

Data File : VL032264.D
Acq On : 18 Jul 2018 12:34
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Jul 18 12:58:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 09:58:24 2018
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1767657	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3662472	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4023886	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3357703	10.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	12626	0.050	ppbv	89
3) Chlorodifluoromethane	3.07	51	8181	0.038	ppbv	95
8) Dichlorotetrafluoroethane	3.27	85	8839	0.032	ppbv	97
20) Methylene Chloride	4.47	84	4637	0.067	ppbv #	57
21) Allyl Chloride	4.54	41	4033	0.034	ppbv #	51
24) 1,1-Dichloroethane	5.16	63	7546	0.032	ppbv #	89
39) 1,2-Dichloropropane	7.37	63	1024358	7.082	ppbv #	26

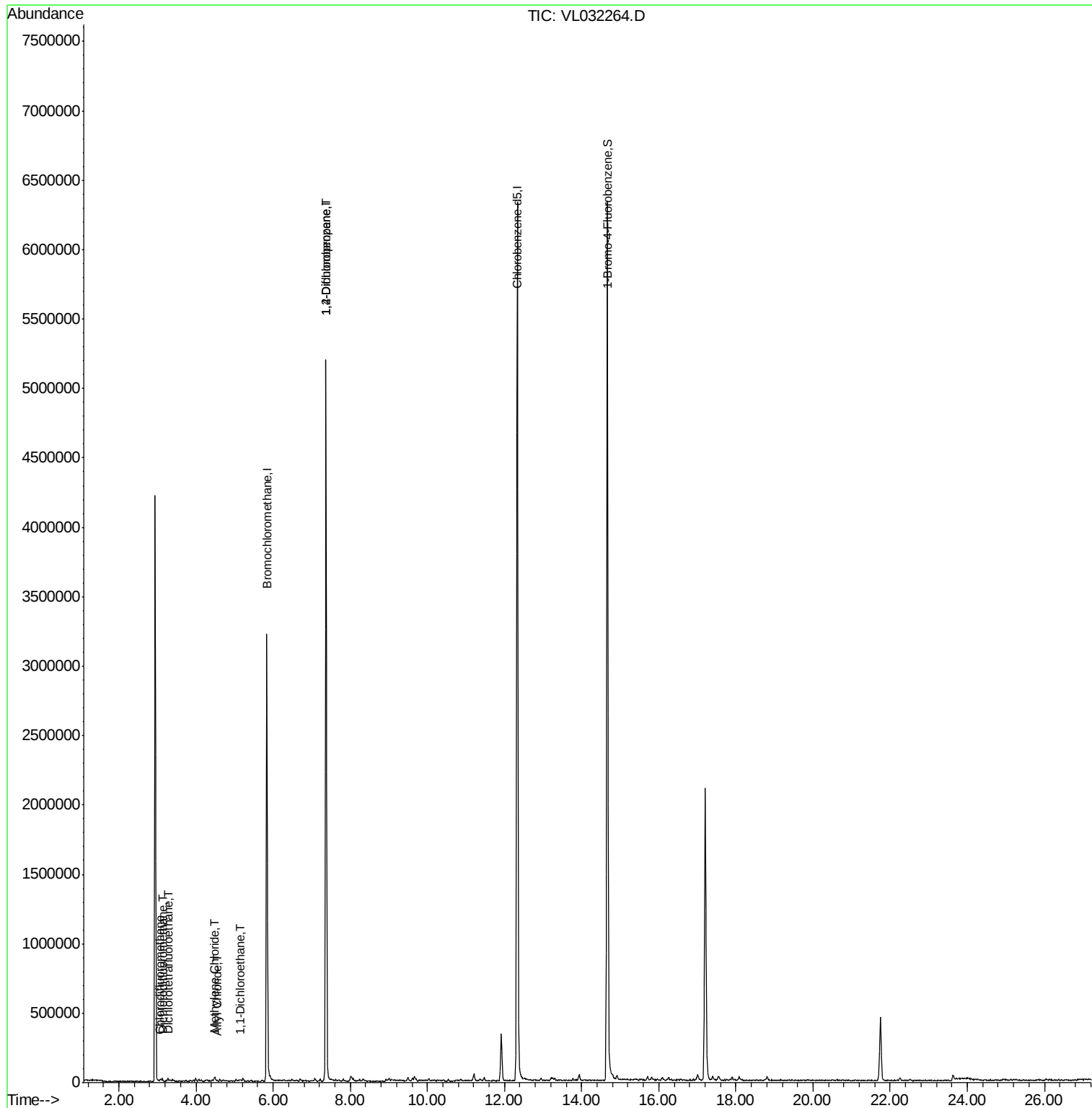
(#) = qualifier out of range (m) = manual integration (+) = signals summed

