

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076422.D
 Acq On : 14 Jun 2023 17:03
 Operator : KP/SY
 Sample : 03222-11
 Misc : 4.83G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-26

Quant Time: Jun 15 05:34:31 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)

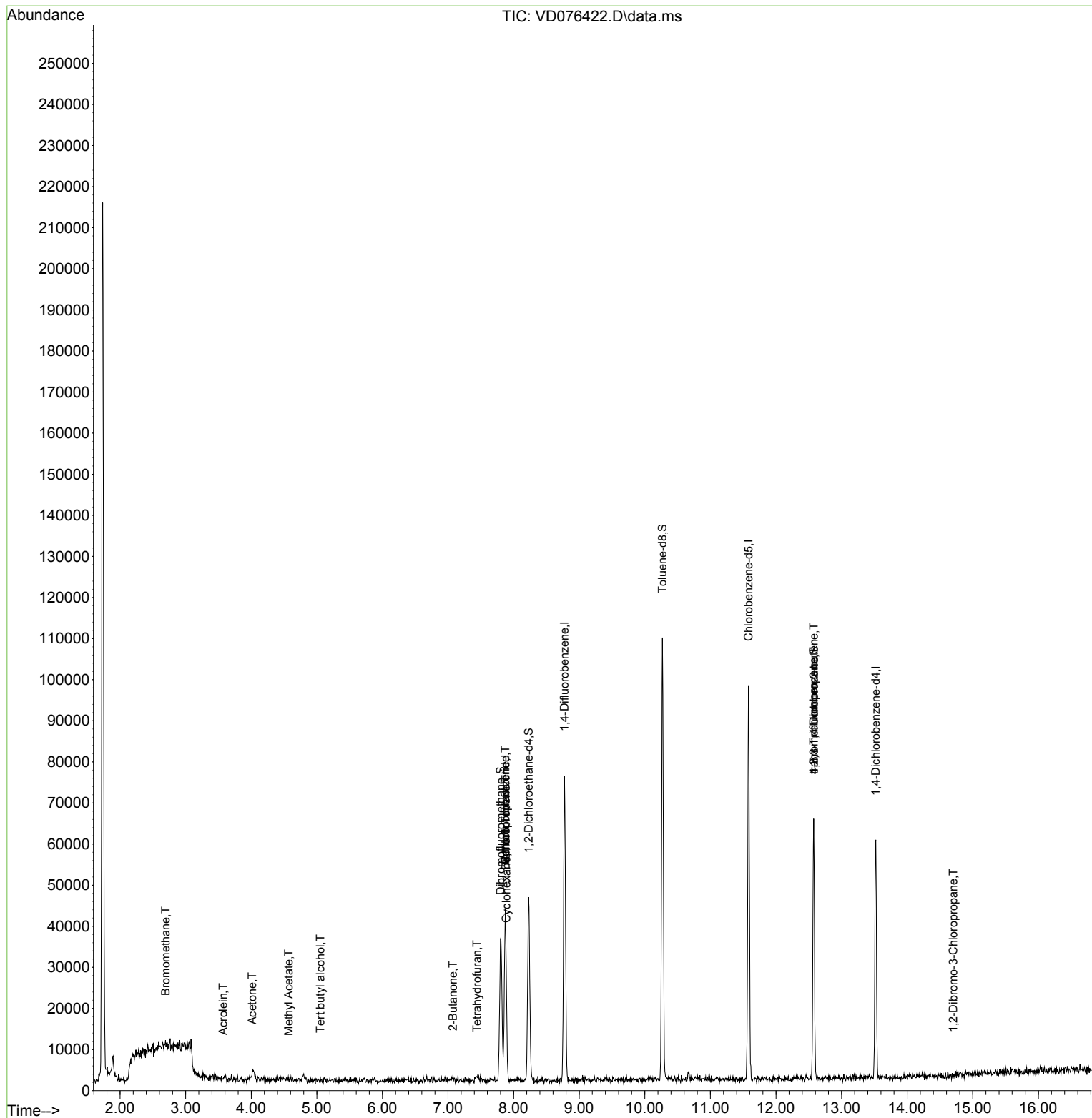
Internal Standards						
1) Pentafluorobenzene	7.875	168	32152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	64972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	50842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	15357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	33407	89.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.920%#	
35) Dibromofluoromethane	7.799	113	25647	61.076	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.160%	
50) Toluene-d8	10.269	98	72846	45.777	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.560%	
62) 4-Bromofluorobenzene	12.575	95	19245	35.252	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	537	1.970	ug/l #	76
11) Tert butyl alcohol	5.052	59	56	1.804	ug/l #	73
13) Acrolein	3.570	56	55	1.545	ug/l #	15
16) Acetone	4.017	43	1924	23.567	ug/l #	70
18) Methyl Acetate	4.570	43	528	1.419	ug/l #	42
20) Methylene Chloride	4.799	84	910	Below Cal	#	88
25) 2-Butanone	7.075	43	267	2.091	ug/l #	37
28) Bromochloromethane	7.258	49	122	Below Cal	#	1
29) Tetrahydrofuran	7.440	42	630	7.734	ug/l #	30
31) Cyclohexane	7.887	56	698	1.175	ug/l #	86
36) 1,1-Dichloropropene	7.881	75	2716	4.431	ug/l #	39
38) Carbon Tetrachloride	7.875	117	3420	6.010	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	10353	72.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	10353	129.111	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.704	75	120	3.185	ug/l #	1

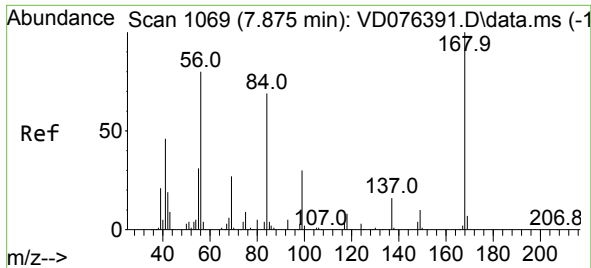
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
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Response via : Initial Calibration

