

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076421.D
 Acq On : 14 Jun 2023 16:33
 Operator : KP/SY
 Sample : 03222-06
 Misc : 8.32G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-5-SB-33

Quant Time: Jun 15 05:34:11 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)

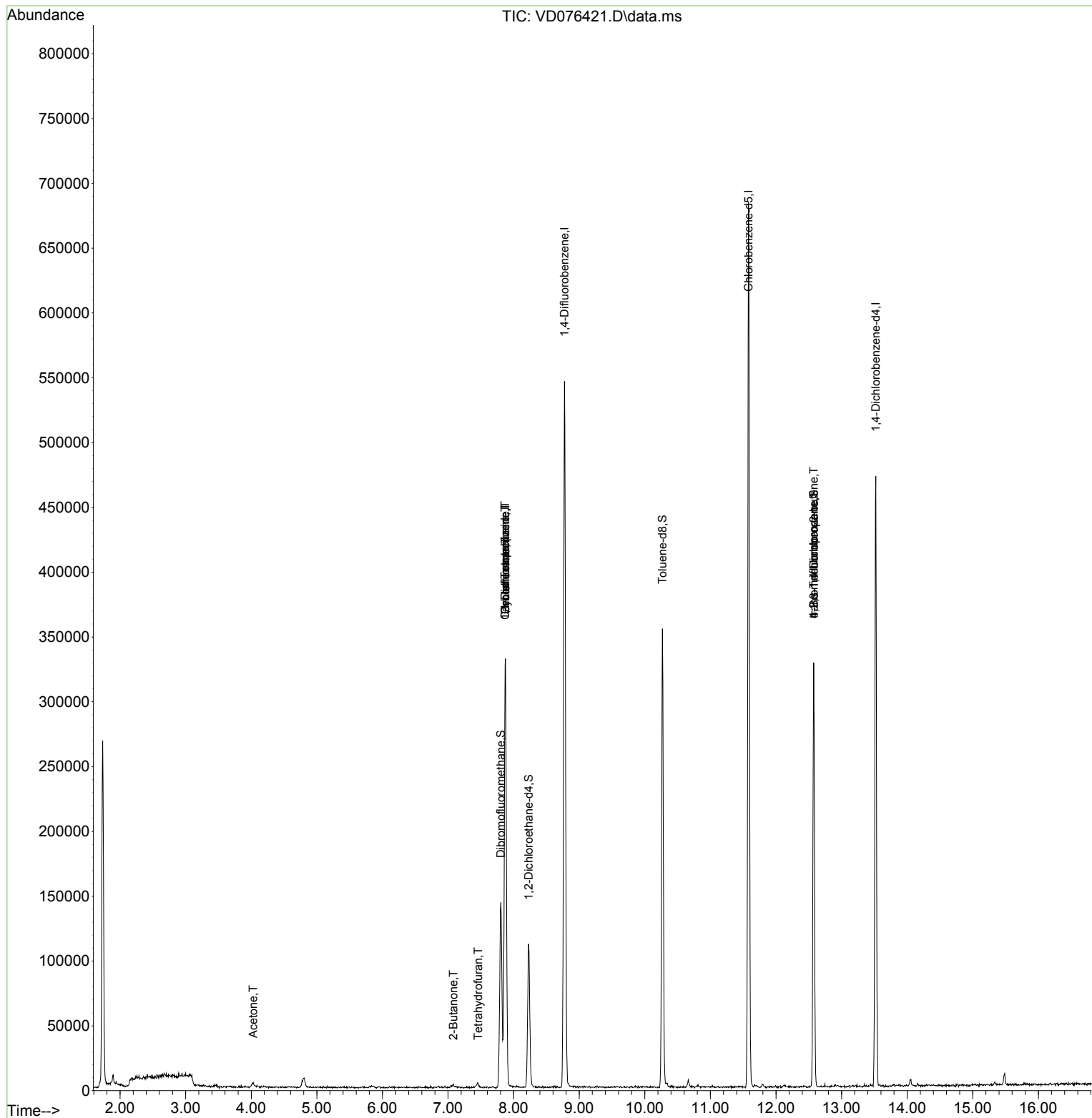
Internal Standards						
1) Pentafluorobenzene	7.875	168	261165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	484118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	380880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	125776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81631	27.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.120%
35) Dibromofluoromethane	7.805	113	102477	32.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	65.500%
50) Toluene-d8	10.269	98	238122	20.082	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.160%#
62) 4-Bromofluorobenzene	12.575	95	100372	24.675	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	49.360%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	6056	9.132	ug/l #	81
20) Methylene Chloride	4.793	84	5503	Below Cal	#	70
25) 2-Butanone	7.081	43	1087	1.048	ug/l #	37
28) Bromochloromethane	7.493	49	67	Below Cal	#	1
29) Tetrahydrofuran	7.457	42	2518	3.805	ug/l #	40
31) Cyclohexane	7.875	56	6021	1.247	ug/l #	53
36) 1,1-Dichloropropene	7.869	75	21260	4.655	ug/l #	48
38) Carbon Tetrachloride	7.869	117	24692	5.823	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	51812	44.063	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	51812	78.893	ug/l #	17

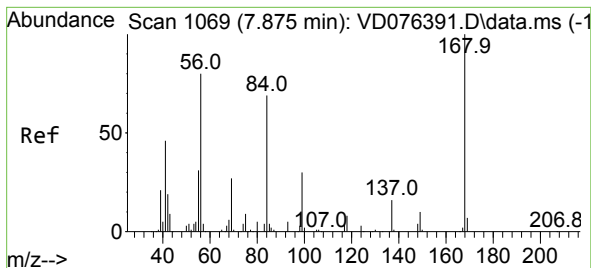
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TOTAL-VOC-GRAB-5-SB-33

