

Data File : VL032558.D
Acq On : 27 Sep 2018 20:48
Operator : SY/AP
Sample : J5136-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
249DL

Quant Time: Sep 28 02:09:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1441031	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3085160	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3153054	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2331868	9.81	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

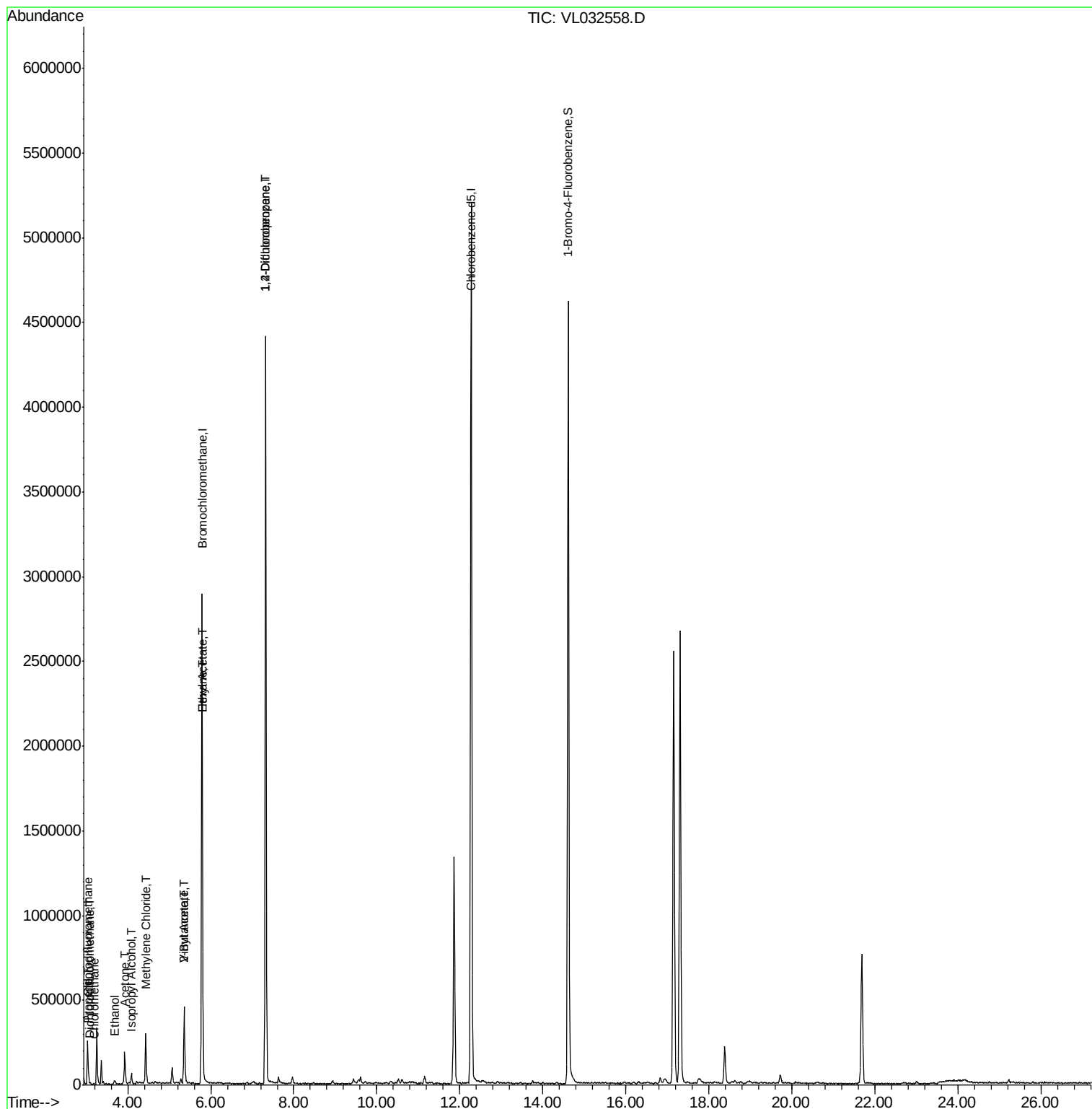
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	5795	0.043	ppbv	92
3) Chlorodifluoromethane	3.03	51	230732	1.925	ppbv	100
4) Chloromethane	3.19	50	2292	0.033	ppbv	93
9) Propene	3.06	41	22491	0.433	ppbv	99
13) Ethanol	3.68	45	21924	1.403	ppbv	91
15) Acetone	3.93	43	183449	1.450	ppbv #	78
19) Isopropyl Alcohol	4.07	45	4383	0.050	ppbv #	93
20) Methylene Chloride	4.43	84	96141	1.570	ppbv	98
23) Vinyl Acetate	5.36	43	532236	2.381	ppbv #	88
25) Ethyl Acetate	5.81	43	12519	0.041	ppbv #	82
26) Hexane	5.81	57	32281	0.233	ppbv #	38
34) 2-Butanone	5.36	43	532236	2.897	ppbv	100
39) 1,2-Dichloropropane	7.32	63	827291	7.363	ppbv #	25

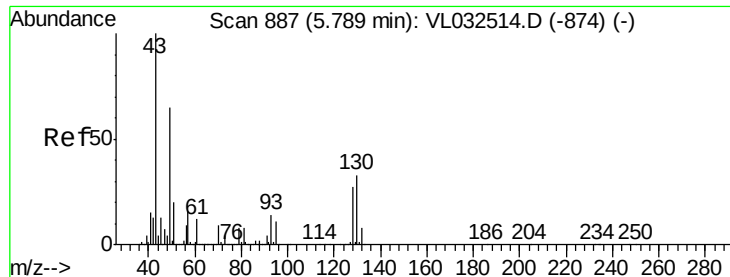
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032558.D

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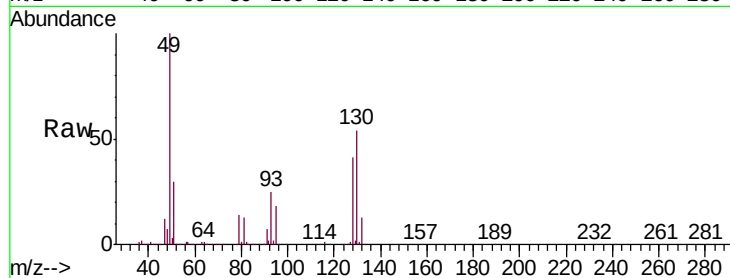
Tgt Ion: 49 Resp: 1441031

