

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076420.D
 Acq On : 14 Jun 2023 16:03
 Operator : KP/SY
 Sample : 03222-05
 Misc : 12.75G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-33

Quant Time: Jun 15 05:33:49 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)

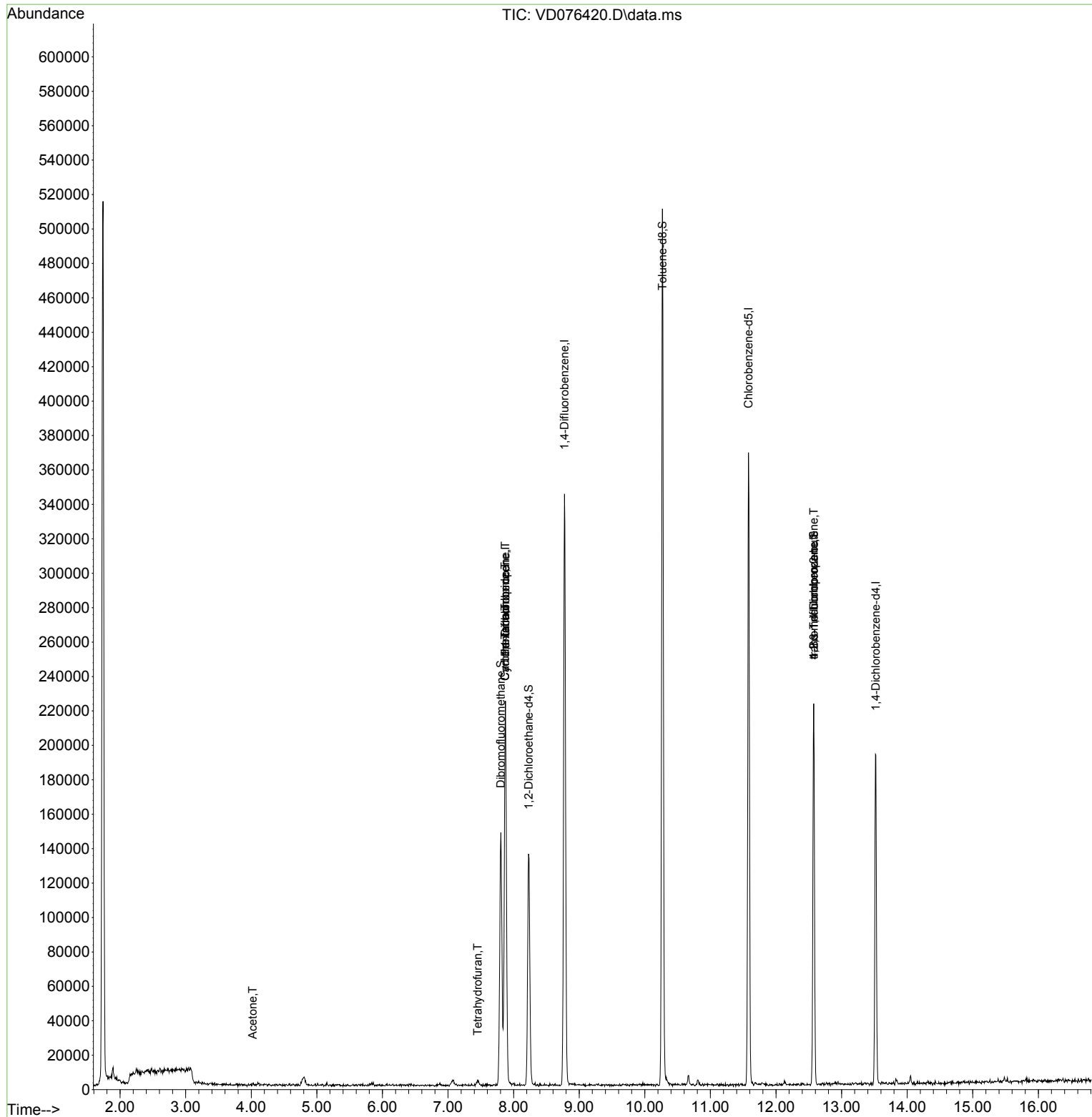
Internal Standards						
1) Pentafluorobenzene	7.875	168	176956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	302578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	208885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	50959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103832	50.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.600%	
35) Dibromofluoromethane	7.805	113	103994	53.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.360%	
50) Toluene-d8	10.269	98	347140	46.842	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.680%	
62) 4-Bromofluorobenzene	12.575	95	69038	27.155	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 54.300%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	861	1.916	ug/l #	85
20) Methylene Chloride	4.799	84	3545	Below Cal	#	74
29) Tetrahydrofuran	7.452	42	2483	5.538	ug/l #	52
31) Cyclohexane	7.869	56	4480	1.370	ug/l #	53
36) 1,1-Dichloropropene	7.875	75	13793	4.832	ug/l #	46
38) Carbon Tetrachloride	7.869	117	17614	6.646	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	35961	75.484	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	35961	135.149	ug/l #	18

