

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070218\
 Data File : VL032188.D
 Acq On : 2 Jul 2018 19:08
 Operator : SY/AP
 Sample : J3599-01DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL2

Quant Time: Jul 03 05:04:10 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	5.85	49	1491505	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4003068	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3610005	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2831968	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

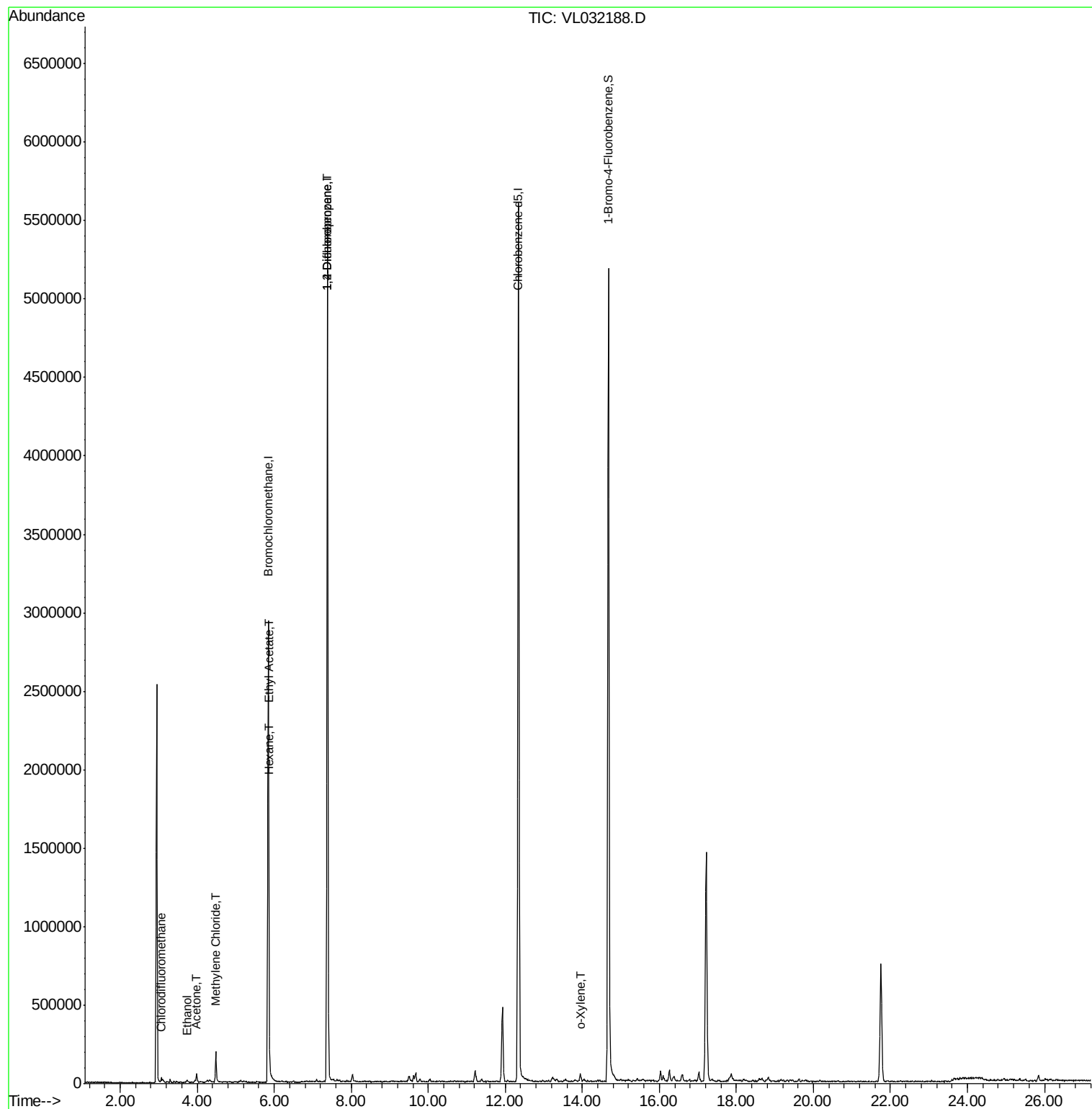
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.07	51	28075	0.154	ppbv #	87
13) Ethanol	3.72	45	4102	0.159	ppbv #	38
15) Acetone	3.98	43	56010	0.321	ppbv	96
20) Methylene Chloride	4.48	84	66585	1.045	ppbv	95
25) Ethyl Acetate	5.86	43	55171	0.153	ppbv #	79
26) Hexane	5.87	57	82846	0.499	ppbv #	45
39) 1,2-Dichloropropane	7.38	63	1062155	6.951	ppbv #	27
60) o-Xylene	13.95	91	34493	0.074	ppbv	92