Ion Ratio Lower Upper

49 100

128 42.9 20.7 62.1

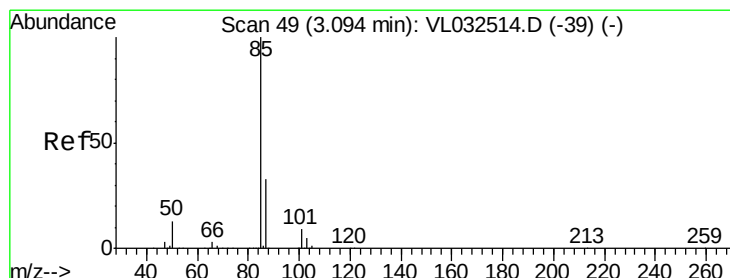
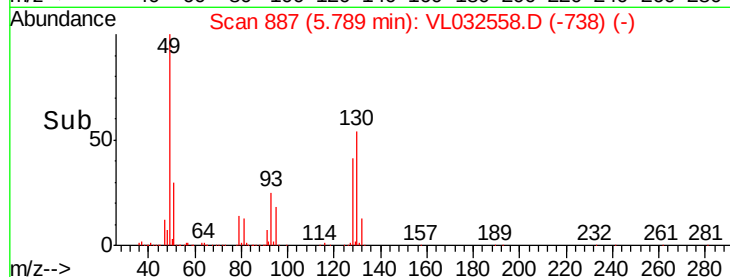
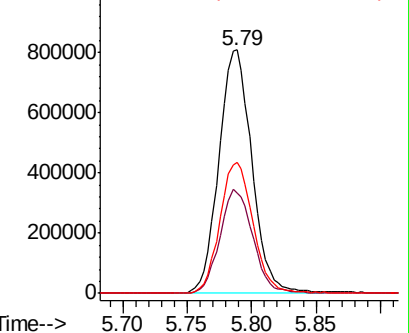
130 54.7 26.6 79.7



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: 0.043 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL032558.D

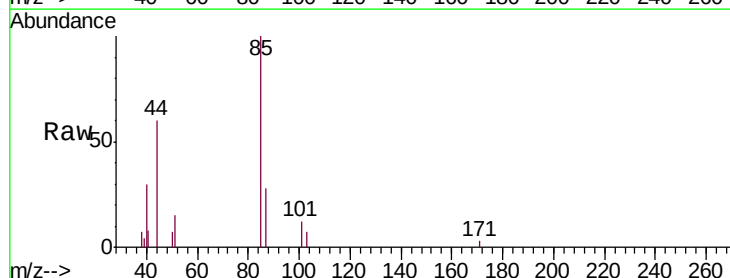
Acq: 27 Sep 2018 20:48

Tgt Ion: 85 Resp: 5795

Ion Ratio Lower Upper

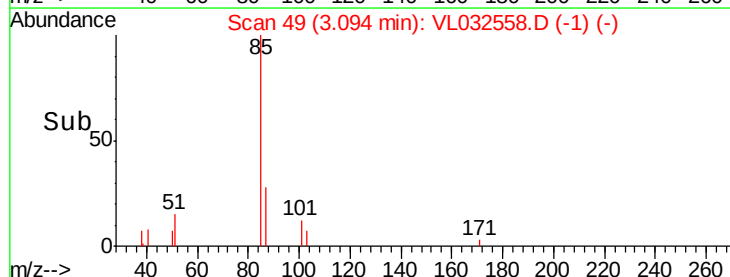
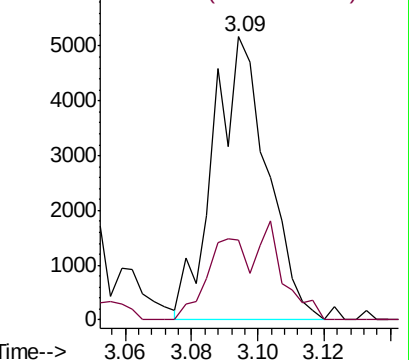
85 100

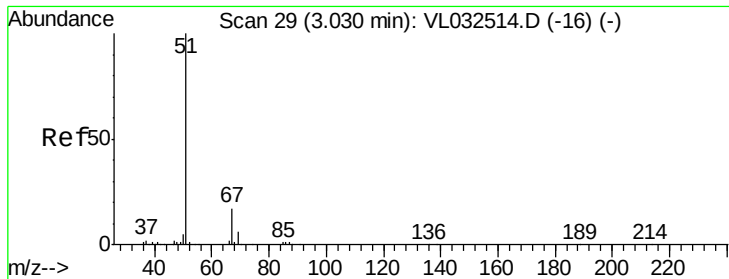
87 28.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

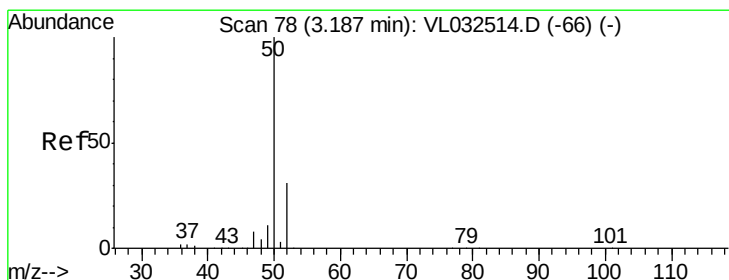
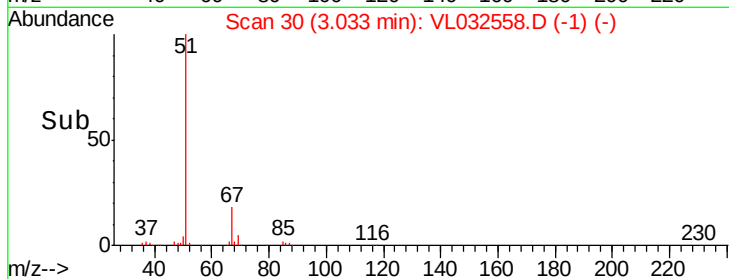
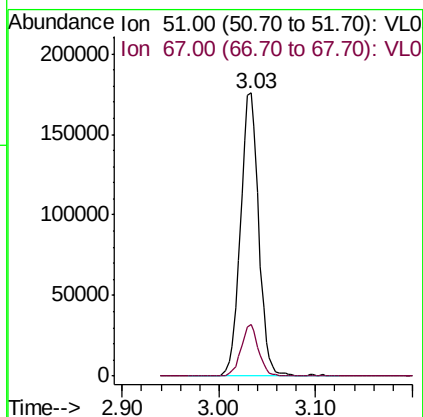
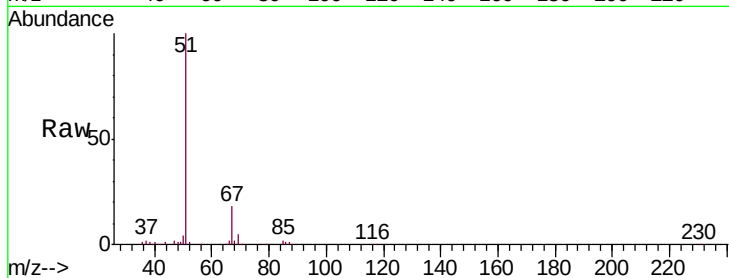




