

Data File : VL033600.D
Acq On : 17 Apr 2019 13:41
Operator : SY/AP
Sample : VL0417ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABL01

Quant Time: Apr 18 05:37:29 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	877376	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2154426	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2110697	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1691667	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

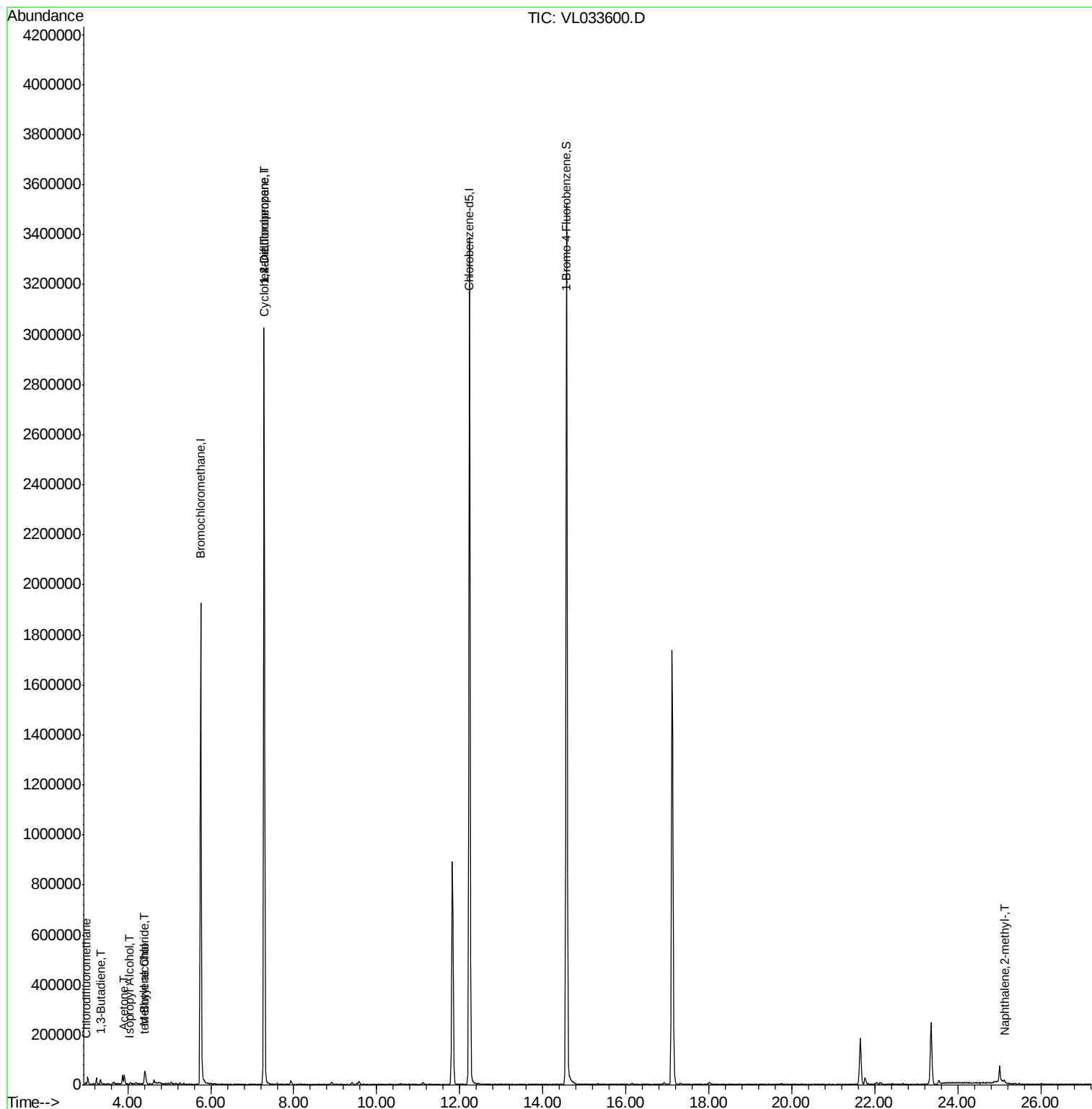
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	5489	0.054	ppbv #	68
15) Acetone	3.91	43	36545	0.346	ppbv #	88
16) 1,3-Butadiene	3.35	39	1875	0.045	ppbv #	17
17) tert-Butyl alcohol	4.38	59	1414	0.073	ppbv	95
19) Isopropyl Alcohol	4.05	45	2029	0.030	ppbv #	95
20) Methylene Chloride	4.41	84	14342	0.320	ppbv #	82
30) Cyclohexane	7.27	84	2920	0.042	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	552948	7.809	ppbv #	24
80) Naphthalene,2-methyl-	25.11	142	7475	0.093	ppbv	92

