

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077009.D
 Acq On : 14 Aug 2023 19:01
 Operator : JC/SY
 Sample : 03973-07
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-11.5-12.0

Quant Time: Aug 15 04:51:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

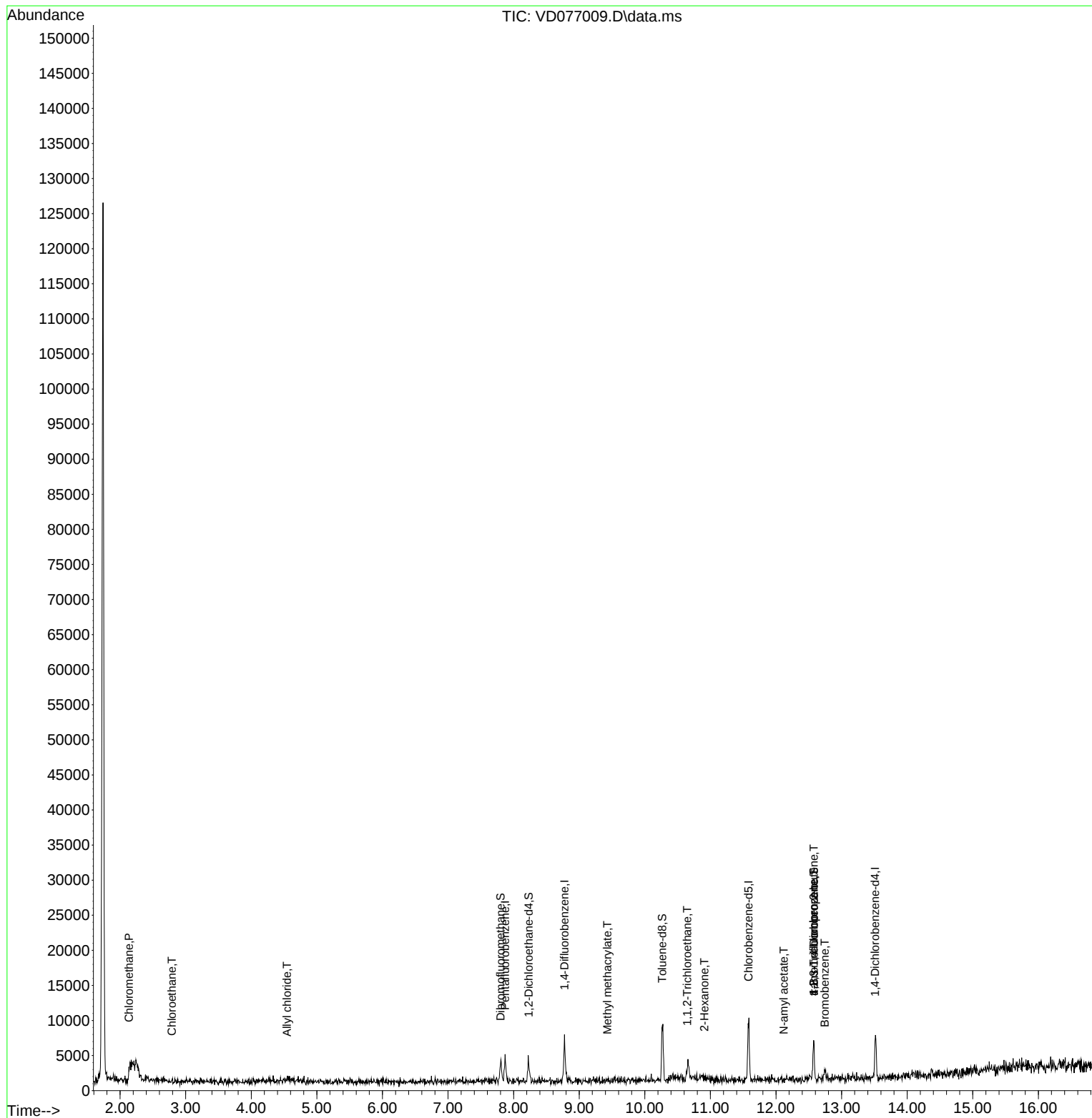
Internal Standards						
1) Pentafluorobenzene	7.869	168	2739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	6951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	5968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	2372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	2511	116.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 232.420%#	
35) Dibromofluoromethane	7.799	113	2231	59.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.400%	
50) Toluene-d8	10.263	98	7024	58.520	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.040%	
62) 4-Bromofluorobenzene	12.575	95	1932	46.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.134	50	58	2.496	ug/l #	41
6) Chloroethane	2.787	64	129	4.586	ug/l #	43
14) Allyl chloride	4.546	41	73	2.836	ug/l #	19
48) Methyl methacrylate	9.428	41	61	3.462	ug/l #	1
55) 1,1,2-Trichloroethane	10.646	97	65	1.831	ug/l #	16
59) 2-Hexanone	10.910	43	58	3.852	ug/l #	16
74) N-amyl acetate	12.116	43	58	1.950	ug/l #	35
76) 1,2,3-Trichloropropane	12.575	75	1081	48.580	ug/l #	100
77) Bromobenzene	12.745	156	56	1.542	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.575	75	1081	114.136	ug/l #	17

