

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069965.D
 Acq On : 03 Aug 2021 14:45
 Operator : VA/SY
 Sample : M3268-06
 Misc : 7.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:32:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

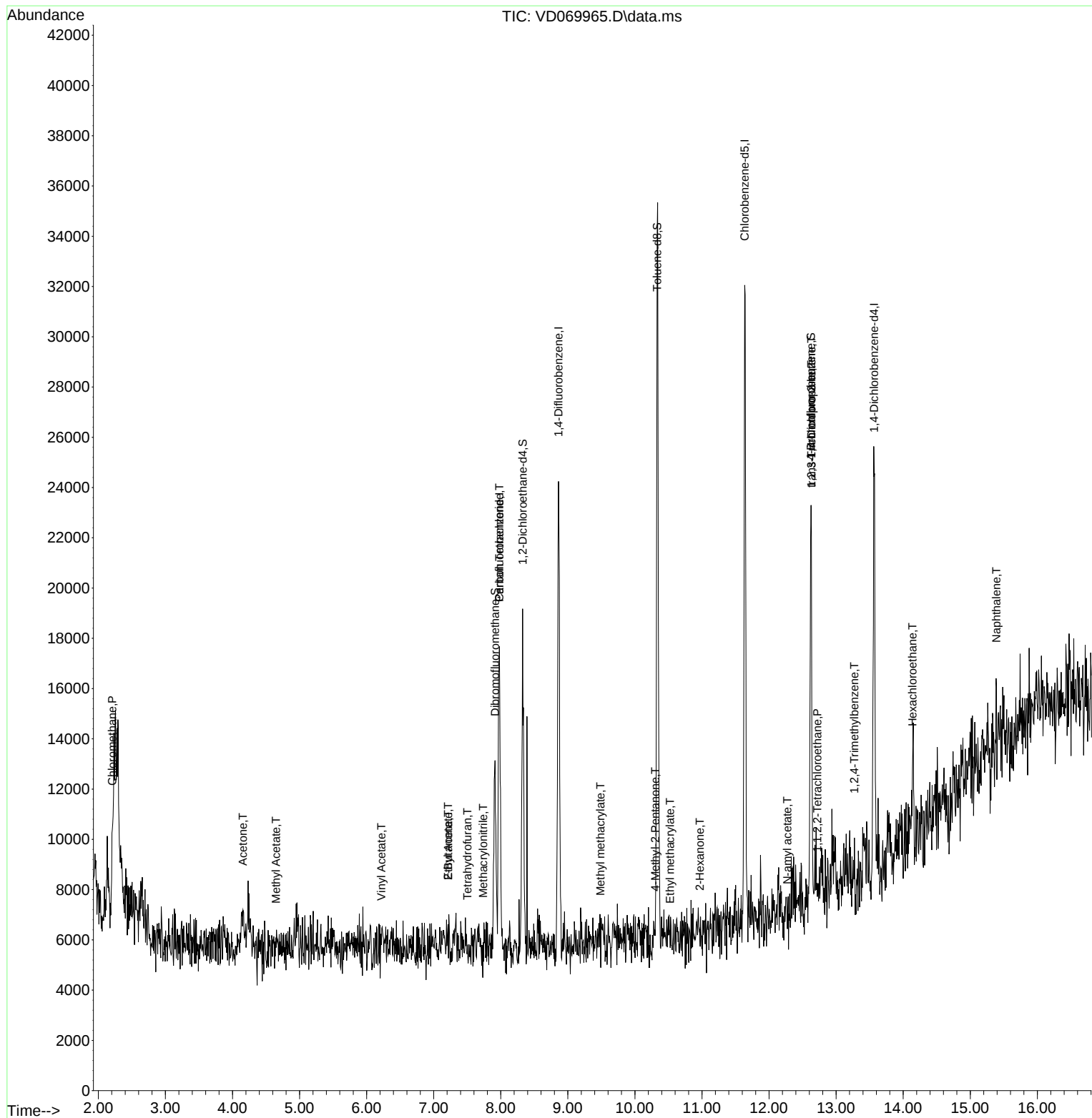
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	9062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	14966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8866	85.069	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.140%#	
35) Dibromofluoromethane	7.914	113	5616	55.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.880%	
50) Toluene-d8	10.332	98	19697	50.883	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.626	95	6437	49.756	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.520%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	173	1.250	ug/l #	43
5) Bromomethane	2.803	94	86	Below Cal	#	3
16) Acetone	4.156	43	3256	172.942	ug/l #	86
18) Methyl Acetate	4.650	43	60	1.098	ug/l #	48
20) Methylene Chloride	4.961	84	449	Below Cal	#	63
23) Vinyl Acetate	6.220	43	174	21.229	ug/l #	71
25) 2-Butanone	7.214	43	836	32.743	ug/l #	46
29) Tetrahydrofuran	7.502	42	63	3.814	ug/l #	32
37) Ethyl Acetate	7.214	43	836	13.362	ug/l #	67
38) Carbon Tetrachloride	7.979	117	964	6.141	ug/l #	12
41) Methacrylonitrile	7.738	41	89	2.711	ug/l #	18
48) Methyl methacrylate	9.485	41	56	3.633	ug/l #	13
51) 4-Methyl-2-Pentanone	10.302	43	86	1.473	ug/l #	34
56) Ethyl methacrylate	10.526	69	125	4.923	ug/l #	72
59) 2-Hexanone	10.967	43	66	1.709	ug/l #	21
74) N-amyl acetate	12.273	43	303	3.907	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.720	83	82	1.089	ug/l #	26
76) 1,2,3-Trichloropropane	12.632	75	2849	51.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.632	75	2849	154.973	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.273	105	516	1.622	ug/l	99
90) Hexachloroethane	14.137	117	92	1.290	ug/l #	18
95) Naphthalene	15.390	128	116	5.607	ug/l #	69

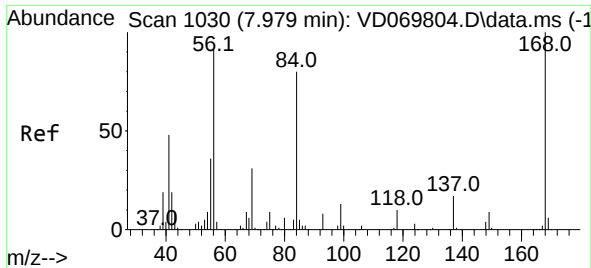
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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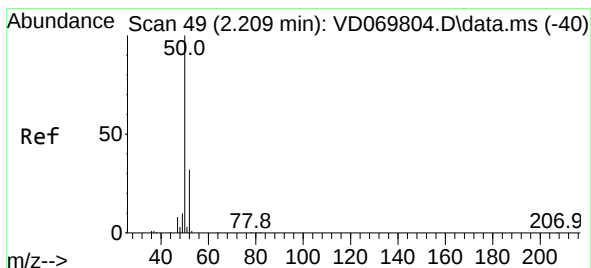
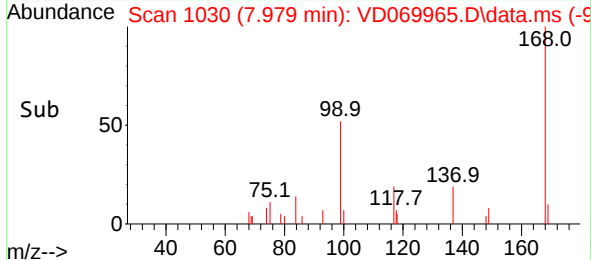
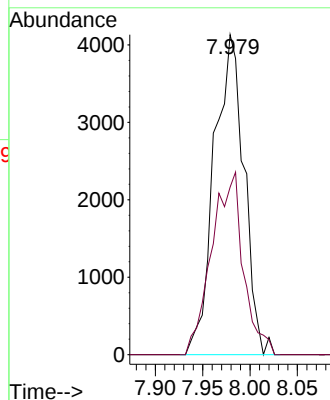
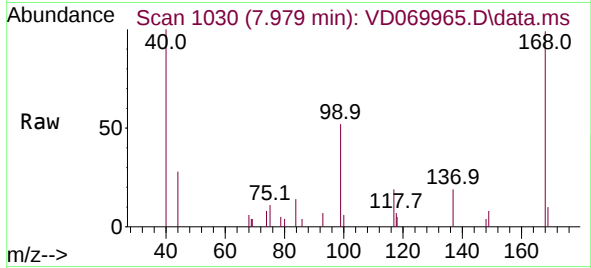




