

Data File : VL032394.D
Acq On : 17 Aug 2018 2:22
Operator : SY/AP
Sample : J4457-11DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVIDL

Quant Time: Aug 17 03:22:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1757244	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3372812	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3387547	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2571393	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

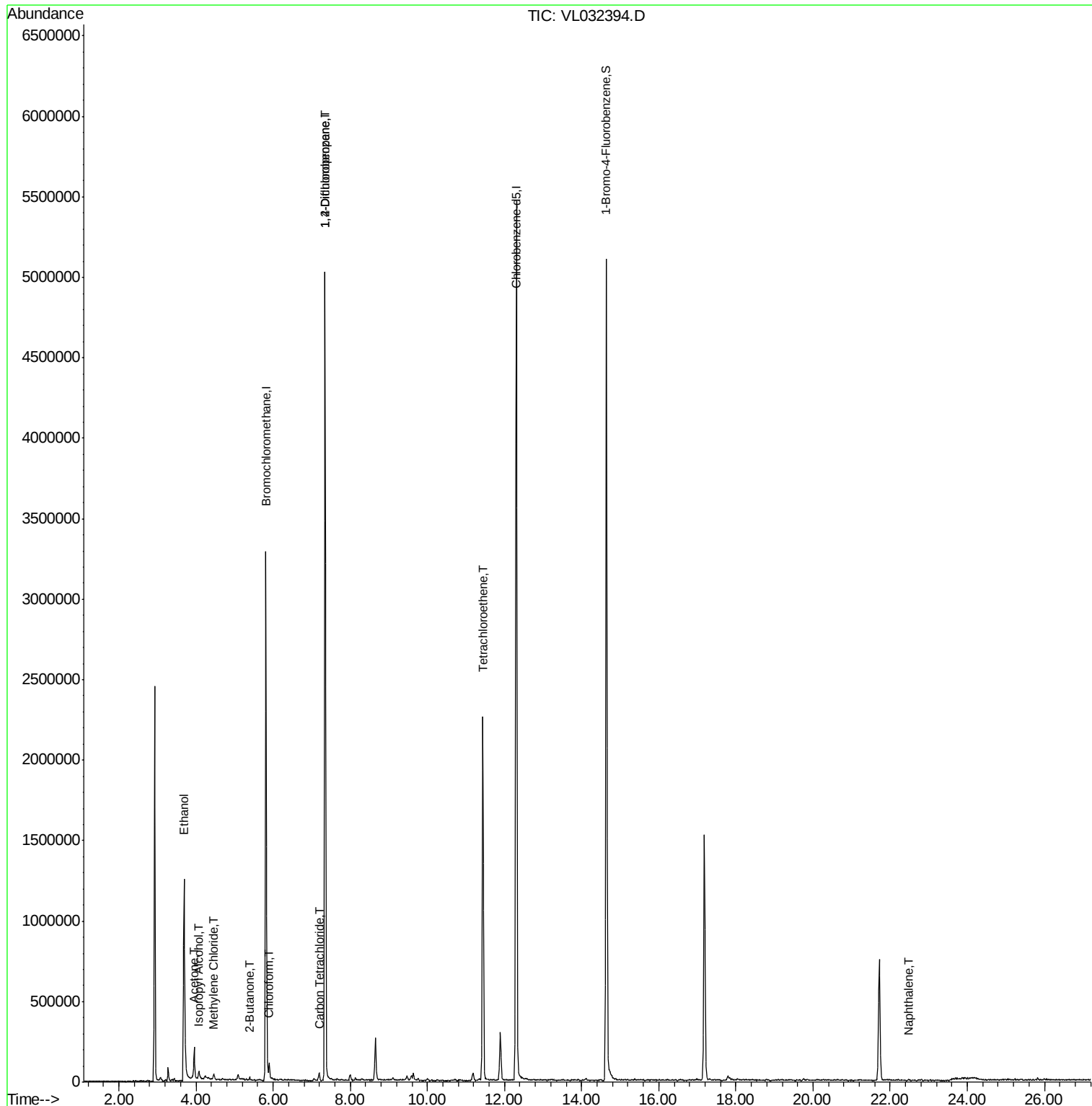
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	3475	Below Cal		99
13) Ethanol	3.69	45	1503622	84.034	ppbv	96
15) Acetone	3.95	43	178099	1.067	ppbv	98
19) Isopropyl Alcohol	4.07	45	52858	0.470	ppbv #	87
20) Methylene Chloride	4.45	84	8810	0.140	ppbv #	88
29) Chloroform	5.90	83	57265	0.245	ppbv	100
34) 2-Butanone	5.39	43	15799	0.069	ppbv	93
35) Carbon Tetrachloride	7.19	117	20131	0.101	ppbv #	73
39) 1,2-Dichloropropane	7.35	63	956050	8.004	ppbv #	25
52) Tetrachloroethene	11.44	164	524837	6.224	ppbv	95
79) Naphthalene	22.48	128	321	0.328	ppbv #	69

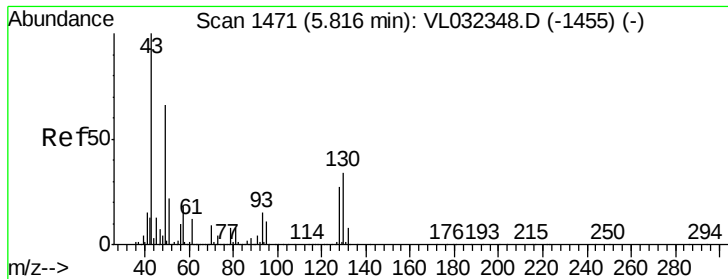
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

Instrument :

MSVOA_L

ClientSampleId :

