

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
 Data File : VL033074.D
 Acq On : 4 Jan 2019 19:06
 Operator : SY/AP
 Sample : J6594-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVI-IA1-2018-12-19DL

Quant Time: Jan 05 01:51:42 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	1066182	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2509986	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2389754	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1817047	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

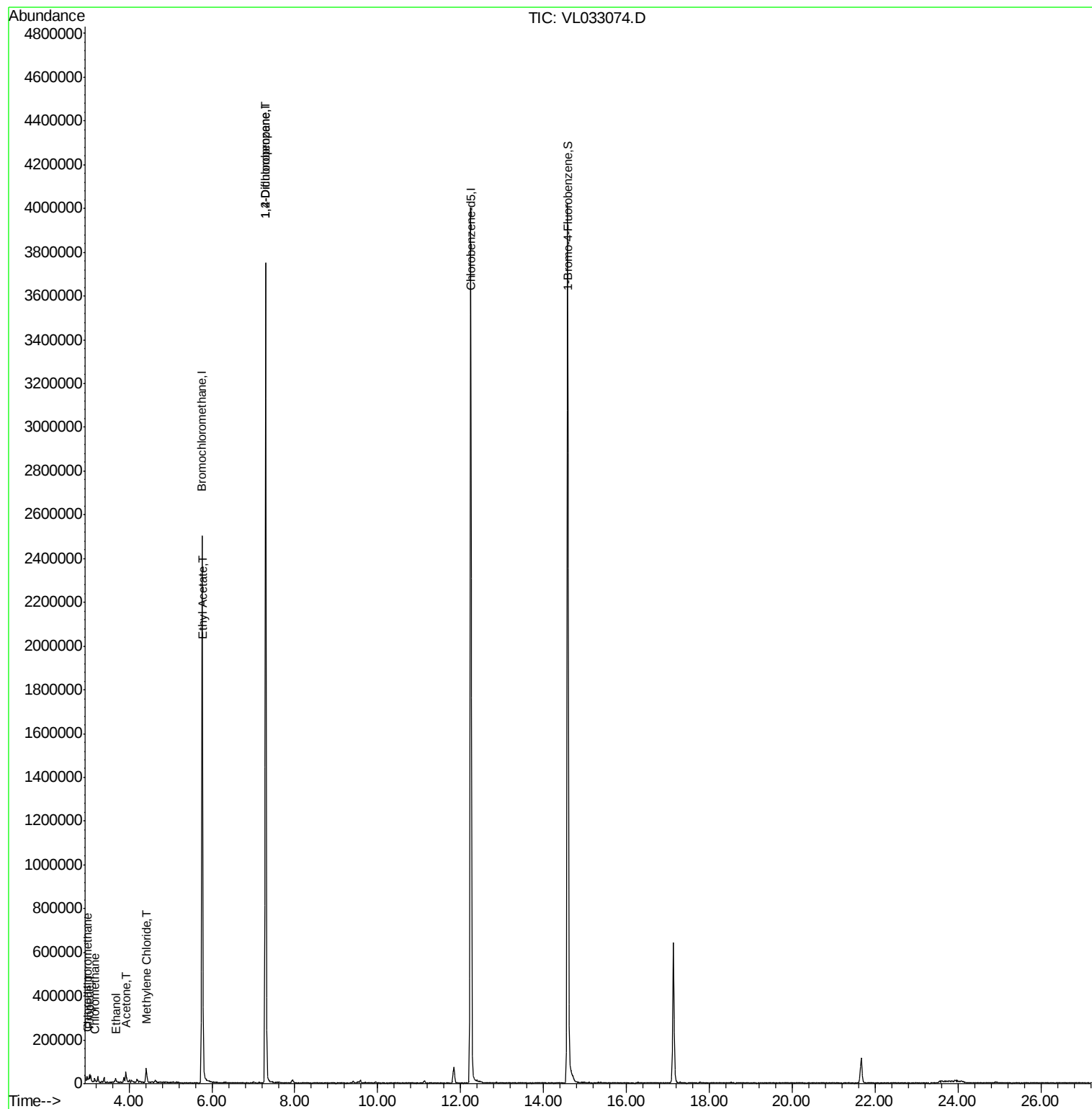
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	15698	0.130	ppbv #	77
4) Chloromethane	3.17	50	12178	0.176	ppbv #	87
9) Propene	3.05	41	3935	0.087	ppbv #	15
13) Ethanol	3.67	45	8757	0.487	ppbv #	40
15) Acetone	3.92	43	39942	0.271	ppbv	99
20) Methylene Chloride	4.41	84	19923	0.324	ppbv #	85
25) Ethyl Acetate	5.78	43	7523	0.030	ppbv #	80
39) 1,2-Dichloropropane	7.29	63	640222	8.289	ppbv #	23

