

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031271.D
 Acq On : 20 Dec 2017 15:24
 Operator : SY/AP
 Sample : I.BLANK
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 I.BLANK

Quant Time: Dec 21 08:35:56 2017
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1577210	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3814870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3731509	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2861942	10.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

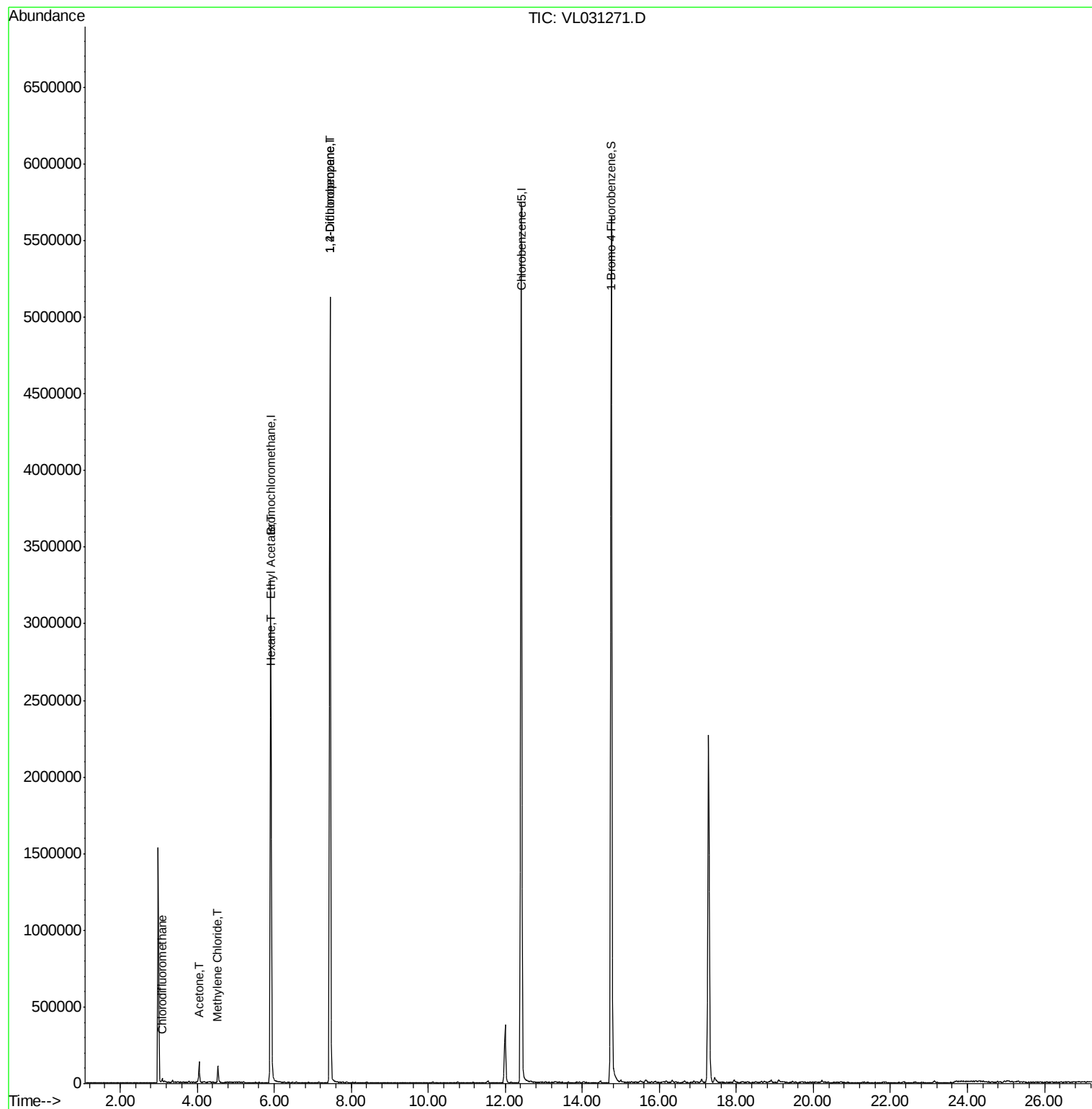
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.09	51	15237	0.08	ppbv #	64
15) Acetone	4.05	43	57910	0.28	ppbv #	76
20) Methylene Chloride	4.54	84	38340	0.56	ppbv #	95
25) Ethyl Acetate	5.93	43	40473	0.10	ppbv #	76
26) Hexane	5.93	57	100318	0.50	ppbv #	43
39) 1,2-Dichloropropane	7.45	63	976951	6.83	ppbv #	27