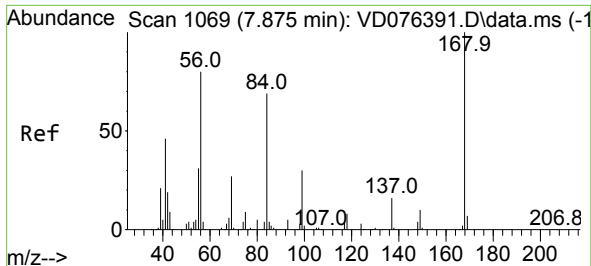
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
Response via : Initial Calibration

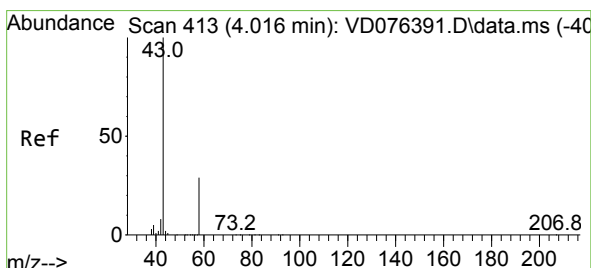
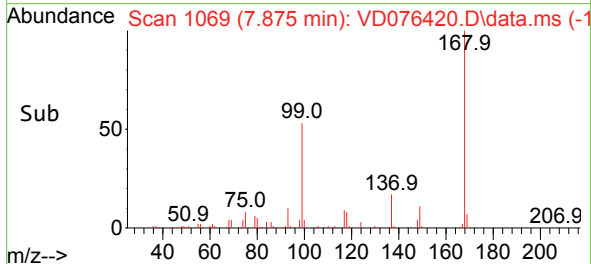
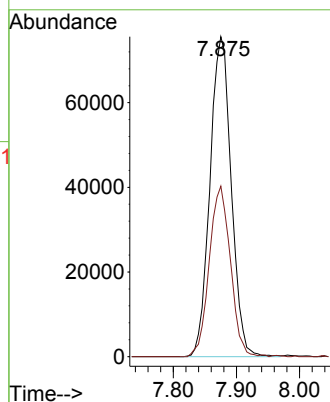
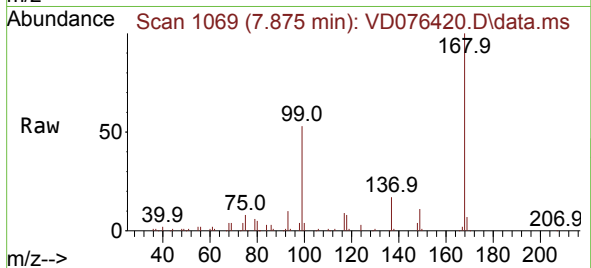




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

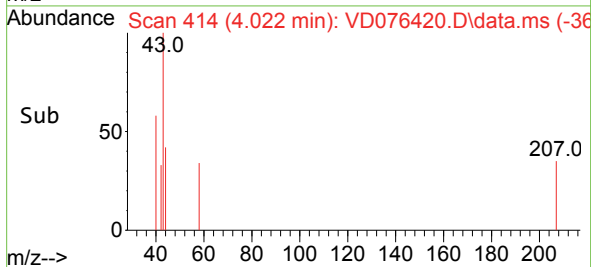
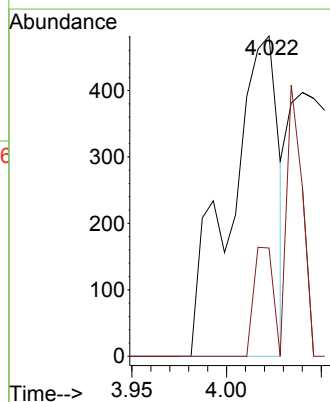
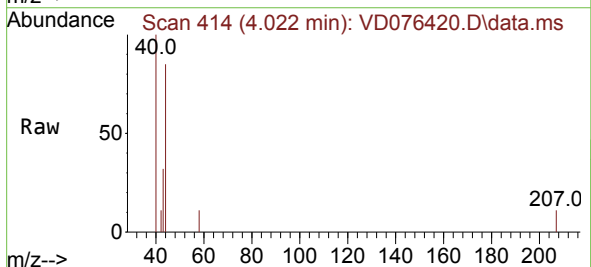
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