SS03-MIVIDL

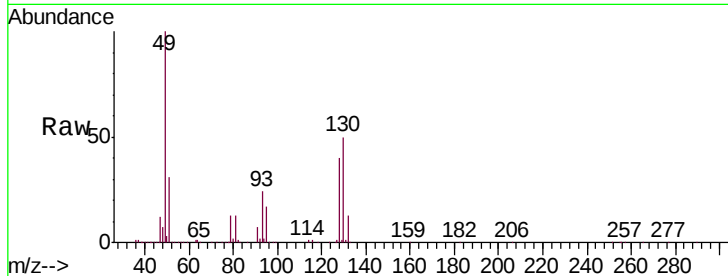
Tgt Ion: 49 Resp: 1757244

Ion Ratio Lower Upper

49 100

128 40.5 20.5 61.6

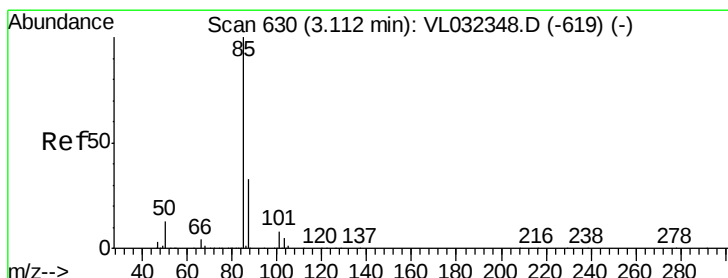
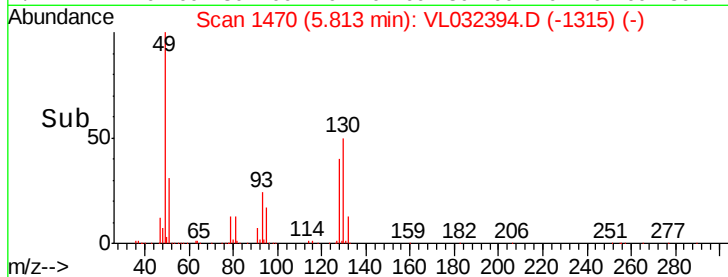
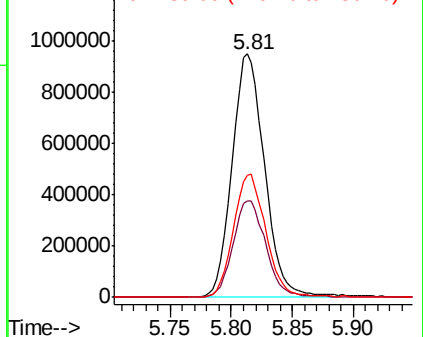
130 50.8 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.11 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL032394.D

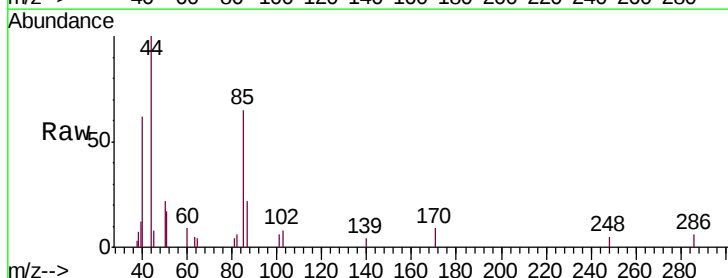
Acq: 17 Aug 2018 2:22

Tgt Ion: 85 Resp: 3475

Ion Ratio Lower Upper

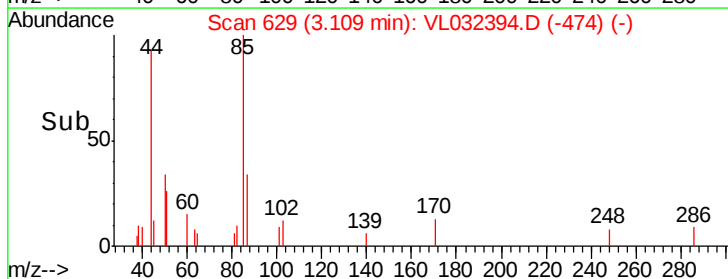
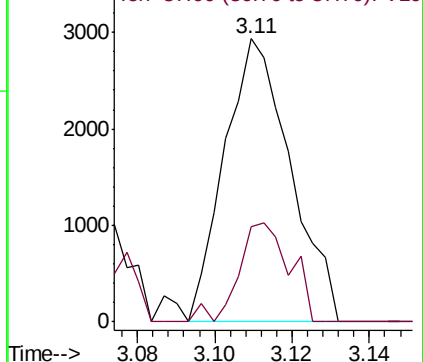
85 100

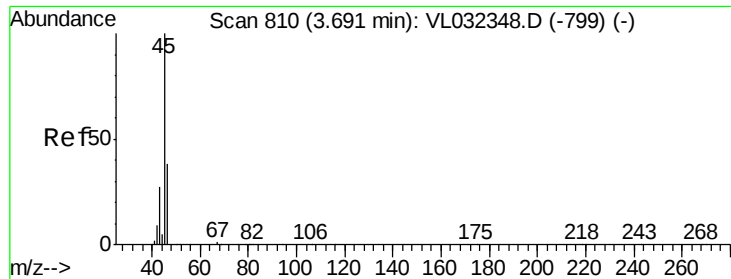
87 33.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#13

Ethanol

Concen: 84.034 ppbv

RT: 3.69 min Scan# 809

Delta R.T. -0.00 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

Instrument :

MSVOA_L

ClientSampleId :

