

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076426.D
 Acq On : 14 Jun 2023 19:04
 Operator : KP/SY
 Sample : 03222-18
 Misc : 5.87G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOTAL-VOC-SB-06-GRAB-7

Quant Time: Jun 15 05:36:03 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)

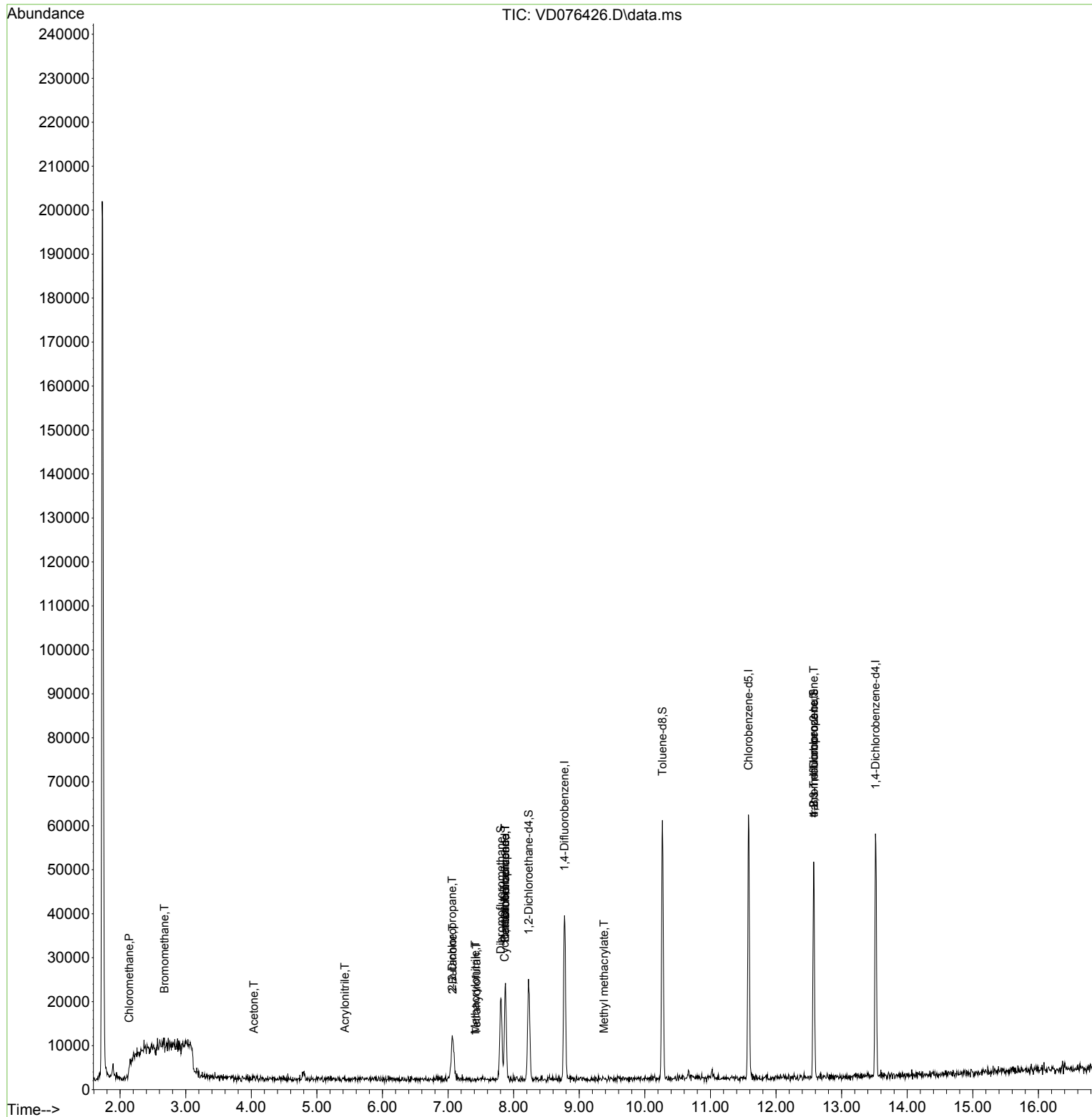
Internal Standards						
1) Pentafluorobenzene	7.869	168	16542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	33682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	32465	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	14892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17678	92.523	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 185.040%#		
35) Dibromofluoromethane	7.805	113	12997	59.704	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 119.400%		
50) Toluene-d8	10.269	98	40993	49.691	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 99.380%		
62) 4-Bromofluorobenzene	12.575	95	14255	50.369	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 100.740%		
Target Compounds						Qvalue
3) Chloromethane	2.140	50	374	1.337	ug/l #	41
5) Bromomethane	2.675	94	570	4.064	ug/l #	20
15) Acrylonitrile	5.428	53	61	1.239	ug/l #	18
16) Acetone	4.040	43	422	10.047	ug/l #	32
20) Methylene Chloride	4.805	84	917	Below Cal	#	79
25) 2-Butanone	7.069	43	399	6.074	ug/l #	37
26) 2,2-Dichloropropane	7.063	77	458	1.392	ug/l #	49
29) Tetrahydrofuran	7.434	42	66	1.575	ug/l #	23
31) Cyclohexane	7.863	56	307	1.004	ug/l #	17
36) 1,1-Dichloropropene	7.875	75	1326	4.173	ug/l #	39
38) Carbon Tetrachloride	7.869	117	1845	6.254	ug/l #	11
41) Methacrylonitrile	7.416	41	188	1.758	ug/l #	20
48) Methyl methacrylate	9.375	41	189	1.125	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	7627	54.783	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	7627	98.085	ug/l #	17

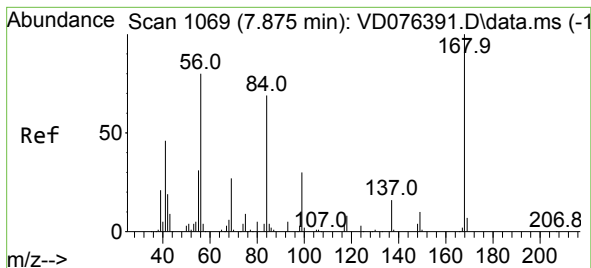
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 13 02:01:34 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD076426.D

