

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077240.D
 Acq On : 28 Sep 2023 20:08
 Operator : JC/SY
 Sample : 04672-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 29 02:22:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

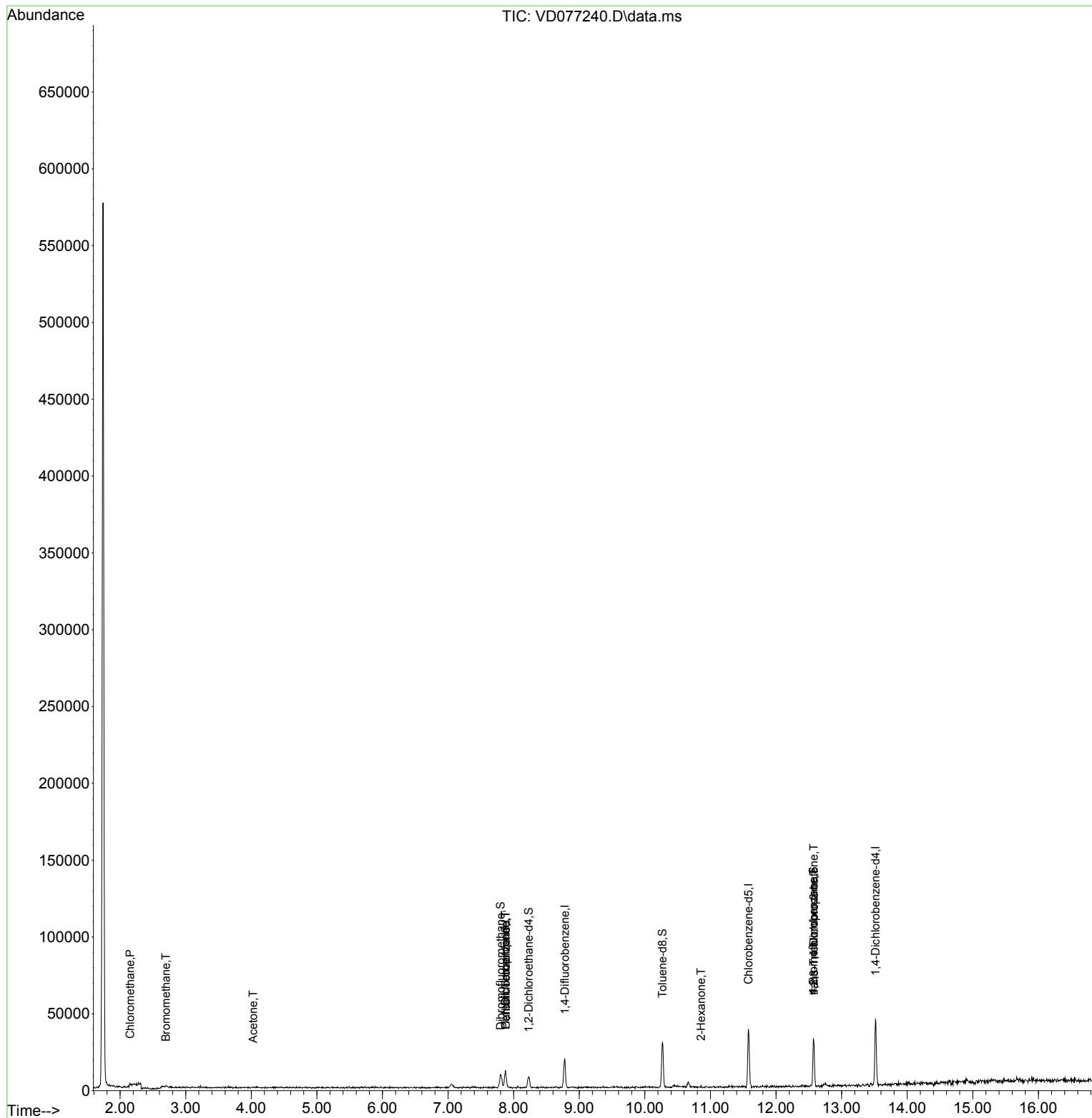
Internal Standards						
1) Pentafluorobenzene	7.881	168	8364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	17554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	23160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	5810	68.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.660%	
35) Dibromofluoromethane	7.798	113	6736	55.245	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.500%	
50) Toluene-d8	10.269	98	22722	52.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.720%	
62) 4-Bromofluorobenzene	12.569	95	10360	77.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 154.040%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	319	1.997	ug/l #	41
5) Bromomethane	2.699	94	638	5.125	ug/l #	75
16) Acetone	4.028	43	112	5.805	ug/l #	32
20) Methylene Chloride	4.799	84	140	Below Cal	#	61
36) 1,1-Dichloropropene	7.875	75	610	3.322	ug/l #	39
38) Carbon Tetrachloride	7.881	117	912	5.053	ug/l #	11
59) 2-Hexanone	10.857	43	76	1.561	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	5225	61.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	5225	115.549	ug/l #	18

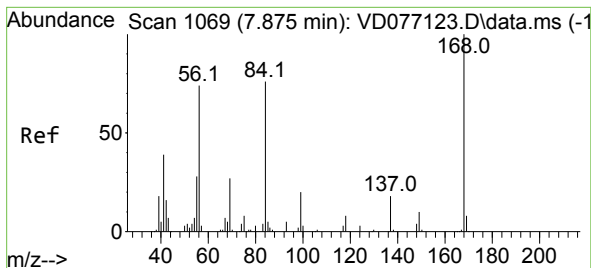
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077240.D

