

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078511.D
 Acq On : 22 Feb 2024 12:18
 Operator : RP/MD
 Sample : VD0222SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBL01

Quant Time: Feb 23 01:01:26 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)

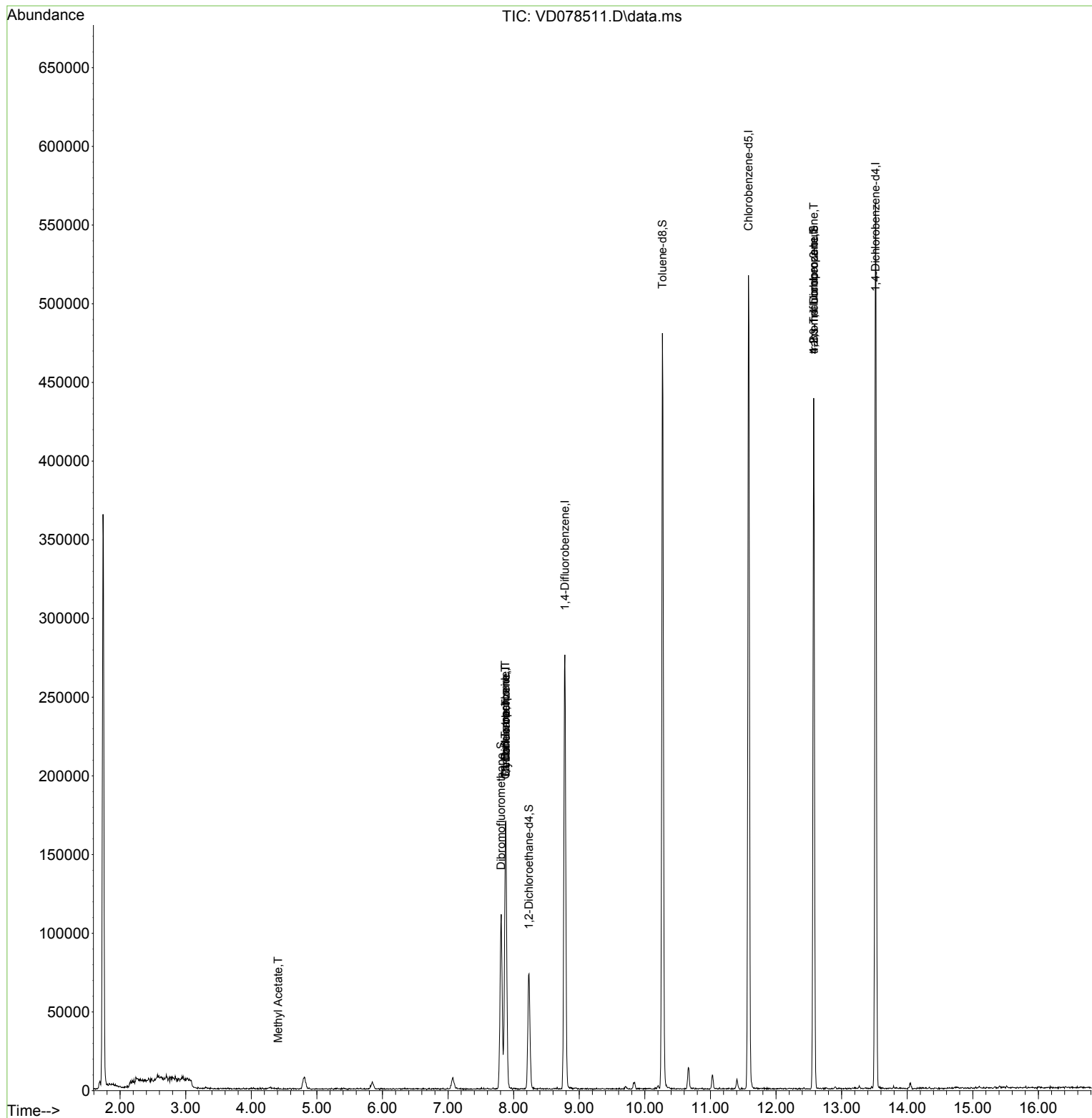
Internal Standards						
1) Pentafluorobenzene	7.881	168	133472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	259066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	57815	40.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.120%
35) Dibromofluoromethane	7.810	113	78817	47.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.780%
50) Toluene-d8	10.269	98	333080	50.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.200%
62) 4-Bromofluorobenzene	12.575	95	127078	66.336	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	132.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.063	59	56	Below Cal	#	73
16) Acetone	4.028	43	292	Below Cal	#	32
18) Methyl Acetate	4.410	43	56	3.990	ug/l #	42
23) Vinyl Acetate	6.163	43	65	Below Cal	#	63
25) 2-Butanone	7.081	43	135	Below Cal	#	37
31) Cyclohexane	7.881	56	3058	1.253	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	10742	4.202	ug/l #	48
38) Carbon Tetrachloride	7.875	117	13317	5.260	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	64309	48.907	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64309	101.532	ug/l #	17

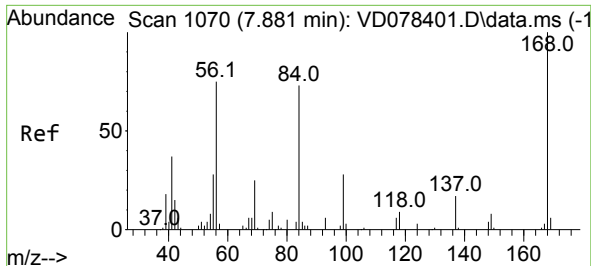
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