Acq: 14 Jun 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

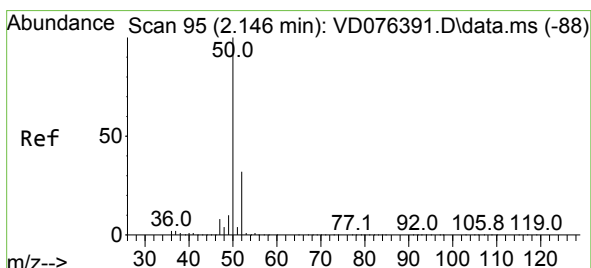
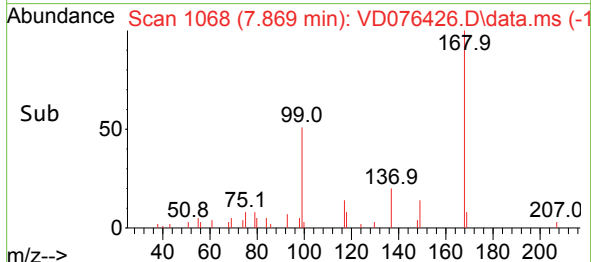
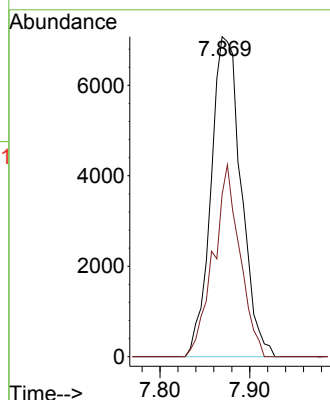
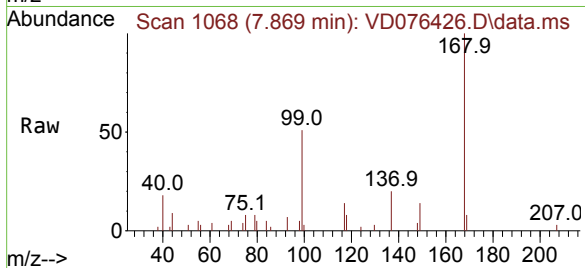
TOTAL-VOC-SB-06-GRAB-7

Tgt Ion:168 Resp: 16542

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#3

Chloromethane

Concen: 1.337 ug/l

RT: 2.140 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD076426.D

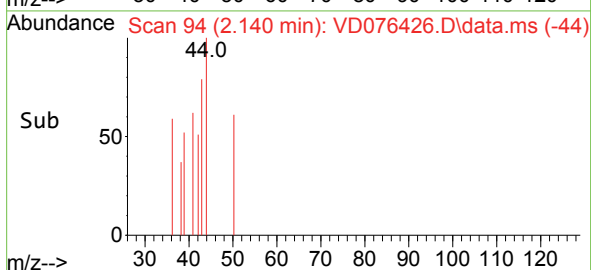
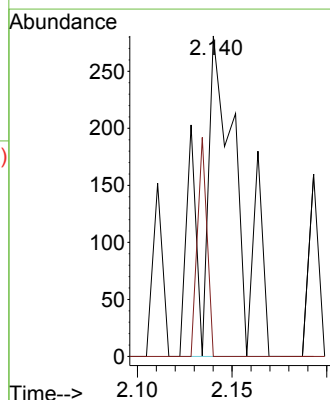
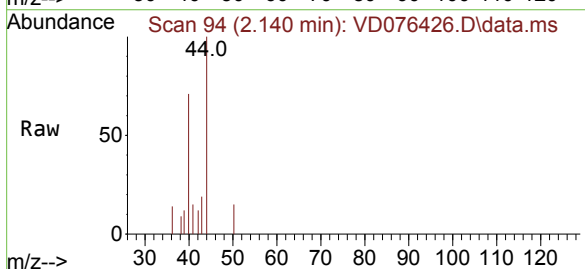
Acq: 14 Jun 2023 19:04

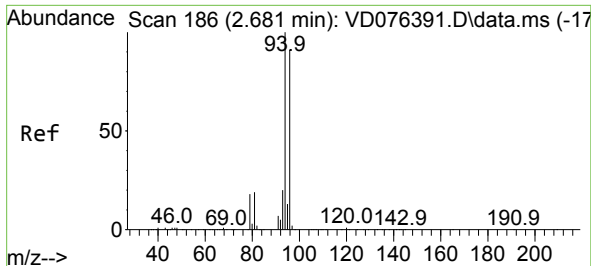
Tgt Ion: 50 Resp: 374

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#

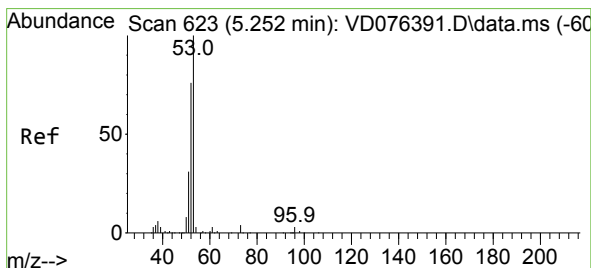
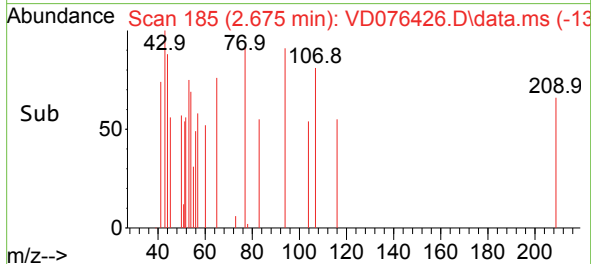
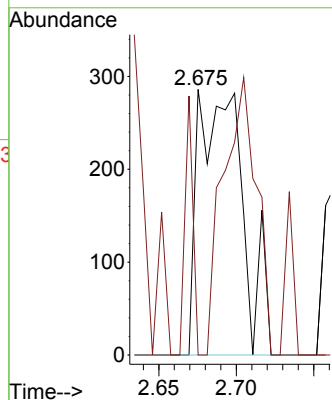
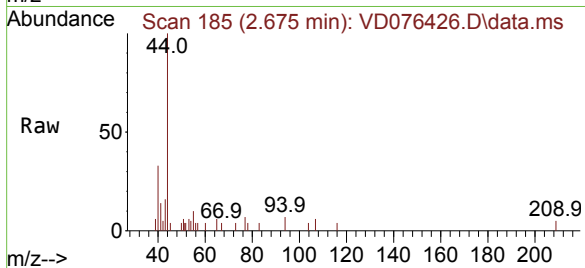




#5
Bromomethane
Concen: 4.064 ug/l
RT: 2.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