Acq: 28 Sep 2023 20:08

Instrument :

MSVOA_D

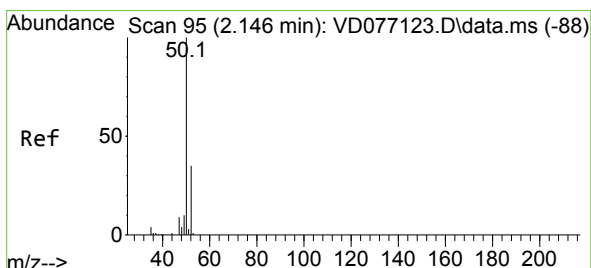
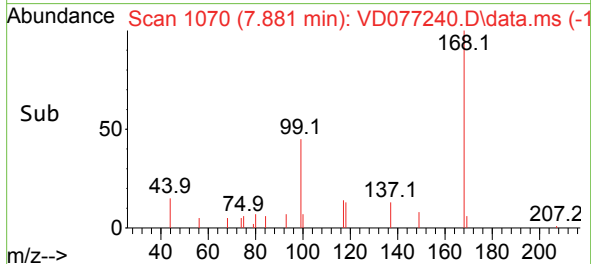
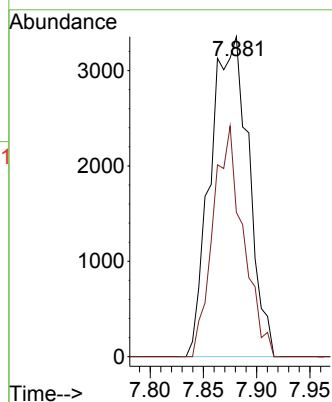
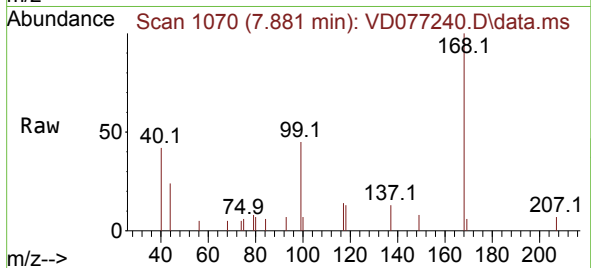
ClientSampleId :

Tgt Ion:168 Resp: 8364

Ion Ratio Lower Upper

168 100

99 45.1 36.7 55.1



#3

Chloromethane

Concen: 1.997 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.006 min

Lab File: VD077240.D

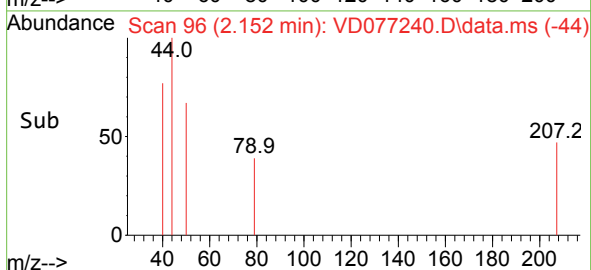
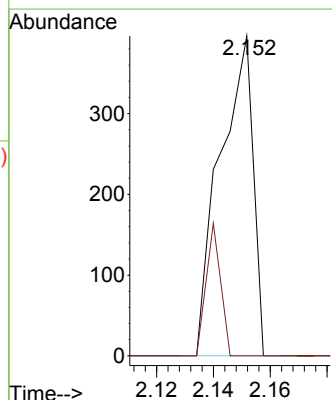
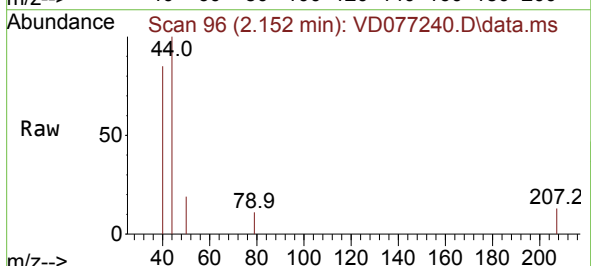
Acq: 28 Sep 2023 20:08

