

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073363.D
 Acq On : 25 May 2022 16:25
 Operator : VA/SY
 Sample : N3001-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-052322

Quant Time: May 26 02:25:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

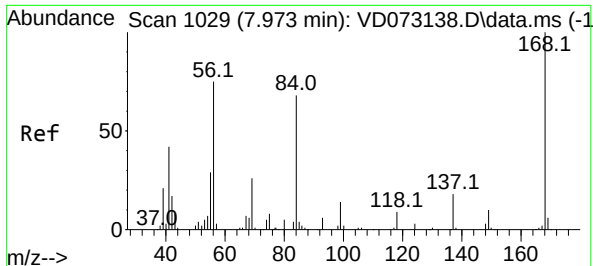
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	1866	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.861	114	2767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	2880	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	418	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	1290	62.555	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.100%	
35) Dibromofluoromethane	7.908	113	1534	84.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 168.040%#	
50) Toluene-d8	10.332	98	3205	47.619	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.240%	
62) 4-Bromofluorobenzene	12.614	95	1096	46.401	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	62	3.325	ug/l #	43
3) Chloromethane	2.209	50	63	2.988	ug/l #	40
7) Trichlorofluoromethane	3.291	101	86	2.523	ug/l #	19
17) Carbon Disulfide	4.409	76	123	1.979	ug/l #	74
18) Methyl Acetate	4.844	43	79	7.954	ug/l #	55
20) Methylene Chloride	4.956	84	54	Below Cal	#	2
21) trans-1,2-Dichloroethene	5.426	96	54	2.382	ug/l #	1
23) Vinyl Acetate	6.332	43	65	1.920	ug/l #	75
27) cis-1,2-Dichloroethene	7.132	96	55	2.192	ug/l #	1
38) Carbon Tetrachloride	7.961	117	55	1.976	ug/l #	13
67) Ethyl Benzene	11.738	91	145	1.398	ug/l #	44
73) Isopropylbenzene	12.467	105	56	1.879	ug/l #	49
76) 1,2,3-Trichloropropane	12.614	75	280	68.271	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	280	163.898	ug/l #	7
82) 4-Chlorotoluene	13.208	91	71	3.136	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.255	105	71	2.847	ug/l #	32
85) sec-Butylbenzene	13.385	105	88	2.709	ug/l #	57
86) p-Isopropyltoluene	13.502	119	63	2.379	ug/l #	50

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

Quant Time: May 26 02:25:24 2022
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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

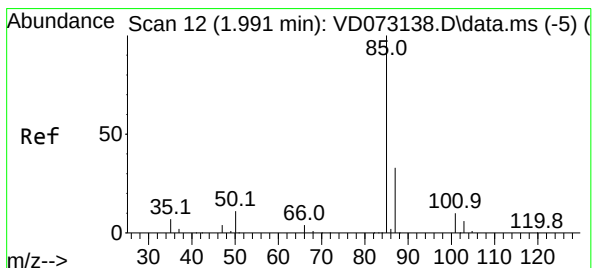
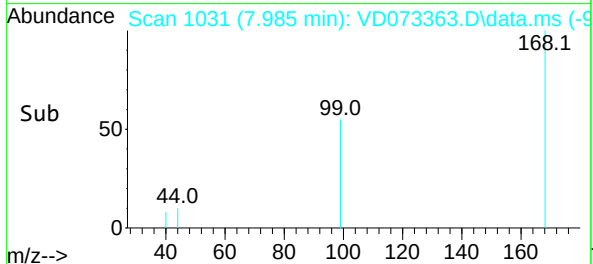
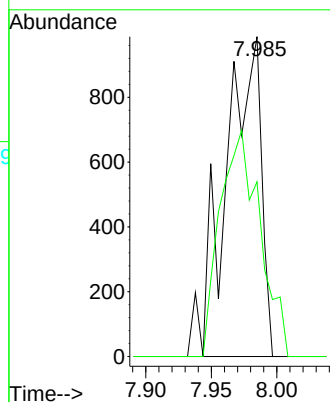
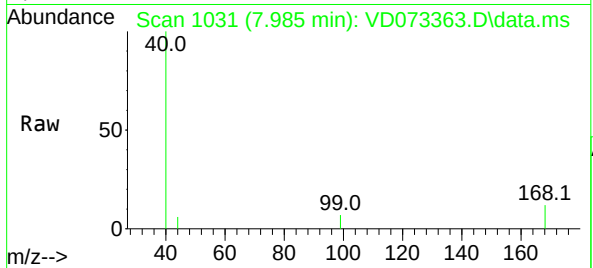




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.012 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

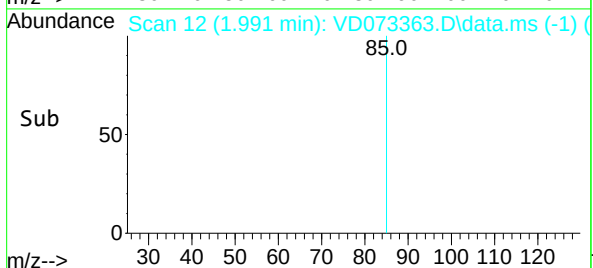
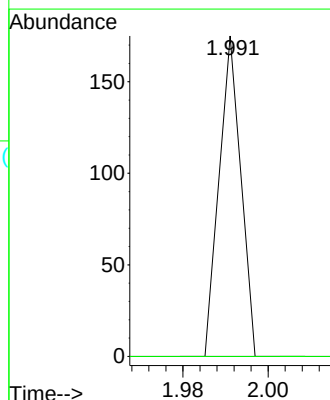
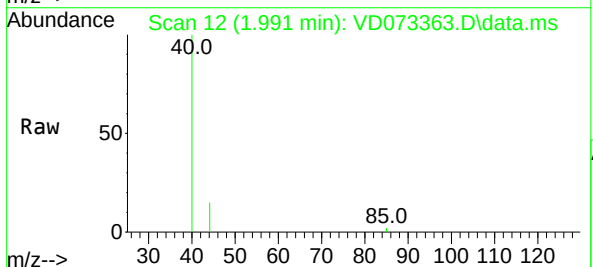
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

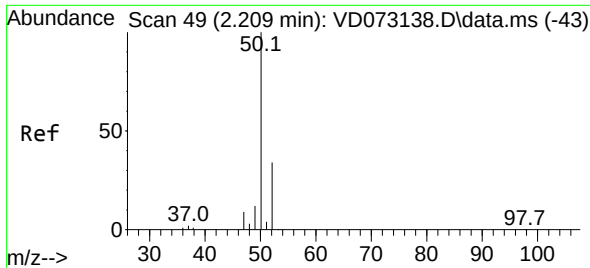
Tgt Ion:168 Resp: 1866
Ion Ratio Lower Upper
168 100
99 54.6 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 3.325 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion: 85 Resp: 62
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0

