

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Quantitation Report (Not Reviewed)

Data File : VL032928.D
Acq On : 7 Dec 2018 10:28
Operator : SY/AP
Sample : VL1207ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABL01

Quant Time: Dec 08 01:57:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1105088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2934515	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2763277	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2062482	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

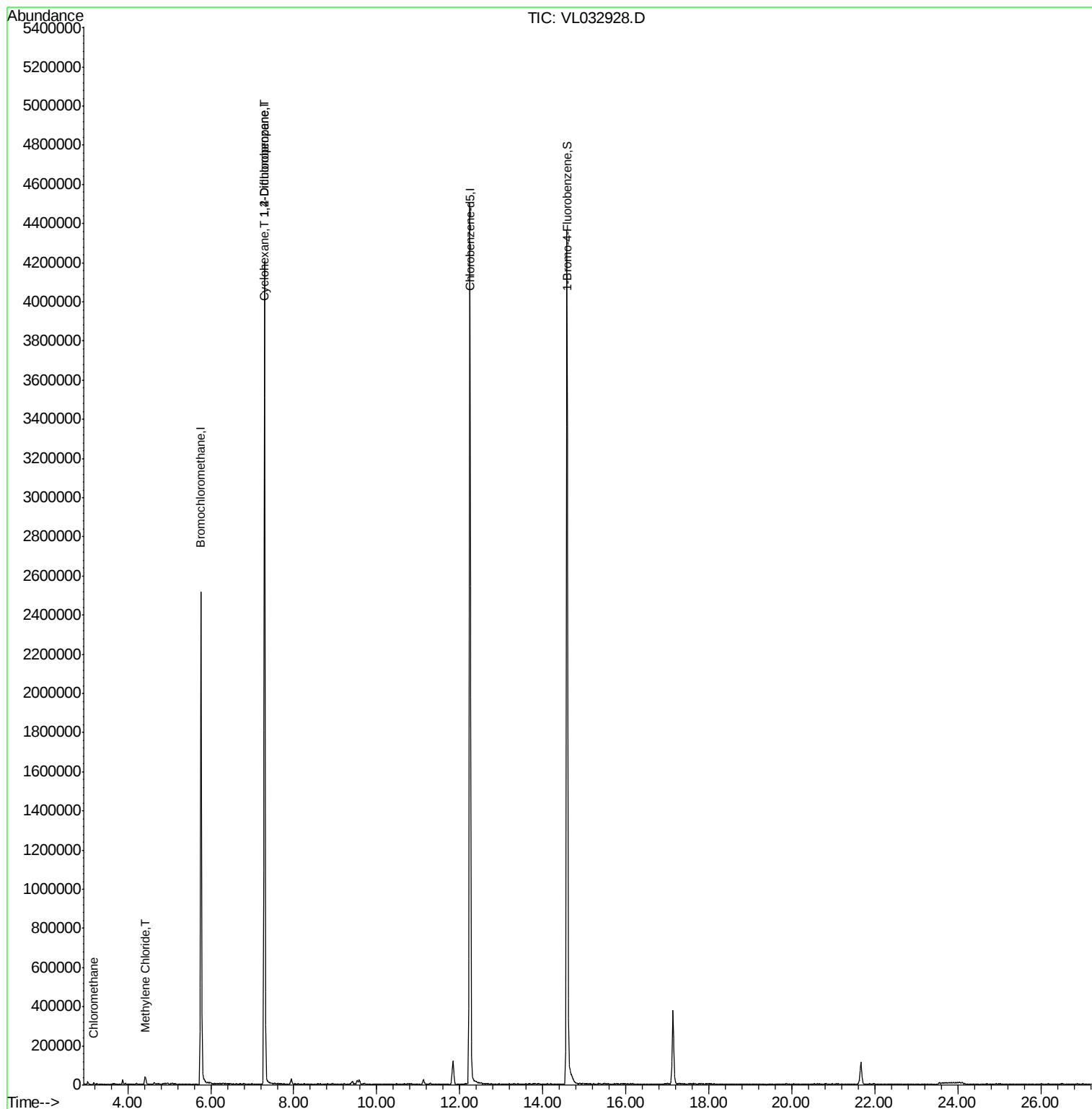
Target Compounds					Qvalue
4) Chloromethane	3.18	50	6832	0.140 ppbv	93
20) Methylene Chloride	4.41	84	11439	0.247 ppbv #	83
30) Cyclohexane	7.28	84	8123	0.095 ppbv #	1
39) 1,2-Dichloropropane	7.29	63	725860	8.867 ppbv #	21

