

Data File : VL033725.D
Acq On : 20 May 2019 15:31
Operator : SY/AP
Sample : CAN 10731
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10731

Quant Time: May 21 01:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	826687	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1992408	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2309165	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1881780	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

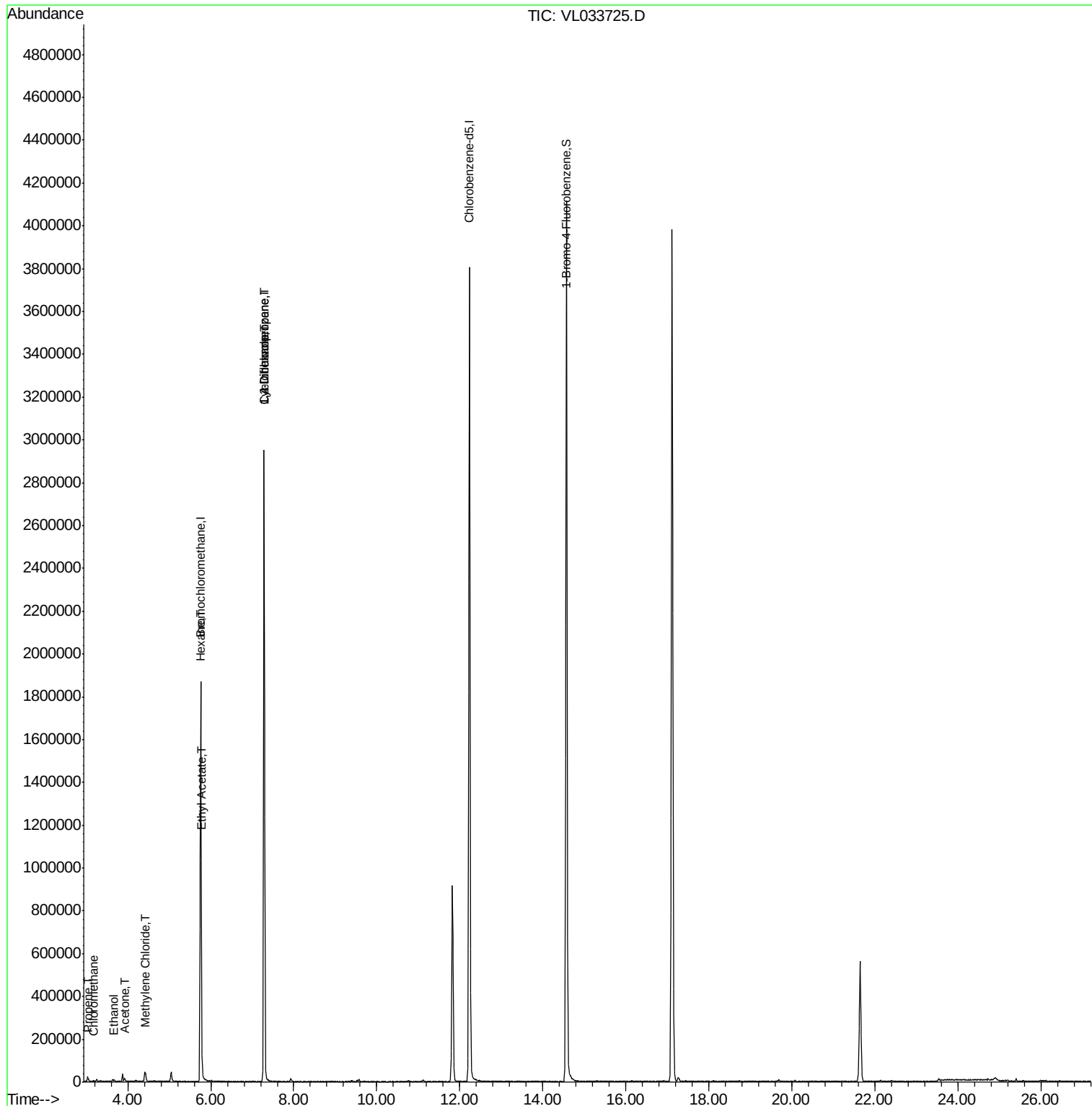
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.17	50	956	0.018	ppbv #	38
9) Propene	3.04	41	1465	0.036	ppbv	93
13) Ethanol	3.66	45	911	0.070	ppbv #	1
15) Acetone	3.92	43	14857	0.130	ppbv #	89
20) Methylene Chloride	4.40	84	6717	0.152	ppbv #	91
25) Ethyl Acetate	5.78	43	2158	0.011	ppbv #	75
26) Hexane	5.77	57	4649	0.054	ppbv #	1
30) Cyclohexane	7.27	84	5061	0.069	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	529935	7.843	ppbv #	23

