

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032162.D
 Acq On : 30 Jun 2018 9:12
 Operator : SY/AP
 Sample : J3601-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUPEDL

Quant Time: Jul 02 00:49:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1684894	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4203881	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	4075499	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.68	95	3085685	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%	

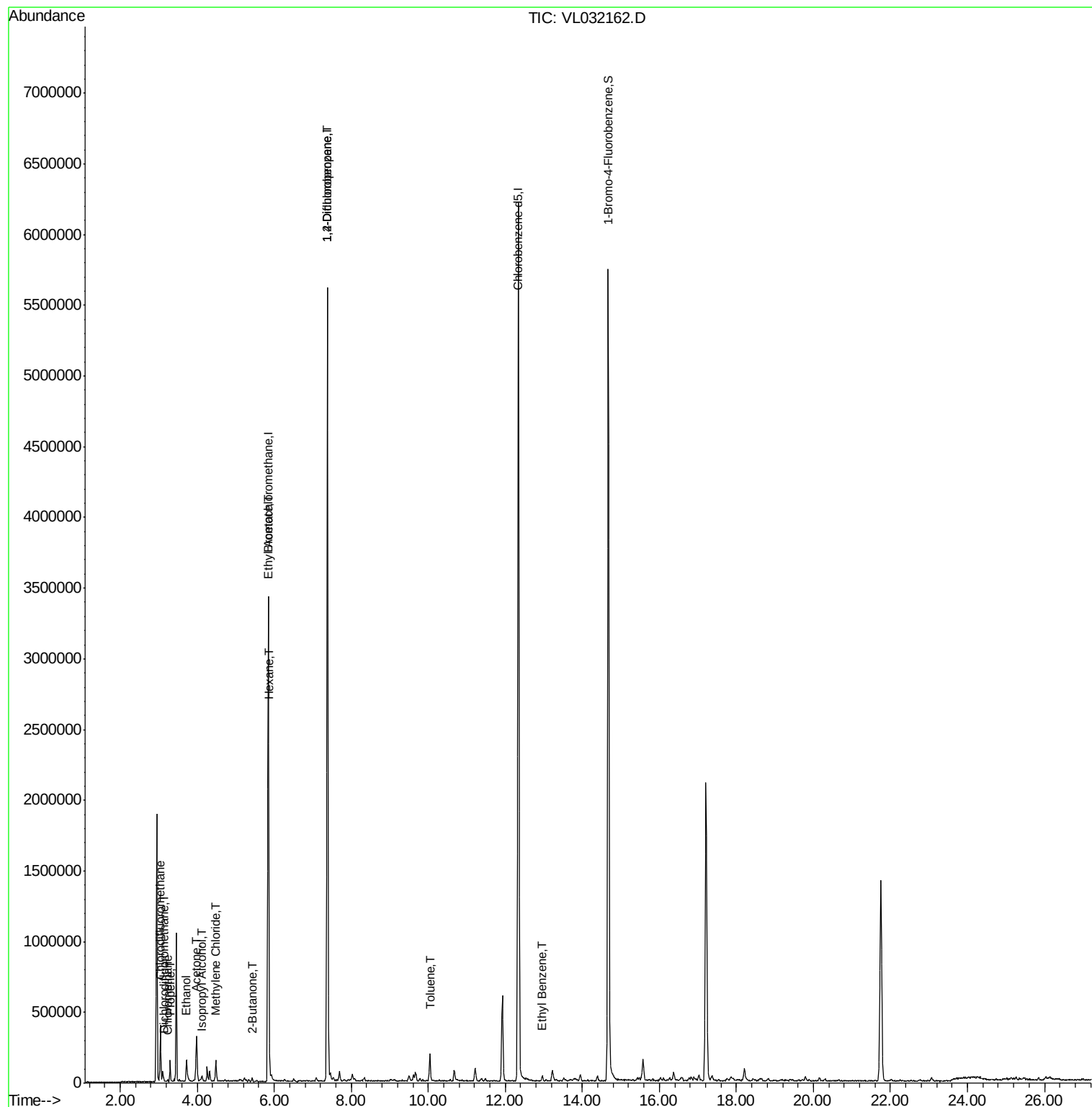
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	14688	0.066	ppbv	94
3) Chlorodifluoromethane	3.04	51	244572	1.188	ppbv #	65
4) Chloromethane	3.23	50	6321	0.058	ppbv #	79
9) Propene	3.30	41	30938	0.322	ppbv	85
13) Ethanol	3.72	45	181106	6.226	ppbv	97
15) Acetone	3.97	43	355534	1.805	ppbv	94
19) Isopropyl Alcohol	4.13	45	10157	0.062	ppbv #	38
20) Methylene Chloride	4.48	84	50543	0.702	ppbv	96
25) Ethyl Acetate	5.86	43	122842	0.301	ppbv	99
26) Hexane	5.86	57	69049	0.368	ppbv	88
34) 2-Butanone	5.42	43	12577	0.047	ppbv #	53
39) 1,2-Dichloropropane	7.38	63	1082796	6.748	ppbv #	26
53) Toluene	10.04	91	144121	0.293	ppbv	99
58) Ethyl Benzene	12.96	91	32659	0.050	ppbv	95

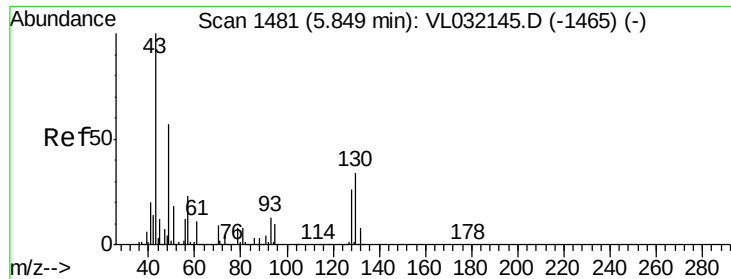
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032162.D
Acq On : 30 Jun 2018 9:12
Operator : SY/AP
Sample : J3601-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DUPEDL