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

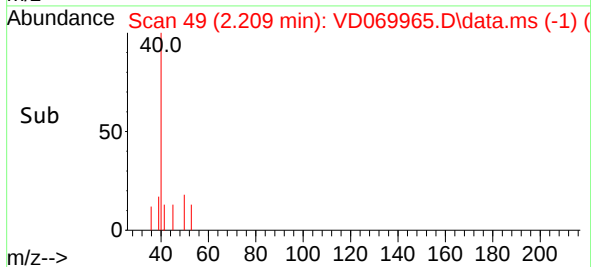
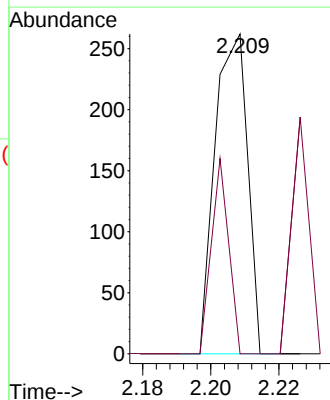
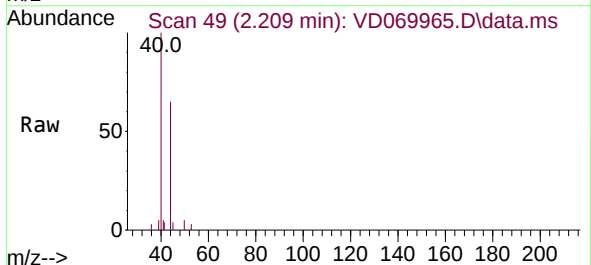
Instrument :
MSVOA_D
ClientSampled :

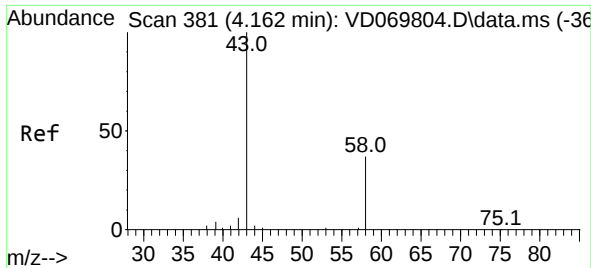
Tgt Ion:168 Resp: 9062
Ion Ratio Lower Upper
168 100
99 52.4 51.1 76.7



#3
Chloromethane
Concen: 1.250 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 50 Resp: 173
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

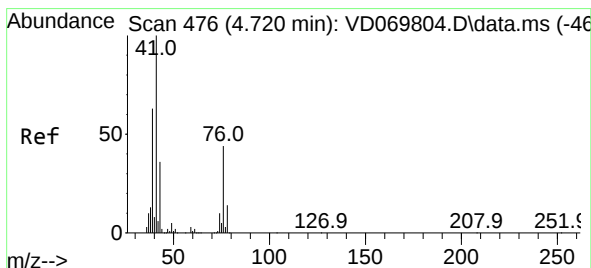
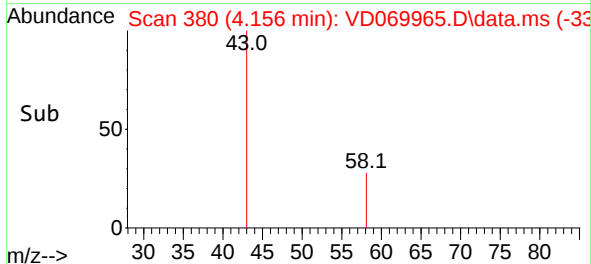
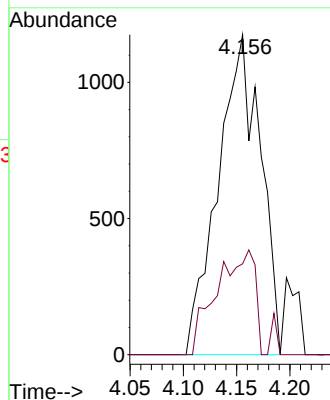
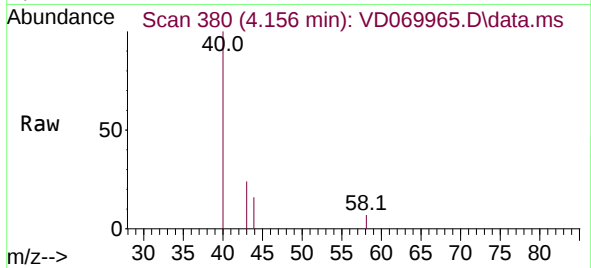




#16
Acetone
Concen: 172.942 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

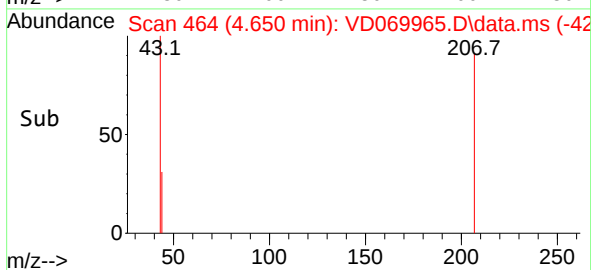
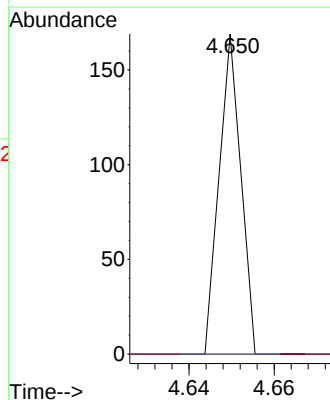
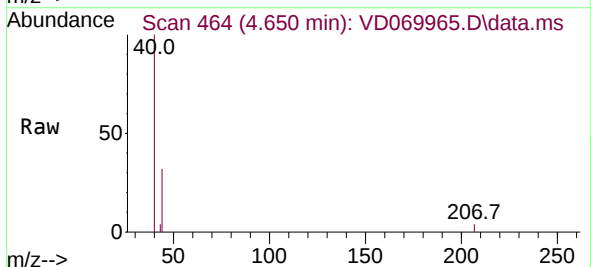
Instrument :
MSVOA_D
ClientSampleId :

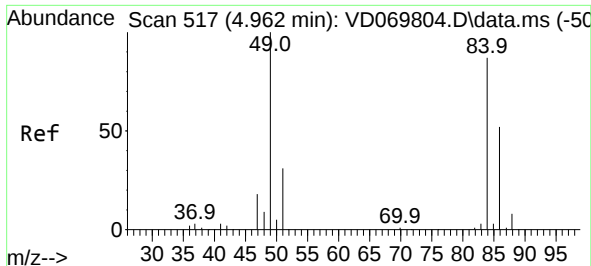
Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
58 28.4 29.4 44.0#



#18
Methyl Acetate
Concen: 1.098 ug/l
RT: 4.650 min Scan# 464
Delta R.T. -0.071 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#

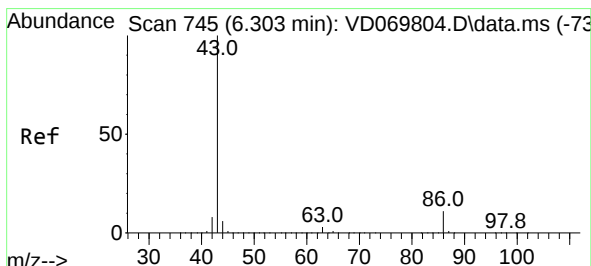
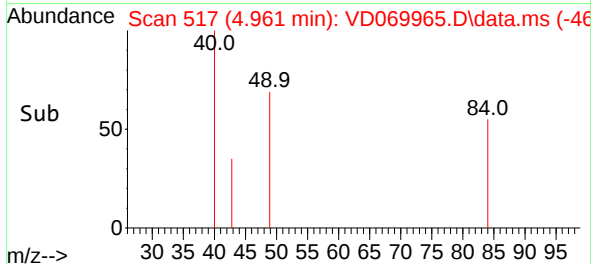
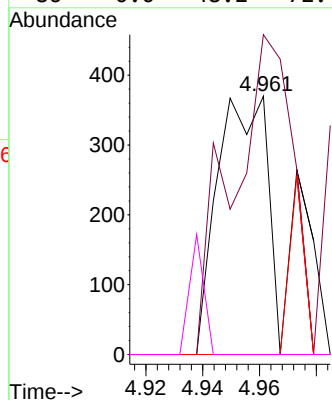
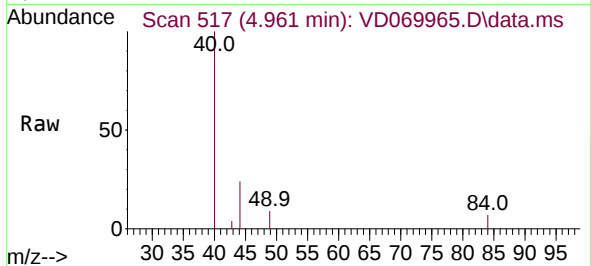




