

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102323\
 Data File : VD077381.D
 Acq On : 23 Oct 2023 15:14
 Operator : JC/SY
 Sample : 04977-08RE
 Misc : 4.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-406-VOC-02RE

Quant Time: Oct 24 09:08:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

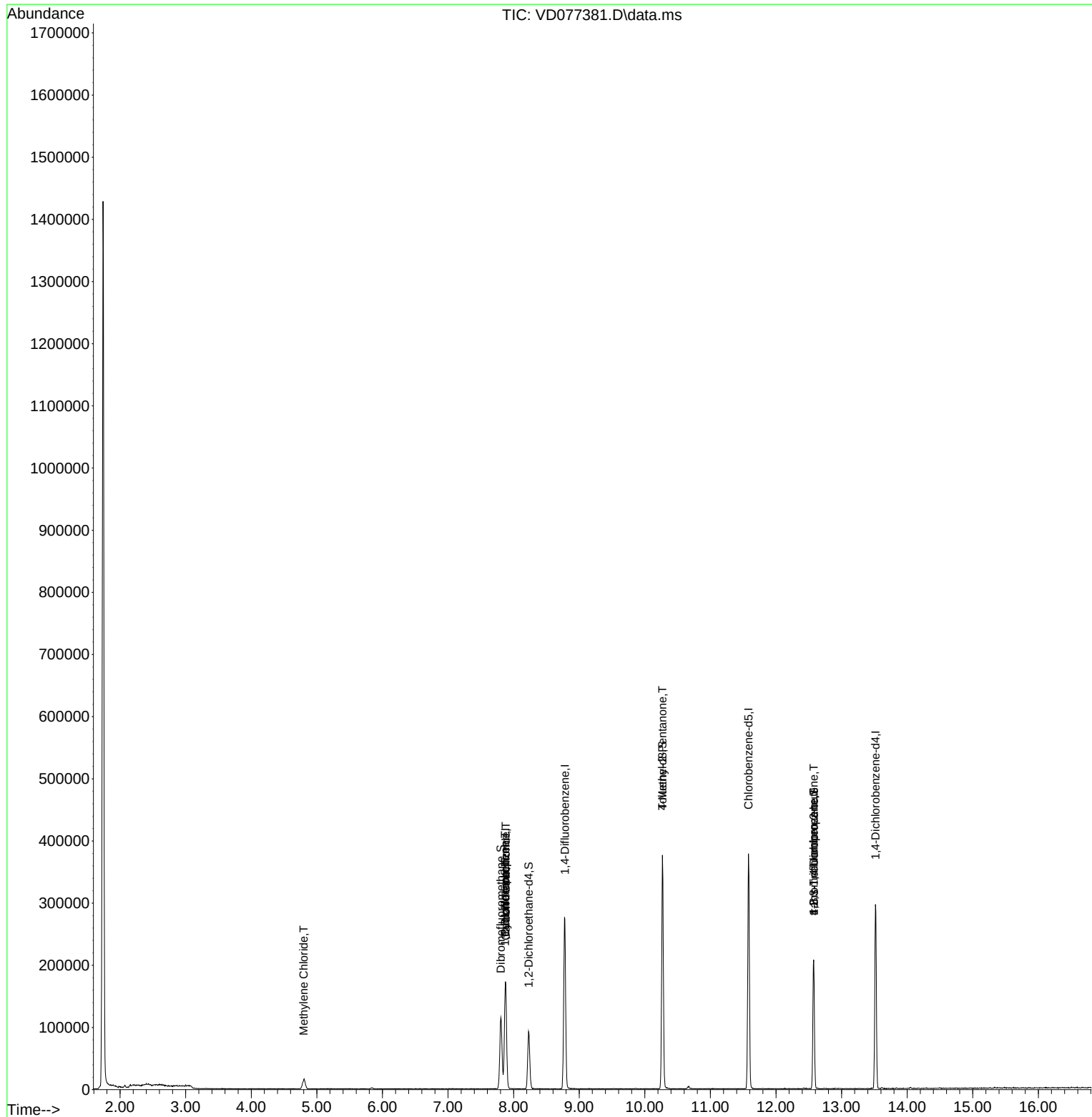
Internal Standards						
1) Pentafluorobenzene	7.875	168	139329	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	263721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	234438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69086	55.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.060%	
35) Dibromofluoromethane	7.805	113	85378	46.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.160%	
50) Toluene-d8	10.269	98	264705	39.893	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 79.780%	
62) 4-Bromofluorobenzene	12.575	95	64574	33.808	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.620%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	13431	3.718	ug/l	# 87
31) Cyclohexane	7.875	56	2884	1.490	ug/l	# 47
36) 1,1-Dichloropropene	7.869	75	11178	4.592	ug/l	# 45
38) Carbon Tetrachloride	7.881	117	13265	4.898	ug/l	# 14
51) 4-Methyl-2-Pentanone	10.269	43	1052	1.524	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	32625	28.672	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	32625	99.804	ug/l	# 17

