

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072629.D
 Acq On : 19 Apr 2022 17:15
 Operator : VA/SY
 Sample : N2446-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 339

Quant Time: Apr 20 05:04:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

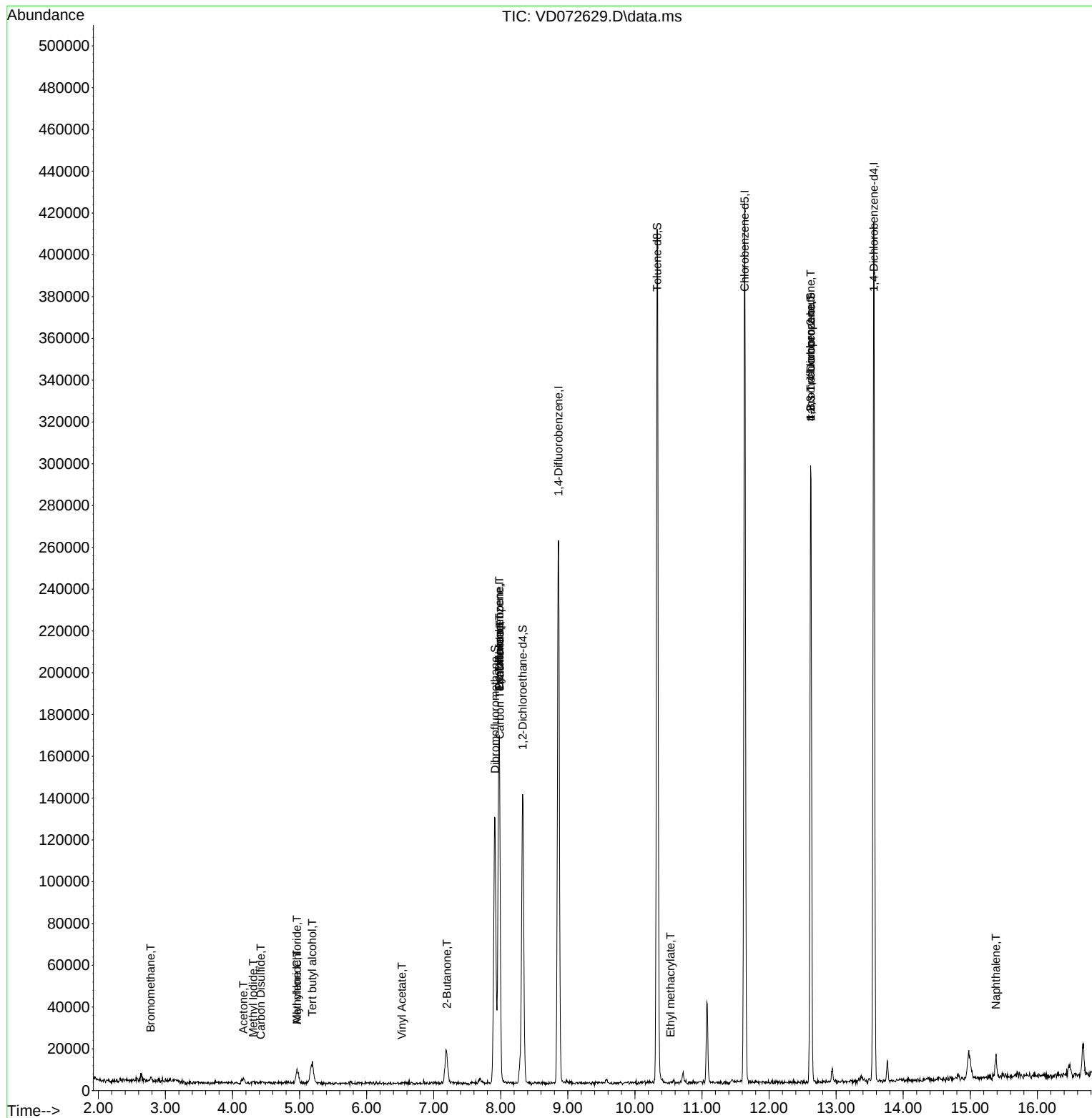
Internal Standards						
1) Pentafluorobenzene	7.979	168	123078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	229883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	248354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	112848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	110159	73.988	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.980%	
35) Dibromofluoromethane	7.914	113	92216	51.618	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.240%	
50) Toluene-d8	10.332	98	286113	46.073	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.140%	
62) 4-Bromofluorobenzene	12.620	95	102129	42.110	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.220%	
Target Compounds						
						Qvalue
5) Bromomethane	2.779	94	961	1.380	ug/l	82
10) Methyl Iodide	4.309	142	555	4.121	ug/l #	80
11) Tert butyl alcohol	5.191	59	8491	107.993	ug/l #	74
14) Allyl chloride	4.962	41	60	1.157	ug/l #	22
16) Acetone	4.162	43	4700	16.929	ug/l	95
17) Carbon Disulfide	4.420	76	226	3.714	ug/l #	74
20) Methylene Chloride	4.962	84	4699	2.843	ug/l	87
23) Vinyl Acetate	6.526	43	59	6.313	ug/l #	75
25) 2-Butanone	7.197	43	787	2.050	ug/l #	52
31) Cyclohexane	7.979	56	2527	1.298	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	11195	5.917	ug/l #	50
38) Carbon Tetrachloride	7.985	117	13062	5.307	ug/l #	16
56) Ethyl methacrylate	10.532	69	53	1.221	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	51933	42.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	51933	103.538	ug/l #	7
95) Naphthalene	15.384	128	9429	2.097	ug/l #	91

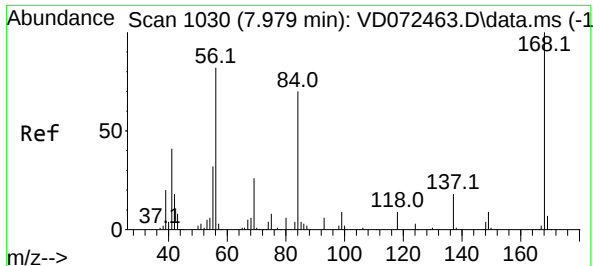
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

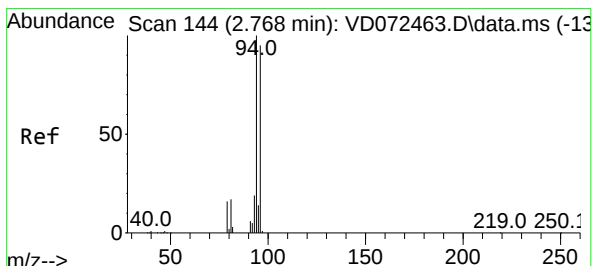
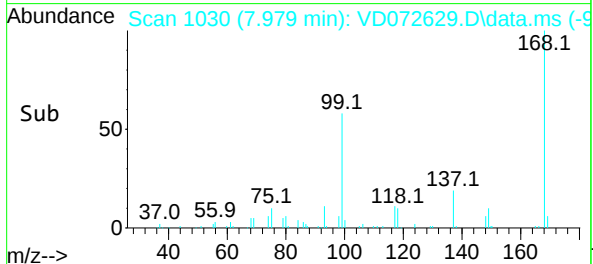
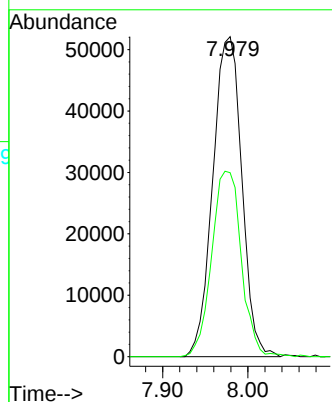
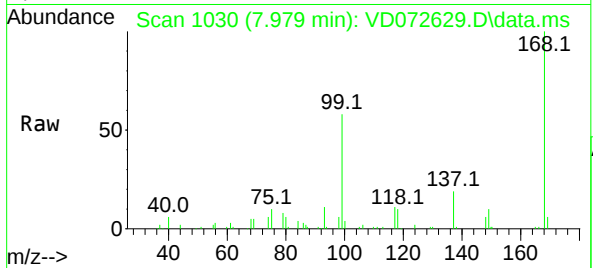




