

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069241.D
 Acq On : 21 May 2021 16:25
 Operator : VA/SY
 Sample : M2490-02
 Misc : 5.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11986

Quant Time: May 22 00:35:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	17334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	29619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	32591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	14776	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	17379	100.01	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	200.02%#
35) Dibromofluoromethane	7.920	113	13158	68.26	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	136.52%
50) Toluene-d8	10.332	98	37119	52.41	ug/l	-0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.82%
62) 4-Bromofluorobenzene	12.632	95	12176	53.43	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.86%

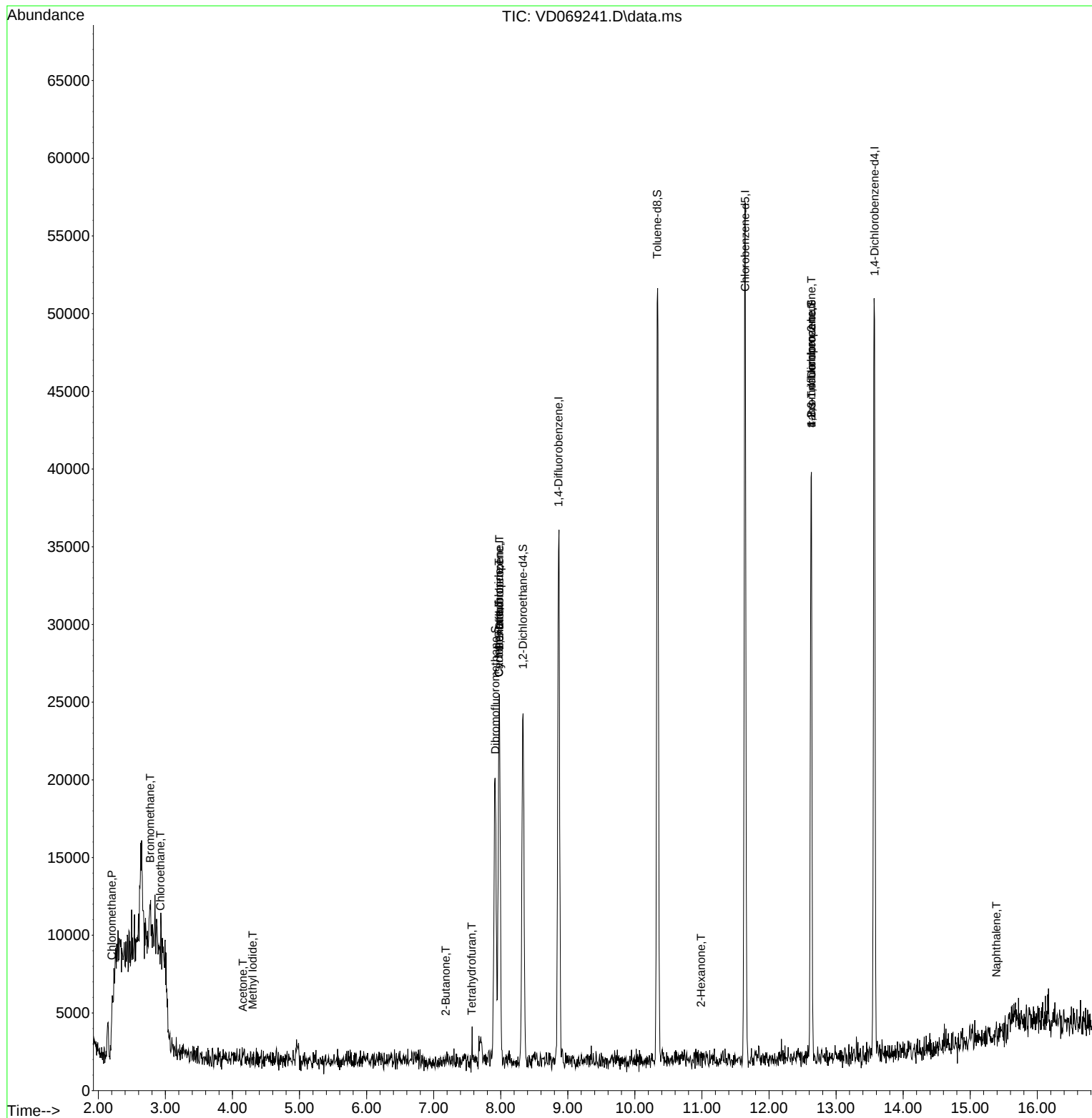
Target Compounds						Qvalue
3) Chloromethane	2.203	50	527	2.49	ug/l #	15
5) Bromomethane	2.774	94	1446	6.89	ug/l #	77
6) Chloroethane	2.926	64	278	1.55	ug/l #	43
10) Methyl Iodide	4.303	142	375	2.76	ug/l #	56
11) Tert butyl alcohol	5.238	59	82	Below Cal	#	73
16) Acetone	4.156	43	681	25.59	ug/l #	41
20) Methylene Chloride	4.968	84	321	Below Cal	#	78
25) 2-Butanone	7.179	43	68	1.89	ug/l #	38
29) Tetrahydrofuran	7.567	42	57	2.91	ug/l #	24
31) Cyclohexane	7.973	56	530	2.06	ug/l #	57
36) 1,1-Dichloropropene	7.979	75	1612	5.60	ug/l #	40
38) Carbon Tetrachloride	7.973	117	2037	6.33	ug/l #	12
59) 2-Hexanone	10.985	43	66	1.14	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	6342	57.10	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	6342	115.33	ug/l #	14
95) Naphthalene	15.391	128	80	2.20	ug/l #	69

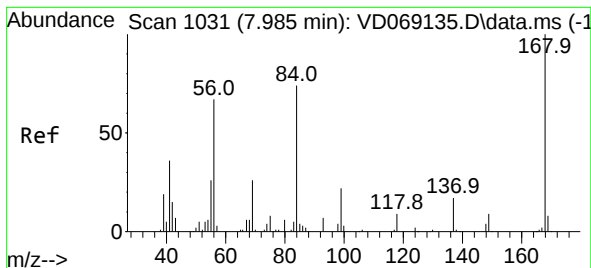
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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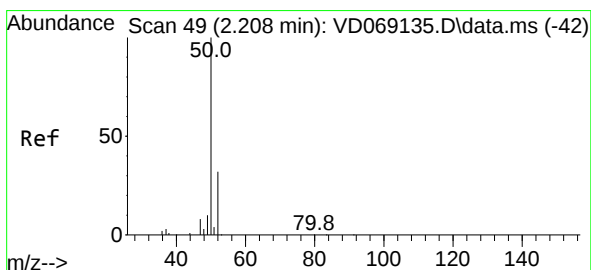
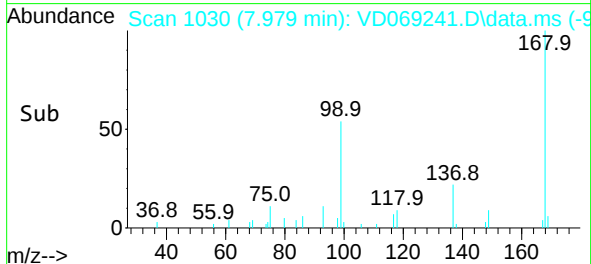
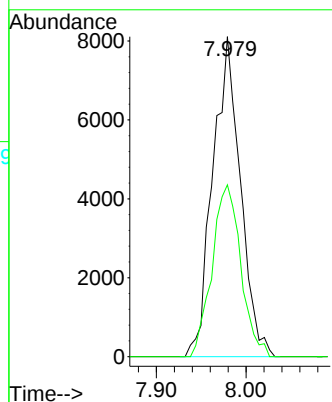
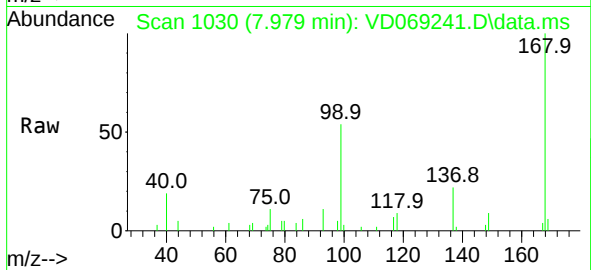