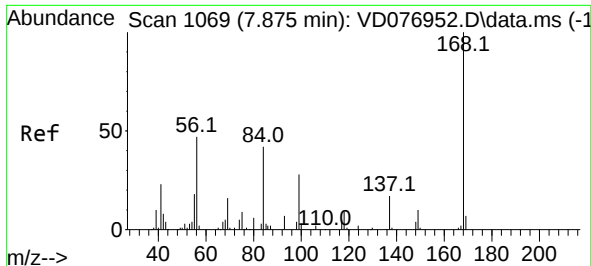
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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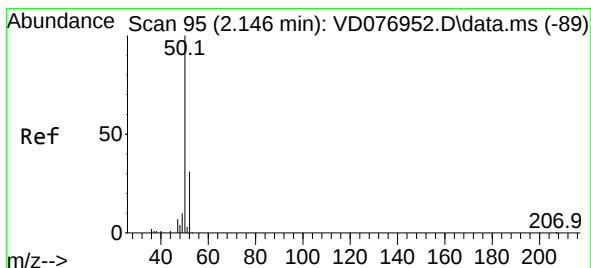
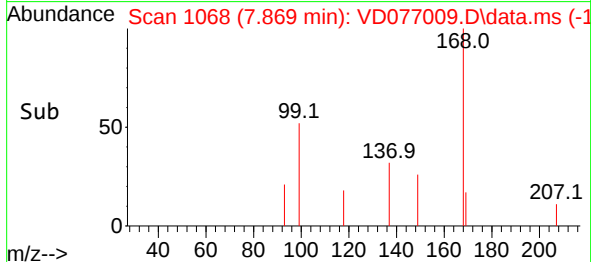
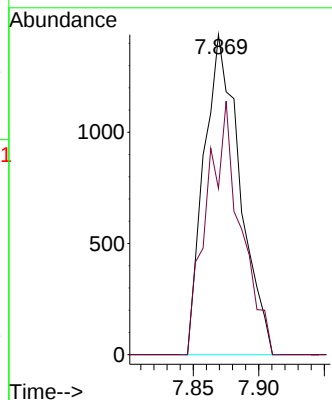
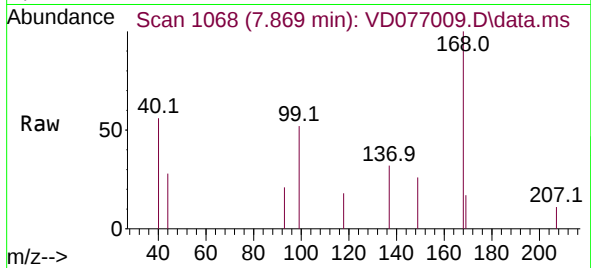




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

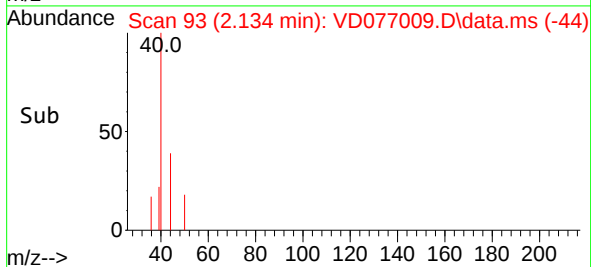
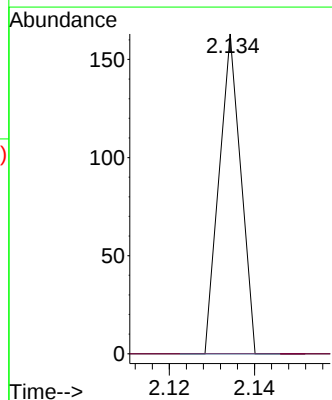
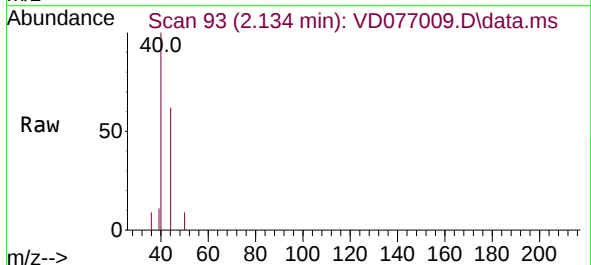
Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

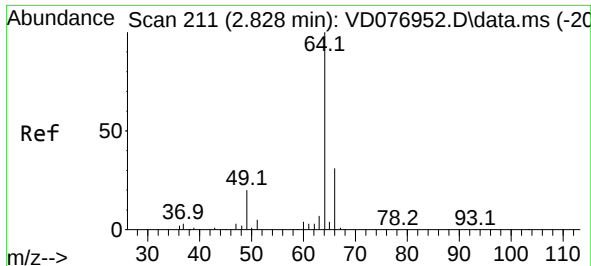
Tgt Ion:168 Resp: 2739
Ion Ratio Lower Upper
168 100
99 52.0 36.7 55.1



#3
Chloromethane
Concen: 2.496 ug/l
RT: 2.134 min Scan# 93
Delta R.T. -0.012 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

Tgt Ion: 50 Resp: 58
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

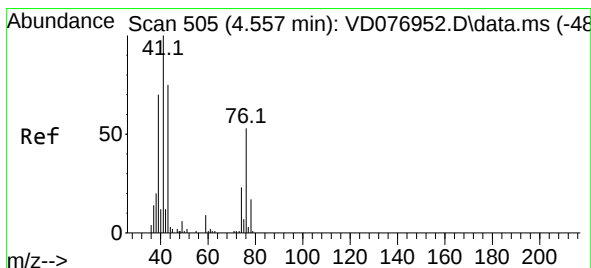
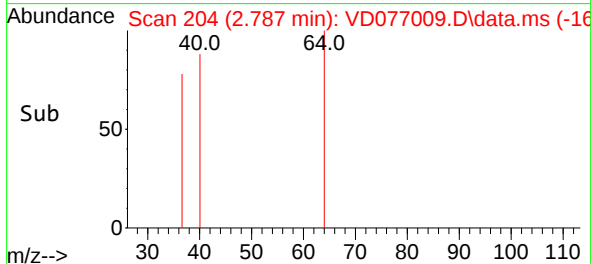
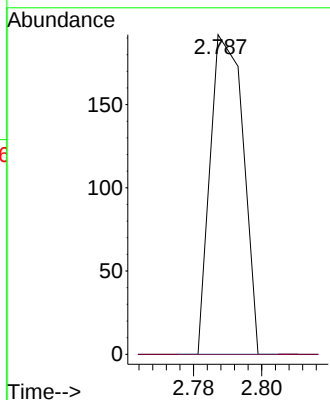
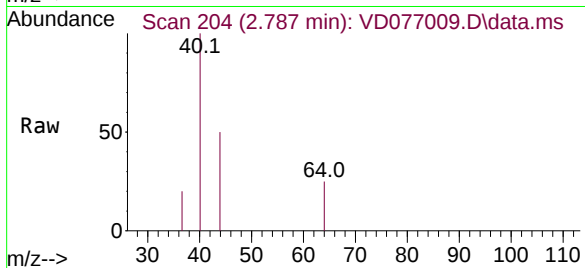




