

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060723\
 Data File : VD076362.D
 Acq On : 07 Jun 2023 19:19
 Operator : KP/SY
 Sample : 03042-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Jun 08 01:19:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 06 02:52:23 2023
 Response via : Initial Calibration

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

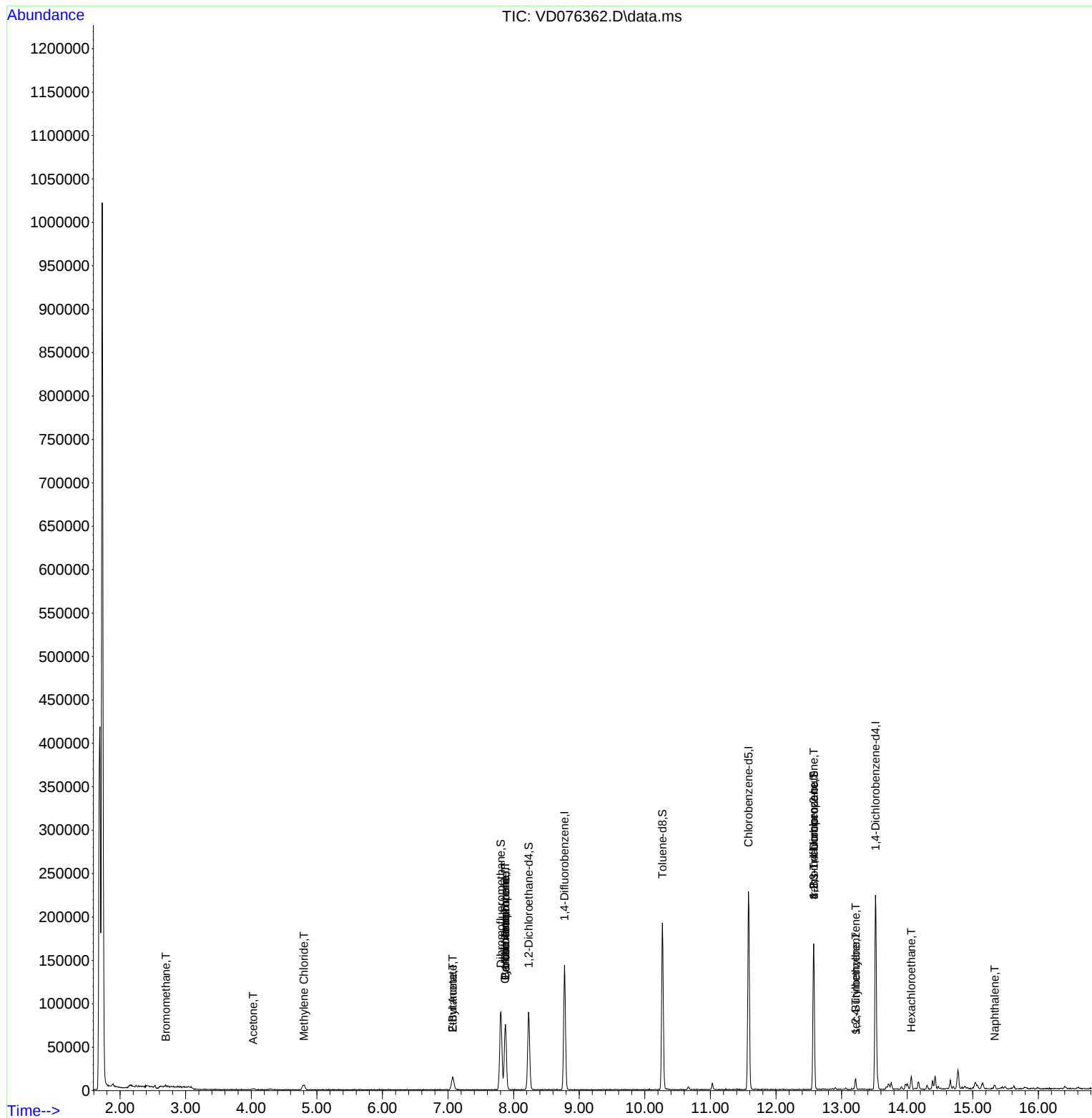
Internal Standards						
1) Pentafluorobenzene	7.875	168	66627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	135633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	146747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	66090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	65629	109.936	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 219.880%#			
35) Dibromofluoromethane	7.805	113	66894	77.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 155.360%#			
50) Toluene-d8	10.269	98	141489	41.265	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 82.540%			
62) 4-Bromofluorobenzene	12.575	95	49917	55.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.020%			
Target Compounds					Qvalue	
5) Bromomethane	2.699	94	1081	1.024	ug/l #	57
16) Acetone	4.028	43	2028	18.547	ug/l #	32
20) Methylene Chloride	4.805	84	4836	1.148	ug/l	91
25) 2-Butanone	7.069	43	585	3.864	ug/l #	37
31) Cyclohexane	7.869	56	1305	1.302	ug/l #	32
36) 1,1-Dichloropropene	7.875	75	4777	3.861	ug/l #	45
37) Ethyl Acetate	7.069	43	585	1.433	ug/l #	1
38) Carbon Tetrachloride	7.875	117	5255	4.845	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	23843	38.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	23843	92.565	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.216	105	6747	1.936	ug/l	97
85) sec-Butylbenzene	13.216	105	6747	1.499	ug/l #	54
90) Hexachloroethane	14.063	117	1136	1.517	ug/l #	11
95) Naphthalene	15.334	128	4666	5.138	ug/l #	87

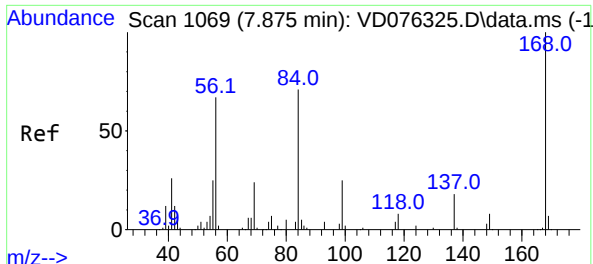
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

