

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076425.D
 Acq On : 14 Jun 2023 18:34
 Operator : KP/SY
 Sample : 03222-23
 Misc : 6..06G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-16-GRAB-6

Quant Time: Jun 15 05:35:41 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)

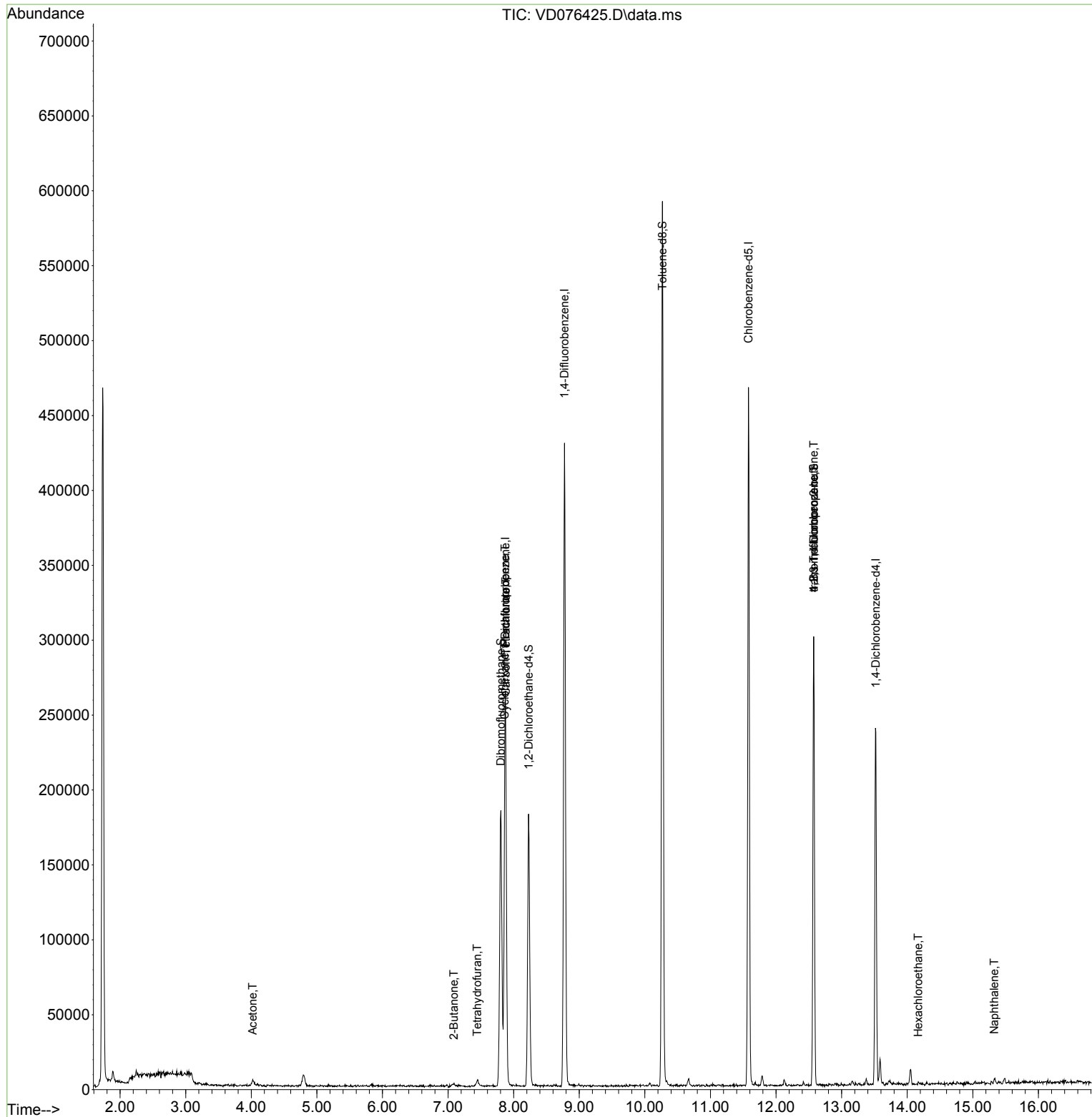
Internal Standards						
1) Pentafluorobenzene	7.875	168	206351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	373175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	256298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	64443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	129106	54.168	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.340%	
35) Dibromofluoromethane	7.804	113	129147	53.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.100%	
50) Toluene-d8	10.269	98	402299	44.015	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.040%	
62) 4-Bromofluorobenzene	12.575	95	89408	28.514	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 57.020%	
Target Compounds						Qvalue
16) Acetone	4.022	43	6601	12.598	ug/l #	84
20) Methylene Chloride	4.793	84	5378	Below Cal	#	71
25) 2-Butanone	7.087	43	1560	1.904	ug/l #	37
28) Bromochloromethane	7.499	49	67	Below Cal	#	1
29) Tetrahydrofuran	7.446	42	3558	6.805	ug/l #	69
31) Cyclohexane	7.863	56	4712	1.236	ug/l #	56
36) 1,1-Dichloropropene	7.869	75	16822	4.778	ug/l #	48
38) Carbon Tetrachloride	7.881	117	20771	6.355	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	46662	77.452	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	46662	138.673	ug/l #	17
90) Hexachloroethane	14.169	117	805	1.008	ug/l #	11
95) Naphthalene	15.328	128	3215	1.222	ug/l	96

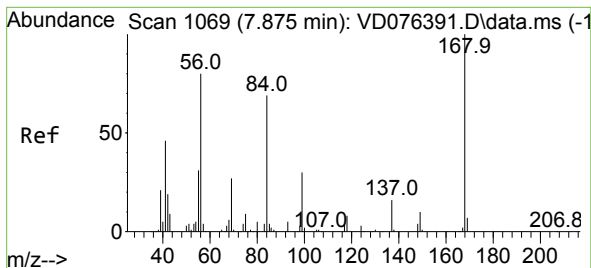
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076425.D