#6
Chloroethane
Concen: 4.586 ug/l
RT: 2.787 min Scan# 204
Delta R.T. -0.041 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

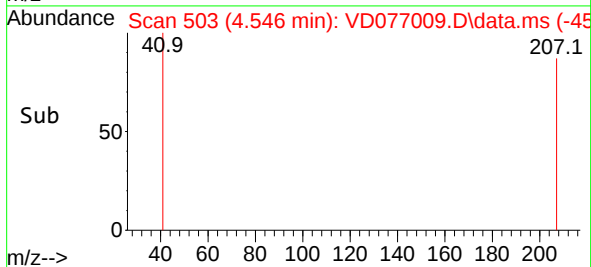
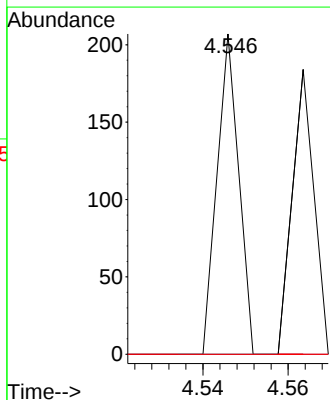
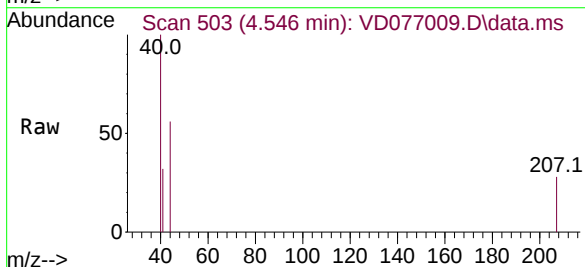
Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

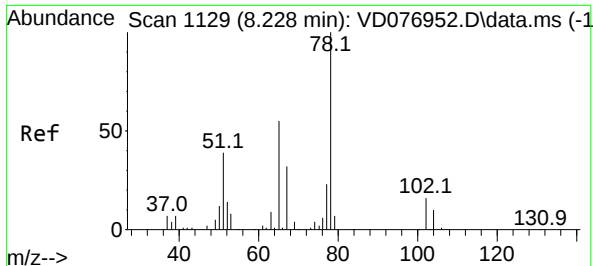
Tgt Ion: 64 Resp: 129
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#14
Allyl chloride
Concen: 2.836 ug/l
RT: 4.546 min Scan# 503
Delta R.T. -0.011 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

Tgt Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
76 0.0 45.8 68.8#





#33

1,2-Dichloroethane-d4

Concen: 116.213 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077009.D

Acq: 14 Aug 2023 19:01

Instrument :

MSVOA_D

ClientSampleId :

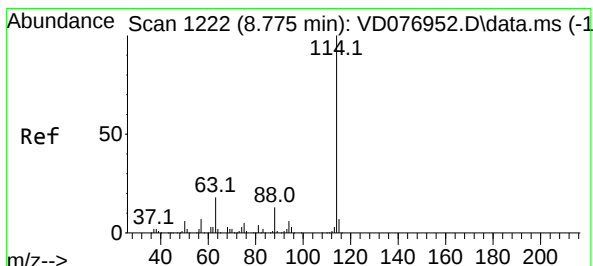
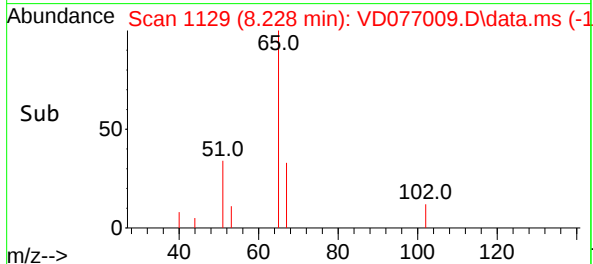
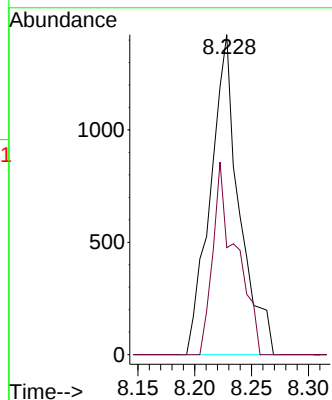
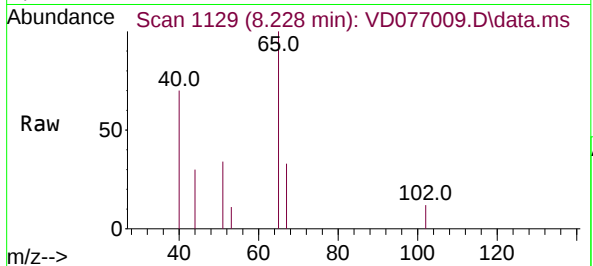
SB-04-11.5-12.0