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

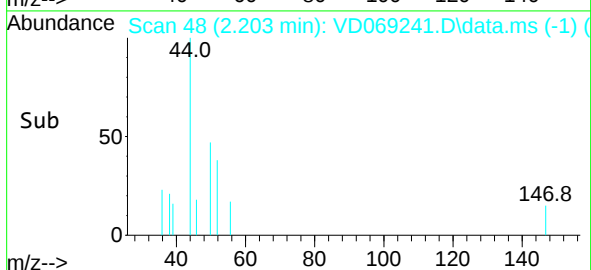
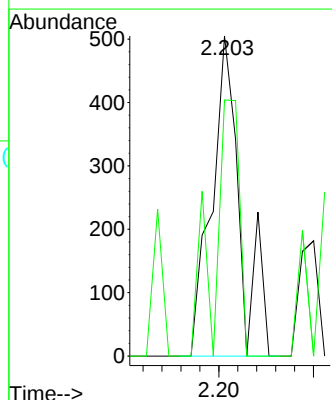
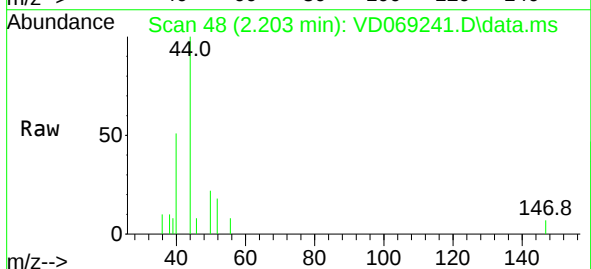
Instrument :
MSVOA_D
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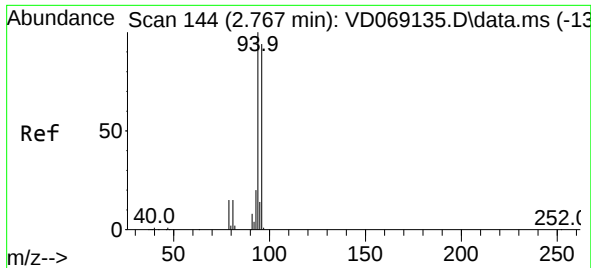
Tgt Ion:168 Resp: 17334
Ion Ratio Lower Upper
168 100
99 53.7 47.2 70.8



#3
Chloromethane
Concen: 2.49 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.005 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 50 Resp: 527
Ion Ratio Lower Upper
50 100
52 80.0 25.8 38.8#

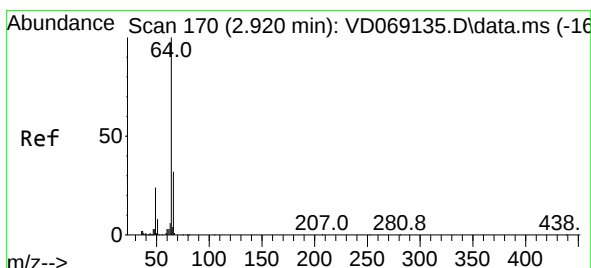
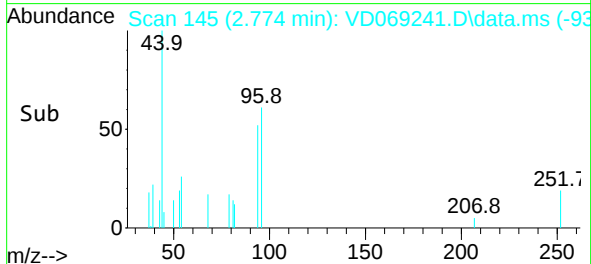
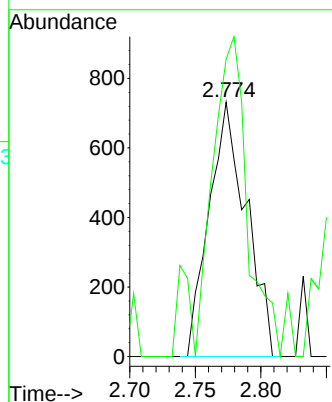
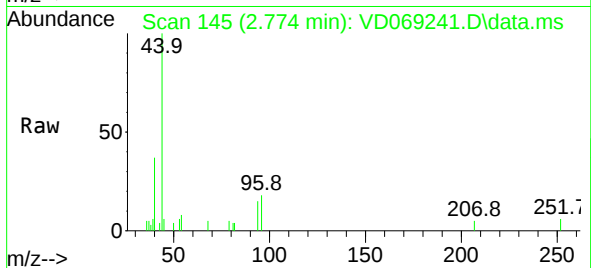




#5
Bromomethane
Concen: 6.89 ug/l
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

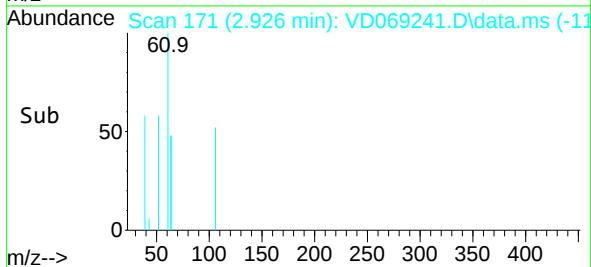
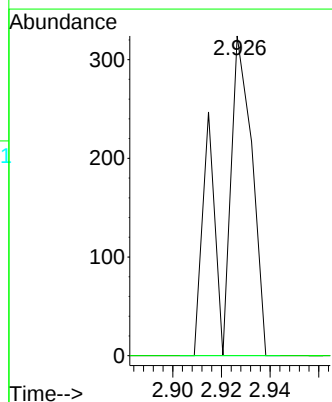
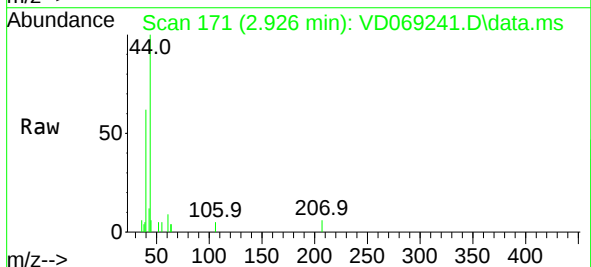
Instrument :
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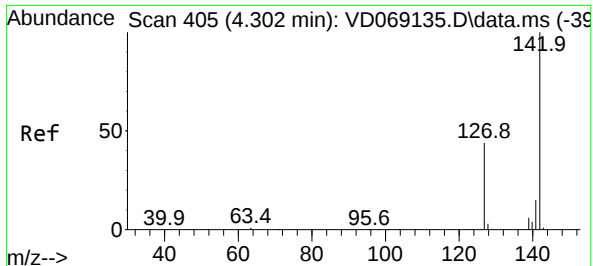
Tgt Ion: 94 Resp: 1446
Ion Ratio Lower Upper
94 100
96 116.8 75.4 113.0#



