

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076424.D
 Acq On : 14 Jun 2023 18:03
 Operator : KP/SY
 Sample : 03222-12
 Misc : 9.11G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-GRAB-5-SB-26

Quant Time: Jun 15 05:35:16 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	17529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	34616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	33226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	12716	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	19115	94.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.820%#	
35) Dibromofluoromethane	7.805	113	14877	66.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.000%	
50) Toluene-d8	10.269	98	42291	49.881	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.575	95	13495	46.397	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.800%	

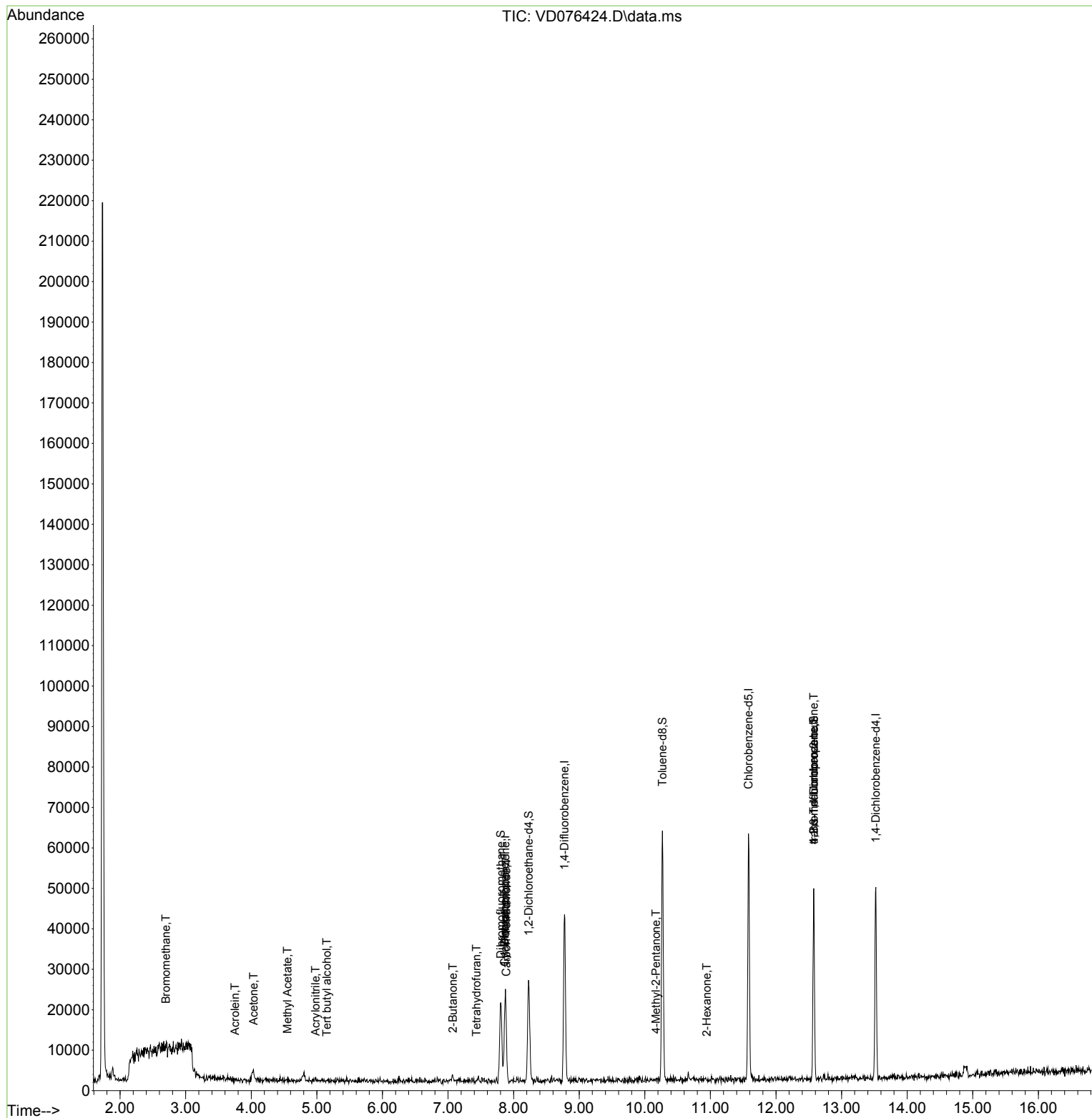
Target Compounds			Qvalue			
5) Bromomethane	2.699	94	653	4.393	ug/l #	70
11) Tert butyl alcohol	5.152	59	54	3.190	ug/l #	73
13) Acrolein	3.752	56	54	2.781	ug/l #	15
15) Acrylonitrile	4.981	53	71	1.361	ug/l #	18
16) Acetone	4.034	43	4864	109.282	ug/l	95
18) Methyl Acetate	4.552	43	324	1.597	ug/l #	42
20) Methylene Chloride	4.781	84	491	Below Cal	#	77
25) 2-Butanone	7.075	43	278	3.994	ug/l #	37
28) Bromochloromethane	7.363	49	55	Below Cal	#	1
29) Tetrahydrofuran	7.434	42	163	3.670	ug/l #	23
31) Cyclohexane	7.863	56	484	1.494	ug/l #	47
36) 1,1-Dichloropropene	7.863	75	791	2.422	ug/l #	39
38) Carbon Tetrachloride	7.887	117	1916	6.320	ug/l #	11
51) 4-Methyl-2-Pentanone	10.169	43	221	1.236	ug/l #	28
59) 2-Hexanone	10.946	43	130	1.037	ug/l	67
76) 1,2,3-Trichloropropane	12.575	75	7553	63.535	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	7553	113.755	ug/l #	17

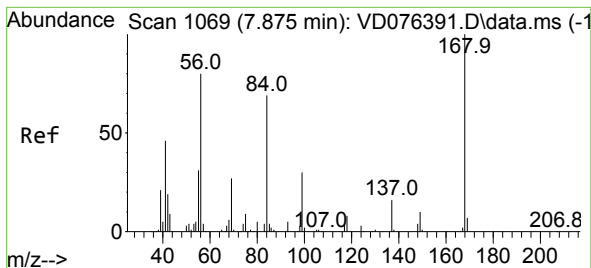
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076424.D

