

Data File : VL033105.D
Acq On : 16 Jan 2019 23:55
Operator : SY/AP
Sample : CAN 10314
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10314

Quant Time: Jan 17 01:56:33 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	968984	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2285624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2028538	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1548947	9.96	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

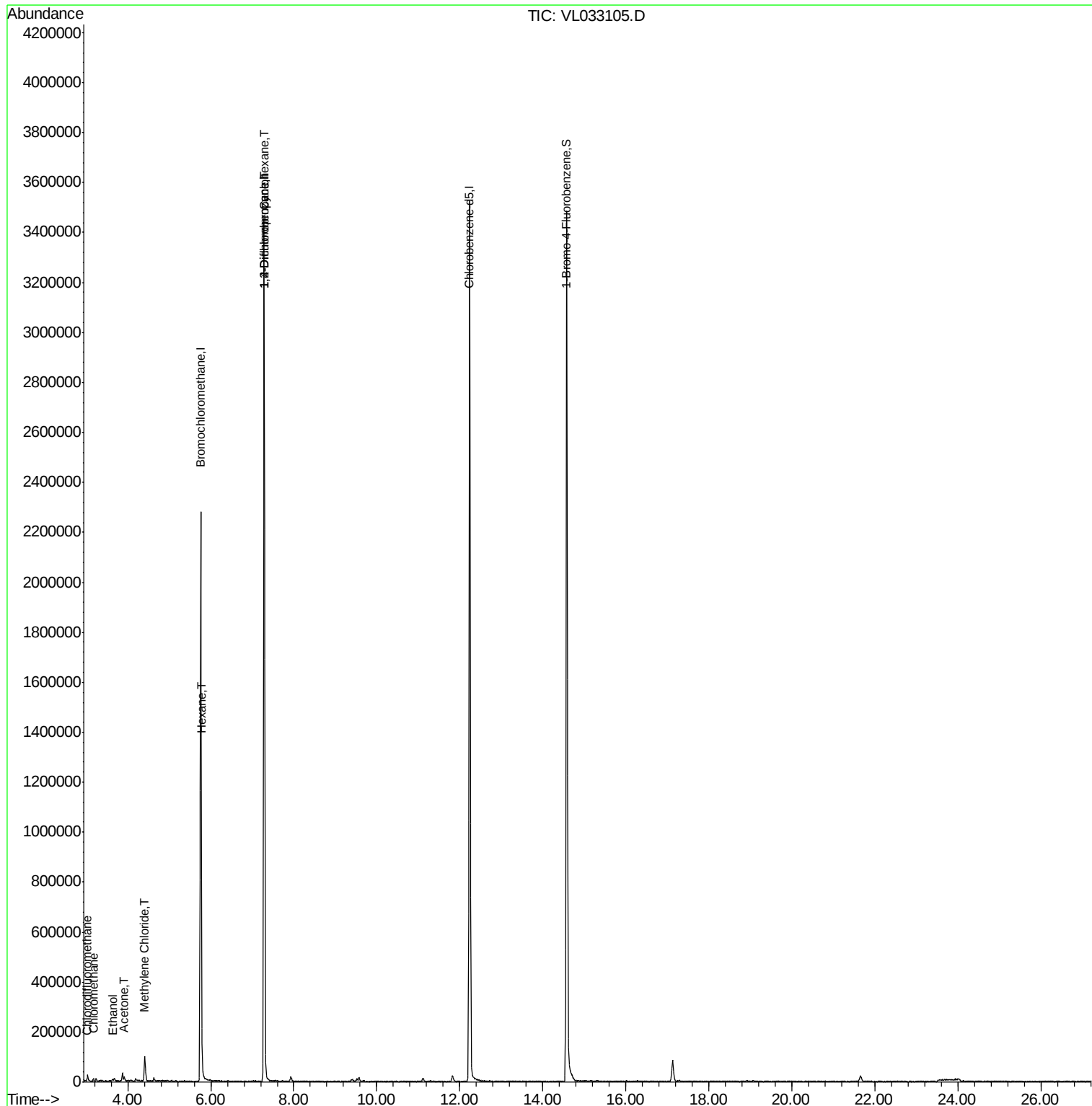
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	3693	0.034	ppbv #	85
4) Chloromethane	3.18	50	9004	0.143	ppbv	93
13) Ethanol	3.64	45	780	0.048	ppbv #	40
15) Acetone	3.91	43	13665	0.102	ppbv #	75
20) Methylene Chloride	4.40	84	32122	0.575	ppbv	95
26) Hexane	5.78	57	13876	0.130	ppbv #	40
30) Cyclohexane	7.27	84	4424	0.056	ppbv #	2
39) 1,2-Dichloropropane	7.28	63	588974	8.374	ppbv #	23

