

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021324\
 Data File : VD078404.D
 Acq On : 13 Feb 2024 14:52
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Feb 14 01:29:44 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)

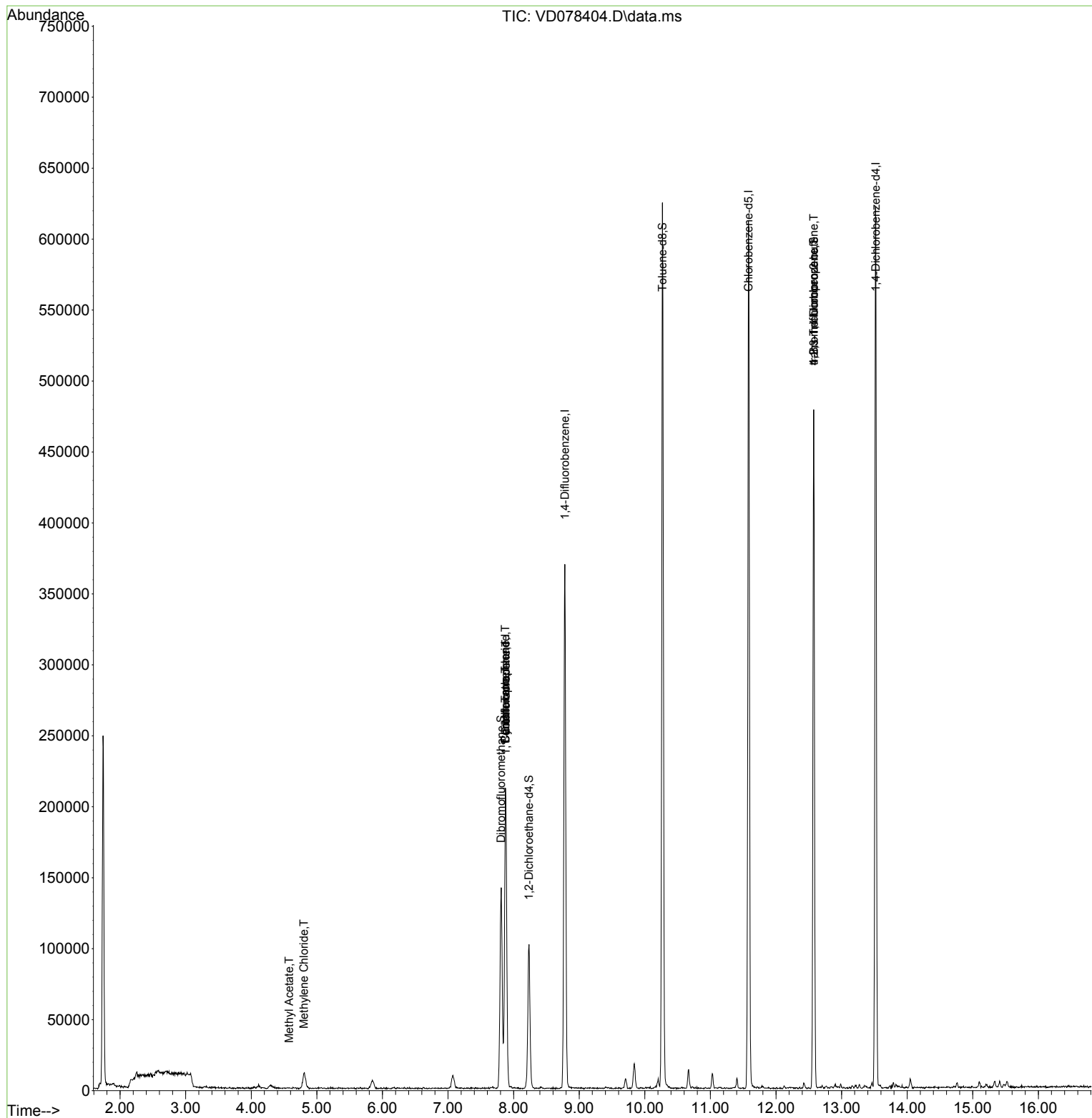
Internal Standards						
1) Pentafluorobenzene	7.875	168	160443	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	336765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	357354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	166046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76395	44.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.080%
35) Dibromofluoromethane	7.810	113	104597	48.896	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.800%
50) Toluene-d8	10.269	98	430340	50.289	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.575	95	140419	56.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.028	59	113	Below Cal	#	73
16) Acetone	4.016	43	665	Below Cal	#	32
18) Methyl Acetate	4.575	43	95	4.011	ug/l #	42
20) Methylene Chloride	4.805	84	8491	1.312	ug/l	92
23) Vinyl Acetate	6.169	43	229	Below Cal	#	63
25) 2-Butanone	7.099	43	776	Below Cal	#	37
31) Cyclohexane	7.875	56	3762	1.282	ug/l #	43
36) 1,1-Dichloropropene	7.881	75	13557	4.079	ug/l #	46
38) Carbon Tetrachloride	7.875	117	15654	4.757	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	74762	53.035	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	74762	110.101	ug/l #	17

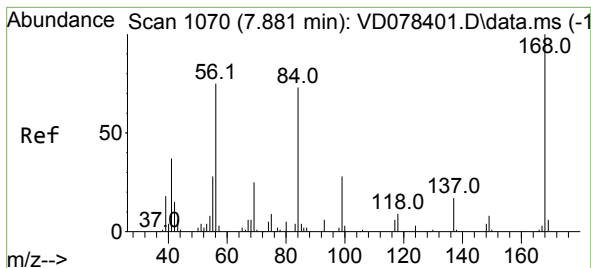
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Instrument :

