

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076402.D
 Acq On : 13 Jun 2023 13:48
 Operator : KP/SY
 Sample : 03138-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Jun 14 05:46:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

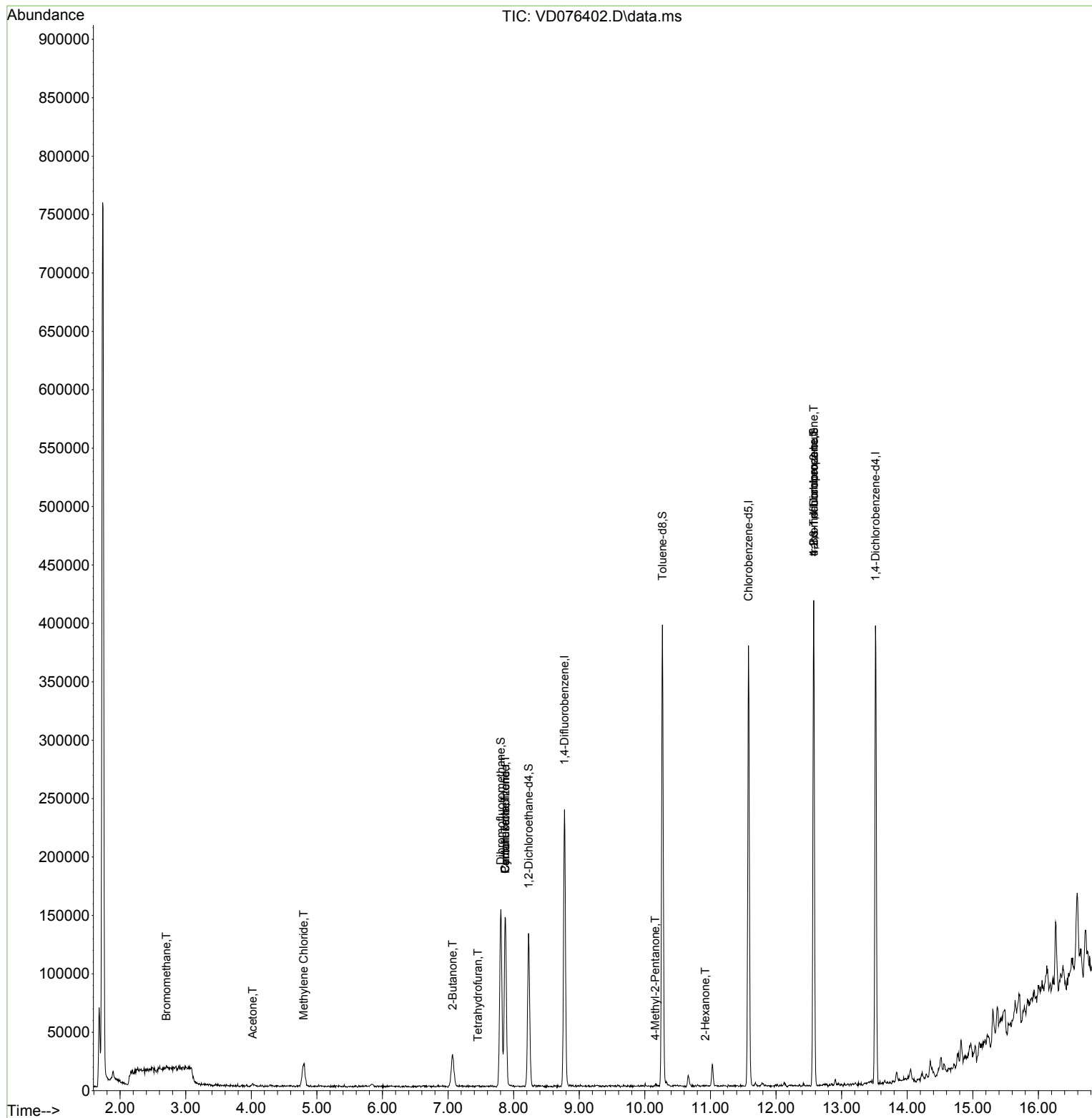
Internal Standards						
1) Pentafluorobenzene	7.875	168	115577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	208903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	209341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	103700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96761	72.483	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.960%	
35) Dibromofluoromethane	7.804	113	107802	79.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 159.680%#	
50) Toluene-d8	10.269	98	266205	52.028	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.060%	
62) 4-Bromofluorobenzene	12.575	95	126008	71.788	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 143.580%#	
Target Compounds						
					Qvalue	
5) Bromomethane	2.705	94	1695	1.729	ug/l #	2
16) Acetone	4.022	43	4630	15.777	ug/l	87
20) Methylene Chloride	4.799	84	14495	3.917	ug/l #	90
25) 2-Butanone	7.069	43	1950	4.248	ug/l #	37
28) Bromochloromethane	7.422	49	495	Below Cal	#	31
29) Tetrahydrofuran	7.457	42	468	1.598	ug/l #	33
31) Cyclohexane	7.869	56	3061	1.433	ug/l #	56
38) Carbon Tetrachloride	7.875	117	11494	6.282	ug/l #	14
51) 4-Methyl-2-Pentanone	10.157	43	1211	1.122	ug/l #	63
59) 2-Hexanone	10.922	43	762	1.007	ug/l #	36
76) 1,2,3-Trichloropropane	12.575	75	66609	68.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66609	123.015	ug/l #	17

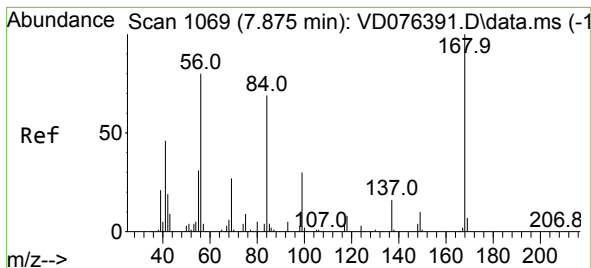
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076402.D

Acq: 13 Jun 2023 13:48

Instrument :

MSVOA_D

ClientSampleId :