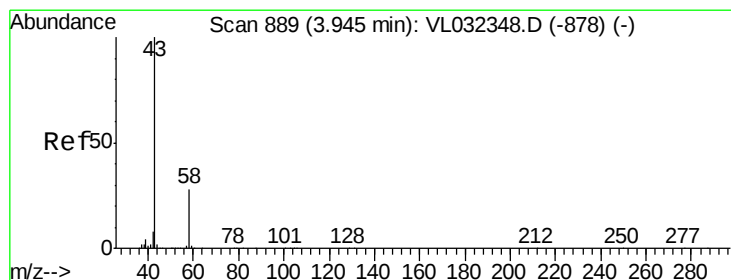
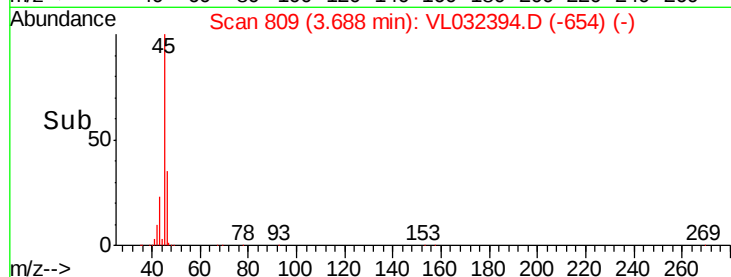
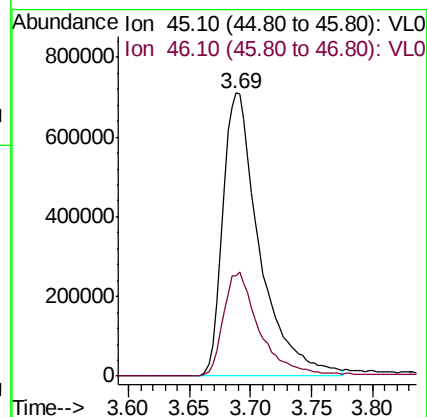
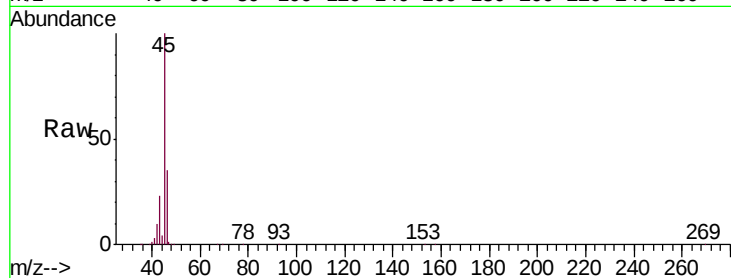
SS03-MIVIDL

Tgt Ion: 45 Resp: 1503622

Ion Ratio Lower Upper

45 100

46 36.8 15.6 62.4



#15

Acetone

Concen: 1.067 ppbv

RT: 3.95 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL032394.D

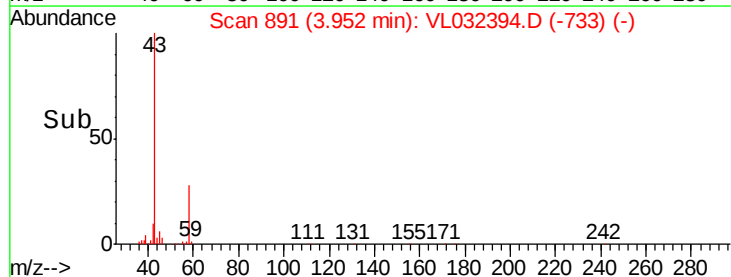
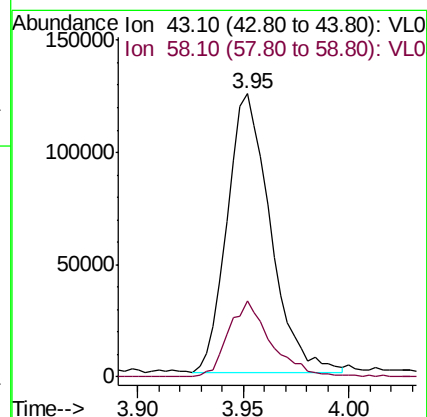
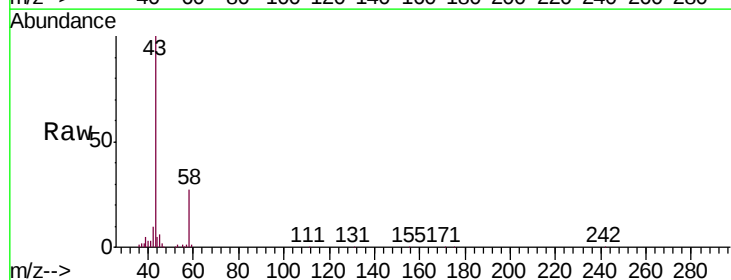
Acq: 17 Aug 2018 2:22

