

Data File : VL033096.D
Acq On : 16 Jan 2019 17:40
Operator : SY/AP
Sample : K1130-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1ADL

Quant Time: Jan 17 01:54:23 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	999045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2420617	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2312205	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1808063	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

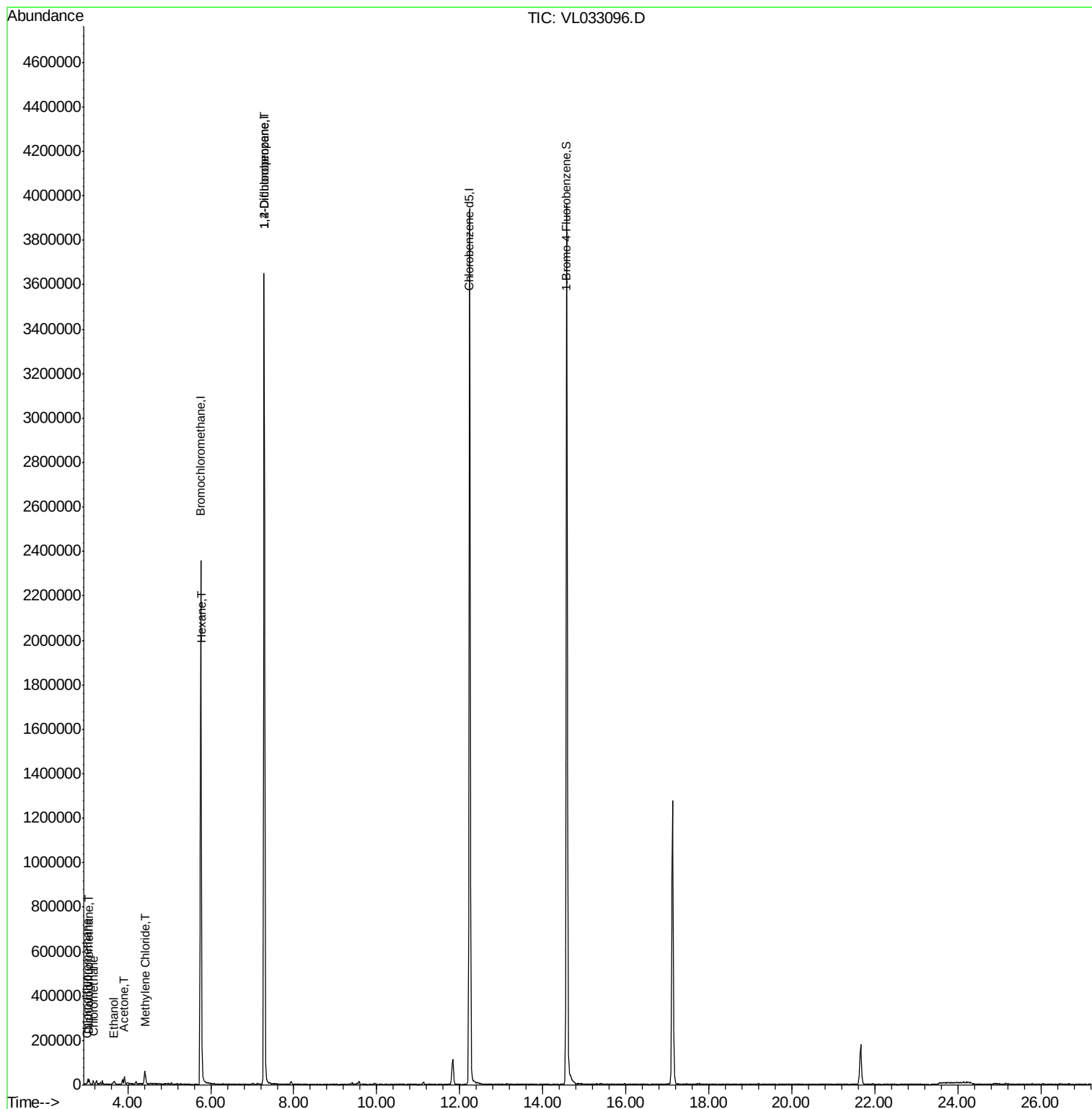
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	11849	0.064	ppbv #	80
3) Chlorodifluoromethane	3.01	51	5535	0.049	ppbv	98
4) Chloromethane	3.17	50	10621	0.164	ppbv #	79
13) Ethanol	3.65	45	1080	0.064	ppbv #	40
15) Acetone	3.92	43	27113	0.196	ppbv	100
20) Methylene Chloride	4.40	84	18735	0.325	ppbv #	76
26) Hexane	5.78	57	8943	0.081	ppbv #	38
39) 1,2-Dichloropropane	7.28	63	612041	8.216	ppbv #	22