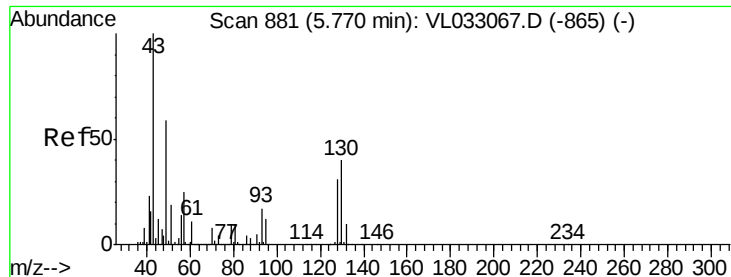
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033105.D

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ClientSampleId :

CAN 10314

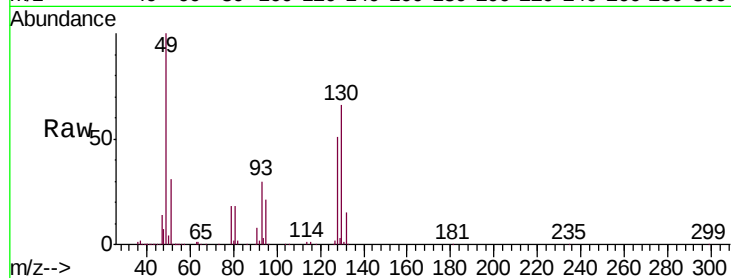
Tgt Ion: 49 Resp: 968984

Ion Ratio Lower Upper

49 100

128 51.3 26.2 78.5

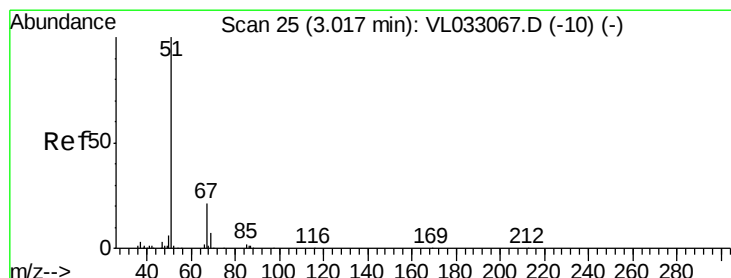
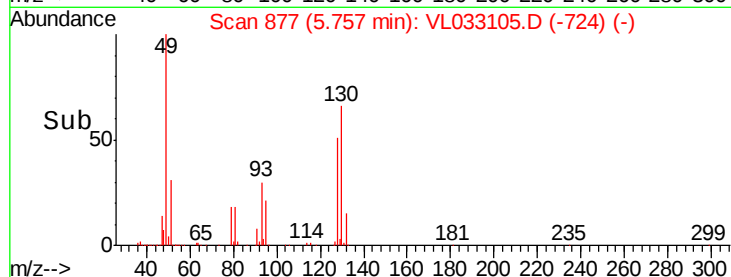
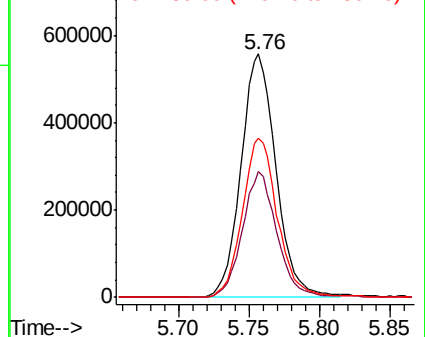
130 65.9 33.6 100.6