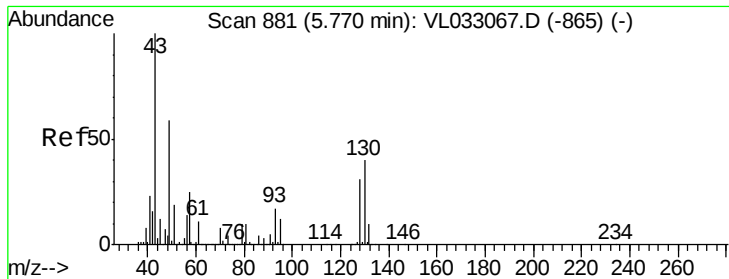
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 04 16:09:05 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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SVI-IA1-2018-12-19DL

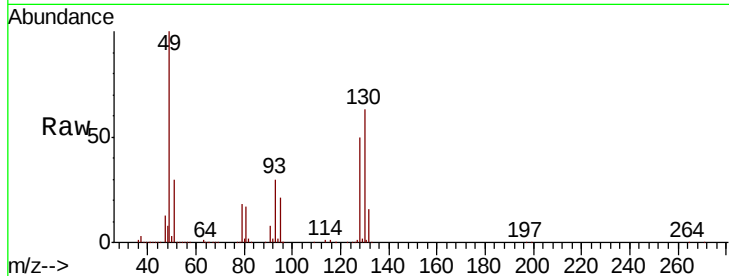
Tgt Ion: 49 Resp: 1066182

Ion Ratio Lower Upper

49 100

128 51.8 26.2 78.5

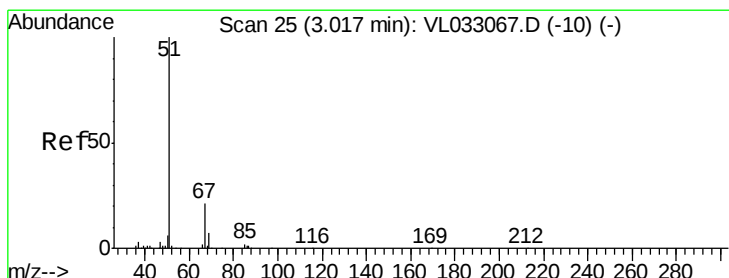
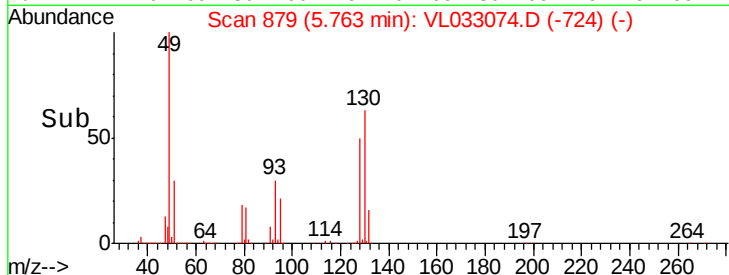
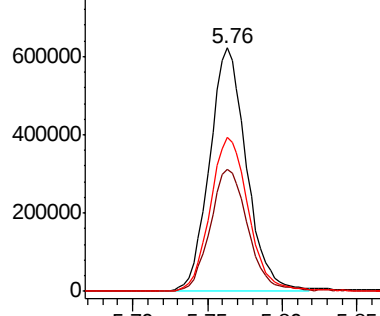
130 66.6 33.6 100.6



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: 0.130 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.02 min

