

Data File : VL033588.D
Acq On : 16 Apr 2019 11:31
Operator : SY/AP
Sample : VL0416ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABL01

Quant Time: Apr 17 05:48:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	829817	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1997792	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2076476	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1677084	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

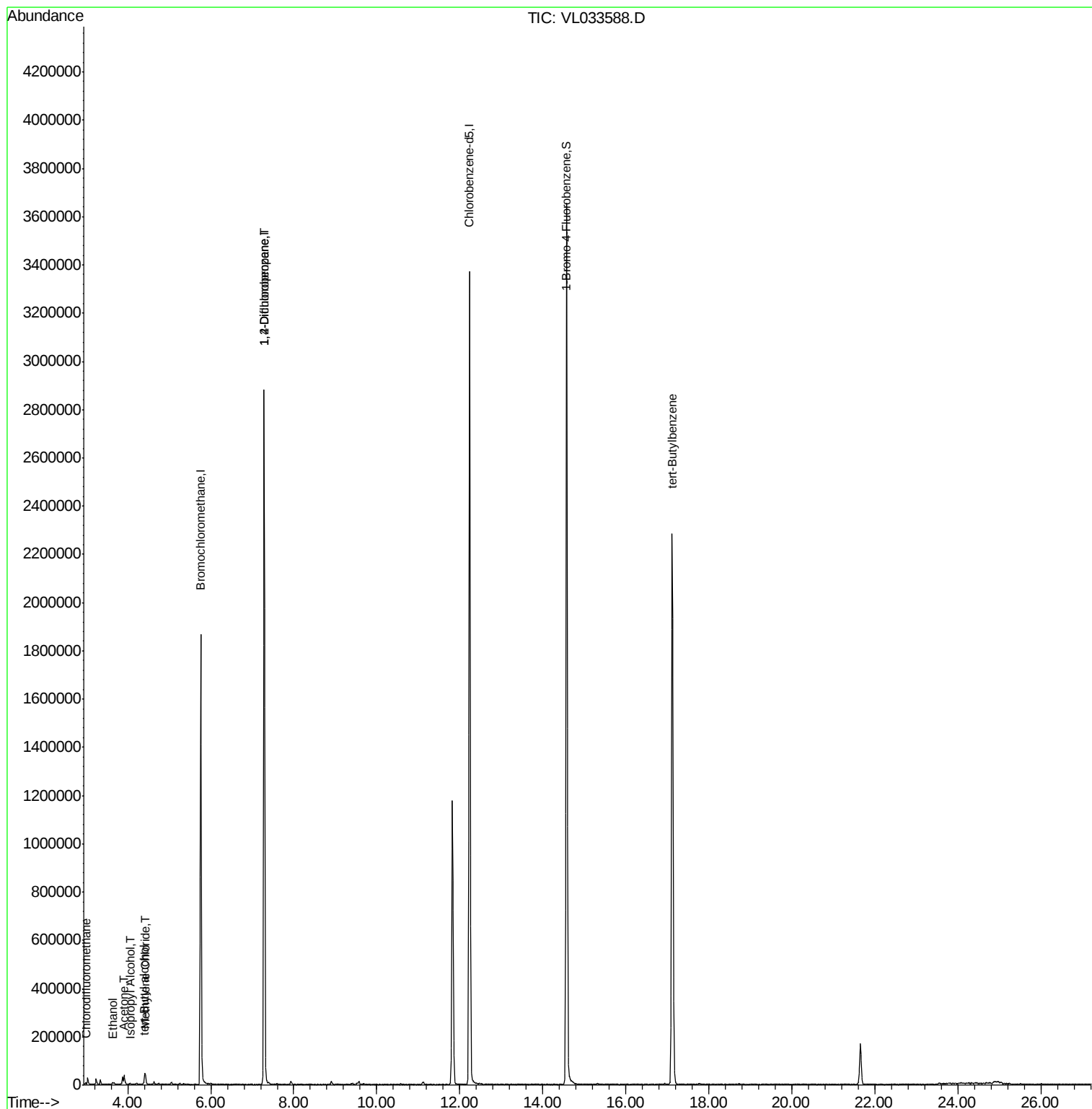
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	5342	0.056	ppbv #	66
13) Ethanol	3.65	45	498	0.048	ppbv #	18
15) Acetone	3.91	43	35267	0.353	ppbv #	84
17) tert-Butyl alcohol	4.38	59	2486	0.136	ppbv #	73
19) Isopropyl Alcohol	4.05	45	2139	0.034	ppbv #	95
20) Methylene Chloride	4.41	84	12256	0.289	ppbv #	88
39) 1,2-Dichloropropane	7.28	63	526830	8.023	ppbv #	23
65) tert-Butylbenzene	17.11	119	21257	0.071	ppbv #	22