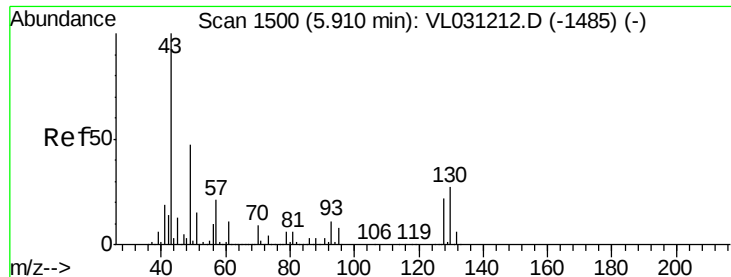
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

Instrument :

MSVOA_L

ClientSampleId :

I.BLANK

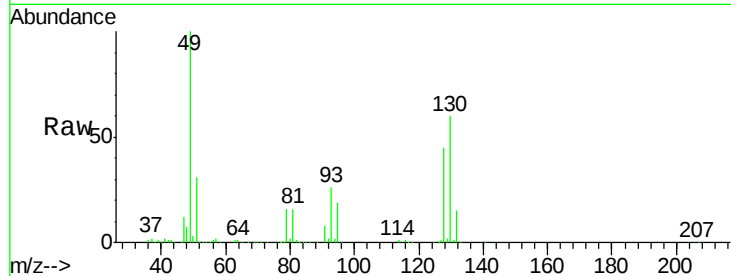
Tgt Ion: 49 Resp: 1577210

Ion Ratio Lower Upper

49 100

128 47.0 23.2 69.5

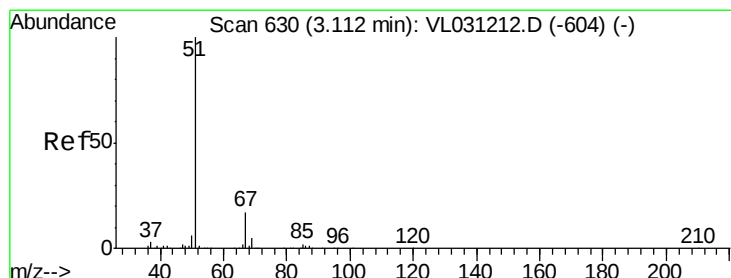
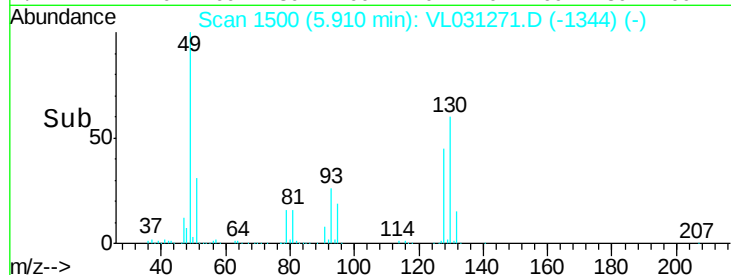
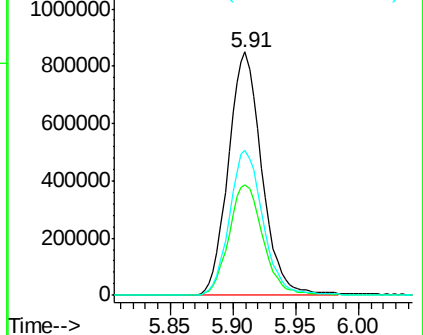
130 60.2 29.6 88.8