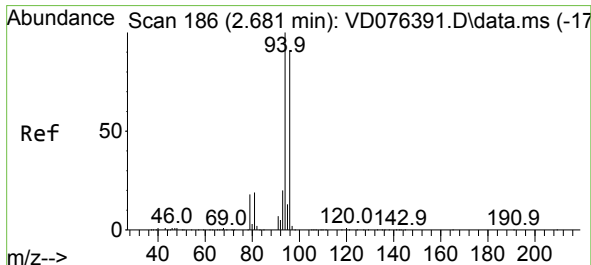
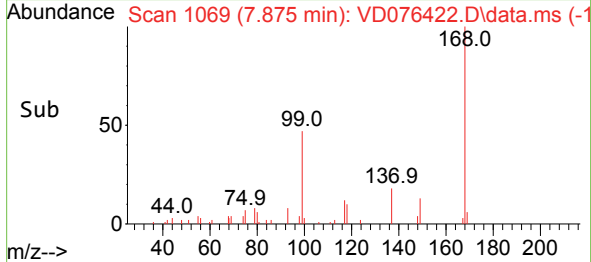
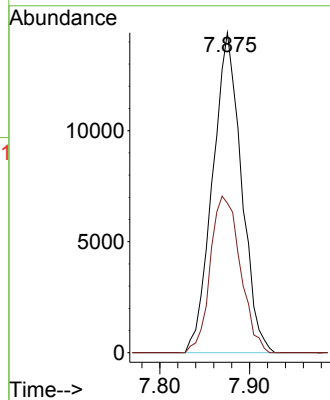
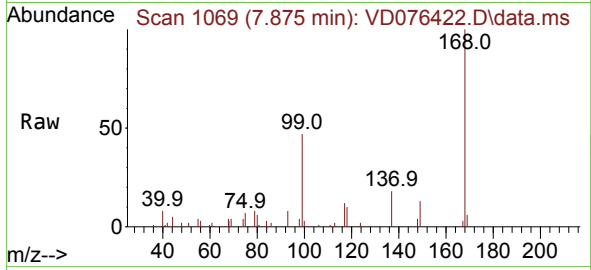




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

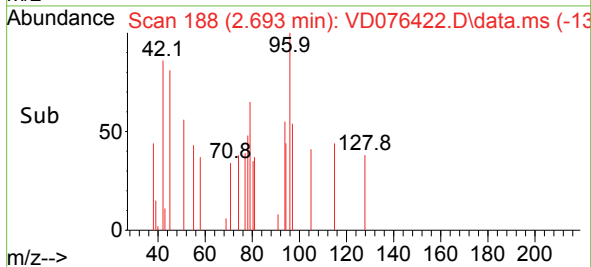
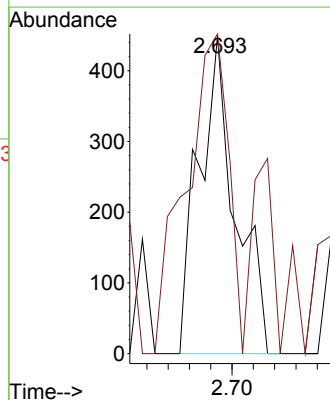
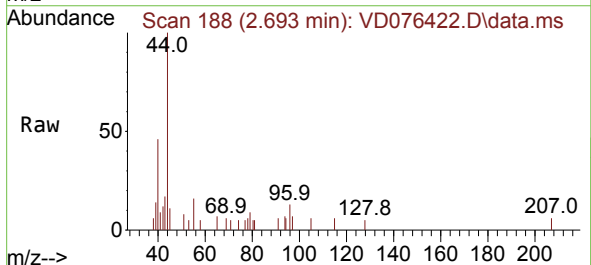
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

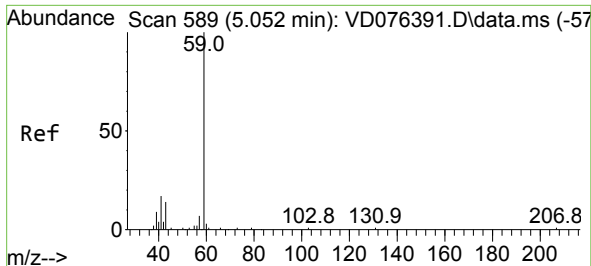
Tgt Ion:168 Resp: 32152
Ion Ratio Lower Upper
168 100
99 46.7 36.7 55.1



#5
Bromomethane
Concen: 1.970 ug/l
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 94 Resp: 537
Ion Ratio Lower Upper
94 100
96 117.9 75.8 113.8#

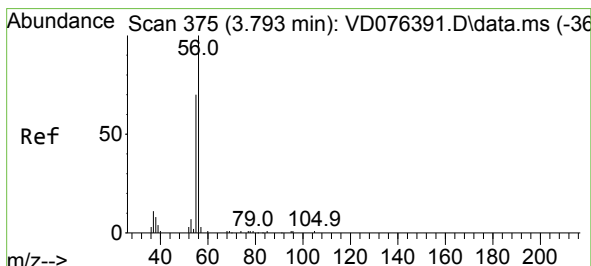
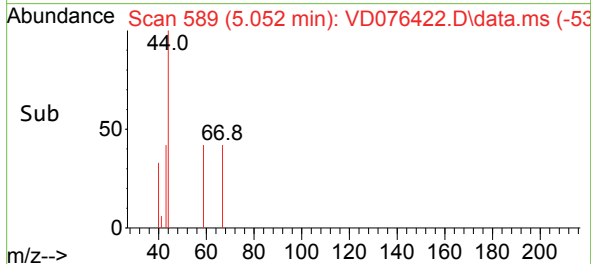
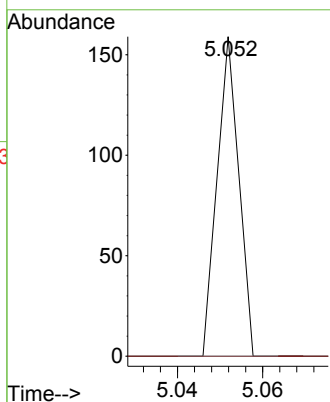
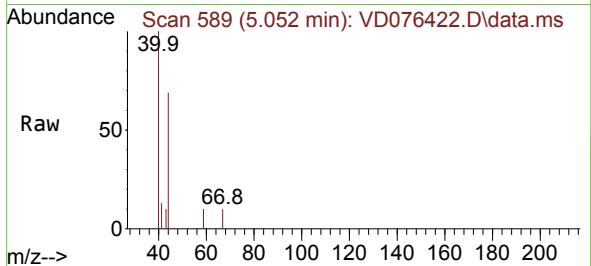




#11
Tert butyl alcohol
Concen: 1.804 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.000 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

