

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069330.D
 Acq On : 03 Jun 2021 17:39
 Operator : VA/SY
 Sample : M2588-02
 Misc : 6.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 09:36:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

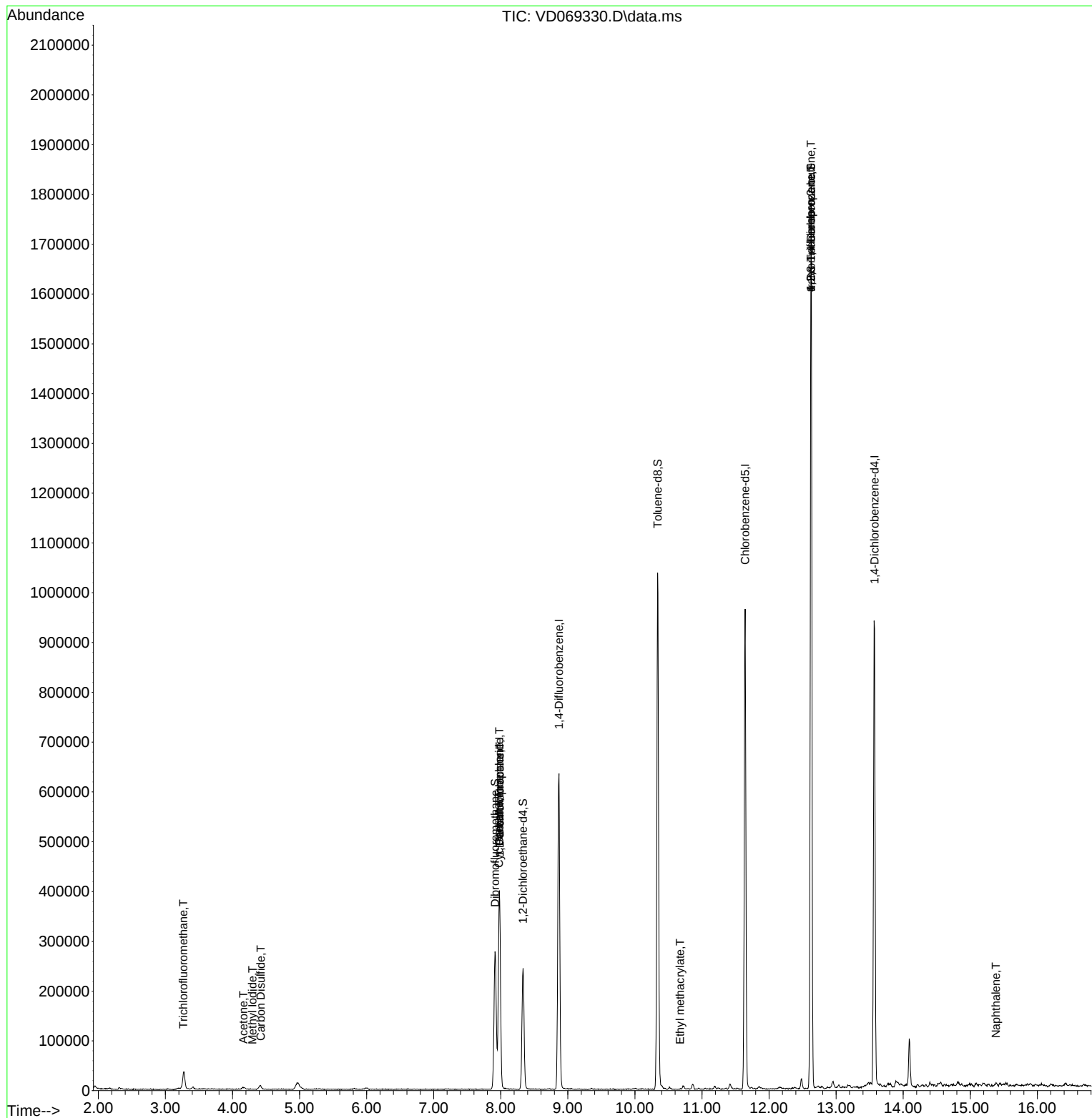
Internal Standards						
1) Pentafluorobenzene	7.979	168	299076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	576850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	580686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	262307	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	193864	67.56	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.12%			
35) Dibromofluoromethane	7.914	113	201789	55.70	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.40%			
50) Toluene-d8	10.338	98	722918	54.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.76%			
62) 4-Bromofluorobenzene	12.626	95	266441	61.73	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.46%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.268	101	36917	6.56	ug/l #	79
10) Methyl Iodide	4.297	142	94	2.54	ug/l #	39
11) Tert butyl alcohol	5.226	59	917	Below Cal	#	73
16) Acetone	4.162	43	7992	15.96	ug/l #	81
17) Carbon Disulfide	4.420	76	16205	1.63	ug/l #	94
20) Methylene Chloride	4.967	84	11131	Below Cal	#	85
31) Cyclohexane	7.973	56	6735	1.48	ug/l #	49
36) 1,1-Dichloropropene	7.985	75	23125	4.12	ug/l #	48
38) Carbon Tetrachloride	7.979	117	30384	5.02	ug/l #	14
56) Ethyl methacrylate	10.673	69	57	2.65	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	138897	60.95	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	138897	135.06	ug/l #	19
95) Naphthalene	15.384	128	5108	3.83	ug/l #	96

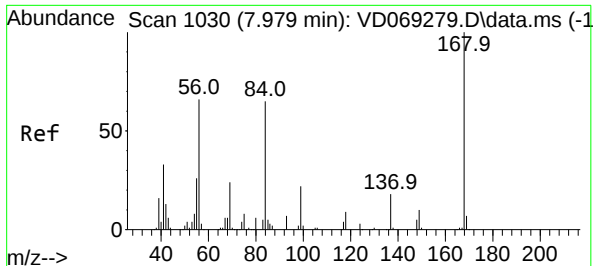
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 04 09:36:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