#3
Chlorodifluoromethane
Concen: 1.925 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

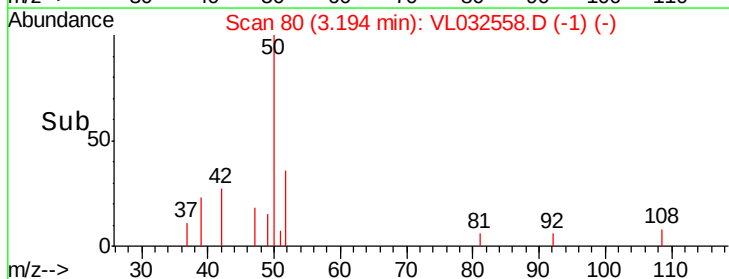
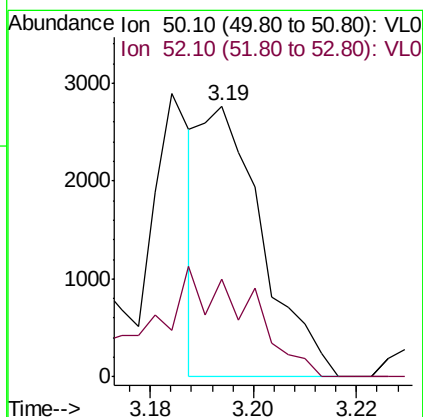
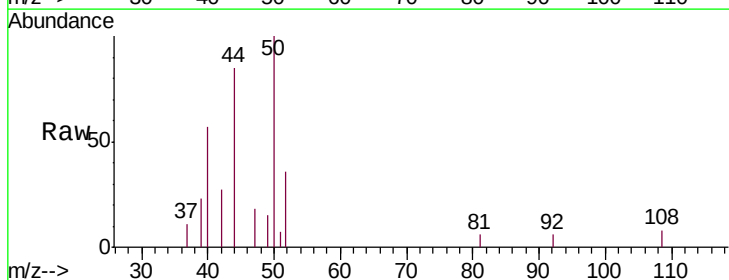
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MSVOA_L
ClientSampleId :
249DL

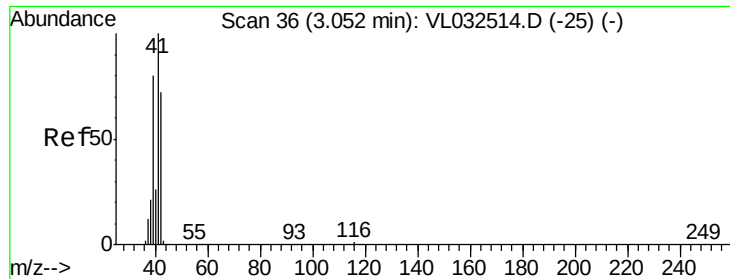
Tgt Ion: 51 Resp: 230732
Ion Ratio Lower Upper
51 100
67 17.4 13.8 20.8



#4
Chloromethane
Concen: 0.033 ppbv
RT: 3.19 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Tgt Ion: 50 Resp: 2292
Ion Ratio Lower Upper
50 100
52 36.0 25.6 38.4





#9

Propene

Concen: 0.433 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Instrument :

MSVOA_L

ClientSampleId :

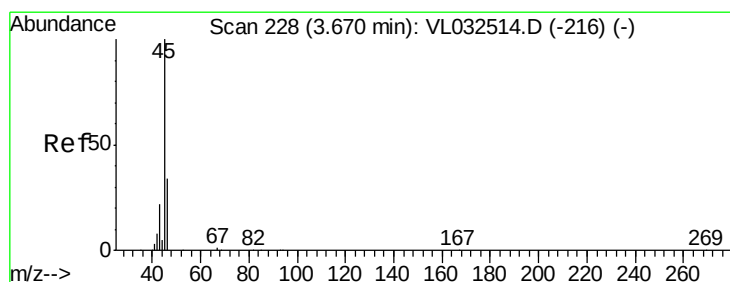
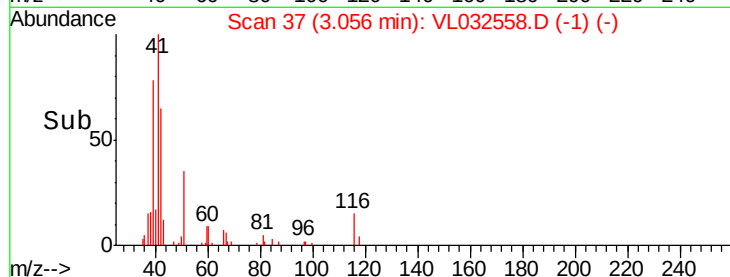
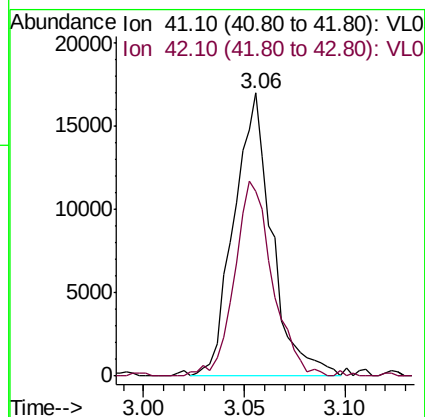
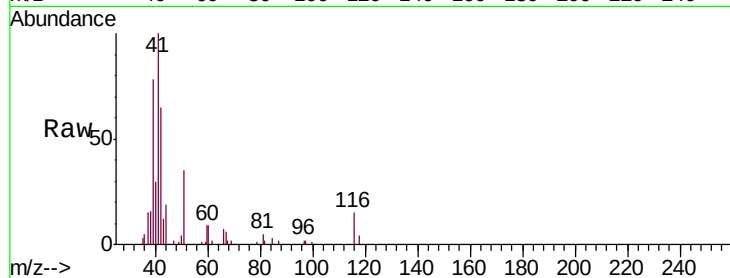
249DL