Lab File: VL033074.D

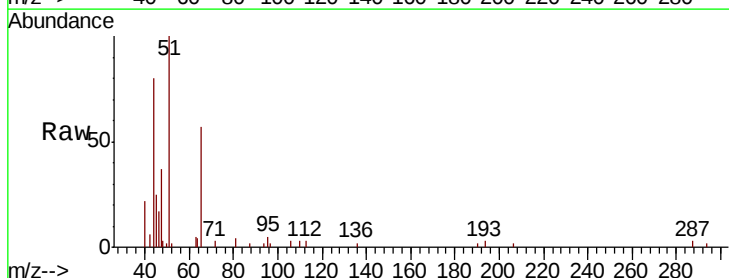
Acq: 4 Jan 2019 19:06

Tgt Ion: 51 Resp: 15698

Ion Ratio Lower Upper

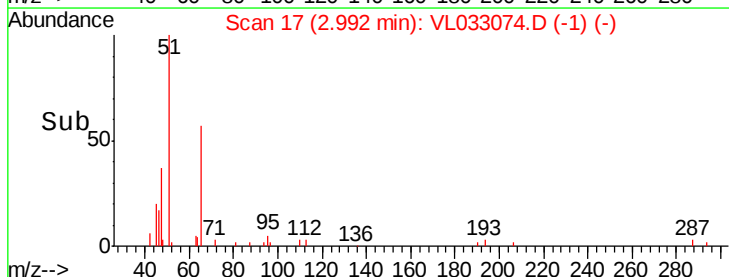
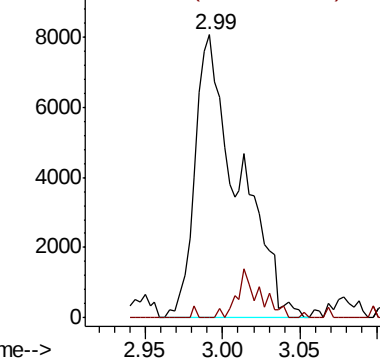
51 100

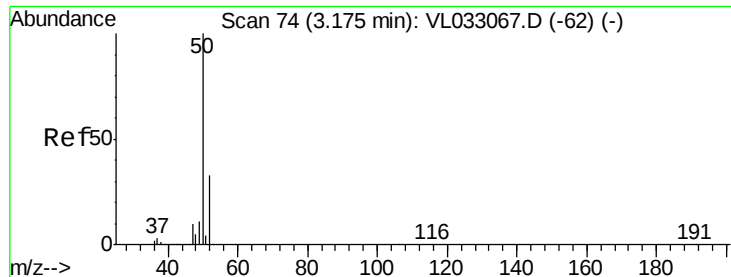
67 9.6 16.3 24.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.176 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

Instrument :

MSVOA_L

ClientSampleId :

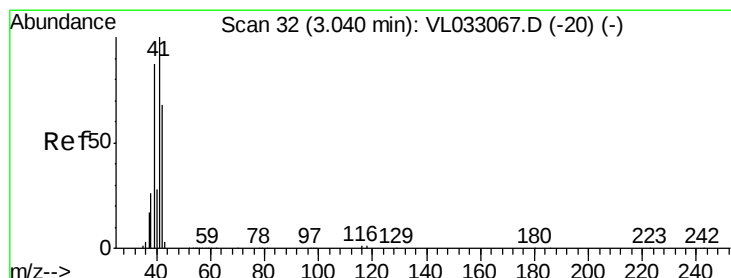
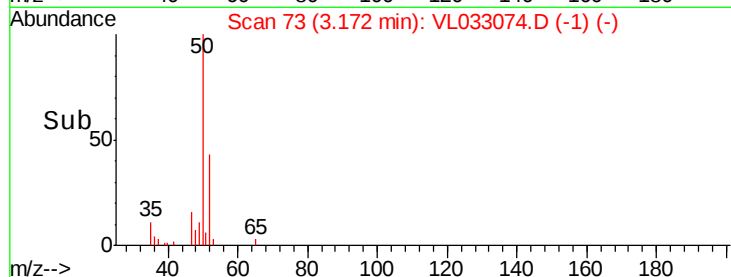
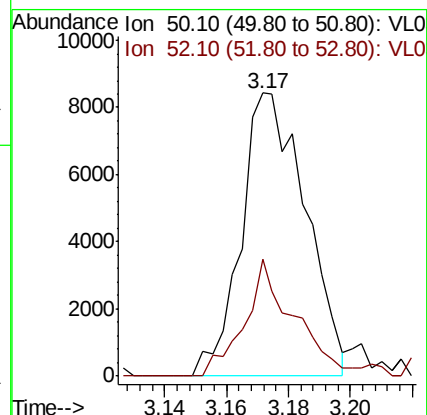
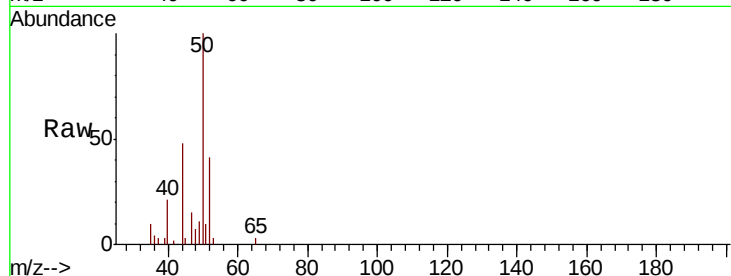
SVI-IA1-2018-12-19DL