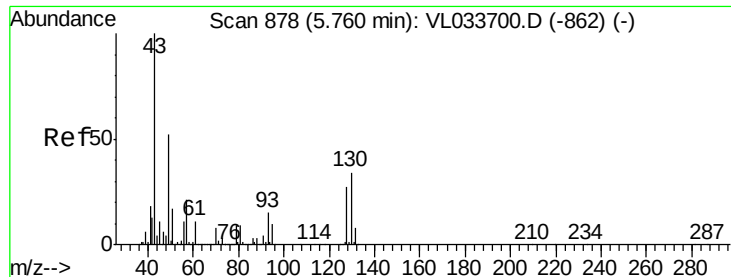
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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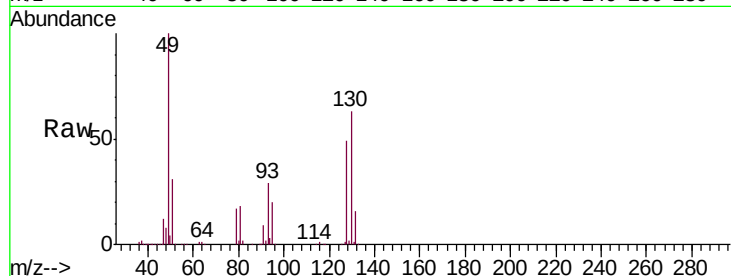
Tgt Ion: 49 Resp: 826687

Ion Ratio Lower Upper

49 100

128 49.8 25.2 75.6

130 65.3 32.5 97.5



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

5.76

400000

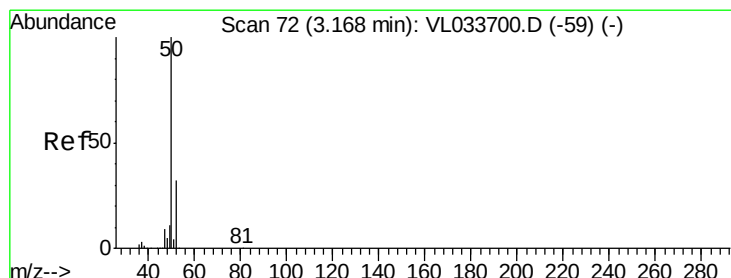
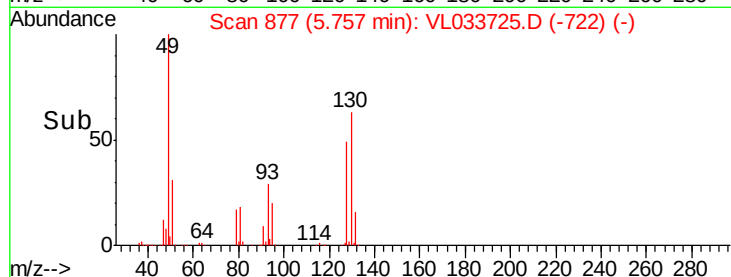
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.018 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033725.D