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



#3

Chlorodifluoromethane

Concen: 0.034 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033105.D

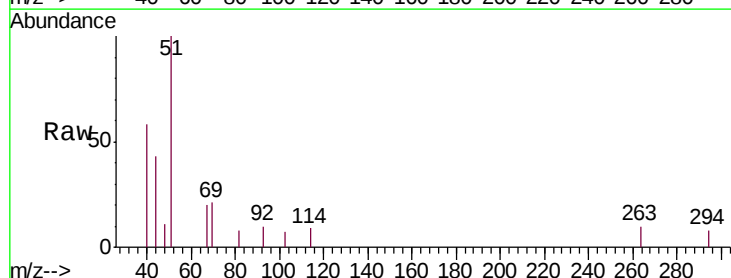
Acq: 16 Jan 2019 23:55

Tgt Ion: 51 Resp: 3693

Ion Ratio Lower Upper

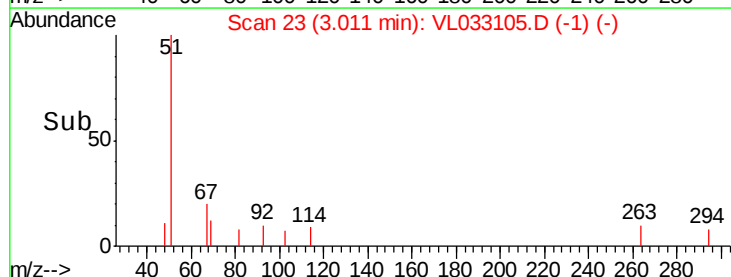
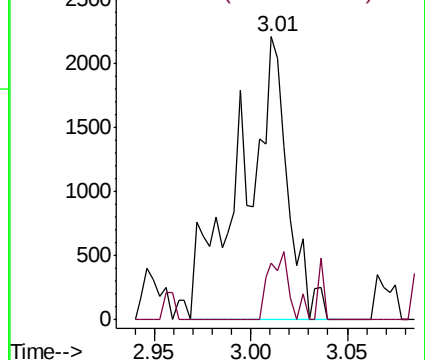
51 100

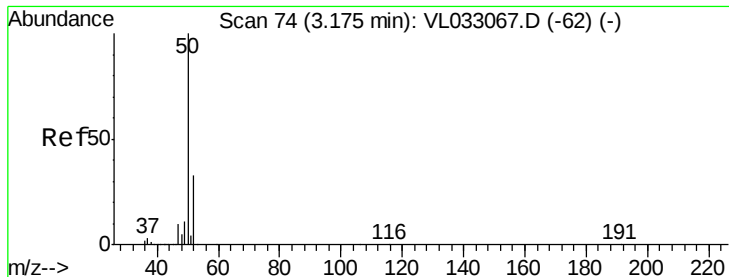
67 13.4 16.3 24.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.143 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL033105.D

Acq: 16 Jan 2019 23:55

Instrument :

MSVOA_L

ClientSampleId :

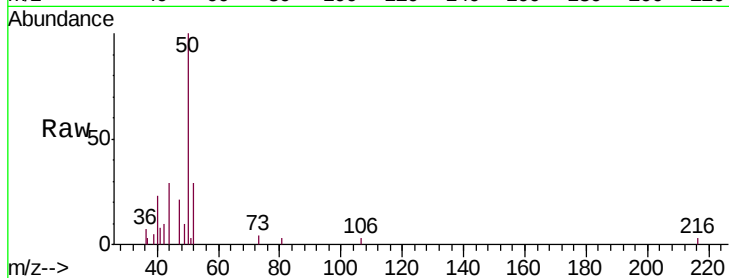
CAN 10314

Tgt Ion: 50 Resp: 9004

Ion Ratio Lower Upper

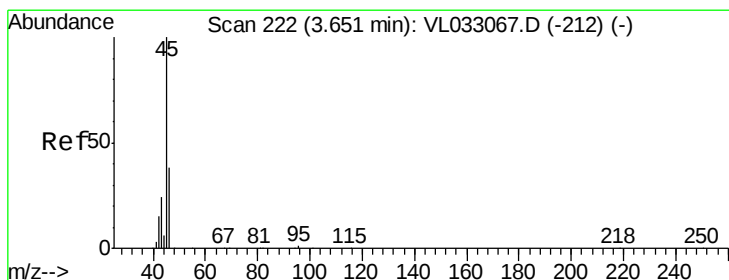
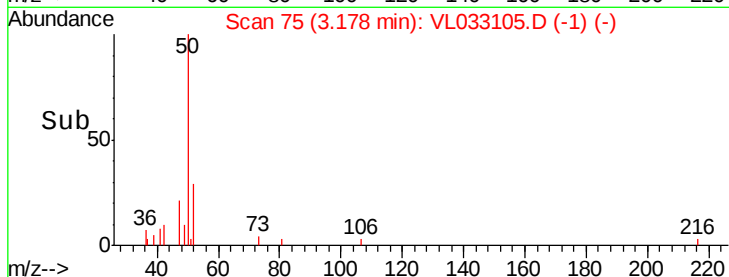
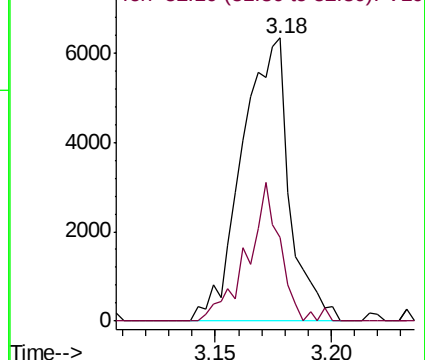
50 100