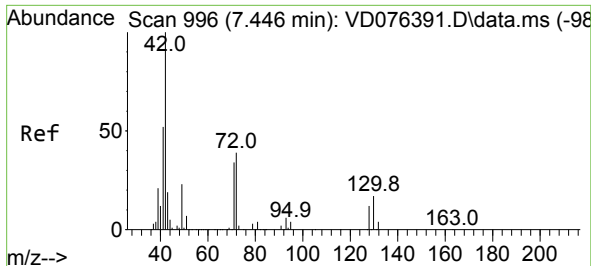
Tgt Ion:168 Resp: 176956
Ion Ratio Lower Upper
168 100
99 53.3 36.7 55.1



#16
Acetone
Concen: 1.916 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 33.8 34.7 52.1#

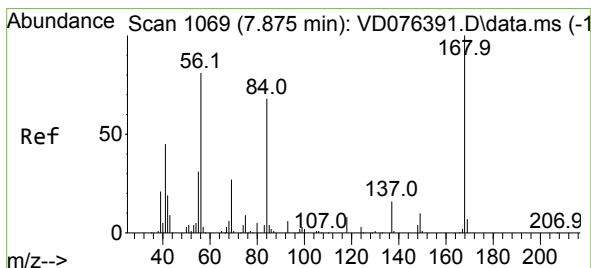
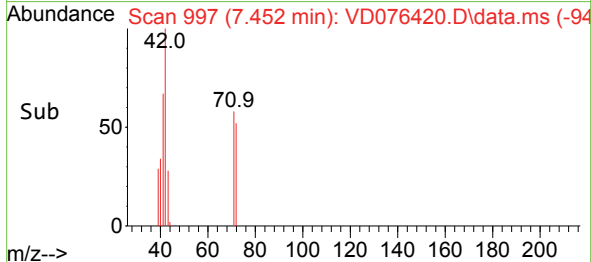
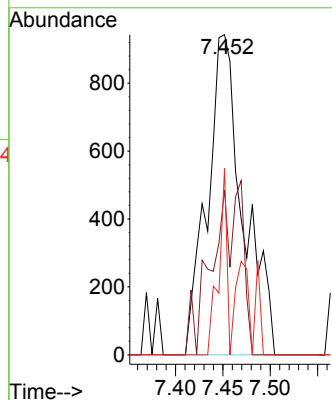
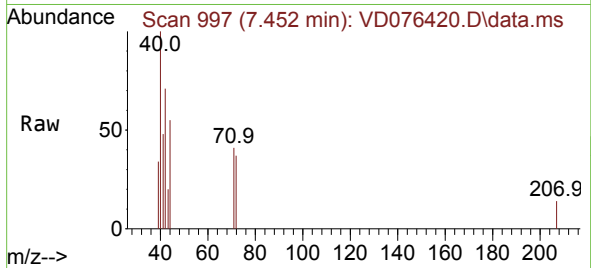




#29
Tetrahydrofuran
Concen: 5.538 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

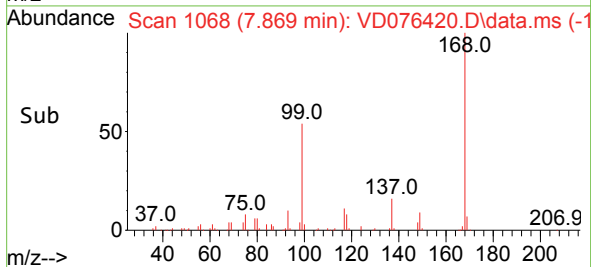
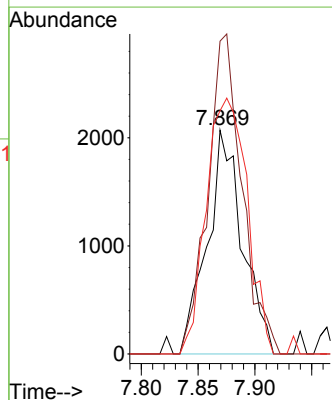
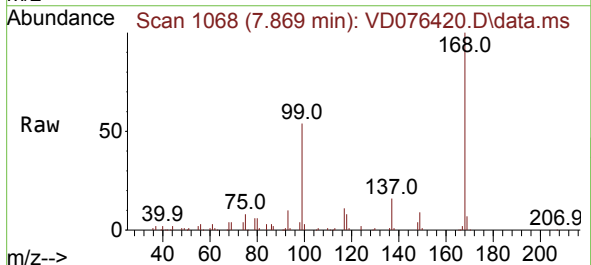
Instrument :
MSVOA_D
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TOTAL-VOC-GRAB-4-SB-33

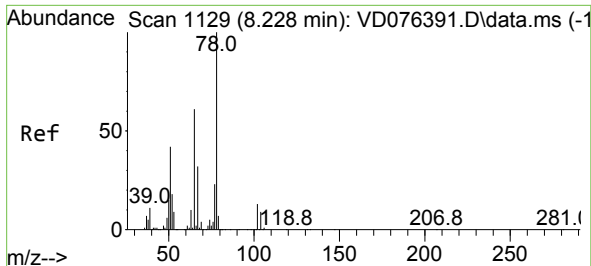
Tgt Ion: 42 Resp: 2483
Ion Ratio Lower Upper
42 100
72 29.0 46.5 69.7#
71 13.3 44.5 66.7#