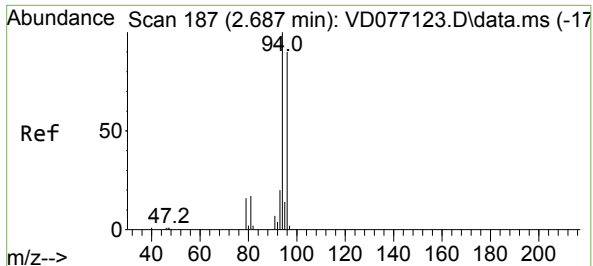
Tgt Ion: 50 Resp: 319

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#

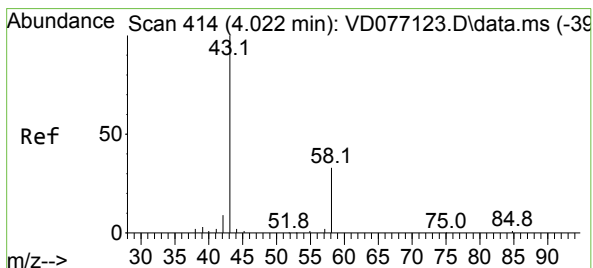
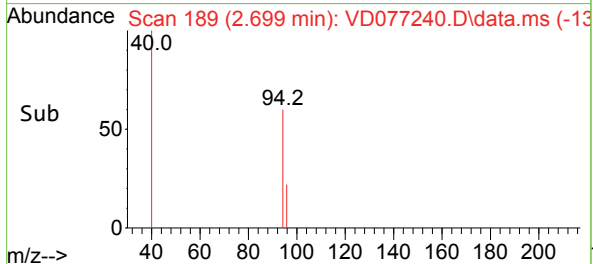
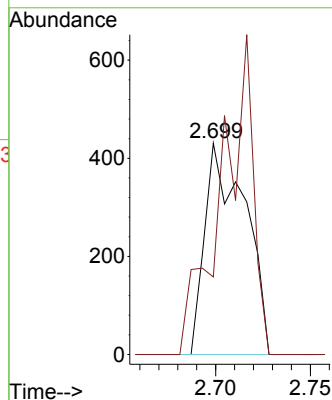
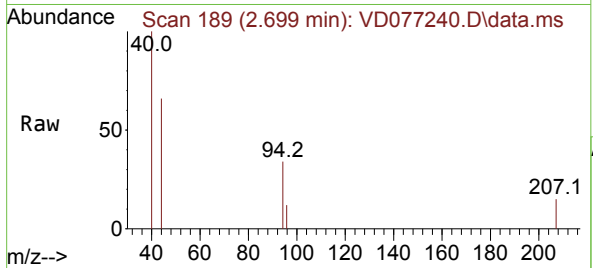




#5
Bromomethane
Concen: 5.125 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD077240.D
Acq: 28 Sep 2023 20:08

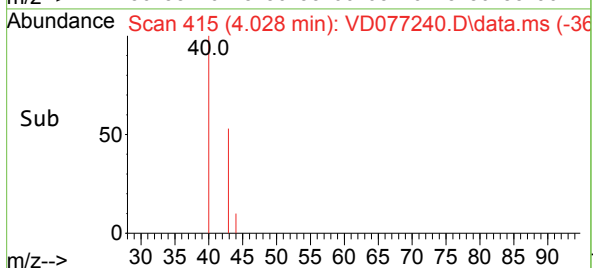
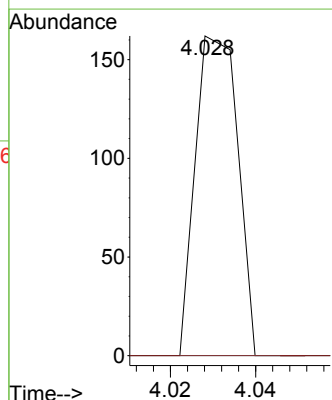
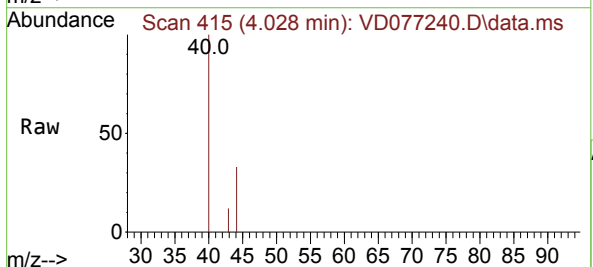
Instrument :
MSVOA_D
ClientSampleId :

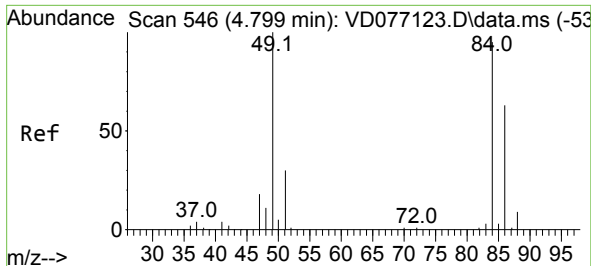
Tgt Ion: 94 Resp: 638
Ion Ratio Lower Upper
94 100
96 118.7 75.8 113.8#



#16
Acetone
Concen: 5.805 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077240.D
Acq: 28 Sep 2023 20:08

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

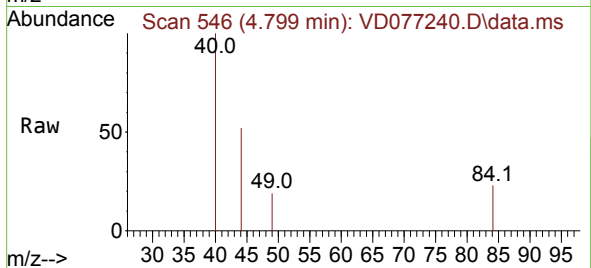
Lab File: VD077240.D

Acq: 28 Sep 2023 20:08

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 140

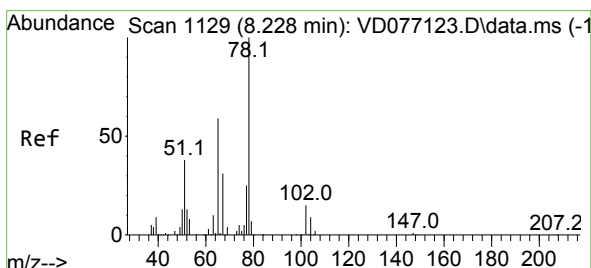
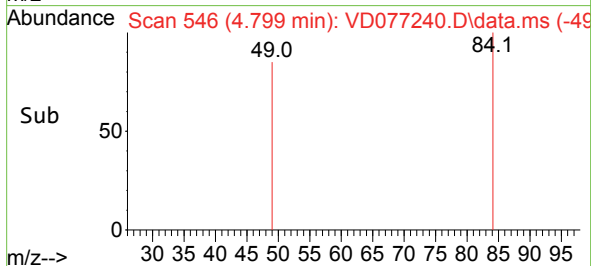
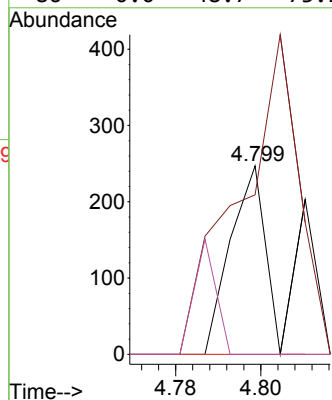
Ion Ratio Lower Upper