#6
Chloroethane
Concen: 1.55 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.006 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

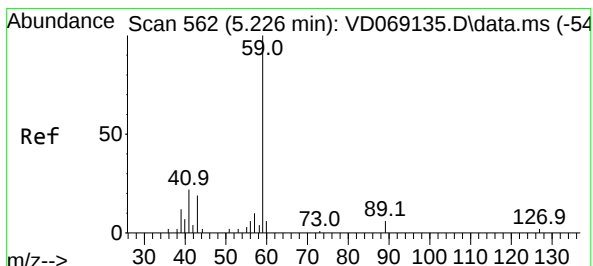
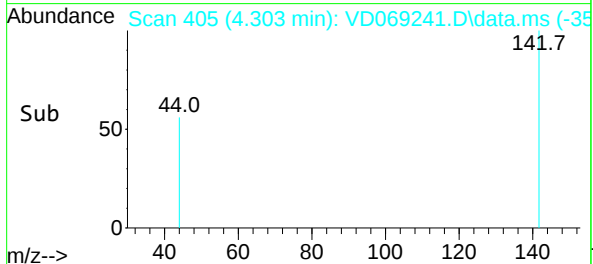
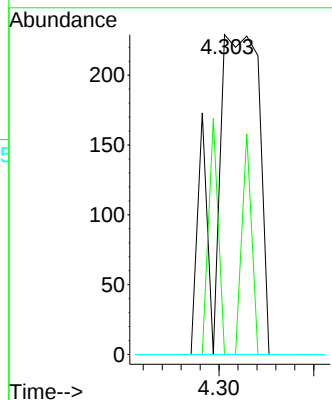
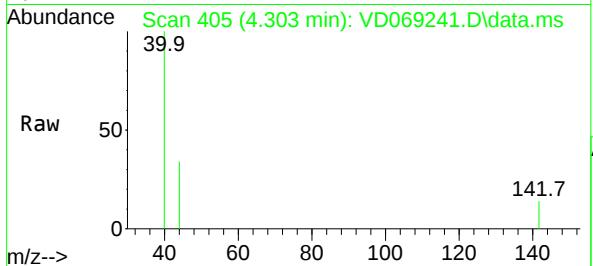




#10
Methyl Iodide
Concen: 2.76 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

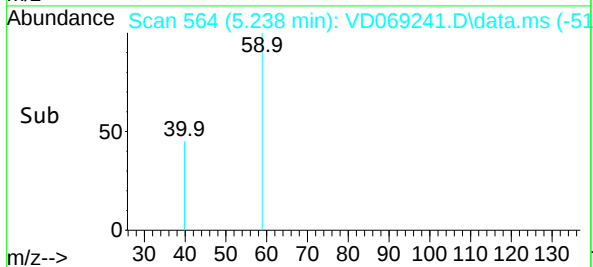
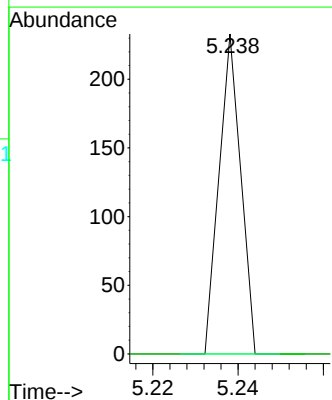
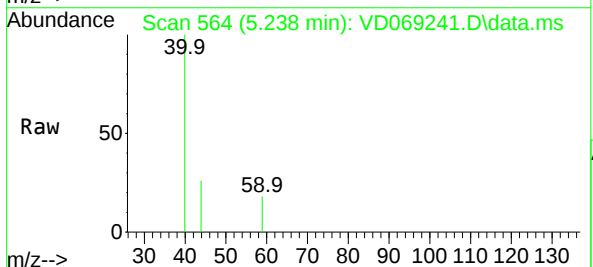
Instrument :
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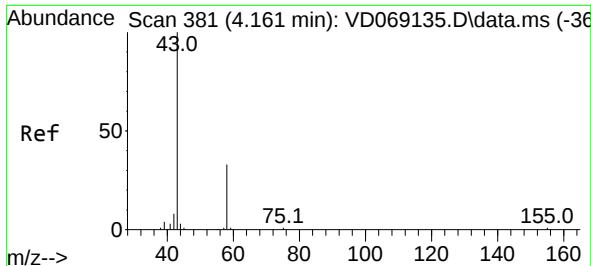
Tgt Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
127 16.0 37.3 55.9#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

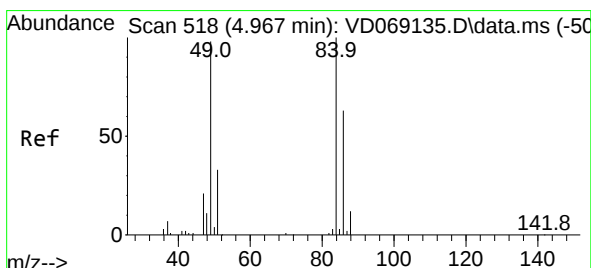
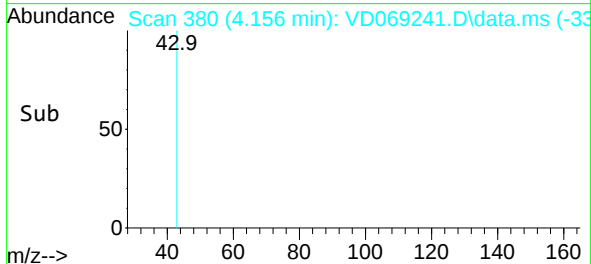
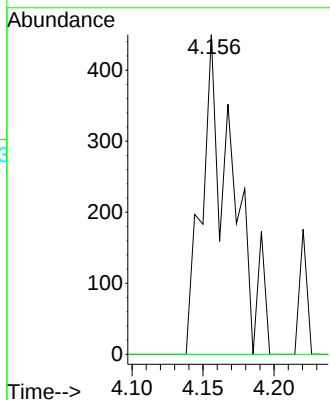
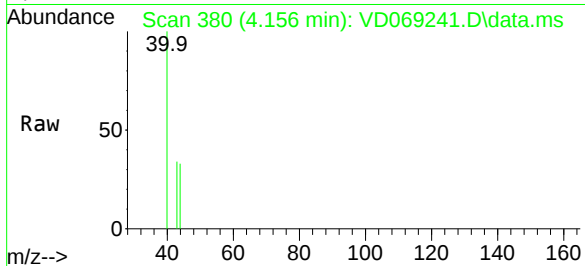