Tgt Ion: 65 Resp: 2511

Ion Ratio Lower Upper

65 100

67 48.5 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: VD077009.D

Acq: 14 Aug 2023 19:01

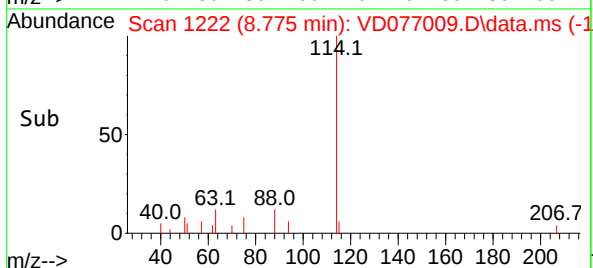
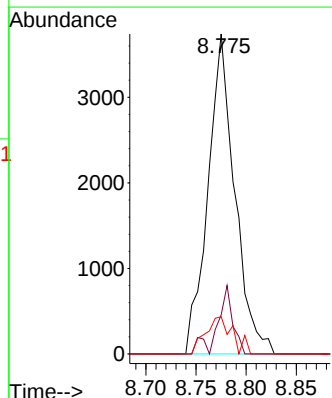
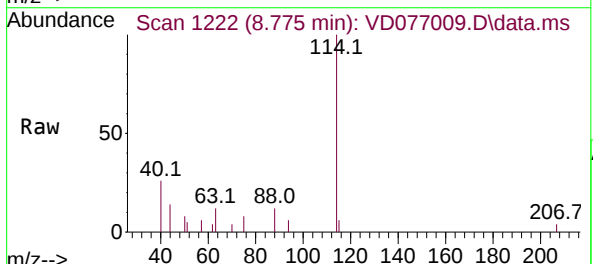
Tgt Ion: 114 Resp: 6951

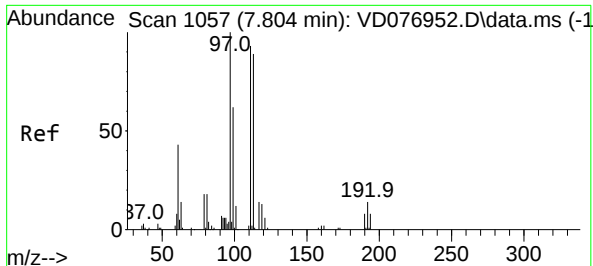
Ion Ratio Lower Upper

114 100

63 12.2 0.0 33.4

88 11.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 59.701 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.005 min

Lab File: VD077009.D

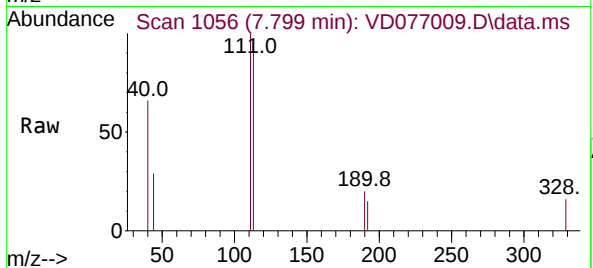
Acq: 14 Aug 2023 19:01

Instrument :

MSVOA_D

ClientSampleId :

SB-04-11.5-12.0



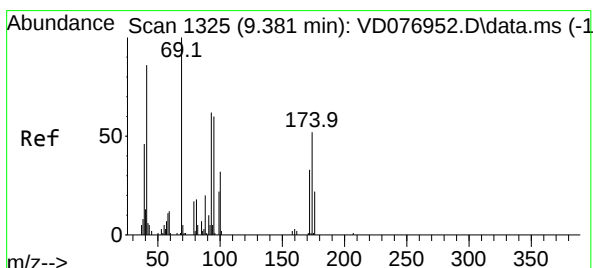
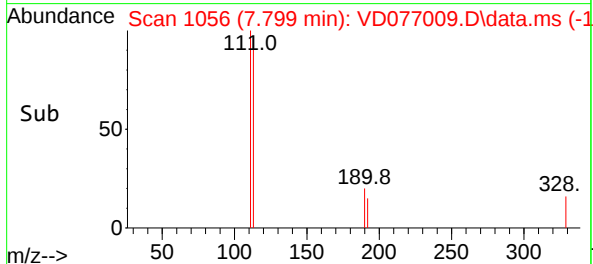
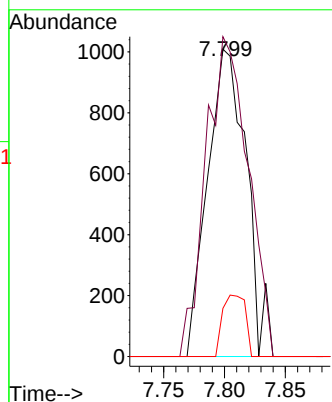
Tgt Ion:113 Resp: 2231