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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VL0416ABL01

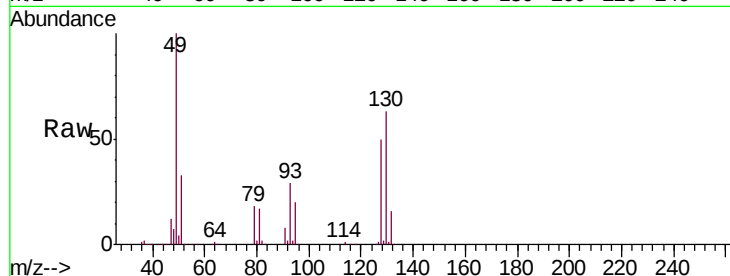
Tgt Ion: 49 Resp: 829817

Ion Ratio Lower Upper

49 100

128 50.1 24.0 72.0

130 64.1 31.2 93.6



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

600000

500000

400000

300000

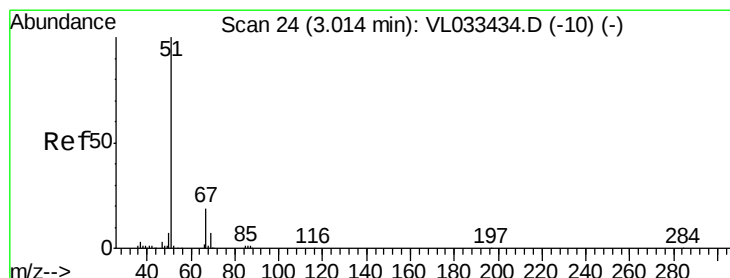
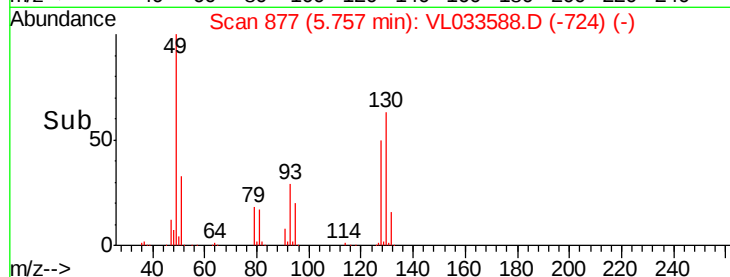
200000