#16
Acetone
Concen: 25.59 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

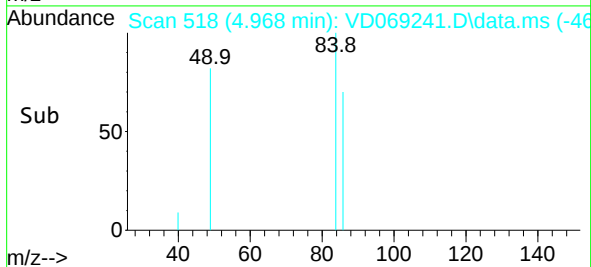
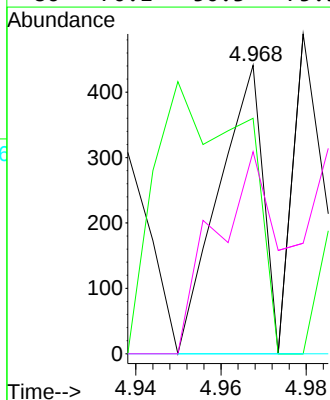
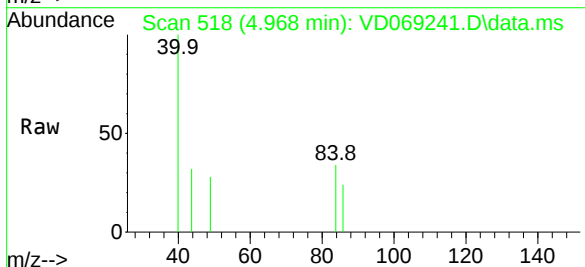
Instrument :
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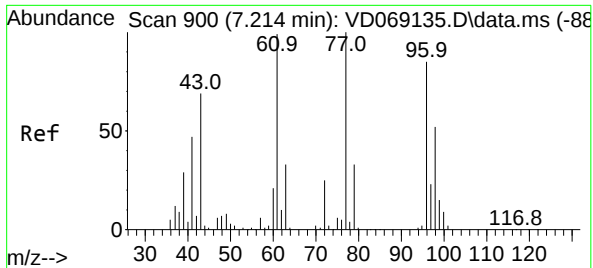
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 84 Resp: 321
Ion Ratio Lower Upper
84 100
49 81.6 78.6 117.8
51 0.0 26.7 40.1#
86 70.1 50.3 75.5

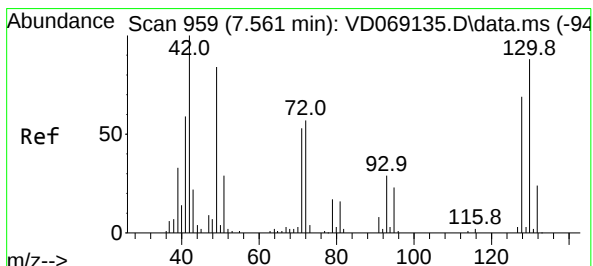
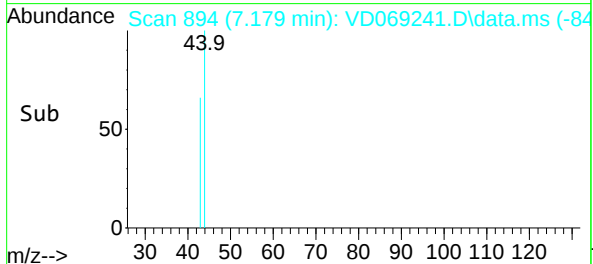
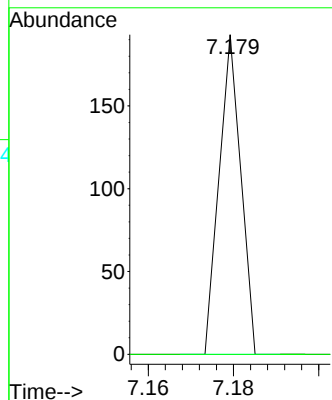
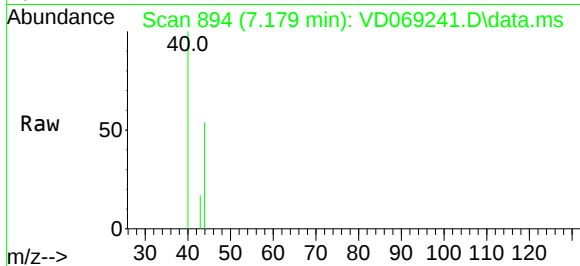




#25
2-Butanone
Concen: 1.89 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.035 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

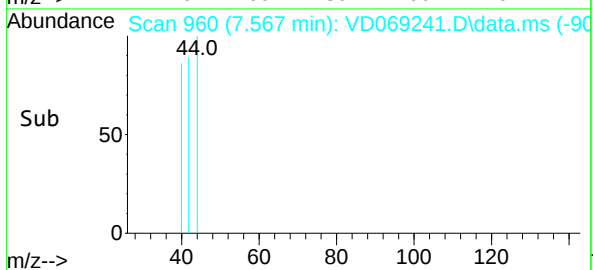
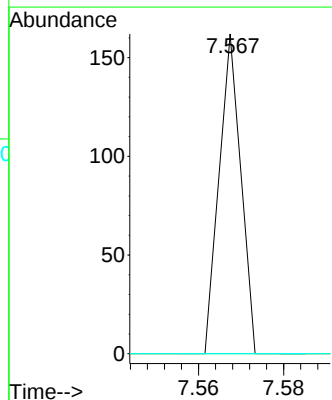
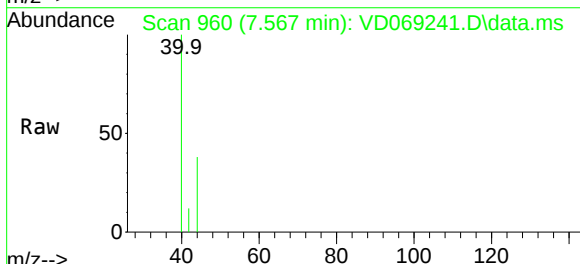
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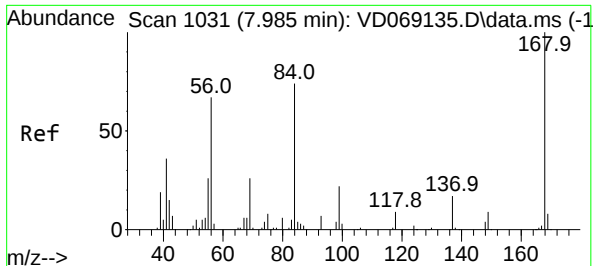
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#



#29
Tetrahydrofuran
Concen: 2.91 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 45.9 68.9#
71 0.0 42.9 64.3#