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: 0.08 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.02 min

Lab File: VL031271.D

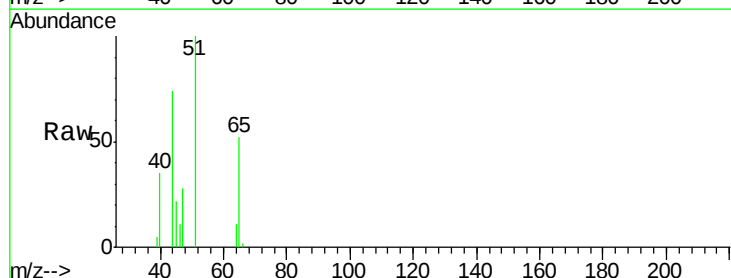
Acq: 20 Dec 2017 15:24

Tgt Ion: 51 Resp: 15237

Ion Ratio Lower Upper

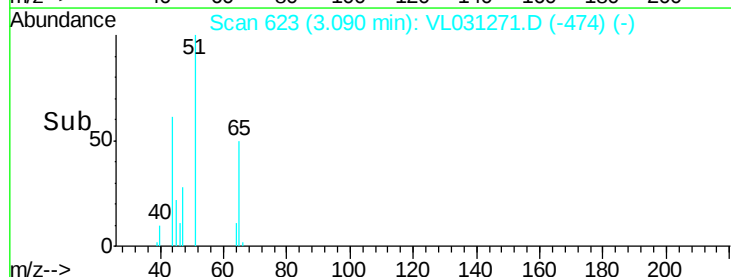
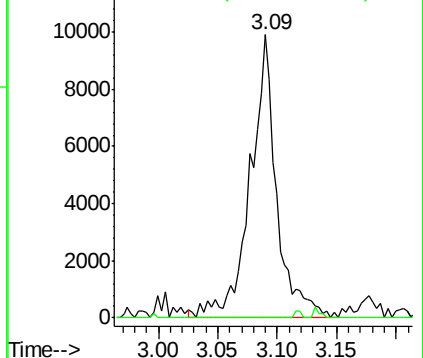
51 100

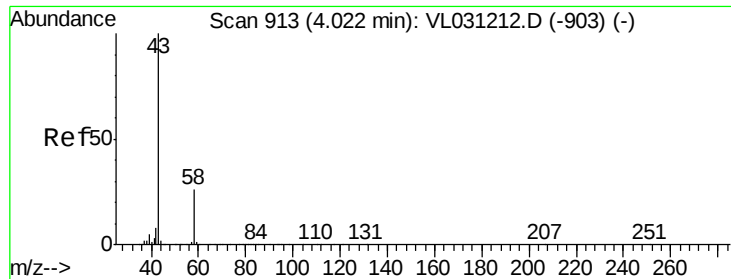
67 1.5 13.8 20.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#15

Acetone

Concen: 0.28 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

Instrument :

MSVOA_L

ClientSampleId :