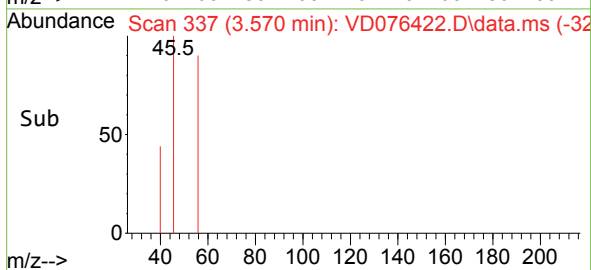
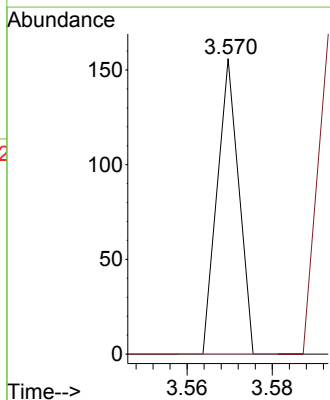
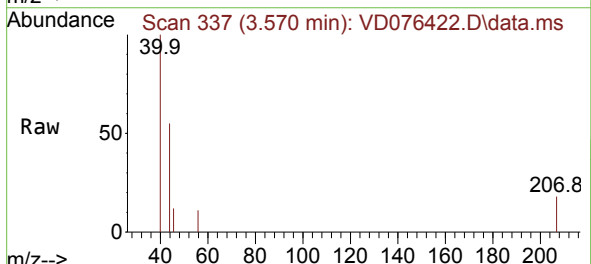
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

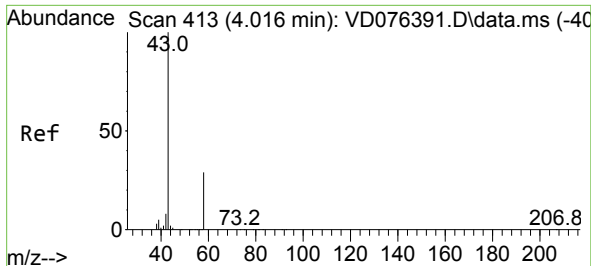
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.545 ug/l
RT: 3.570 min Scan# 337
Delta R.T. -0.223 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

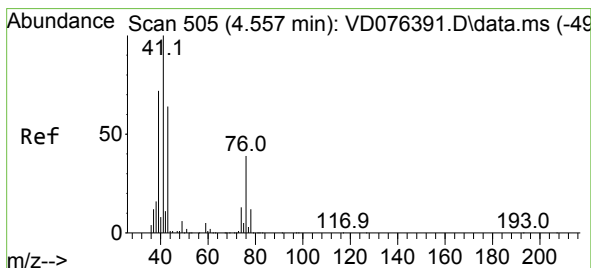
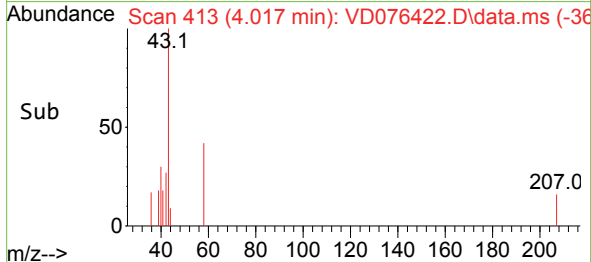
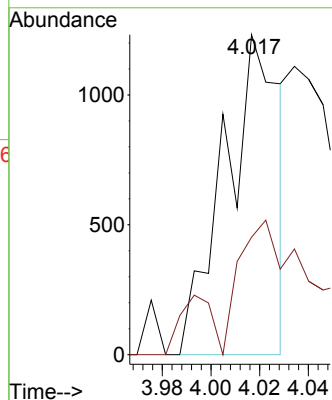
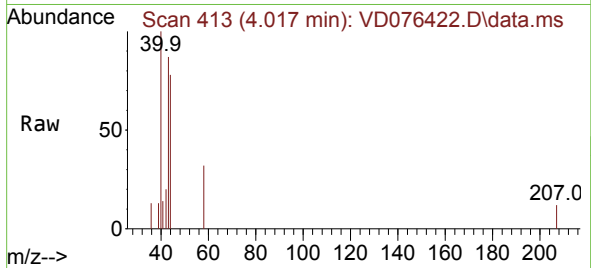




#16
Acetone
Concen: 23.567 ug/l
RT: 4.017 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

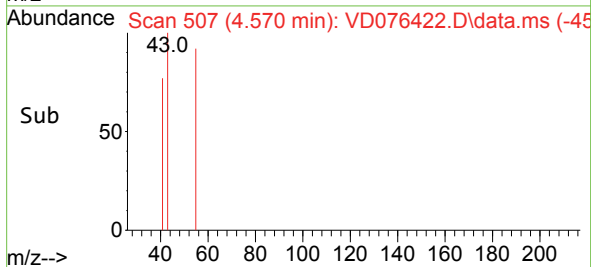
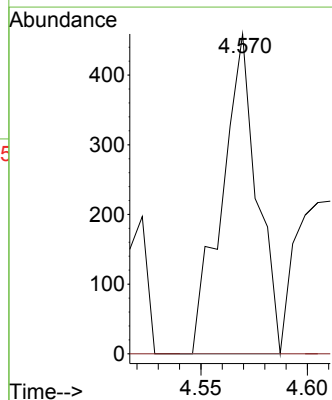
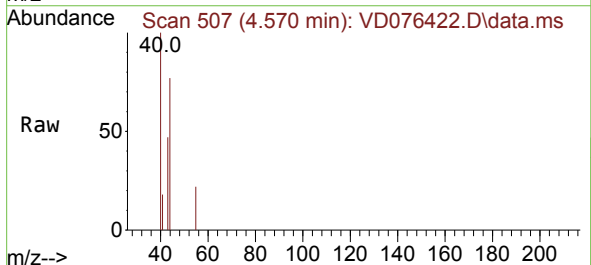
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

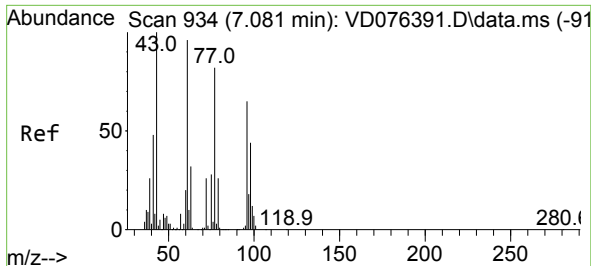
Tgt Ion: 43 Resp: 1924
Ion Ratio Lower Upper
43 100
58 24.4 34.7 52.1#



#18
Methyl Acetate
Concen: 1.419 ug/l
RT: 4.570 min Scan# 507
Delta R.T. 0.013 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

