

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021324\
 Data File : VD078406.D
 Acq On : 13 Feb 2024 17:14
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 14 01:30:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

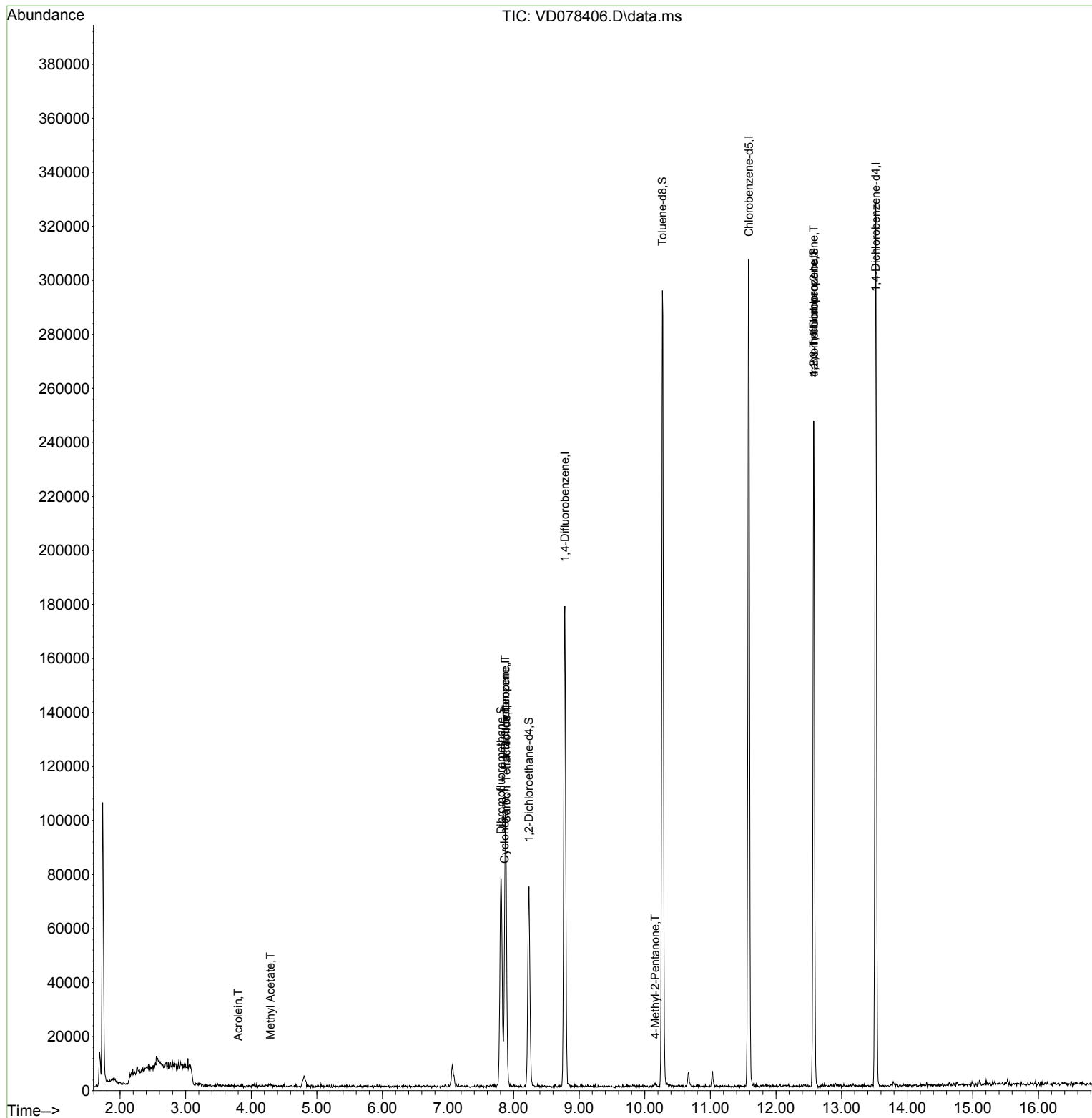
Internal Standards						
1) Pentafluorobenzene	7.875	168	75307	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	160641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	185812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	56625	69.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.080%	
35) Dibromofluoromethane	7.810	113	58676	57.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.000%	
50) Toluene-d8	10.269	98	210904	51.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.575	95	74038	62.328	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 124.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	60	Below Cal	#	73
13) Acrolein	3.799	56	195	2.592	ug/l	95
16) Acetone	4.028	43	640	Below Cal	#	32
18) Methyl Acetate	4.293	43	62	4.038	ug/l	# 42
23) Vinyl Acetate	6.199	43	54	Below Cal	#	63
25) 2-Butanone	7.058	43	328	Below Cal	#	37
31) Cyclohexane	7.863	56	1693	1.229	ug/l	# 52
36) 1,1-Dichloropropene	7.875	75	6747	4.256	ug/l	# 46
38) Carbon Tetrachloride	7.887	117	8165	5.201	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.157	43	806	1.476	ug/l	# 59
76) 1,2,3-Trichloropropane	12.575	75	38785	50.723	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	38785	105.301	ug/l	# 17