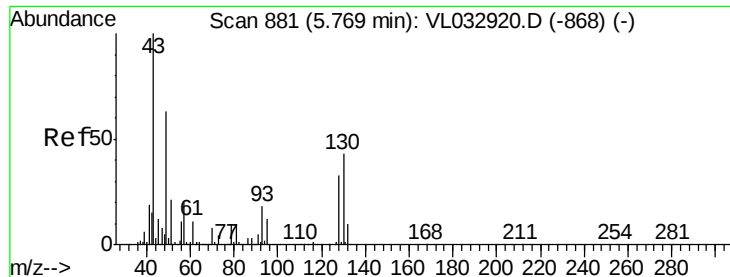
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032928.D

Acq: 7 Dec 2018 10:28

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABL01

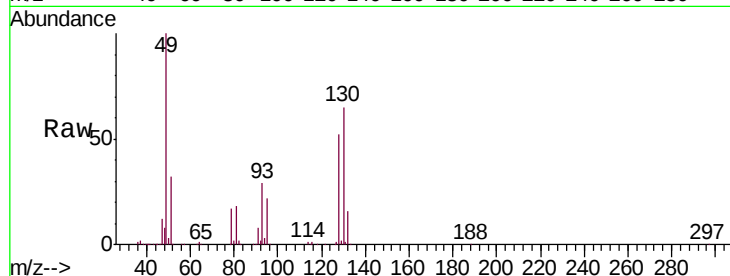
Tgt Ion: 49 Resp: 1105088

Ion Ratio Lower Upper

49 100

128 52.9 26.3 78.8

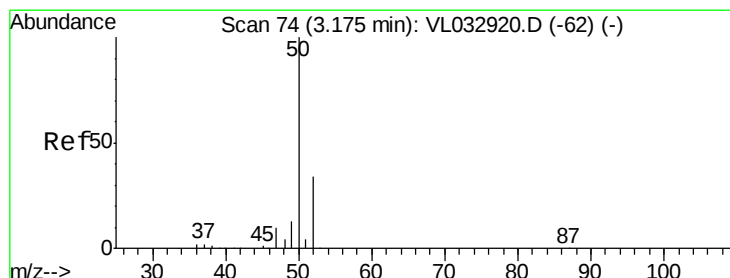
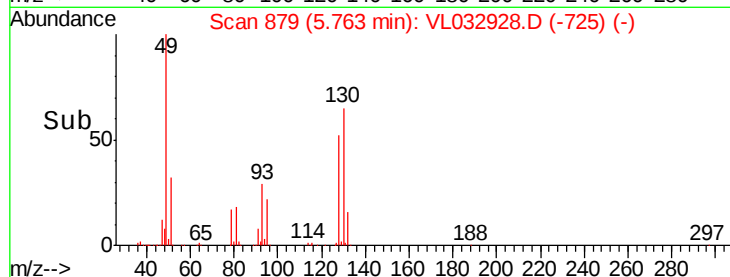
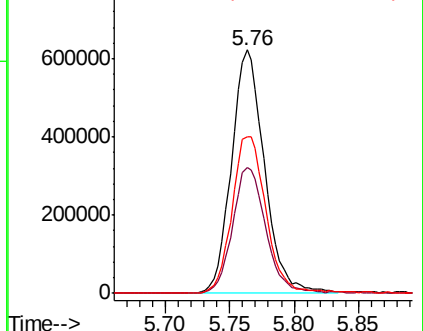
130 67.2 33.9 101.7