Acq: 14 Jun 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

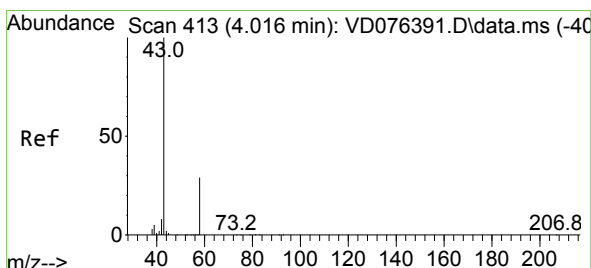
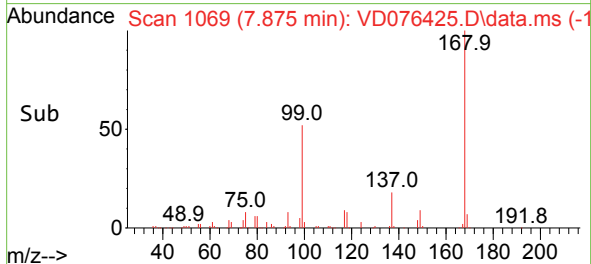
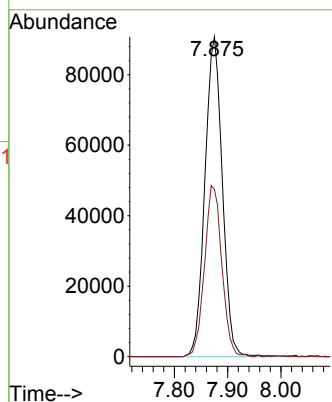
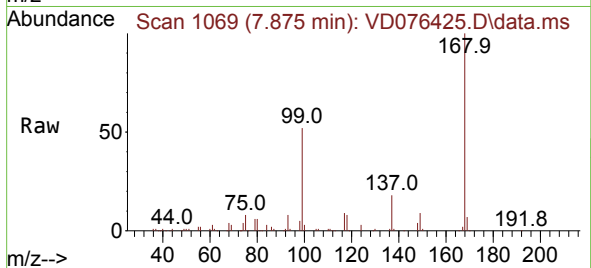
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion:168 Resp: 206351

Ion Ratio Lower Upper

168 100

99 52.2 36.7 55.1



#16

Acetone

Concen: 12.598 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD076425.D

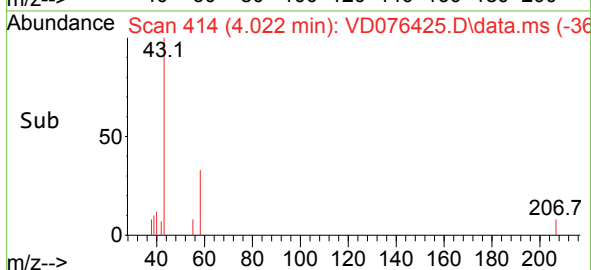
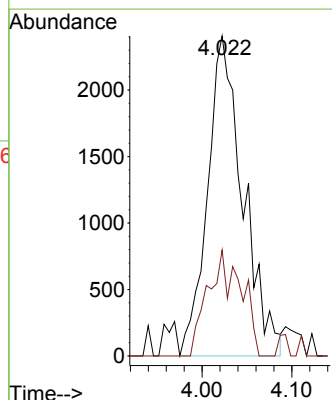
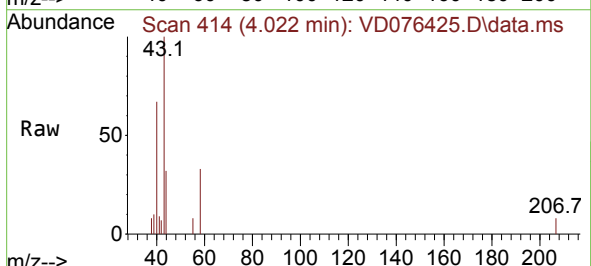
Acq: 14 Jun 2023 18:34

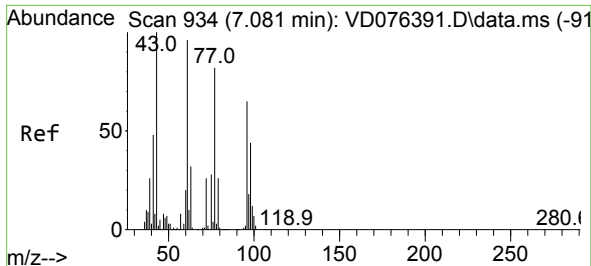
Tgt Ion: 43 Resp: 6601

Ion Ratio Lower Upper

43 100

58 33.1 34.7 52.1#





#25

2-Butanone

Concen: 1.904 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076425.D

Acq: 14 Jun 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

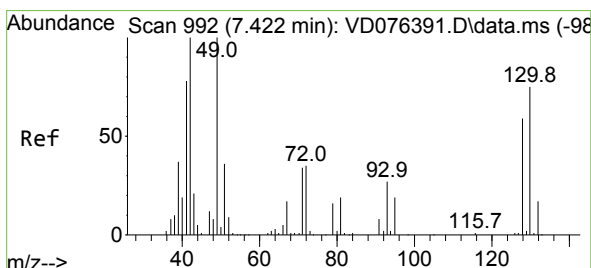
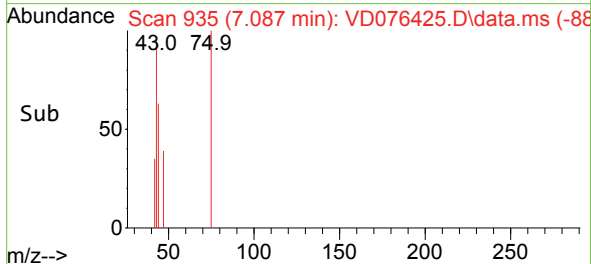
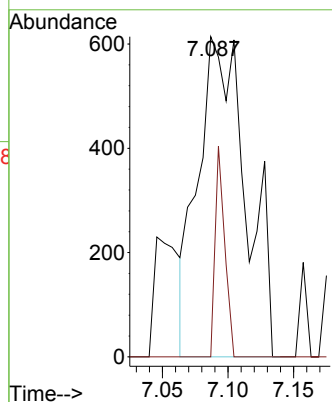
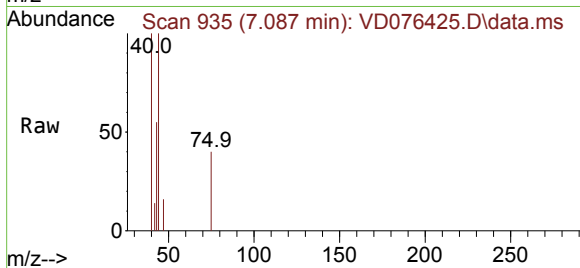
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.499 min Scan# 1005