Quant Time: Jun 15 05:34:11 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076421.D

Acq: 14 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

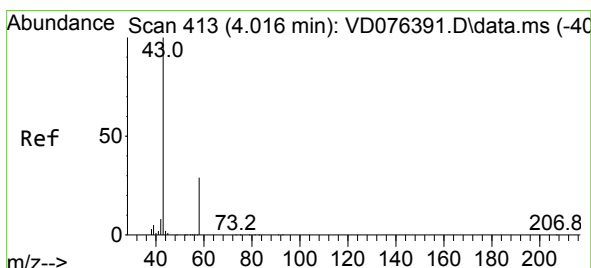
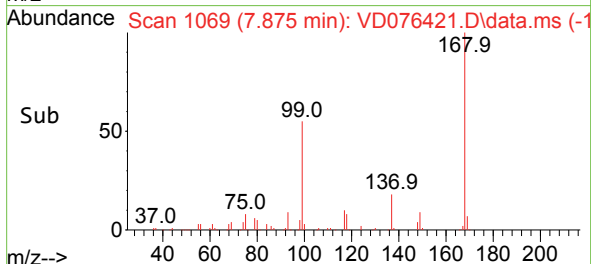
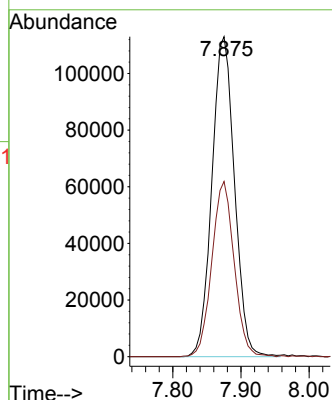
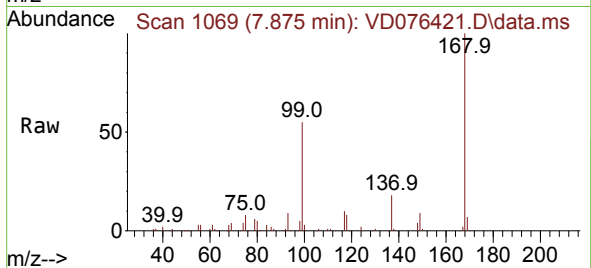
TOTAL-VOC-GRAB-5-SB-33

Tgt Ion:168 Resp: 261165

Ion Ratio Lower Upper

168 100

99 54.8 36.7 55.1



#16

Acetone

Concen: 9.132 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.012 min

Lab File: VD076421.D

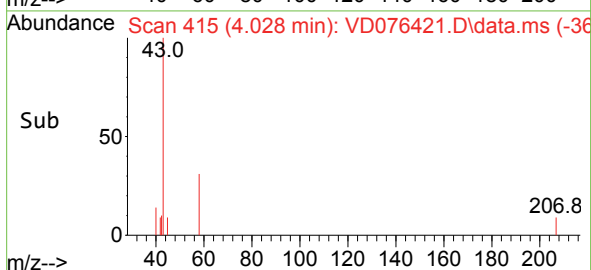
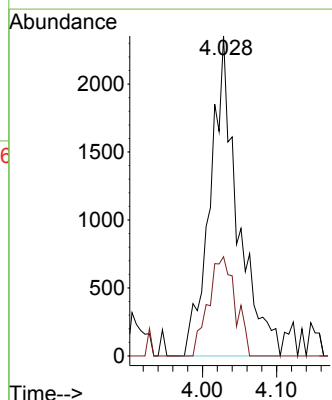
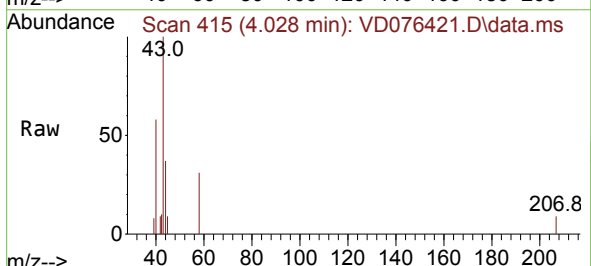
Acq: 14 Jun 2023 16:33

