

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062623\
 Data File : VD076579.D
 Acq On : 26 Jun 2023 14:27
 Operator : KP/SY
 Sample : 03361-05RE
 Misc : 14.13G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-28-GRAB-5RE

Quant Time: Jun 27 04:26:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

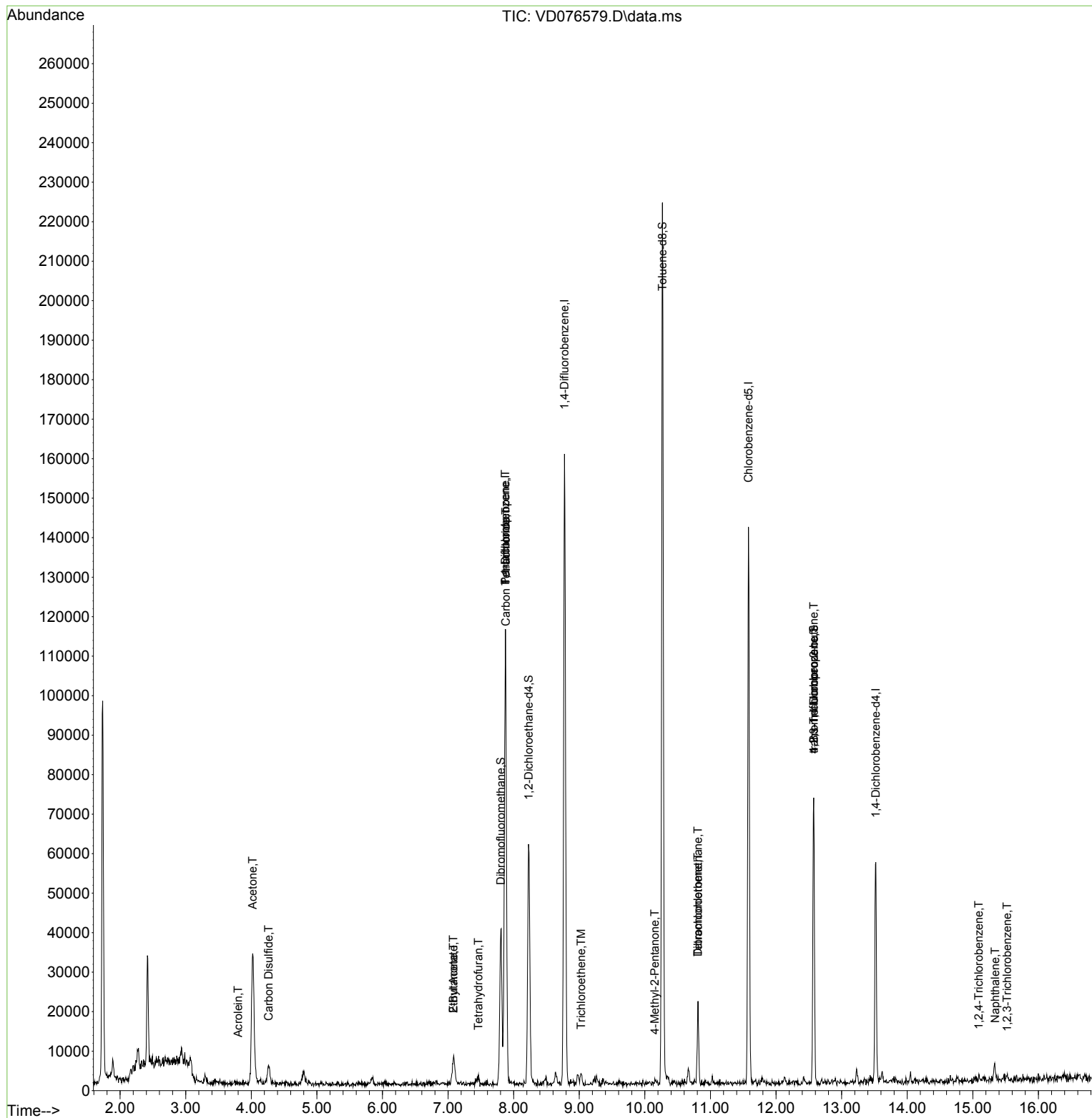
Internal Standards						
1) Pentafluorobenzene	7.875	168	85334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	135803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	77637	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	14700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	47811	55.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.840%
35) Dibromofluoromethane	7.804	113	29014	35.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	71.920%
50) Toluene-d8	10.269	98	146618	47.920	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.840%
62) 4-Bromofluorobenzene	12.575	95	21415	21.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	43.140%
Target Compounds						
					Qvalue	
13) Acrolein	3.799	56	158	1.987	ug/l #	1
16) Acetone	4.022	43	57765	283.926	ug/l	92
17) Carbon Disulfide	4.263	76	9423	4.417	ug/l #	95
20) Methylene Chloride	4.811	84	2116	Below Cal	#	86
25) 2-Butanone	7.081	43	9799	31.140	ug/l #	82
28) Bromochloromethane	7.522	49	64	Below Cal	#	1
29) Tetrahydrofuran	7.463	42	1305	6.453	ug/l #	34
36) 1,1-Dichloropropene	7.875	75	7488	6.628	ug/l #	47
37) Ethyl Acetate	7.081	43	9799	14.968	ug/l #	63
38) Carbon Tetrachloride	7.881	117	8992	8.905	ug/l #	11
44) Trichloroethene	9.028	130	1071	1.152	ug/l	56
51) 4-Methyl-2-Pentanone	10.151	43	1219	1.924	ug/l #	54
60) Dibromochloromethane	10.810	129	3246	3.985	ug/l #	12
64) Tetrachloroethene	10.810	164	4098	8.794	ug/l #	80
76) 1,2,3-Trichloropropane	12.575	75	11546	79.140	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	11546	173.413	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.092	180	695	2.488	ug/l	72
95) Naphthalene	15.339	128	4448	7.964	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.522	180	597	2.453	ug/l	83

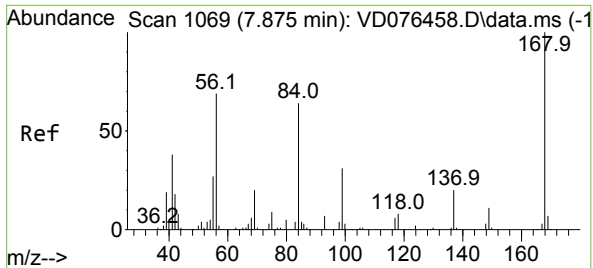
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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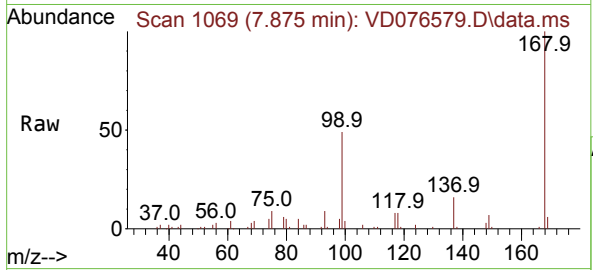
Quant Time: Jun 27 04:26:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
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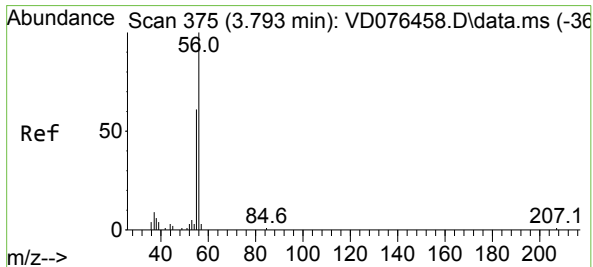
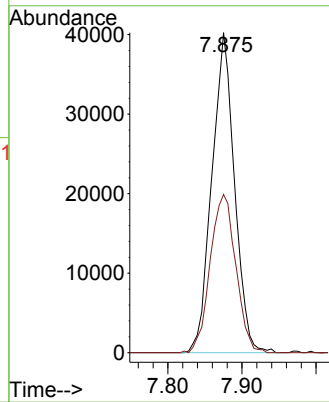
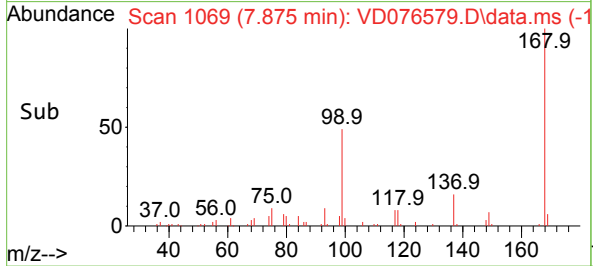