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

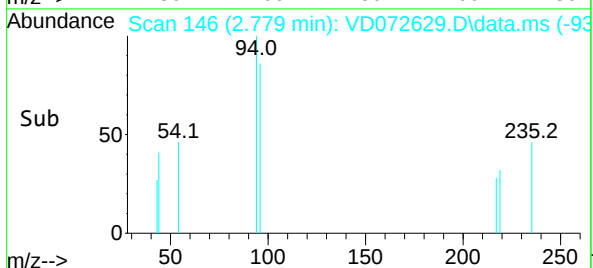
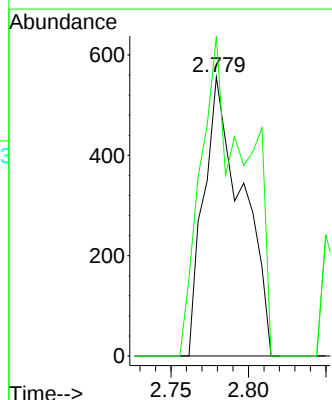
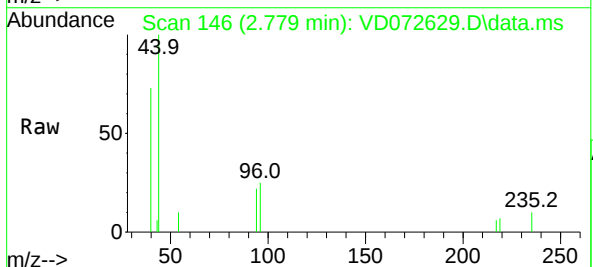
Instrument :
MSVOA_D
ClientSampleId :
339

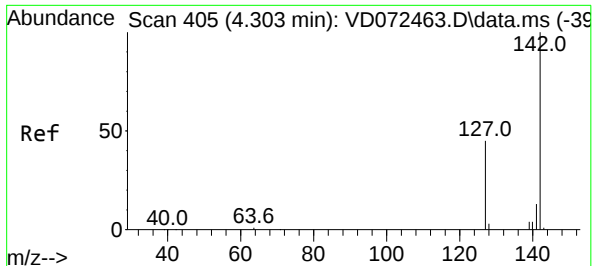
Tgt Ion:168 Resp: 123078
Ion Ratio Lower Upper
168 100
99 57.5 49.8 74.6



#5
Bromomethane
Concen: 1.380 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

Tgt Ion: 94 Resp: 961
Ion Ratio Lower Upper
94 100
96 114.7 77.6 116.4

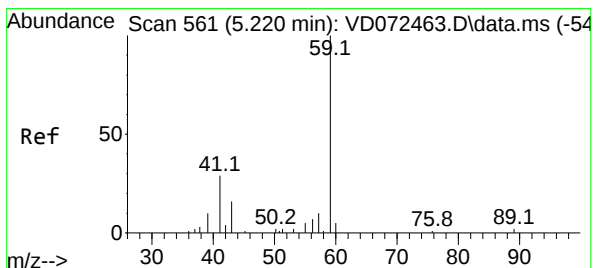
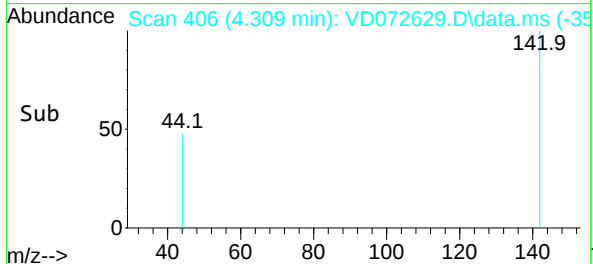
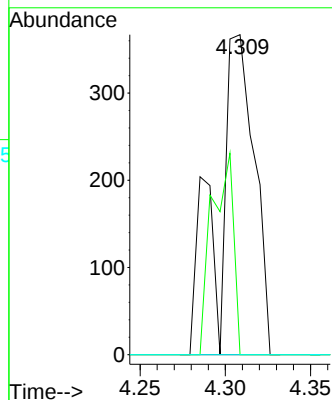
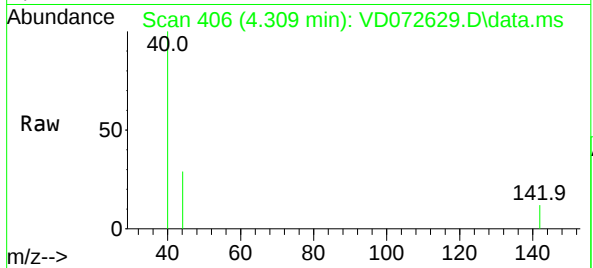




#10
Methyl Iodide
Concen: 4.121 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

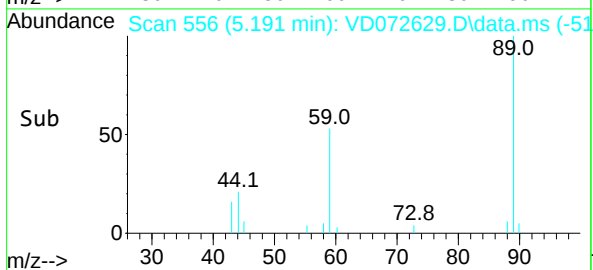
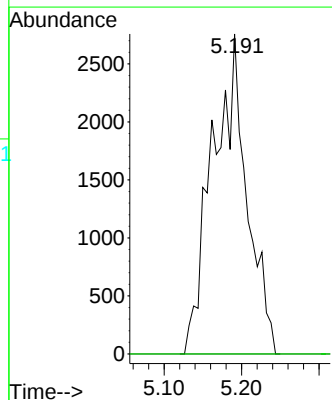
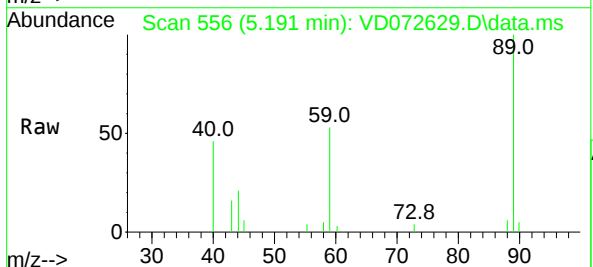
Instrument :
MSVOA_D
ClientSampleId :
339