Acq: 14 Jun 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

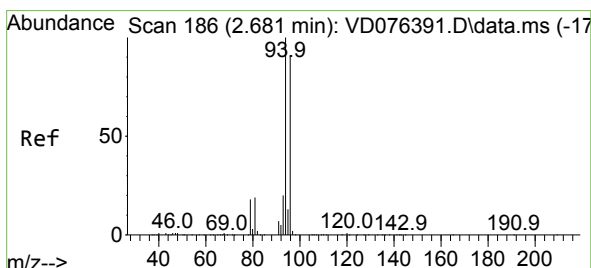
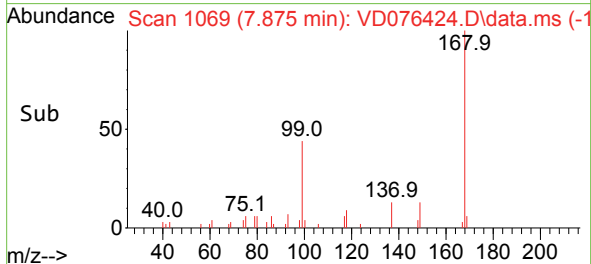
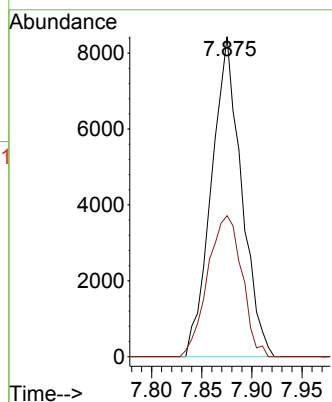
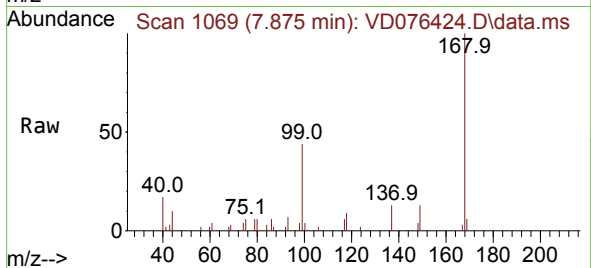
TOTAL-VOC-GRAB-5-SB-26

Tgt Ion:168 Resp: 17529

Ion Ratio Lower Upper

168 100

99 44.1 36.7 55.1



#5

Bromomethane

Concen: 4.393 ug/l

RT: 2.699 min Scan# 189

Delta R.T. 0.018 min

Lab File: VD076424.D

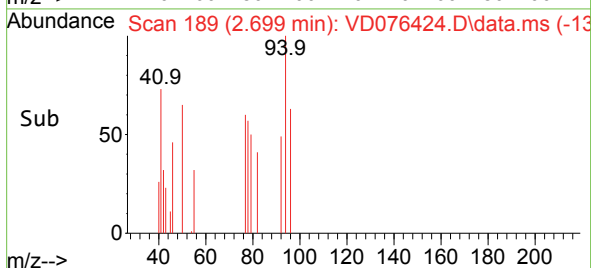
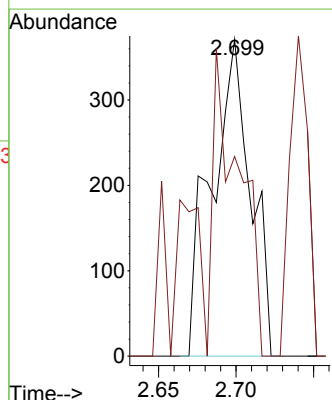
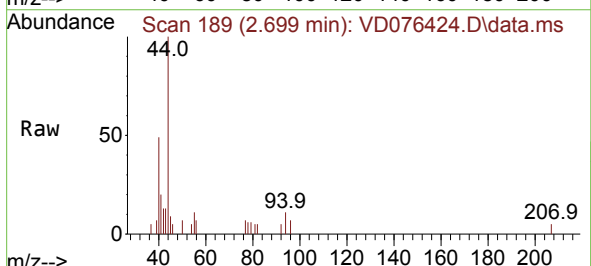
Acq: 14 Jun 2023 18:03

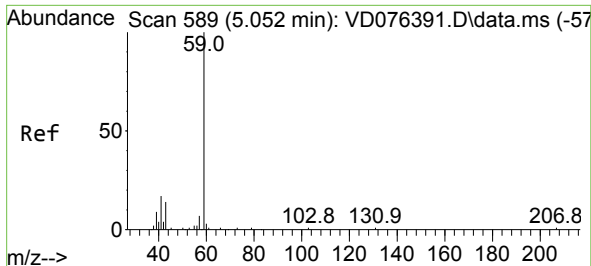
Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

94 100

96 65.2 75.8 113.8#

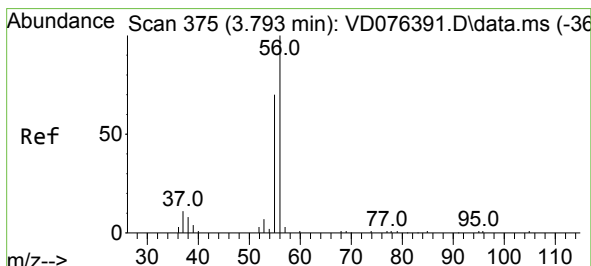
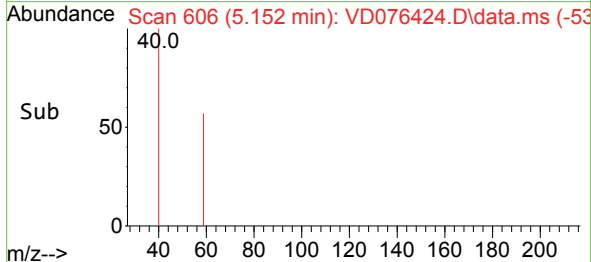
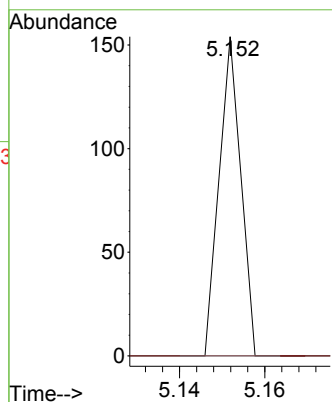
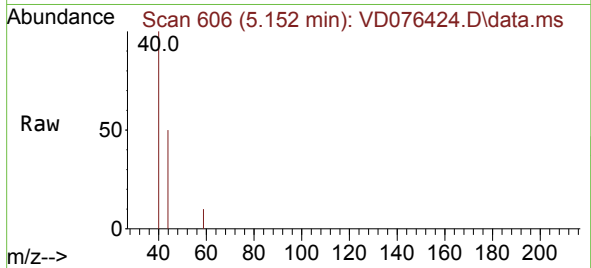




#11
Tert butyl alcohol
Concen: 3.190 ug/l
RT: 5.152 min Scan# 60
Delta R.T. 0.100 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

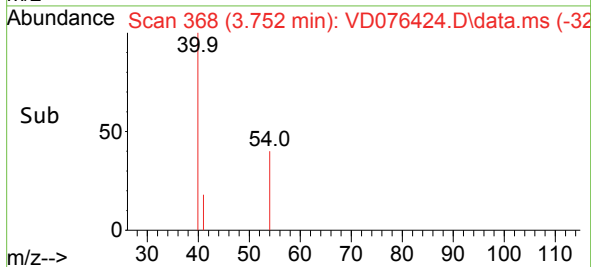
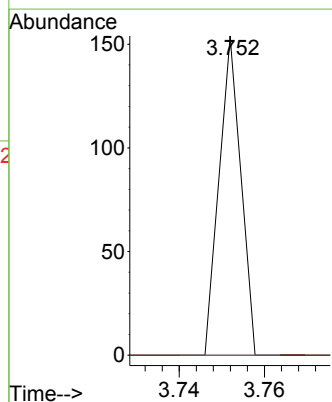
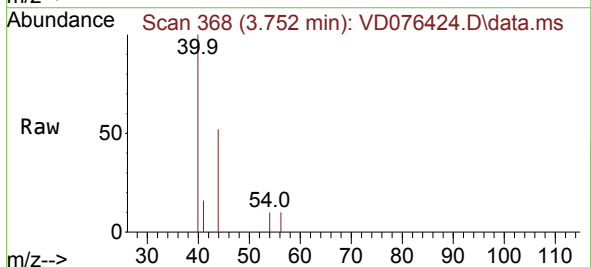
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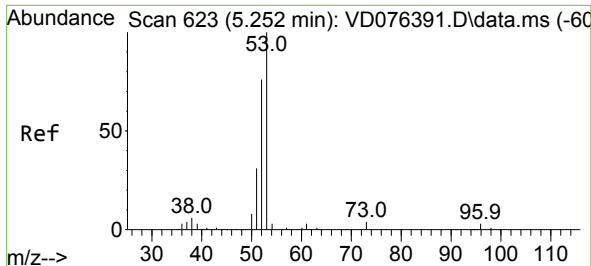
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 2.781 ug/l
RT: 3.752 min Scan# 368
Delta R.T. -0.041 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

