

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022822\
 Data File : VD072114.D
 Acq On : 28 Feb 2022 11:15
 Operator : VA/SY
 Sample : VD0228SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

Quant Time: Feb 28 16:27:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

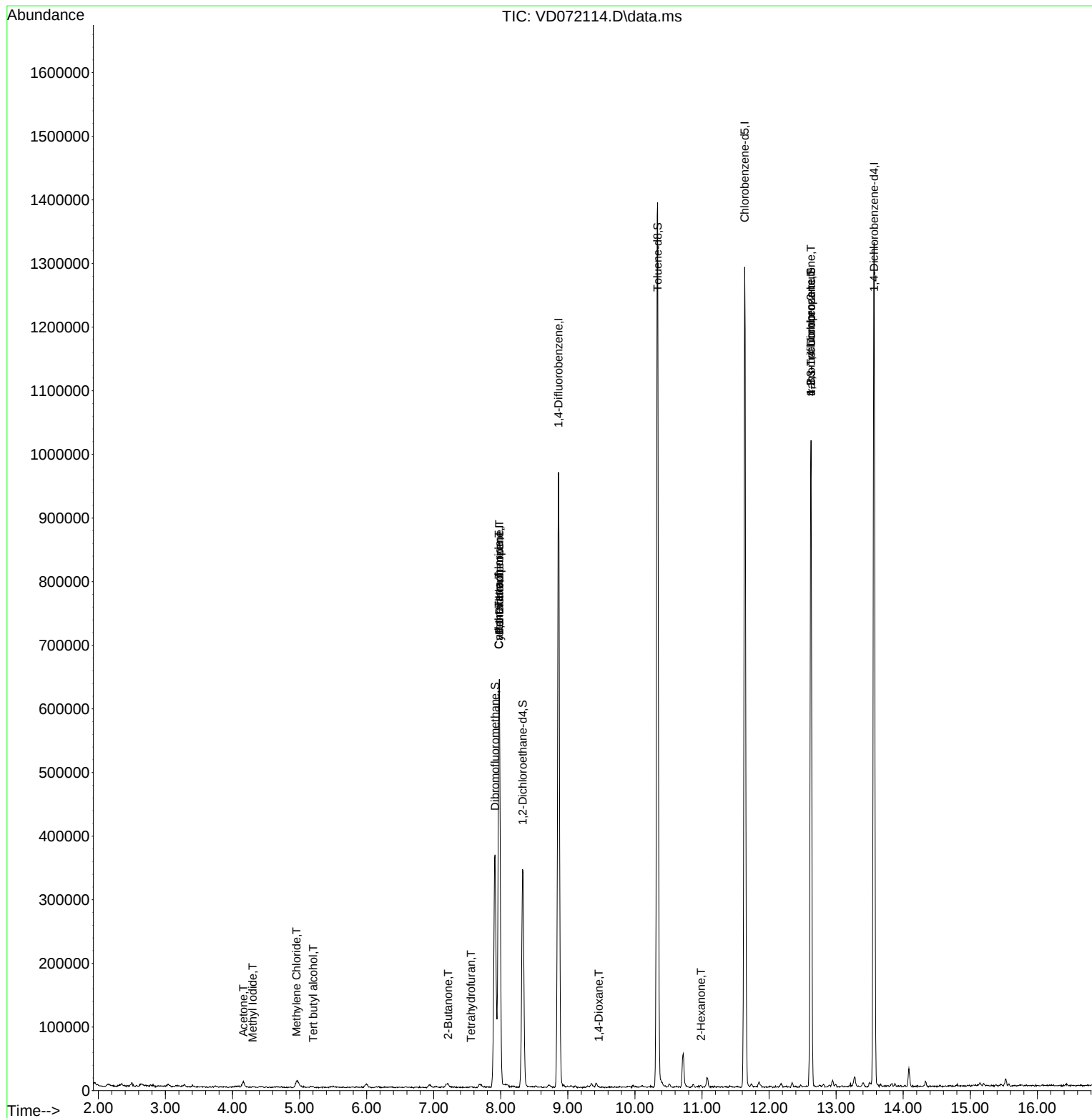
Internal Standards						
1) Pentafluorobenzene	7.979	168	475025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	808853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	744881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	350272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	274654	55.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.480%			
35) Dibromofluoromethane	7.914	113	261344	53.329	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.338	98	958655	52.750	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.500%			
62) 4-Bromofluorobenzene	12.626	95	337664	50.582	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.160%			
Target Compounds			Qvalue			
5) Bromomethane	2.773	94	1315	Below Cal #		61
10) Methyl Iodide	4.303	142	894	3.080 ug/l #		62
11) Tert butyl alcohol	5.203	59	523	1.860 ug/l #		80
16) Acetone	4.162	43	15417	14.477 ug/l #		82
18) Methyl Acetate	4.709	43	186	Below Cal #		52
20) Methylene Chloride	4.956	84	8621	1.627 ug/l #		77
25) 2-Butanone	7.214	43	5804	3.943 ug/l #		84
29) Tetrahydrofuran	7.556	42	962	1.024 ug/l #		40
31) Cyclohexane	7.973	56	11983	1.377 ug/l #		30
36) 1,1-Dichloropropene	7.979	75	38899	5.240 ug/l #		48
38) Carbon Tetrachloride	7.973	117	48956	6.434 ug/l #		16
49) 1,4-Dioxane	9.461	88	146	4.174 ug/l #		1
59) 2-Hexanone	10.985	43	2697	1.164 ug/l		77
76) 1,2,3-Trichloropropane	12.626	75	171488	51.686 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	171488	129.434 ug/l #		10

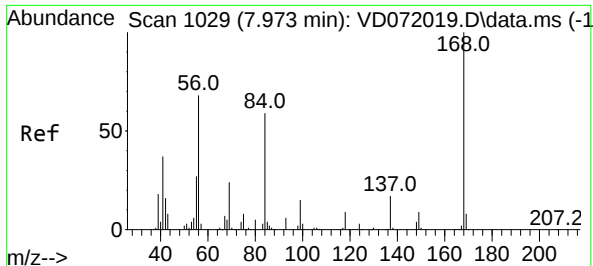
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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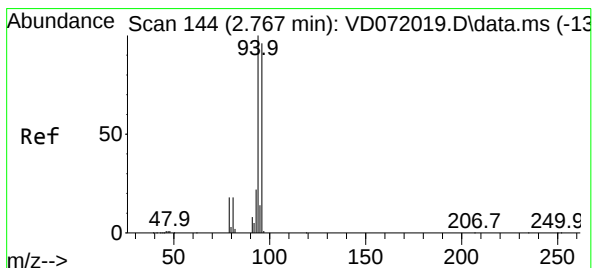
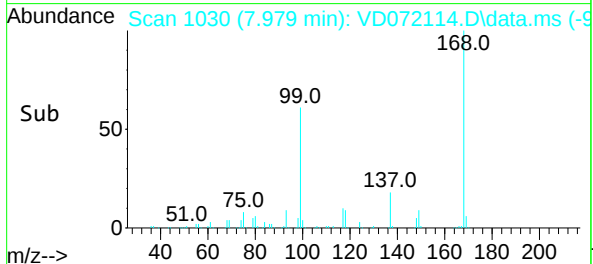
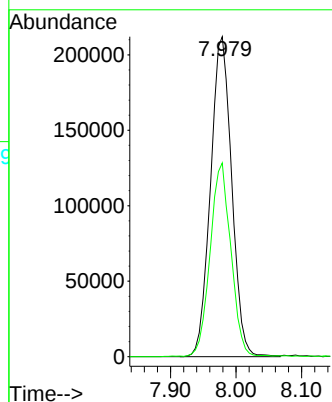
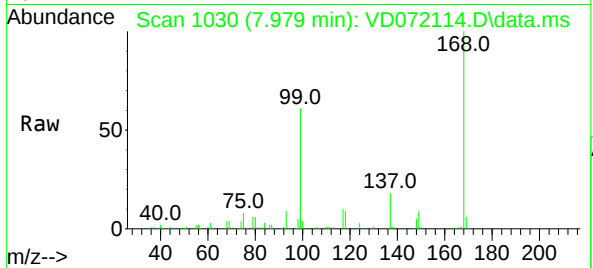