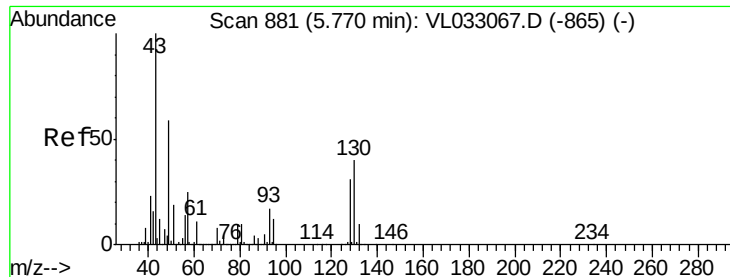
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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ClientSampleId :

QA1ADL

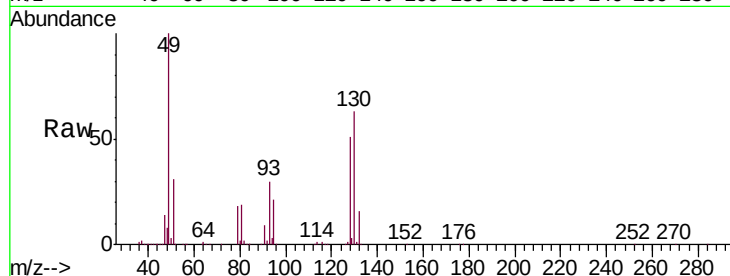
Tgt Ion: 49 Resp: 999045

Ion Ratio Lower Upper

49 100

128 52.1 26.2 78.5

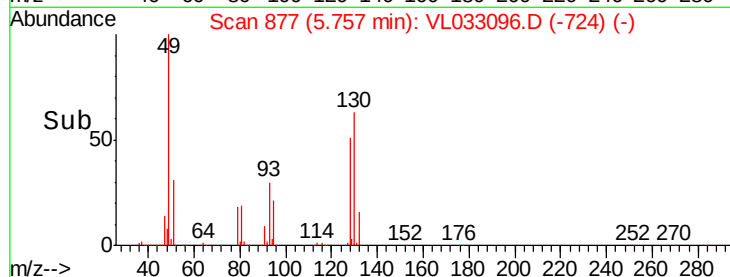
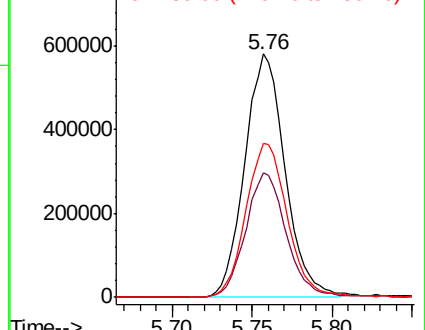
130 66.2 33.6 100.6



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



#2

Dichlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.01 min

Lab File: VL033096.D

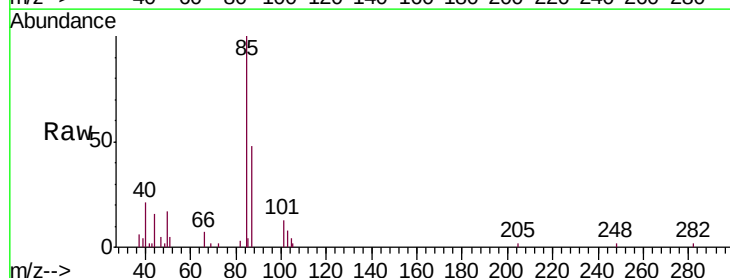
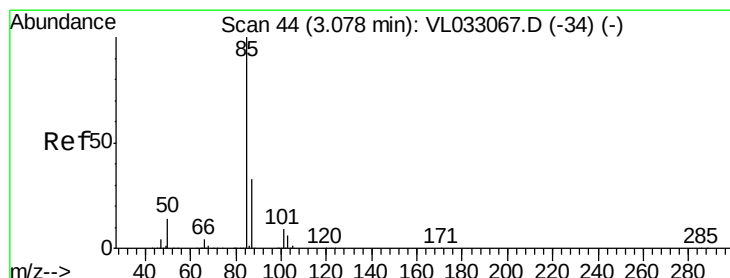
Acq: 16 Jan 2019 17:40