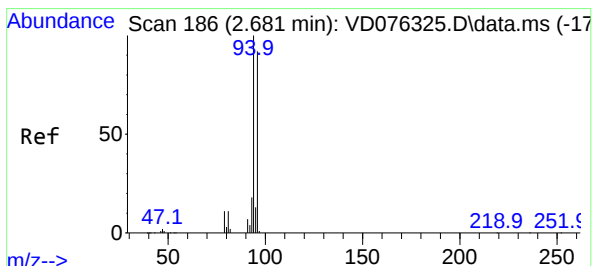
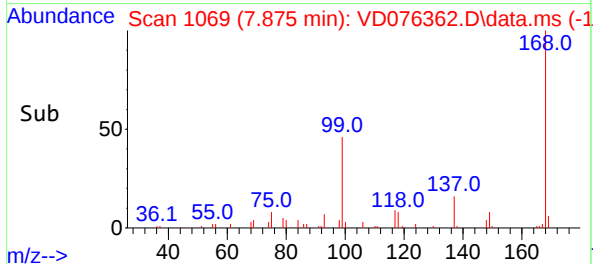
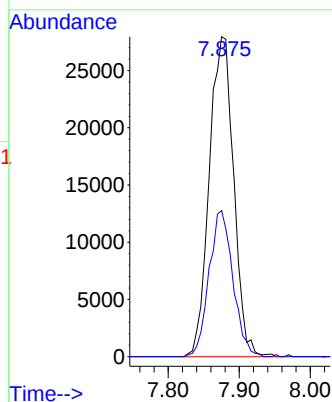
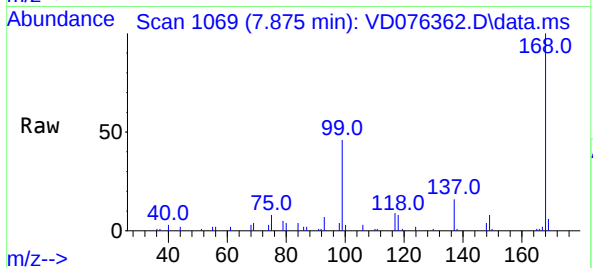




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

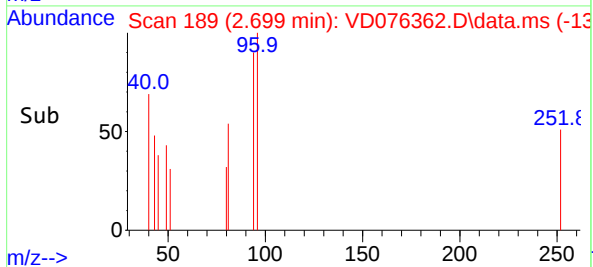
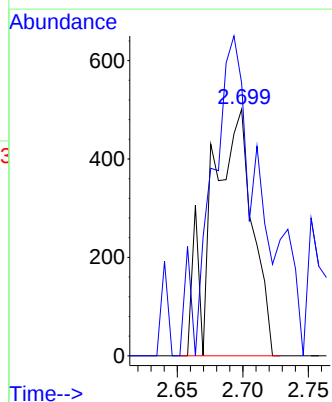
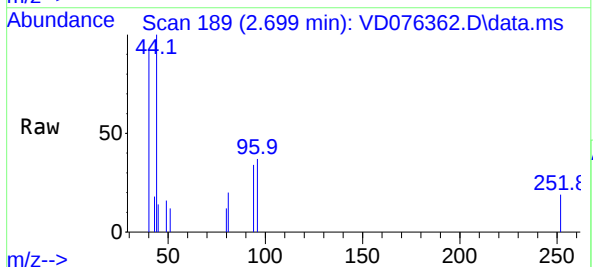
Instrument :
MSVOA_D
ClientSampleId :
WC-1

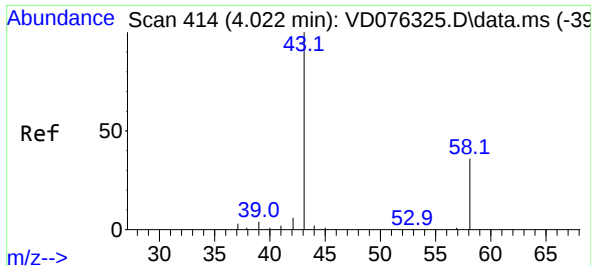
Tgt Ion:168 Resp: 66627
Ion Ratio Lower Upper
168 100
99 45.6 36.7 55.1



#5
Bromomethane
Concen: 1.024 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.018 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion: 94 Resp: 1081
Ion Ratio Lower Upper
94 100
96 136.3 75.8 113.8#

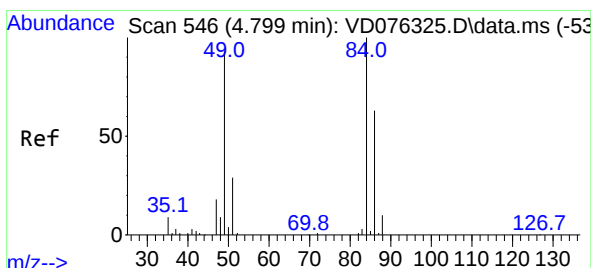
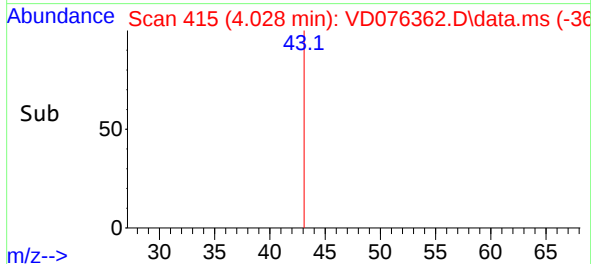
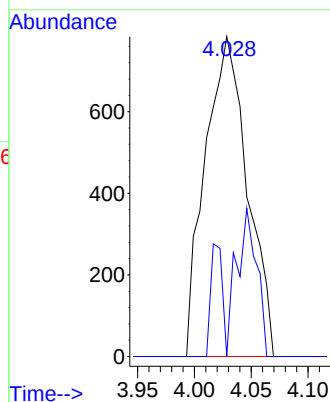
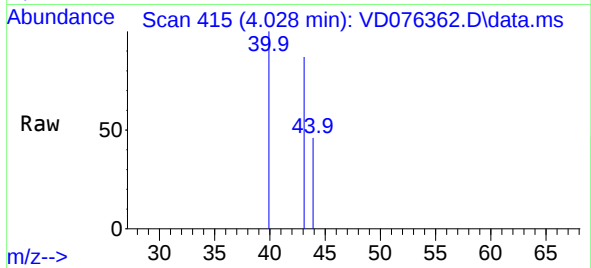