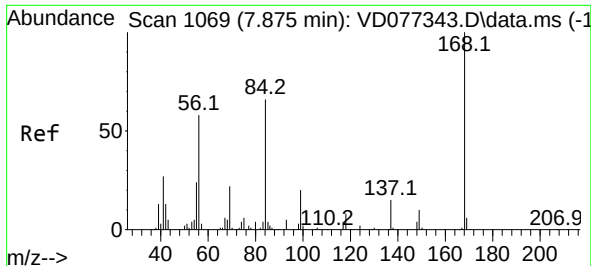
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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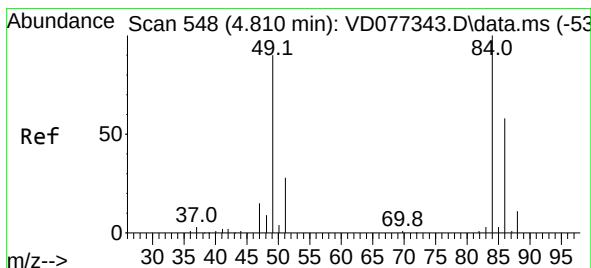
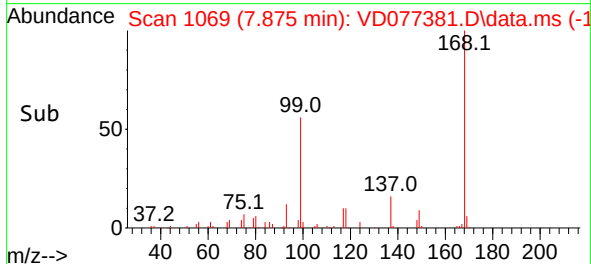
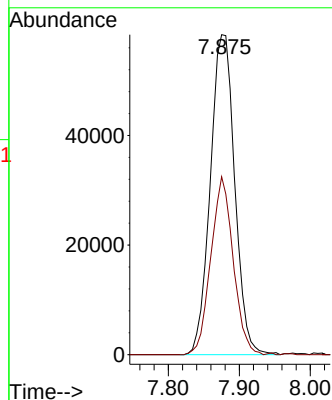
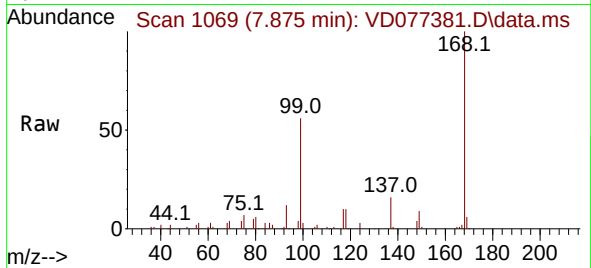




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

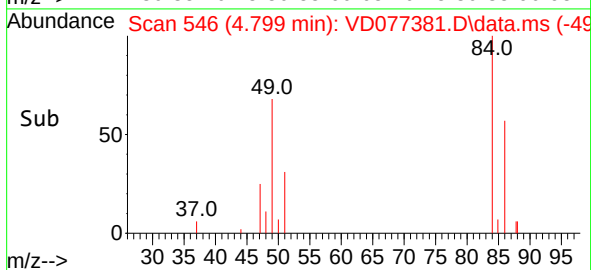
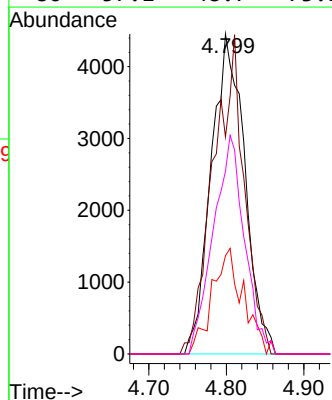
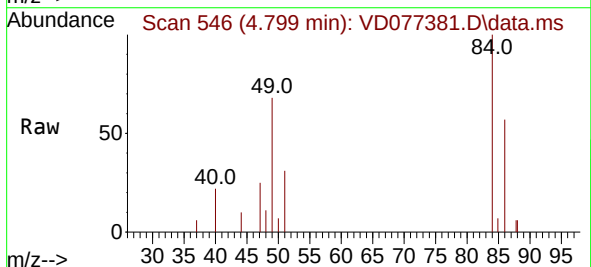
Instrument :
MSVOA_D
ClientSampleId :
NB-406-VOC-02RE