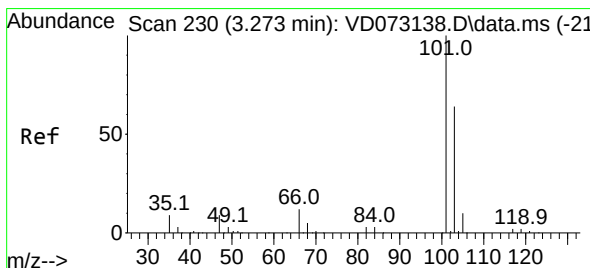
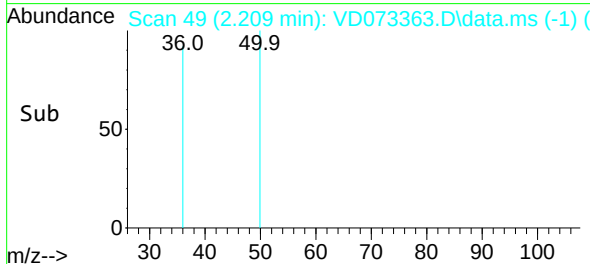
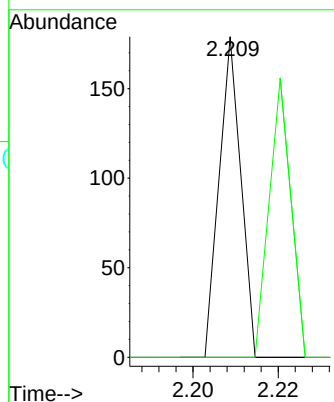
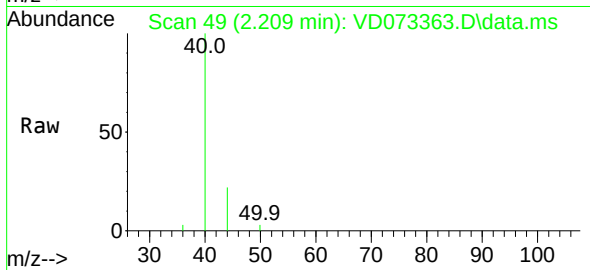




#3
Chloromethane
Concen: 2.988 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

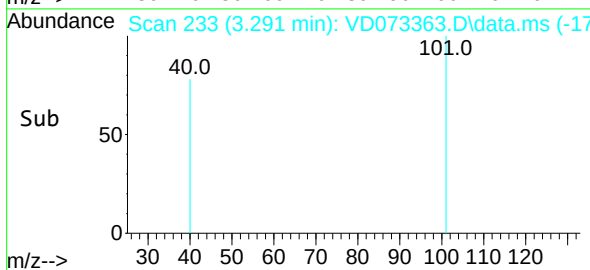
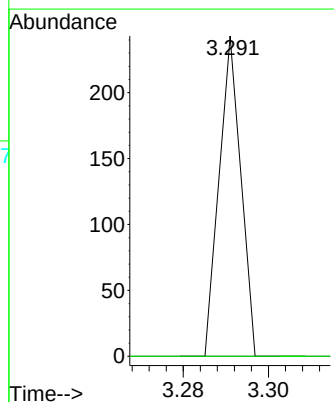
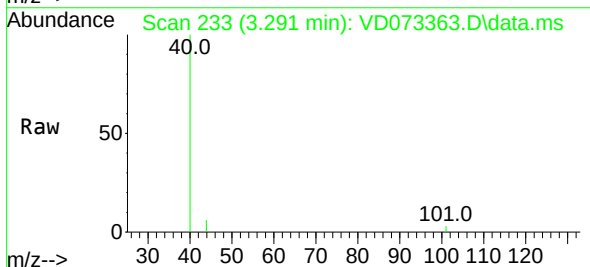
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

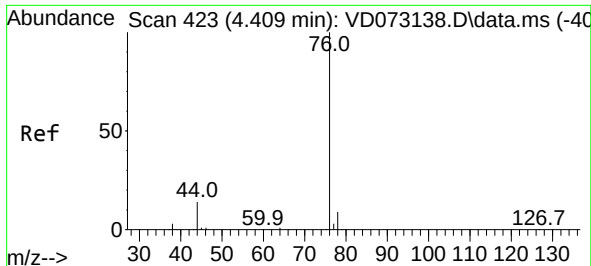
Tgt Ion: 50 Resp: 63
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#



#7
Trichlorofluoromethane
Concen: 2.523 ug/l
RT: 3.291 min Scan# 233
Delta R.T. 0.018 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion: 101 Resp: 86
Ion Ratio Lower Upper
101 100
103 0.0 50.1 75.1#

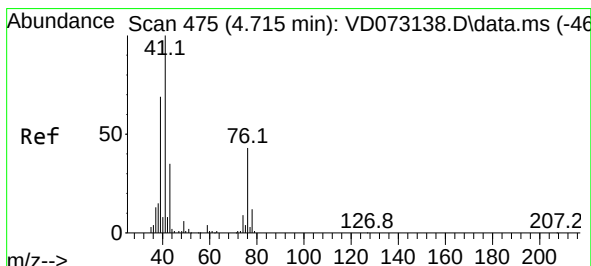
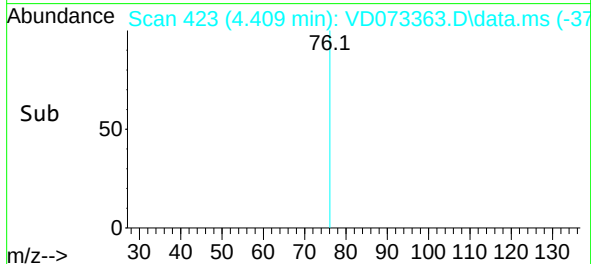
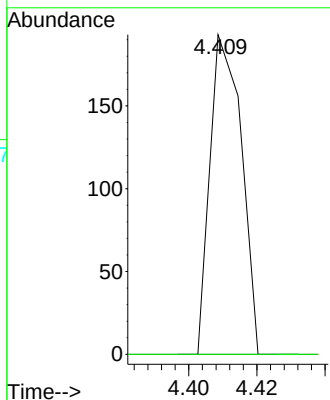
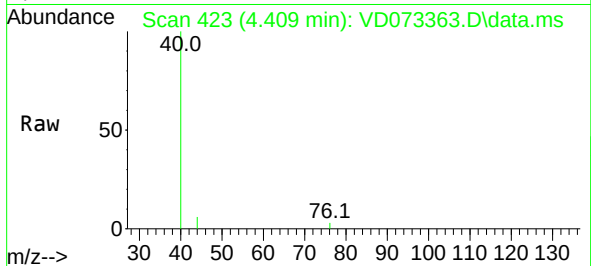




#17
Carbon Disulfide
Concen: 1.979 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

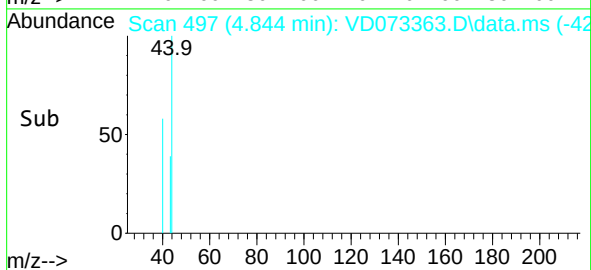
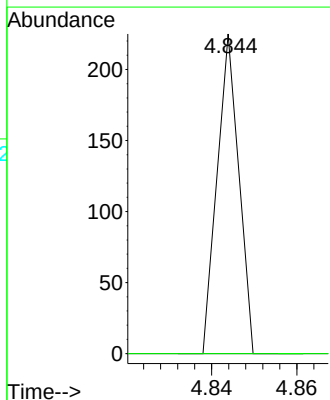
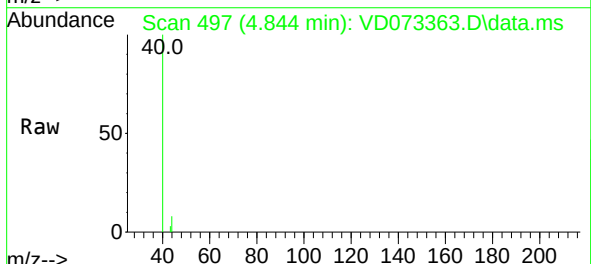
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