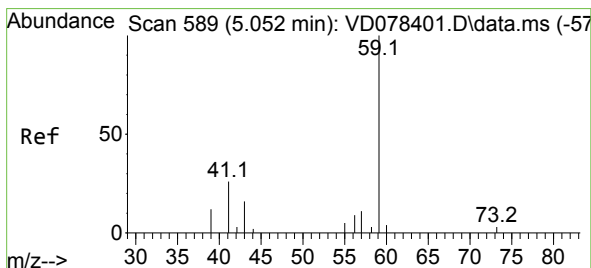
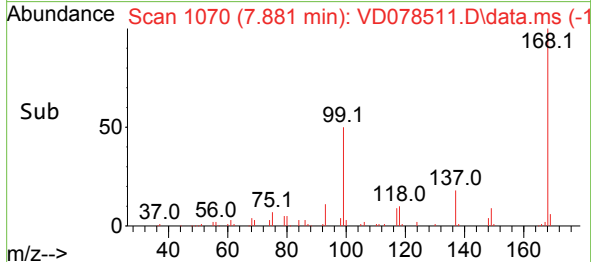
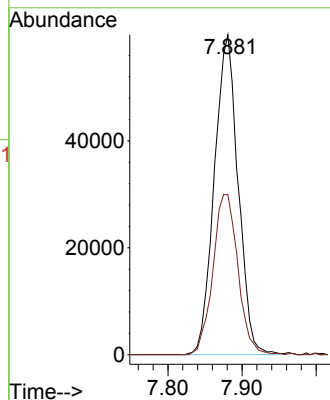
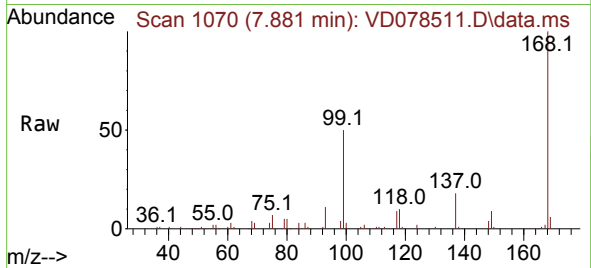




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078511.D
Acq: 22 Feb 2024 12:18

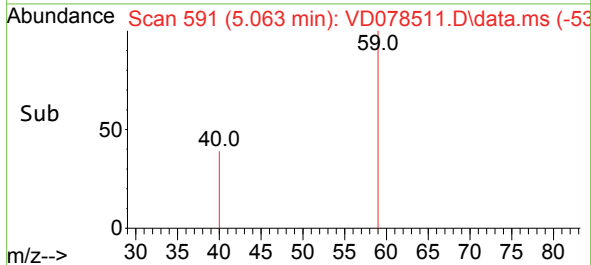
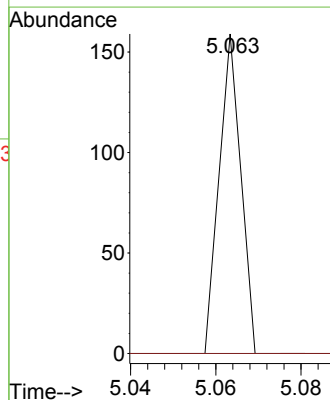
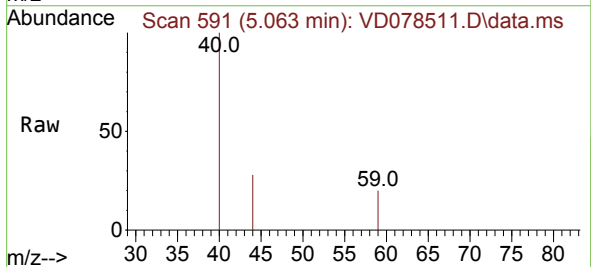
Instrument :
MSVOA_D
ClientSampleId :
VD0222SBL01

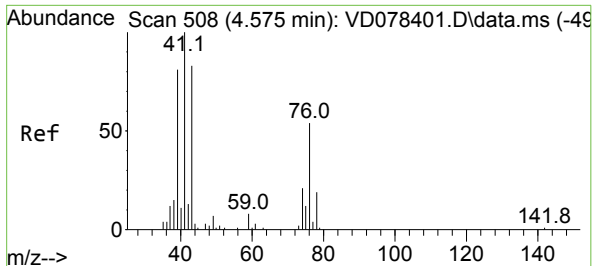
Tgt Ion:168 Resp: 133472
Ion Ratio Lower Upper
168 100
99 50.0 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.063 min Scan# 591
Delta R.T. 0.011 min
Lab File: VD078511.D
Acq: 22 Feb 2024 12:18