#16
Acetone
Concen: 18.547 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

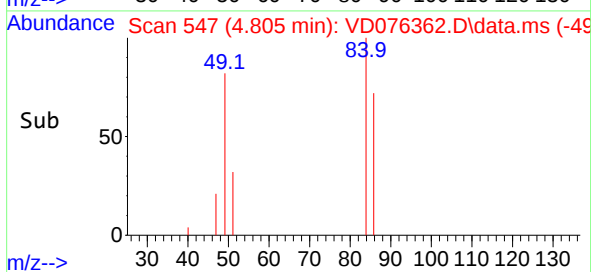
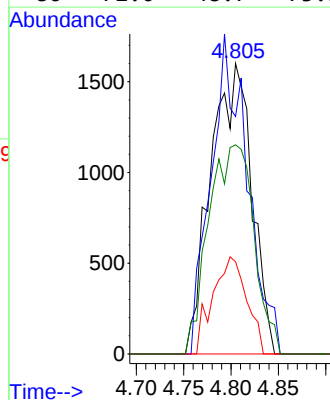
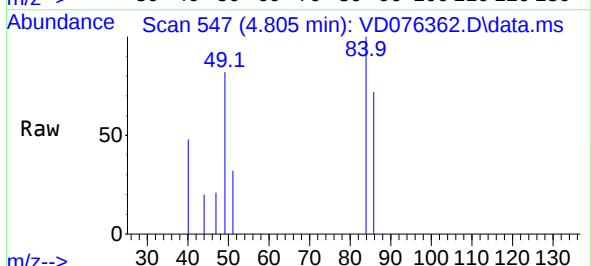
Instrument :
MSVOA_D
ClientSampleId :
WC-1

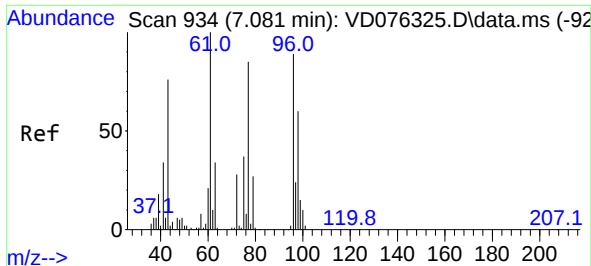
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 1.148 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion: 84 Resp: 4836
Ion Ratio Lower Upper
84 100
49 81.7 71.4 107.2
51 31.7 24.5 36.7
86 72.0 48.7 73.1





#25

2-Butanone

Concen: 3.864 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

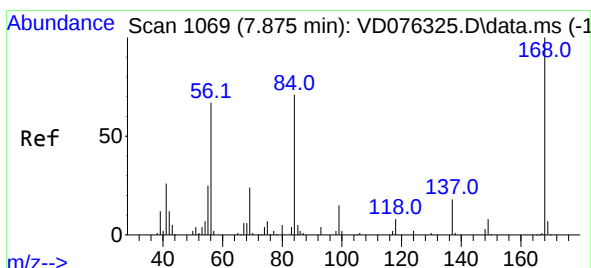
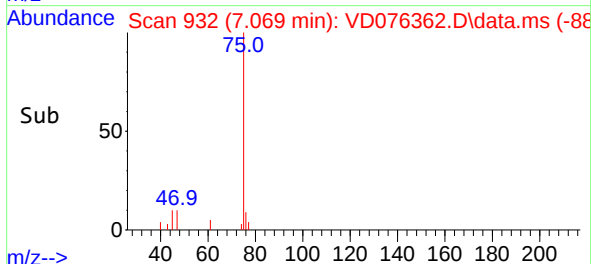
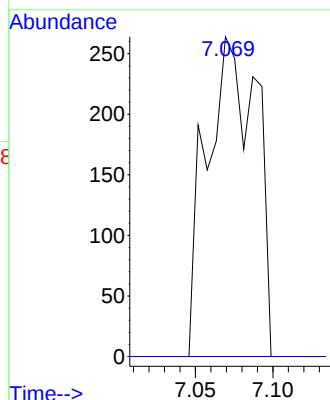
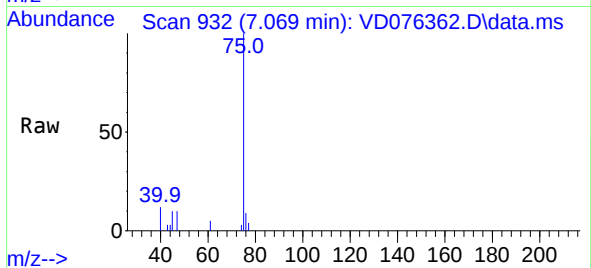
WC-1

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

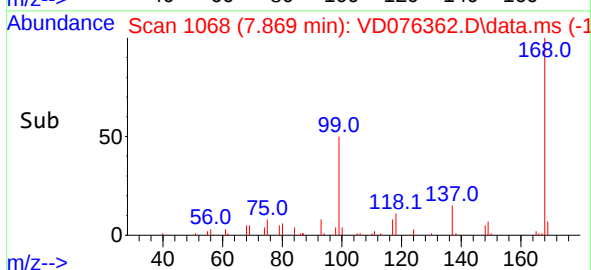
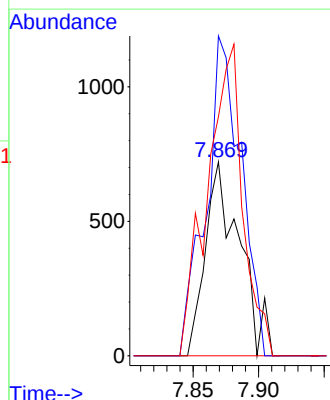
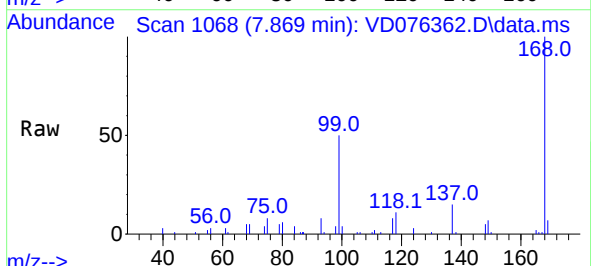
Tgt Ion: 56 Resp: 1305

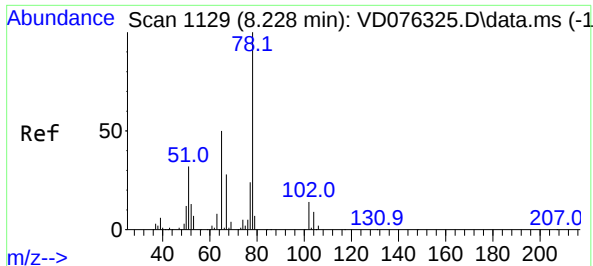
Ion Ratio Lower Upper

56 100

69 164.9 28.6 43.0#

84 123.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 109.936 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