MSVOA_D

ClientSampleId :

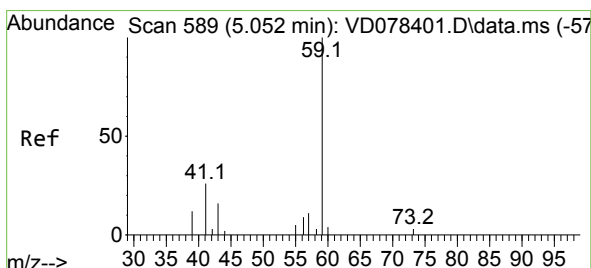
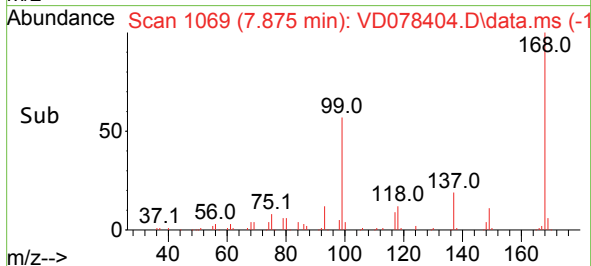
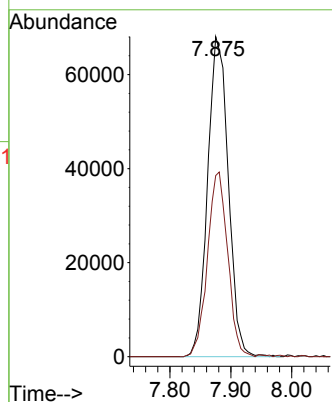
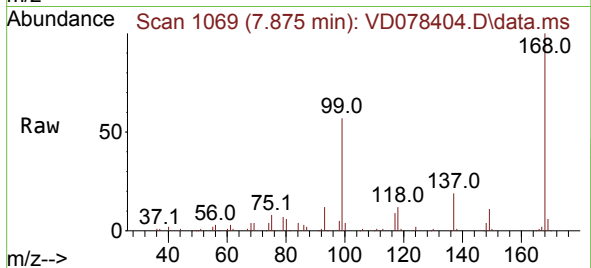
VIBLK

Tgt Ion:168 Resp: 160443

Ion Ratio Lower Upper

168 100

99 56.6 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 585

Delta R.T. -0.024 min

Lab File: VD078404.D

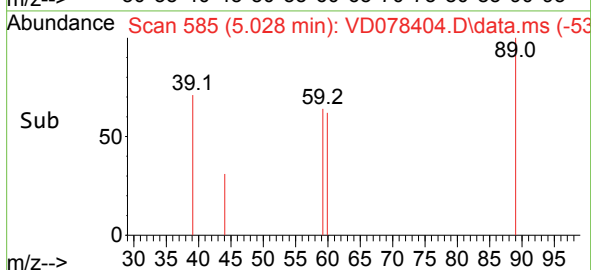
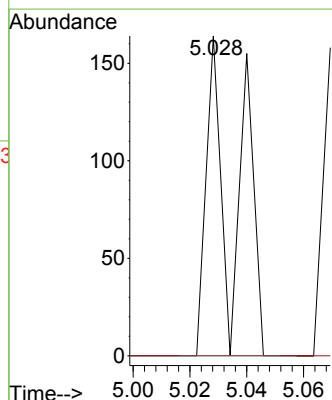
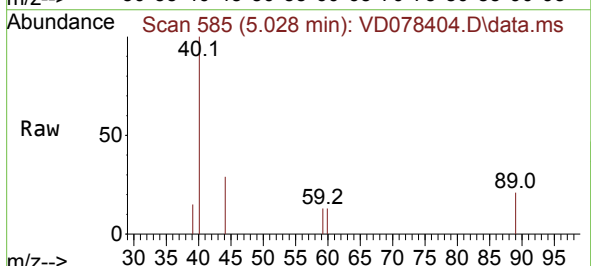
Acq: 13 Feb 2024 14:52

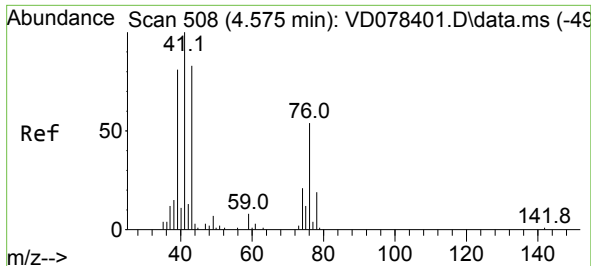
Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