100000

0

5.70 5.75 5.80

Time-->



#3

Chlorodifluoromethane

Concen: 0.056 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.03 min

Lab File: VL033588.D

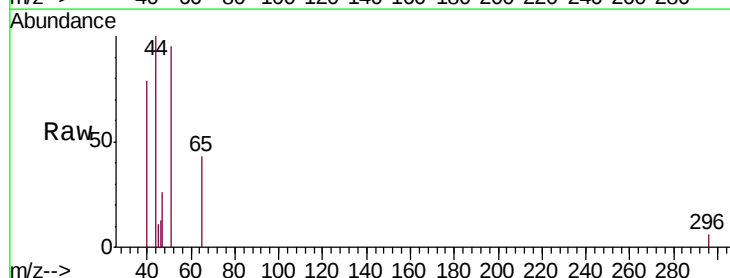
Acq: 16 Apr 2019 11:31

Tgt Ion: 51 Resp: 5342

Ion Ratio Lower Upper

51 100

67 4.1 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3000

2500

2000

1500

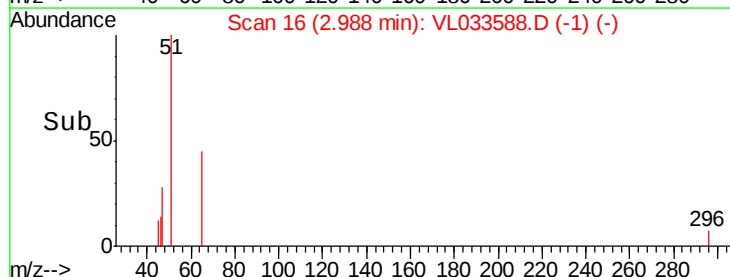
1000

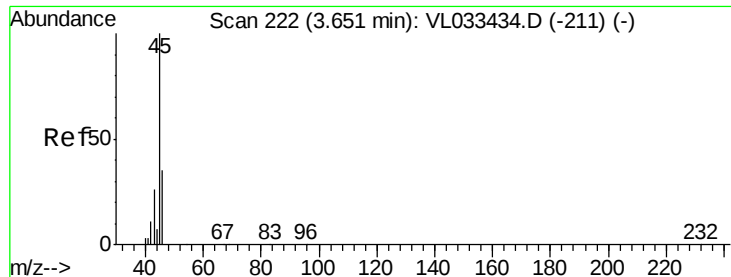
500

0

2.95 3.00 3.05

Time-->

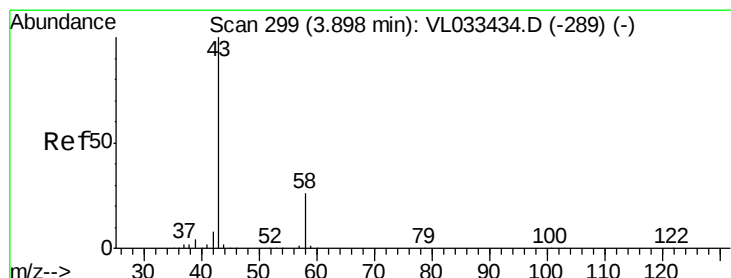
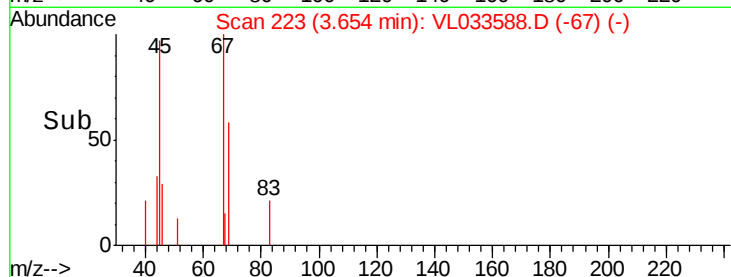
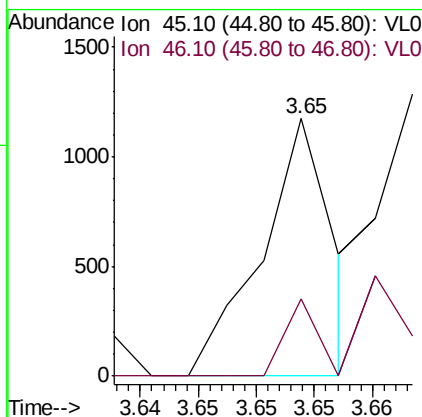
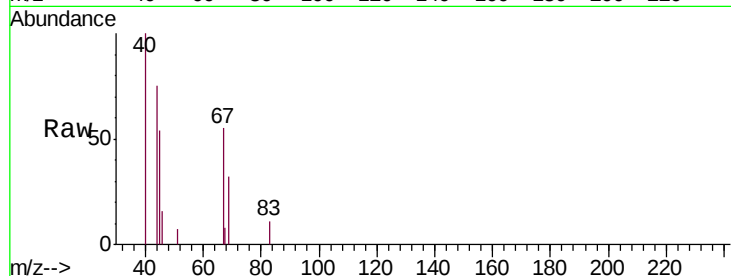




#13
Ethanol
Concen: 0.048 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033588.D
Acq: 16 Apr 2019 11:31

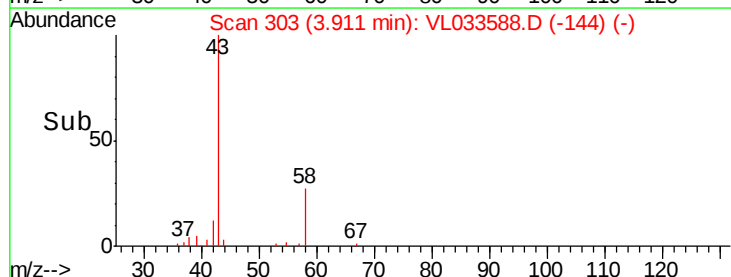
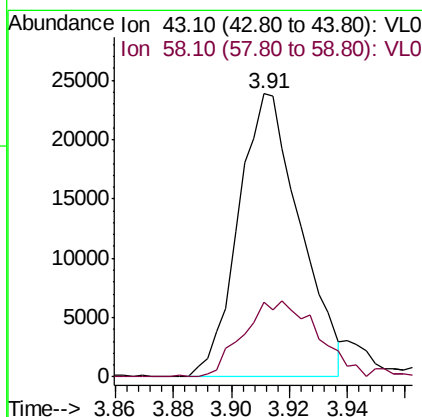
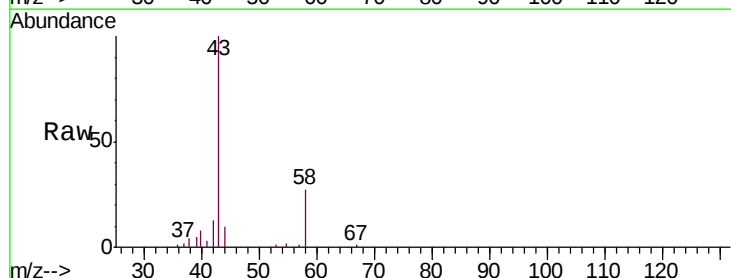
Instrument :
MSVOA_L
ClientSampleId :
VL0416ABL01