Delta R.T. 0.077 min

Lab File: VD076425.D

Acq: 14 Jun 2023 18:34

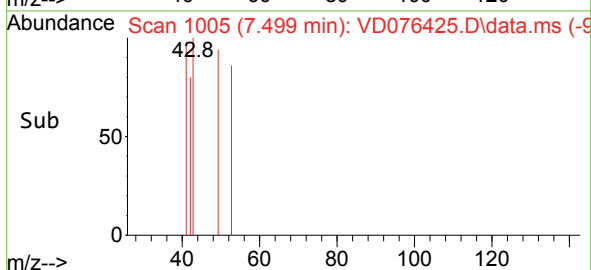
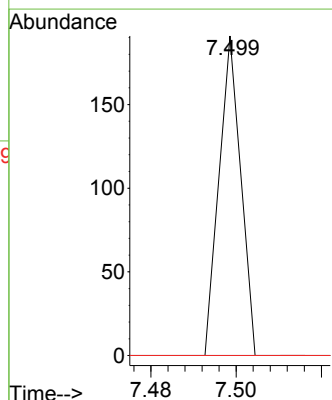
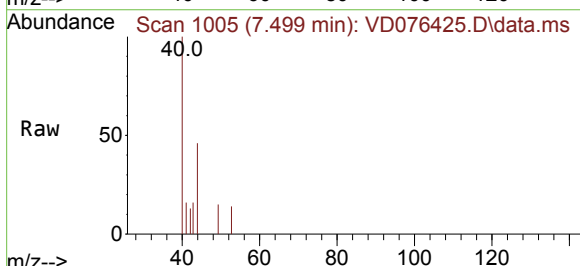
Tgt Ion: 49 Resp: 67

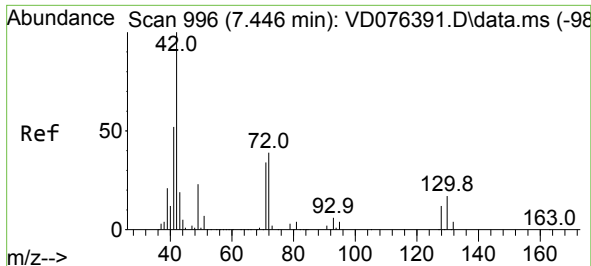
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 6.805 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD076425.D

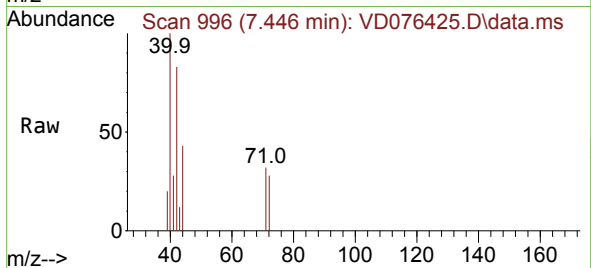
Acq: 14 Jun 2023 18:34

Instrument :

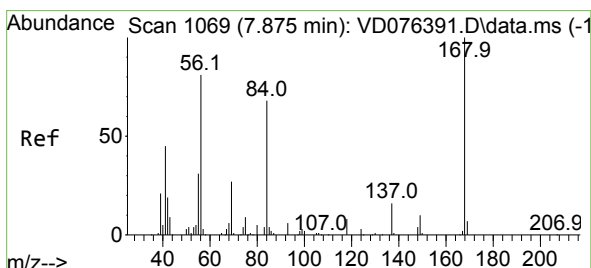
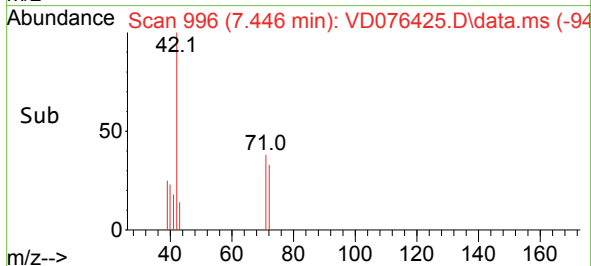
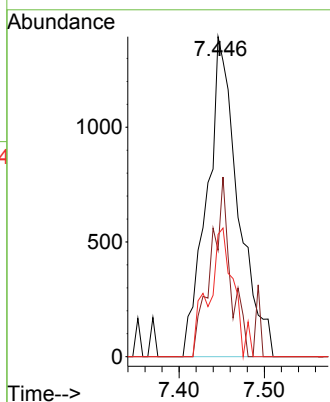
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-16-GRAB-6



Tgt Ion:	42	Resp:	3558
Ion	Ratio	Lower	Upper
42	100		
72	35.6	46.5	69.7#
71	31.9	44.5	66.7#



