

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070124\
 Data File : VD079299.D
 Acq On : 01 Jul 2024 16:40
 Operator : RP/MD
 Sample : P3134-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 05:59:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	110870	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	236863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	196850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	61620	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72330	68.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.400%
35) Dibromofluoromethane	7.805	113	81406	52.359	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.720%
50) Toluene-d8	10.269	98	219636	39.268	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.540%
62) 4-Bromofluorobenzene	12.569	95	66311	36.971	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.940%

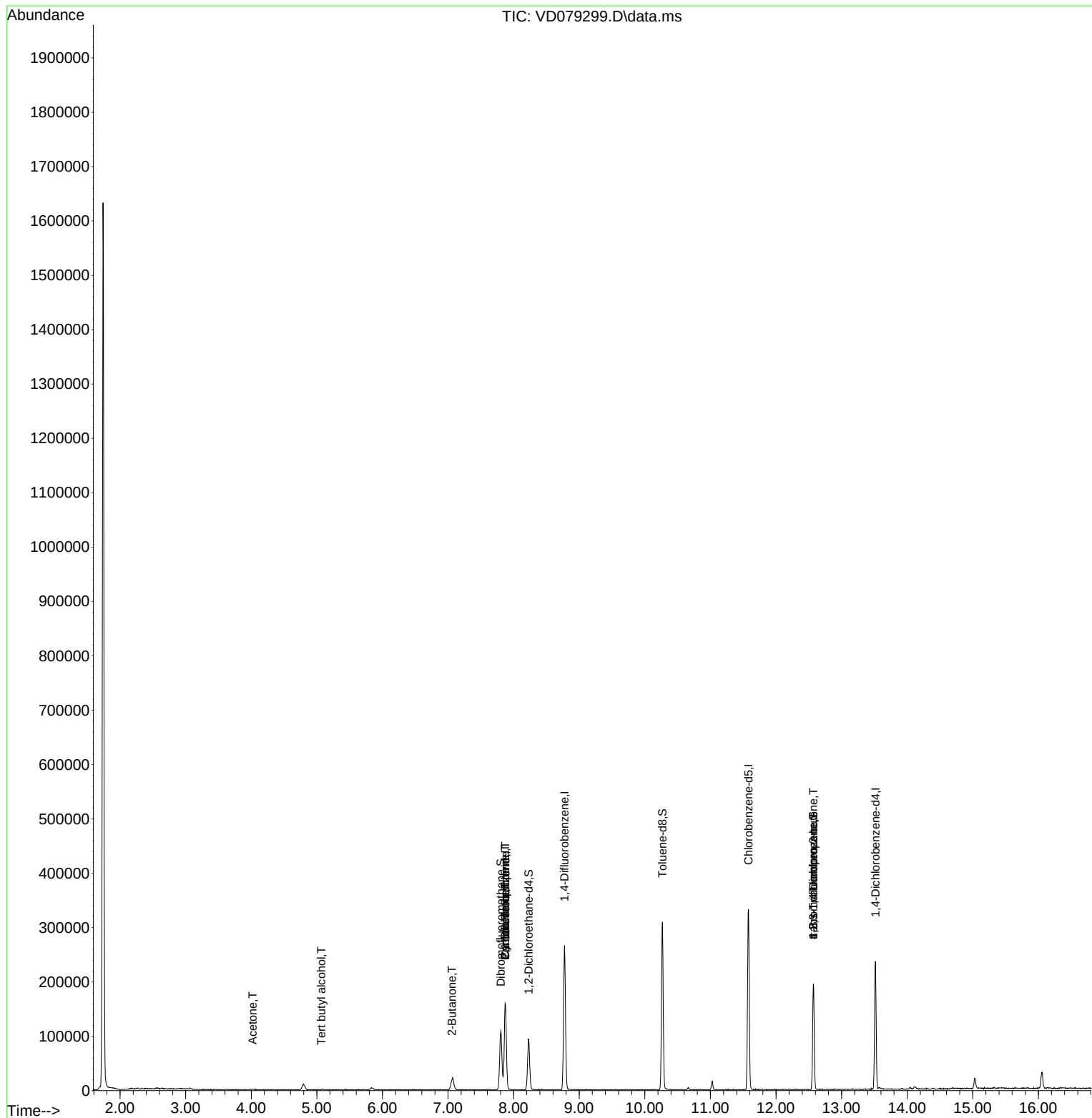
Target Compounds					Qvalue
5) Bromomethane	2.693	94	361	Below Cal	# 1
11) Tert butyl alcohol	5.069	59	119	1.604	ug/l # 86
16) Acetone	4.023	43	761	2.892	ug/l 100
20) Methylene Chloride	4.793	84	8478	Below Cal	86
25) 2-Butanone	7.058	43	499	1.361	ug/l # 61
31) Cyclohexane	7.869	56	3031	1.286	ug/l # 21
36) 1,1-Dichloropropene	7.869	75	11650	4.823	ug/l # 45
38) Carbon Tetrachloride	7.875	117	12662	5.162	ug/l # 15
76) 1,2,3-Trichloropropane	12.569	75	33108	53.689	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.569	75	33108	99.626	ug/l # 19

