

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
 Data File : VL032989.D
 Acq On : 13 Dec 2018 18:57
 Operator : SY/AP
 Sample : J6382-01 10XDUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 P00131-SG001-181212-01DUP

Quant Time: Dec 14 01:09:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1118776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3050820	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2907348	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2227808	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

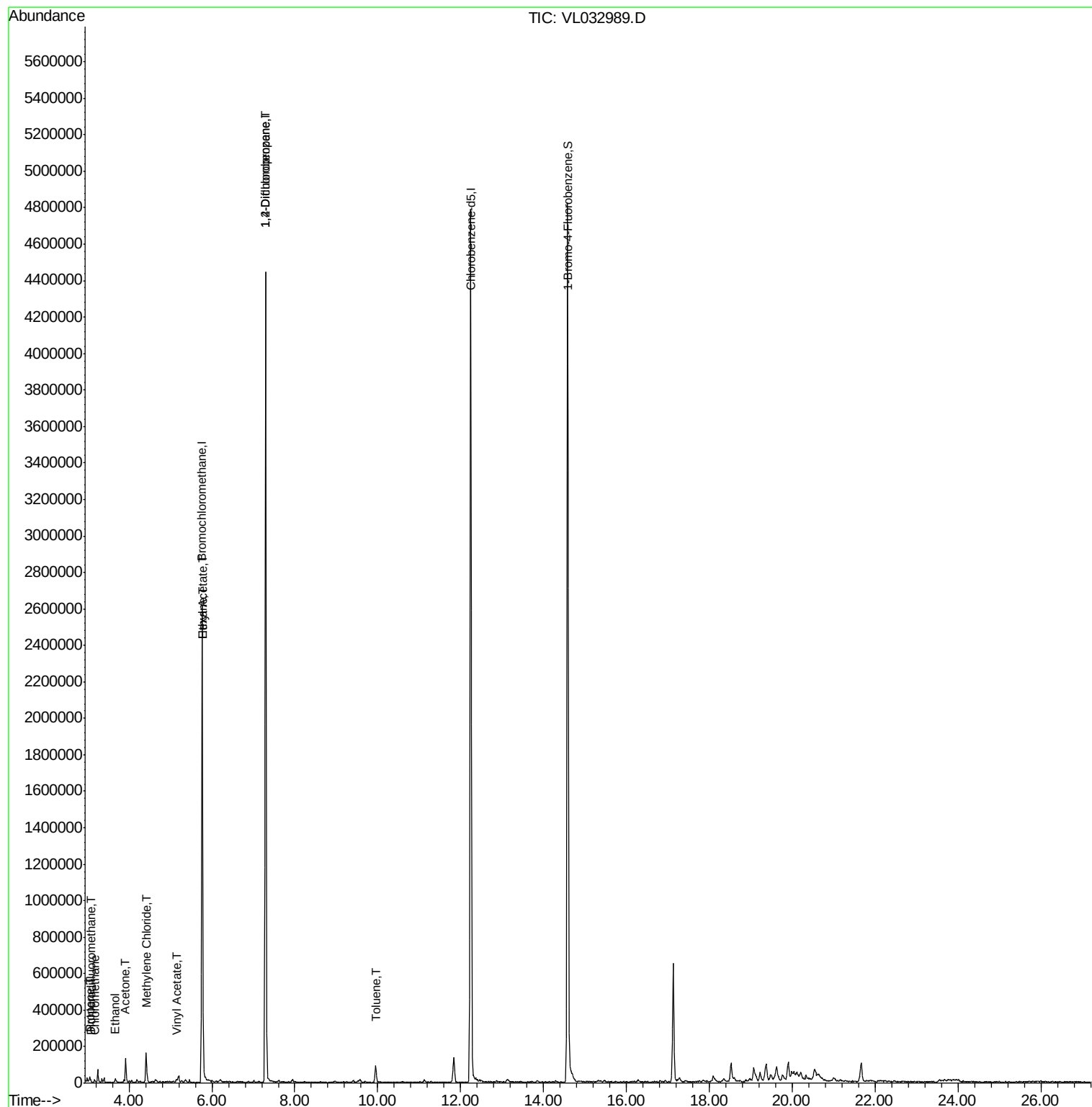
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	9993	0.067	ppbv	98
4) Chloromethane	3.17	50	10250	0.208	ppbv	98
9) Propene	3.05	41	3706	0.111	ppbv #	15
13) Ethanol	3.67	45	11355	0.984	ppbv #	50
15) Acetone	3.91	43	138490	1.442	ppbv	100
20) Methylene Chloride	4.41	84	55392	1.180	ppbv	95
23) Vinyl Acetate	5.16	43	5288	0.033	ppbv #	68
25) Ethyl Acetate	5.78	43	12491	0.055	ppbv #	80
26) Hexane	5.78	57	27880	0.266	ppbv #	49
39) 1,2-Dichloropropane	7.29	63	768358	9.029	ppbv #	21
53) Toluene	9.95	91	68357	0.287	ppbv	98

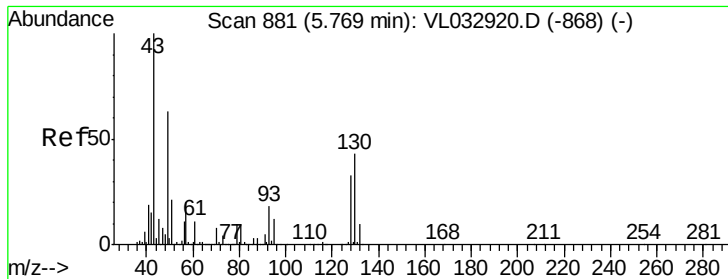
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
Data File : VL032989.D
Acq On : 13 Dec 2018 18:57
Operator : SY/AP
Sample : J6382-01 10XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DUP

Quant Time: Dec 14 01:09:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032989.D