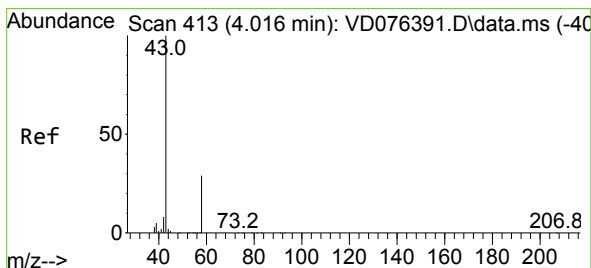
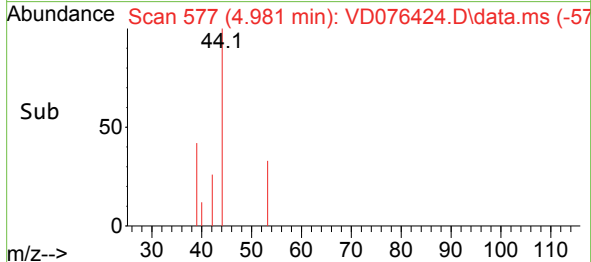
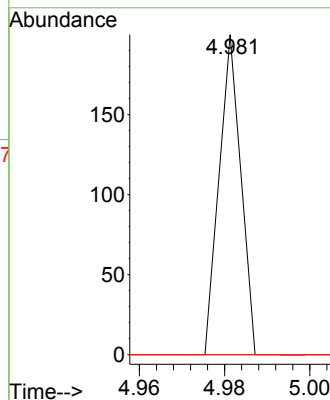
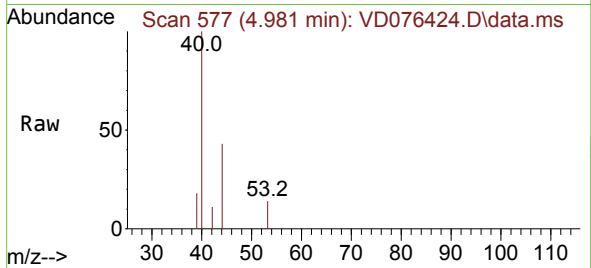




#15
Acrylonitrile
Concen: 1.361 ug/l
RT: 4.981 min Scan# 51
Delta R.T. -0.270 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

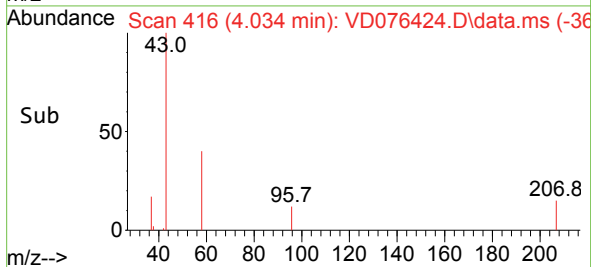
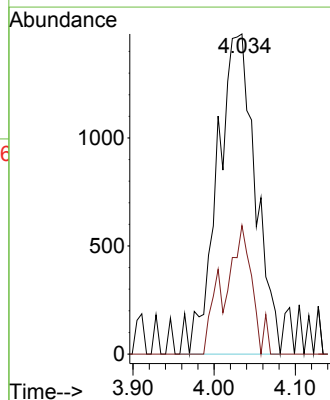
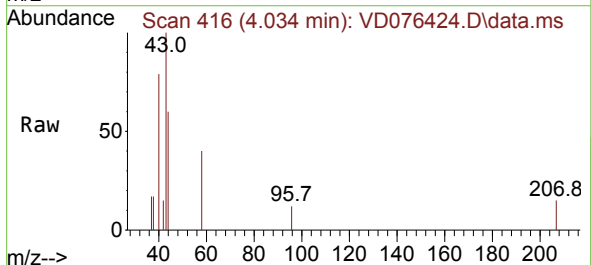
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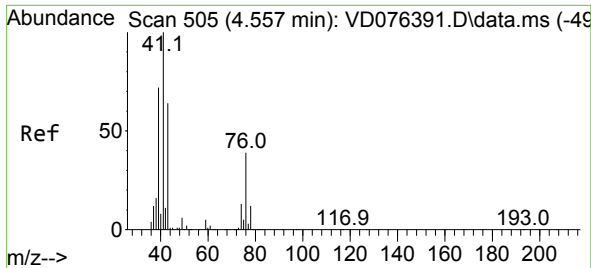
Tgt Ion: 53 Resp: 71
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 109.282 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.018 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 43 Resp: 4864
Ion Ratio Lower Upper
43 100
58 40.2 34.7 52.1

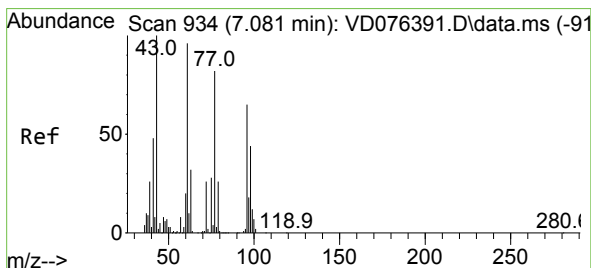
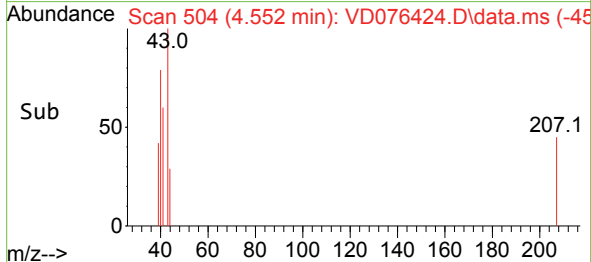
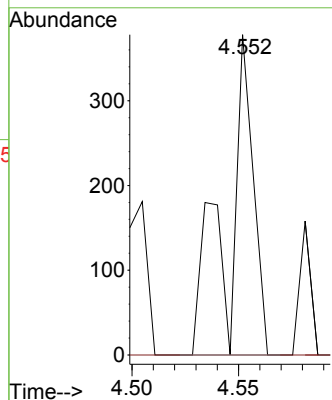
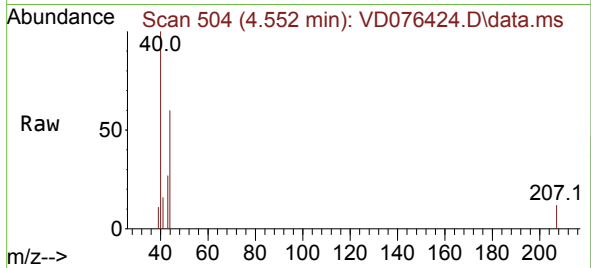