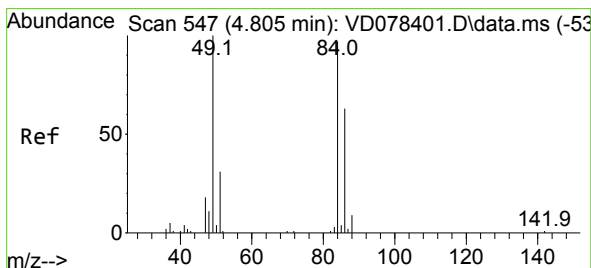
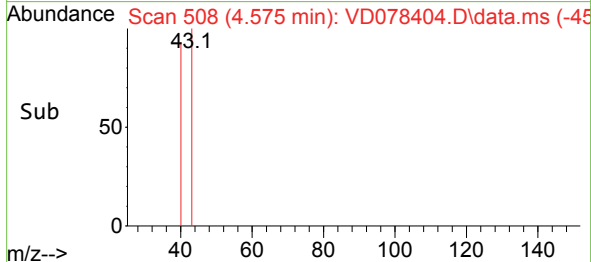
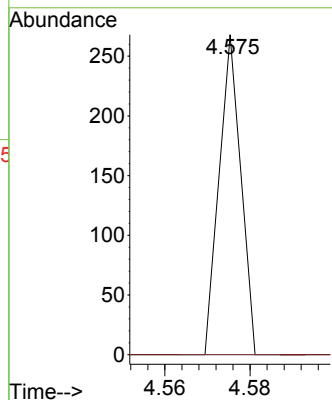
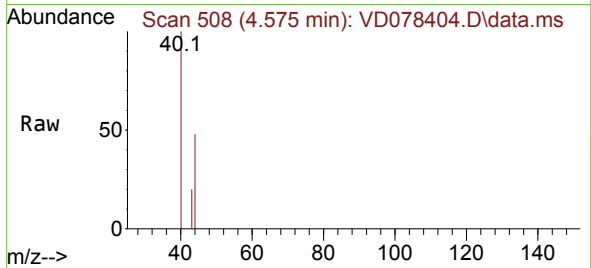




#18
Methyl Acetate
Concen: 4.011 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

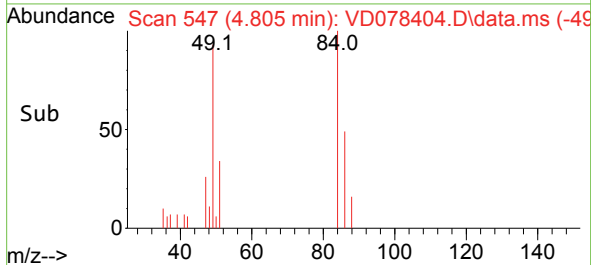
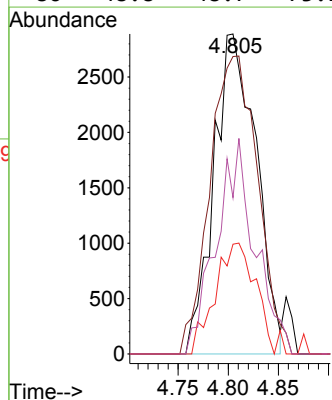
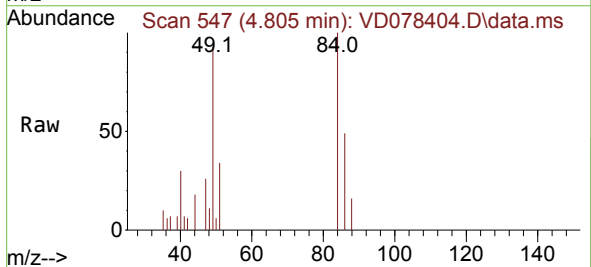
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

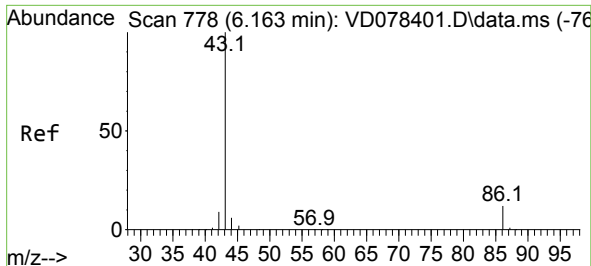
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 1.312 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

Tgt Ion: 84 Resp: 8491
Ion Ratio Lower Upper
84 100
49 93.0 71.4 107.2
51 34.3 24.5 36.7
86 48.8 48.7 73.1

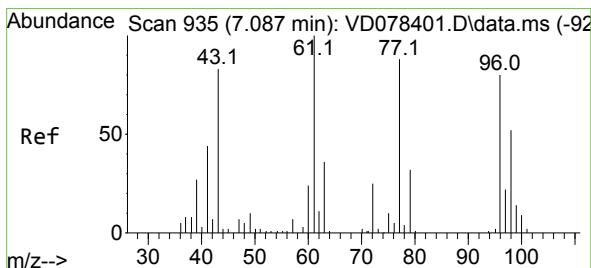
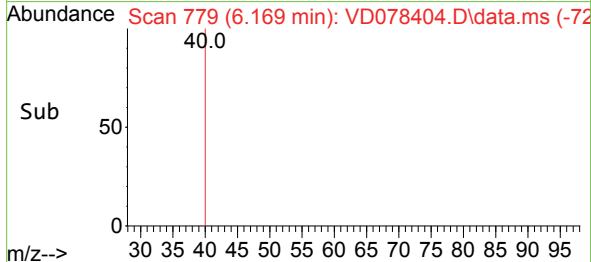
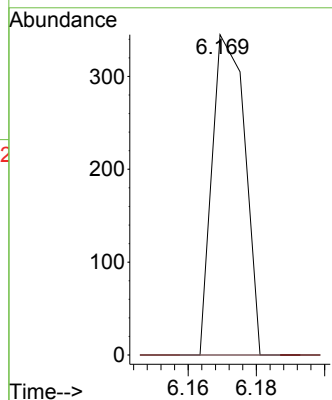
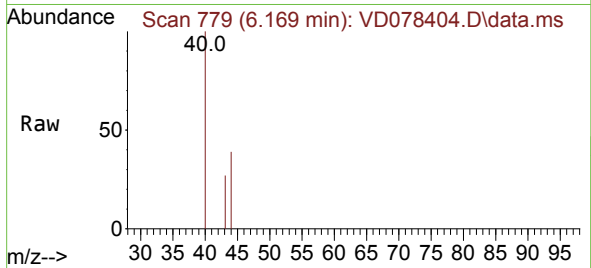




