

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033907.D
 Acq On : 13 Jun 2019 21:22
 Operator : SY/AP
 Sample : K3357-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:34:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	858257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	1970389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2131411	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1683785	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

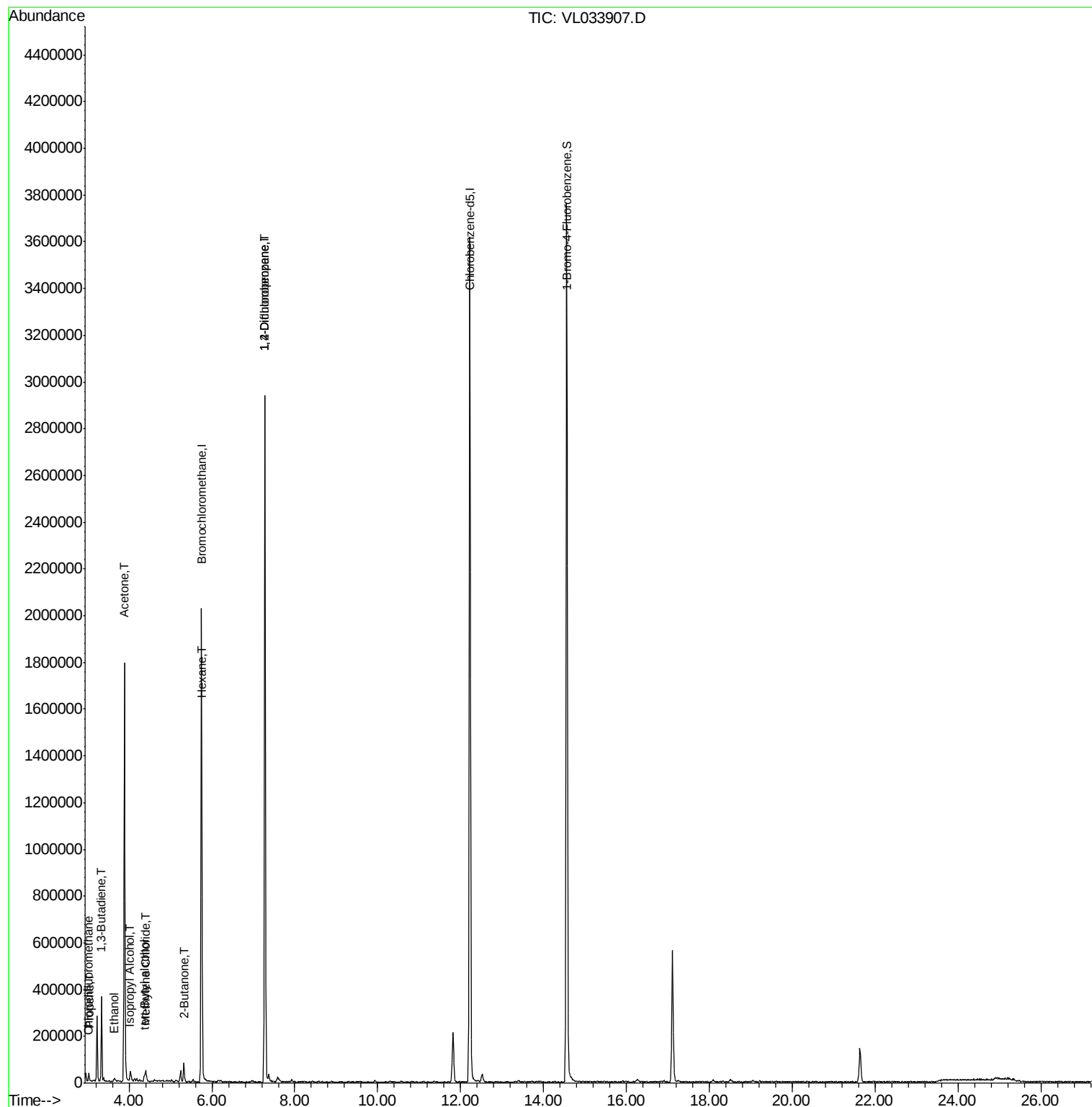
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	4579	0.045	ppbv #	80
9) Propene	3.02	41	1807	0.048	ppbv #	1
13) Ethanol	3.65	45	12107	0.984	ppbv	96
15) Acetone	3.89	43	1750247	13.983	ppbv	97
16) 1,3-Butadiene	3.34	39	89241	1.873	ppbv #	14
17) tert-Butyl alcohol	4.37	59	20012	0.205	ppbv #	89
19) Isopropyl Alcohol	4.03	45	36353	0.508	ppbv #	94
20) Methylene Chloride	4.40	84	12607	0.258	ppbv	88
26) Hexane	5.77	57	4806	0.055	ppbv #	42
34) 2-Butanone	5.32	43	87992	0.792	ppbv	97
39) 1,2-Dichloropropane	7.27	63	515028	8.866	ppbv #	25

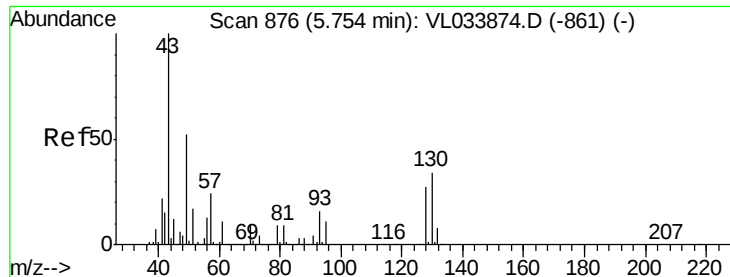
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033907.D
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jun 14 05:34:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033907.D

Acq: 13 Jun 2019 21:22

Instrument :
MSVOA_L
ClientSampled :