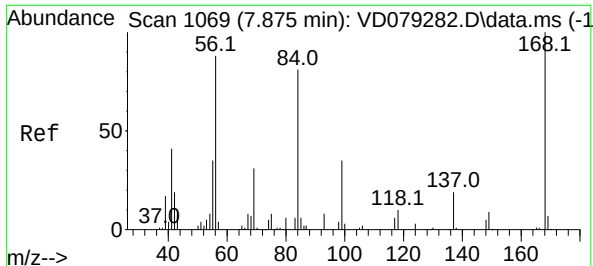
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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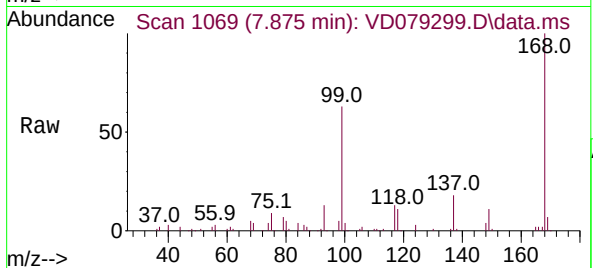
Quant Time: Jul 02 05:59:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 29 06:28:31 2024
Response via : Initial Calibration



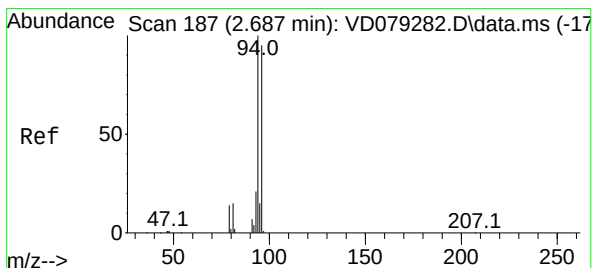
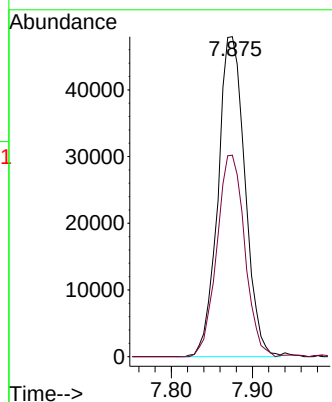
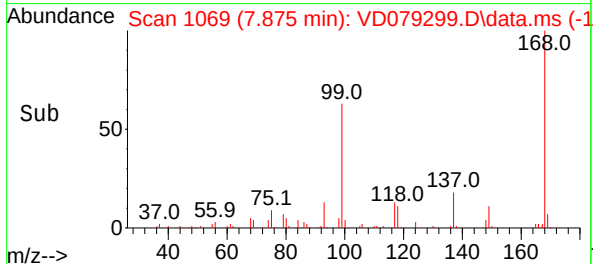


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

Instrument :
MSVOA_D
ClientSampleId :

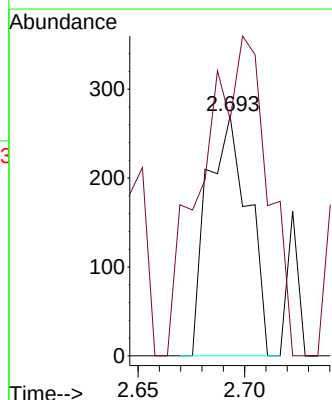
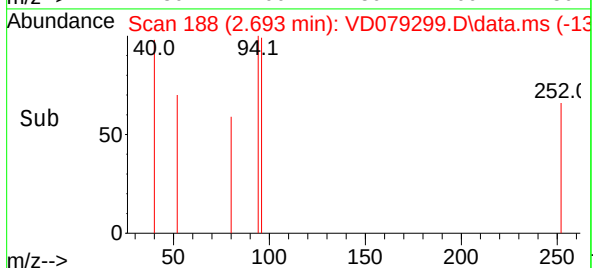
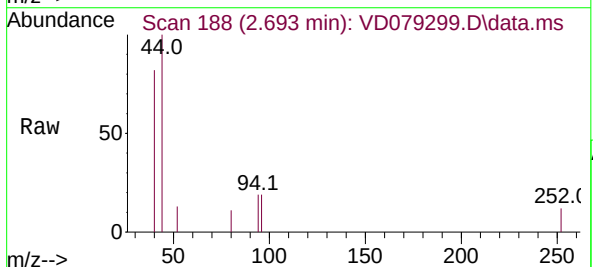


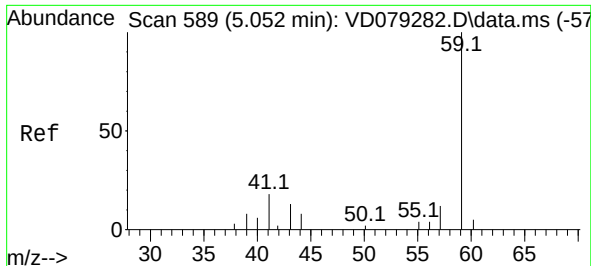
Tgt Ion:168 Resp: 110870
Ion Ratio Lower Upper
168 100
99 62.9 41.1 61.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.035 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 211.4 76.9 115.3#