Acq: 13 Dec 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

P00131-SG001-181212-01DUP

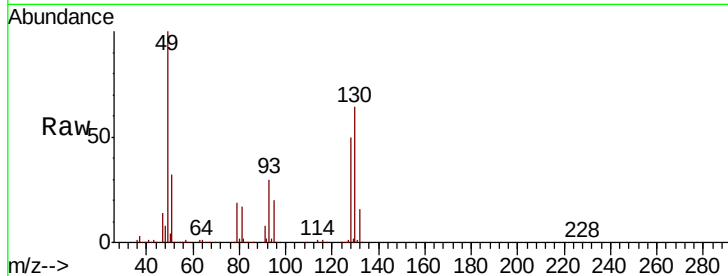
Tgt Ion: 49 Resp: 1118776

Ion Ratio Lower Upper

49 100

128 51.6 26.3 78.8

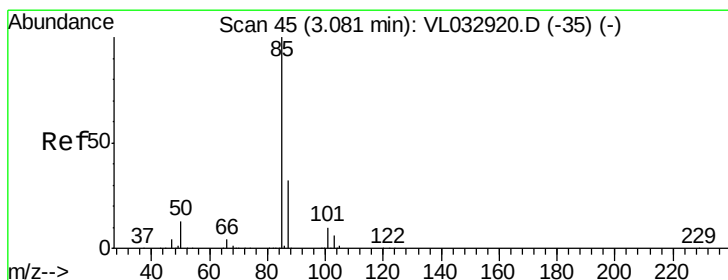
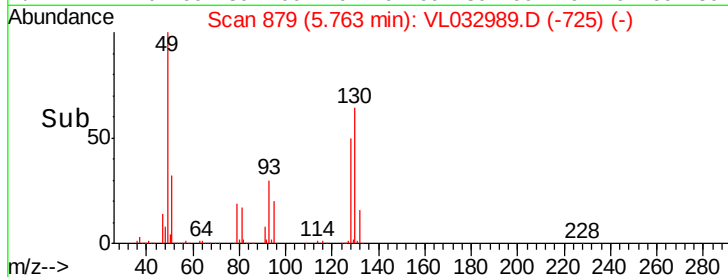
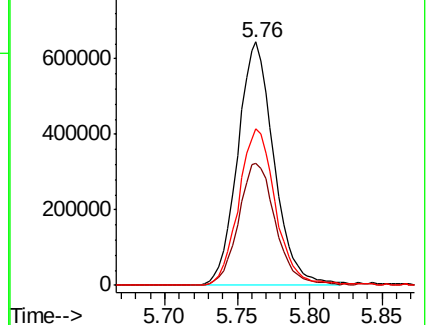
130 66.1 33.9 101.7



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: 0.067 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032989.D

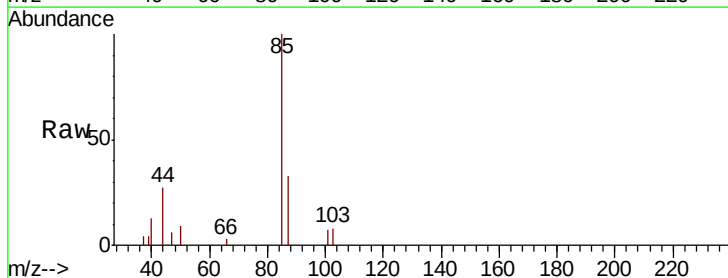
Acq: 13 Dec 2018 18:57

Tgt Ion: 85 Resp: 9993

Ion Ratio Lower Upper

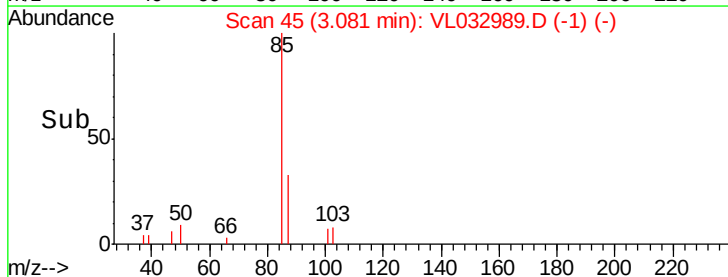
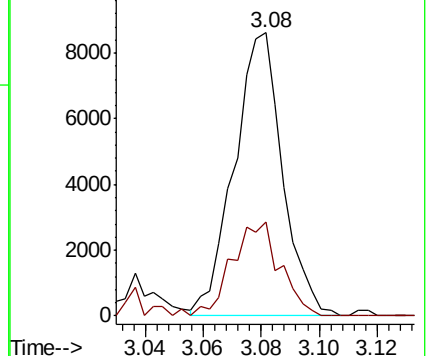
85 100

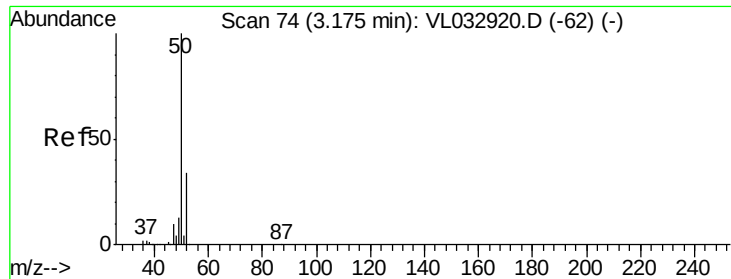
87 33.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.208 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032989.D