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

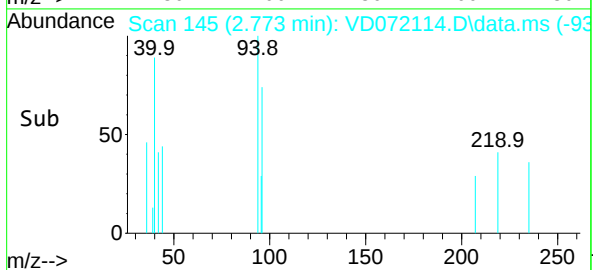
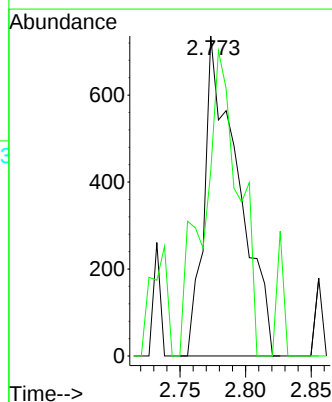
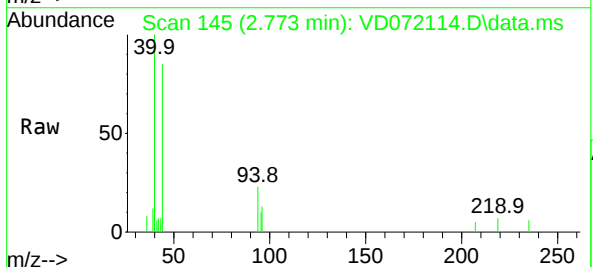
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

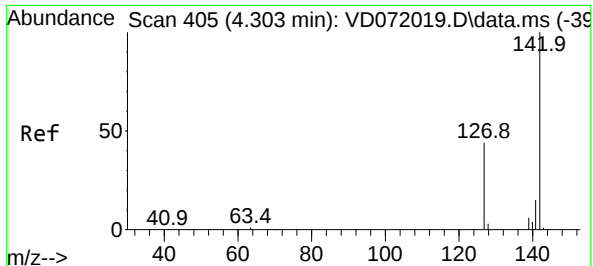
Tgt Ion:168 Resp: 475025
Ion Ratio Lower Upper
168 100
99 60.4 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Tgt Ion: 94 Resp: 1315
Ion Ratio Lower Upper
94 100
96 57.7 76.8 115.2#

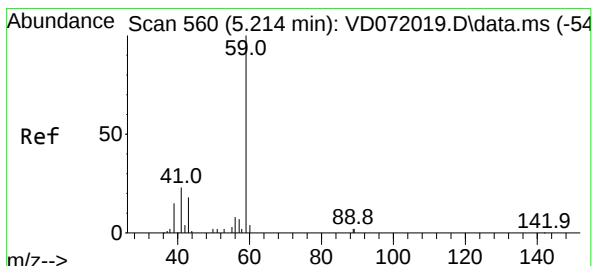
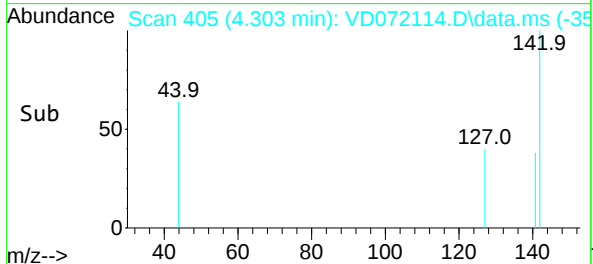
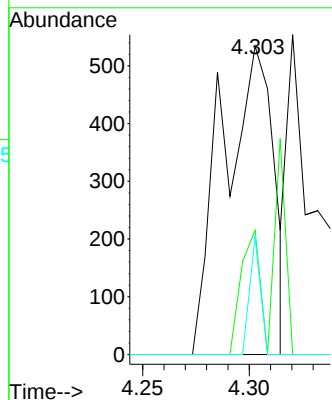
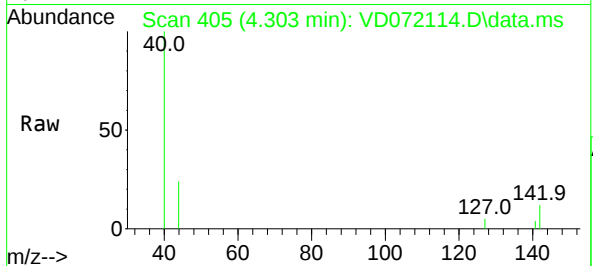




#10
Methyl Iodide
Concen: 3.080 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

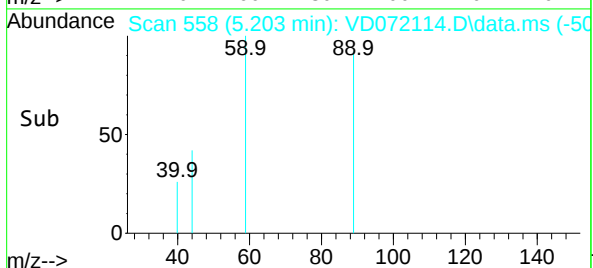
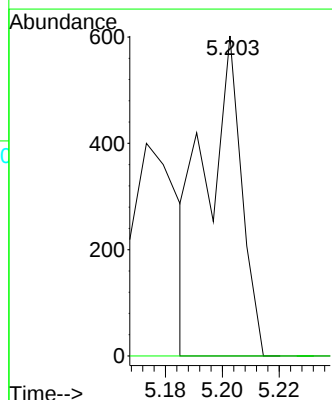
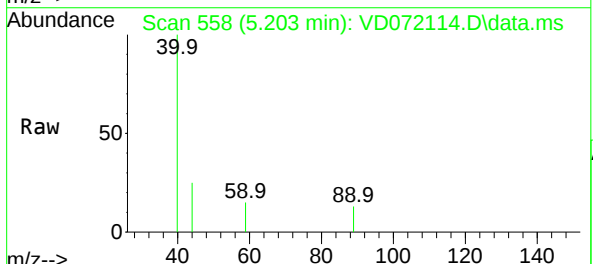
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