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

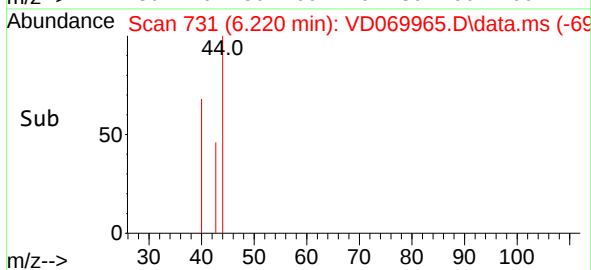
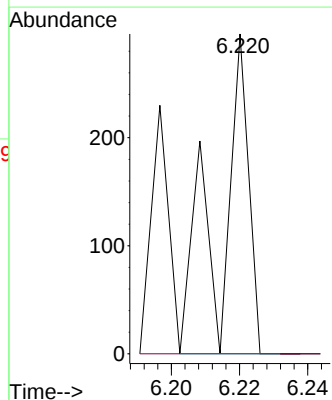
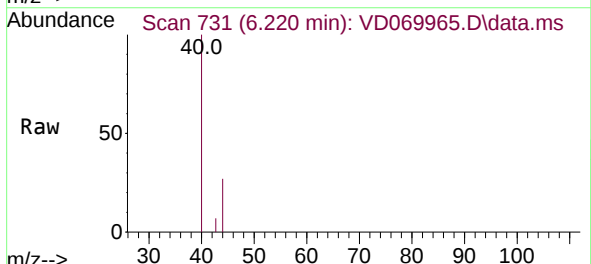
Instrument :
MSVOA_D
ClientSampled :

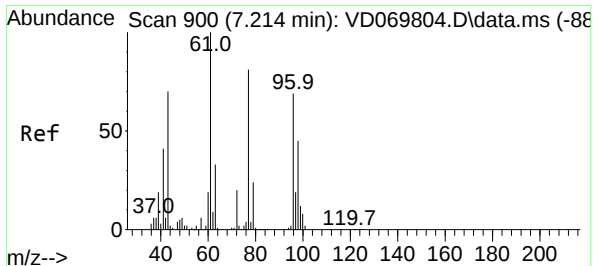
Tgt Ion:	84	Resp:	449
Ion	Ratio	Lower	Upper
84	100		
49	123.8	92.4	138.6
51	0.0	28.5	42.7#
86	0.0	48.2	72.4#



#23
Vinyl Acetate
Concen: 21.229 ug/l
RT: 6.220 min Scan# 731
Delta R.T. -0.083 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion:	43	Resp:	174
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

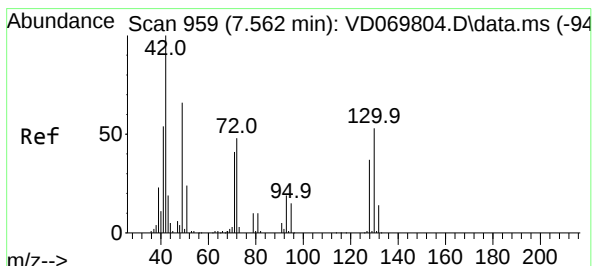
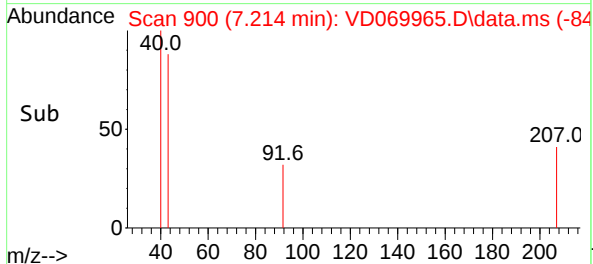
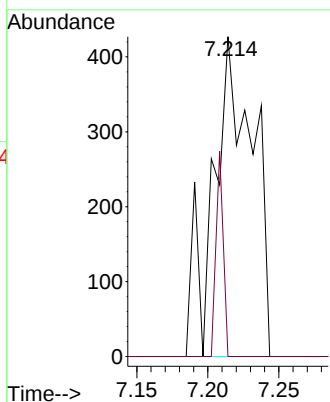
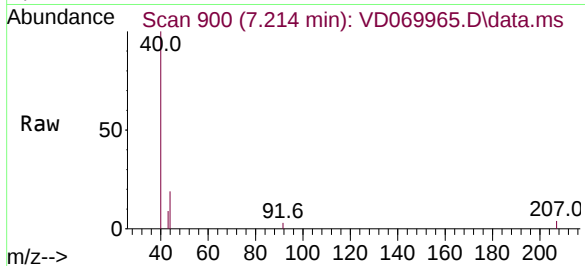




#25
2-Butanone
Concen: 32.743 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

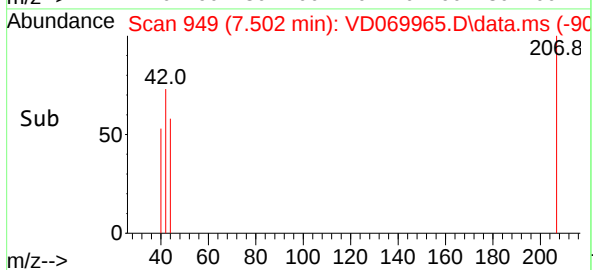
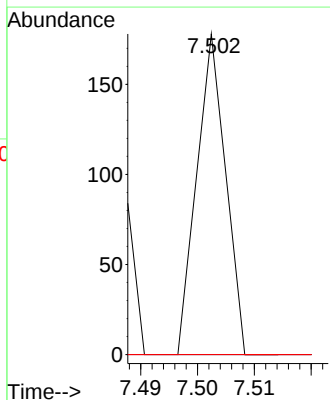
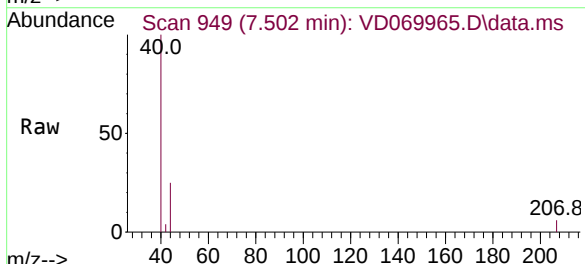
Instrument :
MSVOA_D
ClientSampleId :

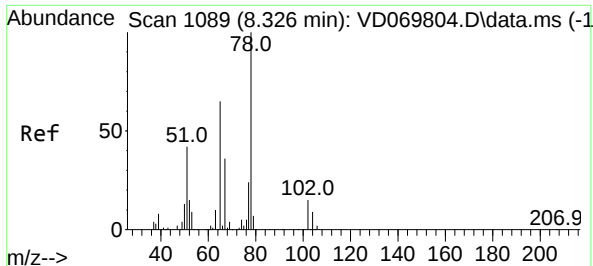
Tgt Ion: 43 Resp: 836
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#29
Tetrahydrofuran
Concen: 3.814 ug/l
RT: 7.502 min Scan# 949
Delta R.T. -0.059 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 42 Resp: 63
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.5 50.3#

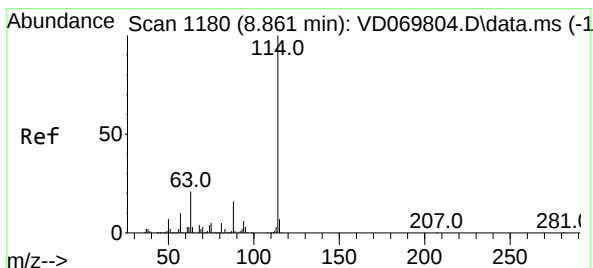
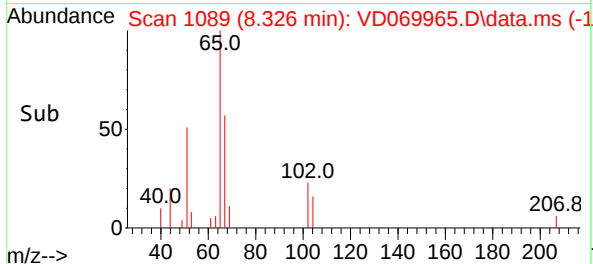
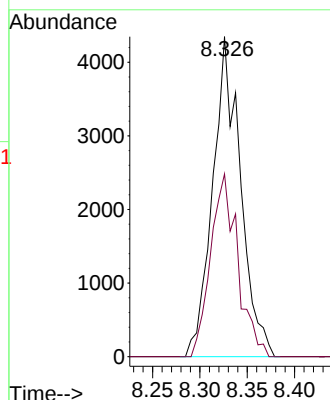
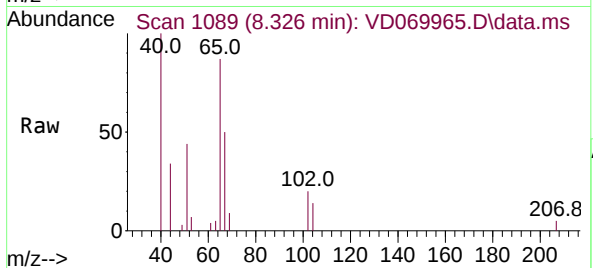




