

Data File : VL033102.D
Acq On : 16 Jan 2019 21:53
Operator : SY/AP
Sample : CAN 10447
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10447

Quant Time: Jan 17 01:55:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	715198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1503304	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1588953	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1140300	9.36	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	4601	0.057	ppbv #	56
4) Chloromethane	3.17	50	4043	0.087	ppbv	93
13) Ethanol	3.65	45	483	0.040	ppbv	65
15) Acetone	3.92	43	10001	0.101	ppbv	92
20) Methylene Chloride	4.41	84	16774	0.406	ppbv	93
26) Hexane	5.77	57	2944	0.037	ppbv #	1
30) Cyclohexane	7.28	84	4441	0.076	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	386150	8.347	ppbv #	23

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

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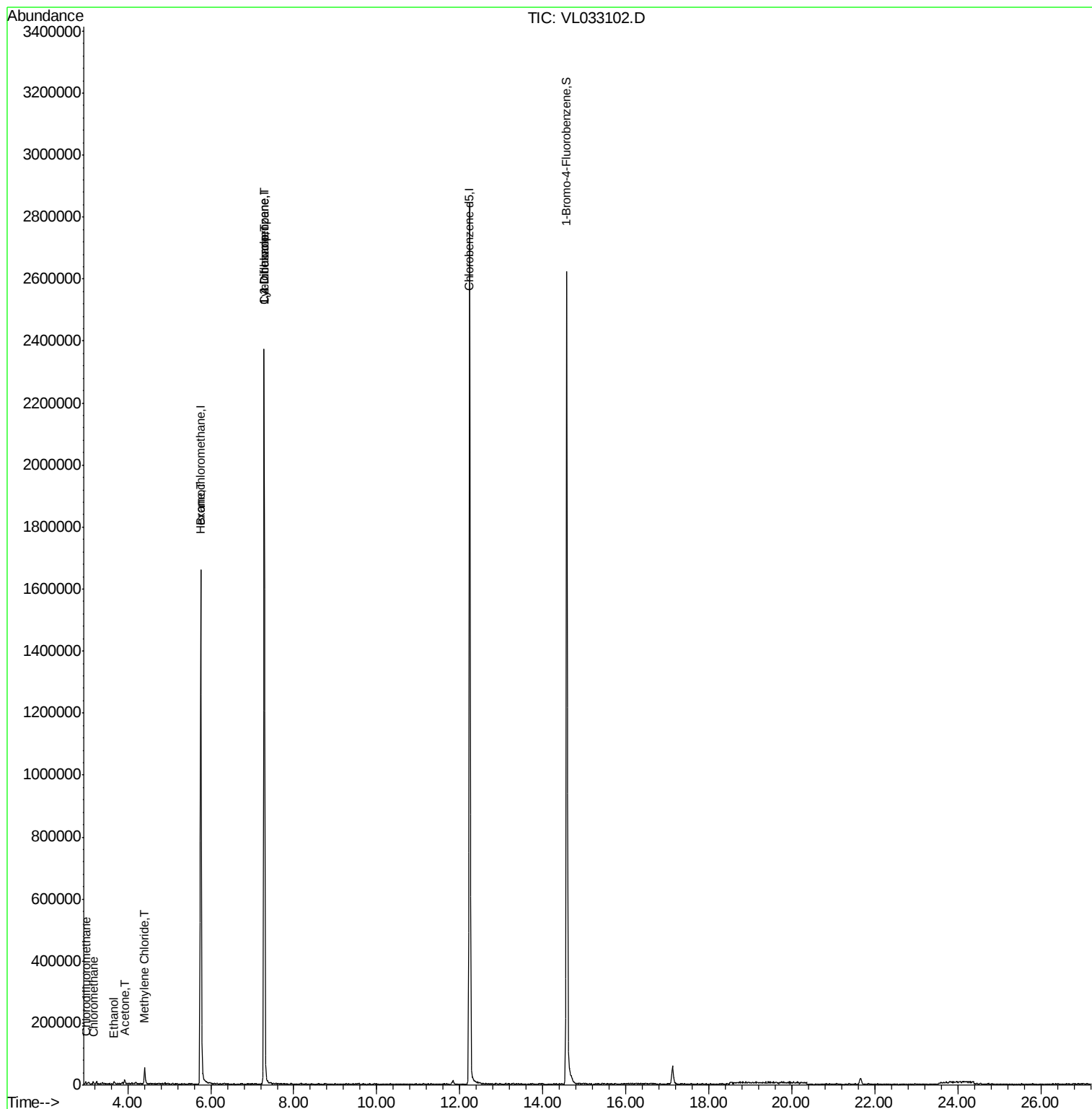
Quant Time: Jan 17 01:55:48 2019