Ion Ratio Lower Upper

113 100

111 113.4 84.7 127.1

192 11.8 16.8 25.2#



#48

Methyl methacrylate

Concen: 3.462 ug/l

RT: 9.428 min Scan# 1333

Delta R.T. 0.047 min

Lab File: VD077009.D

Acq: 14 Aug 2023 19:01

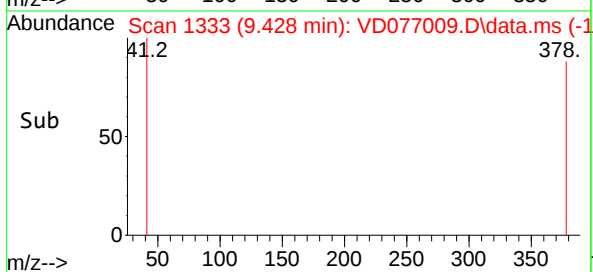
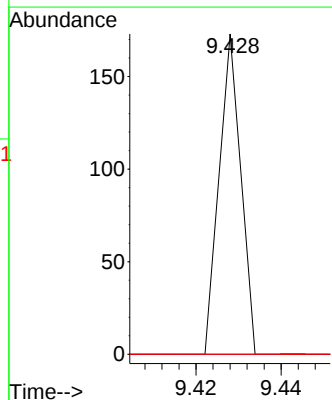
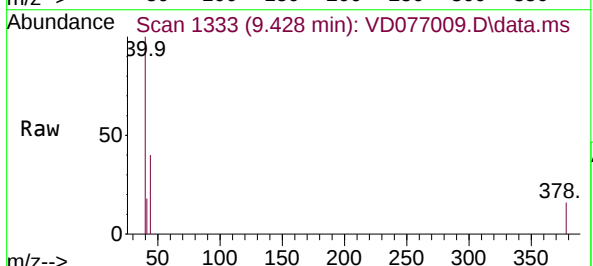
Tgt Ion: 41 Resp: 61

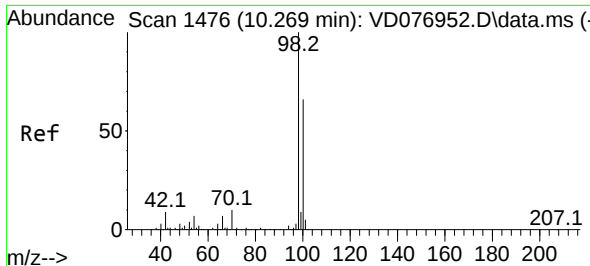
Ion Ratio Lower Upper

41 100

69 0.0 102.2 153.2#

39 0.0 41.4 62.2#

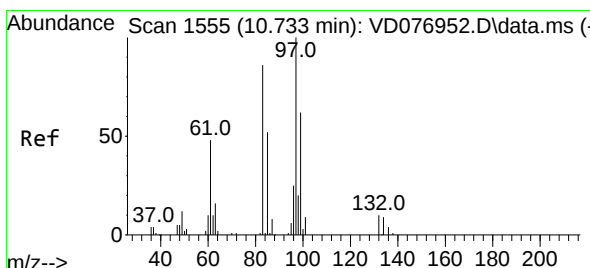
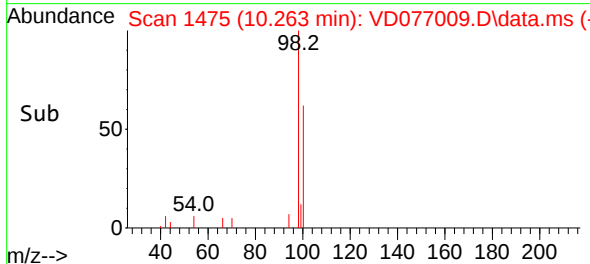
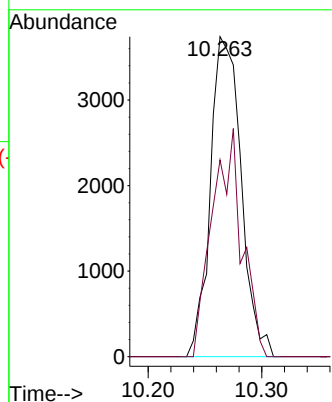
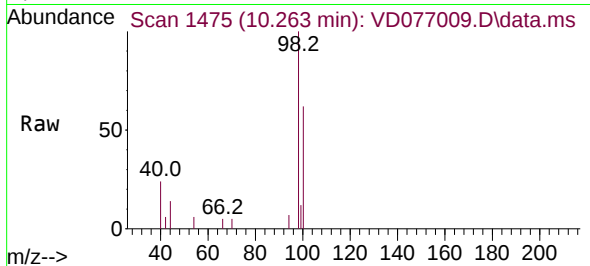




#50
Toluene-d8
Concen: 58.520 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

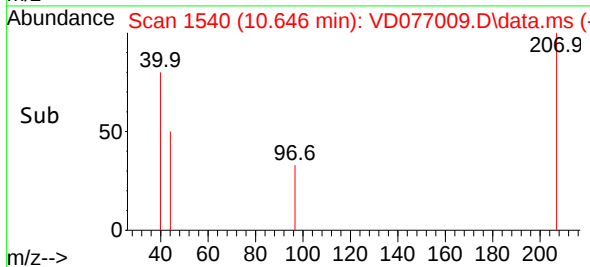
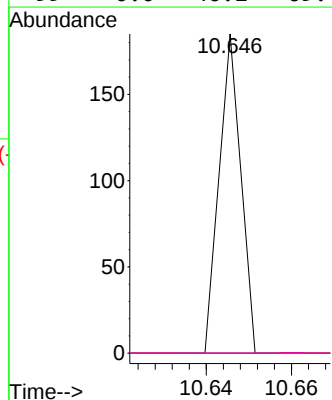
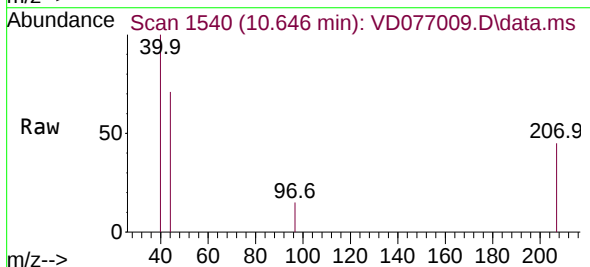
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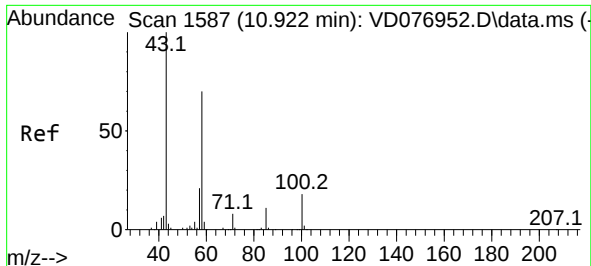
Tgt Ion: 98 Resp: 7024
Ion Ratio Lower Upper
98 100
100 69.2 50.3 75.5