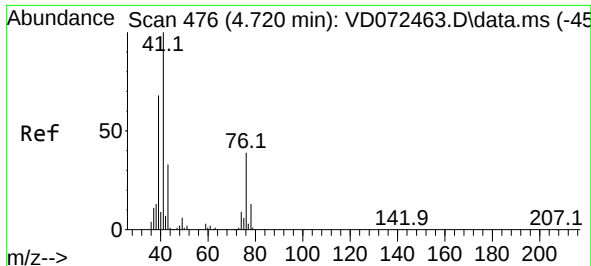
Tgt Ion:142 Resp: 555
Ion Ratio Lower Upper
142 100
127 36.8 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 107.993 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

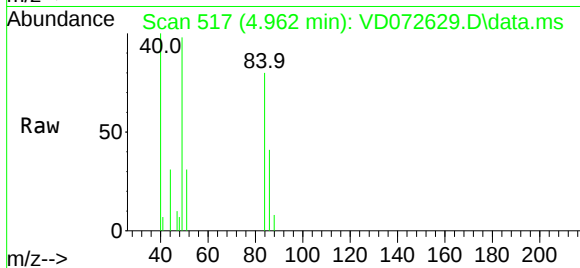
Tgt Ion: 59 Resp: 8491
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



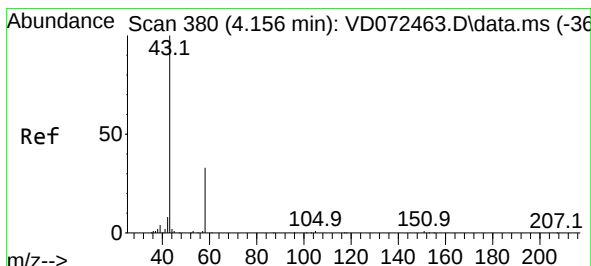
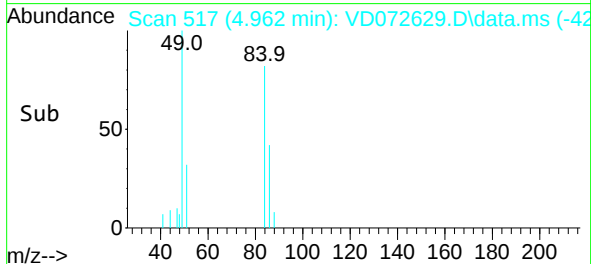
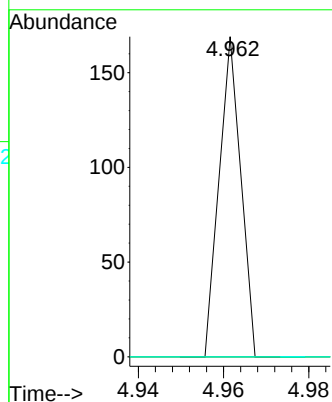


#14
 Allyl chloride
 Concen: 1.157 ug/l
 RT: 4.962 min Scan# 517
 Delta R.T. 0.242 min
 Lab File: VD072629.D
 Acq: 19 Apr 2022 17:15

Instrument :
 MSVOA_D
 ClientSampleId :
 339

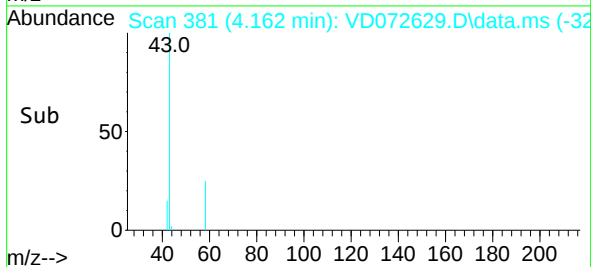
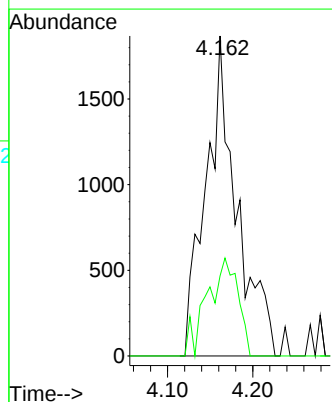
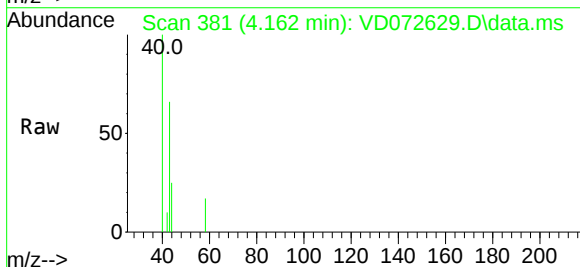


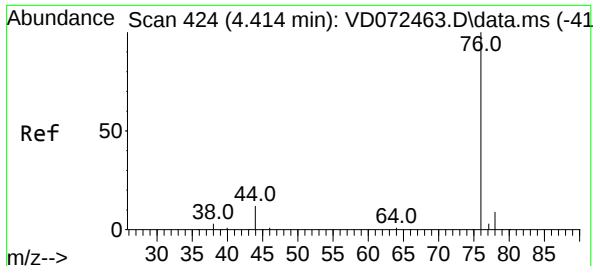
Tgt Ion: 41 Resp: 60
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 16.929 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072629.D
 Acq: 19 Apr 2022 17:15

Tgt Ion: 43 Resp: 4700
 Ion Ratio Lower Upper
 43 100
 58 25.0 22.1 33.1

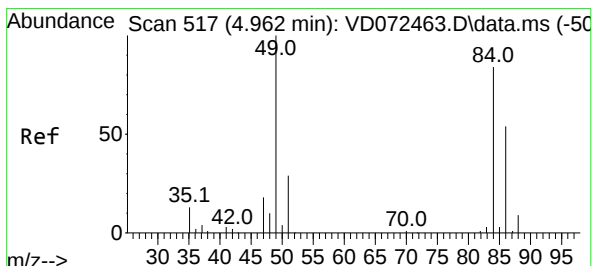
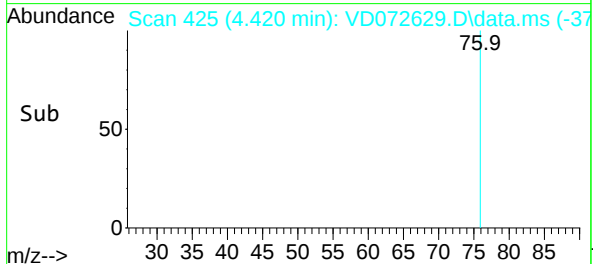
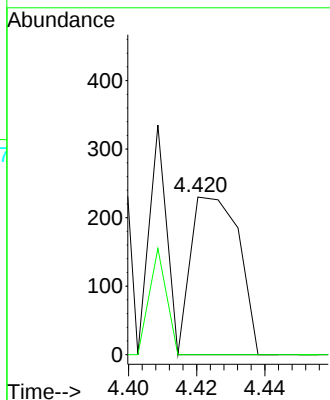
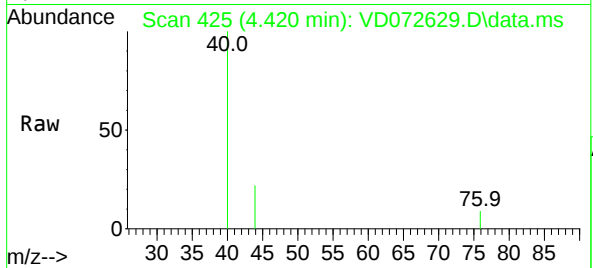




#17
Carbon Disulfide
Concen: 3.714 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