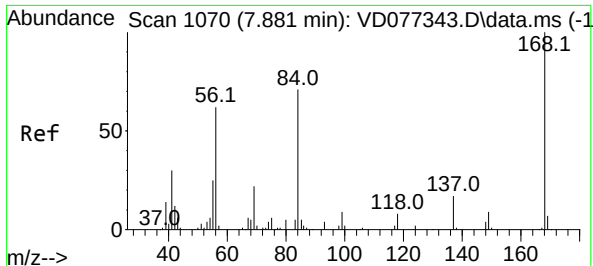
Tgt Ion:168 Resp: 139329
Ion Ratio Lower Upper
168 100
99 55.6 36.7 55.1#



#20
Methylene Chloride
Concen: 3.718 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

Tgt Ion: 84 Resp: 13431
Ion Ratio Lower Upper
84 100
49 67.8 71.4 107.2#
51 30.7 24.5 36.7
86 57.1 48.7 73.1

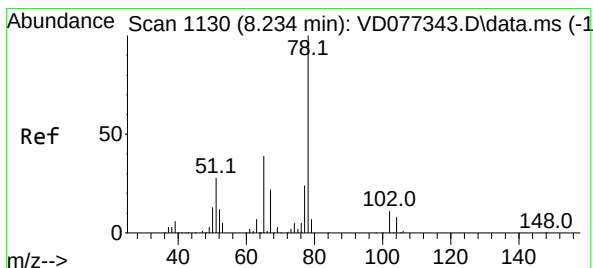
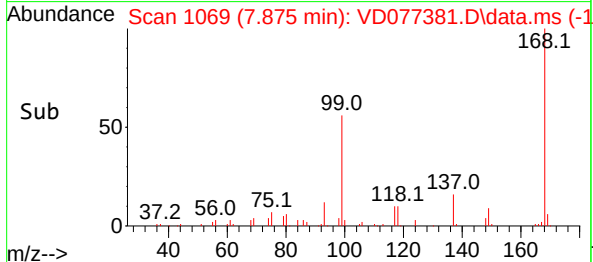
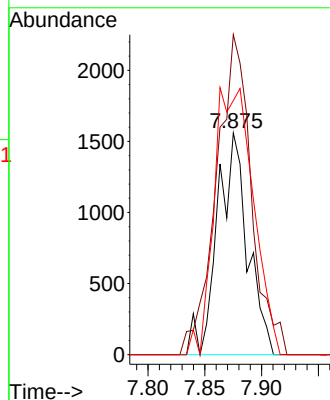
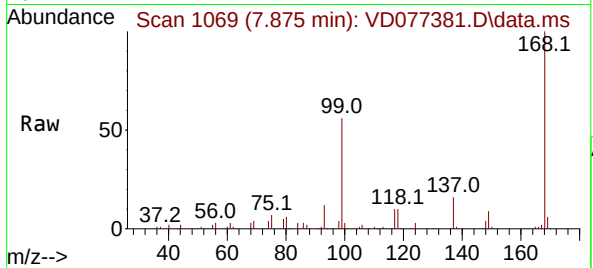




#31
Cyclohexane
Concen: 1.490 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

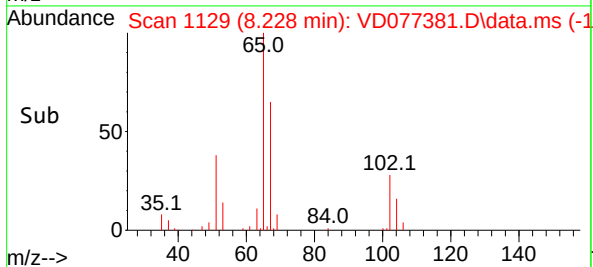
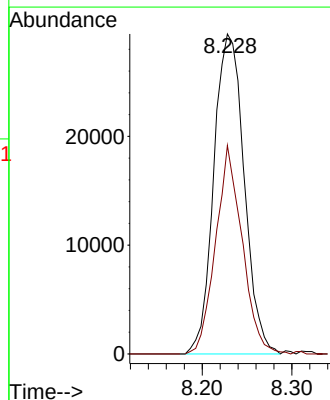
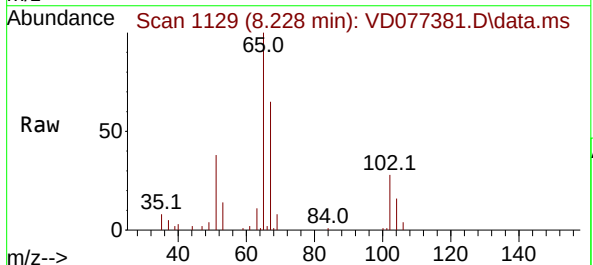
Instrument :
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ClientSampleId :
NB-406-VOC-02RE