#18
Methyl Acetate
Concen: 1.597 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.005 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

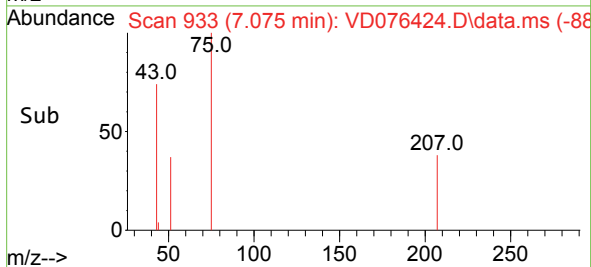
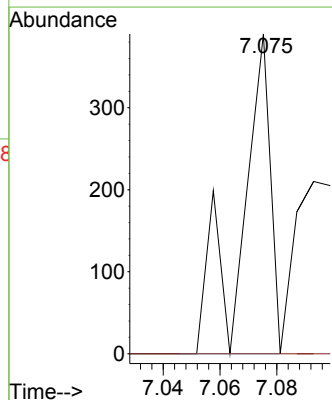
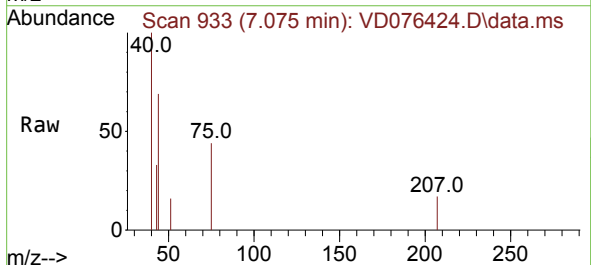
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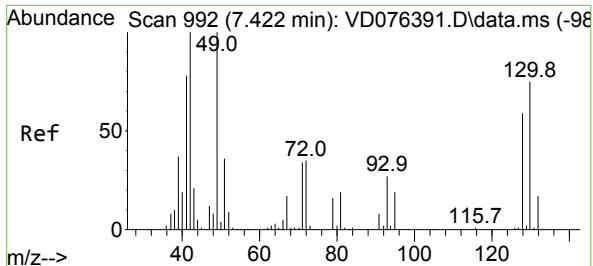
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#25
2-Butanone
Concen: 3.994 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

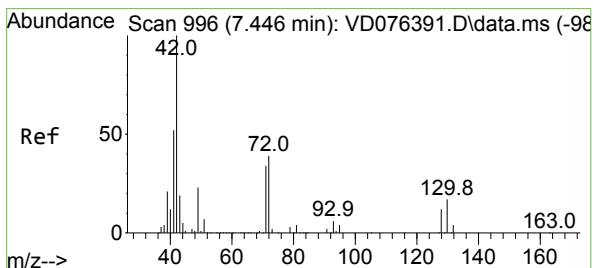
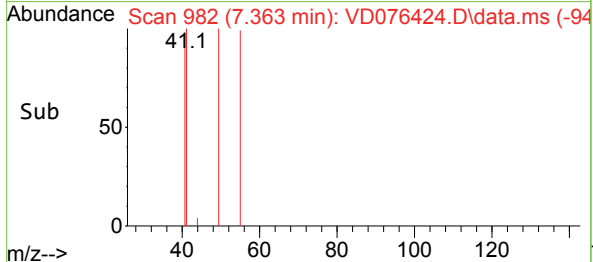
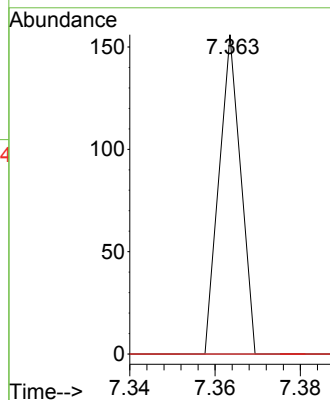
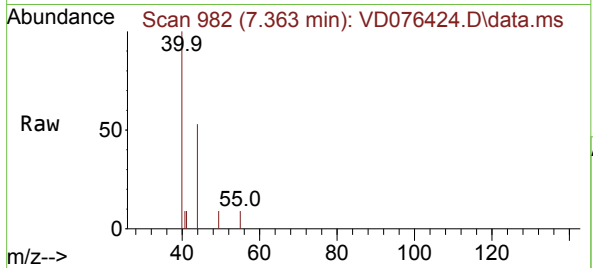




#28
Bromochloromethane
Concen: Below Cal
RT: 7.363 min Scan# 911
Delta R.T. -0.059 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

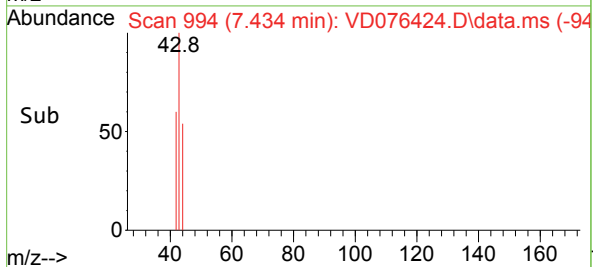
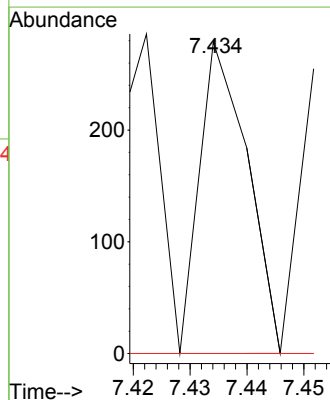
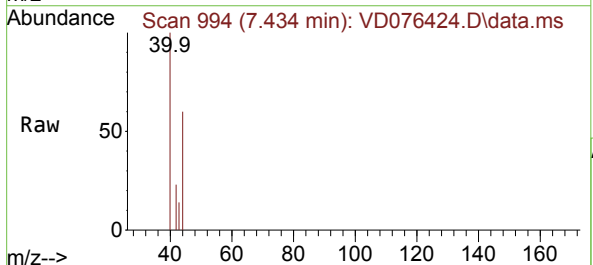
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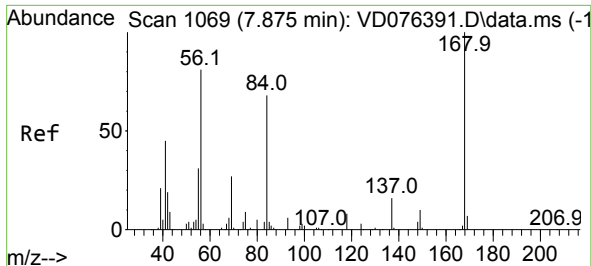
Tgt Ion: 49 Resp: 55
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 3.670 ug/l
RT: 7.434 min Scan# 994
Delta R.T. -0.011 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 42 Resp: 163
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#