52 29.5 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 0.048 ppbv

RT: 3.64 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL033105.D

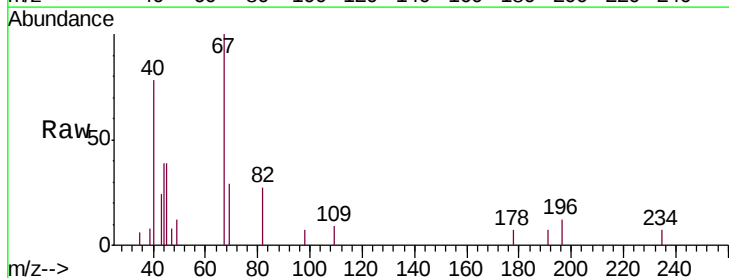
Acq: 16 Jan 2019 23:55

Tgt Ion: 45 Resp: 780

Ion Ratio Lower Upper

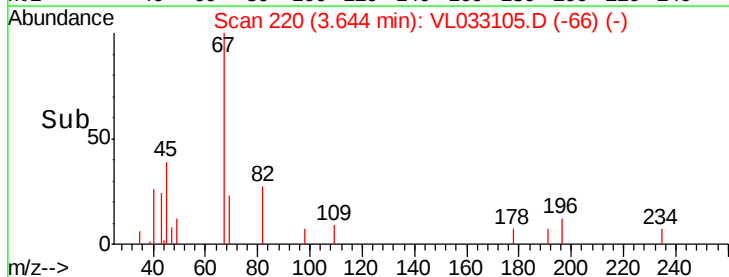
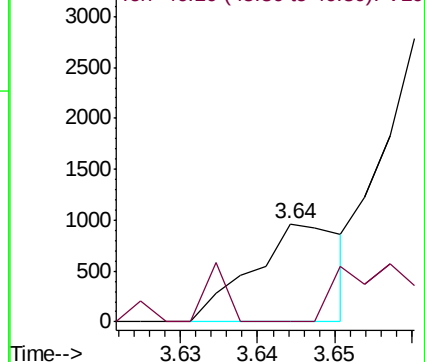
45 100

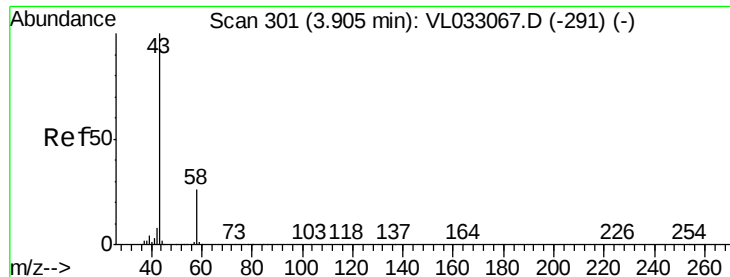
46 0.0 13.8 55.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.102 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033105.D

Acq: 16 Jan 2019 23:55

Instrument :

MSVOA_L

ClientSampled :

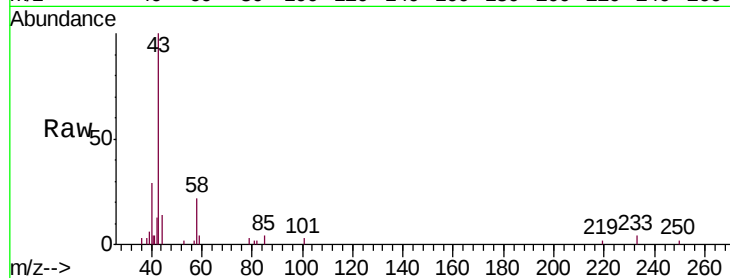
CAN 10314

Tgt Ion: 43 Resp: 13665

Ion Ratio Lower Upper

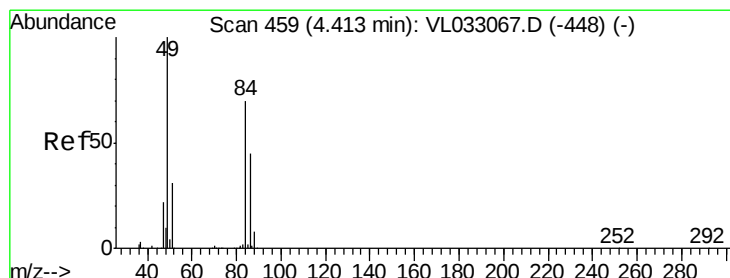
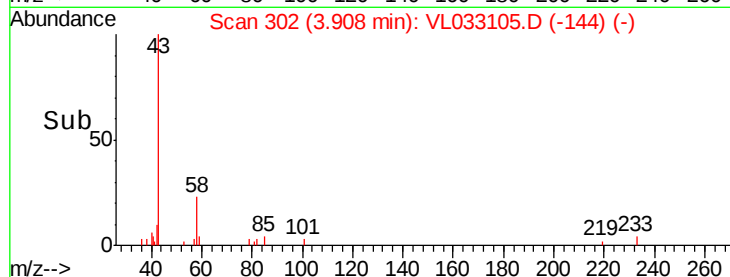
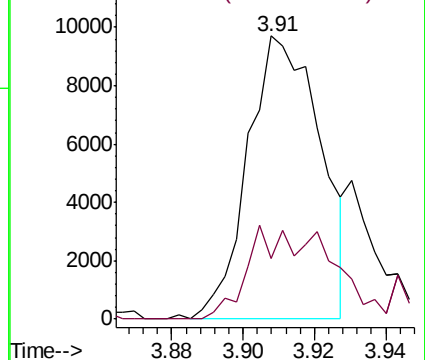
43 100