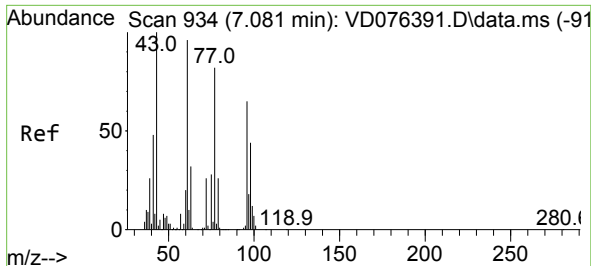
Tgt Ion: 43 Resp: 6056

Ion Ratio Lower Upper

43 100

58 31.0 34.7 52.1#





#25

2-Butanone

Concen: 1.048 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD076421.D

Acq: 14 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

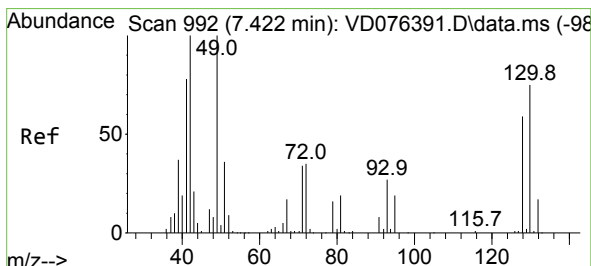
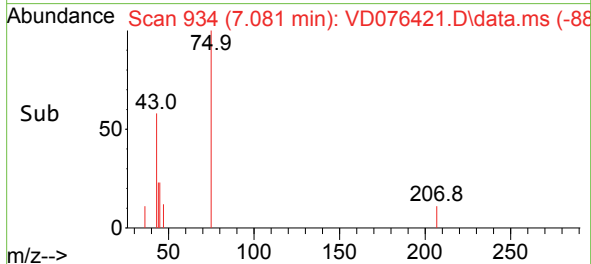
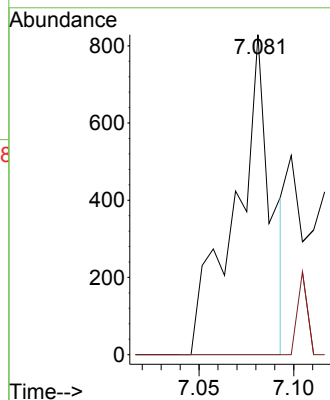
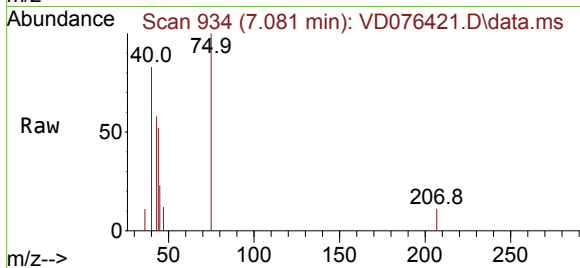
TOTAL-VOC-GRAB-5-SB-33

Tgt Ion: 43 Resp: 1087

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.493 min Scan# 1004

Delta R.T. 0.071 min

Lab File: VD076421.D

Acq: 14 Jun 2023 16:33

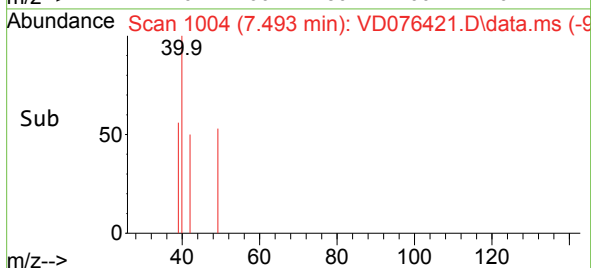
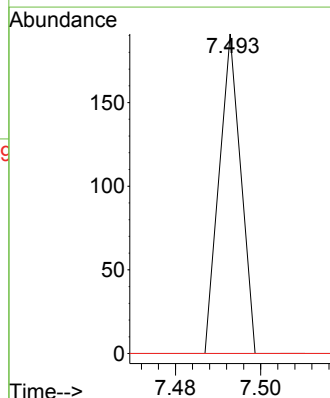
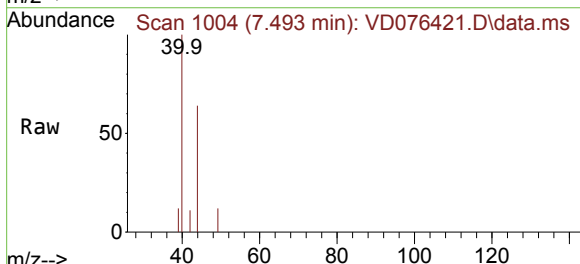
Tgt Ion: 49 Resp: 67

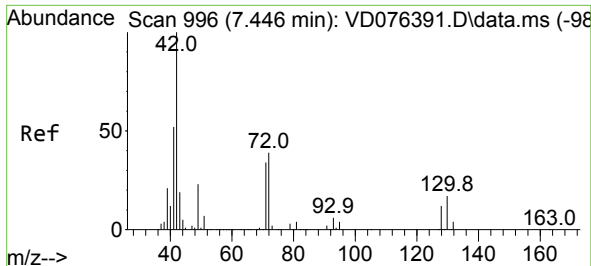
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 3.805 ug/l

RT: 7.457 min Scan# 996

Delta R.T. 0.012 min

Lab File: VD076421.D

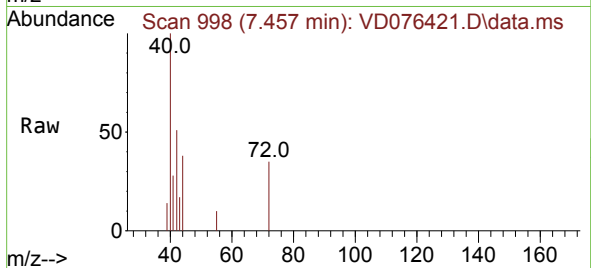
Acq: 14 Jun 2023 16:33

Instrument :