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.169 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD078404.D
 Acq: 13 Feb 2024 14:52

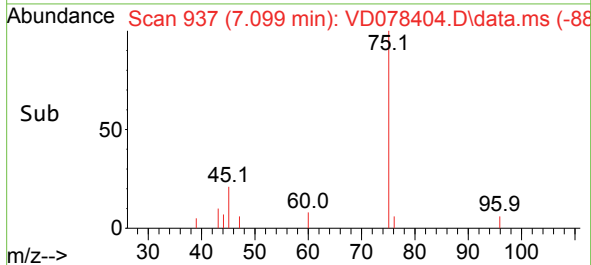
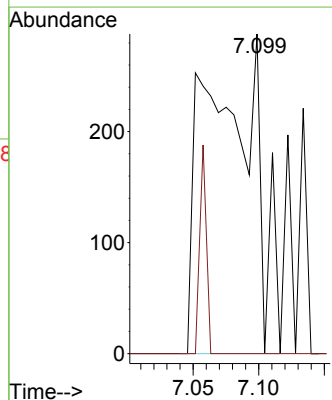
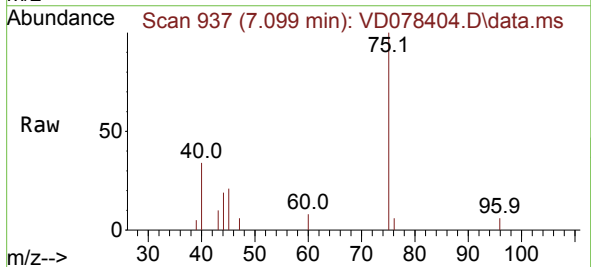
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

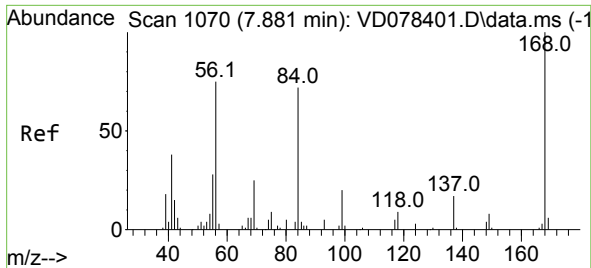
Tgt Ion: 43 Resp: 229
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.099 min Scan# 937
 Delta R.T. 0.012 min
 Lab File: VD078404.D
 Acq: 13 Feb 2024 14:52

Tgt Ion: 43 Resp: 776
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#

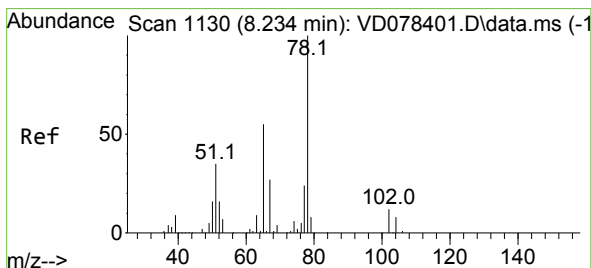
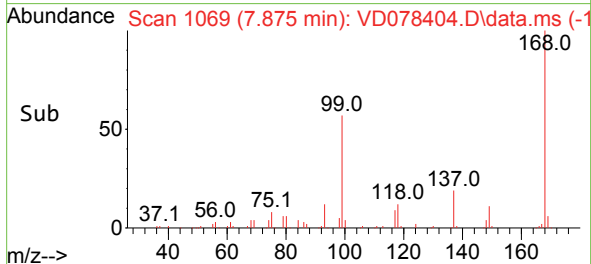
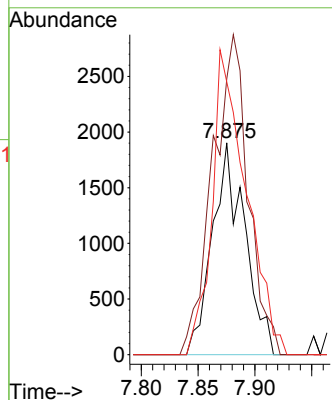
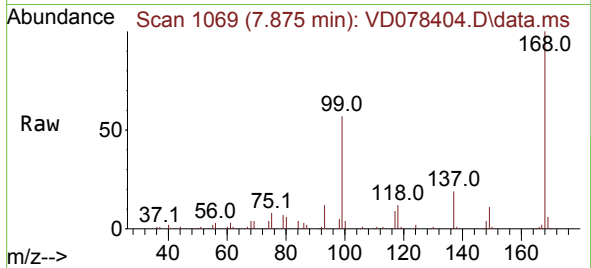