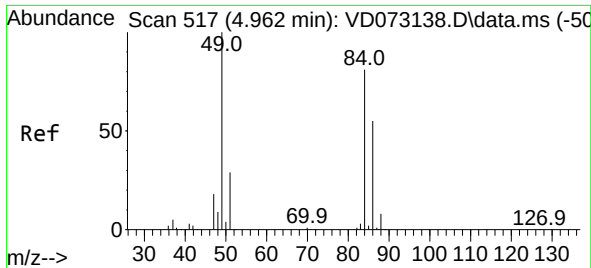
Tgt Ion: 76 Resp: 123
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 7.954 ug/l
RT: 4.844 min Scan# 497
Delta R.T. 0.129 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

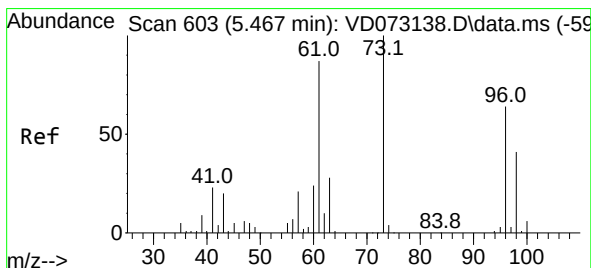
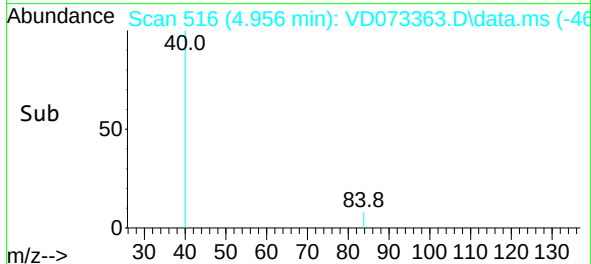
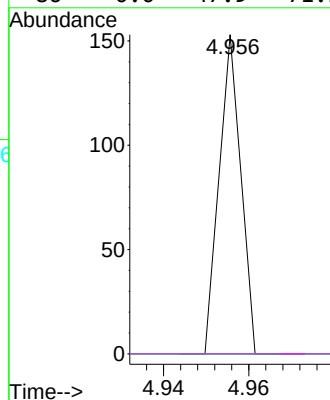
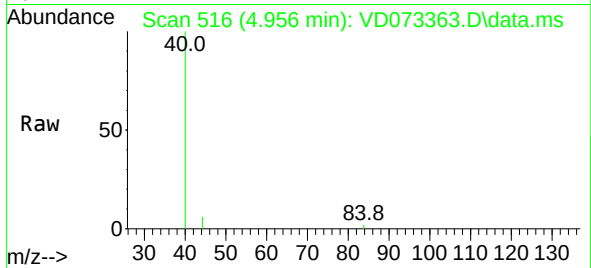




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

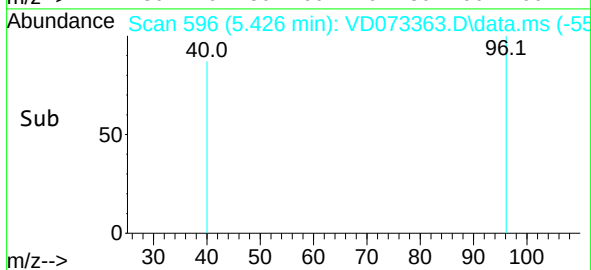
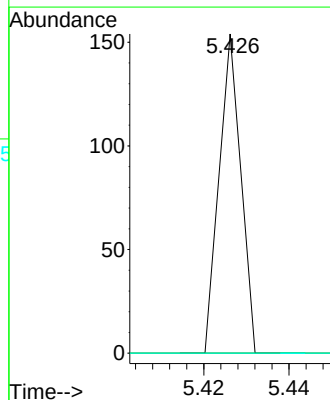
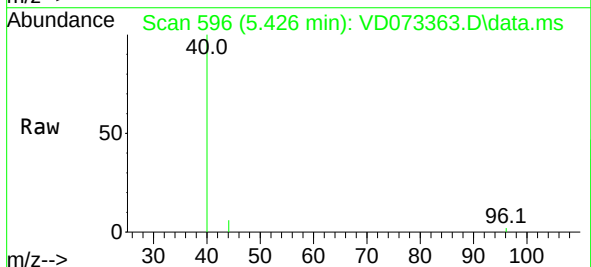
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

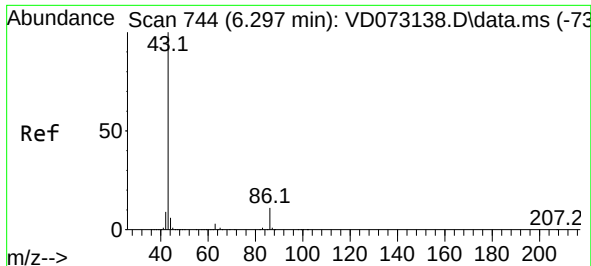
Tgt Ion:	84	Resp:	54
Ion	Ratio	Lower	Upper
84	100		
49	0.0	112.8	169.2#
51	0.0	32.6	48.8#
86	0.0	47.9	71.9#



#21
trans-1,2-Dichloroethene
Concen: 2.382 ug/l
RT: 5.426 min Scan# 596
Delta R.T. -0.041 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion:	96	Resp:	54
Ion	Ratio	Lower	Upper
96	100		
61	0.0	117.9	176.9#
98	0.0	49.4	74.2#

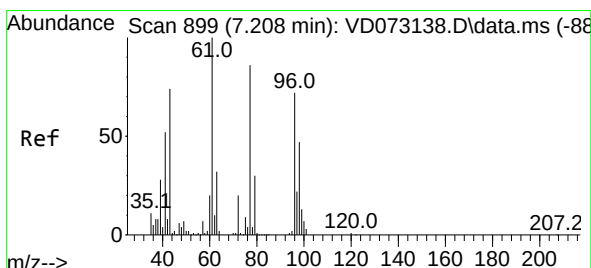
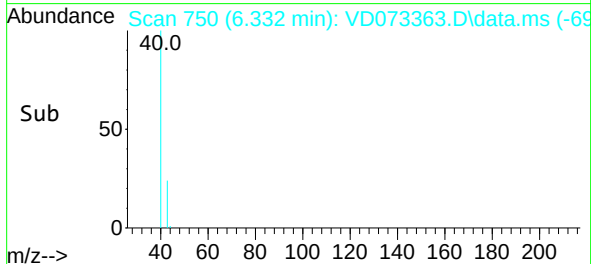
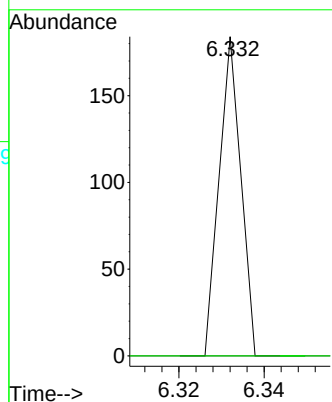
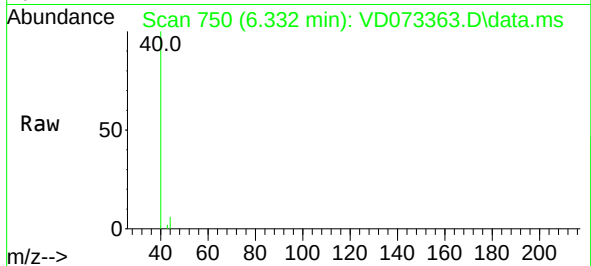