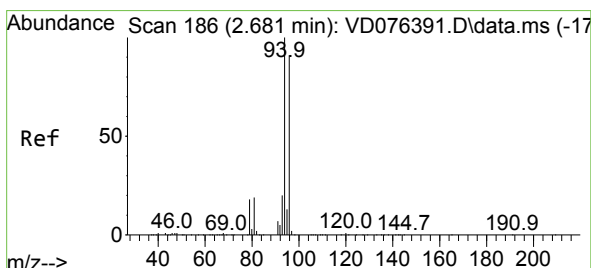
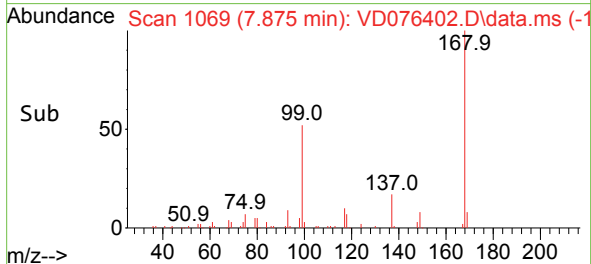
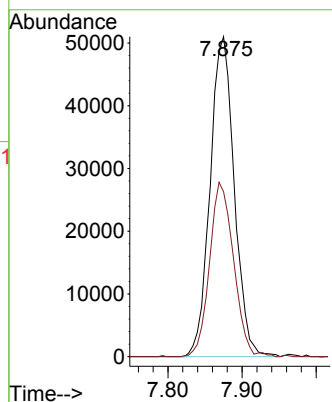
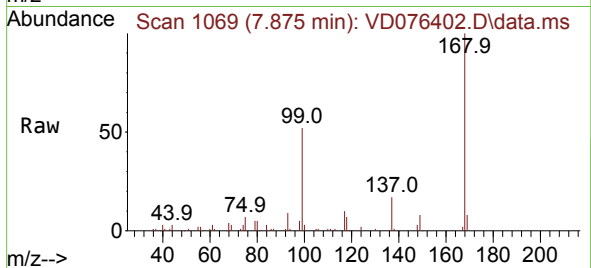
WC-1

Tgt Ion:168 Resp: 115577

Ion Ratio Lower Upper

168 100

99 51.6 36.7 55.1



#5

Bromomethane

Concen: 1.729 ug/l

RT: 2.705 min Scan# 190

Delta R.T. 0.023 min

Lab File: VD076402.D

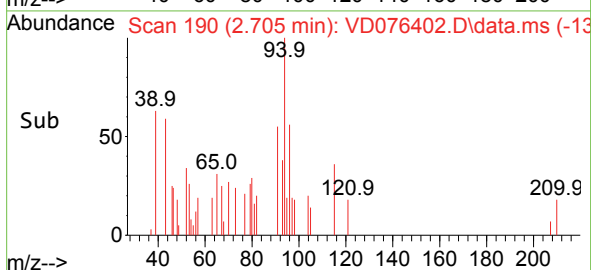
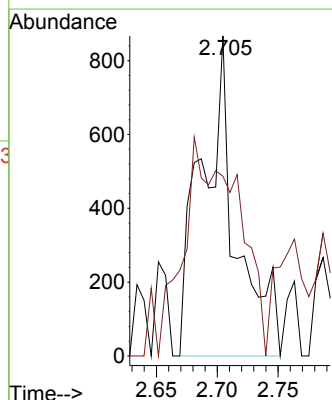
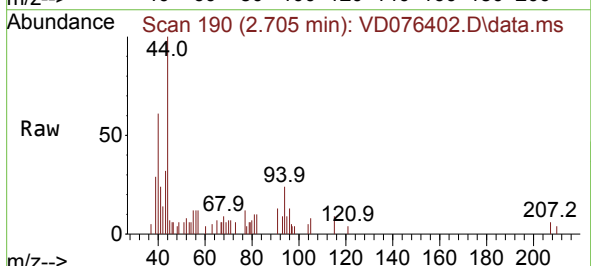
Acq: 13 Jun 2023 13:48

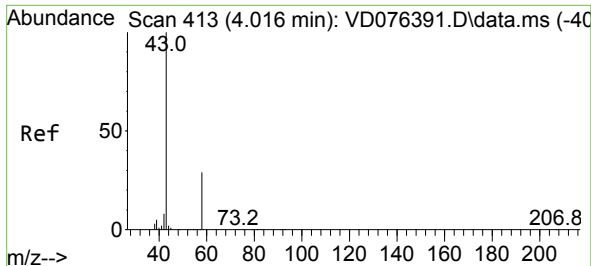
Tgt Ion: 94 Resp: 1695

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

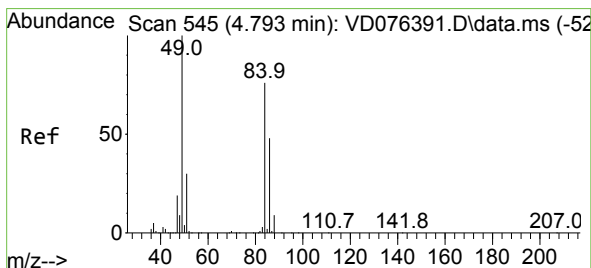
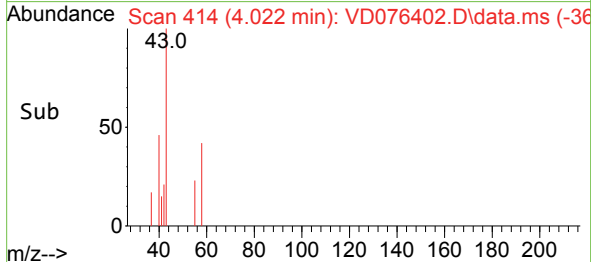
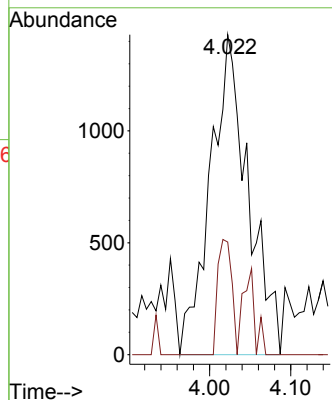
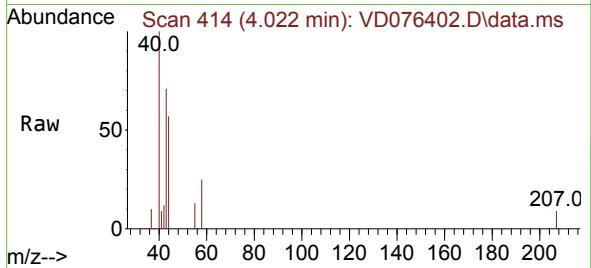