84 100

49 84.6 71.4 107.2

51 0.0 24.5 36.7#

86 0.0 48.7 73.1#



#33

1,2-Dichloroethane-d4

Concen: 68.830 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077240.D

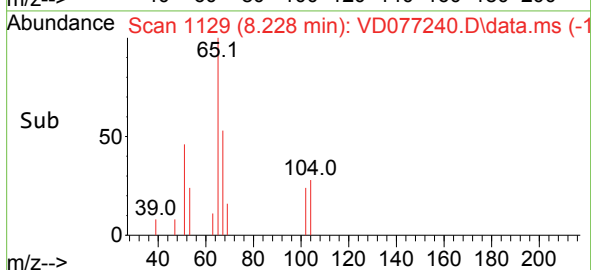
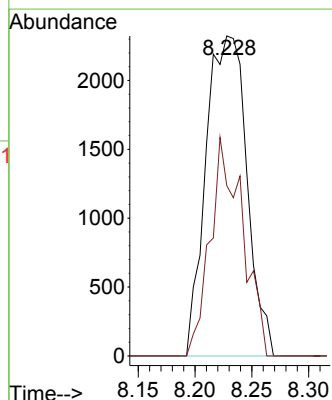
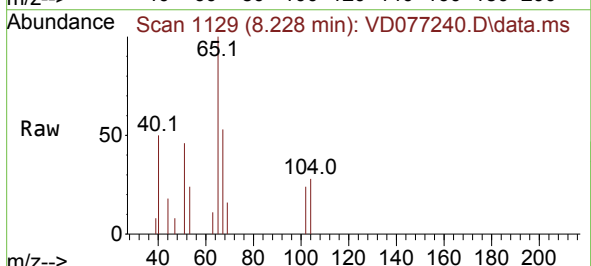
Acq: 28 Sep 2023 20:08

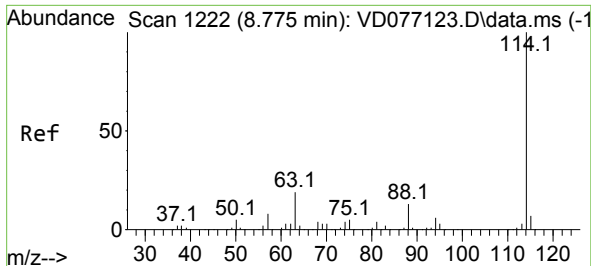
Tgt Ion: 65 Resp: 5810

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. 0.006 min

Lab File: VD077240.D

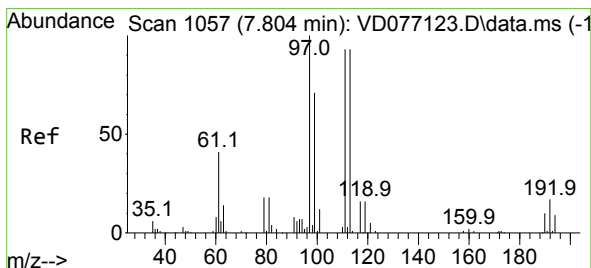
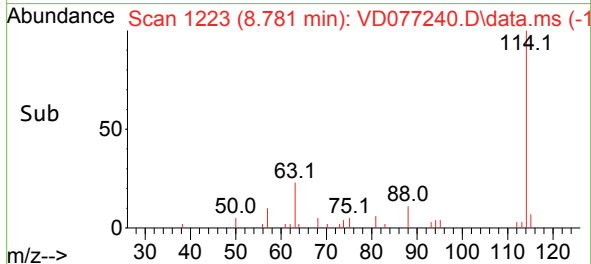
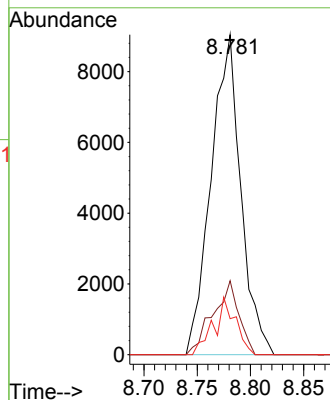
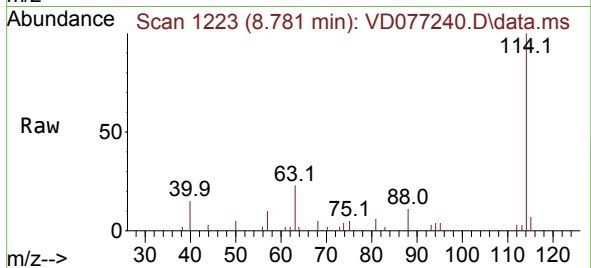
Acq: 28 Sep 2023 20:08

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	17554
Ion Ratio	Lower	Upper
114	100	
63	23.1	0.0 33.4
88	11.2	0.0 26.2