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

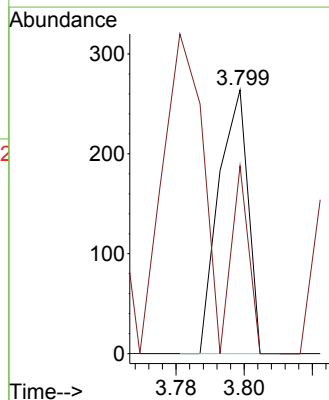
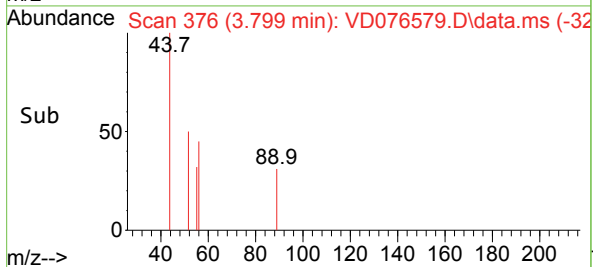
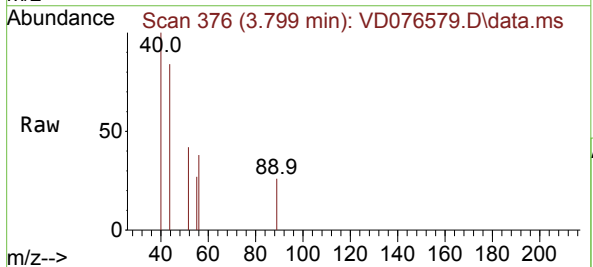


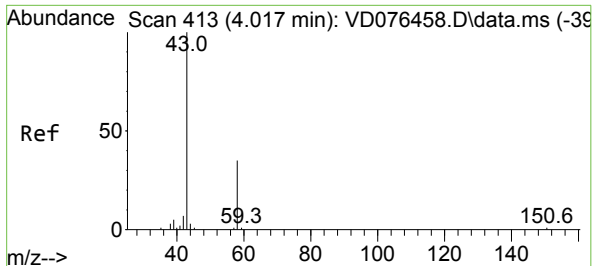
Tgt Ion:168 Resp: 85334
Ion Ratio Lower Upper
168 100
99 49.5 36.7 55.1



#13
Acrolein
Concen: 1.987 ug/l
RT: 3.799 min Scan# 376
Delta R.T. 0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 206.3 55.1 82.7#

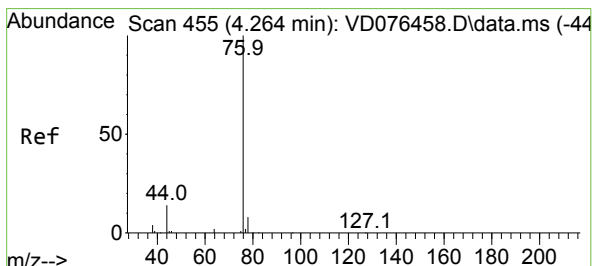
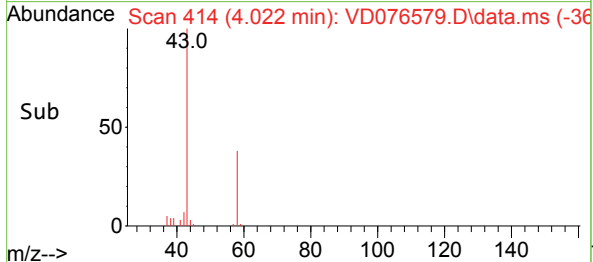
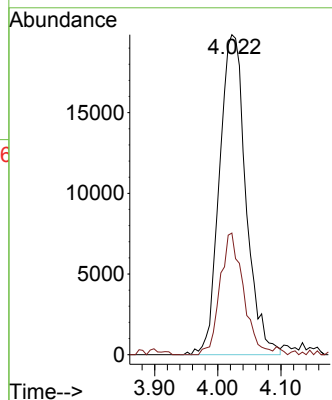
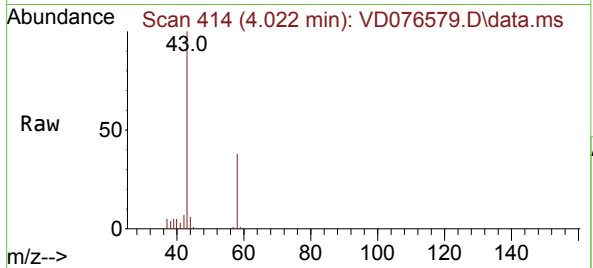




#16
Acetone
Concen: 283.926 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

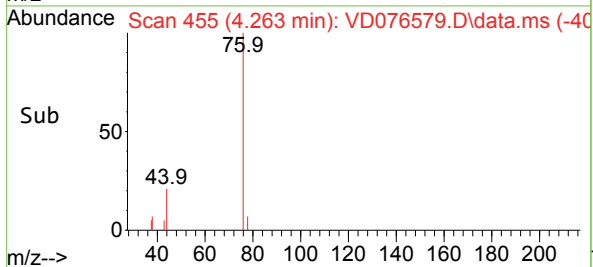
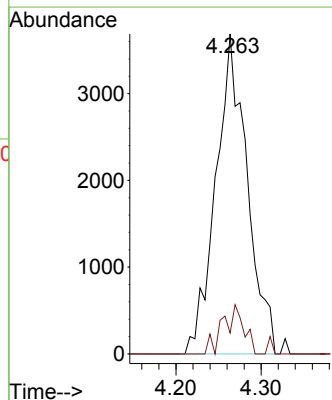
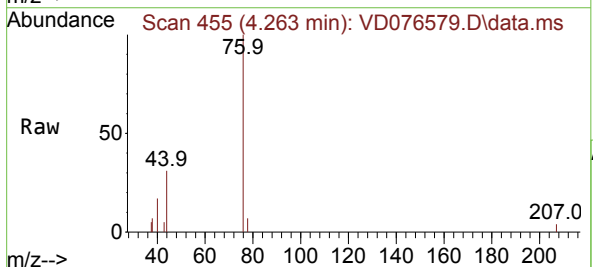
Instrument :
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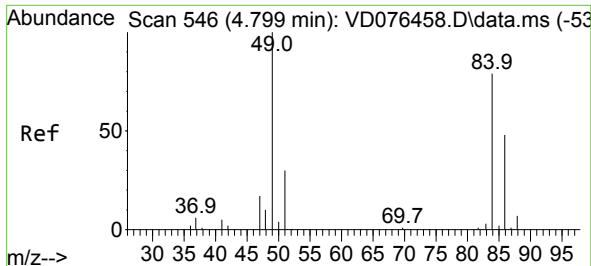
Tgt Ion: 43 Resp: 57765
Ion Ratio Lower Upper
43 100
58 38.0 34.7 52.1



#17
Carbon Disulfide
Concen: 4.417 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

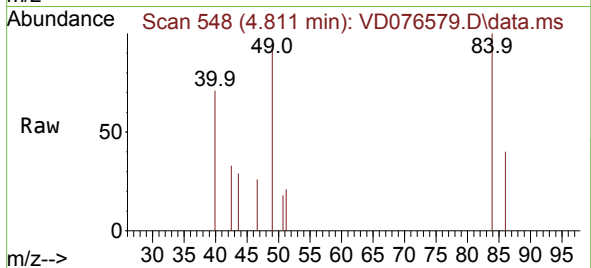
Tgt Ion: 76 Resp: 9423
Ion Ratio Lower Upper
76 100
78 6.6 6.8 10.2#