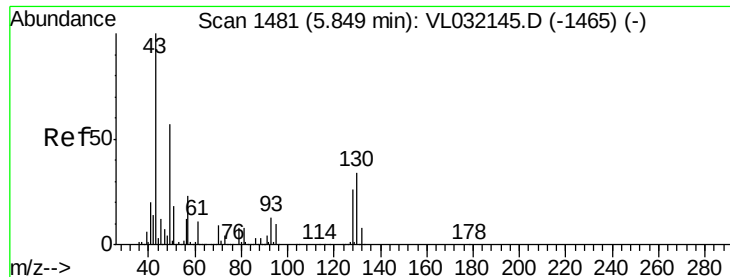
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032188.D

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Instrument :

MSVOA_L

ClientSampleId :

B-1-EFFLUENTDL2

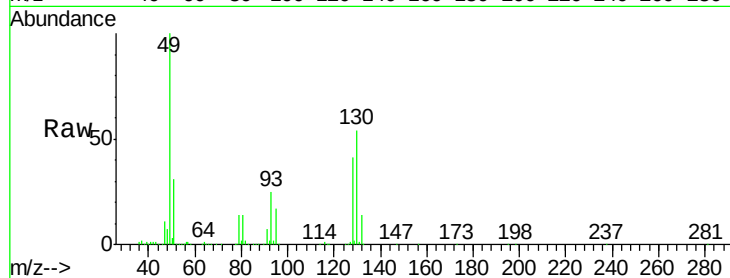
Tgt Ion: 49 Resp: 1491505

Ion Ratio Lower Upper

49 100

128 44.8 23.4 70.0

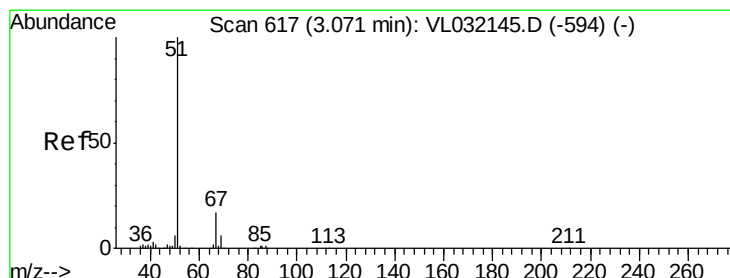
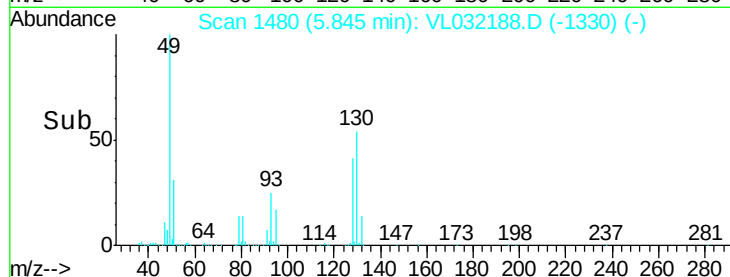
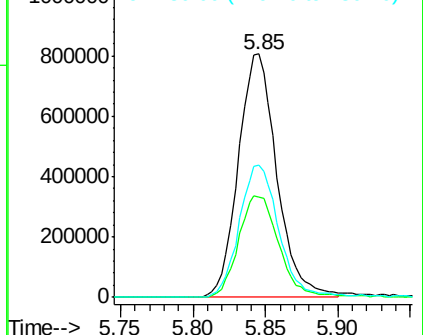
130 56.9 30.3 90.9



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: 0.154 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032188.D