#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

Tgt Ion: 56 Resp: 4480
Ion Ratio Lower Upper
56 100
69 139.8 28.6 43.0#
84 108.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 50.801 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076420.D

Acq: 14 Jun 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

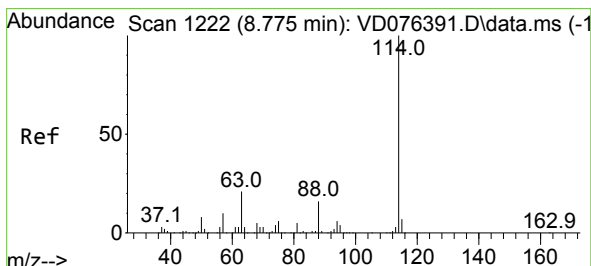
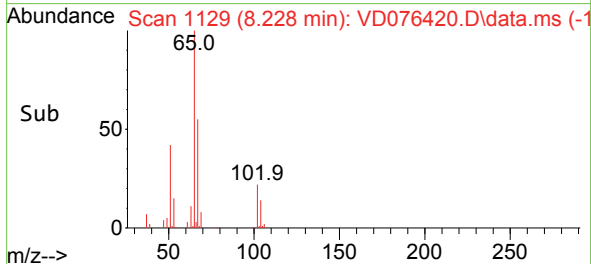
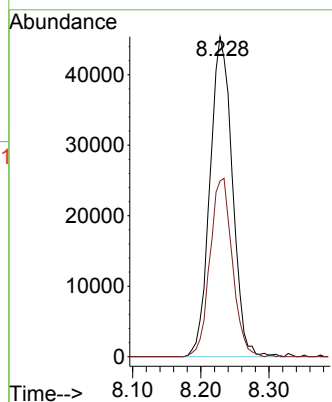
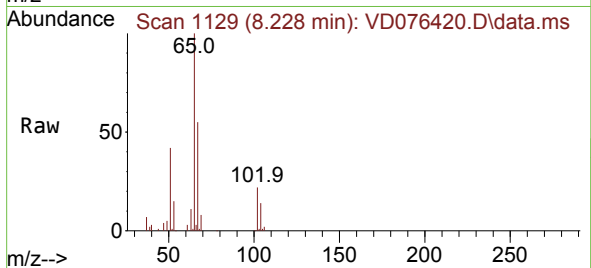
TOTAL-VOC-GRAB-4-SB-33

Tgt Ion: 65 Resp: 103832

Ion Ratio Lower Upper

65 100

67 55.7 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: VD076420.D

Acq: 14 Jun 2023 16:03

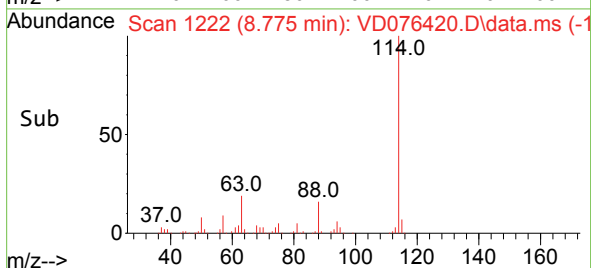
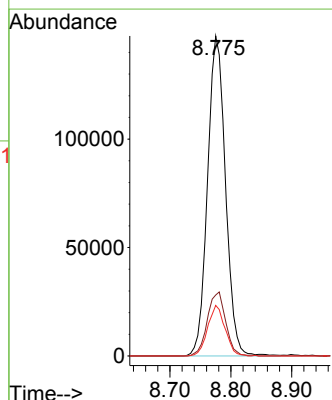
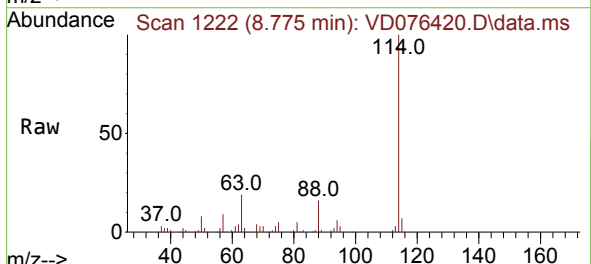
Tgt Ion: 114 Resp: 302578

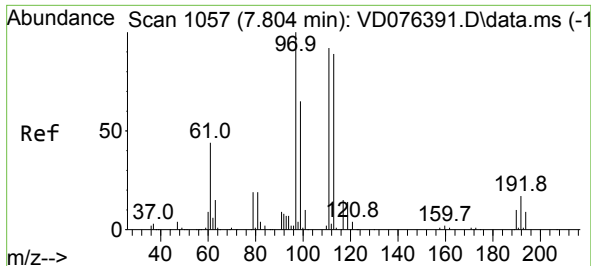
Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 15.8 0.0 26.2