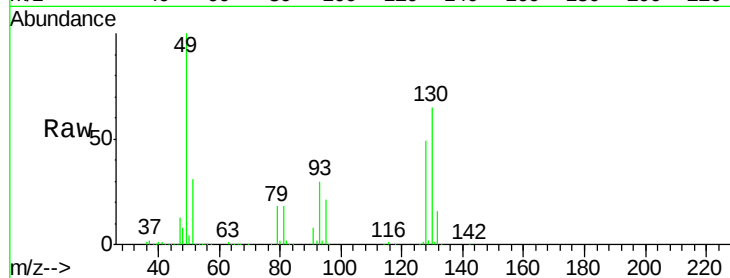
Tot Ion: 49 Resp: 858257

Ion Ratio Lower Upper

49 100

128 50.1 25.5 76.5

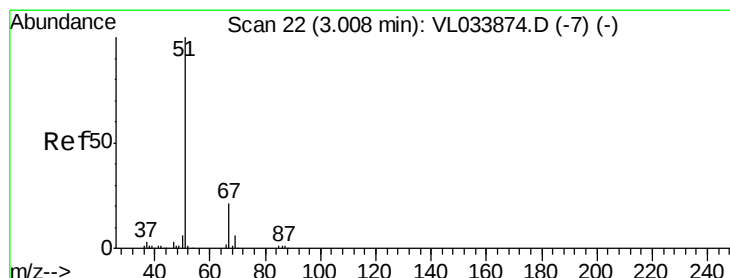
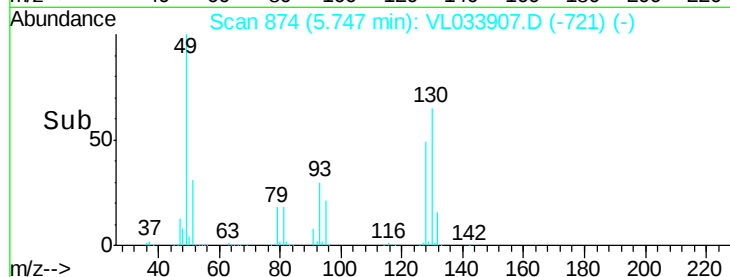
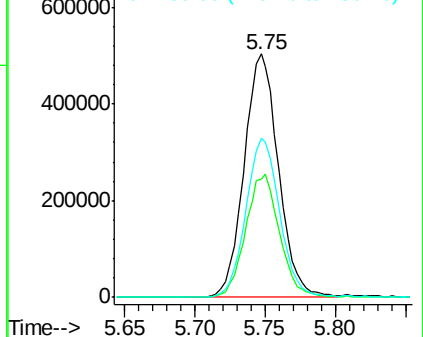
130 64.9 32.5 97.4



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: 0.045 ppbv

RT: 3.00 min Scan# 20

Delta R.T. -0.01 min

Lab File: VL033907.D

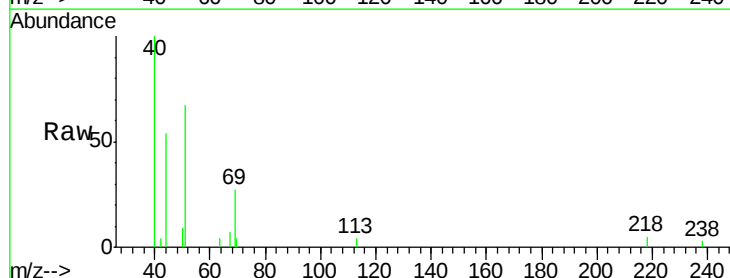
Acq: 13 Jun 2019 21:22

Tgt Ion: 51 Resp: 4579

Ion Ratio Lower Upper

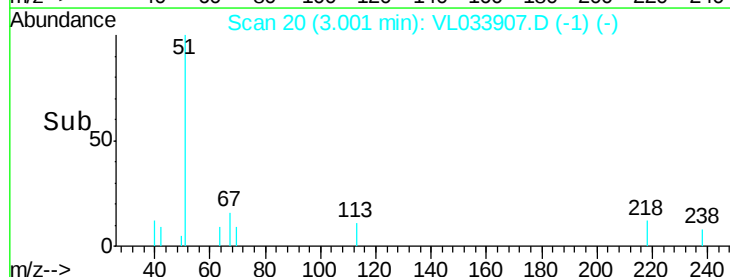
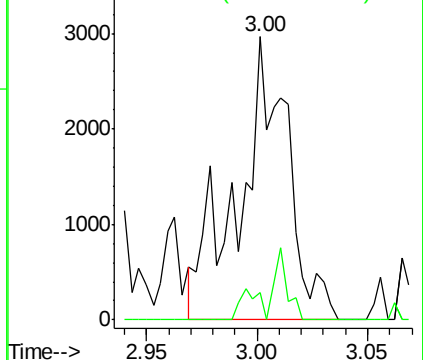
51 100

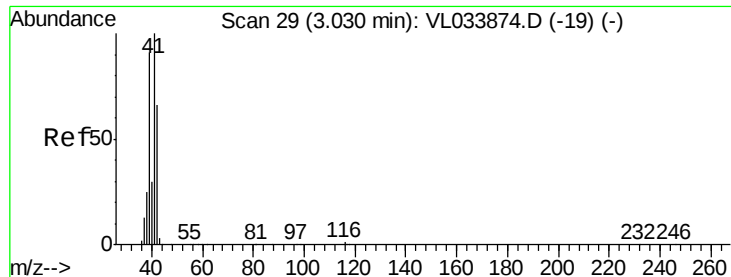
67 11.1 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.048 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.01 min

Lab File: VL033907.D

Acq: 13 Jun 2019 21:22

Instrument :

