

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076779.D
 Acq On : 18 Jul 2023 15:45
 Operator : KP/SY
 Sample : 03639-11
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4

Quant Time: Jul 19 06:44:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

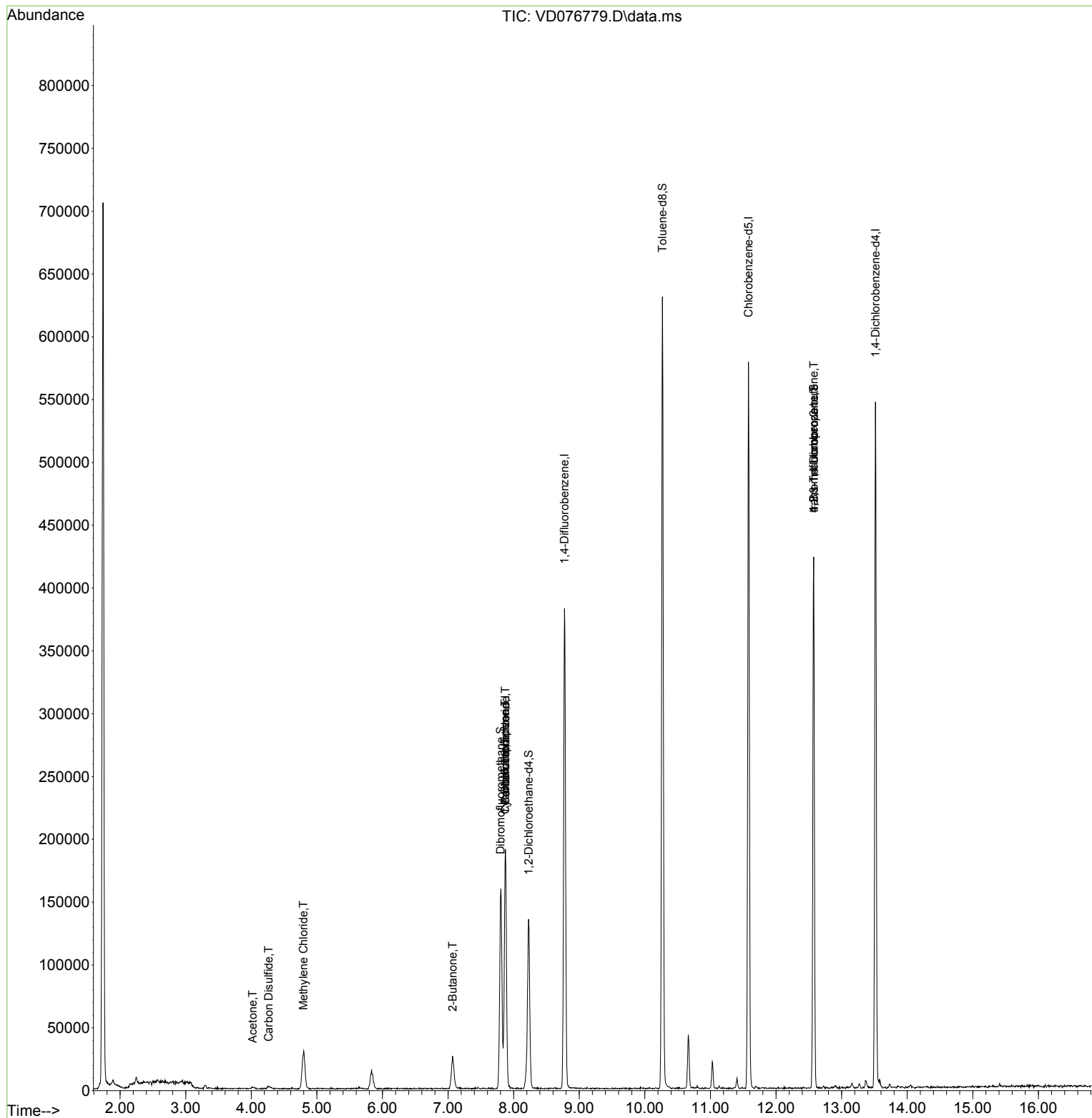
Internal Standards						
1) Pentafluorobenzene	7.875	168	145910	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	353861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	339029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	144718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100192	68.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.880%	
35) Dibromofluoromethane	7.799	113	117496	52.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.680%	
50) Toluene-d8	10.269	98	441893	55.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.100%	
62) 4-Bromofluorobenzene	12.575	95	128123	49.787	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.580%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	2216	6.385	ug/l	92
17) Carbon Disulfide	4.263	76	4010	1.191	ug/l #	74
20) Methylene Chloride	4.793	84	24845	2.169	ug/l	93
25) 2-Butanone	7.069	43	1228	2.644	ug/l #	37
31) Cyclohexane	7.869	56	3274	1.531	ug/l #	20
36) 1,1-Dichloropropene	7.869	75	12302	4.234	ug/l #	48
38) Carbon Tetrachloride	7.875	117	14977	5.383	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	69442	50.457	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	69442	107.386	ug/l #	17

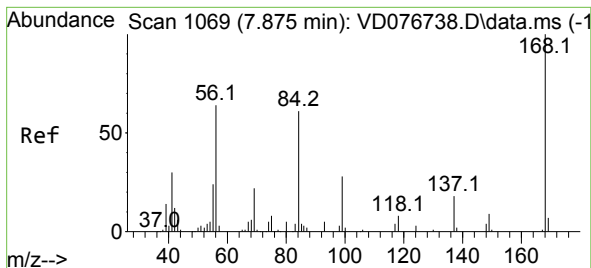
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