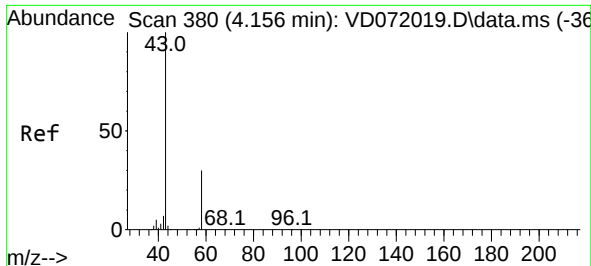
Tgt Ion:142 Resp: 894
Ion Ratio Lower Upper
142 100
127 14.9 35.8 53.8#
141 8.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.860 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Tgt Ion: 59 Resp: 523
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

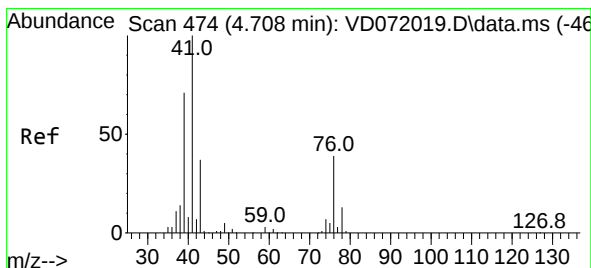
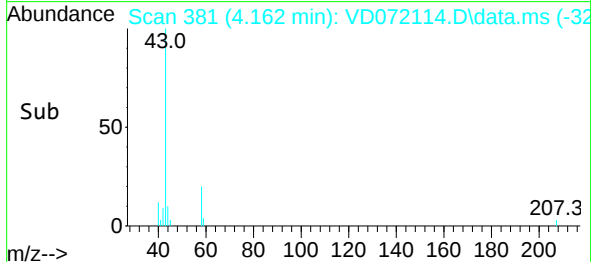
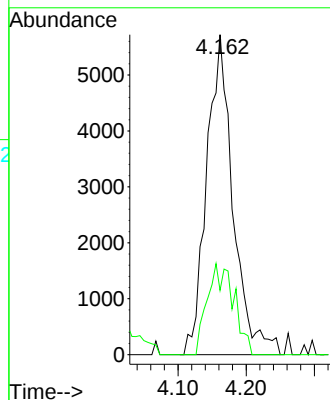
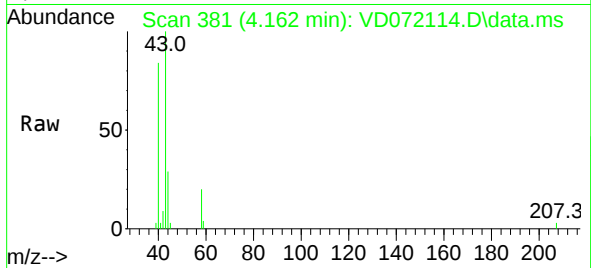




#16
Acetone
Concen: 14.477 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

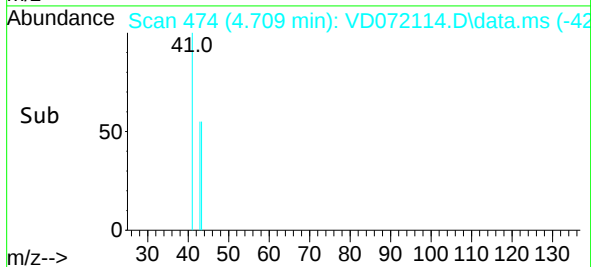
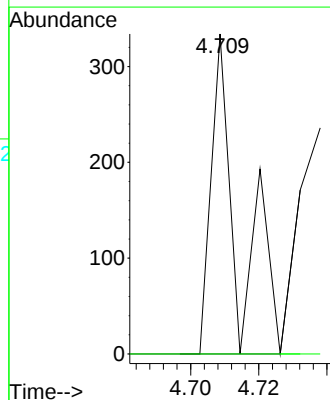
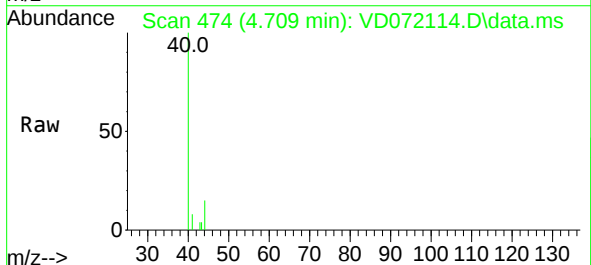
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

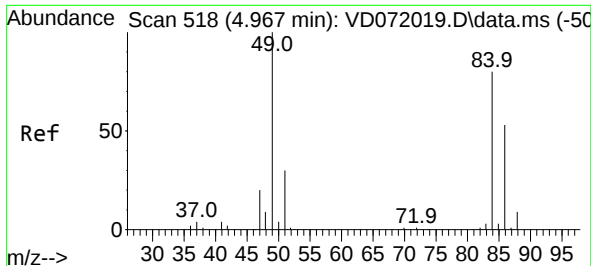
Tgt Ion: 43 Resp: 15417
Ion Ratio Lower Upper
43 100
58 20.1 23.8 35.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. 0.001 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

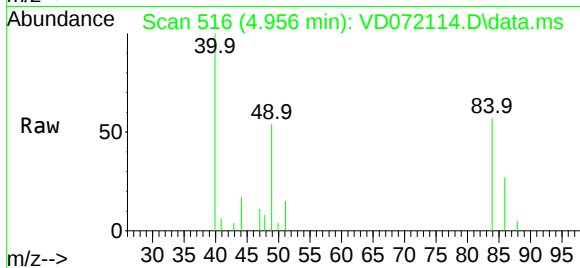
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



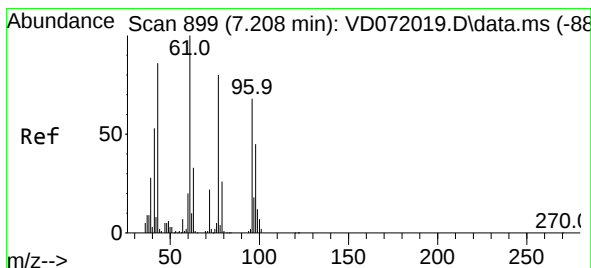
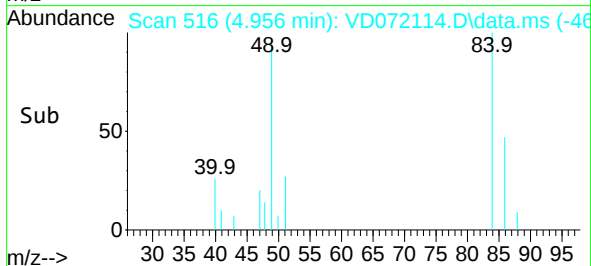
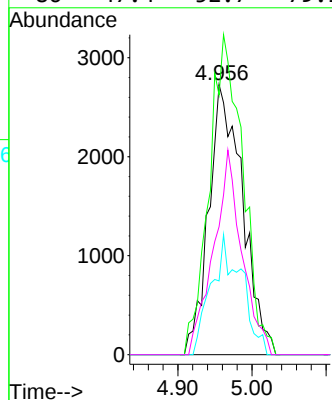