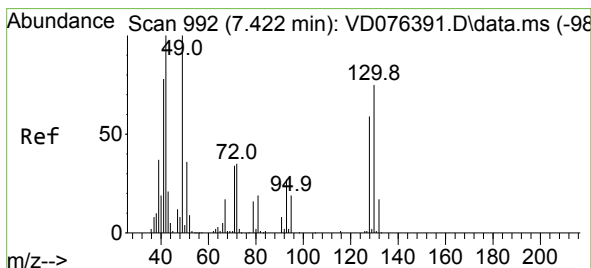
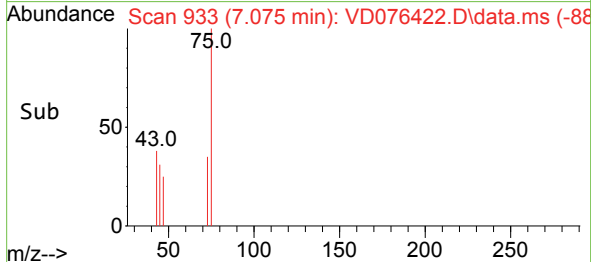
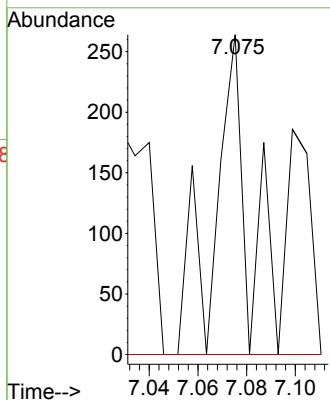
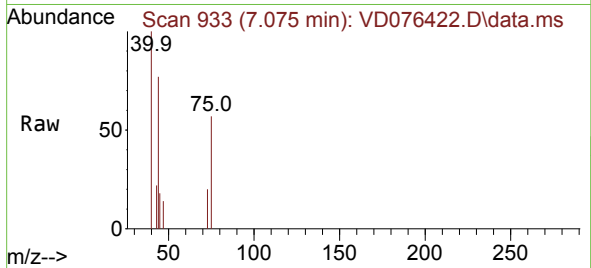




#25
2-Butanone
Concen: 2.091 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

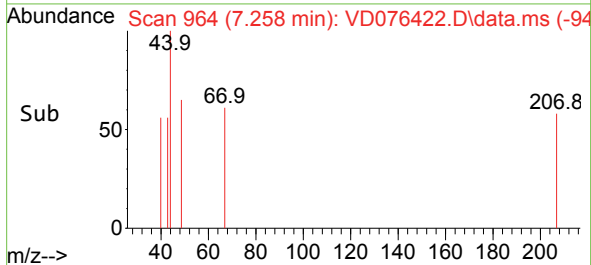
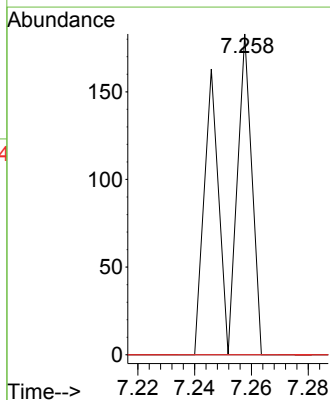
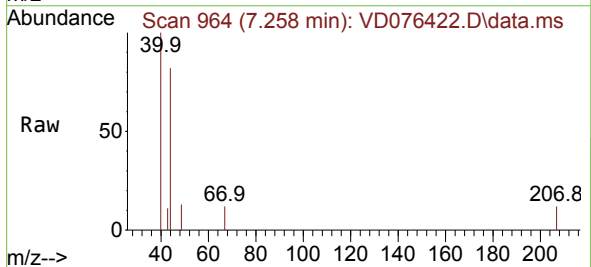
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

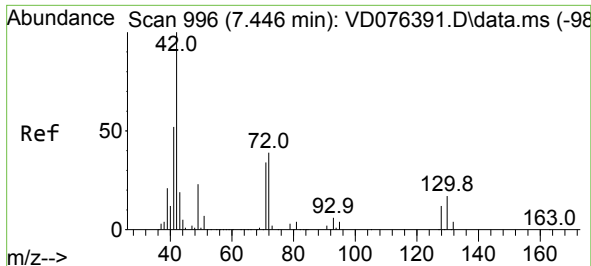
Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.258 min Scan# 964
Delta R.T. -0.164 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 49 Resp: 122
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 7.734 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD076422.D

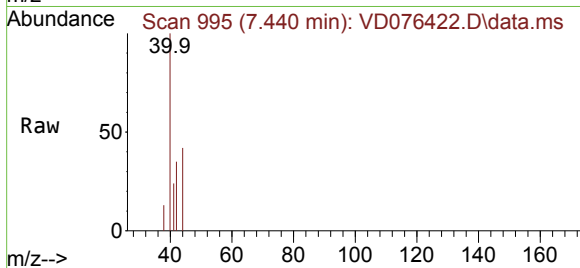
Acq: 14 Jun 2023 17:03

Instrument :

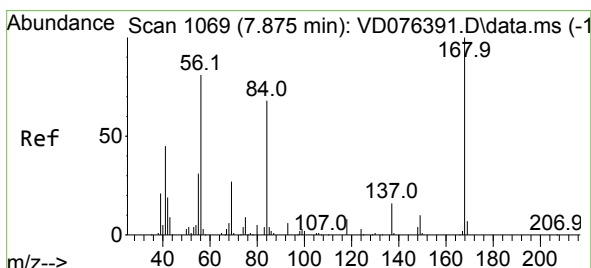
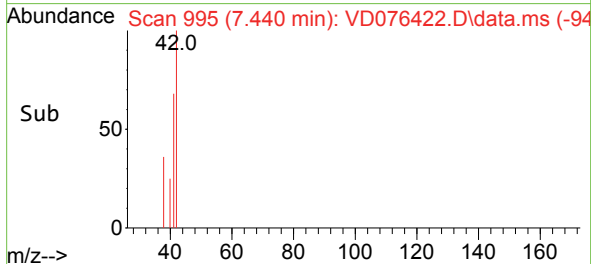
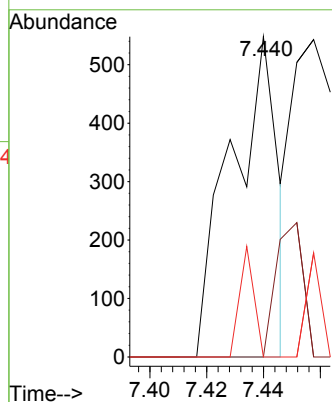
MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-26



Tgt Ion:	42	Resp:	630
Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	10.6	44.5	66.7#