#35

Dibromofluoromethane

Concen: 55.245 ug/l

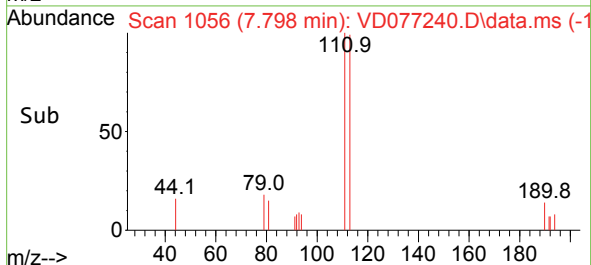
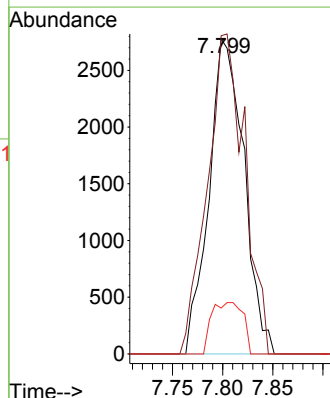
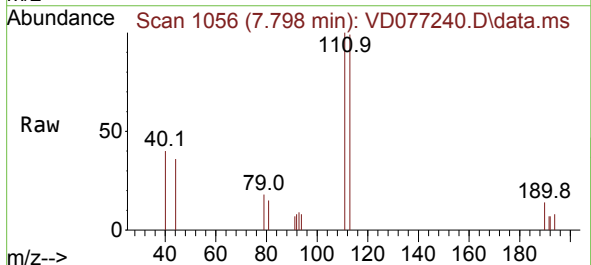
RT: 7.798 min Scan# 1056

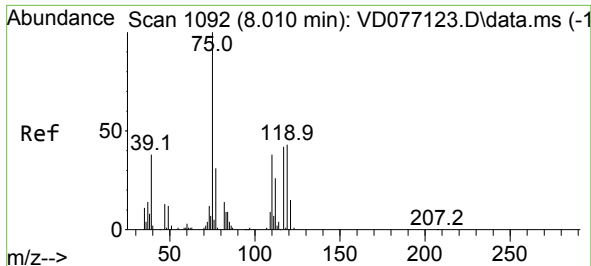
Delta R.T. -0.006 min

Lab File: VD077240.D

Acq: 28 Sep 2023 20:08

Tgt Ion:113	Resp:	6736
Ion Ratio	Lower	Upper
113	100	
111	108.4	84.7 127.1
192	14.7	16.8 25.2#





#36

1,1-Dichloropropene

Concen: 3.322 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

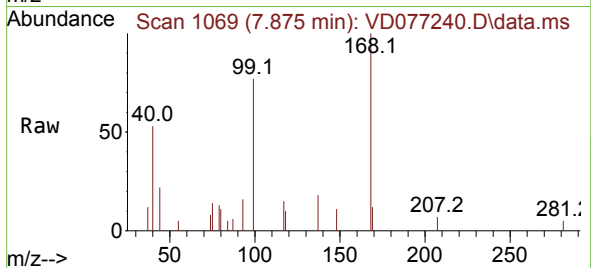
Lab File: VD077240.D

Acq: 28 Sep 2023 20:08

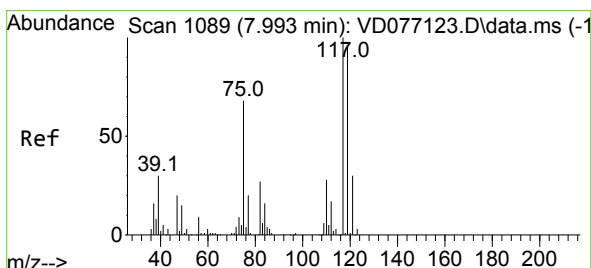
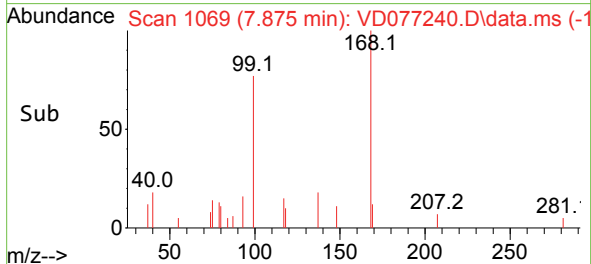
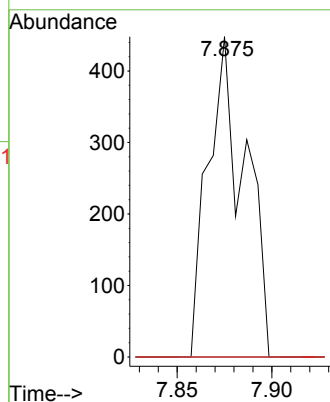
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 610
Ion Ratio	Lower Upper
75	100
110	0.0 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

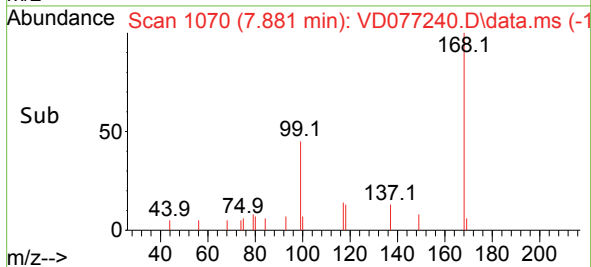
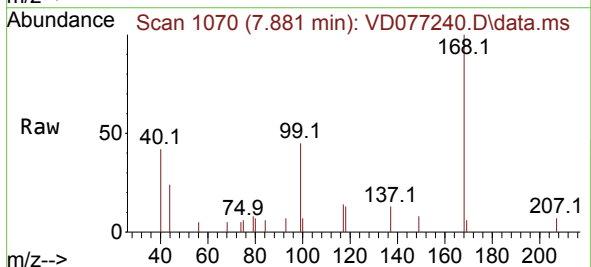
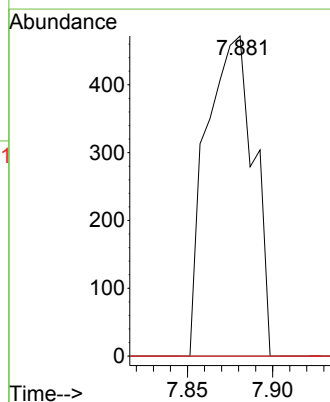
RT: 7.881 min Scan# 1070