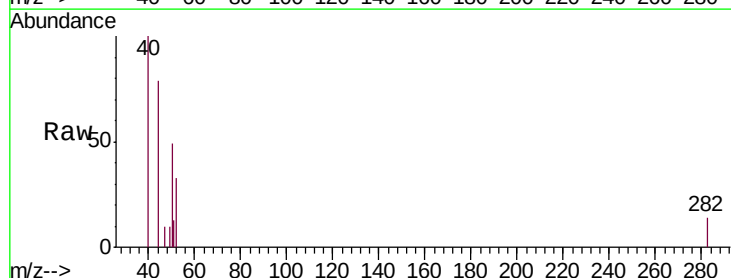
Acq: 20 May 2019 15:31

Tgt Ion: 50 Resp: 956

Ion Ratio Lower Upper

50 100

52 66.7 25.7 38.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

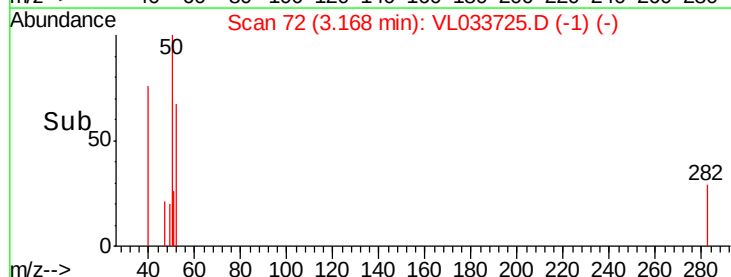
1500

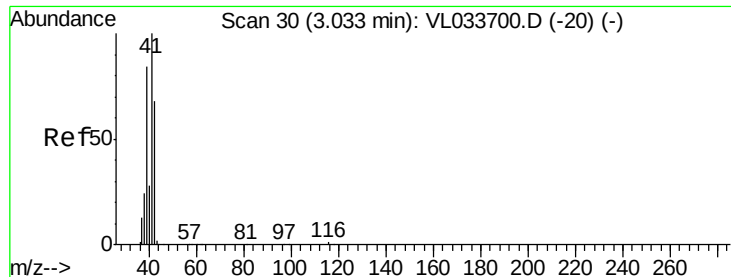
1000

500

0

Time-->





#9

Propene

Concen: 0.036 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033725.D

Acq: 20 May 2019 15:31

Instrument :

MSVOA_L

ClientSampleId :

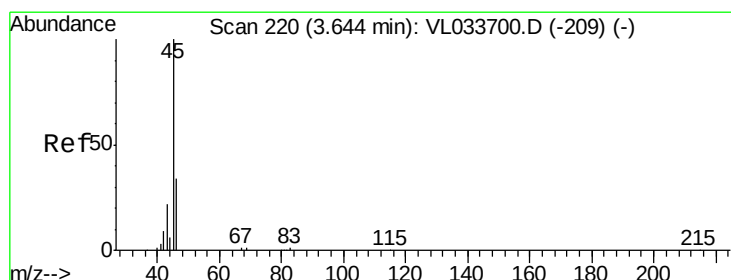
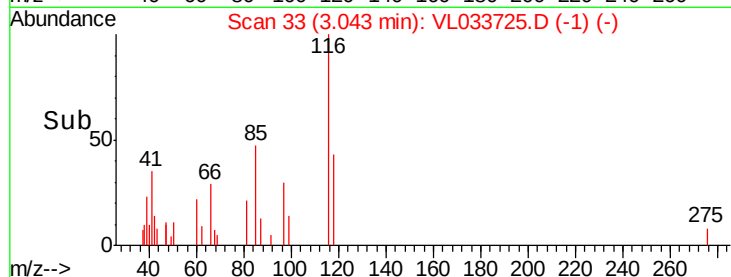
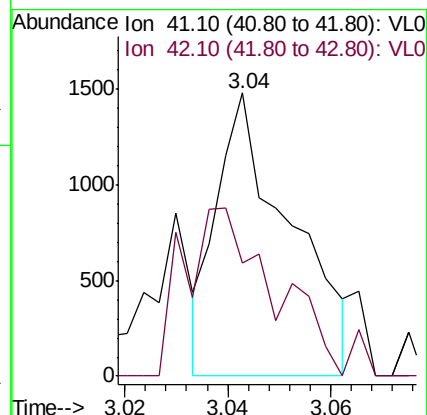
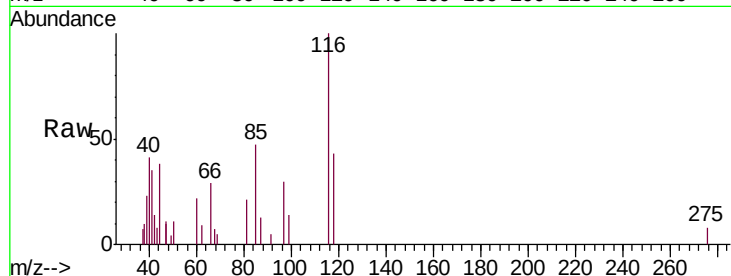
CAN 10731