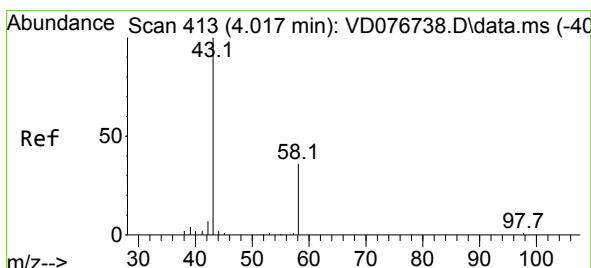
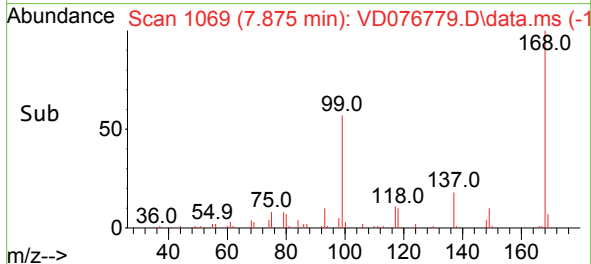
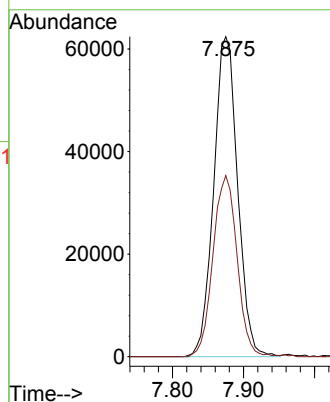
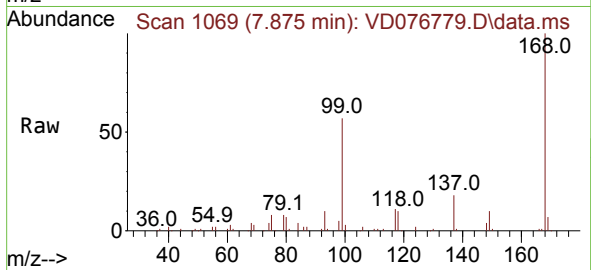




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

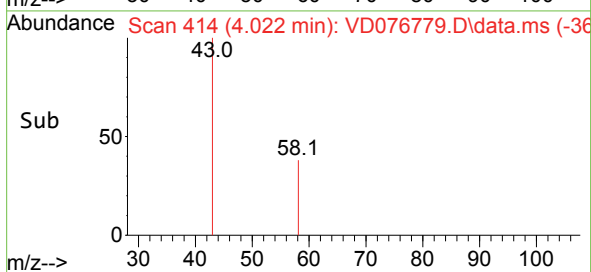
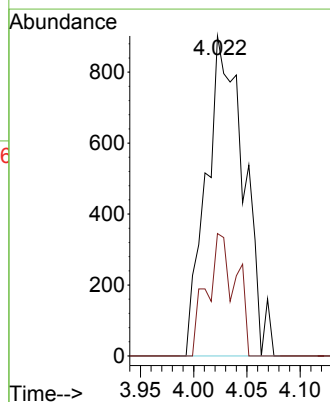
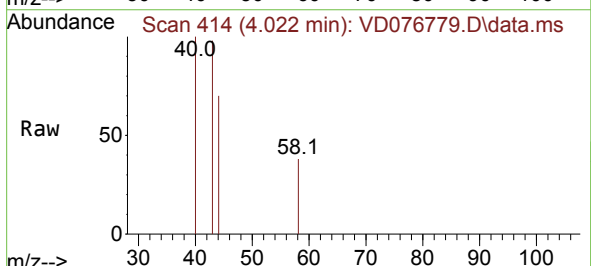
Instrument :
MSVOA_D
ClientSampleId :
TP4

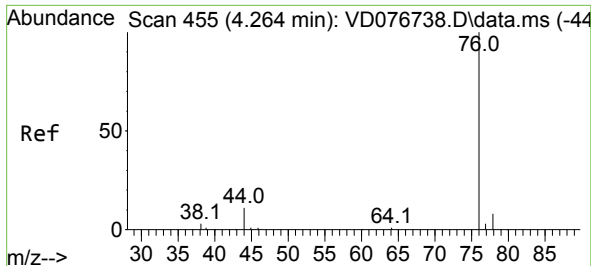
Tgt Ion:168 Resp: 145910
Ion Ratio Lower Upper
168 100
99 56.6 36.7 55.1#



#16
Acetone
Concen: 6.385 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
58 38.2 34.7 52.1