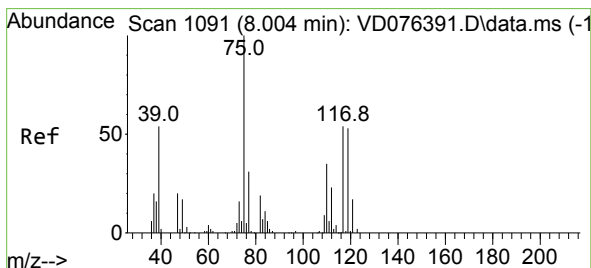
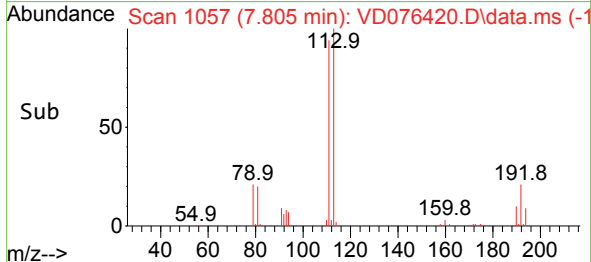
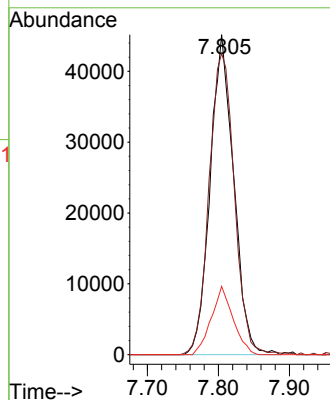
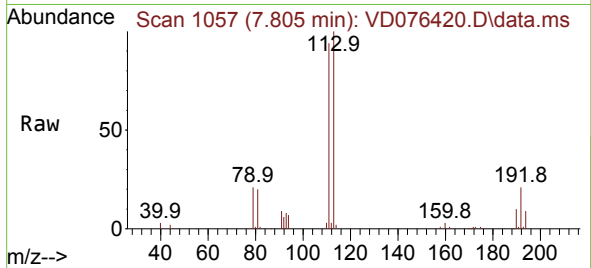




#35
Dibromofluoromethane
Concen: 53.178 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

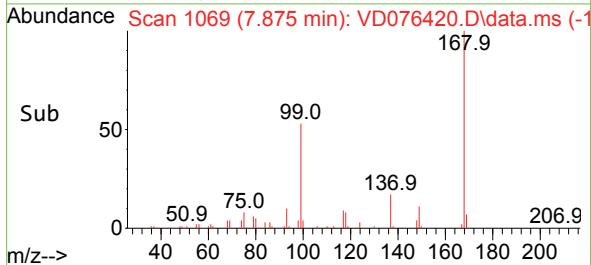
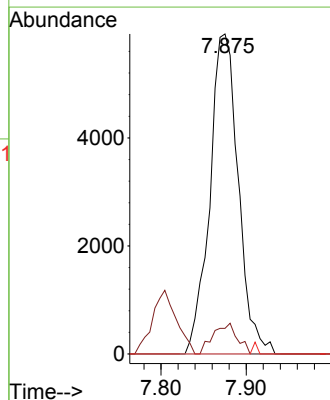
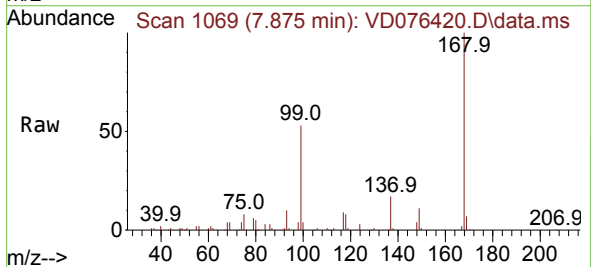
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

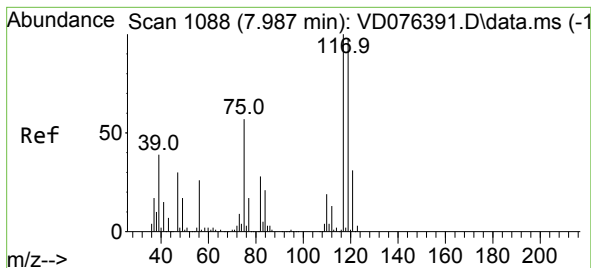
Tgt Ion:113 Resp: 103994
Ion Ratio Lower Upper
113 100
111 100.9 84.7 127.1
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.832 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076420.D
Acq: 14 Jun 2023 16:03

Tgt Ion: 75 Resp: 13793
Ion Ratio Lower Upper
75 100
110 8.1 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.117 min