Tgt Ion: 85 Resp: 11849

Ion Ratio Lower Upper

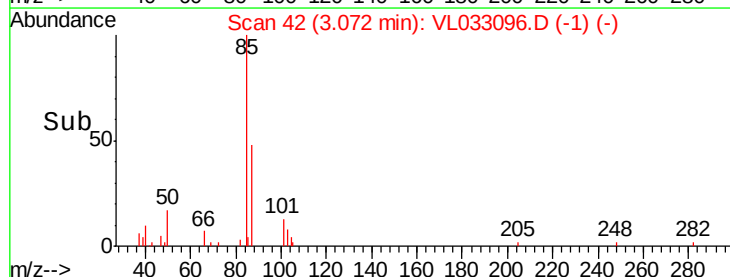
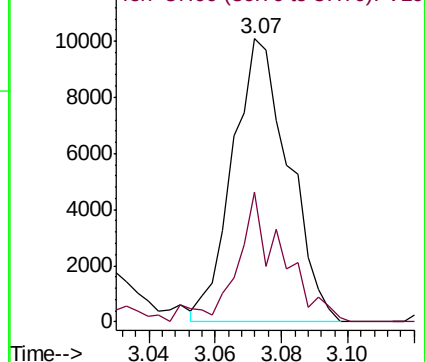
85 100

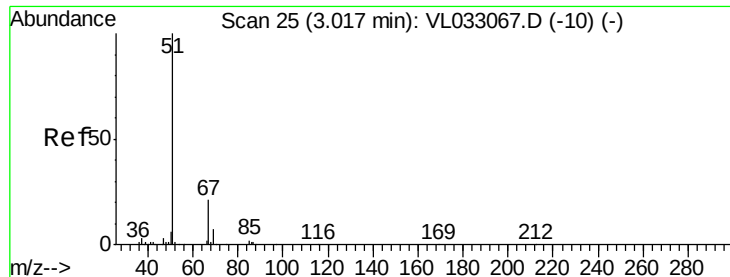
87 44.4 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.049 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033096.D

Acq: 16 Jan 2019 17:40

Instrument :

MSVOA_L

ClientSampleId :

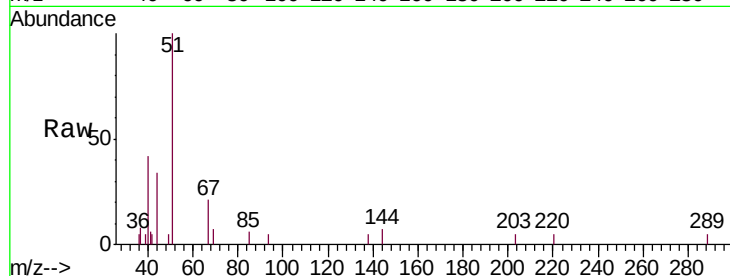
QA1ADL

Tgt Ion: 51 Resp: 5535

Ion Ratio Lower Upper

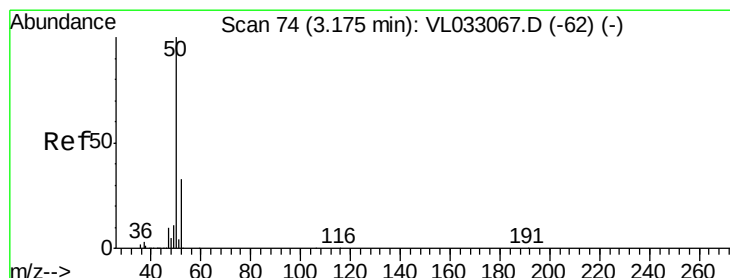
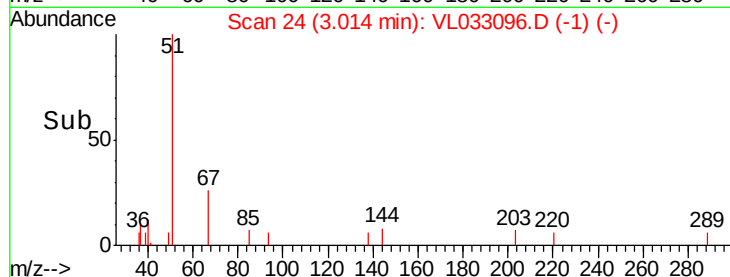
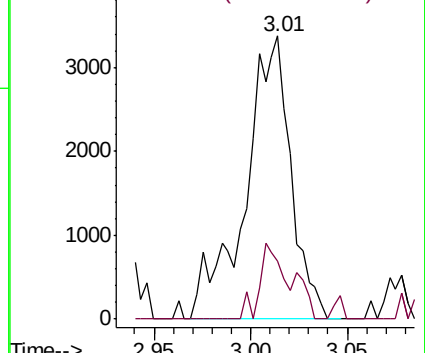
51 100