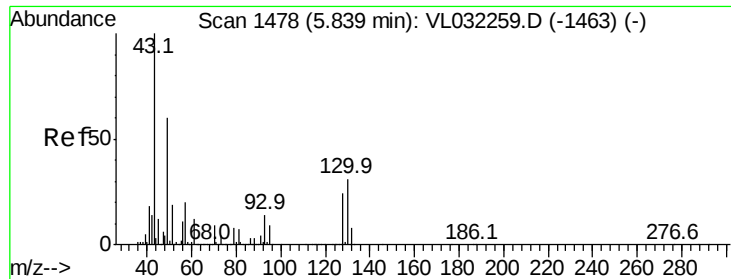
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QLast Update : Wed Jul 18 09:58:24 2018
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

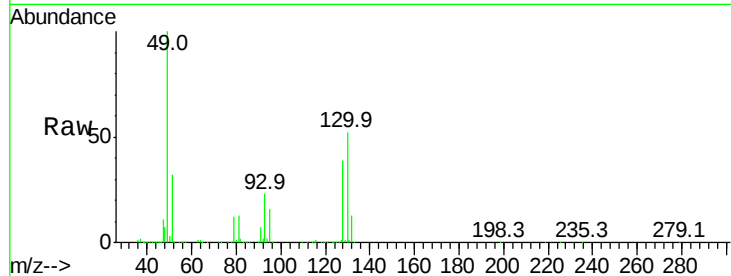
Tgt Ion: 49 Resp: 1767657

Ion Ratio Lower Upper

49 100

128 40.1 20.1 60.2

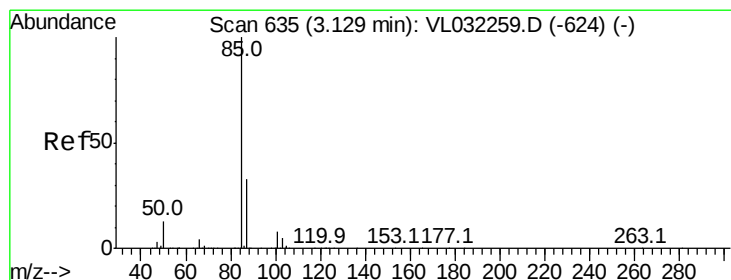
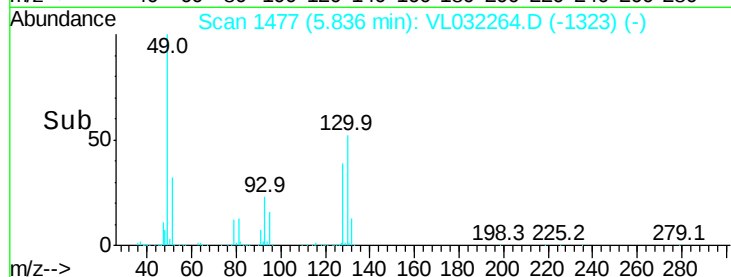
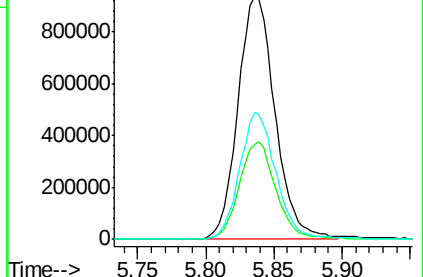
130 52.0 25.9 77.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.050 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032264.D

