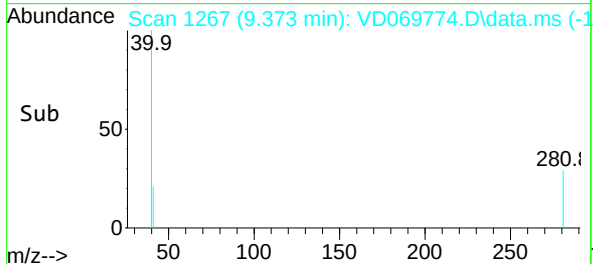
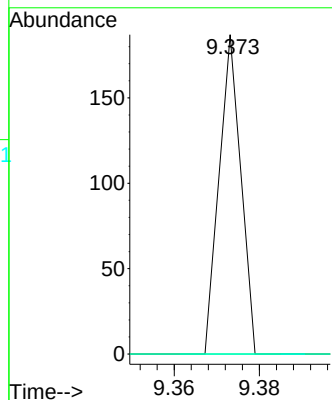
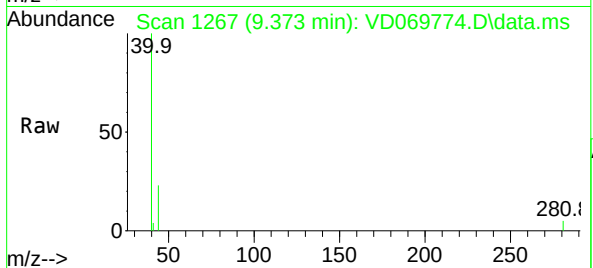




#48
Methyl methacrylate
Concen: 105.291 ug/l
RT: 9.373 min Scan# 1267
Delta R.T. -0.082 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :

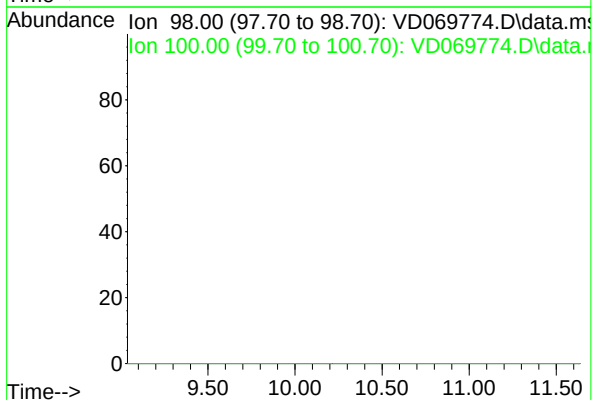
Tgt Ion:	41	Resp:	66
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#