#16
Acetone
Concen: 15.777 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

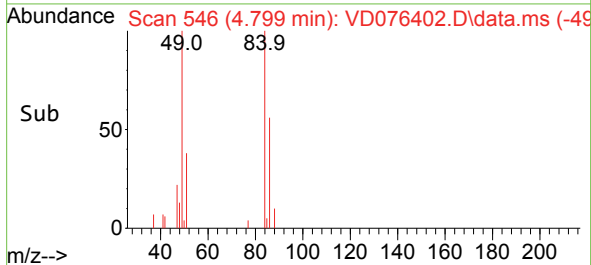
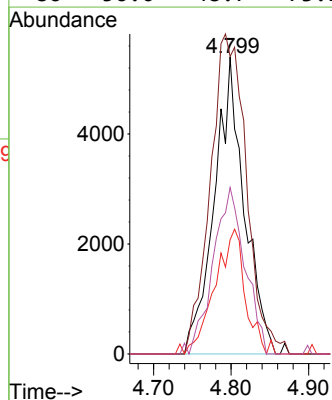
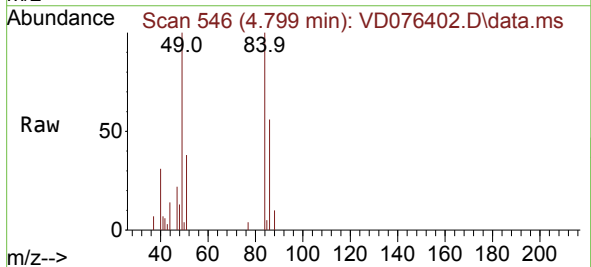
Instrument :
MSVOA_D
ClientSampleId :
WC-1

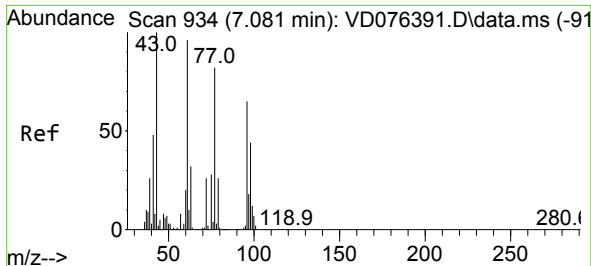
Tgt Ion: 43 Resp: 4630
Ion Ratio Lower Upper
43 100
58 35.2 34.7 52.1



#20
Methylene Chloride
Concen: 3.917 ug/l
RT: 4.799 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion: 84 Resp: 14495
Ion Ratio Lower Upper
84 100
49 100.1 71.4 107.2
51 38.5 24.5 36.7#
86 56.0 48.7 73.1

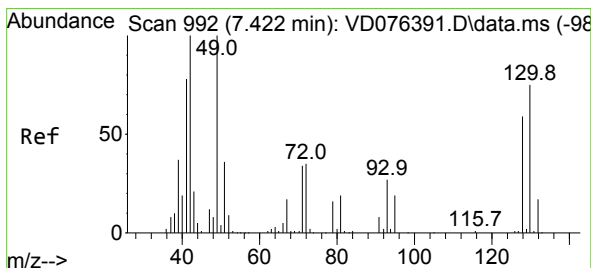
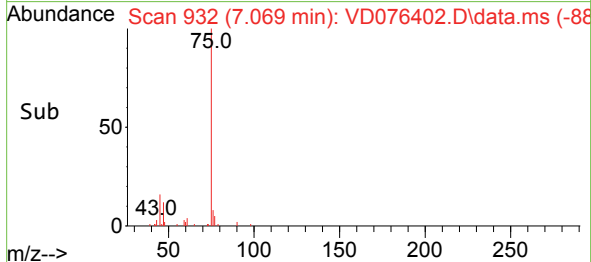
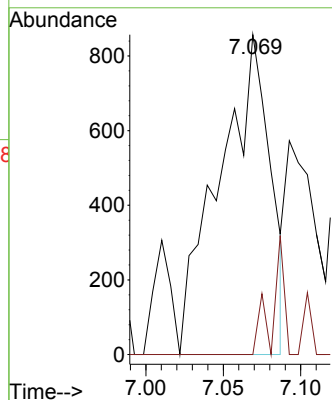
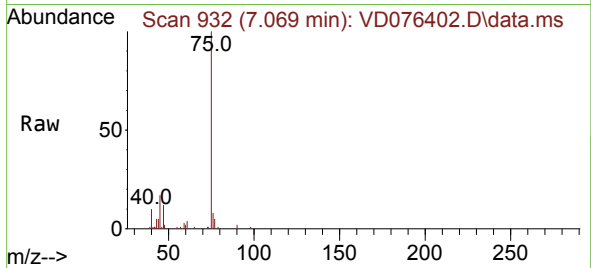




#25
2-Butanone
Concen: 4.248 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

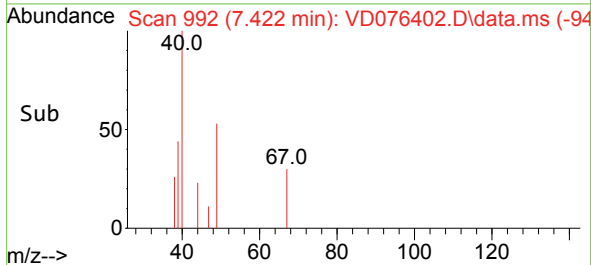
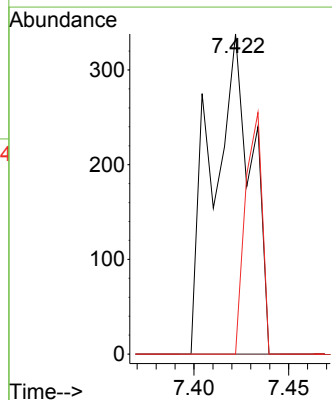
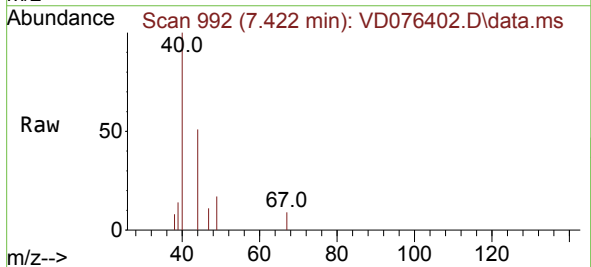
Instrument :
MSVOA_D
ClientSampleId :
WC-1