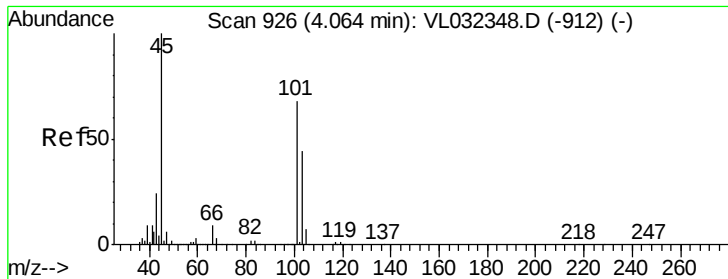
Tgt Ion: 43 Resp: 178099

Ion Ratio Lower Upper

43 100

58 27.2 22.4 33.6

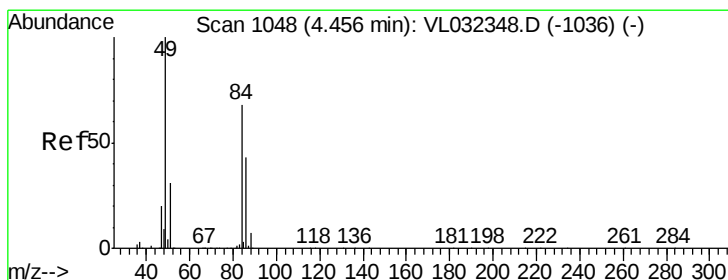
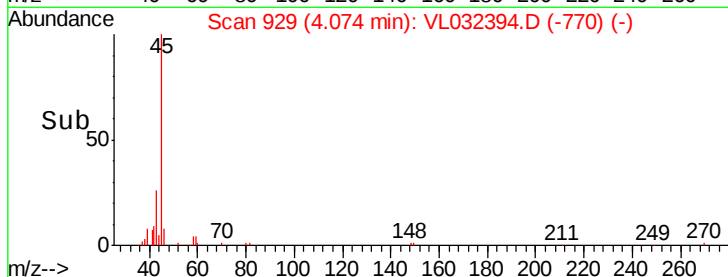
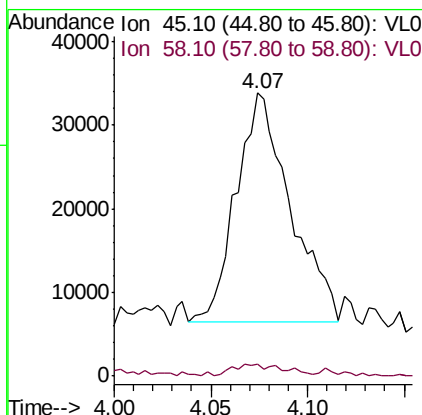
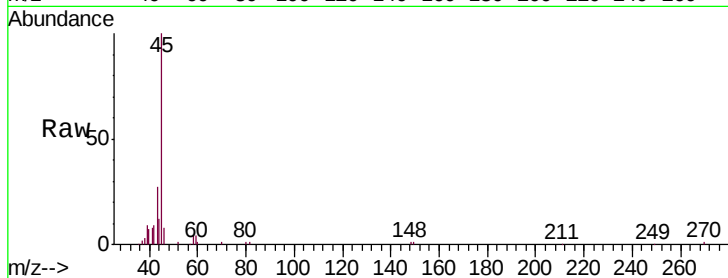




#19
Isopropyl Alcohol
Concen: 0.470 ppbv
RT: 4.07 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL032394.D
Acq: 17 Aug 2018 2:22

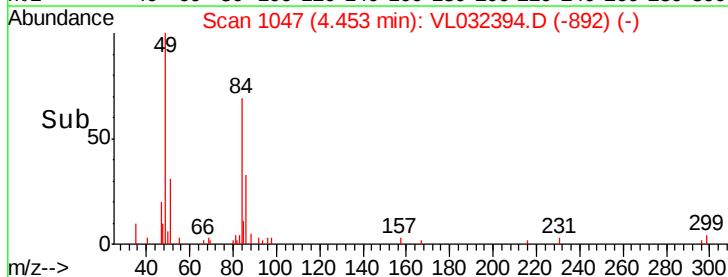
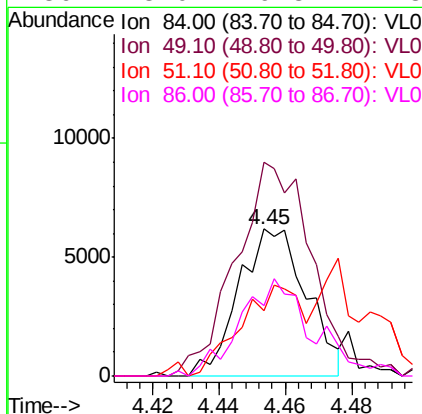
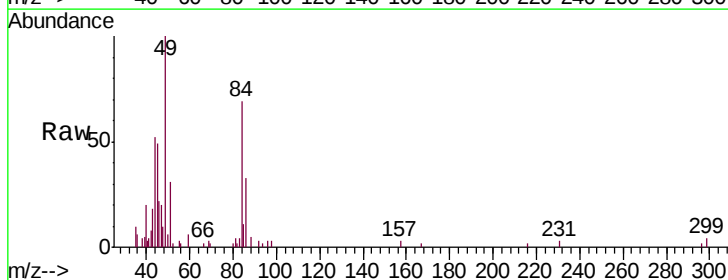
Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVIDL

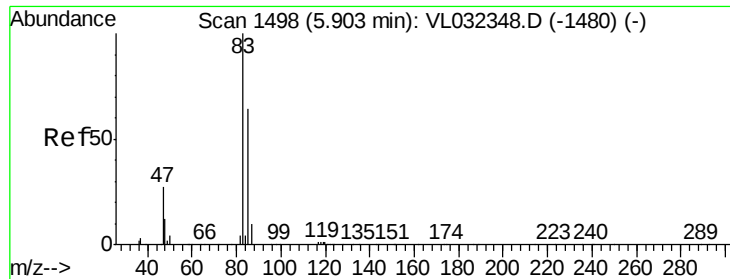
Tgt Ion: 45 Resp: 52858
Ion Ratio Lower Upper
45 100
58 6.5 1.4 2.0#



#20
Methylene Chloride
Concen: 0.140 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VL032394.D
Acq: 17 Aug 2018 2:22

Tgt Ion: 84 Resp: 8810
Ion Ratio Lower Upper
84 100
49 131.3 117.3 175.9
51 44.5 36.6 55.0
86 48.0 49.8 74.8#





#29

Chloroform

Concen: 0.245 ppbv

RT: 5.90 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

Instrument :

MSVOA_L

ClientSampleId :