#20
Methylene Chloride
Concen: 1.627 ug/l
RT: 4.956 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

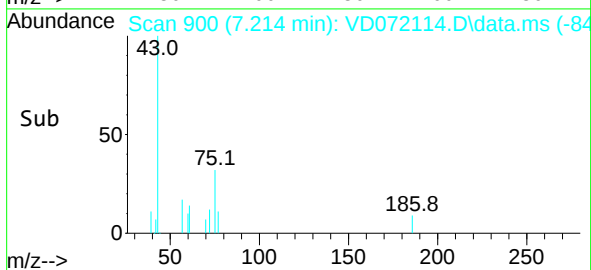
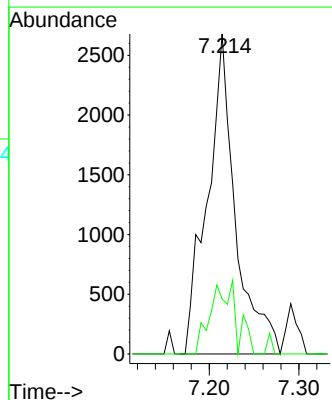
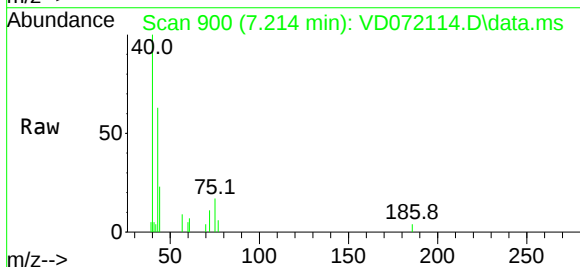


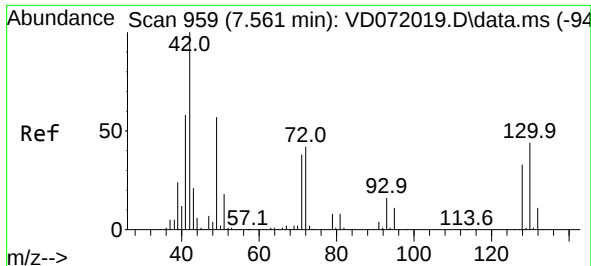
Tgt Ion:	84	Resp:	8621
Ion	Ratio	Lower	Upper
84	100		
49	96.2	100.0	150.0#
51	27.3	30.2	45.4#
86	47.4	52.7	79.1#



#25
2-Butanone
Concen: 3.943 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Tgt Ion:	43	Resp:	5804
Ion	Ratio	Lower	Upper
43	100		
72	17.2	20.3	30.5#





#29

Tetrahydrofuran

Concen: 1.024 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD072114.D

Acq: 28 Feb 2022 11:15

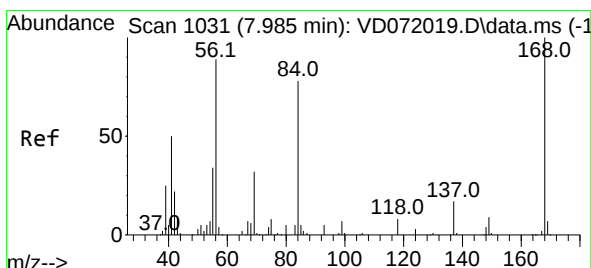
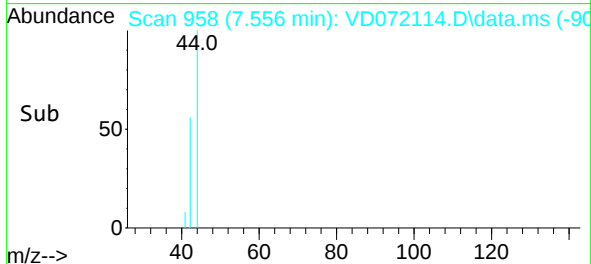
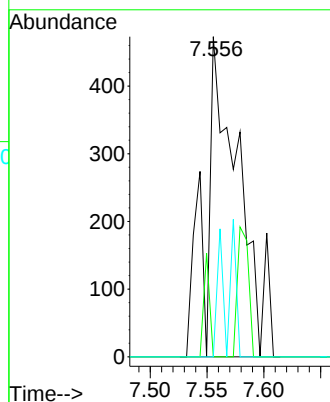
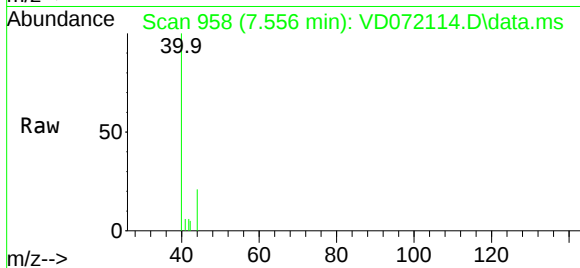
Instrument :

MSVOA_D

ClientSampleId :

VD0228SBL01

Tgt Ion:	42	Resp:	962
Ion	Ratio	Lower	Upper
42	100		
72	5.6	33.6	50.4#
71	0.0	31.0	46.4#



#31

Cyclohexane

Concen: 1.377 ug/l

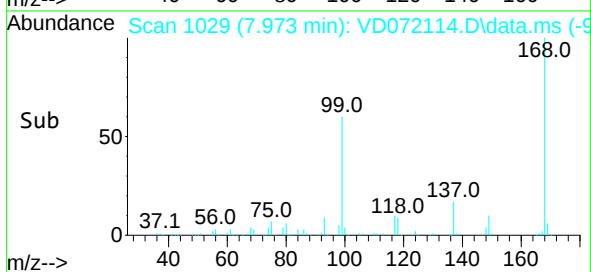
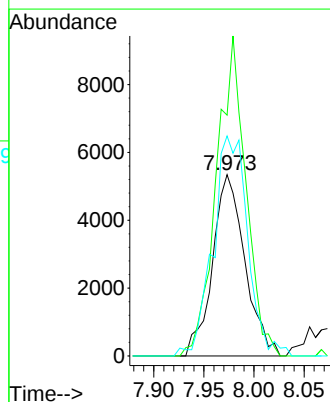
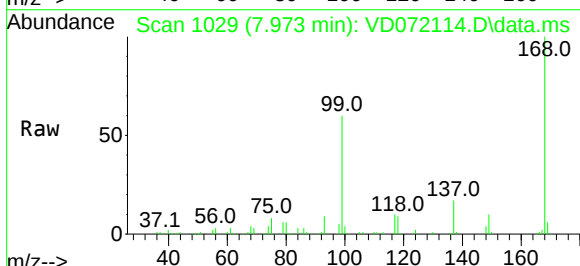
RT: 7.973 min Scan# 1029

