

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075687.D
 Acq On : 14 Apr 2023 19:03
 Operator : KP/SY
 Sample : 02348-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-041323

Quant Time: Apr 17 09:13:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

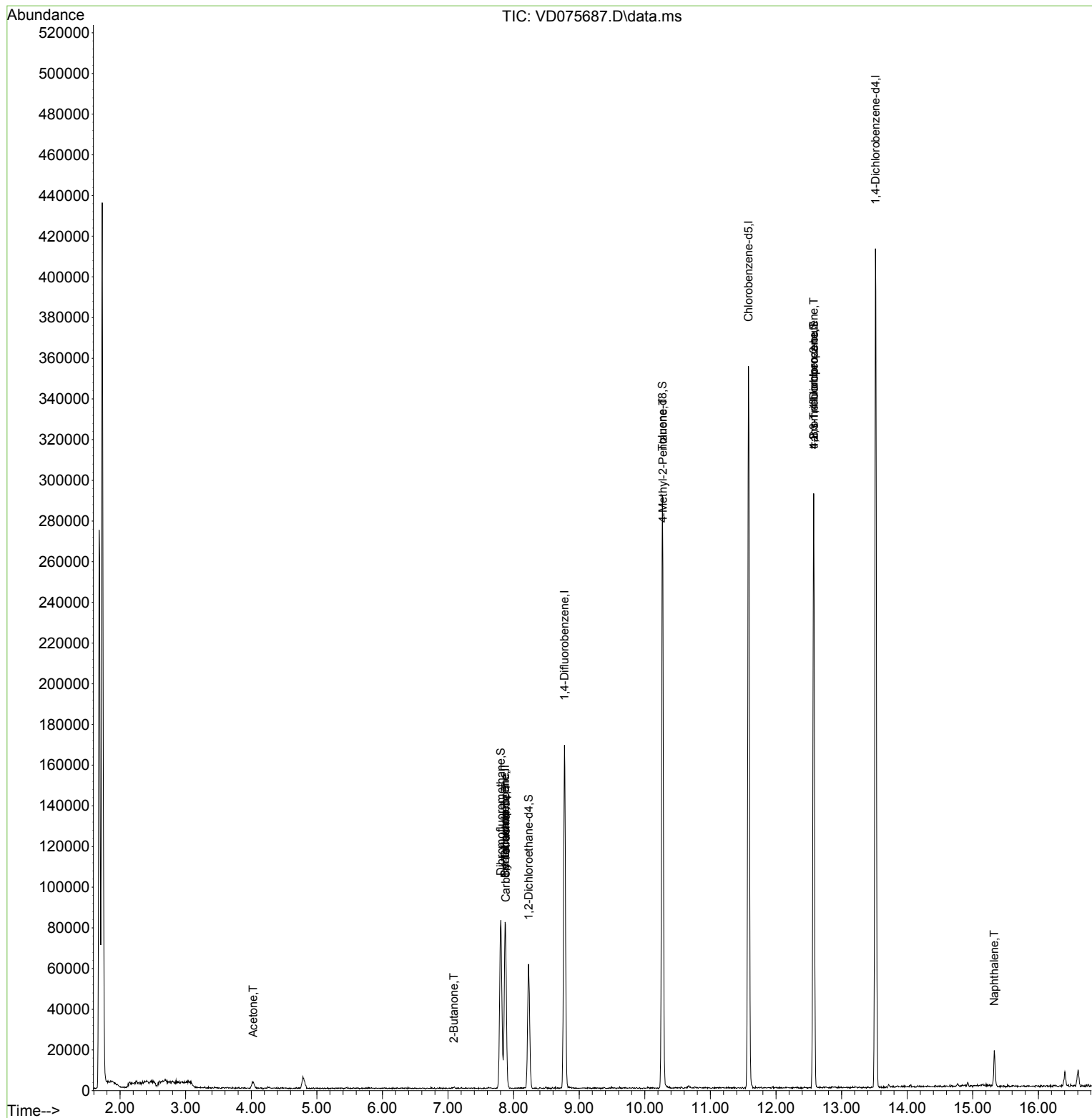
Internal Standards						
1) Pentafluorobenzene	7.869	168	67658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	160425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	220173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46174	71.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.800%	
35) Dibromofluoromethane	7.805	113	62330	57.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.540%	
50) Toluene-d8	10.269	98	218162	50.489	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.575	95	91712	79.853	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 159.700%#	
Target Compounds						
16) Acetone	4.028	43	5656	48.074	ug/l	95
25) 2-Butanone	7.087	43	434	2.865	ug/l #	50
31) Cyclohexane	7.869	56	1224	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	5195	3.490	ug/l #	48
38) Carbon Tetrachloride	7.881	117	6406	4.887	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	534	1.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	44978	45.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	44978	99.424	ug/l #	5
95) Naphthalene	15.328	128	15732	3.937	ug/l	98

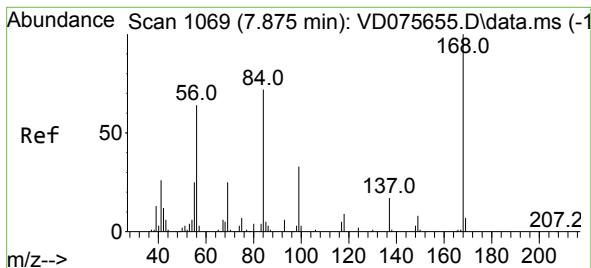
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 13 14:16:29 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