67 19.7 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: 0.164 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033096.D

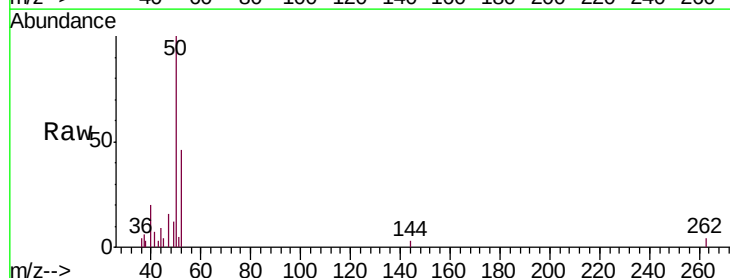
Acq: 16 Jan 2019 17:40

Tgt Ion: 50 Resp: 10621

Ion Ratio Lower Upper

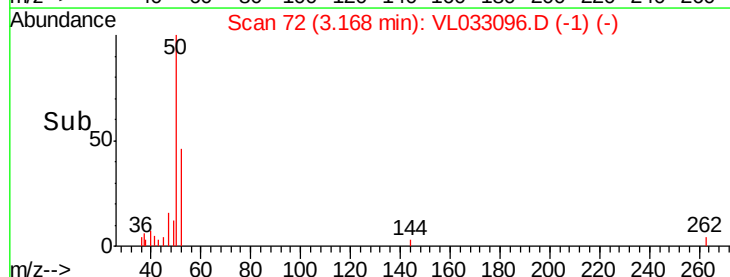
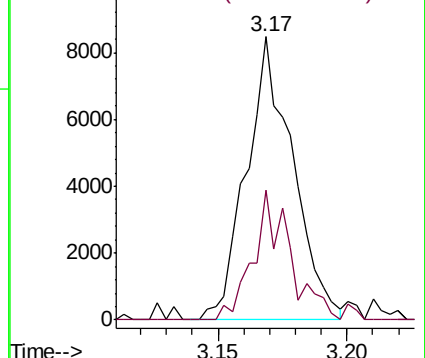
50 100

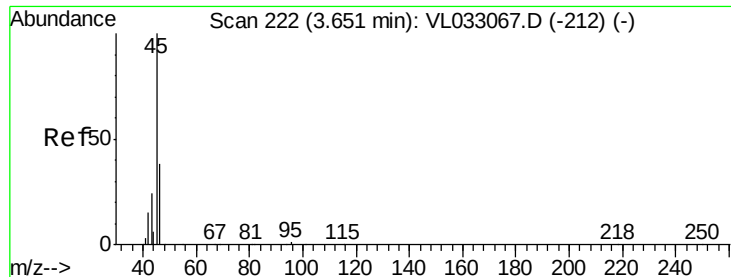
52 45.7 26.9 40.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

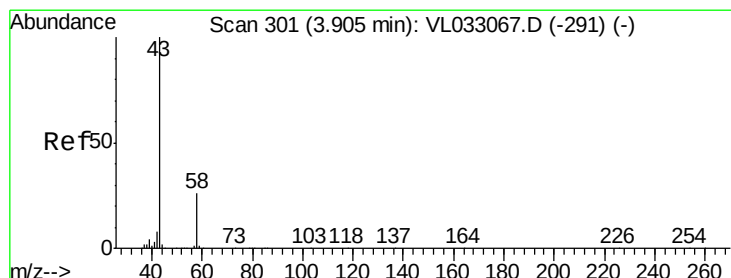
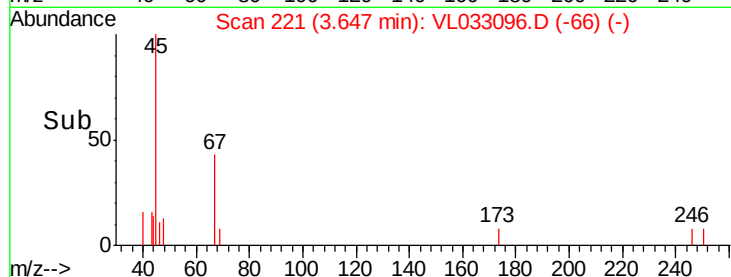
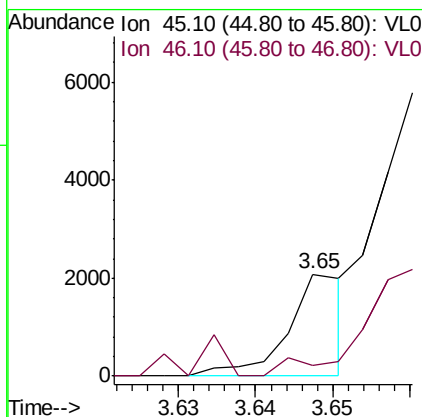
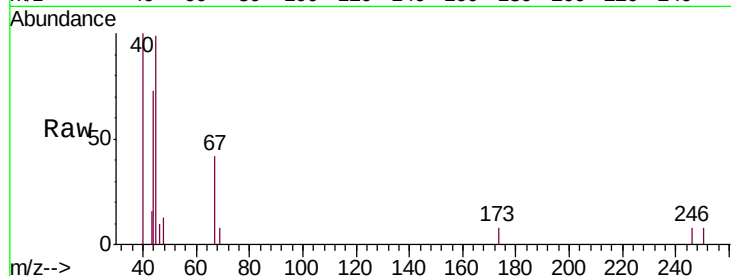