Quant Time: Jul 02 00:49:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

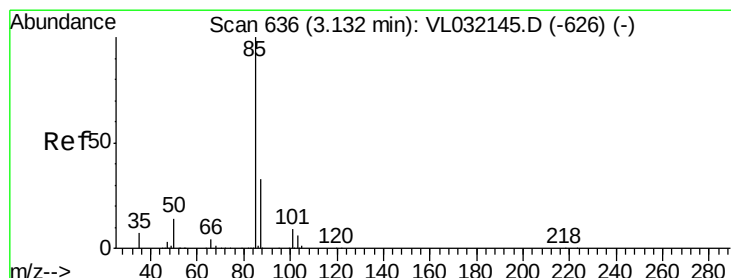
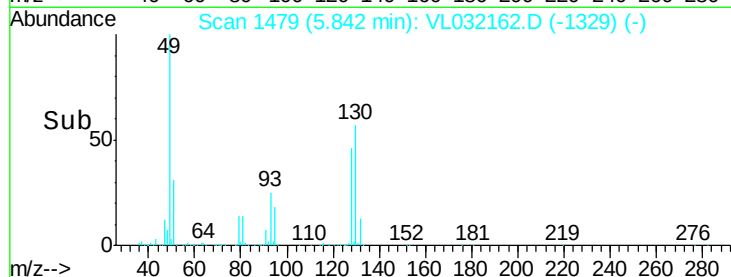
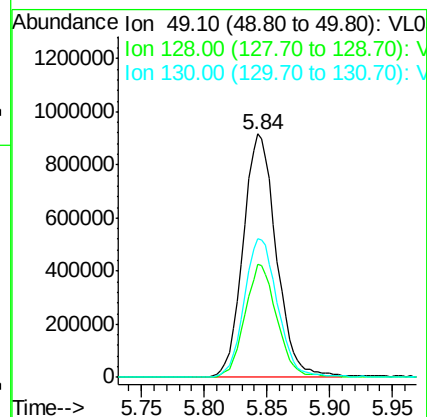
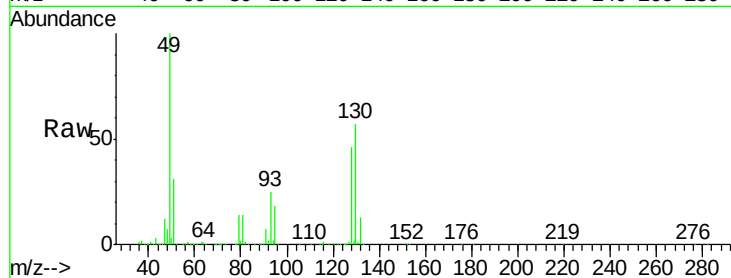




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.84 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VL032162.D
 Acq: 30 Jun 2018 9:12

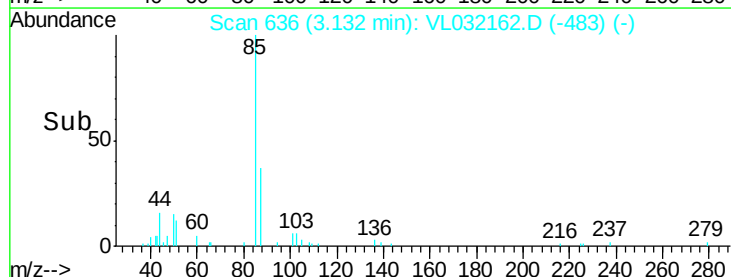
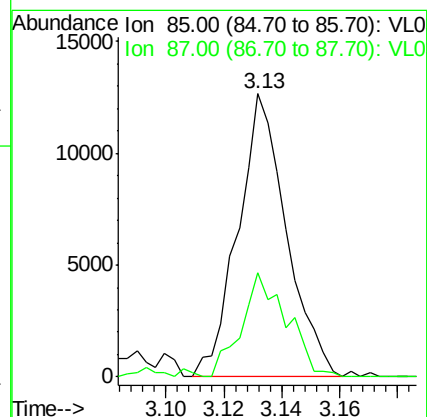
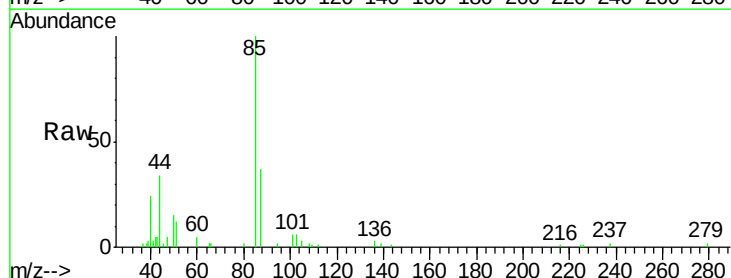
Instrument :
 MSVOA_L
 ClientSampleId :
 DUPEDL

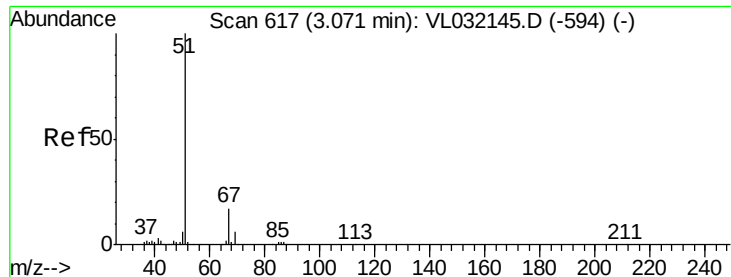
Tgt Ion: 49 Resp: 1684894
 Ion Ratio Lower Upper
 49 100
 128 45.2 23.4 70.0
 130 58.2 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.066 ppbv
 RT: 3.13 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VL032162.D
 Acq: 30 Jun 2018 9:12

Tgt Ion: 85 Resp: 14688
 Ion Ratio Lower Upper
 85 100
 87 37.0 26.7 40.1





#3

Chlorodifluoromethane

Concen: 1.188 ppbv

RT: 3.04 min Scan# 609

Delta R.T. -0.03 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

Instrument :

MSVOA_L

ClientSampleId :

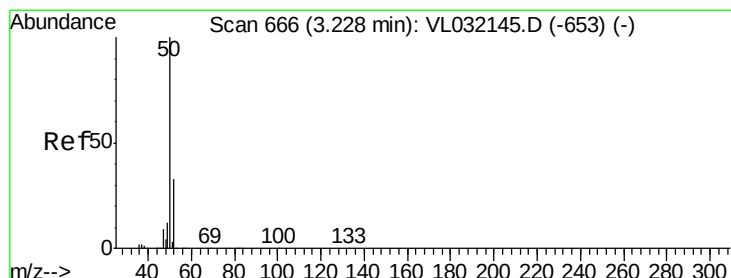
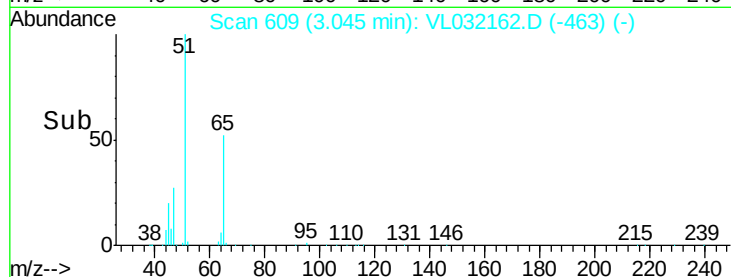
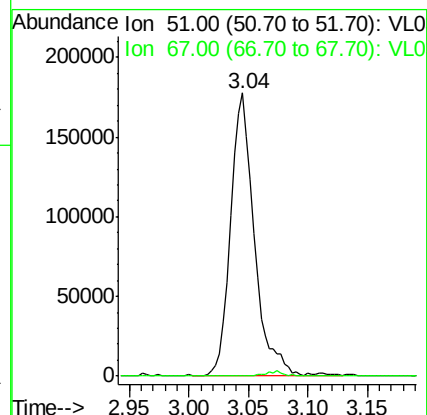
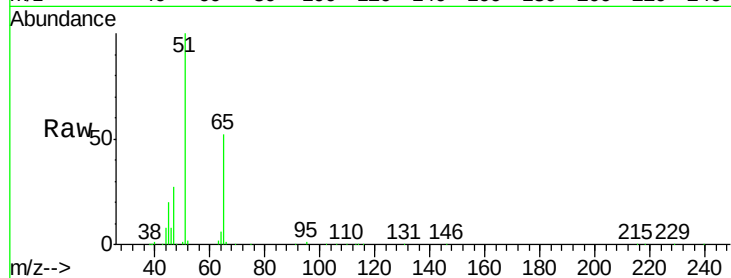
DUPEDL