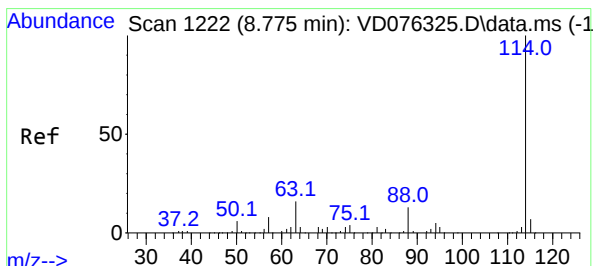
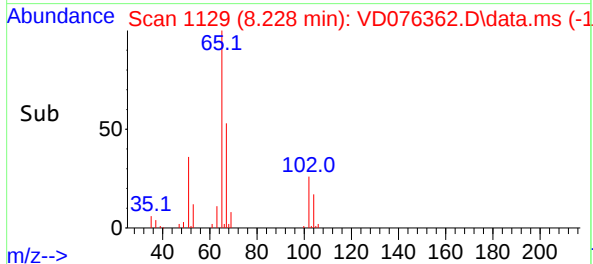
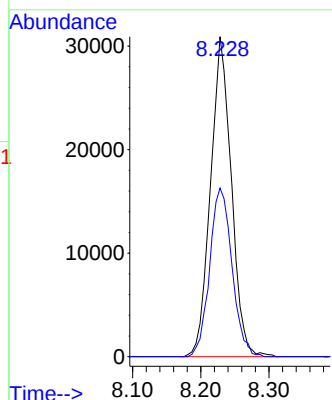
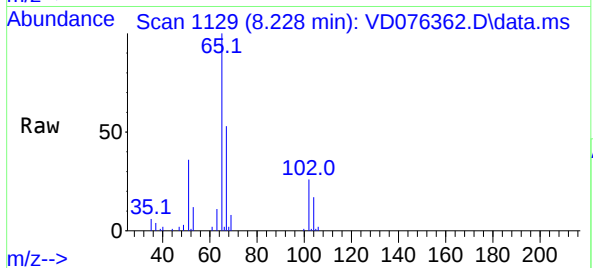
WC-1

Tgt Ion: 65 Resp: 65629

Ion Ratio Lower Upper

65 100

67 56.6 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: VD076362.D

Acq: 07 Jun 2023 19:19

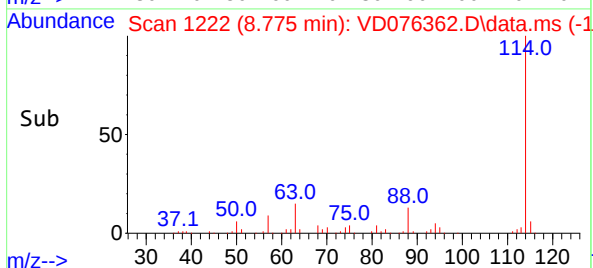
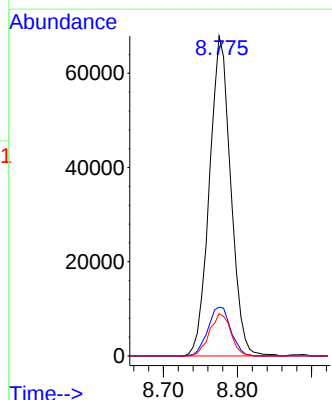
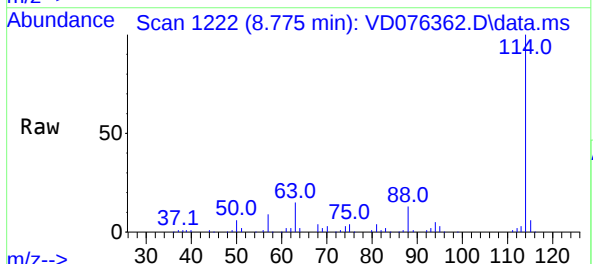
Tgt Ion: 114 Resp: 135633

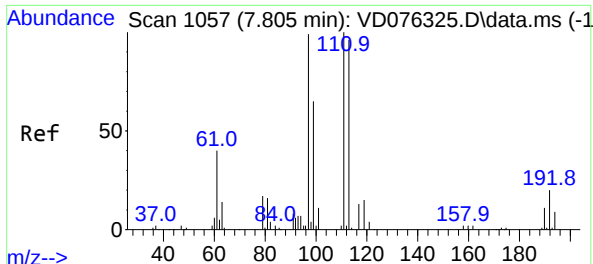
Ion Ratio Lower Upper

114 100

63 15.3 0.0 33.4

88 13.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 77.677 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

WC-1

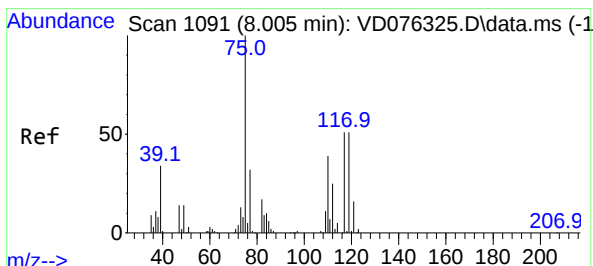
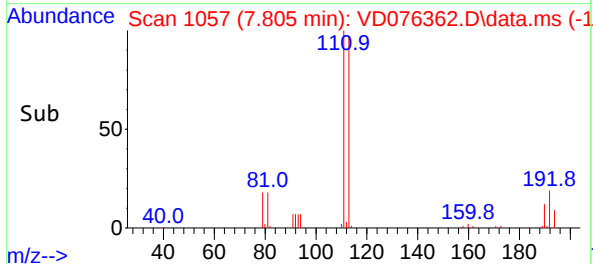
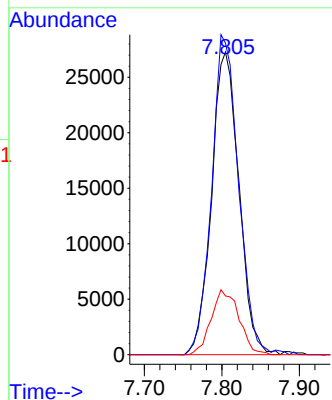
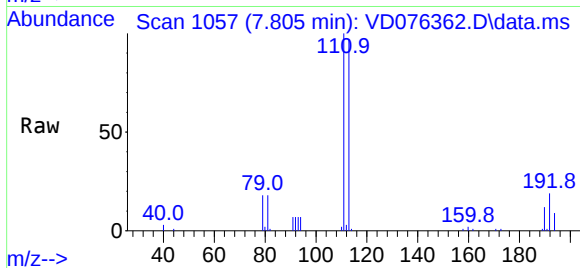
Tgt Ion:113 Resp: 66894

Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 21.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.861 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