Lab File: VD076420.D

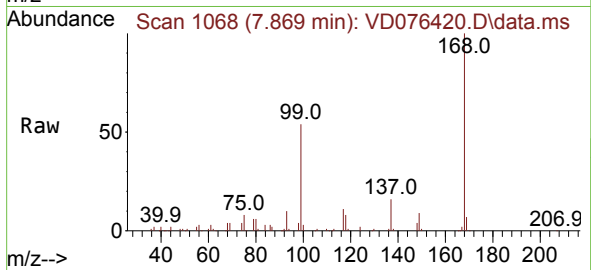
Acq: 14 Jun 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-33



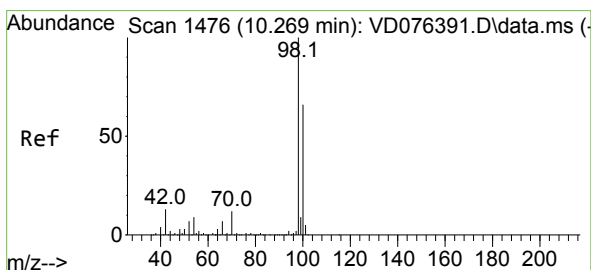
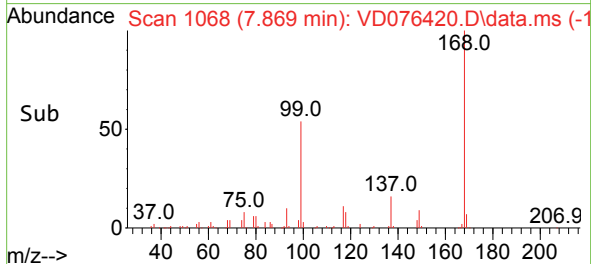
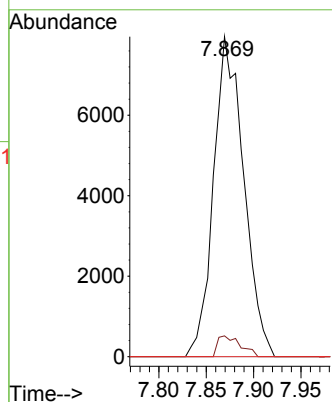
Tgt Ion:117 Resp: 17614

Ion Ratio Lower Upper

117 100

119 6.5 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.842 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076420.D

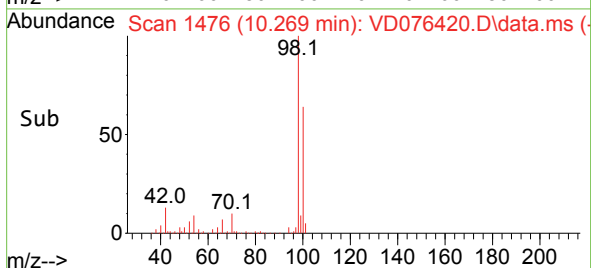
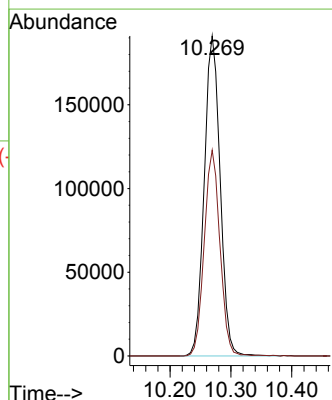
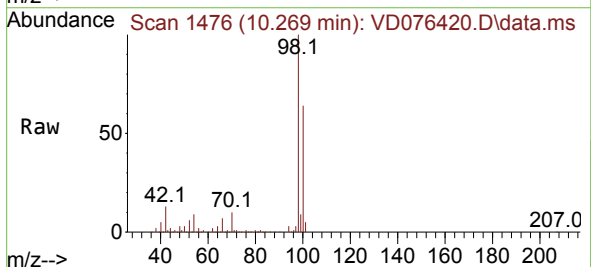
Acq: 14 Jun 2023 16:03

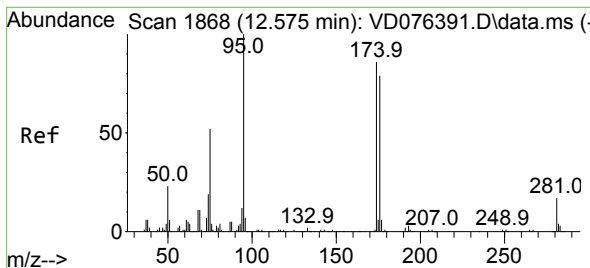
Tgt Ion: 98 Resp: 347140

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 27.155 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD076420.D