MSVOA_L

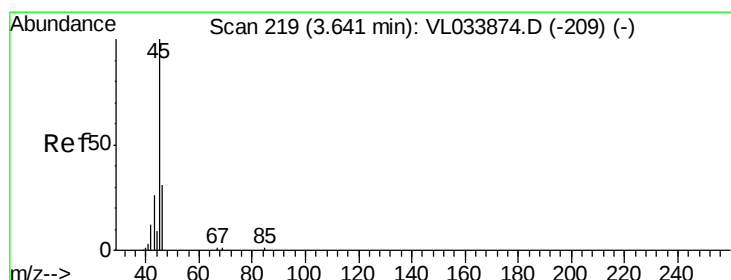
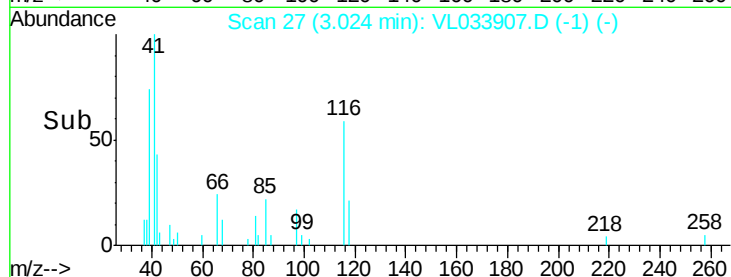
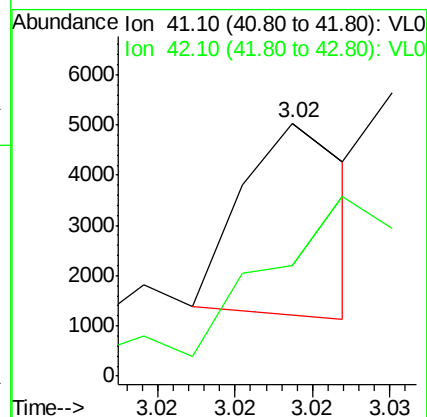
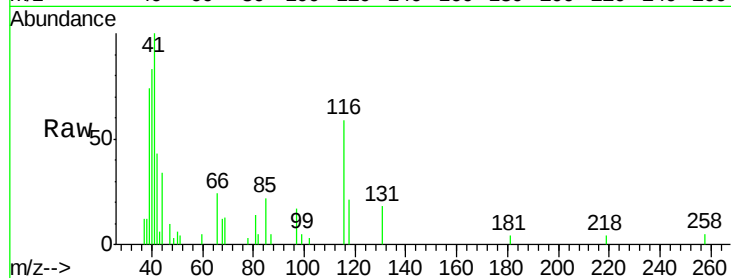
ClientSampled :

Tot Ion: 41 Resp: 1807

Ion Ratio Lower Upper

41 100

42 268.2 56.3 84.5#



#13

Ethanol

Concen: 0.984 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.01 min

Lab File: VL033907.D

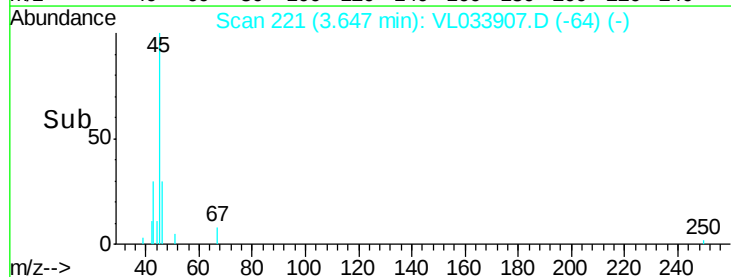
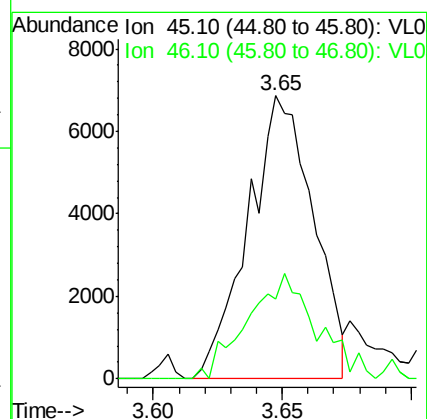
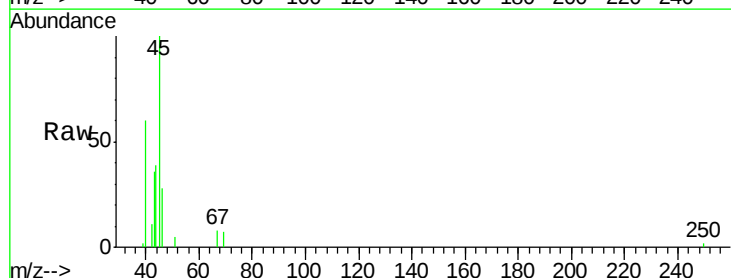
Acq: 13 Jun 2019 21:22

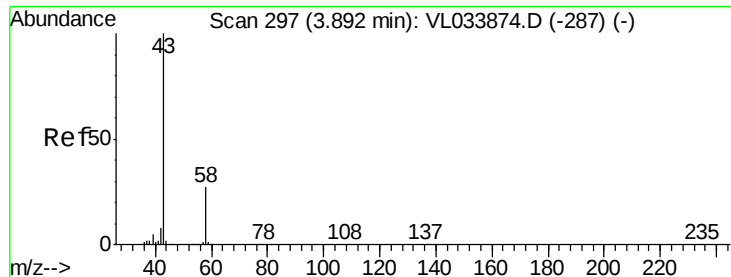
Tgt Ion: 45 Resp: 12107

Ion Ratio Lower Upper

45 100

46 40.6 15.3 61.1





#15

Acetone

Concen: 13.983 ppbv

RT: 3.89 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL033907.D

Acq: 13 Jun 2019 21:22

Instrument :