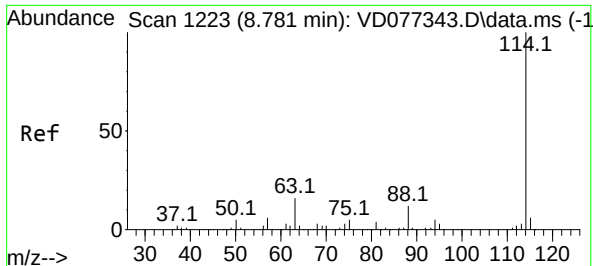
Tgt Ion: 56 Resp: 2884
Ion Ratio Lower Upper
56 100
69 144.3 28.6 43.0#
84 114.6 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 55.530 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

Tgt Ion: 65 Resp: 69086
Ion Ratio Lower Upper
65 100
67 57.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077381.D

Acq: 23 Oct 2023 15:14

Instrument :

MSVOA_D

ClientSampleId :

NB-406-VOC-02RE

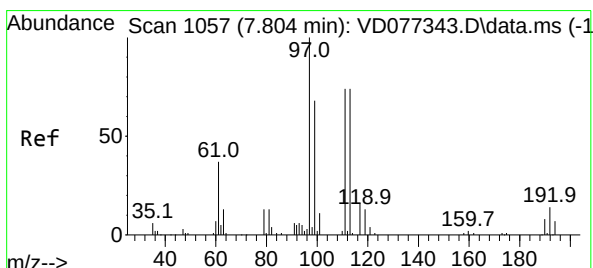
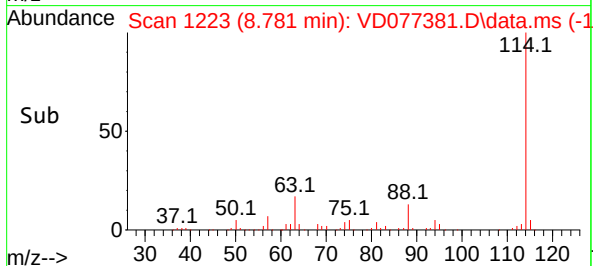
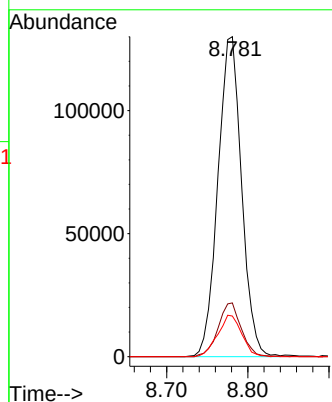
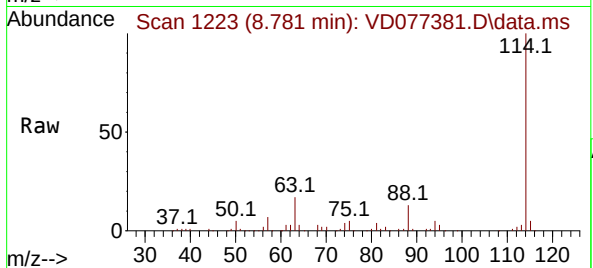
Tgt Ion:114 Resp: 263721

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 12.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.082 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077381.D

Acq: 23 Oct 2023 15:14

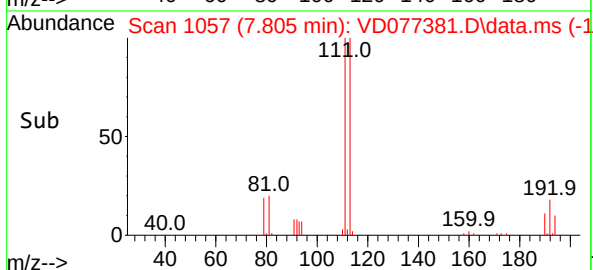
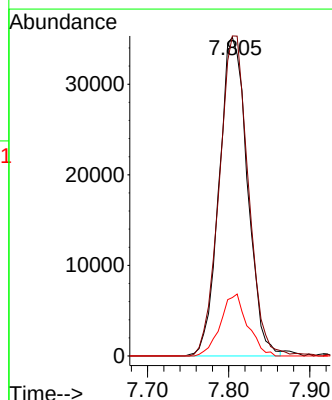
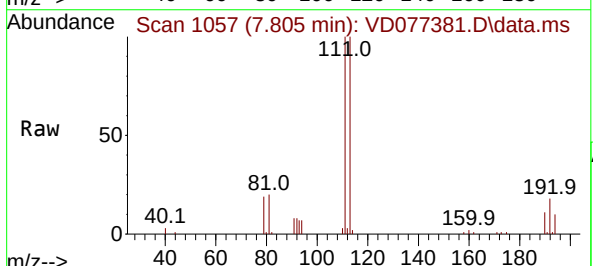
Tgt Ion:113 Resp: 85378