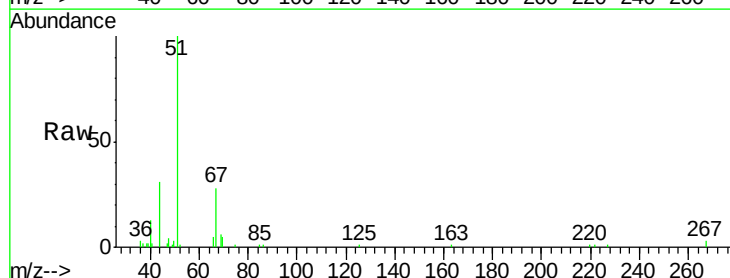
Acq: 2 Jul 2018 19:08

Tgt Ion: 51 Resp: 28075

Ion Ratio Lower Upper

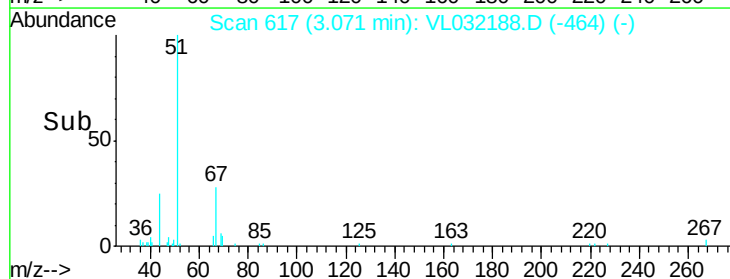
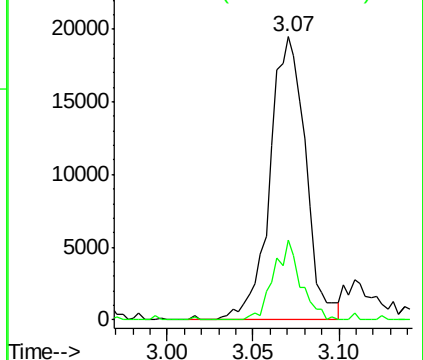
51 100

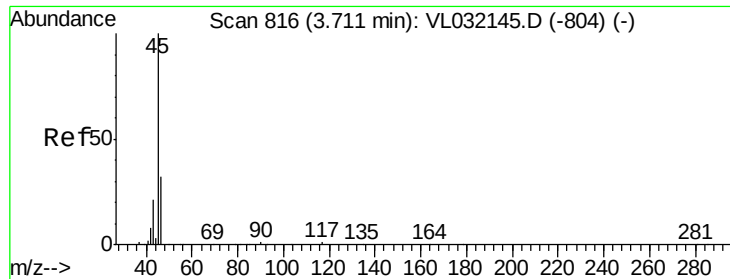
67 21.9 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

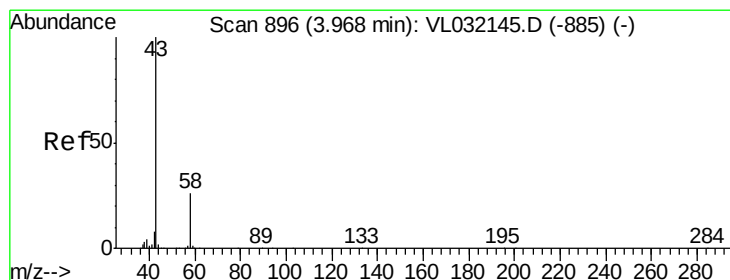
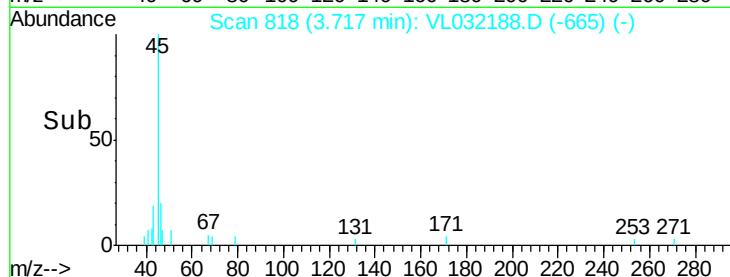
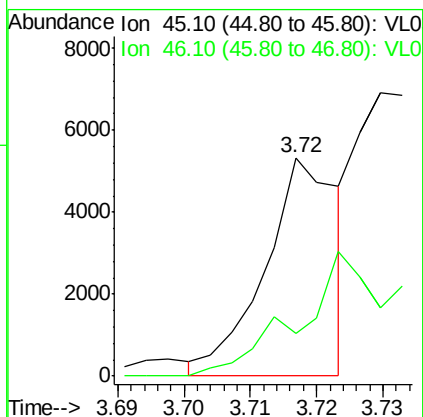
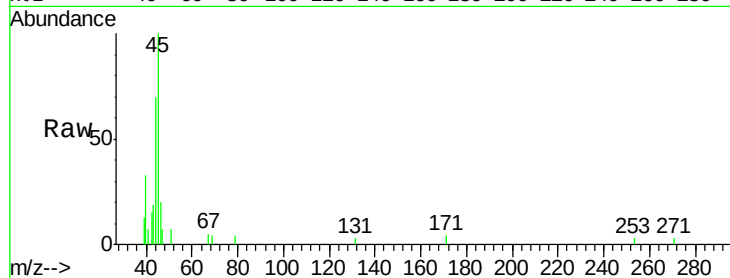




#13
Ethanol
Concen: 0.159 ppbv
RT: 3.72 min Scan# 818
Delta R.T. -0.01 min
Lab File: VL032188.D
Acq: 2 Jul 2018 19:08