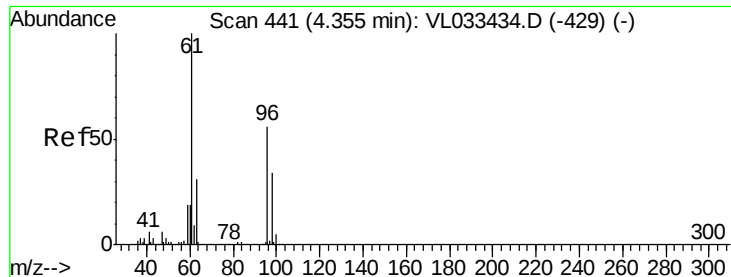
Tgt Ion: 45 Resp: 498
Ion Ratio Lower Upper
45 100
46 0.0 25.4 101.8#



#15
Acetone
Concen: 0.353 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033588.D
Acq: 16 Apr 2019 11:31

Tgt Ion: 43 Resp: 35267
Ion Ratio Lower Upper
43 100
58 33.5 20.5 30.7#





#17

tert-Butyl alcohol

Concen: 0.136 ppbv

RT: 4.38 min Scan# 450

Delta R.T. 0.03 min

Lab File: VL033588.D

Acq: 16 Apr 2019 11:31

Instrument :

MSVOA_L

ClientSampleId :

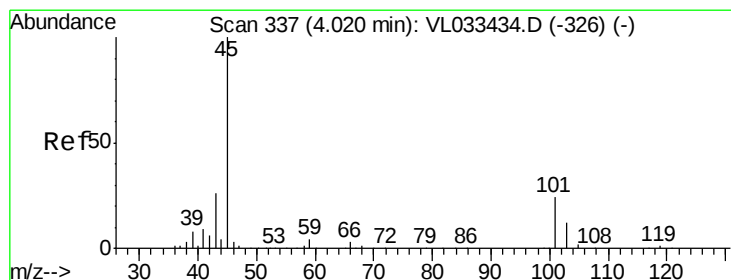
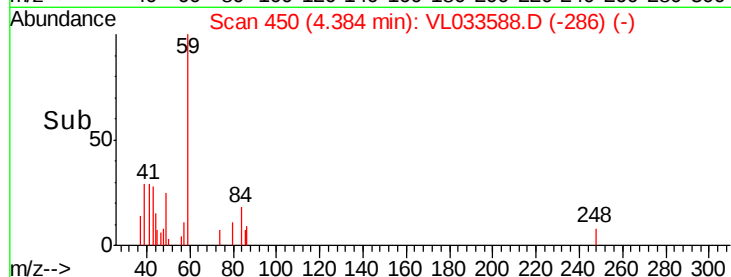
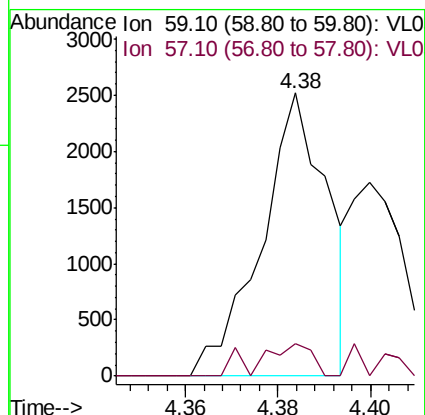
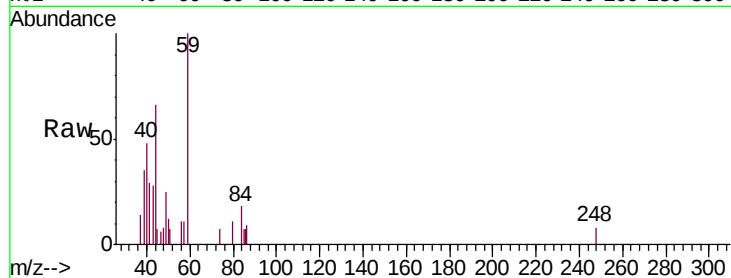
VL0416ABL01