Acq: 13 Dec 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

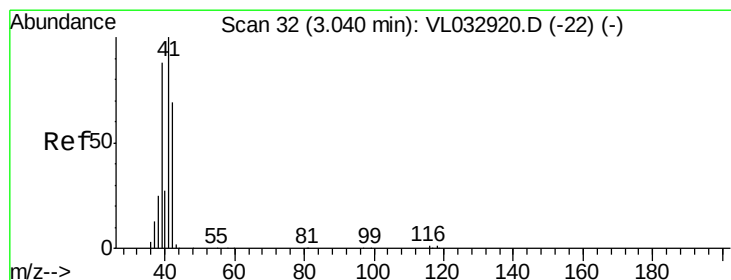
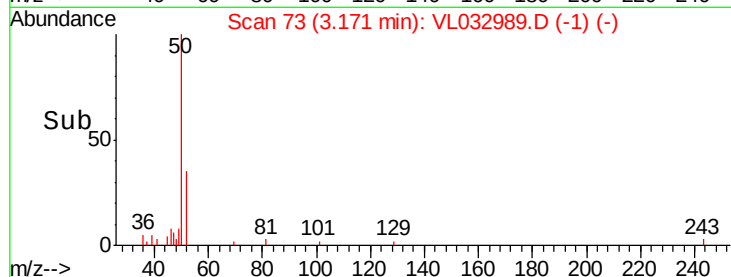
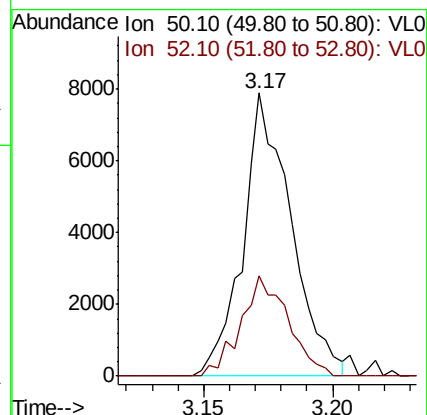
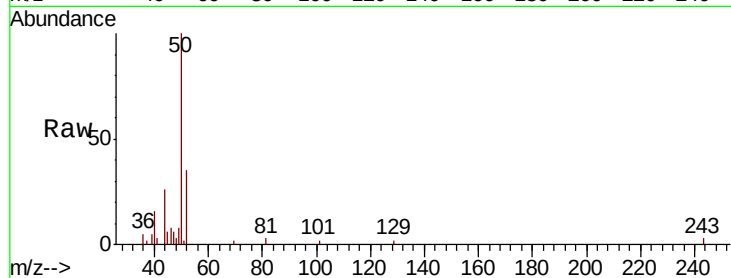
P00131-SG001-181212-01DUP

Tgt Ion: 50 Resp: 10250

Ion Ratio Lower Upper

50 100

52 35.5 27.3 40.9



#9

Propene

Concen: 0.111 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032989.D

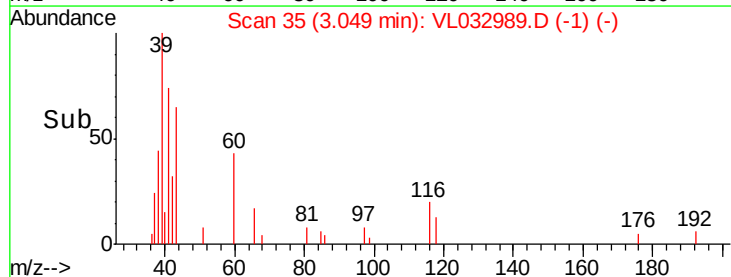
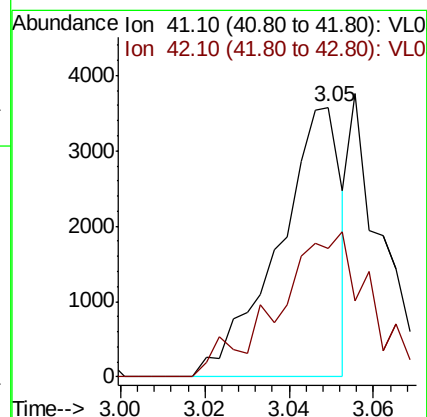
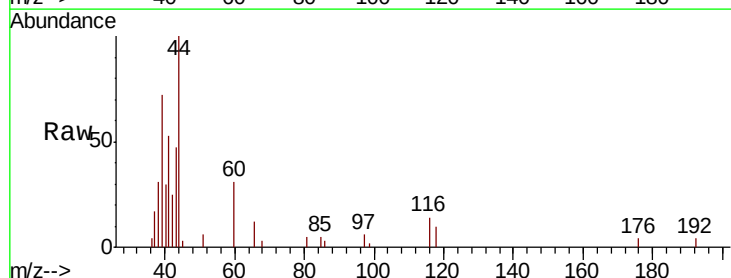
Acq: 13 Dec 2018 18:57