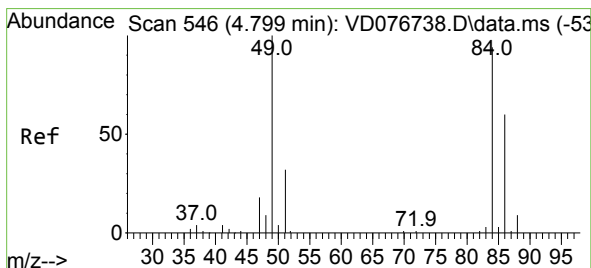
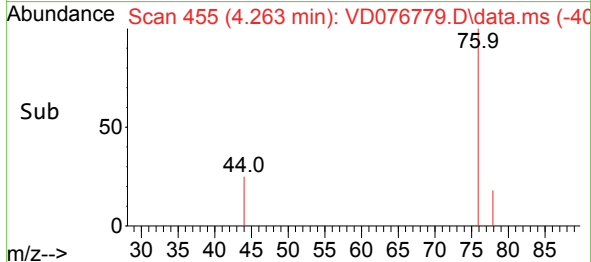
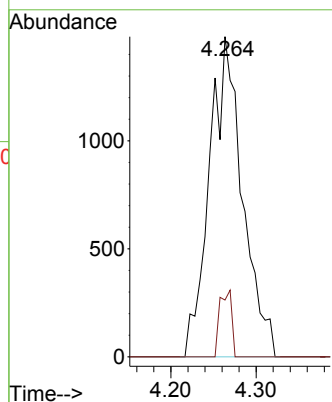
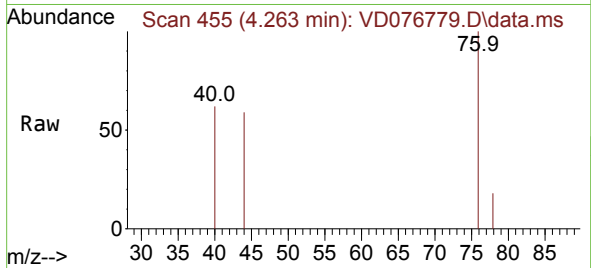




#17
Carbon Disulfide
Concen: 1.191 ug/l
RT: 4.263 min Scan# 411
Delta R.T. -0.001 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

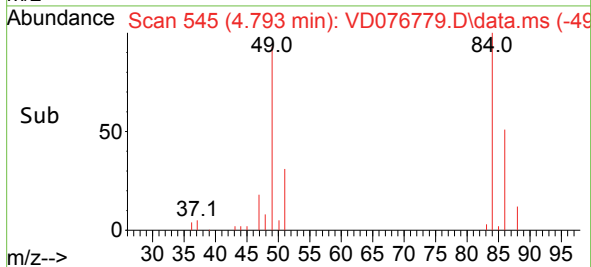
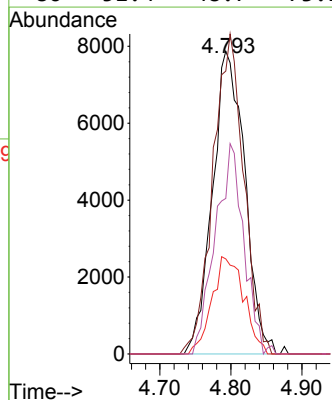
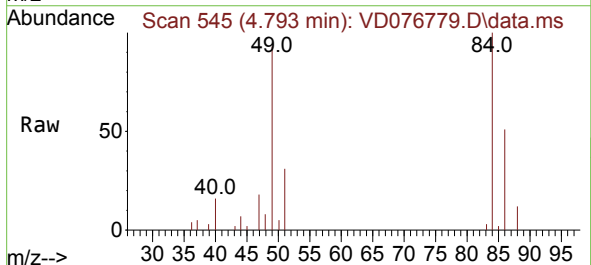
Instrument :
MSVOA_D
ClientSampleId :
TP4

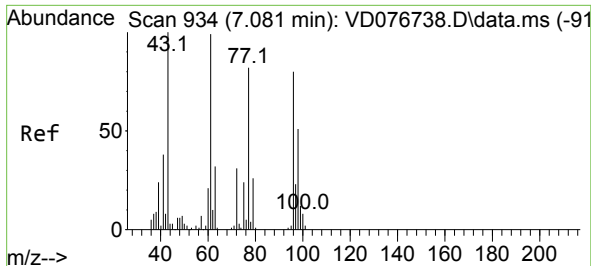
Tgt Ion: 76 Resp: 4010
Ion Ratio Lower Upper
76 100
78 17.7 6.8 10.2#



#20
Methylene Chloride
Concen: 2.169 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

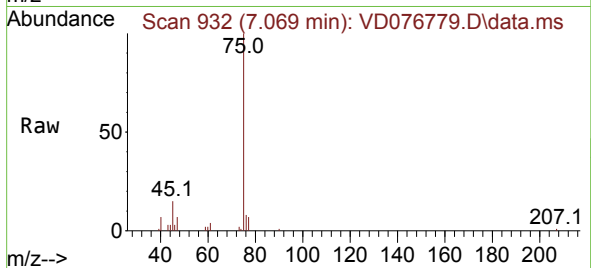
Tgt Ion: 84 Resp: 24845
Ion Ratio Lower Upper
84 100
49 93.4 71.4 107.2
51 31.4 24.5 36.7
86 51.4 48.7 73.1