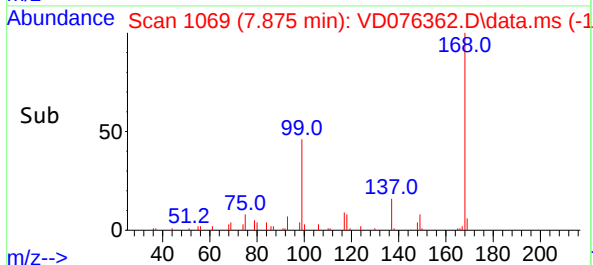
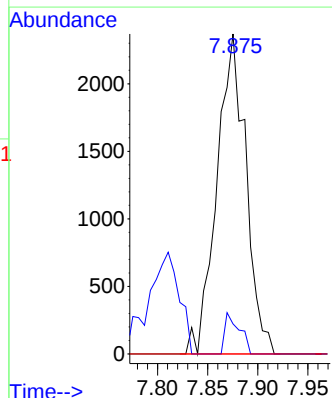
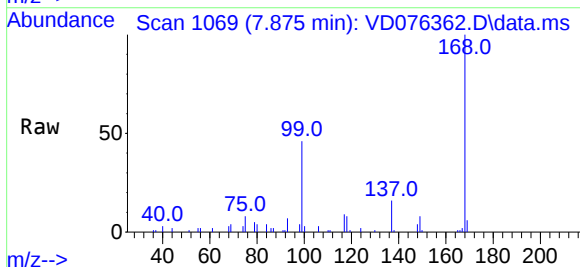
Tgt Ion: 75 Resp: 4777

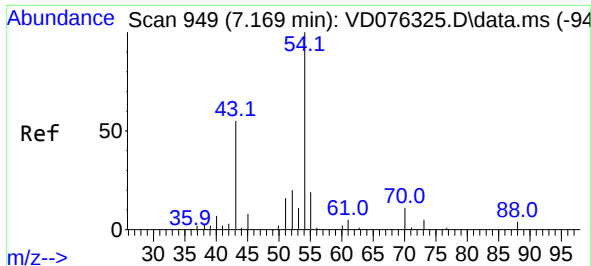
Ion Ratio Lower Upper

75 100

110 6.5 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.433 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

WC-1

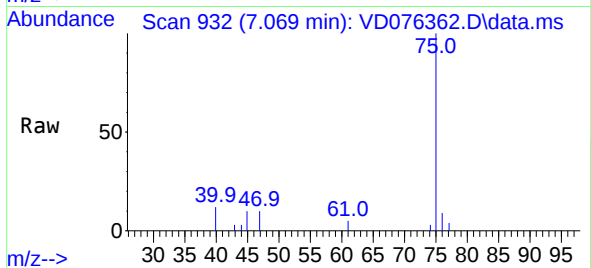
Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

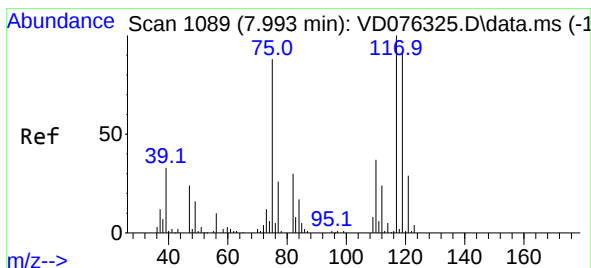
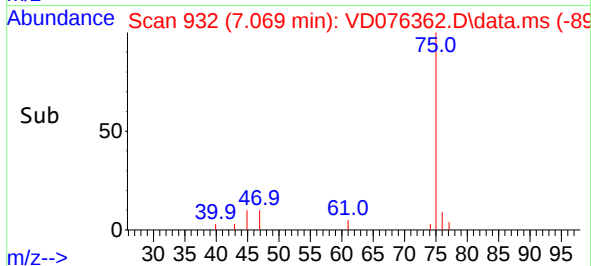
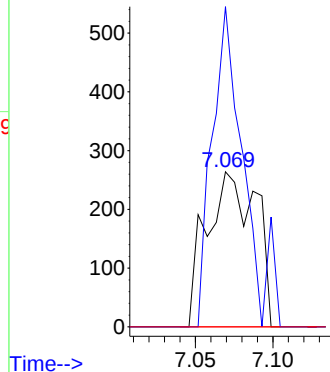
43 100

61 132.8 14.9 22.3#

70 0.0 10.0 15.0#



Abundance



#38

Carbon Tetrachloride

Concen: 4.845 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

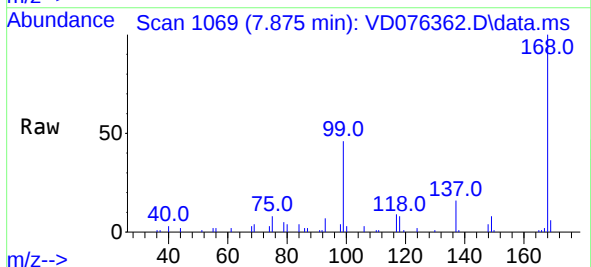
Tgt Ion: 117 Resp: 5255

Ion Ratio Lower Upper

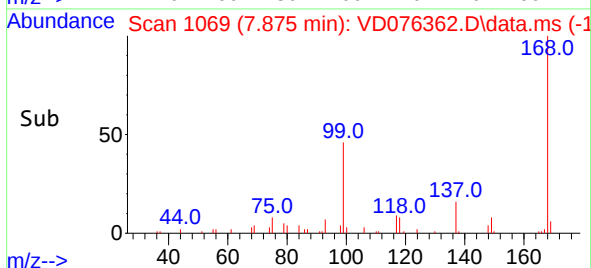
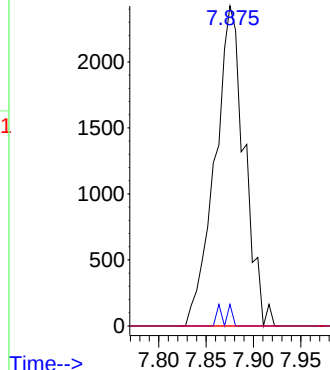
117 100