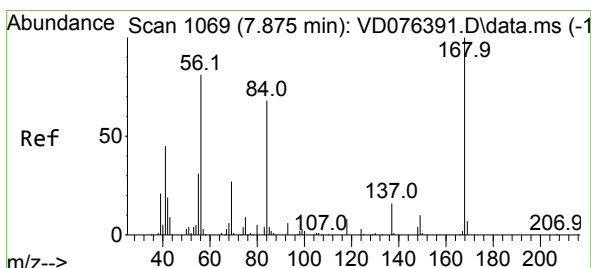
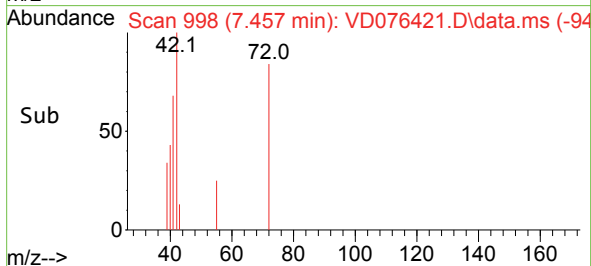
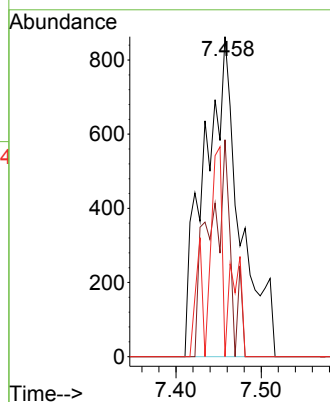
MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33



Tgt Ion:	42	Resp:	2518
Ion Ratio	Lower	Upper	
42	100		
72	0.0	46.5	69.7#
71	25.1	44.5	66.7#



#31

Cyclohexane

Concen: 1.247 ug/l

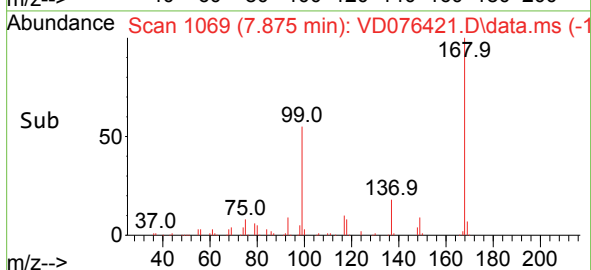
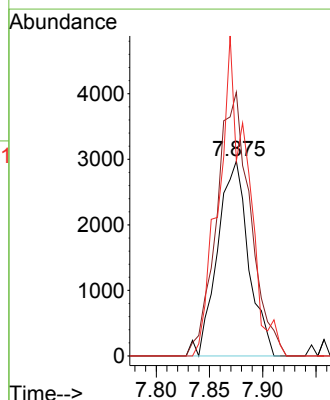
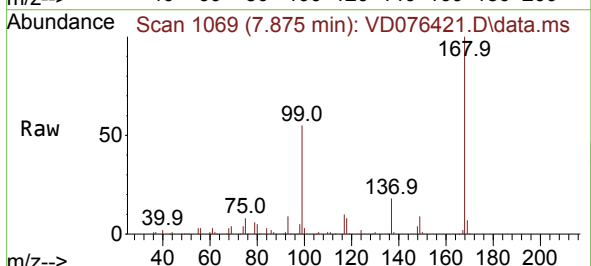
RT: 7.875 min Scan# 1069

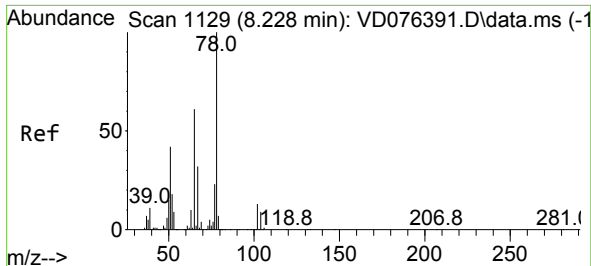
Delta R.T. 0.000 min

Lab File: VD076421.D

Acq: 14 Jun 2023 16:33

Tgt Ion:	56	Resp:	6021
Ion Ratio	Lower	Upper	
56	100		
69	135.4	28.6	43.0#
84	100.1	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 27.061 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076421.D

Acq: 14 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

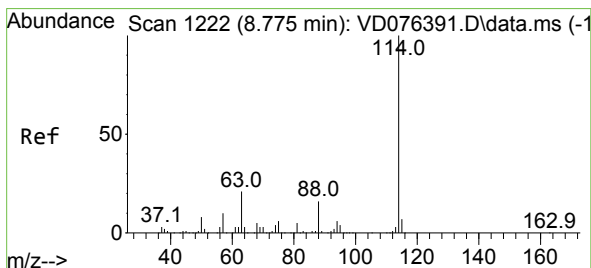
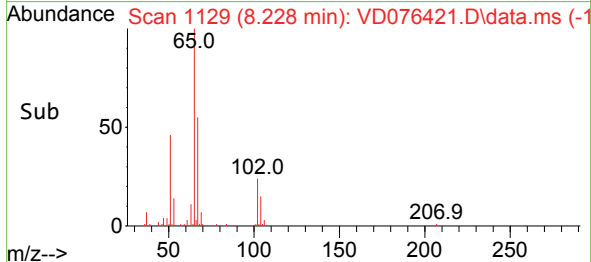
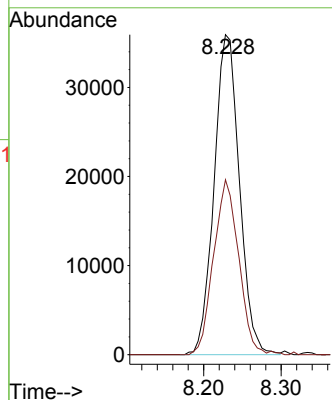
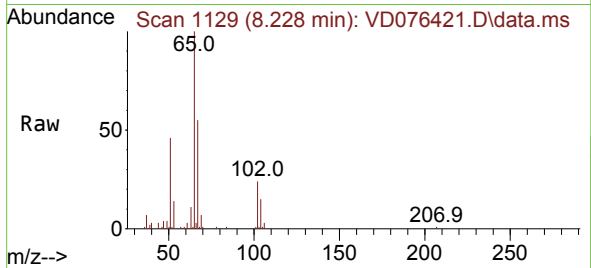
TOTAL-VOC-GRAB-5-SB-33