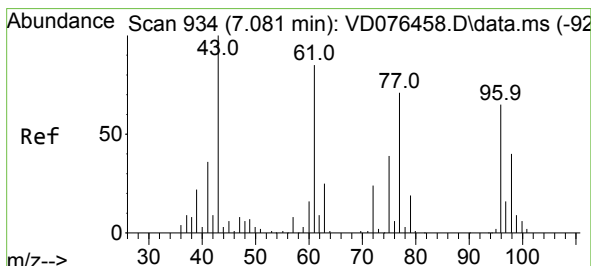
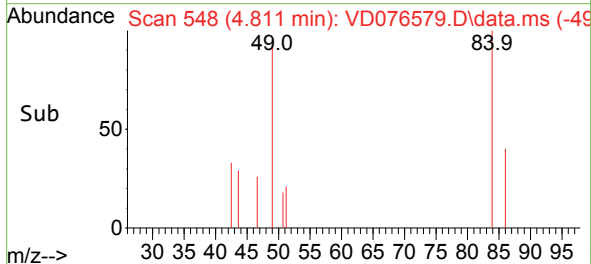
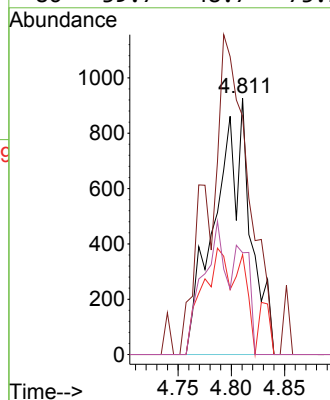


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 546
Delta R.T. 0.011 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

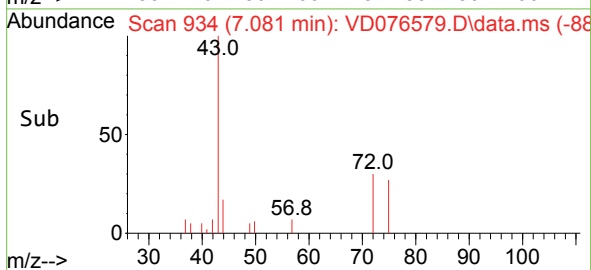
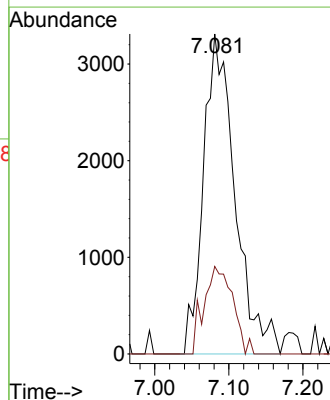
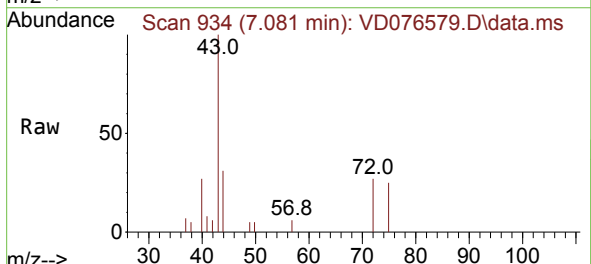


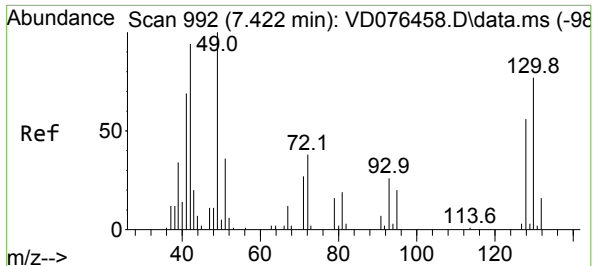
Tgt Ion: 84 Resp: 2116
Ion Ratio Lower Upper
84 100
49 93.1 71.4 107.2
51 39.0 24.5 36.7#
86 39.7 48.7 73.1#



#25
2-Butanone
Concen: 31.140 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion: 43 Resp: 9799
Ion Ratio Lower Upper
43 100
72 27.4 30.7 46.1#

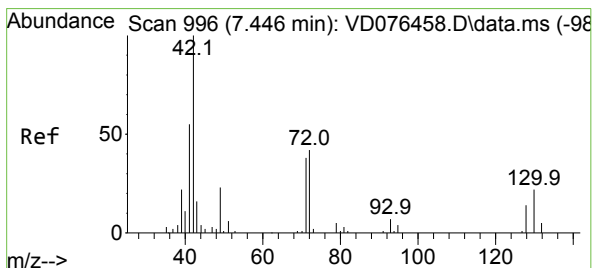
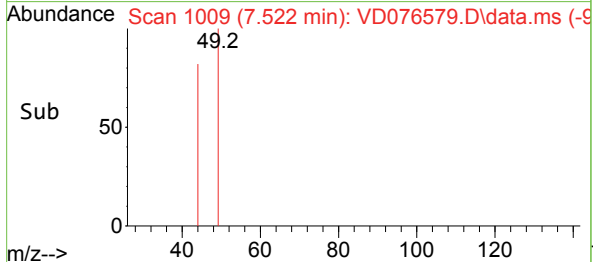
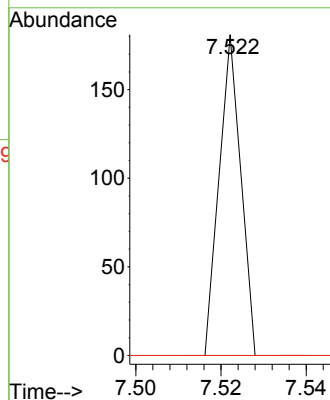
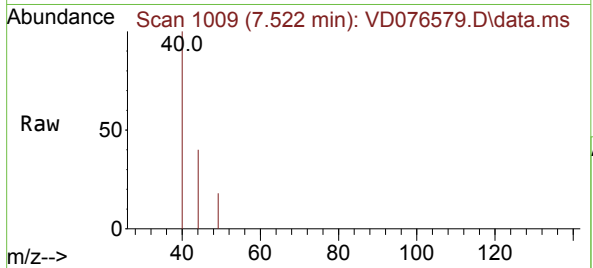




#28
Bromochloromethane
Concen: Below Cal
RT: 7.522 min Scan# 1009
Delta R.T. 0.100 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

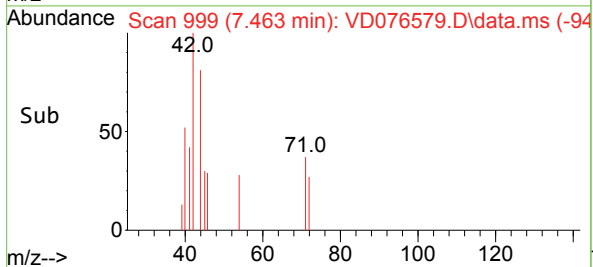
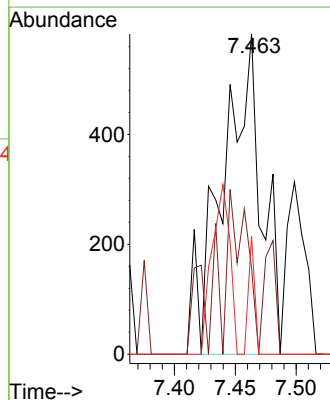
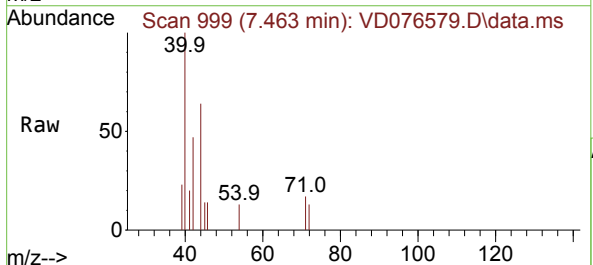
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

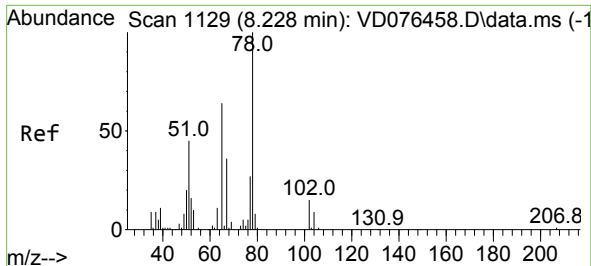
Tgt Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 6.453 ug/l
RT: 7.463 min Scan# 999
Delta R.T. 0.017 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion: 42 Resp: 1305
Ion Ratio Lower Upper
42 100
72 10.3 46.5 69.7#
71 5.8 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 55.921 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076579.D

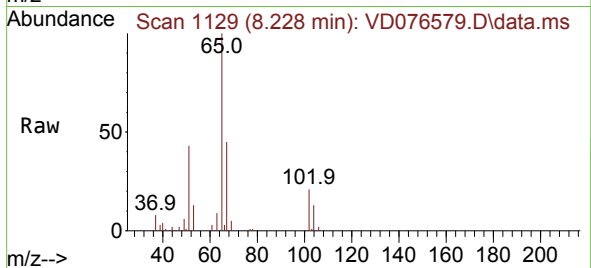
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Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-28-GRAB-5RE