Acq: 14 Jun 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-33

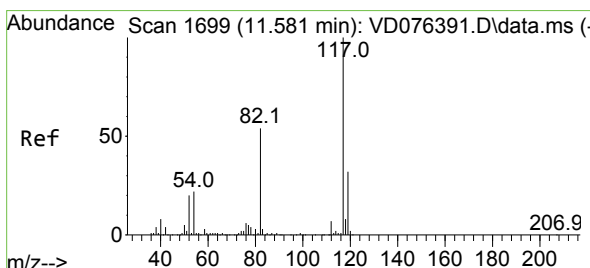
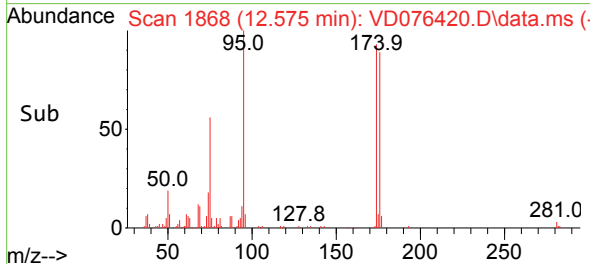
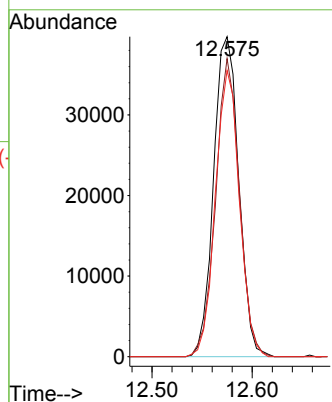
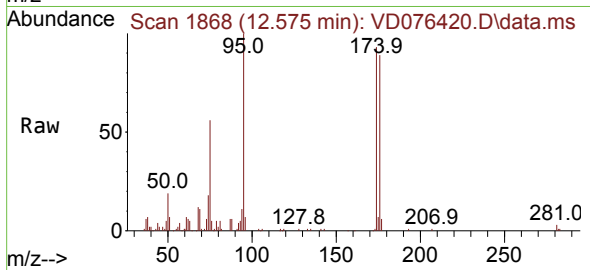
Tgt Ion: 95 Resp: 69038

Ion Ratio Lower Upper

95 100

174 88.4 0.0 201.8

176 85.8 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: VD076420.D

Acq: 14 Jun 2023 16:03

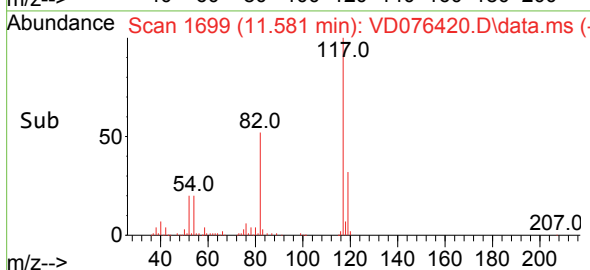
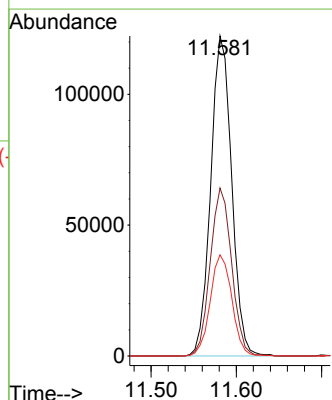
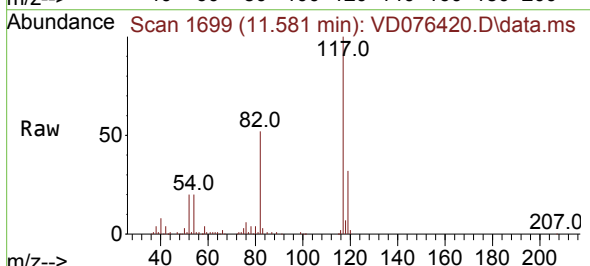
Tgt Ion: 117 Resp: 208885