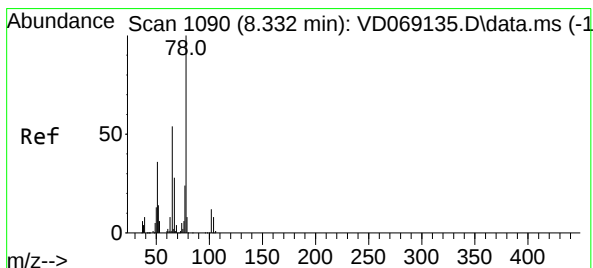
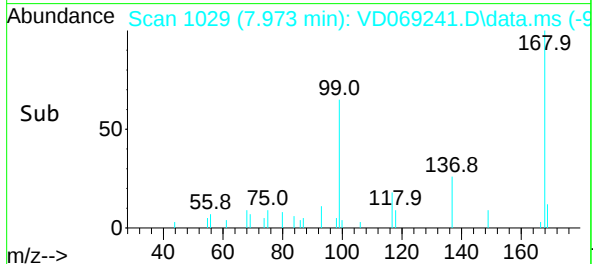
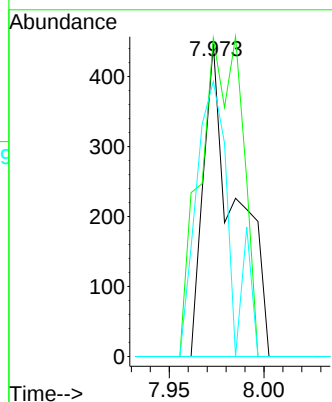
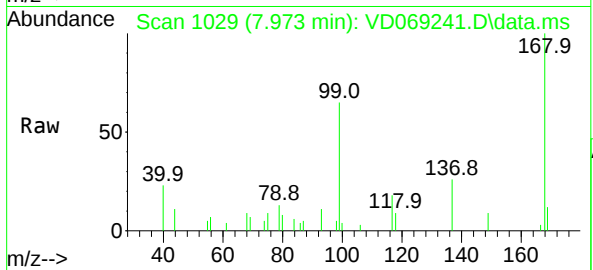




#31
Cyclohexane
Concen: 2.06 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

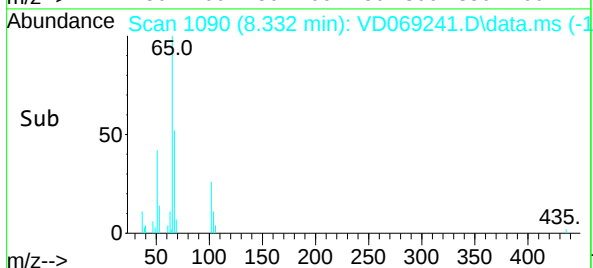
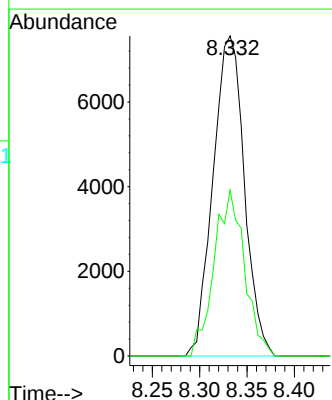
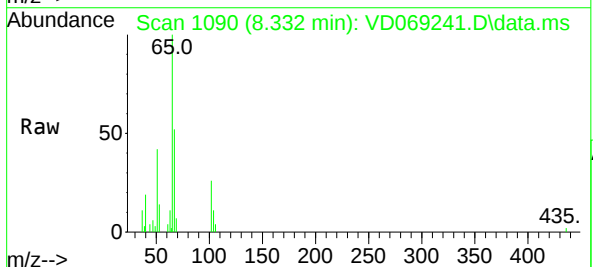
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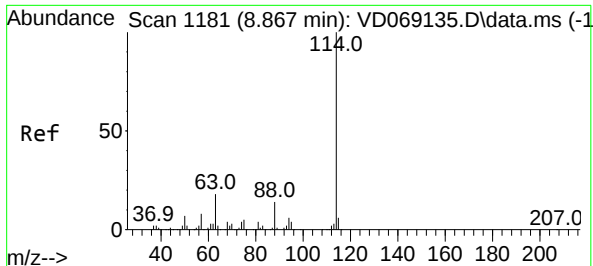
Tgt Ion: 56 Resp: 530
Ion Ratio Lower Upper
56 100
69 101.8 30.6 46.0#
84 87.9 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 100.01 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 65 Resp: 17379
Ion Ratio Lower Upper
65 100
67 50.3 0.0 108.0

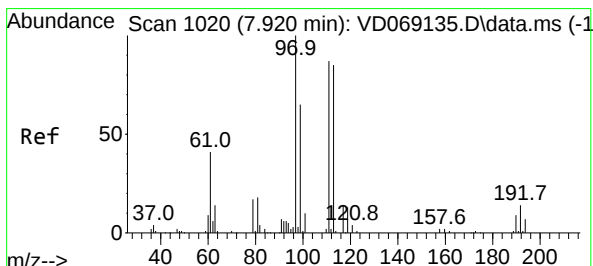
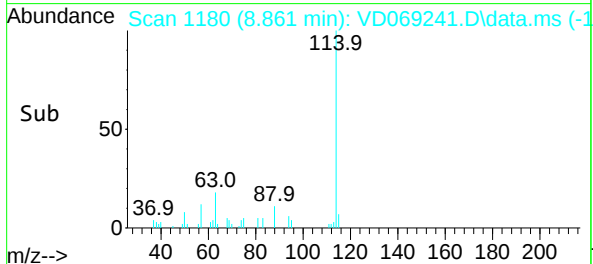
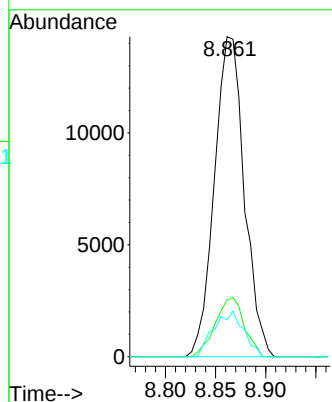
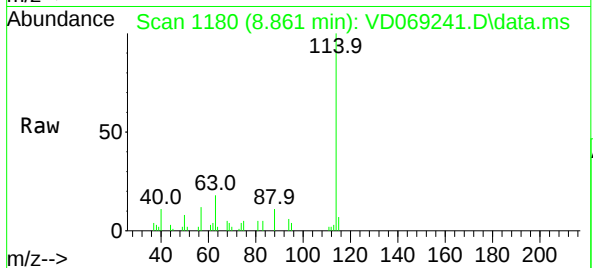




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

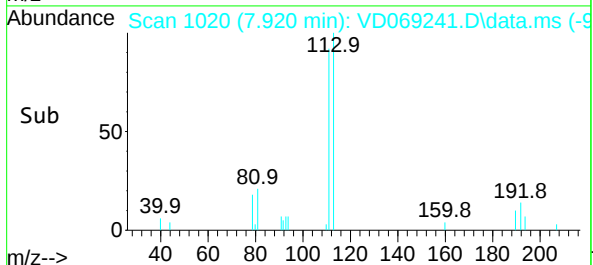
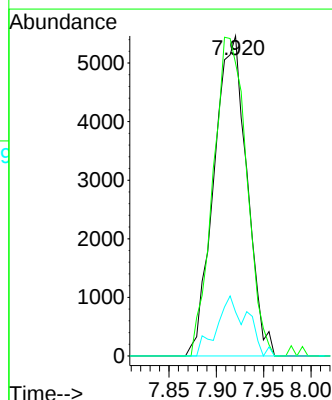
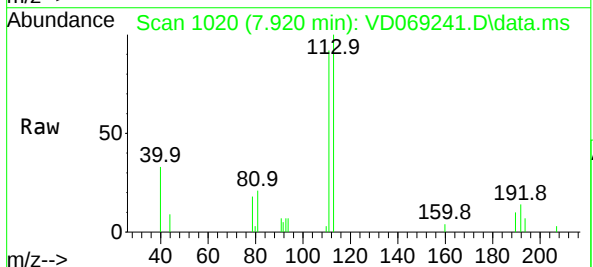
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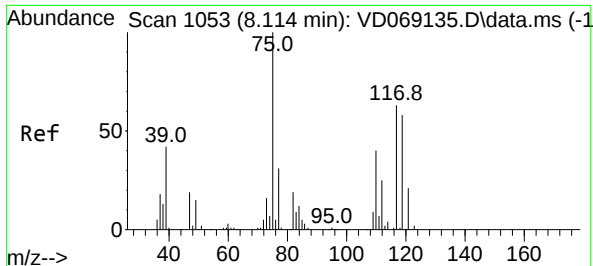
Tgt Ion:	114	Resp:	29619
Ion Ratio	Lower	Upper	
114	100		
63	17.7	0.0	36.4
88	11.5	0.0	28.2