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#18

Methyl Acetate

Concen: 3.990 ug/l

RT: 4.410 min Scan# 41

Delta R.T. -0.165 min

Lab File: VD078511.D

Acq: 22 Feb 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

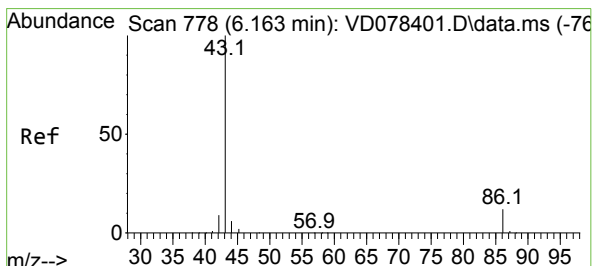
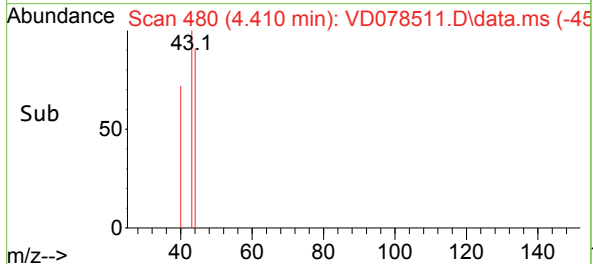
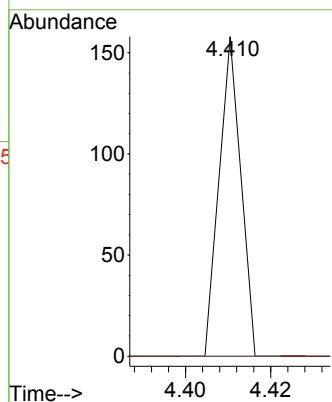
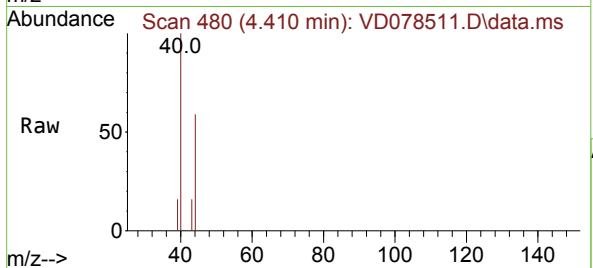
VD0222SBL01

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#



#23

Vinyl Acetate

Concen: Below Cal

RT: 6.163 min Scan# 778

Delta R.T. 0.000 min

Lab File: VD078511.D

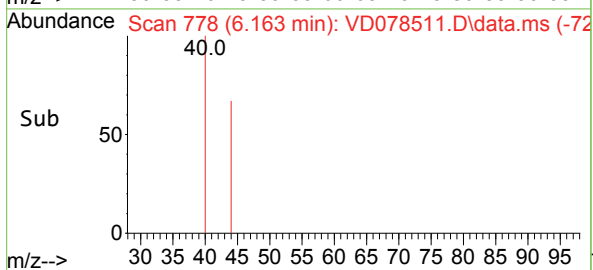
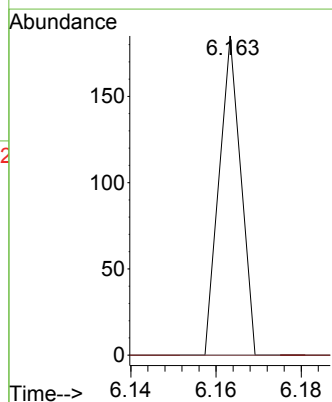
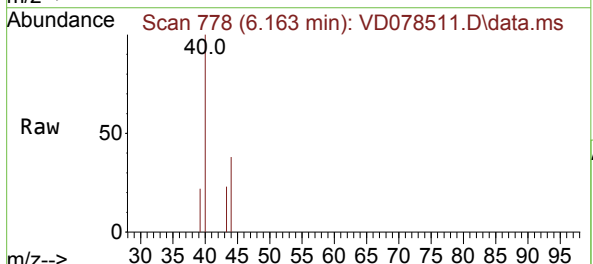
Acq: 22 Feb 2024 12:18

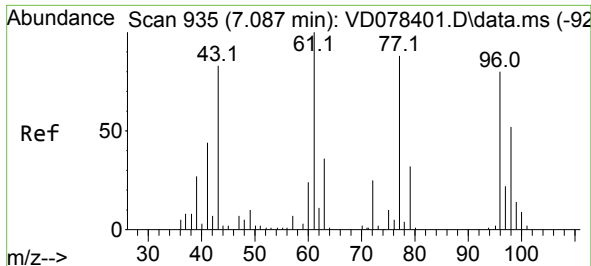
Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

