

Data File : VL033088.D
Acq On : 16 Jan 2019 11:10
Operator : SY/AP
Sample : VL0116ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABL01

Quant Time: Jan 17 01:51:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1049410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2610139	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2517518	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1834747	9.51	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

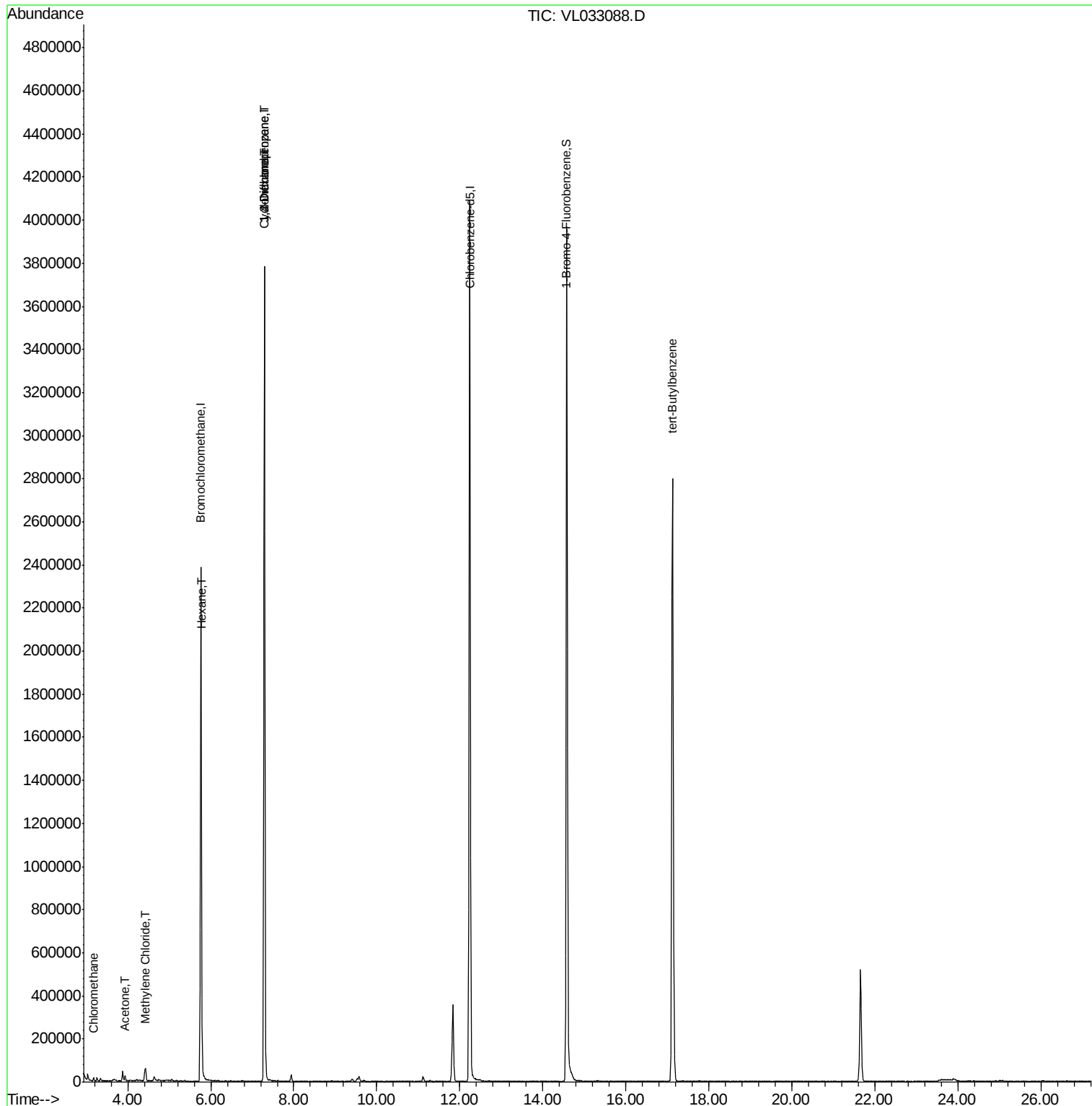
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	3791	0.056	ppbv #	69
15) Acetone	3.93	43	23723	0.163	ppbv #	87
20) Methylene Chloride	4.42	84	15039	0.248	ppbv #	80
26) Hexane	5.78	57	3619	0.031	ppbv #	1
30) Cyclohexane	7.28	84	5129	0.060	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	646053	8.043	ppbv #	23
65) tert-Butylbenzene	17.12	119	28943	0.080	ppbv #	17