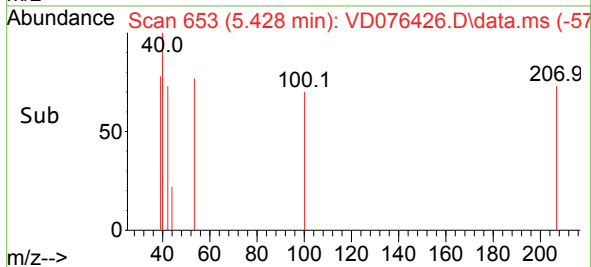
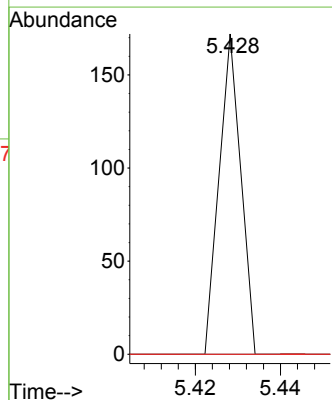
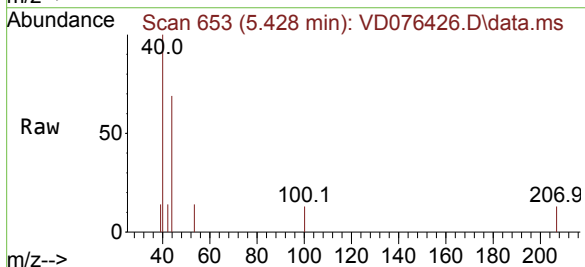
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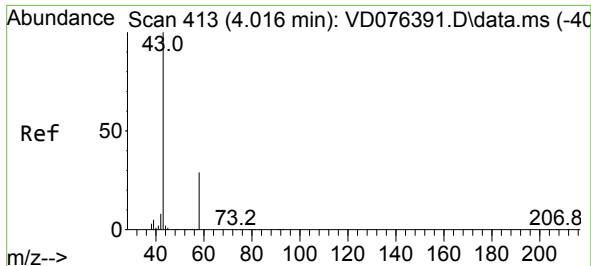
Tgt Ion: 94 Resp: 570
Ion Ratio Lower Upper
94 100
96 17.2 75.8 113.8#



#15
Acrylonitrile
Concen: 1.239 ug/l
RT: 5.428 min Scan# 653
Delta R.T. 0.177 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 53 Resp: 61
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#

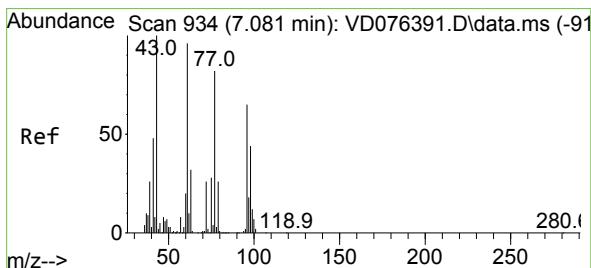
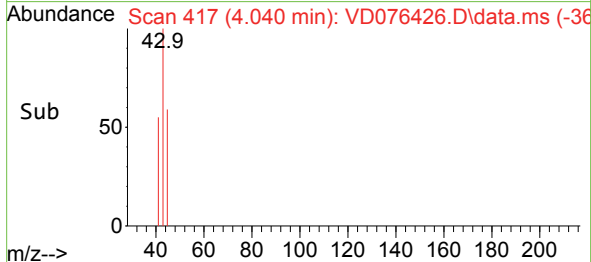
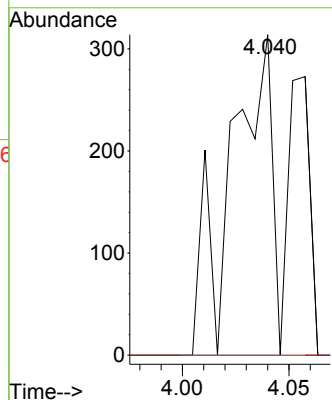
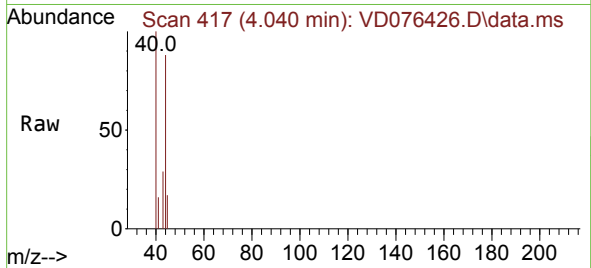




#16
Acetone
Concen: 10.047 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.024 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

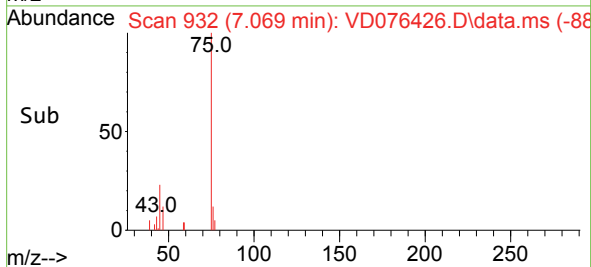
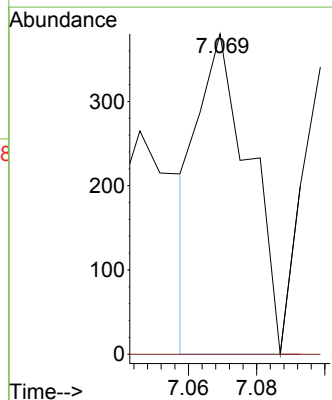
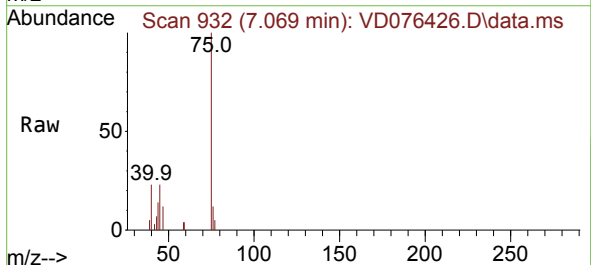
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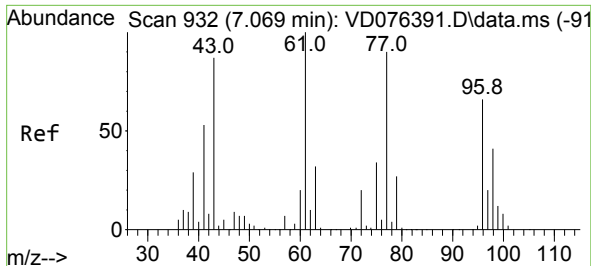
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: 6.074 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