Tgt Ion: 50 Resp: 12178

Ion Ratio Lower Upper

50 100

52 41.1 26.9 40.3#



#9

Propene

Concen: 0.087 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033074.D

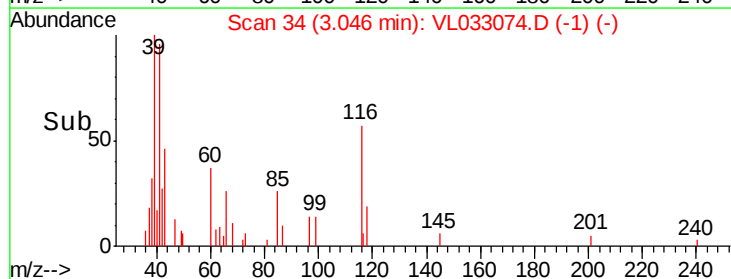
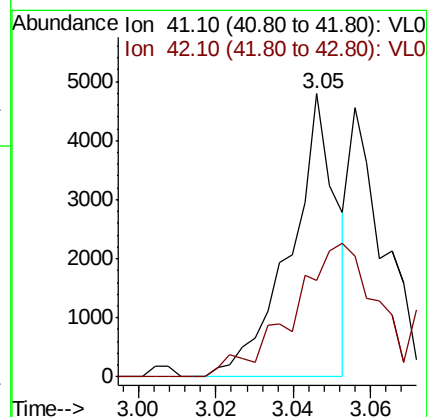
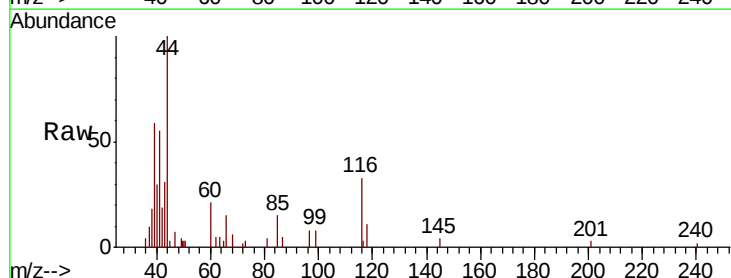
Acq: 4 Jan 2019 19:06

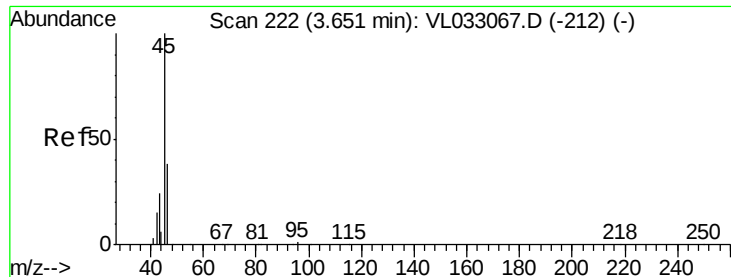
Tgt Ion: 41 Resp: 3935

Ion Ratio Lower Upper

41 100

42 0.0 55.3 82.9#

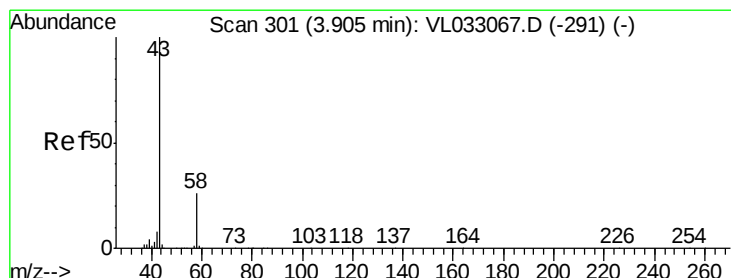
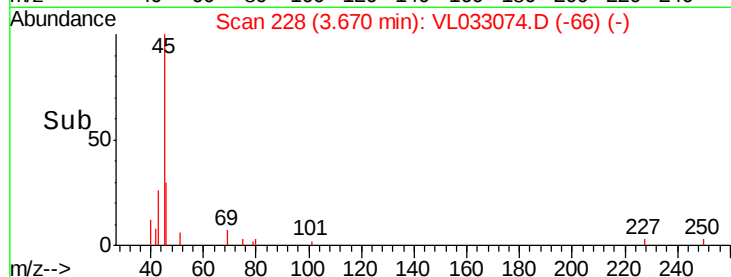
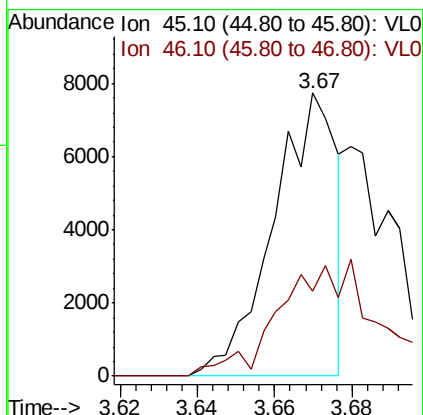
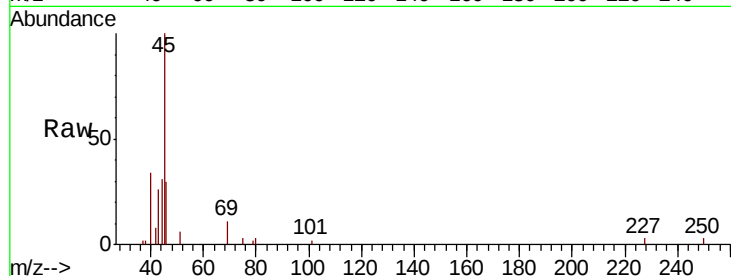