Tgt Ion: 65 Resp: 81631

Ion Ratio Lower Upper

65 100

67 54.3 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: VD076421.D

Acq: 14 Jun 2023 16:33

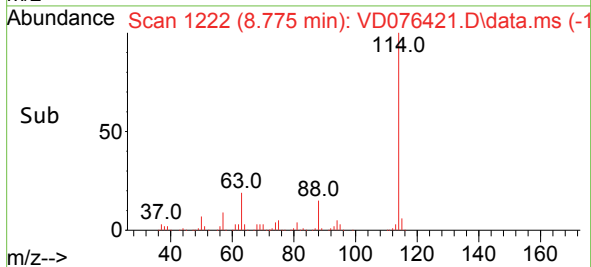
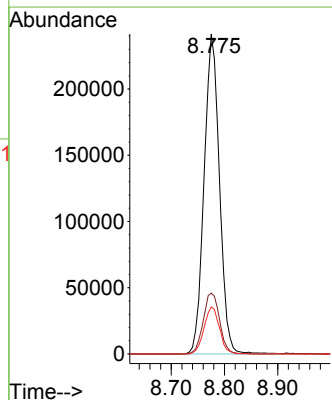
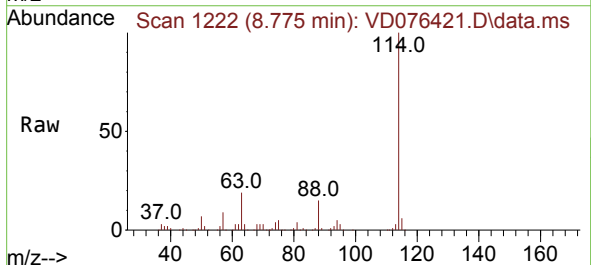
Tgt Ion: 114 Resp: 484118

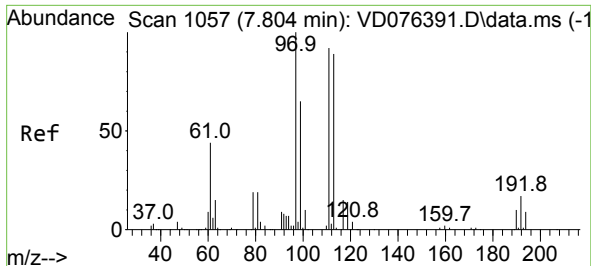
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 14.7 0.0 26.2

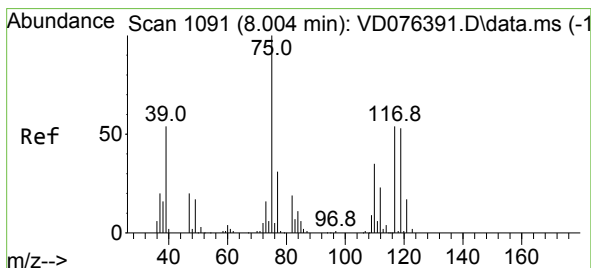
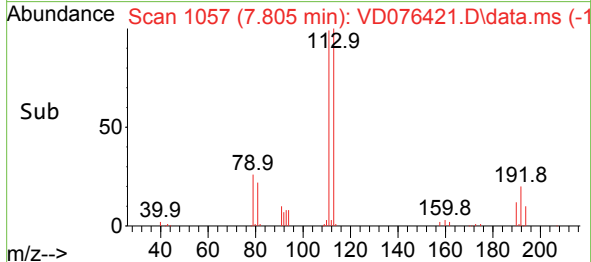
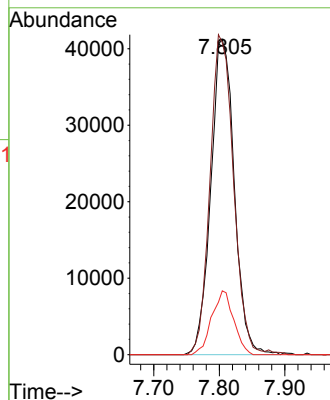
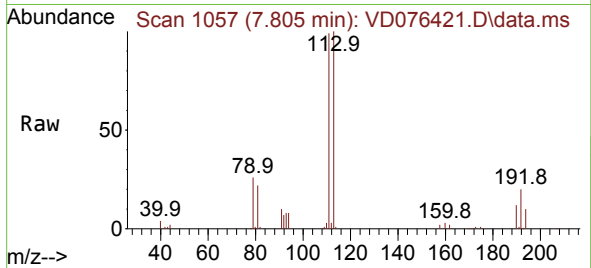




#35
Dibromofluoromethane
Concen: 32.752 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076421.D
Acq: 14 Jun 2023 16:33