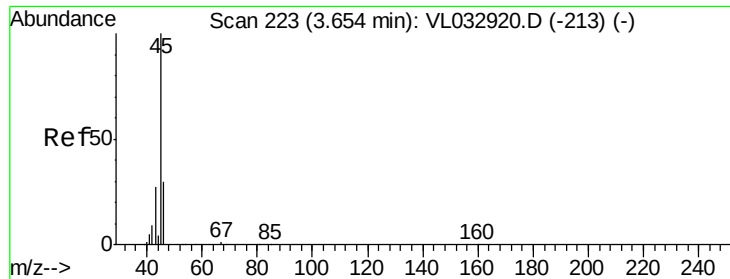
Tgt Ion: 41 Resp: 3706

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.2#

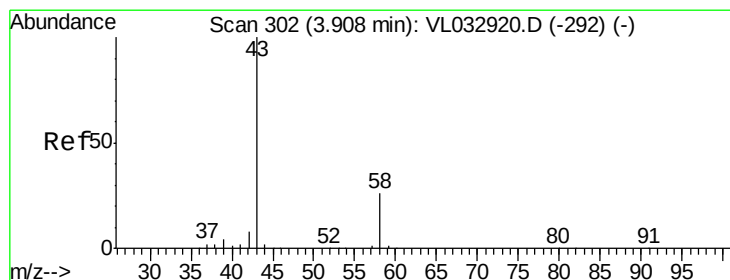
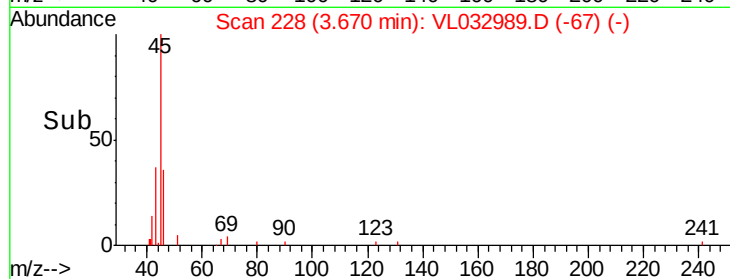
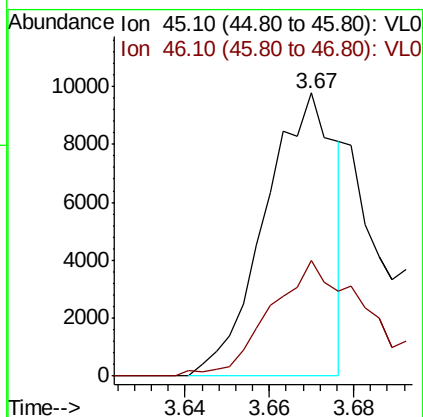
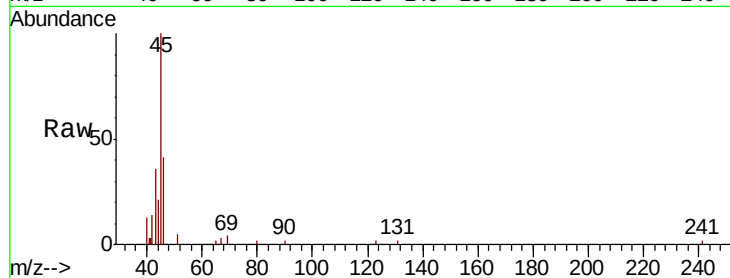




#13
Ethanol
Concen: 0.984 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VL032989.D
Acq: 13 Dec 2018 18:57

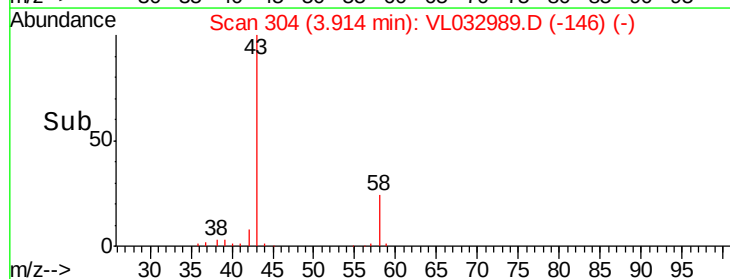
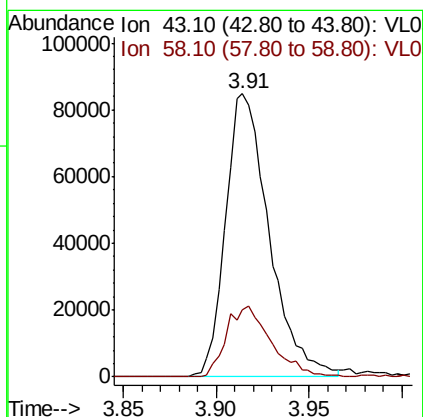
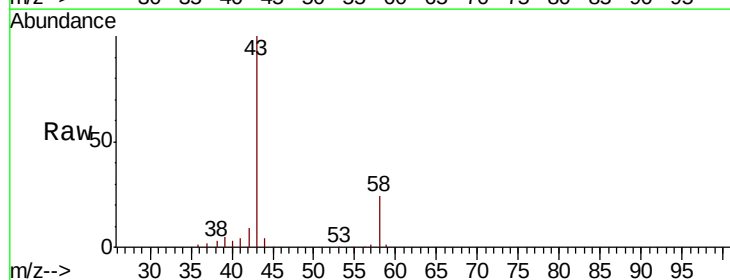
Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DUP

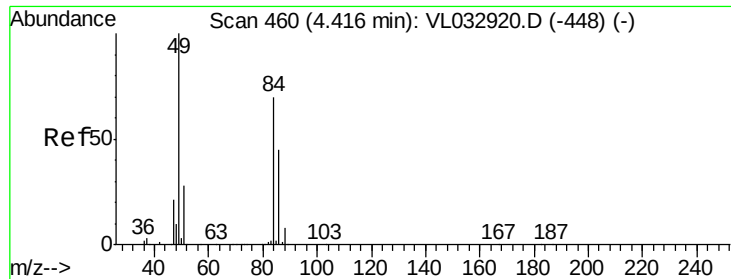
Tgt Ion: 45 Resp: 11355
Ion Ratio Lower Upper
45 100
46 63.7 13.8 55.4#



#15
Acetone
Concen: 1.442 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032989.D
Acq: 13 Dec 2018 18:57