#31

Cyclohexane

Concen: 1.236 ug/l

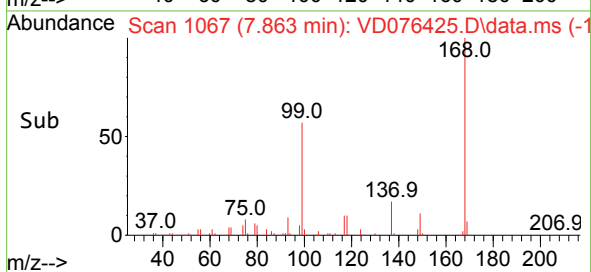
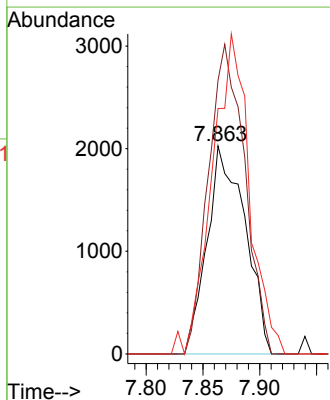
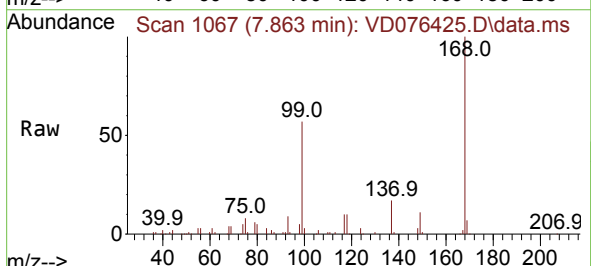
RT: 7.863 min Scan# 1067

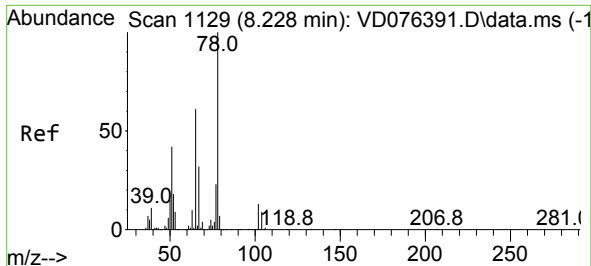
Delta R.T. -0.012 min

Lab File: VD076425.D

Acq: 14 Jun 2023 18:34

Tgt Ion:	56	Resp:	4712
Ion	Ratio	Lower	Upper
56	100		
69	131.6	28.6	43.0#
84	109.1	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 54.168 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076425.D

Acq: 14 Jun 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

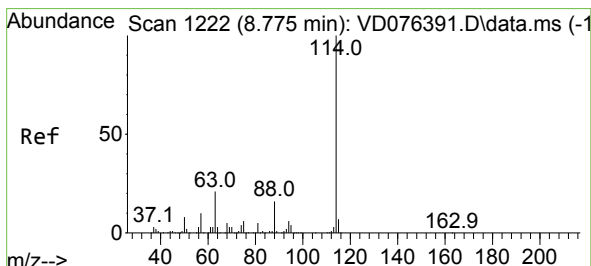
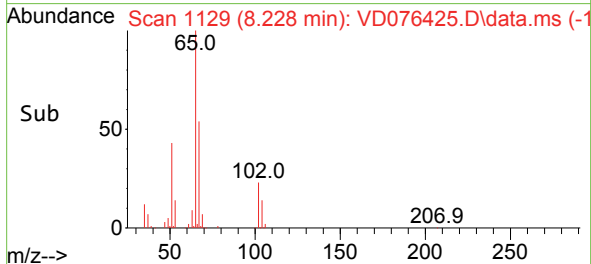
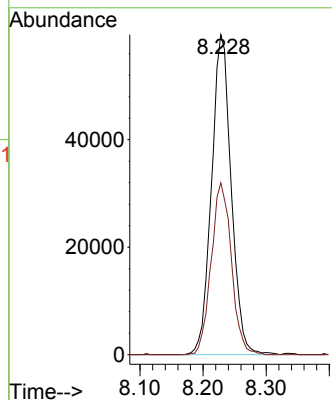
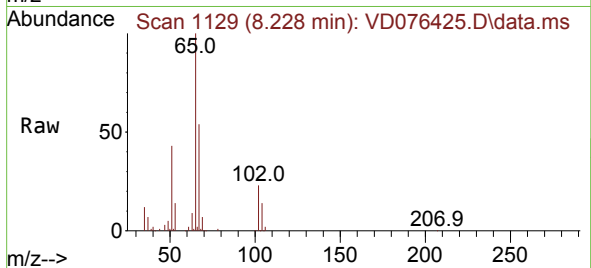
TOTAL-VOC-SB-16-GRAB-6

Tgt Ion: 65 Resp: 129106

Ion Ratio Lower Upper

65 100

67 55.0 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: VD076425.D

Acq: 14 Jun 2023 18:34

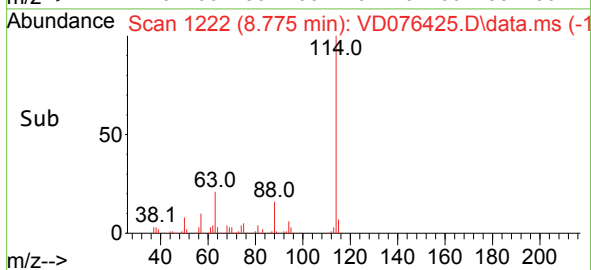
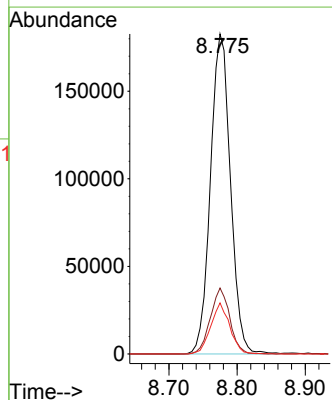
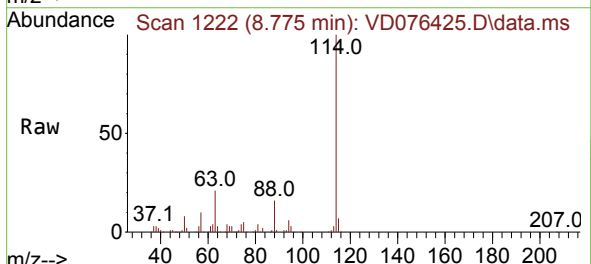
Tgt Ion: 114 Resp: 373175