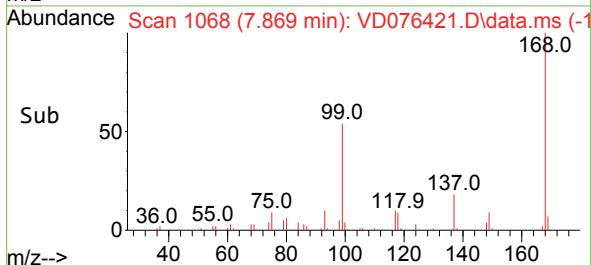
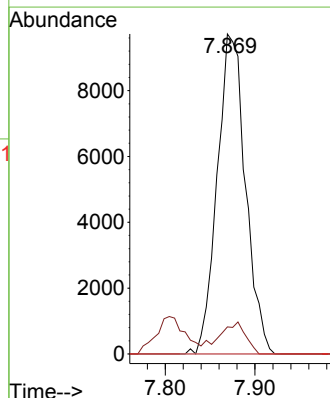
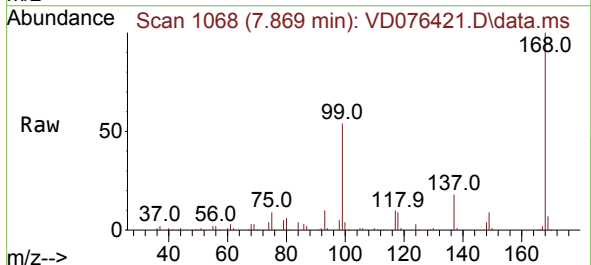
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-33

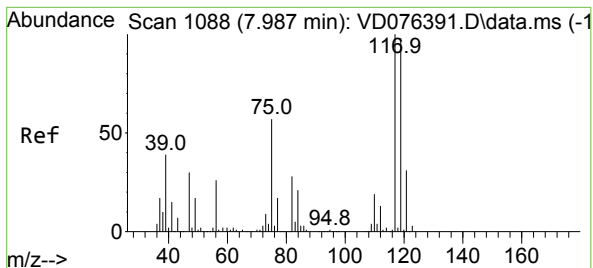
Tgt Ion:113 Resp: 102477
Ion Ratio Lower Upper
113 100
111 101.9 84.7 127.1
192 18.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.655 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076421.D
Acq: 14 Jun 2023 16:33

Tgt Ion: 75 Resp: 21260
Ion Ratio Lower Upper
75 100
110 9.4 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.117 min

Lab File: VD076421.D

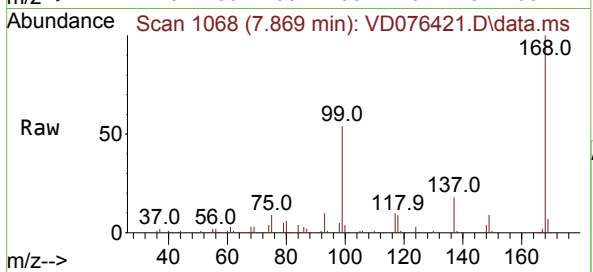
Acq: 14 Jun 2023 16:33

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-33



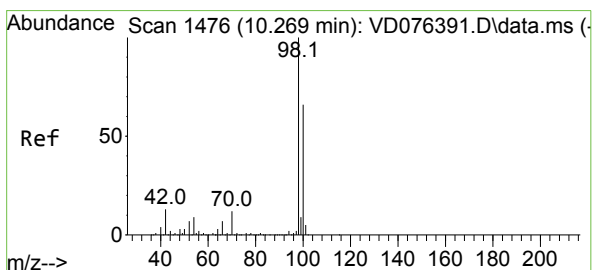
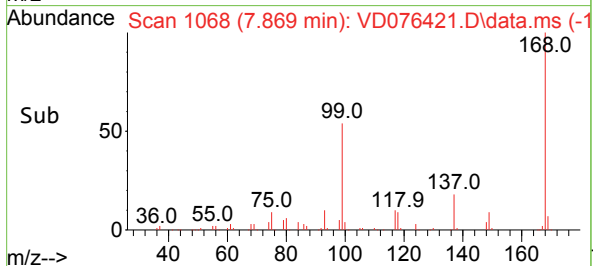
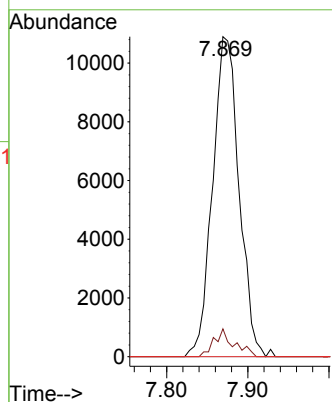
Tgt Ion:117 Resp: 24692

Ion Ratio Lower Upper

117 100

119 8.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 20.082 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076421.D

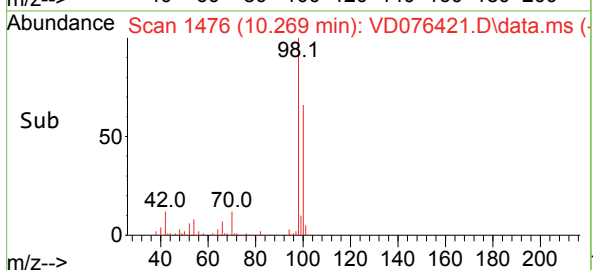
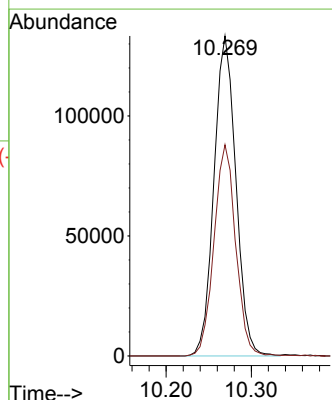
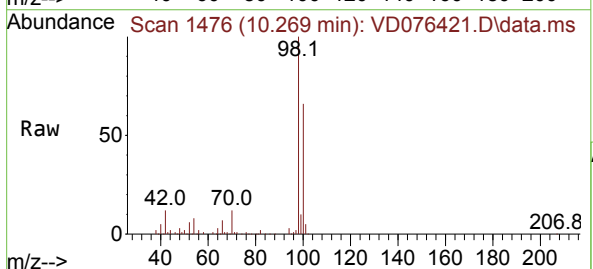
Acq: 14 Jun 2023 16:33