#55
1,1,2-Trichloroethane
Concen: 1.831 ug/l
RT: 10.646 min Scan# 1540
Delta R.T. -0.087 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

Tgt Ion: 97 Resp: 65
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.6#
85 0.0 45.7 68.5#
99 0.0 46.2 69.4#

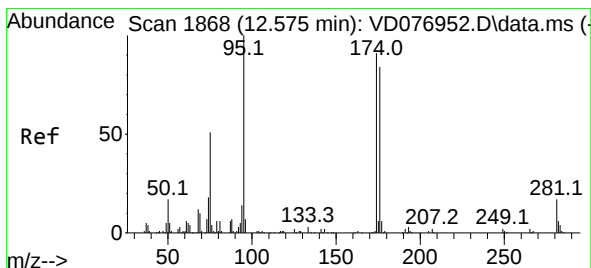
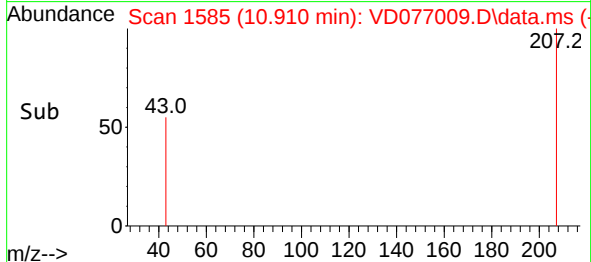
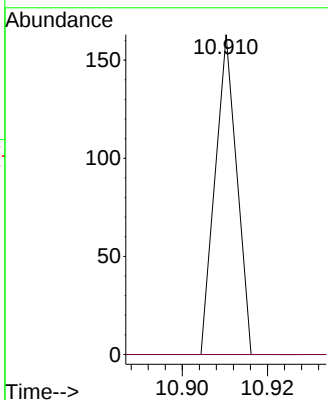
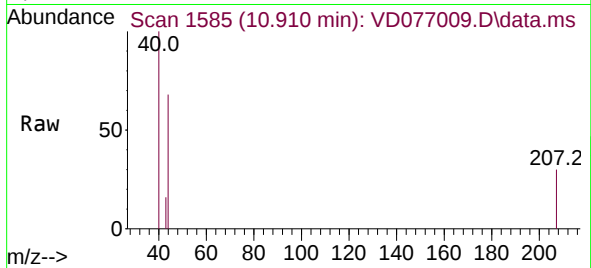




#59
2-Hexanone
Concen: 3.852 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

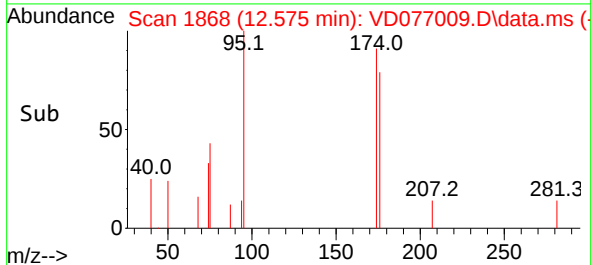
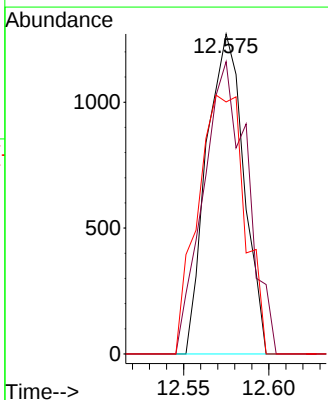
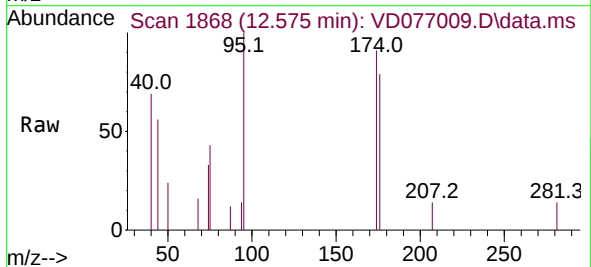
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SB-04-11.5-12.0

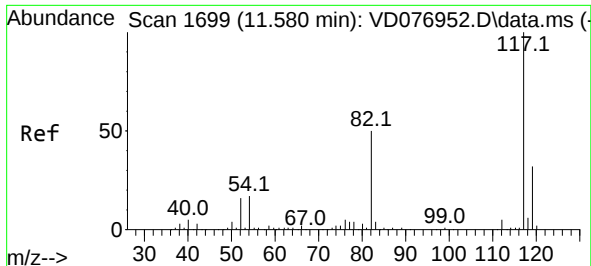
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 46.044 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

Tgt Ion: 95 Resp: 1932
Ion Ratio Lower Upper
95 100
174 107.8 0.0 201.8
176 102.5 0.0 191.8