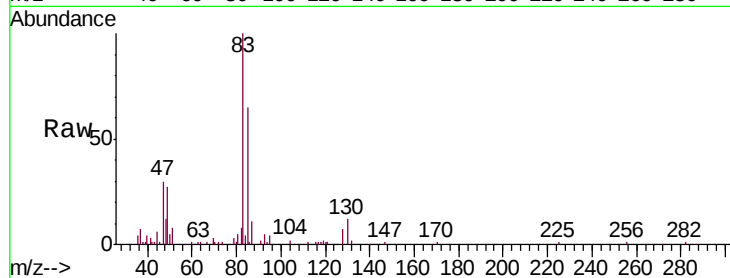
SS03-MIVIDL

Tgt Ion: 83 Resp: 57265

Ion Ratio Lower Upper

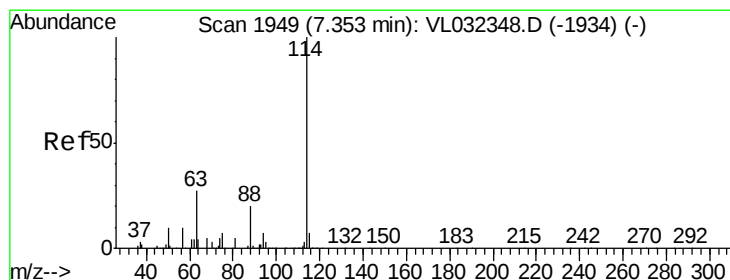
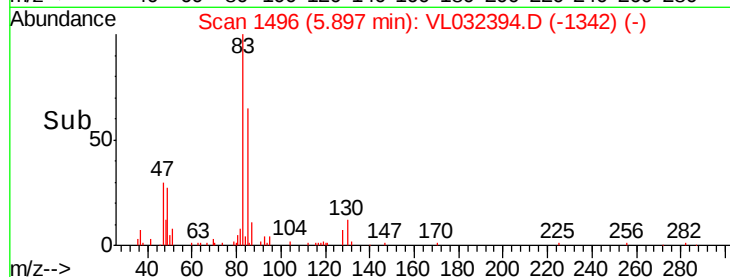
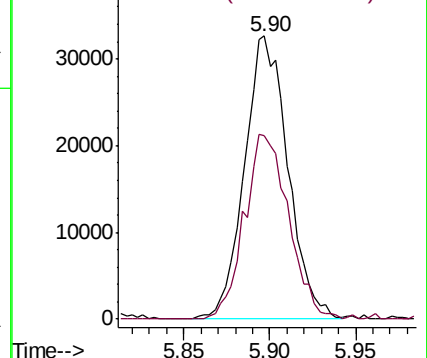
83 100

85 64.7 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.35 min Scan# 1947

Delta R.T. -0.01 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

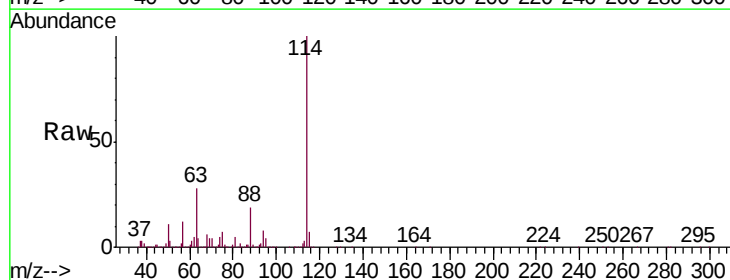
Tgt Ion: 114 Resp: 3372812

Ion Ratio Lower Upper

114 100

63 28.5 22.0 33.0

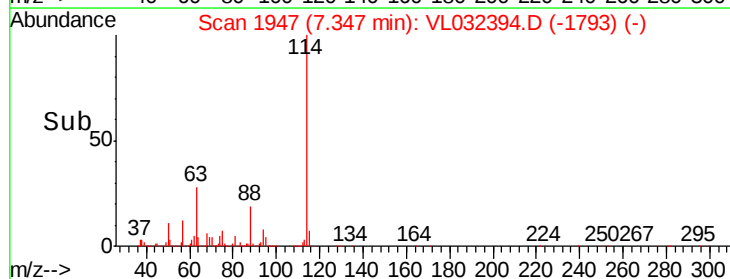
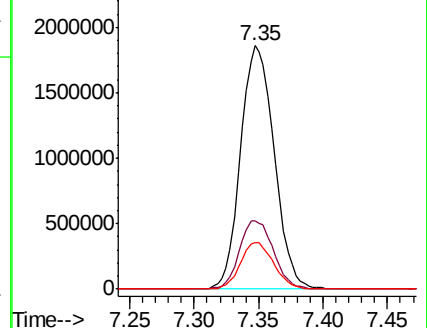
88 18.9 15.3 22.9