#23
 Vinyl Acetate
 Concen: 1.920 ug/l
 RT: 6.332 min Scan# 71
 Delta R.T. 0.035 min
 Lab File: VD073363.D
 Acq: 25 May 2022 16:25

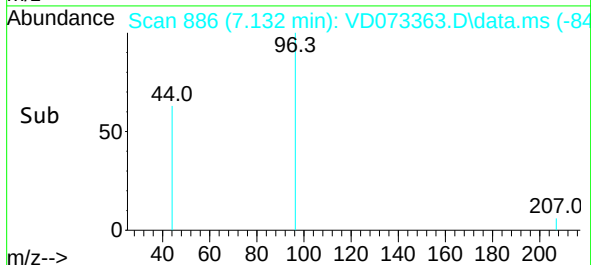
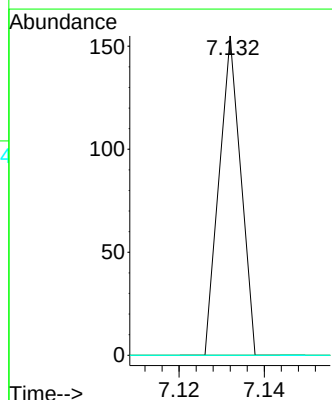
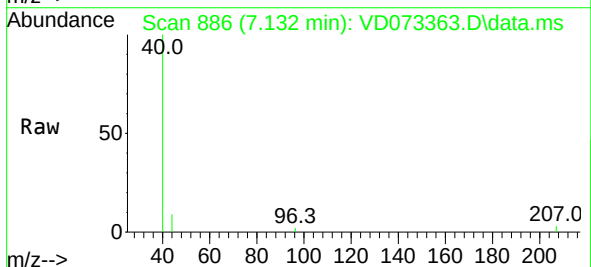
Instrument :
 MSVOA_D
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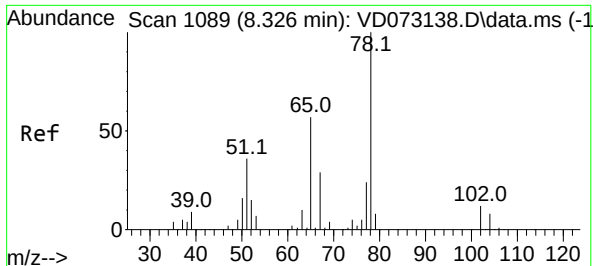
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#27
 cis-1,2-Dichloroethene
 Concen: 2.192 ug/l
 RT: 7.132 min Scan# 886
 Delta R.T. -0.076 min
 Lab File: VD073363.D
 Acq: 25 May 2022 16:25

Tgt Ion: 96 Resp: 55
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 313.8
 98 0.0 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 62.555 ug/l

RT: 8.314 min Scan# 1180

Delta R.T. -0.012 min

Lab File: VD073363.D

Acq: 25 May 2022 16:25

Instrument :

MSVOA_D

ClientSampleId :

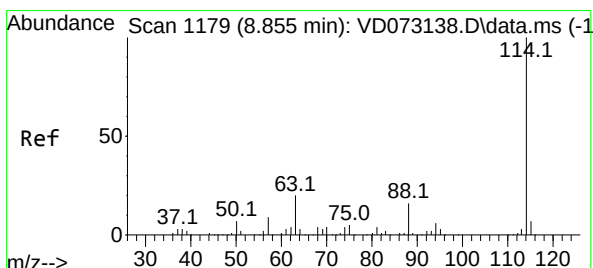
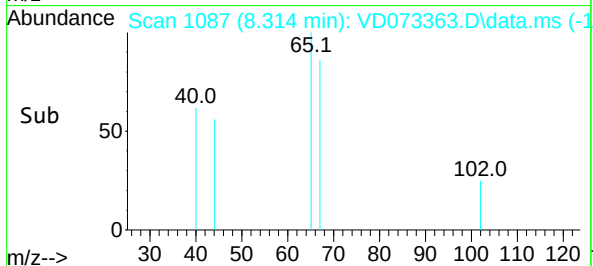
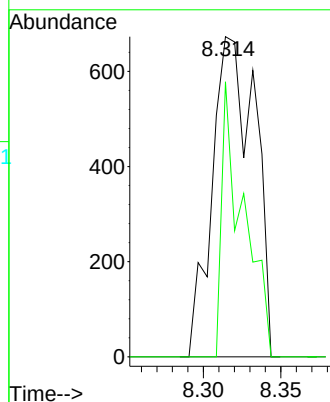
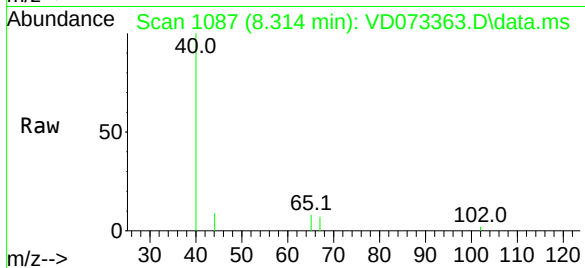
BU-03-052322

Tgt Ion: 65 Resp: 1290

Ion Ratio Lower Upper

65 100

67 43.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073363.D

Acq: 25 May 2022 16:25

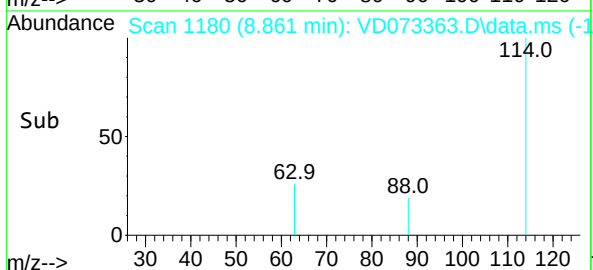
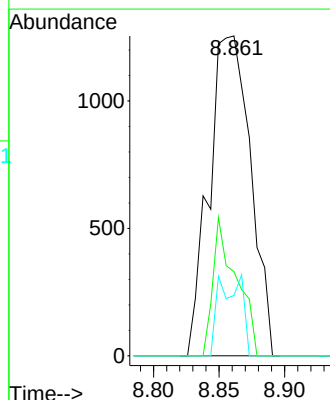
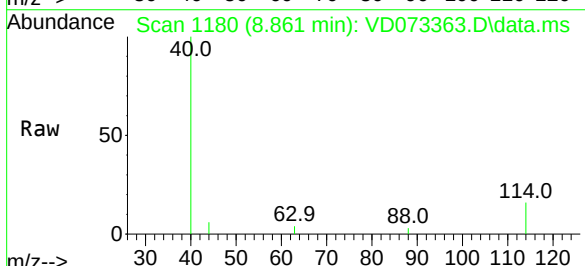
Tgt Ion: 114 Resp: 2767

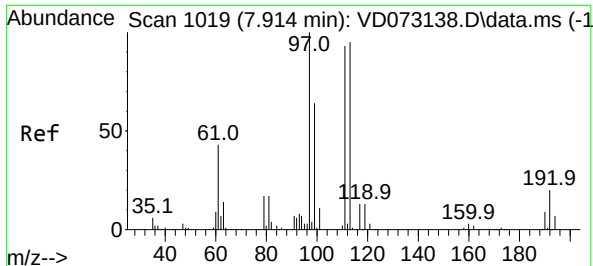
Ion Ratio Lower Upper

114 100

63 26.3 0.0 46.6

88 18.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 84.016 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073363.D