86 0.0 12.5 18.7#

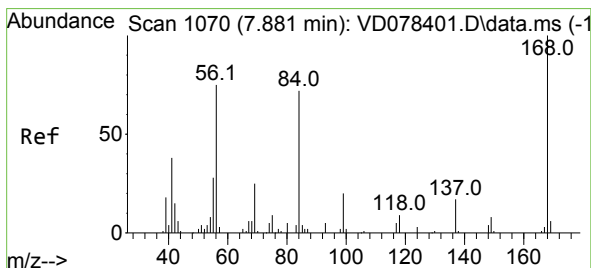
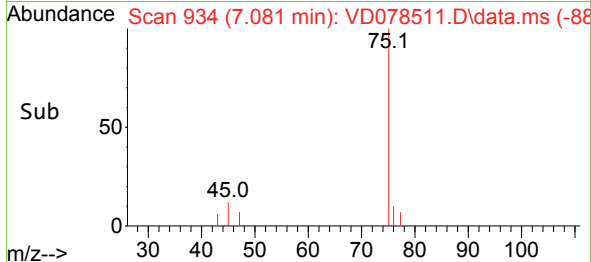
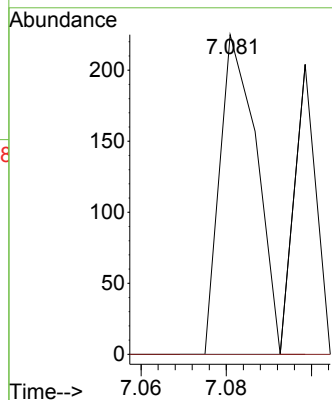
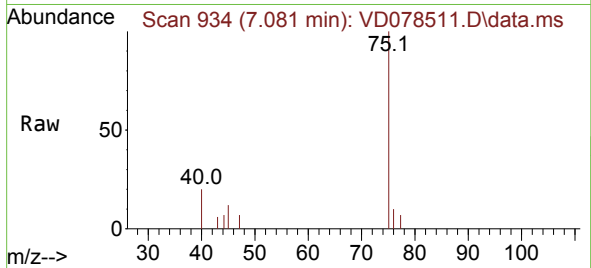




#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078511.D
Acq: 22 Feb 2024 12:18

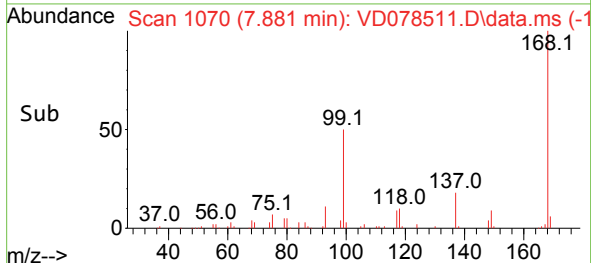
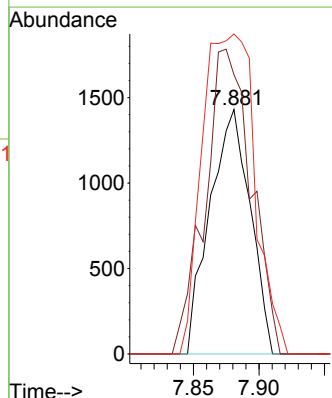
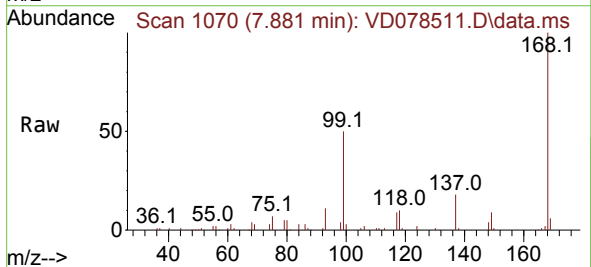
Instrument :
MSVOA_D
ClientSampleId :
VD0222SBL01

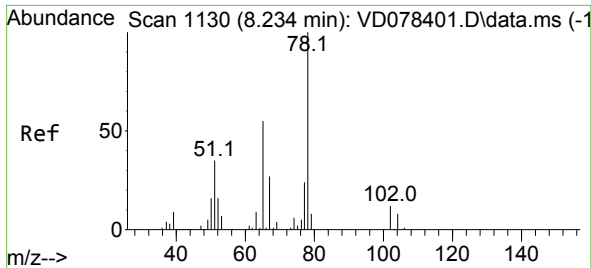
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078511.D
Acq: 22 Feb 2024 12:18

Tgt Ion: 56 Resp: 3058
Ion Ratio Lower Upper
56 100
69 114.2 28.6 43.0#
84 130.9 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 40.061 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078511.D

Acq: 22 Feb 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

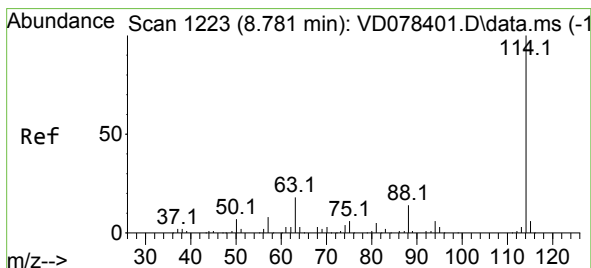
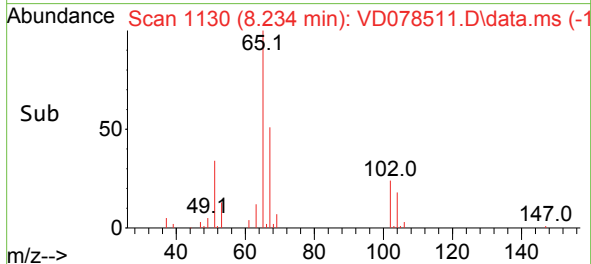
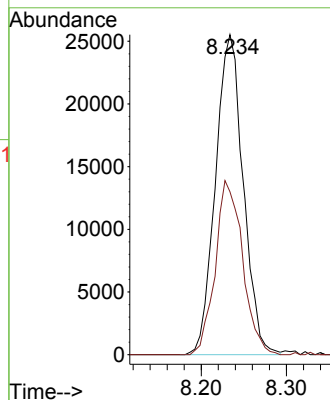
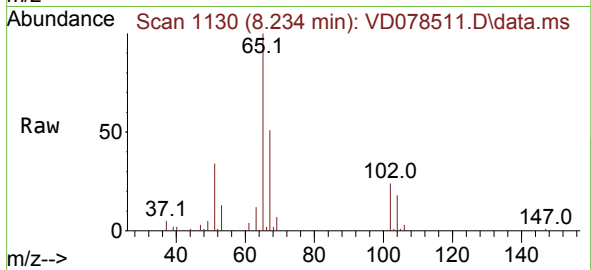
VD0222SBL01