#35
Dibromofluoromethane
Concen: 68.26 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion:	113	Resp:	13158
Ion Ratio	Lower	Upper	
113	100		
111	101.4	80.6	120.8
192	17.3	14.8	22.2

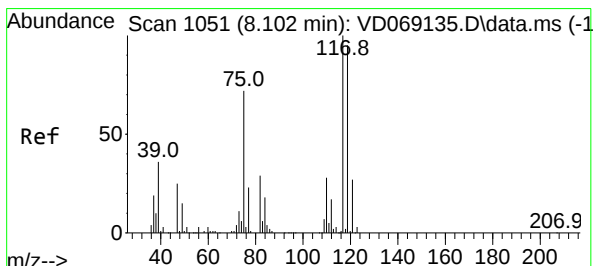
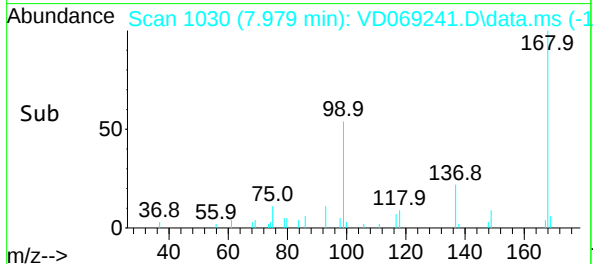
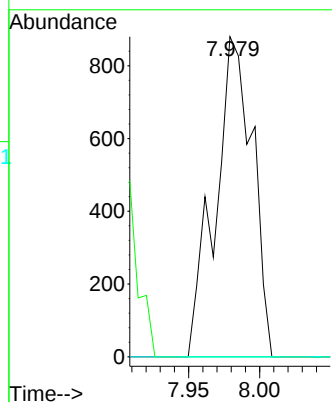
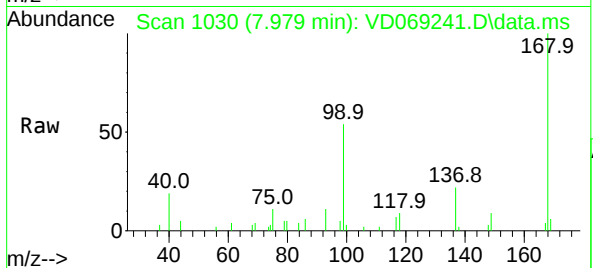




#36
1,1-Dichloropropene
Concen: 5.60 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

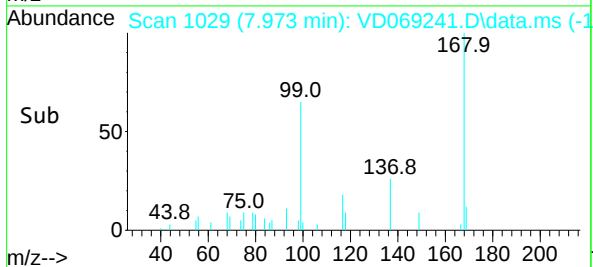
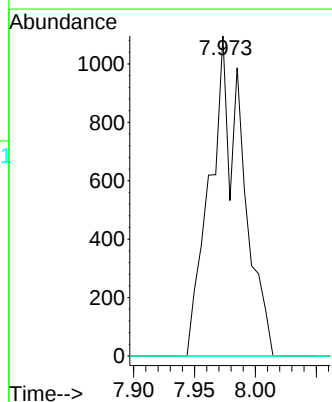
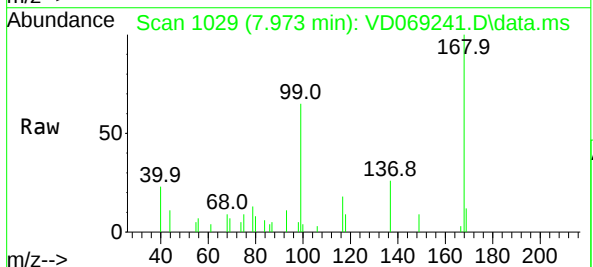
Instrument :
MSVOA_D
ClientSampleId :
72-11986

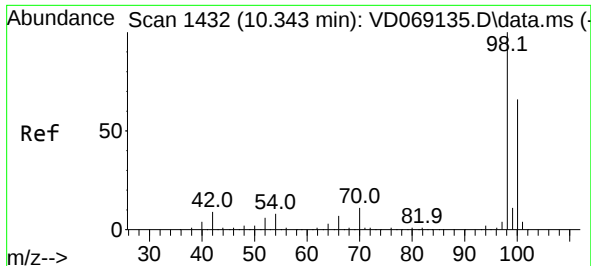
Tgt Ion: 75 Resp: 1612
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 117 Resp: 2037
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#

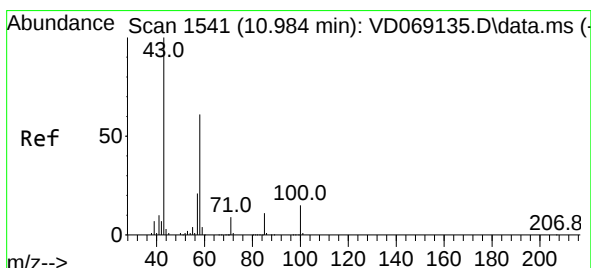
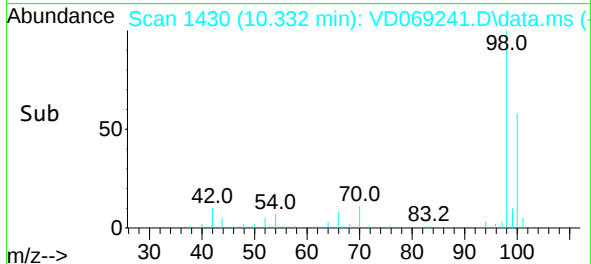
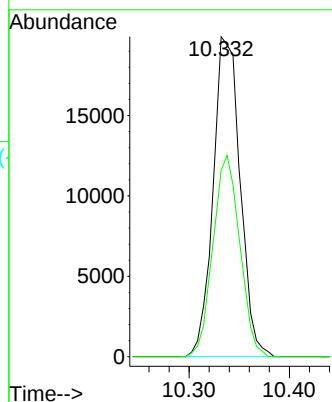
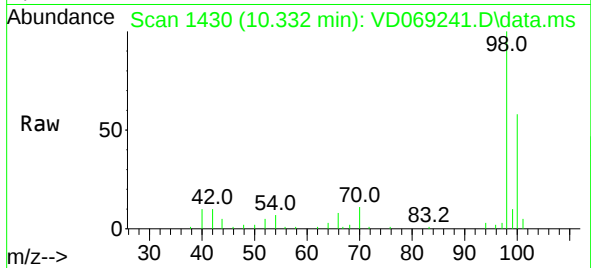