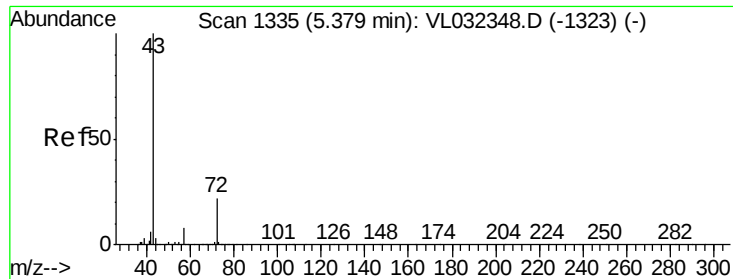


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

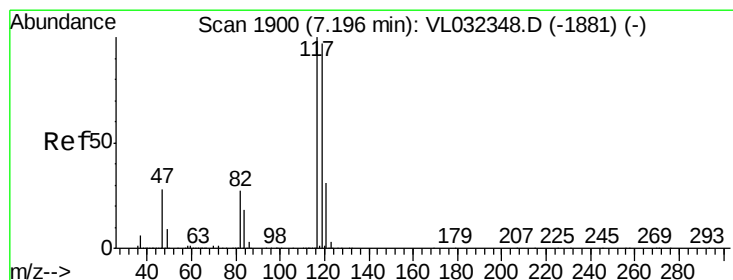
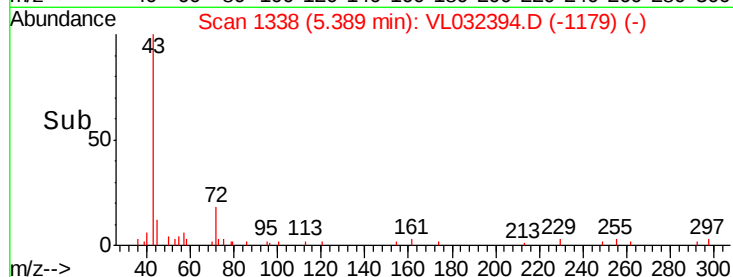
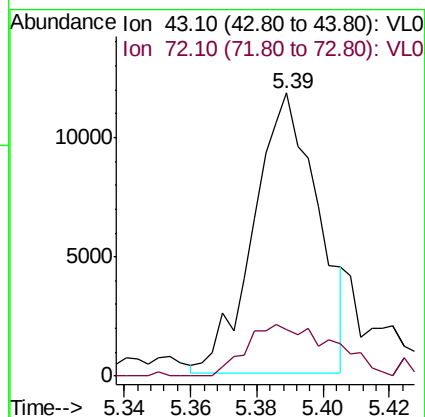
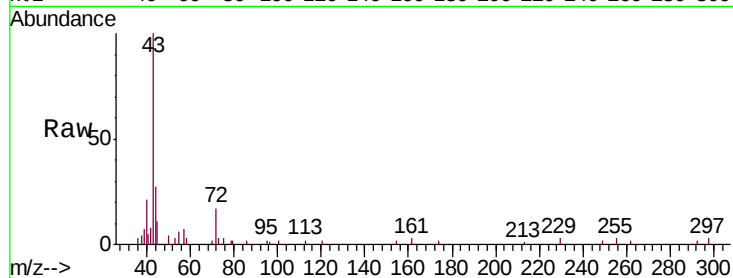




#34
2-Butanone
Concen: 0.069 ppbv
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VL032394.D
Acq: 17 Aug 2018 2:22

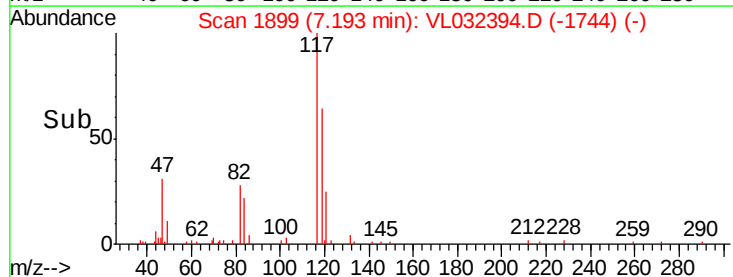
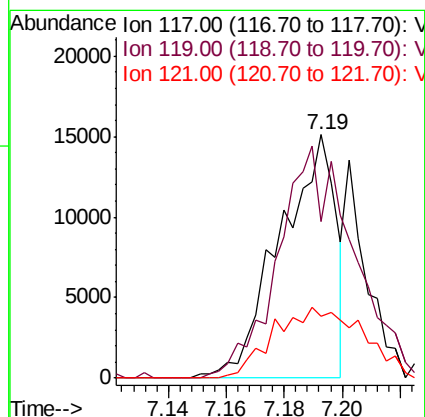
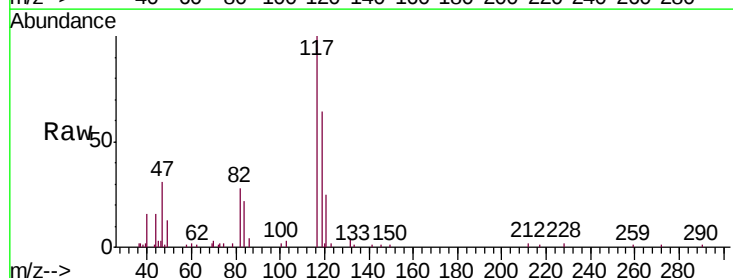
Instrument :
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ClientSampleId :
SS03-MIVIDL

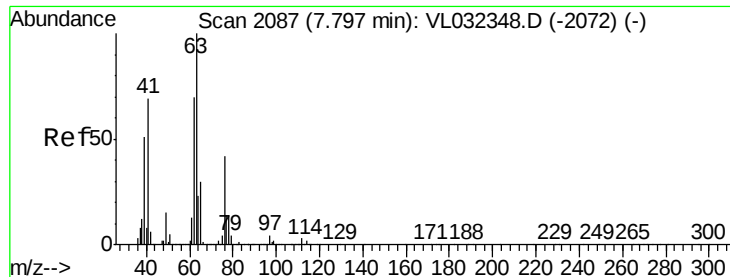
Tgt Ion: 43 Resp: 15799
Ion Ratio Lower Upper
43 100
72 25.9 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 7.19 min Scan# 1899
Delta R.T. -0.00 min
Lab File: VL032394.D
Acq: 17 Aug 2018 2:22

Tgt Ion: 117 Resp: 20131
Ion Ratio Lower Upper
117 100
119 64.4 77.2 115.8#
121 25.5 25.1 37.7





#39

1,2-Dichloropropane

Concen: 8.004 ppbv

RT: 7.35 min Scan# 1947

Delta R.T. -0.45 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

Instrument :

MSVOA_L

ClientSampleId :