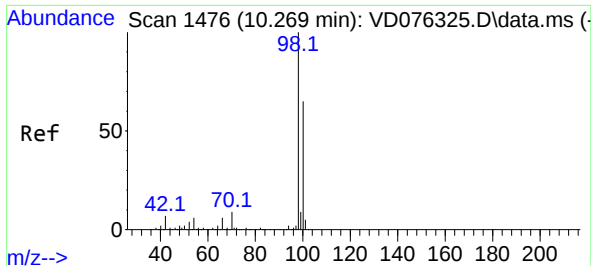
119 6.7 78.0 117.0#

121 0.0 24.2 36.2#



Abundance

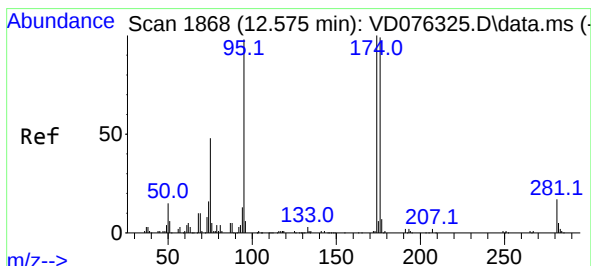
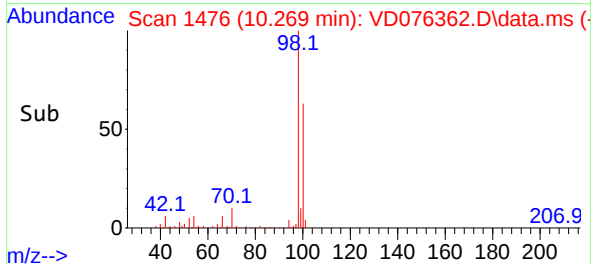
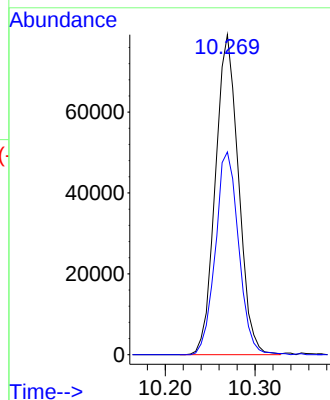
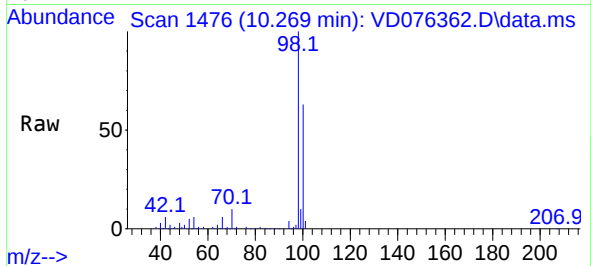




#50
Toluene-d8
Concen: 41.265 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

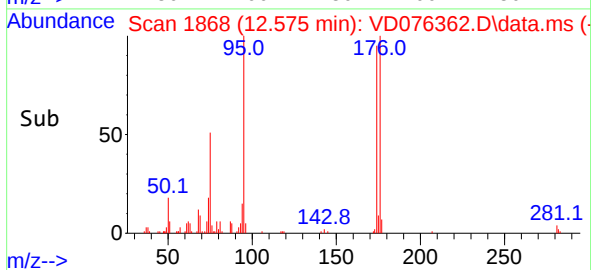
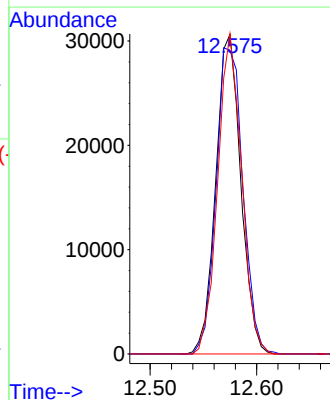
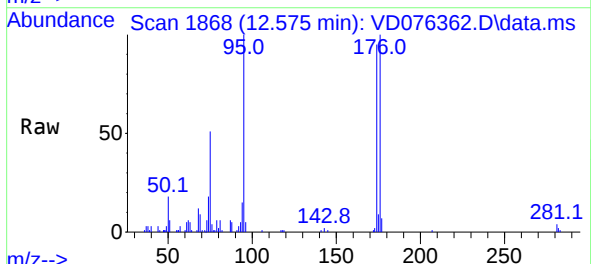
Instrument :
MSVOA_D
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WC-1

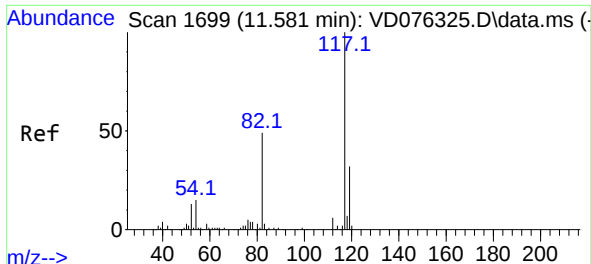
Tgt Ion: 98 Resp: 141489
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 55.011 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion: 95 Resp: 49917
Ion Ratio Lower Upper
95 100
174 102.6 0.0 201.8
176 95.7 0.0 191.8

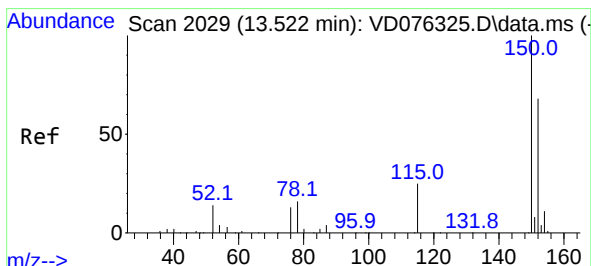
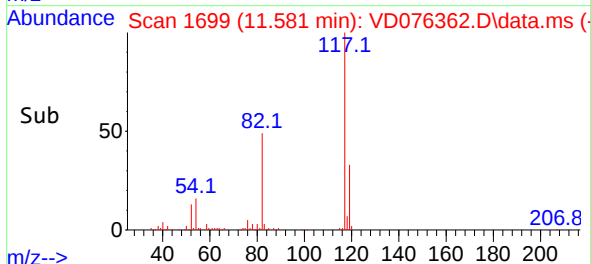
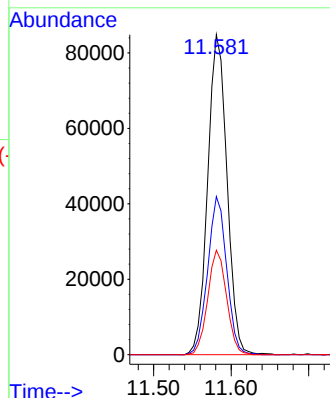
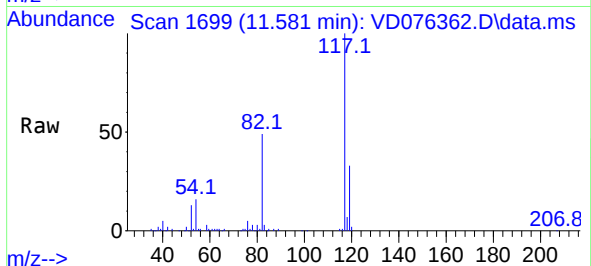