MSVOA_L

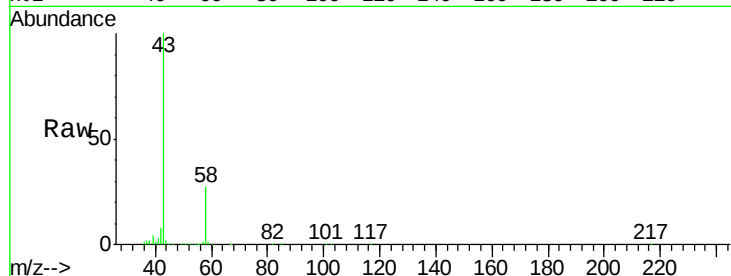
ClientSampleId :

Tot Ion: 43 Resp: 1750247

Ion Ratio Lower Upper

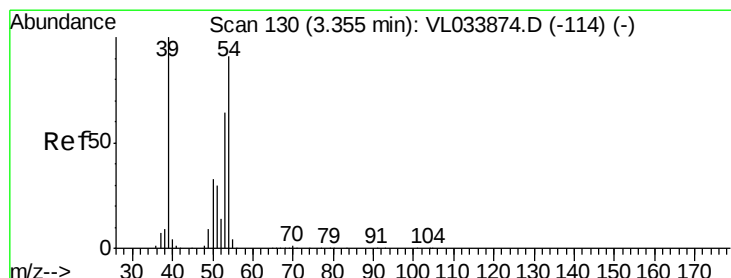
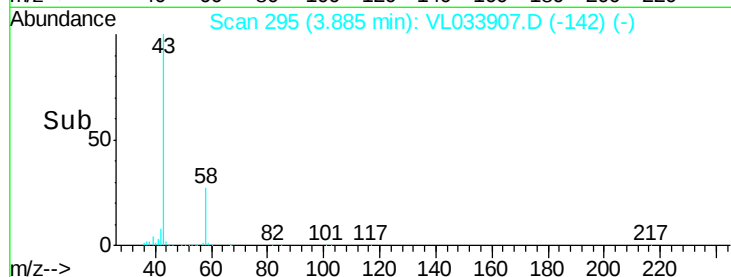
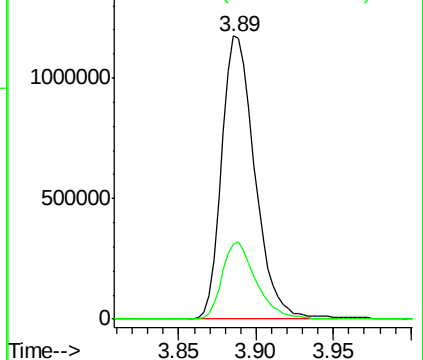
43 100

58 28.0 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.873 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.02 min

Lab File: VL033907.D

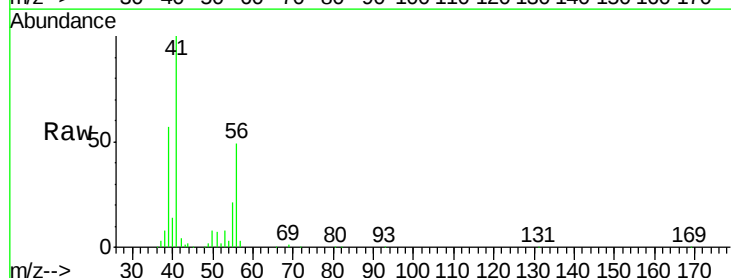
Acq: 13 Jun 2019 21:22

Tgt Ion: 39 Resp: 89241

Ion Ratio Lower Upper

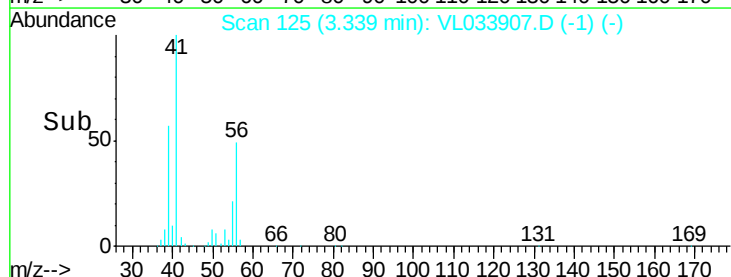
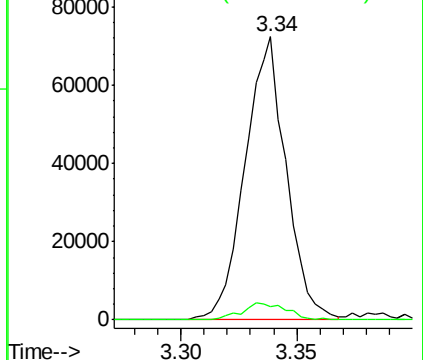
39 100

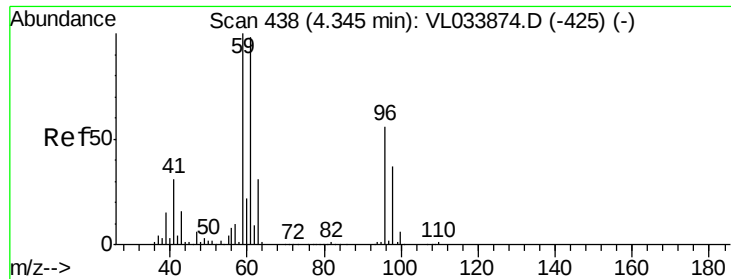
54 6.8 68.6 103.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