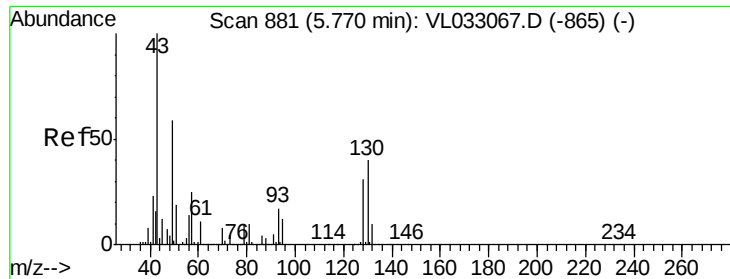
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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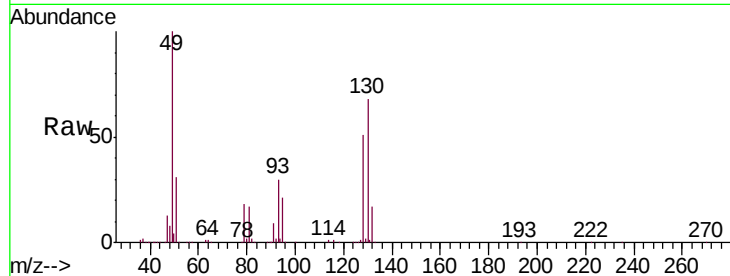
Tgt Ion: 49 Resp: 1049410

Ion Ratio Lower Upper

49 100

128 52.8 26.2 78.5

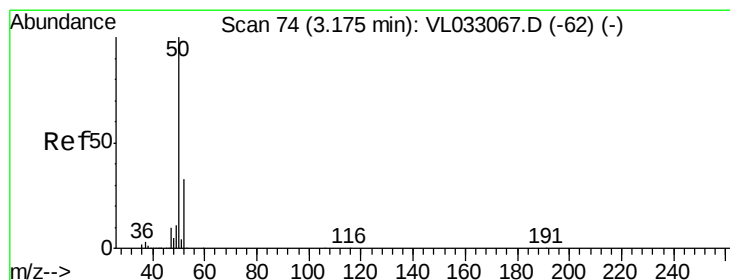
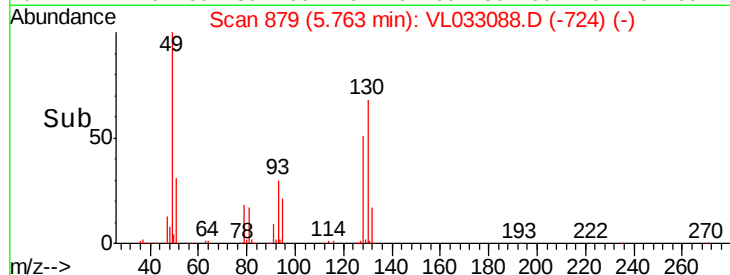
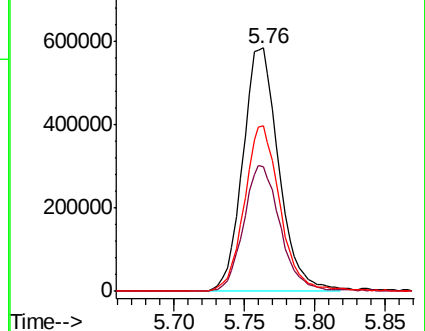
130 67.9 33.6 100.6