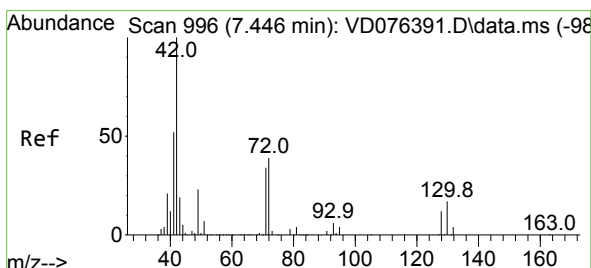
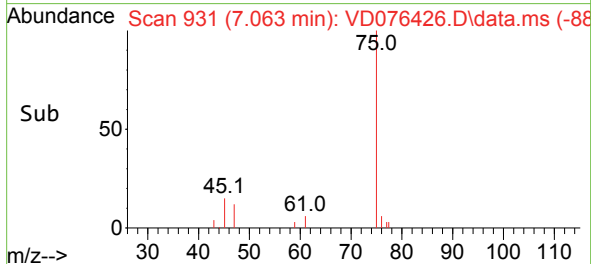
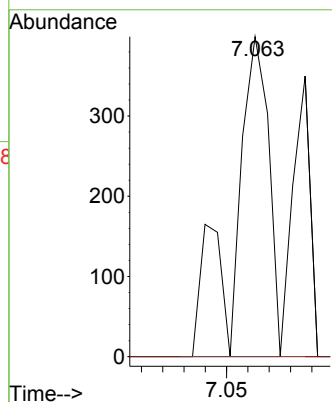
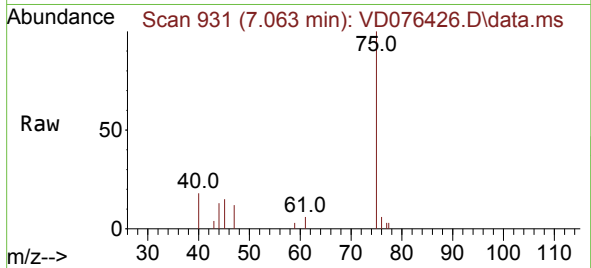




#26
2,2-Dichloropropane
Concen: 1.392 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

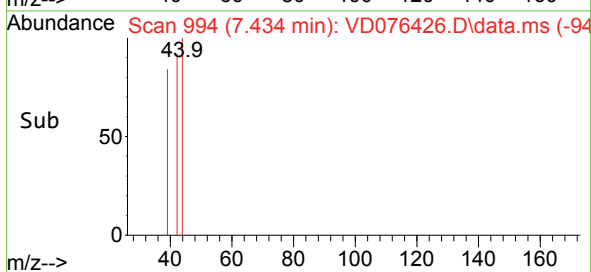
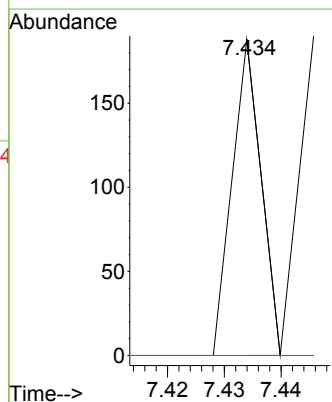
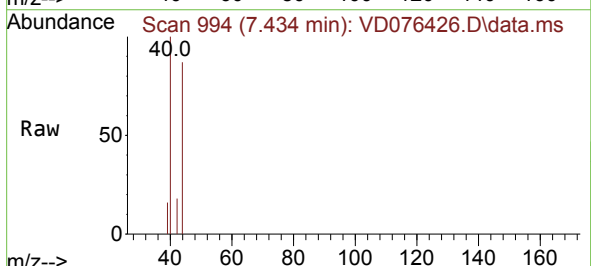
Instrument :
MSVOA_D
ClientSampleId :
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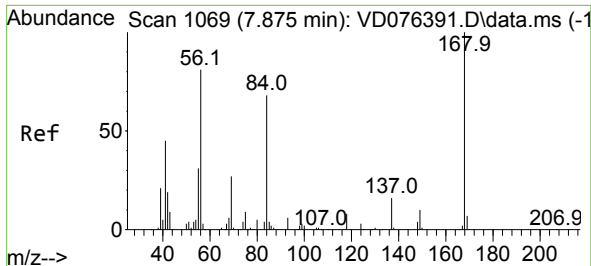
Tgt Ion: 77 Resp: 458
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#29
Tetrahydrofuran
Concen: 1.575 ug/l
RT: 7.434 min Scan# 994
Delta R.T. -0.012 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 42 Resp: 66
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#

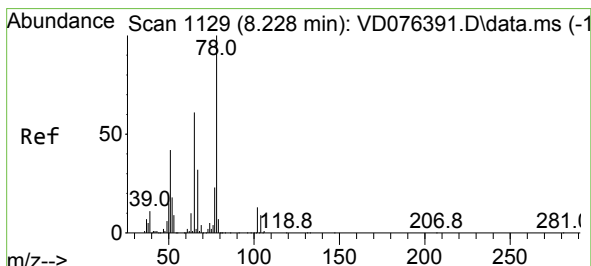
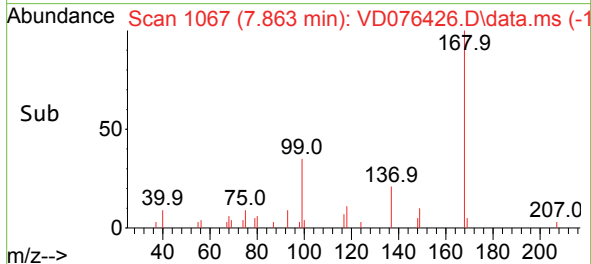
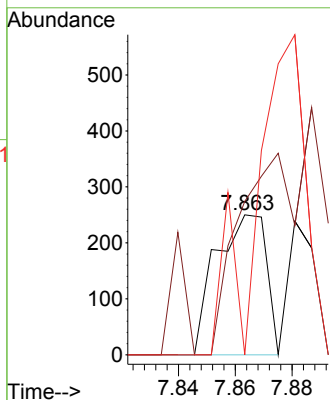
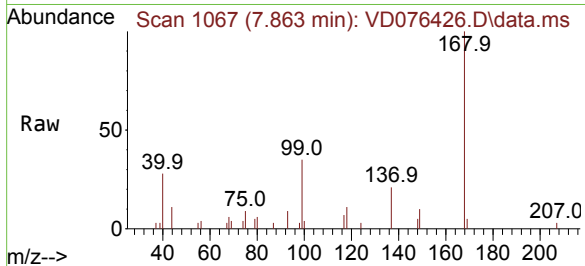




#31
Cyclohexane
Concen: 1.004 ug/l
RT: 7.863 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