#31

Cyclohexane

Concen: 1.175 ug/l

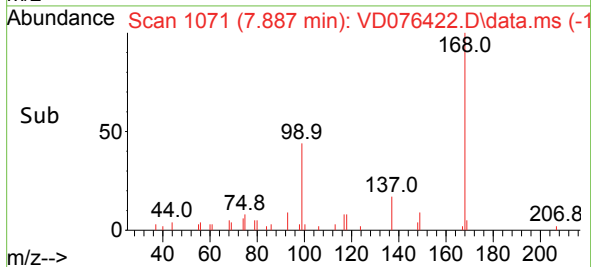
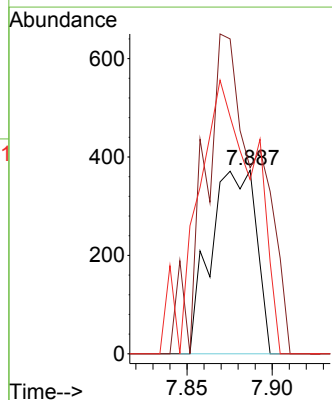
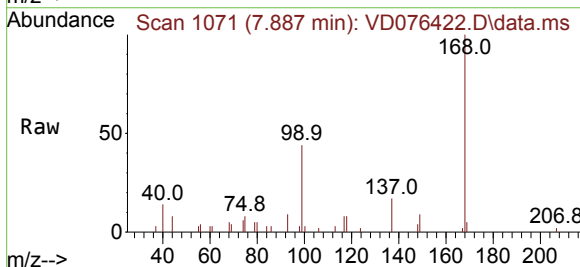
RT: 7.887 min Scan# 1071

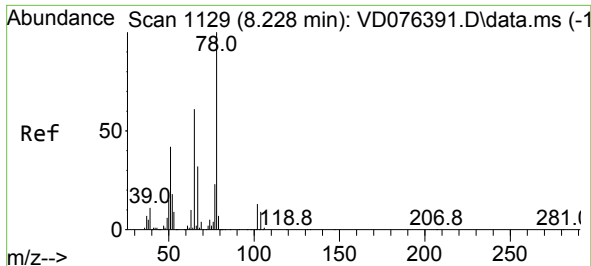
Delta R.T. 0.012 min

Lab File: VD076422.D

Acq: 14 Jun 2023 17:03

Tgt Ion:	56	Resp:	698
Ion	Ratio	Lower	Upper
56	100		
69	50.7	28.6	43.0#
84	94.9	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 89.957 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076422.D

Acq: 14 Jun 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :

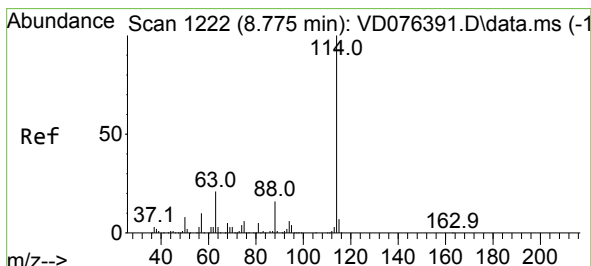
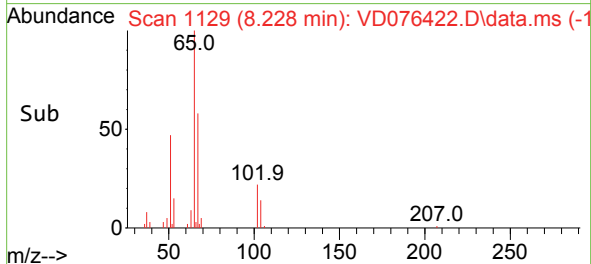
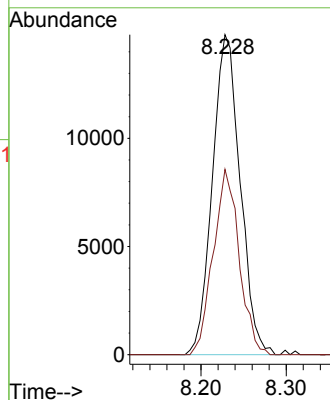
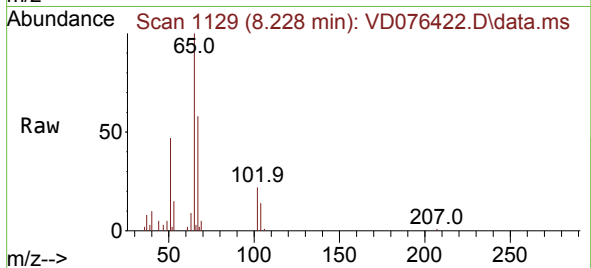
TOTAL-VOC-GRAB-4-SB-26

Tgt Ion: 65 Resp: 33407

Ion Ratio Lower Upper

65 100

67 54.2 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: VD076422.D

Acq: 14 Jun 2023 17:03

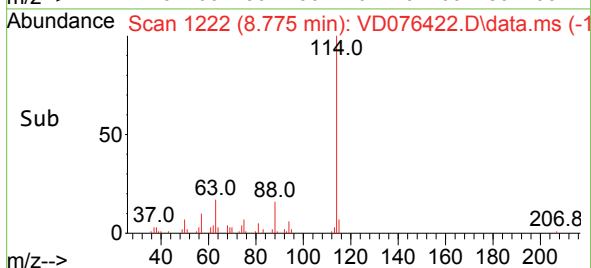
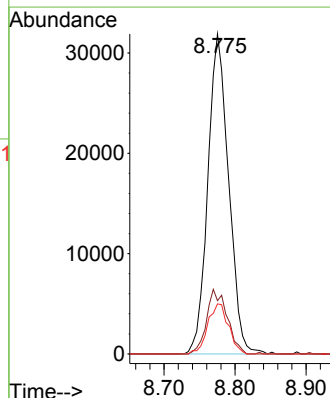
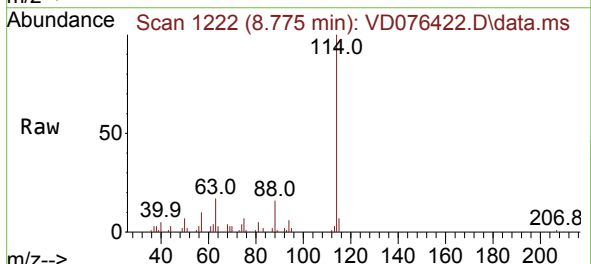
Tgt Ion: 114 Resp: 64972

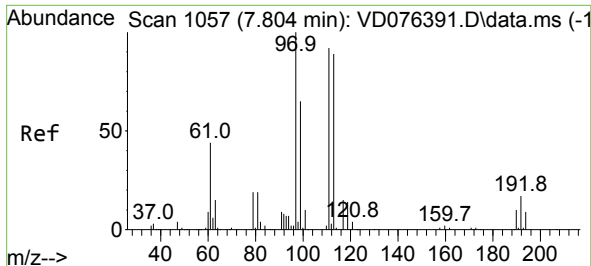
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 15.6 0.0 26.2