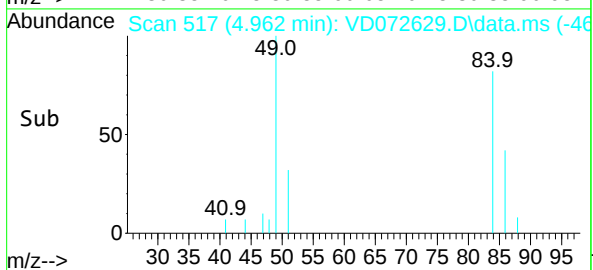
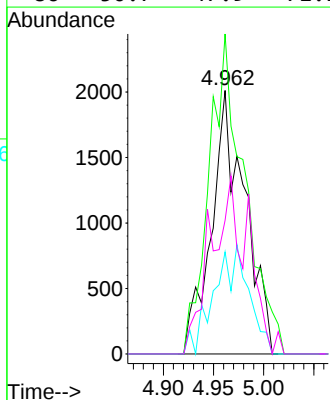
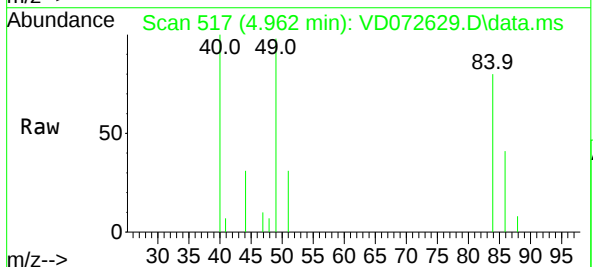
Instrument :
MSVOA_D
ClientSampleId :
339

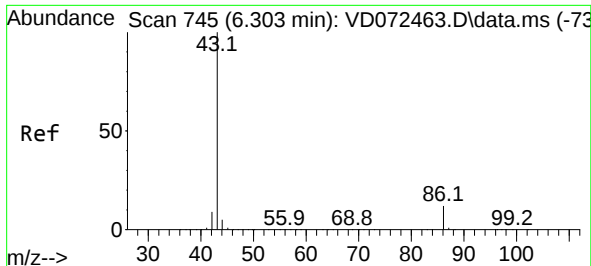
Tgt Ion: 76 Resp: 226
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 2.843 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

Tgt Ion: 84 Resp: 4699
Ion Ratio Lower Upper
84 100
49 121.4 112.8 169.2
51 38.7 32.6 48.8
86 50.7 47.9 71.9





#23

Vinyl Acetate

Concen: 6.313 ug/l

RT: 6.526 min Scan# 745

Delta R.T. 0.223 min

Lab File: VD072629.D

Acq: 19 Apr 2022 17:15

Instrument :

MSVOA_D

ClientSampleId :

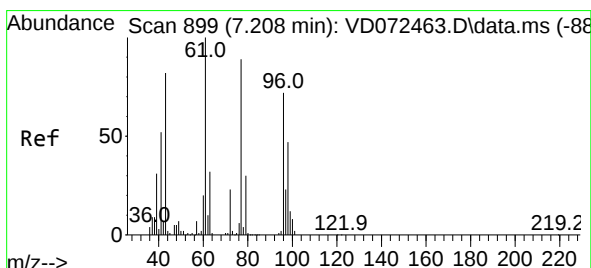
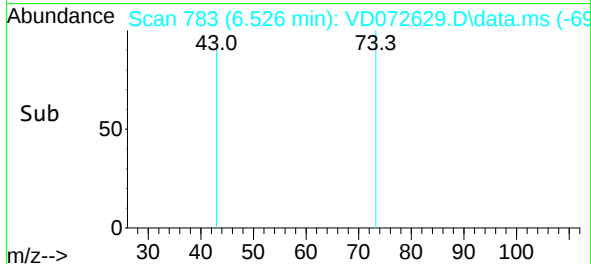
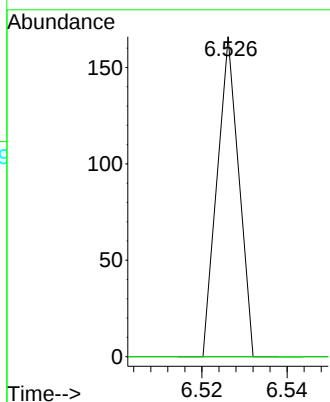
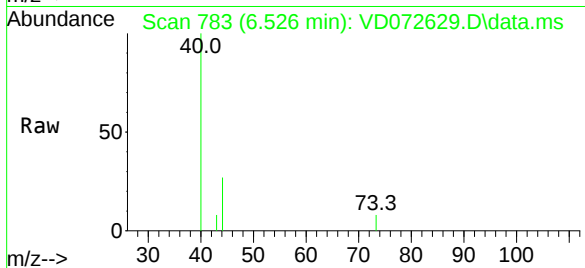
339

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



#25

2-Butanone

Concen: 2.050 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.012 min

Lab File: VD072629.D

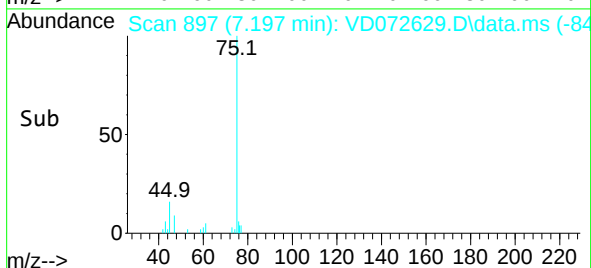
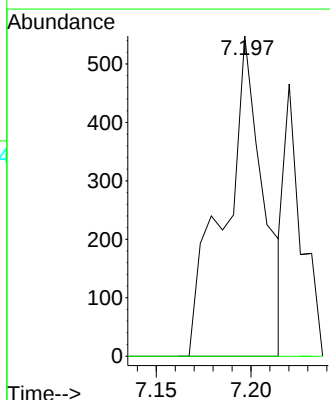
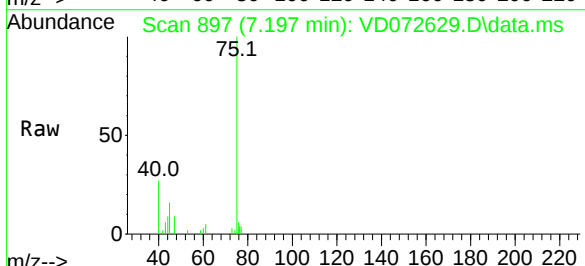
Acq: 19 Apr 2022 17:15

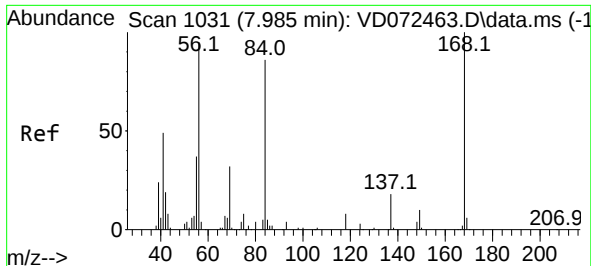
Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072629.D

Acq: 19 Apr 2022 17:15

Instrument :

MSVOA_D

ClientSampleId :