(#) = 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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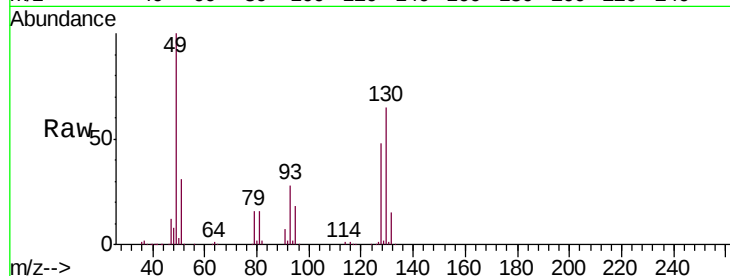
Tgt Ion: 49 Resp: 877376

Ion Ratio Lower Upper

49 100

128 50.1 24.0 72.0

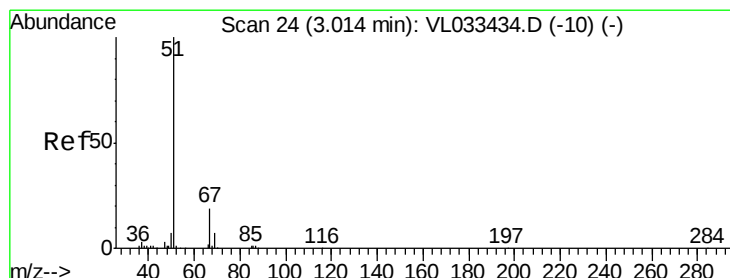
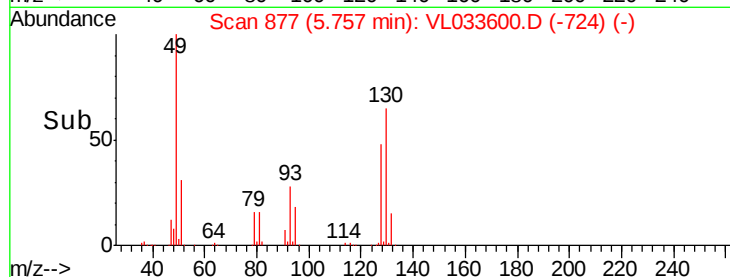
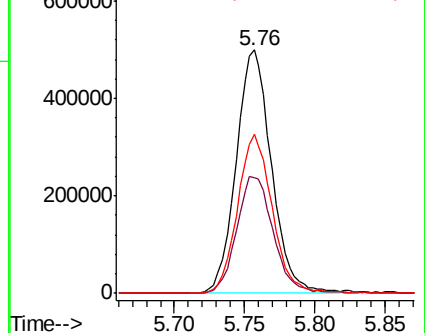
130 64.8 31.2 93.6



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



#3

Chlorodifluoromethane

Concen: 0.054 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.02 min

Lab File: VL033600.D

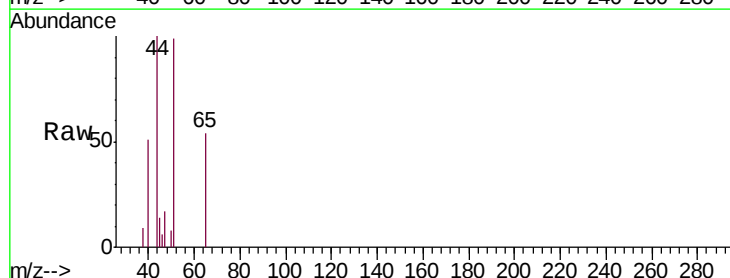
Acq: 17 Apr 2019 13:41

Tgt Ion: 51 Resp: 5489

Ion Ratio Lower Upper

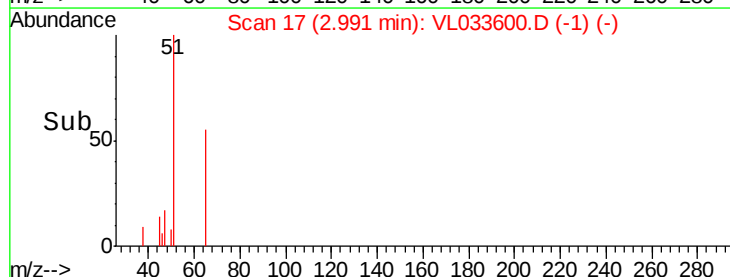
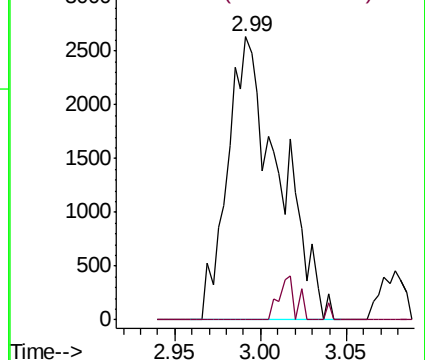
51 100

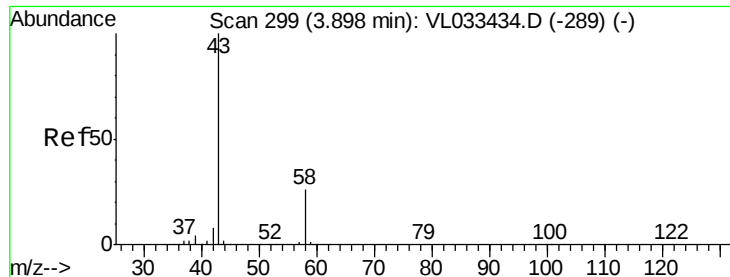
67 5.1 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#15