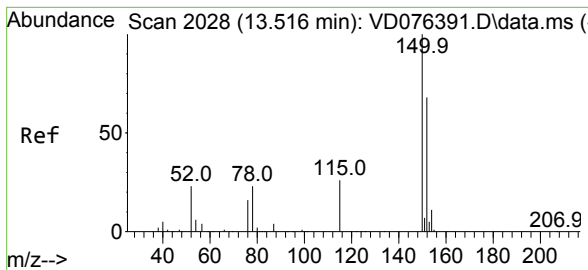
Ion Ratio Lower Upper

117 100

82 52.5 38.3 57.5

119 31.6 25.0 37.4

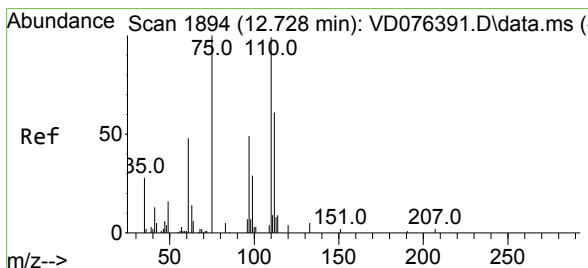
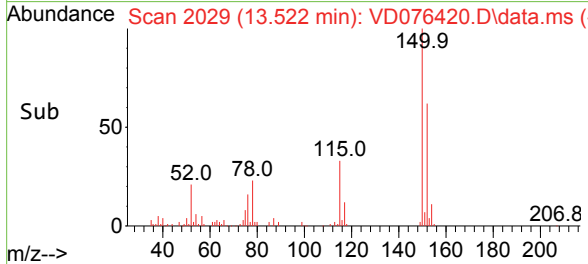
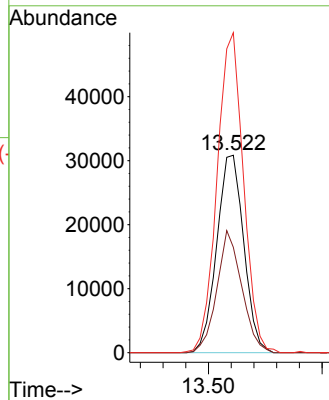
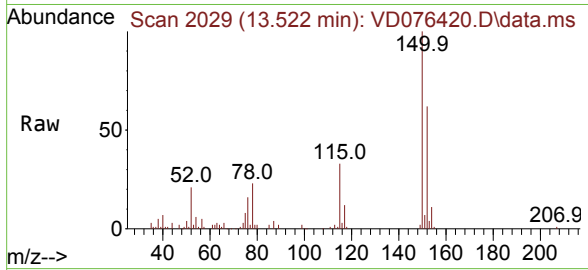




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD076420.D
 Acq: 14 Jun 2023 16:03

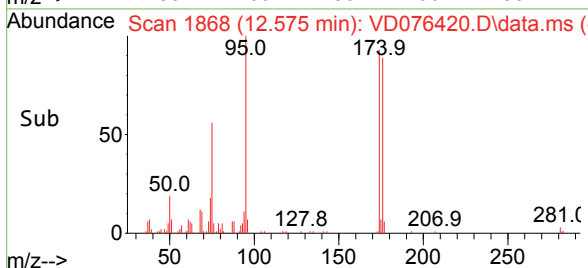
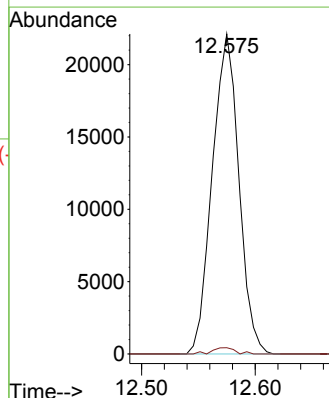
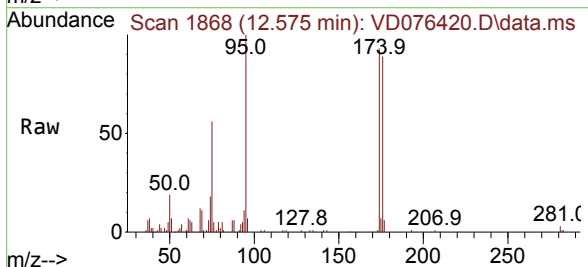
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 TOTAL-VOC-GRAB-4-SB-33

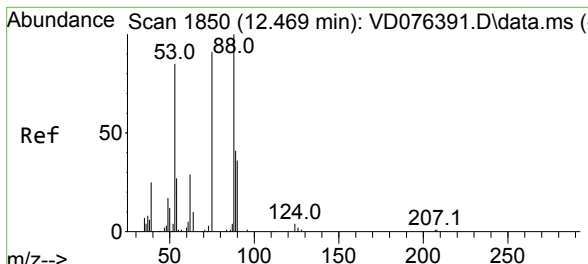
Tgt Ion:152 Resp: 50959
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.1 81.3
 150 158.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 75.484 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076420.D
 Acq: 14 Jun 2023 16:03

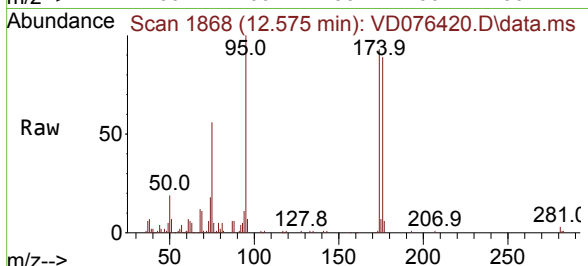
Tgt Ion: 75 Resp: 35961
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.149 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076420.D
 Acq: 14 Jun 2023 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-33



Tgt Ion:	75	Resp:	35961
Ion	Ratio	Lower	Upper
75	100		
53	0.4	63.0	94.4#
89	0.0	37.9	56.9#