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



#4

Chloromethane

Concen: 0.056 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033088.D

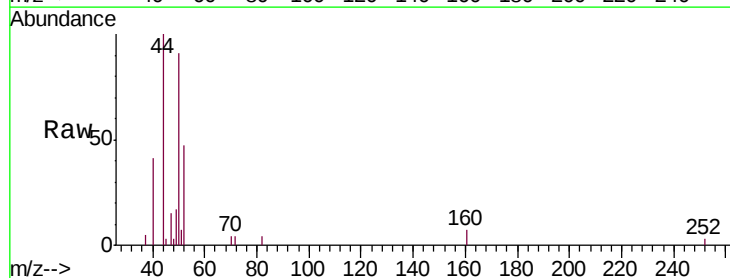
Acq: 16 Jan 2019 11:10

Tgt Ion: 50 Resp: 3791

Ion Ratio Lower Upper

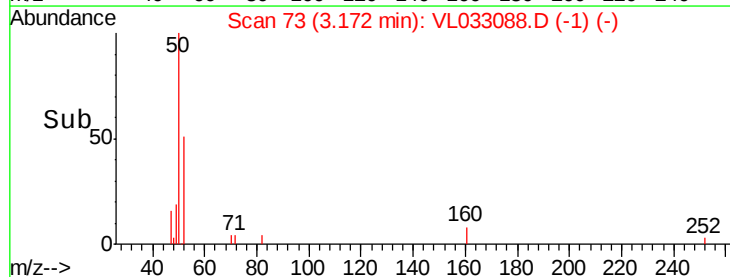
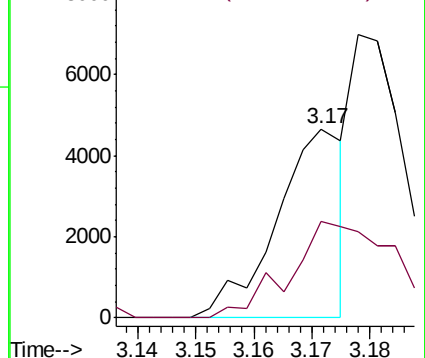
50 100

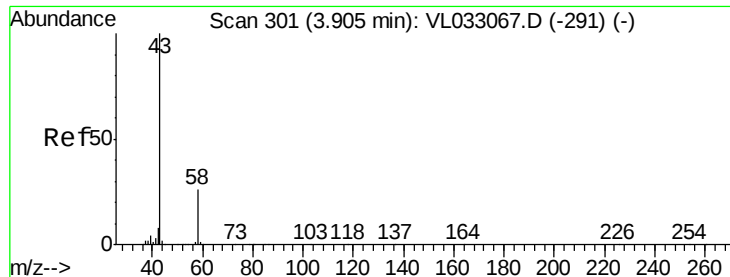
52 51.3 26.9 40.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#15

Acetone

Concen: 0.163 ppbv

RT: 3.93 min Scan# 310

Delta R.T. 0.03 min

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Instrument :

MSVOA_L

ClientSampleId :

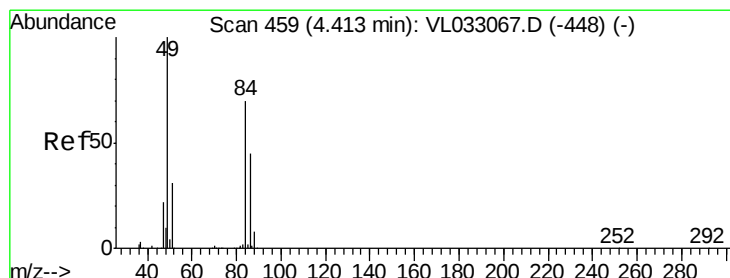
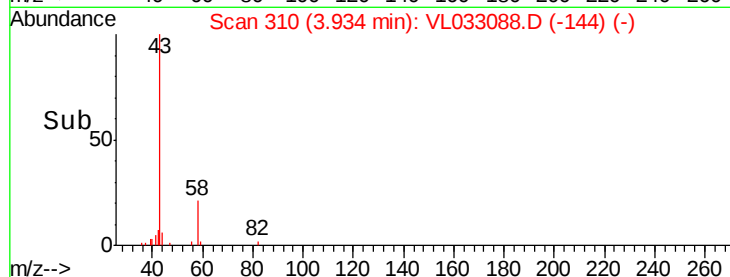
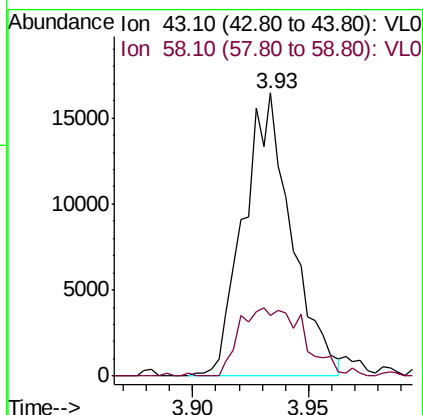
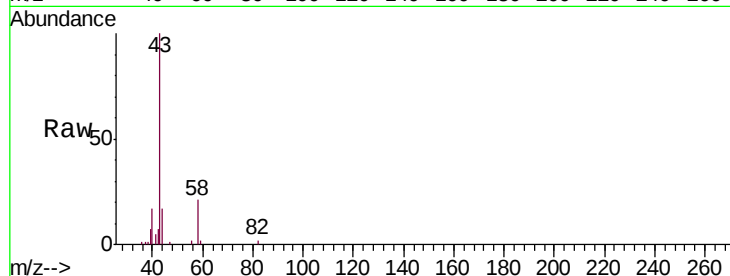
VL0116ABL01