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



#4

Chloromethane

Concen: 0.140 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032928.D

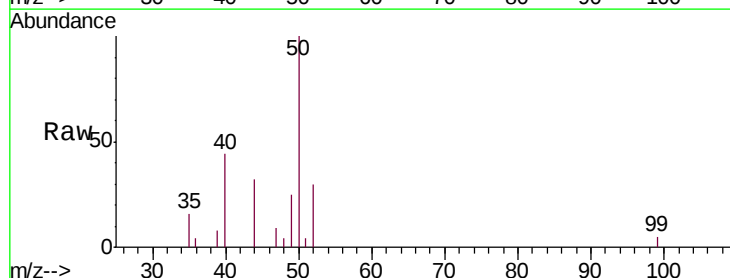
Acq: 7 Dec 2018 10:28

Tgt Ion: 50 Resp: 6832

Ion Ratio Lower Upper

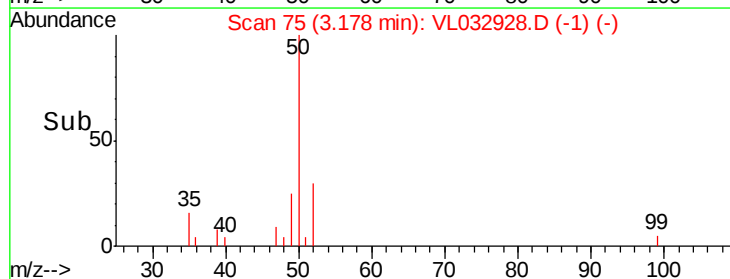
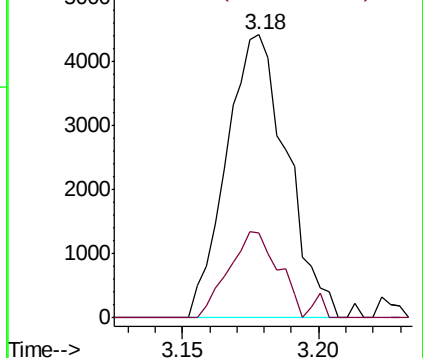
50 100

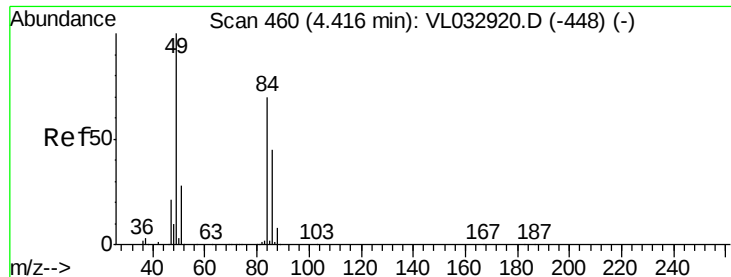
52 30.2 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#20

Methylene Chloride

Concen: 0.247 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032928.D

Acq: 7 Dec 2018 10:28

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABL01

Tgt Ion: 84 Resp: 11439

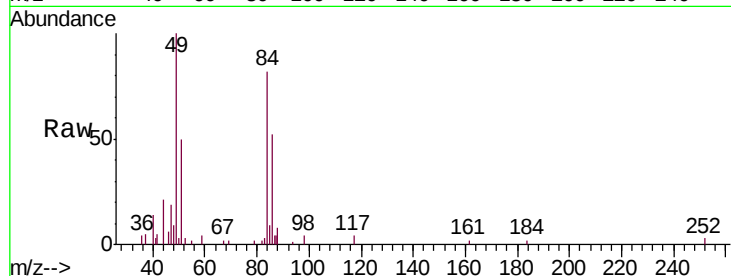
Ion Ratio Lower Upper

84 100

49 119.3 113.8 170.8

51 60.4 31.8 47.8#

86 61.6 50.8 76.2

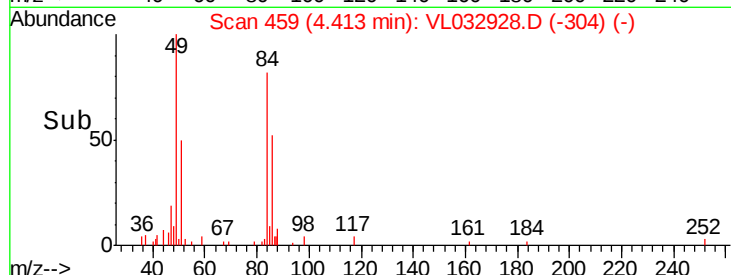
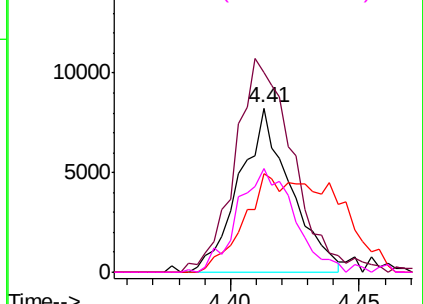