SS03-MIVIDL

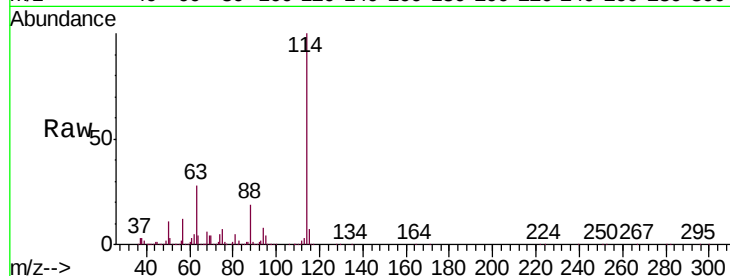
Tgt Ion: 63 Resp: 956050

Ion Ratio Lower Upper

63 100

41 0.2 55.5 83.3#

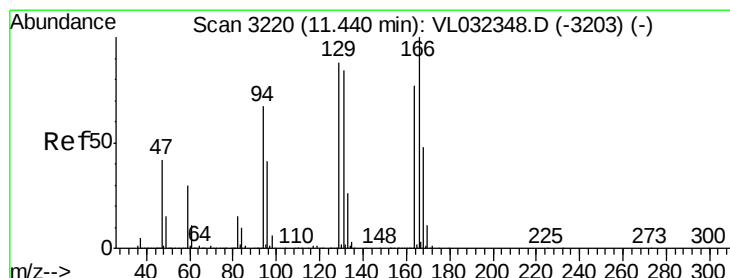
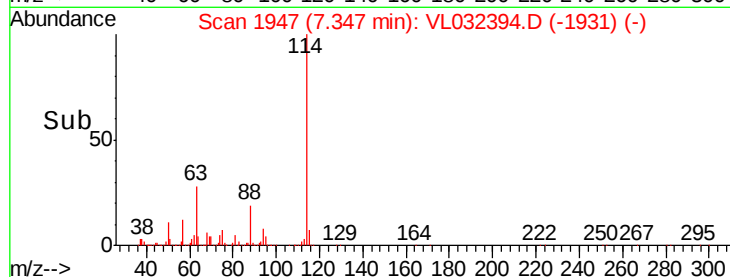
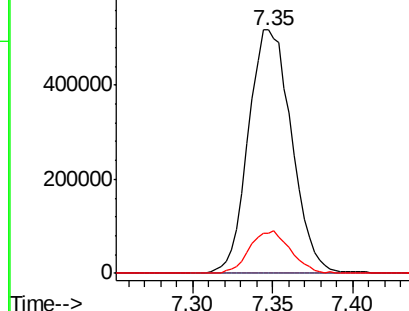
62 16.7 56.3 84.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 6.224 ppbv

RT: 11.44 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

Tgt Ion: 164 Resp: 524837

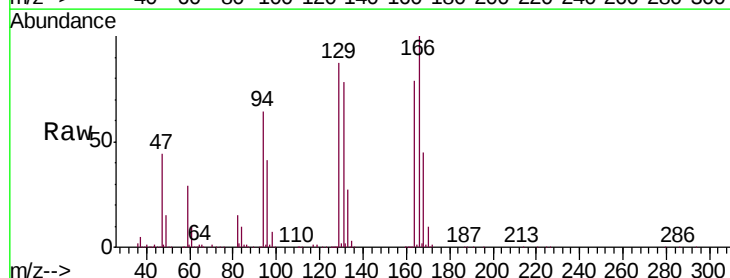
Ion Ratio Lower Upper

164 100

166 126.0 103.5 155.3

129 109.2 90.9 136.3

131 98.5 86.7 130.1

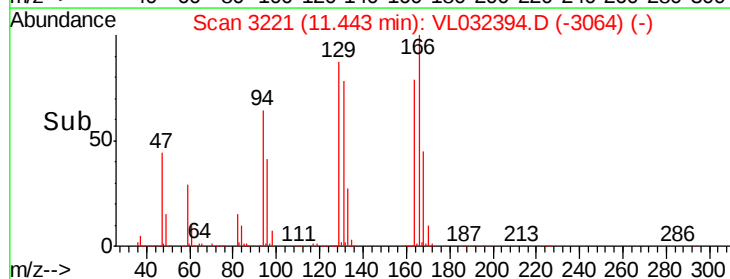
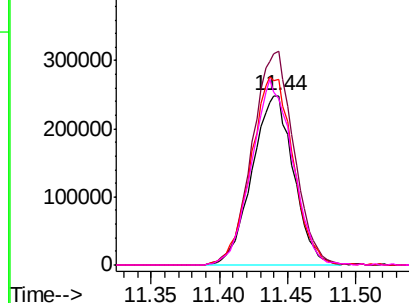


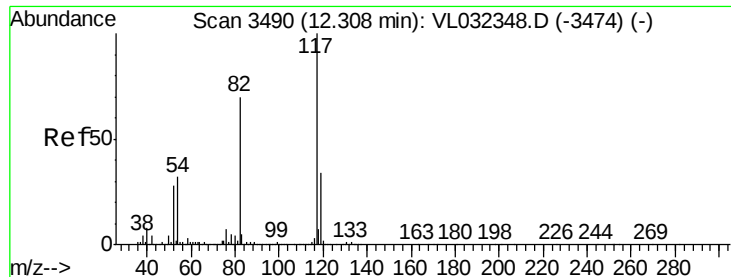
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