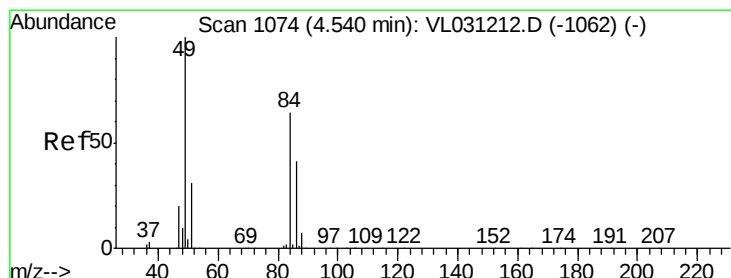
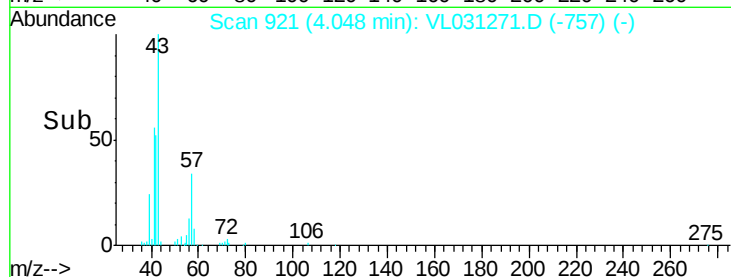
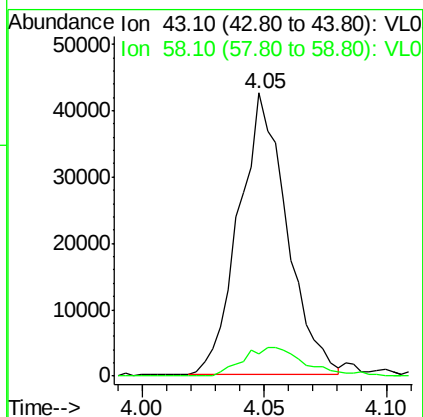
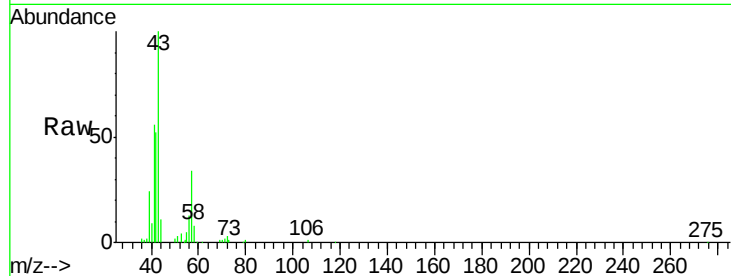
I.BLANK

Tgt Ion: 43 Resp: 57910

Ion Ratio Lower Upper

43 100

58 13.2 20.3 30.5#



#20

Methylene Chloride

Concen: 0.56 ppbv

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

Tgt Ion: 84 Resp: 38340

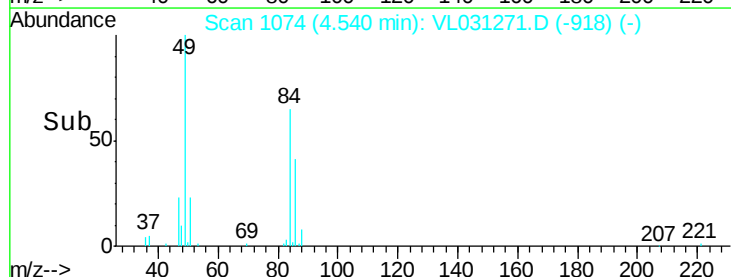
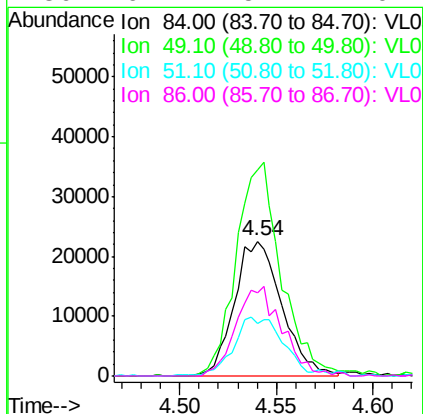
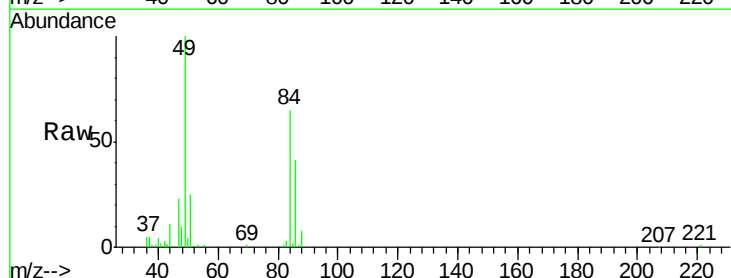
Ion Ratio Lower Upper