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

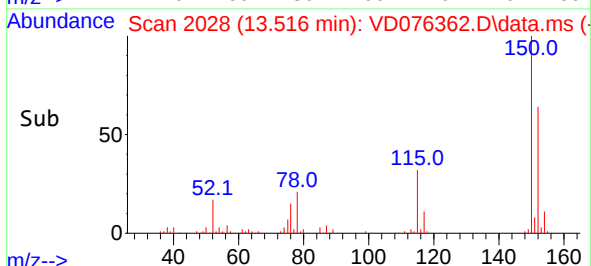
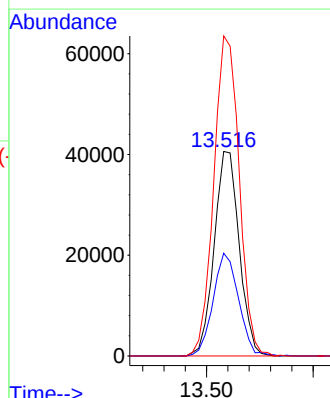
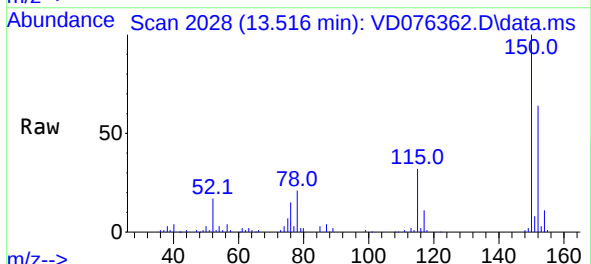
Instrument :
MSVOA_D
ClientSampleId :
WC-1

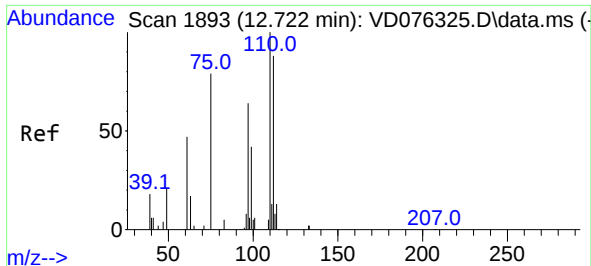
Tgt Ion:	117	Resp:	146747
Ion	Ratio	Lower	Upper
117	100		
82	49.4	38.3	57.5
119	32.7	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion:	152	Resp:	66090
Ion	Ratio	Lower	Upper
152	100		
115	51.4	27.1	81.3
150	159.3	0.0	353.6

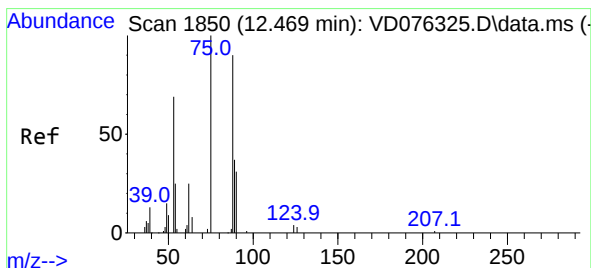
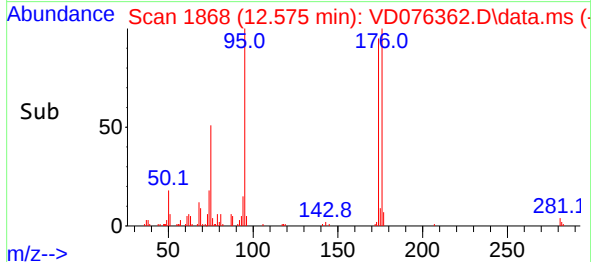
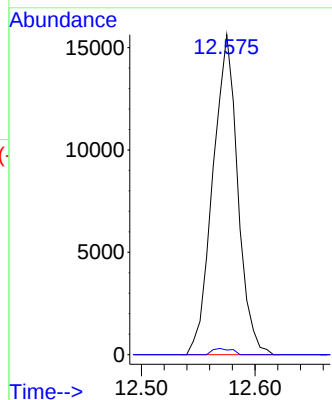
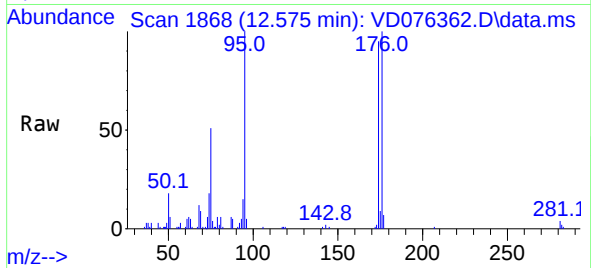




#76
1,2,3-Trichloropropane
Concen: 38.648 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

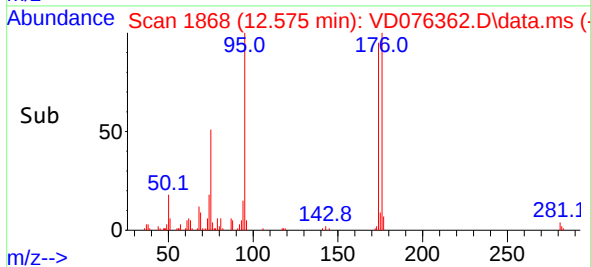
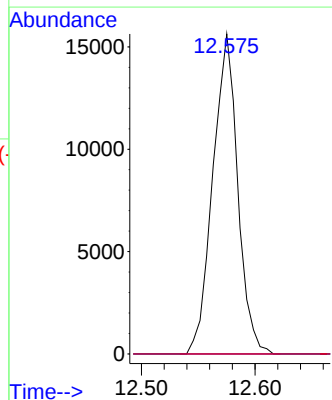
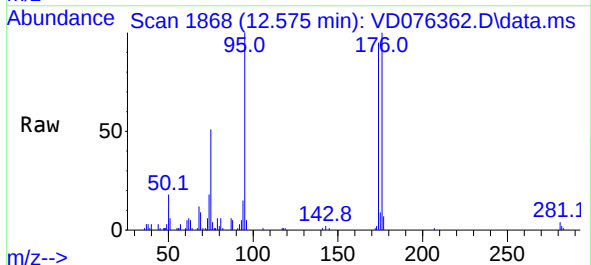
Instrument :
MSVOA_D
ClientSampleId :
WC-1

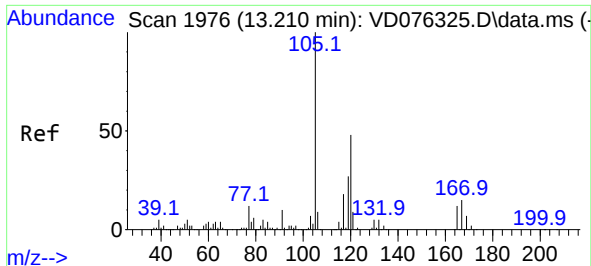
Tgt Ion: 75 Resp: 23843
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.565 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion: 75 Resp: 23843
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