Tgt Ion: 65 Resp: 57815

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078511.D

Acq: 22 Feb 2024 12:18

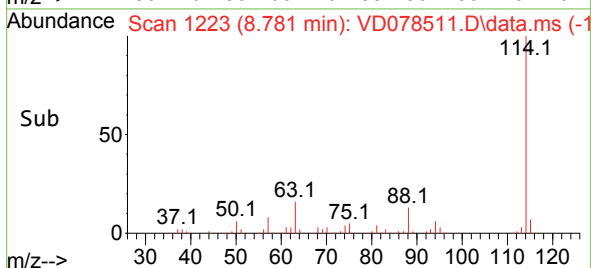
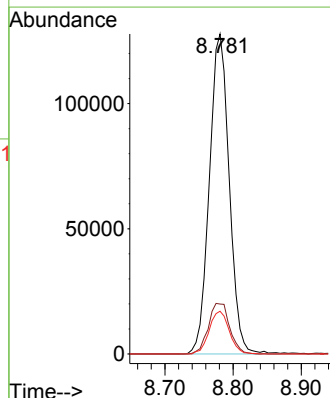
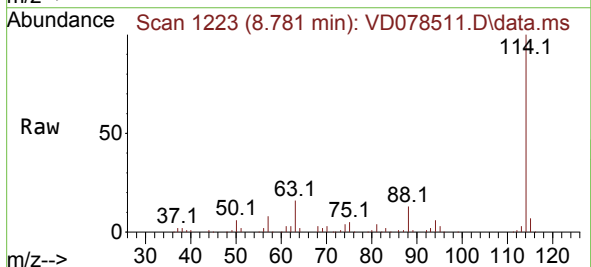
Tgt Ion:114 Resp: 259066

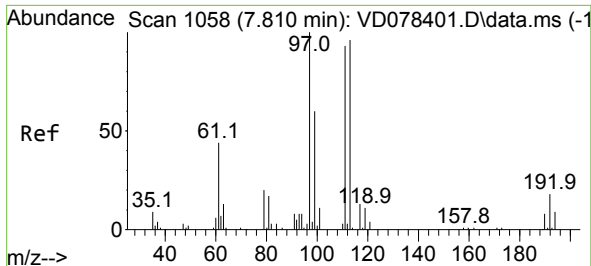
Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.4

88 13.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.895 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078511.D

Acq: 22 Feb 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0222SBL01

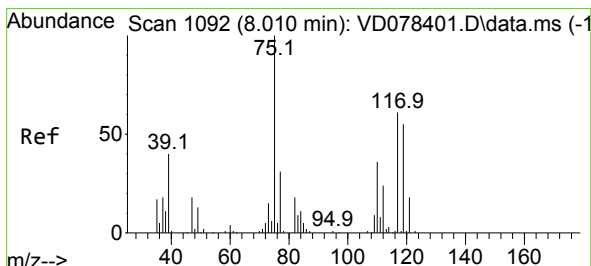
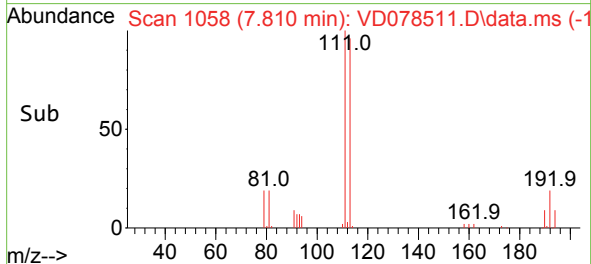
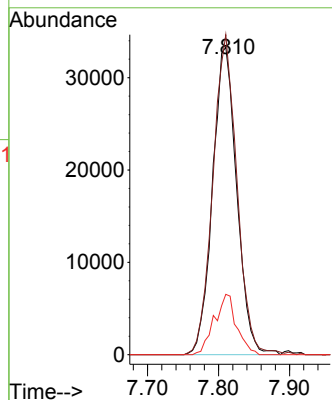
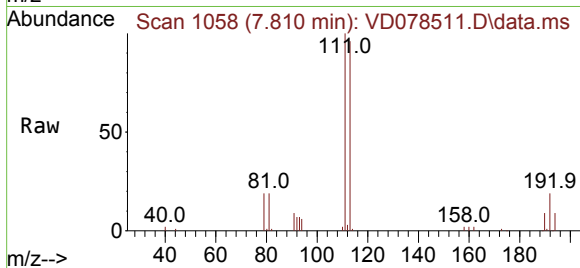
Tgt Ion:113 Resp: 78817

Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 18.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.202 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078511.D