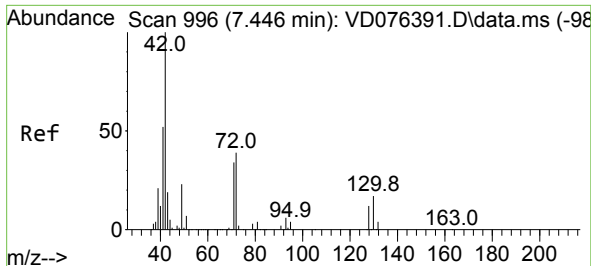
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion: 49 Resp: 495
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 31.7 83.2 124.8#





#29

Tetrahydrofuran

Concen: 1.598 ug/l

RT: 7.457 min Scan# 996

Delta R.T. 0.012 min

Lab File: VD076402.D

Acq: 13 Jun 2023 13:48

Instrument :

MSVOA_D

ClientSampleId :

WC-1

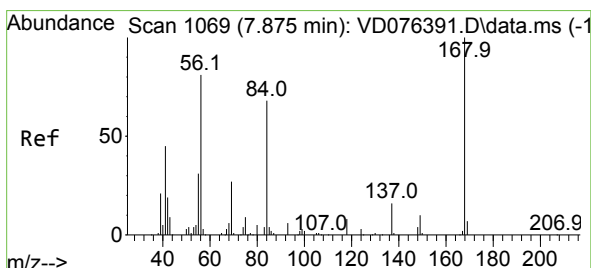
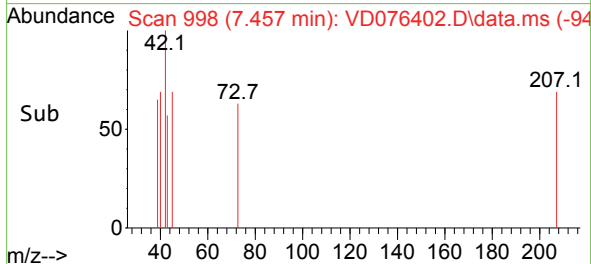
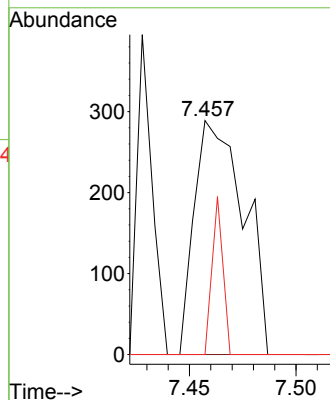
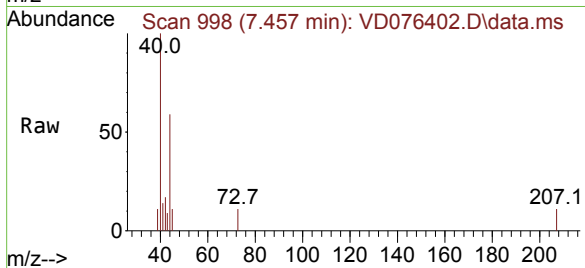
Tgt Ion: 42 Resp: 468

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 14.7 44.5 66.7#



#31

Cyclohexane

Concen: 1.433 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076402.D

Acq: 13 Jun 2023 13:48

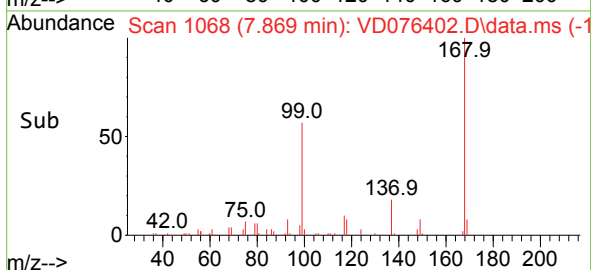
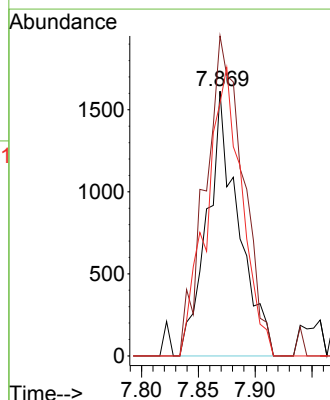
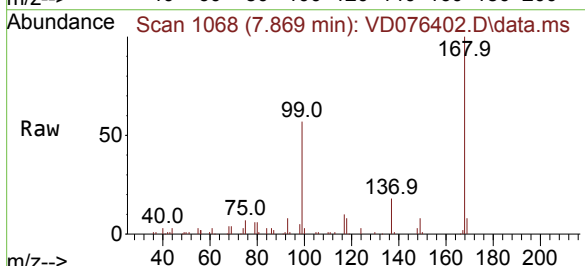
Tgt Ion: 56 Resp: 3061

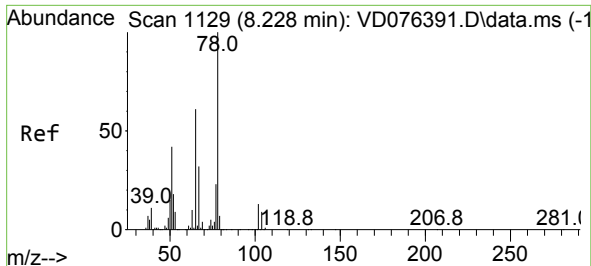
Ion Ratio Lower Upper

56 100

69 120.8 28.6 43.0#

84 95.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 72.483 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076402.D

Acq: 13 Jun 2023 13:48

Instrument :

MSVOA_D

ClientSampleId :