#11

Tert butyl alcohol

Concen: 1.604 ug/l

RT: 5.069 min Scan# 59

Delta R.T. 0.012 min

Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_D

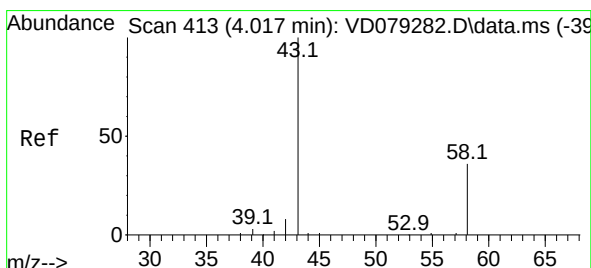
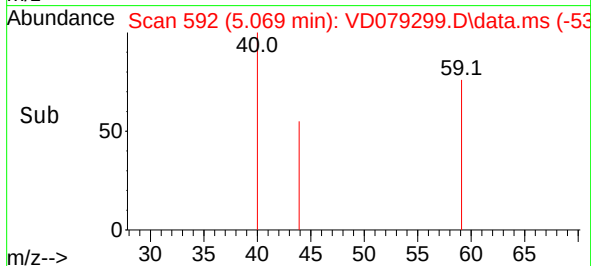
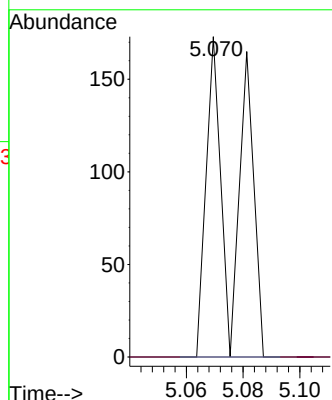
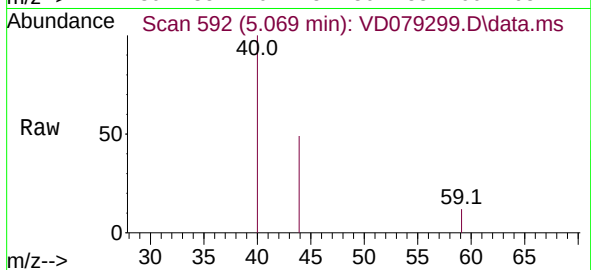
ClientSampleId :

Tgt Ion: 59 Resp: 119

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#



#16

Acetone

Concen: 2.892 ug/l

RT: 4.023 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD079299.D

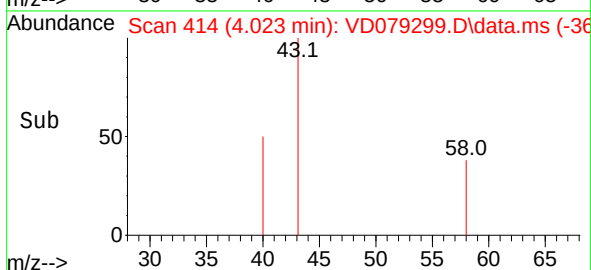
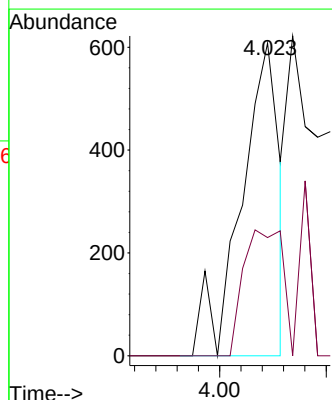
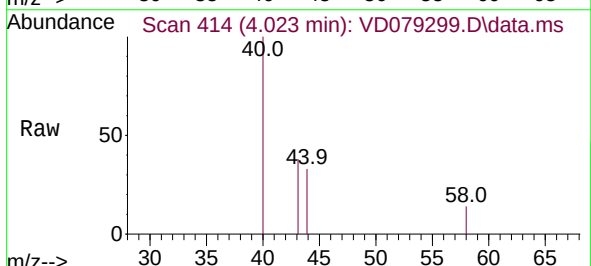
Acq: 01 Jul 2024 16:40

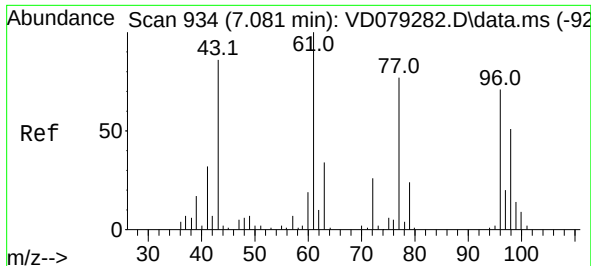
Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

58 37.8 30.4 45.6

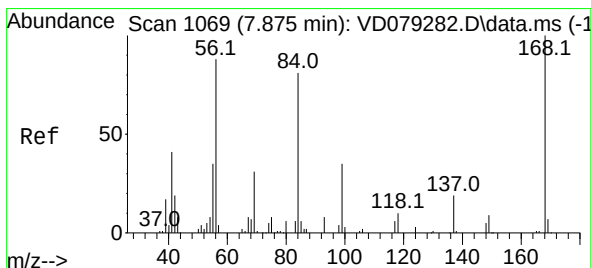
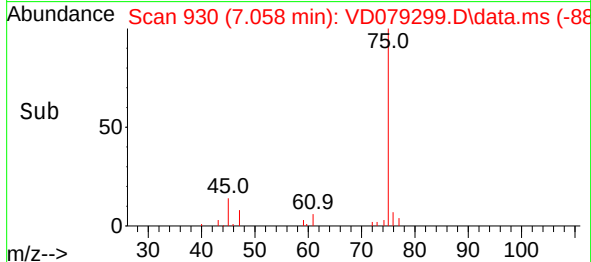
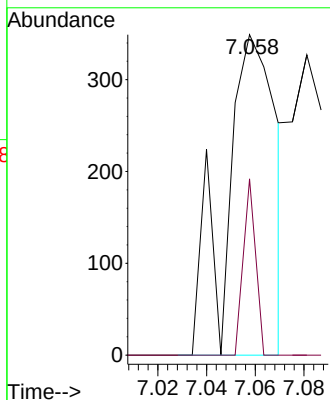
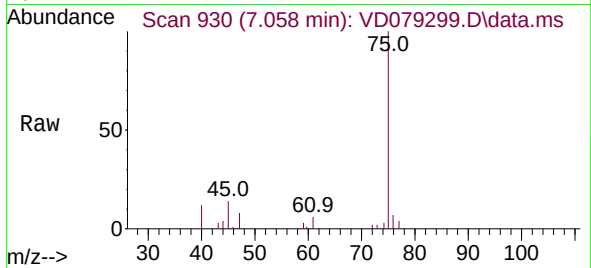