Tgt Ion: 43 Resp: 138490
Ion Ratio Lower Upper
43 100
58 25.7 20.6 30.8

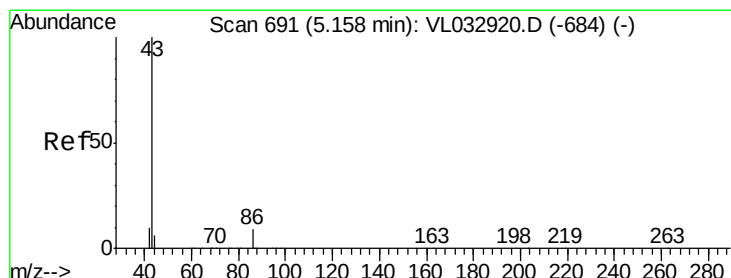
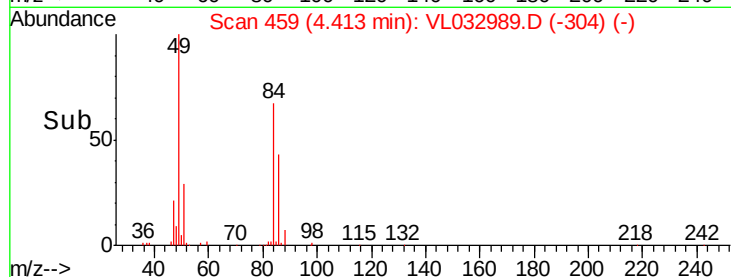
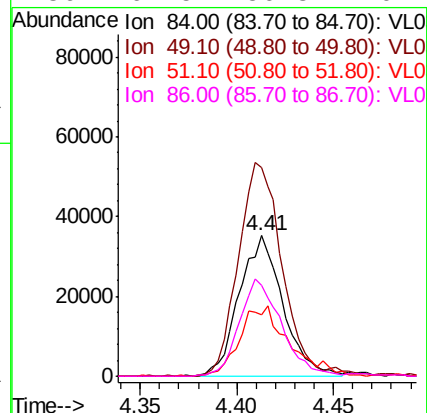
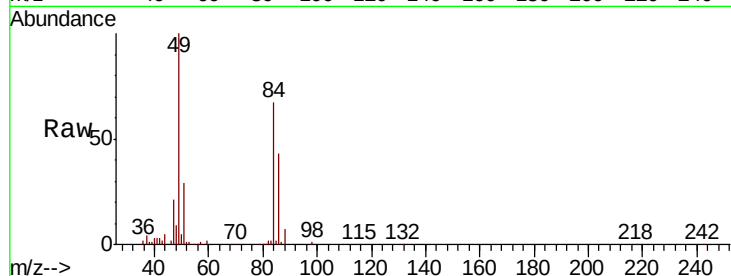




#20
Methylene Chloride
Concen: 1.180 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032989.D
Acq: 13 Dec 2018 18:57

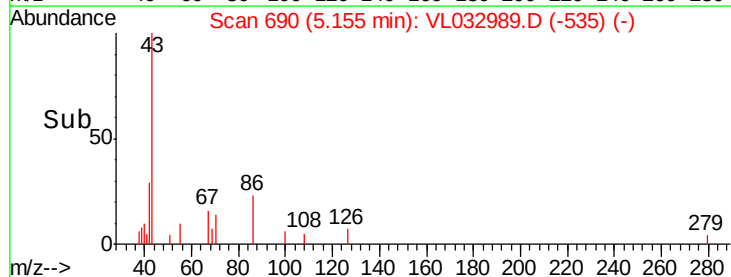
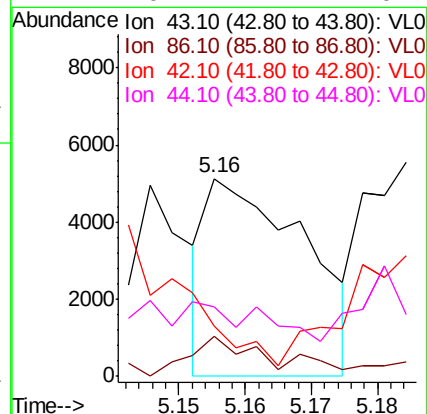
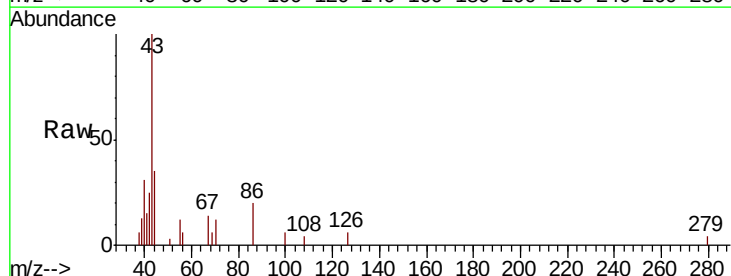
Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DUP

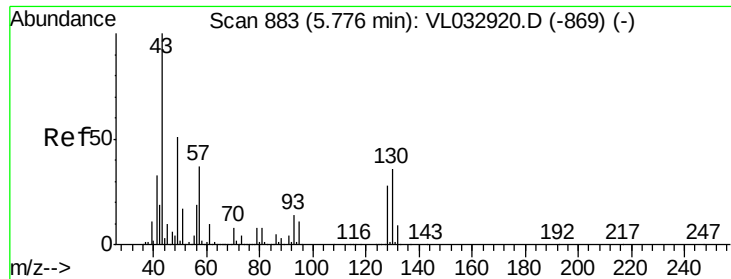
Tgt Ion:	84	Resp:	55392
Ion	Ratio	Lower	Upper
84	100		
49	149.1	113.8	170.8
51	43.5	31.8	47.8
86	64.5	50.8	76.2



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL032989.D
Acq: 13 Dec 2018 18:57

Tgt Ion:	43	Resp:	5288
Ion	Ratio	Lower	Upper
43	100		
86	32.1	6.6	9.8#
42	3.1	8.3	12.5#
44	6.1	4.2	6.4