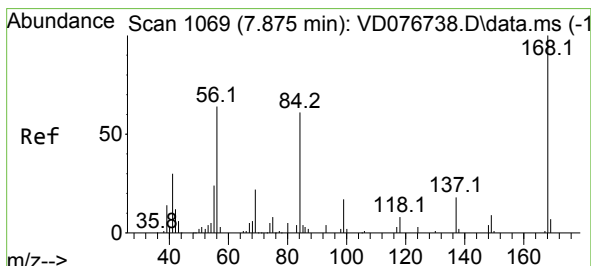
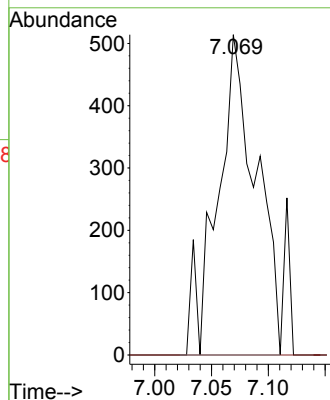
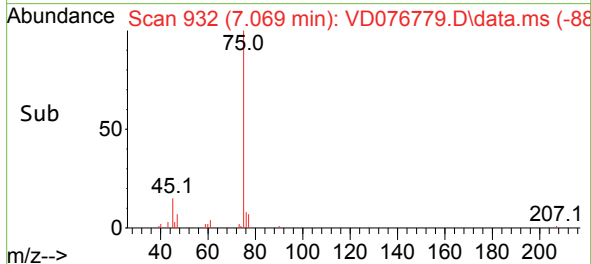


#25
2-Butanone
Concen: 2.644 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

Instrument :
MSVOA_D
ClientSampleId :
TP4

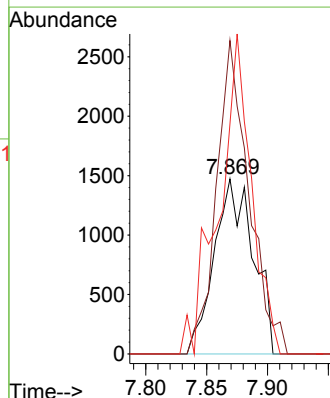
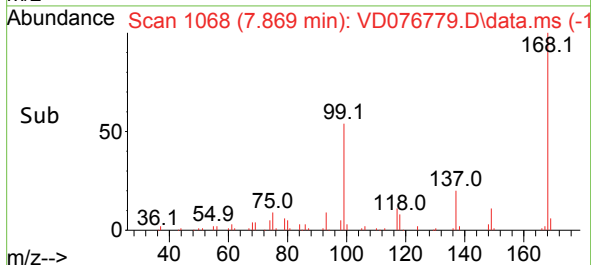
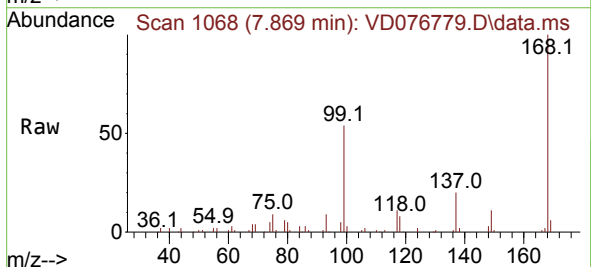


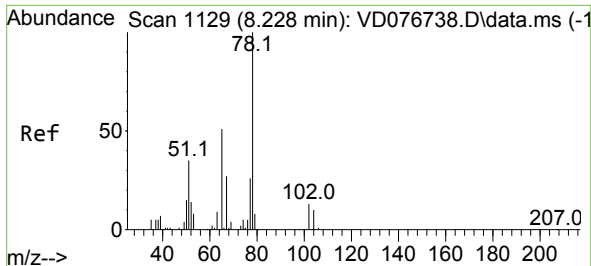
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

Tgt Ion: 56 Resp: 3274
Ion Ratio Lower Upper
56 100
69 179.0 28.6 43.0#
84 131.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 68.941 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076779.D

Acq: 18 Jul 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

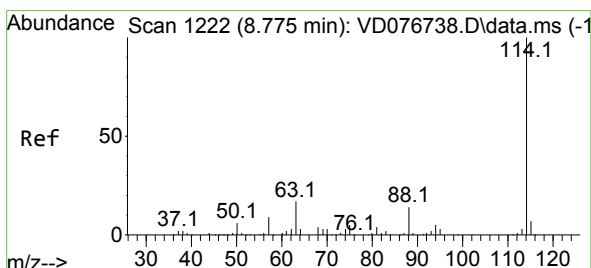
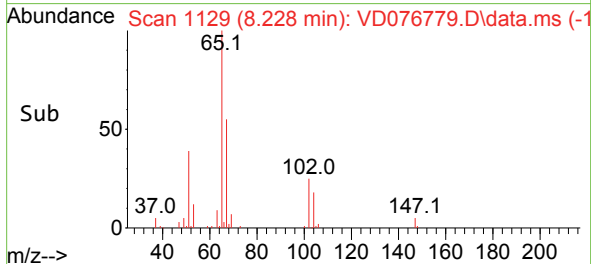
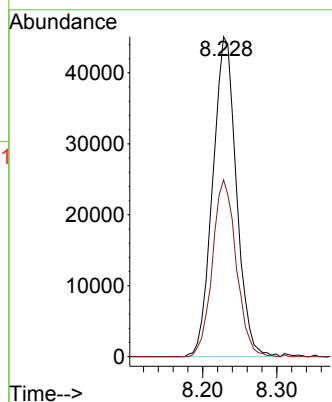
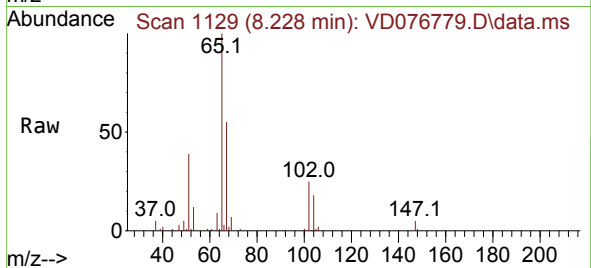
TP4