#25
2-Butanone
Concen: 1.361 ug/l
RT: 7.058 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

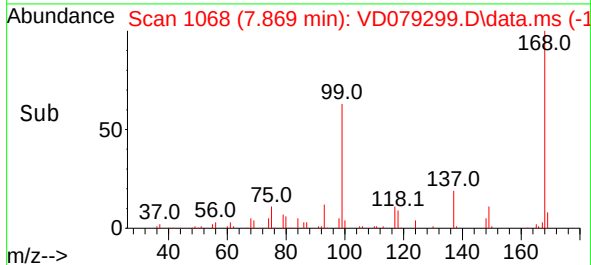
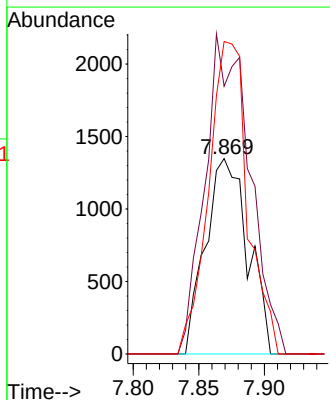
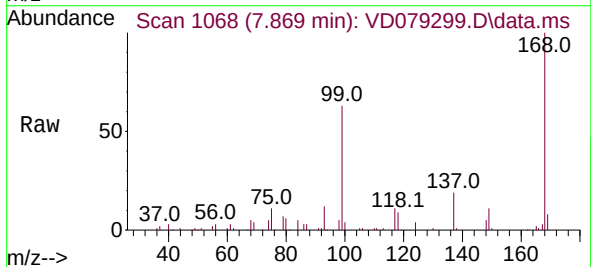
Instrument :
MSVOA_D
ClientSampleId :

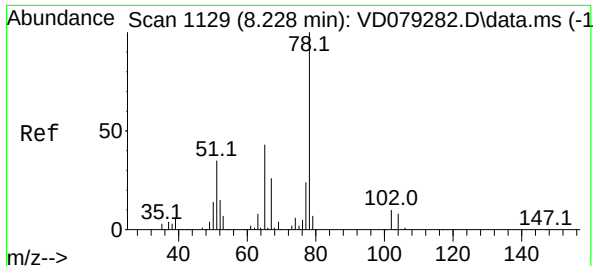
Tgt Ion: 43 Resp: 499
Ion Ratio Lower Upper
43 100
72 55.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

Tgt Ion: 56 Resp: 3031
Ion Ratio Lower Upper
56 100
69 137.0 28.0 42.0#
84 159.9 87.4 131.0#

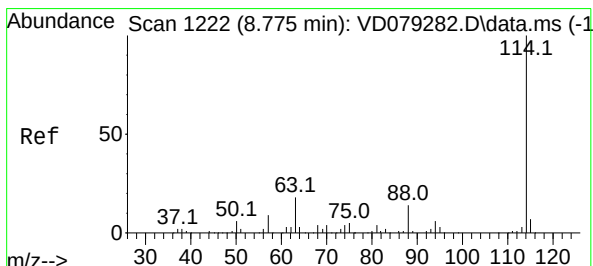
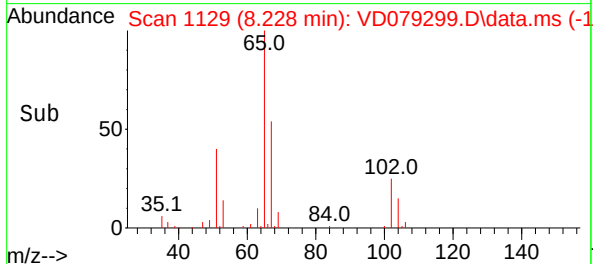
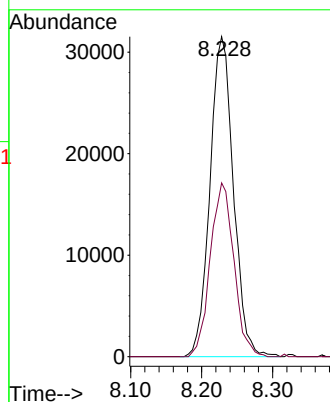
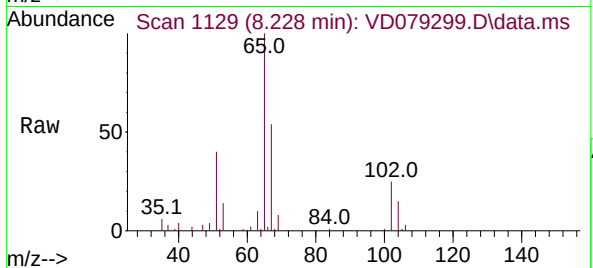