#13
Ethanol
Concen: 0.064 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

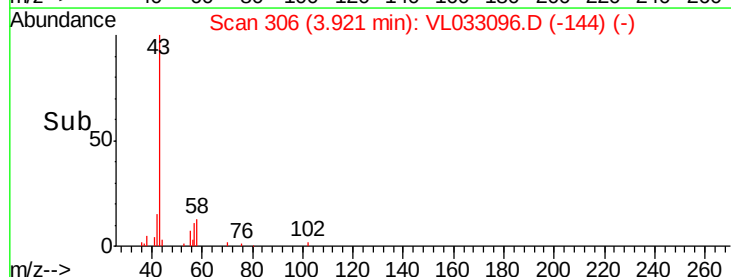
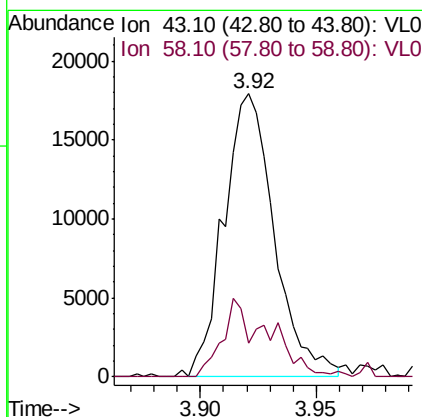
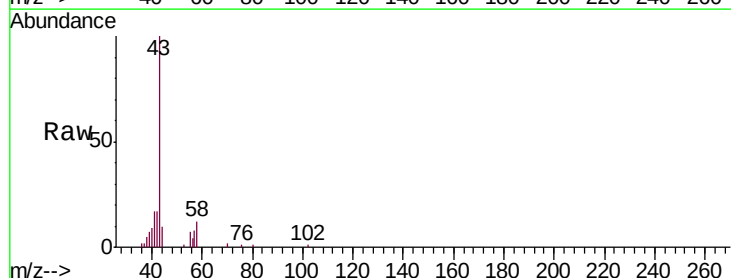
Instrument :
MSVOA_L
ClientSampleId :
OA1ADL

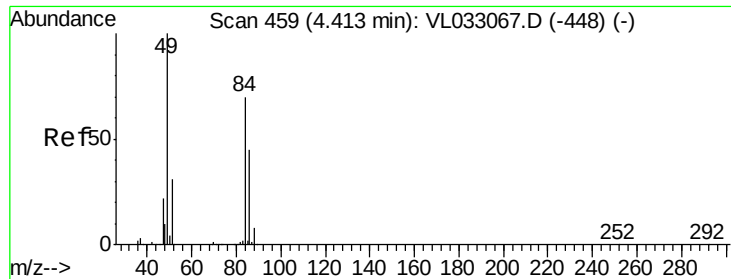
Tgt Ion: 45 Resp: 1080
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#



#15
Acetone
Concen: 0.196 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Tgt Ion: 43 Resp: 27113
Ion Ratio Lower Upper
43 100
58 26.4 21.1 31.7





#20

Methylene Chloride

Concen: 0.325 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL033096.D

Acq: 16 Jan 2019 17:40

Instrument :

MSVOA_L

ClientSampleId :