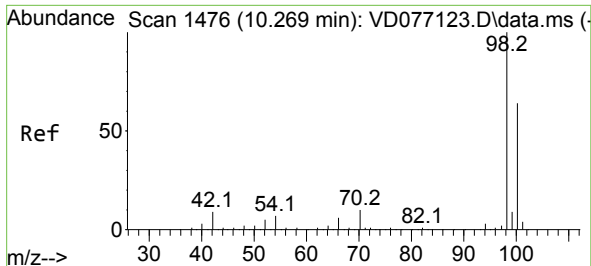
Delta R.T. -0.112 min

Lab File: VD077240.D

Acq: 28 Sep 2023 20:08

Tgt Ion: 117	Resp: 912
Ion Ratio	Lower Upper
117	100
119	0.0 78.0 117.0#
121	0.0 24.2 36.2#

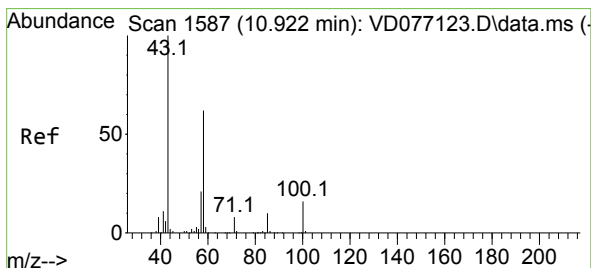
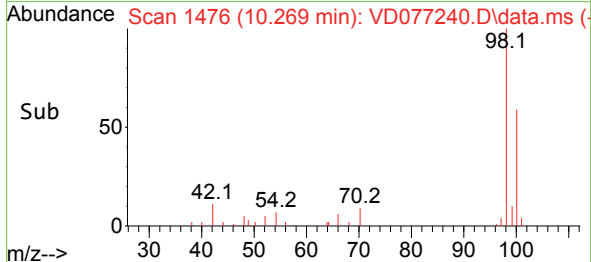
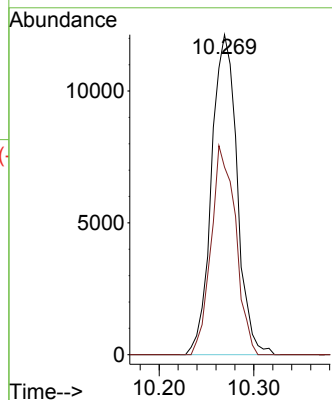
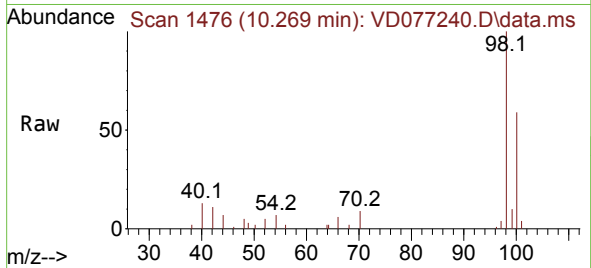




#50
Toluene-d8
Concen: 52.355 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077240.D
Acq: 28 Sep 2023 20:08

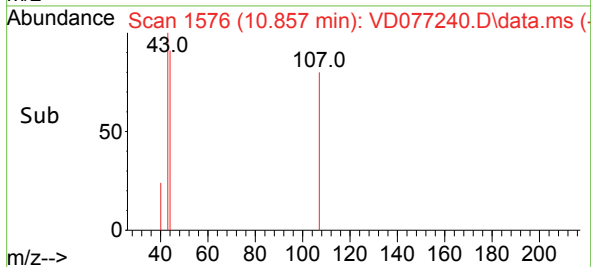
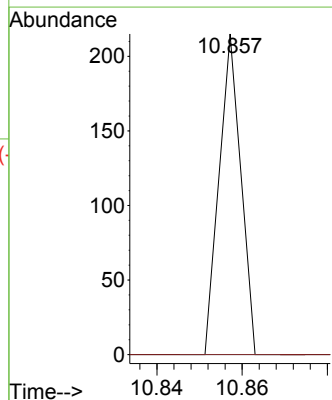
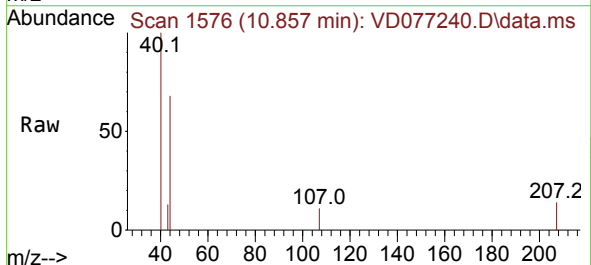
Instrument :
MSVOA_D
ClientSampleId :