Tgt Ion: 41 Resp: 22491

Ion Ratio Lower Upper

41 100

42 69.9 56.6 84.8



#13

Ethanol

Concen: 1.403 ppbv

RT: 3.68 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL032558.D

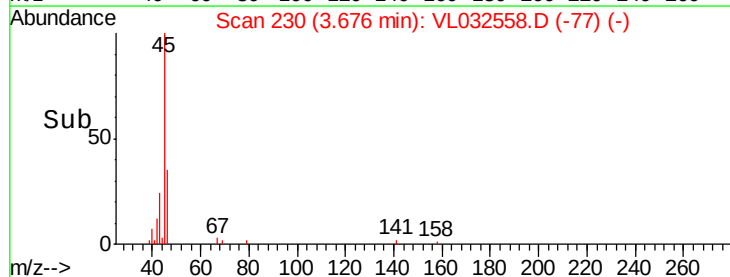
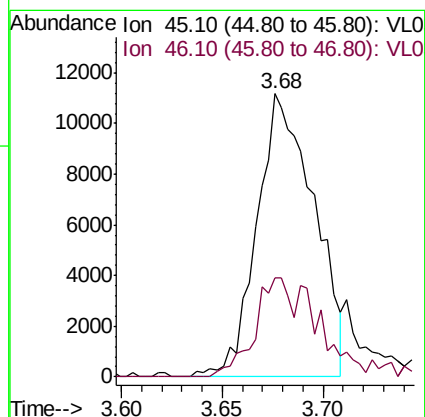
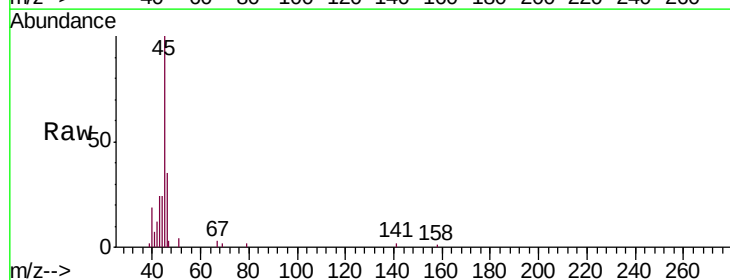
Acq: 27 Sep 2018 20:48

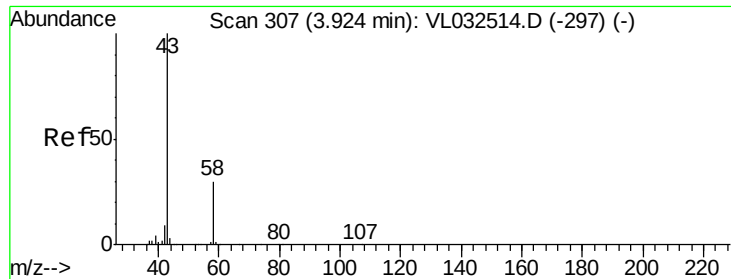
Tgt Ion: 45 Resp: 21924

Ion Ratio Lower Upper

45 100

46 40.5 14.2 56.8





#15

Acetone

Concen: 1.450 ppbv

RT: 3.93 min Scan# 308

Delta R.T. -0.01 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Instrument :

MSVOA_L

ClientSampleID :

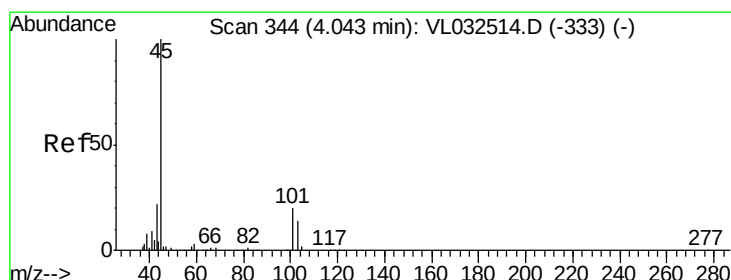
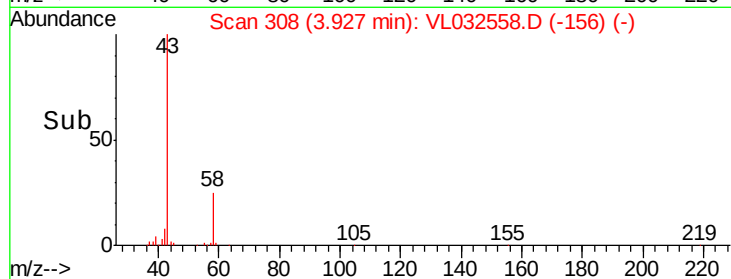
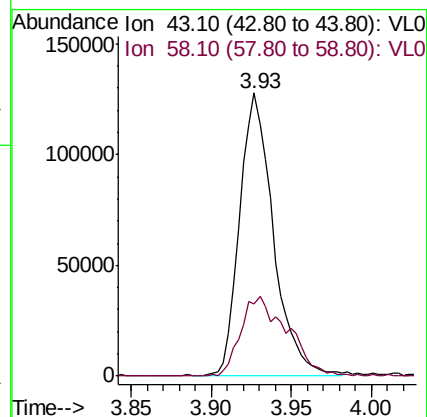
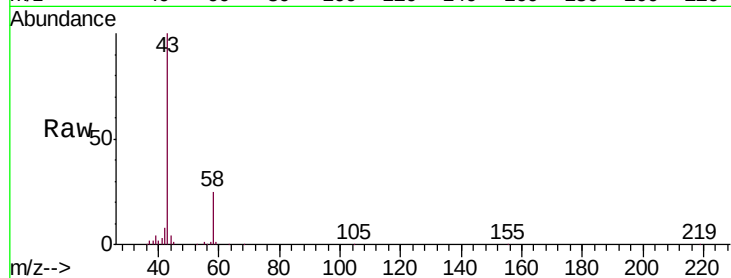
249DL