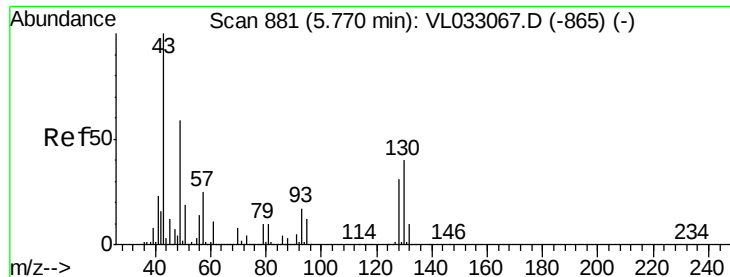
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL010419AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019

QLast Update : Fri Jan 04 16:09:05 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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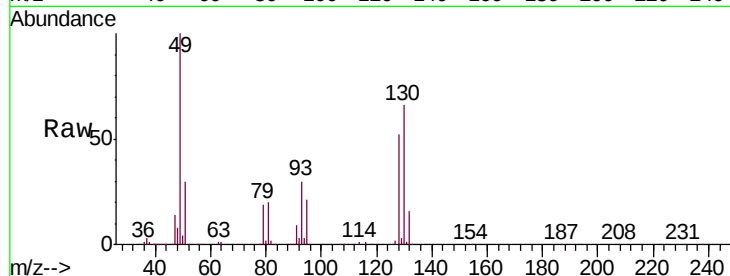
Tgt Ion: 49 Resp: 715198

Ion Ratio Lower Upper

49 100

128 52.2 26.2 78.5

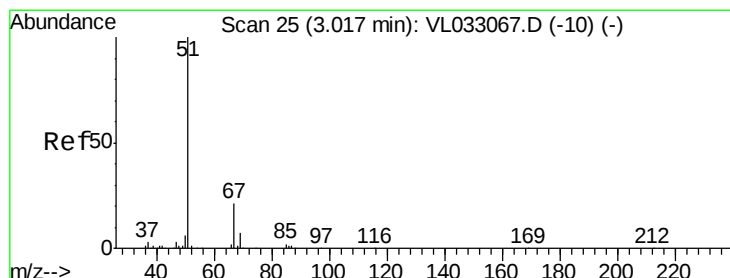
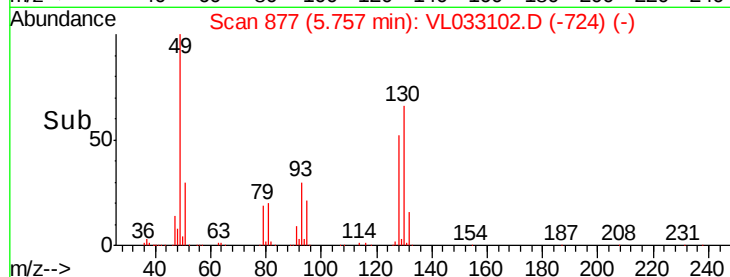
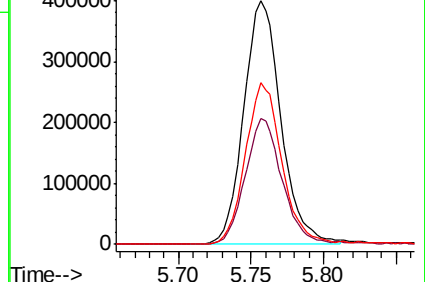
130 66.5 33.6 100.6