#33
1,2-Dichloroethane-d4
Concen: 85.069 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

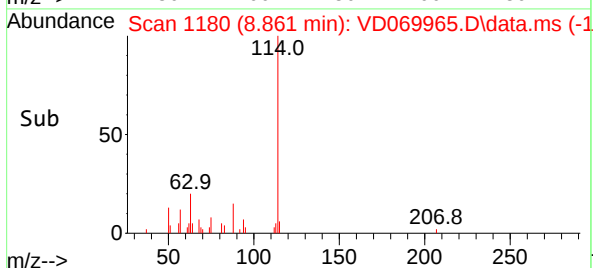
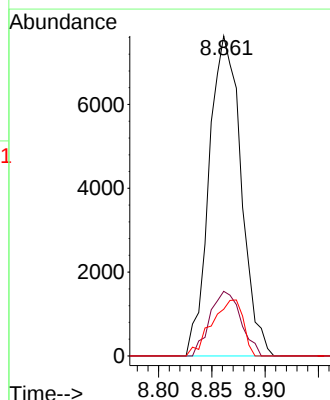
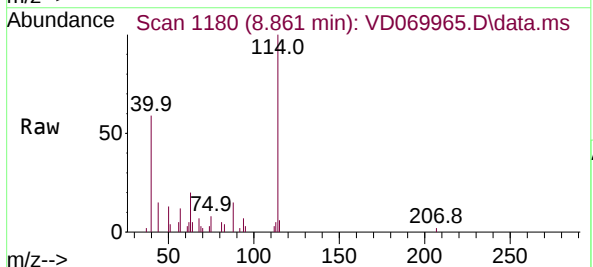
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MSVOA_D
ClientSampleId :

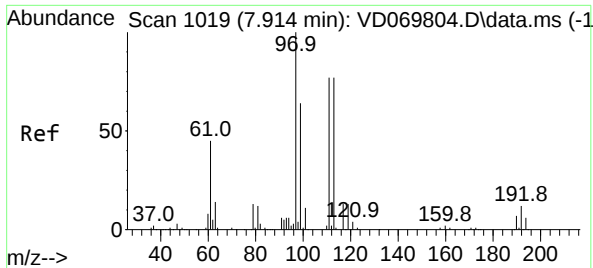
Tgt Ion: 65 Resp: 8866
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 114 Resp: 15925
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 14.6 0.0 31.4

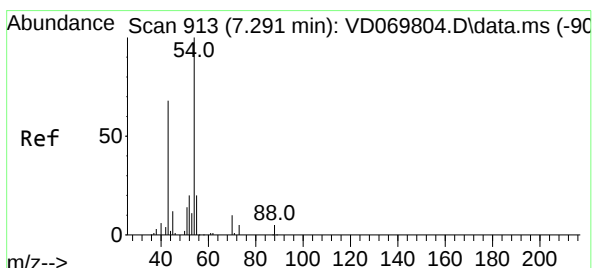
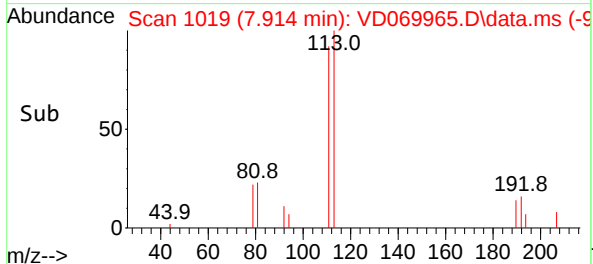
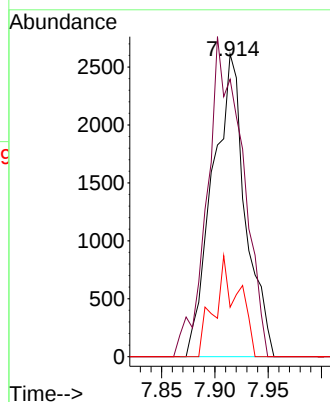
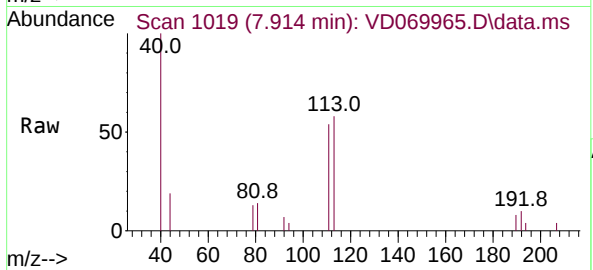




#35
Dibromofluoromethane
Concen: 55.941 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

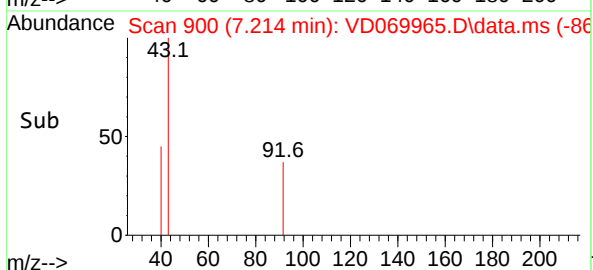
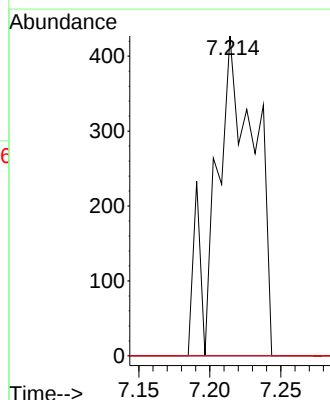
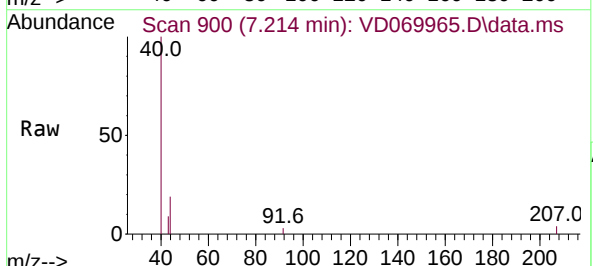
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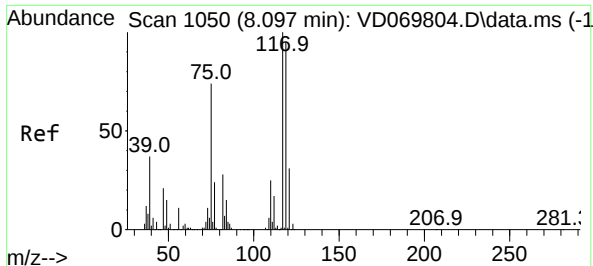
Tgt Ion:	113	Resp:	5616
Ion	Ratio	Lower	Upper
113	100		
111	113.0	80.5	120.7
192	24.6	12.6	19.0#



#37
Ethyl Acetate
Concen: 13.362 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion:	43	Resp:	836
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	8.9	13.3#

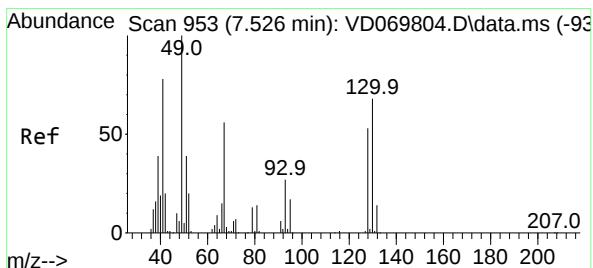
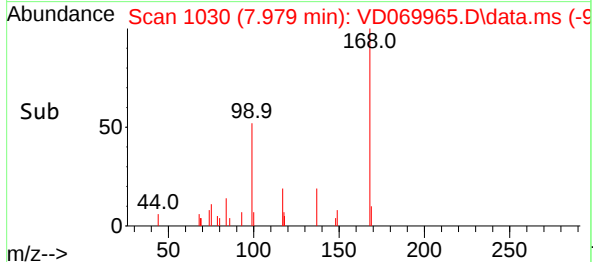
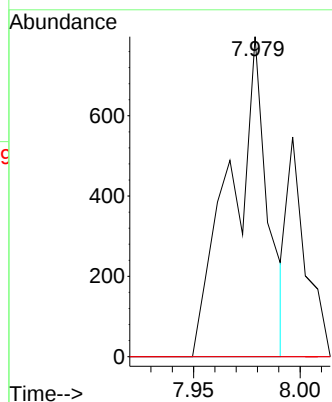
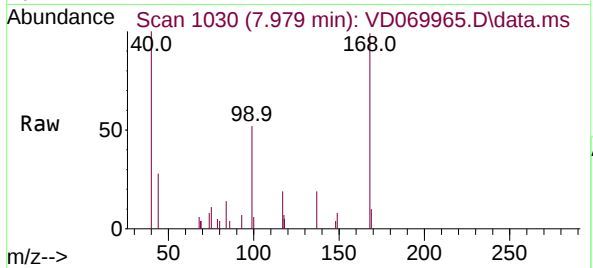