Tgt Ion: 43 Resp: 183449

Ion Ratio Lower Upper

43 100

58 39.7 22.6 33.8#



#19

Isopropyl Alcohol

Concen: 0.050 ppbv

RT: 4.07 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL032558.D

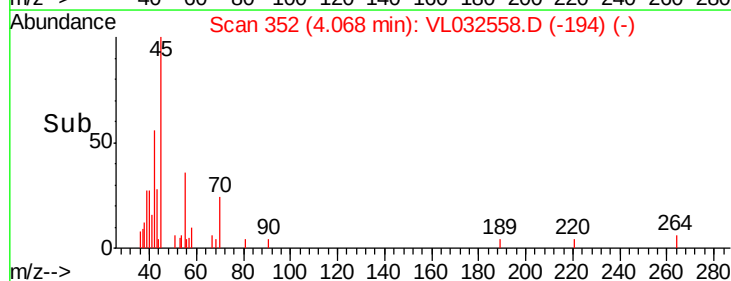
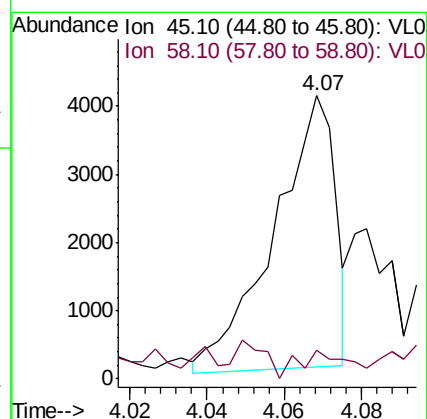
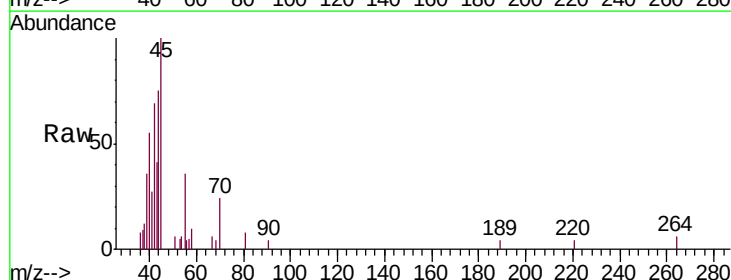
Acq: 27 Sep 2018 20:48

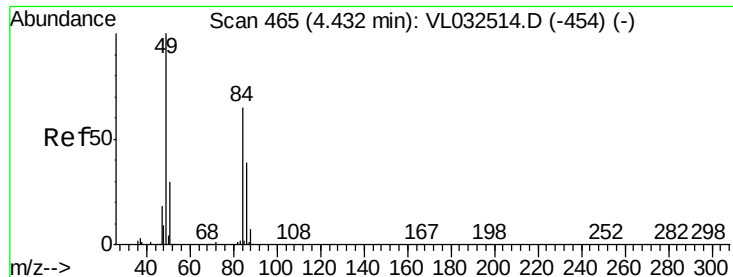
Tgt Ion: 45 Resp: 4383

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

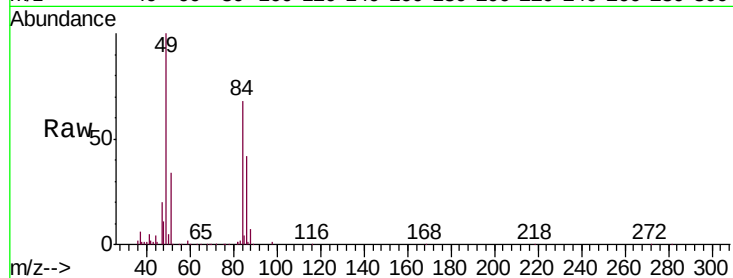




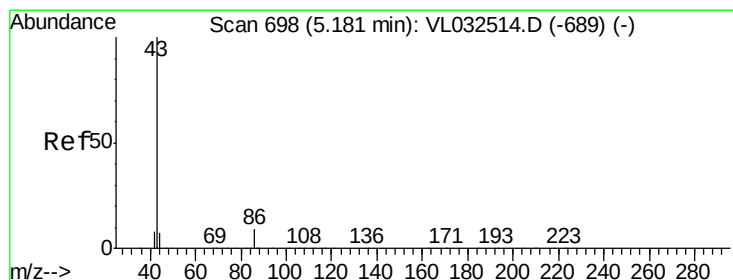
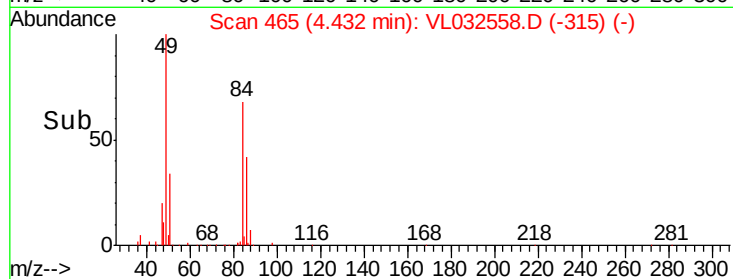
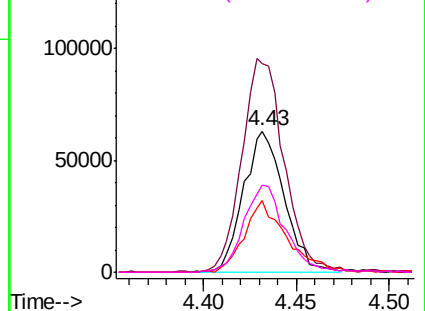
#20
Methylene Chloride
Concen: 1.570 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Instrument :
MSVOA_L
ClientSampled :
249DL

Tgt Ion:	84	Resp:	96141
Ion	Ratio	Lower	Upper
84	100		
49	147.7	119.1	178.7
51	50.7	35.2	52.8
86	61.8	49.4	74.2

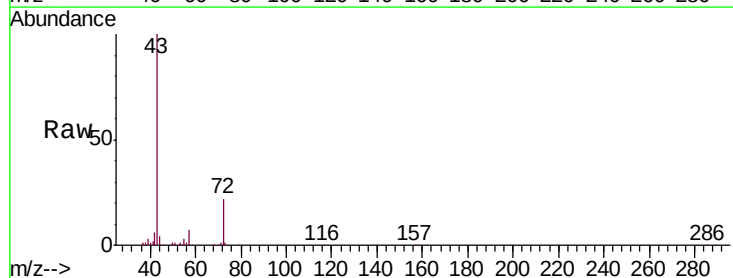


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

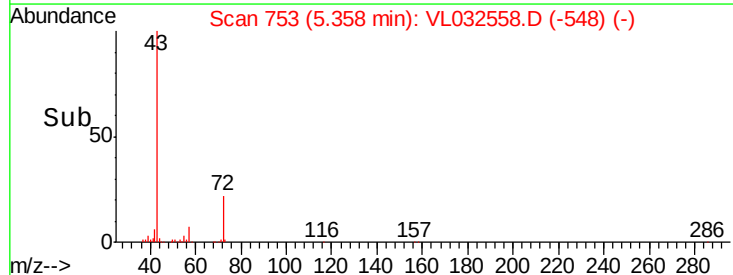
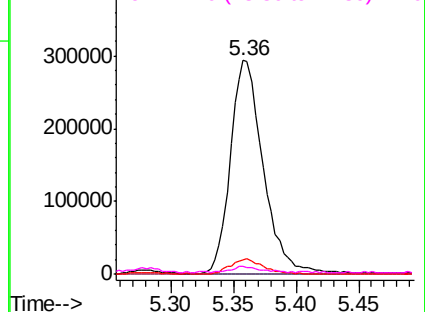