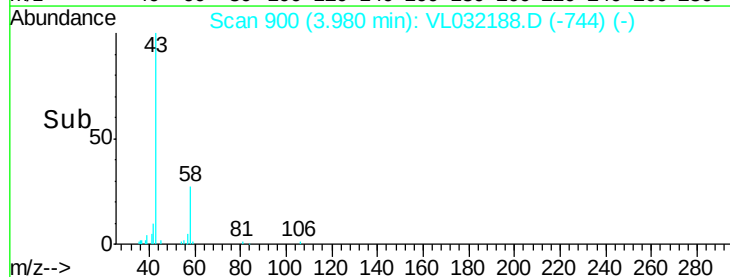
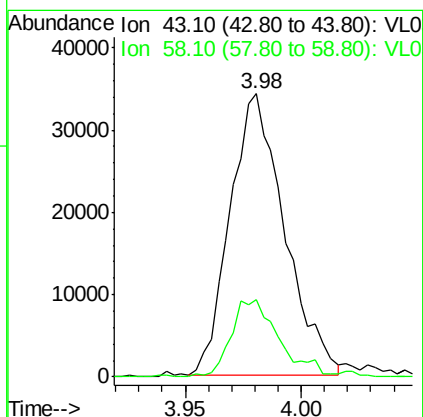
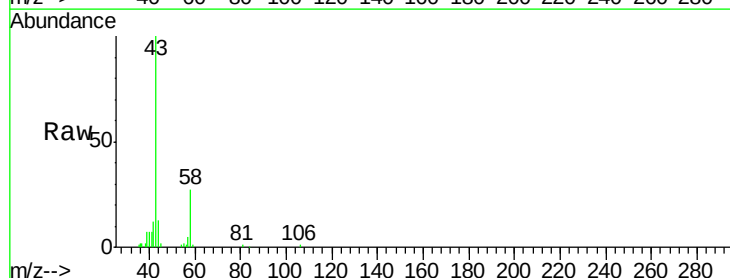
Instrument :
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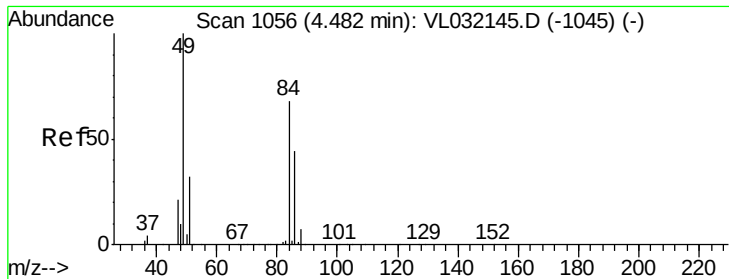
Tgt Ion: 45 Resp: 4102
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.4#



#15
Acetone
Concen: 0.321 ppbv
RT: 3.98 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL032188.D
Acq: 2 Jul 2018 19:08

Tgt Ion: 43 Resp: 56010
Ion Ratio Lower Upper
43 100
58 24.8 21.4 32.0

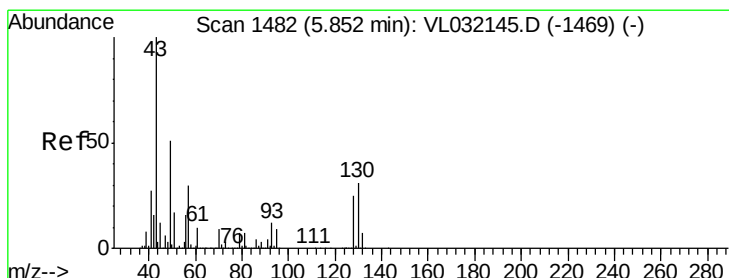
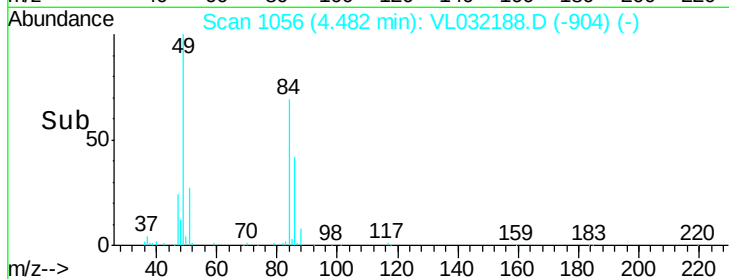
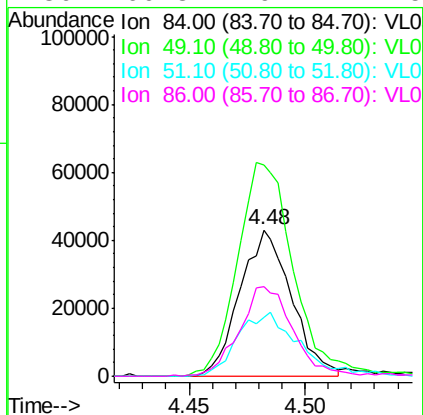
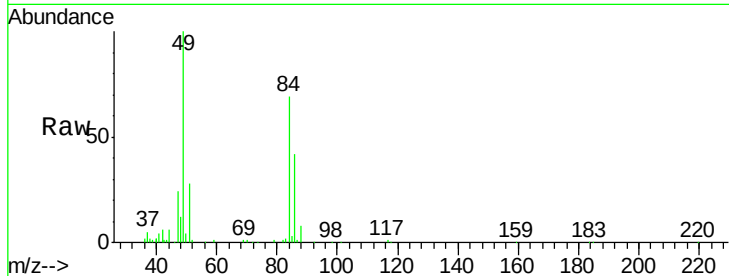