339

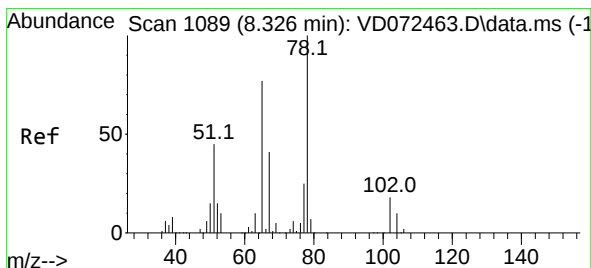
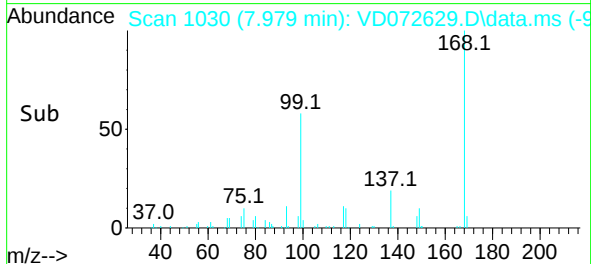
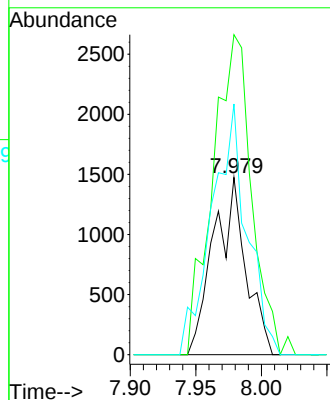
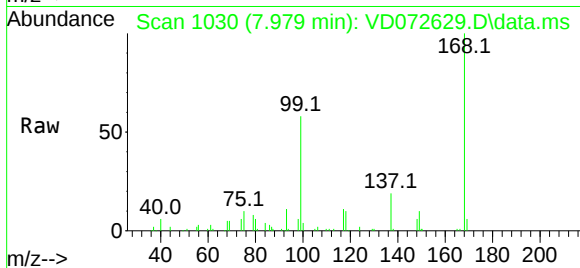
Tgt Ion: 56 Resp: 2527

Ion Ratio Lower Upper

56 100

69 180.5 25.4 38.2#

84 141.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 73.988 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072629.D

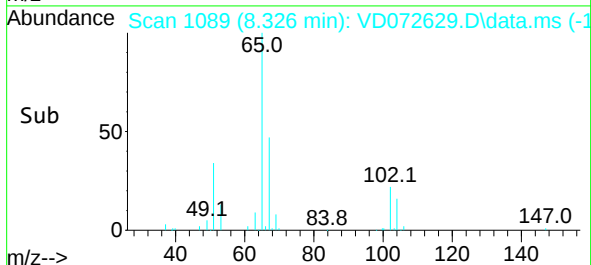
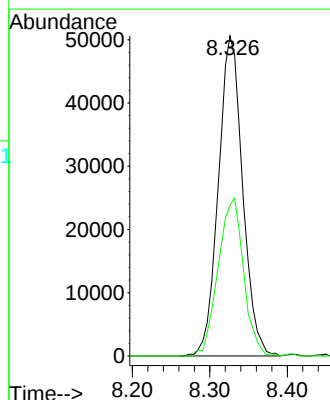
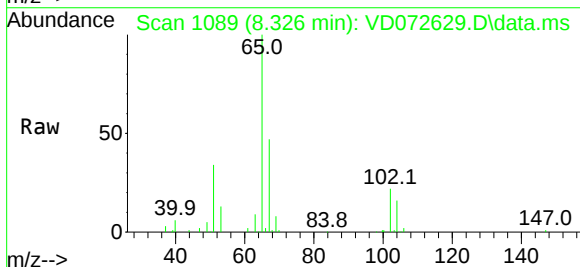
Acq: 19 Apr 2022 17:15

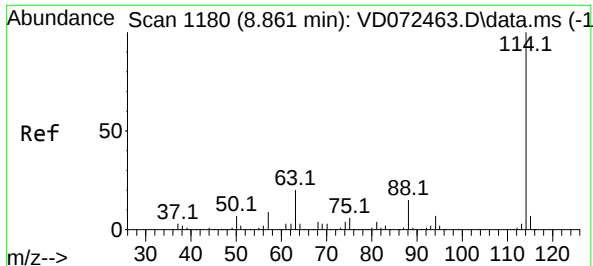
Tgt Ion: 65 Resp: 110159

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072629.D

Acq: 19 Apr 2022 17:15

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339

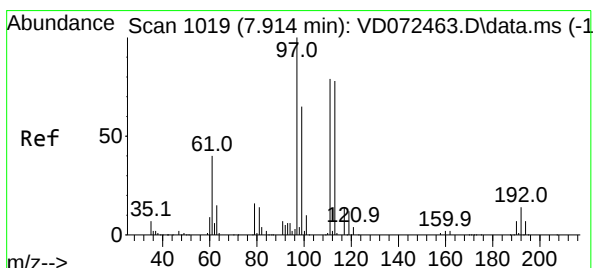
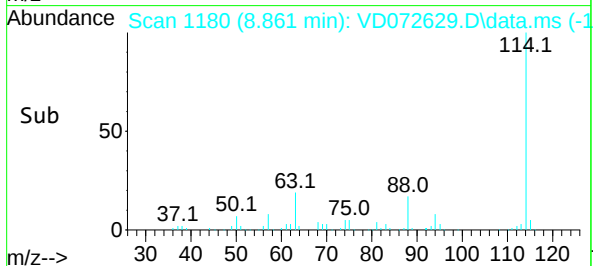
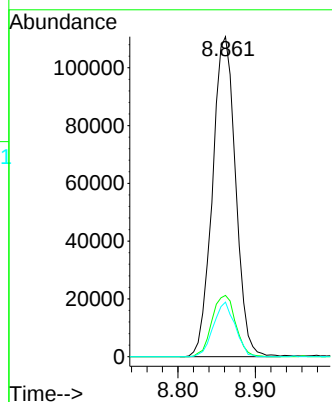
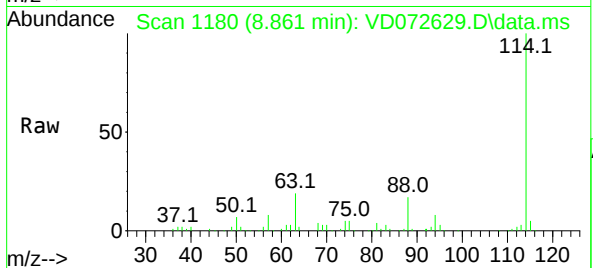
Tgt Ion:114 Resp: 229883

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 17.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.618 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072629.D

Acq: 19 Apr 2022 17:15

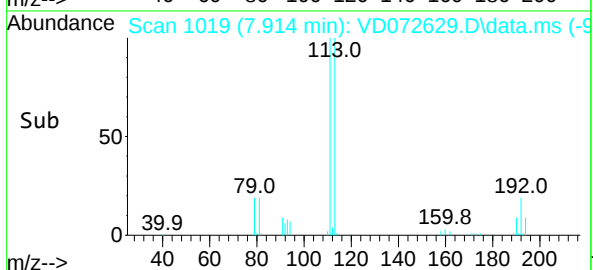
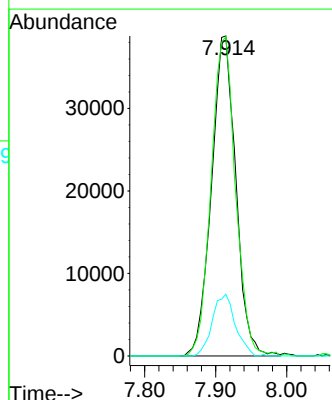
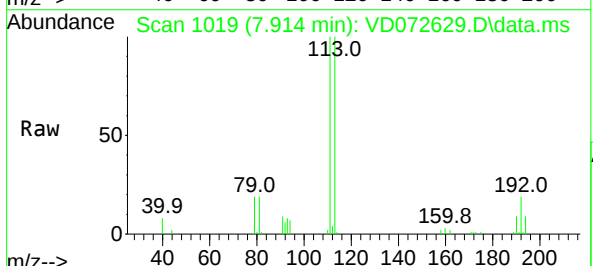
Tgt Ion:113 Resp: 92216