Tgt Ion: 51 Resp: 244572

Ion Ratio Lower Upper

51 100

67 1.3 13.2 19.8#



#4

Chloromethane

Concen: 0.058 ppbv

RT: 3.23 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL032162.D

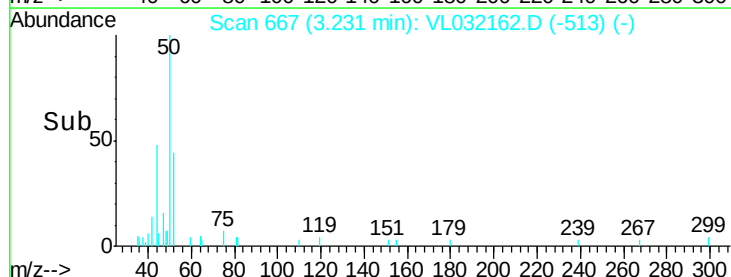
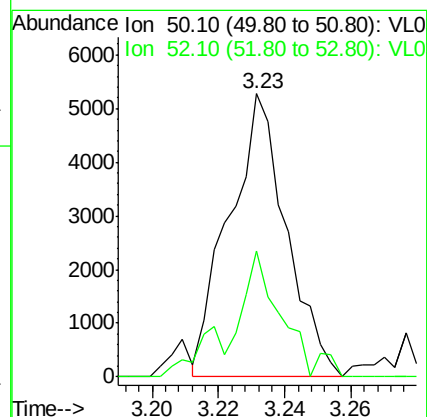
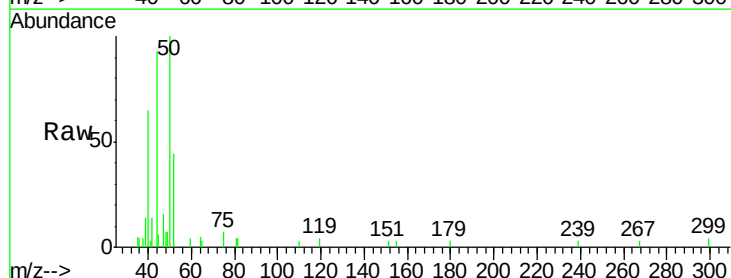
Acq: 30 Jun 2018 9:12

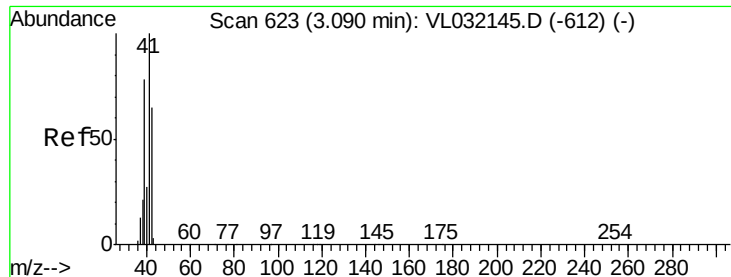
Tgt Ion: 50 Resp: 6321

Ion Ratio Lower Upper

50 100

52 44.4 26.0 39.0#





#9

Propene

Concen: 0.322 ppbv

RT: 3.30 min Scan# 688

Delta R.T. 0.20 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

Instrument :

MSVOA_L

ClientSampleId :

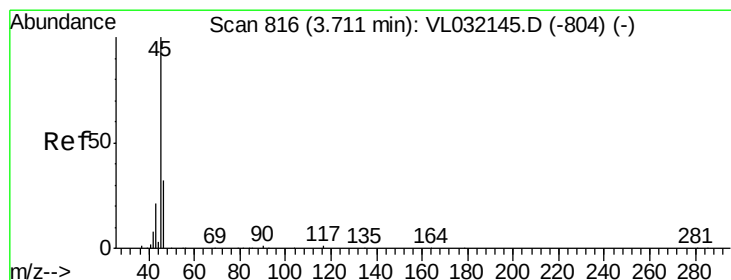
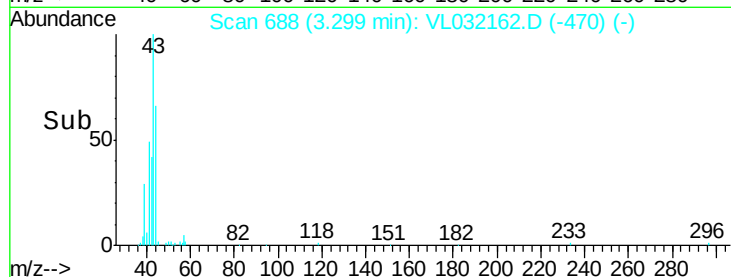
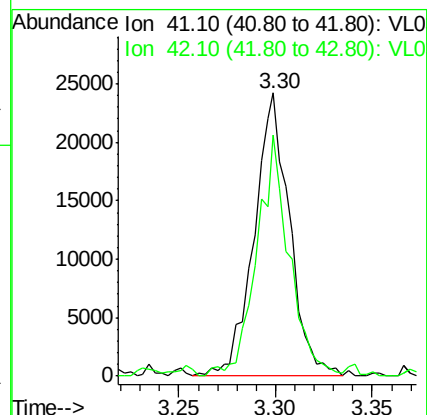
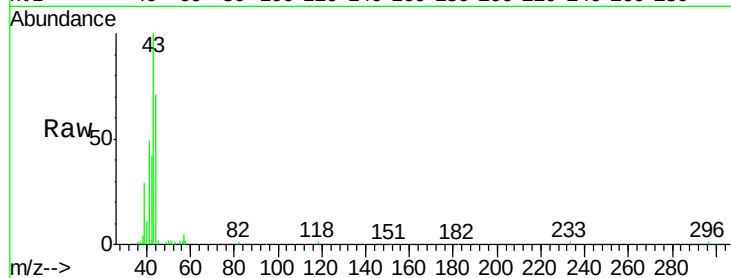
DUPEDL