Tgt Ion: 41 Resp: 1465

Ion Ratio Lower Upper

41 100

42 75.7 56.1 84.1



#13

Ethanol

Concen: 0.070 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

Lab File: VL033725.D

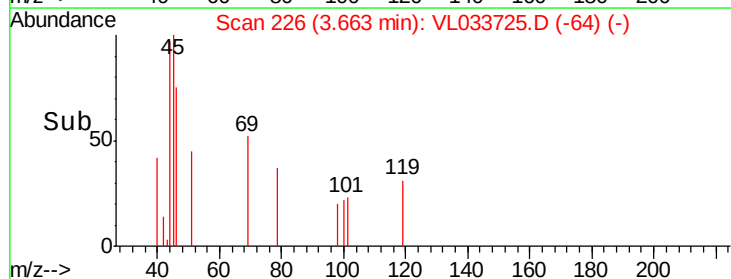
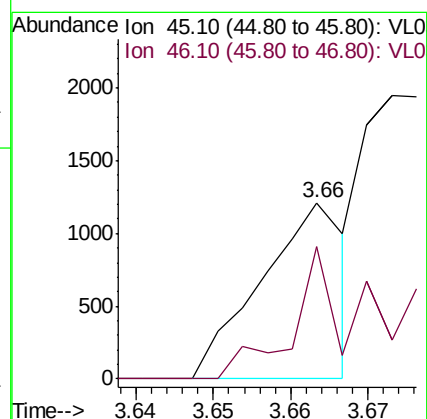
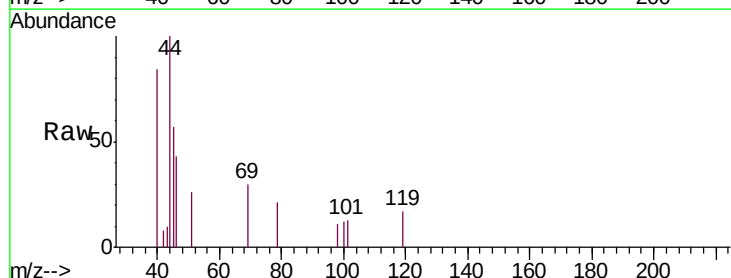
Acq: 20 May 2019 15:31

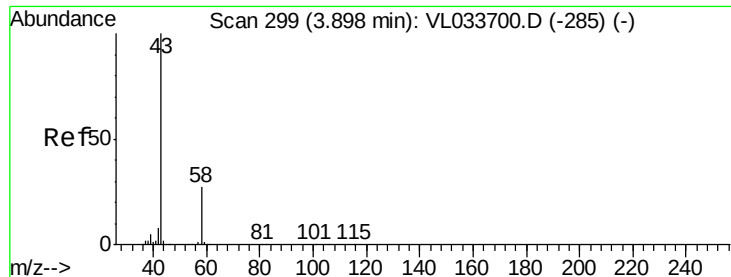
Tgt Ion: 45 Resp: 911

Ion Ratio Lower Upper

45 100

46 114.5 14.8 59.0#





#15

Acetone

Concen: 0.130 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.03 min

Lab File: VL033725.D

Acq: 20 May 2019 15:31

Instrument :

MSVOA_L

ClientSampleId :