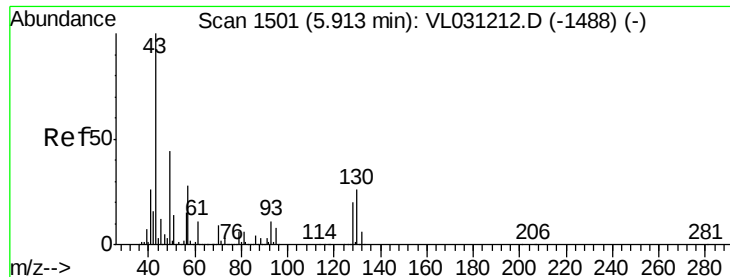
84 100

49 153.2 125.8 188.6

51 37.9 39.3 58.9#

86 62.2 51.1 76.7





#25

Ethyl Acetate

Concen: 0.10 ppbv

RT: 5.93 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

Instrument :

MSVOA_L

ClientSampleId :

I.BLANK

Tgt Ion: 43 Resp: 40473

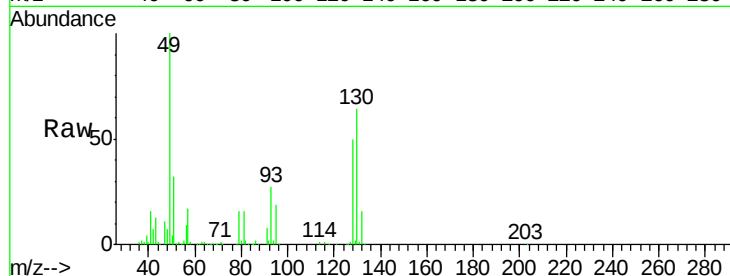
Ion Ratio Lower Upper

43 100

45 0.6 8.0 12.0#

61 0.0 7.4 11.0#

70 0.0 5.8 8.8#

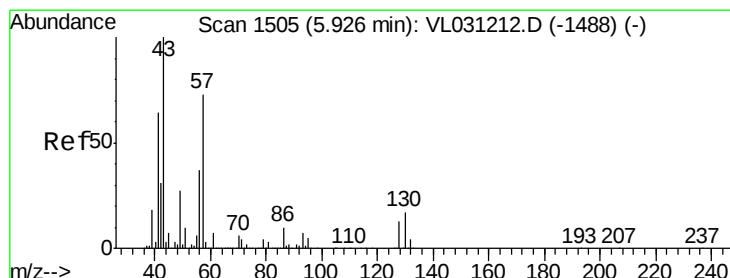
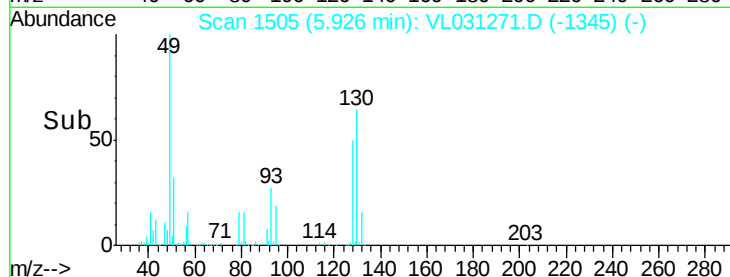
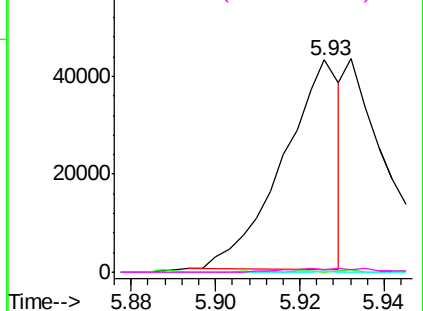