Tgt Ion: 41 Resp: 30938

Ion Ratio Lower Upper

41 100

42 82.9 56.2 84.4



#13

Ethanol

Concen: 6.226 ppbv

RT: 3.72 min Scan# 820

Delta R.T. 0.00 min

Lab File: VL032162.D

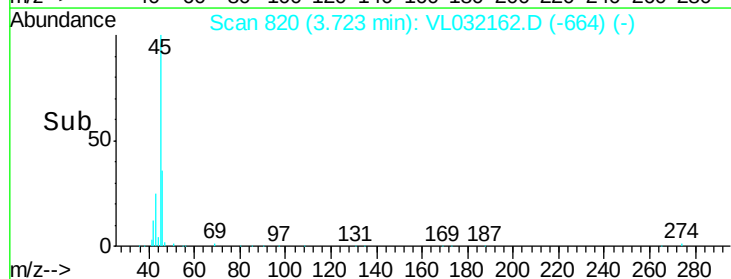
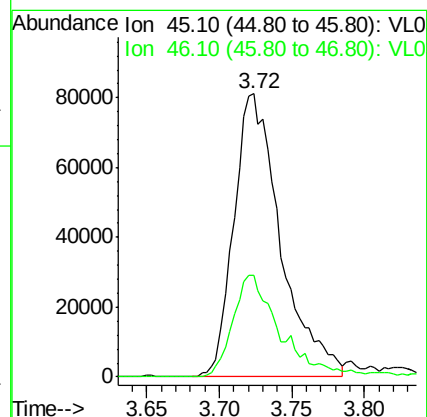
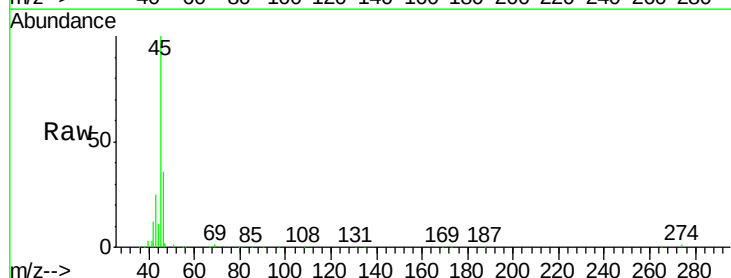
Acq: 30 Jun 2018 9:12

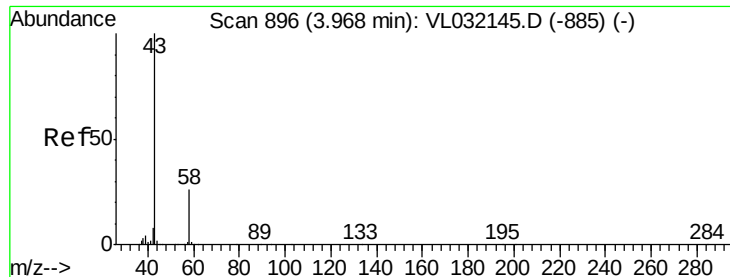
Tgt Ion: 45 Resp: 181106

Ion Ratio Lower Upper

45 100

46 38.0 14.6 58.4

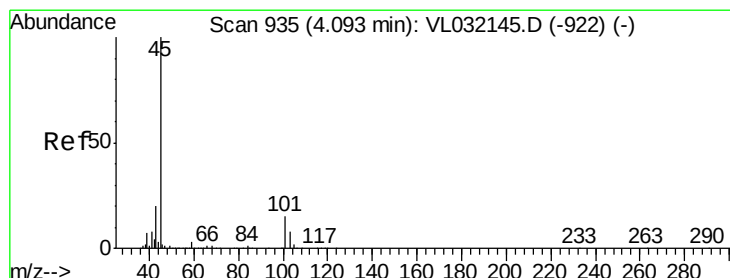
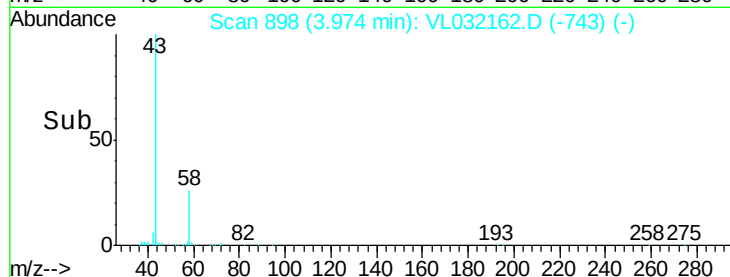
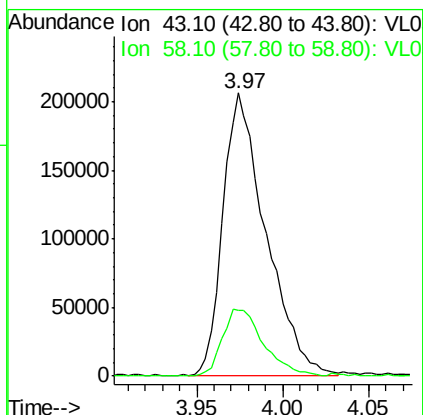
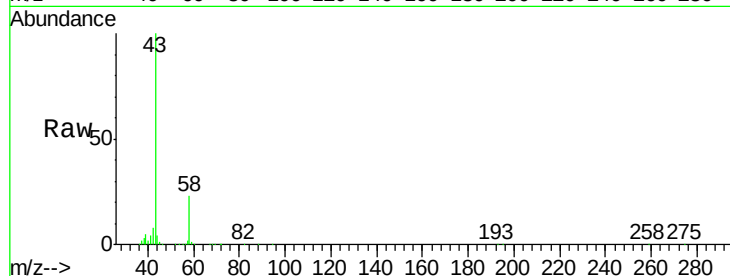




#15
Acetone
Concen: 1.805 ppbv
RT: 3.97 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL032162.D
Acq: 30 Jun 2018 9:12

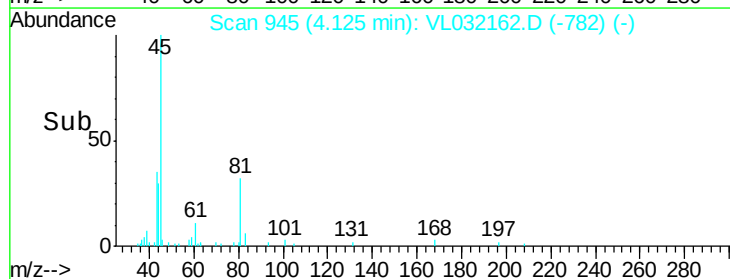
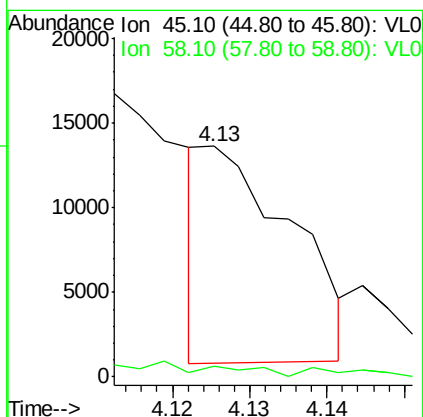
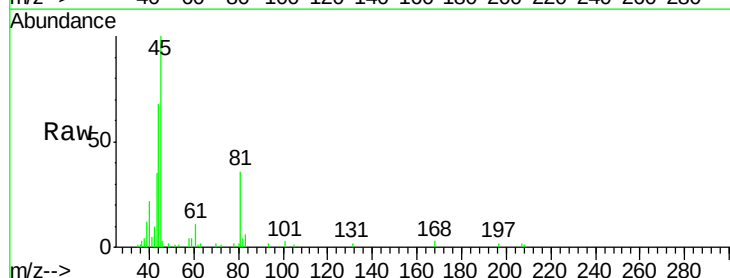
Instrument :
MSVOA_L
ClientSampleId :
DUPEDL