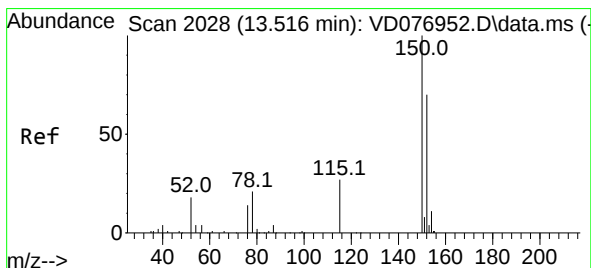
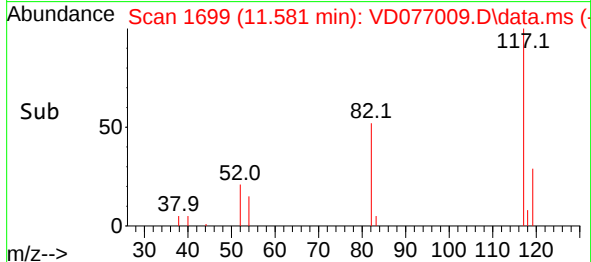
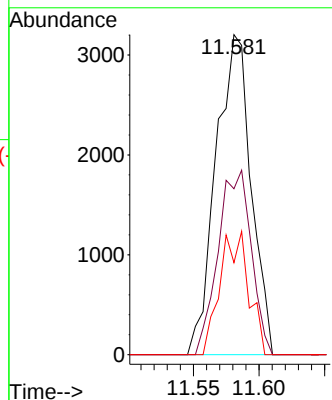
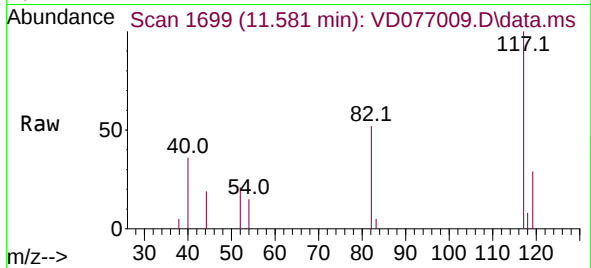




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

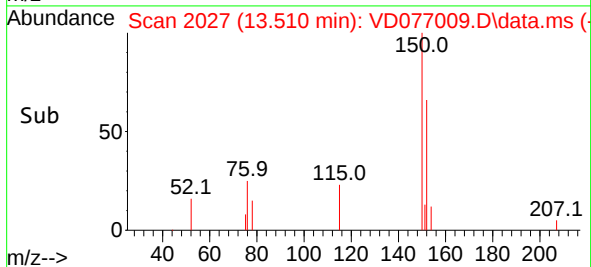
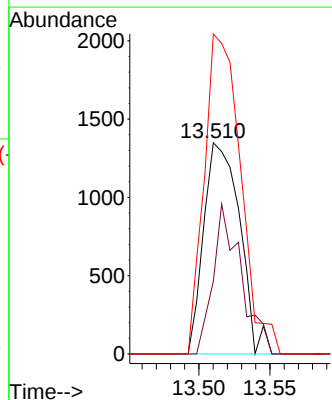
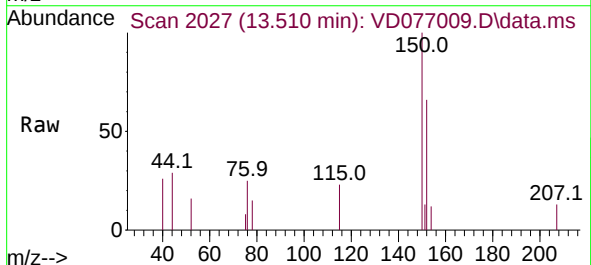
Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

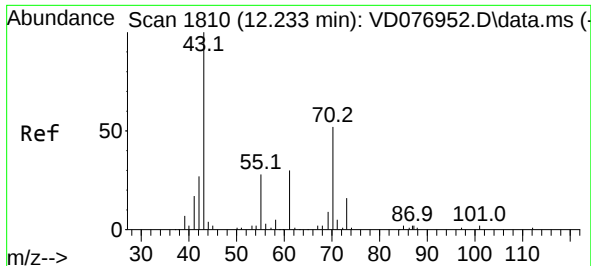
Tgt Ion:117 Resp: 5968
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 28.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. -0.006 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

Tgt Ion:152 Resp: 2372
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.3
150 154.1 0.0 353.6

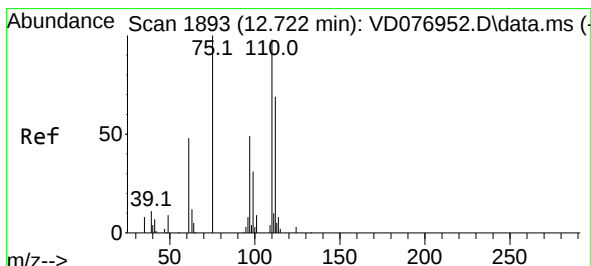
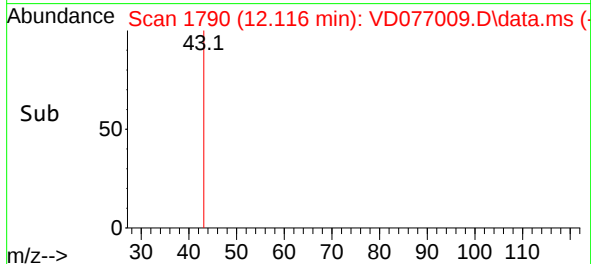
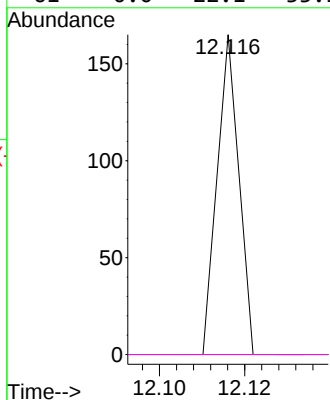
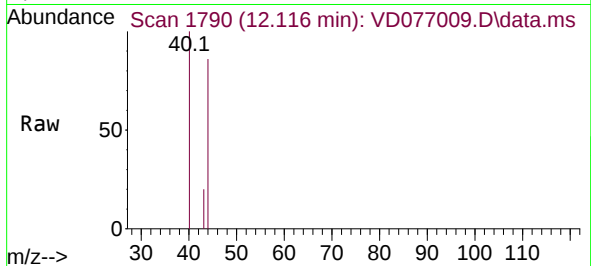