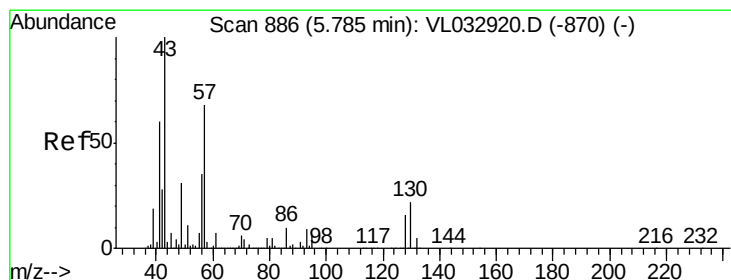
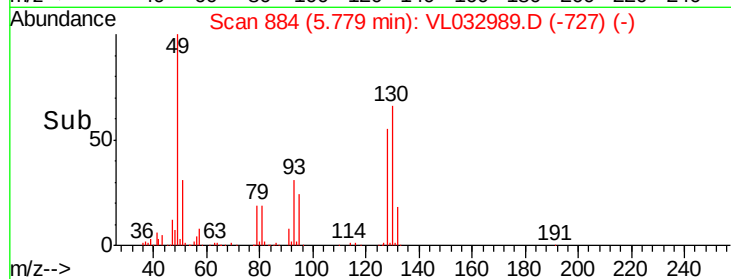
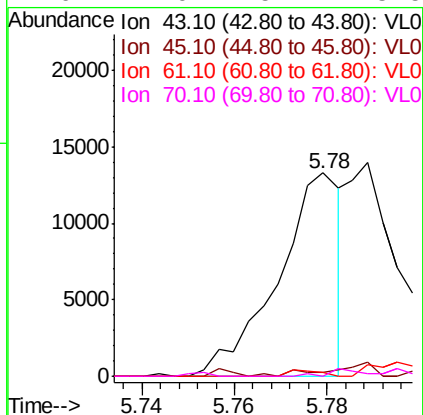
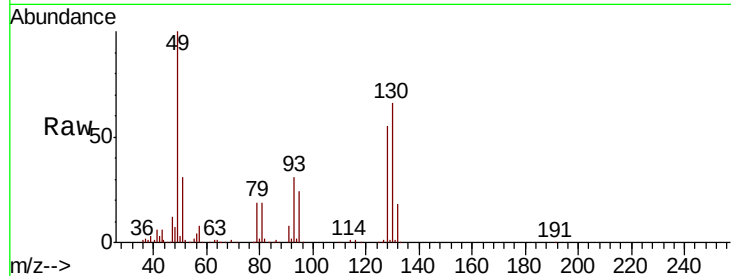




#25
Ethyl Acetate
Concen: 0.055 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032989.D
Acq: 13 Dec 2018 18:57

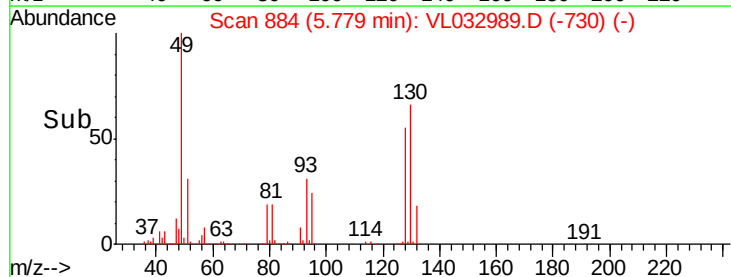
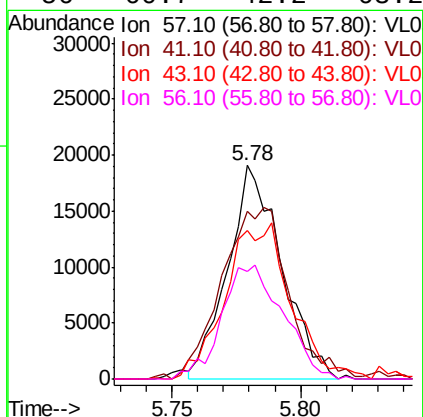
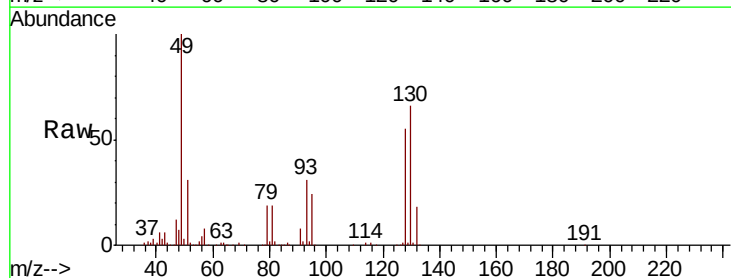
Instrument :
MSVOA_L
ClientSampleId :
P00131-SG001-181212-01DUP

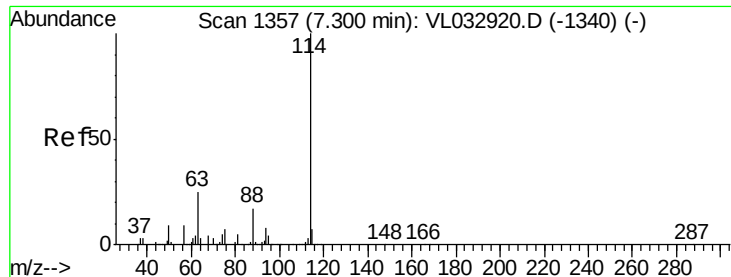
Tgt Ion:	43	Resp:	12491
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	1.6	7.4	11.2#
70	4.0	5.7	8.5#



#26
Hexane
Concen: 0.266 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032989.D
Acq: 13 Dec 2018 18:57

Tgt Ion:	57	Resp:	27880
Ion	Ratio	Lower	Upper
57	100		
41	101.7	72.2	108.2
43	91.6	171.9	257.9#
56	60.7	42.2	63.2