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



#3

Chlorodifluoromethane

Concen: 0.057 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.02 min

Lab File: VL033102.D

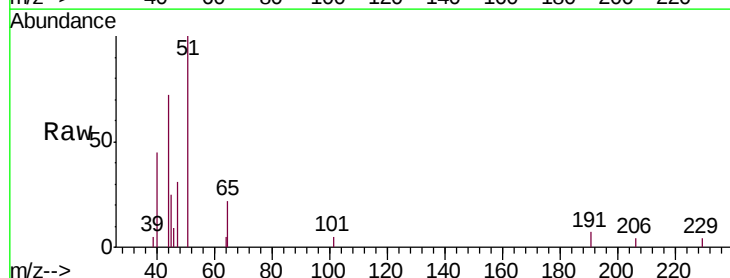
Acq: 16 Jan 2019 21:53

Tgt Ion: 51 Resp: 4601

Ion Ratio Lower Upper

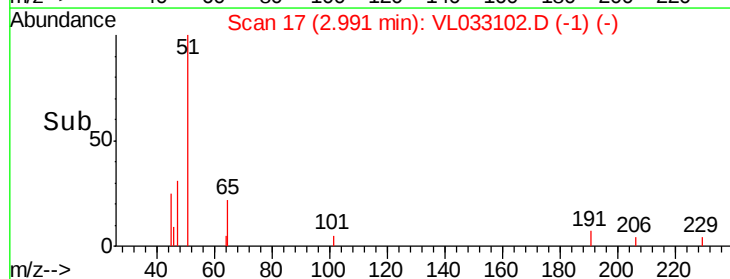
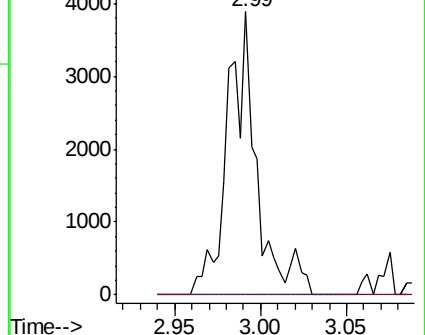
51 100

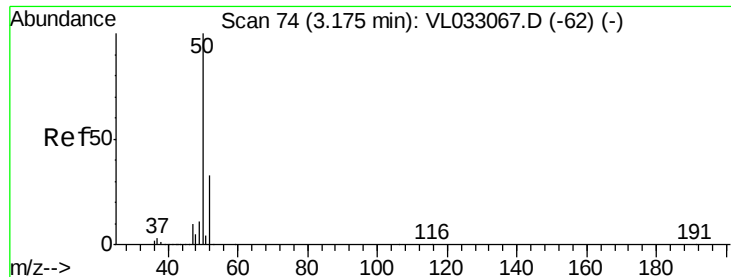
67 0.0 16.3 24.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.087 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

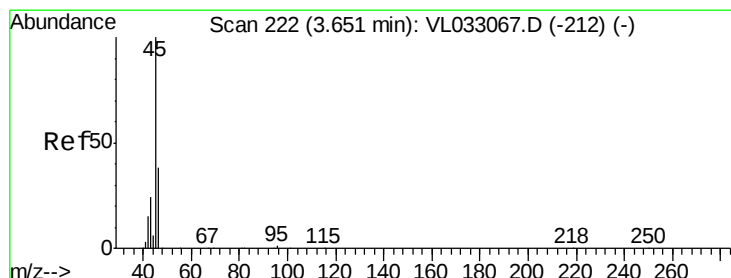
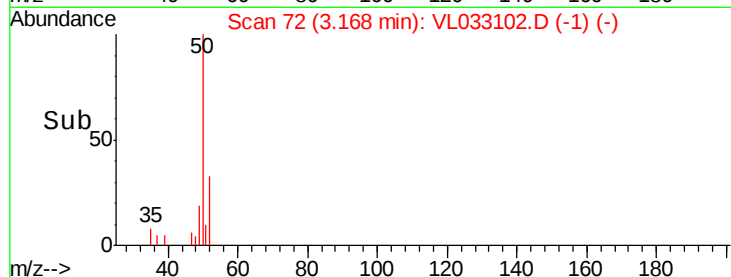
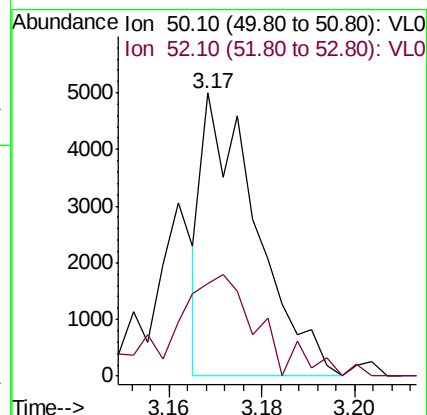
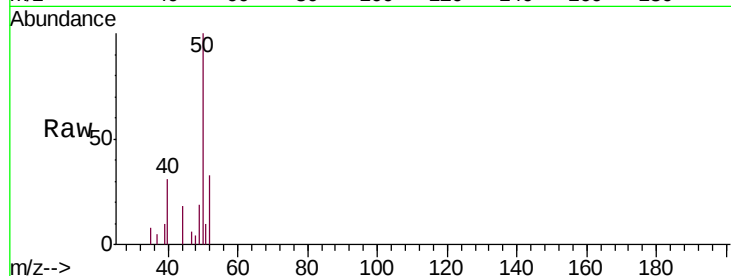
CAN 10447