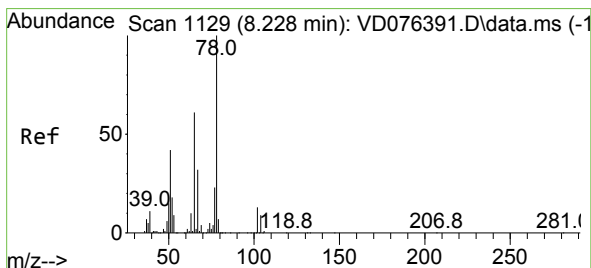
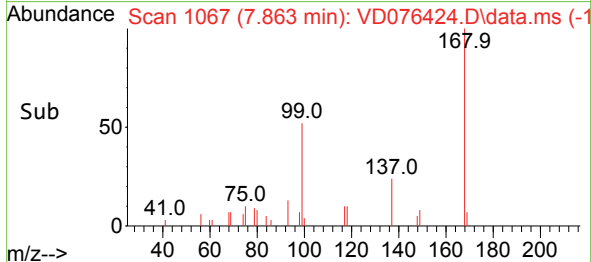
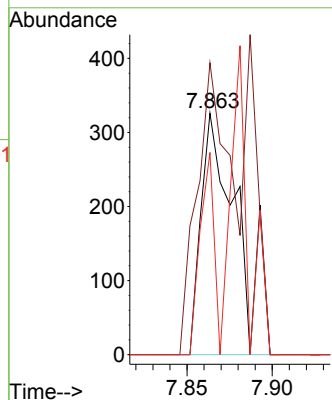
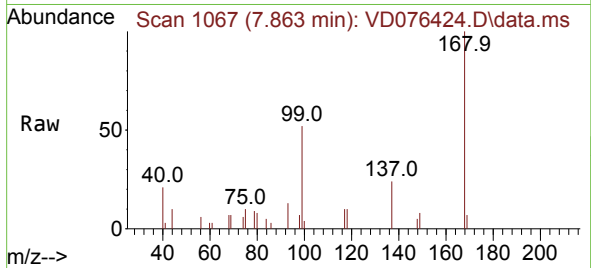




#31
Cyclohexane
Concen: 1.494 ug/l
RT: 7.863 min Scan# 1069
Delta R.T. -0.011 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

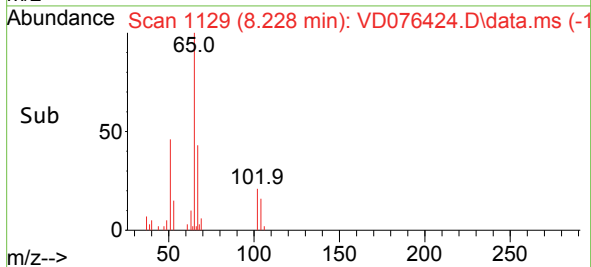
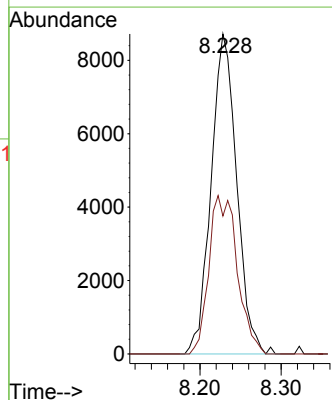
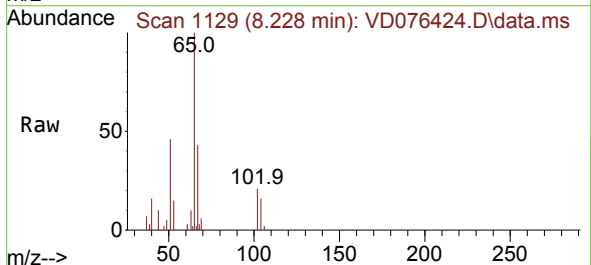
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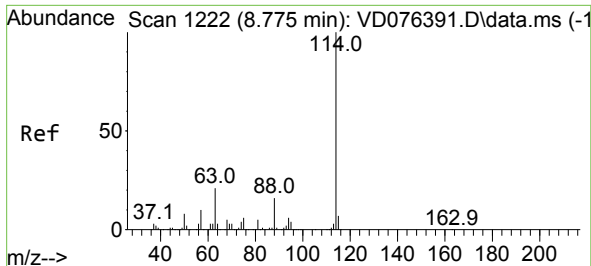
Tgt Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
69 120.9 28.6 43.0#
84 83.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 94.411 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 65 Resp: 19115
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0

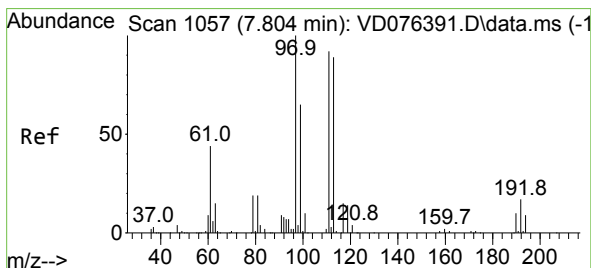
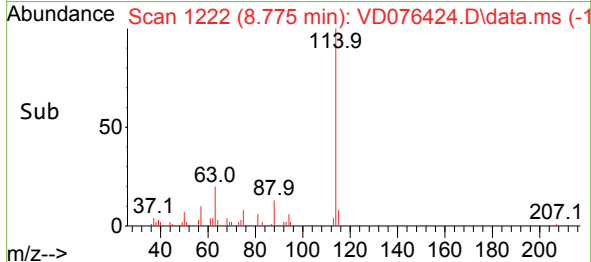
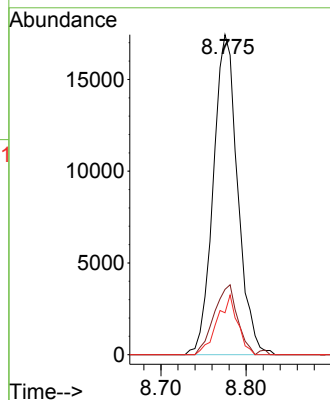
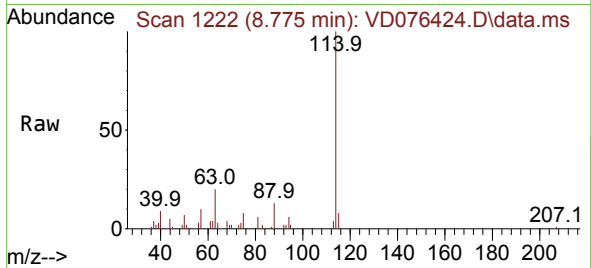




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

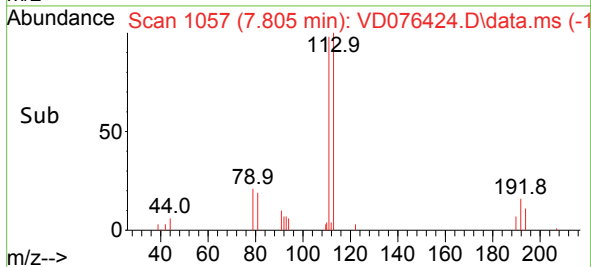
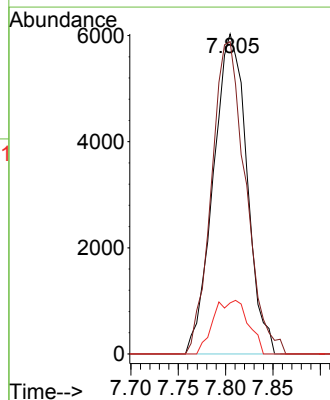
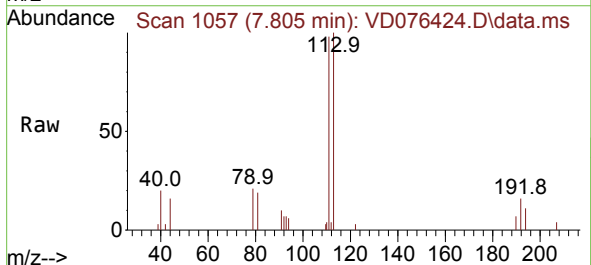
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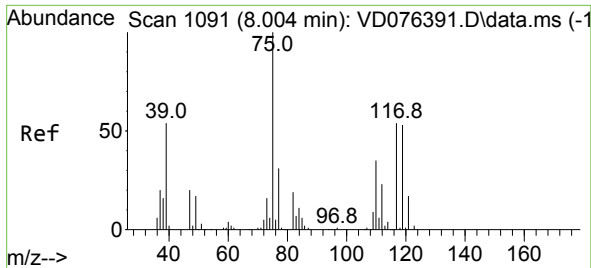
Tgt Ion:114 Resp: 34616
Ion Ratio Lower Upper
114 100
63 20.4 0.0 33.4
88 13.1 0.0 26.2