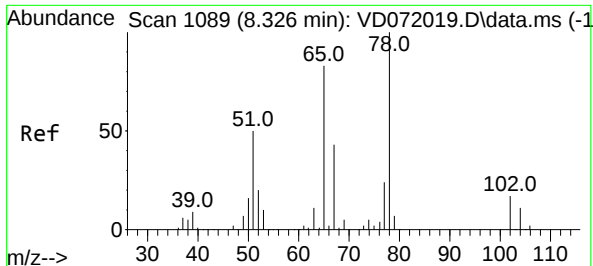
Delta R.T. -0.012 min

Lab File: VD072114.D

Acq: 28 Feb 2022 11:15

Tgt Ion:	56	Resp:	11983
Ion	Ratio	Lower	Upper
56	100		
69	132.9	28.9	43.3#
84	117.1	70.6	105.8#





#33

1,2-Dichloroethane-d4

Concen: 55.740 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD072114.D

Acq: 28 Feb 2022 11:15

Instrument :

MSVOA_D

ClientSampleId :

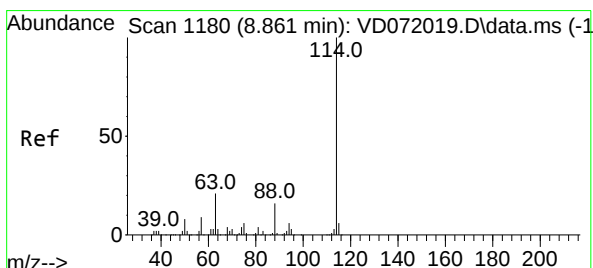
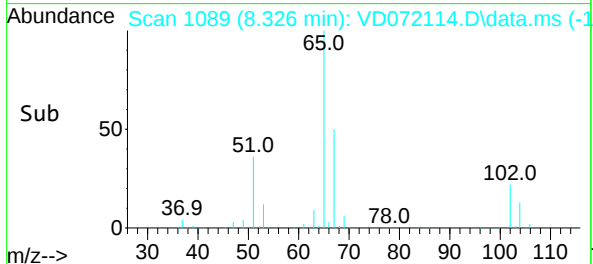
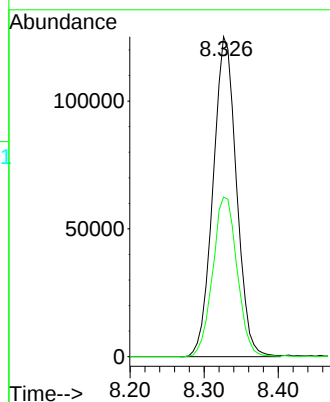
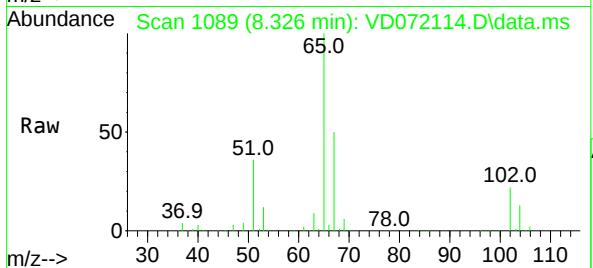
VD0228SBL01

Tgt Ion: 65 Resp: 274654

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072114.D

Acq: 28 Feb 2022 11:15

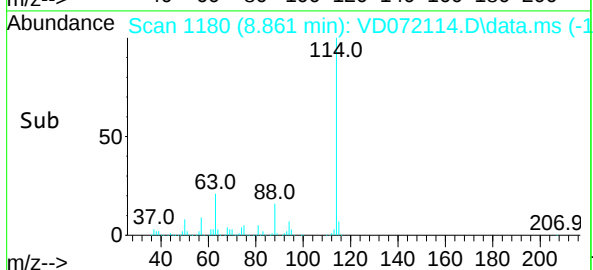
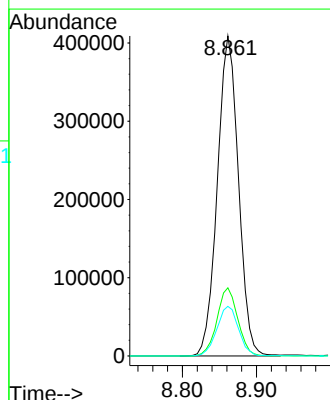
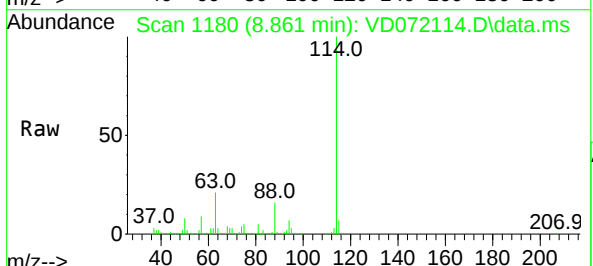
Tgt Ion: 114 Resp: 808853

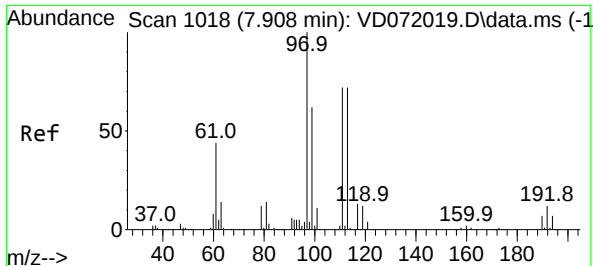
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.2

88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.329 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072114.D

Acq: 28 Feb 2022 11:15

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VD0228SBL01

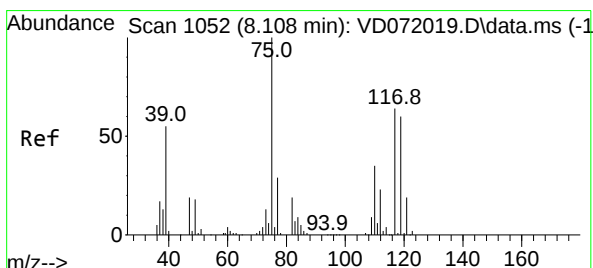
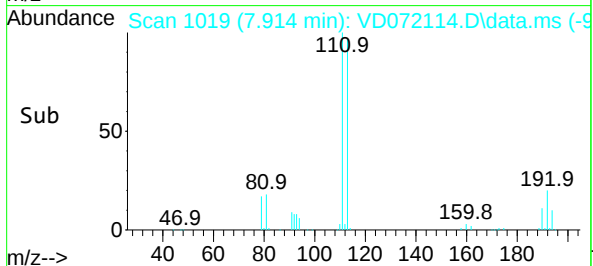
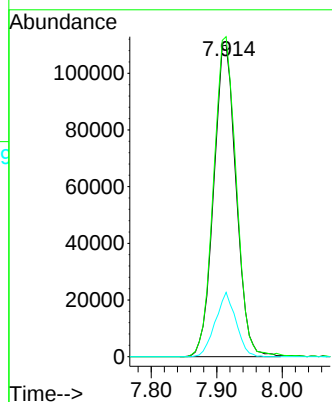
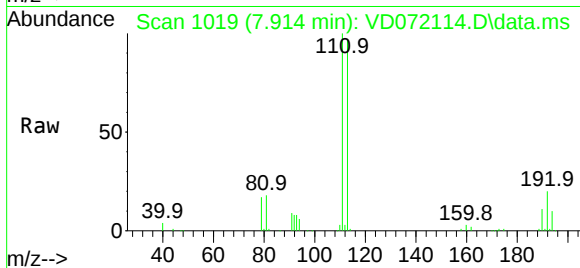
Tgt Ion:113 Resp: 261344