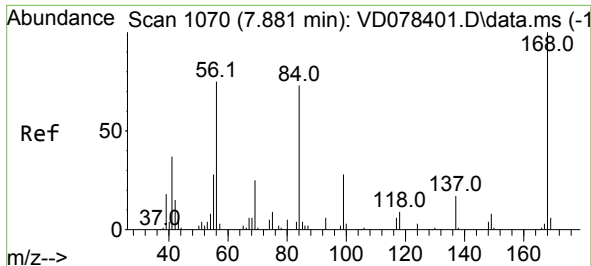
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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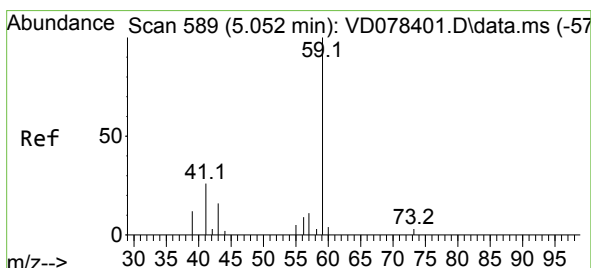
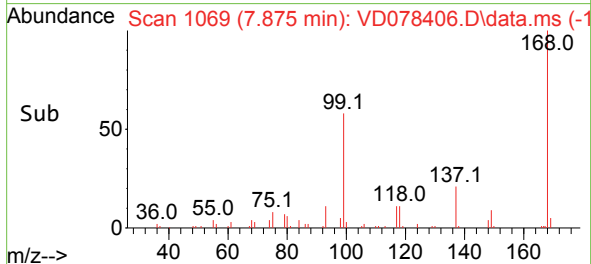
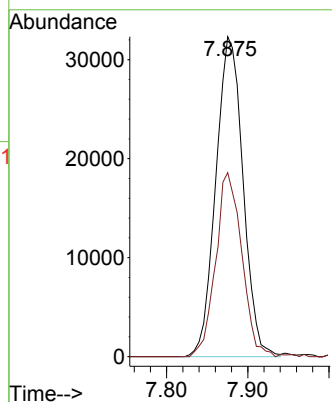
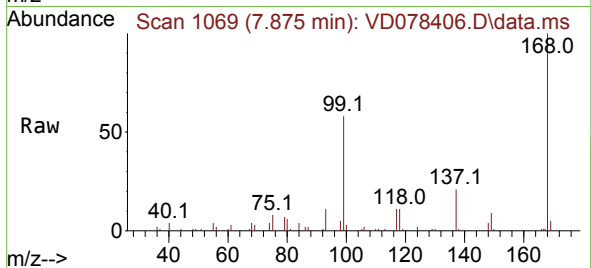




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

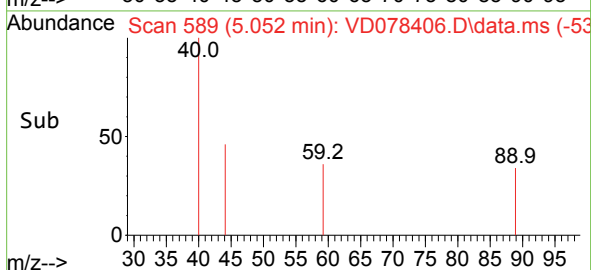
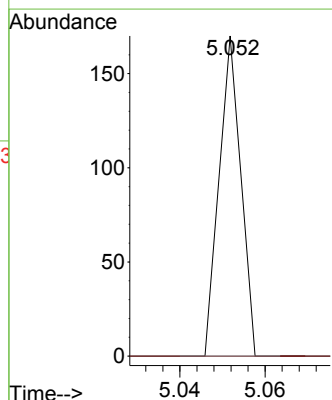
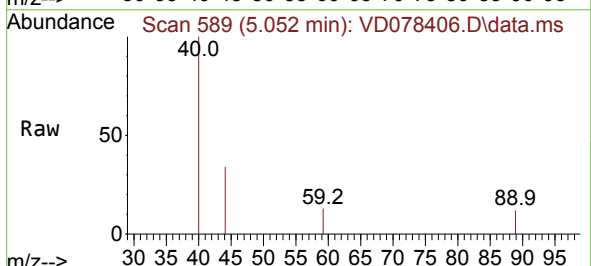
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

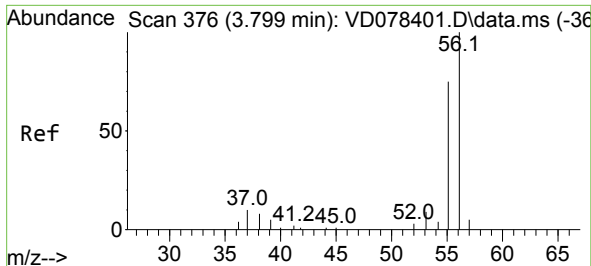
Tgt Ion:168 Resp: 75307
Ion Ratio Lower Upper
168 100
99 57.5 36.7 55.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 589
Delta R.T. -0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 2.592 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

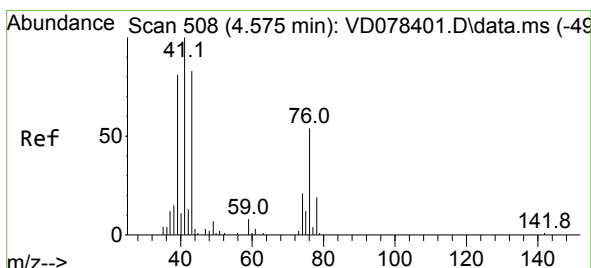
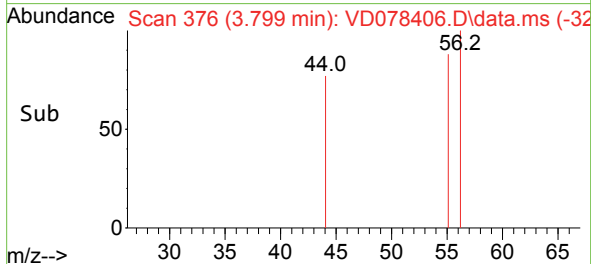
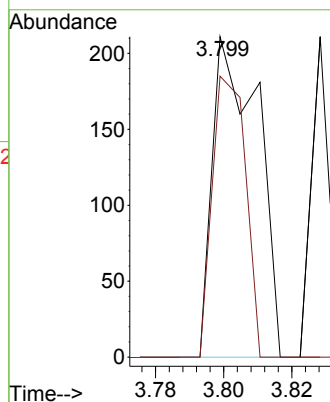
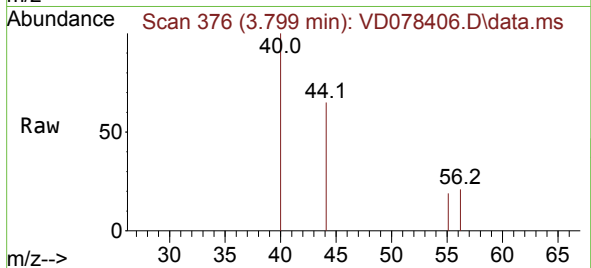
VIBLK

Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 64.6 55.1 82.7



#18

Methyl Acetate

Concen: 4.038 ug/l

RT: 4.293 min Scan# 460

Delta R.T. -0.282 min

Lab File: VD078406.D

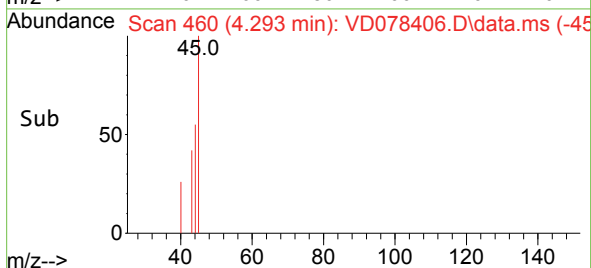
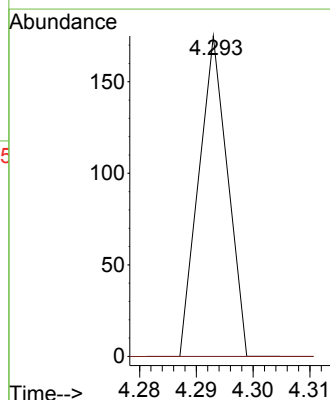
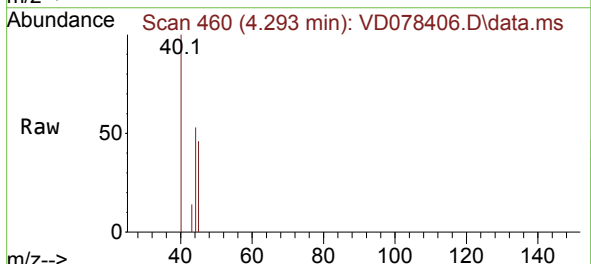
Acq: 13 Feb 2024 17:14

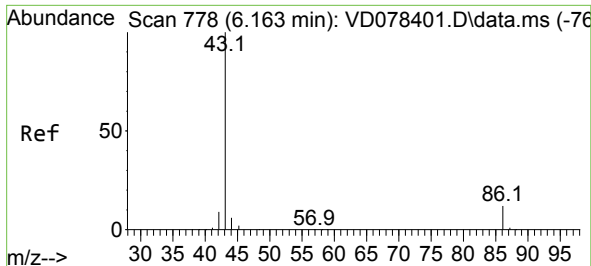
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#

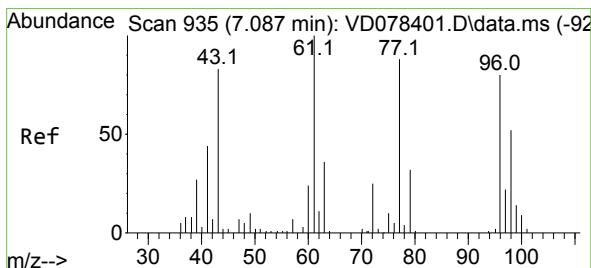
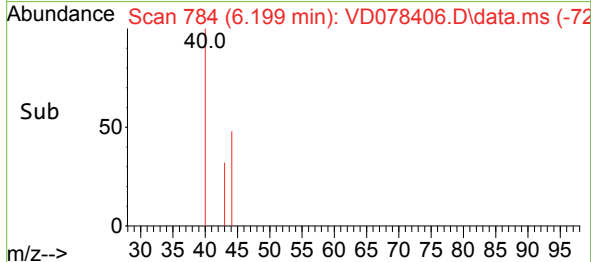
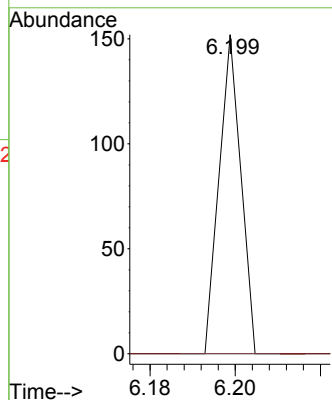
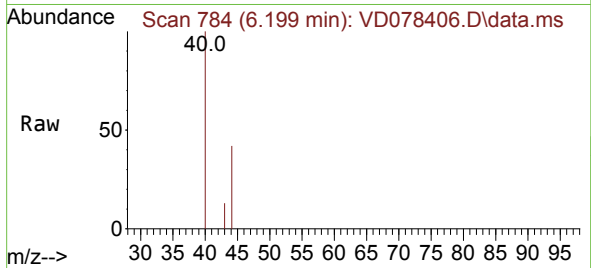




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.199 min Scan# 71
 Delta R.T. 0.036 min
 Lab File: VD078406.D
 Acq: 13 Feb 2024 17:14