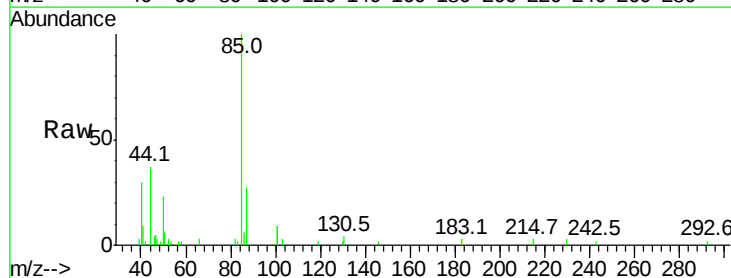
Acq: 18 Jul 2018 12:34

Tgt Ion: 85 Resp: 12626

Ion Ratio Lower Upper

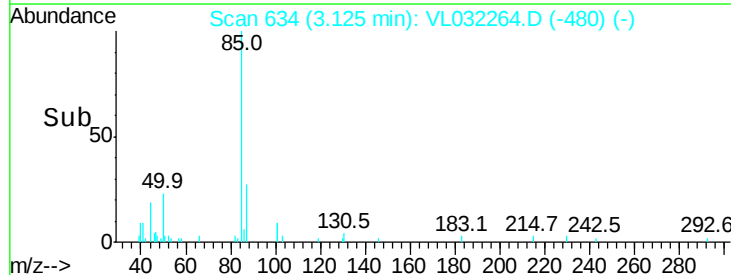
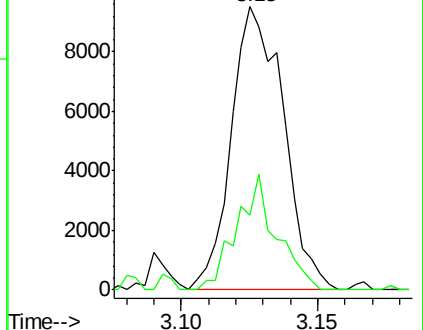
85 100

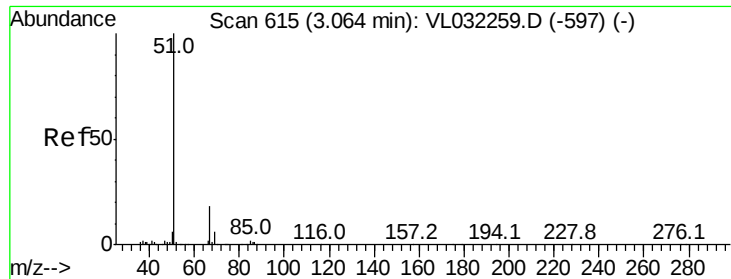
87 26.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

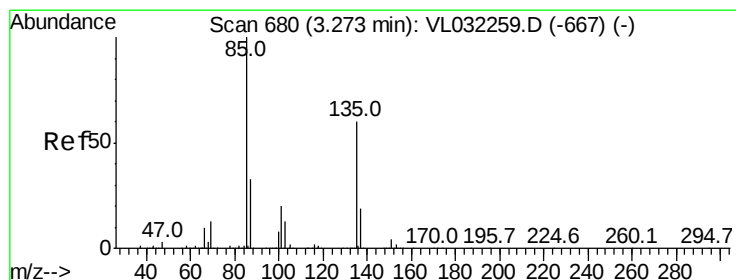
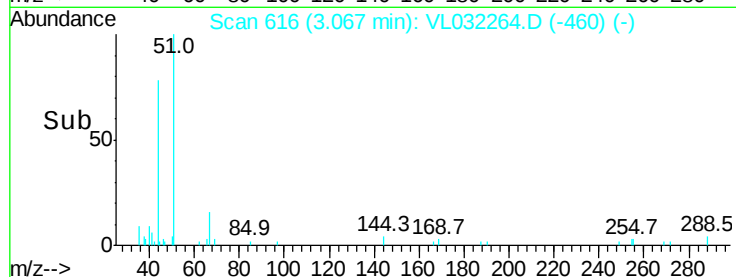
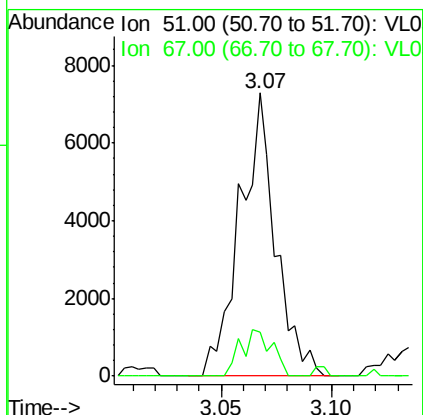
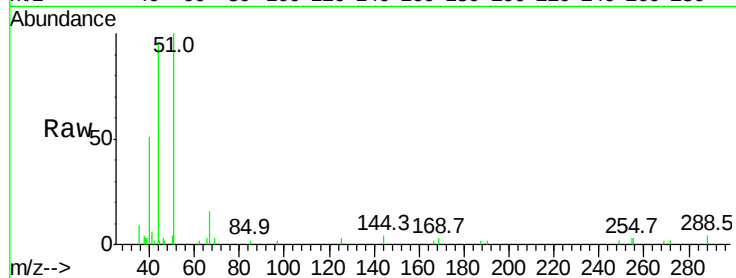