Acq: 25 May 2022 16:25

Instrument :

MSVOA_D

ClientSampleId :

BU-03-052322

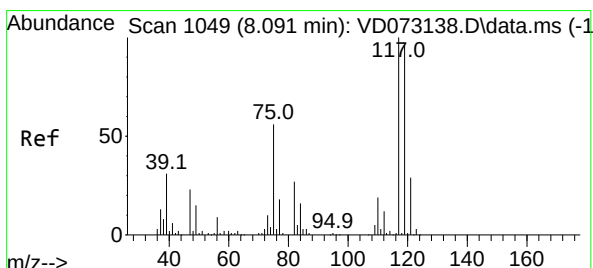
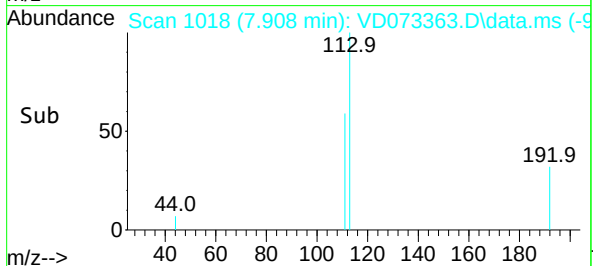
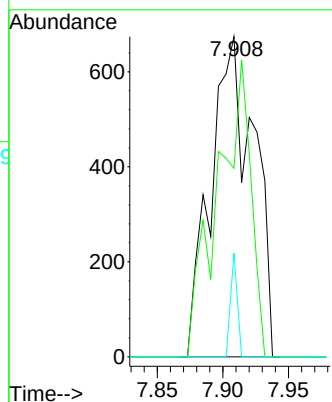
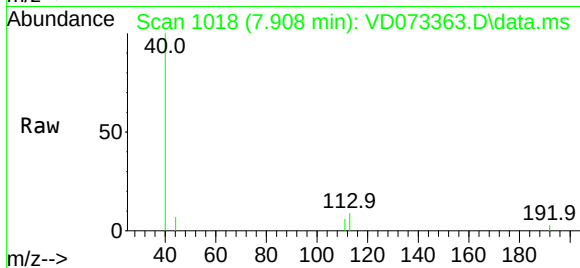
Tgt Ion:113 Resp: 1534

Ion Ratio Lower Upper

113 100

111 71.7 83.8 125.6#

192 5.0 14.6 21.8#



#38

Carbon Tetrachloride

Concen: 1.976 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.130 min

Lab File: VD073363.D

Acq: 25 May 2022 16:25

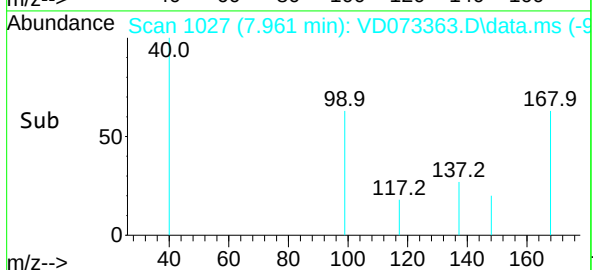
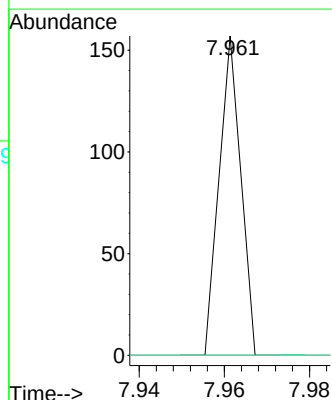
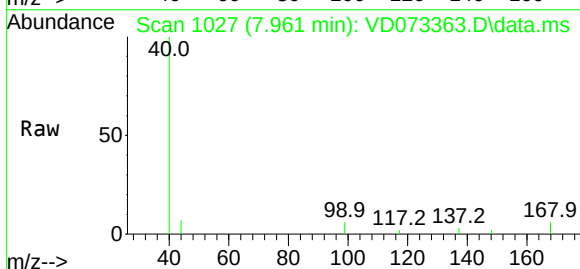
Tgt Ion:117 Resp: 55

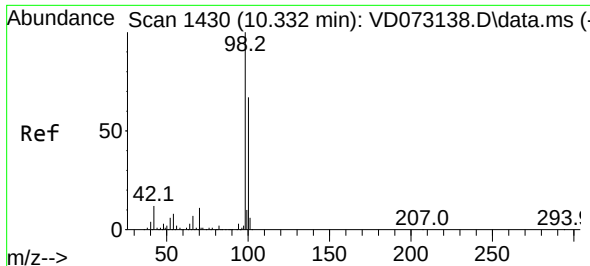
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

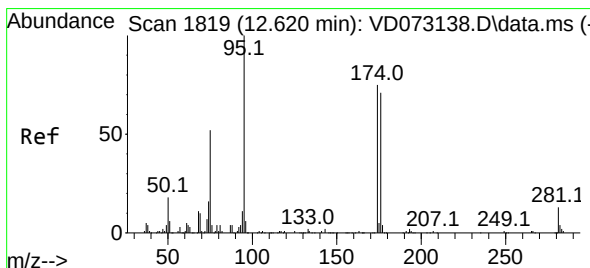
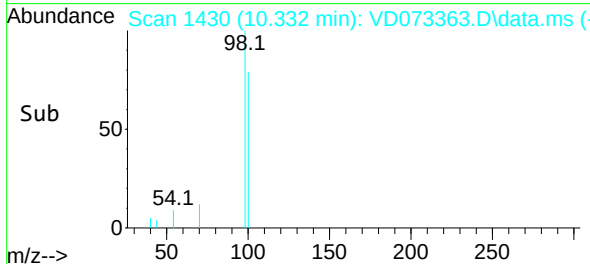
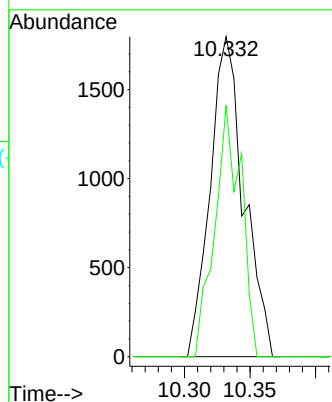
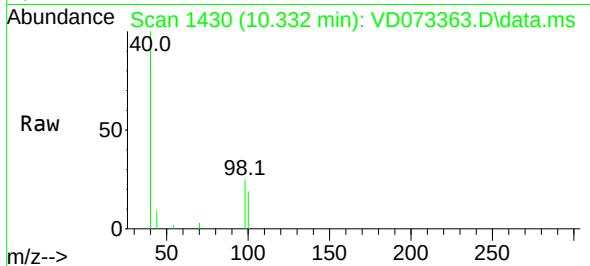




#50
Toluene-d8
Concen: 47.619 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