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

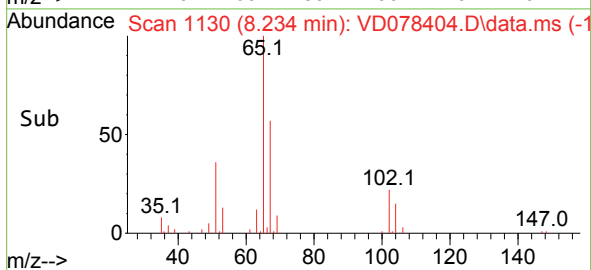
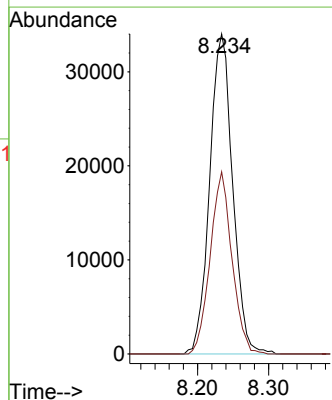
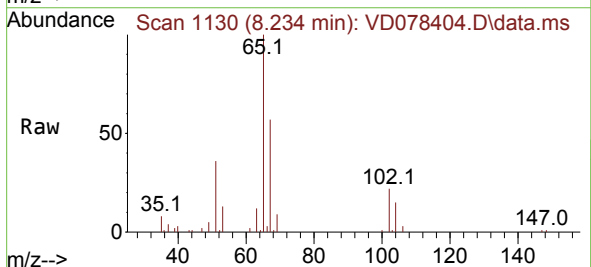
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

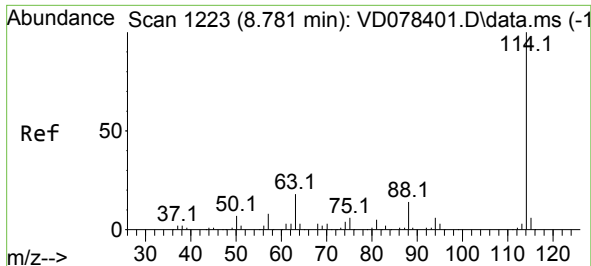
Tgt Ion: 56 Resp: 3762
Ion Ratio Lower Upper
56 100
69 130.2 28.6 43.0#
84 128.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 44.037 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

Tgt Ion: 65 Resp: 76395
Ion Ratio Lower Upper
65 100
67 54.0 0.0 115.0

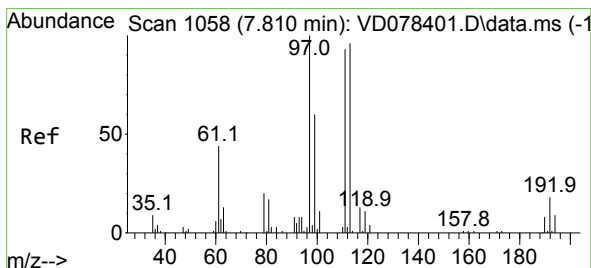
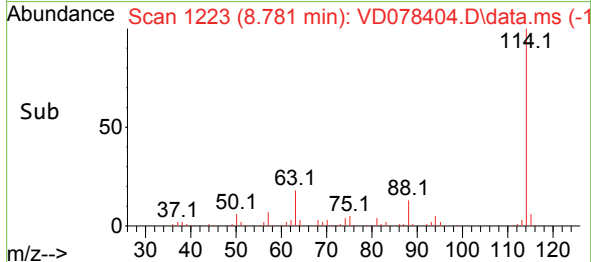
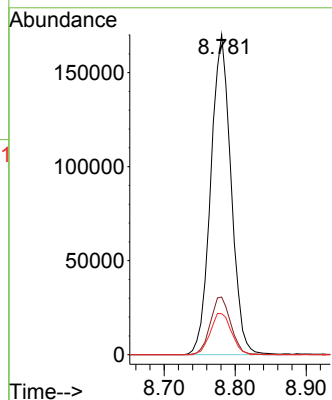
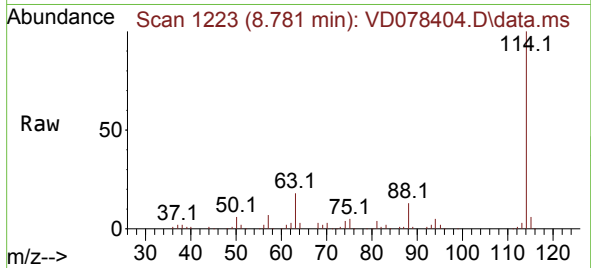




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

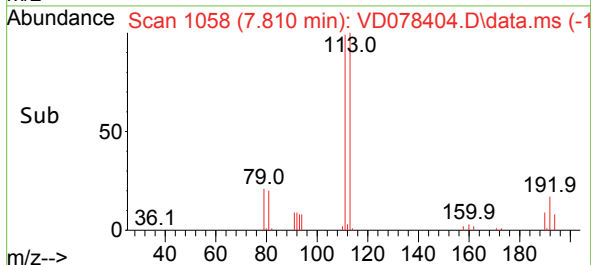
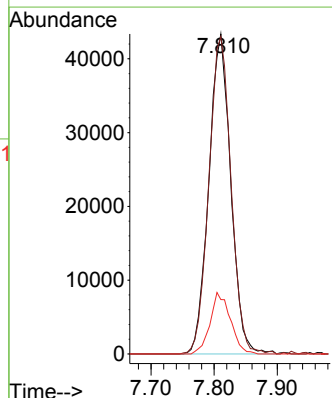
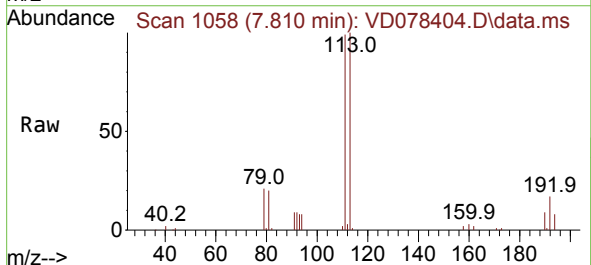
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