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032264.D
Acq: 18 Jul 2018 12:34

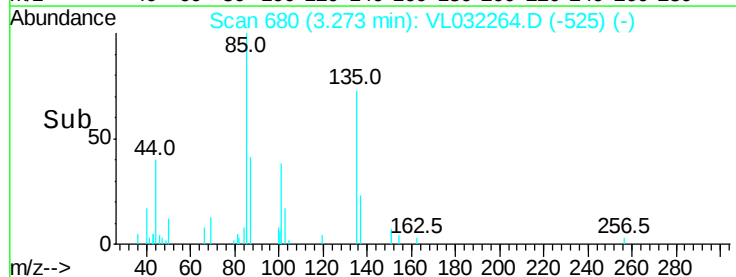
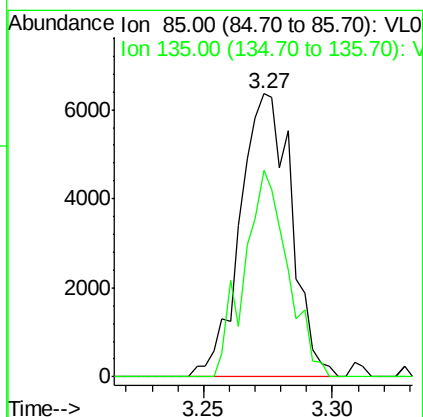
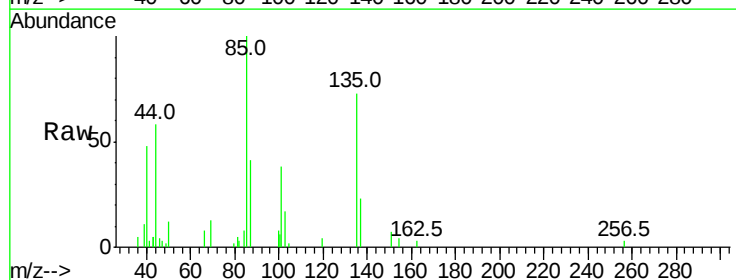
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

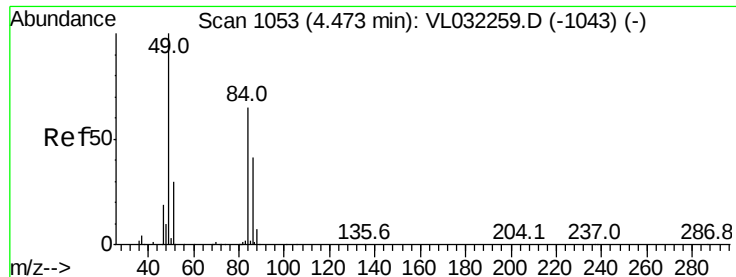
Tgt Ion: 51 Resp: 8181
Ion Ratio Lower Upper
51 100
67 15.4 14.2 21.4



#8
Dichlorotetrafluoroethane
Concen: 0.032 ppbv
RT: 3.27 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL032264.D
Acq: 18 Jul 2018 12:34