#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

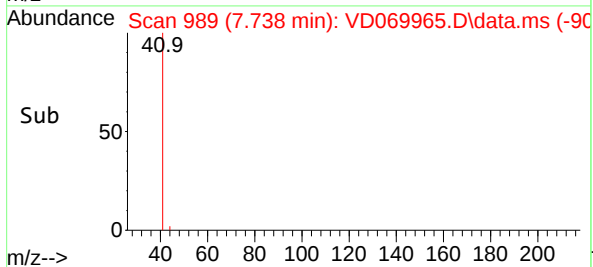
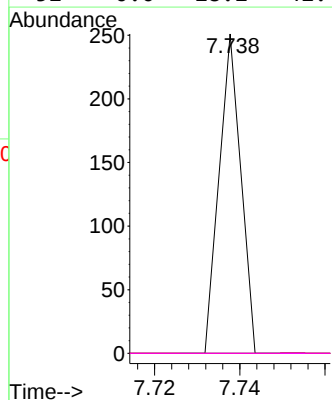
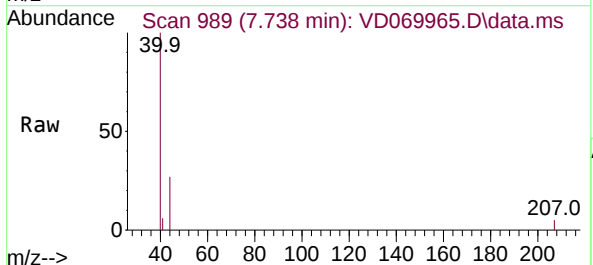
Instrument :
MSVOA_D
ClientSampleId :

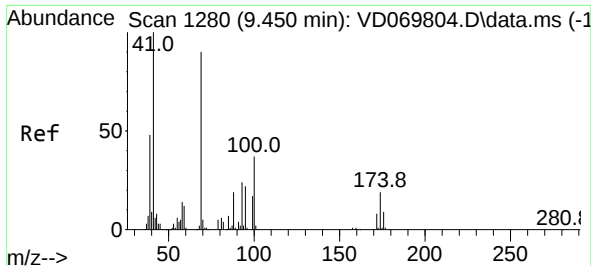
Tgt Ion:117 Resp: 964
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 2.711 ug/l
RT: 7.738 min Scan# 989
Delta R.T. 0.211 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 41 Resp: 89
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 69.3 103.9#
52 0.0 28.2 42.4#





#48

Methyl methacrylate

Concen: 3.633 ug/l

RT: 9.485 min Scan# 1286

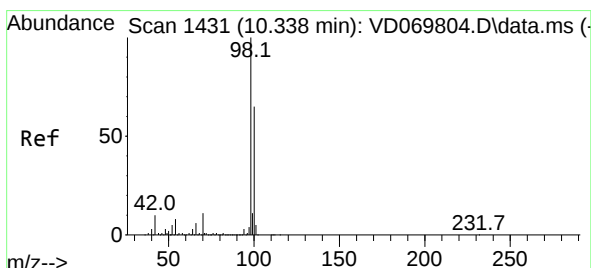
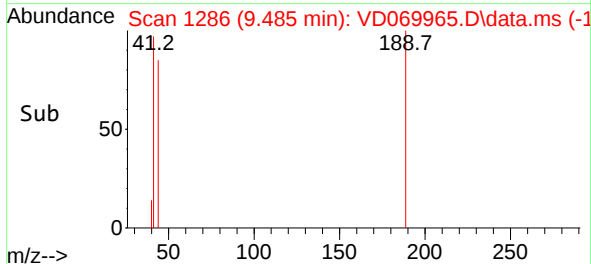
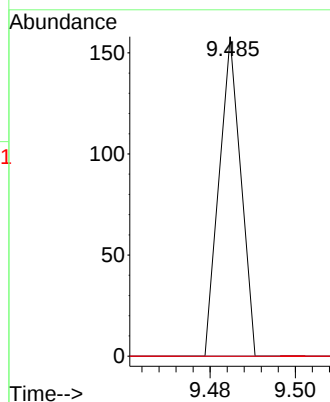
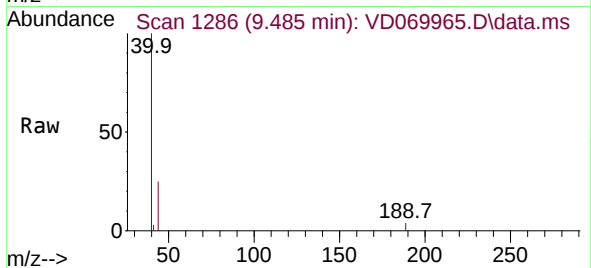
Delta R.T. 0.035 min

Lab File: VD069965.D

Acq: 03 Aug 2021 14:45

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	56
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	0.0	36.6	55.0#



#50

Toluene-d8

Concen: 50.883 ug/l

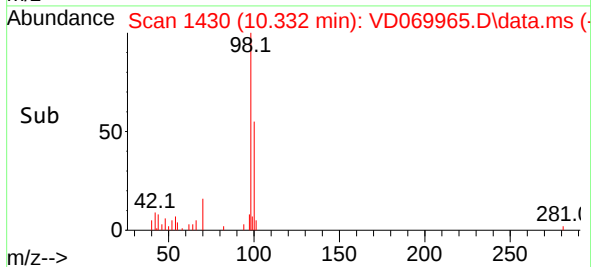
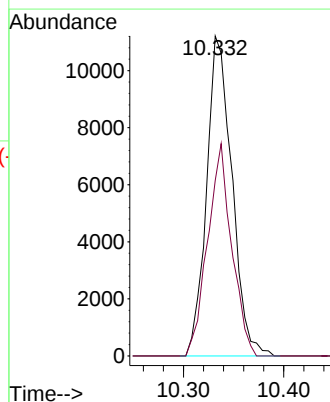
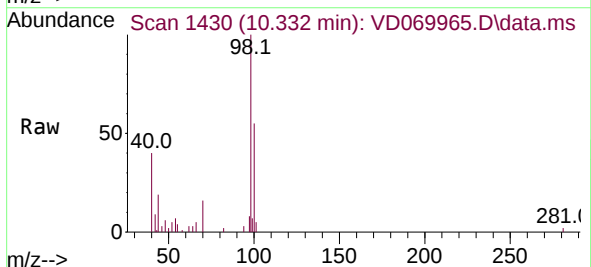
RT: 10.332 min Scan# 1430

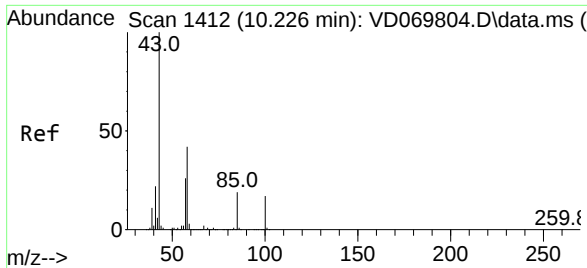
Delta R.T. -0.006 min

Lab File: VD069965.D

Acq: 03 Aug 2021 14:45

Tgt Ion:	98	Resp:	19697
Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.9	77.9