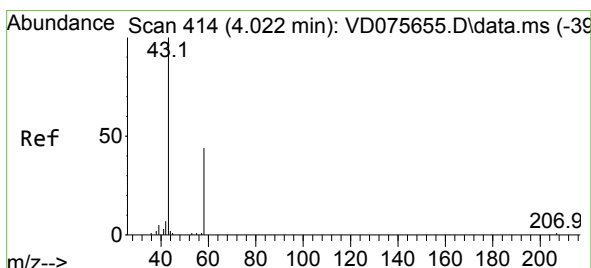
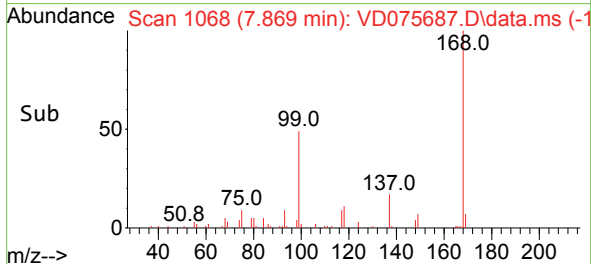
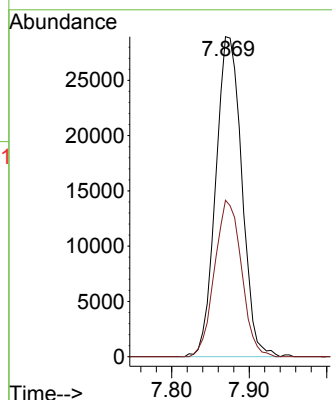
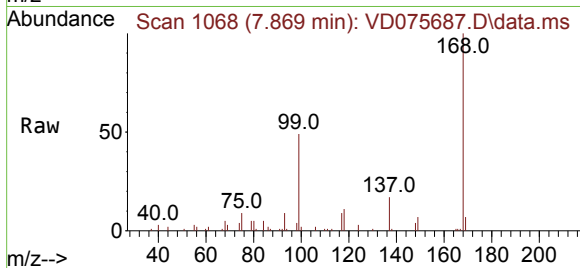
TR-05-041323

Tgt Ion:168 Resp: 67658

Ion Ratio Lower Upper

168 100

99 48.9 43.8 65.6



#16

Acetone

Concen: 48.074 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD075687.D

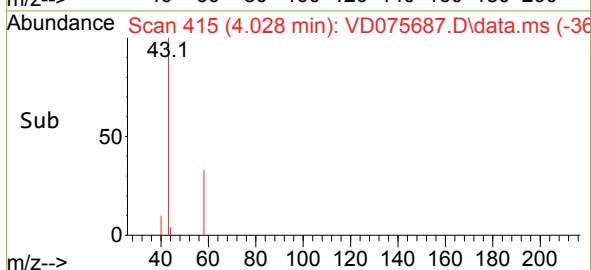
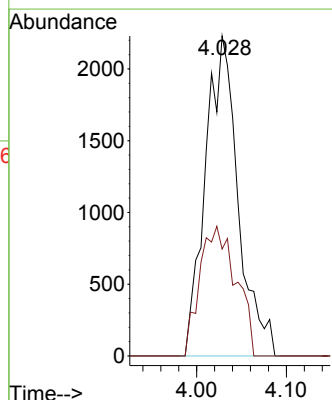
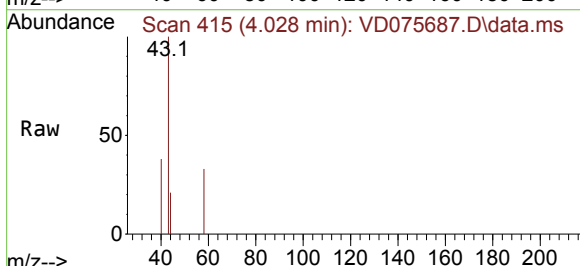
Acq: 14 Apr 2023 19:03