Acq: 22 Feb 2024 12:18

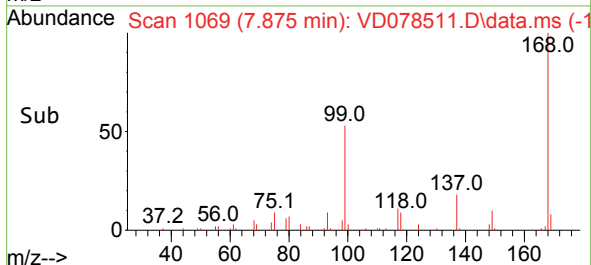
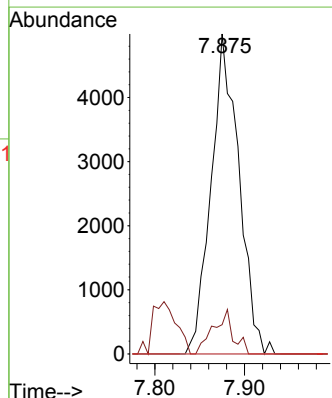
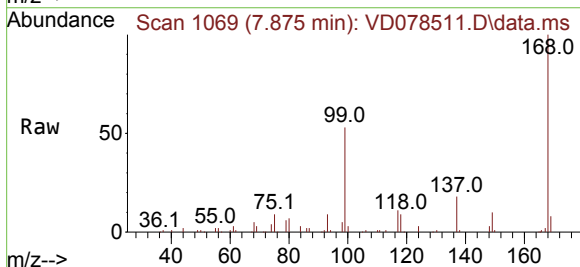
Tgt Ion: 75 Resp: 10742

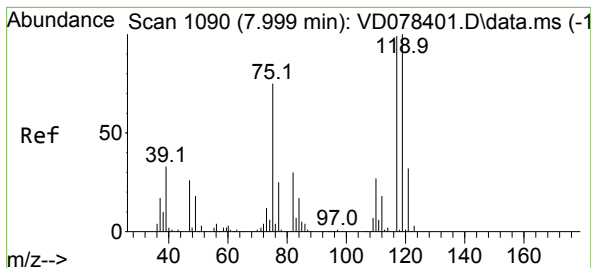
Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.260 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078511.D

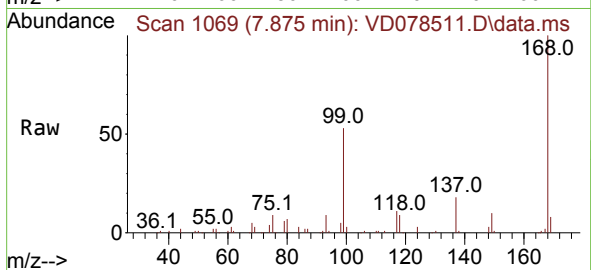
Acq: 22 Feb 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD0222SBL01



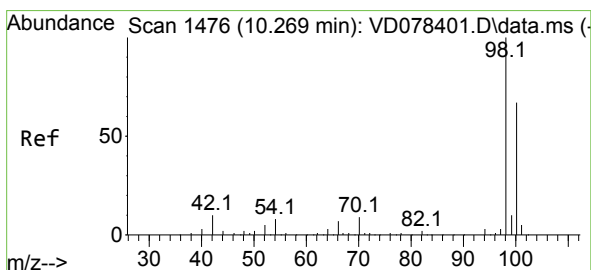
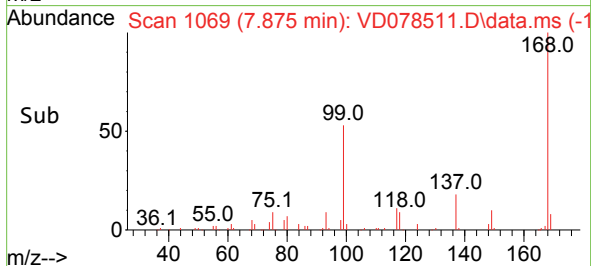
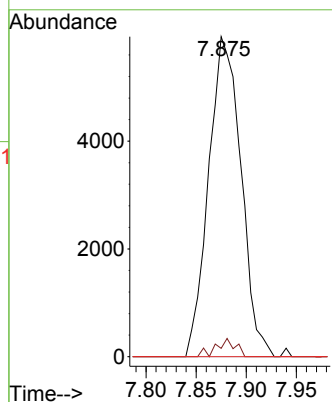
Tgt Ion:117 Resp: 13317

Ion Ratio Lower Upper

117 100

119 2.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.597 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078511.D

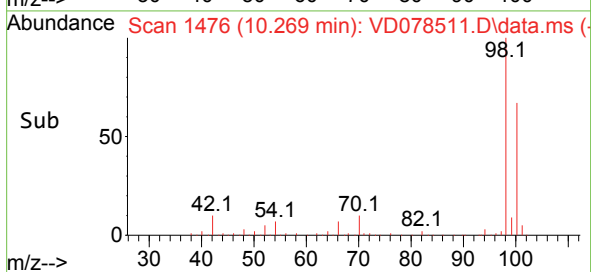
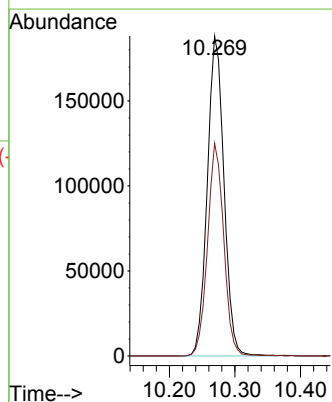
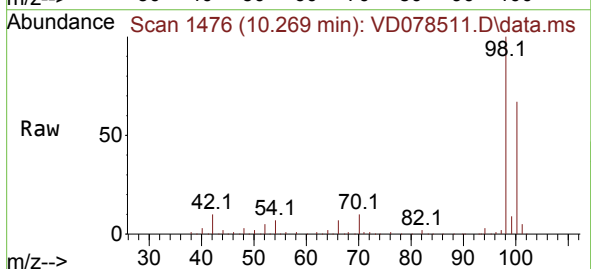
Acq: 22 Feb 2024 12:18