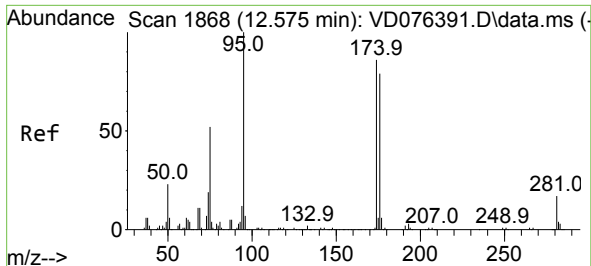
Tgt Ion: 98 Resp: 238122

Ion Ratio Lower Upper

98 100

100 65.5 50.3 75.5

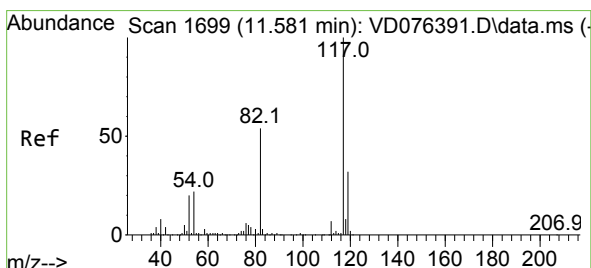
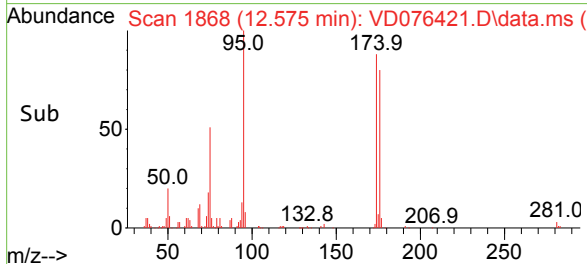
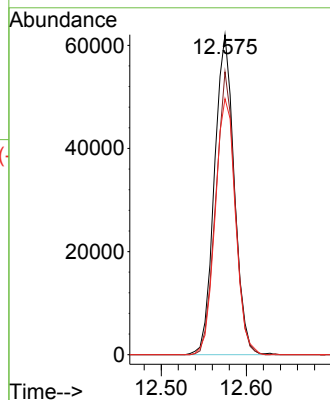
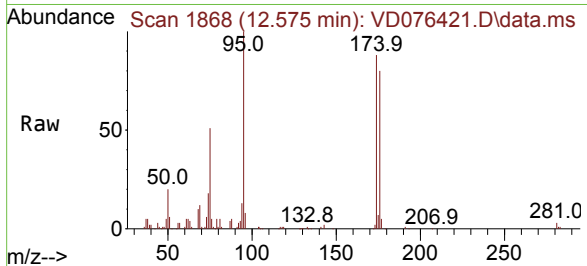




#62
4-Bromofluorobenzene
Concen: 24.675 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076421.D
Acq: 14 Jun 2023 16:33

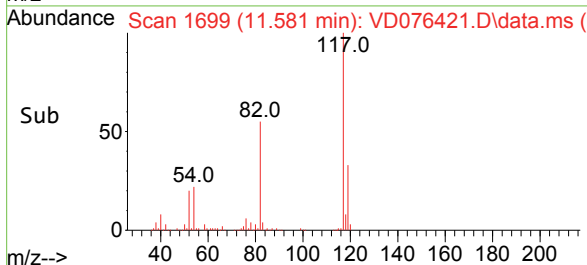
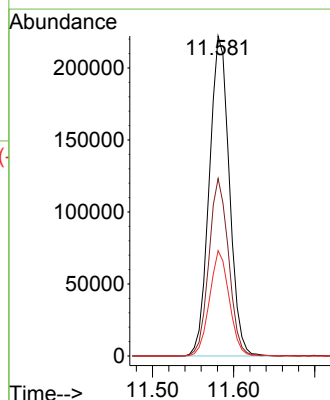
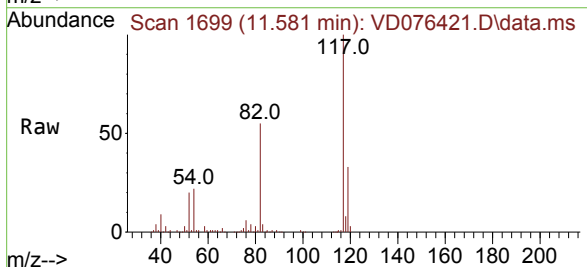
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-33

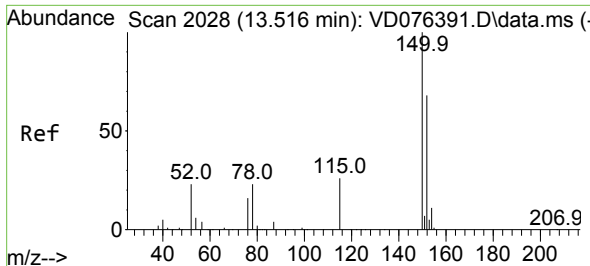
Tgt Ion: 95 Resp: 100372
Ion Ratio Lower Upper
95 100
174 85.8 0.0 201.8
176 82.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076421.D
Acq: 14 Jun 2023 16:33