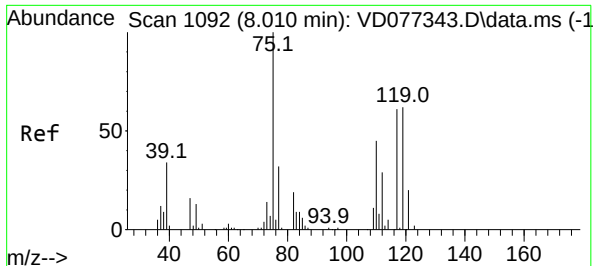
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 18.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD077381.D

Acq: 23 Oct 2023 15:14

Instrument :

MSVOA_D

ClientSampleId :

NB-406-VOC-02RE

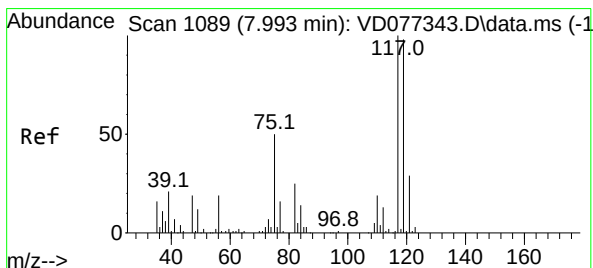
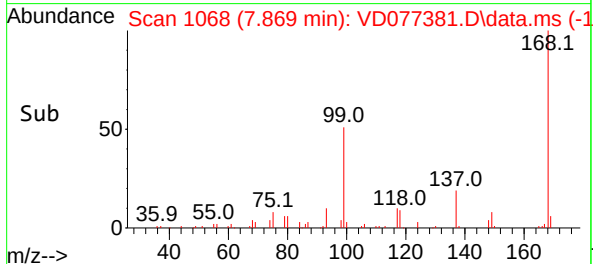
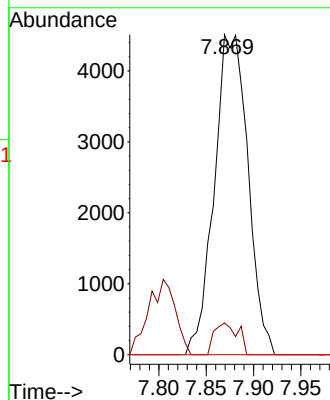
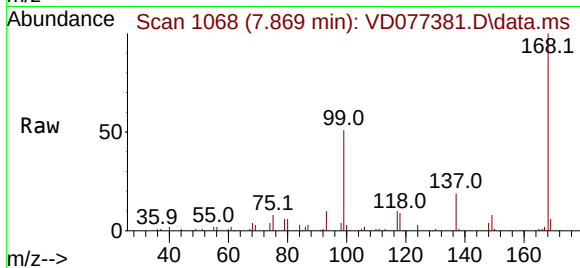
Tgt Ion: 75 Resp: 11178

Ion Ratio Lower Upper

75 100

110 7.0 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.898 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077381.D

Acq: 23 Oct 2023 15:14

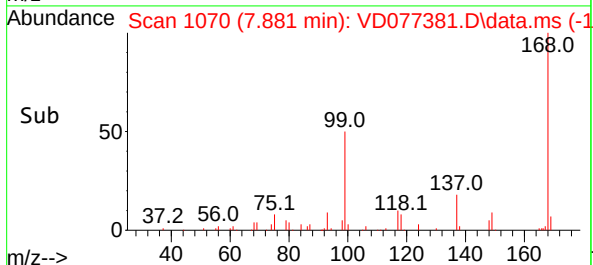
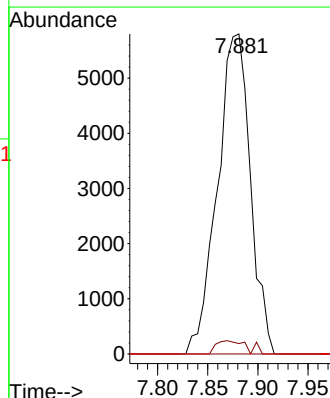
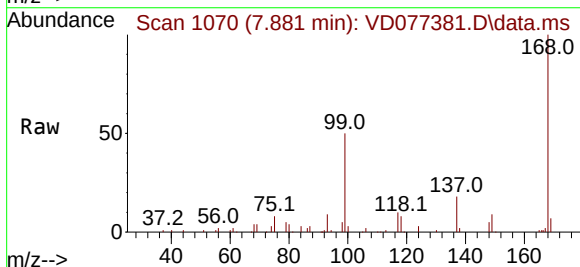
Tgt Ion: 117 Resp: 13265

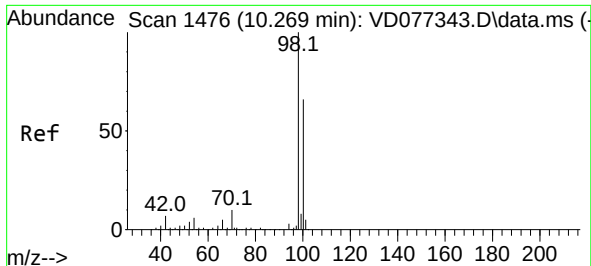
Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