Tgt Ion: 50 Resp: 4043

Ion Ratio Lower Upper

50 100

52 29.8 26.9 40.3



#13

Ethanol

Concen: 0.040 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033102.D

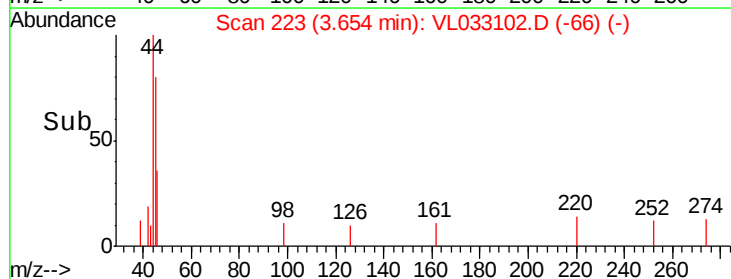
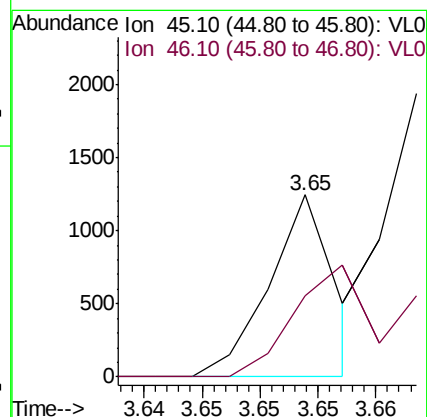
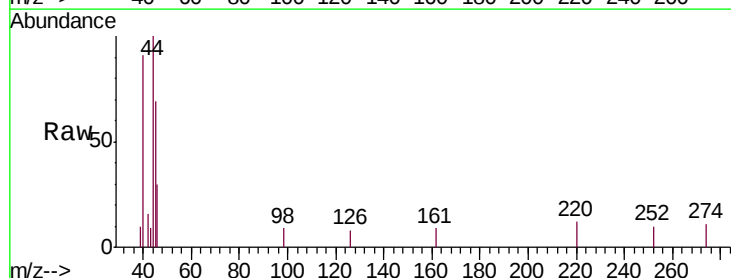
Acq: 16 Jan 2019 21:53

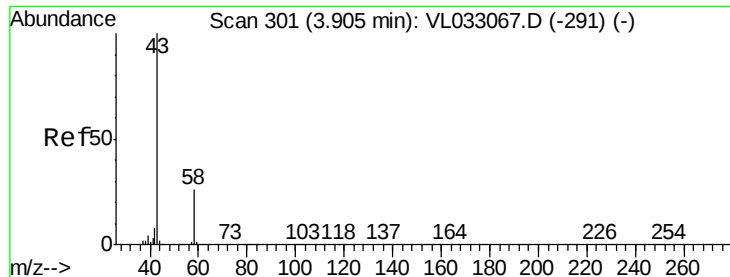
Tgt Ion: 45 Resp: 483

Ion Ratio Lower Upper

45 100

46 14.5 13.8 55.2





#15

Acetone

Concen: 0.101 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033102.D

Acq: 16 Jan 2019 21:53

Instrument :

MSVOA_L

ClientSampleId :