Tgt Ion: 59 Resp: 2486

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#19

Isopropyl Alcohol

Concen: 0.034 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.03 min

Lab File: VL033588.D

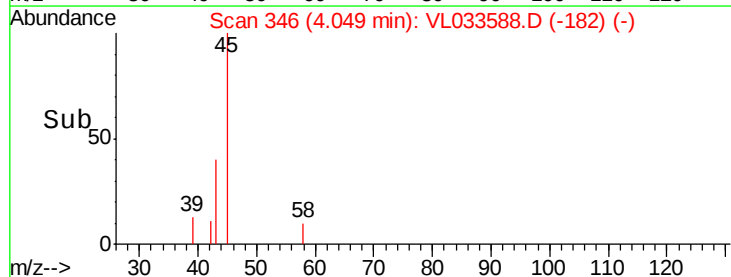
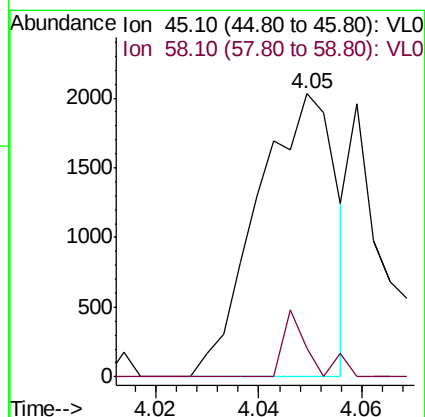
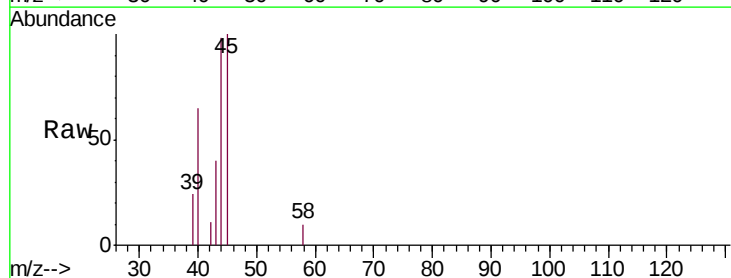
Acq: 16 Apr 2019 11:31

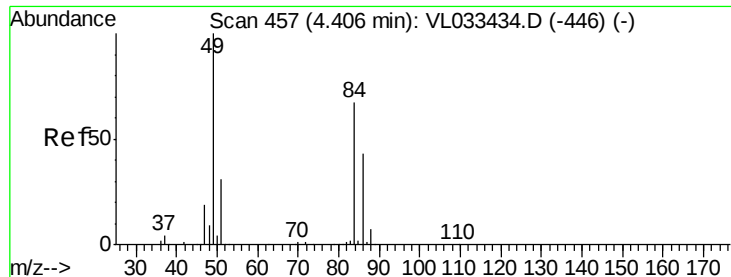
Tgt Ion: 45 Resp: 2139

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

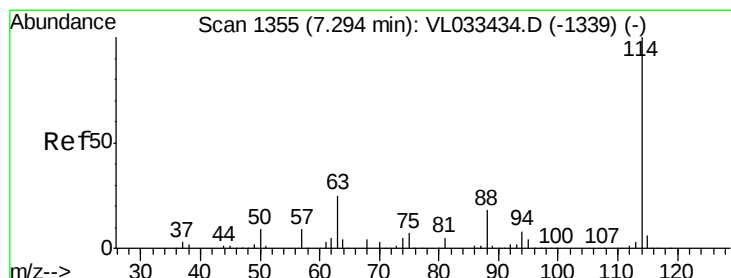
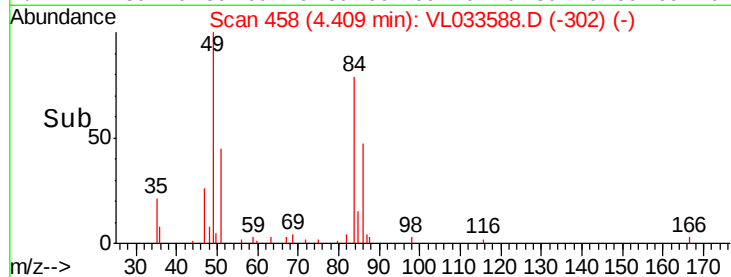
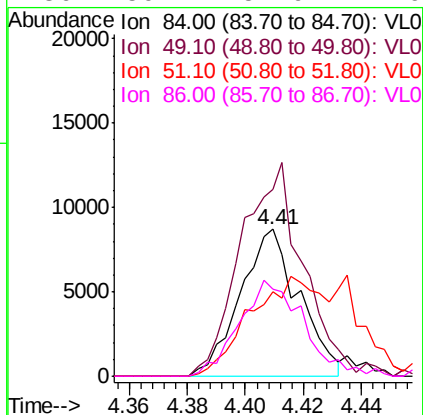
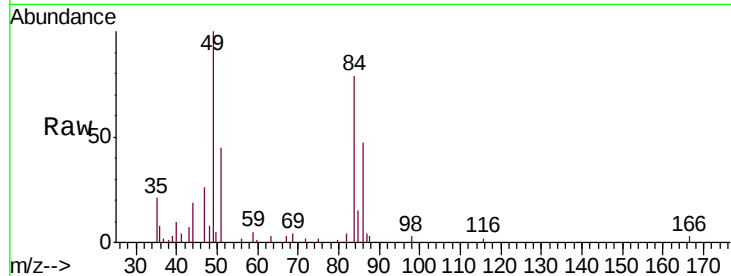