#74
N-amy1 acetate
Concen: 1.950 ug/l
RT: 12.116 min Scan# 11
Delta R.T. -0.117 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

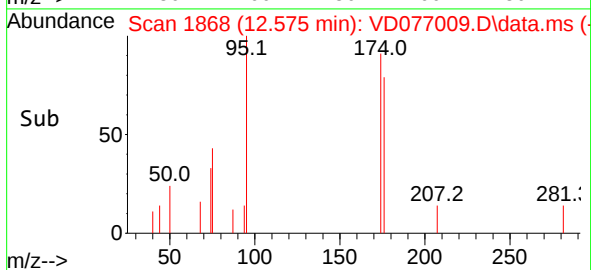
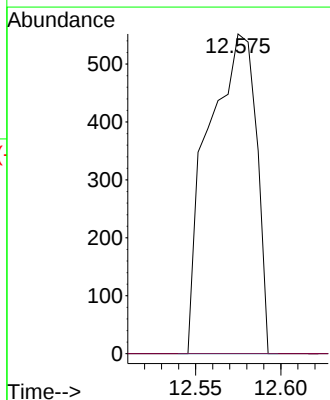
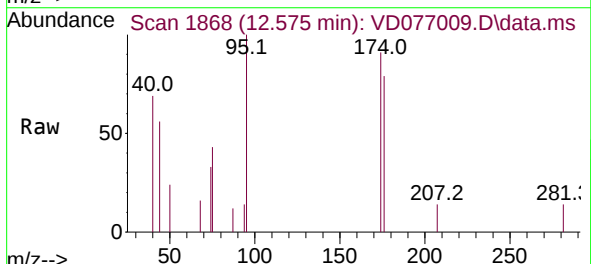
Instrument :
MSVOA_D
ClientSampleId :
SB-04-11.5-12.0

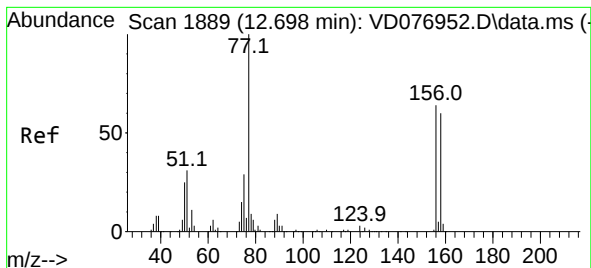
Tgt Ion: 43	Resp: 58
Ion Ratio	Lower Upper
43 100	
70 0.0	45.0 67.4#
55 0.0	23.8 35.6#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 48.580 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077009.D
Acq: 14 Aug 2023 19:01

Tgt Ion: 75	Resp: 1081
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 1.542 ug/l

RT: 12.745 min Scan# 1889

Delta R.T. 0.047 min

Lab File: VD077009.D

Acq: 14 Aug 2023 19:01

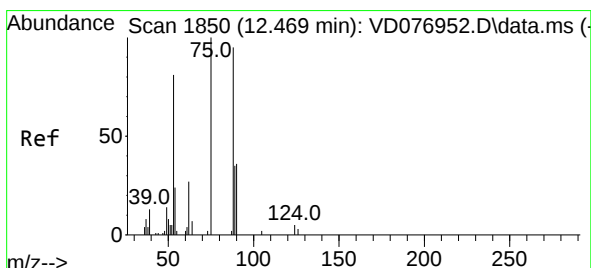
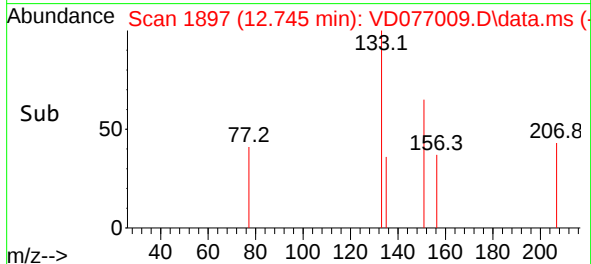
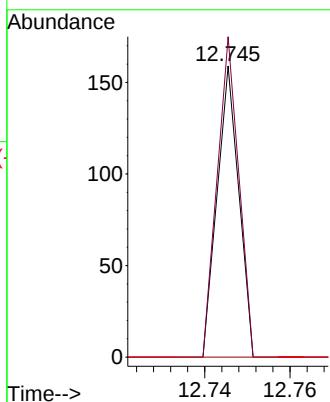
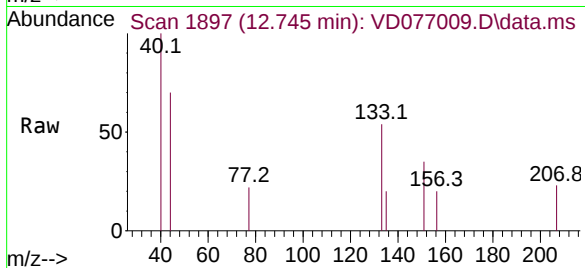
Instrument :

MSVOA_D

ClientSampleId :

SB-04-11.5-12.0

Tgt Ion:	156	Resp:	56
Ion	Ratio	Lower	Upper
156	100		
77	110.7	76.8	230.4
158	0.0	48.6	145.9



#81

trans-1,4-Dichloro-2-butene

Concen: 114.136 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD077009.D

Acq: 14 Aug 2023 19:01

Tgt Ion:	75	Resp:	1081
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4
89	0.0	37.9	56.9