#13
Ethanol
Concen: 0.487 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VL033074.D
Acq: 4 Jan 2019 19:06

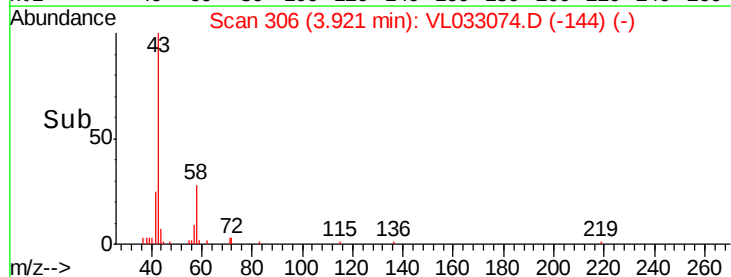
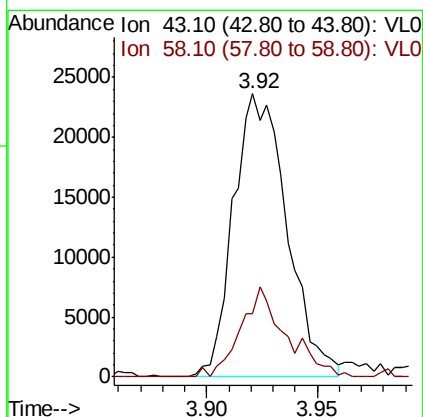
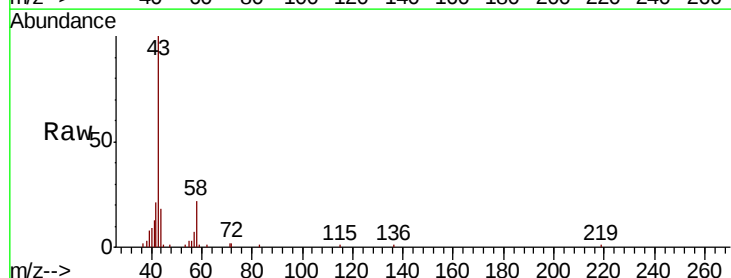
Instrument :
MSVOA_L
ClientSampleId :
SVI-IA1-2018-12-19DL

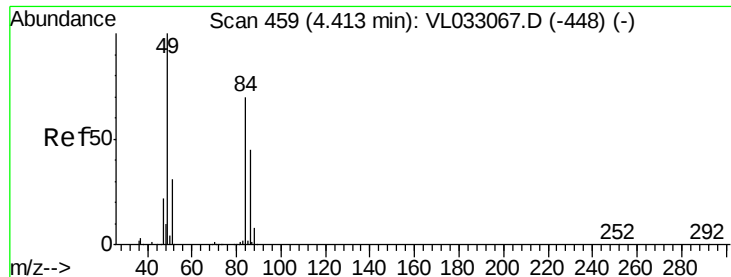
Tgt Ion: 45 Resp: 8757
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#



#15
Acetone
Concen: 0.271 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033074.D
Acq: 4 Jan 2019 19:06

Tgt Ion: 43 Resp: 39942
Ion Ratio Lower Upper
43 100
58 27.1 21.1 31.7





#20

Methylene Chloride

Concen: 0.324 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1-2018-12-19DL