#20
Methylene Chloride
Concen: 0.289 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033588.D
Acq: 16 Apr 2019 11:31

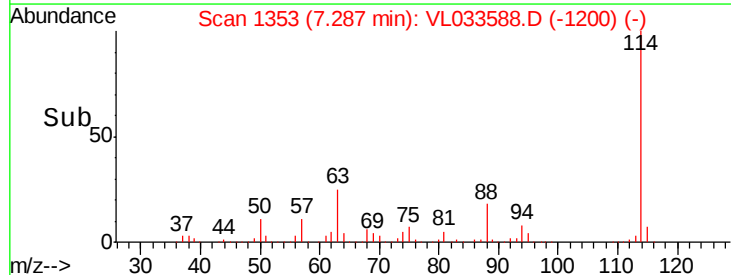
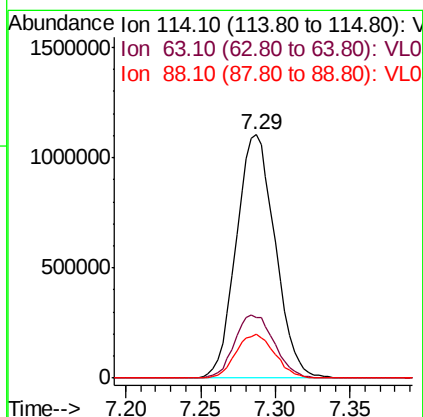
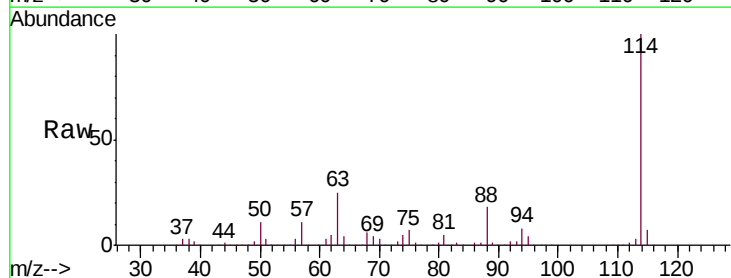
Instrument :
MSVOA_L
ClientSampleId :
VL0416ABL01

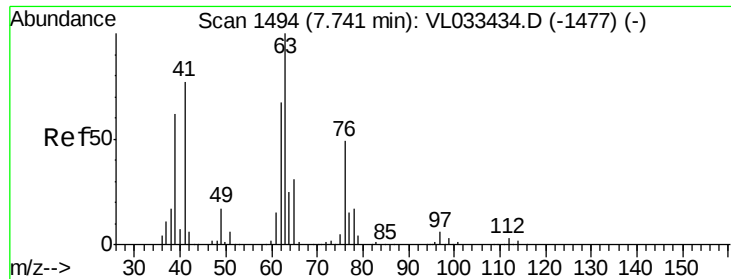
Tgt Ion: 84 Resp: 12256
Ion Ratio Lower Upper
84 100
49 133.7 120.0 180.0
51 57.6 36.7 55.1#
86 59.4 51.9 77.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033588.D
Acq: 16 Apr 2019 11:31

Tgt Ion: 114 Resp: 1997792
Ion Ratio Lower Upper
114 100
63 26.6 21.5 32.3
88 18.2 14.5 21.7