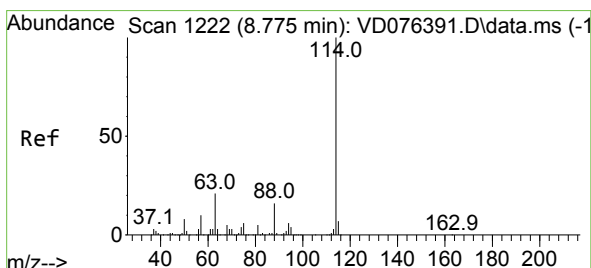
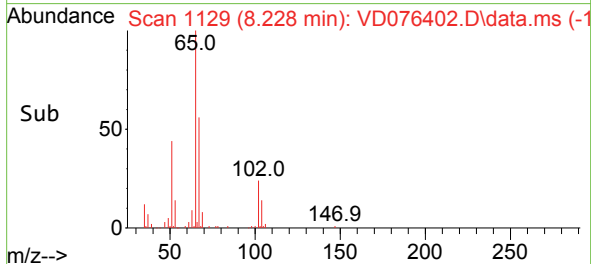
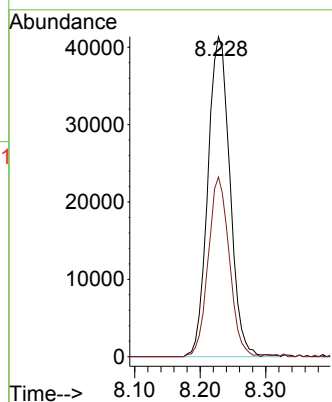
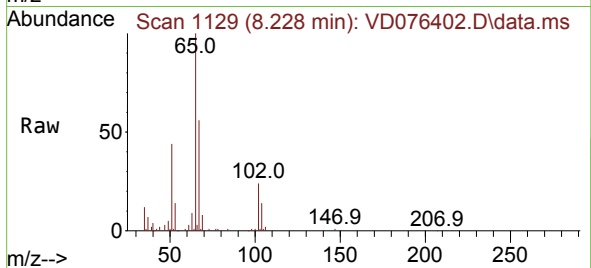
WC-1

Tgt Ion: 65 Resp: 96761

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076402.D

Acq: 13 Jun 2023 13:48

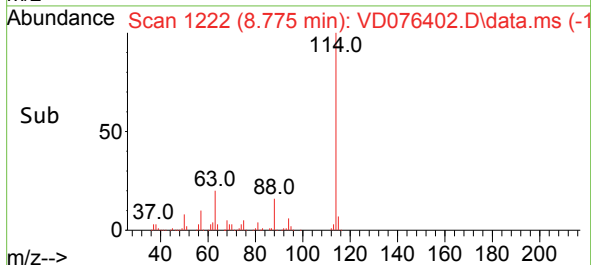
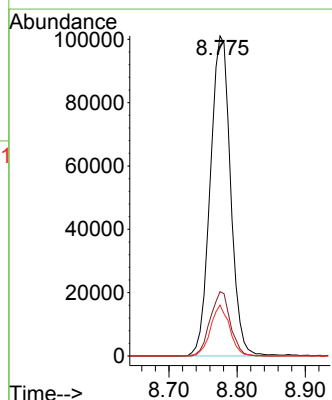
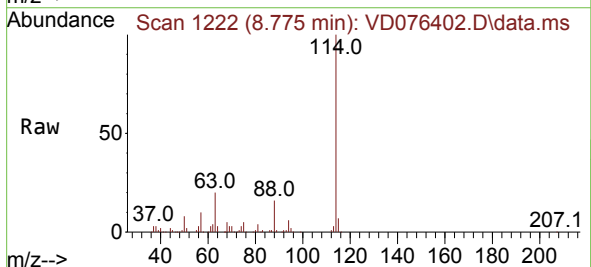
Tgt Ion:114 Resp: 208903

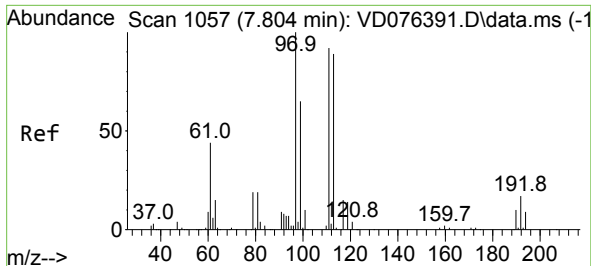
Ion Ratio Lower Upper

114 100

63 20.1 0.0 33.4

88 15.9 0.0 26.2

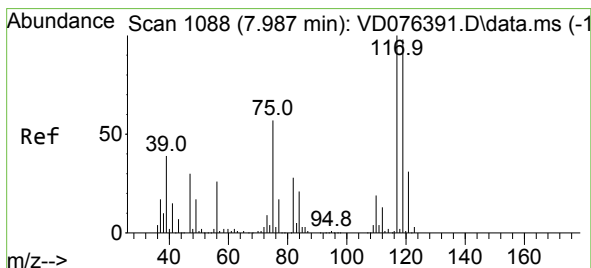
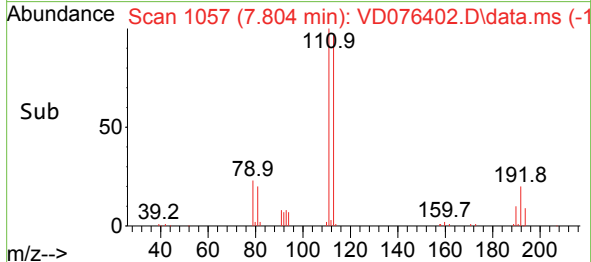
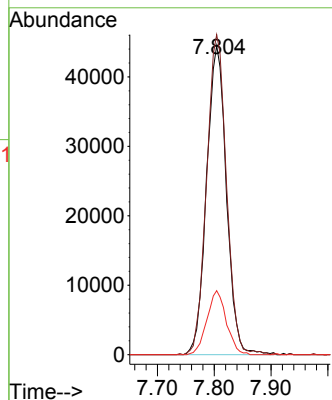
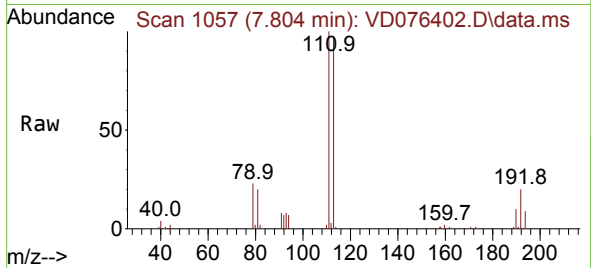