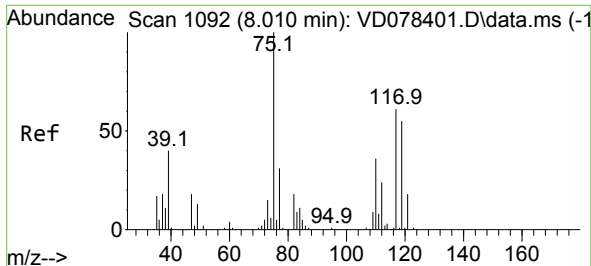
Tgt Ion:114 Resp: 336765
Ion Ratio Lower Upper
114 100
63 18.0 0.0 33.4
88 12.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 48.896 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

Tgt Ion:113 Resp: 104597
Ion Ratio Lower Upper
113 100
111 100.4 84.7 127.1
192 17.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.079 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

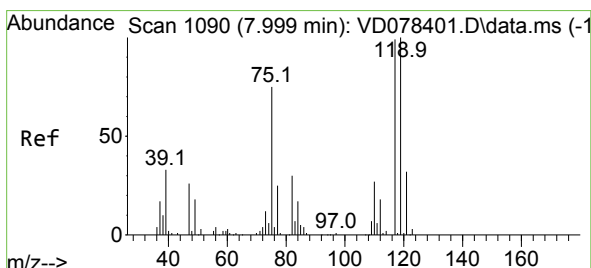
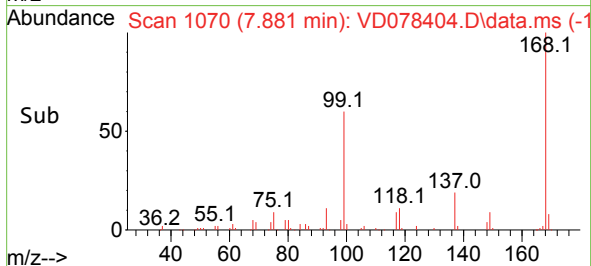
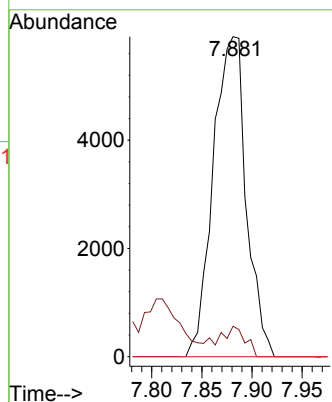
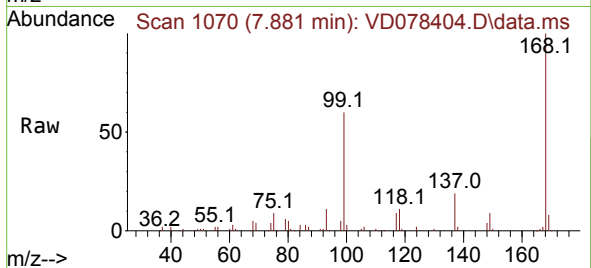
Tgt Ion: 75 Resp: 13557

Ion Ratio Lower Upper

75 100

110 7.8 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.757 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

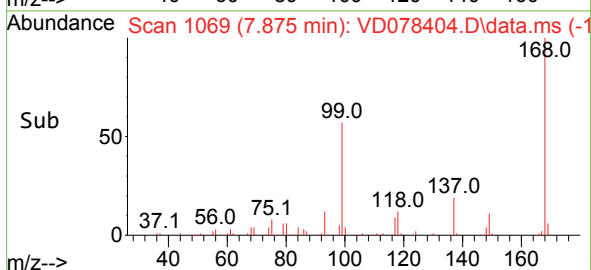
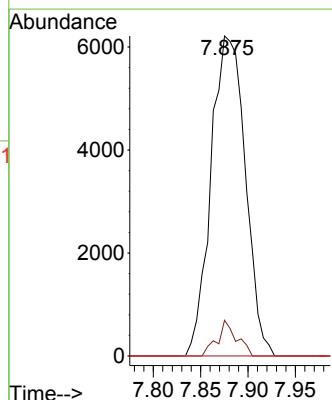
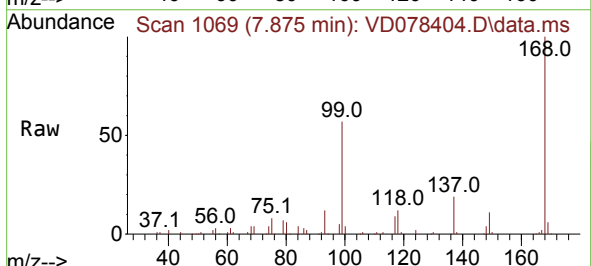
Tgt Ion: 117 Resp: 15654

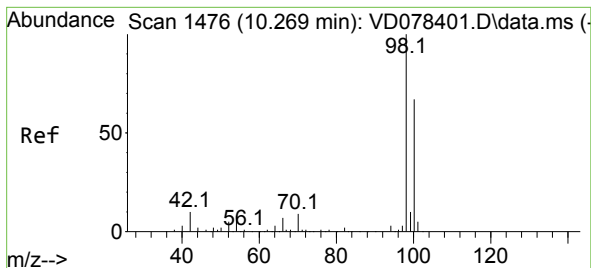
Ion Ratio Lower Upper

117 100

119 11.1 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 50.289 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Instrument :

MSVOA_D

ClientSampleId :