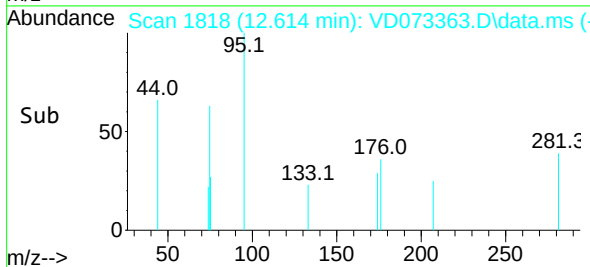
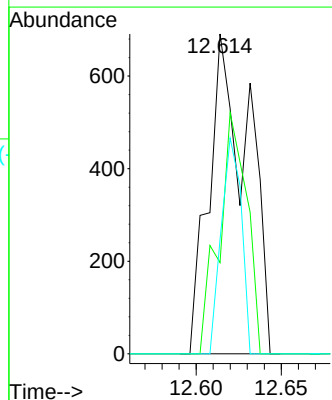
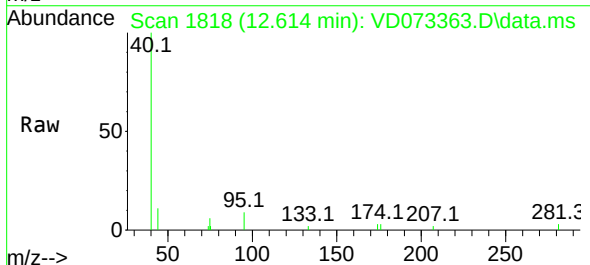
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

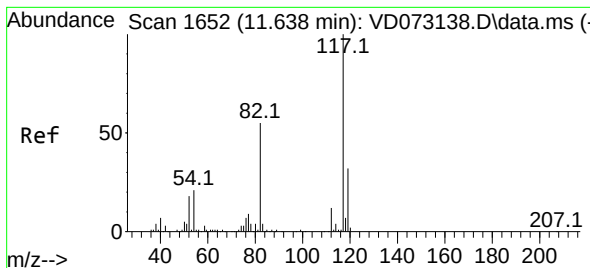
Tgt Ion: 98 Resp: 3205
Ion Ratio Lower Upper
98 100
100 61.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.401 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion: 95 Resp: 1096
Ion Ratio Lower Upper
95 100
174 53.8 0.0 152.8
176 34.7 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073363.D

Acq: 25 May 2022 16:25

Instrument :

MSVOA_D

ClientSampleId :

BU-03-052322

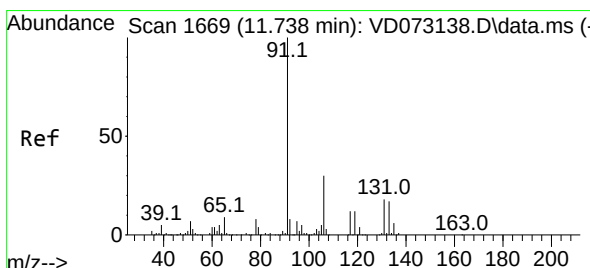
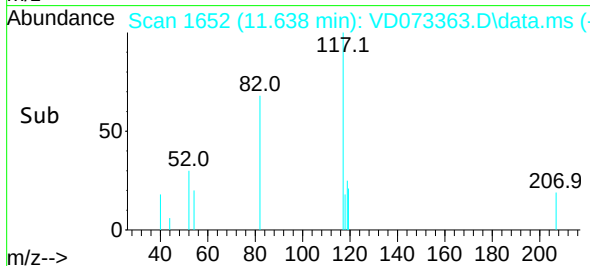
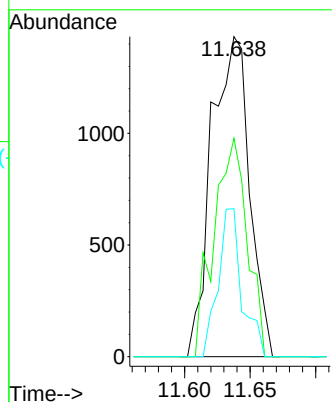
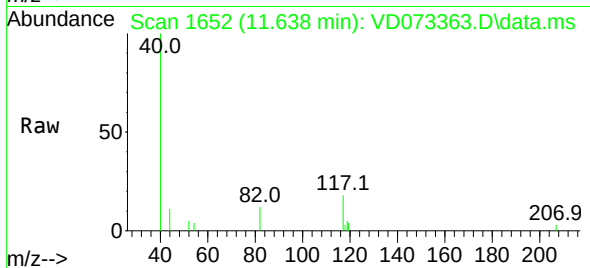
Tgt Ion:117 Resp: 2880

Ion Ratio Lower Upper

117 100

82 68.2 45.3 67.9#

119 46.3 26.6 40.0#



#67

Ethyl Benzene

Concen: 1.398 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. -0.000 min

Lab File: VD073363.D

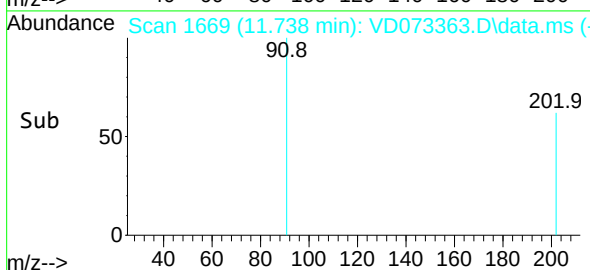
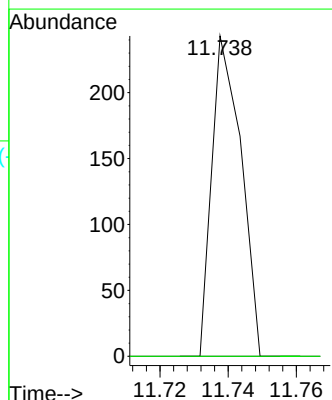
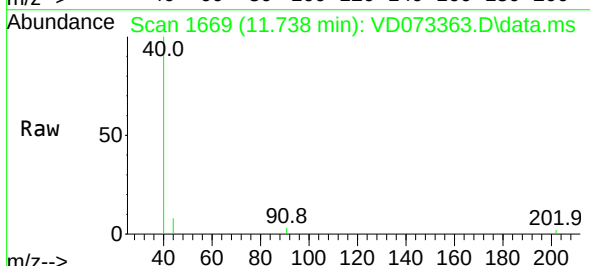
Acq: 25 May 2022 16:25

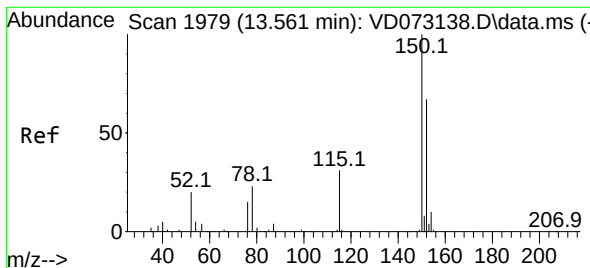
Tgt Ion: 91 Resp: 145

Ion Ratio Lower Upper

91 100

106 0.0 24.2 36.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.006 min

Lab File: VD073363.D

Acq: 25 May 2022 16:25

Instrument :

MSVOA_D

ClientSampleId :