58 39.5 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.575 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033105.D

Acq: 16 Jan 2019 23:55

Tgt Ion: 84 Resp: 32122

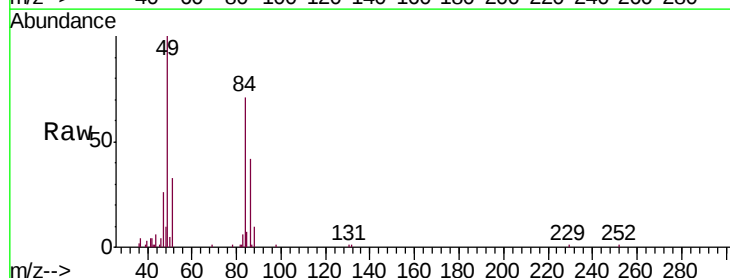
Ion Ratio Lower Upper

84 100

49 138.0 115.8 173.6

51 46.5 35.7 53.5

86 58.7 49.7 74.5

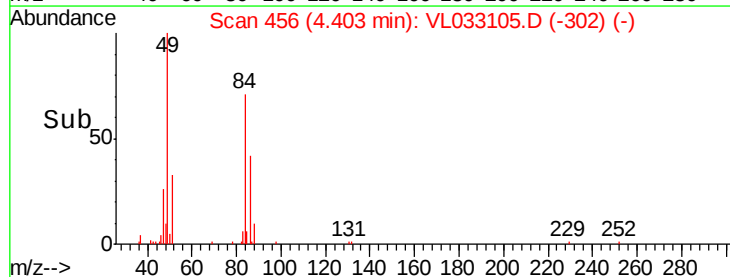
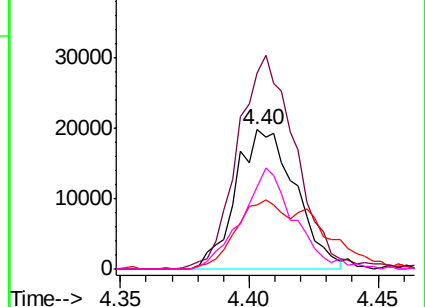


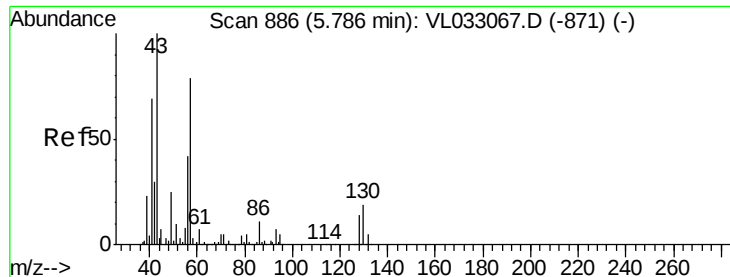
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