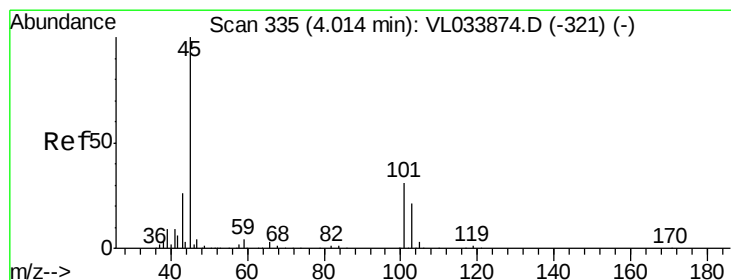
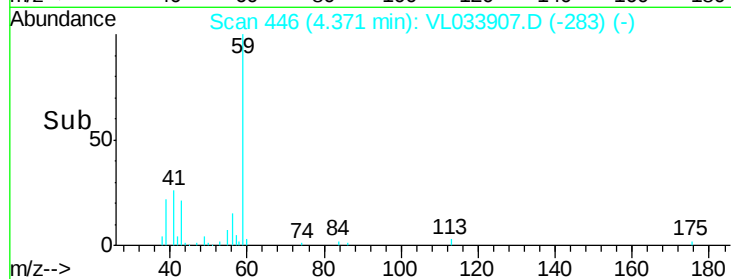
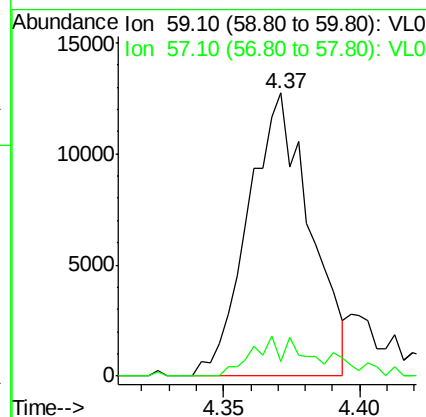
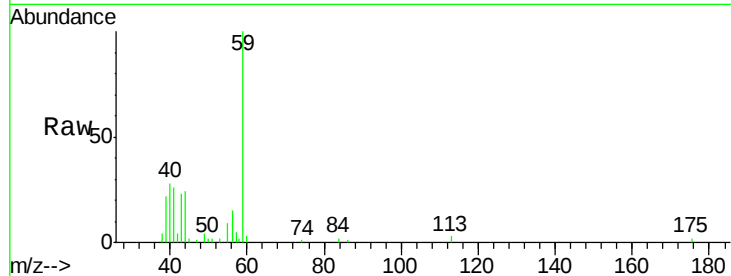


#17

tert-Butyl alcohol
Concen: 0.205 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.03 min
Lab File: VL033907.D
Acq: 13 Jun 2019 21:22

Instrument :
MSVOA_L
ClientSampled :

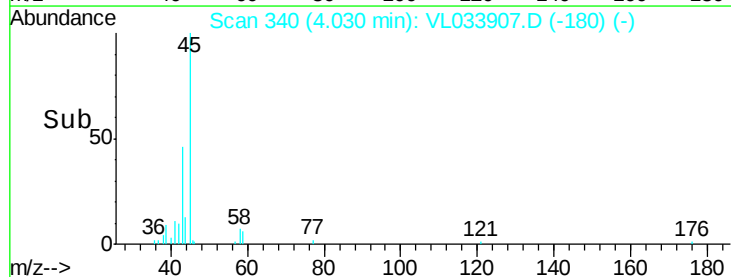
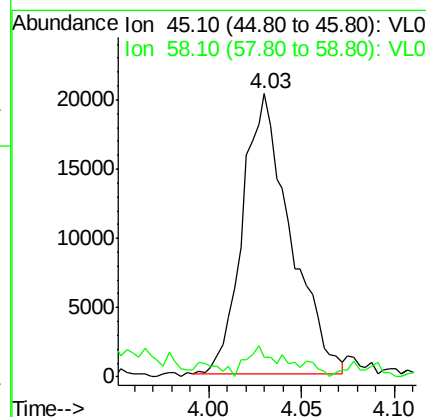
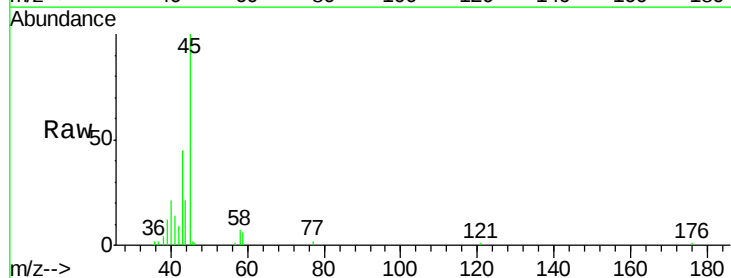
Tot Ion: 59 Resp: 20012
Ion Ratio Lower Upper
59 100
57 14.8 8.4 12.6#

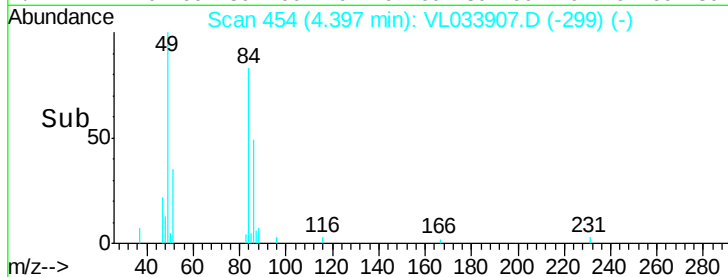
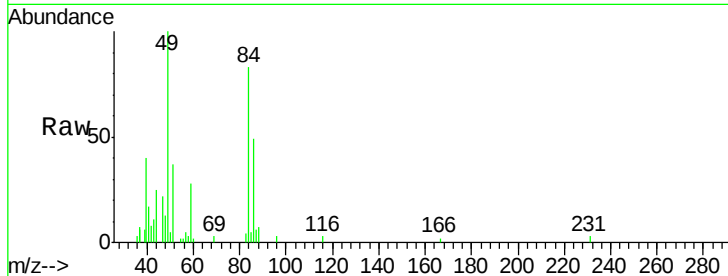
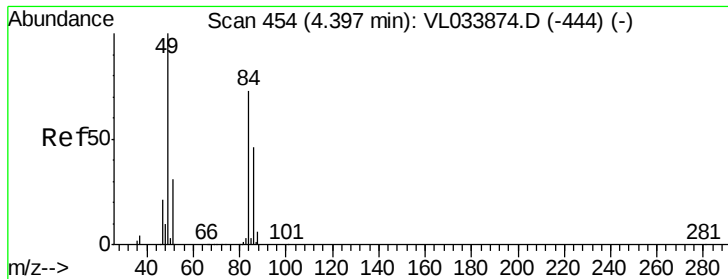