Tgt Ion: 65 Resp: 100192

Ion Ratio Lower Upper

65 100

67 55.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076779.D

Acq: 18 Jul 2023 15:45

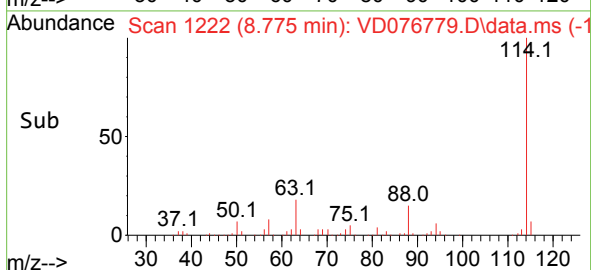
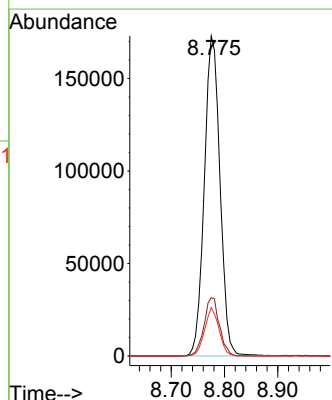
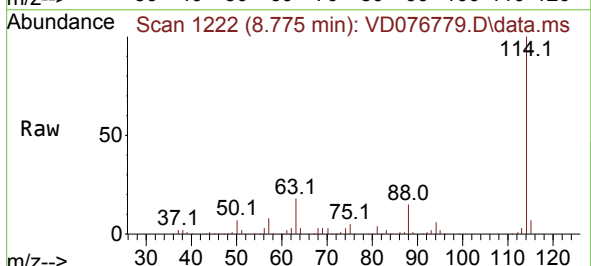
Tgt Ion: 114 Resp: 353861

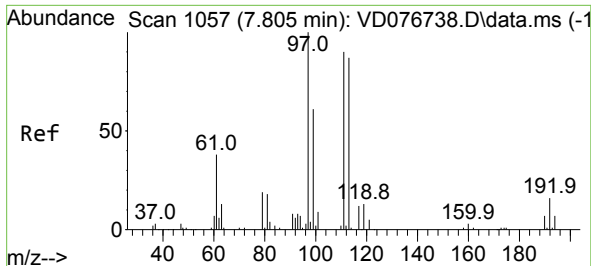
Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 15.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.838 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076779.D

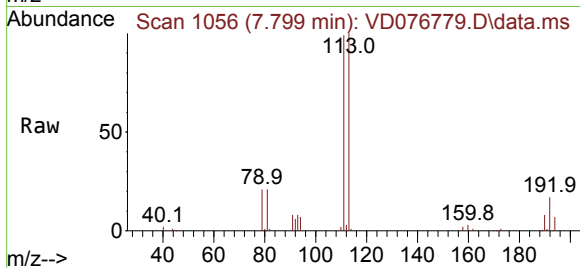
Acq: 18 Jul 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

TP4



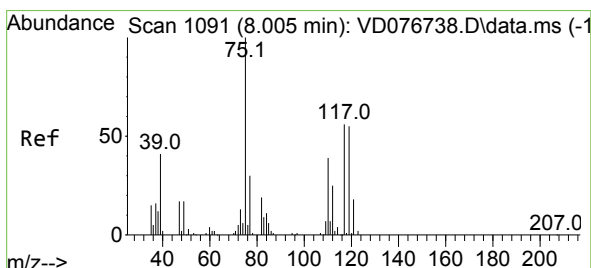
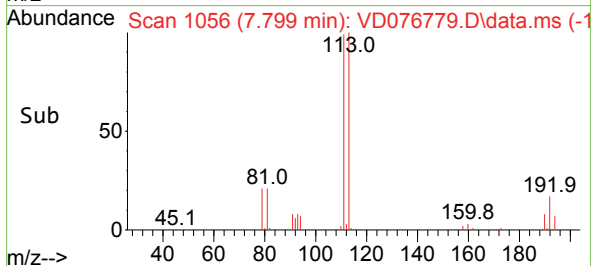
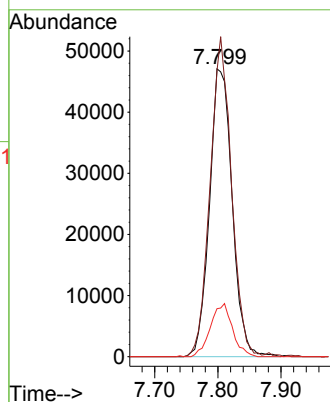
Tgt Ion:113 Resp: 117496

Ion Ratio Lower Upper

113 100

111 104.4 84.7 127.1

192 17.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.234 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076779.D