Tgt Ion: 43 Resp: 23723

Ion Ratio Lower Upper

43 100

58 33.0 21.1 31.7#



#20

Methylene Chloride

Concen: 0.248 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.01 min

Lab File: VL033088.D

Acq: 16 Jan 2019 11:10

Tgt Ion: 84 Resp: 15039

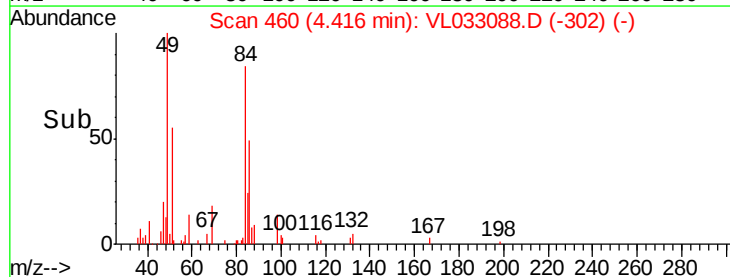
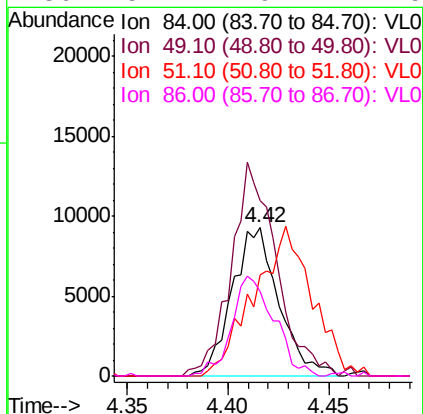
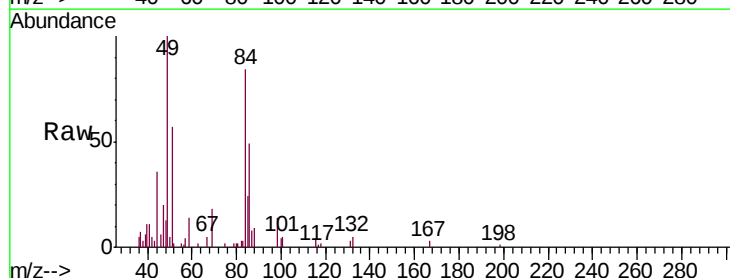
Ion Ratio Lower Upper