121 0.0 24.2 36.2#

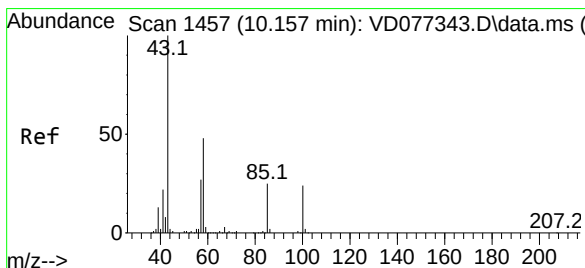
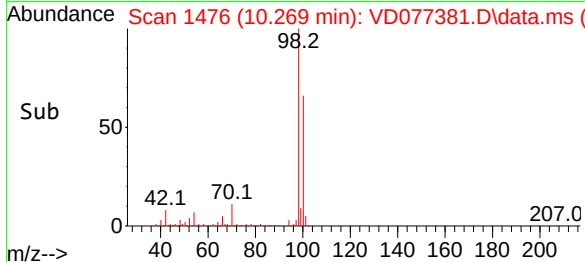
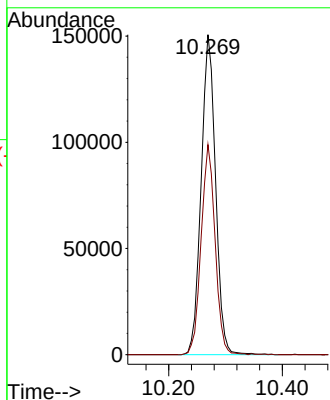
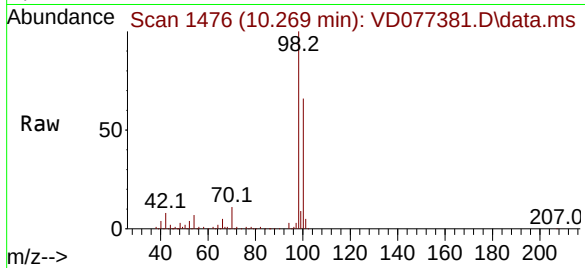




#50
Toluene-d8
Concen: 39.893 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

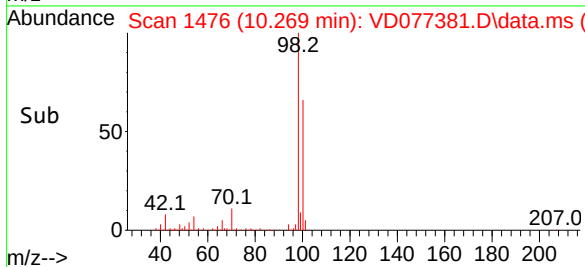
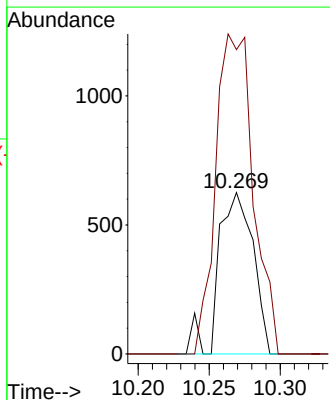
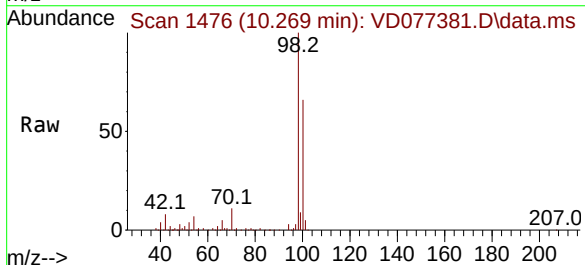
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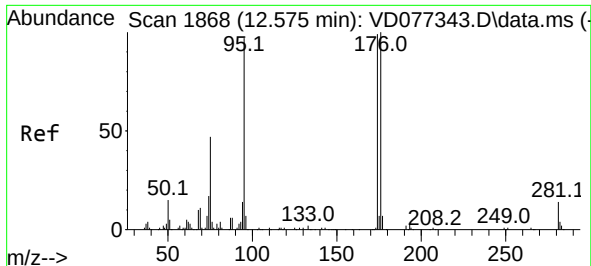
Tgt Ion: 98 Resp: 264705
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.524 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 216.8 38.9 58.3#