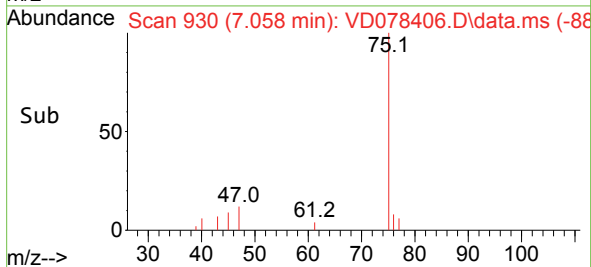
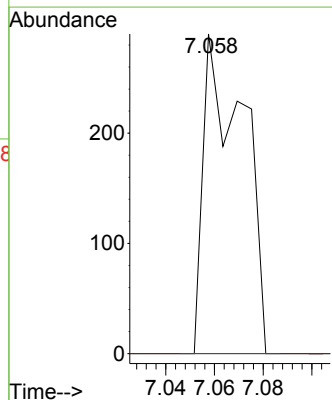
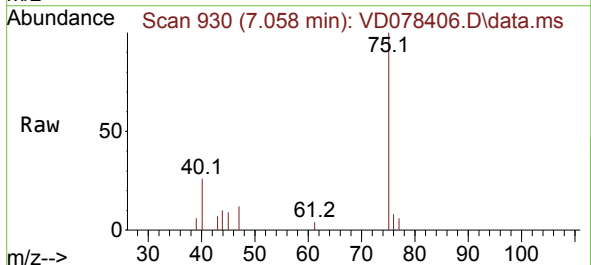
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

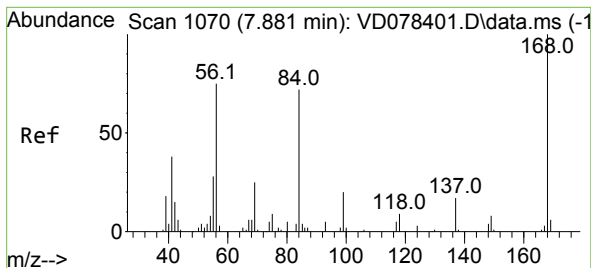
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.058 min Scan# 930
 Delta R.T. -0.029 min
 Lab File: VD078406.D
 Acq: 13 Feb 2024 17:14

Tgt Ion: 43 Resp: 328
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.229 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.018 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

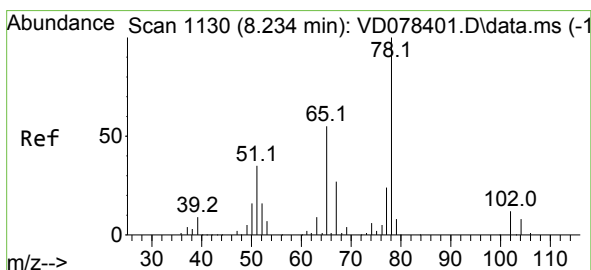
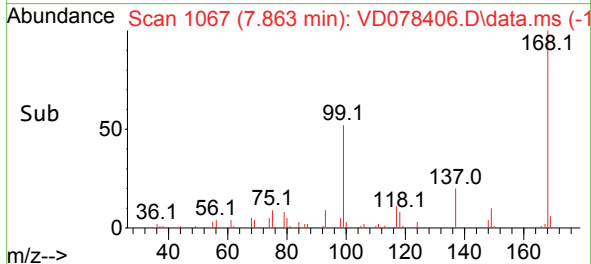
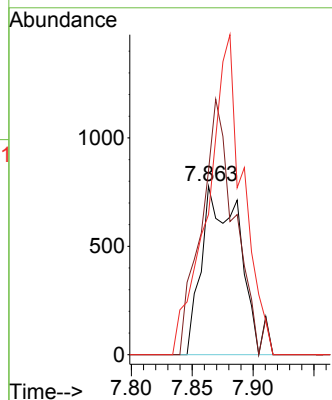
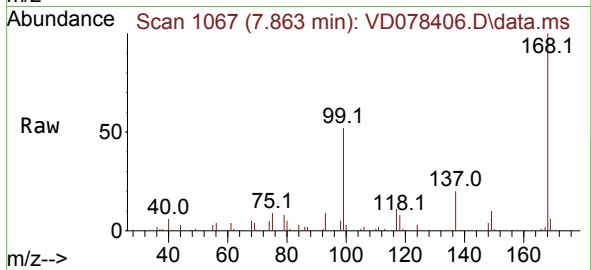
Tgt Ion: 56 Resp: 1693

Ion Ratio Lower Upper

56 100

69 109.3 28.6 43.0#

84 83.3 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 69.542 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078406.D

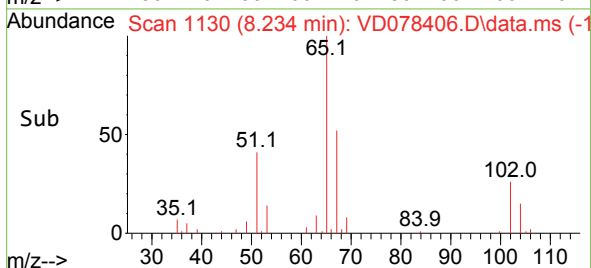
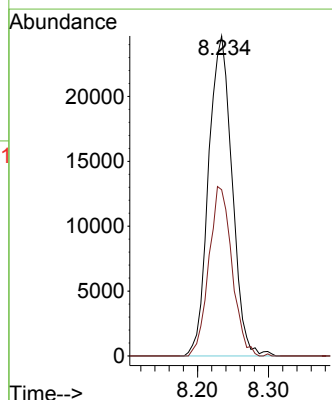
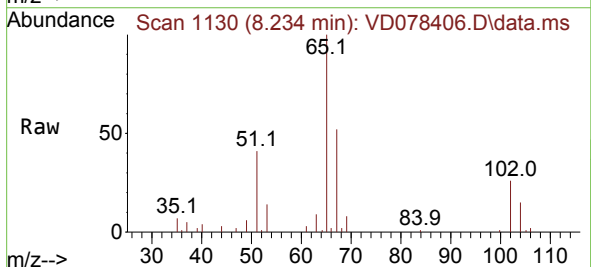
Acq: 13 Feb 2024 17:14