#19

Isopropyl Alcohol
Concen: 0.508 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL033907.D
Acq: 13 Jun 2019 21:22

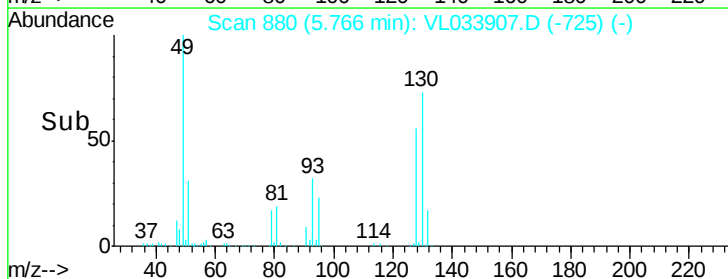
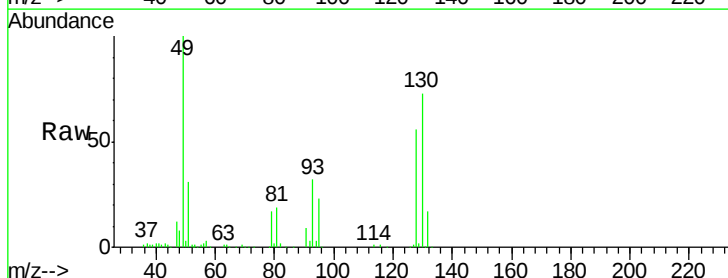
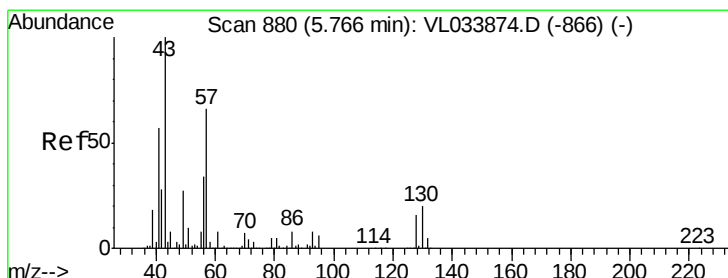
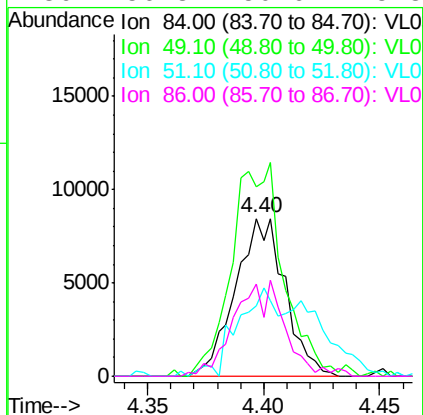
Tgt Ion: 45 Resp: 36353
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.6#





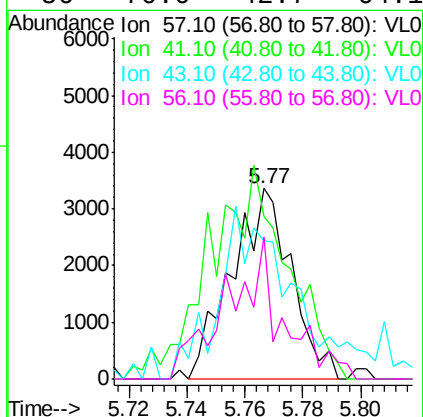
#20
Methvlene Chloride
Concen: 0.258 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.00 min
Lab File: VL033907.D
Acq: 13 Jun 2019 21:22

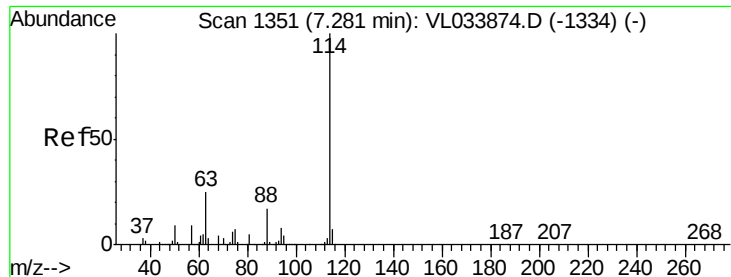
Tot Ion:	84	Resp:	12607
Ion	Ratio	Lower	Upper
84	100		
49	117.6	110.0	165.0
51	44.3	34.6	51.8
86	56.3	50.6	75.8



#26
Hexane
Concen: 0.055 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033907.D
Acq: 13 Jun 2019 21:22

Tgt Ion:	57	Resp:	4806
Ion	Ratio	Lower	Upper
57	100		
41	146.8	71.4	107.2#
43	122.9	183.7	275.5#
56	70.0	42.7	64.1#