Acq: 18 Jul 2023 15:45

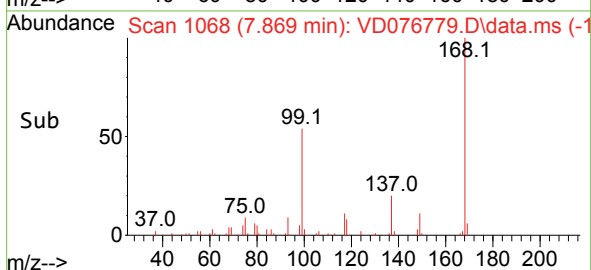
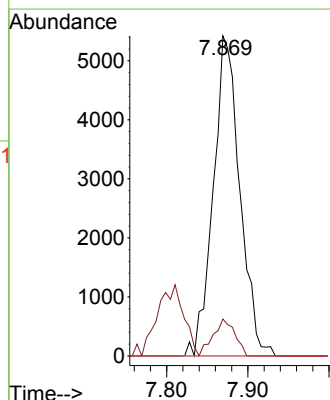
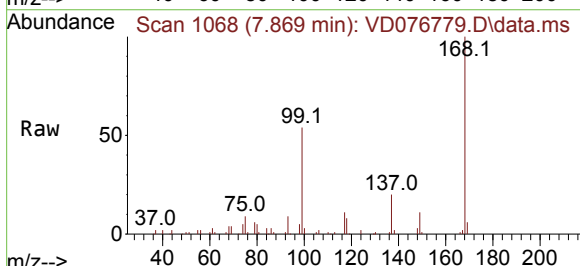
Tgt Ion: 75 Resp: 12302

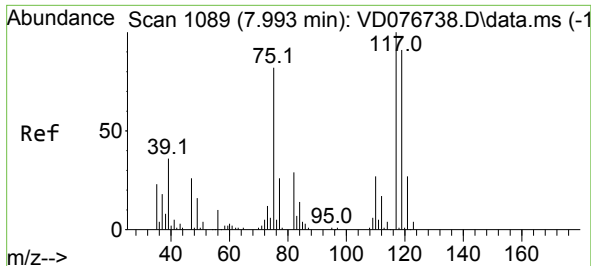
Ion Ratio Lower Upper

75 100

110 9.4 19.9 59.6#

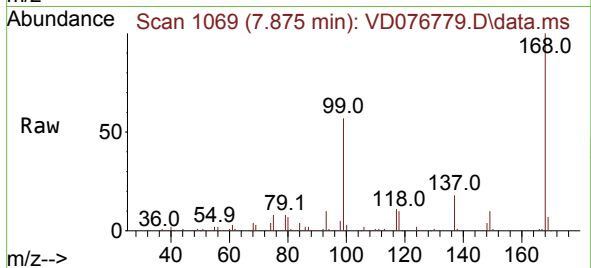
77 0.0 24.7 37.1#



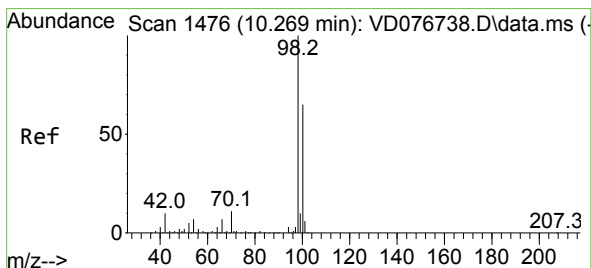
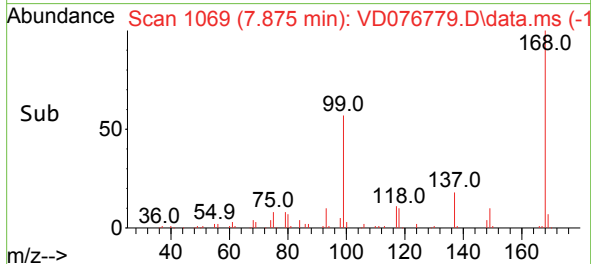
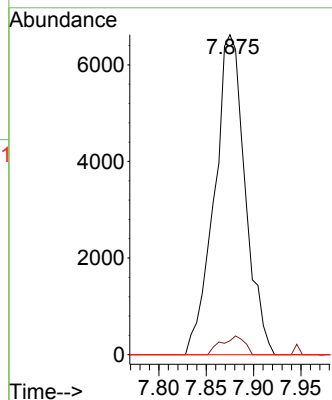


#38
Carbon Tetrachloride
Concen: 5.383 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

Instrument :
MSVOA_D
ClientSampleId :
TP4

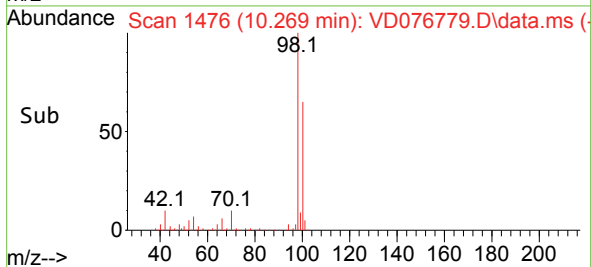
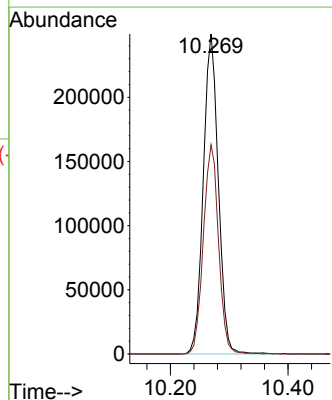
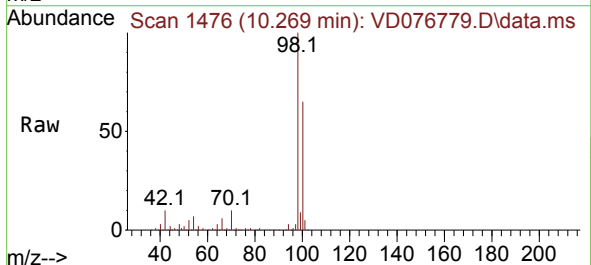