#20
Methylene Chloride
Concen: 1.045 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032188.D
Acq: 2 Jul 2018 19:08

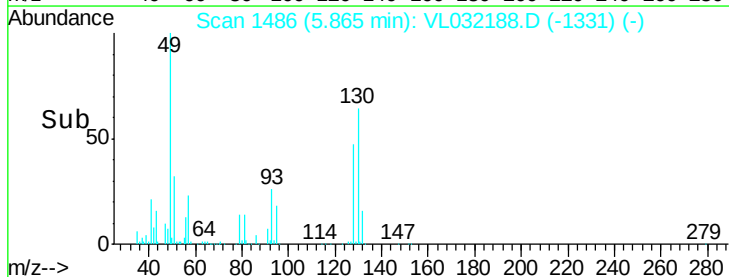
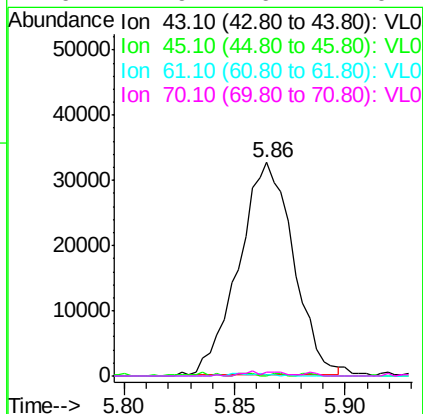
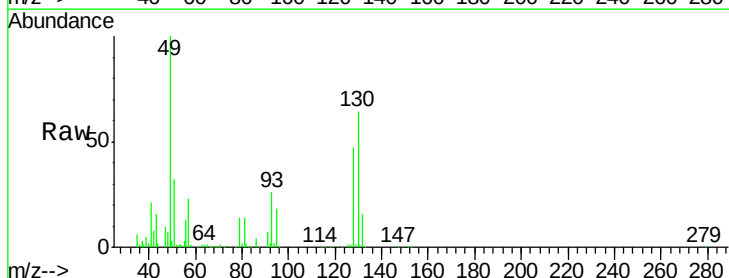
Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL2

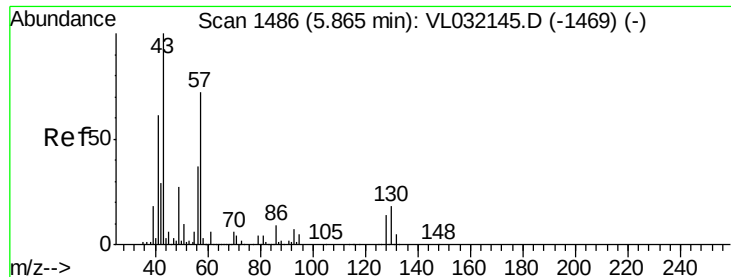
Tgt Ion:	84	Resp:	66585
Ion	Ratio	Lower	Upper
84	100		
49	143.3	119.6	179.4
51	39.6	36.3	54.5
86	60.3	49.7	74.5



#25
Ethyl Acetate
Concen: 0.153 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VL032188.D
Acq: 2 Jul 2018 19:08

Tgt Ion:	43	Resp:	55171
Ion	Ratio	Lower	Upper
43	100		
45	1.5	7.8	11.8#
61	0.9	7.4	11.0#
70	1.9	6.1	9.1#





#26

Hexane

Concen: 0.499 ppbv

RT: 5.87 min Scan# 1487

Delta R.T. -0.01 min

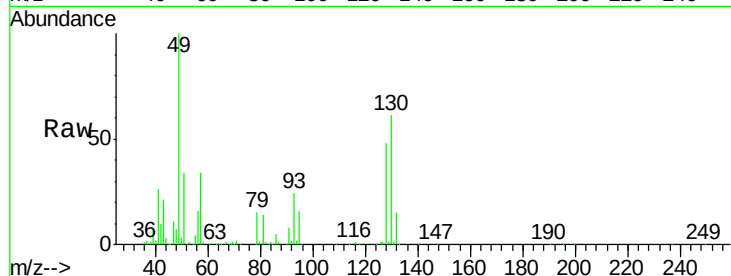
Lab File: VL032188.D

Acq: 2 Jul 2018 19:08

Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL2

Tgt Ion: 57 Resp: 82846

Ion	Ratio	Lower	Upper
57	100		
41	86.0	68.6	103.0
43	68.8	168.6	252.8#
56	52.7	41.0	61.6