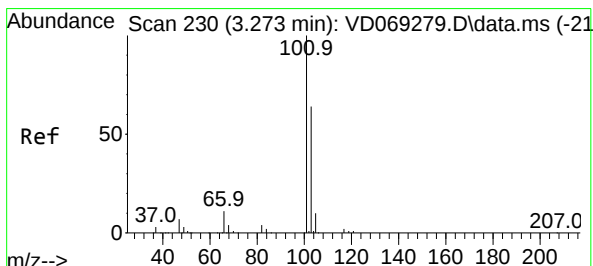
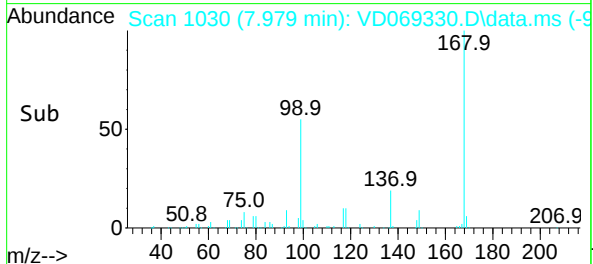
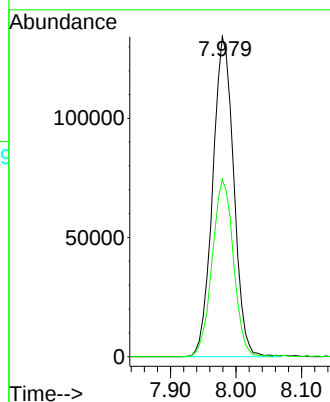
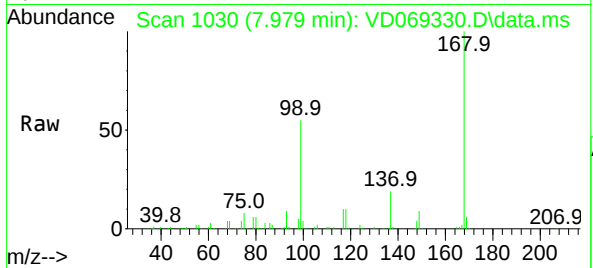




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

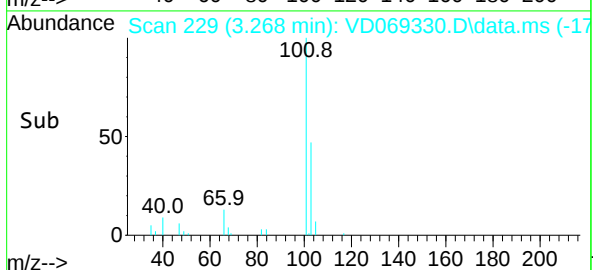
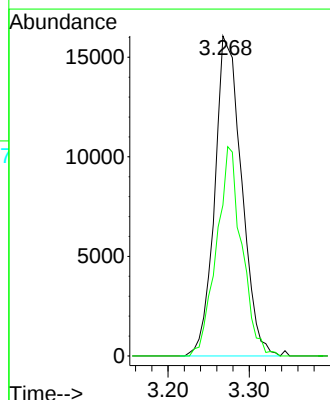
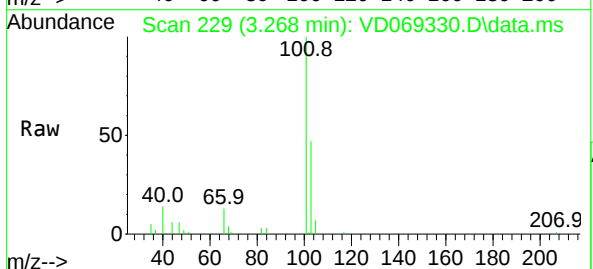
Instrument :
MSVOA_D
ClientSampled :

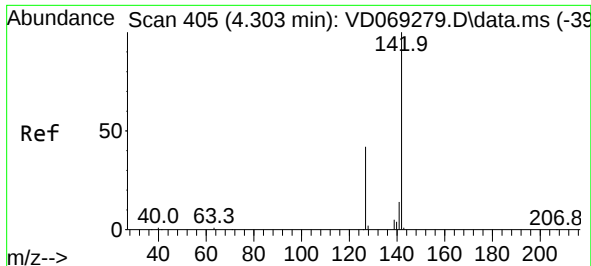
Tgt Ion:168 Resp: 299076
Ion Ratio Lower Upper
168 100
99 55.4 46.2 69.2



#7
Trichlorofluoromethane
Concen: 6.56 ug/l
RT: 3.268 min Scan# 229
Delta R.T. -0.006 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

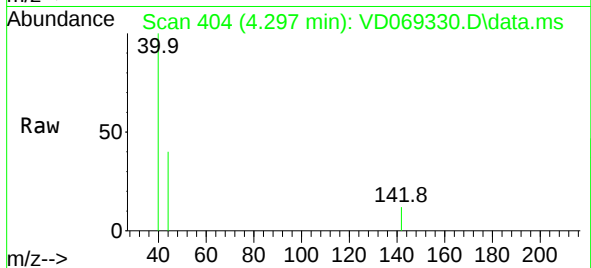
Tgt Ion:101 Resp: 36917
Ion Ratio Lower Upper
101 100
103 47.2 51.0 76.4#



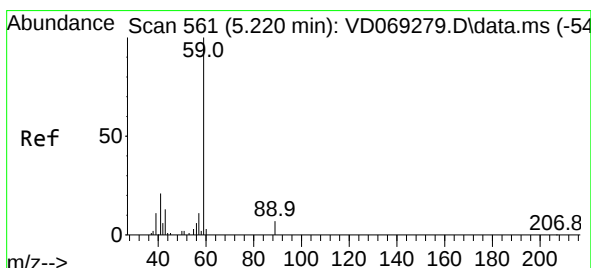
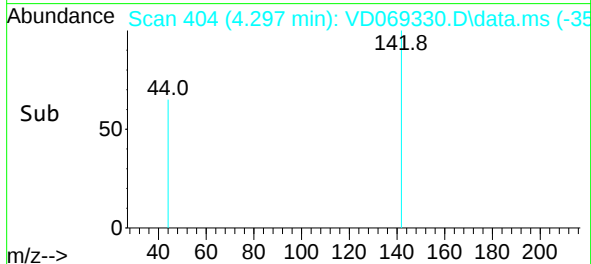
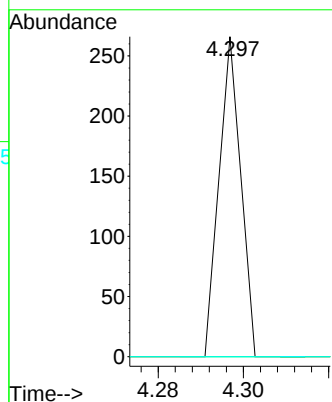


#10
Methyl Iodide
Concen: 2.54 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Instrument :
MSVOA_D
ClientSampleId :