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 18.9 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.240 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072114.D

Acq: 28 Feb 2022 11:15

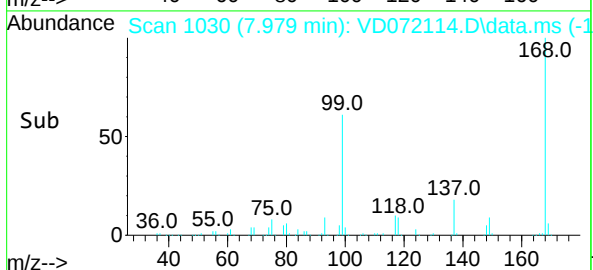
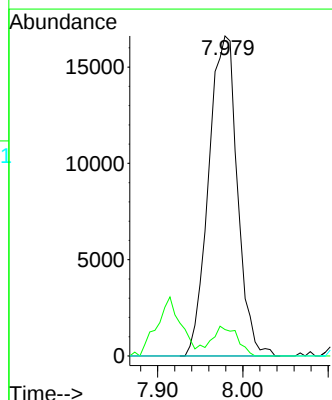
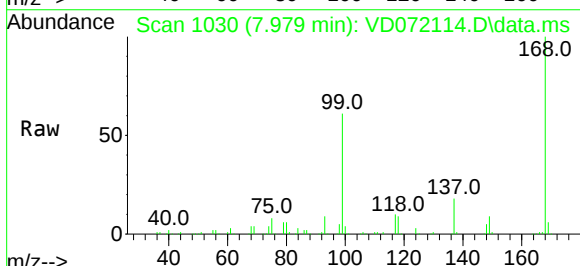
Tgt Ion: 75 Resp: 38899

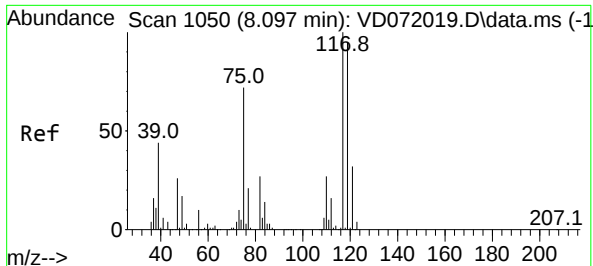
Ion Ratio Lower Upper

75 100

110 7.8 17.7 53.1#

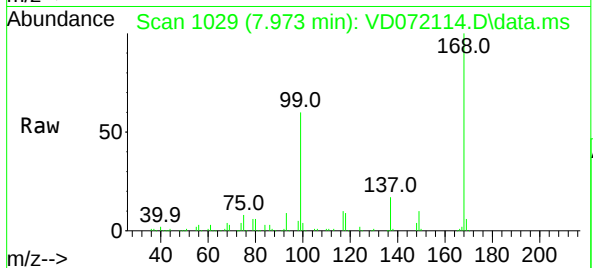
77 0.0 24.8 37.2#



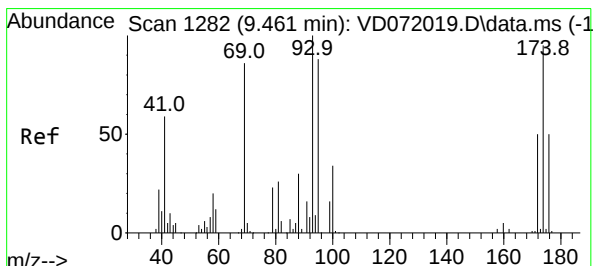
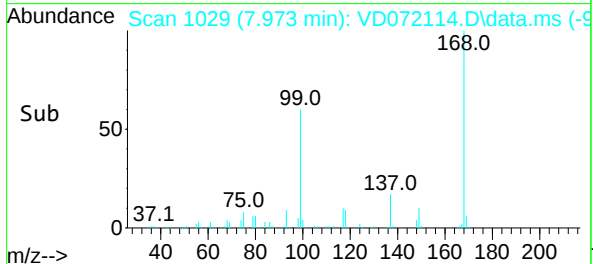
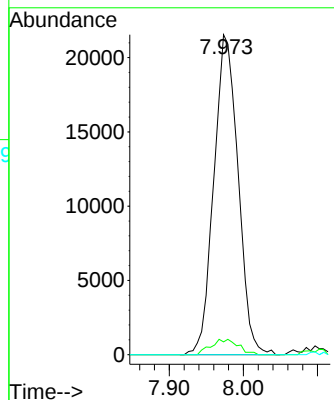


#38
Carbon Tetrachloride
Concen: 6.434 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

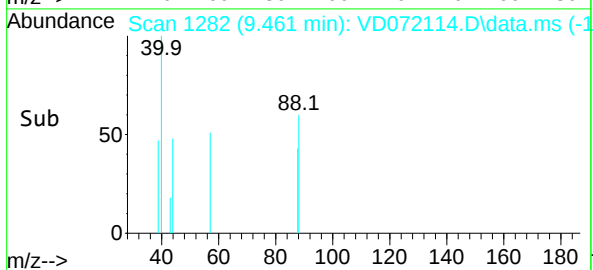
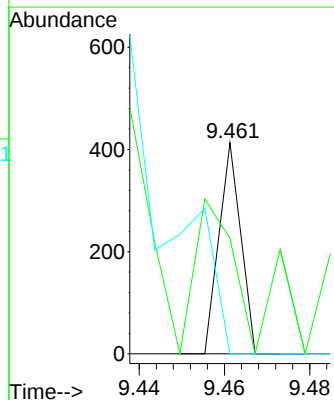
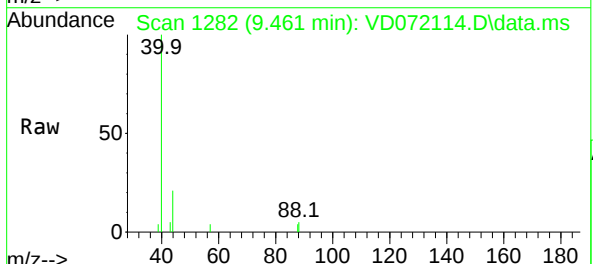


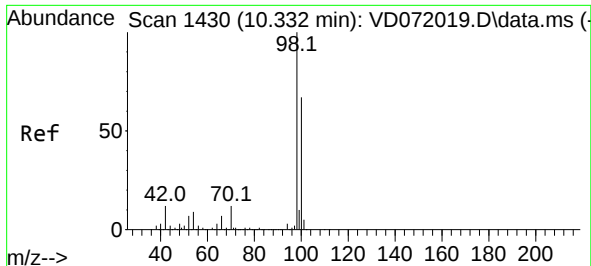
Tgt Ion:117 Resp: 48956
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 4.174 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.000 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Tgt Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 128.1 29.9 44.9#
58 0.0 61.0 91.4#