BU-03-052322

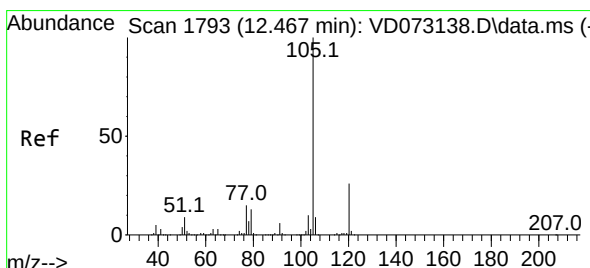
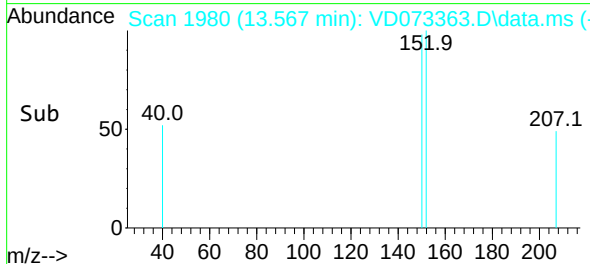
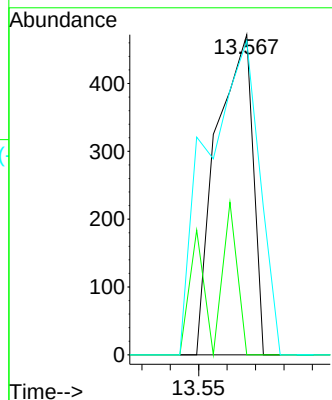
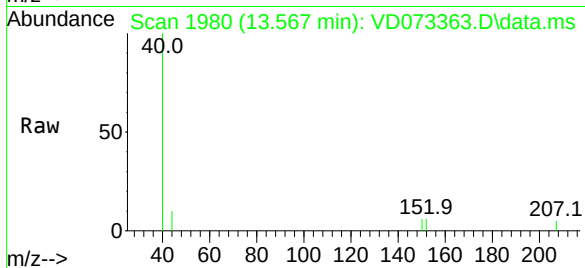
Tgt Ion:152 Resp: 418

Ion Ratio Lower Upper

152 100

115 15.6 31.3 93.8#

150 141.9 0.0 348.6



#73

Isopropylbenzene

Concen: 1.879 ug/l

RT: 12.467 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD073363.D

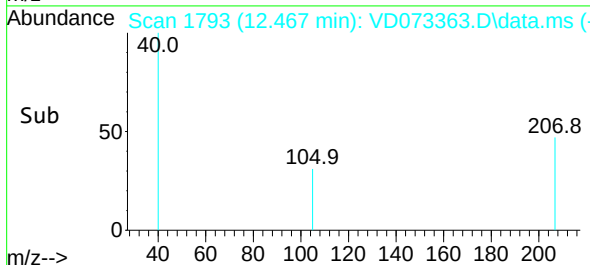
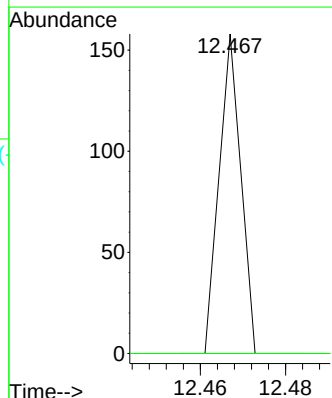
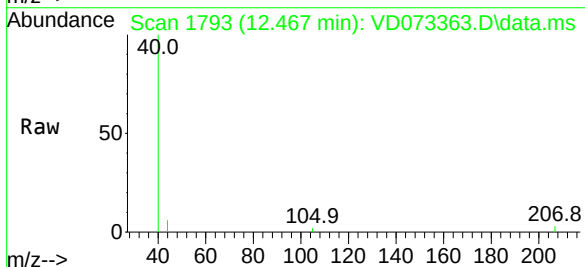
Acq: 25 May 2022 16:25

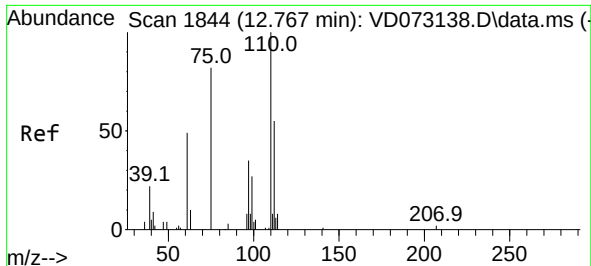
Tgt Ion:105 Resp: 56

Ion Ratio Lower Upper

105 100

120 0.0 13.0 38.9#

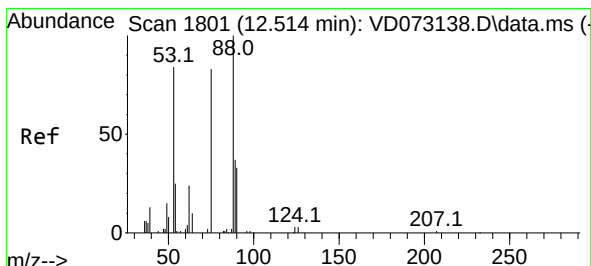
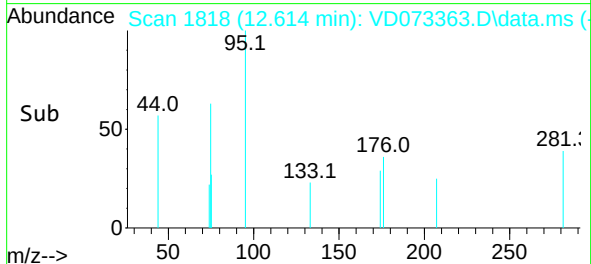
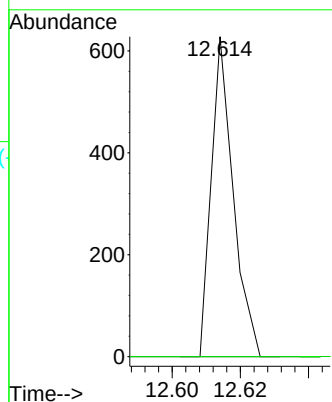
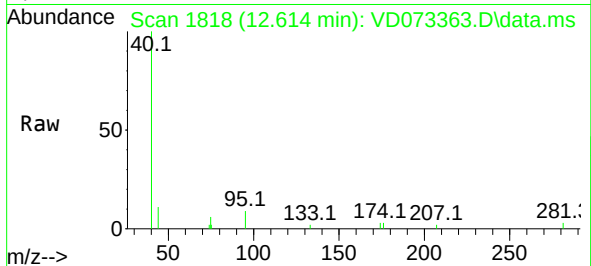




#76
1,2,3-Trichloropropane
Concen: 68.271 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

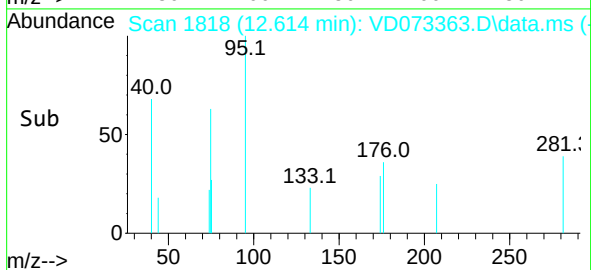
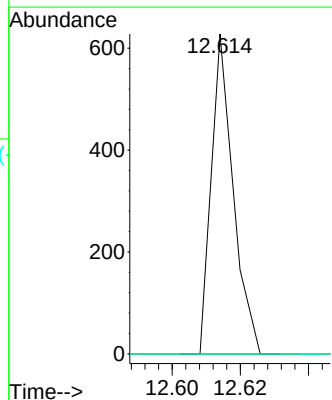
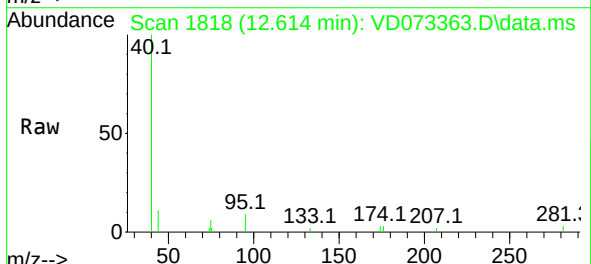
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