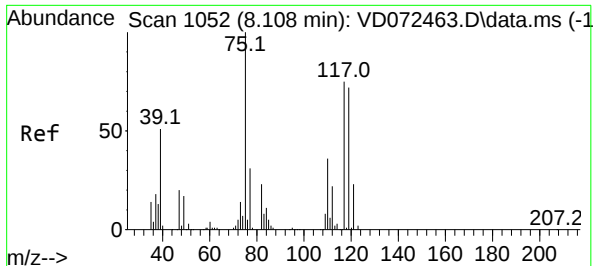
Ion Ratio Lower Upper

113 100

111 100.3 83.8 125.6

192 18.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.917 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072629.D

Acq: 19 Apr 2022 17:15

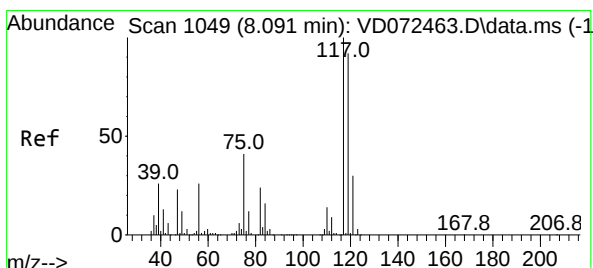
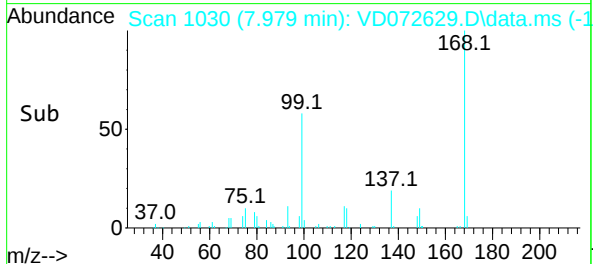
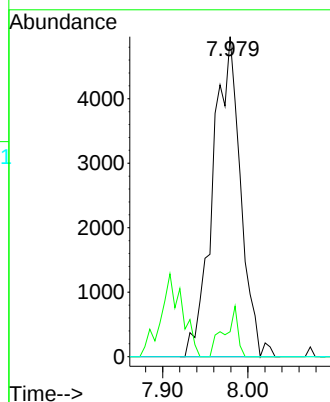
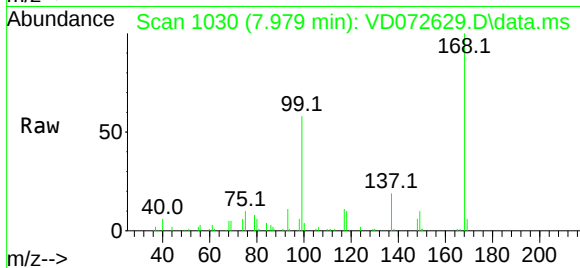
Instrument :

MSVOA_D

ClientSampleId :

339

Tgt Ion:	75	Resp:	11195
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.307 ug/l

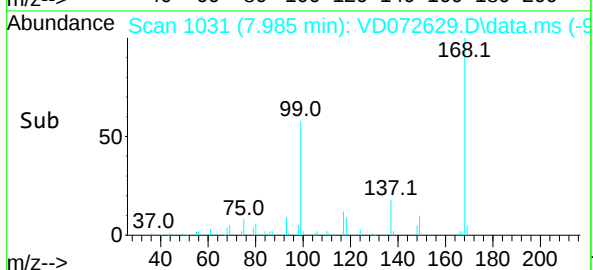
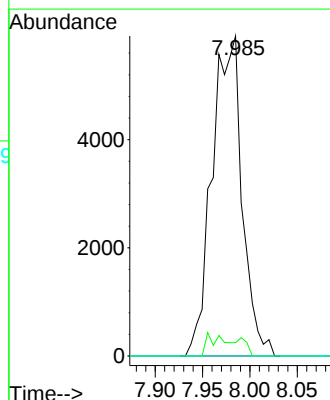
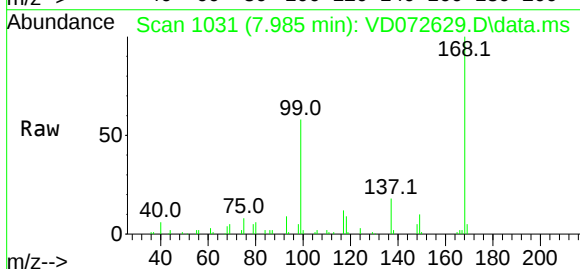
RT: 7.985 min Scan# 1031

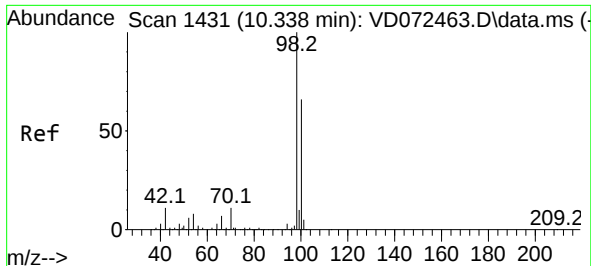
Delta R.T. -0.106 min

Lab File: VD072629.D

Acq: 19 Apr 2022 17:15

Tgt Ion:	117	Resp:	13062
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.6#
121	0.0	24.5	36.7#

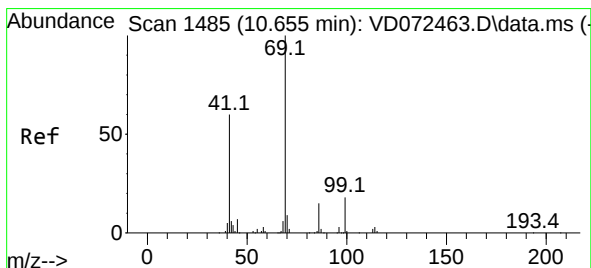
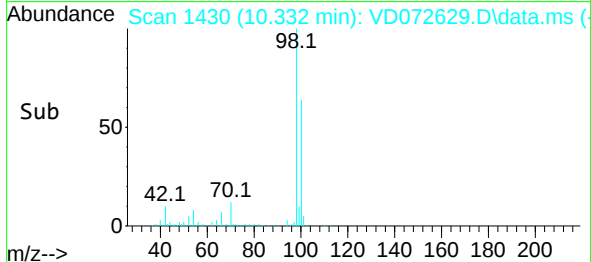
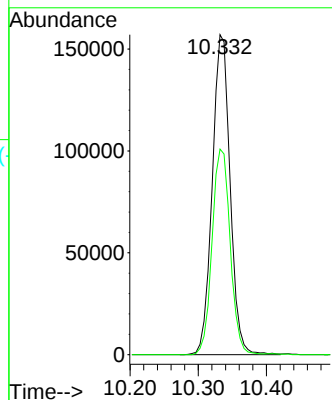
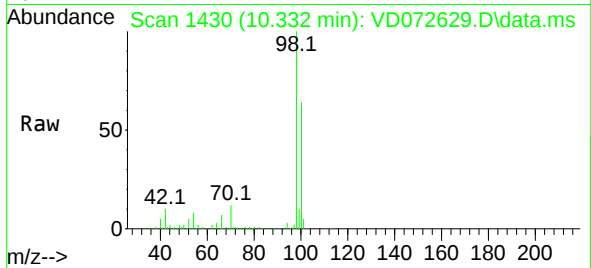