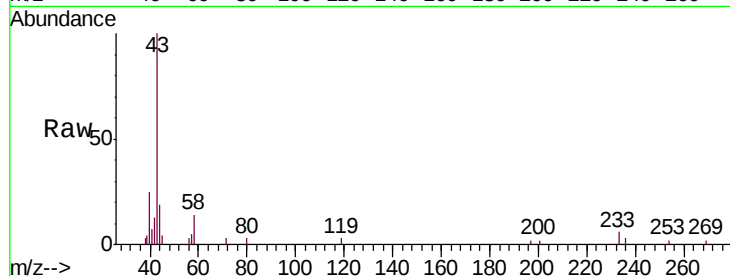
CAN 10447

Tgt Ion: 43 Resp: 10001

Ion Ratio Lower Upper

43 100

58 30.7 21.1 31.7



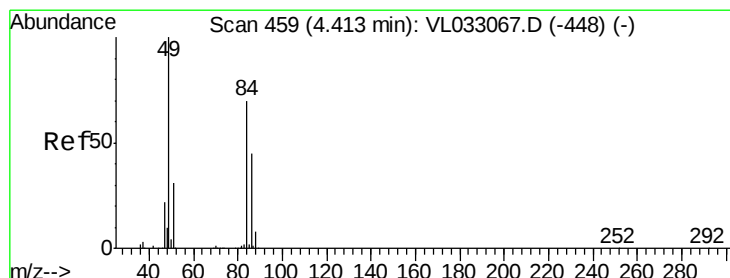
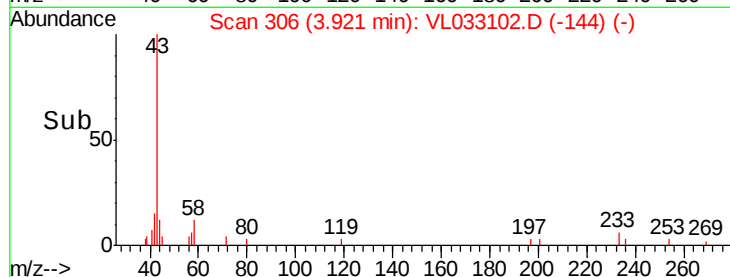
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