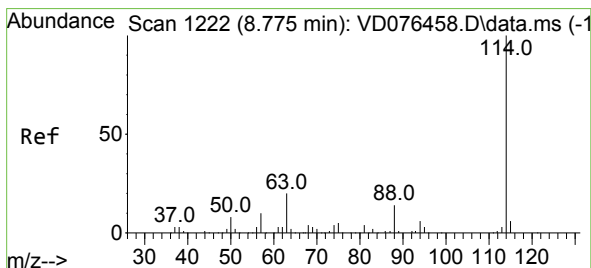
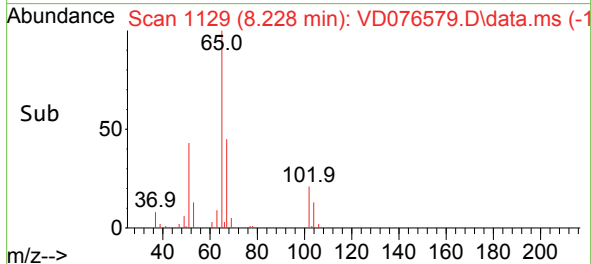
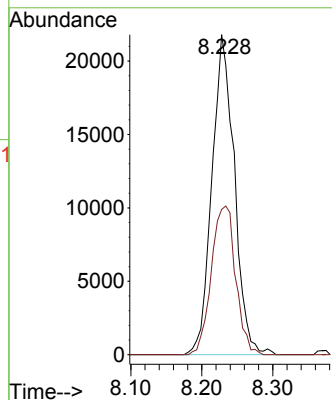


Tgt Ion: 65 Resp: 47811

Ion Ratio Lower Upper

65 100

67 50.3 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: VD076579.D

Acq: 26 Jun 2023 14:27

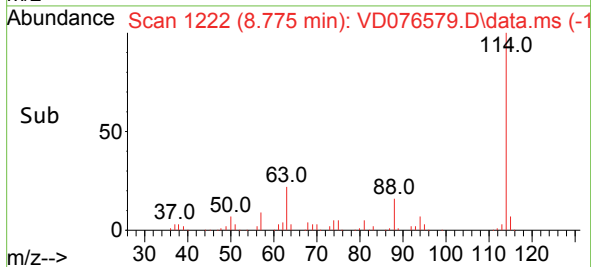
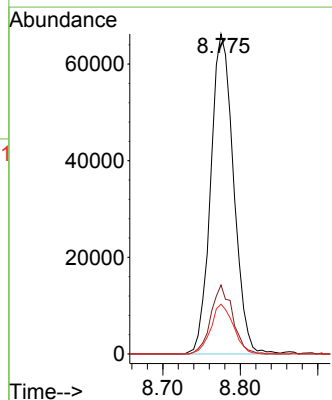
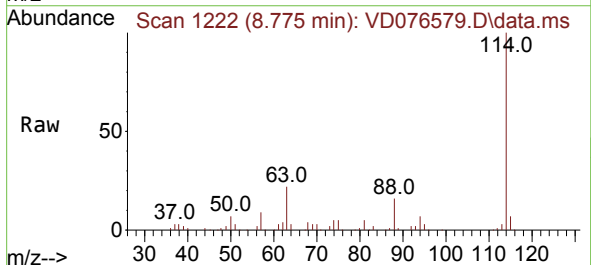
Tgt Ion: 114 Resp: 135803

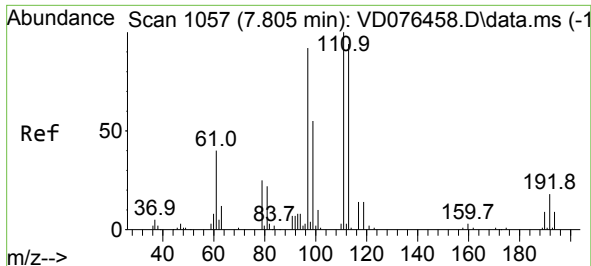
Ion Ratio Lower Upper

114 100

63 21.6 0.0 33.4

88 15.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 35.964 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076579.D

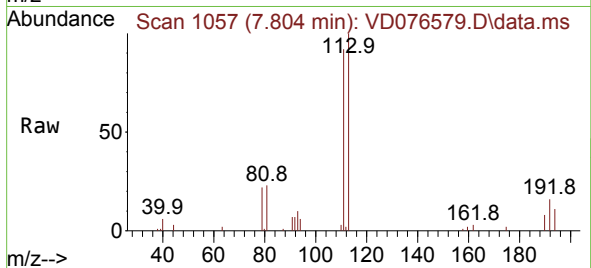
Acq: 26 Jun 2023 14:27

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ClientSampleId :

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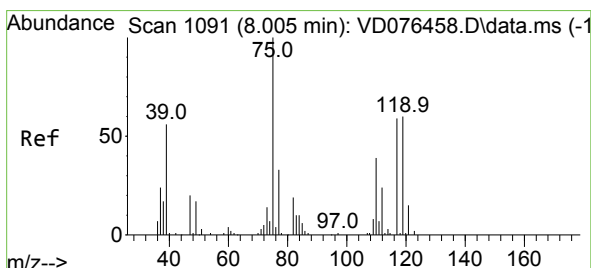
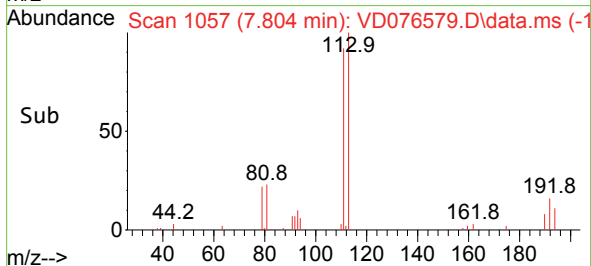
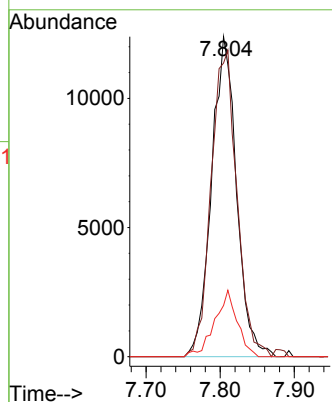
Tgt Ion:113 Resp: 29014

Ion Ratio Lower Upper

113 100

111 98.8 84.7 127.1

192 18.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 6.628 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076579.D

Acq: 26 Jun 2023 14:27

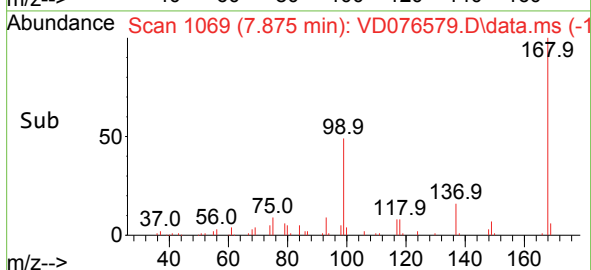
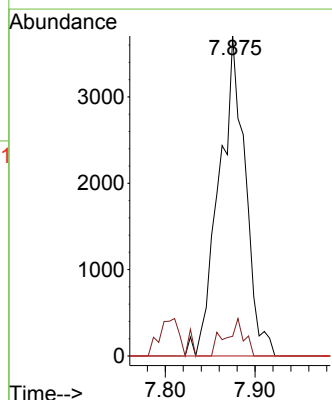
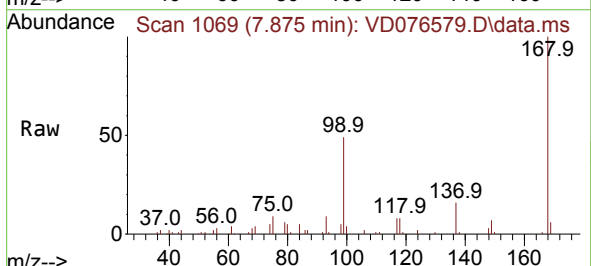
Tgt Ion: 75 Resp: 7488