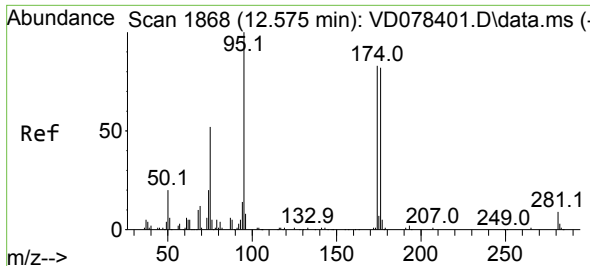
Tgt Ion: 98 Resp: 333080

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

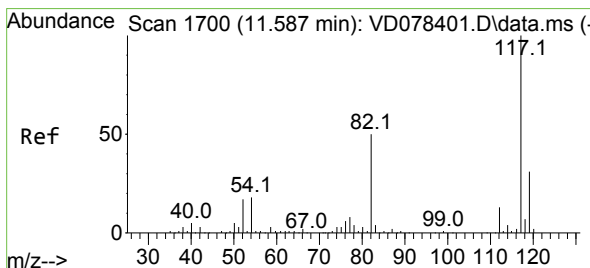
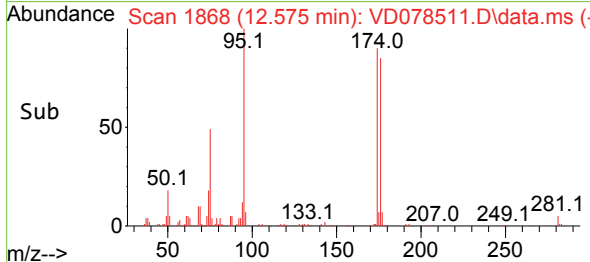
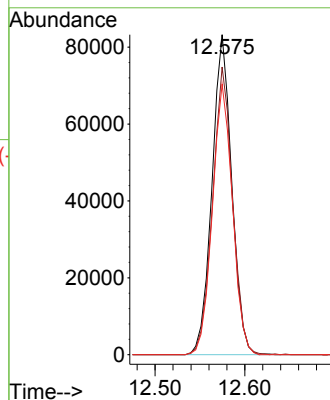
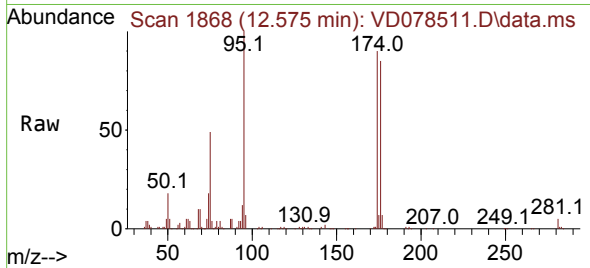




#62
4-Bromofluorobenzene
Concen: 66.336 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078511.D
Acq: 22 Feb 2024 12:18

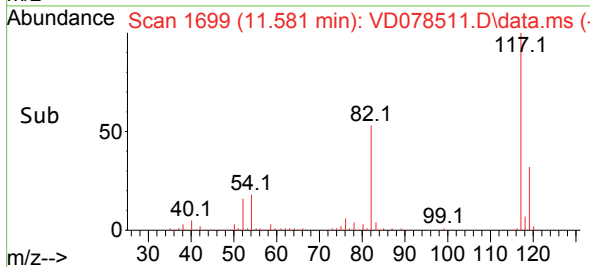
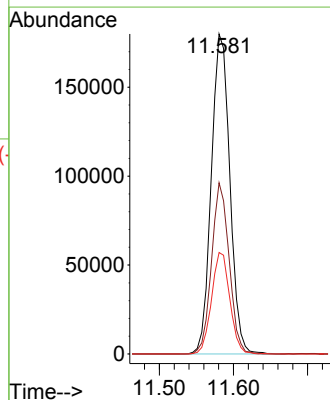
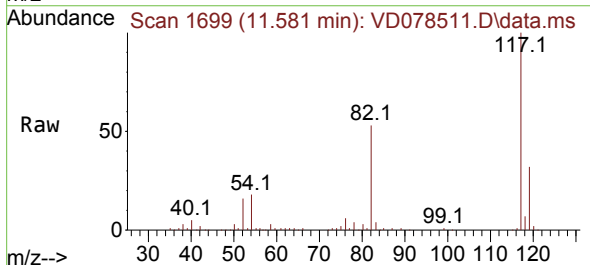
Instrument :
MSVOA_D
ClientSampleId :
VD0222SBL01