Acetone

Concen: 0.346 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.02 min

Lab File: VL033600.D

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MSVOA_L

ClientSampleId :

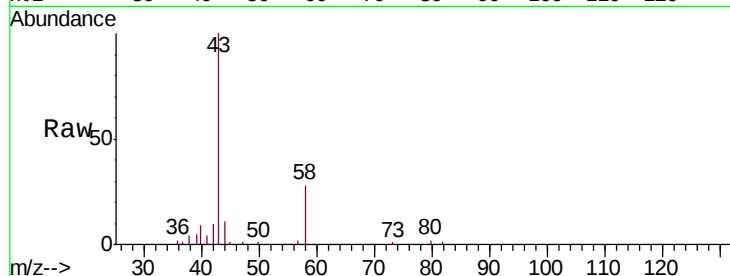
VL0417ABL01

Tgt Ion: 43 Resp: 36545

Ion Ratio Lower Upper

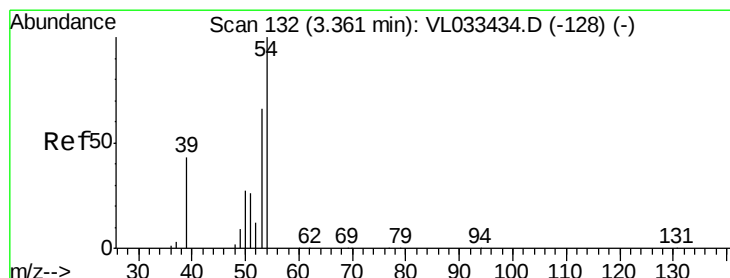
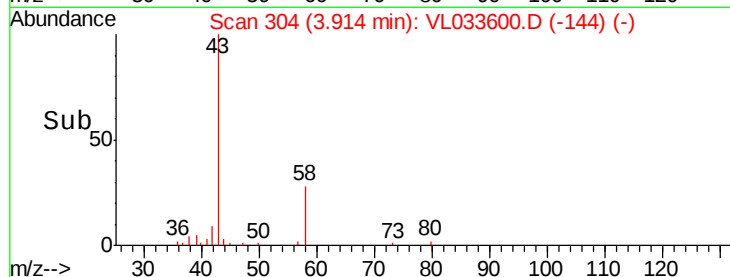
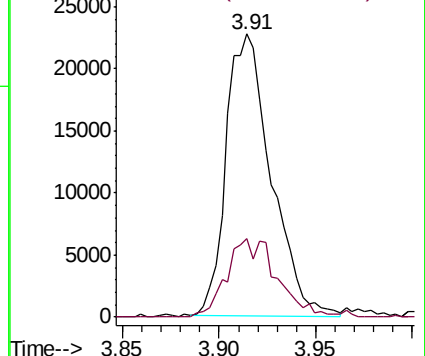
43 100

58 31.7 20.5 30.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.045 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.02 min

Lab File: VL033600.D

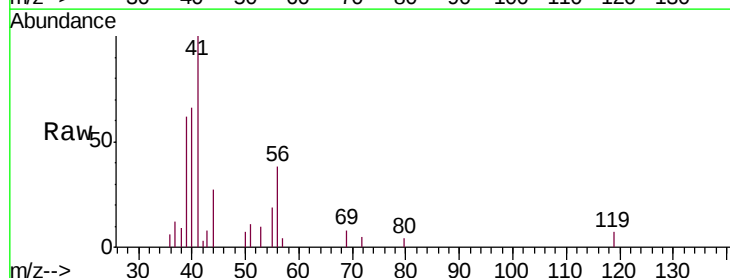
Acq: 17 Apr 2019 13:41

Tgt Ion: 39 Resp: 1875

Ion Ratio Lower Upper

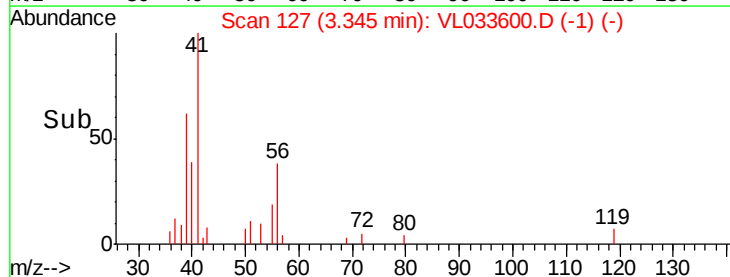
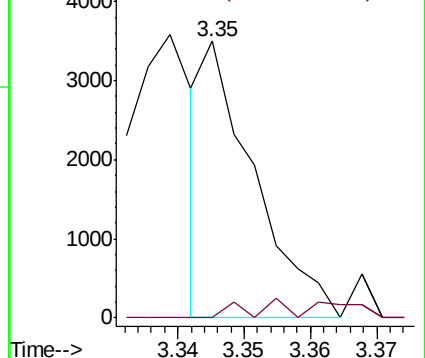
39 100