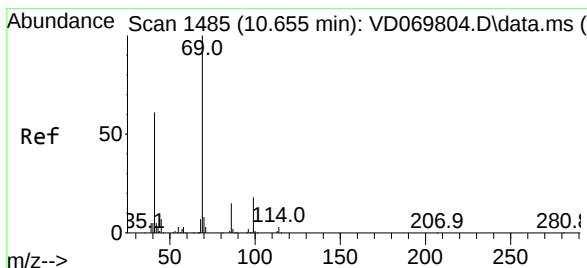
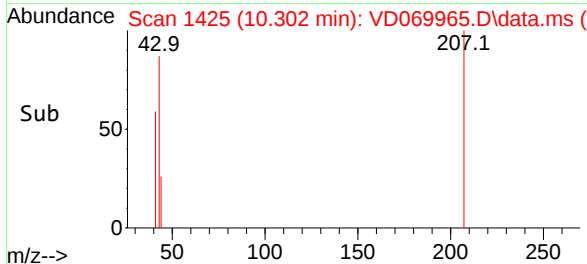
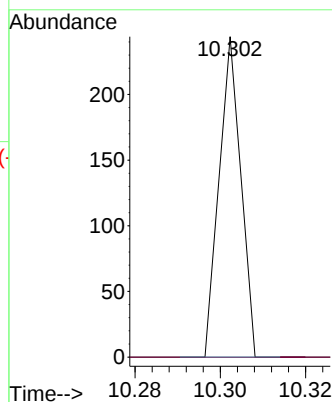
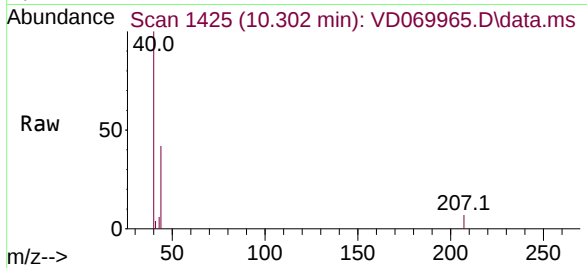




#51
4-Methyl-2-Pentanone
Concen: 1.473 ug/l
RT: 10.302 min Scan# 1425
Delta R.T. 0.076 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

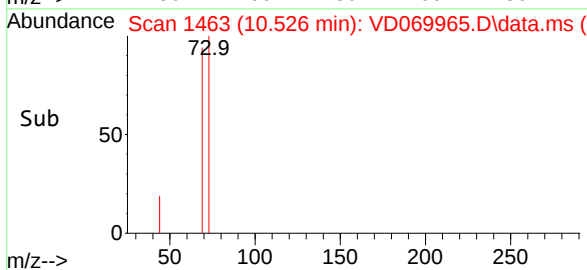
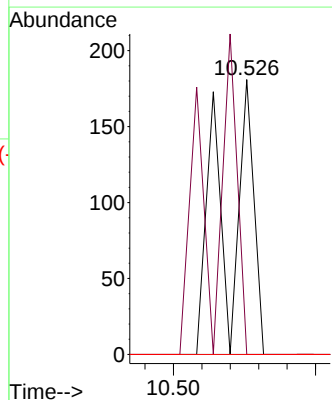
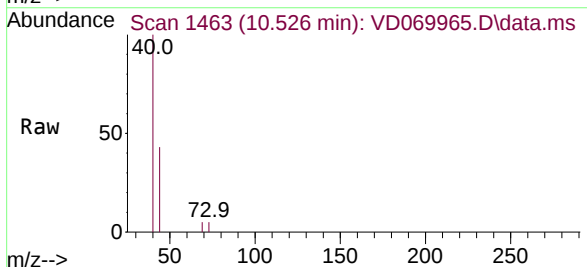
Instrument :
MSVOA_D
ClientSampled :

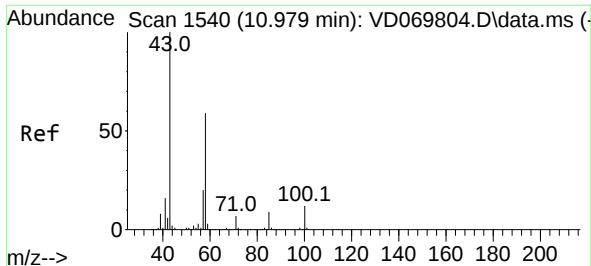
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
58 0.0 33.7 50.5#



#56
Ethyl methacrylate
Concen: 4.923 ug/l
RT: 10.526 min Scan# 1463
Delta R.T. -0.129 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 69 Resp: 125
Ion Ratio Lower Upper
69 100
41 49.6 50.2 75.2#
39 0.0 22.0 33.0#

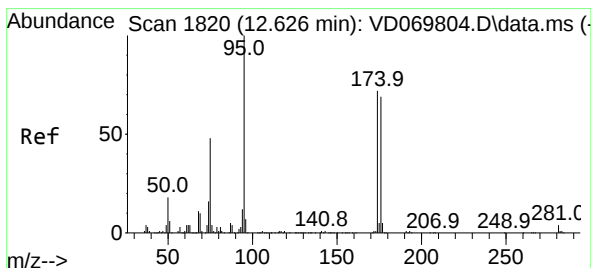
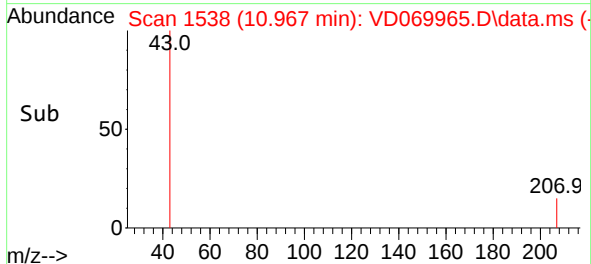
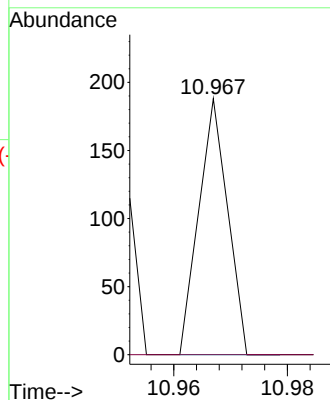
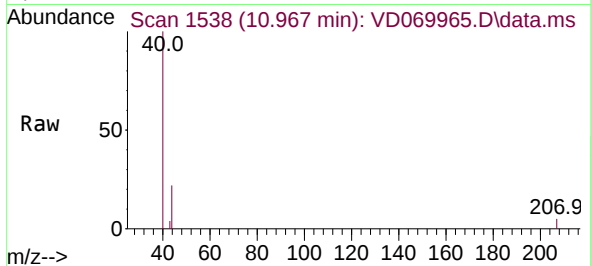




#59
2-Hexanone
Concen: 1.709 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

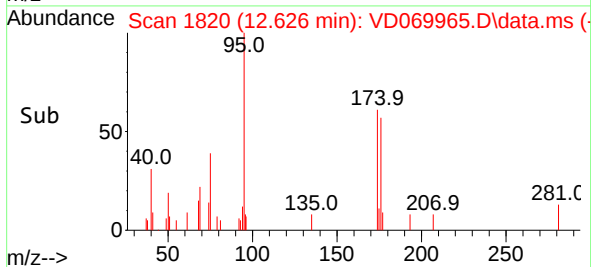
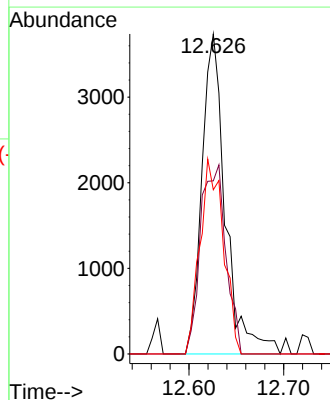
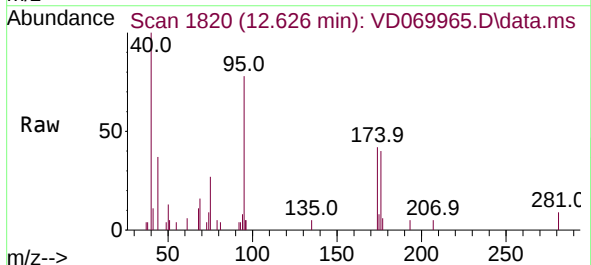
Instrument :
MSVOA_D
ClientSampled :

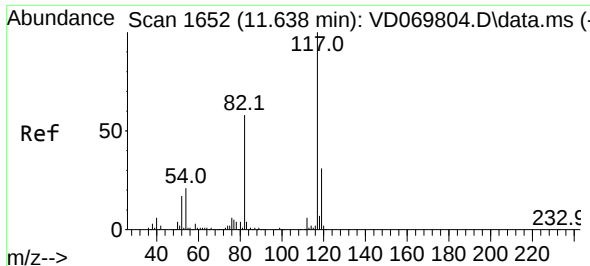
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 49.756 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 95 Resp: 6437
Ion Ratio Lower Upper
95 100
174 63.6 0.0 142.6
176 61.1 0.0 134.2