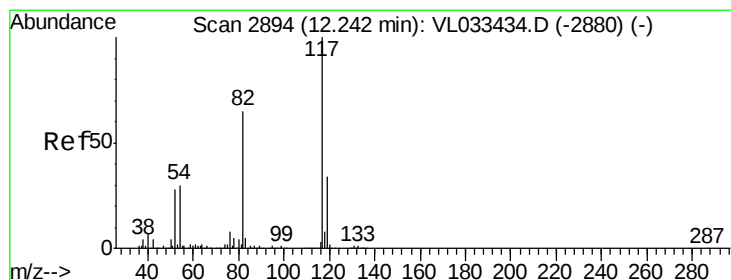
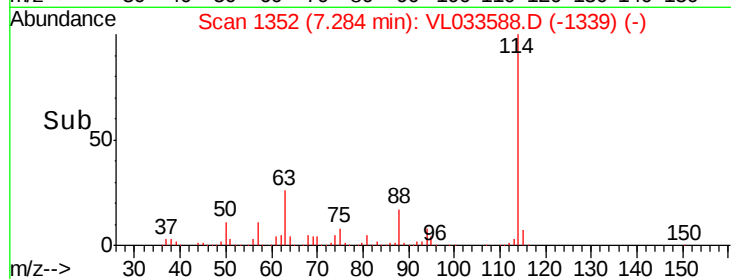
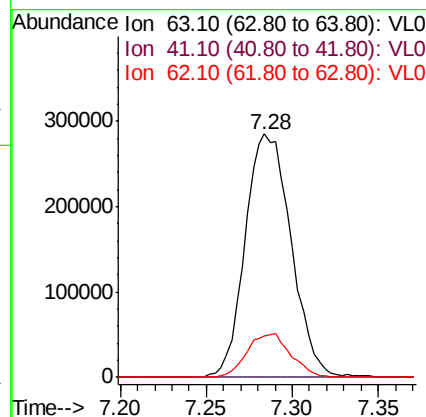
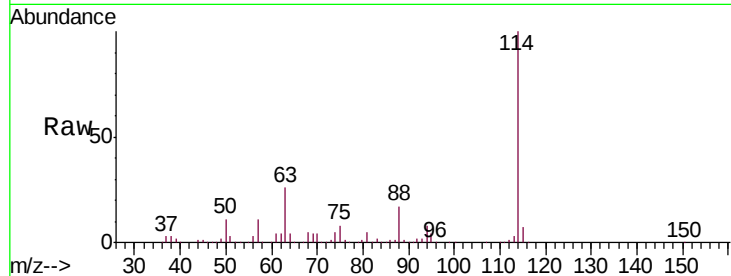




#39
 1,2-Dichloropropane
 Concen: 8.023 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033588.D
 Acq: 16 Apr 2019 11:31

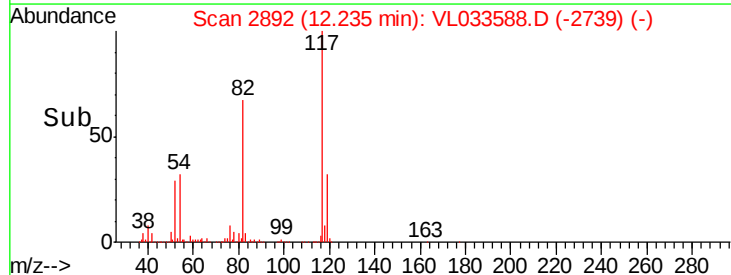
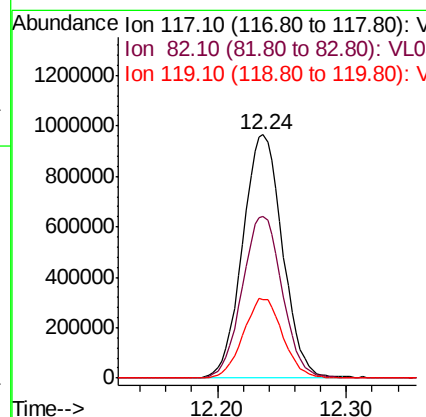
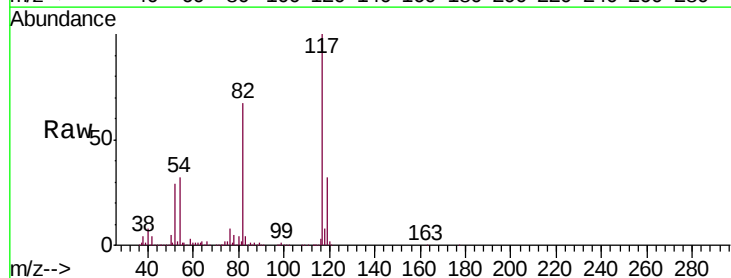
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0416ABL01