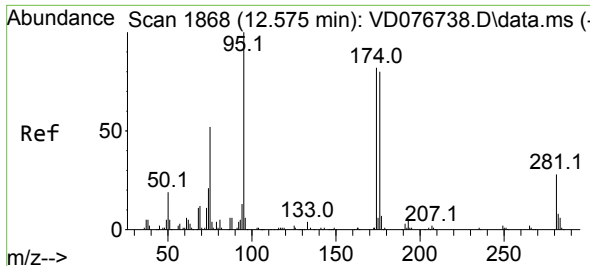
Tgt Ion:117 Resp: 14977
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.549 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

Tgt Ion: 98 Resp: 441893
Ion Ratio Lower Upper
98 100
100 66.1 50.3 75.5

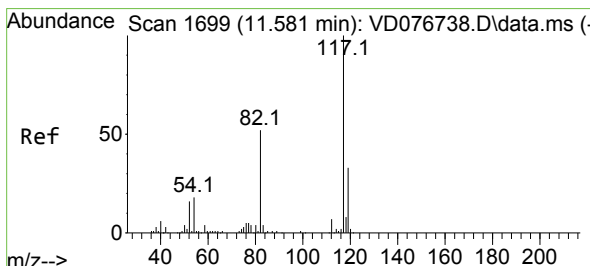
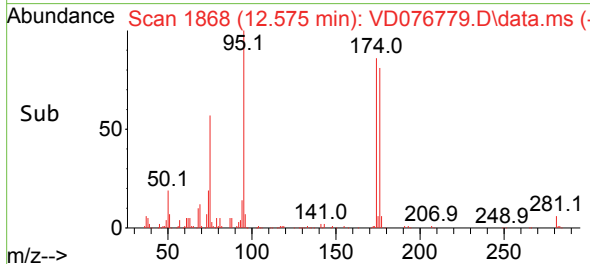
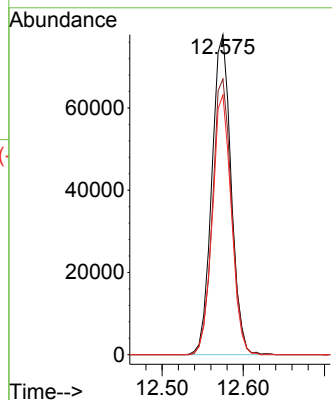
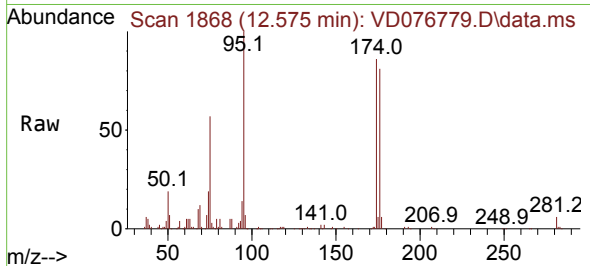




#62
4-Bromofluorobenzene
Concen: 49.787 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

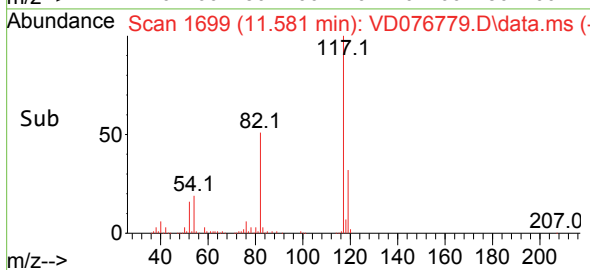
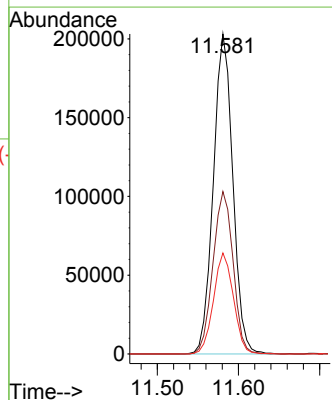
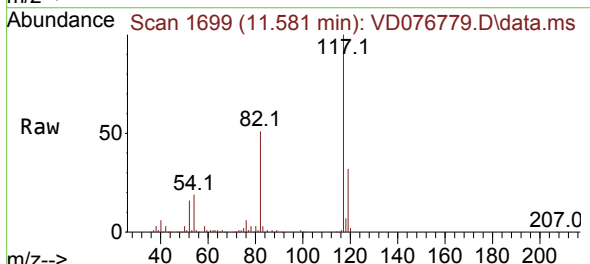
Instrument :
MSVOA_D
ClientSampleId :
TP4