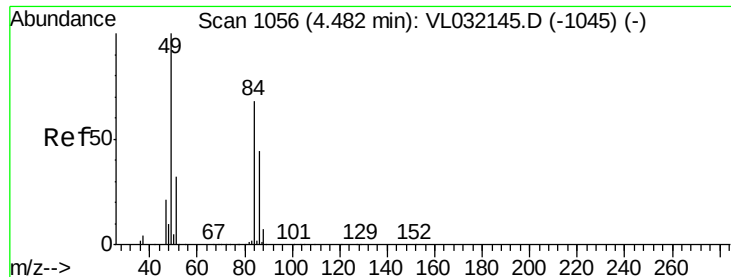
Tgt Ion: 43 Resp: 355534
Ion Ratio Lower Upper
43 100
58 23.5 21.4 32.0



#19
Isopropyl Alcohol
Concen: 0.062 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.02 min
Lab File: VL032162.D
Acq: 30 Jun 2018 9:12

Tgt Ion: 45 Resp: 10157
Ion Ratio Lower Upper
45 100
58 0.0 29.4 44.0#

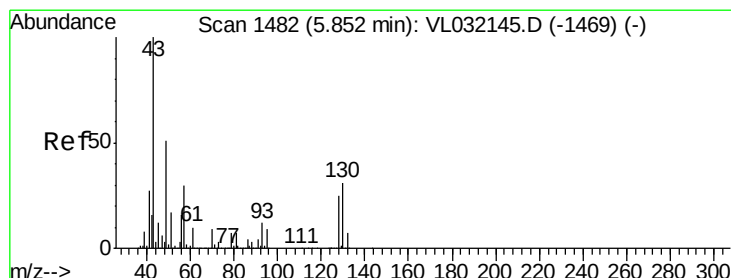
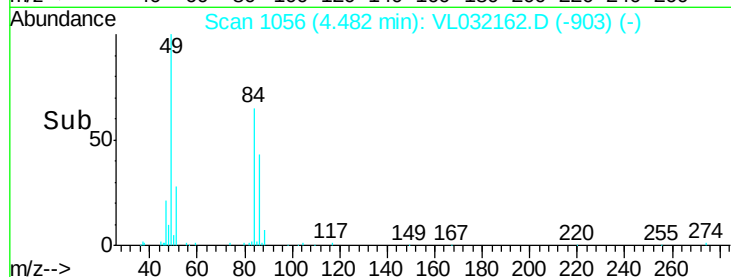
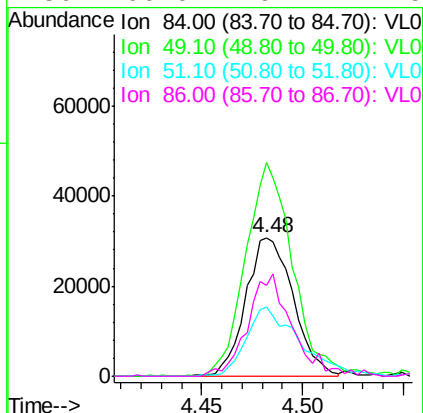
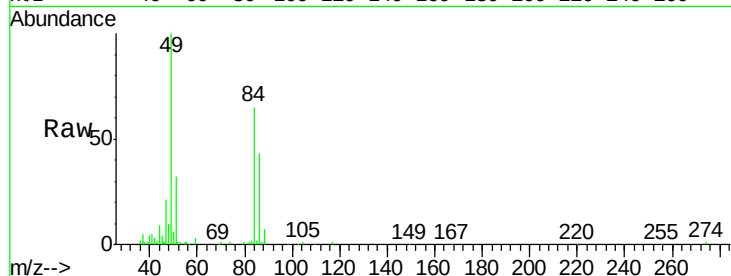




#20
Methylene Chloride
Concen: 0.702 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032162.D
Acq: 30 Jun 2018 9:12

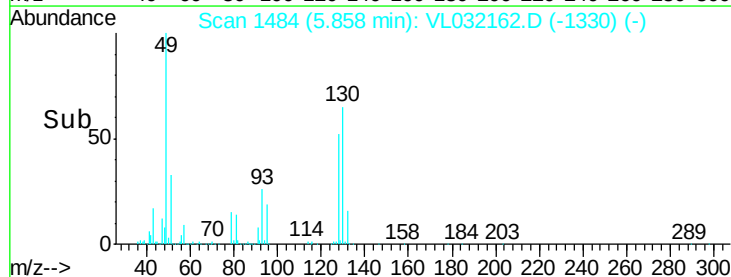
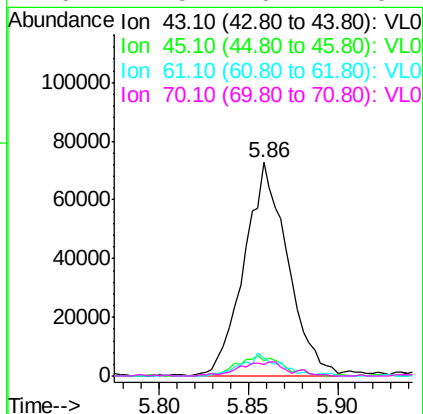
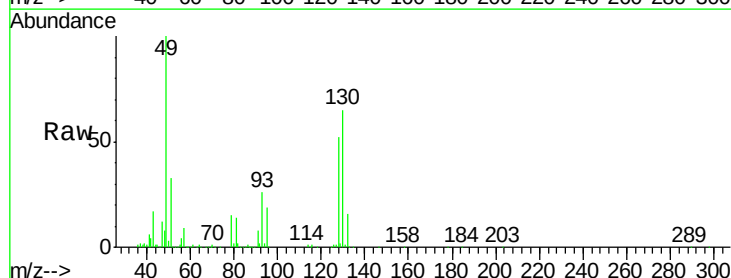
Instrument :
MSVOA_L
ClientSampleId :
DUPEDL

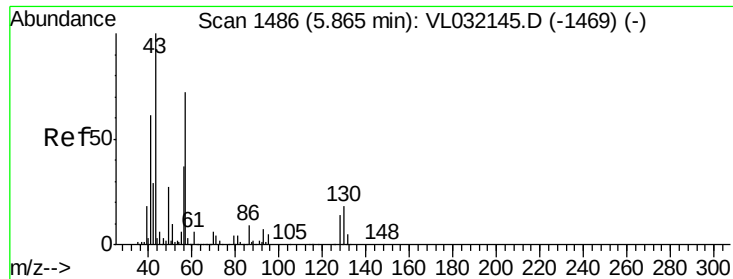
Tgt Ion:	84	Resp:	50543
Ion	Ratio	Lower	Upper
84	100		
49	153.0	119.6	179.4
51	49.7	36.3	54.5
86	66.0	49.7	74.5



#25
Ethyl Acetate
Concen: 0.301 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.01 min
Lab File: VL032162.D
Acq: 30 Jun 2018 9:12