QA1ADL

Tgt Ion: 84 Resp: 18735

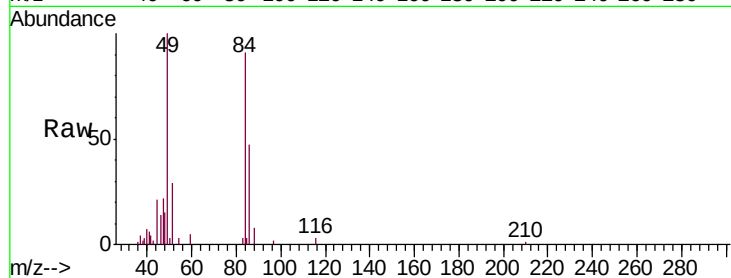
Ion Ratio Lower Upper

84 100

49 108.0 115.8 173.6#

51 32.2 35.7 53.5#

86 50.1 49.7 74.5



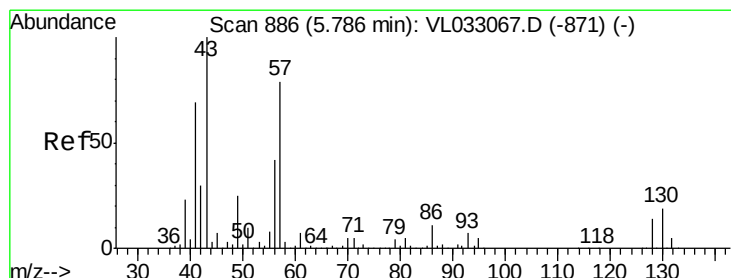
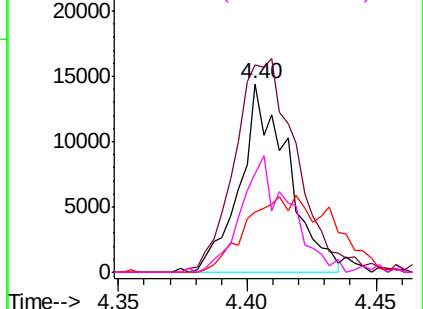
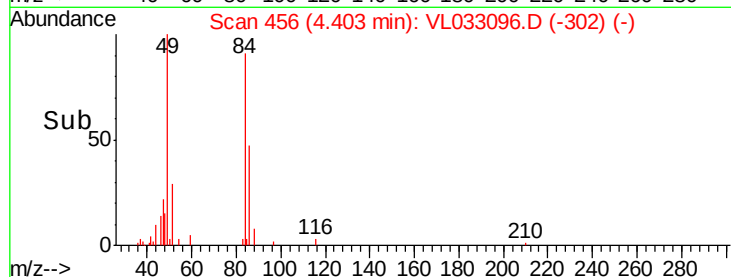
Abundance

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: 0.081 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.01 min

Lab File: VL033096.D

Acq: 16 Jan 2019 17:40

Tgt Ion: 57 Resp: 8943

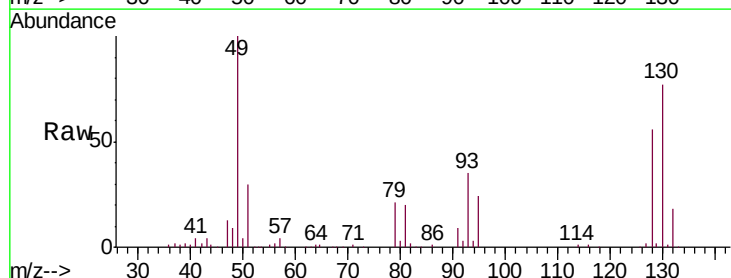
Ion Ratio Lower Upper

57 100

41 133.7 70.8 106.2#

43 93.0 171.8 257.6#

56 69.3 41.9 62.9#



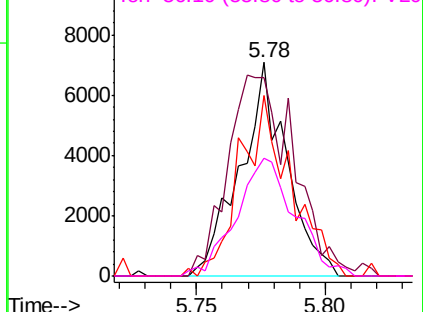
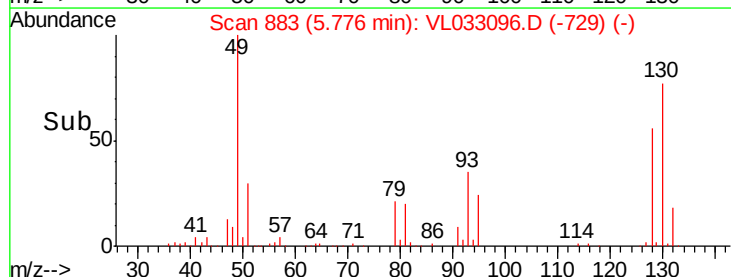
Abundance