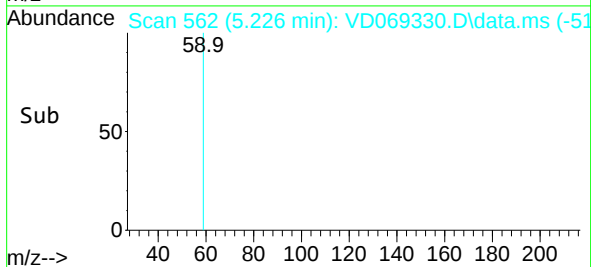
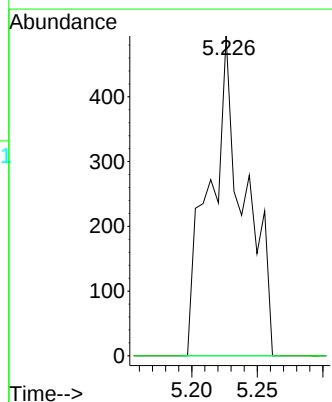
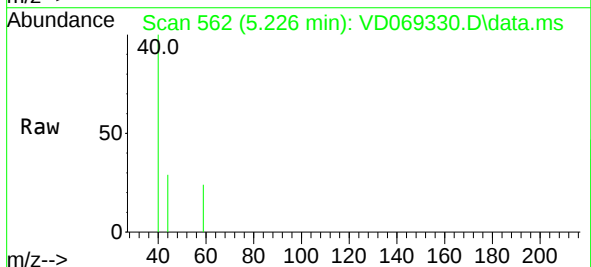


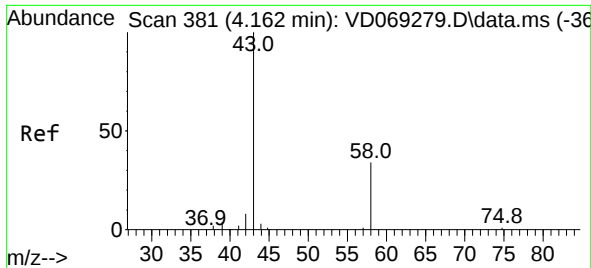
Tgt Ion:142 Resp: 94
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Tgt Ion: 59 Resp: 917
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

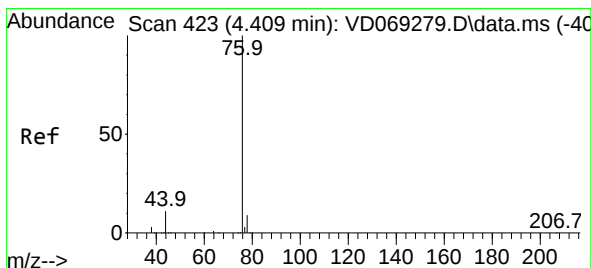
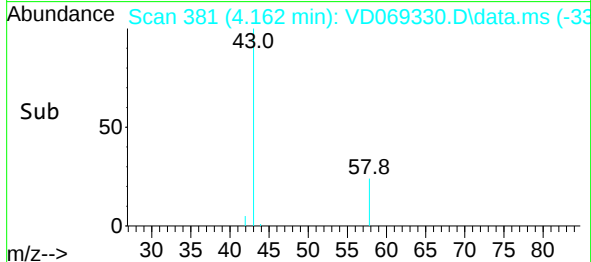
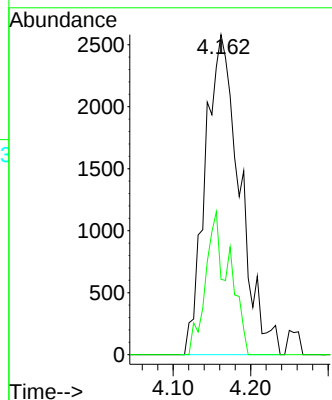
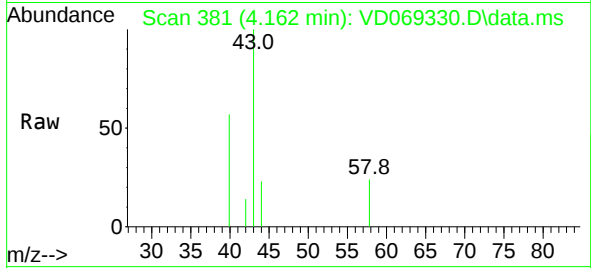




#16
Acetone
Concen: 15.96 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

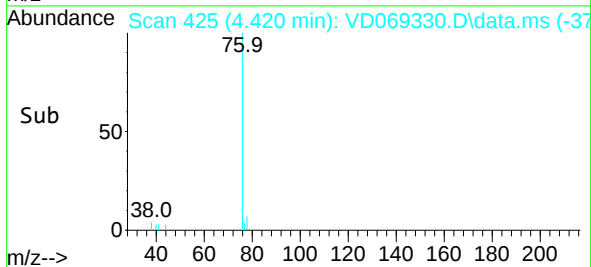
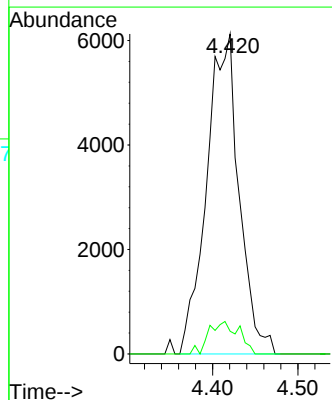
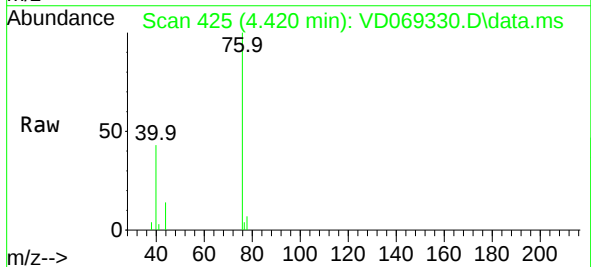
Instrument :
MSVOA_D
ClientSampleId :

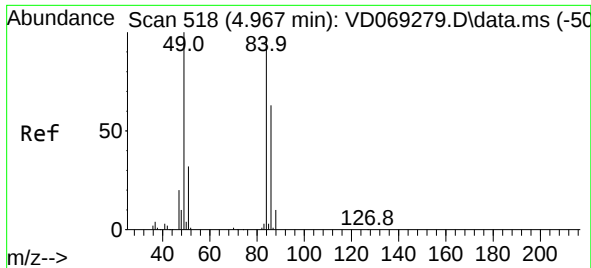
Tgt Ion: 43 Resp: 7992
Ion Ratio Lower Upper
43 100
58 23.6 27.5 41.3#