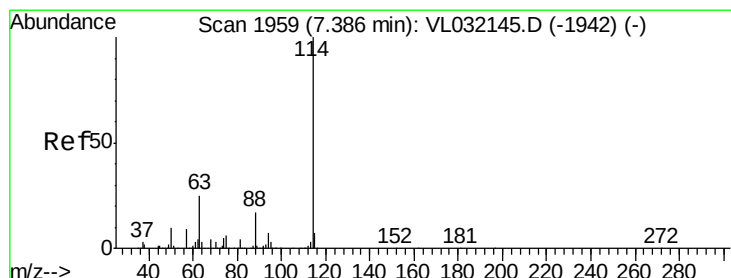
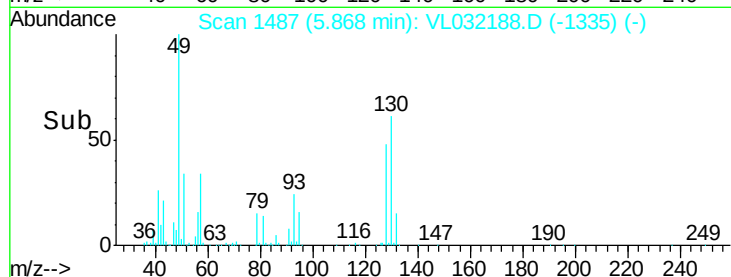
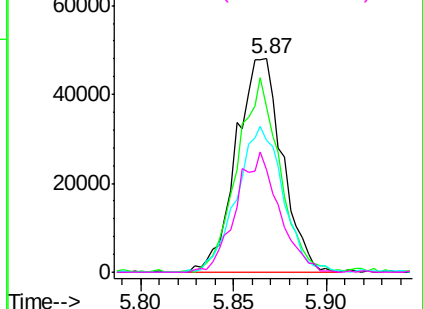


Abundance Ion 57.10 (56.80 to 57.80): VL0

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# 1958

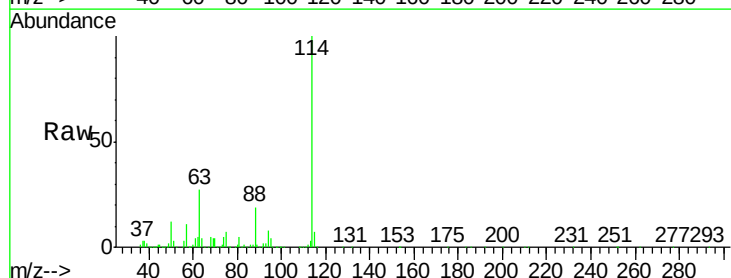
Delta R.T. -0.02 min

Lab File: VL032188.D

Acq: 2 Jul 2018 19:08

Tgt Ion: 114 Resp: 4003068

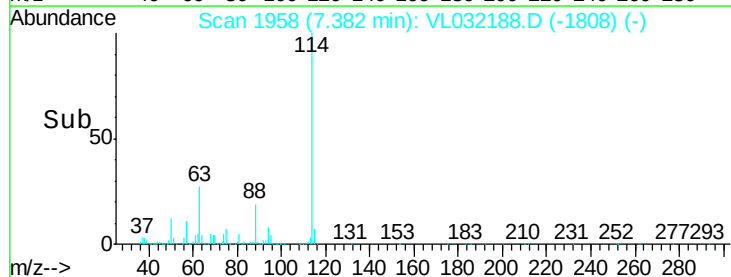
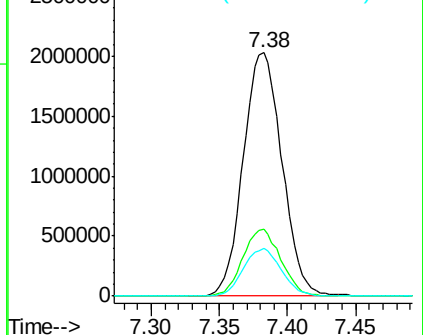
Ion	Ratio	Lower	Upper
114	100		
63	27.1	19.1	28.7
88	19.2	13.9	20.9