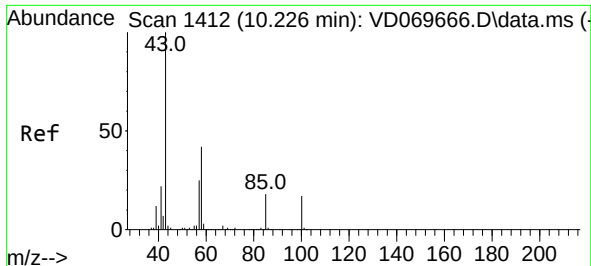


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.34 min

Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

Tgt Ion:	98
Sig	Exp Ratio
98	100
100	65.2

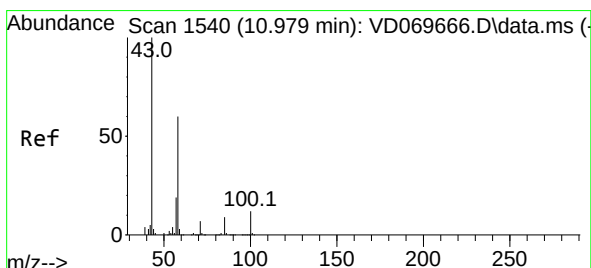
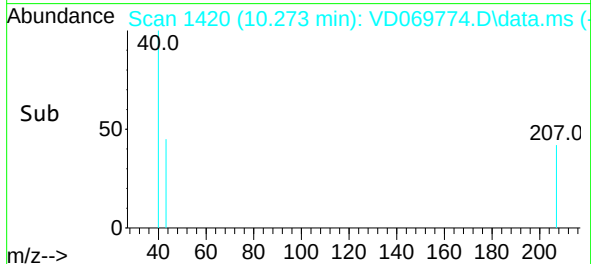
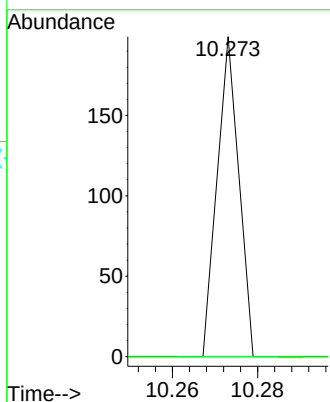
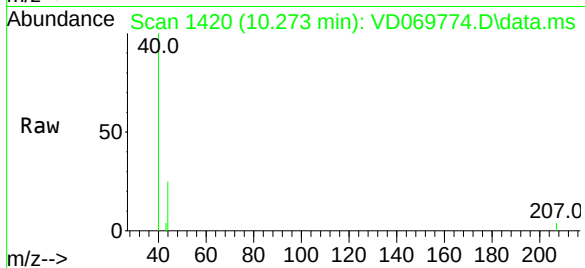




#51
4-Methyl-2-Pentanone
Concen: 113.264 ug/l
RT: 10.273 min Scan# 1420
Delta R.T. 0.047 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

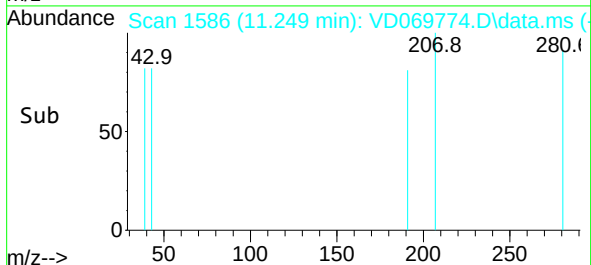
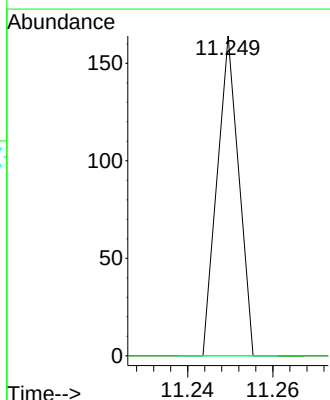
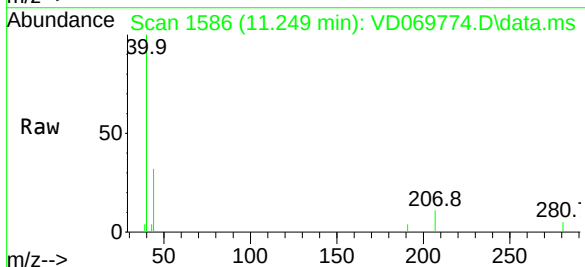
Instrument :
MSVOA_D
ClientSampleId :

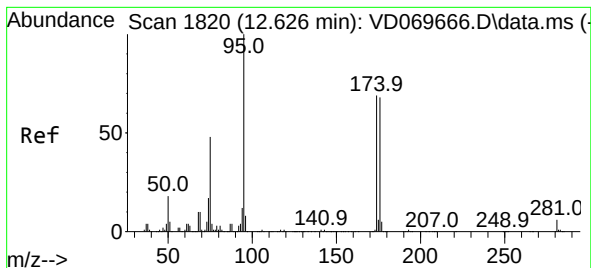
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#



#59
2-Hexanone
Concen: 140.799 ug/l
RT: 11.249 min Scan# 1586
Delta R.T. 0.270 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

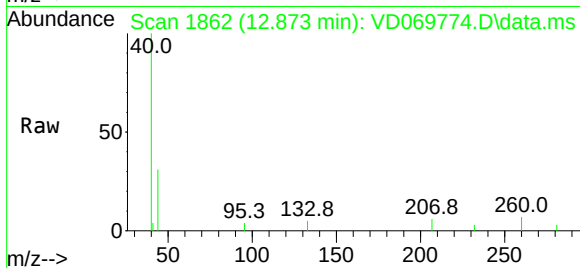
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