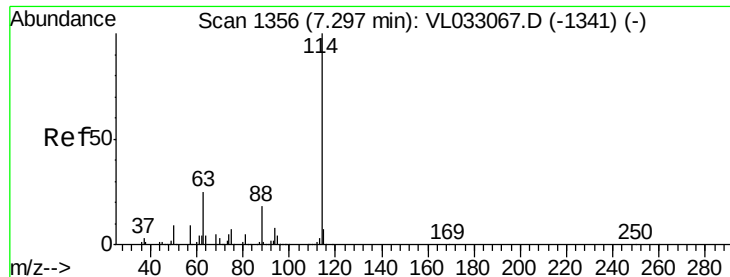
Ion 57.10 (56.80 to 57.80): VL0

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

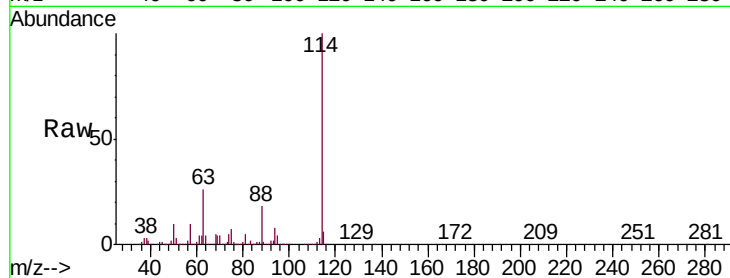




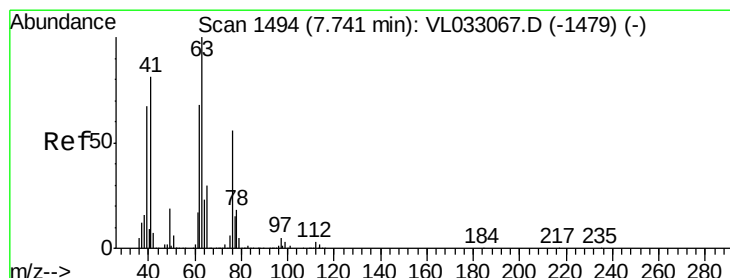
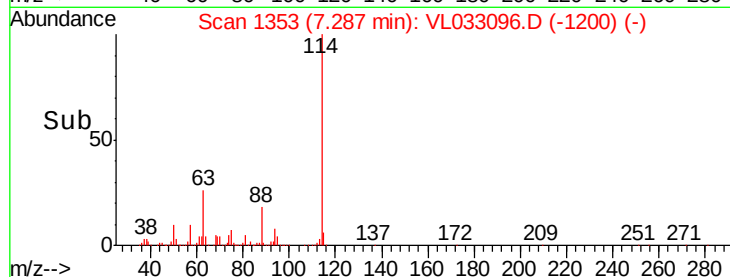
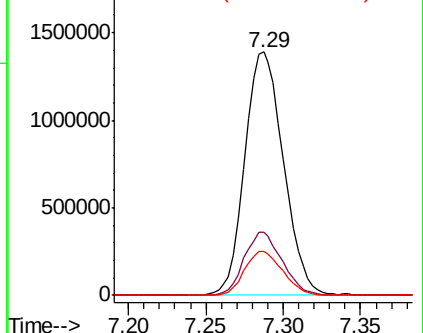
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033096.D
 Acq: 16 Jan 2019 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1ADL

Tgt Ion: 114 Resp: 2420617
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.1 30.1
 88 17.9 14.0 21.0

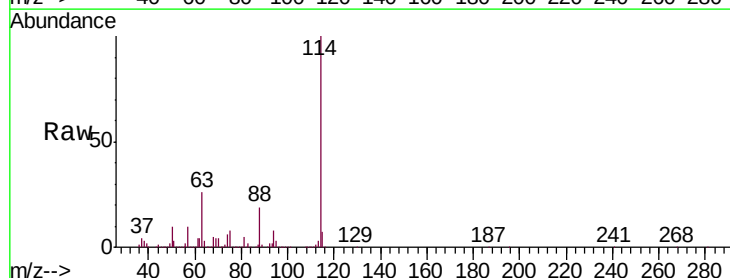


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

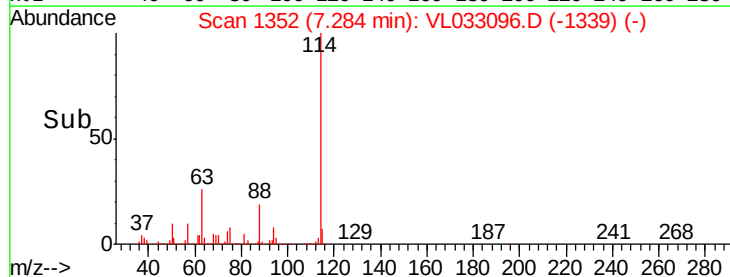
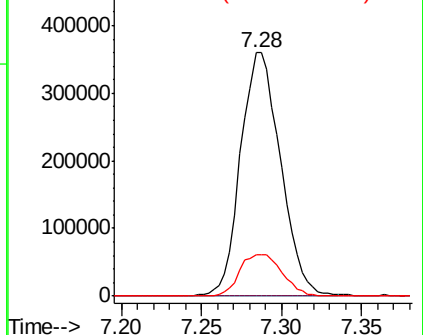