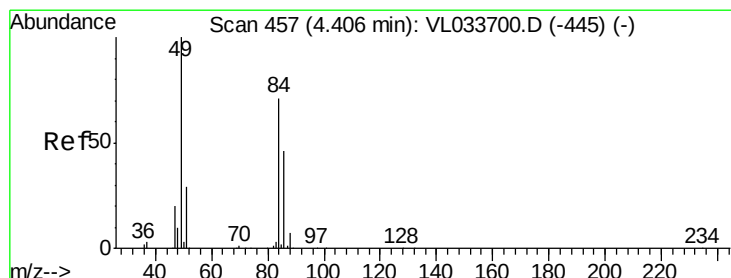
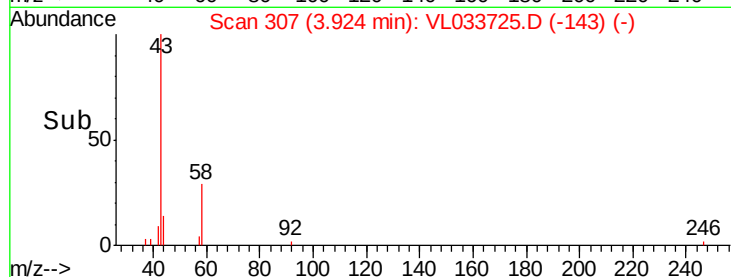
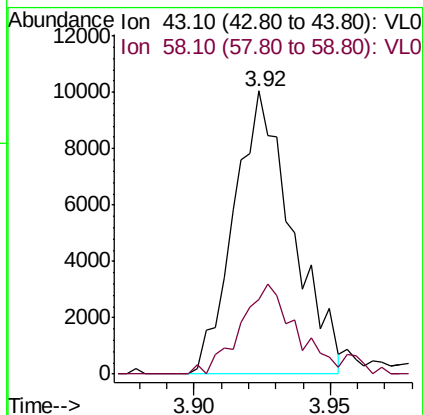
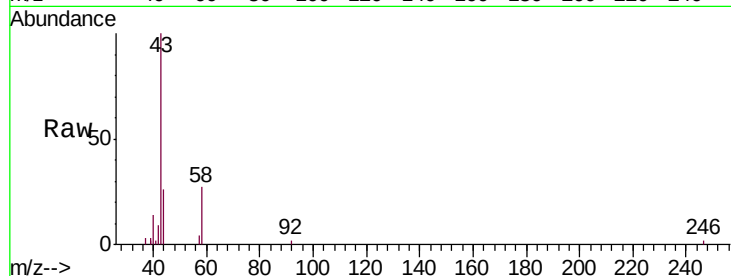
CAN 10731

Tgt Ion: 43 Resp: 14857

Ion Ratio Lower Upper

43 100

58 32.5 21.3 31.9#



#20

Methylene Chloride

Concen: 0.152 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033725.D

Acq: 20 May 2019 15:31

Tgt Ion: 84 Resp: 6717

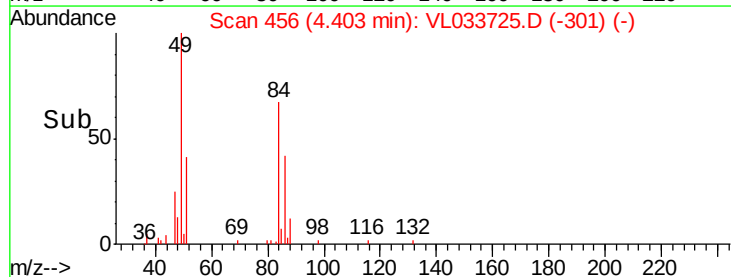
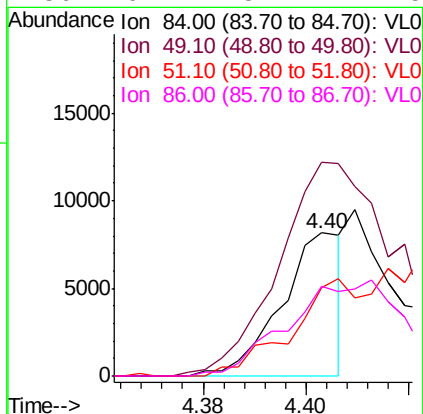
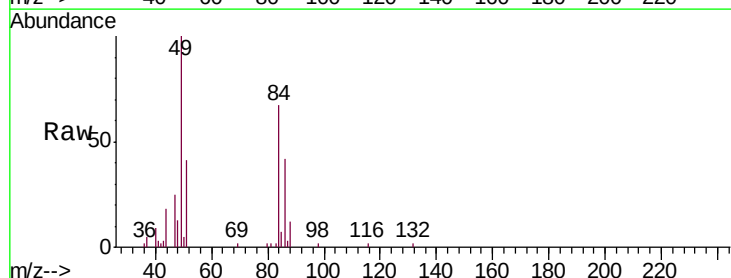
Ion Ratio Lower Upper