#17
Carbon Disulfide
Concen: 1.63 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.012 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Tgt Ion: 76 Resp: 16205
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.000 min

Lab File: VD069330.D

Acq: 03 Jun 2021 17:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 84 Resp: 11131

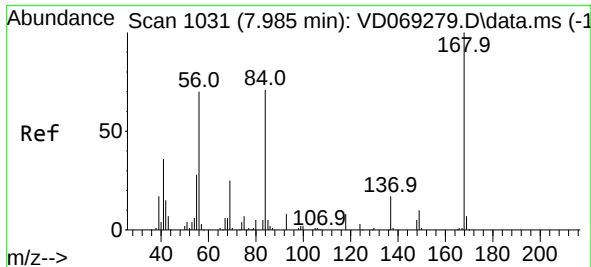
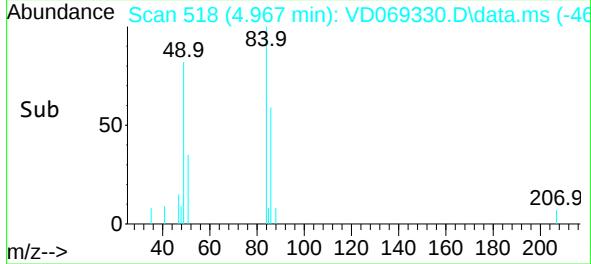
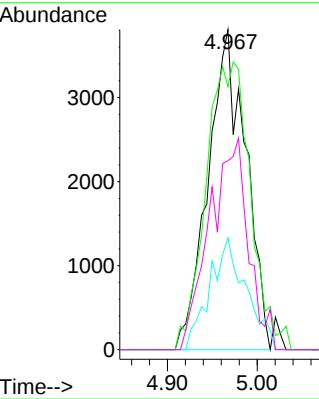
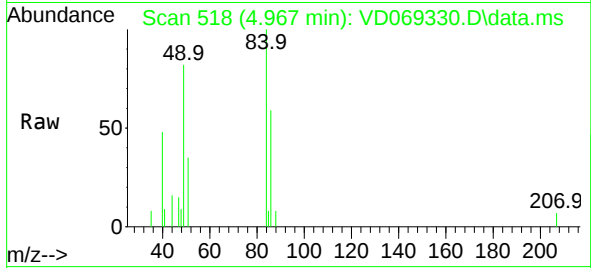
Ion Ratio Lower Upper

84 100

49 82.2 83.7 125.5#

51 34.9 26.4 39.6

86 59.0 52.8 79.2



#31

Cyclohexane

Concen: 1.48 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD069330.D

Acq: 03 Jun 2021 17:39

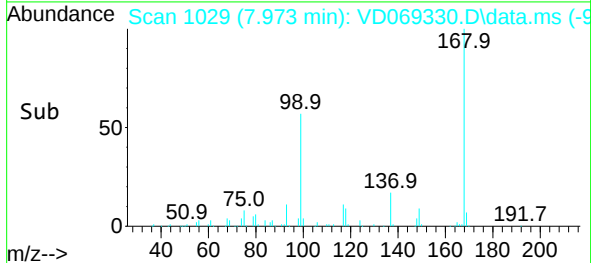
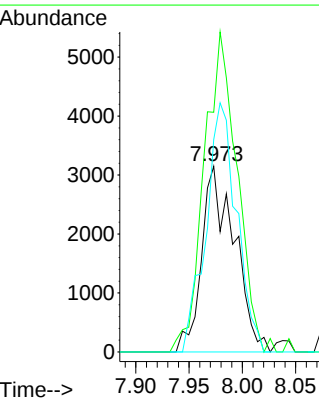
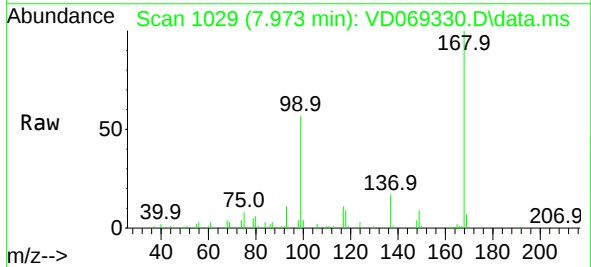
Tgt Ion: 56 Resp: 6735

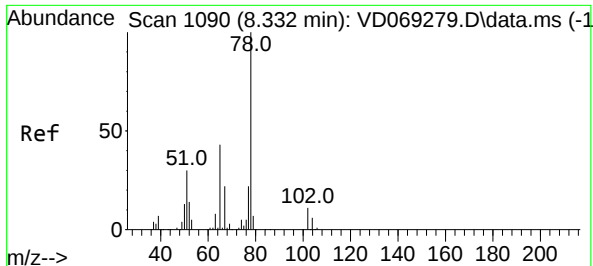
Ion Ratio Lower Upper

56 100

69 129.1 29.0 43.4#

84 114.4 81.1 121.7

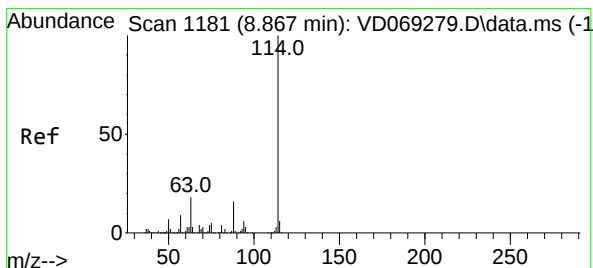
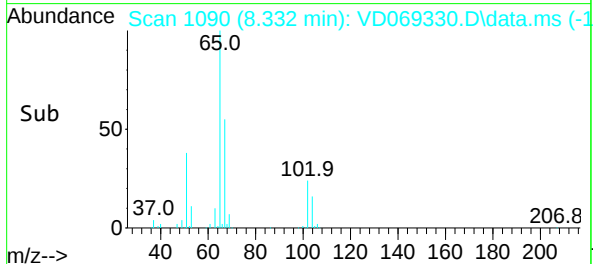
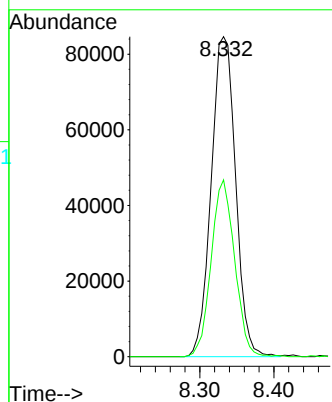
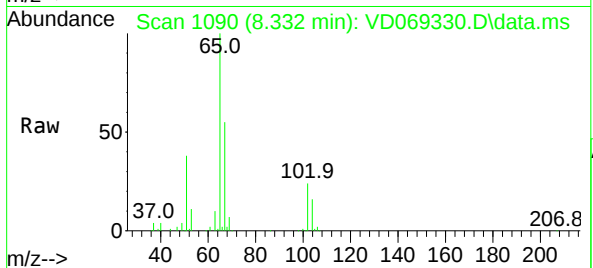