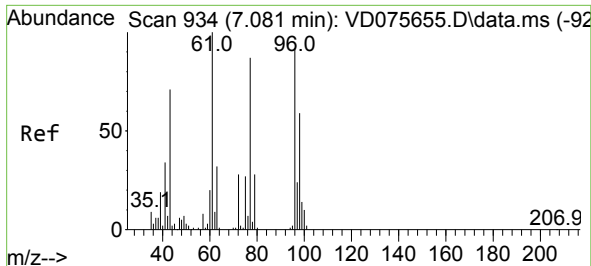
Tgt Ion: 43 Resp: 5656

Ion Ratio Lower Upper

43 100

58 33.4 24.4 36.6

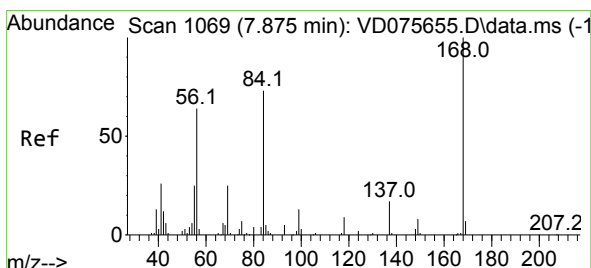
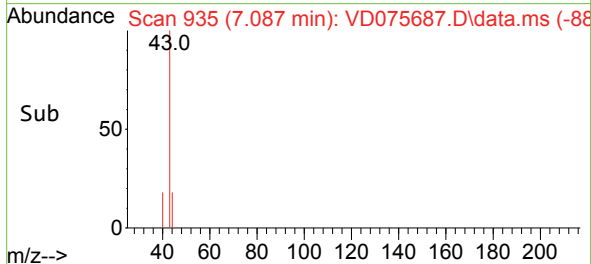
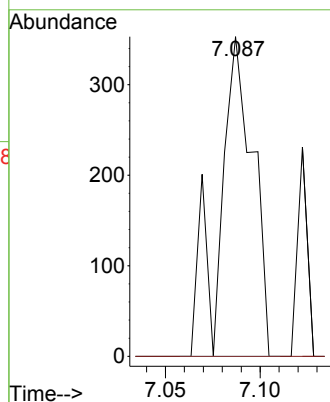
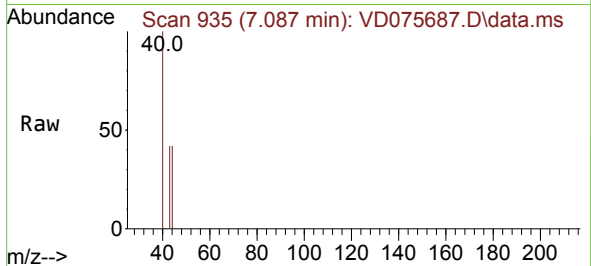




#25
2-Butanone
Concen: 2.865 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075687.D
Acq: 14 Apr 2023 19:03

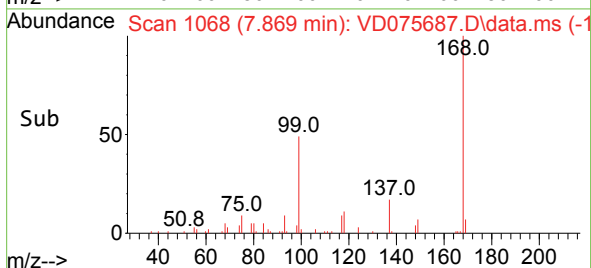
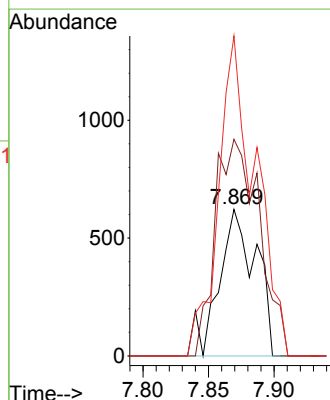
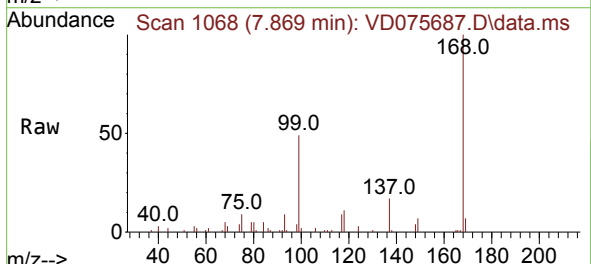
Instrument :
MSVOA_D
ClientSampleId :
TR-05-041323

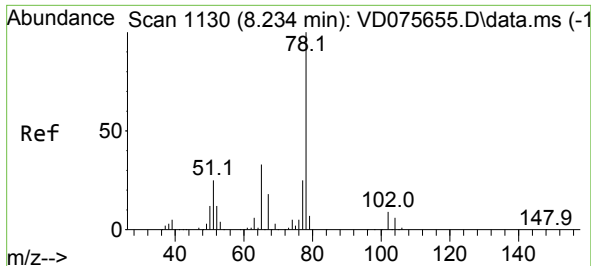
Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075687.D
Acq: 14 Apr 2023 19:03

Tgt Ion: 56 Resp: 1224
Ion Ratio Lower Upper
56 100
69 147.7 25.5 38.3#
84 218.3 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 71.899 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

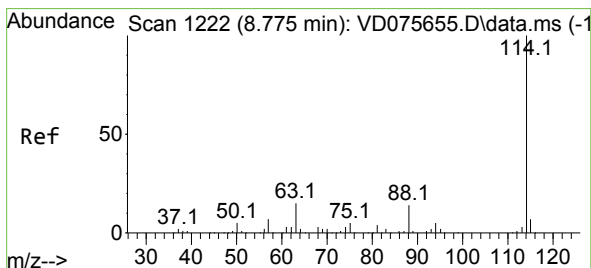
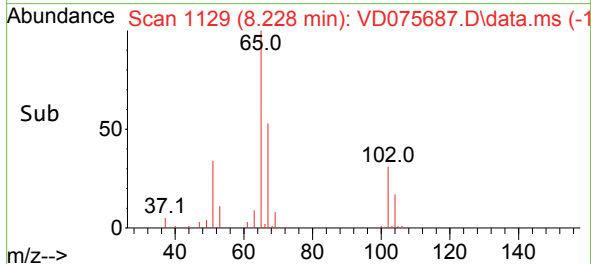
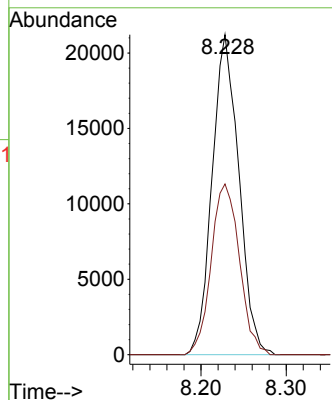
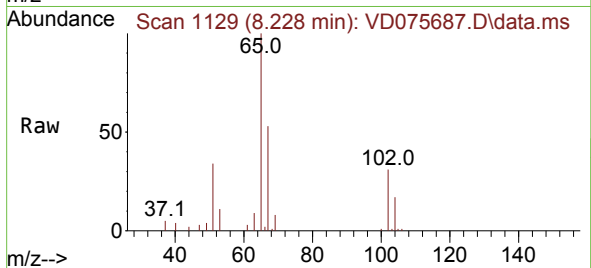
TR-05-041323