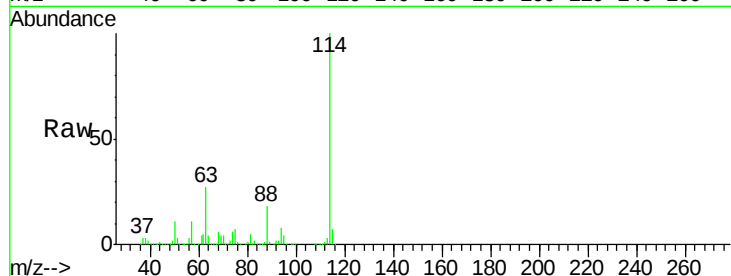




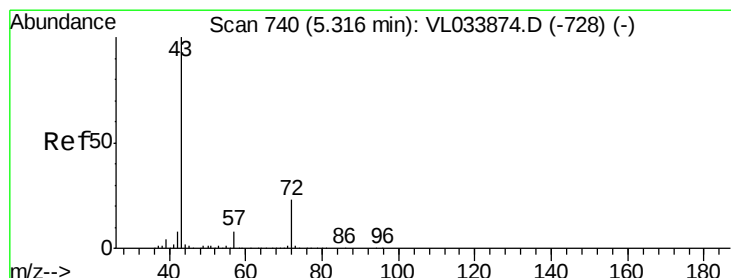
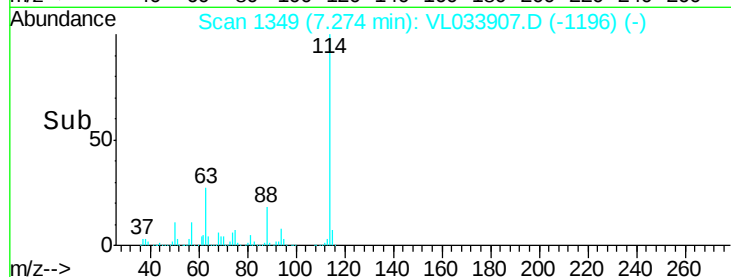
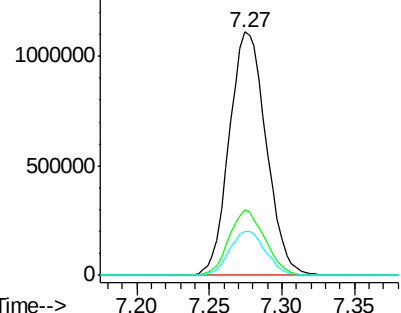
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033907.D
 Acq: 13 Jun 2019 21:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1970389
 Ion Ratio Lower Upper
 114 100
 63 26.2 21.1 31.7
 88 17.9 14.2 21.4

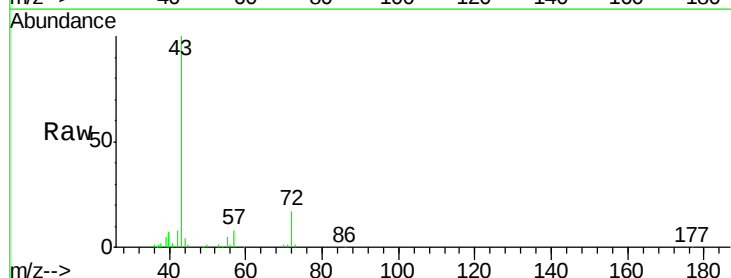


Abundance Ion 114.10 (113.80 to 114.80): V
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

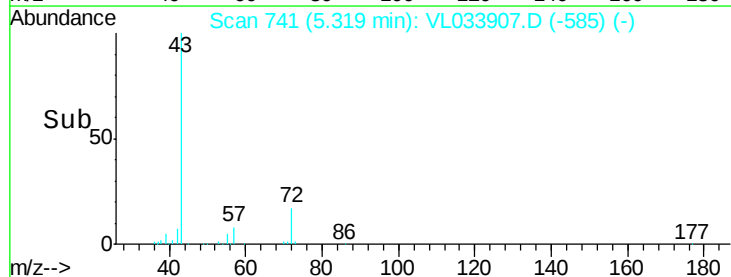
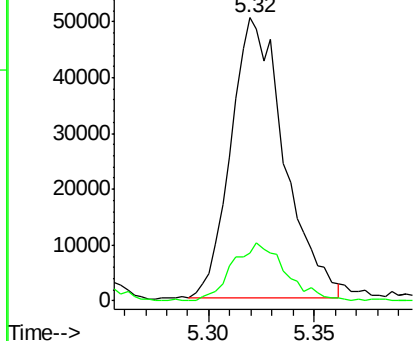


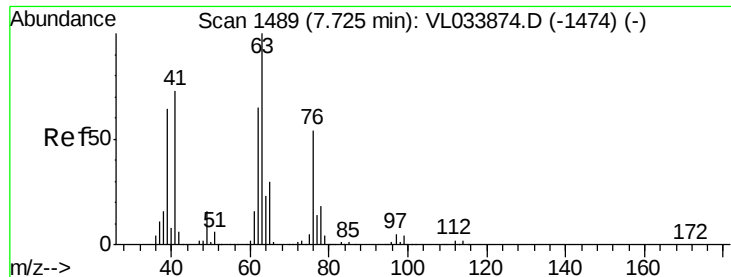
#34
 2-Butanone
 Concen: 0.792 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL033907.D
 Acq: 13 Jun 2019 21:22

Tgt Ion: 43 Resp: 87992
 Ion Ratio Lower Upper
 43 100
 72 21.1 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 60000 Ion 72.10 (71.80 to 72.80): VL0