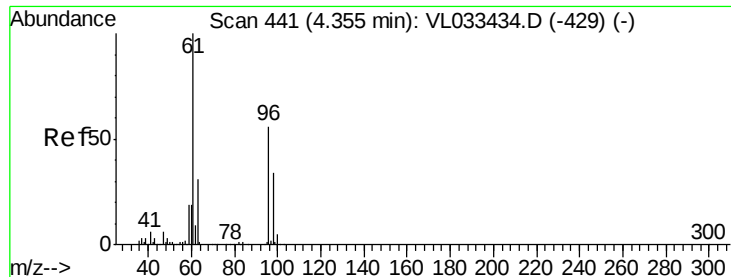
54 10.2 69.4 104.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.073 ppbv

RT: 4.38 min Scan# 450

Delta R.T. 0.03 min

Lab File: VL033600.D

Acq: 17 Apr 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

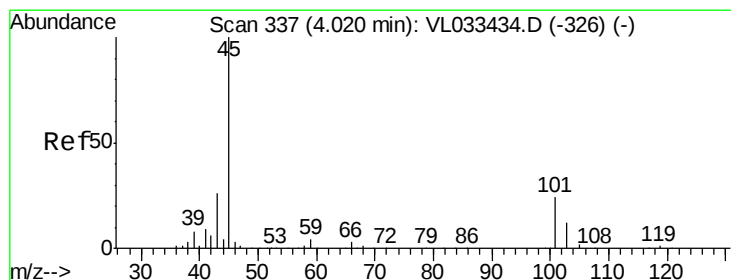
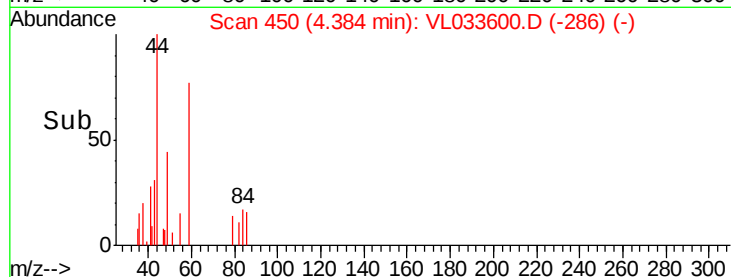
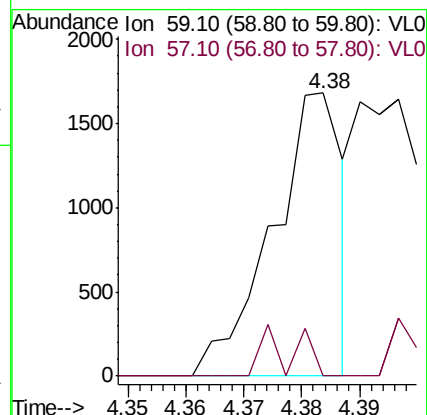
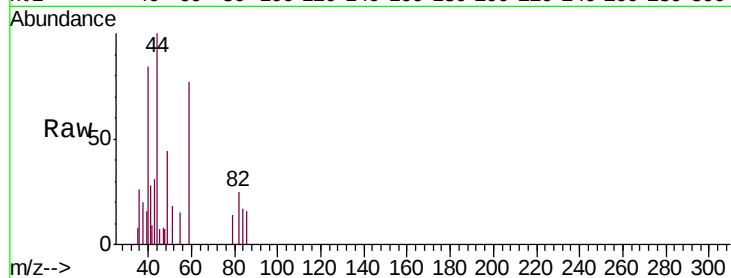
VL0417ABL01

Tgt Ion: 59 Resp: 1414

Ion Ratio Lower Upper

59 100

57 8.1 7.8 11.8



#19

Isopropyl Alcohol

Concen: 0.030 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.03 min

Lab File: VL033600.D

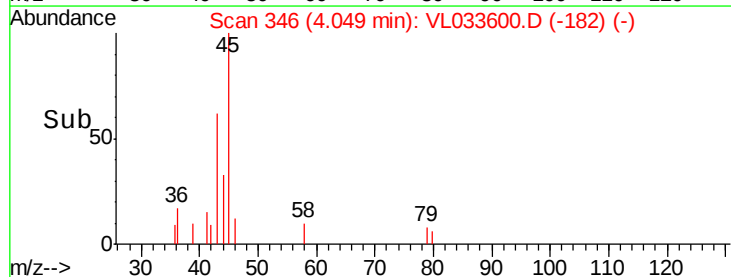
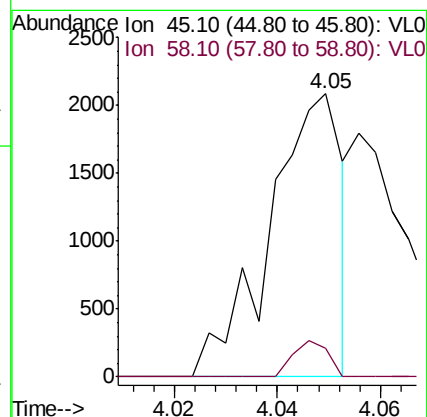
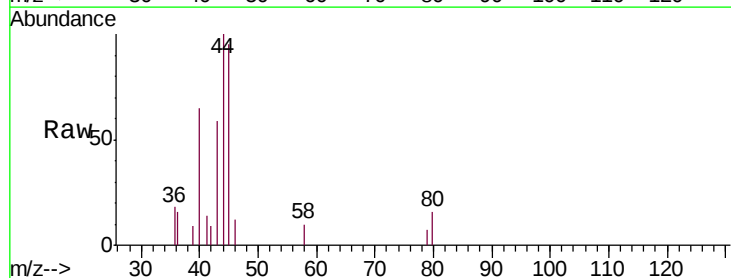
Acq: 17 Apr 2019 13:41