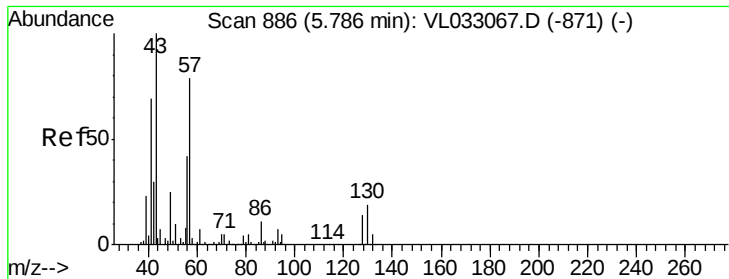
84 100

49 118.4 115.8 173.6

51 67.9 35.7 53.5#

86 57.4 49.7 74.5

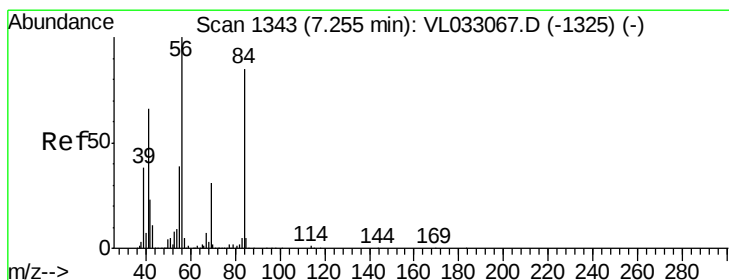
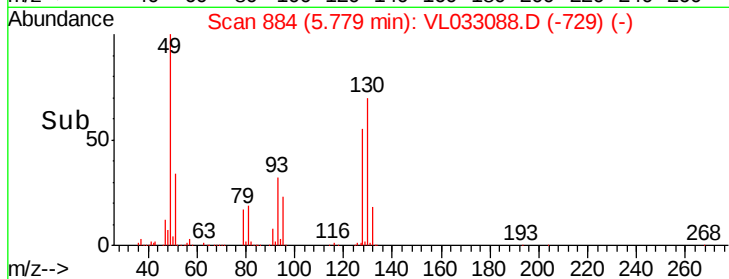
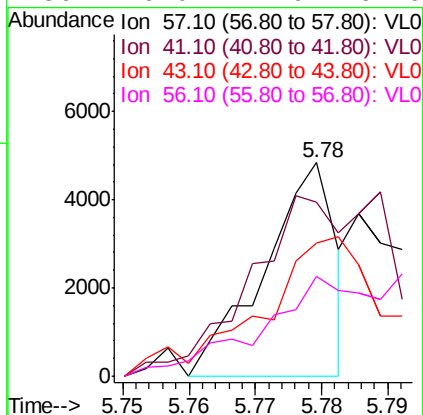
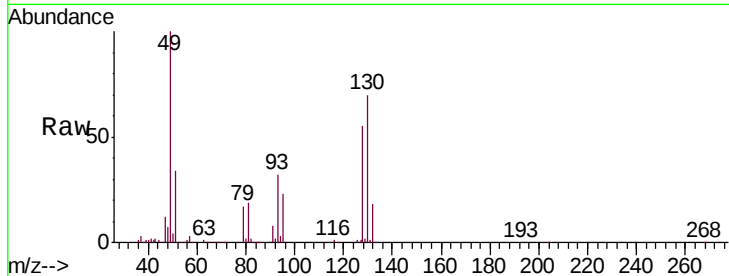




#26
Hexane
Concen: 0.031 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033088.D
Acq: 16 Jan 2019 11:10

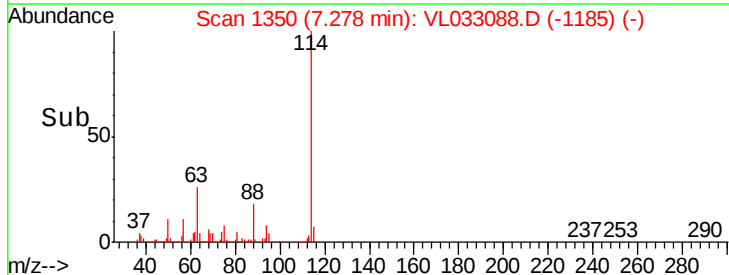
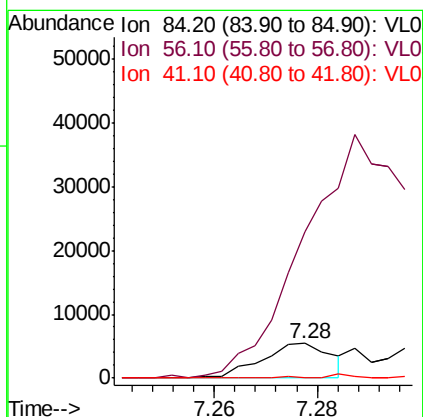
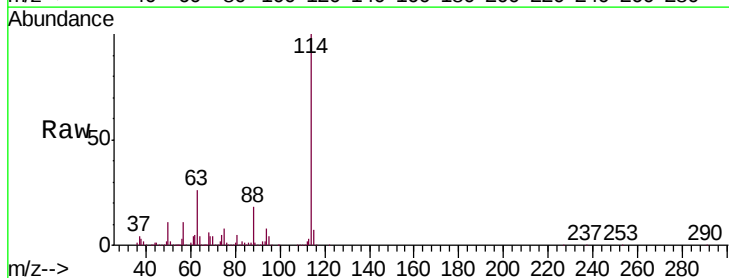
Instrument :
MSVOA_L
ClientSampleId :
VL0116ABL01