#33
1,2-Dichloroethane-d4
Concen: 68.202 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

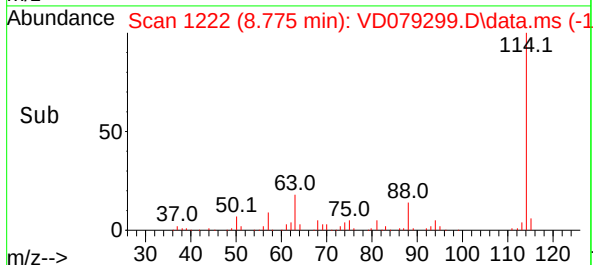
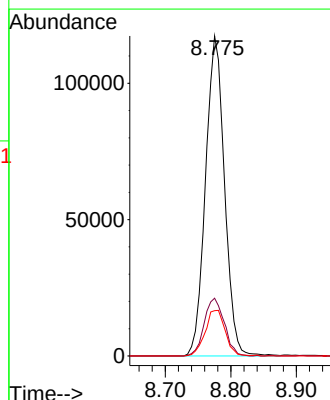
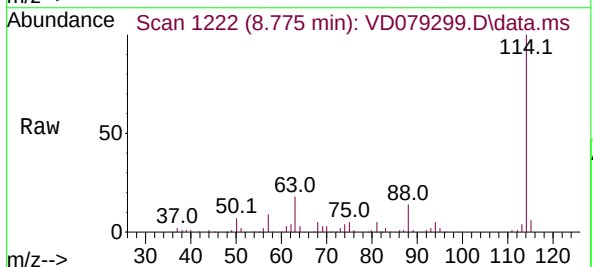
Instrument :
MSVOA_D
ClientSampleId :

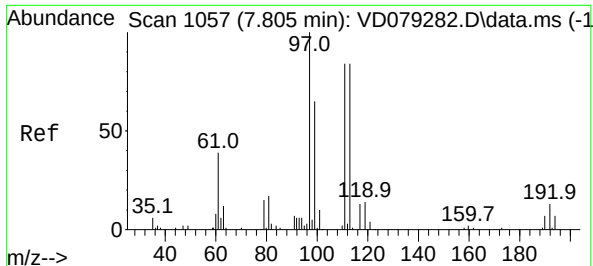
Tgt Ion: 65 Resp: 72330
Ion Ratio Lower Upper
65 100
67 54.7 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

Tgt Ion:114 Resp: 236863
Ion Ratio Lower Upper
114 100
63 18.1 0.0 34.0
88 14.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 52.359 ug/l

RT: 7.805 min Scan# 1067

Delta R.T. 0.000 min

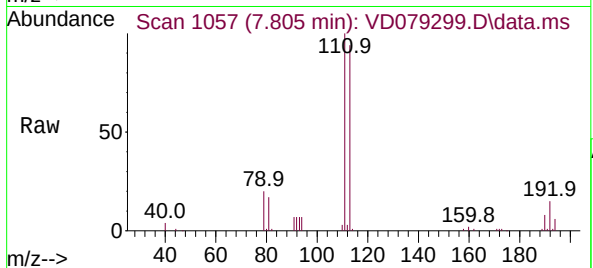
Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_D

ClientSampleId :



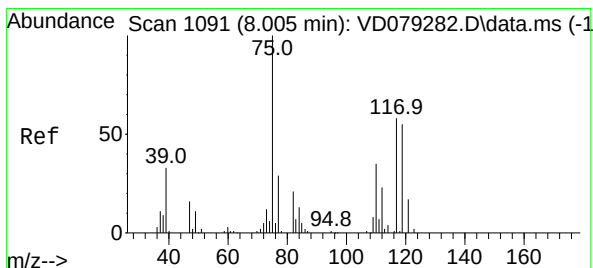
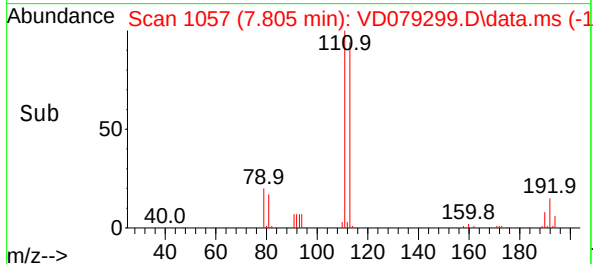
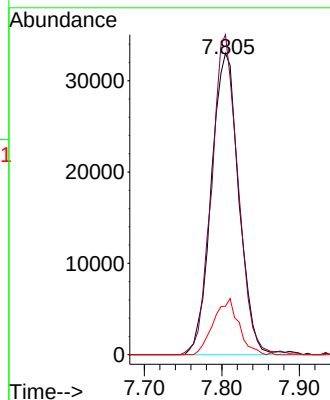
Tgt Ion:113 Resp: 81406