Tgt Ion: 65 Resp: 46174

Ion Ratio Lower Upper

65 100

67 56.4 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

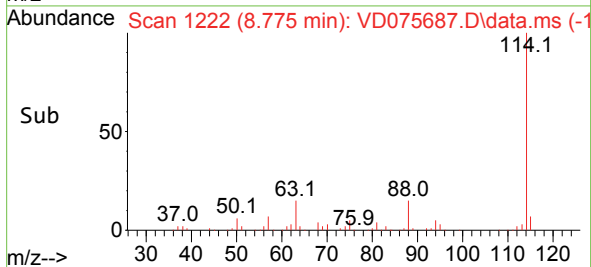
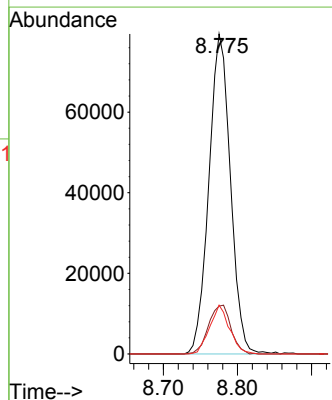
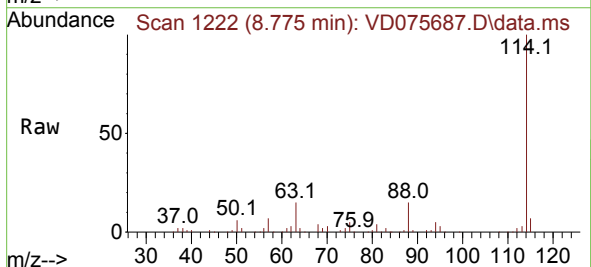
Tgt Ion: 114 Resp: 160425

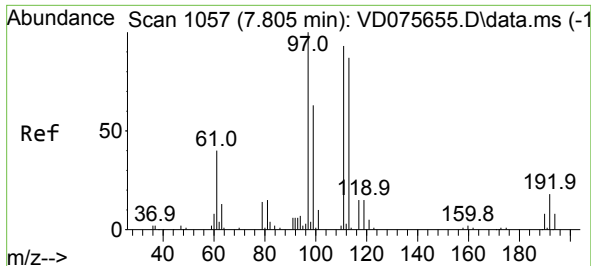
Ion Ratio Lower Upper

114 100

63 14.9 0.0 41.6

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 57.766 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

TR-05-041323

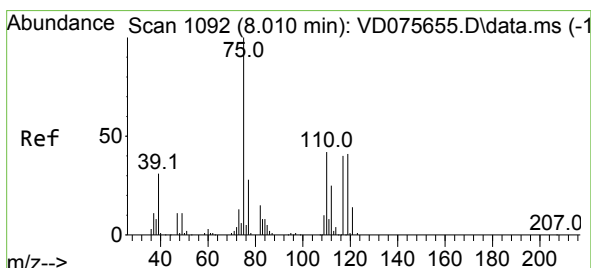
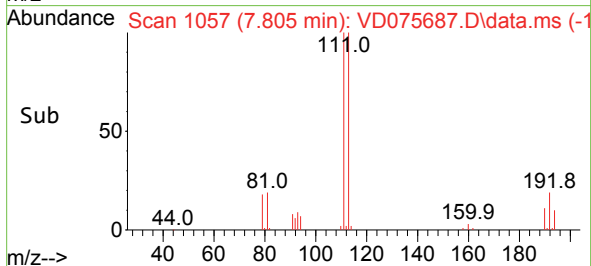
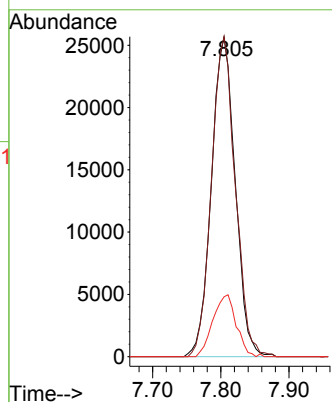
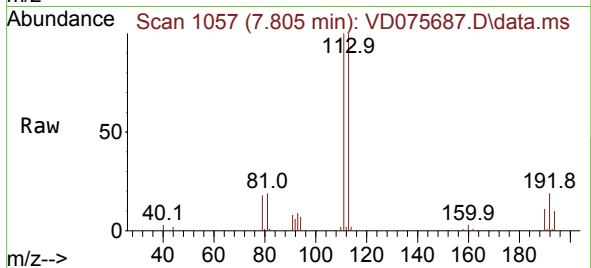
Tgt Ion:113 Resp: 62330

Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

192 19.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 3.490 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