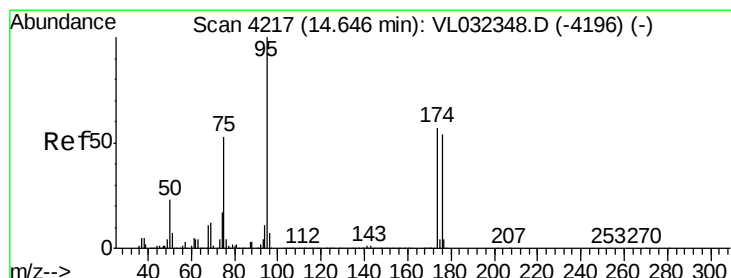
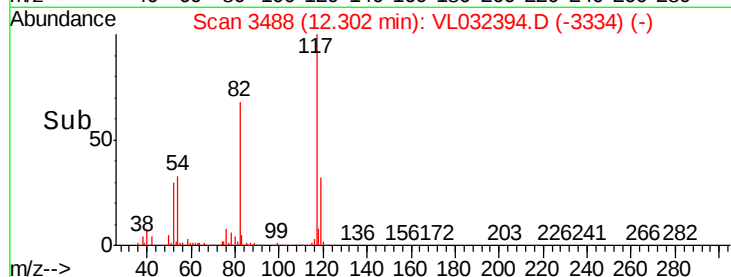
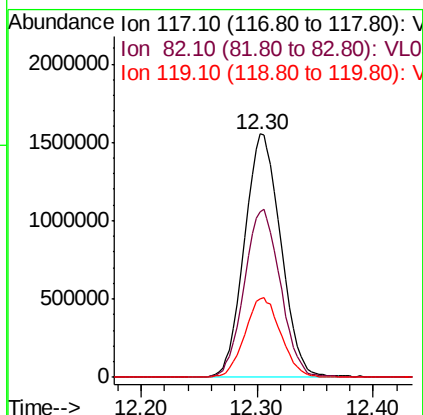
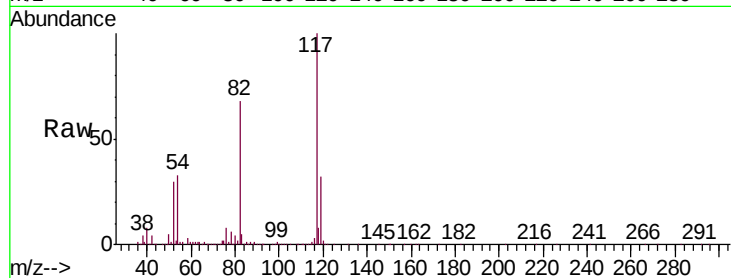




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3488
Delta R.T. -0.01 min
Lab File: VL032394.D
Acq: 17 Aug 2018 2:22

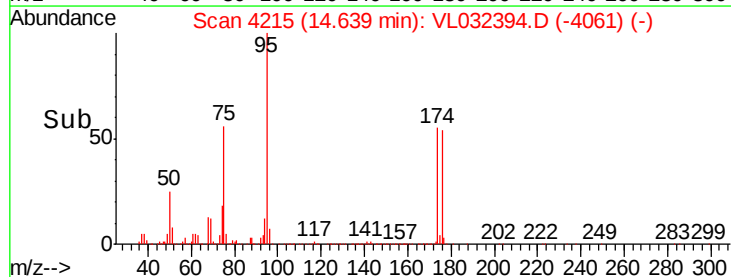
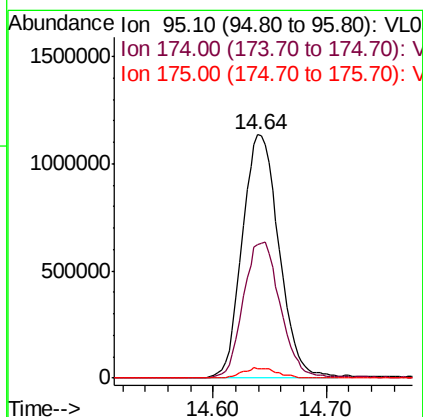
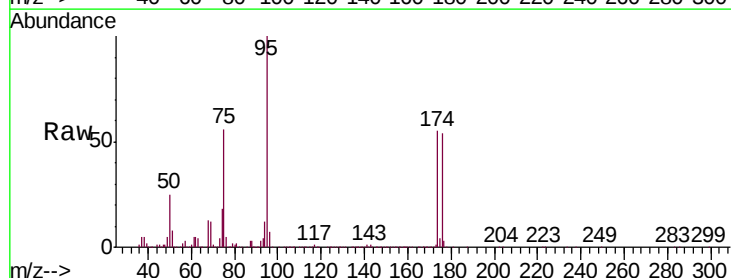
Instrument :
MSVOA_L
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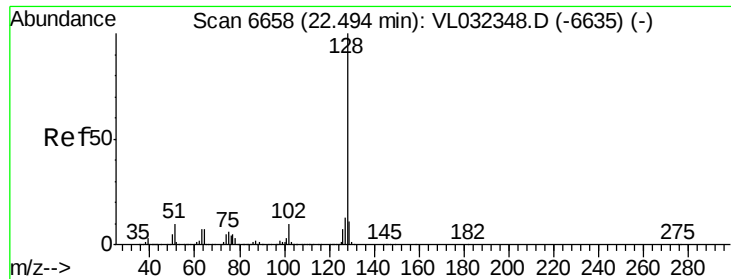
Tgt Ion: 117 Resp: 3387547
Ion Ratio Lower Upper
117 100
82 68.6 55.1 82.7
119 32.5 46.0 69.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.949 ppbv
RT: 14.64 min Scan# 4215
Delta R.T. -0.01 min
Lab File: VL032394.D
Acq: 17 Aug 2018 2:22

Tgt Ion: 95 Resp: 2571393
Ion Ratio Lower Upper
95 100
174 57.1 46.2 69.4
175 4.1 3.4 5.0





#79

Naphthalene

Concen: 0.328 ppbv

RT: 22.48 min Scan# 6655

Delta R.T. -0.01 min

Lab File: VL032394.D

Acq: 17 Aug 2018 2:22

Instrument :

MSVOA_L

ClientSampleId :

SS03-MIVIDL

Tgt Ion:128 Resp: 321

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