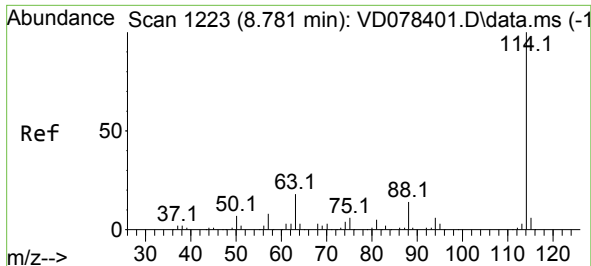
Tgt Ion: 65 Resp: 56625

Ion Ratio Lower Upper

65 100

67 51.9 0.0 115.0

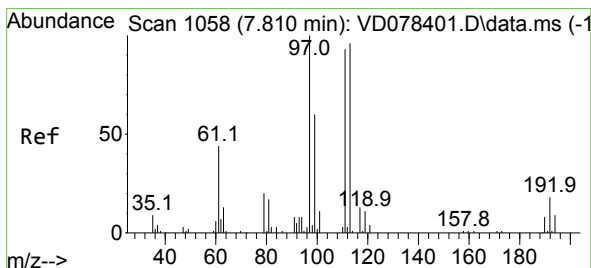
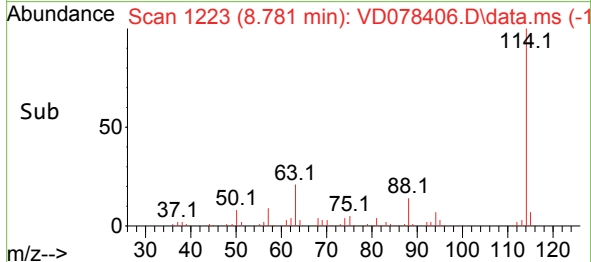
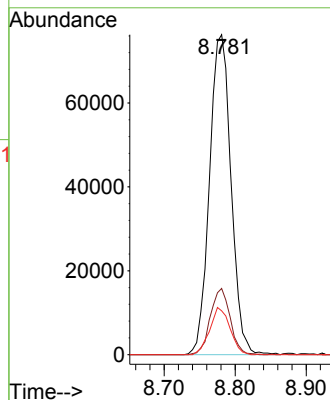
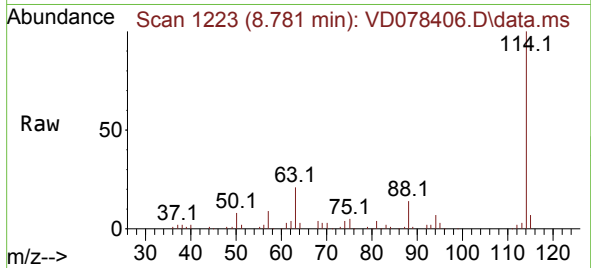




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

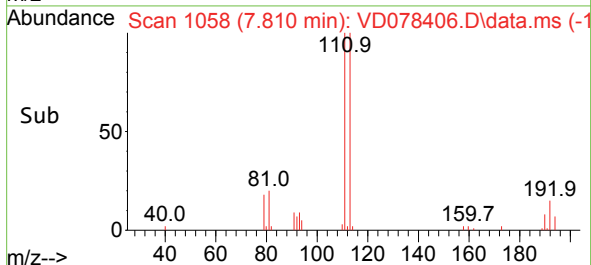
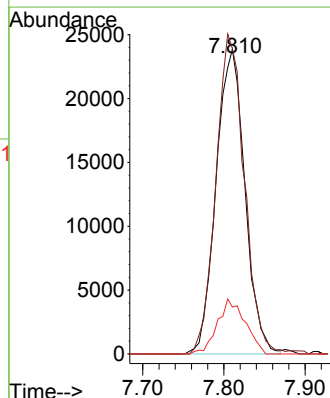
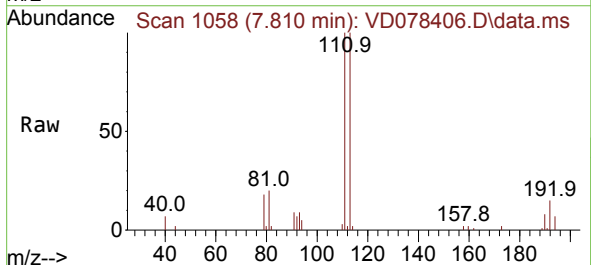
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

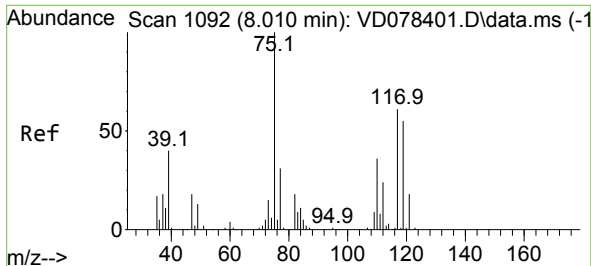
Tgt Ion:114 Resp: 160641
Ion Ratio Lower Upper
114 100
63 20.7 0.0 33.4
88 13.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 57.502 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Tgt Ion:113 Resp: 58676
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 17.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.256 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