#33
1,2-Dichloroethane-d4
Concen: 67.56 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

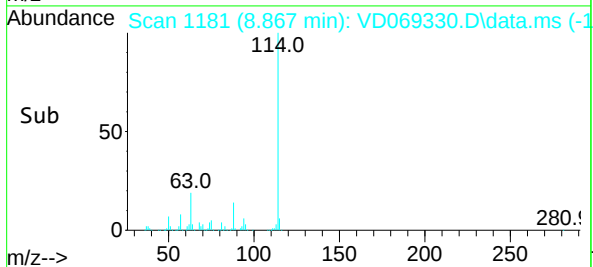
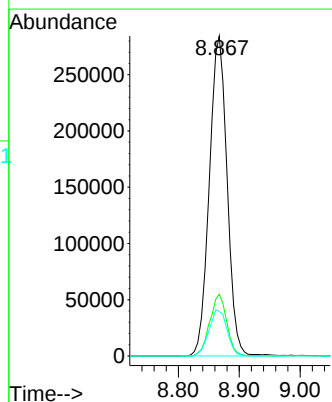
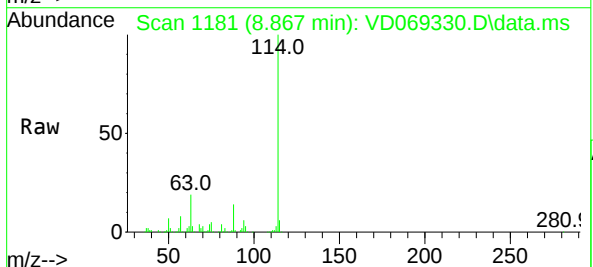
Instrument :
MSVOA_D
ClientSampled :

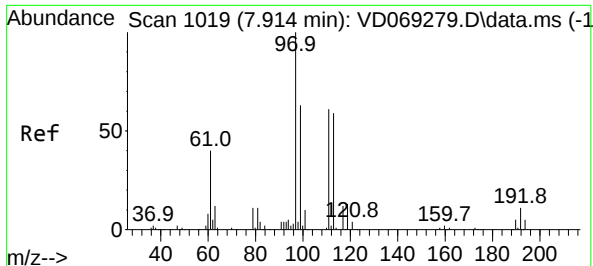
Tgt Ion: 65 Resp: 193864
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Tgt Ion:114 Resp: 576850
Ion Ratio Lower Upper
114 100
63 19.3 0.0 35.6
88 14.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 55.70 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069330.D

Acq: 03 Jun 2021 17:39

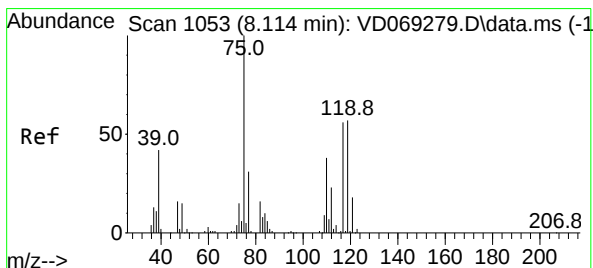
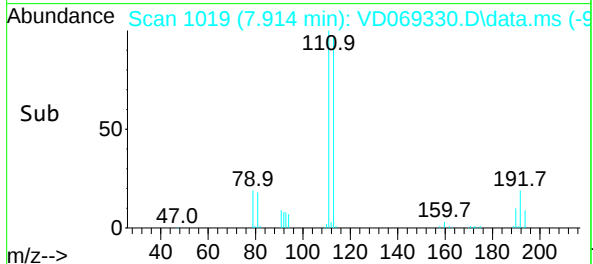
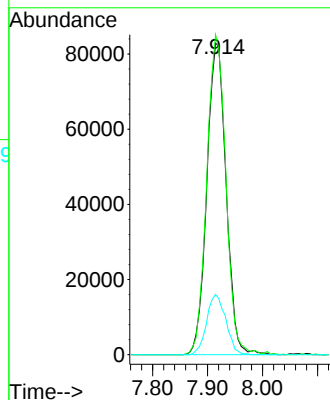
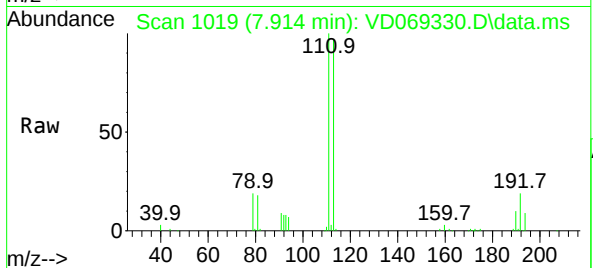
Tgt Ion:113 Resp: 201789

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

192 19.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.12 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD069330.D

Acq: 03 Jun 2021 17:39

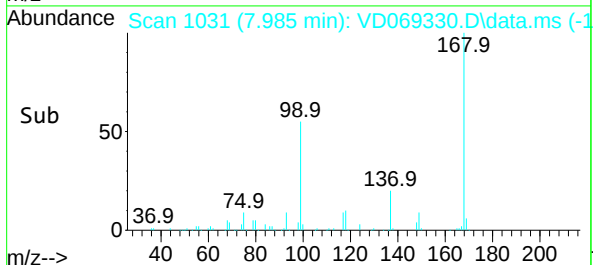
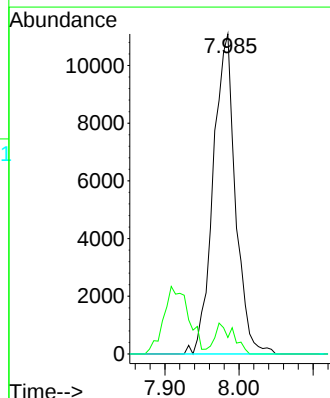
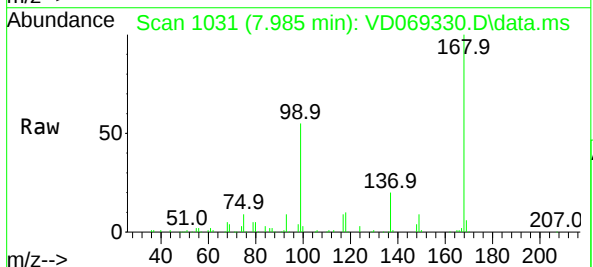
Tgt Ion: 75 Resp: 23125