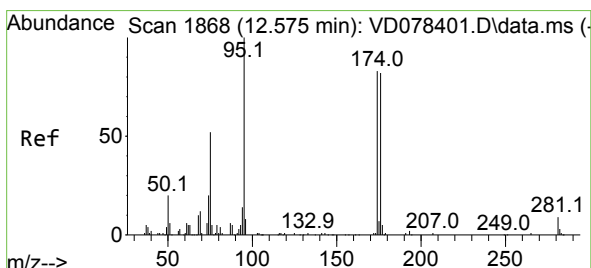
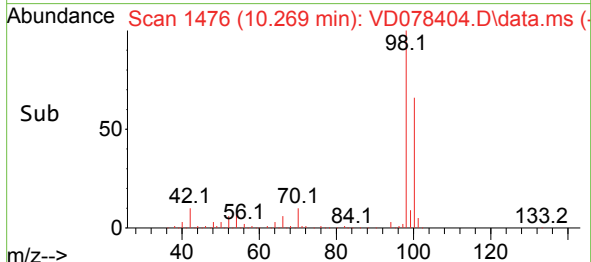
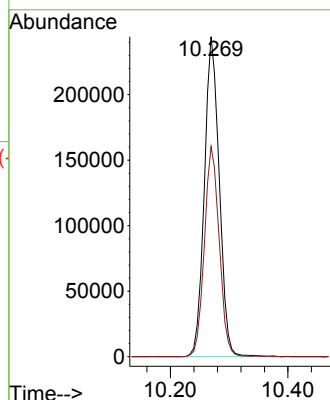
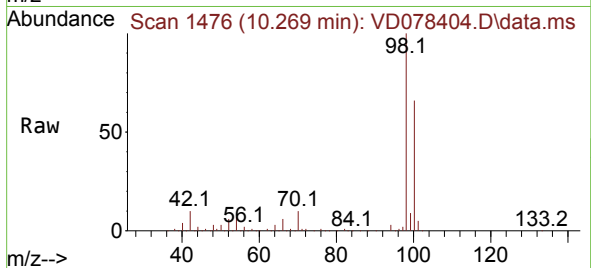
VIBLK

Tgt Ion: 98 Resp: 430340

Ion Ratio Lower Upper

98 100

100 65.5 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 56.388 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

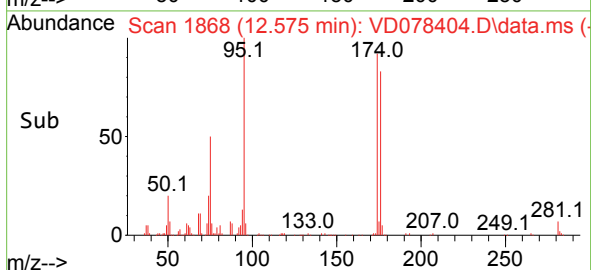
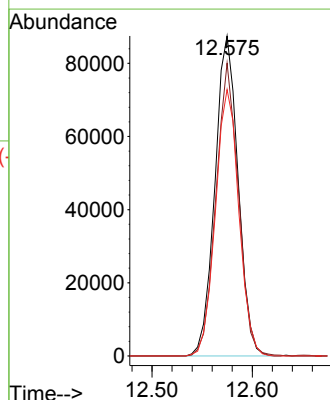
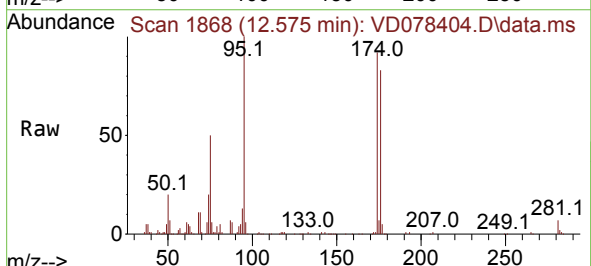
Tgt Ion: 95 Resp: 140419

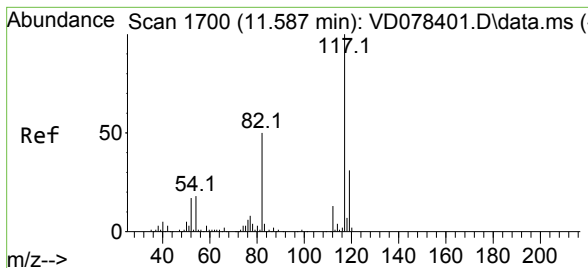
Ion Ratio Lower Upper

95 100

174 88.4 0.0 201.8

176 84.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078404.D

Acq: 13 Feb 2024 14:52

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

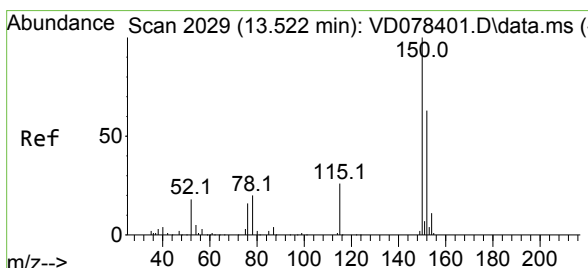
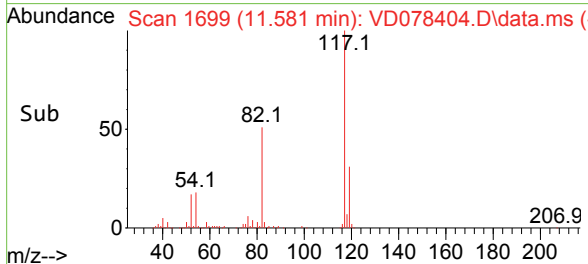
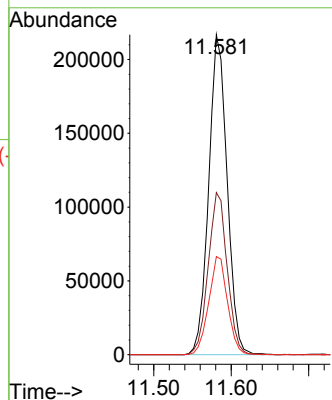
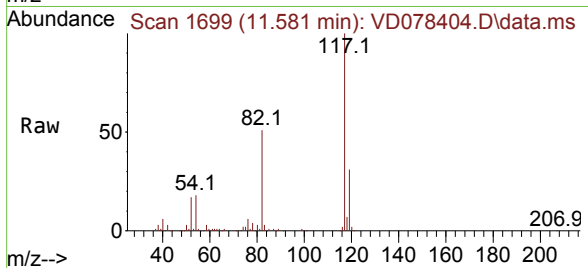
Tgt Ion:117 Resp: 357354