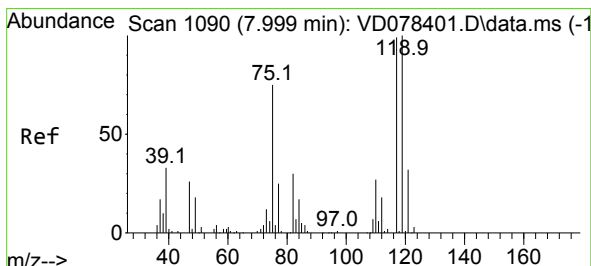
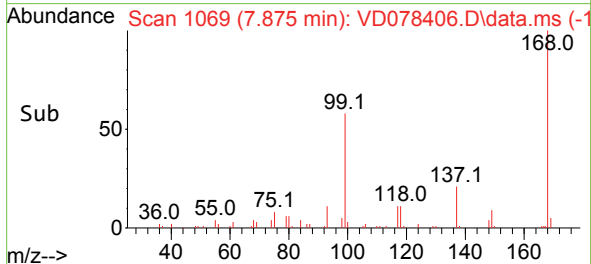
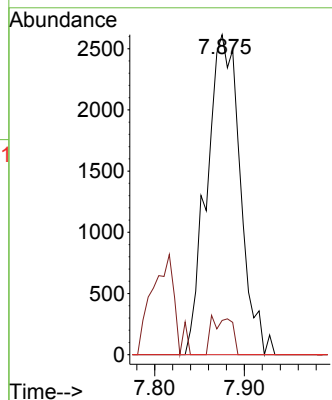
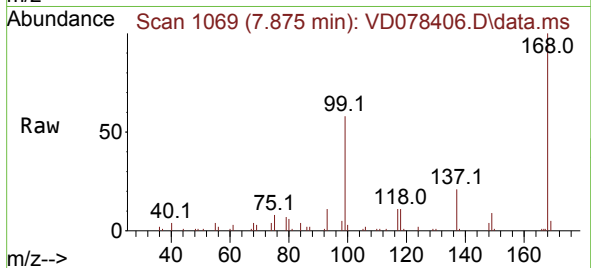
Tgt Ion: 75 Resp: 6747

Ion Ratio Lower Upper

75 100

110 7.2 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.201 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.112 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

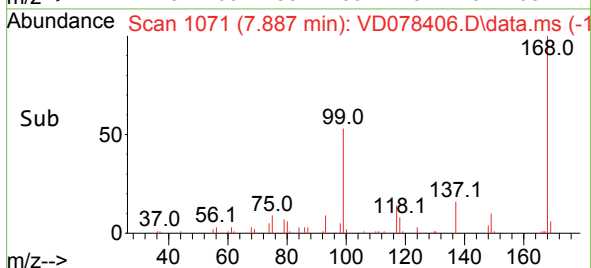
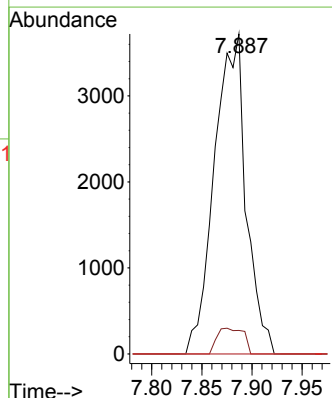
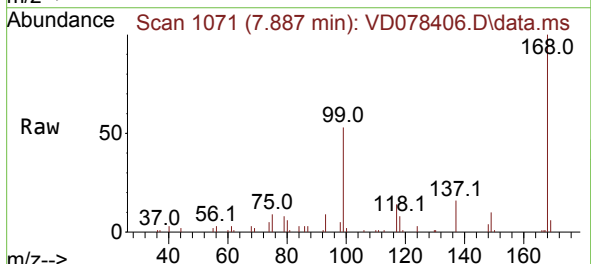
Tgt Ion: 117 Resp: 8165

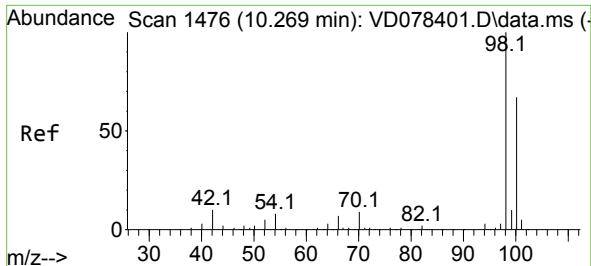
Ion Ratio Lower Upper

117 100

119 7.4 78.0 117.0#

121 0.0 24.2 36.2#

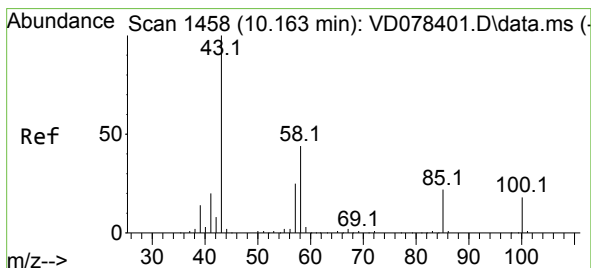
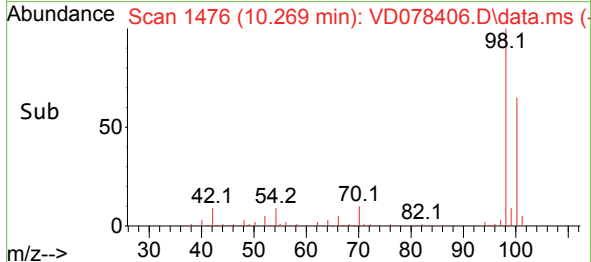
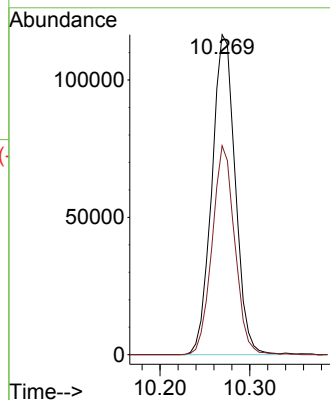
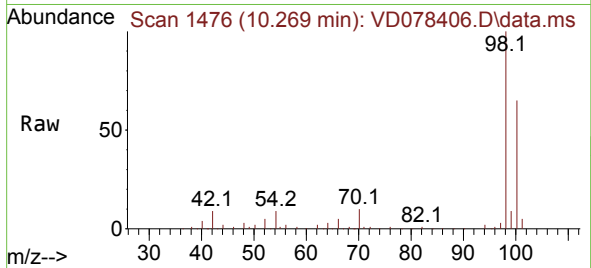