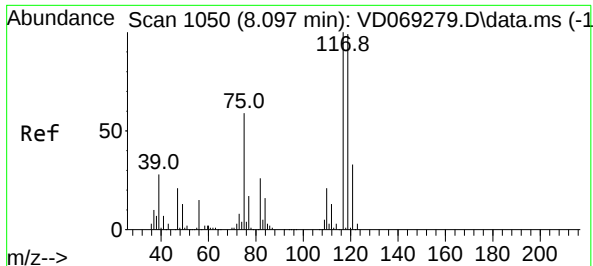
Ion Ratio Lower Upper

75 100

110 8.0 18.4 55.2#

77 0.0 24.9 37.3#

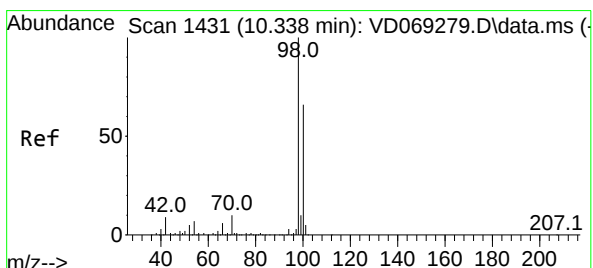
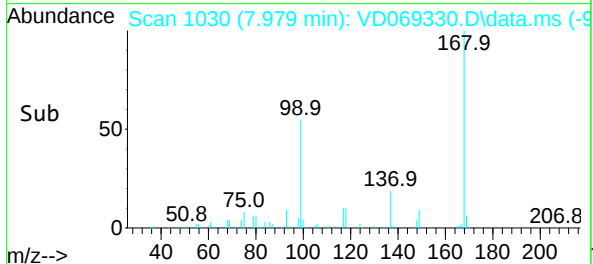
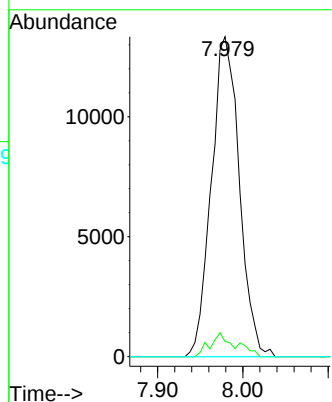
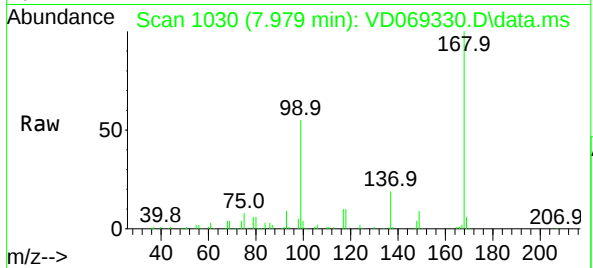




#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

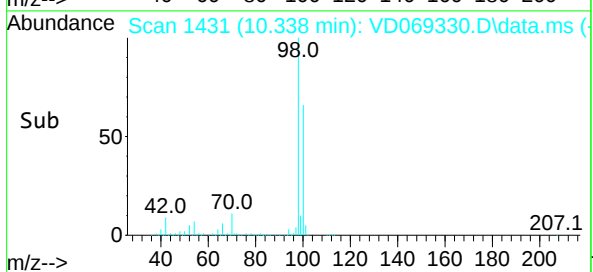
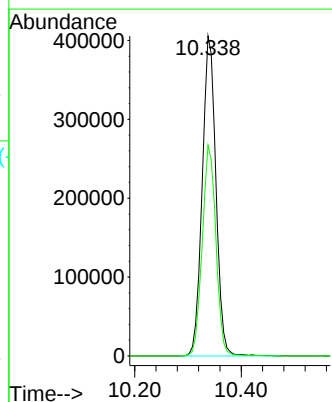
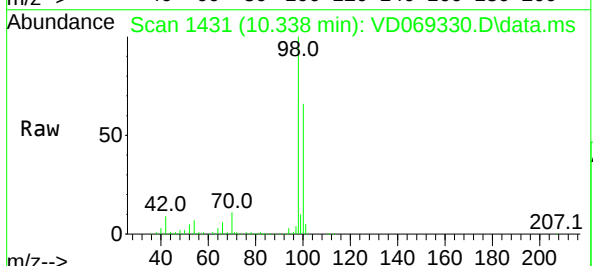
Instrument :
MSVOA_D
ClientSampleId :

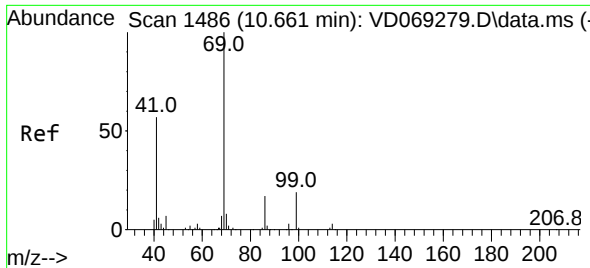
Tgt Ion:117 Resp: 30384
Ion Ratio Lower Upper
117 100
119 4.8 79.4 119.2#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 54.88 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Tgt Ion: 98 Resp: 722918
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