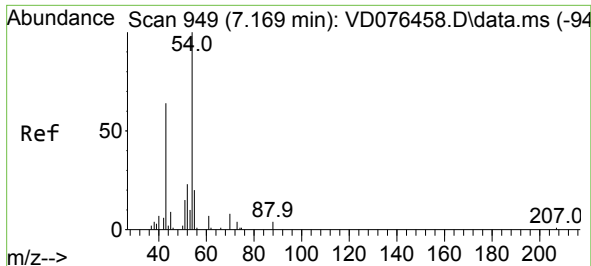
Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 14.968 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD076579.D

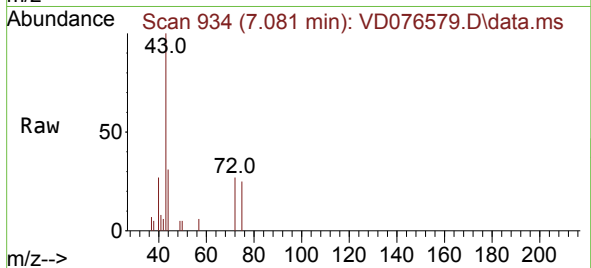
Acq: 26 Jun 2023 14:27

Instrument :

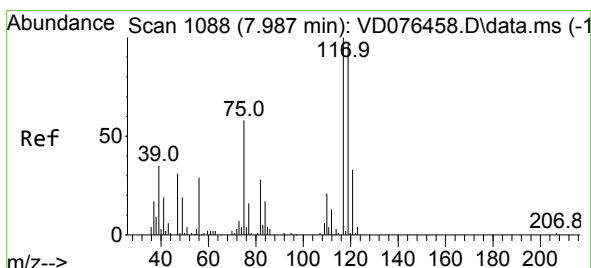
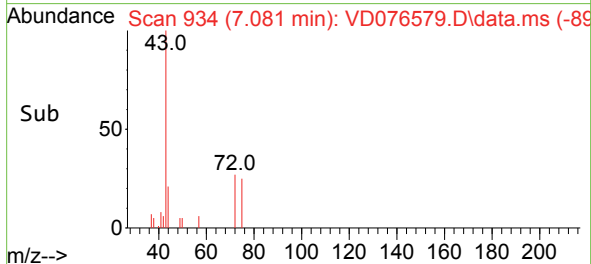
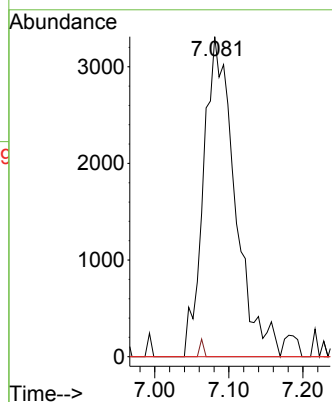
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-28-GRAB-5RE



Tgt Ion:	43	Resp:	9799
Ion	Ratio	Lower	Upper
43	100		
61	0.7	14.9	22.3#
70	0.0	10.0	15.0#



#38

Carbon Tetrachloride

Concen: 8.905 ug/l

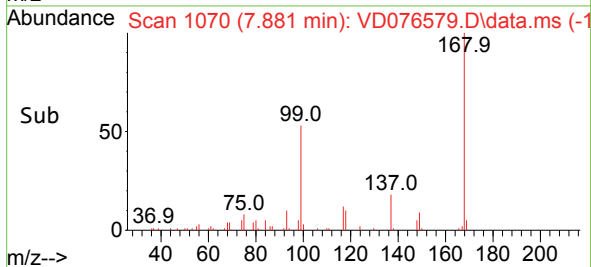
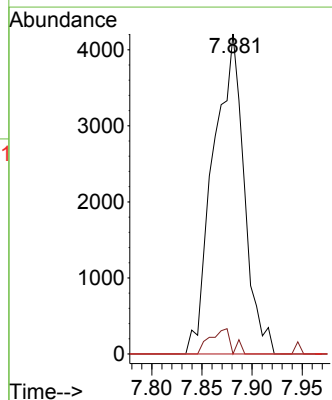
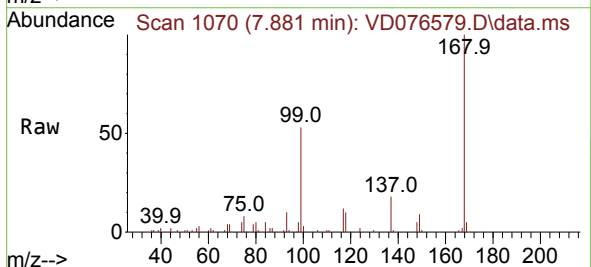
RT: 7.881 min Scan# 1070

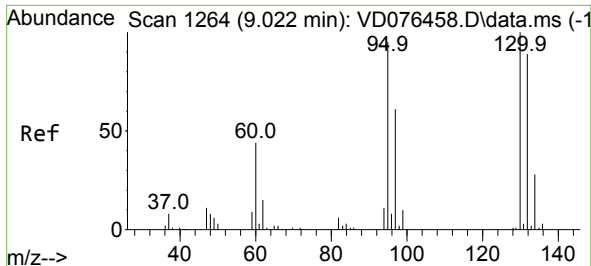
Delta R.T. -0.106 min

Lab File: VD076579.D

Acq: 26 Jun 2023 14:27

Tgt Ion:	117	Resp:	8992
Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.0	117.0#
121	0.0	24.2	36.2#

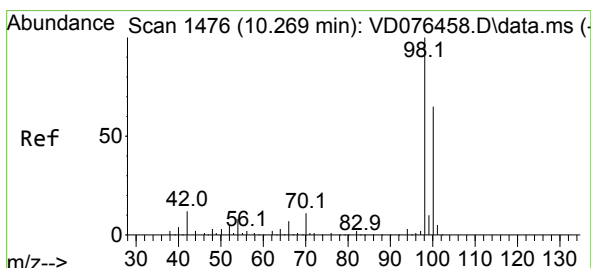
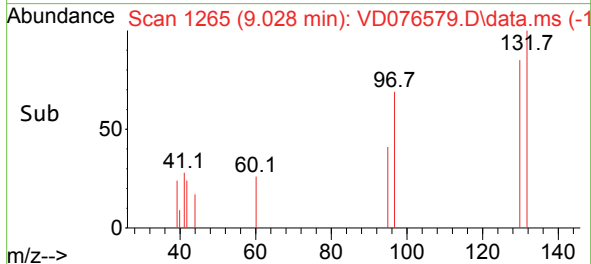
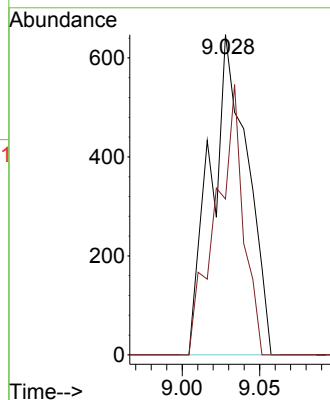
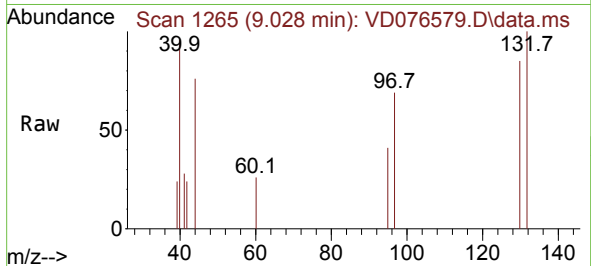




#44
Trichloroethene
Concen: 1.152 ug/l
RT: 9.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

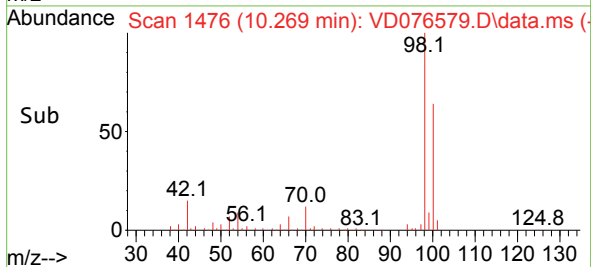
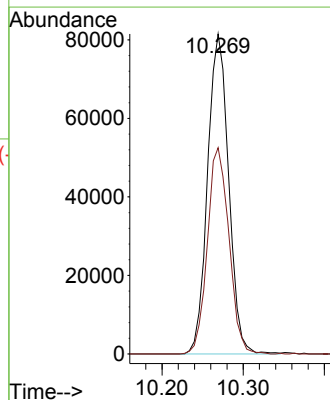
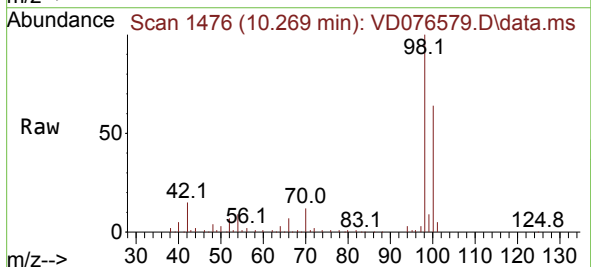
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