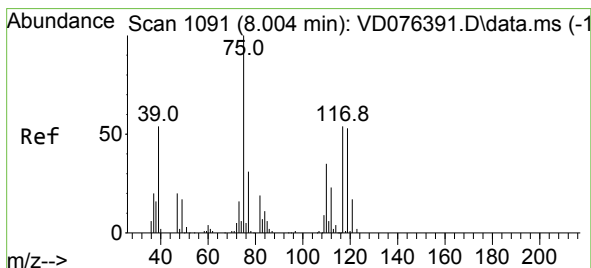
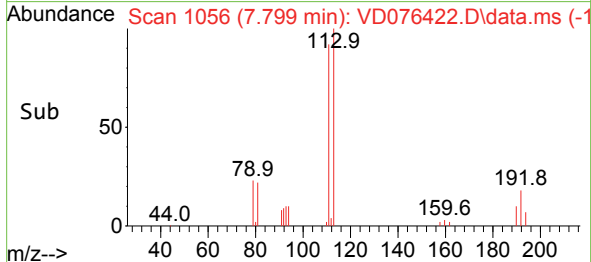
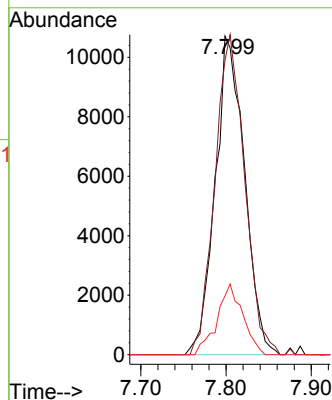
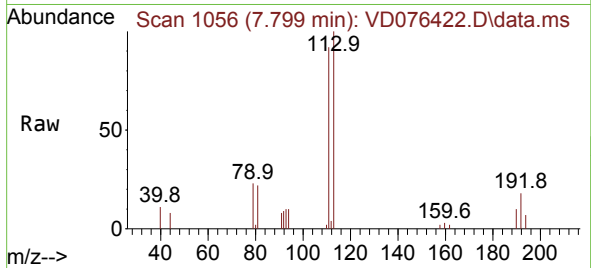




#35
Dibromofluoromethane
Concen: 61.076 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

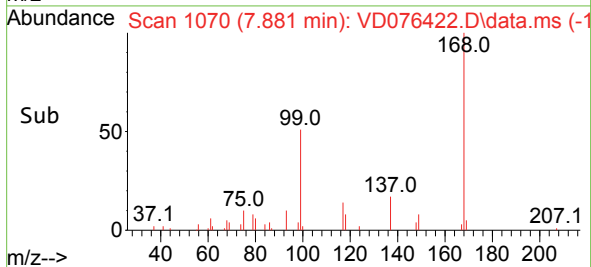
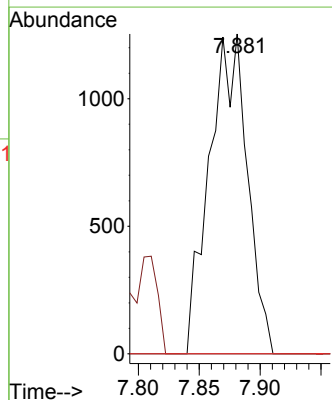
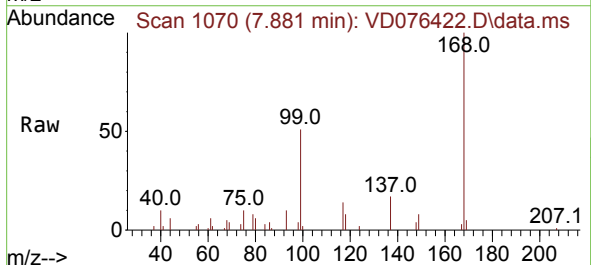
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TOTAL-VOC-GRAB-4-SB-26

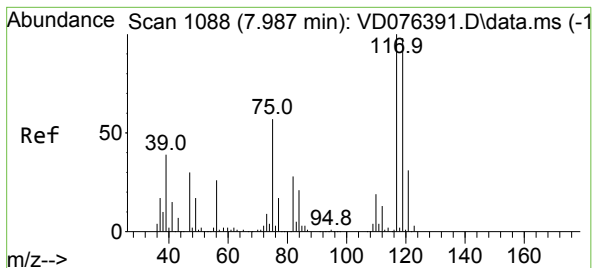
Tgt Ion:113 Resp: 25647
Ion Ratio Lower Upper
113 100
111 101.6 84.7 127.1
192 19.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.431 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 75 Resp: 2716
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.111 min

Lab File: VD076422.D

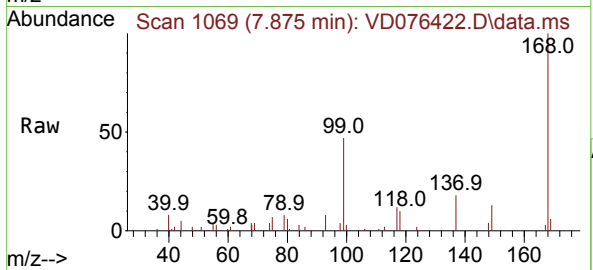
Acq: 14 Jun 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-26



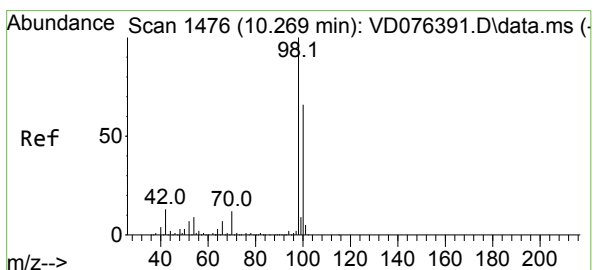
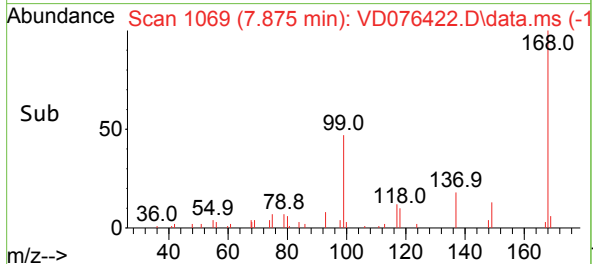
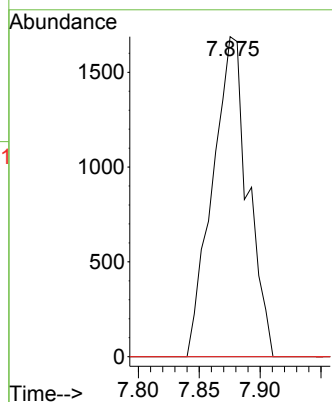
Tgt Ion:117 Resp: 3420

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.777 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076422.D