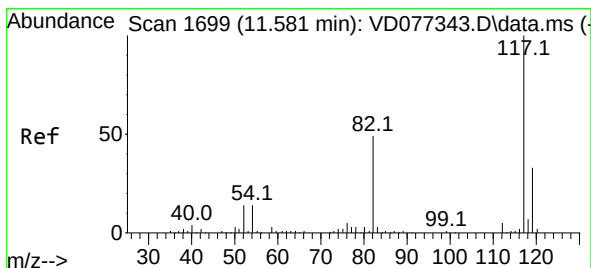
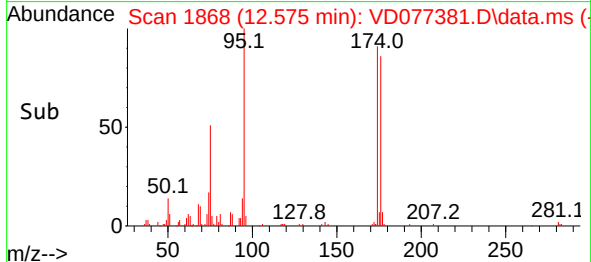
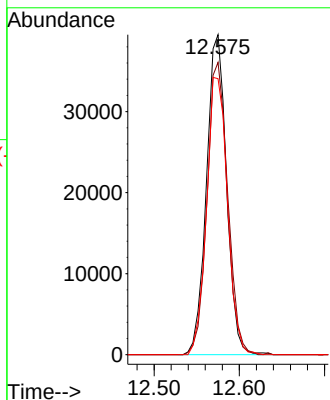
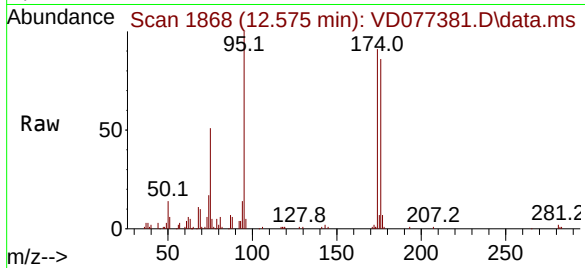




#62
4-Bromofluorobenzene
Concen: 33.808 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

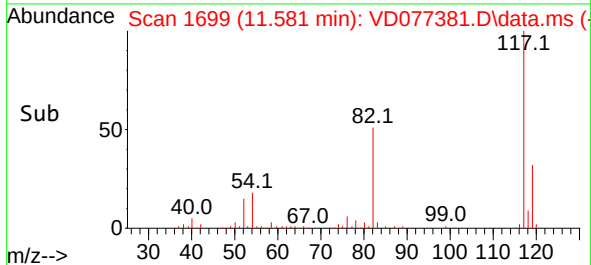
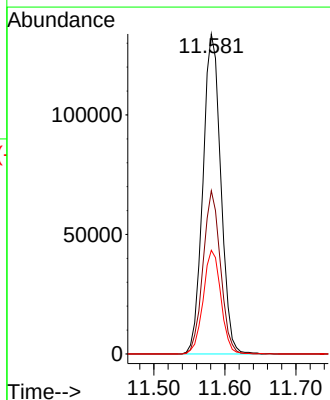
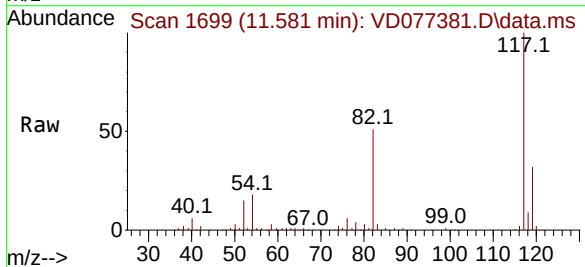
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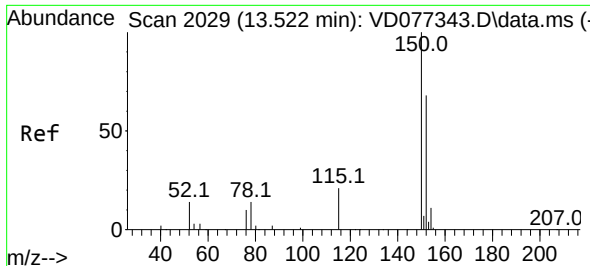
Tgt Ion: 95 Resp: 64574
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 90.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077381.D
Acq: 23 Oct 2023 15:14

Tgt Ion: 117 Resp: 234438
Ion Ratio Lower Upper
117 100
82 51.0 38.3 57.5
119 32.4 25.0 37.4