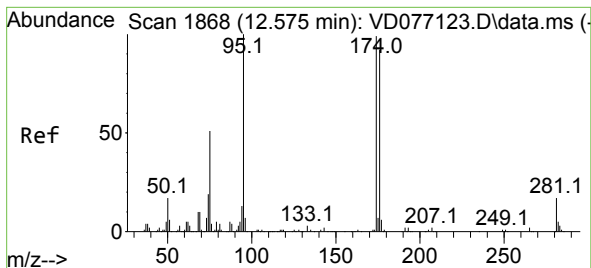
Tgt Ion: 98 Resp: 22722
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5



#59
2-Hexanone
Concen: 1.561 ug/l
RT: 10.857 min Scan# 1576
Delta R.T. -0.065 min
Lab File: VD077240.D
Acq: 28 Sep 2023 20:08

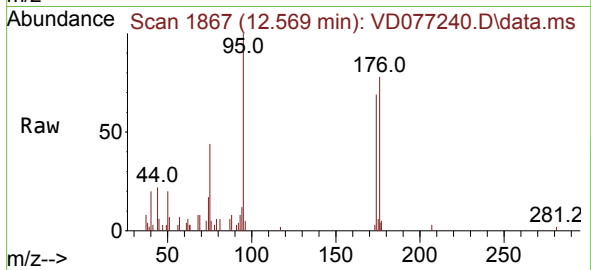
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



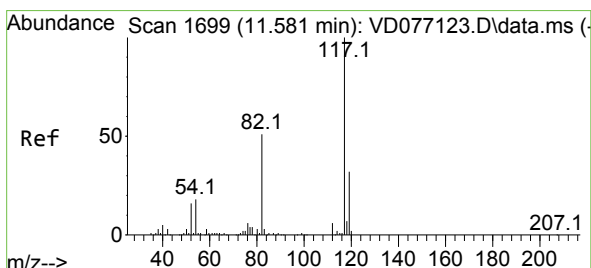
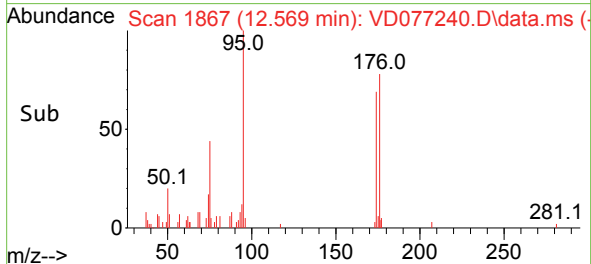
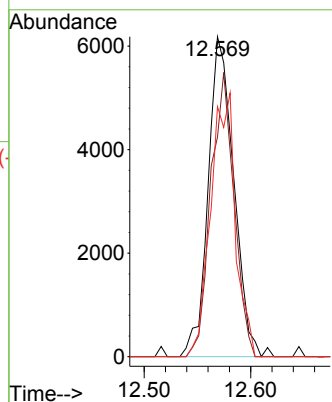


#62
4-Bromofluorobenzene
Concen: 77.018 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077240.D
Acq: 28 Sep 2023 20:08

Instrument :
MSVOA_D
ClientSampleId :

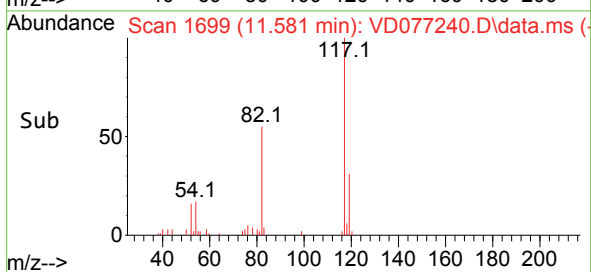
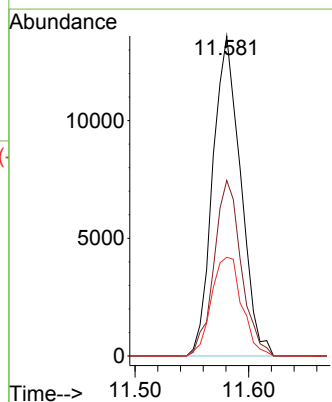
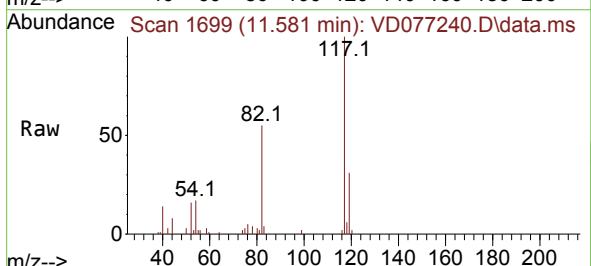


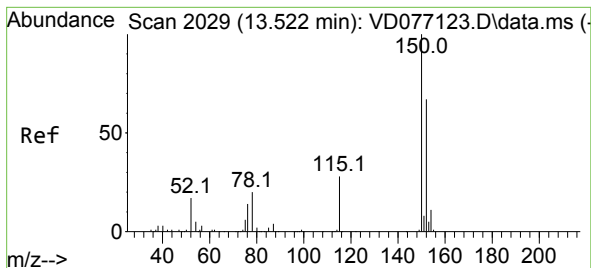
Tgt Ion: 95 Resp: 10360
Ion Ratio Lower Upper
95 100
174 80.3 0.0 201.8
176 79.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077240.D
Acq: 28 Sep 2023 20:08