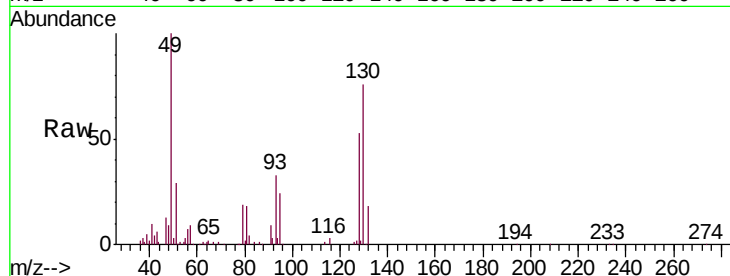




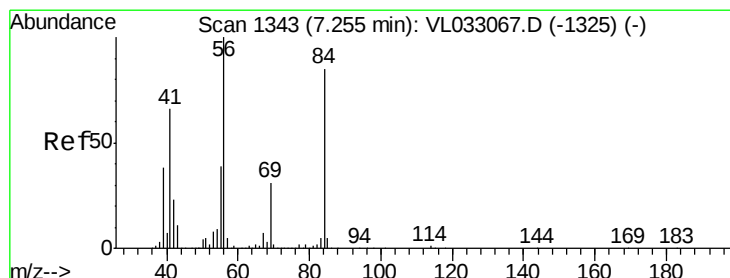
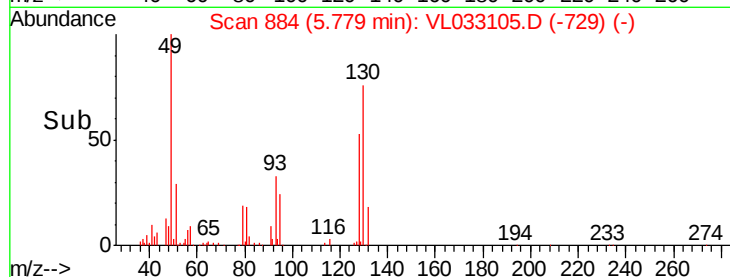
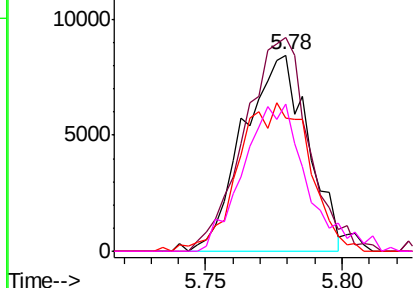
#26
Hexane
Concen: 0.130 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033105.D
Acq: 16 Jan 2019 23:55

Instrument :
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CAN 10314

Tgt Ion: 57 Resp: 13876
Ion Ratio Lower Upper
57 100
41 108.9 70.8 106.2#
43 83.5 171.8 257.6#
56 74.5 41.9 62.9#

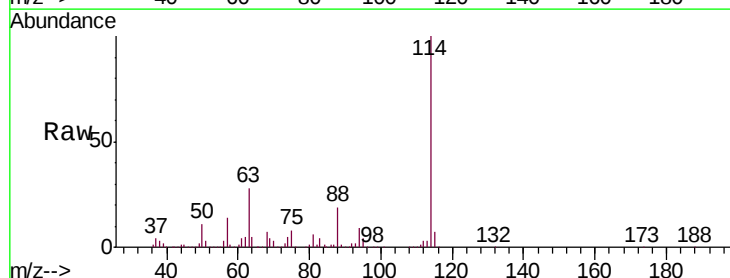


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

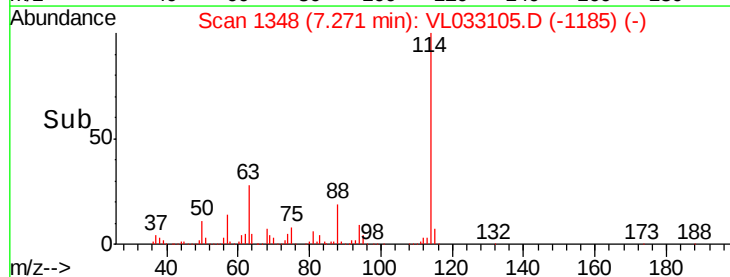
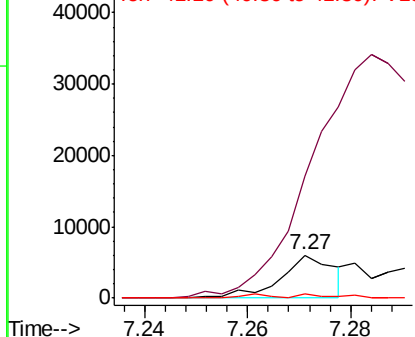


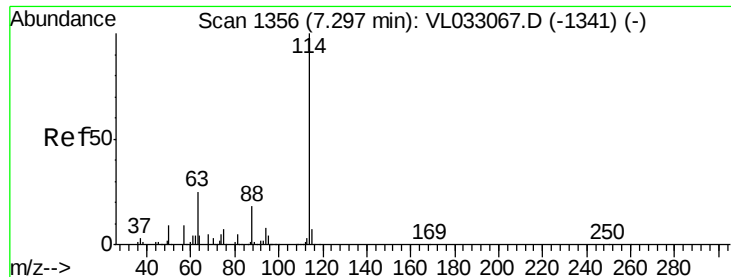
#30
Cyclohexane
Concen: 0.056 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL033105.D
Acq: 16 Jan 2019 23:55

Tgt Ion: 84 Resp: 4424
Ion Ratio Lower Upper
84 100
56 0.0 101.8 152.6#
41 10.6 63.2 94.8#