Tgt Ion: 84 Resp: 19923

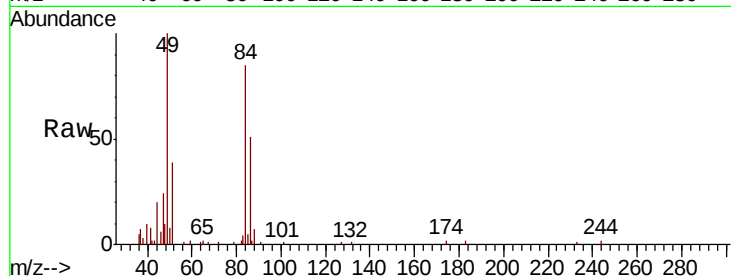
Ion Ratio Lower Upper

84 100

49 115.1 115.8 173.6#

51 45.4 35.7 53.5

86 57.3 49.7 74.5

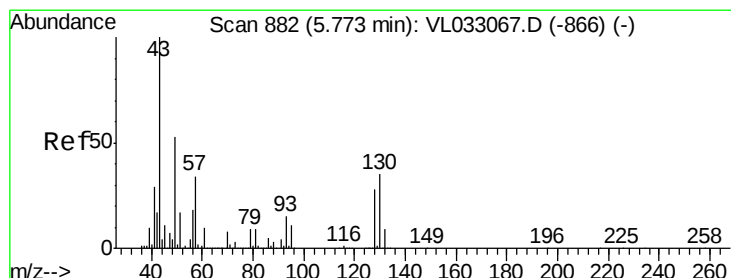
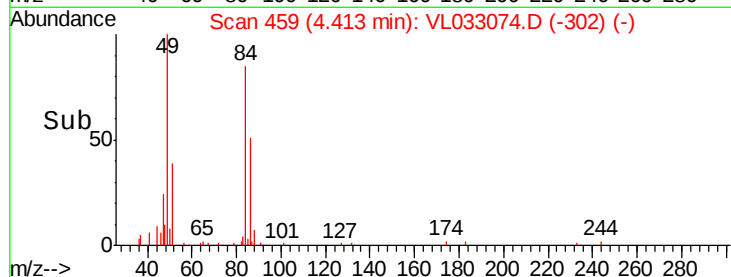
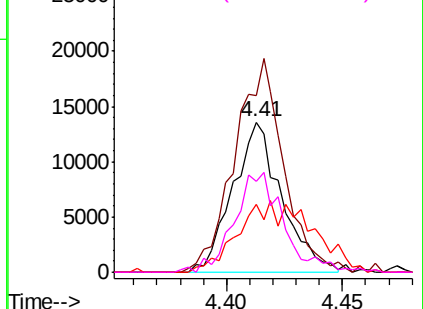


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#25

Ethyl Acetate

Concen: 0.030 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.01 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

Tgt Ion: 43 Resp: 7523

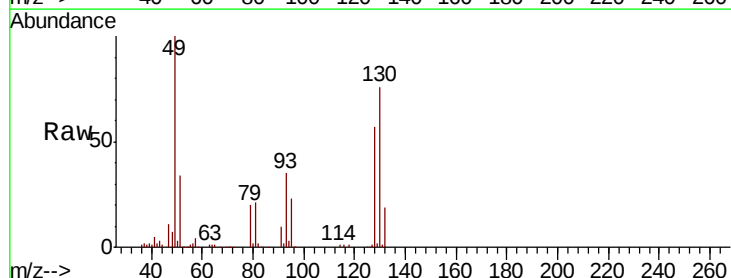
Ion Ratio Lower Upper

43 100

45 3.5 7.9 11.9#

61 0.0 7.8 11.8#

70 2.4 6.0 9.0#

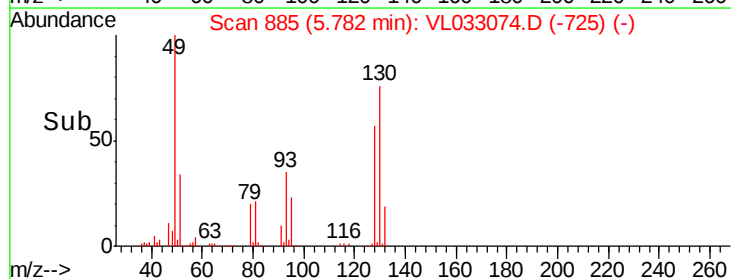
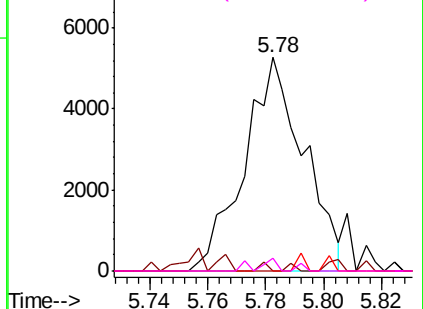


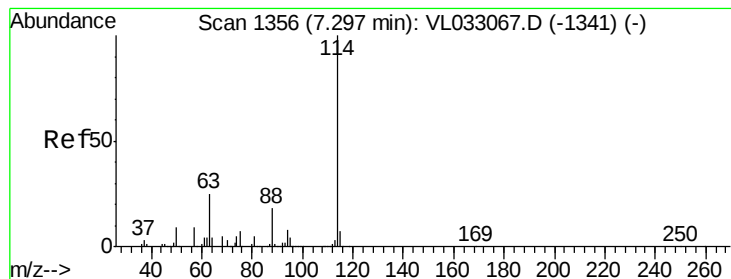
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