Ion Ratio Lower Upper

113 100

111 102.3 84.0 126.0

192 17.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

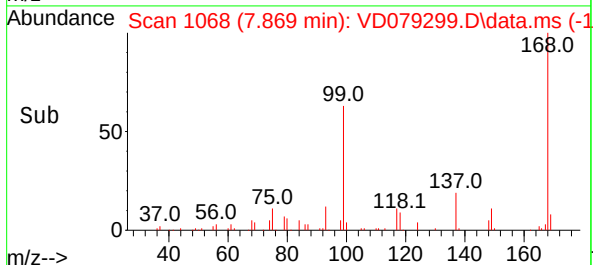
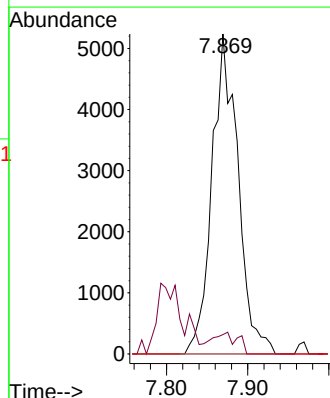
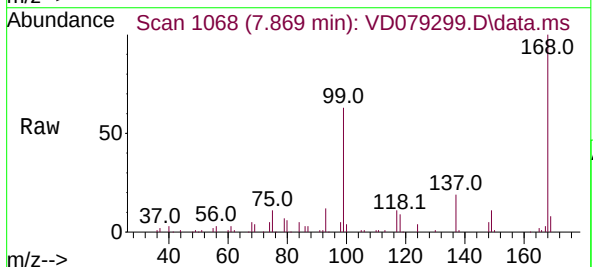
Tgt Ion: 75 Resp: 11650

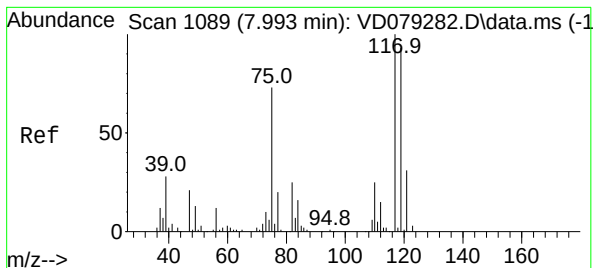
Ion Ratio Lower Upper

75 100

110 6.5 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.162 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

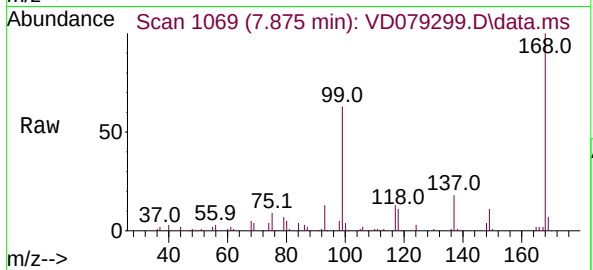
Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_D

ClientSampleId :



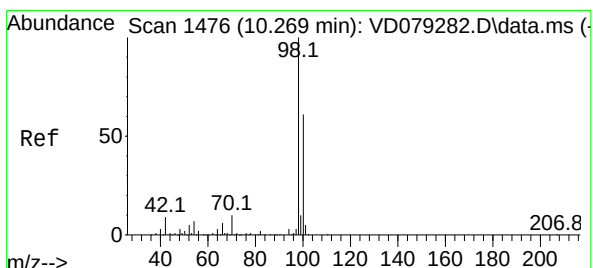
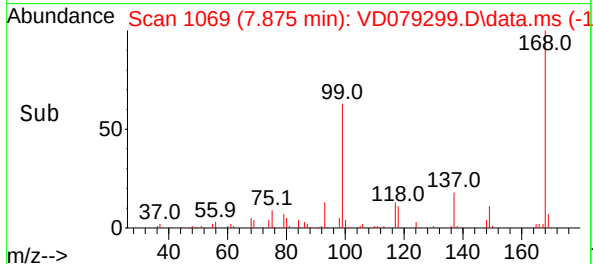
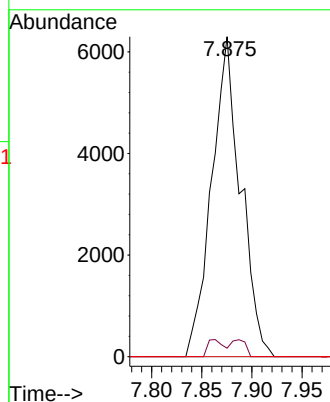
Tgt Ion:117 Resp: 12662

Ion Ratio Lower Upper

117 100

119 2.6 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 39.268 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD079299.D

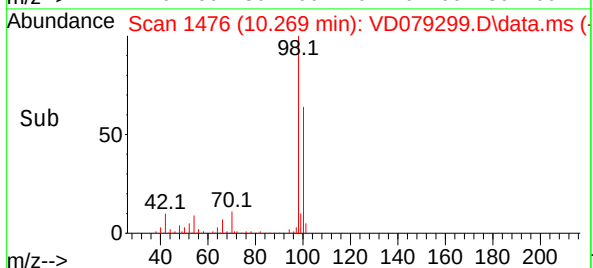
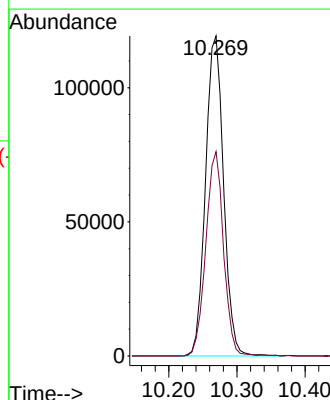
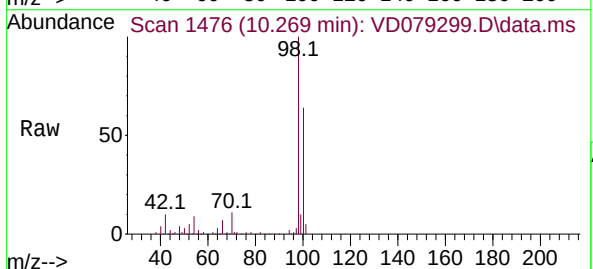
Acq: 01 Jul 2024 16:40