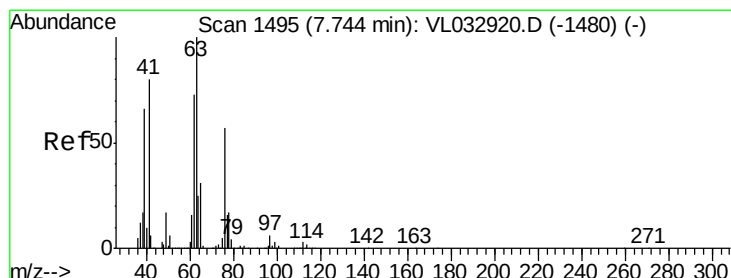
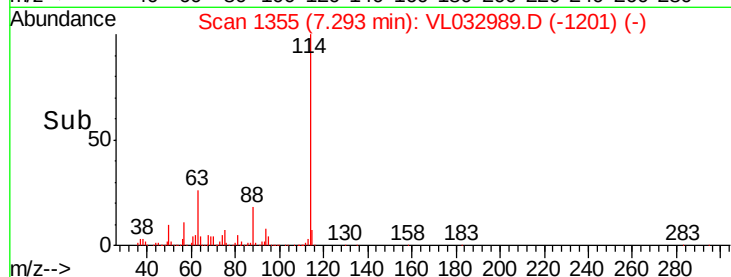
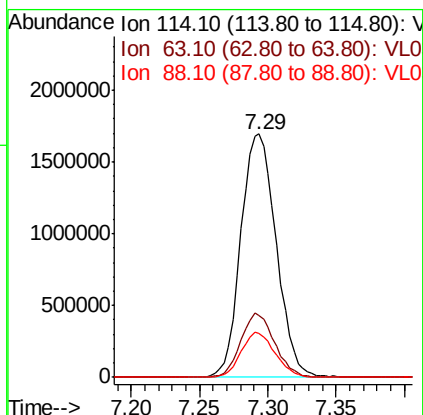
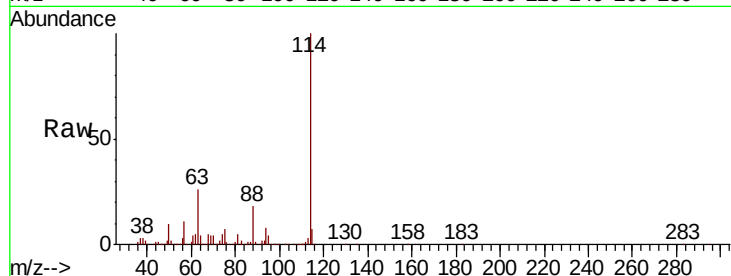




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032989.D
 Acq: 13 Dec 2018 18:57

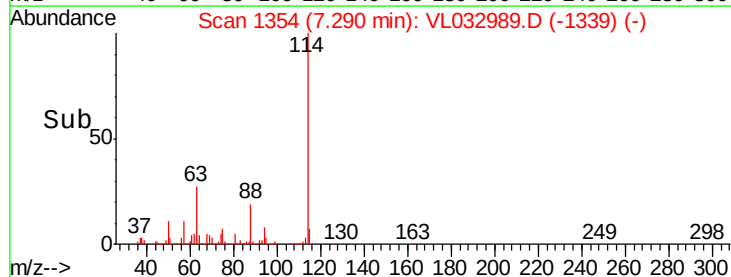
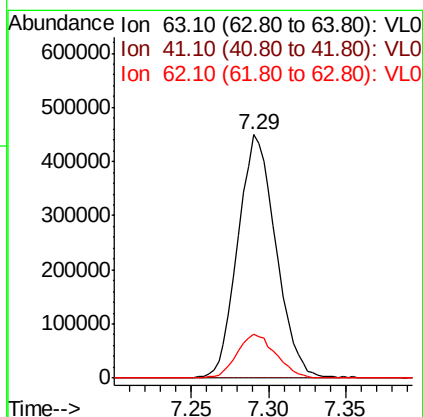
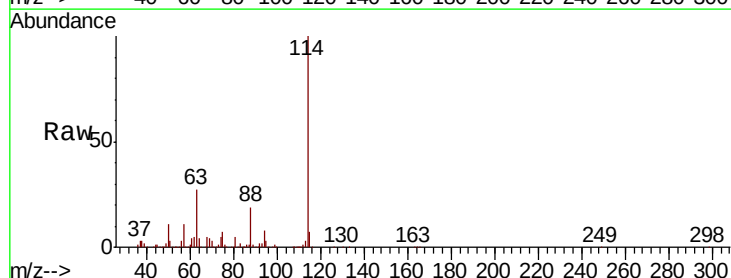
Instrument :
 MSVOA_L
 ClientSampleId :
 P00131-SG001-181212-01DUP

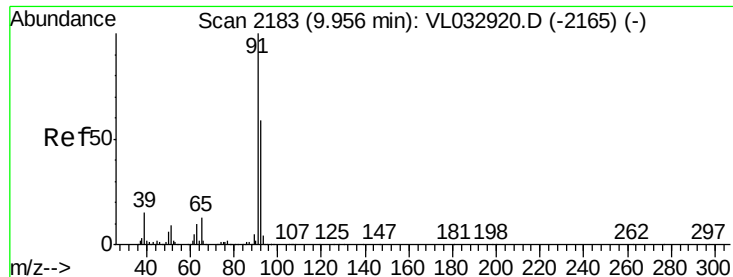
Tgt Ion:114 Resp: 3050820
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.8 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 9.029 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL032989.D
 Acq: 13 Dec 2018 18:57

Tgt Ion: 63 Resp: 768358
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.9 95.9#
 62 17.8 58.8 88.2#