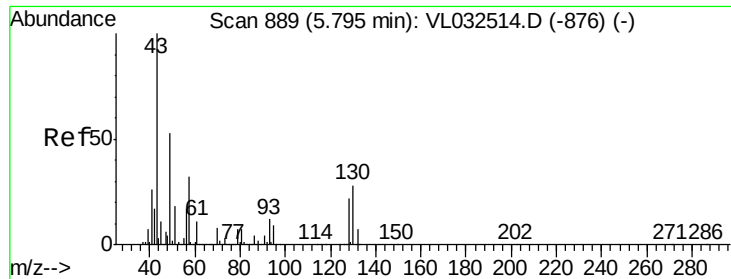
#23
Vinyl Acetate
Concen: 2.381 ppbv
RT: 5.36 min Scan# 753
Delta R.T. 0.16 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Tgt Ion:	43	Resp:	532236
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	6.4	6.9	10.3#
44	3.0	4.6	7.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 0.041 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Instrument :

MSVOA_L

ClientSampleId :

249DL

Tgt Ion: 43 Resp: 12519

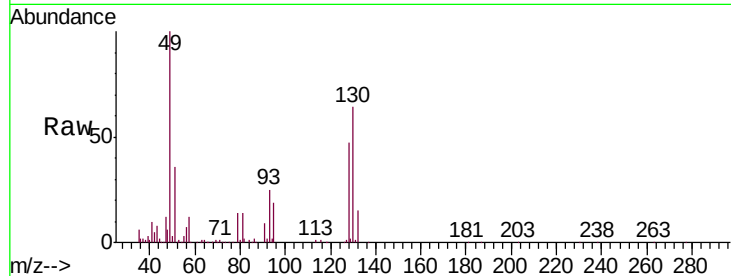
Ion Ratio Lower Upper

43 100

45 0.0 8.0 12.0#

61 2.1 7.6 11.4#

70 5.9 5.8 8.8

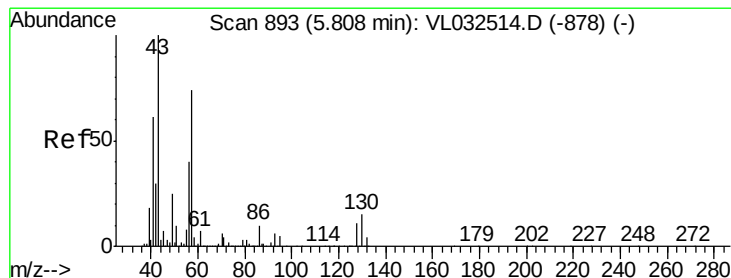
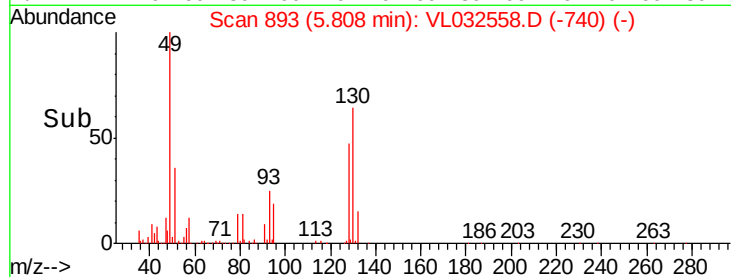
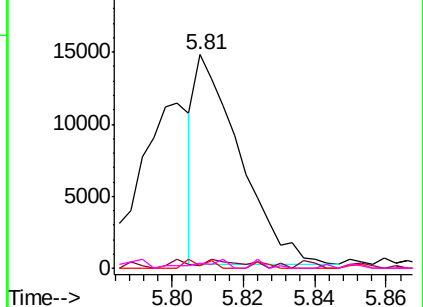


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.233 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Tgt Ion: 57 Resp: 32281

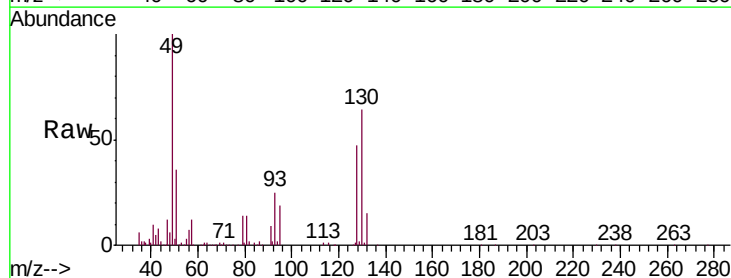
Ion Ratio Lower Upper

57 100

41 105.1 69.0 103.4#

43 73.4 172.1 258.1#

56 67.8 42.2 63.2#

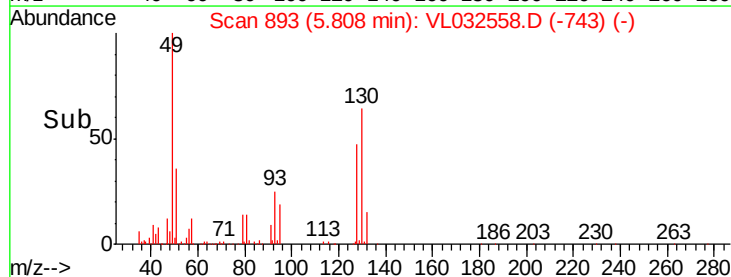
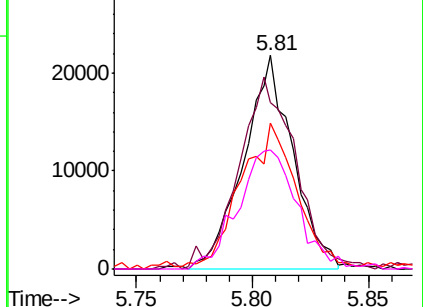