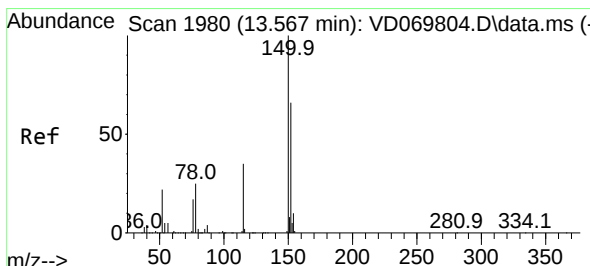
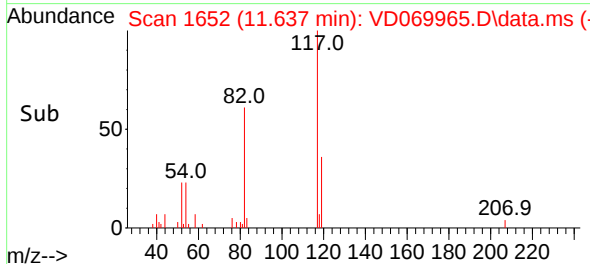
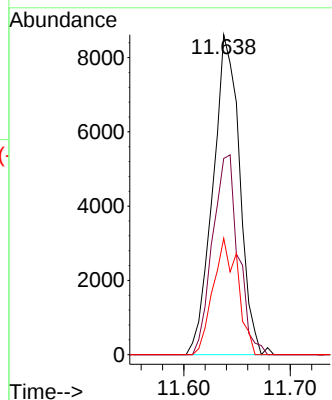
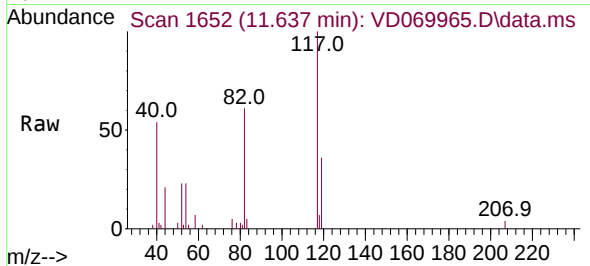




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

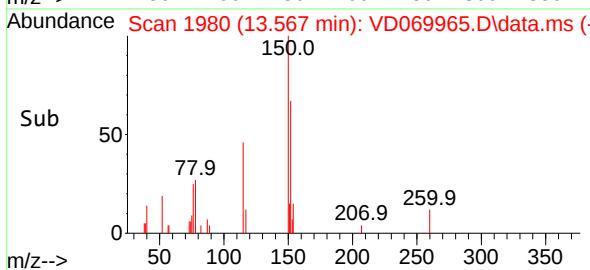
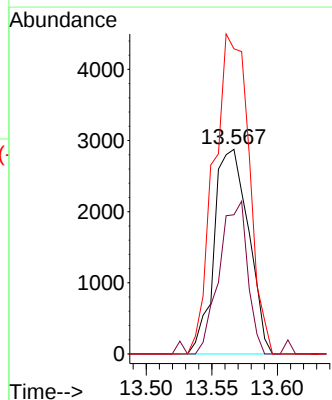
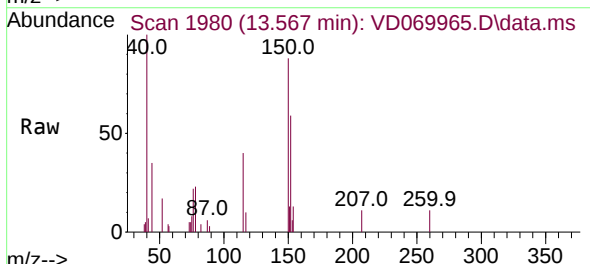
Instrument :
MSVOA_D
ClientSampleId :

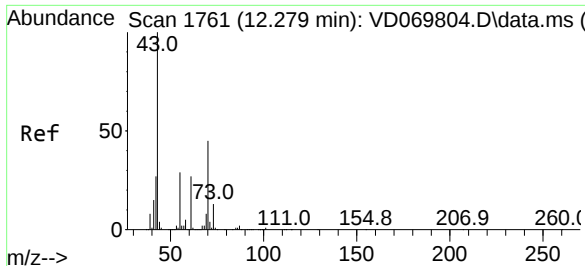
Tgt Ion:	117	Resp:	14966
Ion Ratio	Lower	Upper	
117	100		
82	61.3	46.3	69.5
119	36.4	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

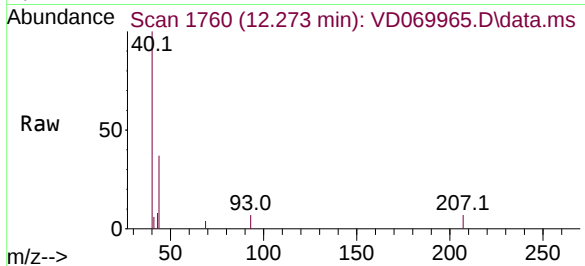
Tgt Ion:	152	Resp:	5247
Ion Ratio	Lower	Upper	
152	100		
115	61.1	31.1	93.3
150	160.0	0.0	343.0



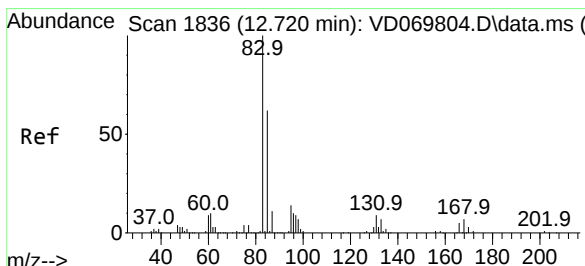
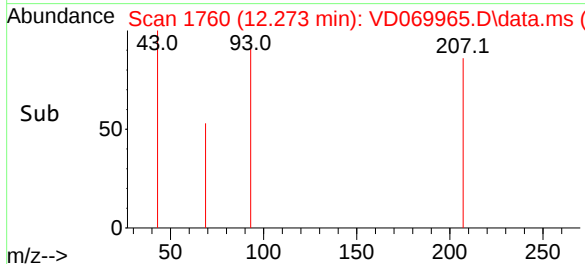
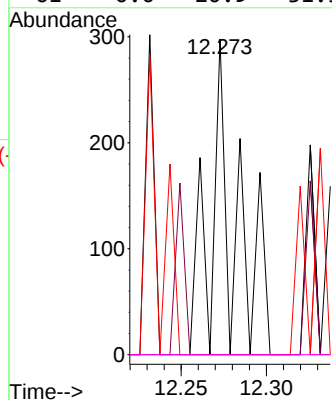


#74
N-amy1 acetate
Concen: 3.907 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Instrument :
MSVOA_D
ClientSampleId :

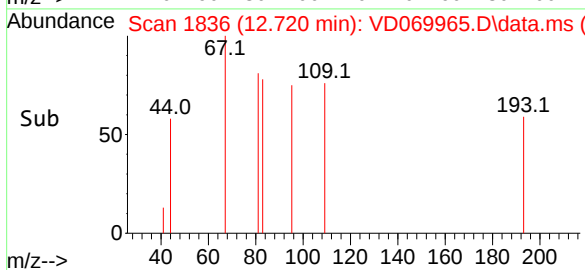
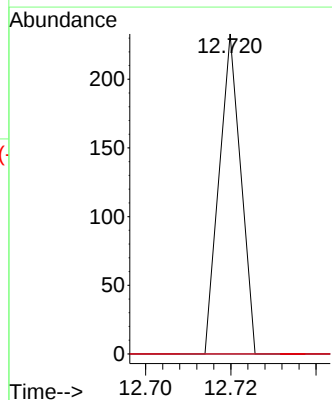
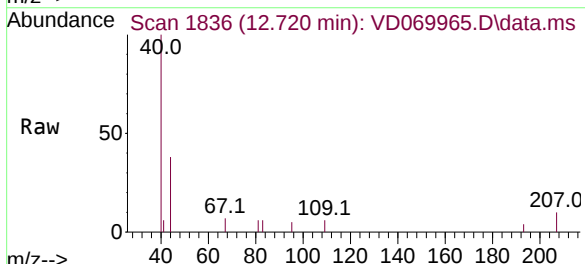


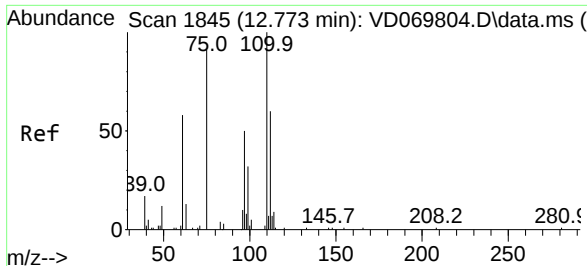
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.9	56.9#
55	0.0	23.7	35.5#
61	0.0	20.9	31.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.089 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	31.8	95.4#