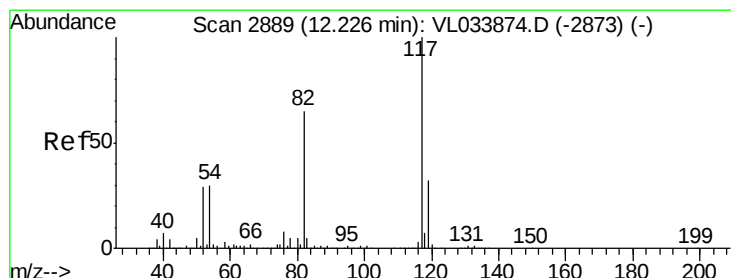
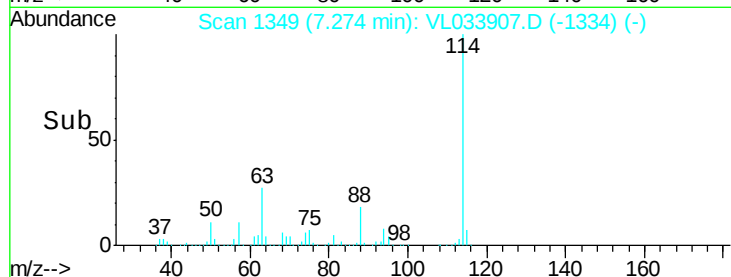
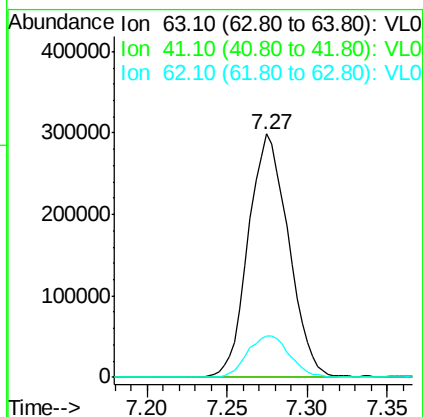
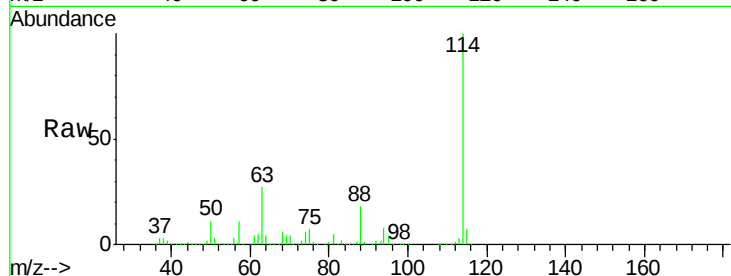




#39
 1,2-Dichloropropane
 Concen: 8.866 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.45 min
 Lab File: VL033907.D
 Acq: 13 Jun 2019 21:22

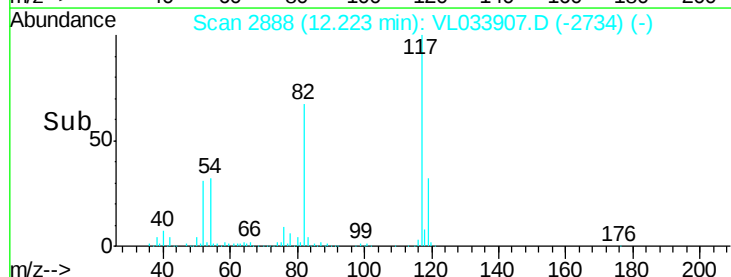
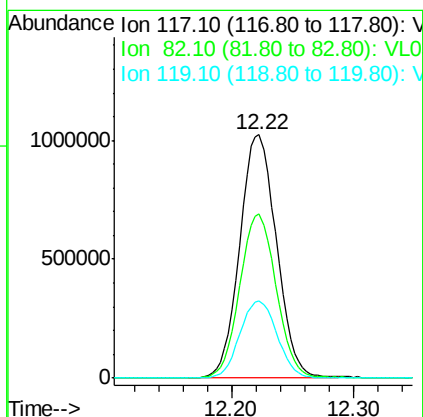
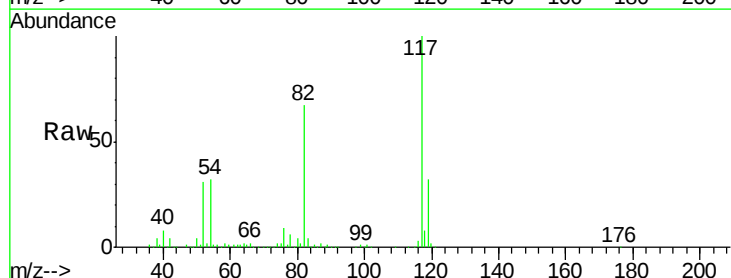
Instrument :
 MSVOA_L
 ClientSampleId :

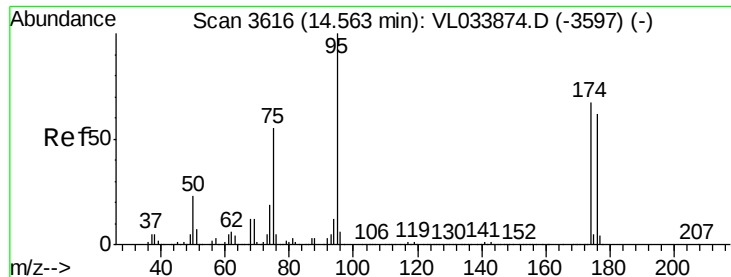
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.7	88.1#
62	16.8	51.9	77.9#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.22 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VL033907.D
 Acq: 13 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.3	50.2	75.2
119	32.3	24.8	37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.618 ppbv

RT: 14.56 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL033907.D

Acq: 13 Jun 2019 21:22

Instrument :

MSVOA_L

ClientSampleId :

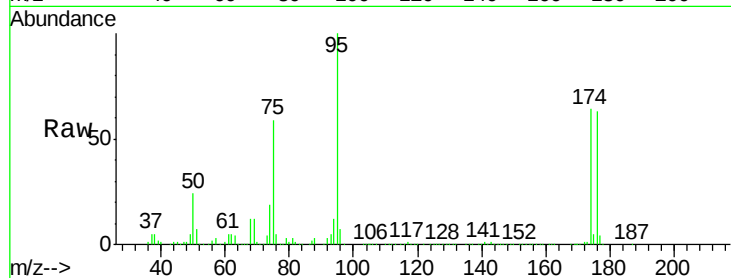
Tot Ion: 95 Resp: 1683785

Ion Ratio Lower Upper

95 100

174 65.2 54.0 81.0

175 4.6 3.8 5.8



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