Tgt Ion: 117 Resp: 23160
Ion Ratio Lower Upper
117 100
82 54.8 38.3 57.5
119 30.8 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: VD077240.D

Acq: 28 Sep 2023 20:08

Instrument :

MSVOA_D

ClientSampleId :

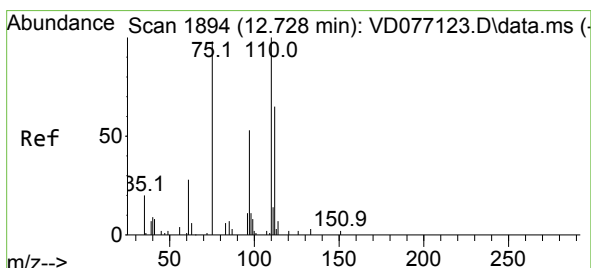
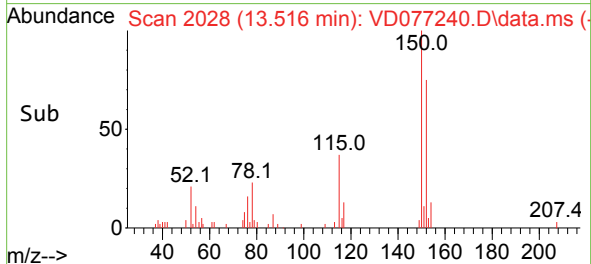
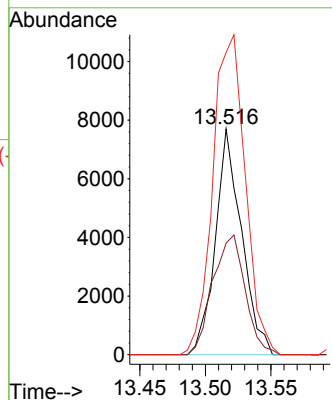
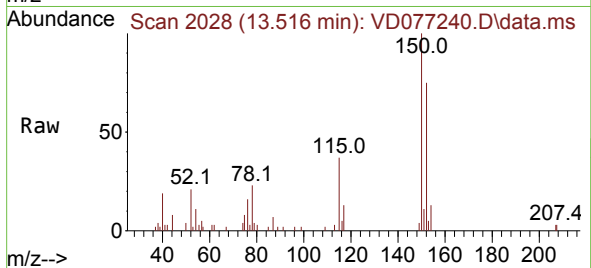
Tgt Ion:152 Resp: 10730

Ion Ratio Lower Upper

152 100

115 65.4 27.1 81.3

150 175.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 61.047 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077240.D

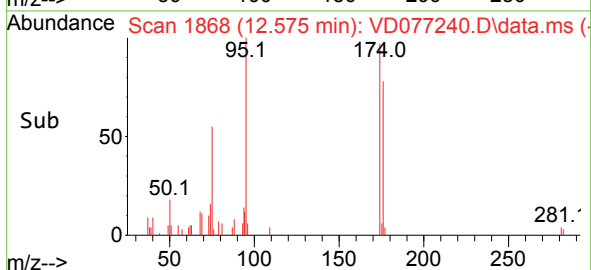
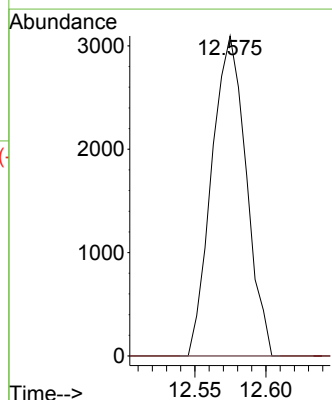
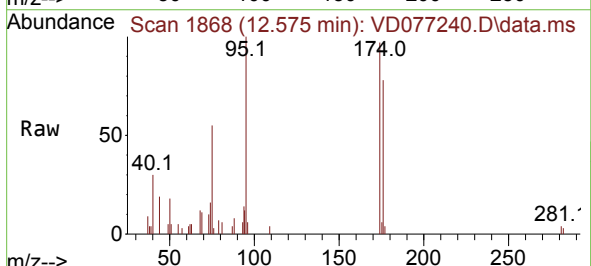
Acq: 28 Sep 2023 20:08

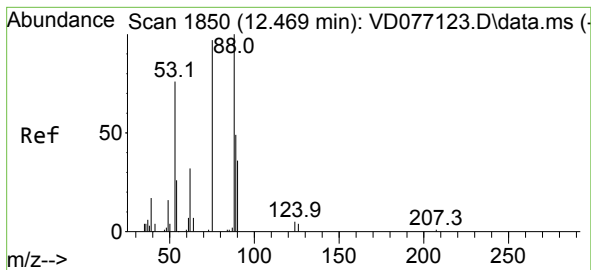
Tgt Ion: 75 Resp: 5225

Ion Ratio Lower Upper

75 100

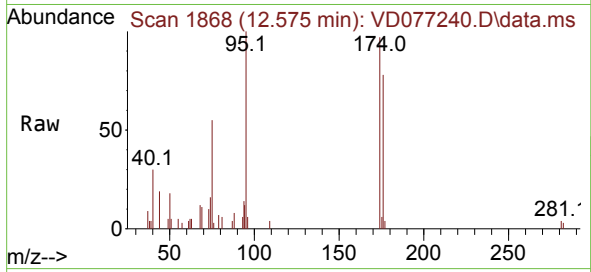
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.549 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077240.D
 Acq: 28 Sep 2023 20:08

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	5225
Ion	Ratio	Lower	Upper
75	100		
53	1.1	63.0	94.4#
89	0.0	37.9	56.9#