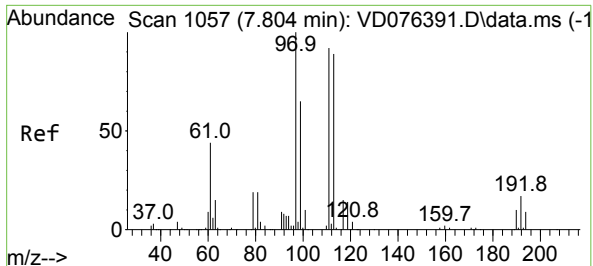
Ion Ratio Lower Upper

114 100

63 20.6 0.0 33.4

88 16.0 0.0 26.2

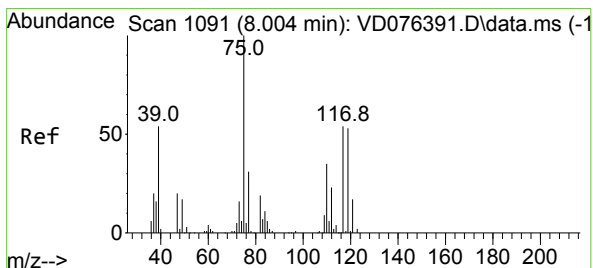
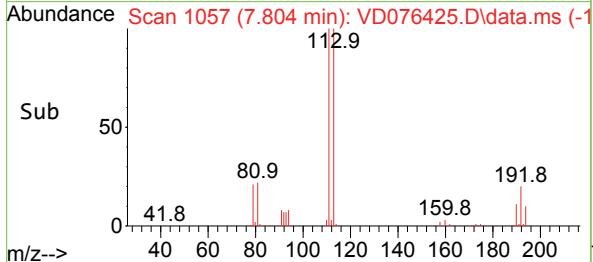
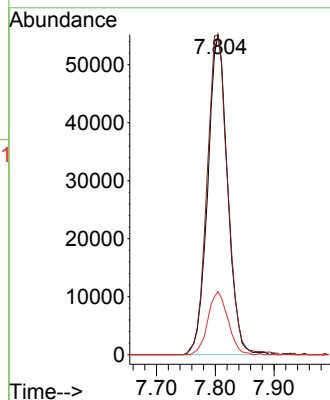
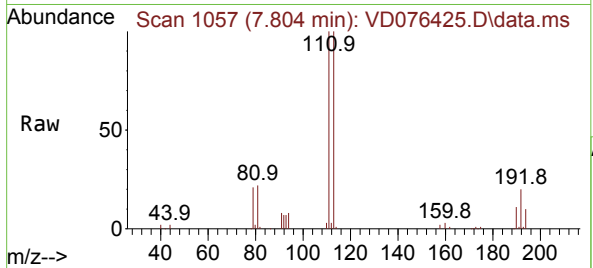




#35
Dibromofluoromethane
Concen: 53.546 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

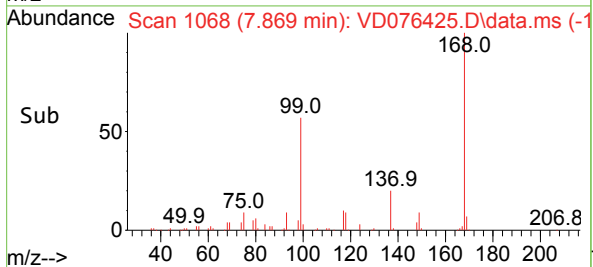
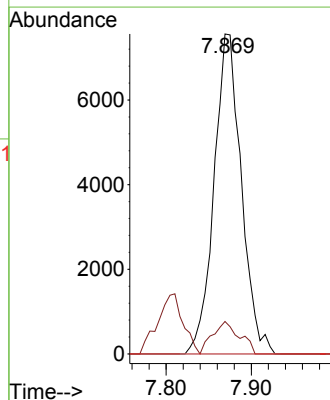
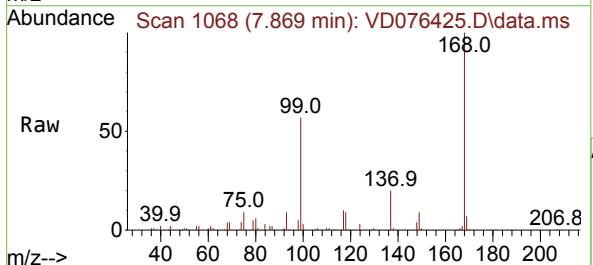
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

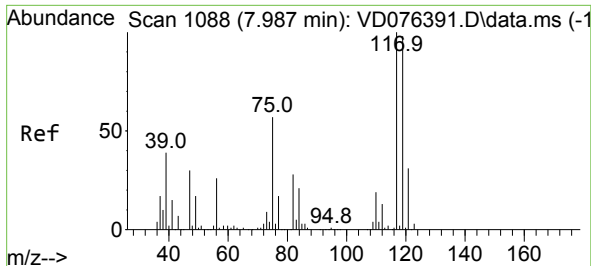
Tgt Ion:113 Resp: 129147
Ion Ratio Lower Upper
113 100
111 103.9 84.7 127.1
192 19.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

Tgt Ion: 75 Resp: 16822
Ion Ratio Lower Upper
75 100
110 10.0 19.9 59.6#
77 0.0 24.7 37.1#