#35
Dibromofluoromethane
Concen: 66.496 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

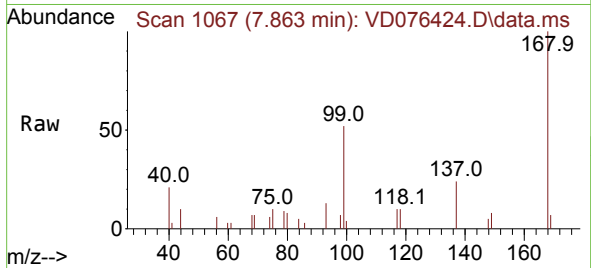
Tgt Ion:113 Resp: 14877
Ion Ratio Lower Upper
113 100
111 99.0 84.7 127.1
192 17.4 16.8 25.2



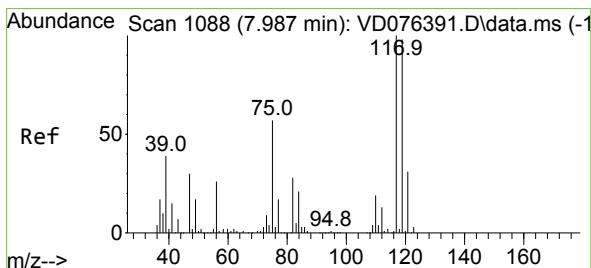
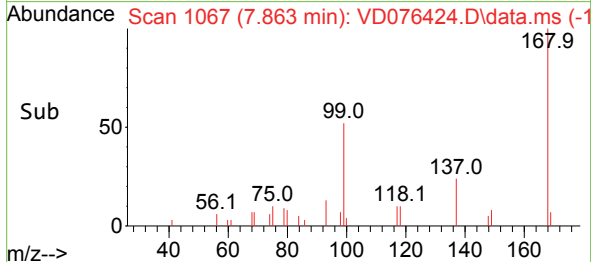
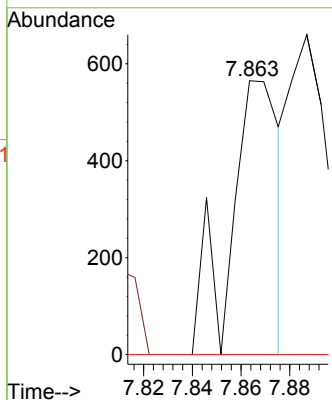


#36
1,1-Dichloropropene
Concen: 2.422 ug/l
RT: 7.863 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-26

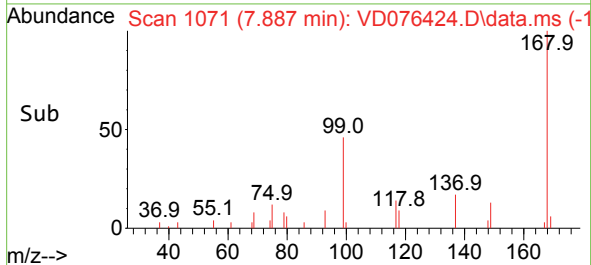
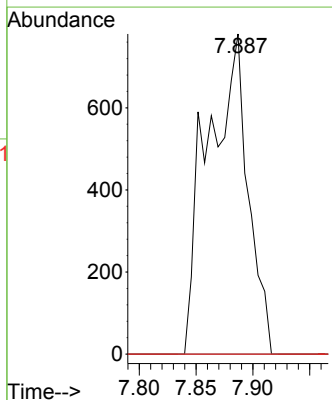
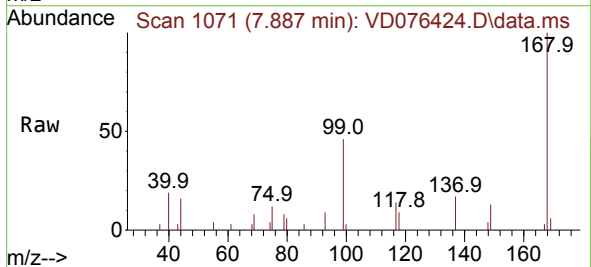


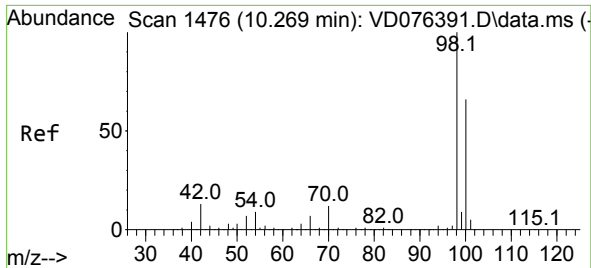
Tgt Ion: 75 Resp: 791
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. -0.100 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 117 Resp: 1916
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#

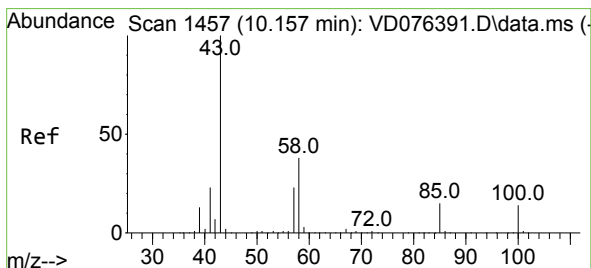
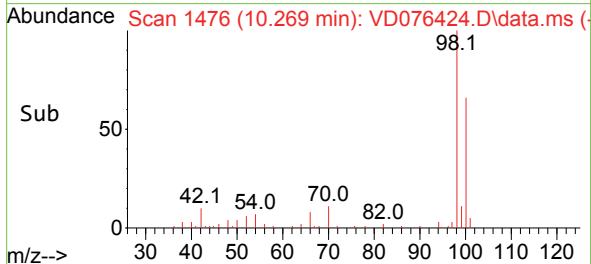
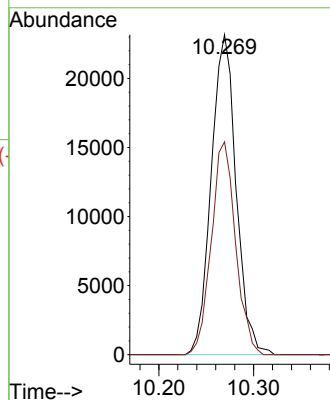
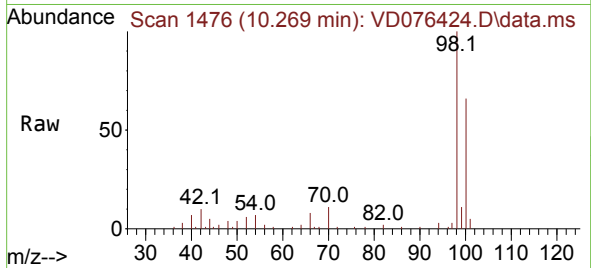