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#30

Cyclohexane

Concen: 0.095 ppbv

RT: 7.28 min Scan# 1350

Delta R.T. 0.02 min

Lab File: VL032928.D

Acq: 7 Dec 2018 10:28

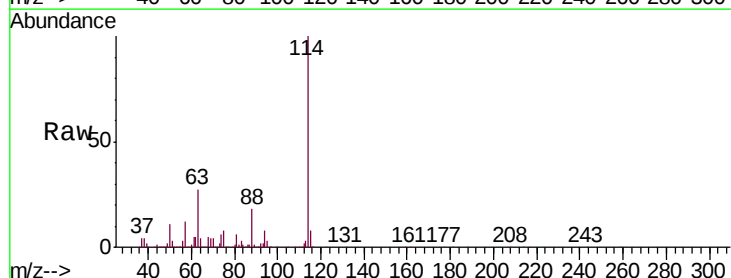
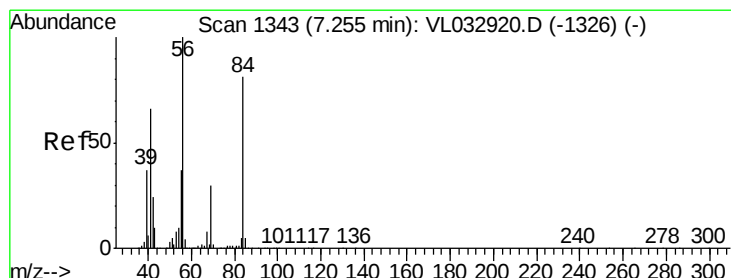
Tgt Ion: 84 Resp: 8123

Ion Ratio Lower Upper

84 100

56 0.0 102.5 153.7#

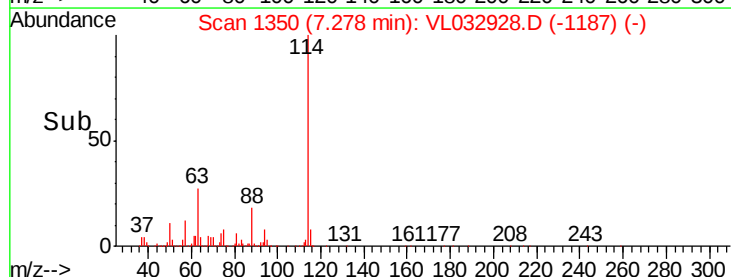
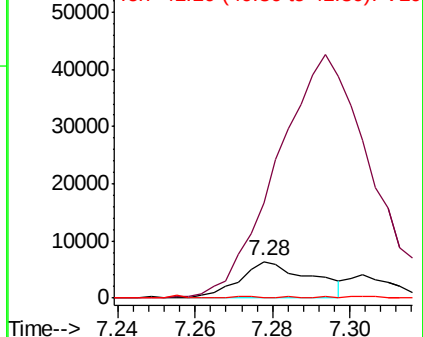
41 0.8 64.1 96.1#