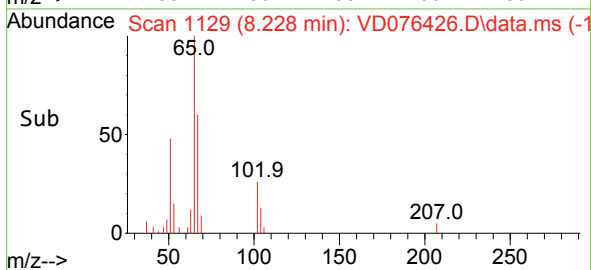
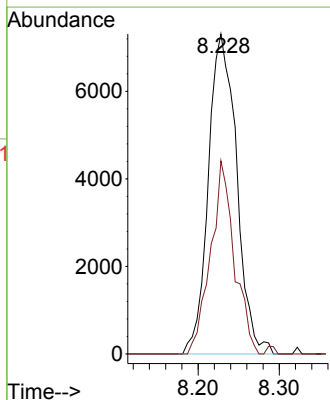
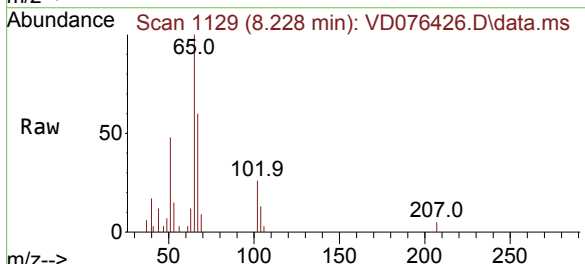
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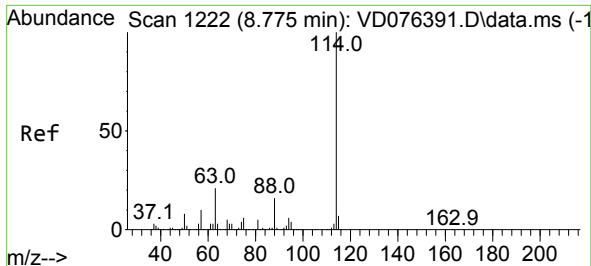
Tgt Ion: 56 Resp: 307
Ion Ratio Lower Upper
56 100
69 22.0 28.6 43.0#
84 0.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 92.523 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 65 Resp: 17678
Ion Ratio Lower Upper
65 100
67 50.9 0.0 115.0

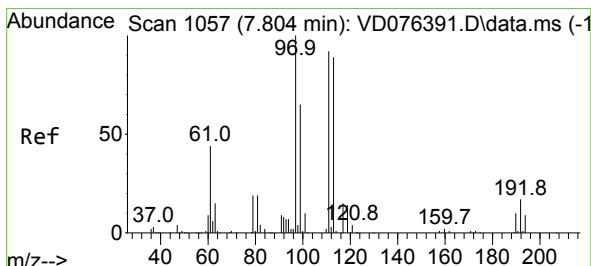
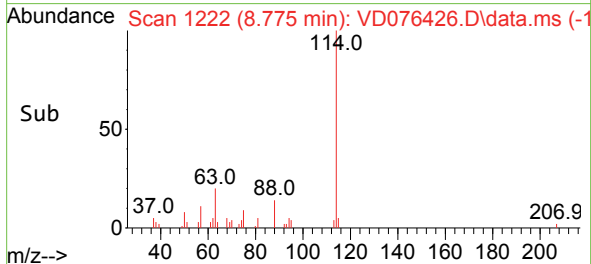
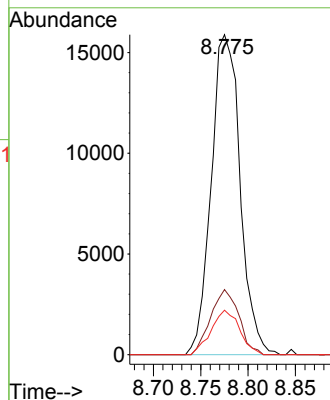
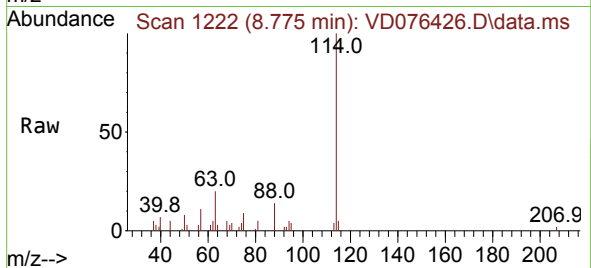




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

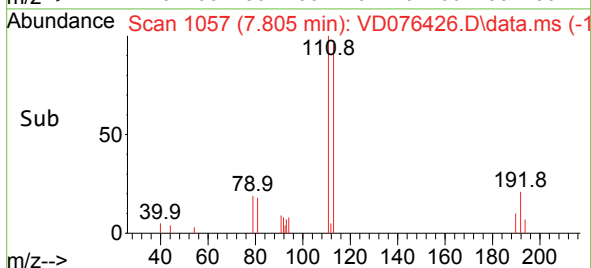
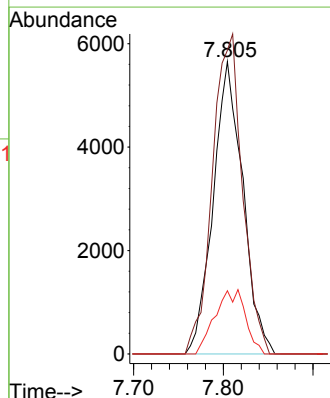
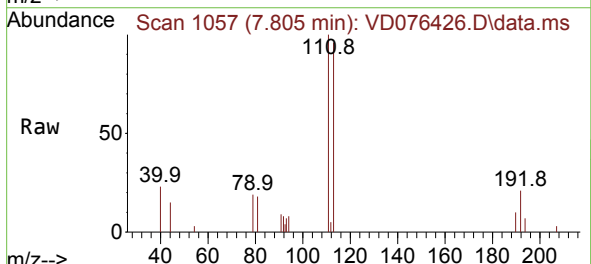
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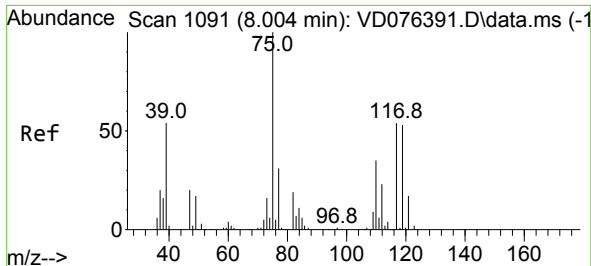
Tgt Ion:	114	Resp:	33682
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	33.4
88	13.9	0.0	26.2



#35
Dibromofluoromethane
Concen: 59.704 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion:	113	Resp:	12997
Ion Ratio	Lower	Upper	
113	100		
111	110.5	84.7	127.1
192	22.5	16.8	25.2