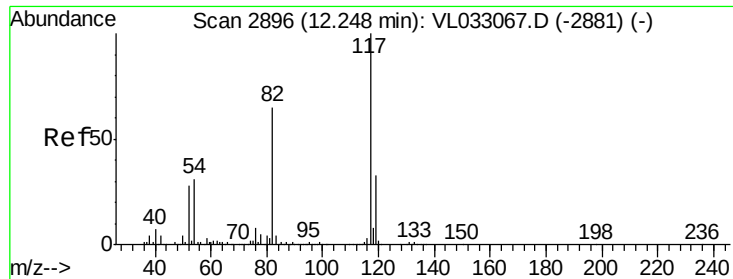
#39
 1,2-Dichloropropane
 Concen: 8.216 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033096.D
 Acq: 16 Jan 2019 17:40

Tgt Ion: 63 Resp: 612041
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.0 55.8 83.6#



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

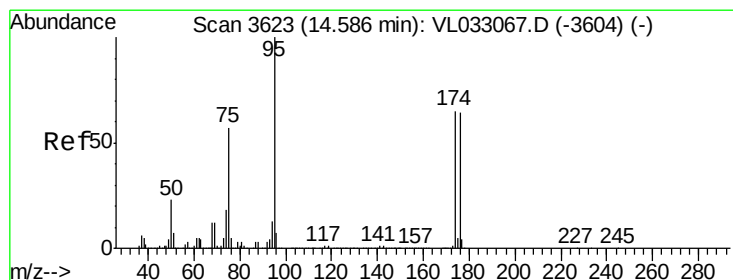
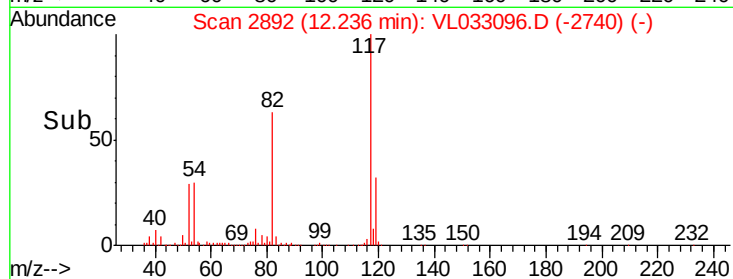
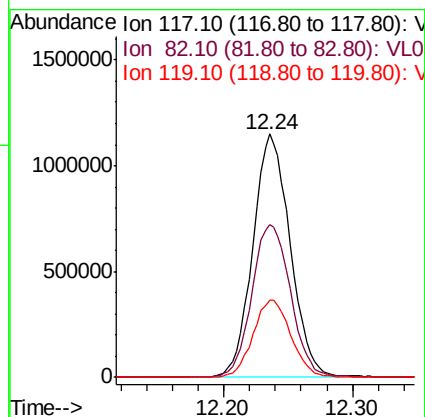
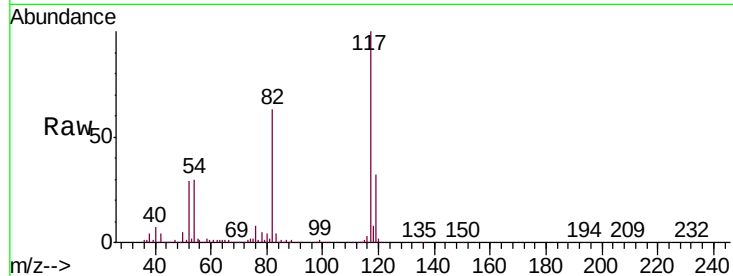




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Instrument :
MSVOA_L
ClientSampleId :
QA1ADL

Tgt Ion: 117 Resp: 2312205
Ion Ratio Lower Upper
117 100
82 65.9 48.9 73.3
119 32.6 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.201 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033096.D
Acq: 16 Jan 2019 17:40

Tgt Ion: 95 Resp: 1808063
Ion Ratio Lower Upper
95 100
174 64.0 51.9 77.9
175 4.6 3.9 5.9