Tgt Ion:	43	Resp:	122842
Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.8
61	9.3	7.4	11.0
70	7.5	6.1	9.1





#26

Hexane

Concen: 0.368 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

Instrument :

MSVOA_L

ClientSampleId :

DUPEDL

Tgt Ion: 57 Resp: 69049

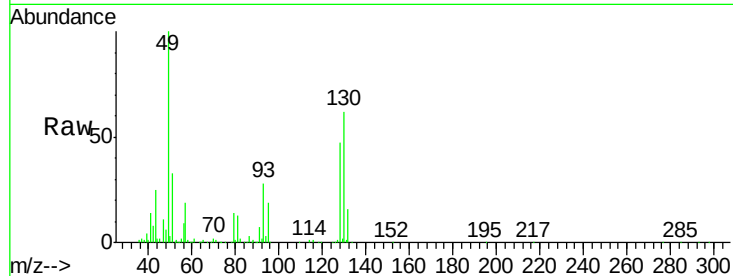
Ion Ratio Lower Upper

57 100

41 87.8 68.6 103.0

43 182.8 168.6 252.8

56 54.8 41.0 61.6

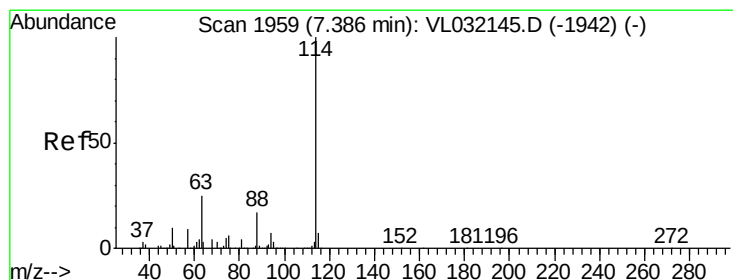
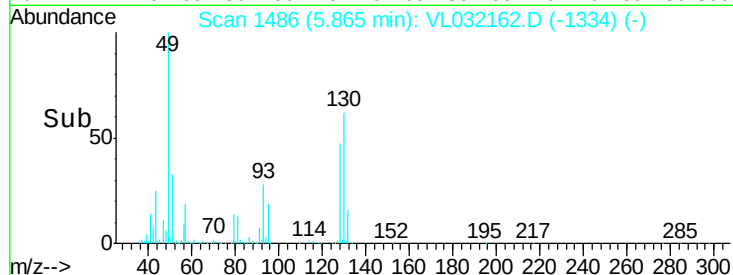
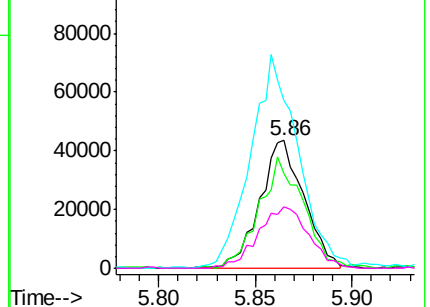


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.38 min Scan# 1957

Delta R.T. -0.02 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

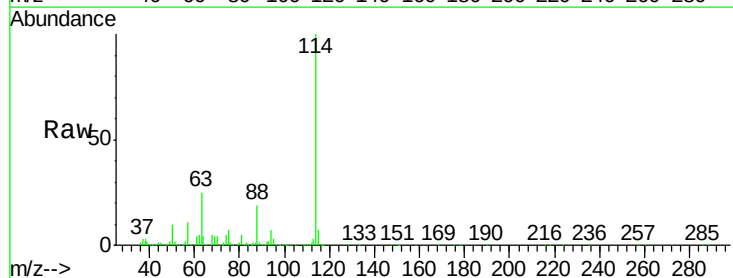
Tgt Ion: 114 Resp: 4203881

Ion Ratio Lower Upper

114 100

63 26.2 19.1 28.7

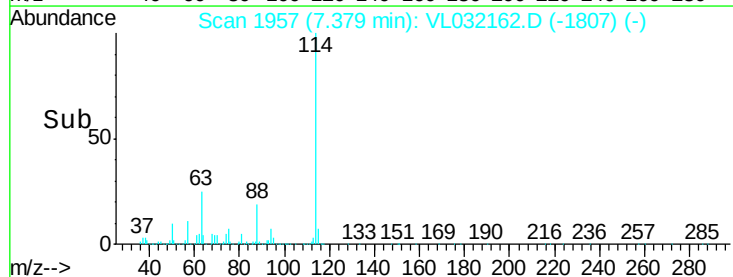
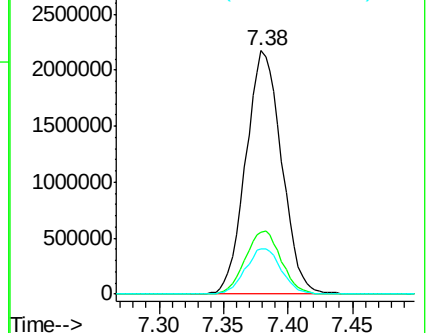
88 18.7 13.9 20.9

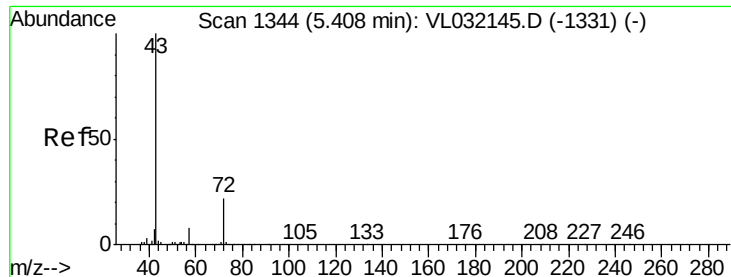


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

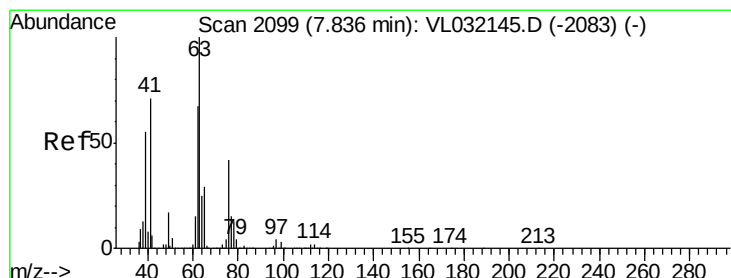
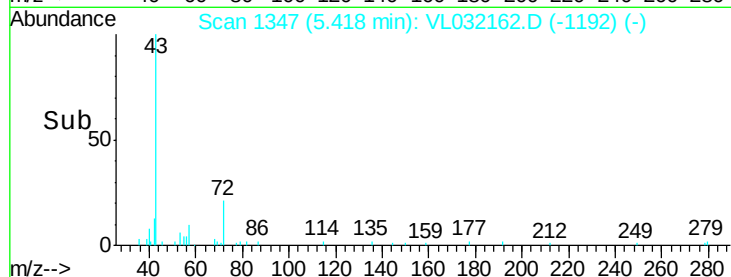
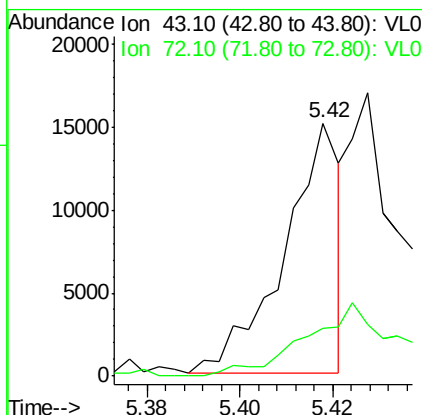
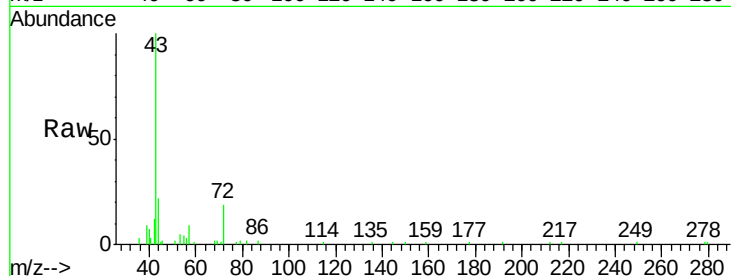