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

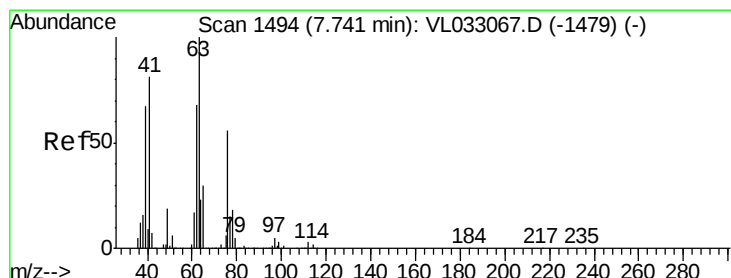
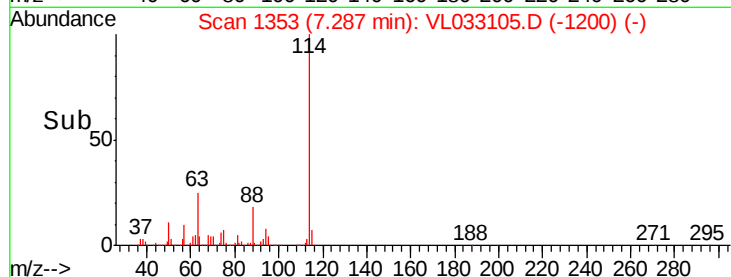
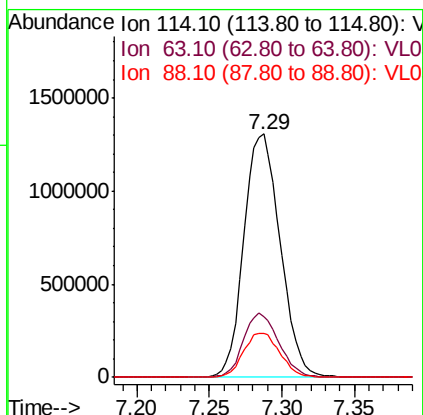
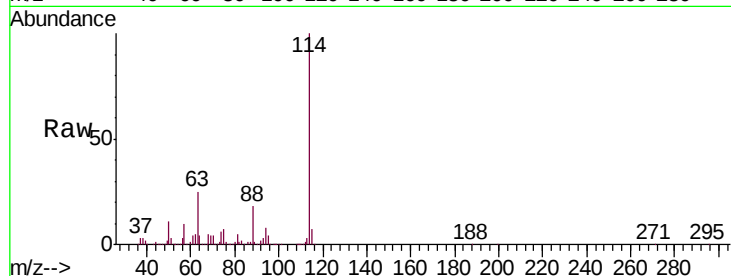




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033105.D
 Acq: 16 Jan 2019 23:55

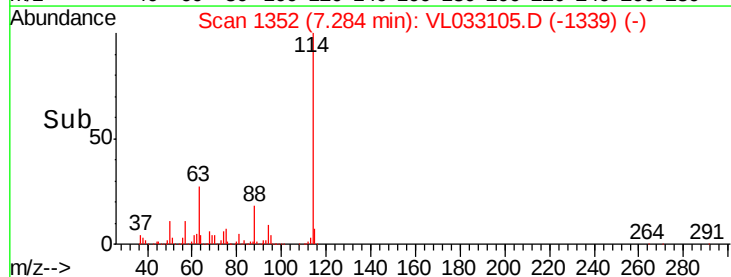
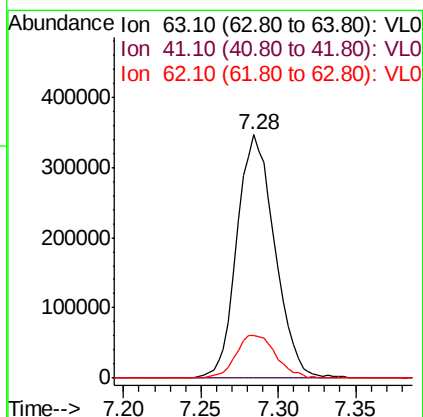
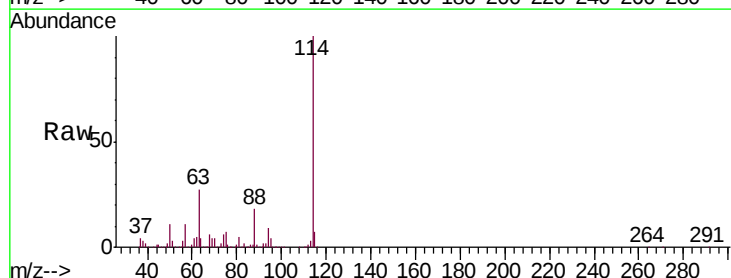
Instrument :
 MSVOA_L
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 CAN 10314