Tgt Ion: 85 Resp: 8839
Ion Ratio Lower Upper
85 100
135 62.0 47.8 71.8

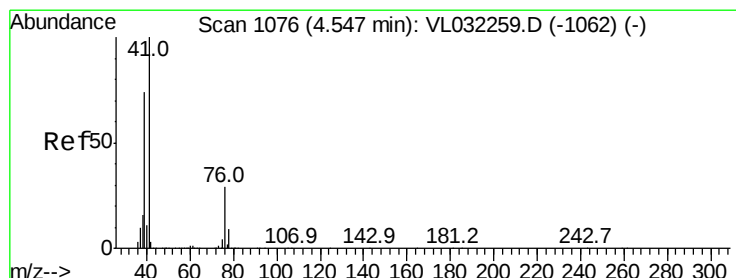
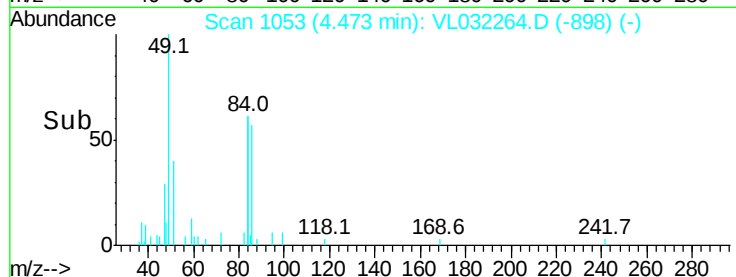
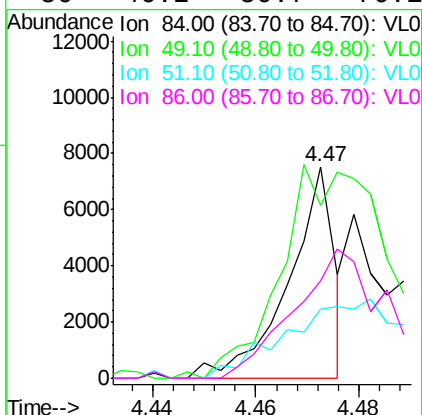
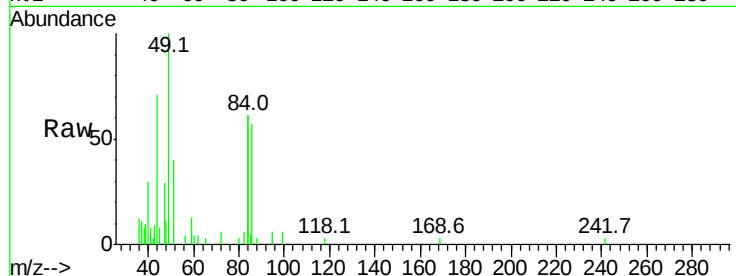




#20
Methylene Chloride
Concen: 0.067 ppbv
RT: 4.47 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VL032264.D
Acq: 18 Jul 2018 12:34

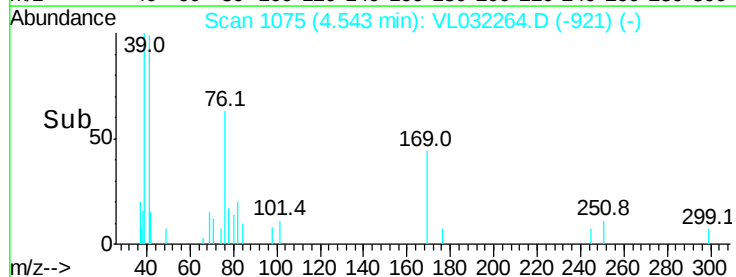
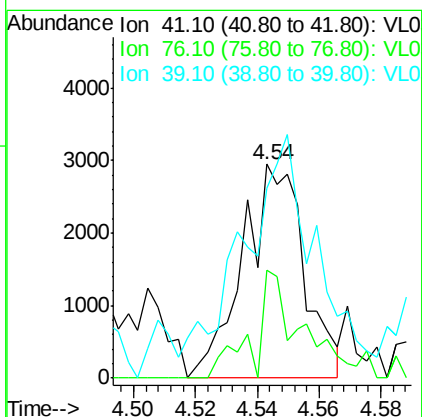
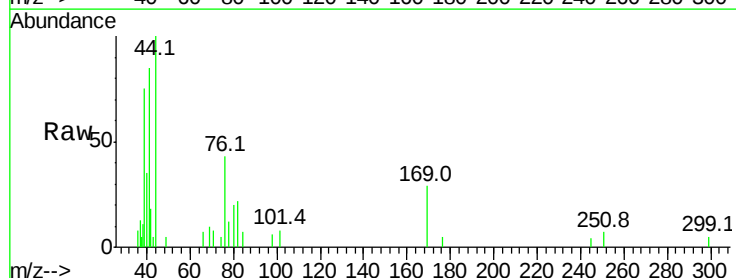
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