#50
Toluene-d8
Concen: 52.41 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.011 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

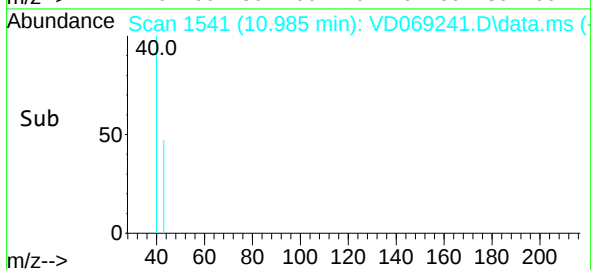
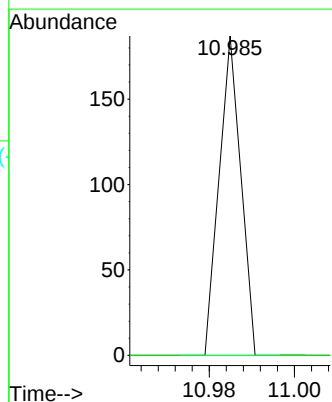
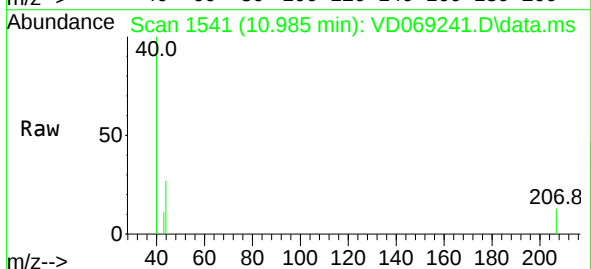
Instrument :
MSVOA_D
ClientSampleId :
72-11986

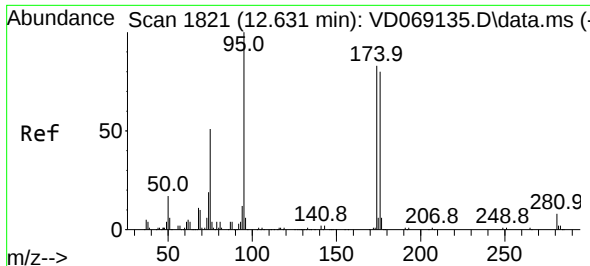
Tgt Ion: 98 Resp: 37119
Ion Ratio Lower Upper
98 100
100 62.5 51.8 77.8



#59
2-Hexanone
Concen: 1.14 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

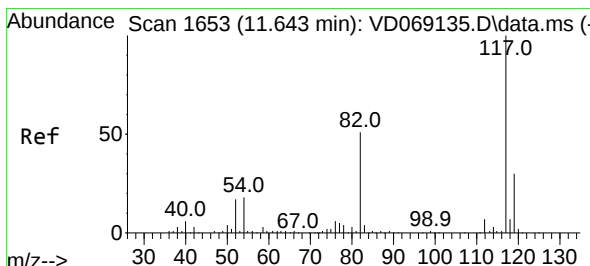
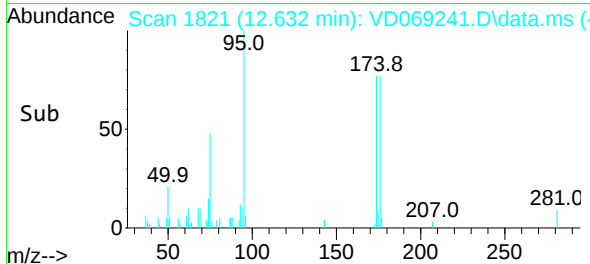
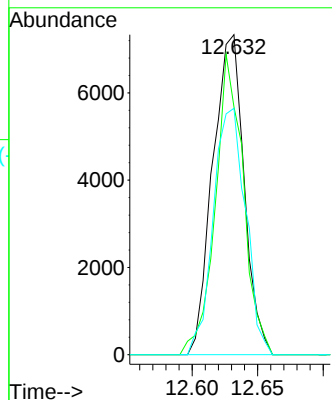
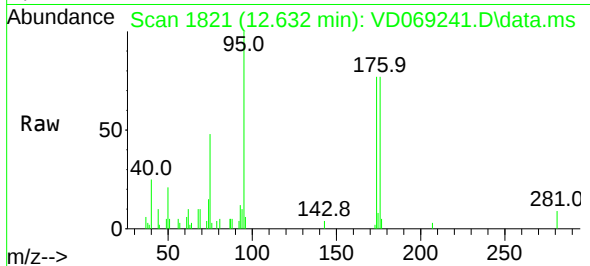




#62
4-Bromofluorobenzene
Concen: 53.43 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

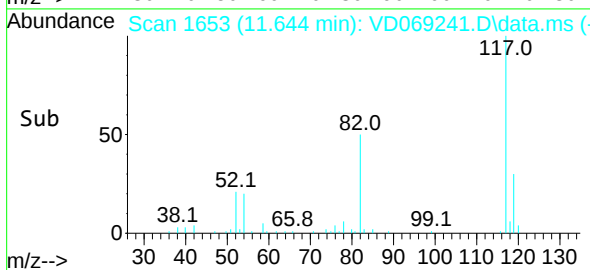
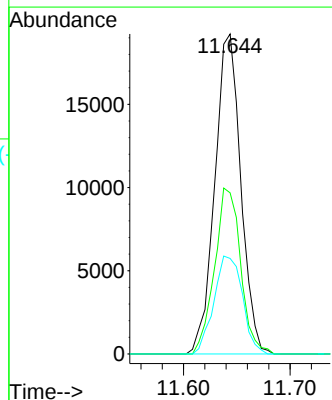
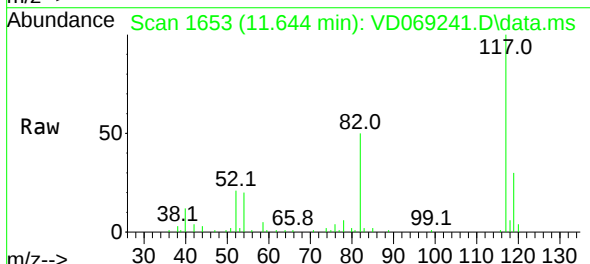
Instrument :
MSVOA_D
ClientSampleId :
72-11986

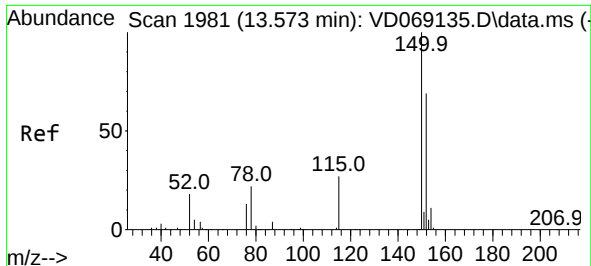
Tgt Ion:	95	Resp:	12176
Ion Ratio	Lower	Upper	
95	100		
174	83.6	0.0	171.8
176	79.4	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion:	117	Resp:	32591
Ion Ratio	Lower	Upper	
117	100		
82	50.4	40.5	60.7
119	29.9	24.2	36.4