Instrument :

MSVOA_L

ClientSampleId :

SVI-IA1-2018-12-19DL

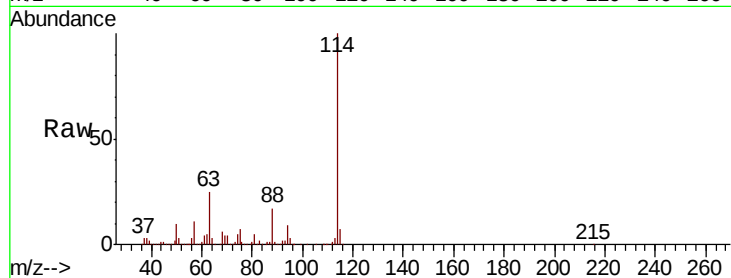
Tgt Ion:114 Resp: 2509986

Ion Ratio Lower Upper

114 100

63 25.7 20.1 30.1

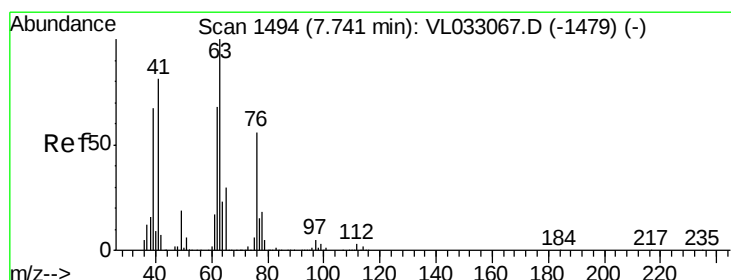
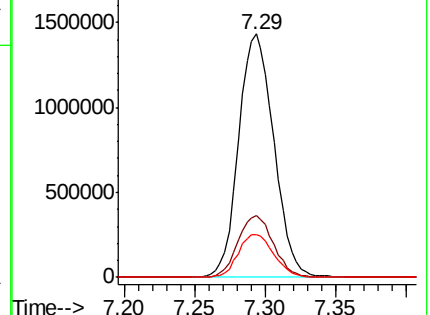
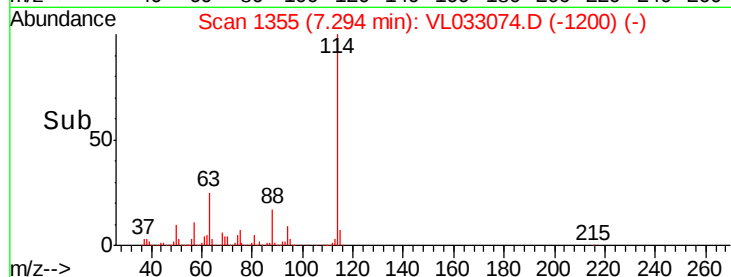
88 17.9 14.0 21.0



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: 8.289 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

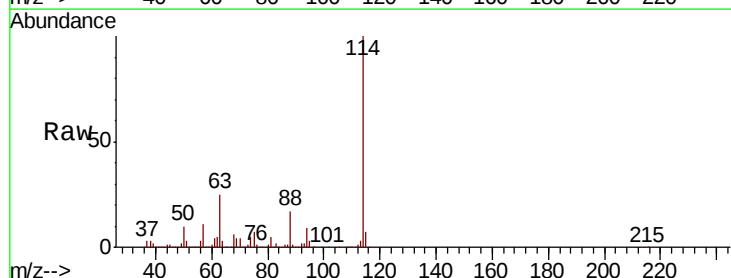
Tgt Ion: 63 Resp: 640222

Ion Ratio Lower Upper

63 100

41 0.1 61.9 92.9#

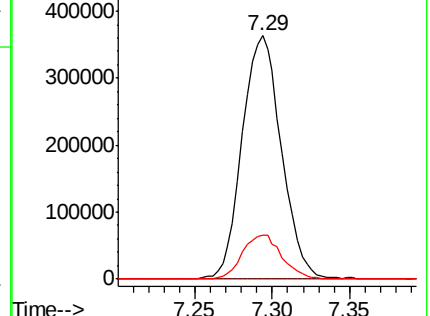
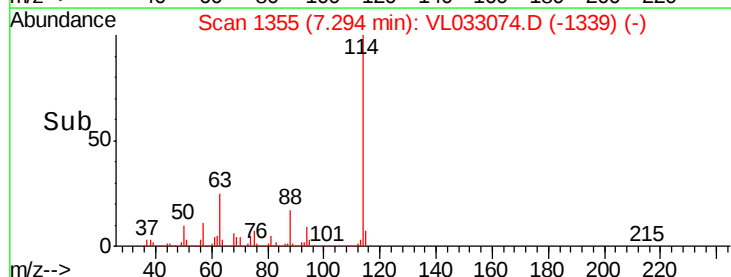
62 18.1 55.8 83.6#