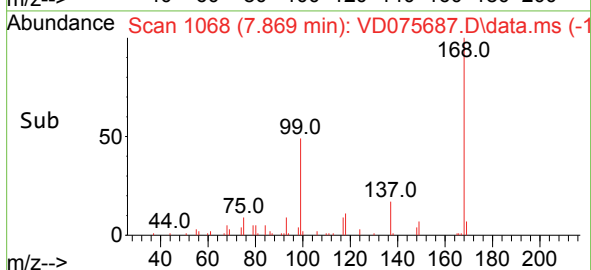
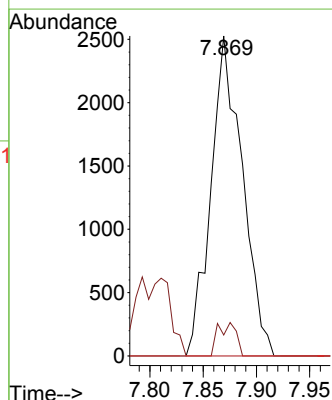
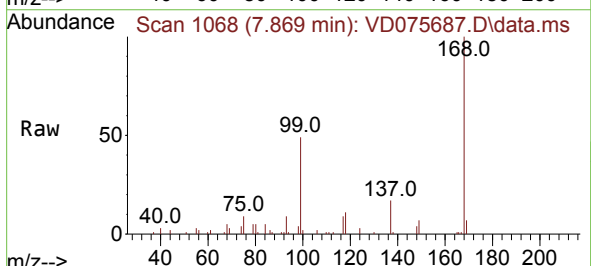
Tgt Ion: 75 Resp: 5195

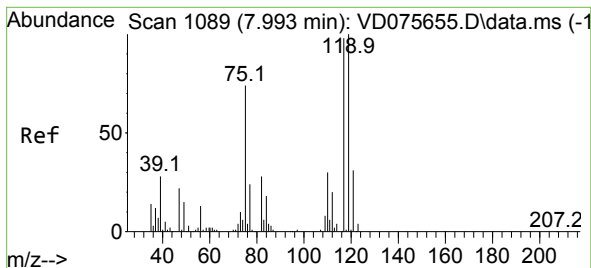
Ion Ratio Lower Upper

75 100

110 6.0 17.1 51.2#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.887 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

TR-05-041323

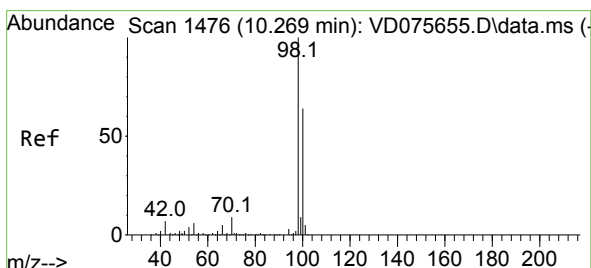
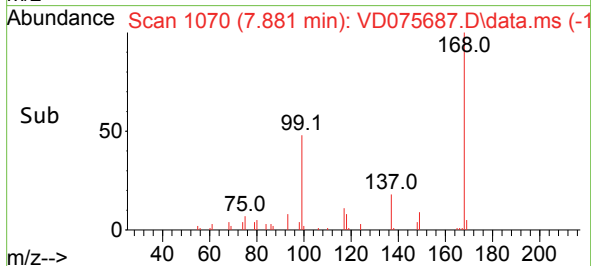
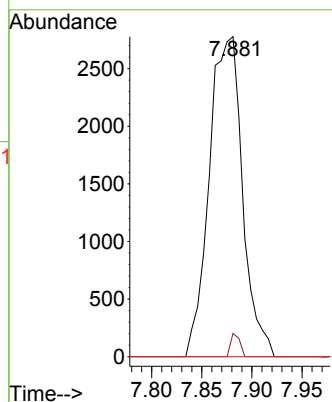
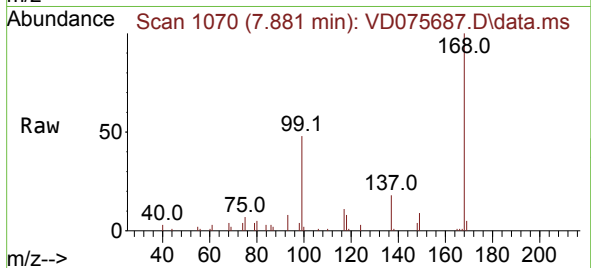
Tgt Ion:117 Resp: 6406