#34
2-Butanone
Concen: 0.047 ppbv
RT: 5.42 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VL032162.D
Acq: 30 Jun 2018 9:12

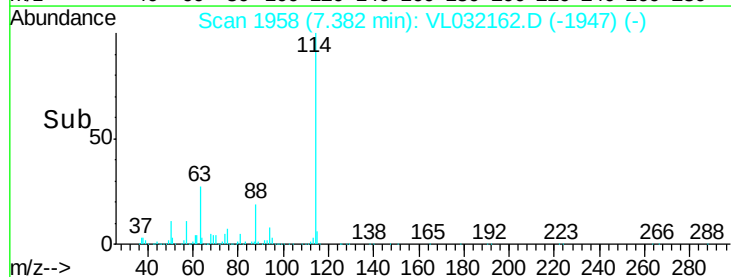
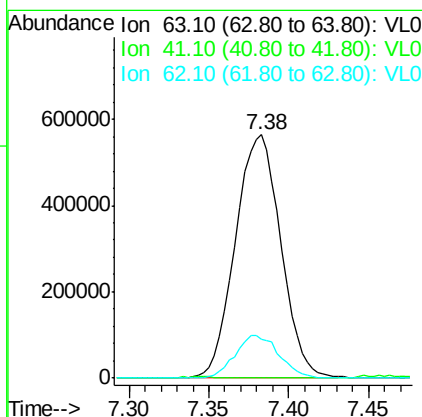
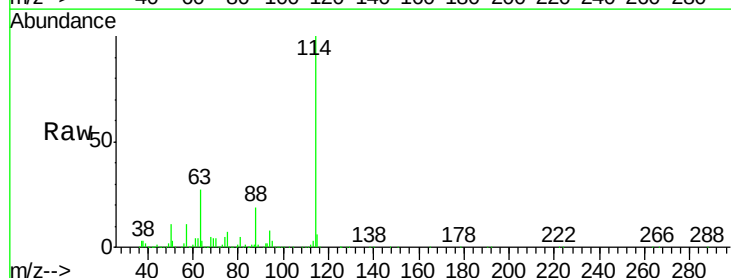
Instrument :
MSVOA_L
ClientSampleId :
DUPEDL

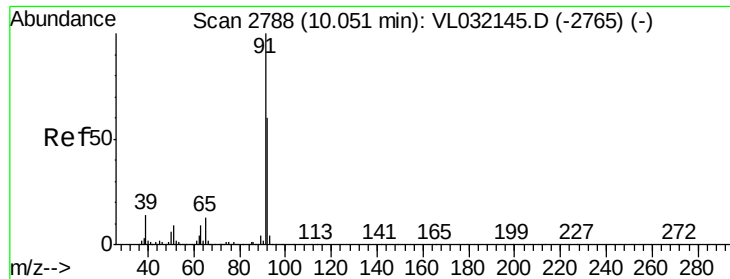
Tgt Ion: 43 Resp: 12577
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#39
1,2-Dichloropropane
Concen: 6.748 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.47 min
Lab File: VL032162.D
Acq: 30 Jun 2018 9:12

Tgt Ion: 63 Resp: 1082796
Ion Ratio Lower Upper
63 100
41 0.0 53.3 79.9#
62 15.9 54.8 82.2#





#53

Toluene

Concen: 0.293 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.02 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

Instrument :

MSVOA_L

ClientSampleId :

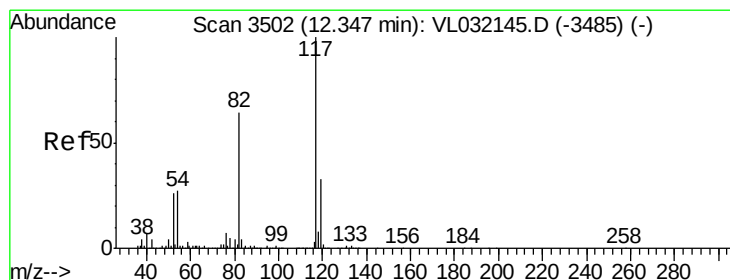
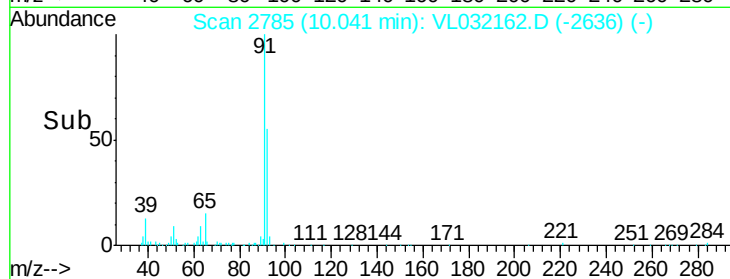
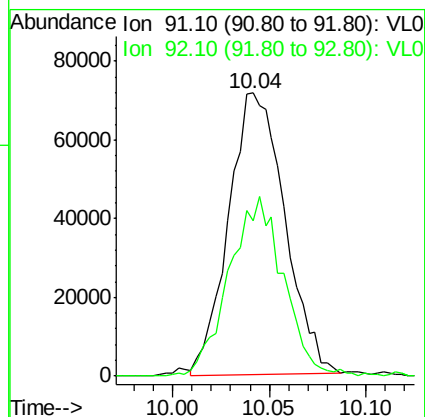
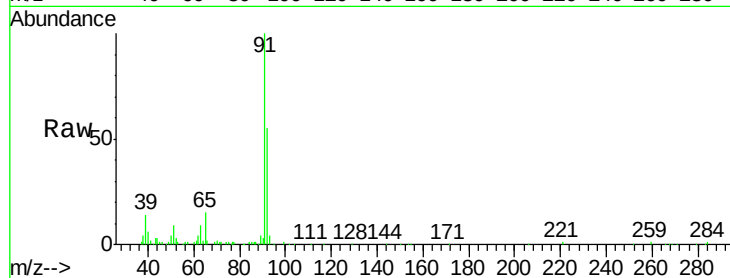
DUPEDL