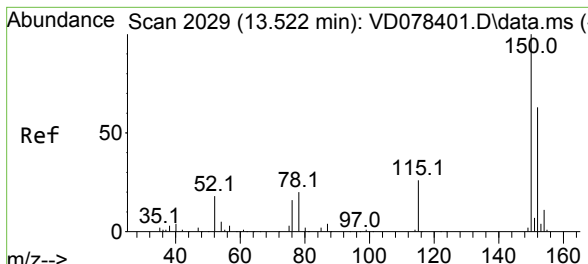
Tgt Ion: 95 Resp: 127078
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 85.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078511.D
Acq: 22 Feb 2024 12:18

Tgt Ion: 117 Resp: 312760
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 31.7 25.0 37.4

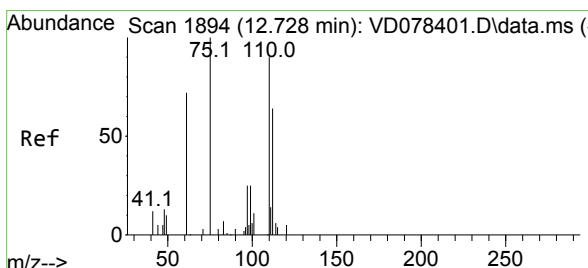
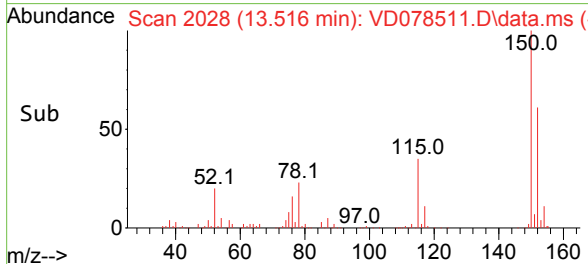
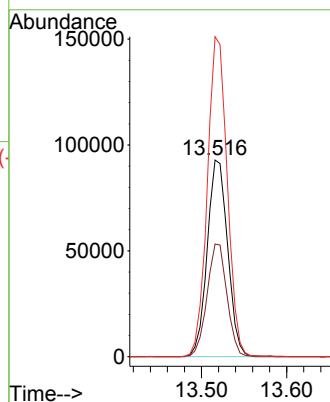
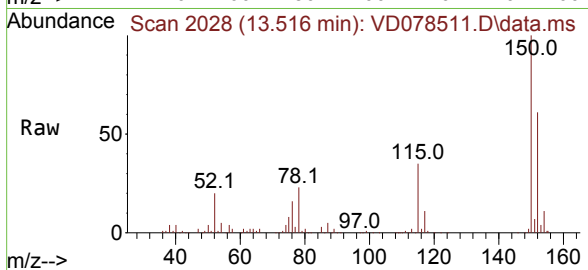




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD078511.D
 Acq: 22 Feb 2024 12:18

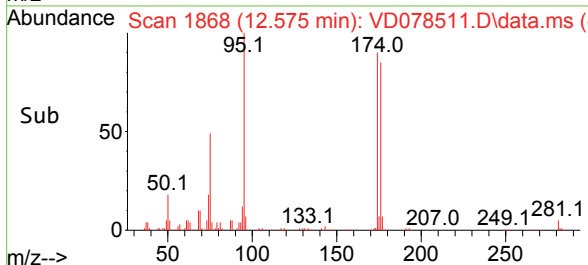
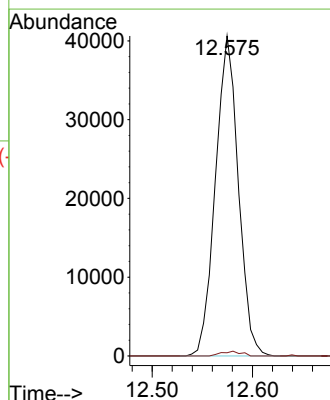
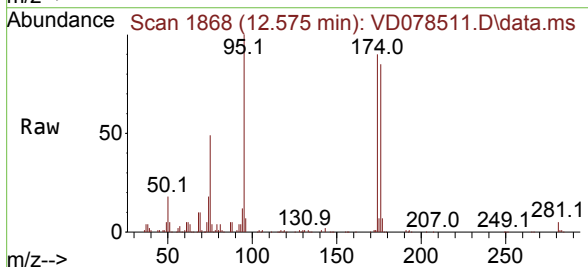
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBL01

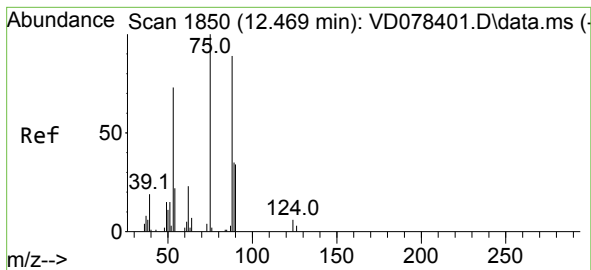
Tgt Ion:152 Resp: 154885
 Ion Ratio Lower Upper
 152 100
 115 55.8 27.1 81.3
 150 158.4 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 48.907 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078511.D
 Acq: 22 Feb 2024 12:18

Tgt Ion: 75 Resp: 64309
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.532 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078511.D
 Acq: 22 Feb 2024 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBL01

Tgt Ion:	75	Resp:	64309
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