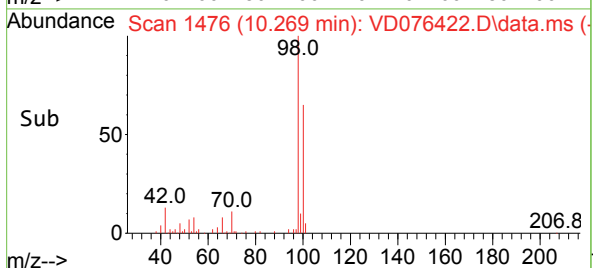
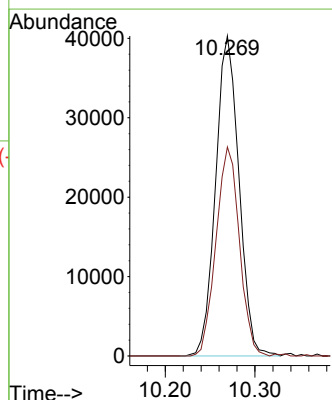
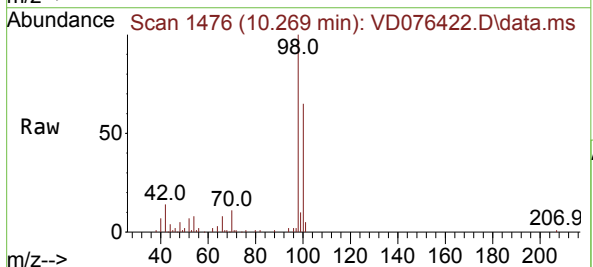
Acq: 14 Jun 2023 17:03

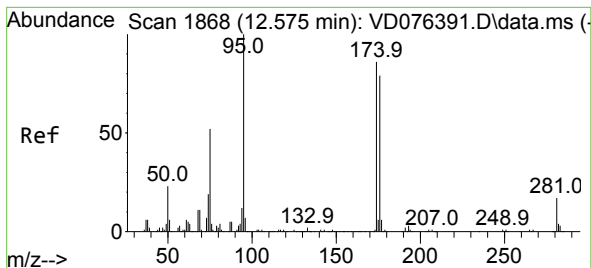
Tgt Ion: 98 Resp: 72846

Ion Ratio Lower Upper

98 100

100 65.4 50.3 75.5

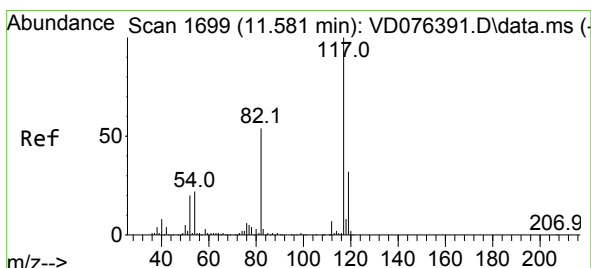
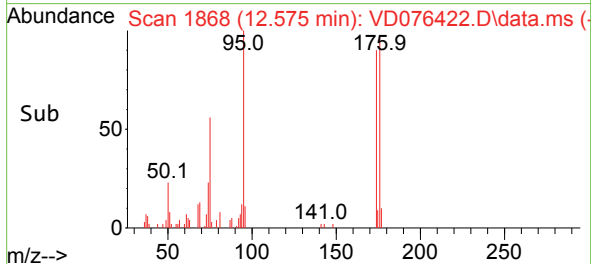
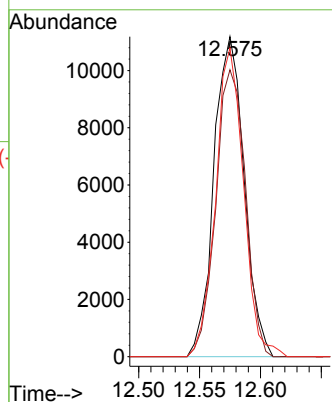
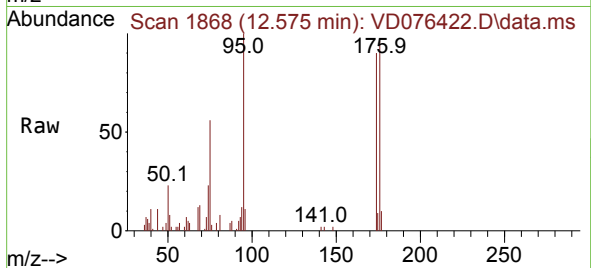




#62
4-Bromofluorobenzene
Concen: 35.252 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

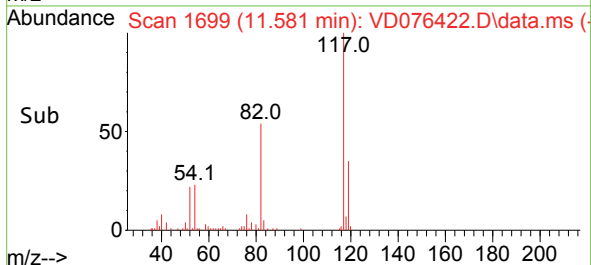
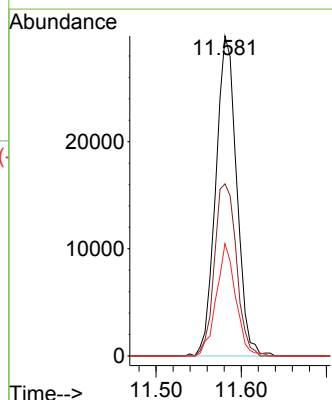
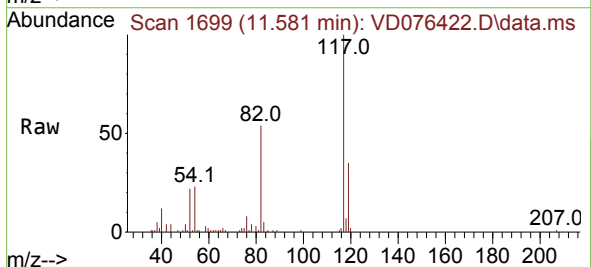
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

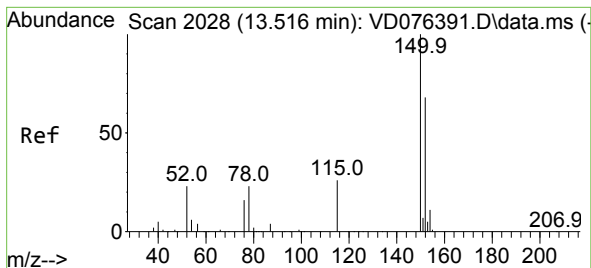
Tgt Ion:	95	Resp:	19245
Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	201.8
176	89.6	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion:	117	Resp:	50842
Ion	Ratio	Lower	Upper
117	100		
82	53.8	38.3	57.5
119	35.1	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: VD076422.D