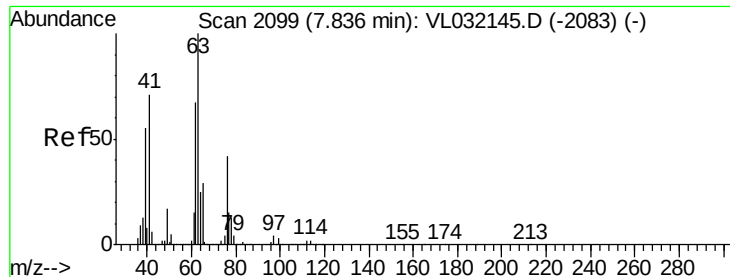


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.951 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.47 min

Lab File: VL032188.D

Acq: 2 Jul 2018 19:08

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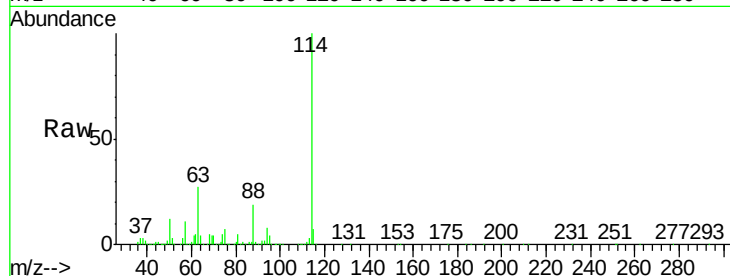
Tgt Ion: 63 Resp: 1062155

Ion Ratio Lower Upper

63 100

41 0.1 53.3 79.9#

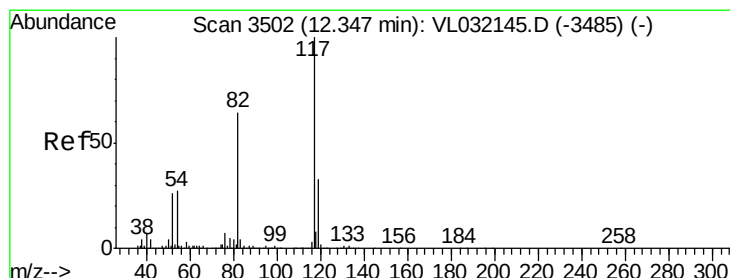
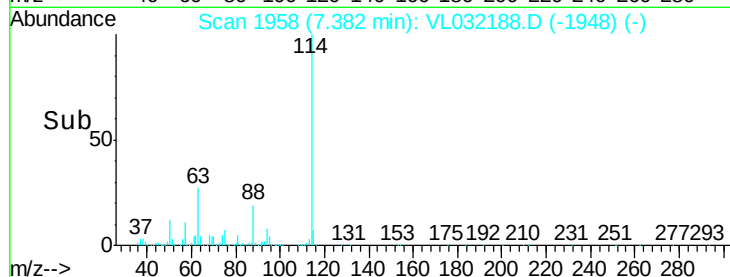
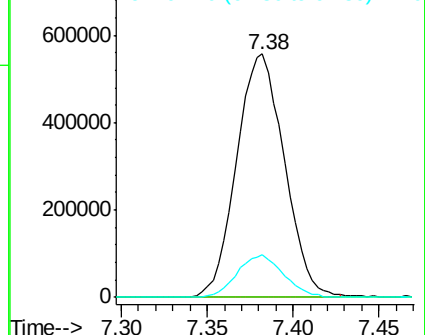
62 17.8 54.8 82.2#