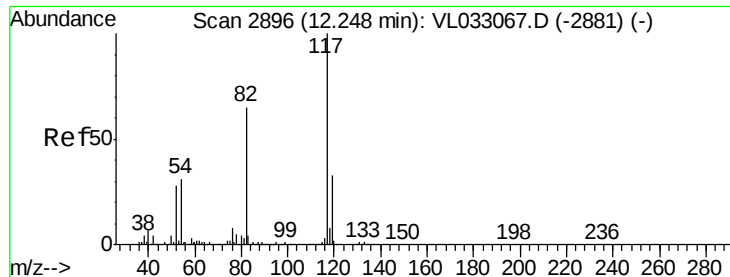


Abundance Ion 63.10 (62.80 to 63.80): VL0

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: 12.25 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

Instrument :

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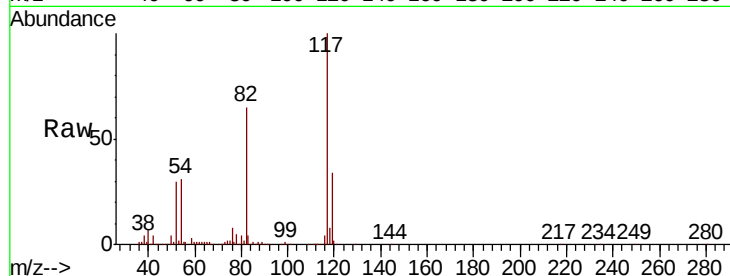
Tgt Ion: 117 Resp: 2389754

Ion Ratio Lower Upper

117 100

82 65.7 48.9 73.3

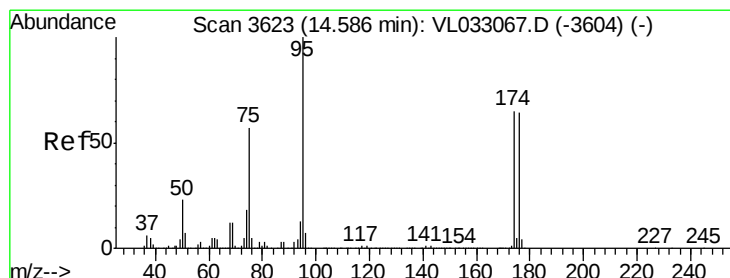
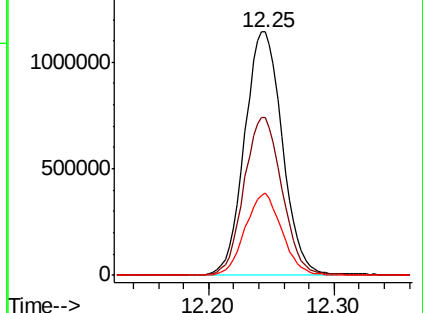
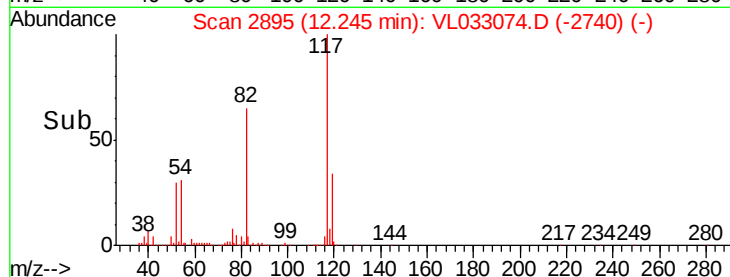
119 32.9 24.6 37.0



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: 9.919 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033074.D

Acq: 4 Jan 2019 19:06

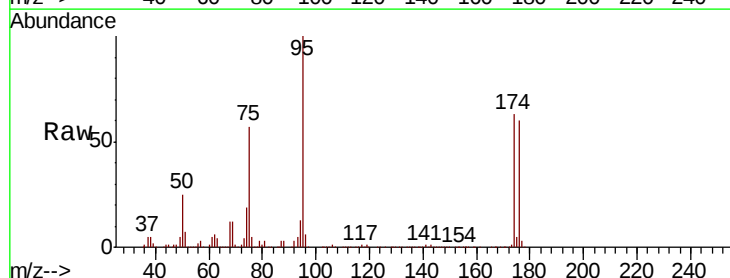
Tgt Ion: 95 Resp: 1817047

Ion Ratio Lower Upper

95 100

174 64.5 51.9 77.9

175 4.6 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