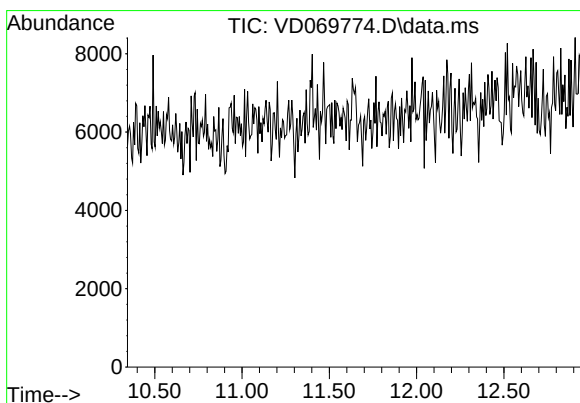
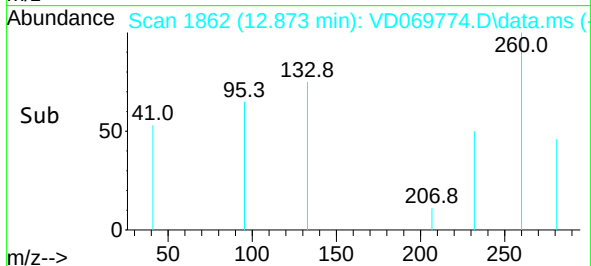
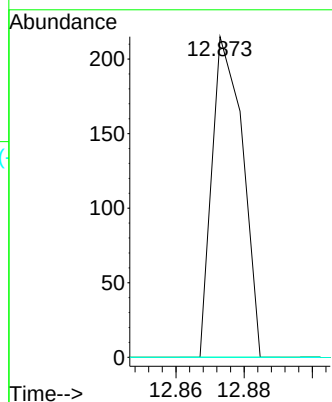


#62
4-Bromofluorobenzene
Concen: 92.309 ug/l
RT: 12.873 min Scan# 1862
Delta R.T. 0.247 min
Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :



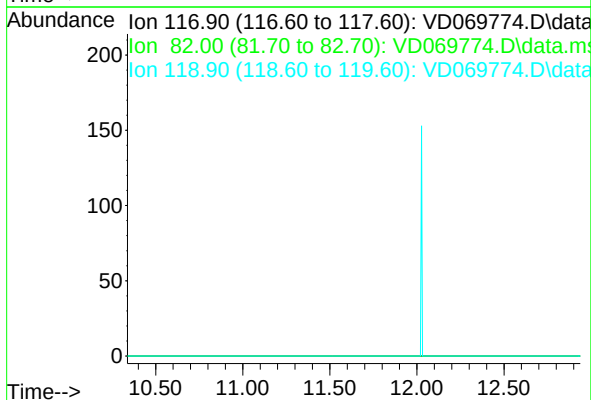
Tgt Ion:	95	Resp:	134
Ion Ratio	100	Lower	Upper
174	0.0	0.0	140.0
176	0.0	0.0	136.2

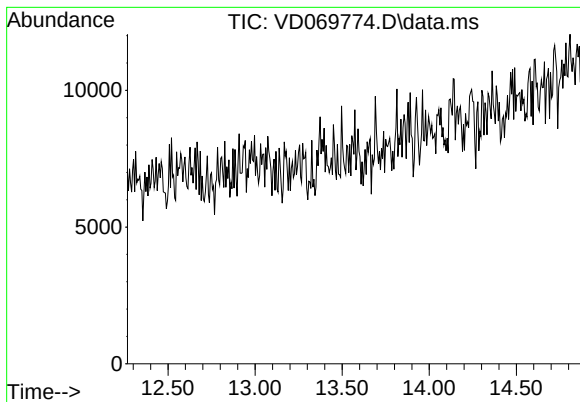


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.64 min

Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

Tgt Ion:	117
Sig	Exp Ratio
117	100
82	59.3
119	31.9





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

Lab File: VD069774.D
Acq: 20 Jul 2021 17:17

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

Instrument :
MSVOA_D
ClientSampleId :