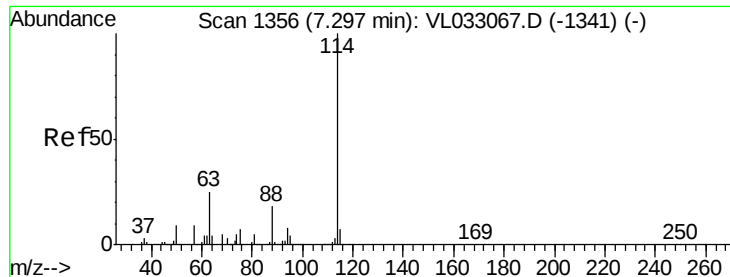
Tgt Ion: 57 Resp: 3619
Ion Ratio Lower Upper
57 100
41 0.0 70.8 106.2#
43 0.0 171.8 257.6#
56 0.0 41.9 62.9#



#30
Cyclohexane
Concen: 0.060 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033088.D
Acq: 16 Jan 2019 11:10

Tgt Ion: 84 Resp: 5129
Ion Ratio Lower Upper
84 100
56 0.0 101.8 152.6#
41 3.8 63.2 94.8#

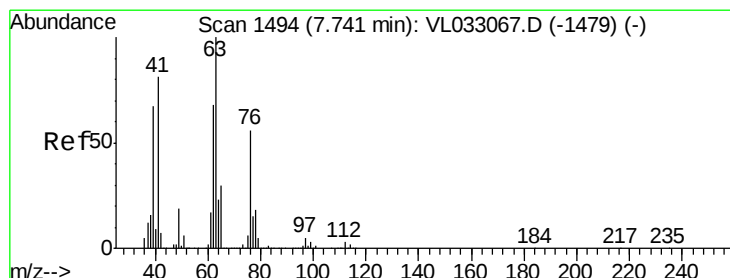
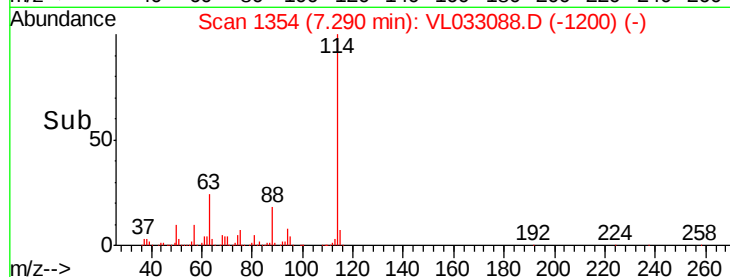
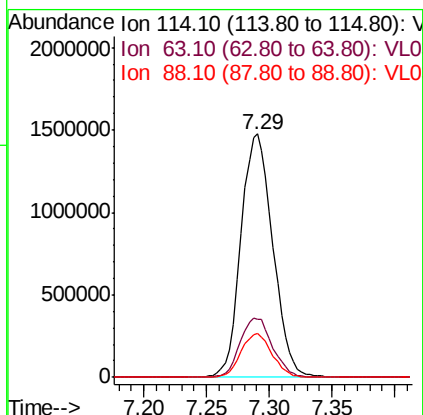
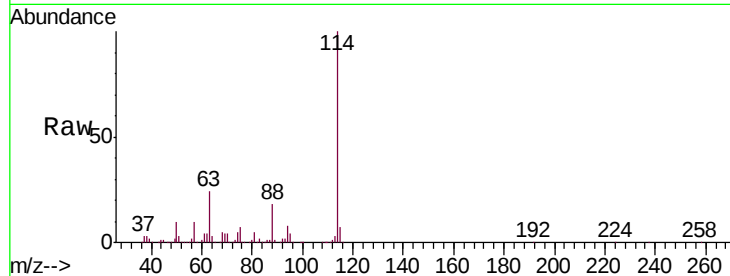




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033088.D
 Acq: 16 Jan 2019 11:10