#50
Toluene-d8
Concen: 49.881 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

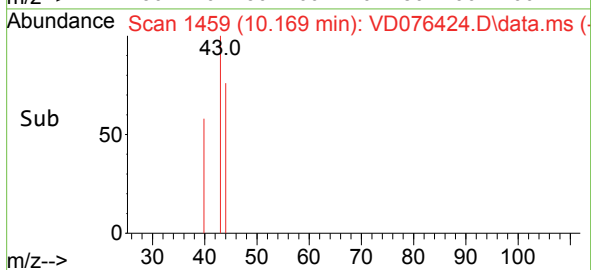
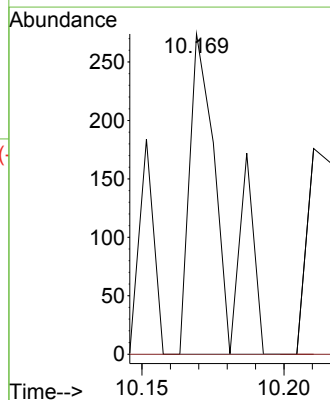
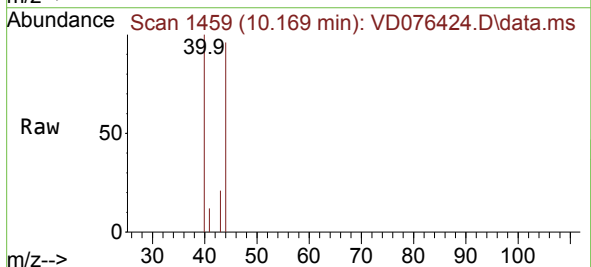
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-26

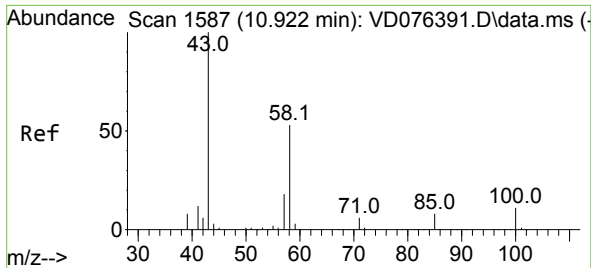
Tgt Ion: 98 Resp: 42291
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.236 ug/l
RT: 10.169 min Scan# 1459
Delta R.T. 0.012 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#

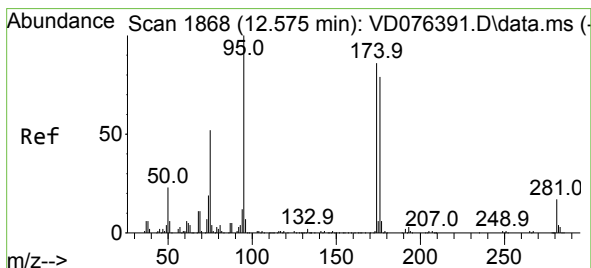
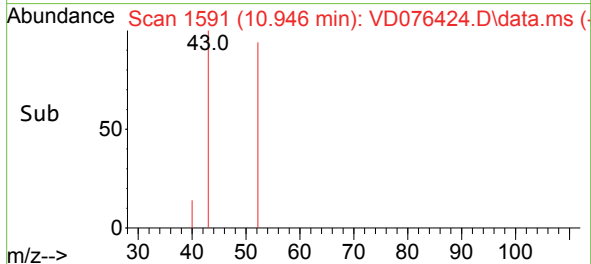
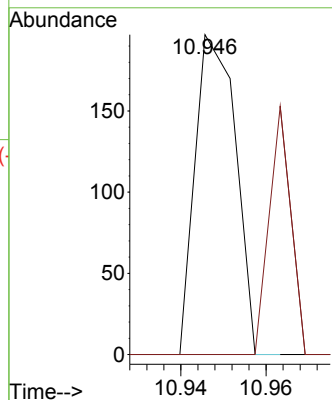
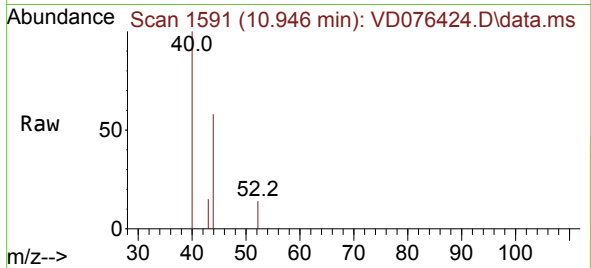




#59
2-Hexanone
Concen: 1.037 ug/l
RT: 10.946 min Scan# 1591
Delta R.T. 0.024 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

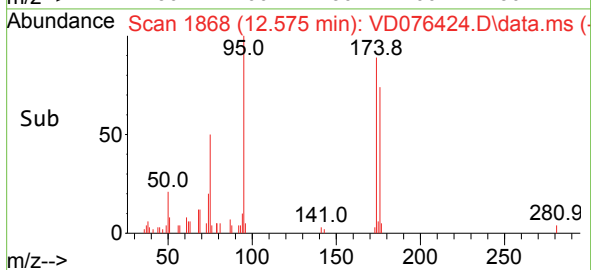
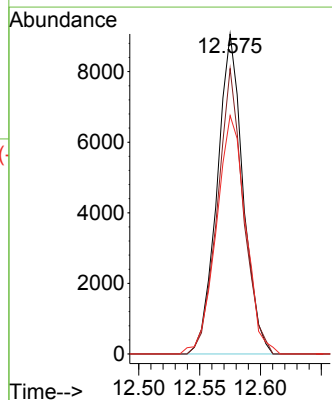
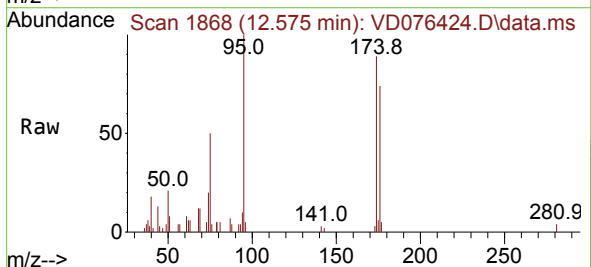
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-26

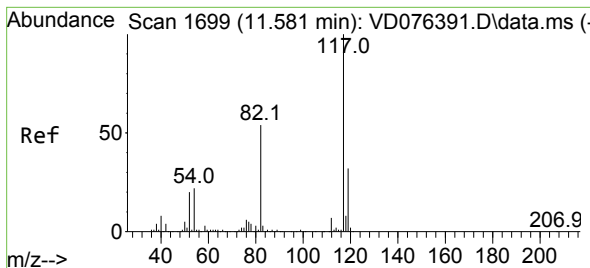
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 41.5 34.1 102.2