Tgt Ion: 91 Resp: 144121

Ion Ratio Lower Upper

91 100

92 62.0 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.34 min Scan# 3499

Delta R.T. -0.02 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

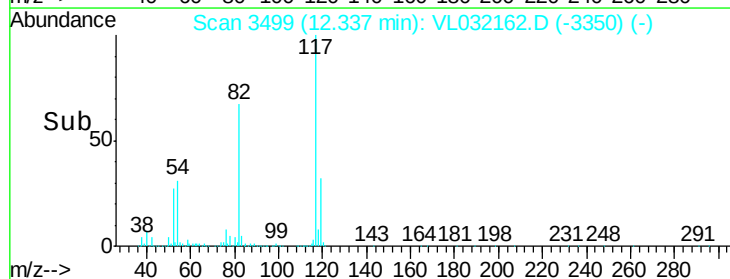
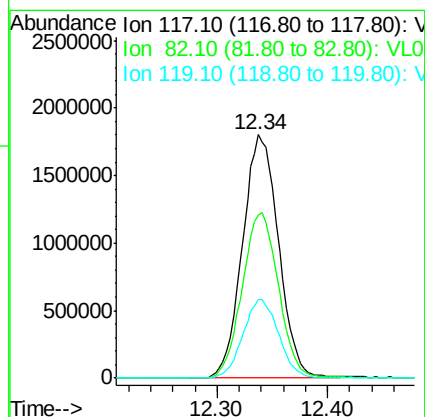
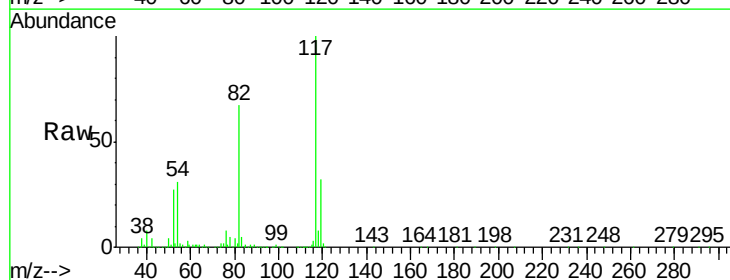
Tgt Ion: 117 Resp: 4075499

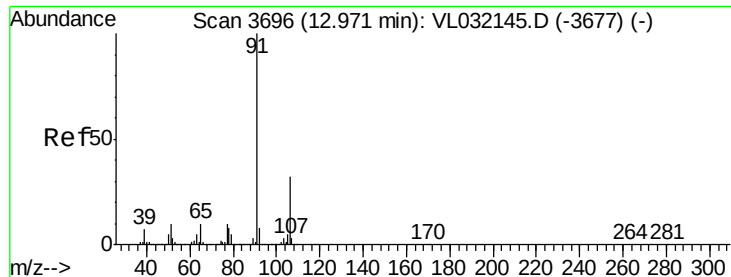
Ion Ratio Lower Upper

117 100

82 68.8 47.8 71.8

119 32.2 43.3 64.9#





#58

Ethyl Benzene

Concen: 0.050 ppbv

RT: 12.96 min Scan# 3694

Delta R.T. -0.02 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

Instrument :

MSVOA_L

ClientSampleId :

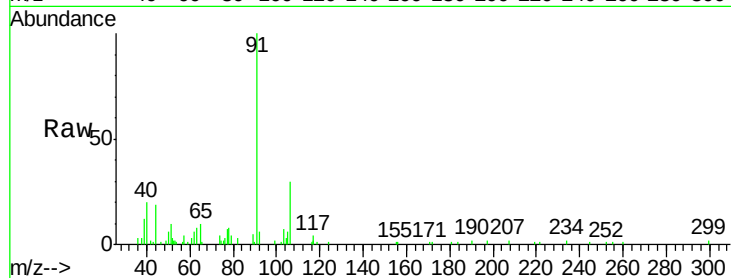
DUPEDL

Tgt Ion: 91 Resp: 32659

Ion Ratio Lower Upper

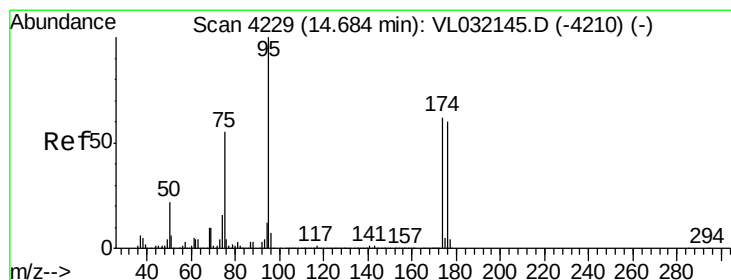
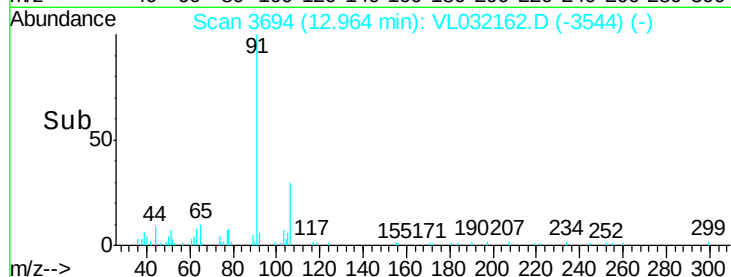
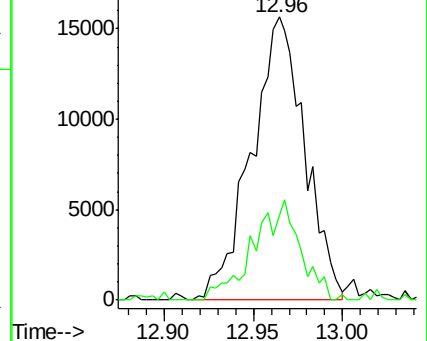
91 100

106 30.2 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.905 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. -0.02 min

Lab File: VL032162.D

Acq: 30 Jun 2018 9:12

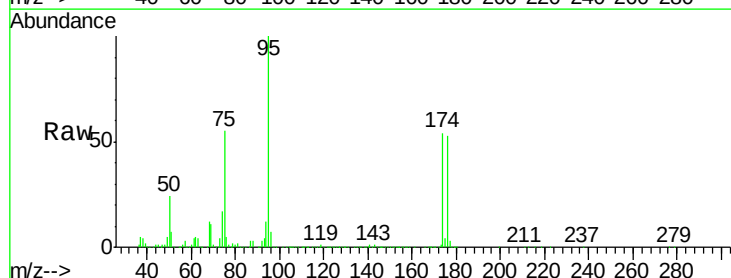
Tgt Ion: 95 Resp: 3085685

Ion Ratio Lower Upper

95 100

174 56.7 52.1 78.1

175 4.2 4.0 6.0



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