#53

Toluene

Concen: 0.287 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032989.D

Acq: 13 Dec 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

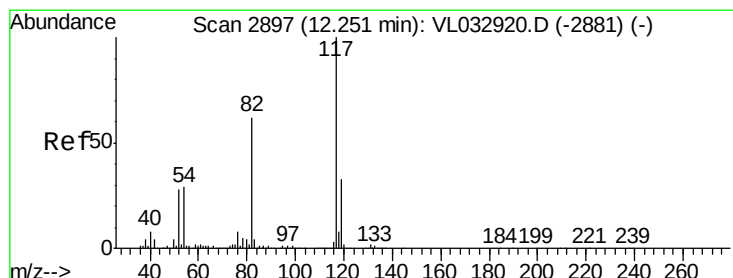
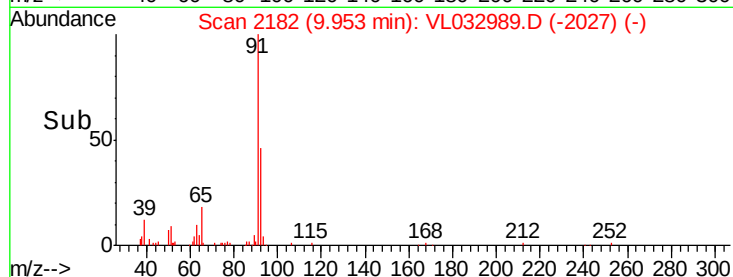
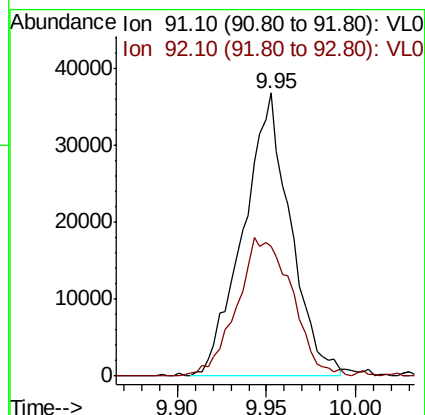
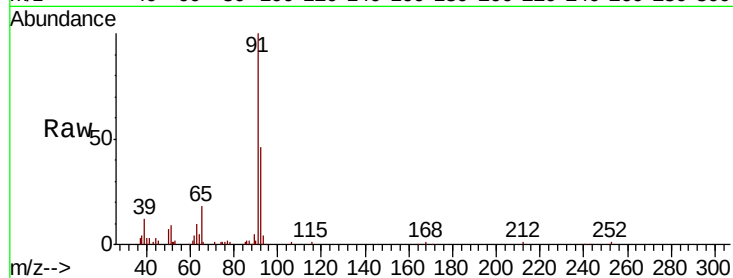
P00131-SG001-181212-01DUP

Tgt Ion: 91 Resp: 68357

Ion Ratio Lower Upper

91 100

92 57.4 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL032989.D

Acq: 13 Dec 2018 18:57

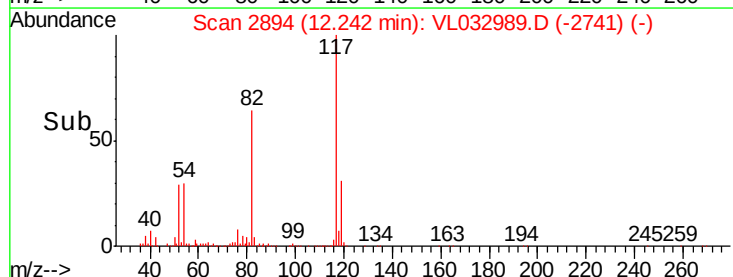
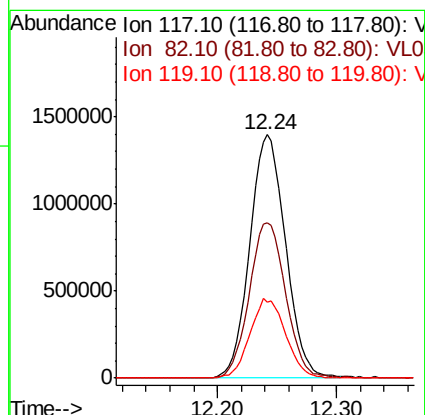
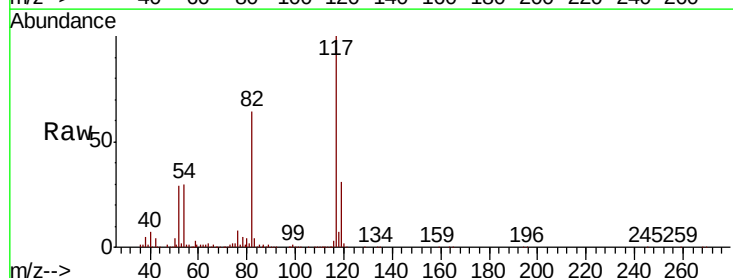
Tgt Ion: 117 Resp: 2907348

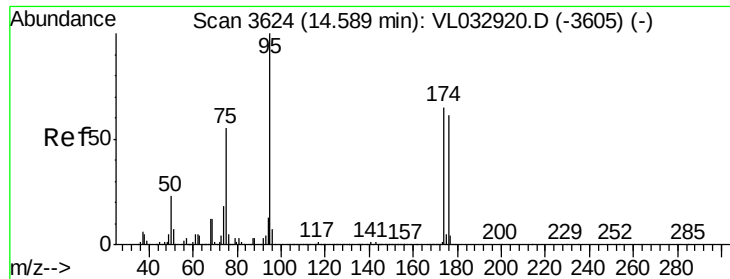
Ion Ratio Lower Upper

117 100

82 65.1 47.8 71.8

119 32.8 43.1 64.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.372 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032989.D

Acq: 13 Dec 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

P00131-SG001-181212-01DUP

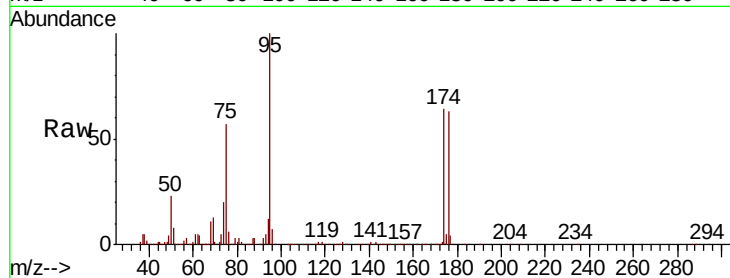
Tgt Ion: 95 Resp: 2227808

Ion Ratio Lower Upper

95 100

174 64.9 51.4 77.0

175 4.7 3.8 5.6



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