#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 95 Resp: 13495
Ion Ratio Lower Upper
95 100
174 88.3 0.0 201.8
176 83.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076424.D

Acq: 14 Jun 2023 18:03

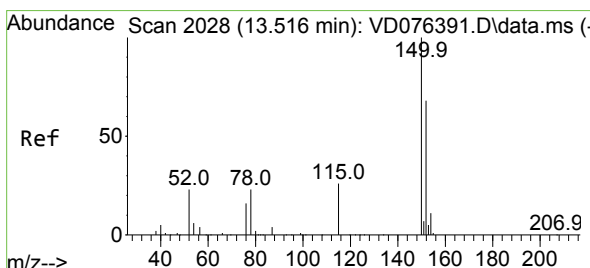
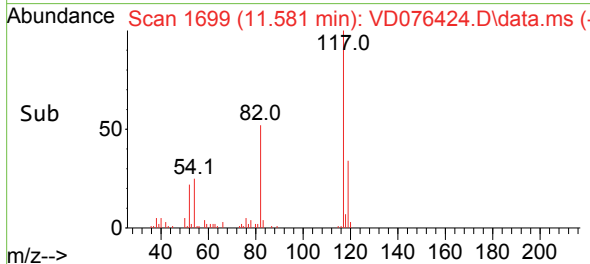
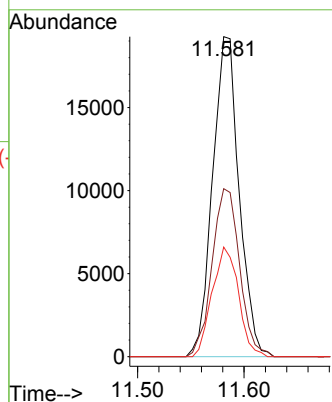
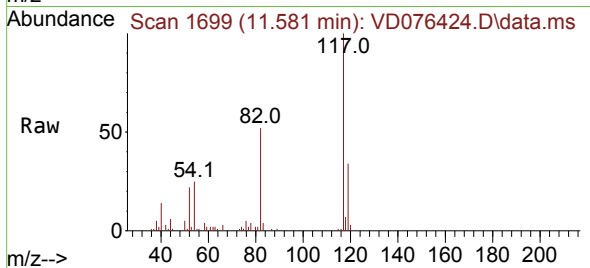
Instrument :

MSVOA_D

ClientSampleId :

TOTAL-VOC-GRAB-5-SB-26

Tgt Ion:117	Resp:	33226
Ion	Ratio	Lower Upper
117	100	
82	52.5	38.3 57.5
119	34.3	25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

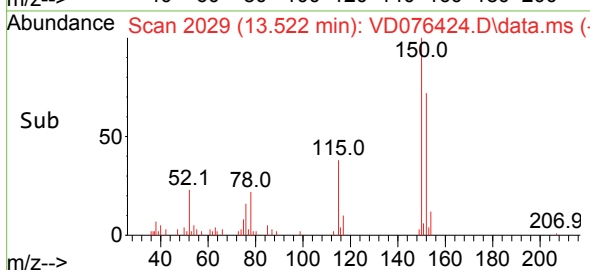
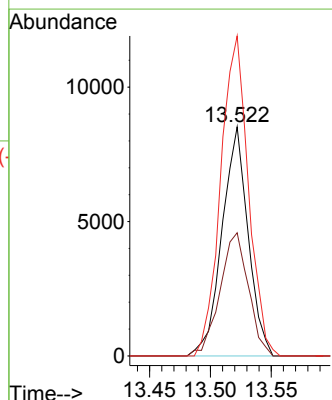
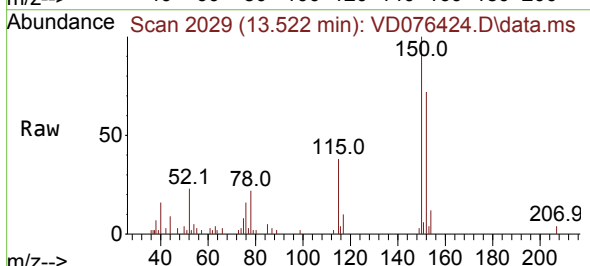
RT: 13.522 min Scan# 2029

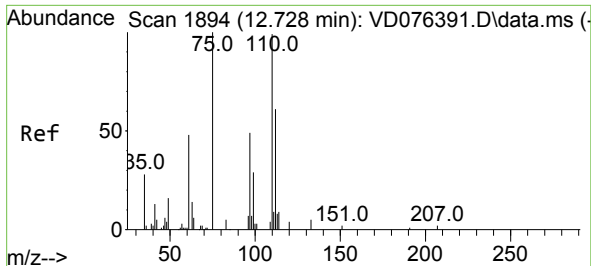
Delta R.T. 0.006 min

Lab File: VD076424.D

Acq: 14 Jun 2023 18:03

Tgt Ion:152	Resp:	12716
Ion	Ratio	Lower Upper
152	100	
115	58.7	27.1 81.3
150	148.0	0.0 353.6

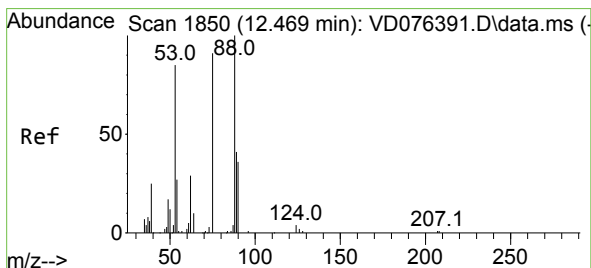
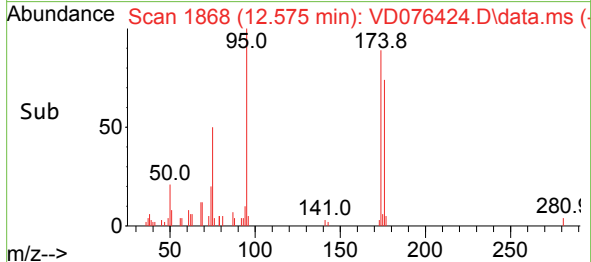
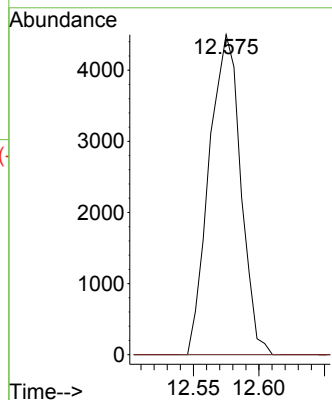
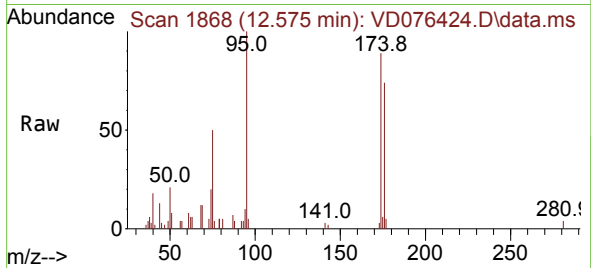




#76
1,2,3-Trichloropropane
Concen: 63.535 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-GRAB-5-SB-26

Tgt Ion: 75 Resp: 7553
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.755 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076424.D
Acq: 14 Jun 2023 18:03

Tgt Ion: 75 Resp: 7553
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