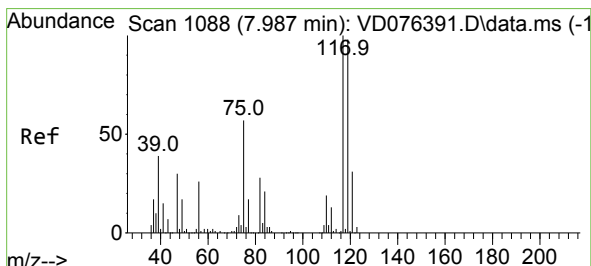
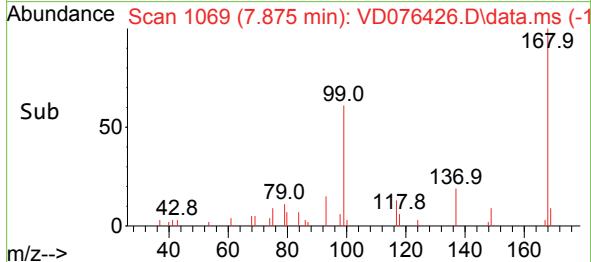
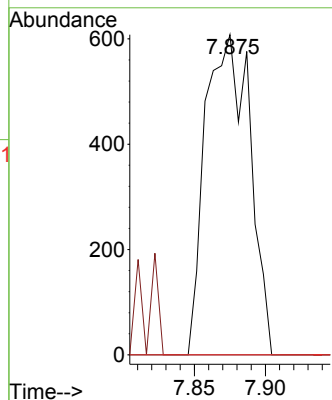
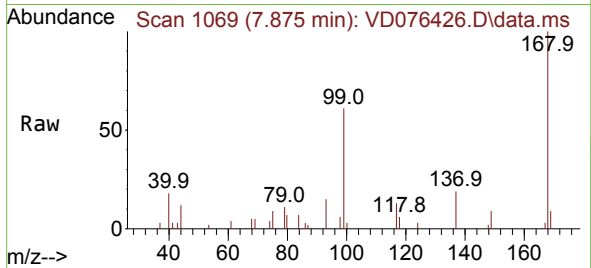




#36
1,1-Dichloropropene
Concen: 4.173 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

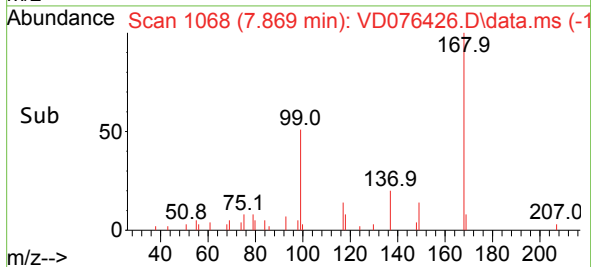
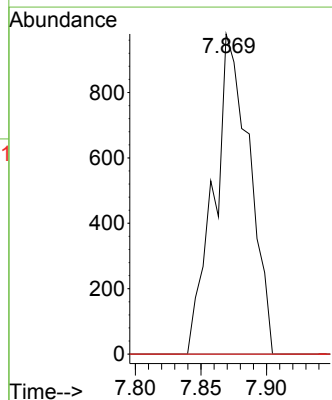
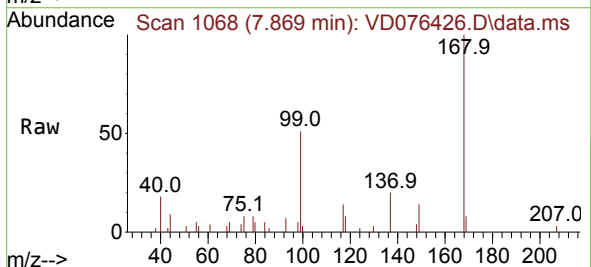
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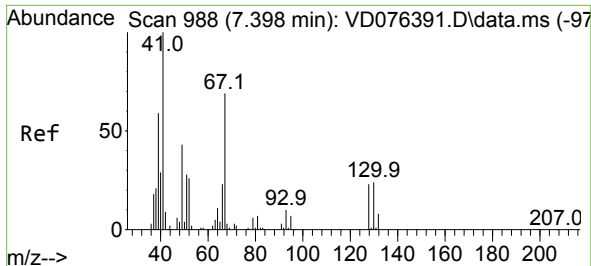
Tgt Ion: 75 Resp: 1326
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.254 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.117 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 117 Resp: 1845
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#

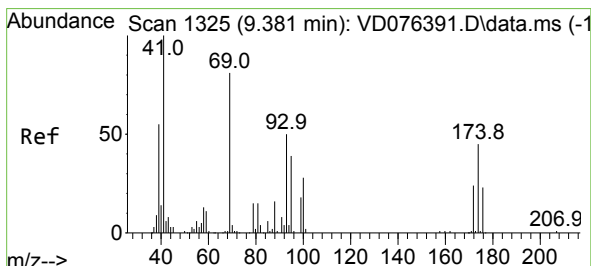
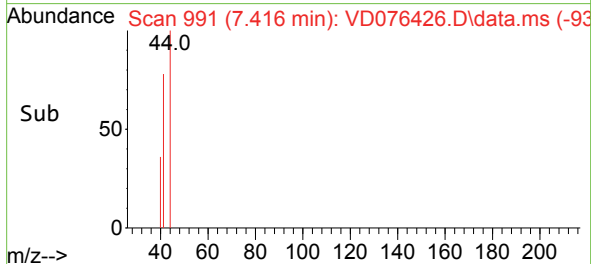
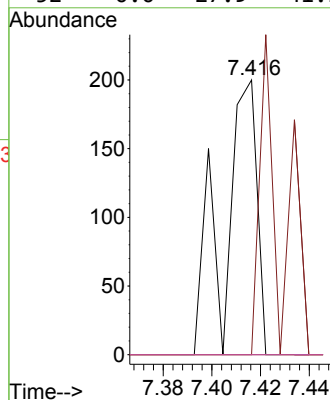
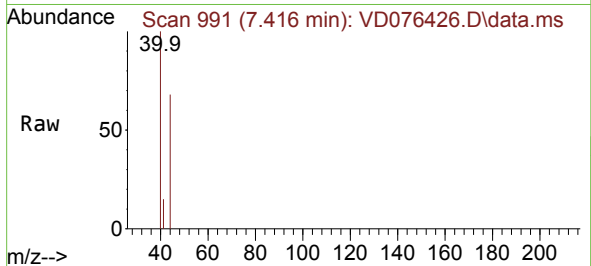




#41
Methacrylonitrile
Concen: 1.758 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