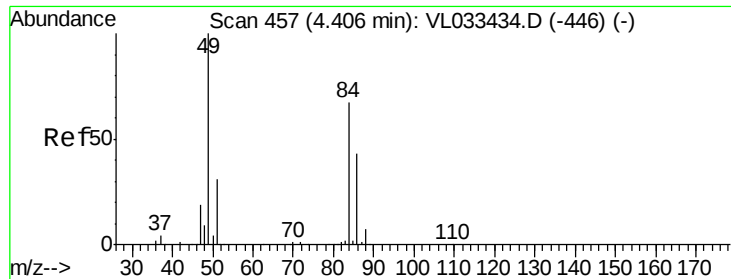
Tgt Ion: 45 Resp: 2029

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

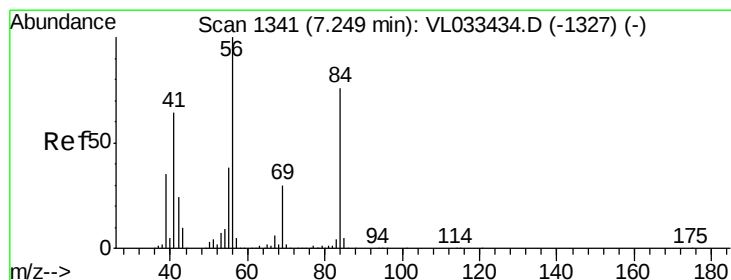
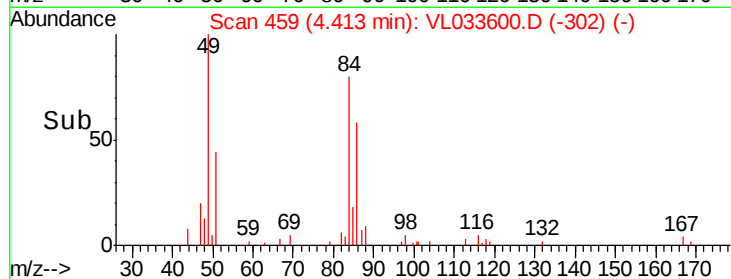
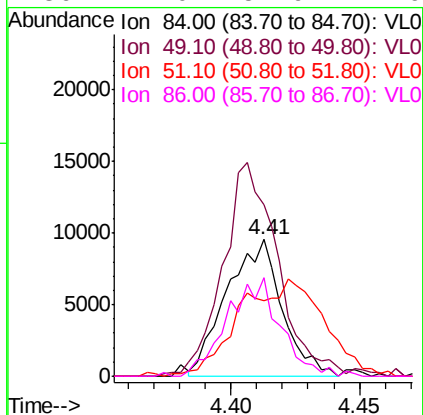
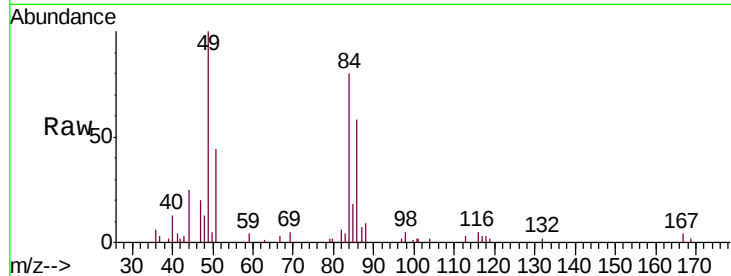




#20
Methylene Chloride
Concen: 0.320 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033600.D
Acq: 17 Apr 2019 13:41