#50
Toluene-d8
Concen: 51.668 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

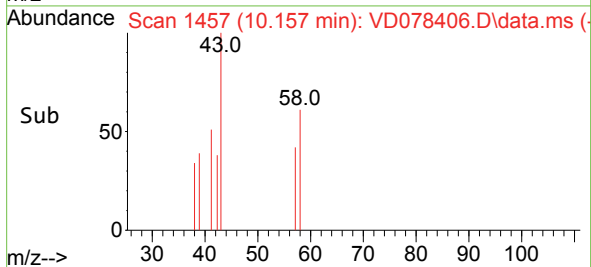
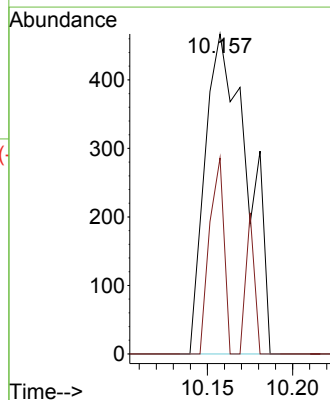
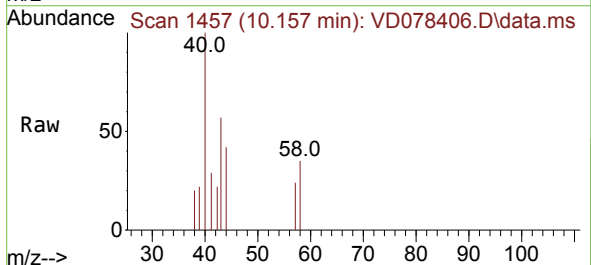
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

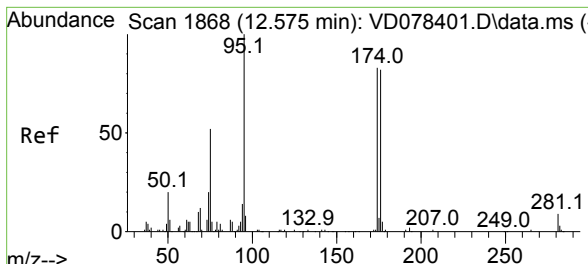
Tgt Ion: 98 Resp: 210904
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.476 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD078406.D
Acq: 13 Feb 2024 17:14

Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 21.0 38.9 58.3#

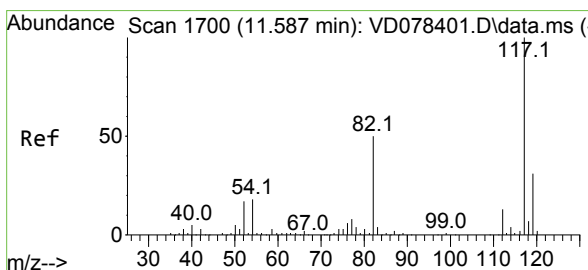
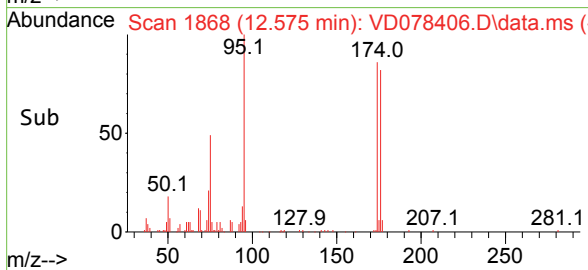
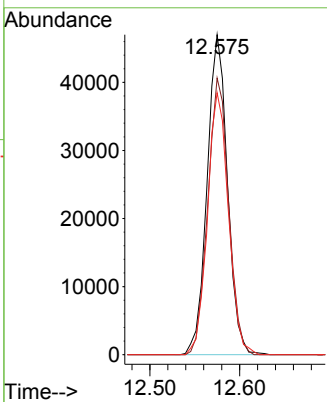
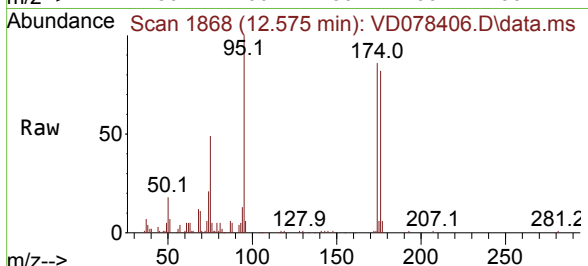




#62
 4-Bromofluorobenzene
 Concen: 62.328 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VD078406.D
 Acq: 13 Feb 2024 17:14

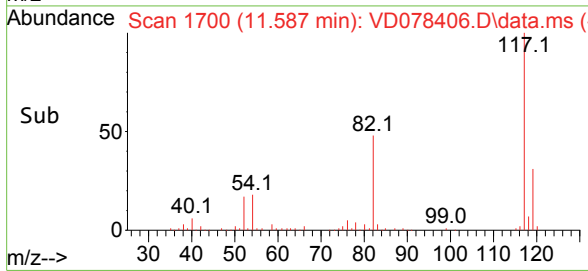
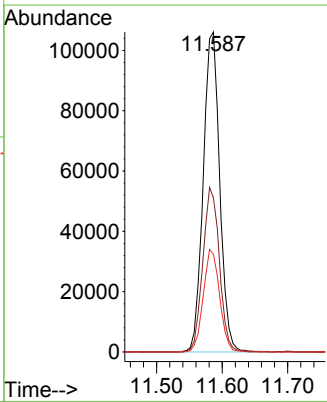
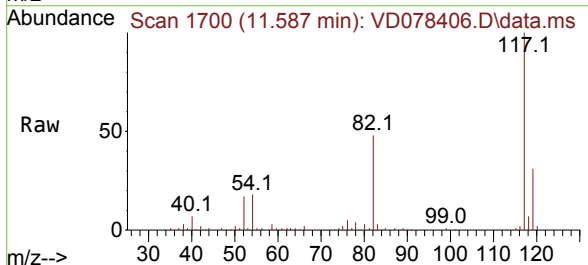
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