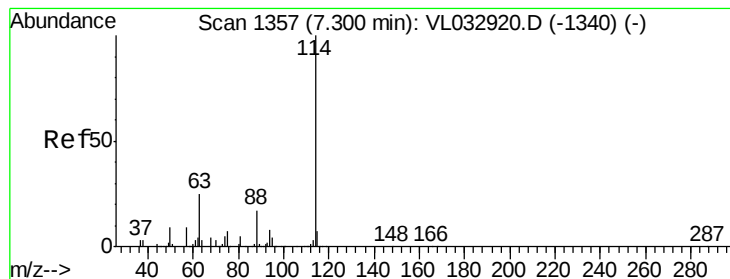


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032928.D

Acq: 7 Dec 2018 10:28

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABL01

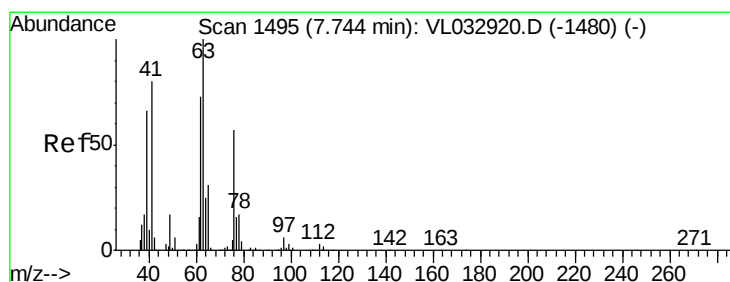
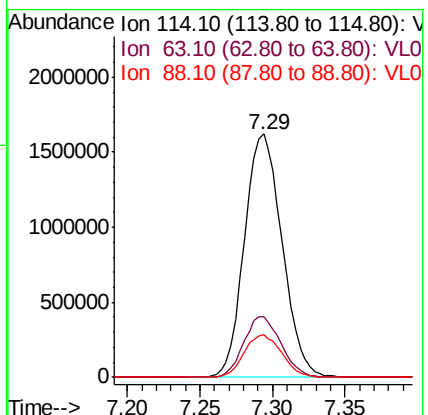
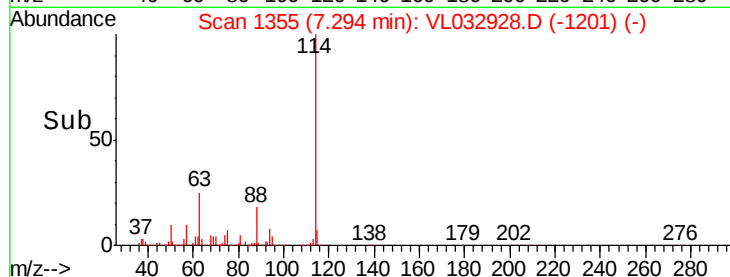
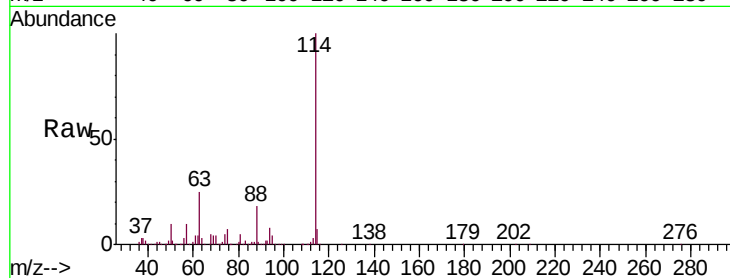
Tgt Ion:114 Resp: 2934515

Ion Ratio Lower Upper

114 100

63 24.8 20.1 30.1

88 17.7 14.2 21.4



#39

1,2-Dichloropropane

Concen: 8.867 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032928.D

Acq: 7 Dec 2018 10:28

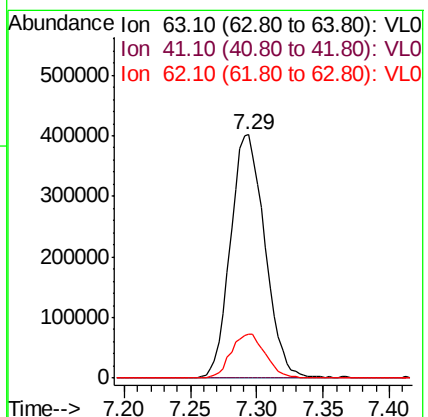
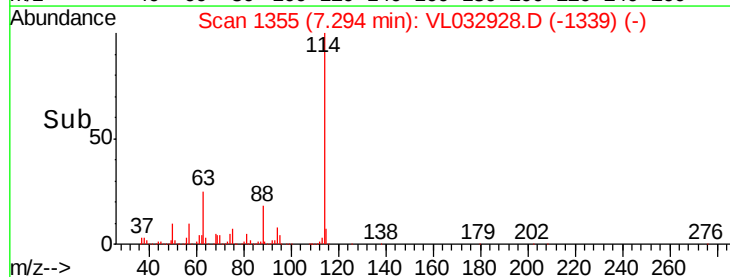
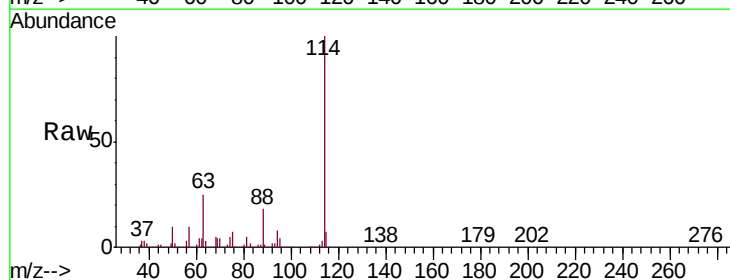
Tgt Ion: 63 Resp: 725860