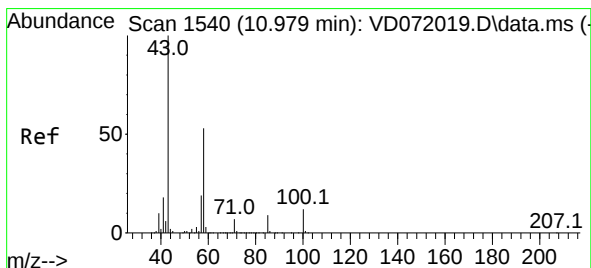
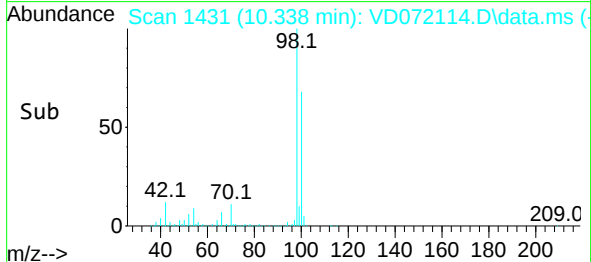
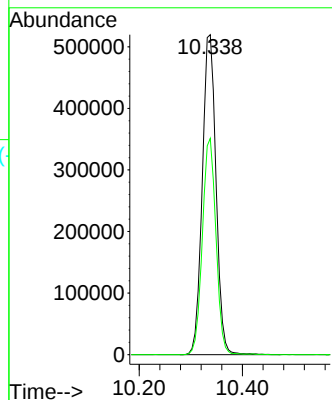
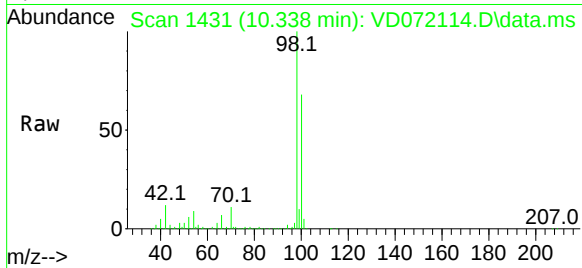




#50
Toluene-d8
Concen: 52.750 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

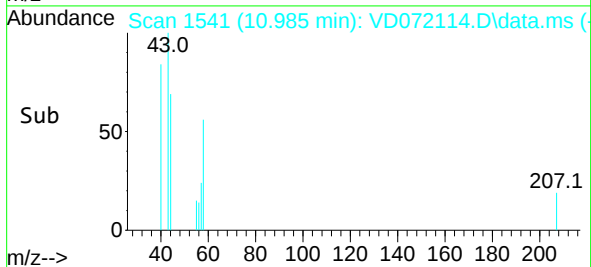
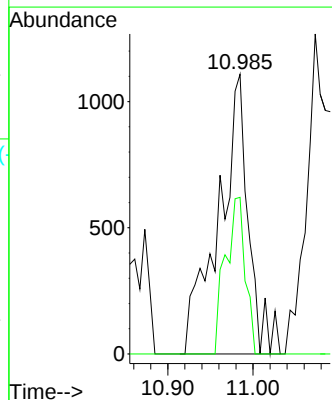
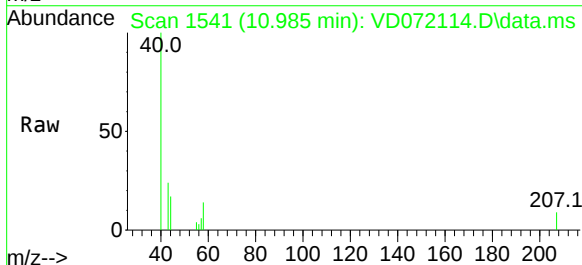
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

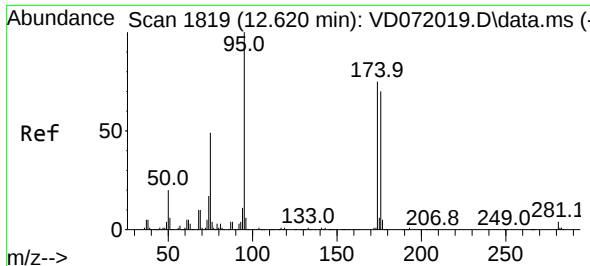
Tgt Ion: 98 Resp: 958655
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



#59
2-Hexanone
Concen: 1.164 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Tgt Ion: 43 Resp: 2697
Ion Ratio Lower Upper
43 100
58 37.2 27.0 80.8

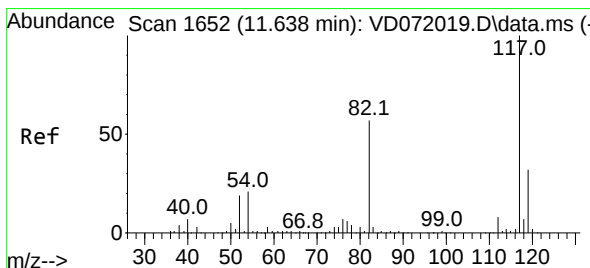
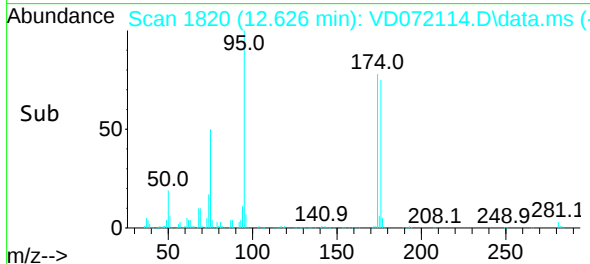
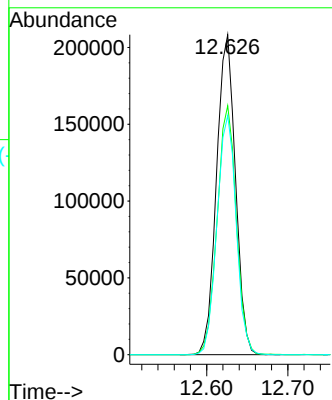
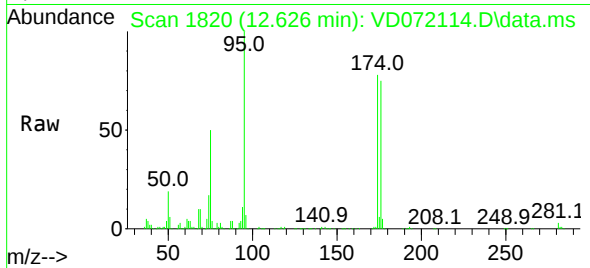




#62
4-Bromofluorobenzene
Concen: 50.582 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