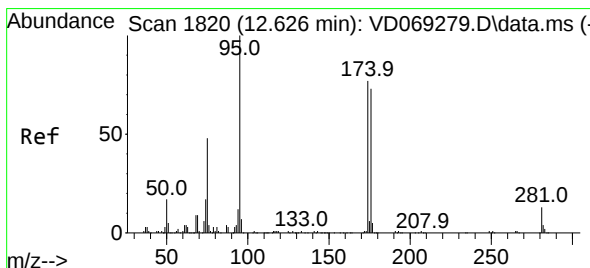
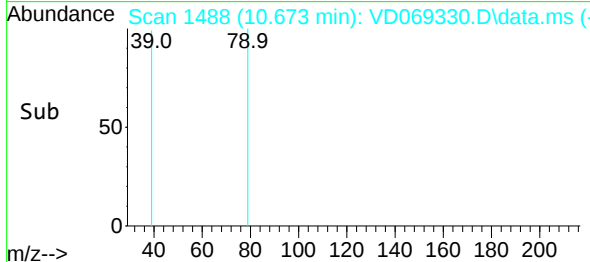
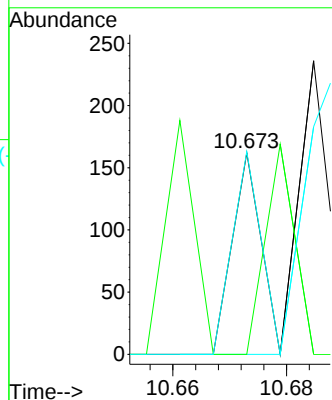
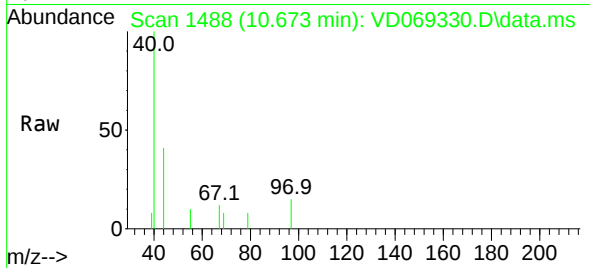




#56
Ethyl methacrylate
Concen: 2.65 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

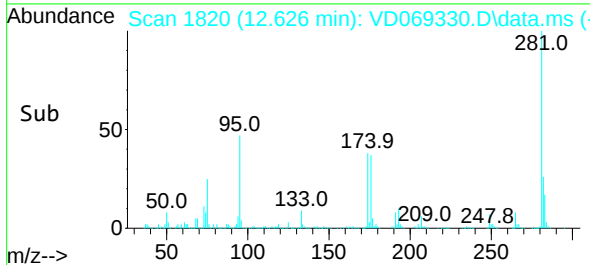
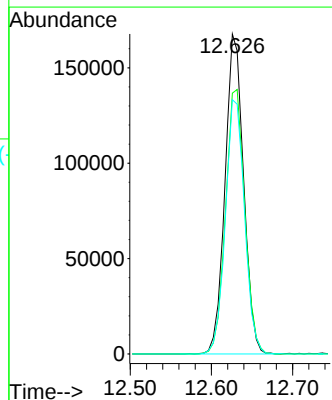
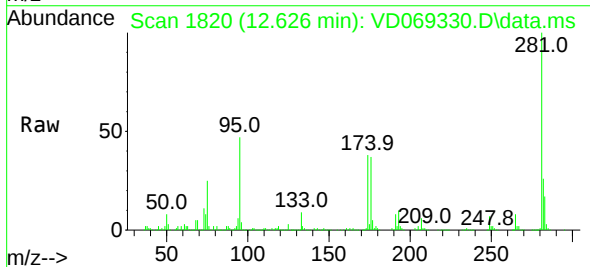
Instrument :
MSVOA_D
ClientSampled :

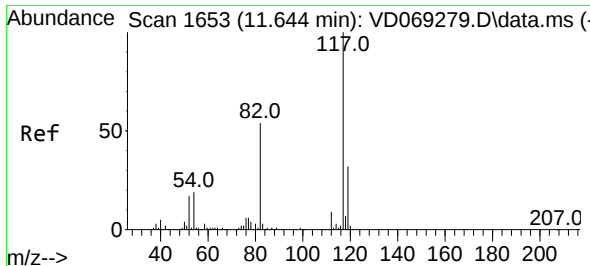
Tgt Ion:	69	Resp:	57
Ion	Ratio	Lower	Upper
69	100		
41	105.3	45.4	68.2#
39	373.7	21.7	32.5#



#62
4-Bromofluorobenzene
Concen: 61.73 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

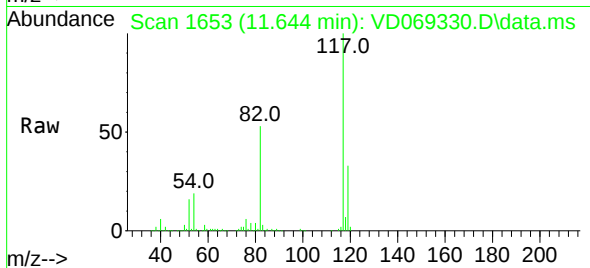
Tgt Ion:	95	Resp:	266441
Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	162.8
176	82.1	0.0	154.4



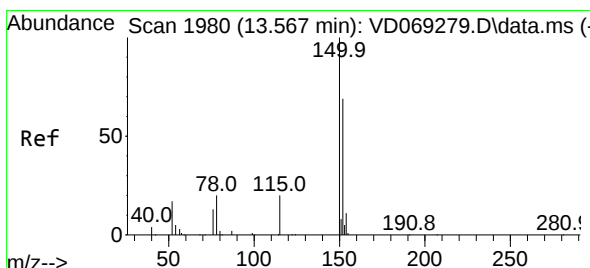
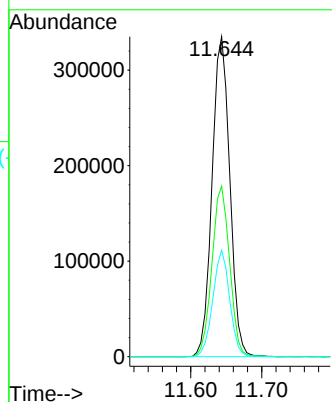
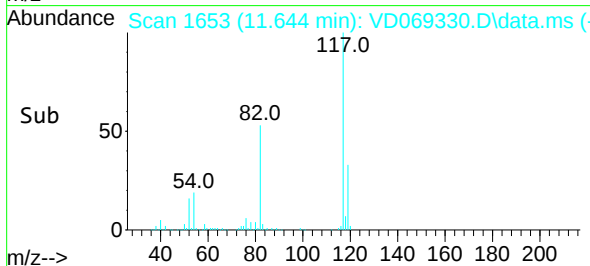


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

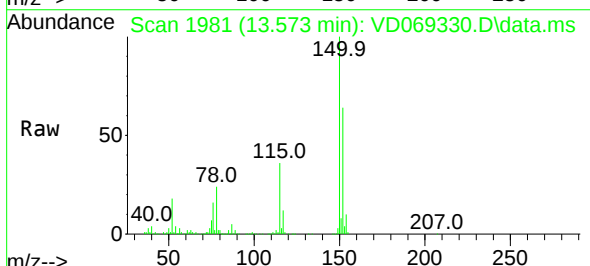
Instrument :
MSVOA_D
ClientSampleId :