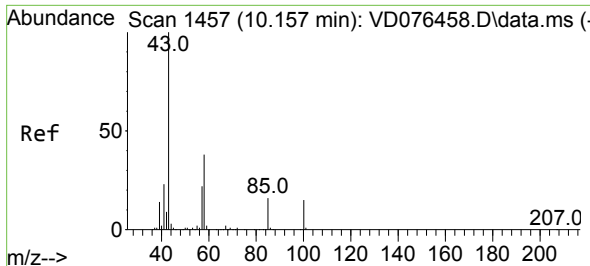
Tgt Ion:130 Resp: 1071
Ion Ratio Lower Upper
130 100
95 48.7 0.0 179.2



#50
Toluene-d8
Concen: 47.920 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion: 98 Resp: 146618
Ion Ratio Lower Upper
98 100
100 66.1 50.3 75.5

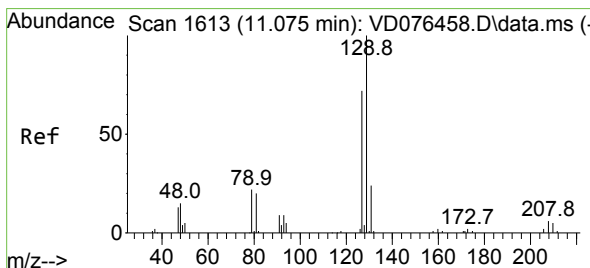
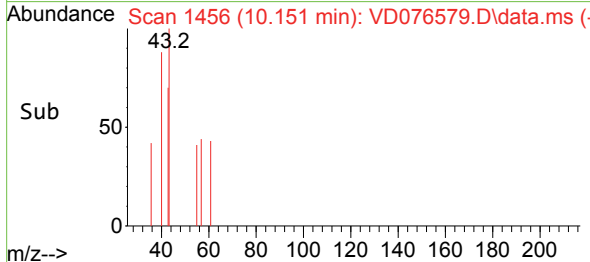
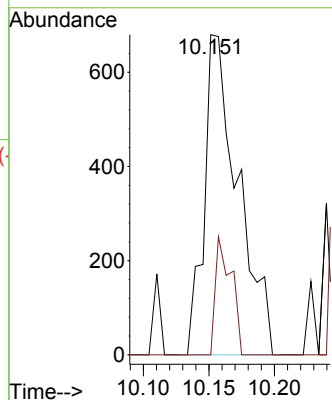
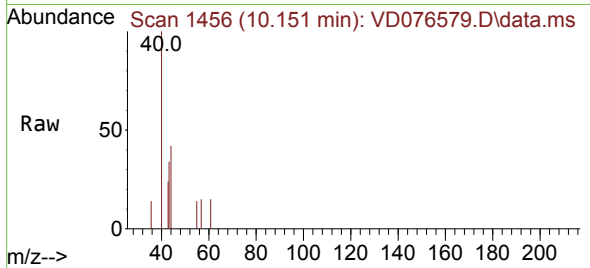




#51
4-Methyl-2-Pentanone
Concen: 1.924 ug/l
RT: 10.151 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

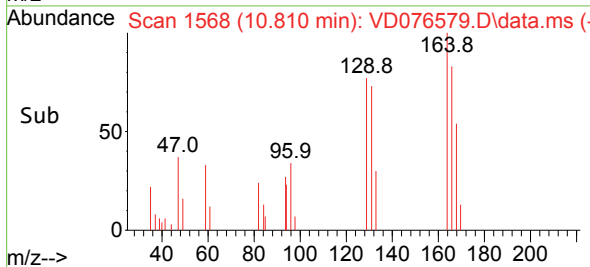
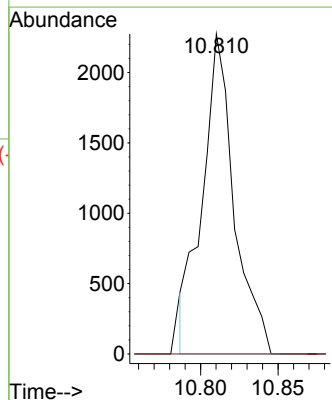
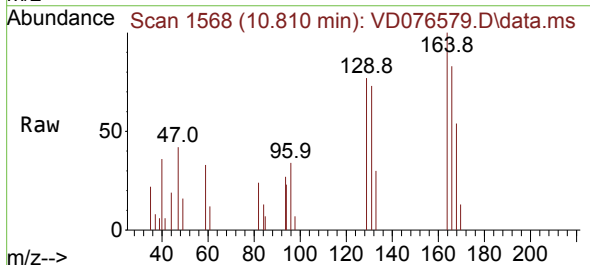
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-28-GRAB-5RE

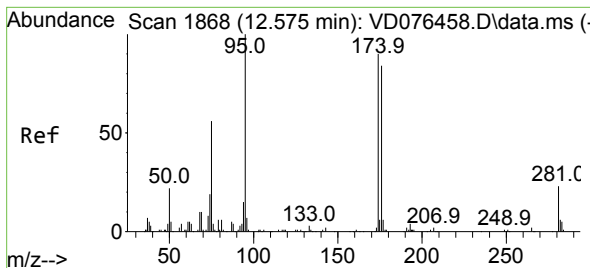
Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
58 17.3 38.9 58.3#



#60
Dibromochloromethane
Concen: 3.985 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.265 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion:129 Resp: 3246
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#

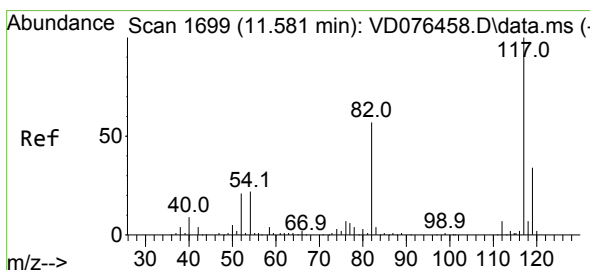
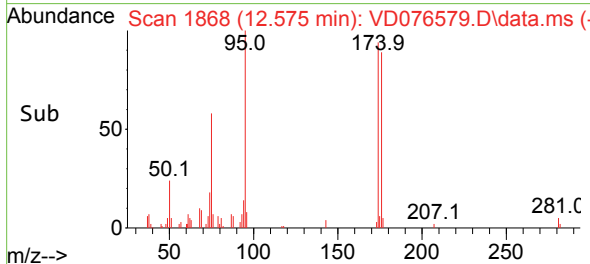
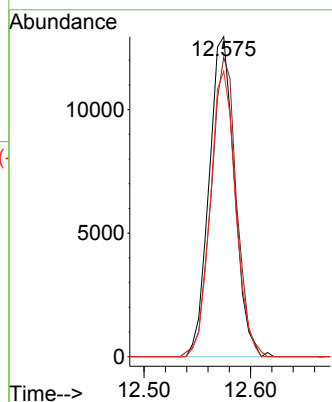
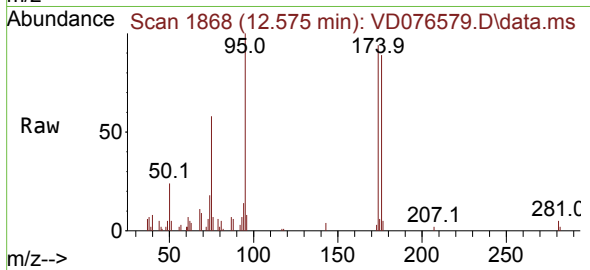




#62
4-Bromofluorobenzene
Concen: 21.567 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