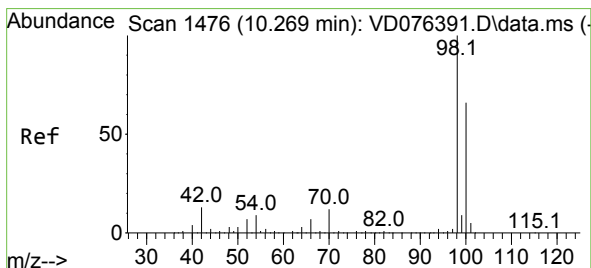
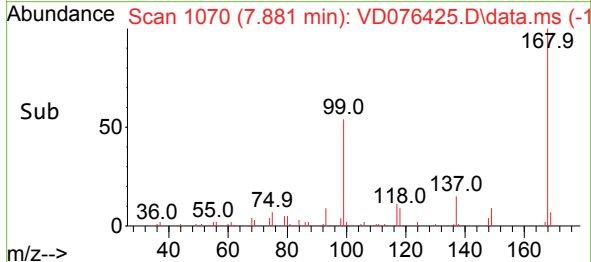
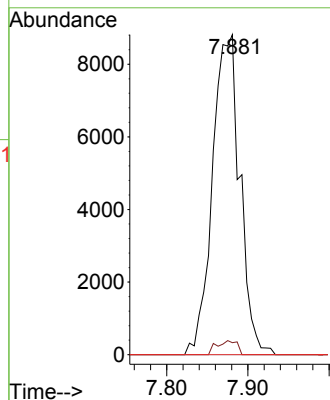
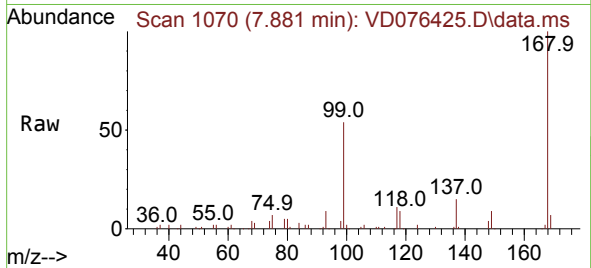




#38
Carbon Tetrachloride
Concen: 6.355 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

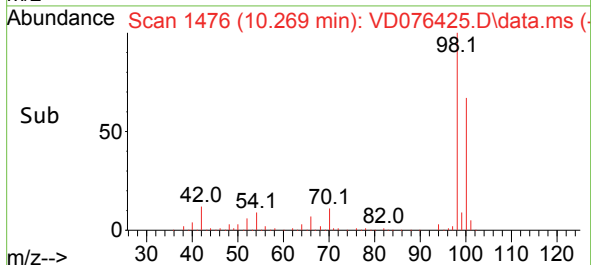
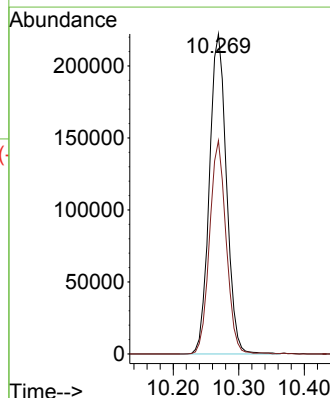
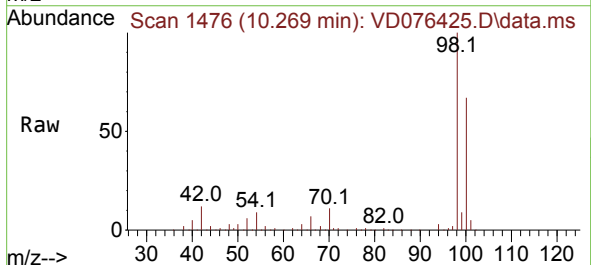
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-16-GRAB-6

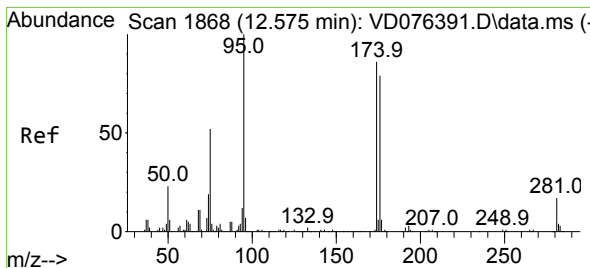
Tgt Ion:117 Resp: 20771
Ion Ratio Lower Upper
117 100
119 3.7 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.015 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

Tgt Ion: 98 Resp: 402299
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

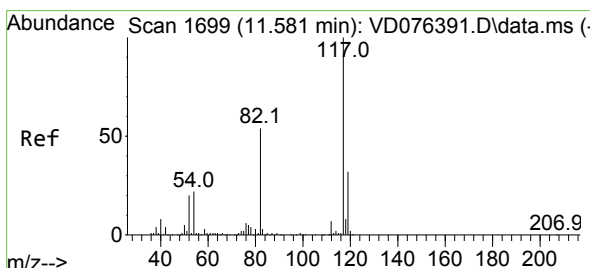
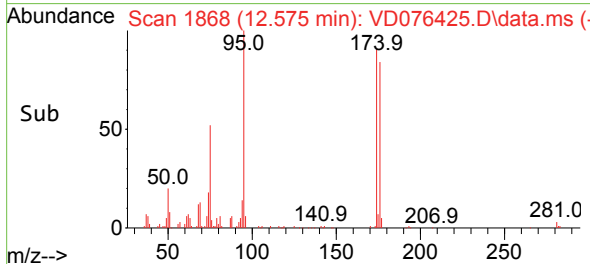
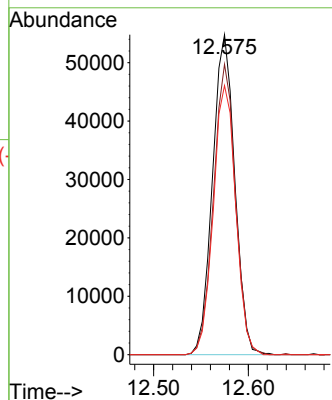
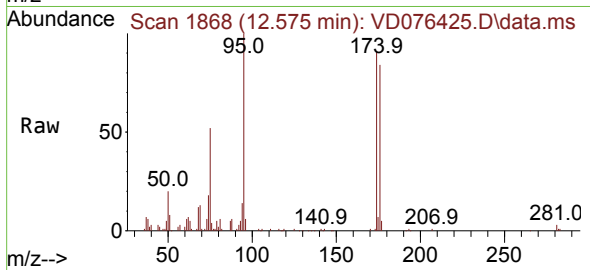




#62
4-Bromofluorobenzene
Concen: 28.514 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