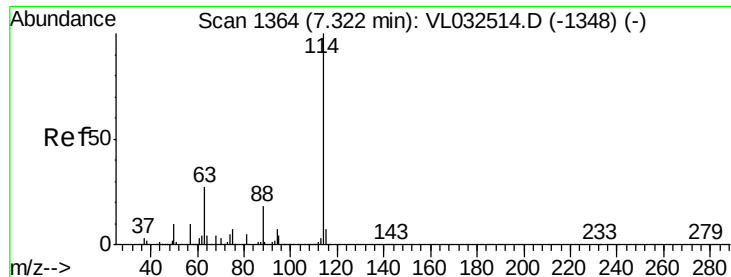
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

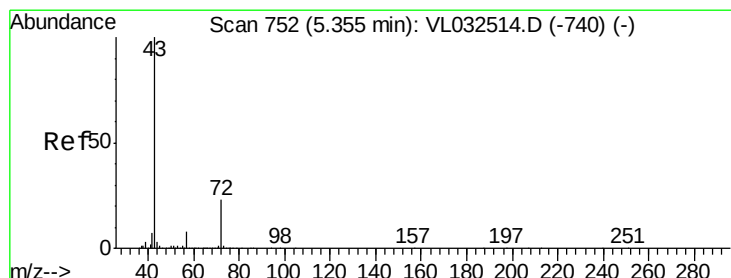
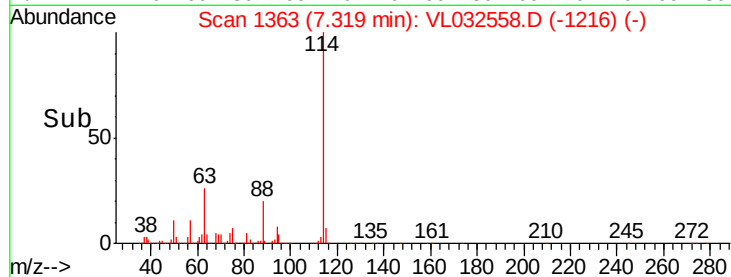
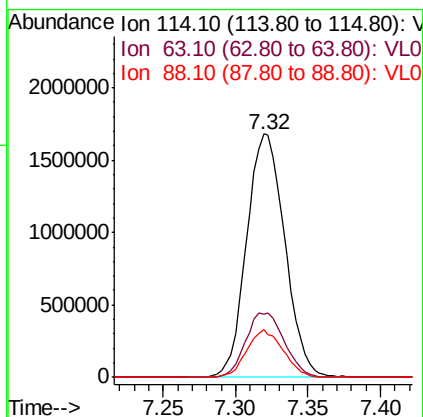
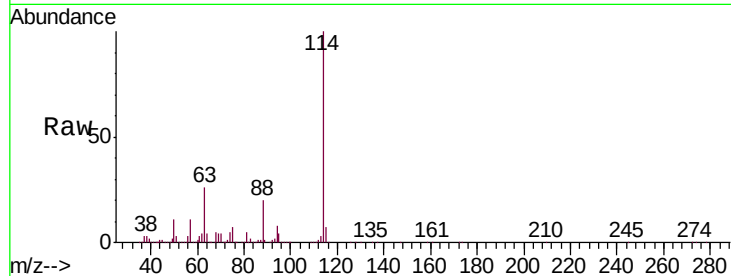




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032558.D
 Acq: 27 Sep 2018 20:48

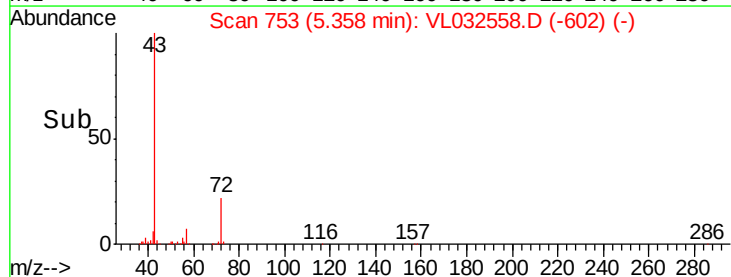
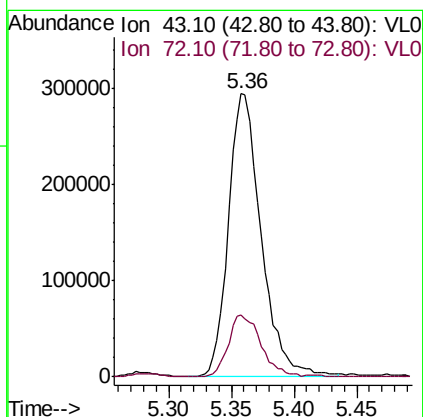
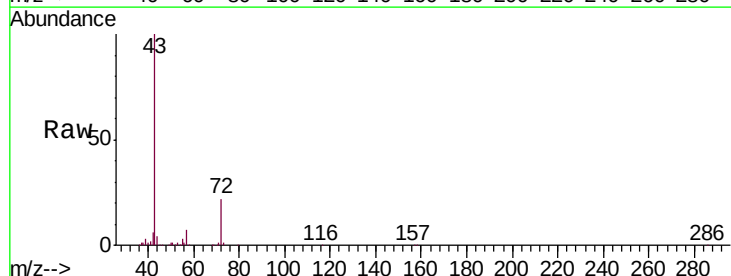
Instrument :
 MSVOA_L
 ClientSampleId :
 249DL

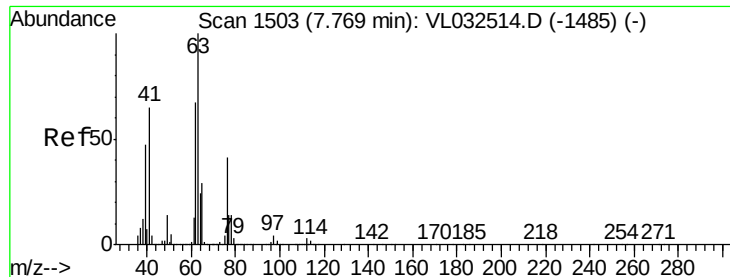
Tgt Ion:114 Resp: 3085160
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.2 33.4
 88 18.6 15.0 22.4



#34
 2-Butanone
 Concen: 2.897 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VL032558.D
 Acq: 27 Sep 2018 20:48

Tgt Ion: 43 Resp: 532236
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6





#39

1,2-Dichloropropane

Concen: 7.363 ppbv

RT: 7.32 min Scan# 1364

Delta R.T. -0.47 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Instrument :