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: 12.34 min Scan# 3501

Delta R.T. -0.02 min

Lab File: VL032188.D

Acq: 2 Jul 2018 19:08

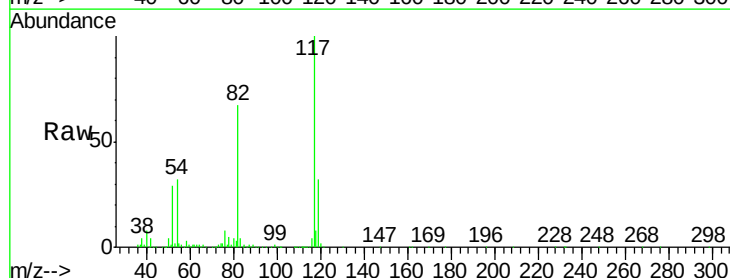
Tgt Ion: 117 Resp: 3610005

Ion Ratio Lower Upper

117 100

82 70.6 47.8 71.8

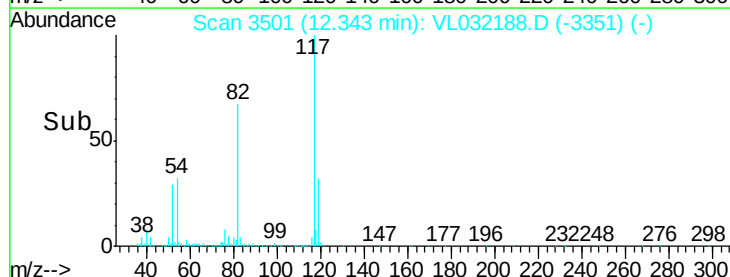
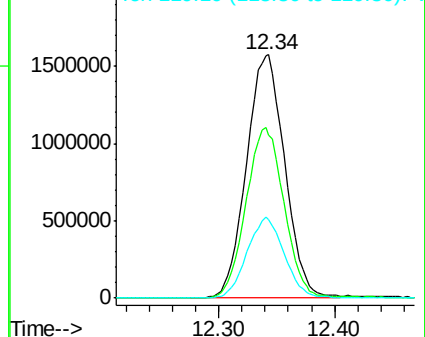
119 32.4 43.3 64.9#

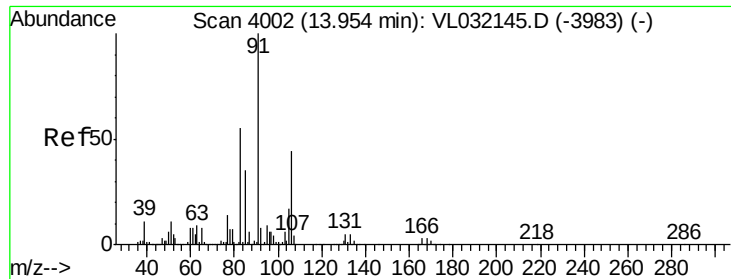


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

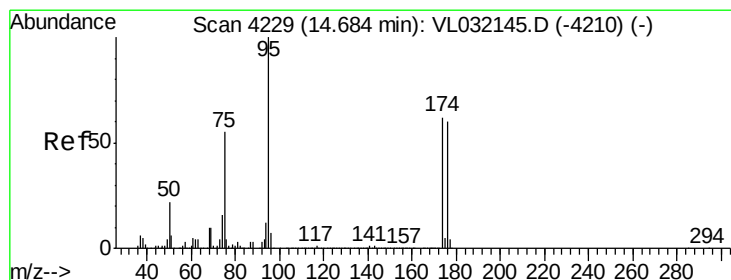
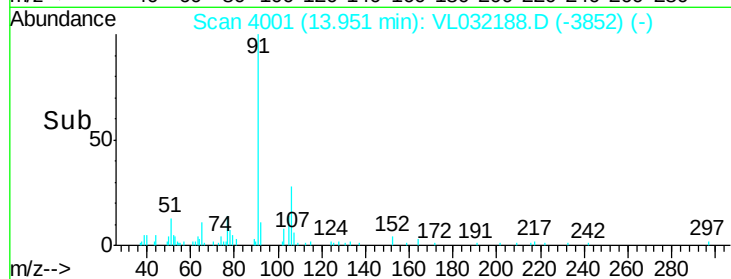
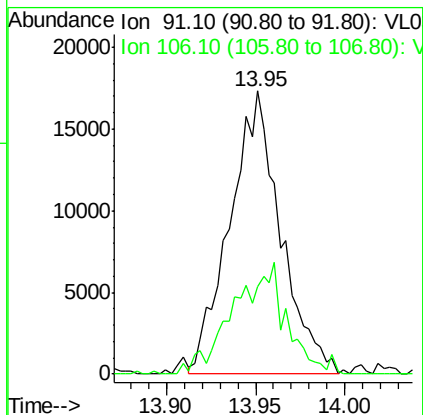
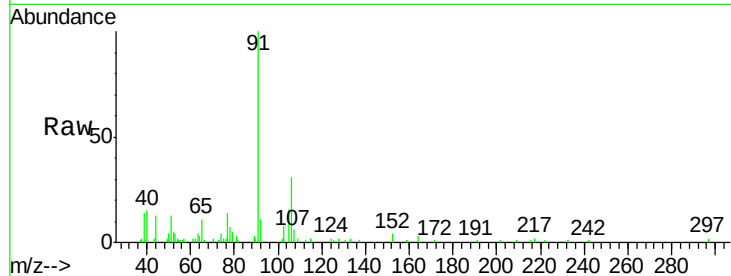




#60
o-Xylene
Concen: 0.074 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032188.D
Acq: 2 Jul 2018 19:08

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Tgt Ion: 91 Resp: 34493
Ion Ratio Lower Upper
91 100
106 41.3 23.3 69.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.263 ppbv
RT: 14.68 min Scan# 4227
Delta R.T. -0.02 min
Lab File: VL032188.D
Acq: 2 Jul 2018 19:08

Tgt Ion: 95 Resp: 2831968
Ion Ratio Lower Upper
95 100
174 56.6 52.1 78.1
175 4.2 4.0 6.0