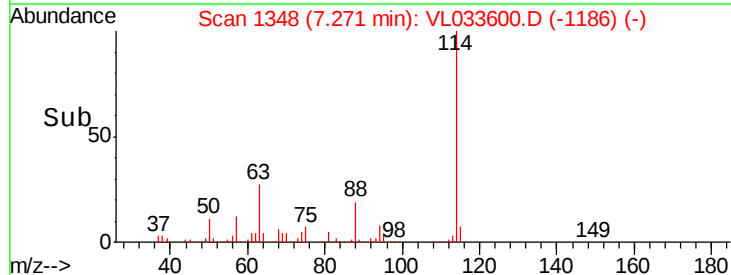
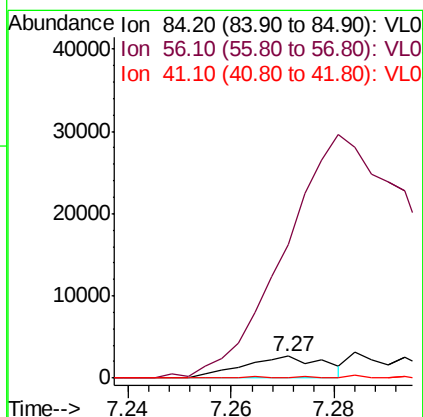
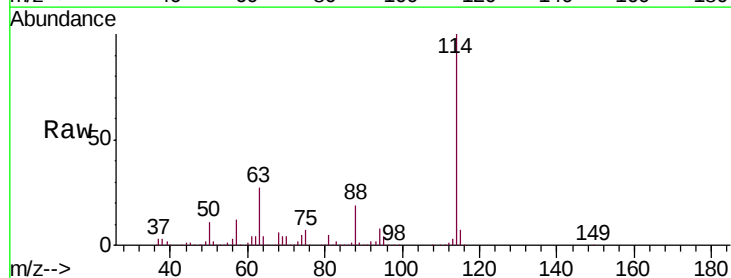
Instrument :
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VL0417ABL01

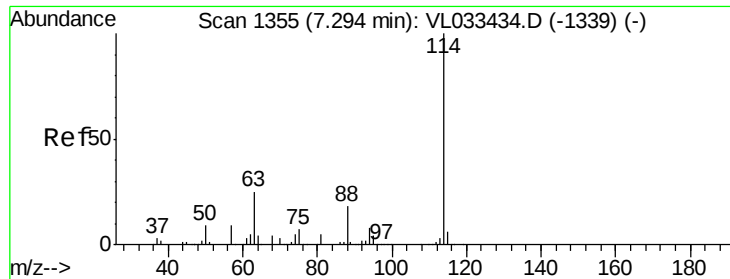
Tgt Ion: 84 Resp: 14342
Ion Ratio Lower Upper
84 100
49 118.6 120.0 180.0#
51 50.8 36.7 55.1
86 72.0 51.9 77.9



#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL033600.D
Acq: 17 Apr 2019 13:41

Tgt Ion: 84 Resp: 2920
Ion Ratio Lower Upper
84 100
56 0.0 109.7 164.5#
41 4.5 68.2 102.2#

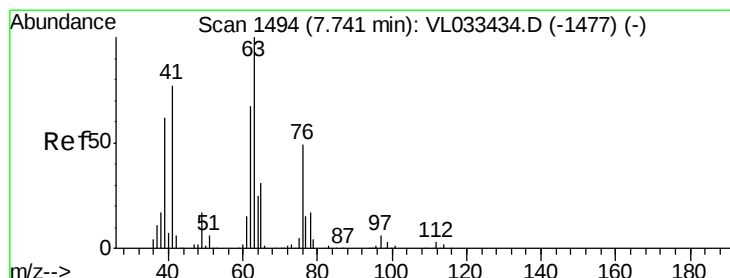
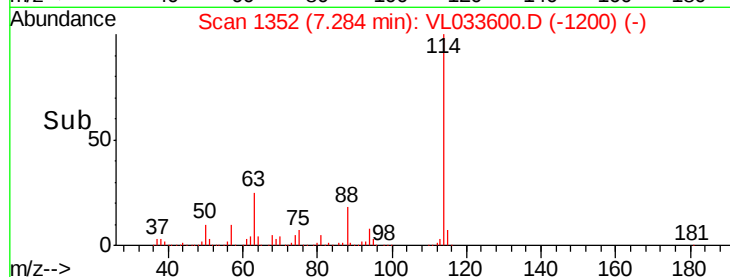
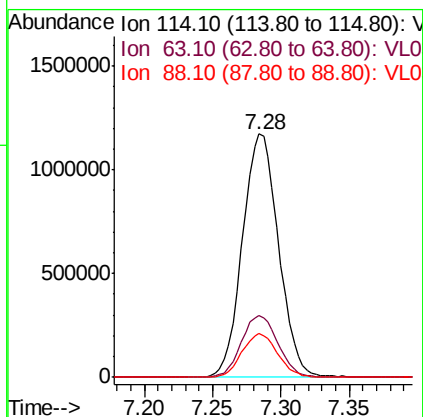
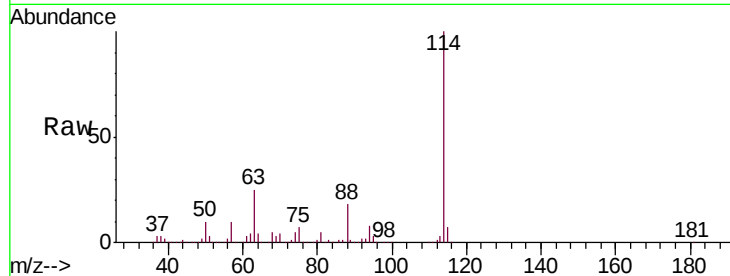