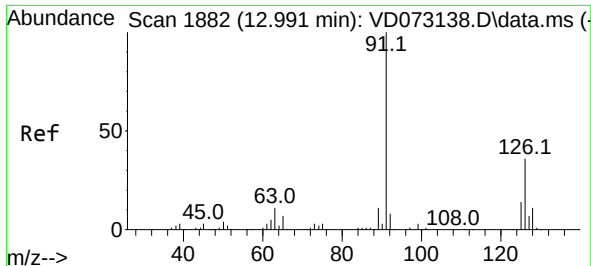
Tgt Ion: 75 Resp: 280
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 163.898 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion: 75 Resp: 280
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

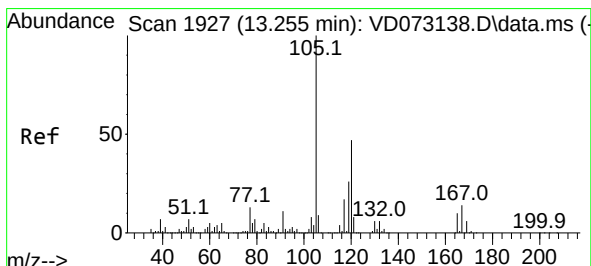
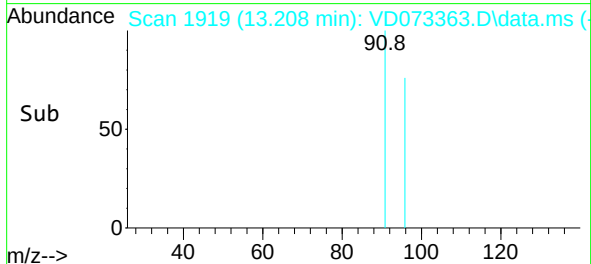
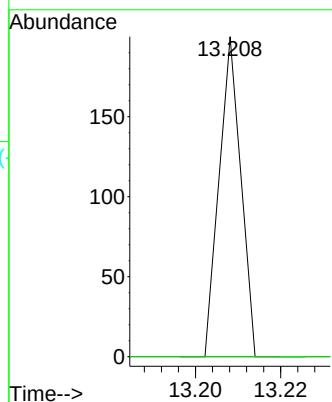
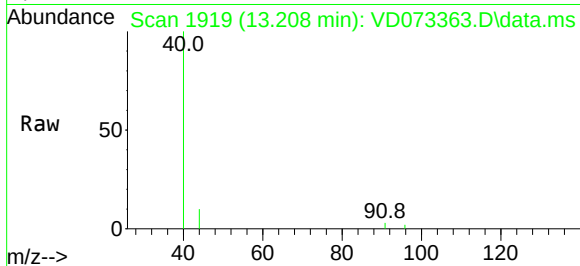




#82
4-Chlorotoluene
Concen: 3.136 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.217 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

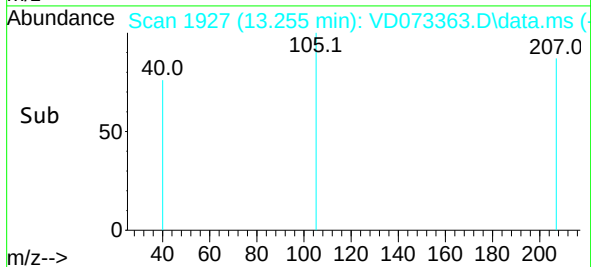
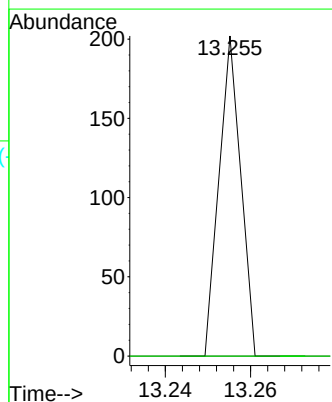
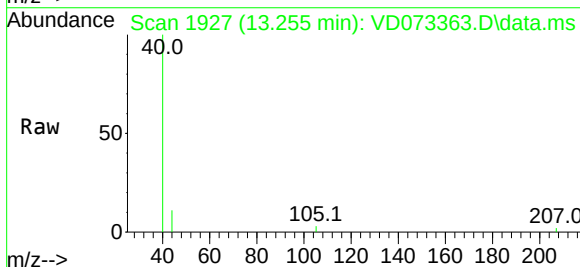
Instrument :
MSVOA_D
ClientSampleId :
BU-03-052322

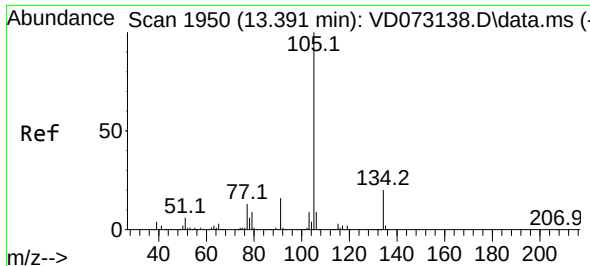
Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#84
1,2,4-Trimethylbenzene
Concen: 2.847 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073363.D
Acq: 25 May 2022 16:25

Tgt Ion: 105 Resp: 71
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#

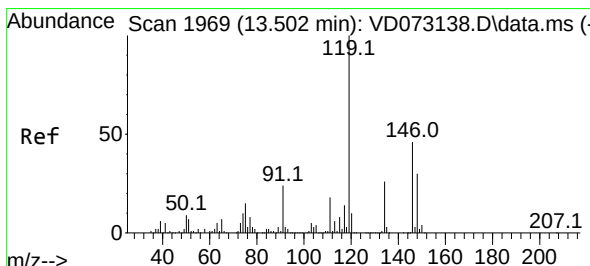
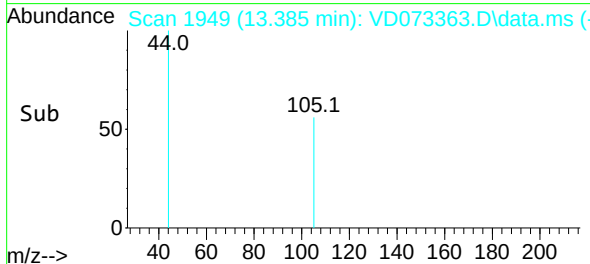
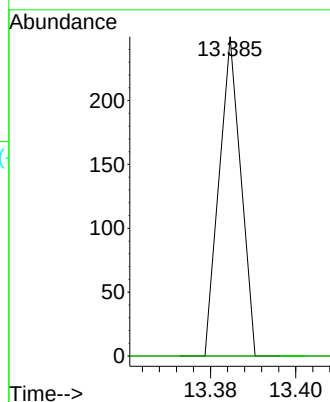
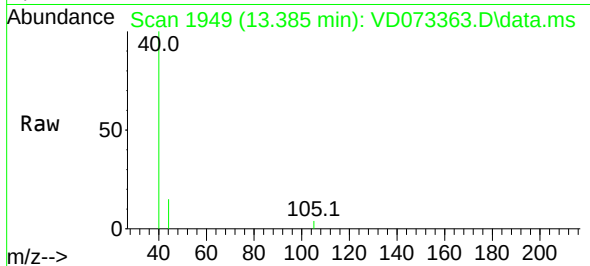




#85
 sec-Butylbenzene
 Concen: 2.709 ug/l
 RT: 13.385 min Scan# 1950
 Delta R.T. -0.006 min
 Lab File: VD073363.D
 Acq: 25 May 2022 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-052322

Tgt Ion:105 Resp: 88
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 2.379 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073363.D
 Acq: 25 May 2022 16:25

Tgt Ion:119 Resp: 63
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.6#
 91 0.0 12.1 36.3#