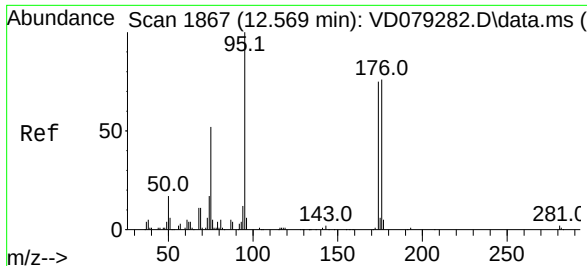
Tgt Ion: 98 Resp: 219636

Ion Ratio Lower Upper

98 100

100 62.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 36.971 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_D

ClientSampleId :

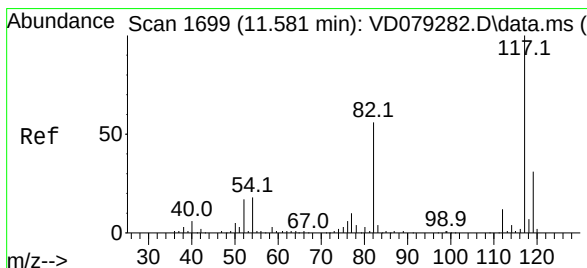
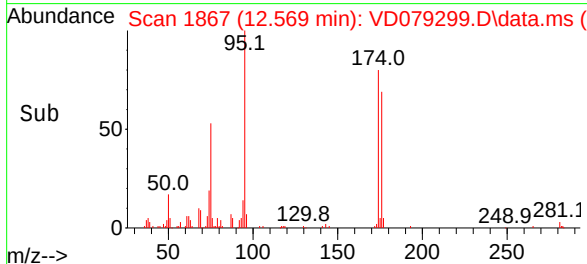
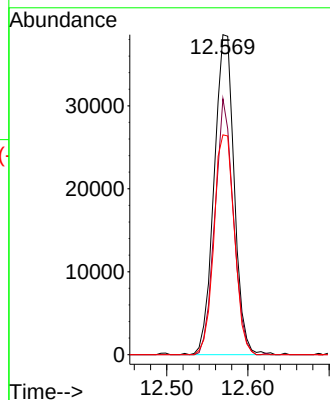
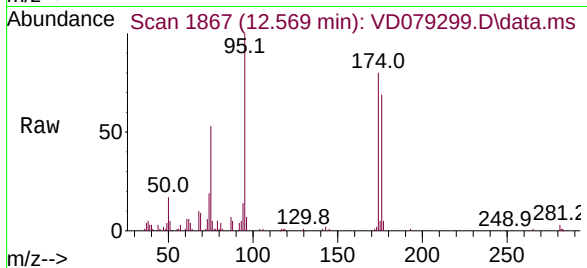
Tgt Ion: 95 Resp: 66311

Ion Ratio Lower Upper

95 100

174 73.5 0.0 195.4

176 69.8 0.0 192.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

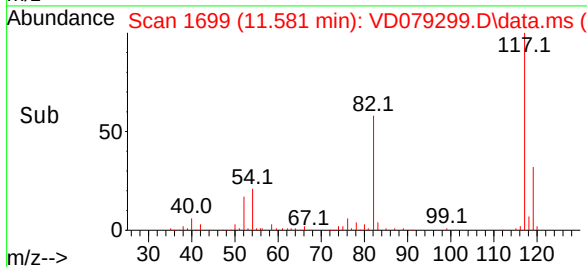
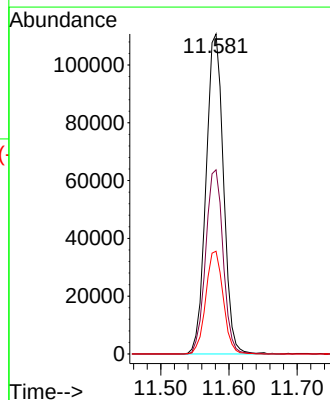
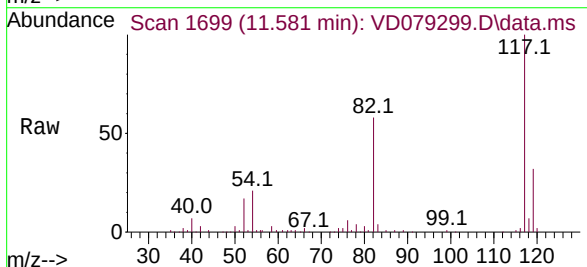
Tgt Ion: 117 Resp: 196850

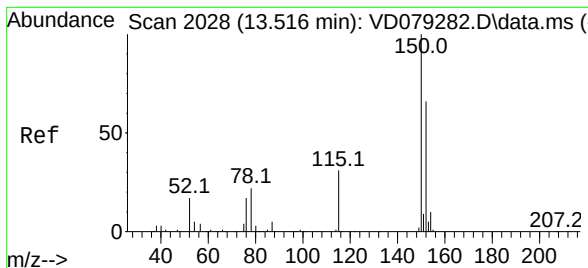
Ion Ratio Lower Upper

117 100

82 57.6 39.8 59.6

119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD079299.D

Acq: 01 Jul 2024 16:40

Instrument :