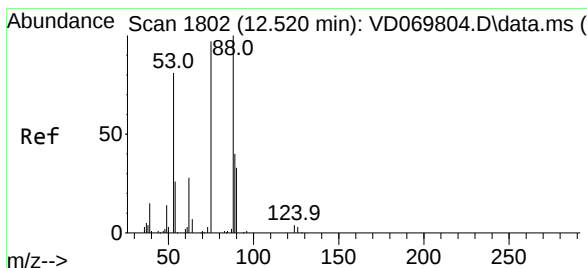
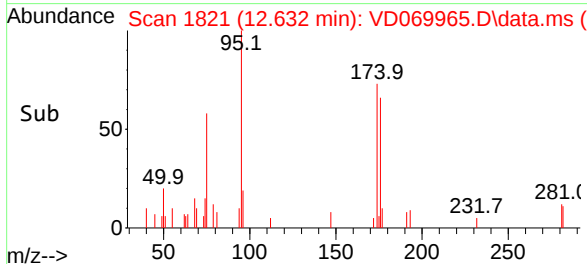
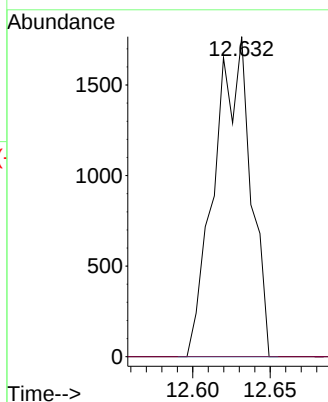
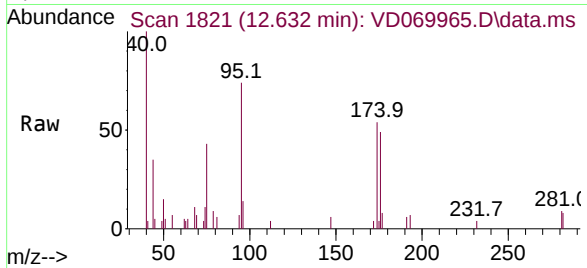




#76
1,2,3-Trichloropropane
Concen: 51.083 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

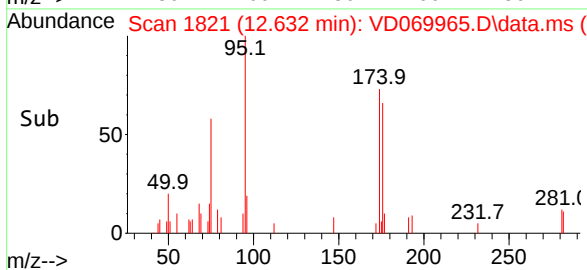
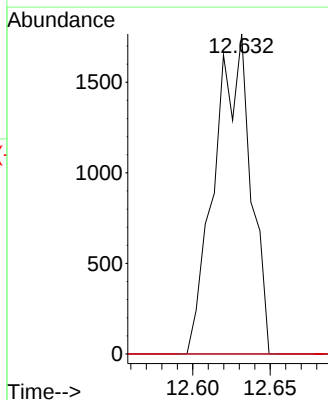
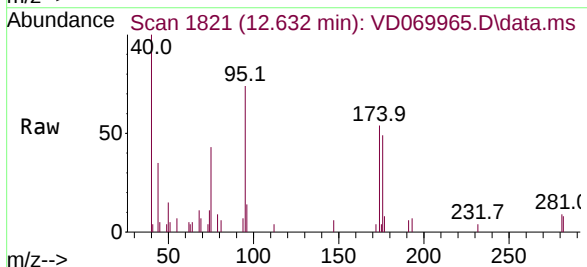
Instrument :
MSVOA_D
ClientSampleId :

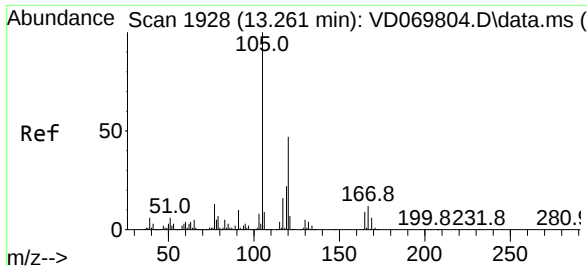
Tgt Ion: 75 Resp: 2849
Ion Ratio Lower Upper
75 100
77 0.0 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.973 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.111 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion: 75 Resp: 2849
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#

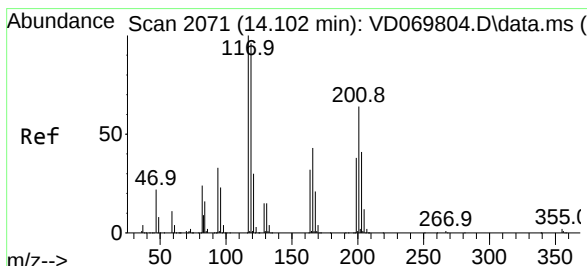
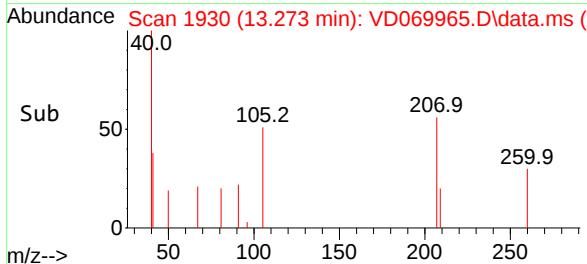
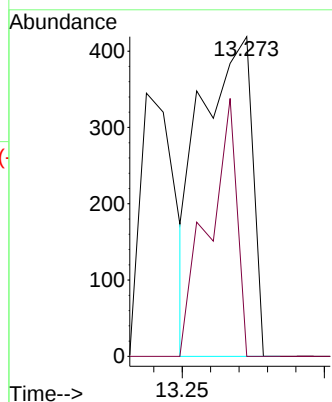
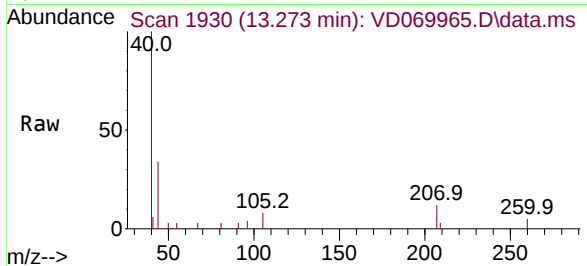




#84
1,2,4-Trimethylbenzene
Concen: 1.622 ug/l
RT: 13.273 min Scan# 1930
Delta R.T. 0.011 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

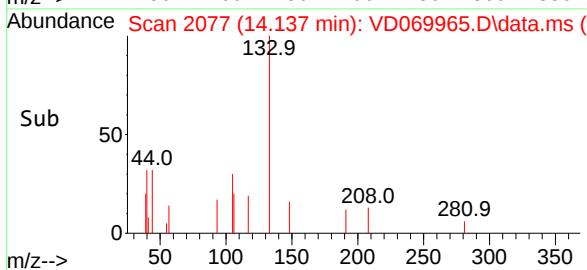
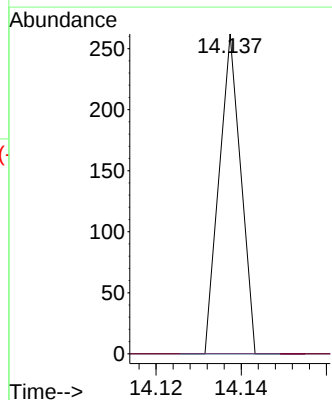
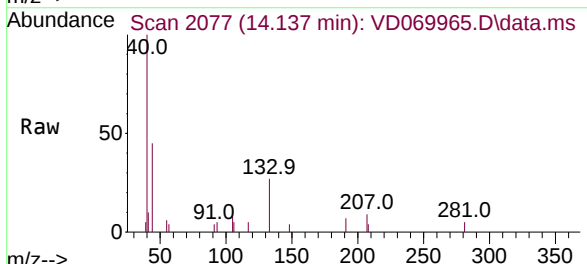
Instrument :
MSVOA_D
ClientSampled :

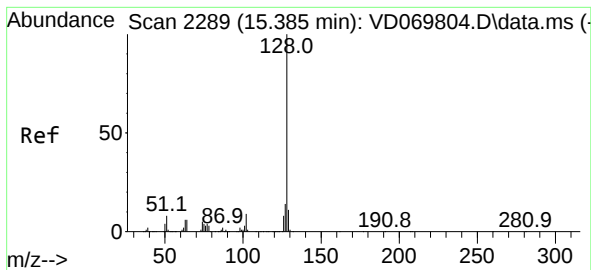
Tgt Ion:105 Resp: 516
Ion Ratio Lower Upper
105 100
120 45.5 22.6 67.8



#90
Hexachloroethane
Concen: 1.290 ug/l
RT: 14.137 min Scan# 2077
Delta R.T. 0.035 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Tgt Ion:117 Resp: 92
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#





#95
Naphthalene
Concen: 5.607 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069965.D
Acq: 03 Aug 2021 14:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 116
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