Ion Ratio Lower Upper

117 100

119 7.3 74.7 112.1#

121 0.0 25.9 38.9#



#50

Toluene-d8

Concen: 50.489 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075687.D

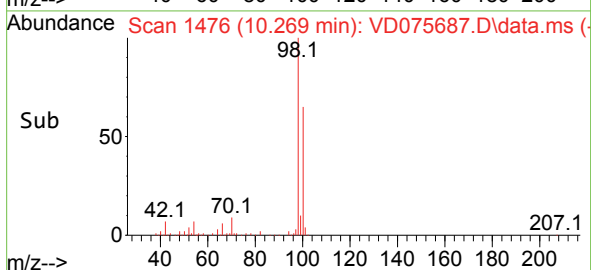
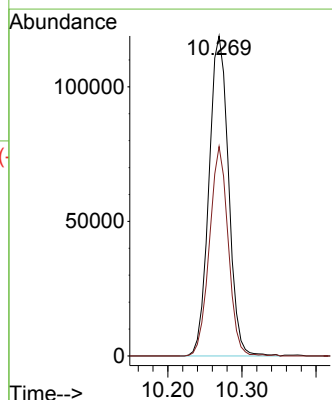
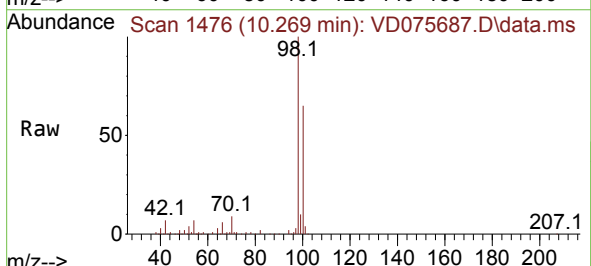
Acq: 14 Apr 2023 19:03

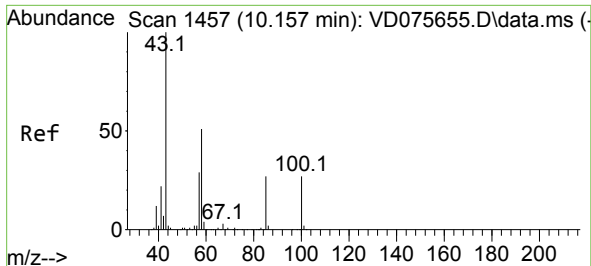
Tgt Ion: 98 Resp: 218162

Ion Ratio Lower Upper

98 100

100 62.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.212 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

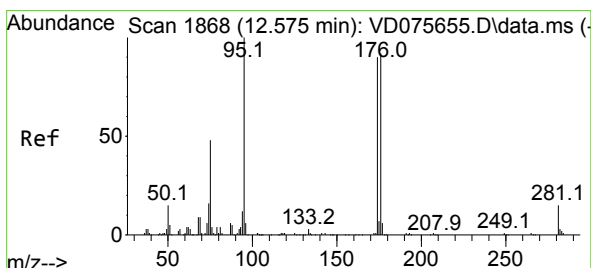
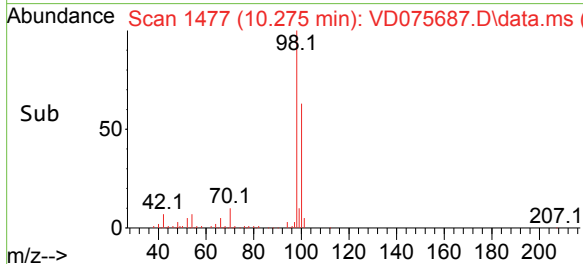
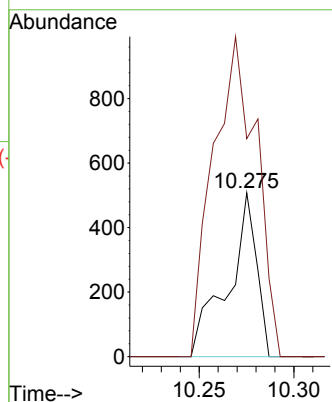
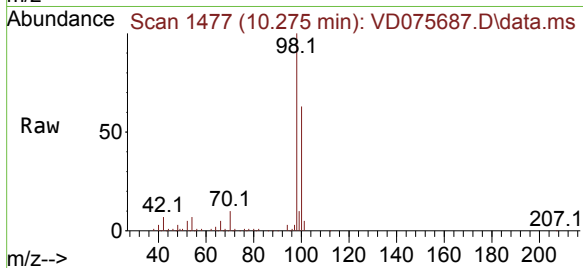
TR-05-041323

Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

58 293.8 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 79.853 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075687.D

Acq: 14 Apr 2023 19:03

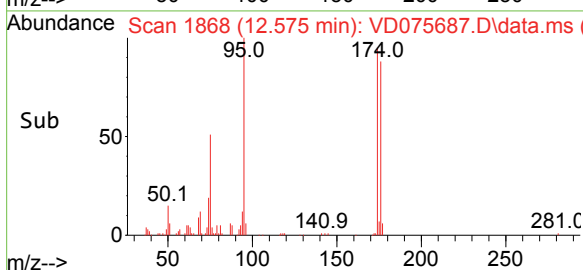
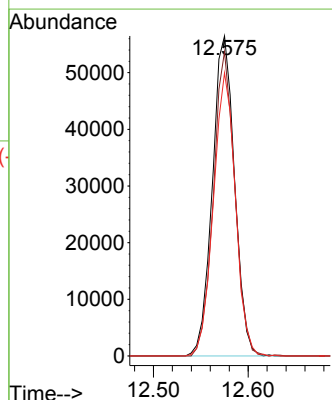
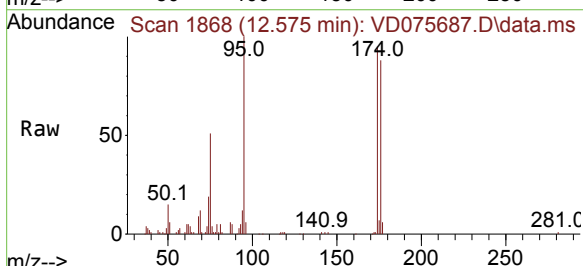
Tgt Ion: 95 Resp: 91712