MSVOA_L

ClientSampleId :

249DL

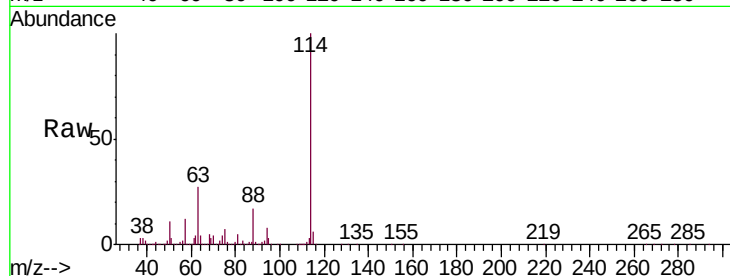
Tgt Ion: 63 Resp: 827291

Ion Ratio Lower Upper

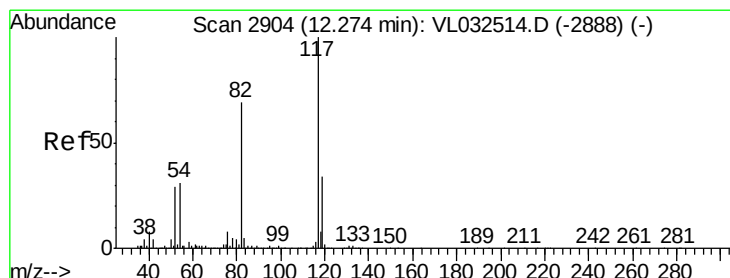
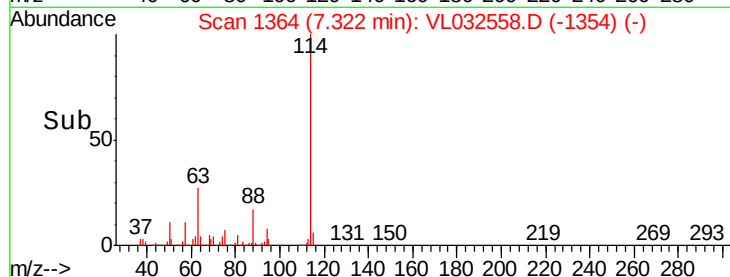
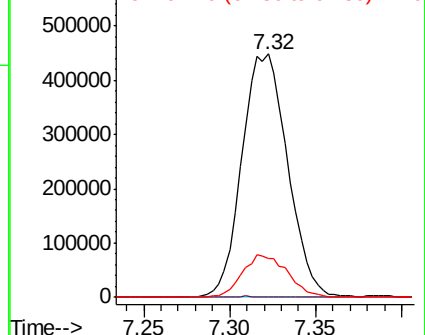
63 100

41 0.1 55.4 83.0#

62 16.0 55.4 83.0#



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: 12.27 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

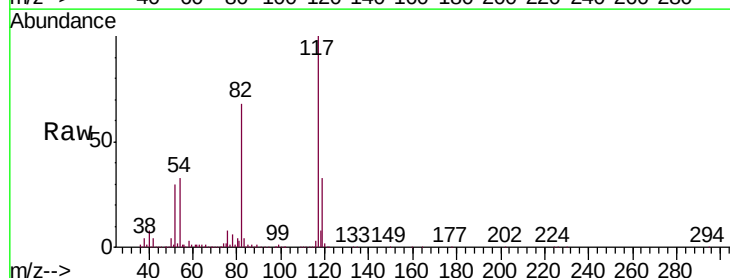
Tgt Ion: 117 Resp: 3153054

Ion Ratio Lower Upper

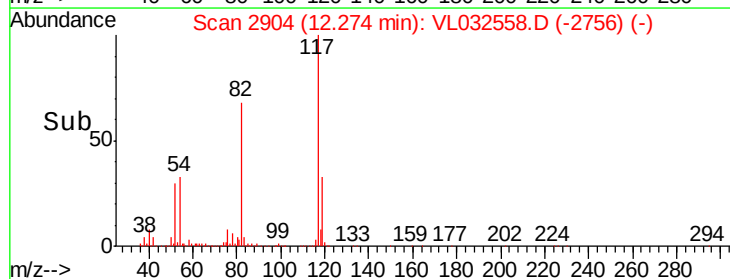
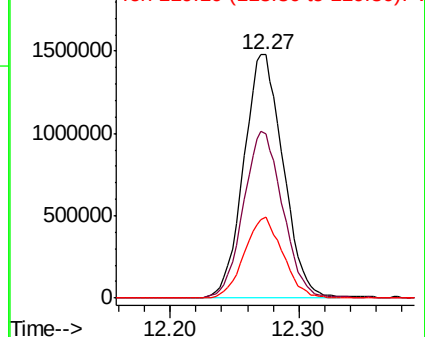
117 100

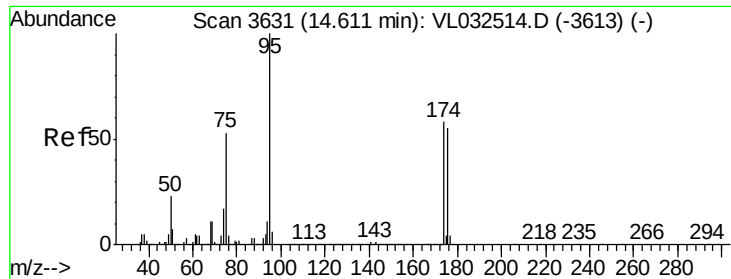
82 68.6 53.0 79.6

119 32.5 45.9 68.9#



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: 9.807 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Instrument :

MSVOA_L

ClientSampleId :

249DL

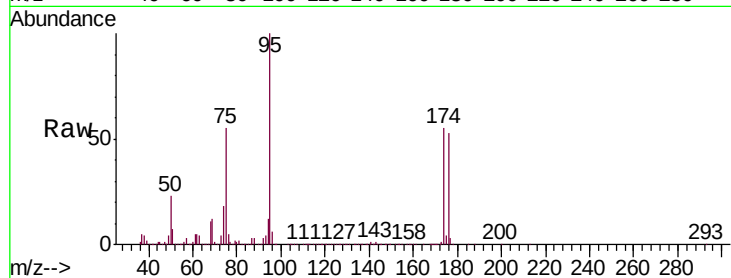
Tgt Ion: 95 Resp: 2331868

Ion Ratio Lower Upper

95 100

174 57.8 46.3 69.5

175 4.3 3.4 5.0



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