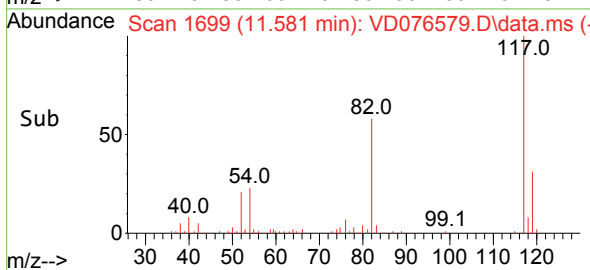
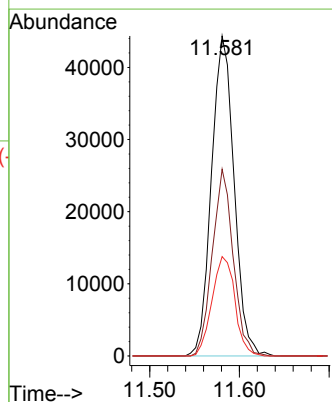
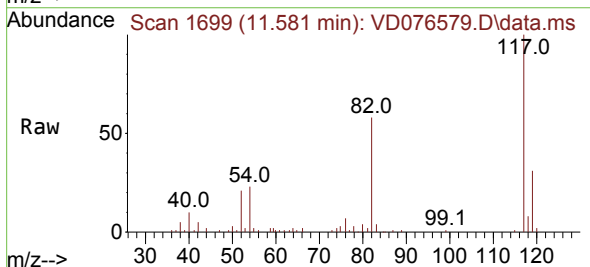
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

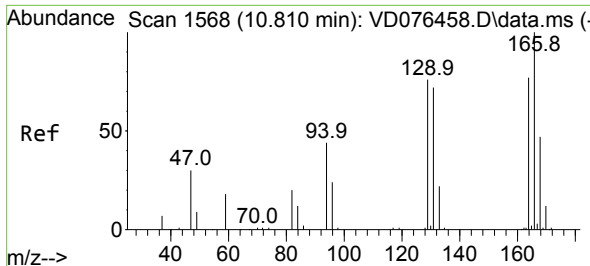
Tgt Ion:	95	Resp:	21415
Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	201.8
176	88.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion:	117	Resp:	77637
Ion	Ratio	Lower	Upper
117	100		
82	58.3	38.3	57.5#
119	31.0	25.0	37.4

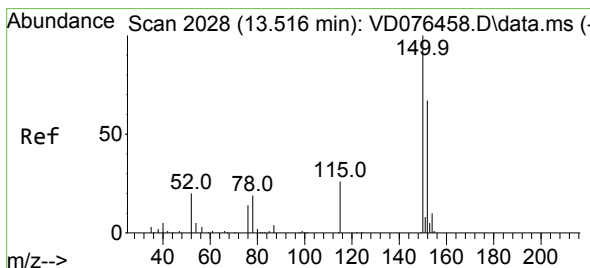
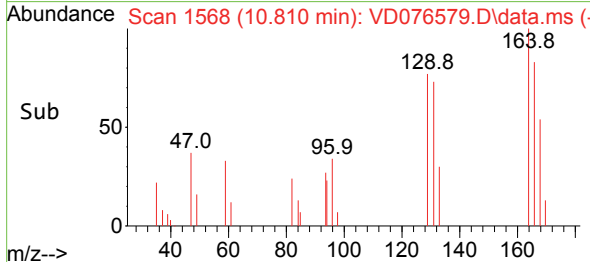
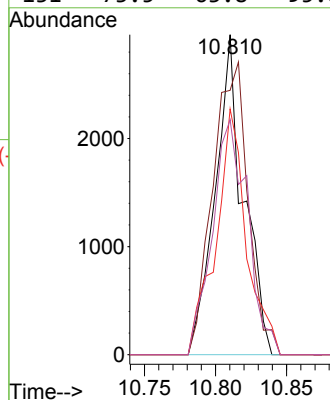
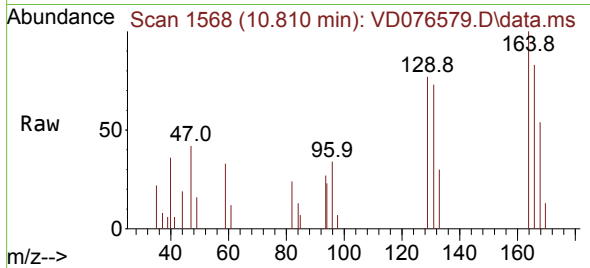




#64
Tetrachloroethene
Concen: 8.794 ug/l
RT: 10.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

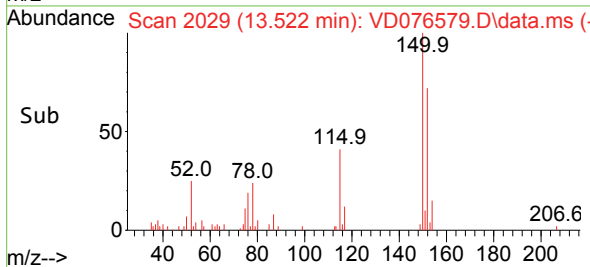
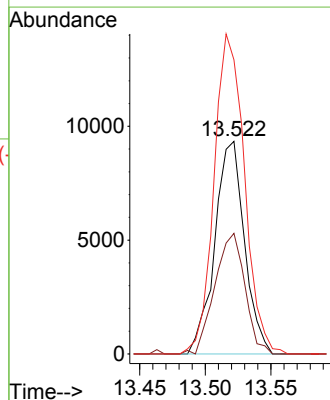
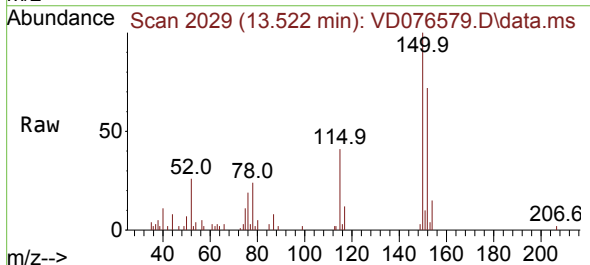
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

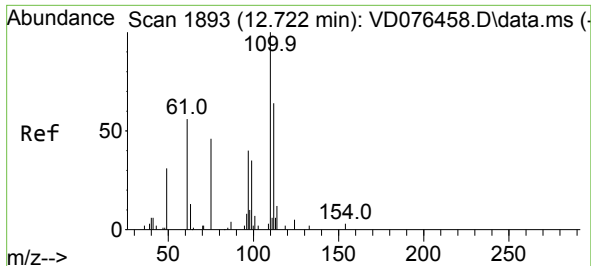
Tgt Ion:164 Resp: 4098
Ion Ratio Lower Upper
164 100
166 82.6 99.2 148.8#
129 76.8 68.4 102.6
131 73.5 63.8 95.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion:152 Resp: 14700
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 154.0 0.0 353.6

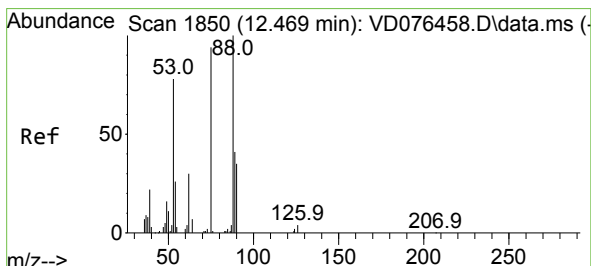
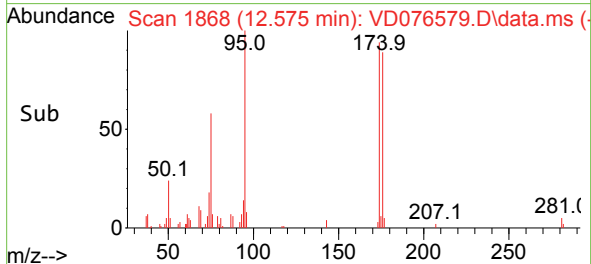
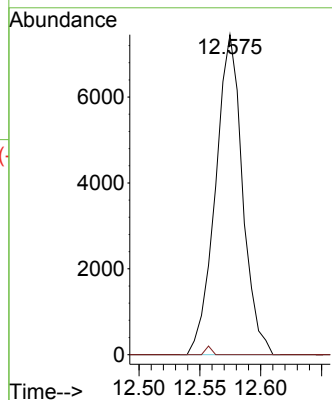
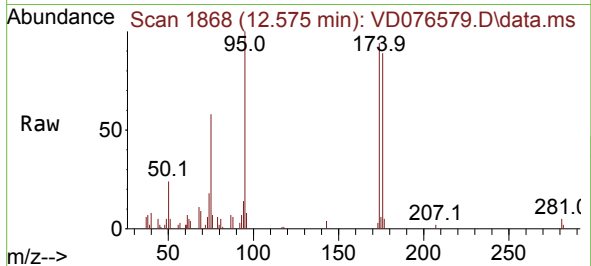