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033600.D
 Acq: 17 Apr 2019 13:41

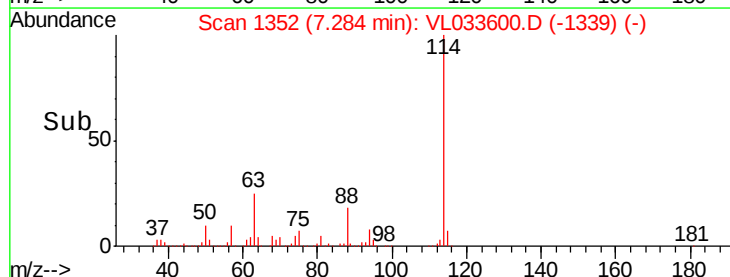
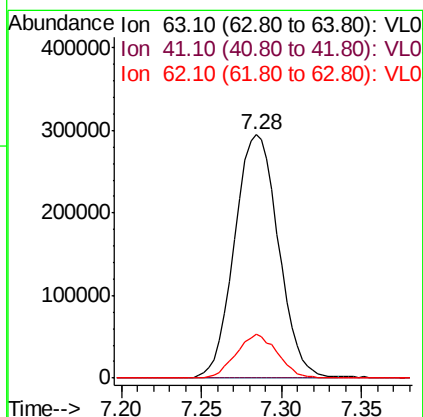
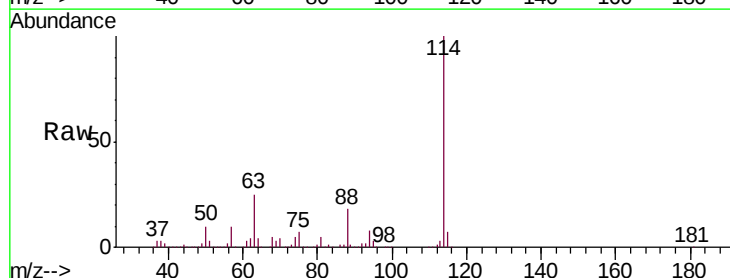
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABL01

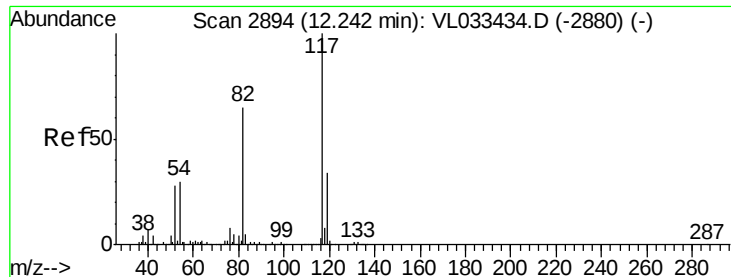
Tgt Ion: 114 Resp: 2154426
 Ion Ratio Lower Upper
 114 100
 63 25.8 21.5 32.3
 88 17.8 14.5 21.7



#39
 1,2-Dichloropropane
 Concen: 7.809 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033600.D
 Acq: 17 Apr 2019 13:41

Tgt Ion: 63 Resp: 552948
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.2 91.8#
 62 17.8 54.0 81.0#

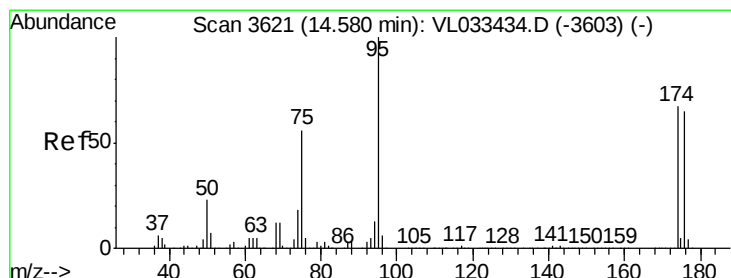
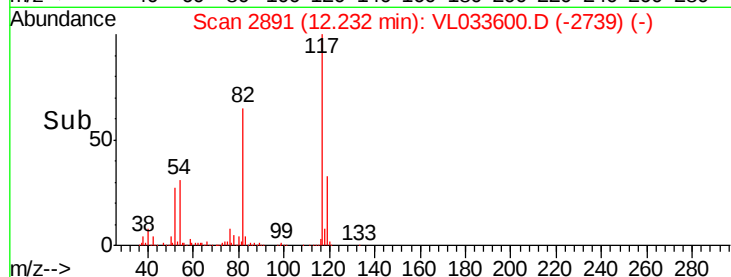
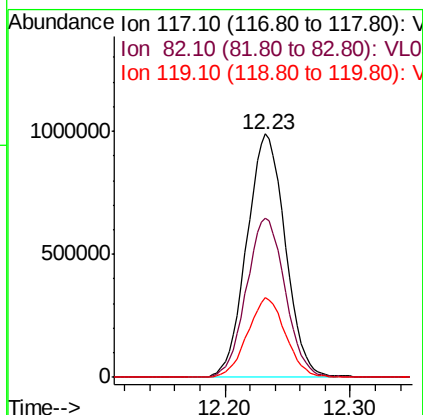
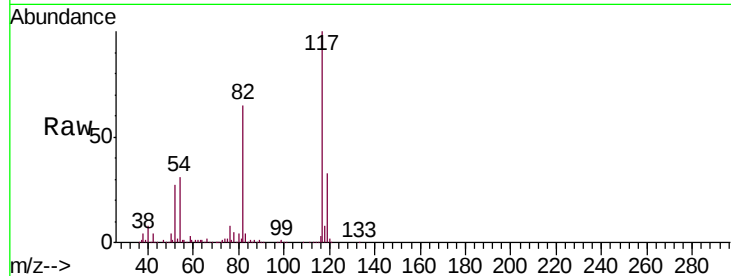