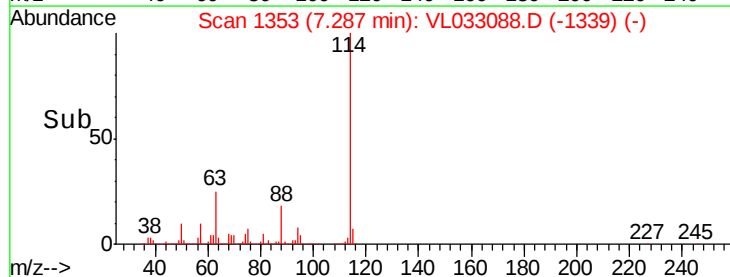
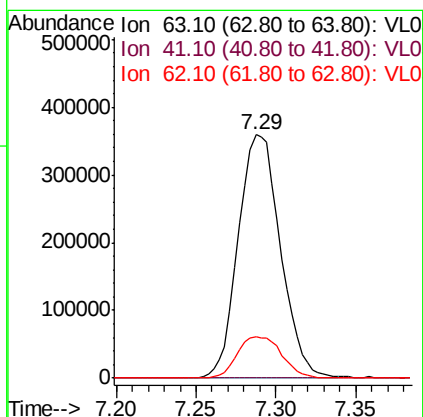
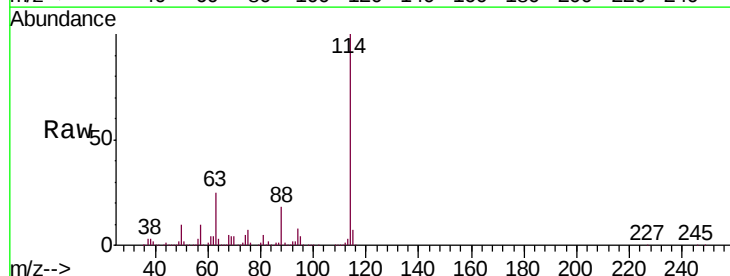
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 MSVOA_L
 ClientSampleId :
 VL0116ABL01

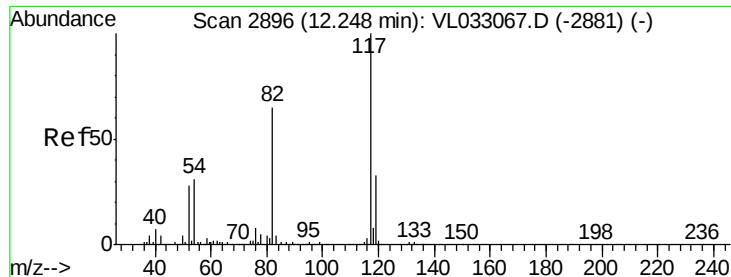
Tgt Ion: 114 Resp: 2610139
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.1 30.1
 88 17.7 14.0 21.0



#39
 1,2-Dichloropropane
 Concen: 8.043 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.46 min
 Lab File: VL033088.D
 Acq: 16 Jan 2019 11:10

Tgt Ion: 63 Resp: 646053
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.9 92.9#
 62 17.2 55.8 83.6#

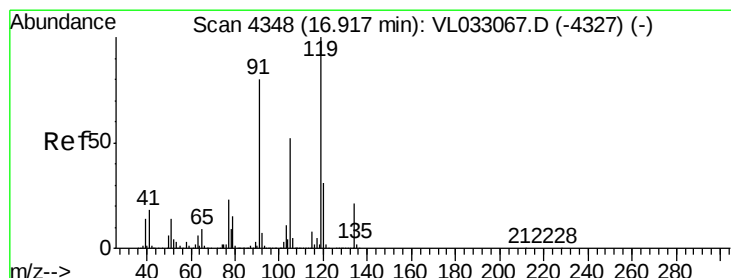
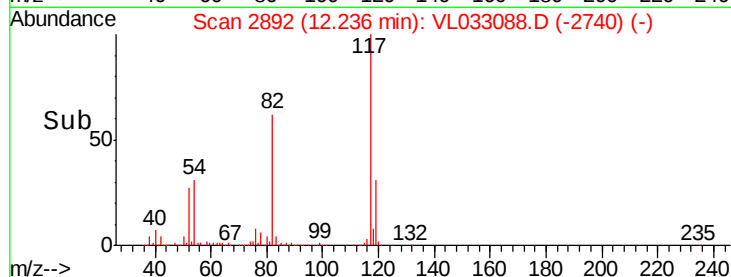
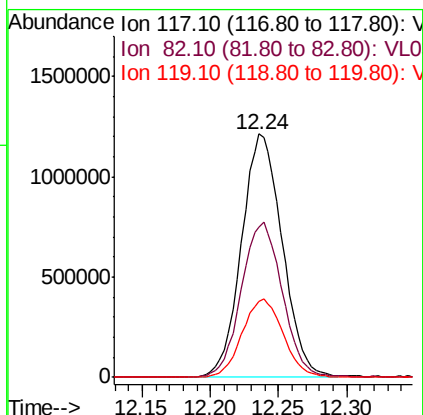
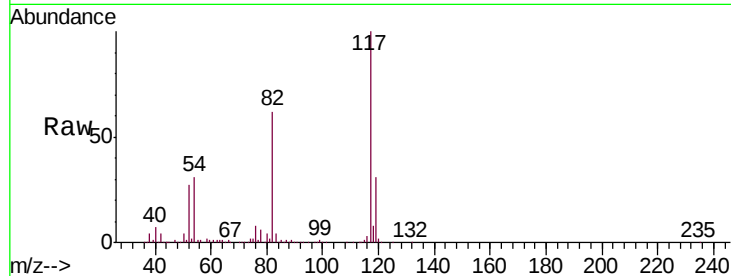