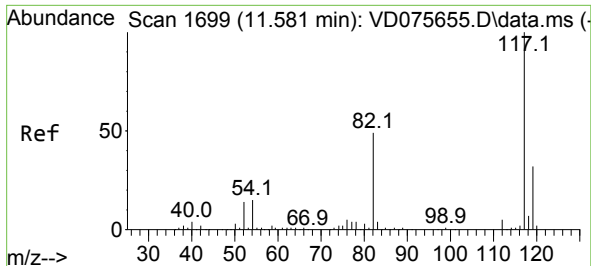
Ion Ratio Lower Upper

95 100

174 91.9 0.0 164.0

176 87.7 0.0 156.8

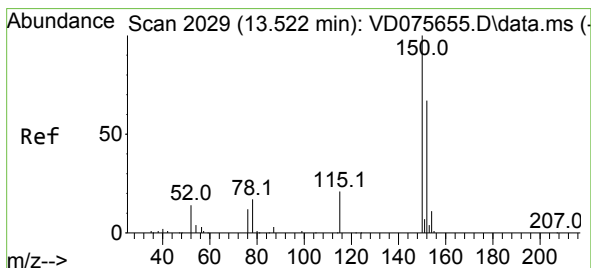
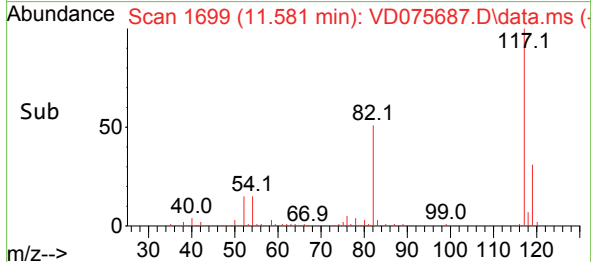
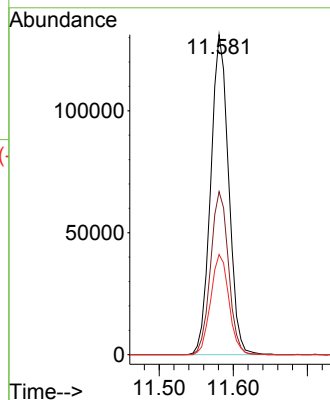
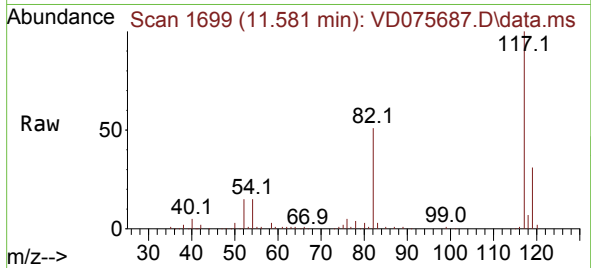




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075687.D
Acq: 14 Apr 2023 19:03

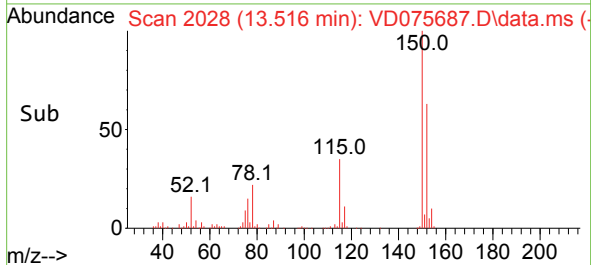
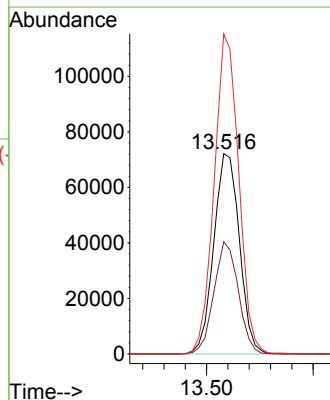
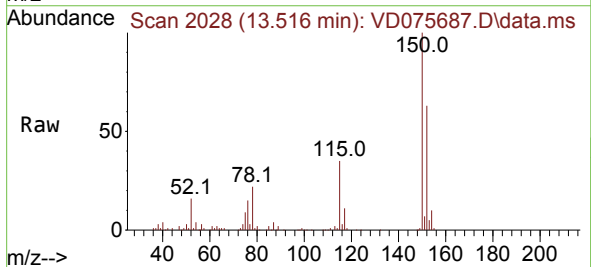
Instrument :
MSVOA_D
ClientSampleId :
TR-05-041323

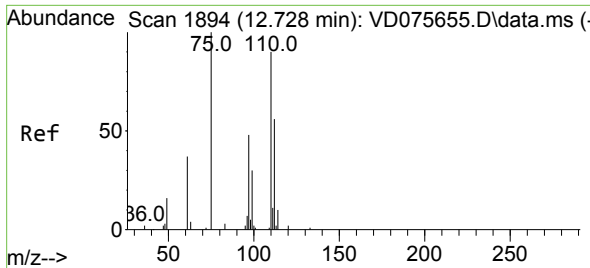
Tgt Ion:117 Resp: 220173
Ion Ratio Lower Upper
117 100
82 51.0 44.0 66.0
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD075687.D
Acq: 14 Apr 2023 19:03

Tgt Ion:152 Resp: 120235
Ion Ratio Lower Upper
152 100
115 53.5 30.1 90.3
150 153.5 0.0 364.8