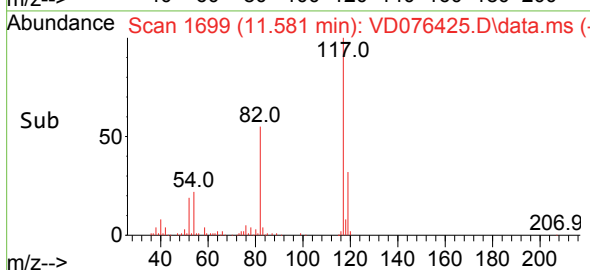
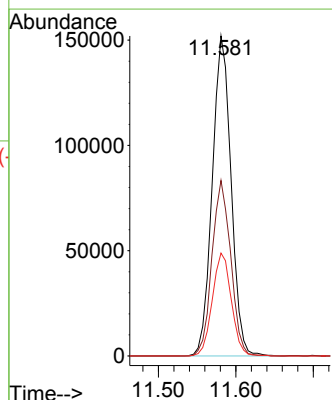
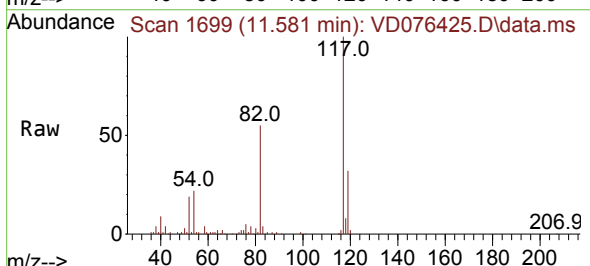
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

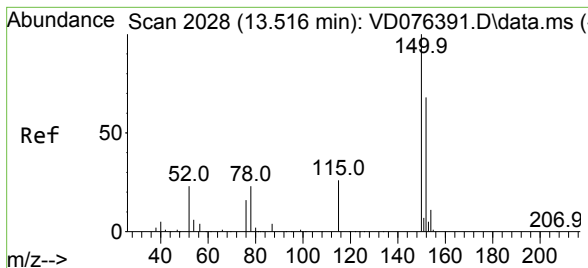
Tgt Ion: 95 Resp: 89408
Ion Ratio Lower Upper
95 100
174 89.5 0.0 201.8
176 84.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

Tgt Ion: 117 Resp: 256298
Ion Ratio Lower Upper
117 100
82 54.8 38.3 57.5
119 32.2 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: VD076425.D

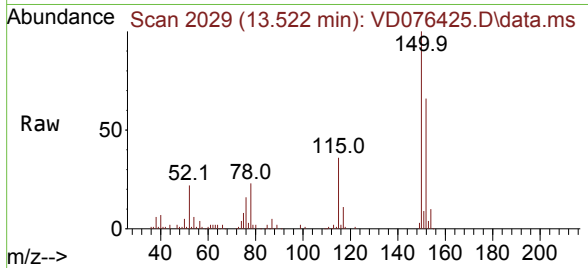
Acq: 14 Jun 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-16-GRAB-6



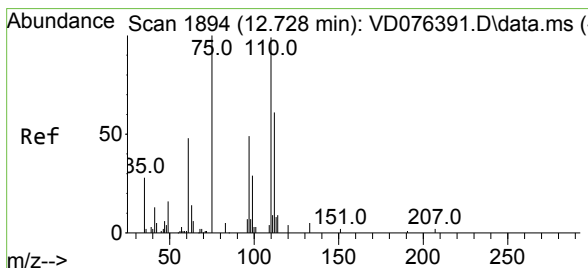
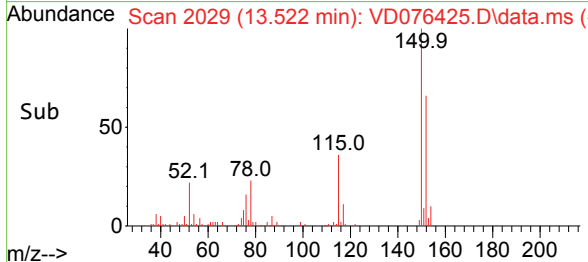
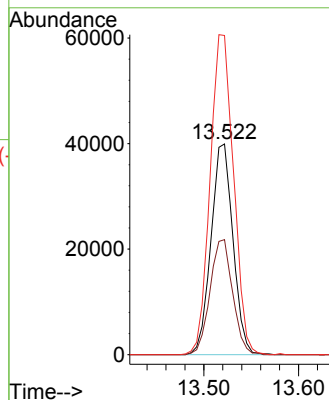
Tgt Ion:152 Resp: 64443

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 161.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 77.452 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD076425.D

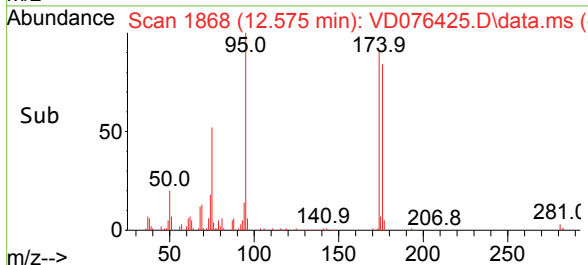
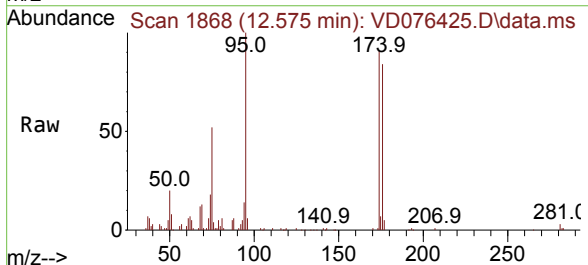
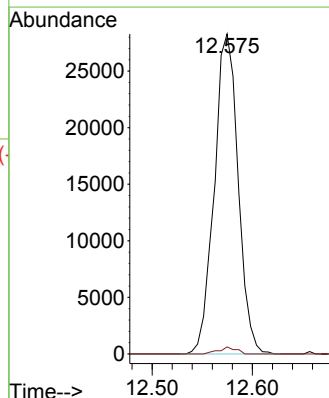
Acq: 14 Jun 2023 18:34