#35
Dibromofluoromethane
Concen: 79.844 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

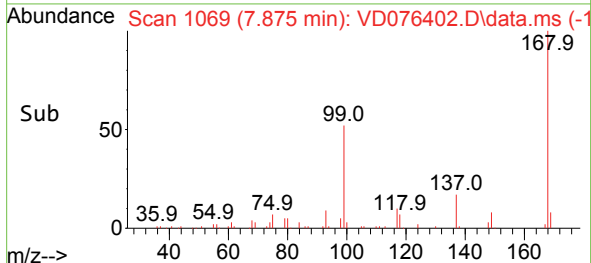
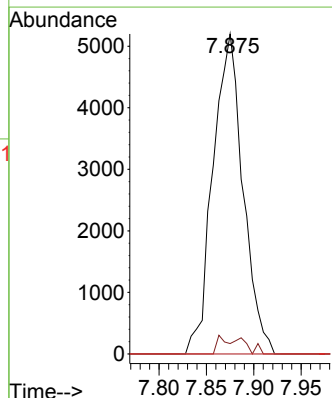
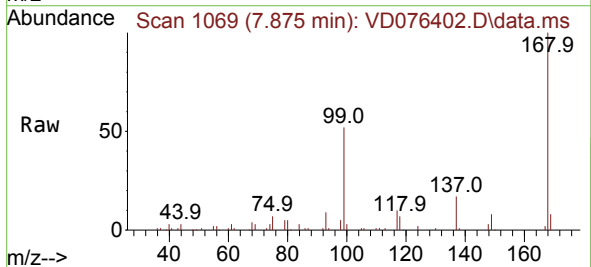
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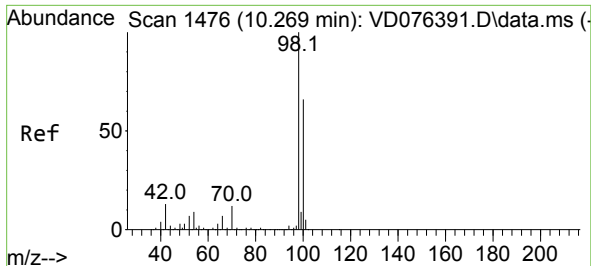
Tgt Ion:113 Resp: 107802
Ion Ratio Lower Upper
113 100
111 103.6 84.7 127.1
192 20.3 16.8 25.2



#38
Carbon Tetrachloride
Concen: 6.282 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion:117 Resp: 11494
Ion Ratio Lower Upper
117 100
119 3.3 78.0 117.0#
121 0.0 24.2 36.2#

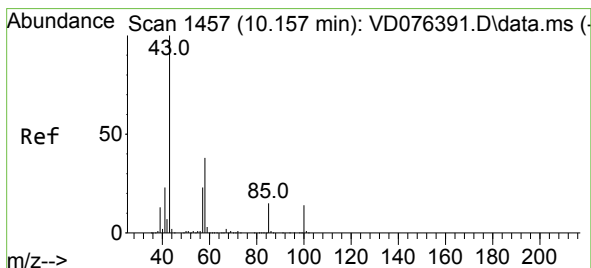
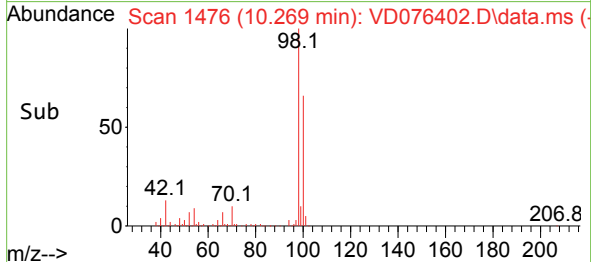
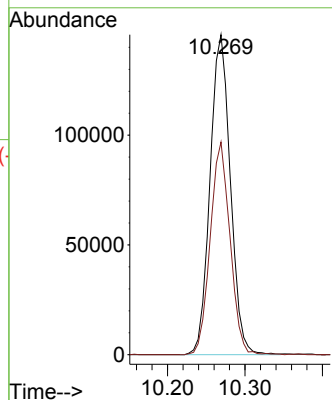
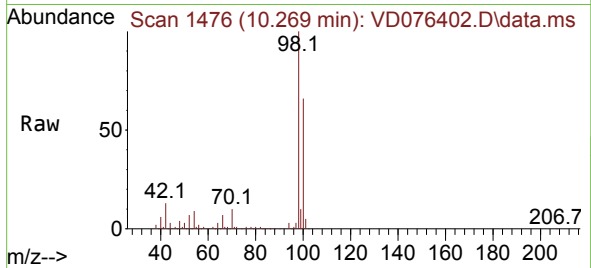




#50
Toluene-d8
Concen: 52.028 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

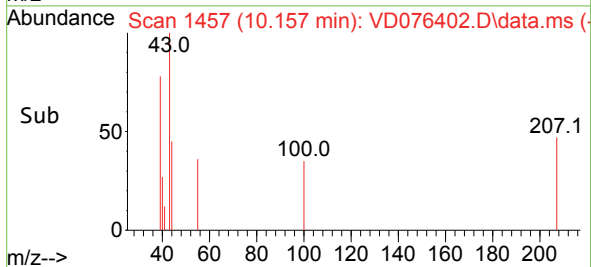
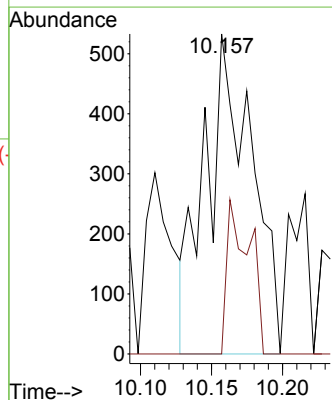
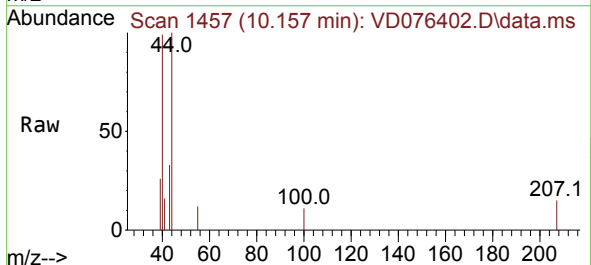
Instrument :
MSVOA_D
ClientSampleId :
WC-1