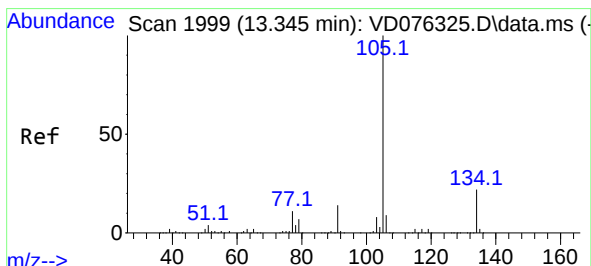
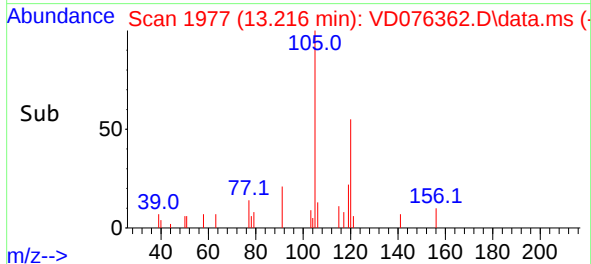
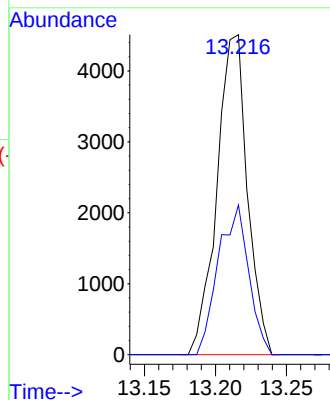
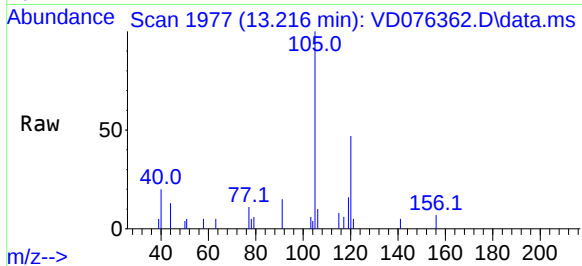




#84
1,2,4-Trimethylbenzene
Concen: 1.936 ug/l
RT: 13.216 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

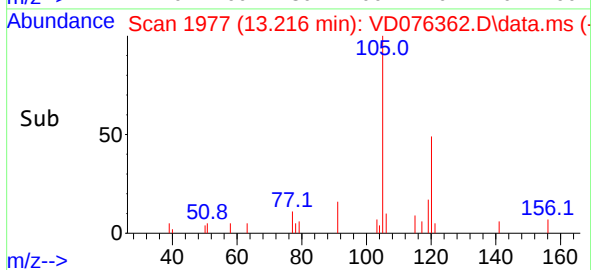
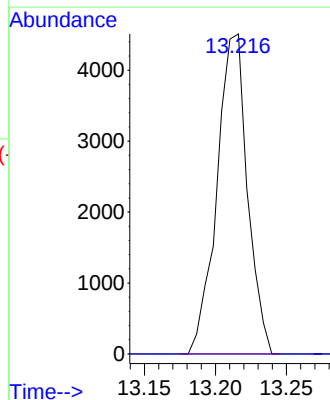
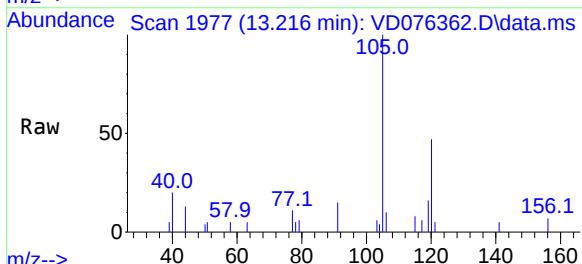
Instrument :
MSVOA_D
ClientSampleId :
WC-1

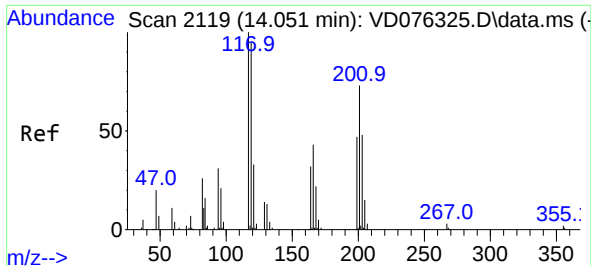
Tgt Ion:105 Resp: 6747
Ion Ratio Lower Upper
105 100
120 46.6 24.3 72.9



#85
sec-Butylbenzene
Concen: 1.499 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.129 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion:105 Resp: 6747
Ion Ratio Lower Upper
105 100
134 0.0 10.9 32.9#

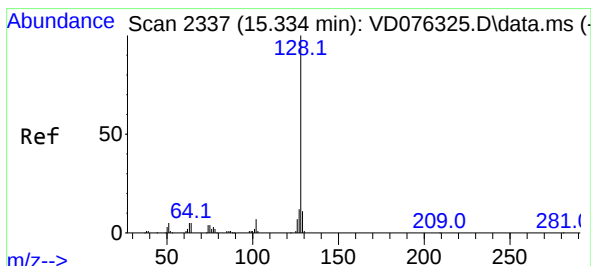
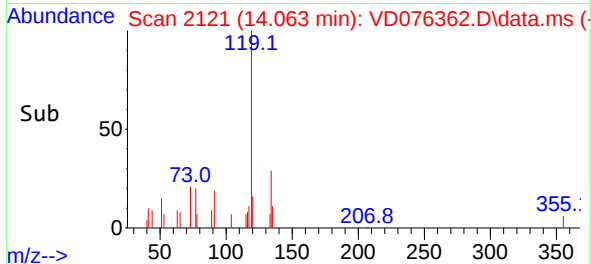
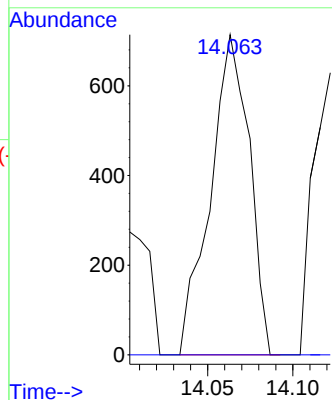
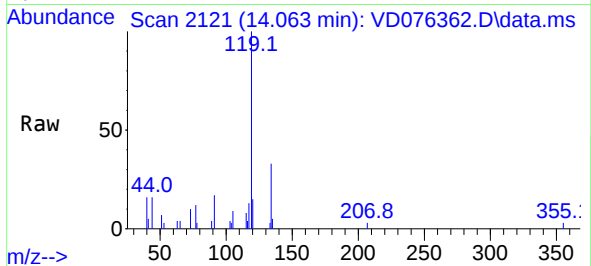




#90
Hexachloroethane
Concen: 1.517 ug/l
RT: 14.063 min Scan# 2119
Delta R.T. 0.012 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion:117 Resp: 1136
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#95
Naphthalene
Concen: 5.138 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion:128 Resp: 4666
Ion Ratio Lower Upper
128 100
127 6.9 10.5 15.7#
129 7.2 8.7 13.1#