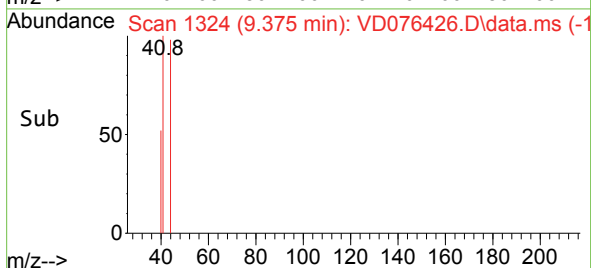
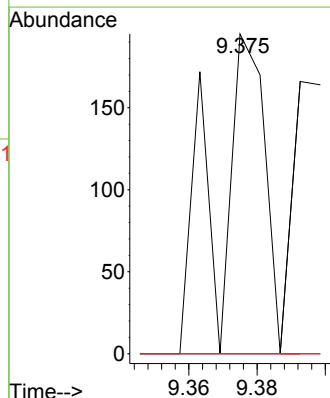
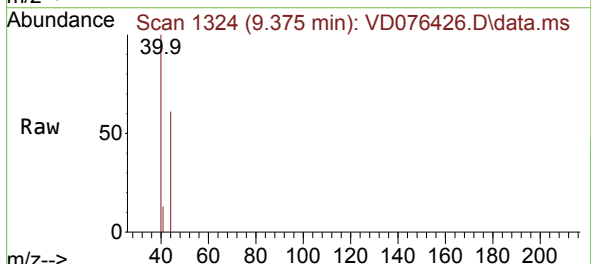
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

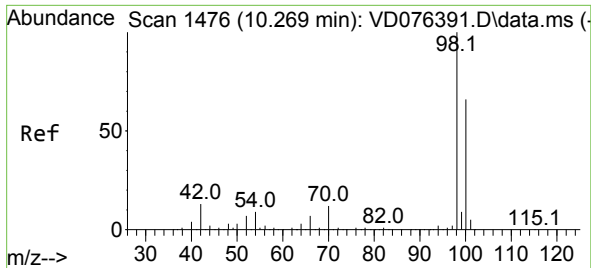
Tgt Ion: 41	Resp: 188
Ion Ratio	Lower Upper
41 100	
39 76.1	34.0 51.0#
67 0.0	77.0 115.4#
52 0.0	27.9 41.9#



#48
Methyl methacrylate
Concen: 1.125 ug/l
RT: 9.375 min Scan# 1324
Delta R.T. -0.006 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 41	Resp: 189
Ion Ratio	Lower Upper
41 100	
69 0.0	102.2 153.2#
39 0.0	41.4 62.2#

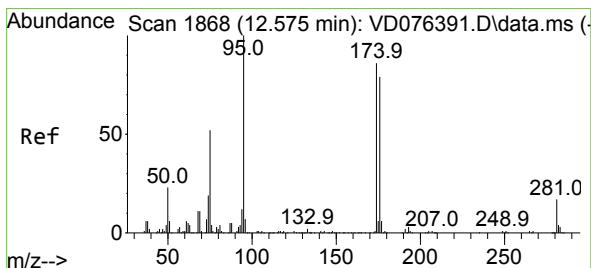
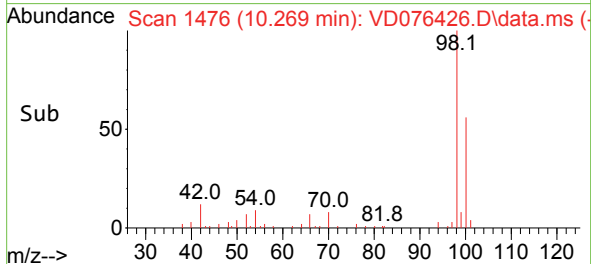
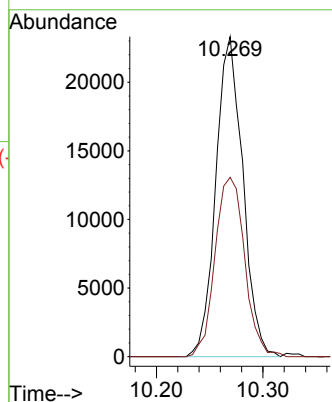
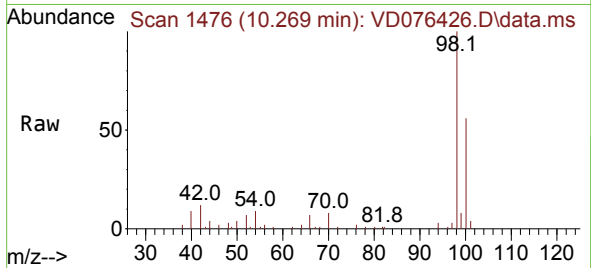




#50
Toluene-d8
Concen: 49.691 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

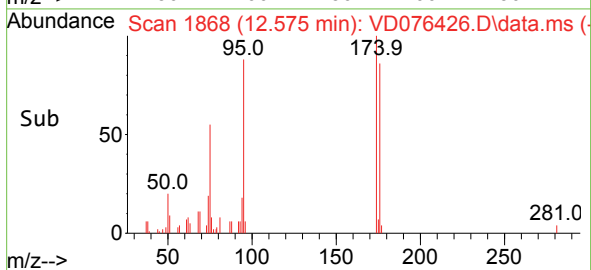
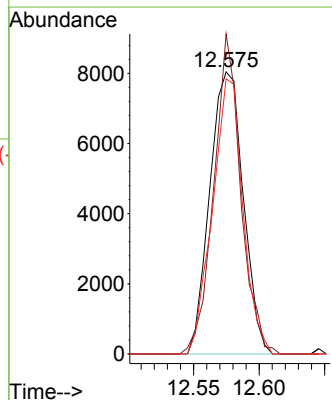
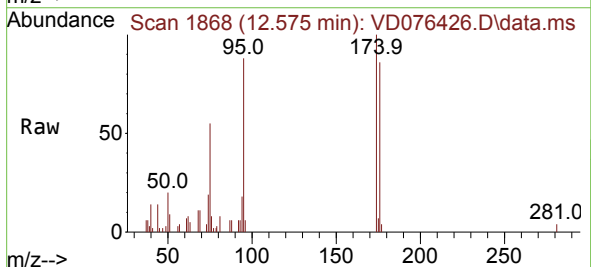
Instrument :
MSVOA_D
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-7

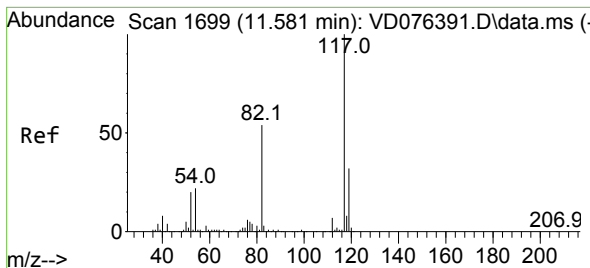
Tgt Ion: 98 Resp: 40993
Ion Ratio Lower Upper
98 100
100 61.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 50.369 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 95 Resp: 14255
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 88.6 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: VD076426.D