#76
1,2,3-Trichloropropane
Concen: 79.140 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

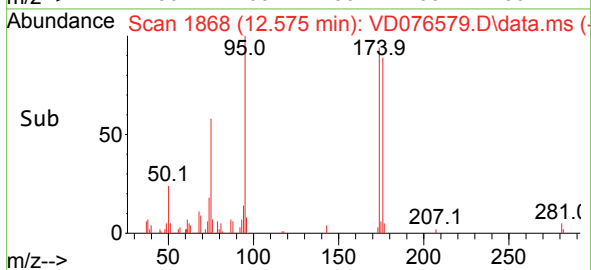
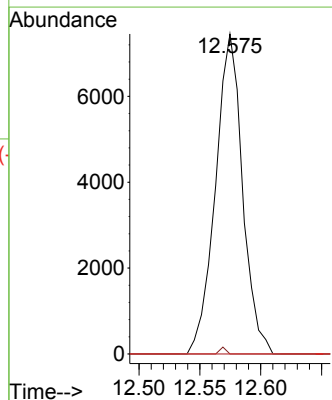
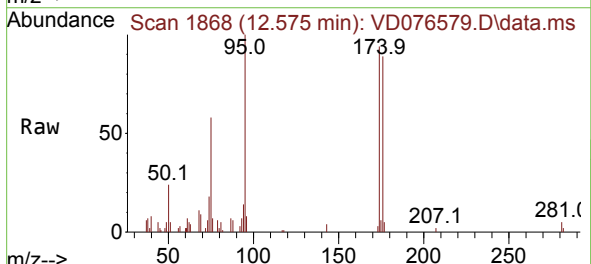
Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-28-GRAB-5RE

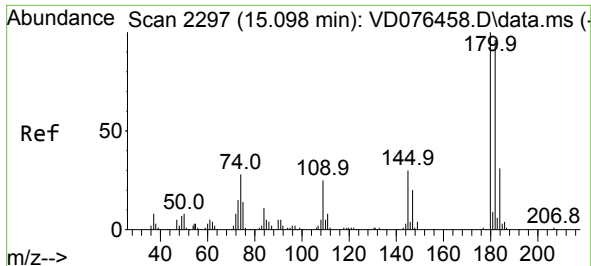
Tgt Ion: 75 Resp: 11546
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 173.413 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

Tgt Ion: 75 Resp: 11546
Ion Ratio Lower Upper
75 100
53 0.5 63.0 94.4#
89 0.0 37.9 56.9#

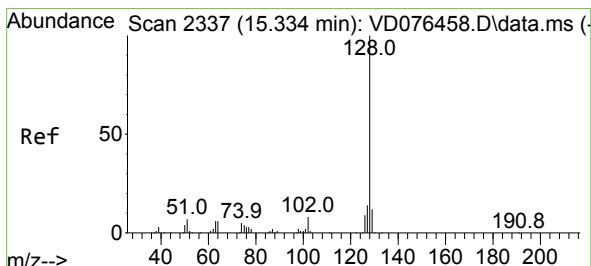
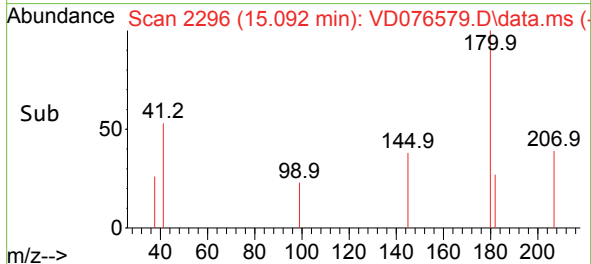
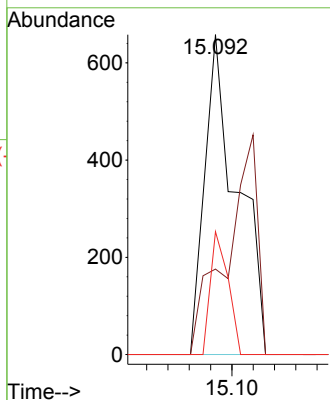
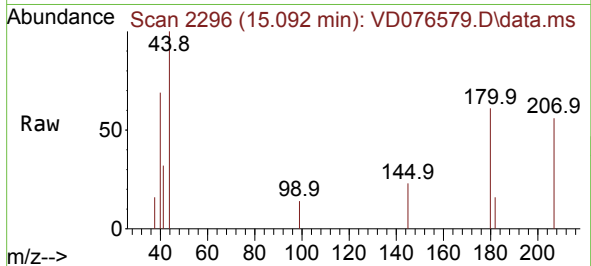




#93
1,2,4-Trichlorobenzene
Concen: 2.488 ug/l
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

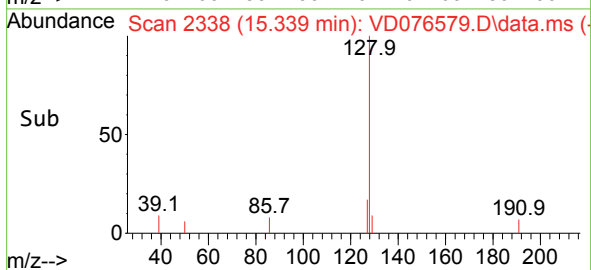
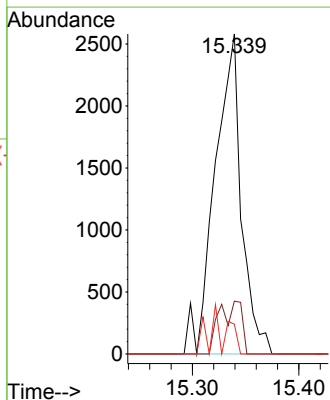
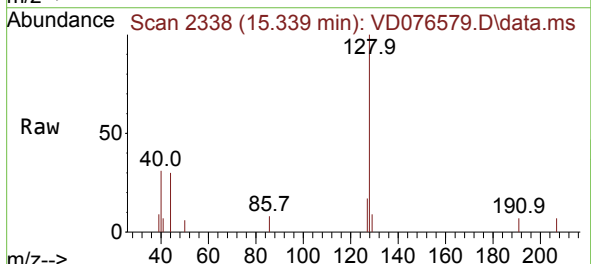
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-28-GRAB-5RE

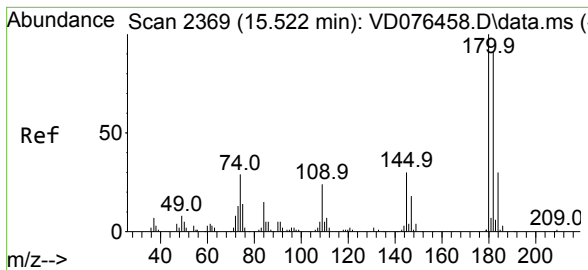
Tgt Ion:180	Resp:	695
Ion Ratio	Lower	Upper
180	100	
182	65.8	48.5 145.6
145	20.9	14.2 42.6



#95
Naphthalene
Concen: 7.964 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD076579.D
Acq: 26 Jun 2023 14:27

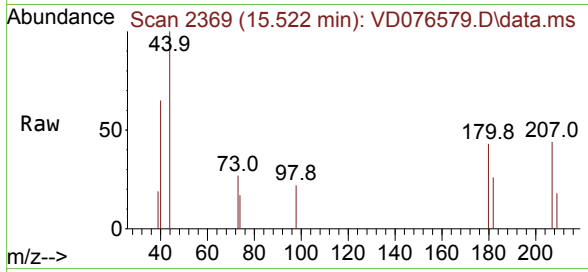
Tgt Ion:128	Resp:	4448
Ion Ratio	Lower	Upper
128	100	
127	16.5	10.5 15.7#
129	9.3	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.453 ug/l
 RT: 15.522 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD076579.D
 Acq: 26 Jun 2023 14:27

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-28-GRAB-5RE



Tgt Ion:180	Resp:	597
Ion	Ratio	Lower Upper
180	100	
182	107.5	47.3 141.9
145	15.4	15.1 45.3