3.95

Time-->



#20

Methylene Chloride

Concen: 0.406 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033102.D

Acq: 16 Jan 2019 21:53

Tgt Ion: 84 Resp: 16774

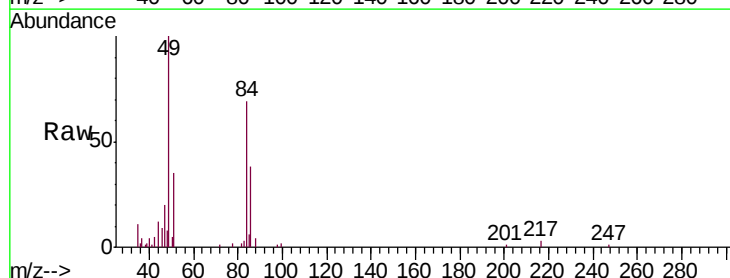
Ion Ratio Lower Upper

84 100

49 139.5 115.8 173.6

51 48.9 35.7 53.5

86 51.5 49.7 74.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

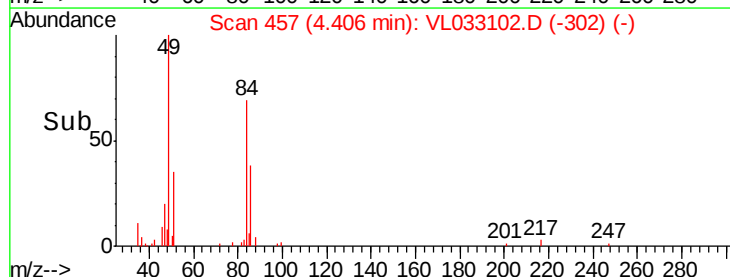
Ion 51.10 (50.80 to 51.80): VL0

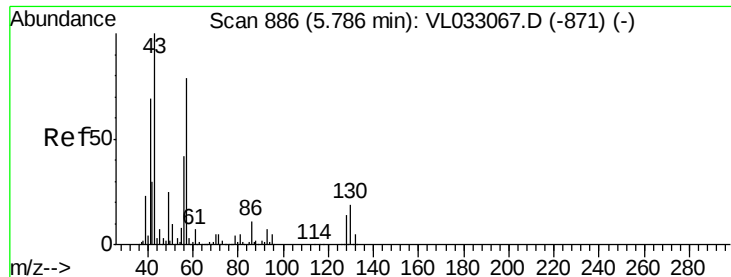
Ion 86.00 (85.70 to 86.70): VL0

4.41

4.45

Time-->

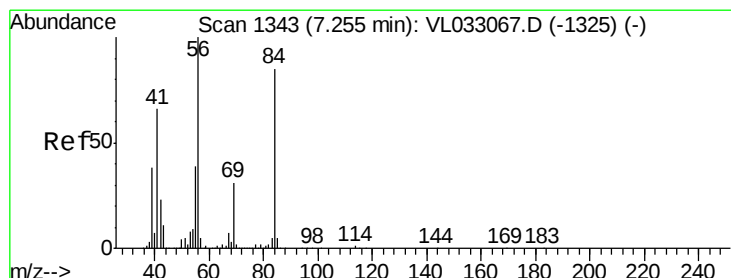
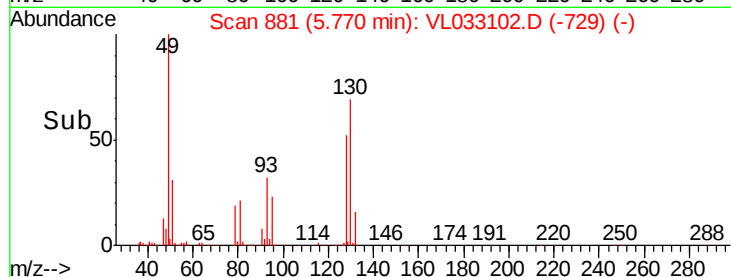
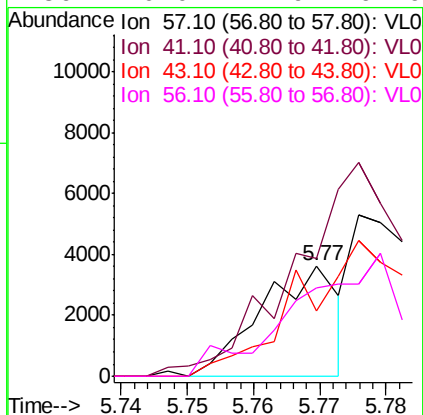
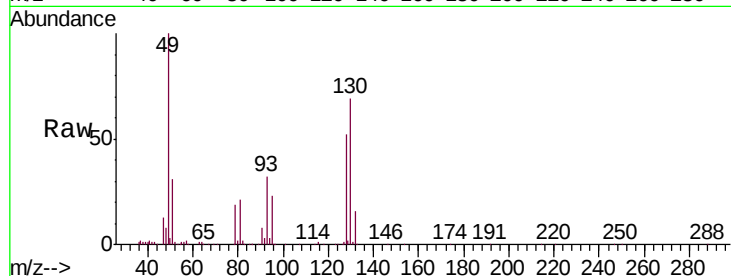




#26
Hexane
Concen: 0.037 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033102.D
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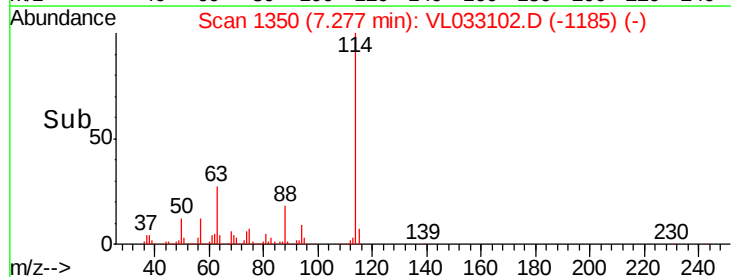
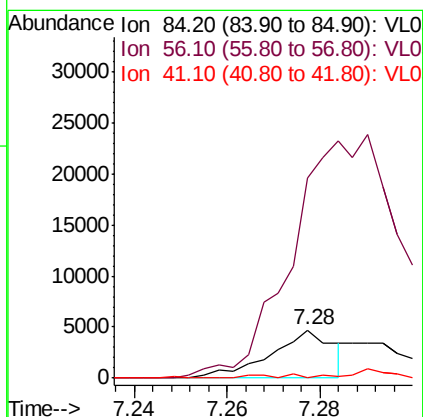
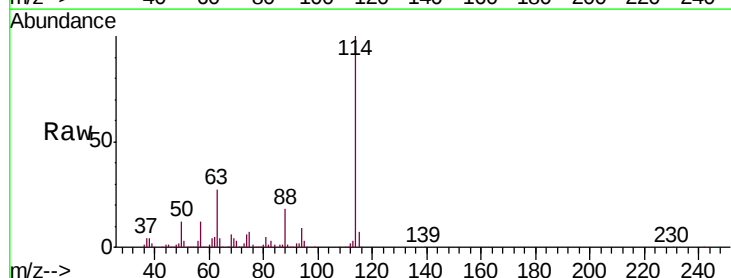
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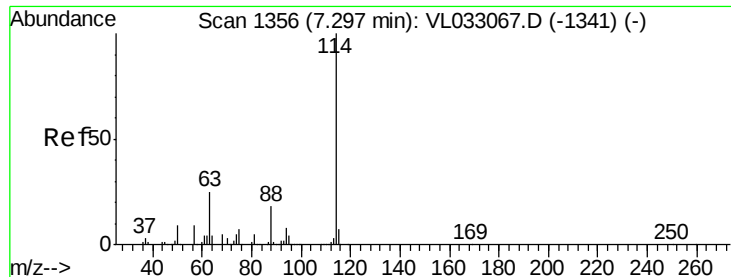
Tgt Ion:	57	Resp:	2944
Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.8	106.2#
43	0.0	171.8	257.6#
56	0.0	41.9	62.9#