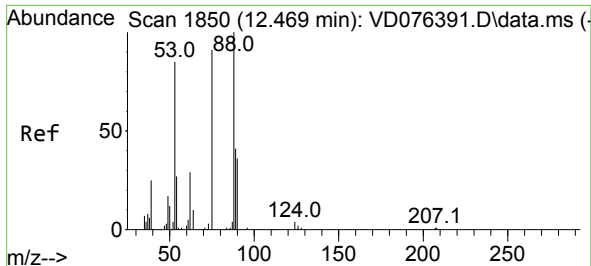
Tgt Ion: 75 Resp: 46662

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

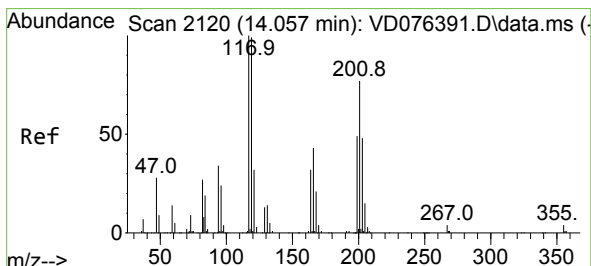
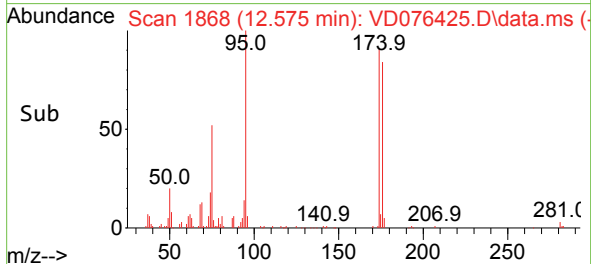
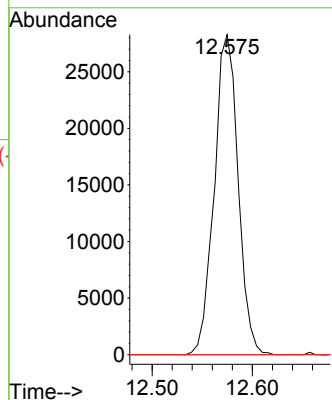
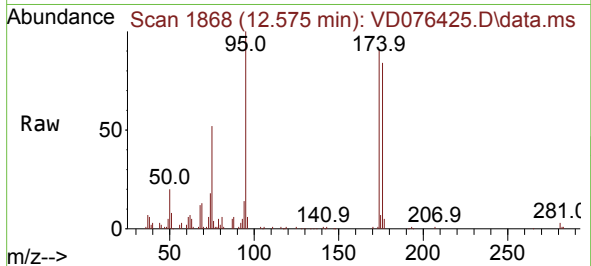




#81
trans-1,4-Dichloro-2-butene
Concen: 138.673 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

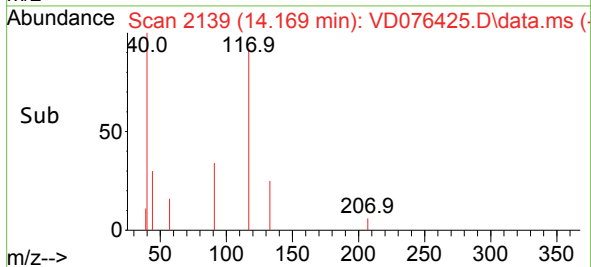
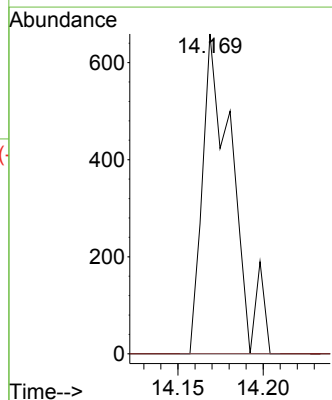
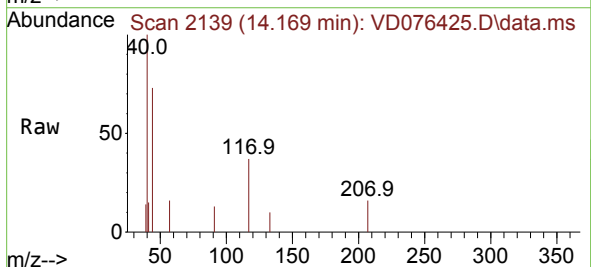
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-6

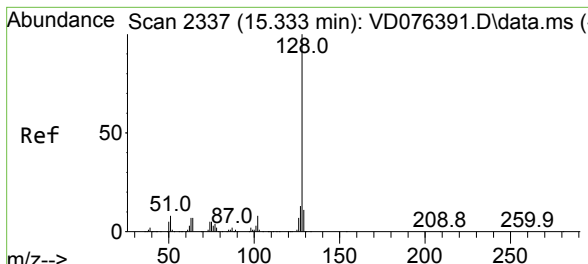
Tgt Ion: 75 Resp: 46662
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.008 ug/l
RT: 14.169 min Scan# 2139
Delta R.T. 0.112 min
Lab File: VD076425.D
Acq: 14 Jun 2023 18:34

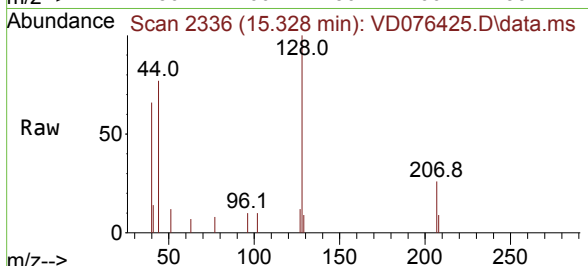
Tgt Ion: 117 Resp: 805
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#





#95
 Naphthalene
 Concen: 1.222 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD076425.D
 Acq: 14 Jun 2023 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-16-GRAB-6



Tgt Ion:	128	Resp:	3215
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.5	15.7
129	9.1	8.7	13.1