#50
Toluene-d8
Concen: 46.073 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

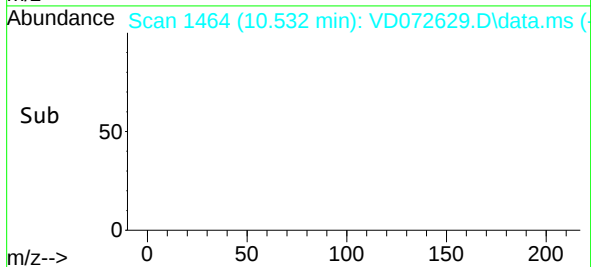
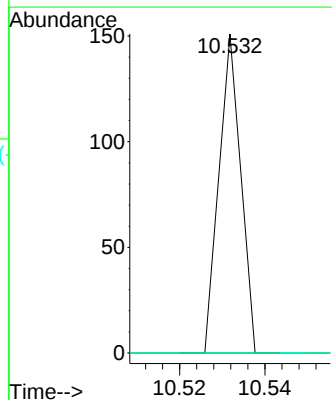
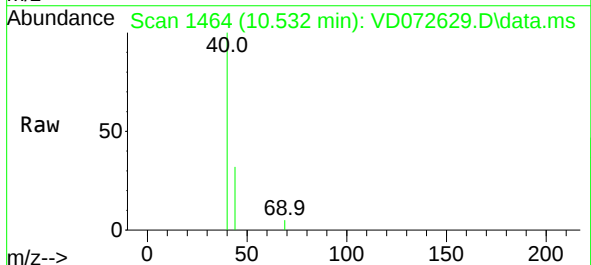
Instrument :
MSVOA_D
ClientSampleId :
339

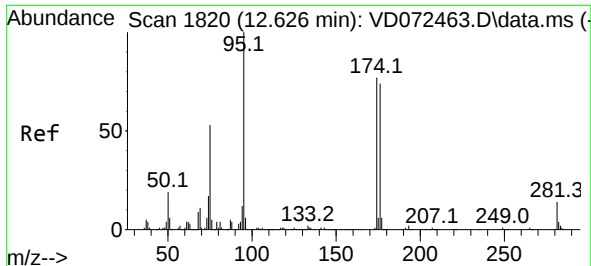
Tgt Ion: 98 Resp: 286113
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.221 ug/l
RT: 10.532 min Scan# 1464
Delta R.T. -0.123 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

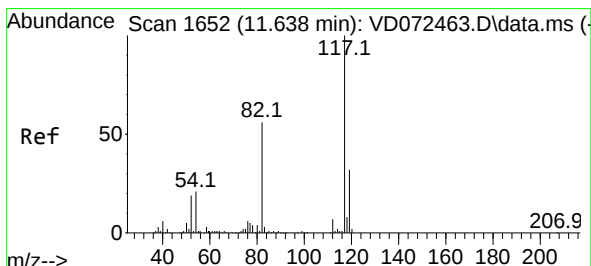
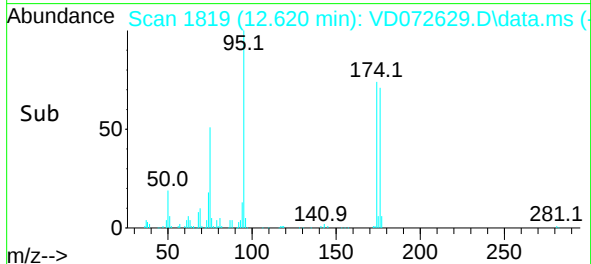
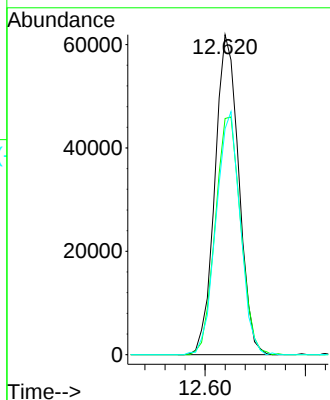
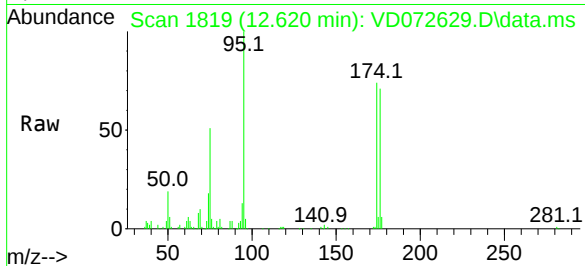




#62
4-Bromofluorobenzene
Concen: 42.110 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

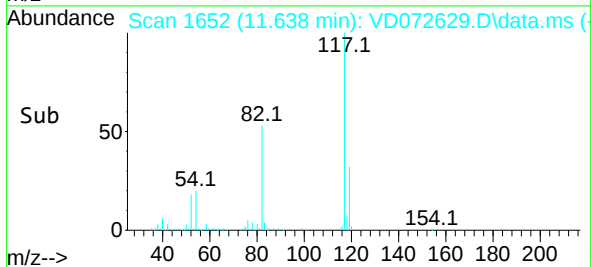
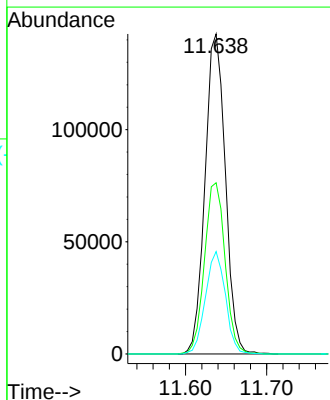
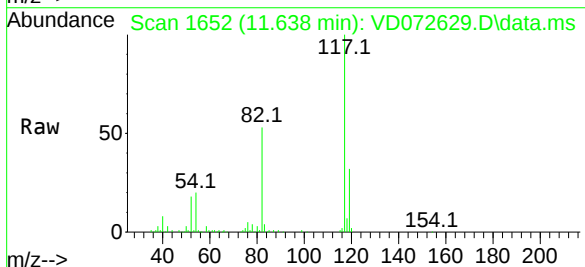
Instrument :
MSVOA_D
ClientSampleId :
339

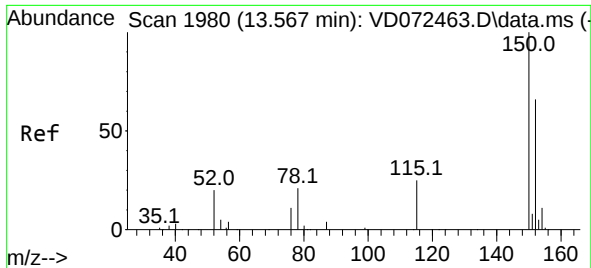
Tgt Ion: 95 Resp: 102129
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 76.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