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033600.D
Acq: 17 Apr 2019 13:41

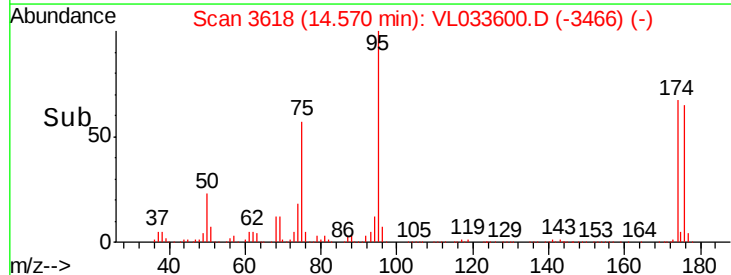
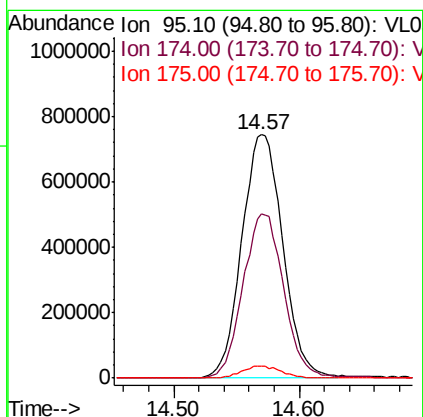
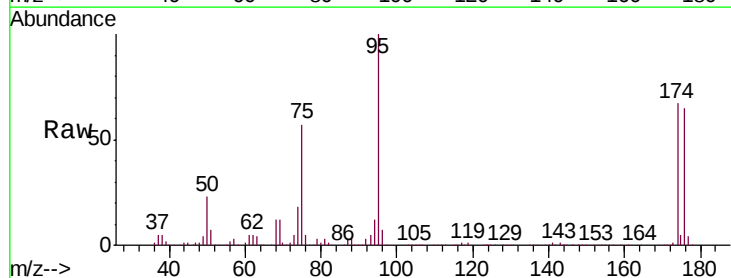
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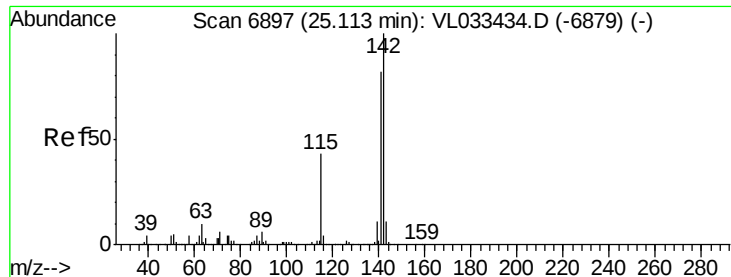
Tgt Ion: 117 Resp: 2110697
Ion Ratio Lower Upper
117 100
82 66.2 51.5 77.3
119 32.4 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.223 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033600.D
Acq: 17 Apr 2019 13:41

Tgt Ion: 95 Resp: 1691667
Ion Ratio Lower Upper
95 100
174 67.7 52.9 79.3
175 4.8 3.8 5.6





#80

Naphthalene, 2-methyl-

Concen: 0.093 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL033600.D

Acq: 17 Apr 2019 13:41

Instrument :

MSVOA_L

ClientSampleId :

VL0417ABL01

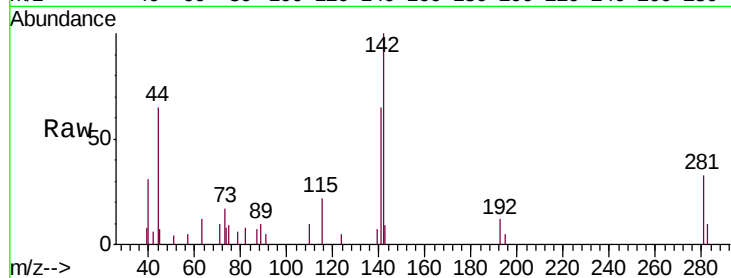
Tgt Ion:142 Resp: 7475

Ion Ratio Lower Upper

142 100

141 89.9 66.6 99.8

115 48.7 34.4 51.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