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033088.D
Acq: 16 Jan 2019 11:10

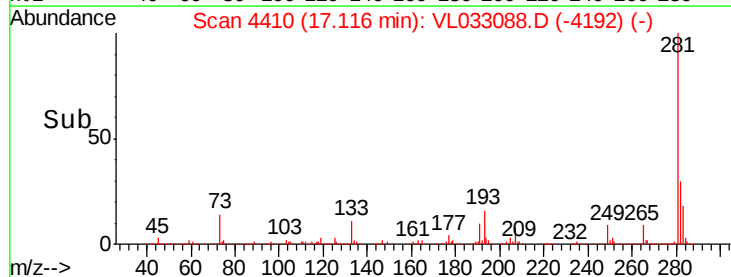
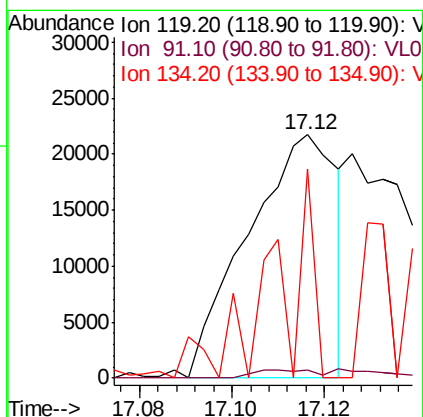
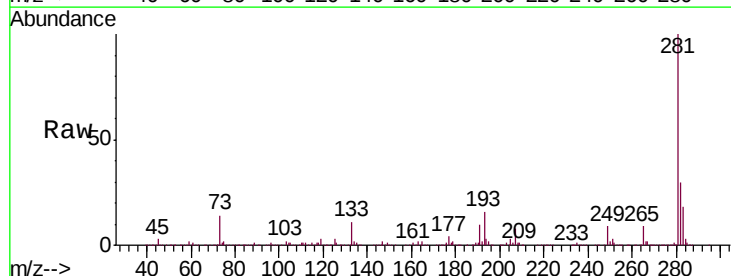
Instrument :
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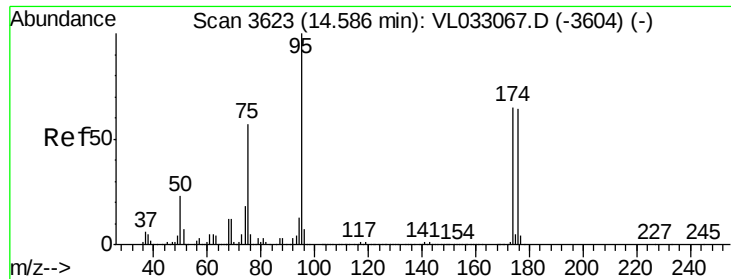
Tgt Ion:117 Resp: 2517518
Ion Ratio Lower Upper
117 100
82 65.0 48.9 73.3
119 32.6 24.6 37.0



#65
tert-Butylbenzene
Concen: 0.080 ppbv
RT: 17.12 min Scan# 4410
Delta R.T. 0.20 min
Lab File: VL033088.D
Acq: 16 Jan 2019 11:10

Tgt Ion:119 Resp: 28943
Ion Ratio Lower Upper
119 100
91 0.0 64.6 97.0#
134 42.3 15.8 23.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.507 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033088.D

Acq: 16 Jan 2019 11:10

Instrument :

MSVOA_L

ClientSampleId :

VL0116ABL01

Tgt Ion: 95 Resp: 1834747

Ion Ratio Lower Upper

95 100

174 65.4 51.9 77.9

175 4.8 3.9 5.9