MSVOA_D

ClientSampleId :

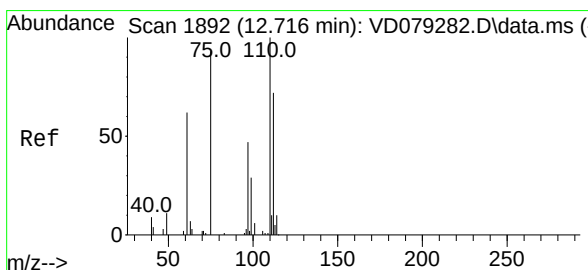
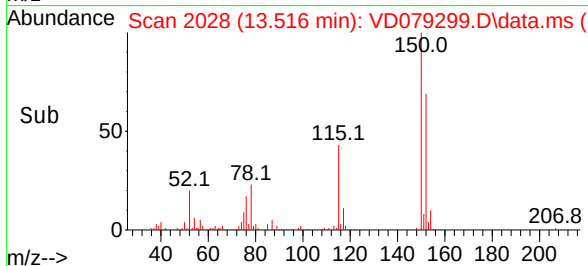
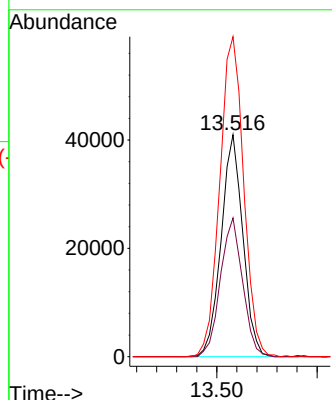
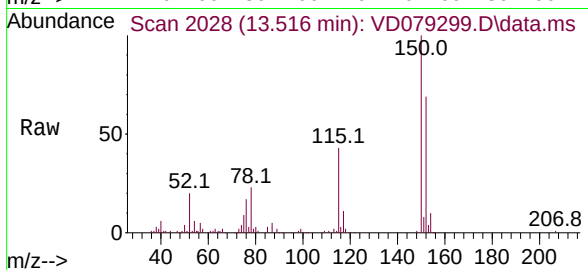
Tgt Ion:152 Resp: 61620

Ion Ratio Lower Upper

152 100

115 63.7 26.5 79.5

150 158.4 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 53.689 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079299.D

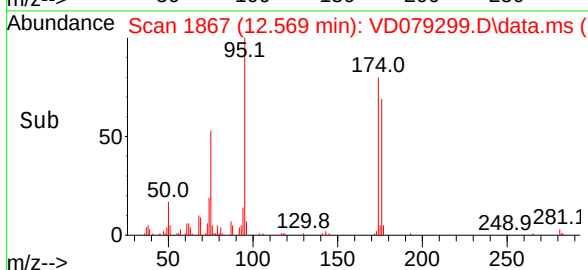
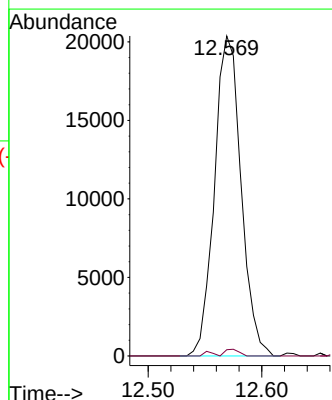
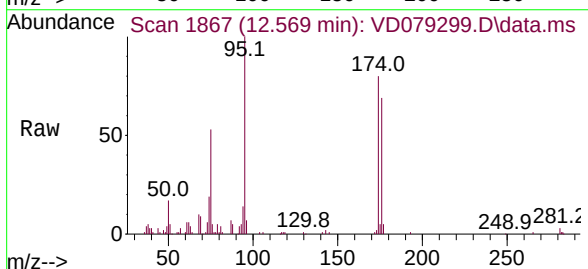
Acq: 01 Jul 2024 16:40

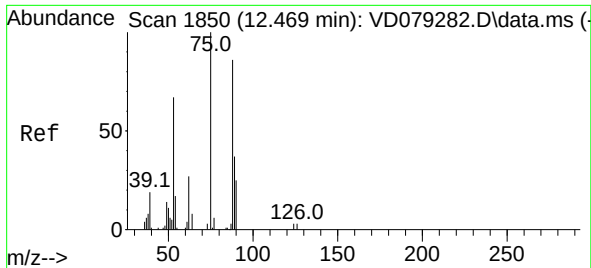
Tgt Ion: 75 Resp: 33108

Ion Ratio Lower Upper

75 100

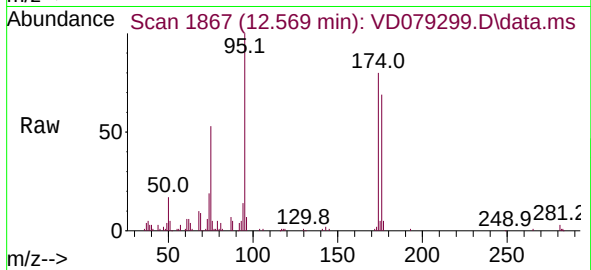
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.626 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079299.D
Acq: 01 Jul 2024 16:40

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 33108
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