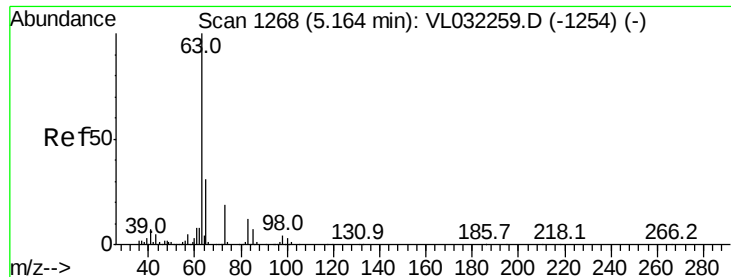
Tgt Ion:	84	Resp:	4637
Ion	Ratio	Lower	Upper
84	100		
49	78.6	122.4	183.6#
51	32.7	36.8	55.2#
86	46.2	50.7	76.1#



#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 4.54 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VL032264.D
Acq: 18 Jul 2018 12:34

Tgt Ion:	41	Resp:	4033
Ion	Ratio	Lower	Upper
41	100		
76	42.3	23.0	34.6#
39	124.8	60.2	90.4#





#24

1,1-Dichloroethane

Concen: 0.032 ppbv

RT: 5.16 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

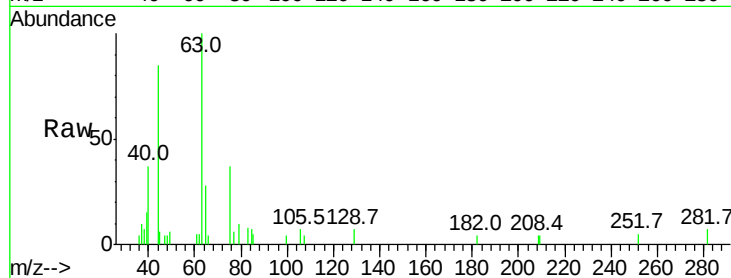
Tgt Ion: 63 Resp: 7546

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.3#

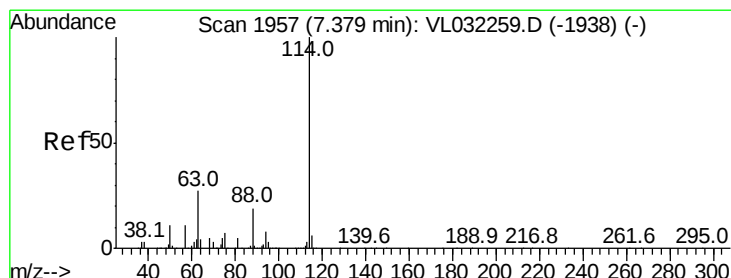
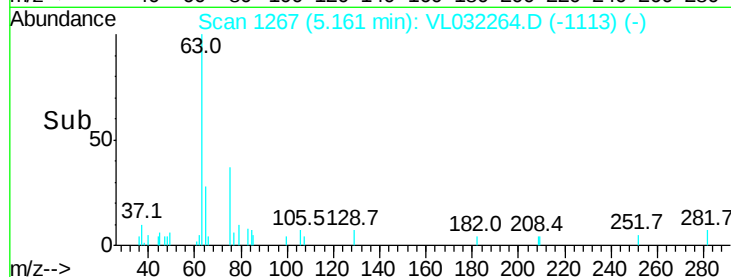
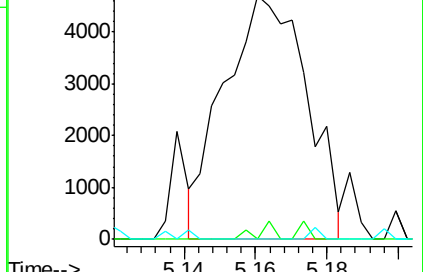
100 0.0 1.3 3.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.37 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