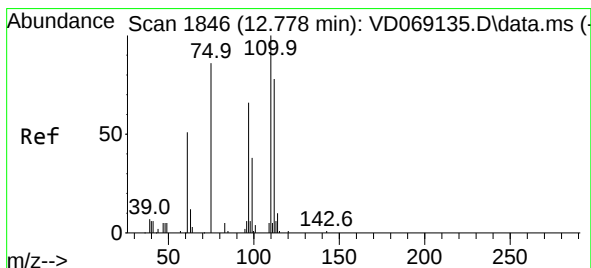
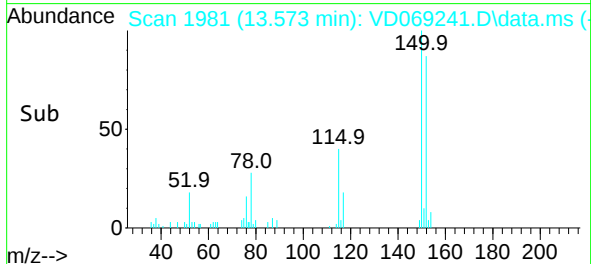
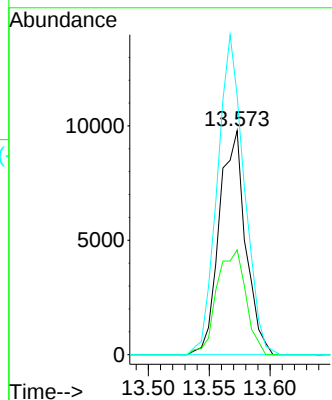
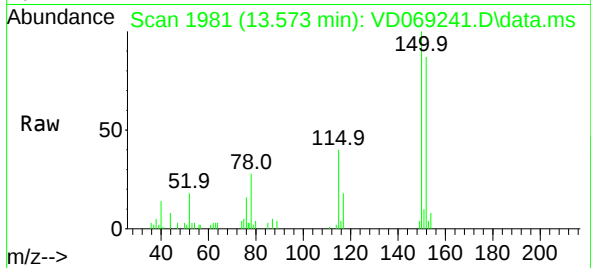




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069241.D
 Acq: 21 May 2021 16:25

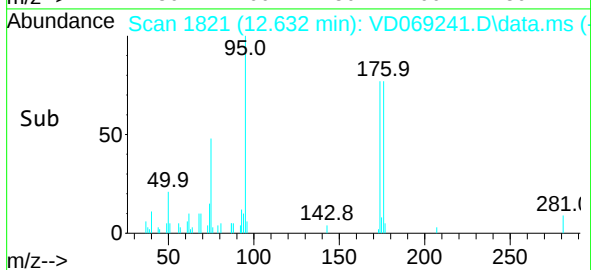
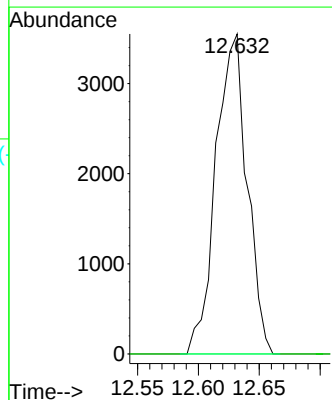
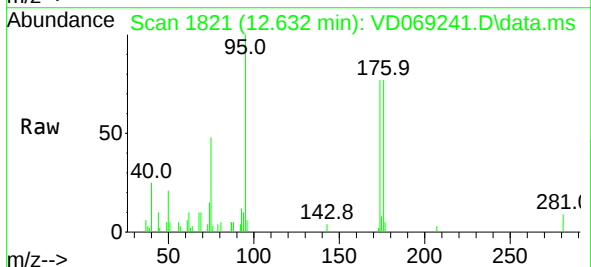
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11986

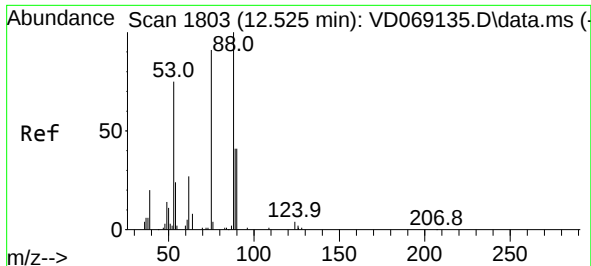
Tgt Ion:152 Resp: 14776
 Ion Ratio Lower Upper
 152 100
 115 51.3 29.9 89.8
 150 144.8 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 57.10 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.147 min
 Lab File: VD069241.D
 Acq: 21 May 2021 16:25

Tgt Ion: 75 Resp: 6342
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

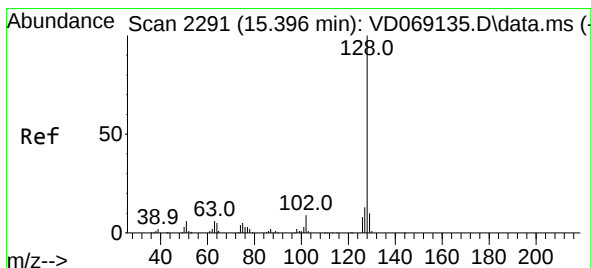
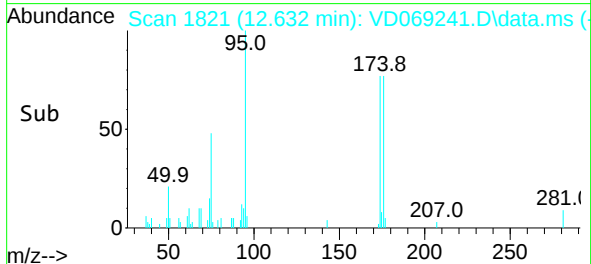
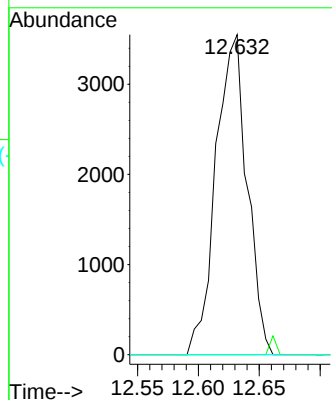
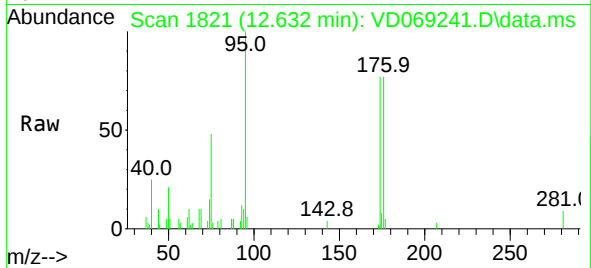




#81
trans-1,4-Dichloro-2-butene
Concen: 115.33 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :
72-11986

Tgt Ion: 75 Resp: 6342
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#



#95
Naphthalene
Concen: 2.20 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. -0.005 min
Lab File: VD069241.D
Acq: 21 May 2021 16:25

Tgt Ion:128 Resp: 80
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