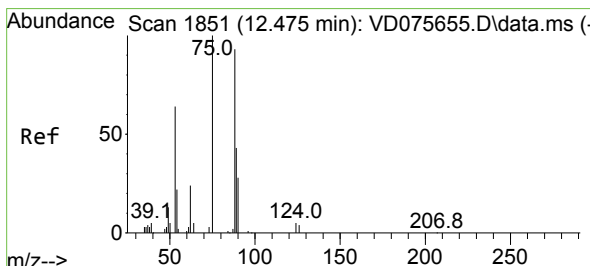
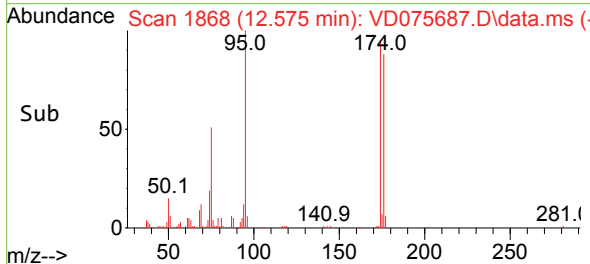
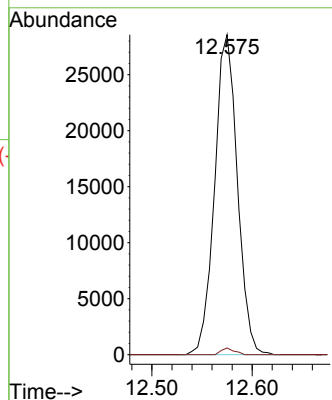
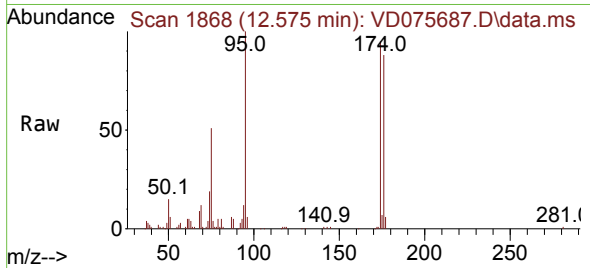




#76
1,2,3-Trichloropropane
Concen: 45.872 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075687.D
Acq: 14 Apr 2023 19:03

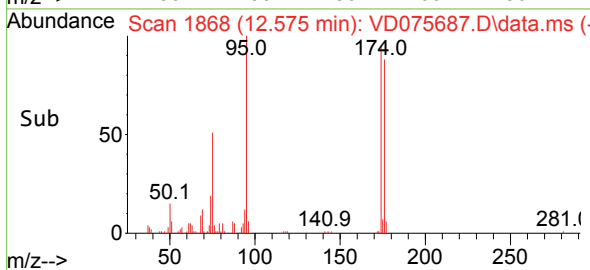
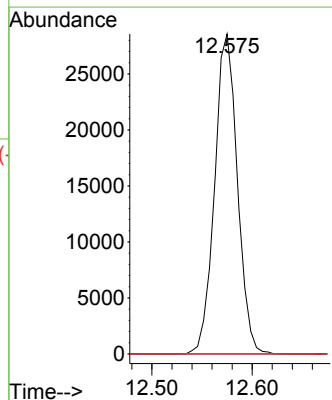
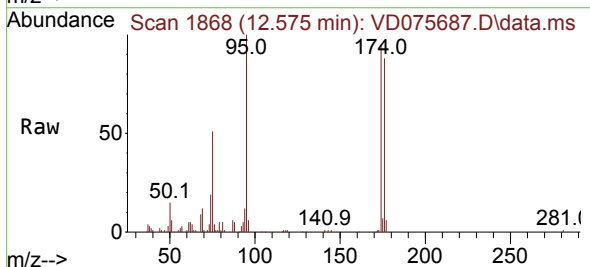
Instrument :
MSVOA_D
ClientSampleId :
TR-05-041323

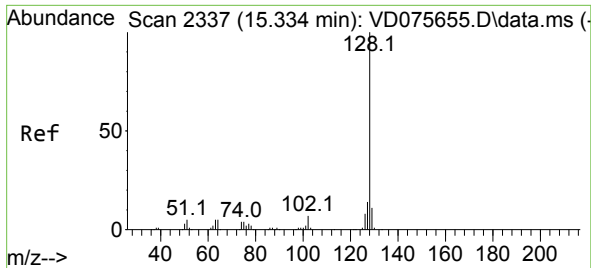
Tgt Ion: 75 Resp: 44978
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.424 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075687.D
Acq: 14 Apr 2023 19:03

Tgt Ion: 75 Resp: 44978
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#





#95

Naphthalene

Concen: 3.937 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075687.D

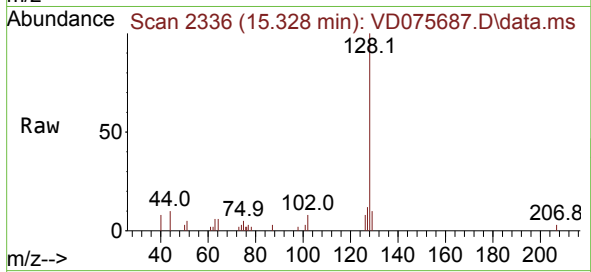
Acq: 14 Apr 2023 19:03

Instrument :

MSVOA_D

ClientSampleId :

TR-05-041323



Tgt Ion:128 Resp: 15732

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

129 10.2 8.8 13.2