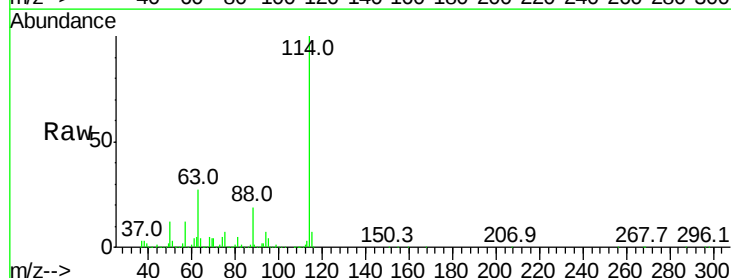
Tgt Ion: 114 Resp: 3662472

Ion Ratio Lower Upper

114 100

63 28.1 22.6 33.8

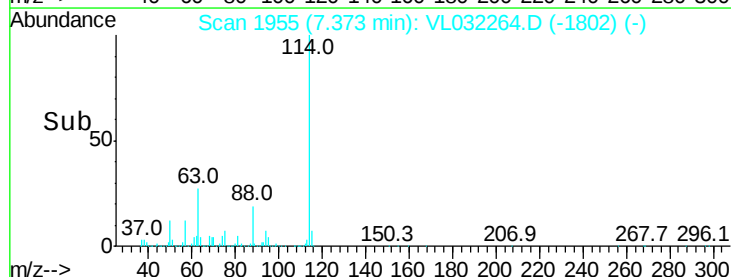
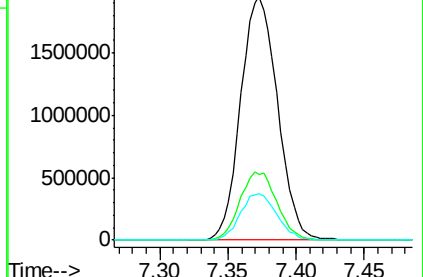
88 19.0 15.2 22.8

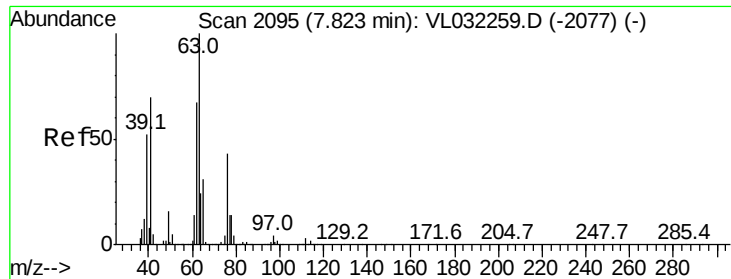


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.082 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.45 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

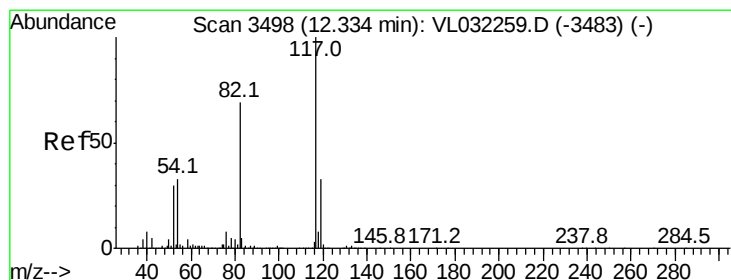
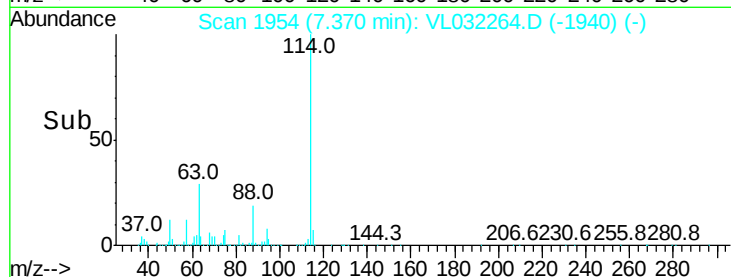
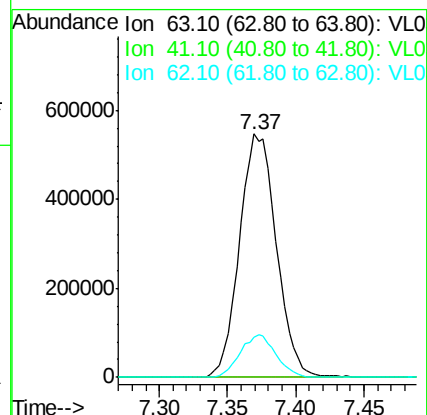
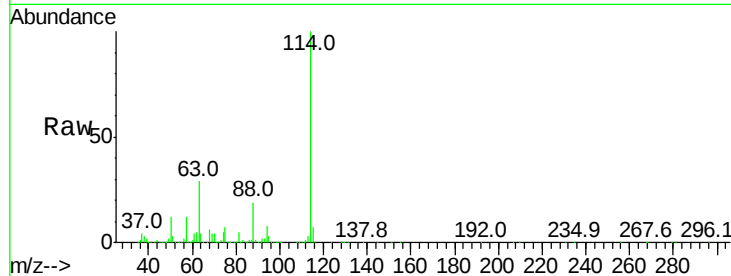
Tgt Ion: 63 Resp: 1024358