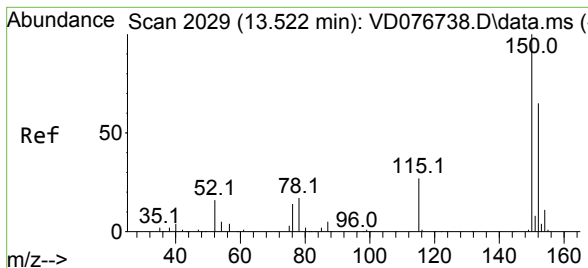
Tgt Ion:	95	Resp:	128123
Ion Ratio	Lower	Upper	
95	100		
174	85.5	0.0	201.8
176	80.0	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076779.D
Acq: 18 Jul 2023 15:45

Tgt Ion:	117	Resp:	339029
Ion Ratio	Lower	Upper	
117	100		
82	50.7	38.3	57.5
119	31.6	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: VD076779.D

Acq: 18 Jul 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

TP4

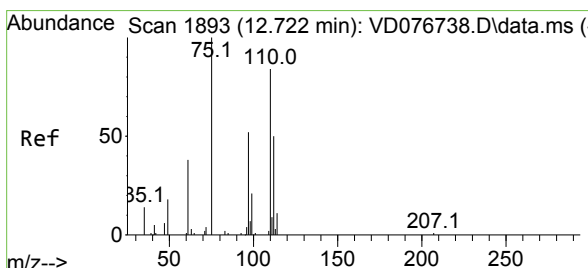
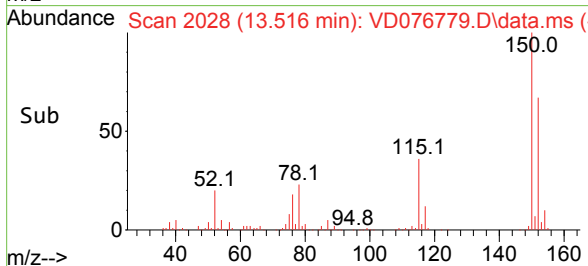
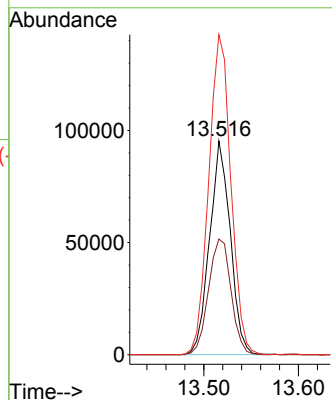
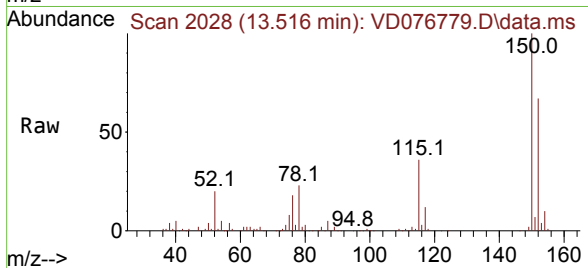
Tgt Ion:152 Resp: 144718

Ion Ratio Lower Upper

152 100

115 58.8 27.1 81.3

150 159.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 50.457 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076779.D

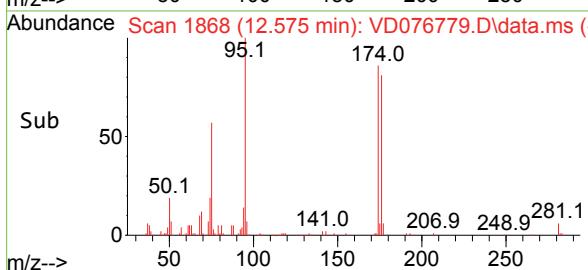
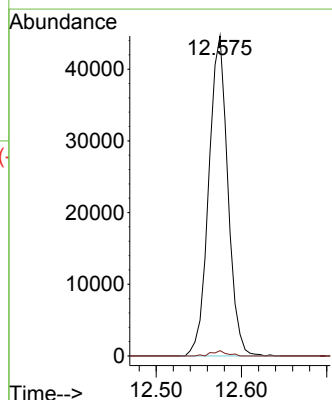
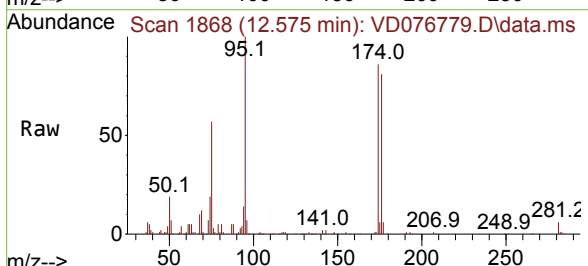
Acq: 18 Jul 2023 15:45

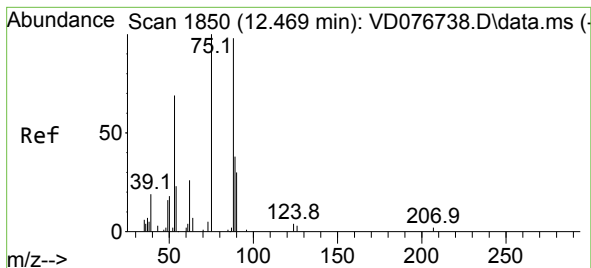
Tgt Ion: 75 Resp: 69442

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.386 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076779.D
 Acq: 18 Jul 2023 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4

Tgt Ion: 75 Resp: 69442
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