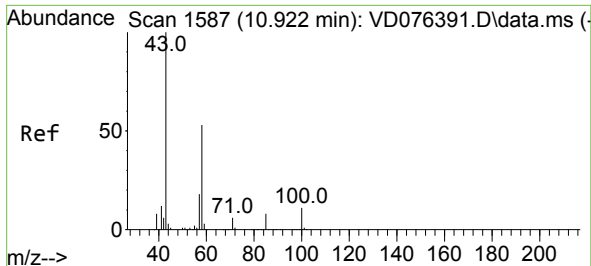
Tgt Ion: 98 Resp: 266205
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.122 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
58 23.5 38.9 58.3#

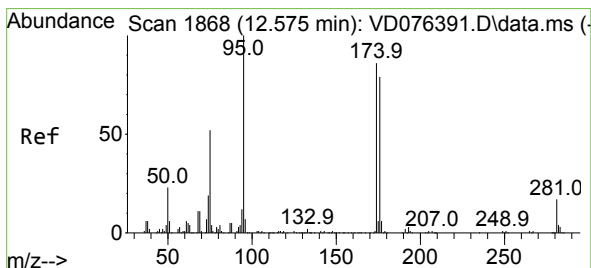
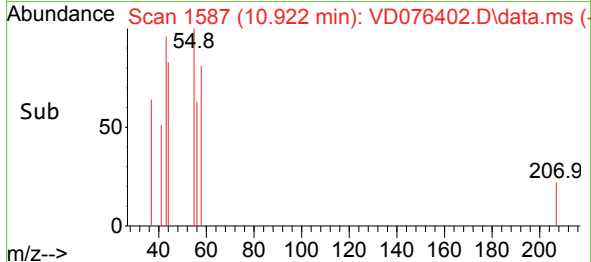
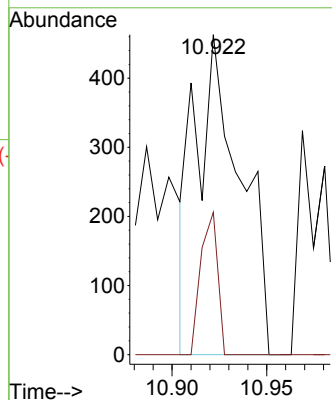
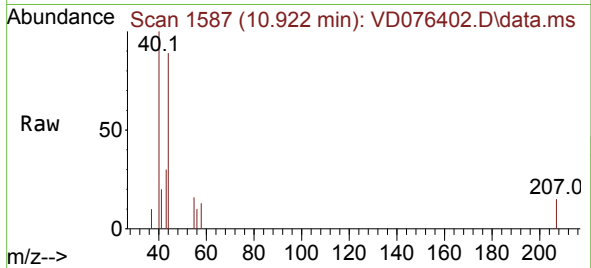




#59
2-Hexanone
Concen: 1.007 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

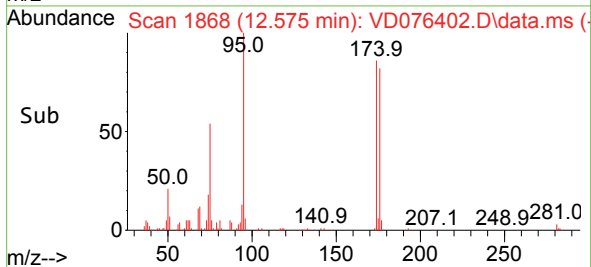
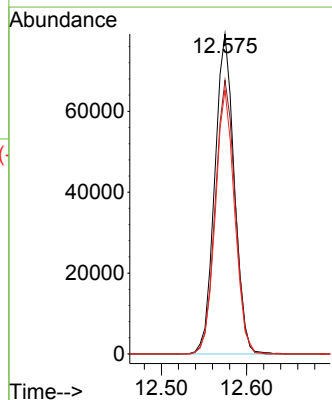
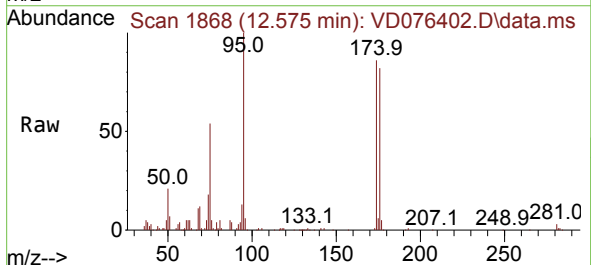
Instrument :
MSVOA_D
ClientSampleId :
WC-1

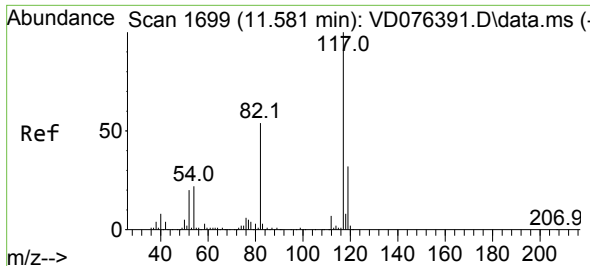
Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 16.7 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 71.788 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion: 95 Resp: 126008
Ion Ratio Lower Upper
95 100
174 86.8 0.0 201.8
176 81.3 0.0 191.8