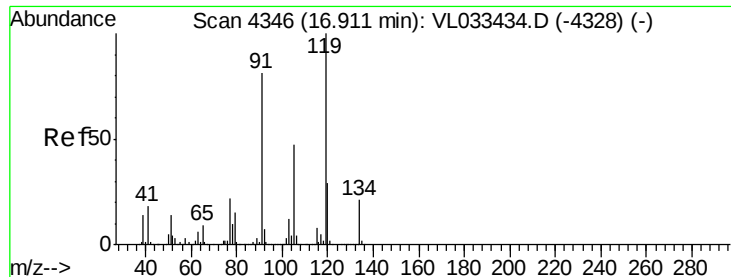
Tgt Ion: 63 Resp: 526830
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 17.1 54.0 81.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033588.D
 Acq: 16 Apr 2019 11:31

Tgt Ion: 117 Resp: 2076476
 Ion Ratio Lower Upper
 117 100
 82 67.2 51.5 77.3
 119 32.6 25.5 38.3

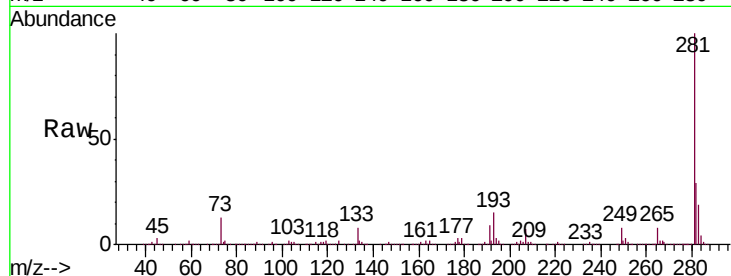




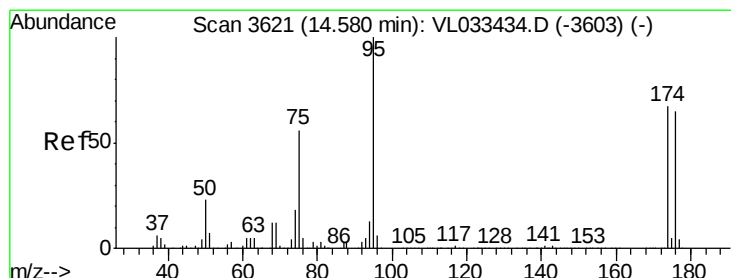
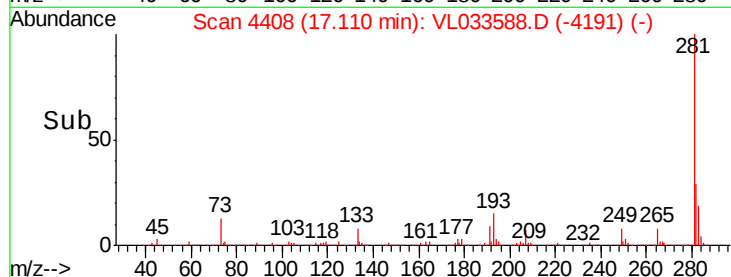
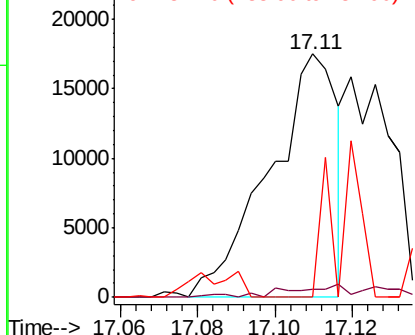
#65
 tert-Butylbenzene
 Concen: 0.071 ppbv
 RT: 17.11 min Scan# 4408
 Delta R.T. 0.20 min
 Lab File: VL033588.D
 Acq: 16 Apr 2019 11:31

Instrument :
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Tgt Ion: 119 Resp: 21257
 Ion Ratio Lower Upper
 119 100
 91 1.6 66.4 99.6#
 134 6.9 15.5 23.3#

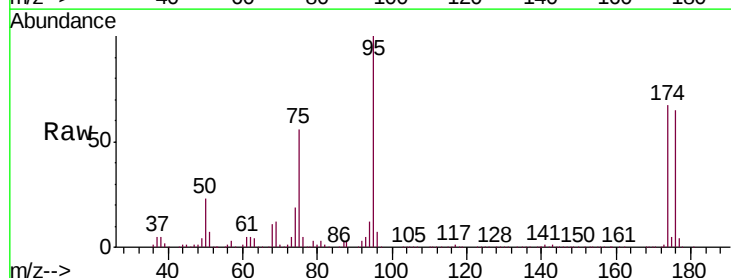


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.302 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033588.D
 Acq: 16 Apr 2019 11:31

Tgt Ion: 95 Resp: 1677084
 Ion Ratio Lower Upper
 95 100
 174 66.9 52.9 79.3
 175 4.8 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