Tgt Ion: 117 Resp: 380880
Ion Ratio Lower Upper
117 100
82 55.4 38.3 57.5
119 32.9 25.0 37.4

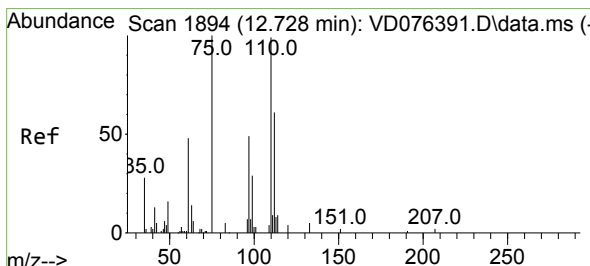
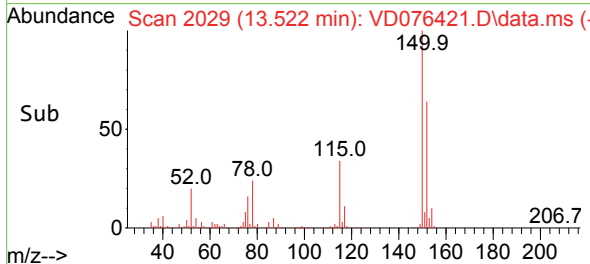
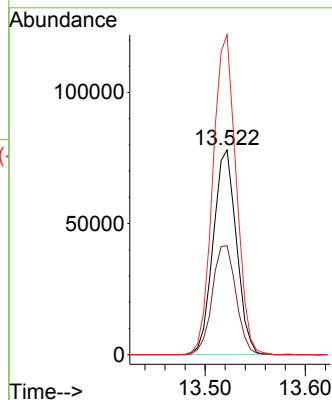
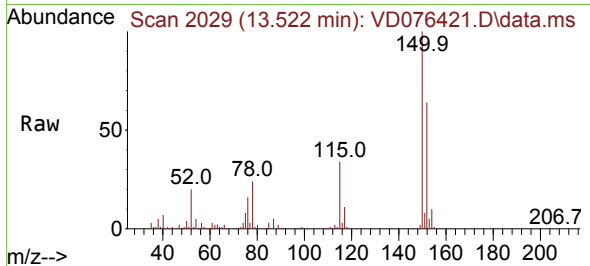




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD076421.D
Acq: 14 Jun 2023 16:33

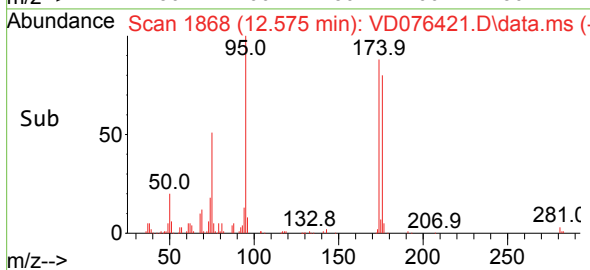
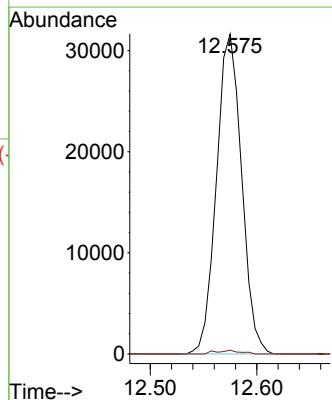
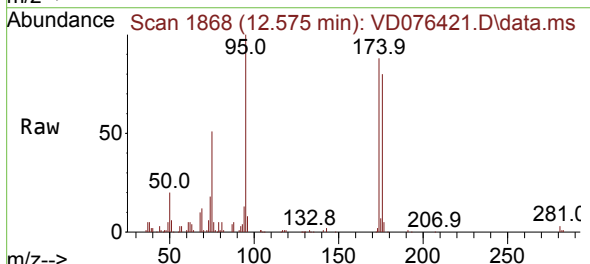
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-33

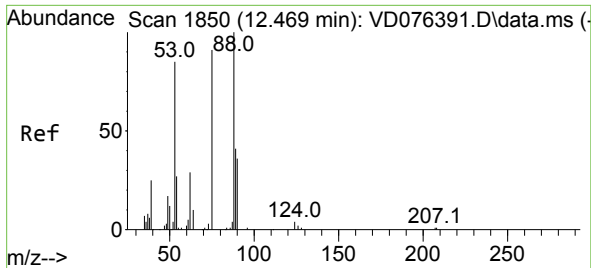
Tgt Ion:152 Resp: 125776
Ion Ratio Lower Upper
152 100
115 54.5 27.1 81.3
150 156.5 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 44.063 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076421.D
Acq: 14 Jun 2023 16:33

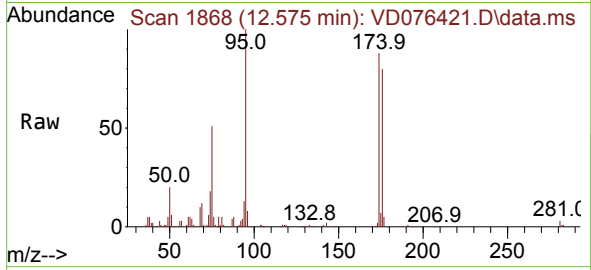
Tgt Ion: 75 Resp: 51812
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.893 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076421.D
 Acq: 14 Jun 2023 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-5-SB-33



Tgt Ion:	75	Resp:	51812
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