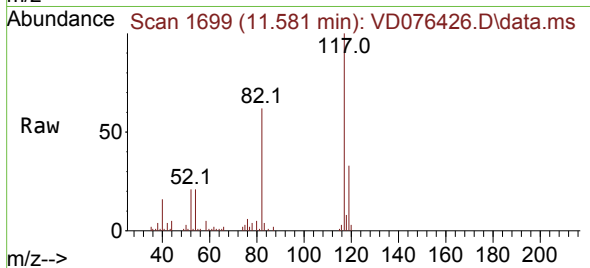
Acq: 14 Jun 2023 19:04

Instrument :

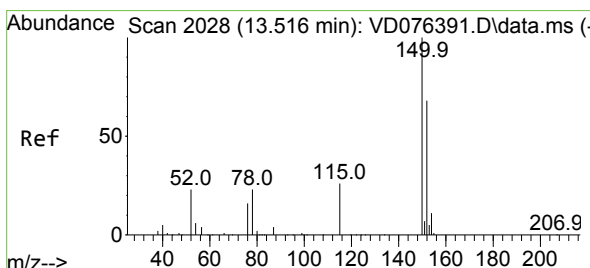
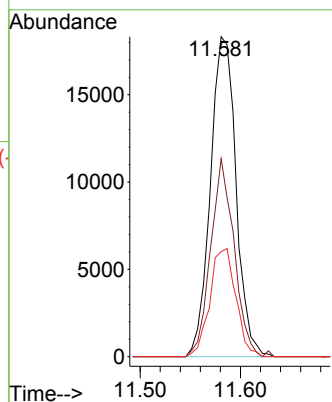
MSVOA_D

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-7



Tgt Ion:	117	Resp:	32465
Ion Ratio	Lower	Upper	
117	100		
82	61.9	38.3	57.5#
119	32.8	25.0	37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

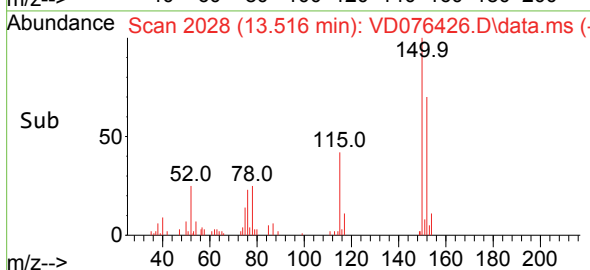
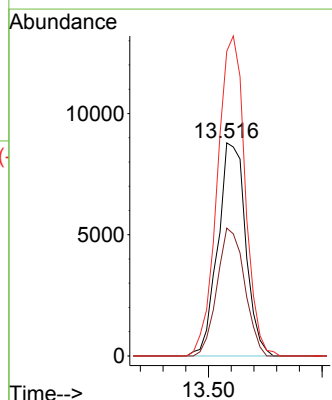
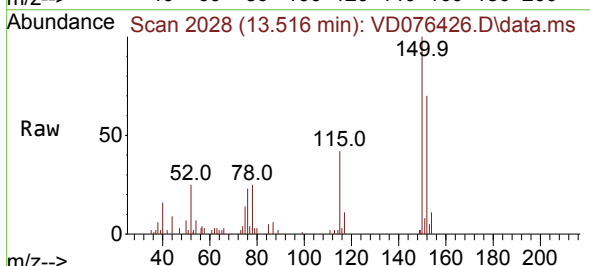
RT: 13.516 min Scan# 2028

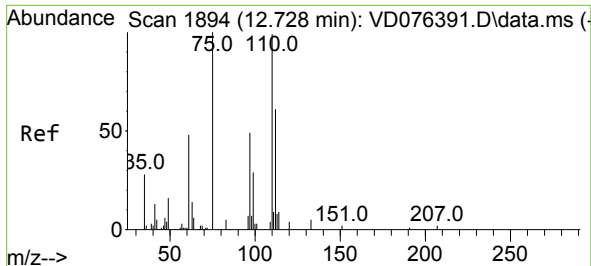
Delta R.T. 0.000 min

Lab File: VD076426.D

Acq: 14 Jun 2023 19:04

Tgt Ion:	152	Resp:	14892
Ion Ratio	Lower	Upper	
152	100		
115	59.4	27.1	81.3
150	150.3	0.0	353.6

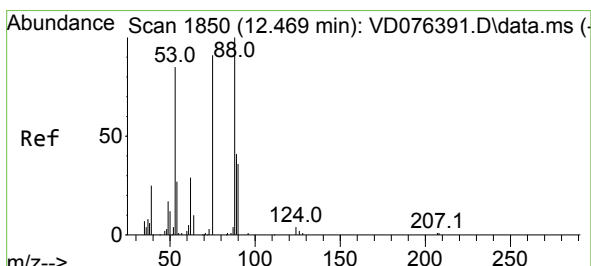
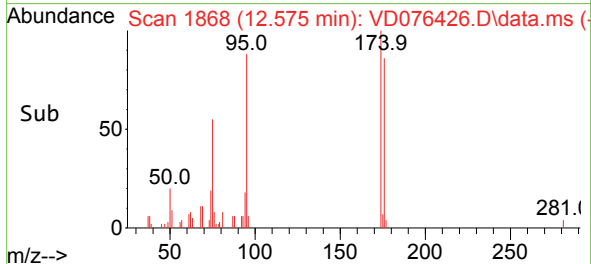
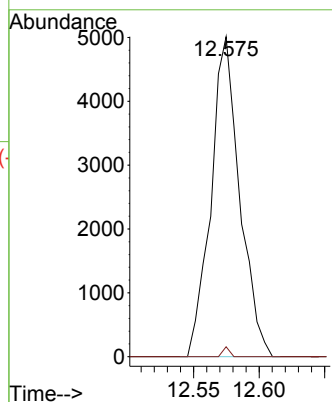
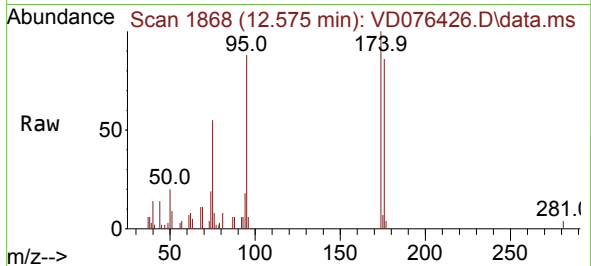




#76
1,2,3-Trichloropropane
Concen: 54.783 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Instrument : MSVOA_D
ClientSampleId : TOTAL-VOC-SB-06-GRAB-7

Tgt Ion: 75 Resp: 7627
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.085 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076426.D
Acq: 14 Jun 2023 19:04

Tgt Ion: 75 Resp: 7627
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