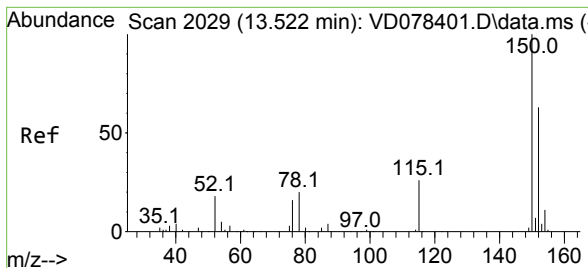
Tgt Ion:	95	Resp:	74038
Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	201.8
176	84.3	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.587 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VD078406.D
 Acq: 13 Feb 2024 17:14

Tgt Ion:	117	Resp:	185812
Ion	Ratio	Lower	Upper
117	100		
82	48.1	38.3	57.5
119	30.5	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD078406.D

Acq: 13 Feb 2024 17:14

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

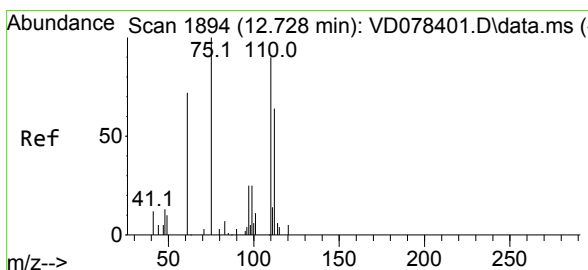
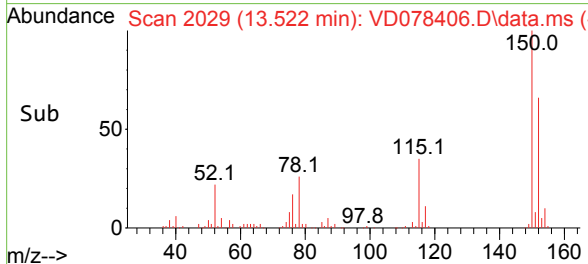
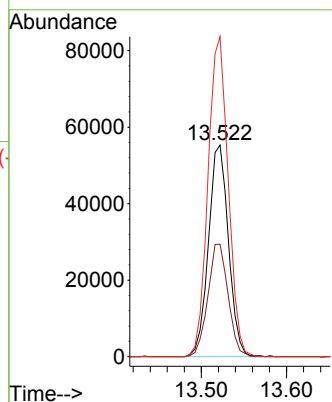
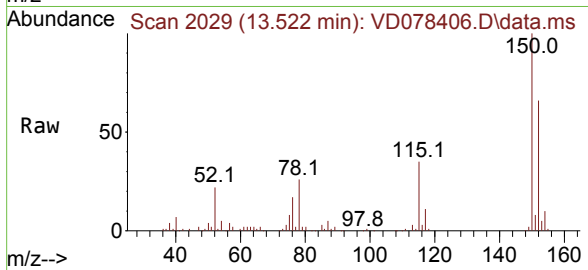
Tgt Ion:152 Resp: 90068

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.3

150 152.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 50.723 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078406.D

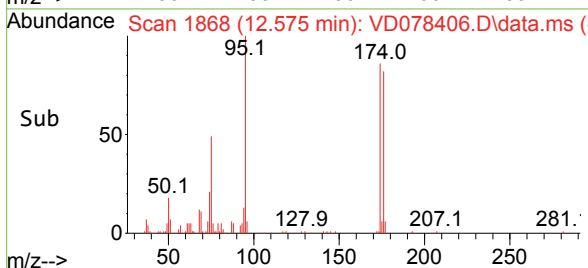
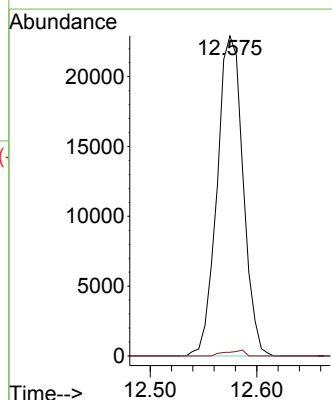
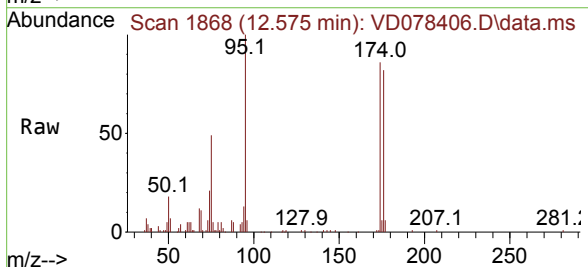
Acq: 13 Feb 2024 17:14

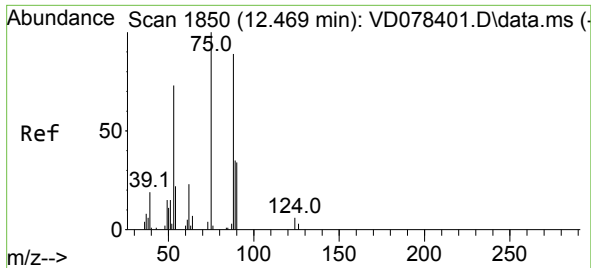
Tgt Ion: 75 Resp: 38785

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.301 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078406.D
 Acq: 13 Feb 2024 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 38785
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.2 37.9 56.9#