#30
Cyclohexane
Concen: 0.076 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033102.D
Acq: 16 Jan 2019 21:53

Tgt Ion:	84	Resp:	4441
Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.8	152.6#
41	2.0	63.2	94.8#

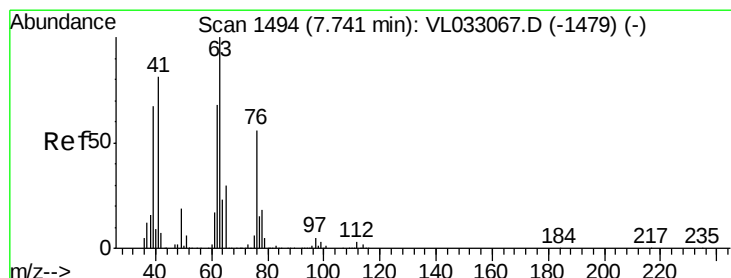
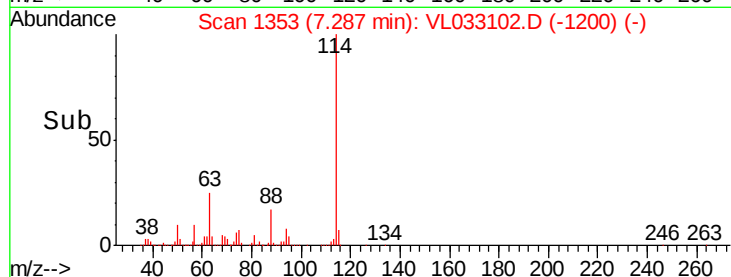
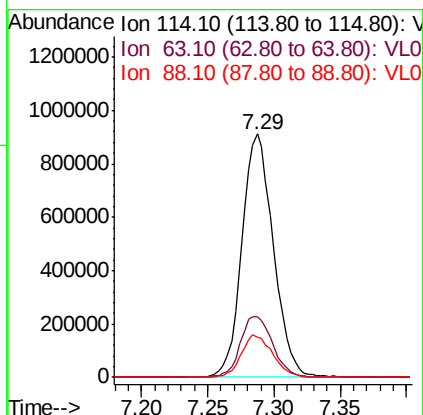
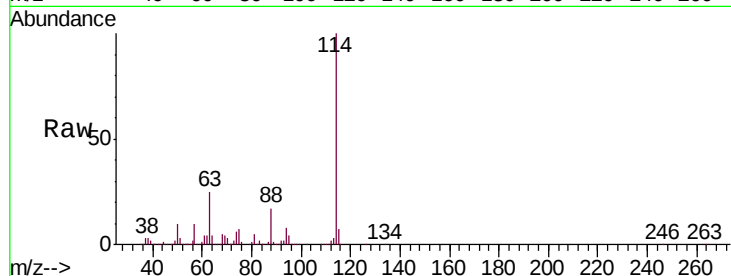




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033102.D
 Acq: 16 Jan 2019 21:53

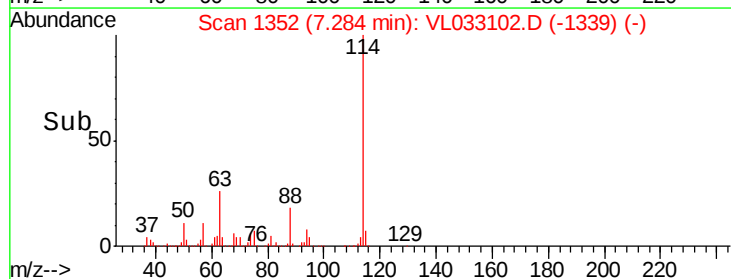
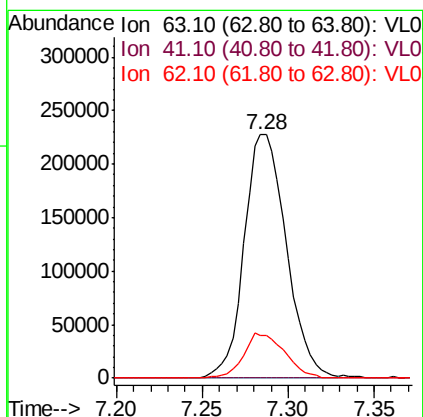
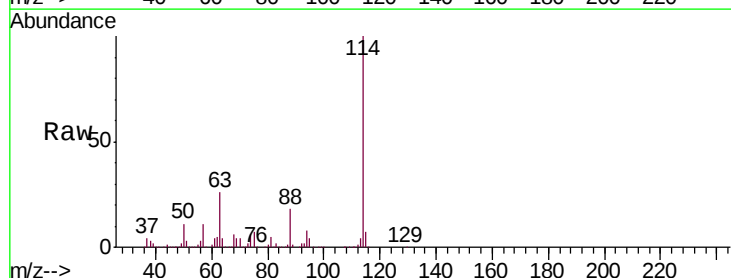
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10447