Ion Ratio Lower Upper

63 100

41 0.0 55.8 83.6#

62 16.5 53.8 80.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3497

Delta R.T. -0.00 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

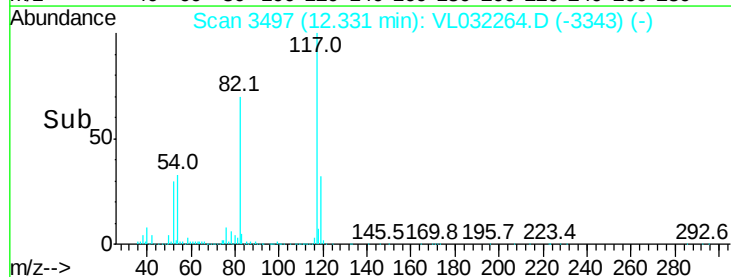
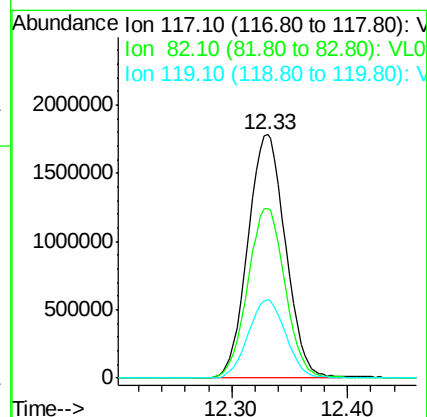
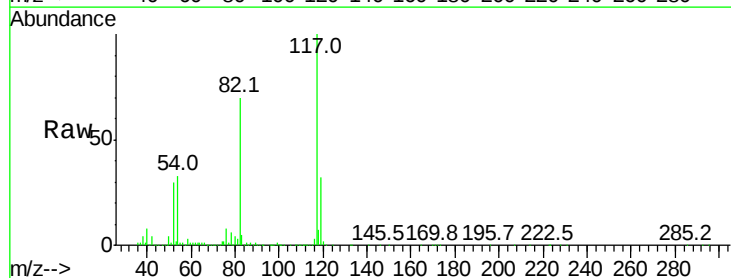
Tgt Ion: 117 Resp: 4023886

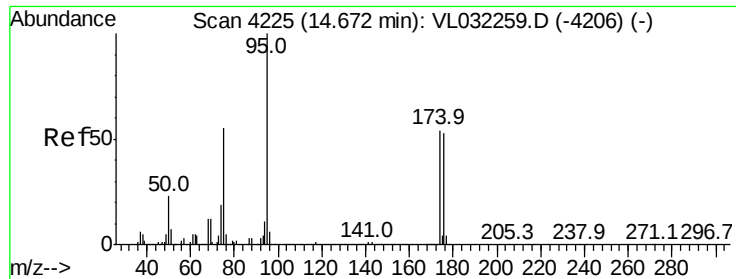
Ion Ratio Lower Upper

117 100

82 69.6 53.9 80.9

119 32.4 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.779 ppbv

RT: 14.67 min Scan# 4223

Delta R.T. -0.01 min

Lab File: VL032264.D

Acq: 18 Jul 2018 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 95 Resp: 3357703

Ion Ratio Lower Upper

95 100

174 55.9 44.3 66.5

175 4.0 3.3 4.9