Acq: 14 Jun 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-26

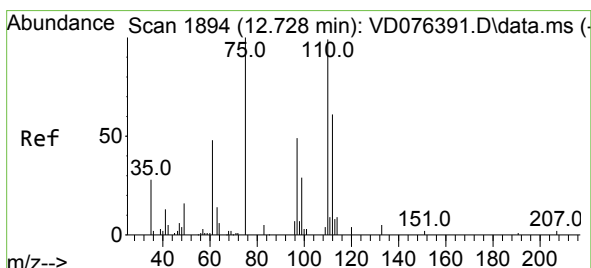
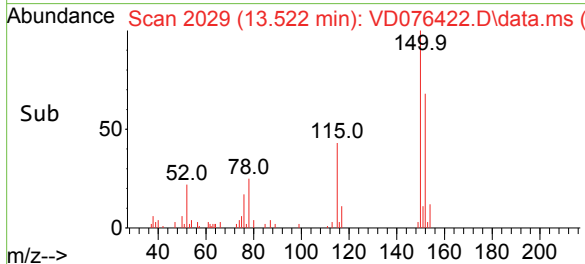
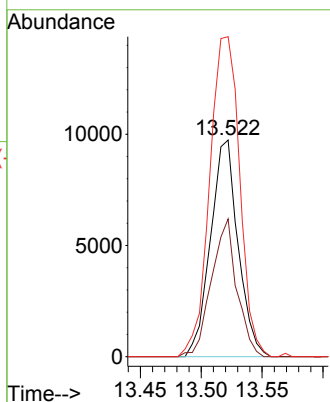
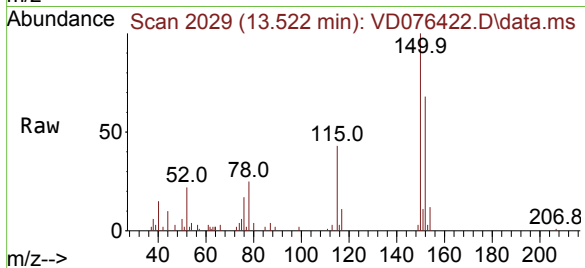
Tgt Ion:152 Resp: 15357

Ion Ratio Lower Upper

152 100

115 58.6 27.1 81.3

150 160.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 72.112 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD076422.D

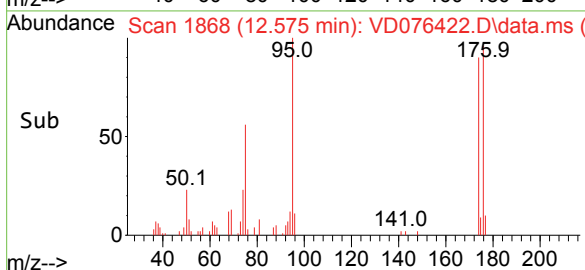
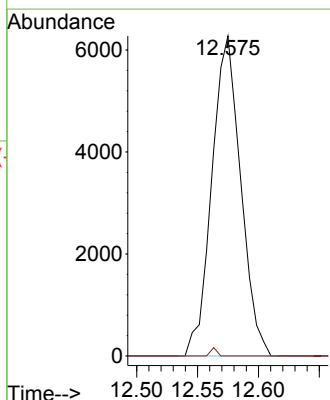
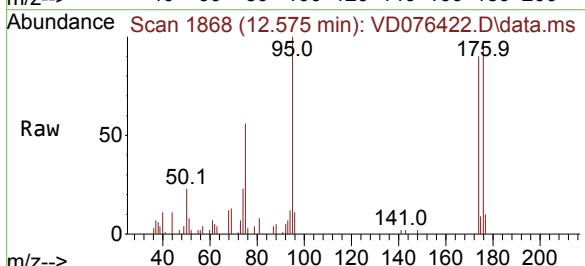
Acq: 14 Jun 2023 17:03

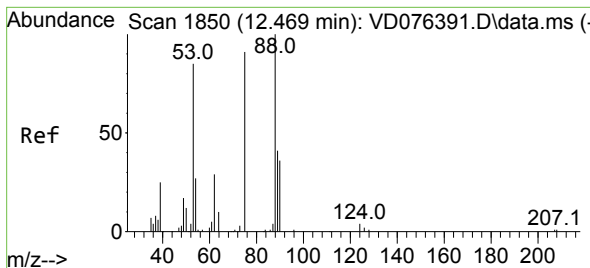
Tgt Ion: 75 Resp: 10353

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#

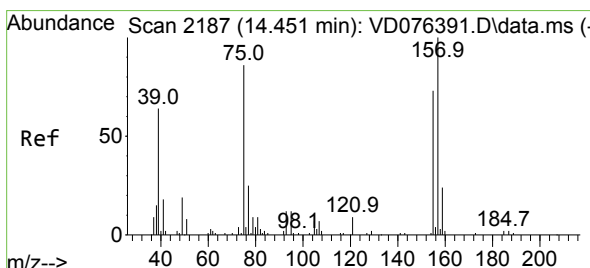
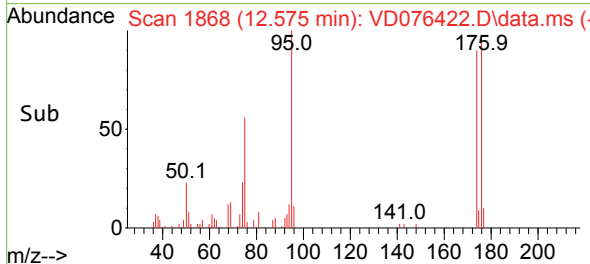
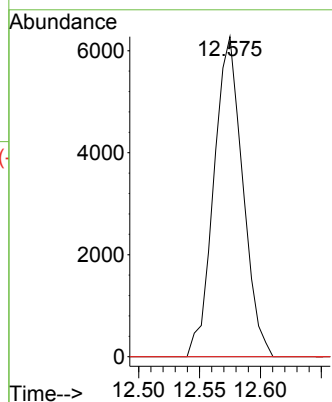
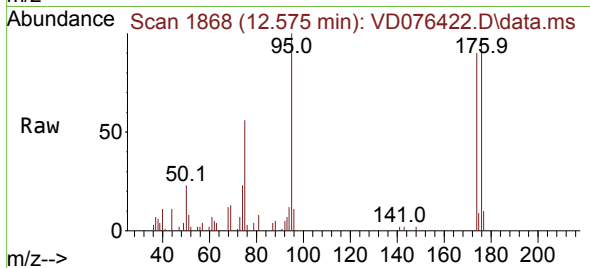




#81
trans-1,4-Dichloro-2-butene
Concen: 129.111 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

Tgt Ion: 75 Resp: 10353
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.185 ug/l
RT: 14.704 min Scan# 2230
Delta R.T. 0.253 min
Lab File: VD076422.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#