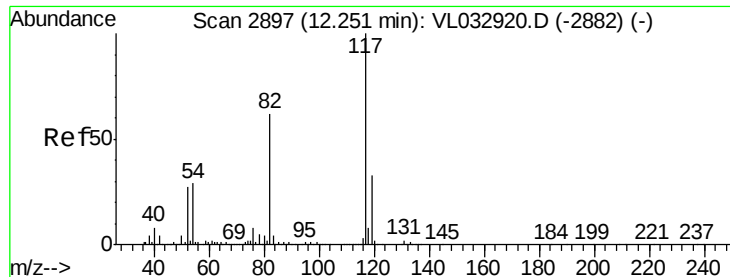
Ion Ratio Lower Upper

63 100

41 0.1 63.9 95.9#

62 18.0 58.8 88.2#

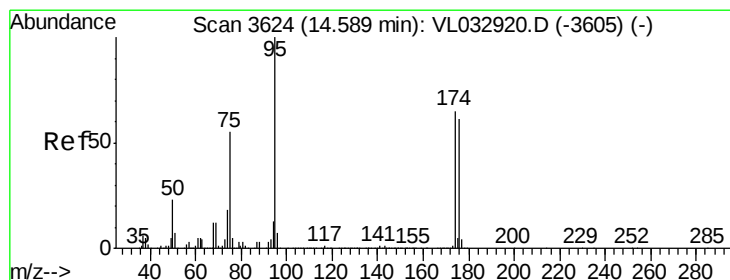
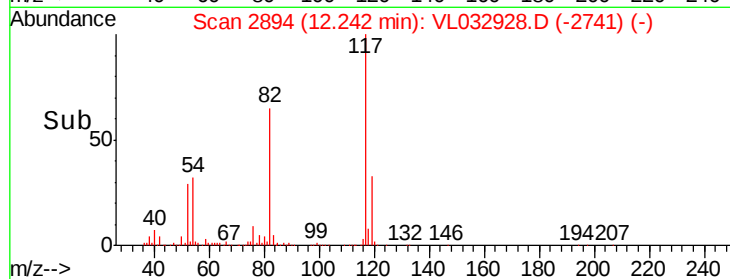
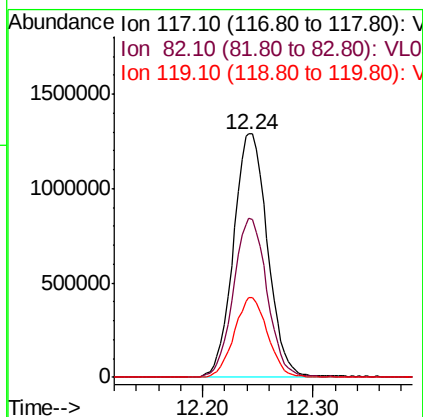
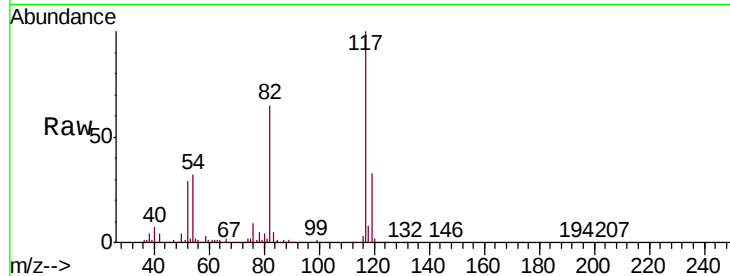




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032928.D
Acq: 7 Dec 2018 10:28

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABL01

Tgt Ion: 117 Resp: 2763277
Ion Ratio Lower Upper
117 100
82 64.9 47.8 71.8
119 32.3 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.103 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032928.D
Acq: 7 Dec 2018 10:28

Tgt Ion: 95 Resp: 2062482
Ion Ratio Lower Upper
95 100
174 65.8 51.4 77.0
175 4.7 3.8 5.6