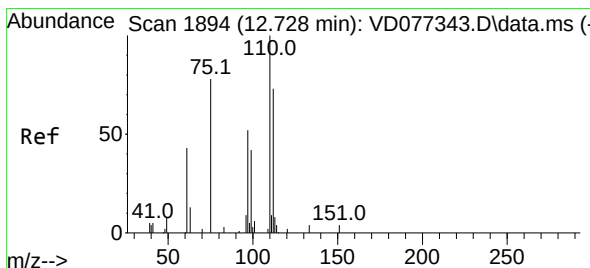
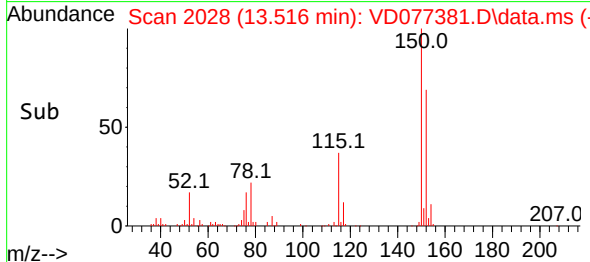
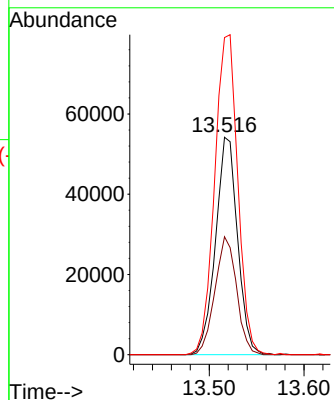
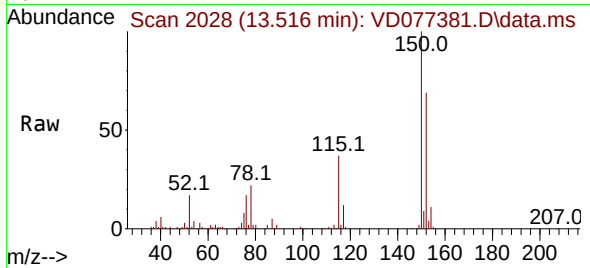




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD077381.D
 Acq: 23 Oct 2023 15:14

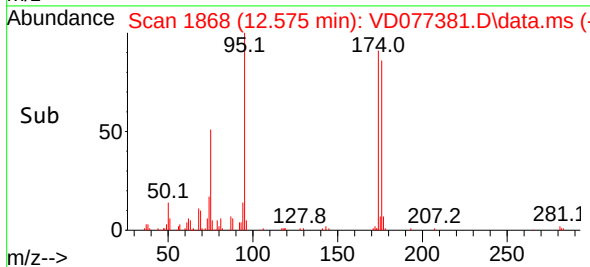
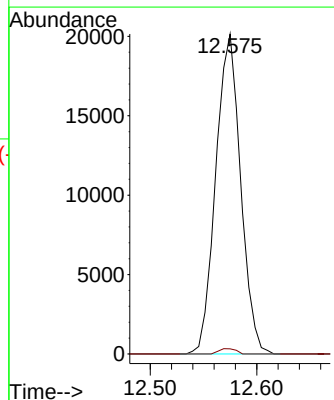
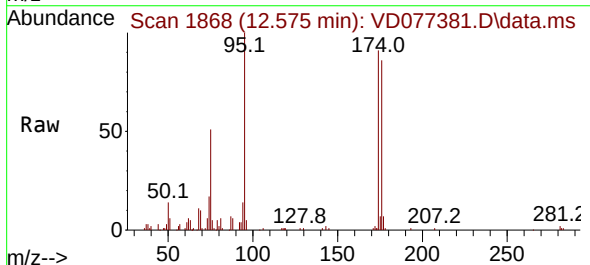
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-406-VOC-02RE

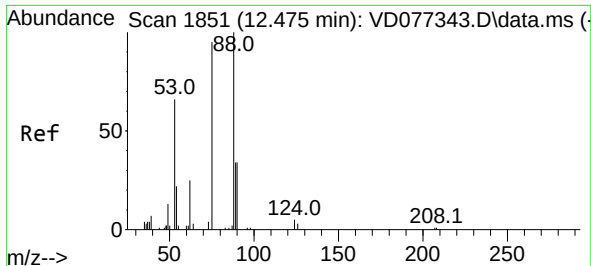
Tgt Ion:152 Resp: 87592
 Ion Ratio Lower Upper
 152 100
 115 53.4 27.1 81.3
 150 154.3 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 28.672 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077381.D
 Acq: 23 Oct 2023 15:14

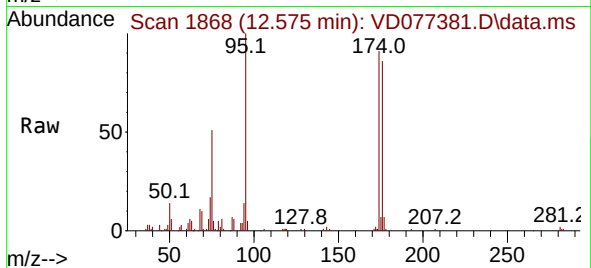
Tgt Ion: 75 Resp: 32625
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.804 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077381.D
 Acq: 23 Oct 2023 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-406-VOC-02RE



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