Ion Ratio Lower Upper

117 100

82 50.7 38.3 57.5

119 30.7 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: VD078404.D

Acq: 13 Feb 2024 14:52

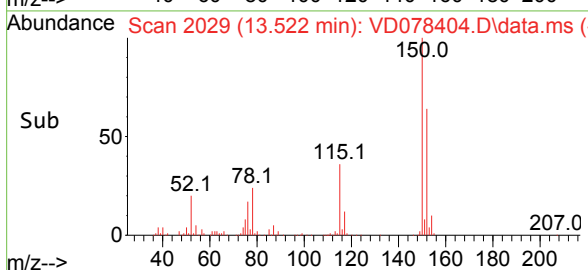
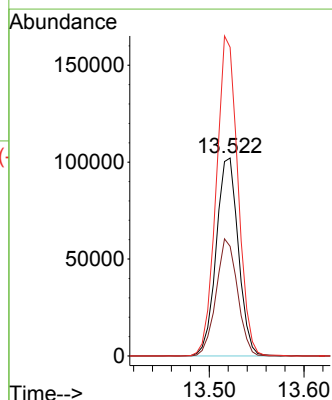
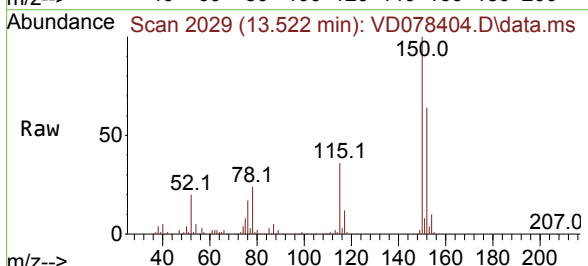
Tgt Ion:152 Resp: 166046

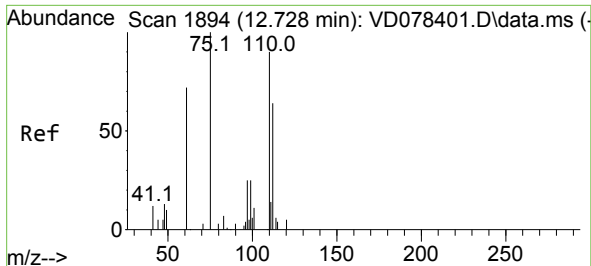
Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 157.7 0.0 353.6

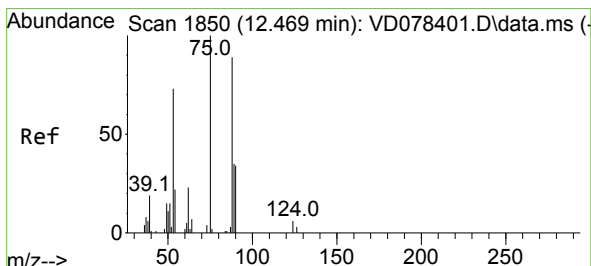
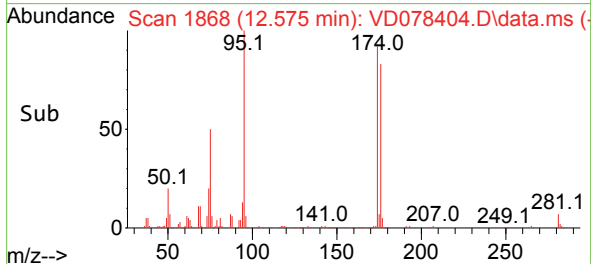
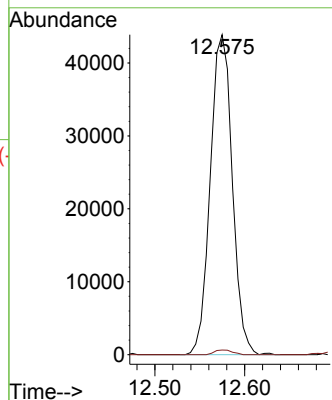
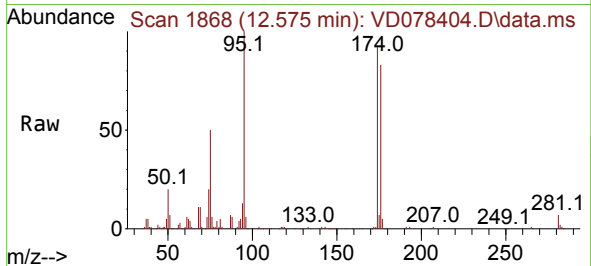




#76
1,2,3-Trichloropropane
Concen: 53.035 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 74762
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.101 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078404.D
Acq: 13 Feb 2024 14:52

Tgt Ion: 75 Resp: 74762
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.2 37.9 56.9#