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#26

Hexane

Concen: 0.50 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

Tgt Ion: 57 Resp: 100318

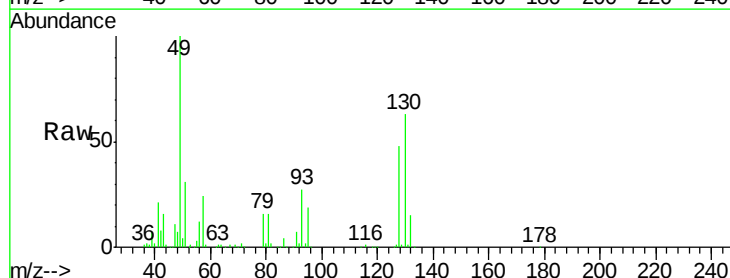
Ion Ratio Lower Upper

57 100

41 93.7 70.3 105.5

43 73.1 173.8 260.8#

56 54.1 41.7 62.5

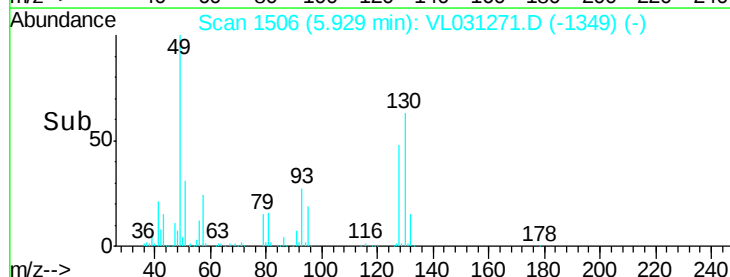
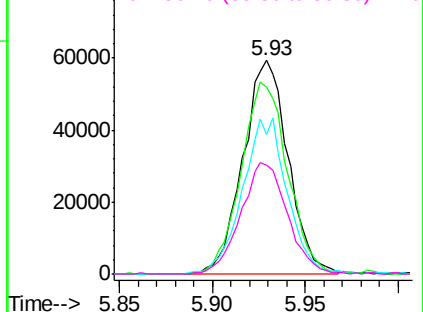


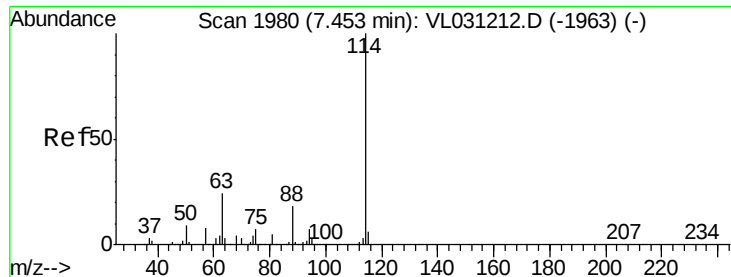
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.00 ppbv

RT: 7.45 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

Instrument :

MSVOA_L

ClientSampleId :