Tgt Ion: 117 Resp: 248354
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.0 26.6 40.0

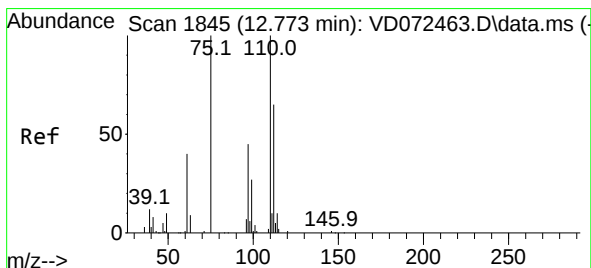
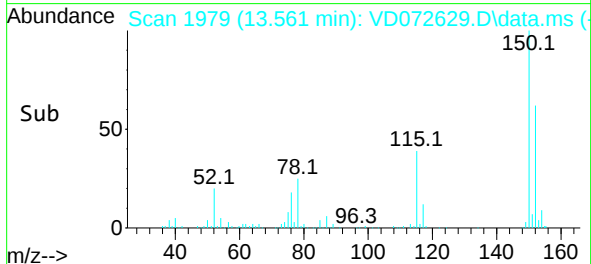
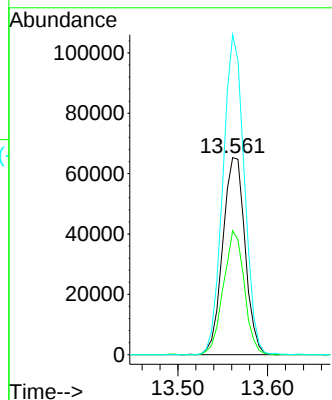
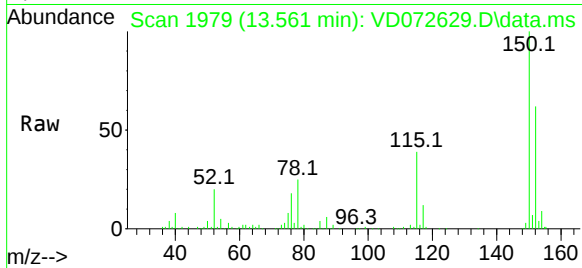




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072629.D
 Acq: 19 Apr 2022 17:15

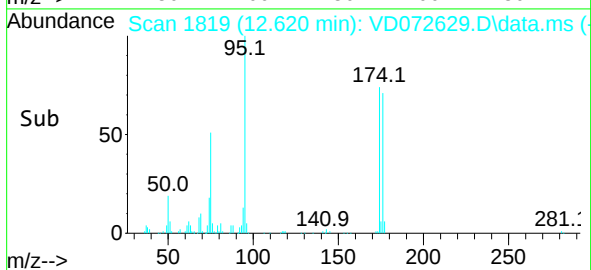
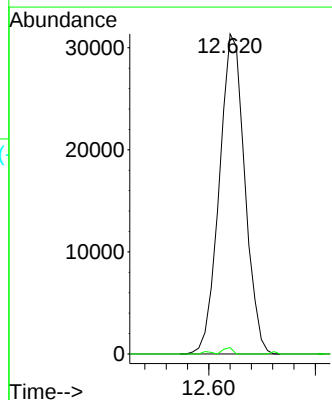
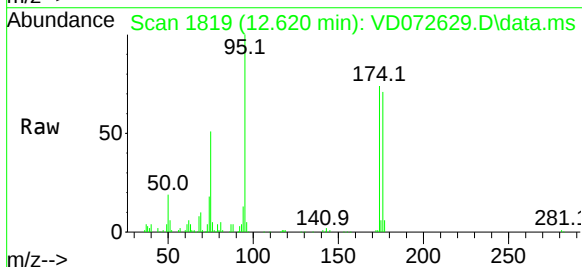
Instrument :
 MSVOA_D
 ClientSampleId :
 339

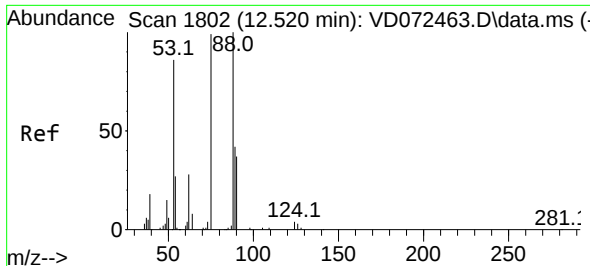
Tgt Ion:152 Resp: 112848
 Ion Ratio Lower Upper
 152 100
 115 59.1 31.3 93.8
 150 155.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 42.195 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072629.D
 Acq: 19 Apr 2022 17:15

Tgt Ion: 75 Resp: 51933
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

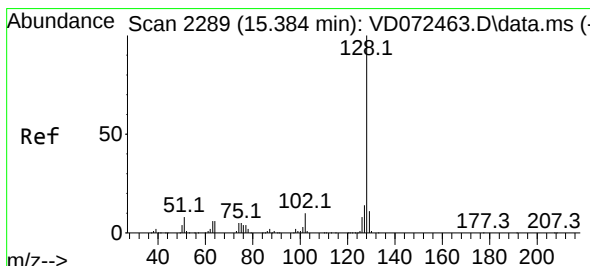
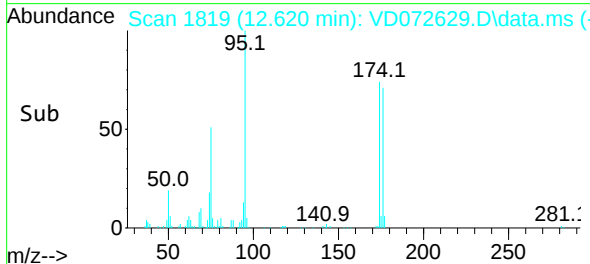
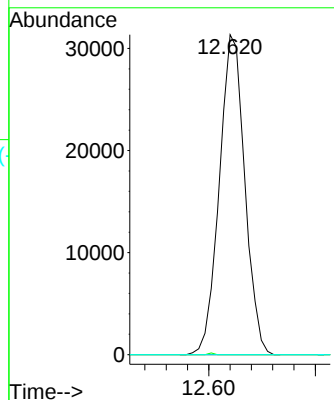
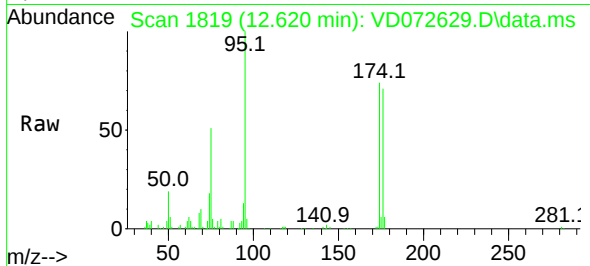




#81
trans-1,4-Dichloro-2-butene
Concen: 103.538 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

Instrument :
MSVOA_D
ClientSampleId :
339

Tgt Ion: 75 Resp: 51933
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 2.097 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072629.D
Acq: 19 Apr 2022 17:15

Tgt Ion: 128 Resp: 9429
Ion Ratio Lower Upper
128 100
127 18.1 10.3 15.5#
129 8.9 8.4 12.6