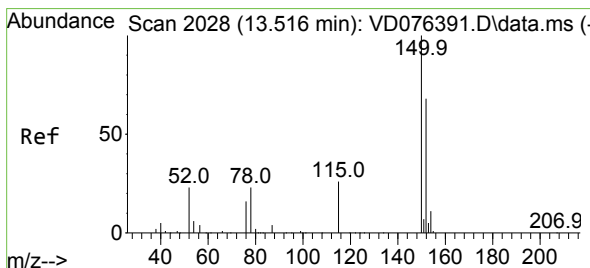
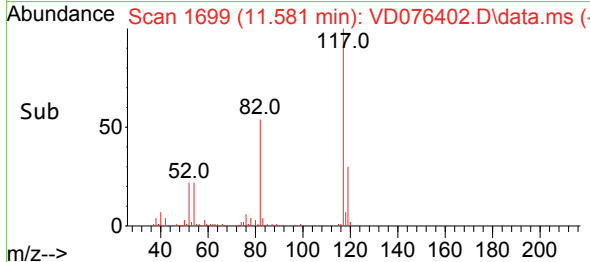
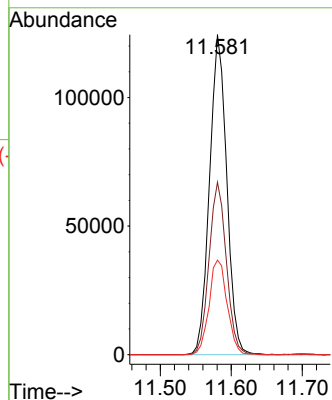
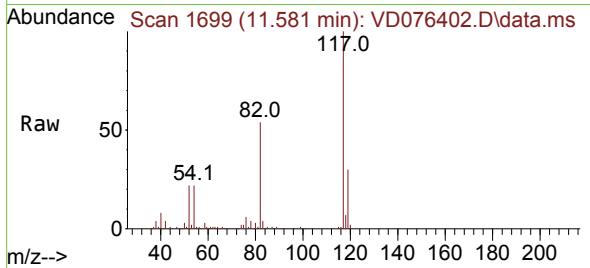




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

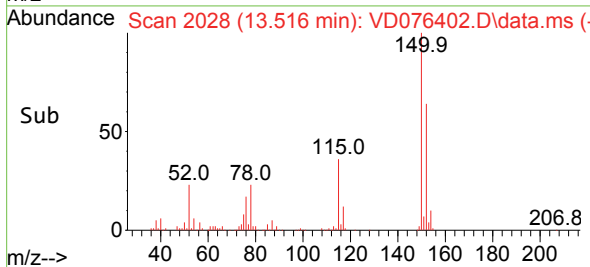
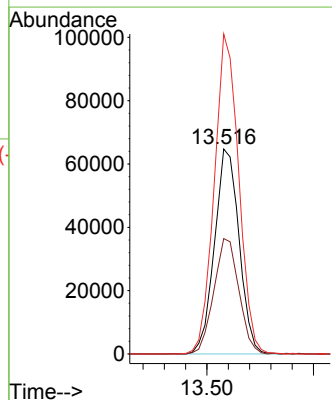
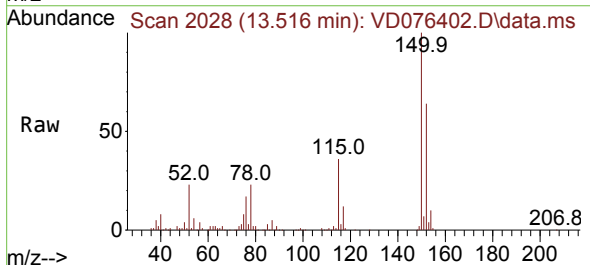
Instrument :
MSVOA_D
ClientSampleId :
WC-1

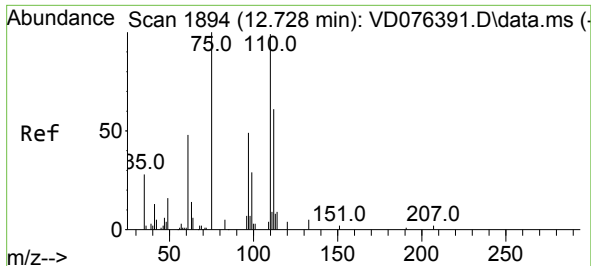
Tgt Ion:117 Resp: 209341
Ion Ratio Lower Upper
117 100
82 53.9 38.3 57.5
119 29.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion:152 Resp: 103700
Ion Ratio Lower Upper
152 100
115 57.5 27.1 81.3
150 155.0 0.0 353.6

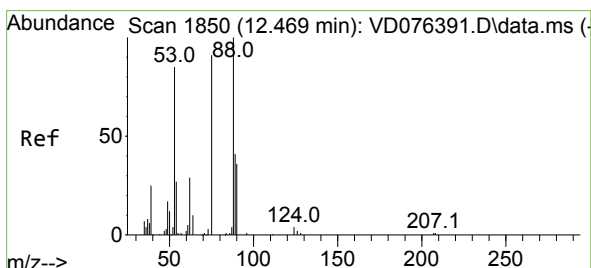
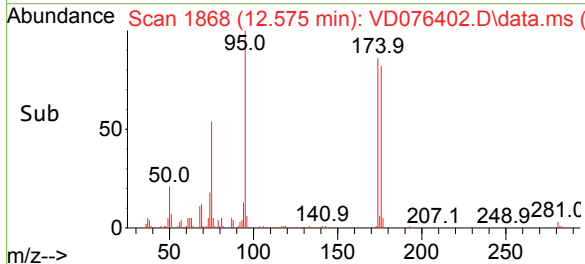
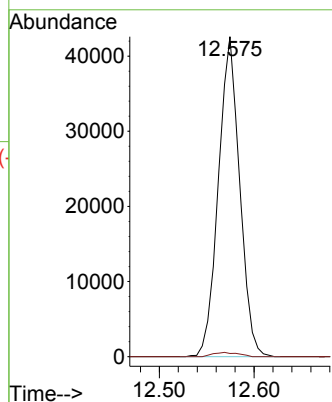
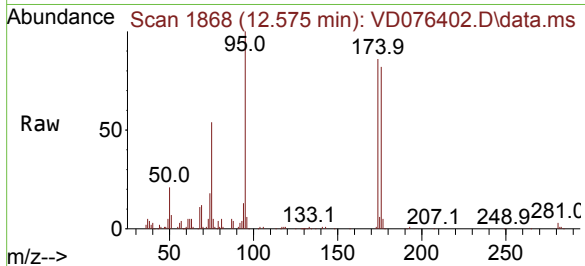




#76
1,2,3-Trichloropropane
Concen: 68.707 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 66609
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.015 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076402.D
Acq: 13 Jun 2023 13:48

Tgt Ion: 75 Resp: 66609
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