I.BLANK

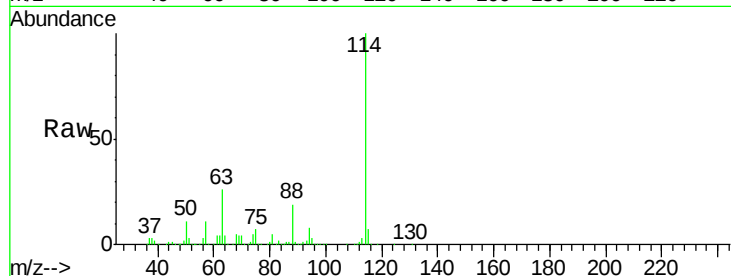
Tgt Ion:114 Resp: 3814870

Ion Ratio Lower Upper

114 100

63 25.8 19.8 29.8

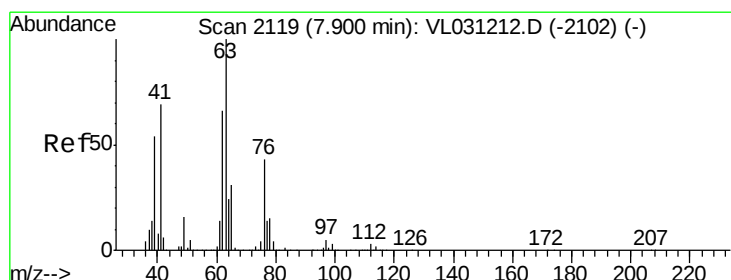
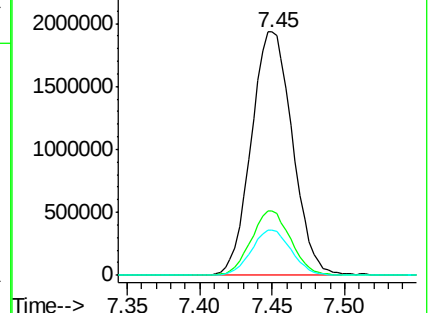
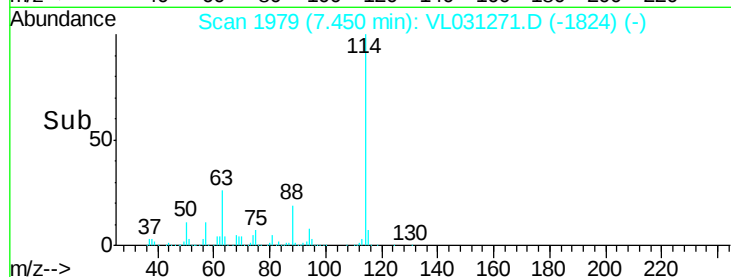
88 18.2 14.2 21.4



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: 6.83 ppbv

RT: 7.45 min Scan# 1978

Delta R.T. -0.45 min

Lab File: VL031271.D

Acq: 20 Dec 2017 15:24

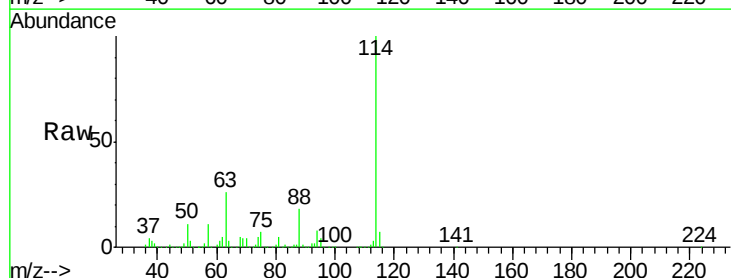
Tgt Ion: 63 Resp: 976951

Ion Ratio Lower Upper

63 100

41 0.0 55.2 82.8#

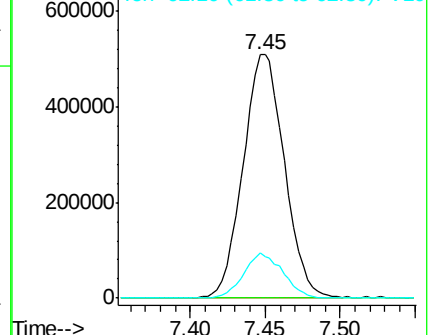
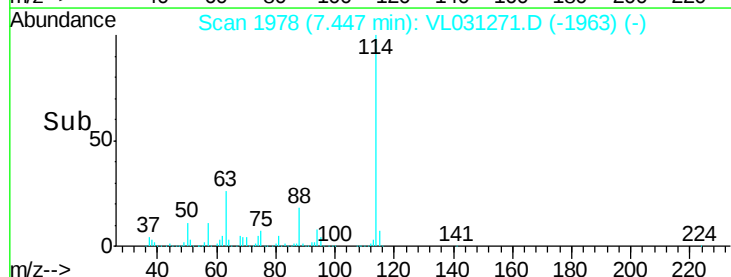
62 18.4 53.0 79.4#