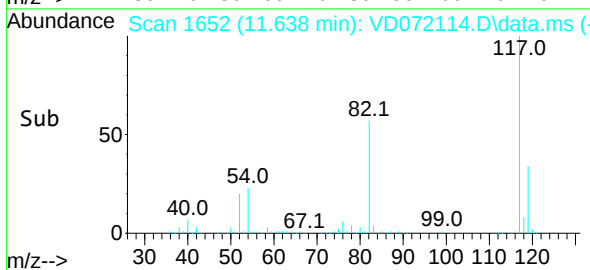
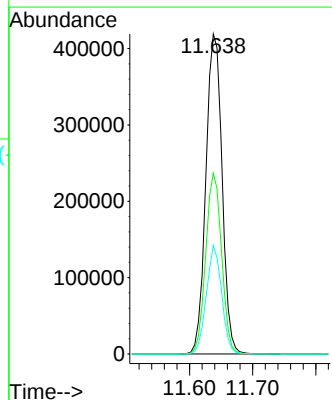
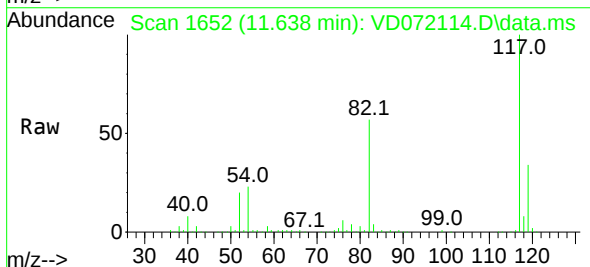
Instrument :
MSVOA_D
ClientSampleId :
VD0228SBL01

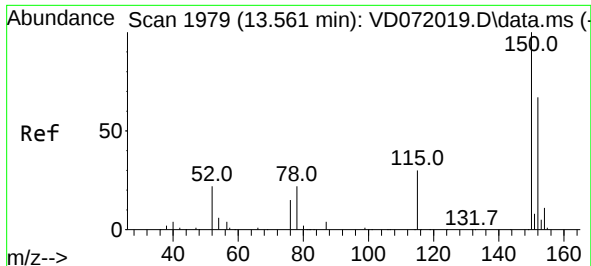
Tgt Ion: 95 Resp: 337664
Ion Ratio Lower Upper
95 100
174 78.8 0.0 155.0
176 75.5 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072114.D
Acq: 28 Feb 2022 11:15

Tgt Ion: 117 Resp: 744881
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 33.9 25.4 38.2

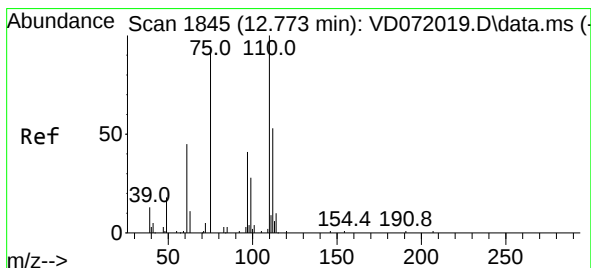
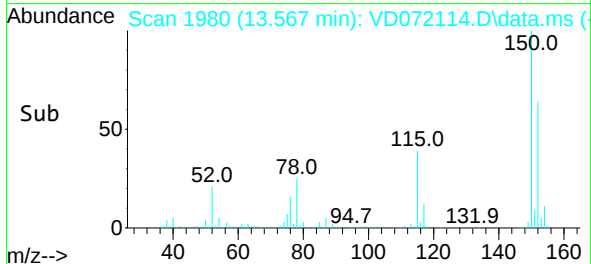
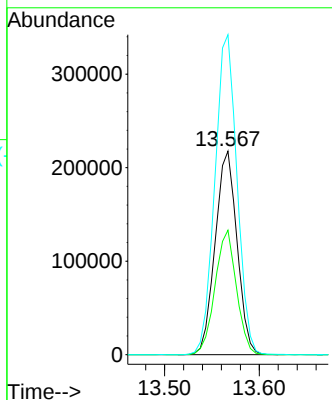
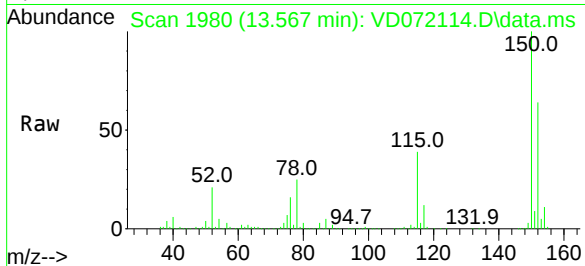




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD072114.D
 Acq: 28 Feb 2022 11:15

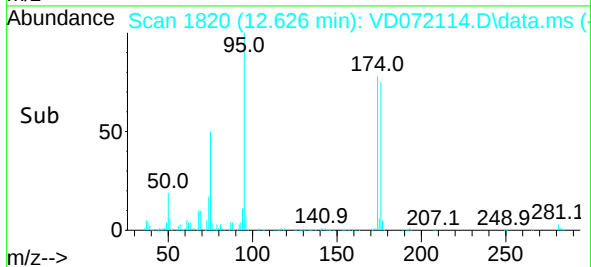
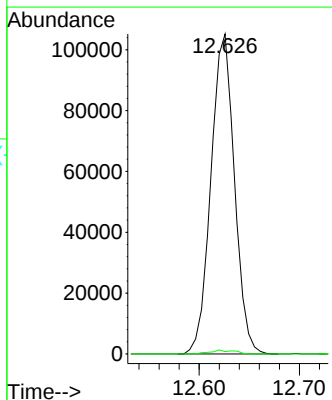
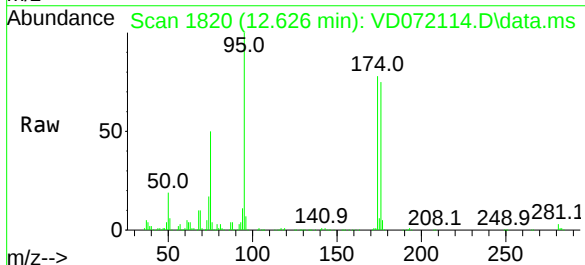
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

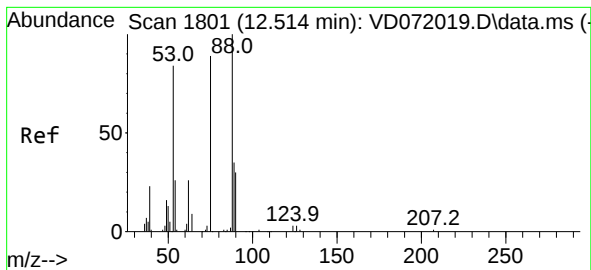
Tgt Ion:152 Resp: 350272
 Ion Ratio Lower Upper
 152 100
 115 59.9 29.9 89.7
 150 159.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.686 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD072114.D
 Acq: 28 Feb 2022 11:15

Tgt Ion: 75 Resp: 171488
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.434 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD072114.D
 Acq: 28 Feb 2022 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

Tgt Ion: 75 Resp: 171488
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.4#
 89 0.1 36.4 54.6#