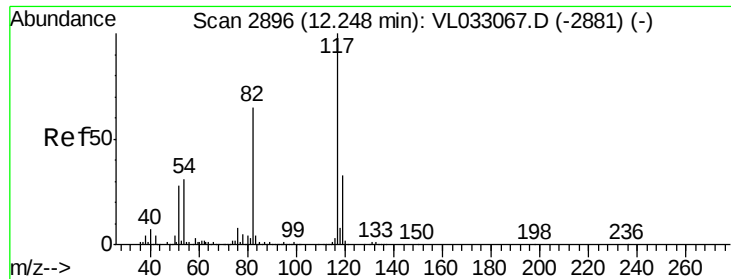
Tgt Ion: 114 Resp: 1503304
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.1 30.1
 88 17.5 14.0 21.0



#39
 1,2-Dichloropropane
 Concen: 8.347 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033102.D
 Acq: 16 Jan 2019 21:53

Tgt Ion: 63 Resp: 386150
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.9 92.9#
 62 17.5 55.8 83.6#

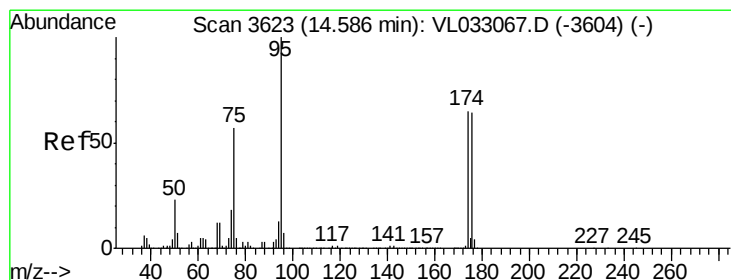
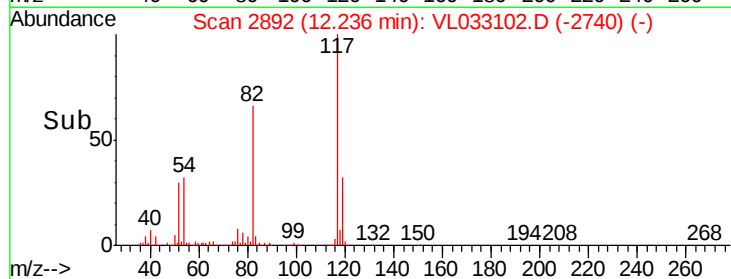
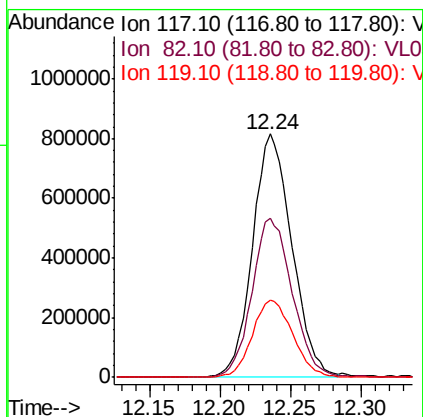
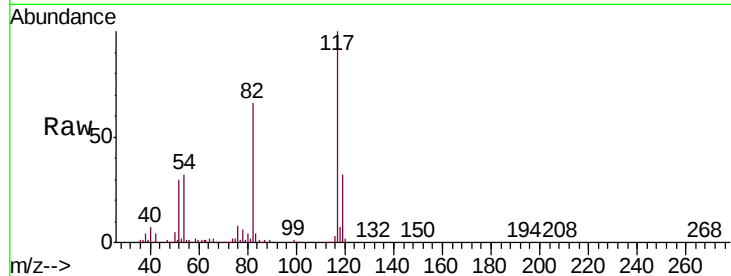




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033102.D
Acq: 16 Jan 2019 21:53

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Tgt Ion: 117 Resp: 1588953
Ion Ratio Lower Upper
117 100
82 67.5 48.9 73.3
119 33.0 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.362 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033102.D
Acq: 16 Jan 2019 21:53

Tgt Ion: 95 Resp: 1140300
Ion Ratio Lower Upper
95 100
174 64.2 51.9 77.9
175 4.7 3.9 5.9