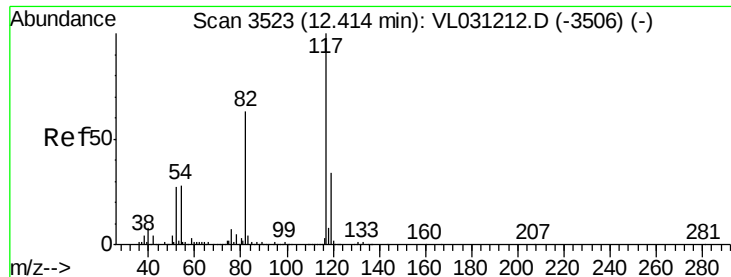


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

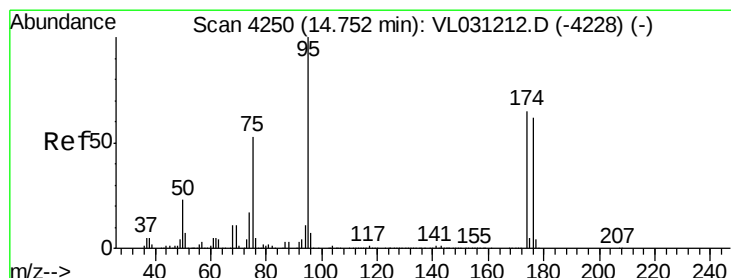
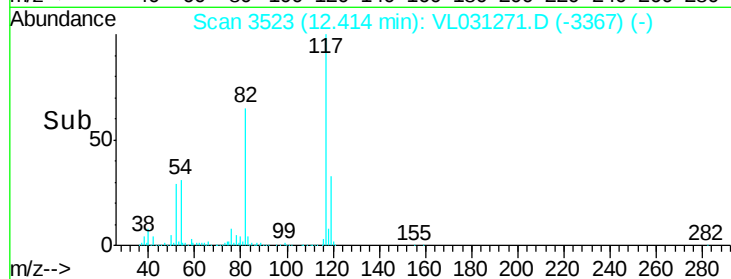
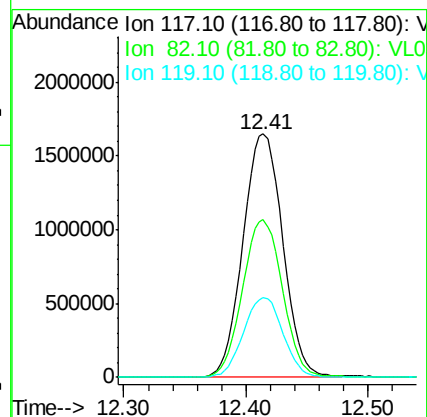
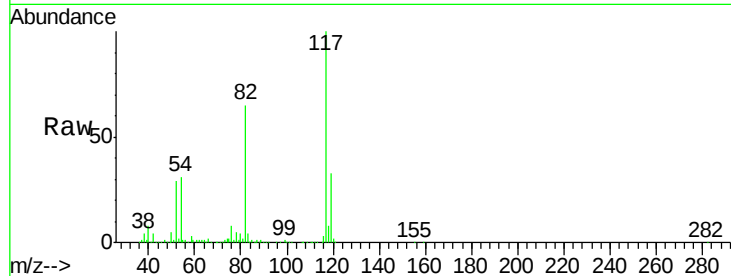




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031271.D
Acq: 20 Dec 2017 15:24

Instrument :
MSVOA_L
ClientSampleId :
I.BLANK

Tgt Ion: 117 Resp: 3731509
Ion Ratio Lower Upper
117 100
82 65.5 48.1 72.1
119 32.7 23.1 34.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.78 ppbv
RT: 14.75 min Scan# 4250
Delta R.T. 0.00 min
Lab File: VL031271.D
Acq: 20 Dec 2017 15:24

Tgt Ion: 95 Resp: 2861942
Ion Ratio Lower Upper
95 100
174 61.4 52.5 78.7
175 4.5 4.1 6.1