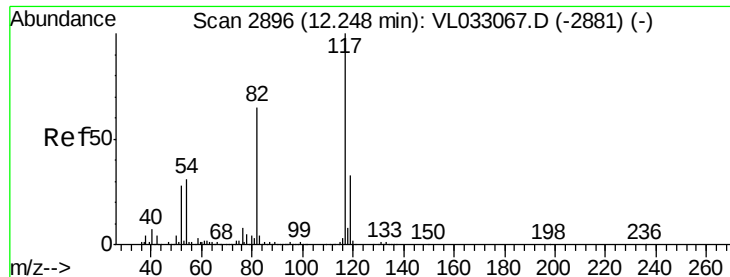
Tgt Ion: 114 Resp: 2285624
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.1 30.1
 88 18.2 14.0 21.0



#39
 1,2-Dichloropropane
 Concen: 8.374 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033105.D
 Acq: 16 Jan 2019 23:55

Tgt Ion: 63 Resp: 588974
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.3 55.8 83.6#

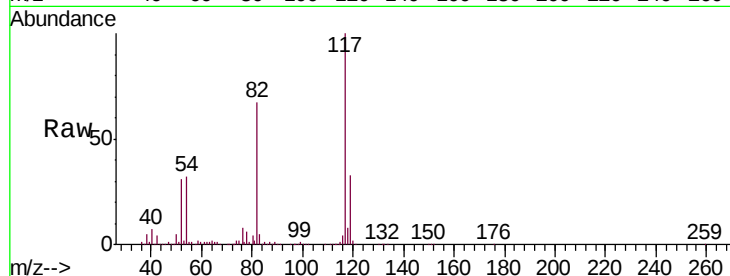




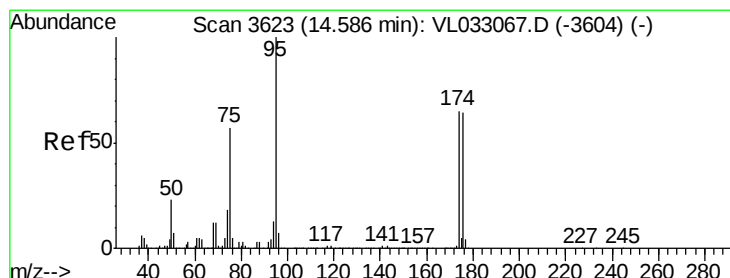
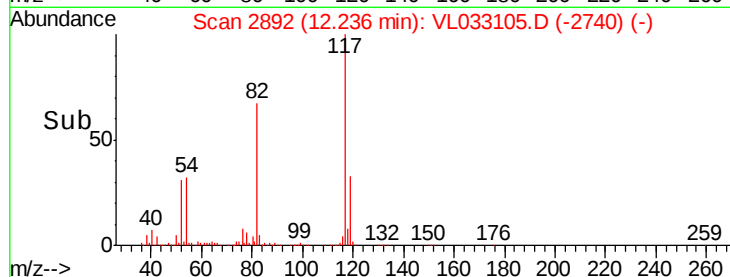
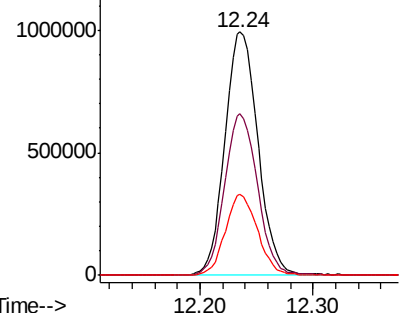
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033105.D
Acq: 16 Jan 2019 23:55

Instrument :
MSVOA_L
ClientSampleId :
CAN 10314

Tgt Ion: 117 Resp: 2028538
Ion Ratio Lower Upper
117 100
82 66.5 48.9 73.3
119 32.7 24.6 37.0

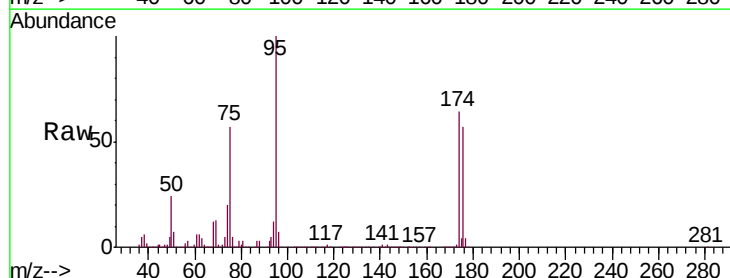


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.961 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033105.D
Acq: 16 Jan 2019 23:55

Tgt Ion: 95 Resp: 1548947
Ion Ratio Lower Upper
95 100
174 65.5 51.9 77.9
175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