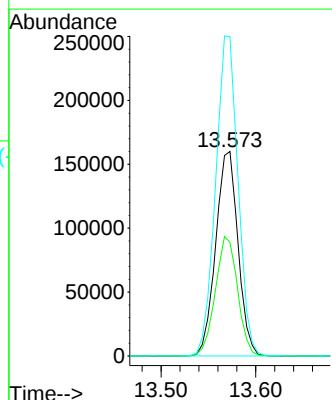
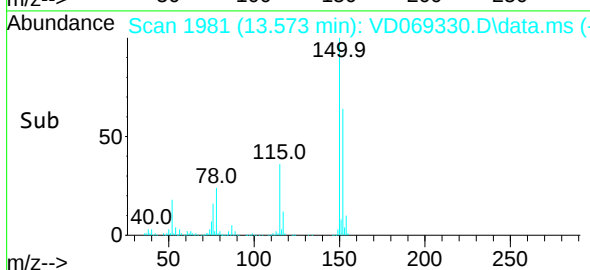
Tgt Ion:117 Resp: 580686
Ion Ratio Lower Upper
117 100
82 53.3 43.3 64.9
119 33.3 25.3 37.9

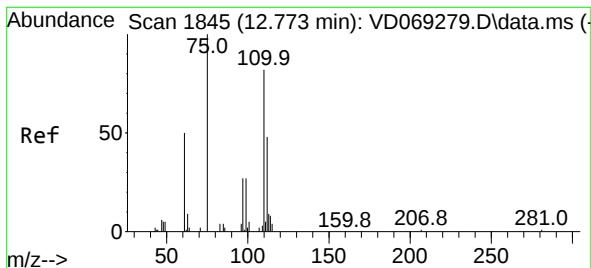


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39



Tgt Ion:152 Resp: 262307
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.3
150 157.1 0.0 355.0

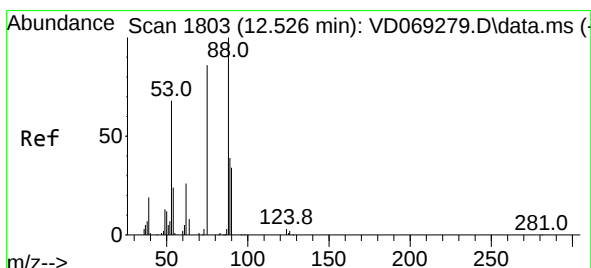
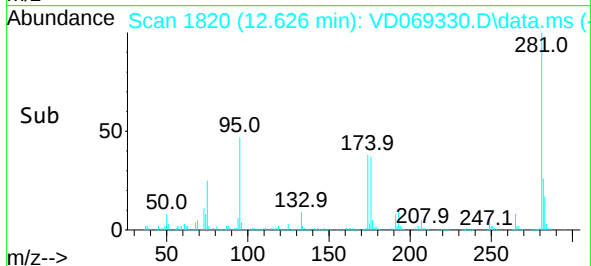
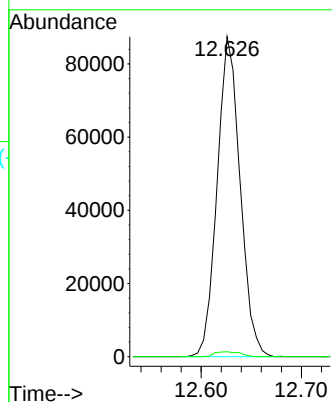
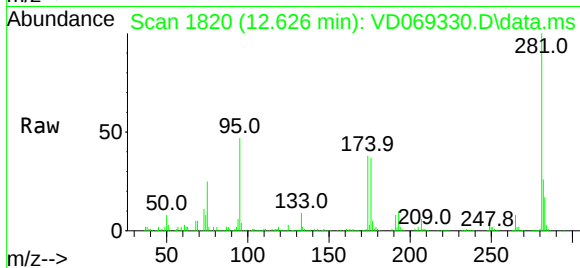




#76
1,2,3-Trichloropropane
Concen: 60.95 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

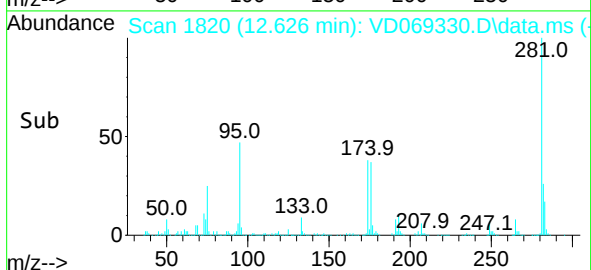
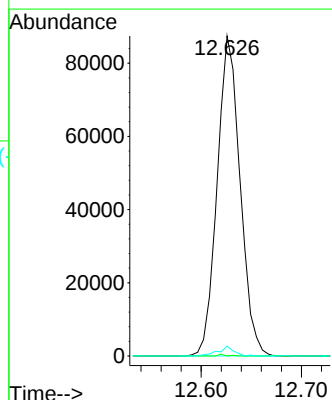
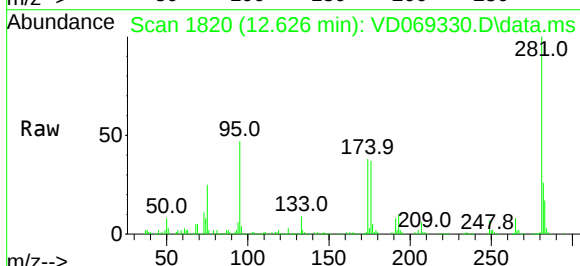
Instrument :
MSVOA_D
ClientSampleId :

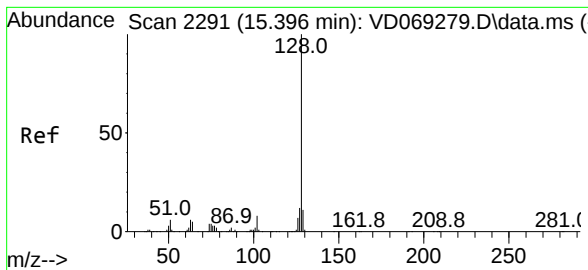
Tgt Ion: 75 Resp: 138897
Ion Ratio Lower Upper
75 100
77 1.8 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.06 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Tgt Ion: 75 Resp: 138897
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 2.1 35.6 53.4#





#95
Naphthalene
Concen: 3.83 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.012 min
Lab File: VD069330.D
Acq: 03 Jun 2021 17:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 5108
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 8.7 8.8 13.2#