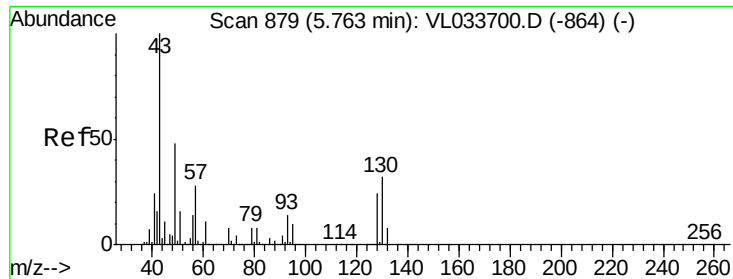
84 100

49 146.9 112.8 169.2

51 61.6 33.4 50.0#

86 62.4 51.7 77.5

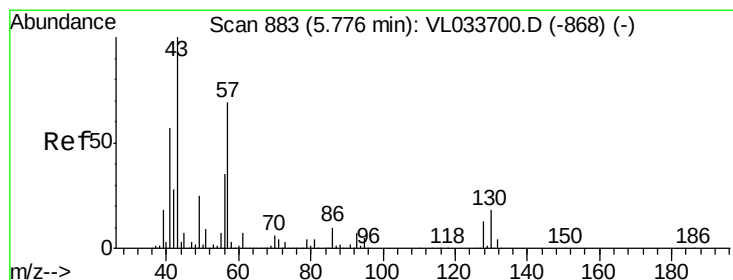
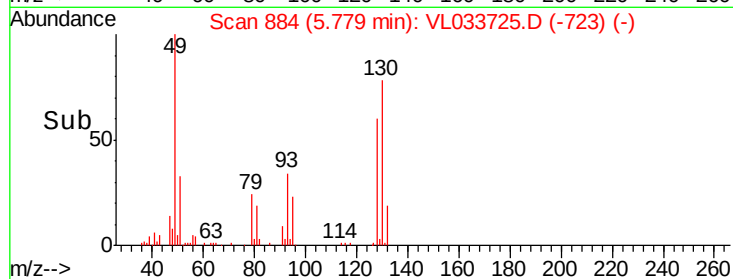
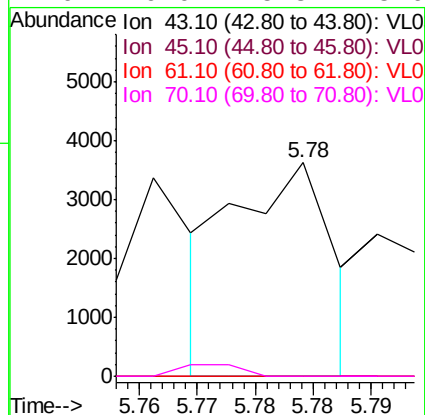
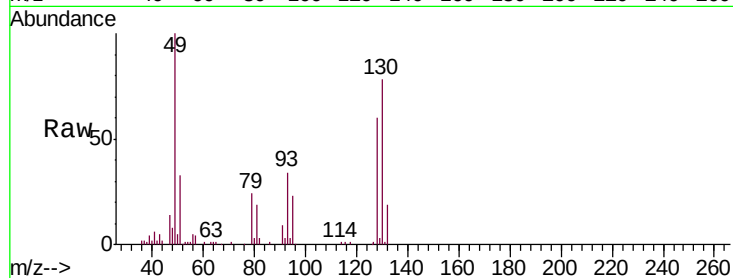




#25
Ethyl Acetate
Concen: 0.011 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.02 min
Lab File: VL033725.D
Acq: 20 May 2019 15:31

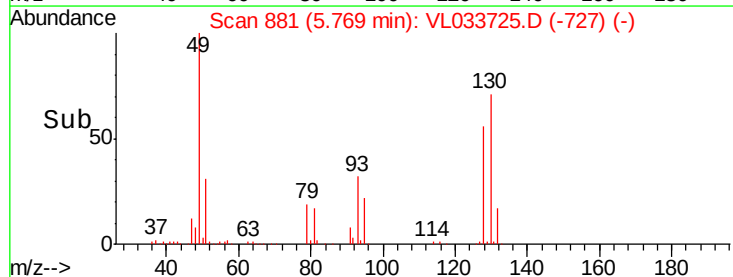
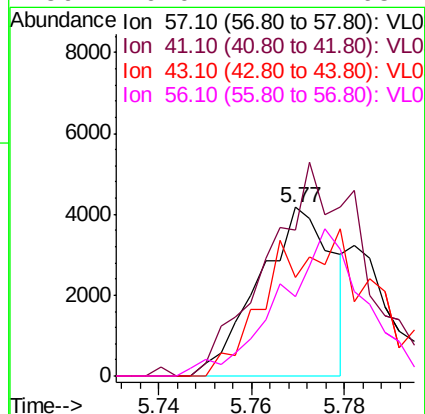
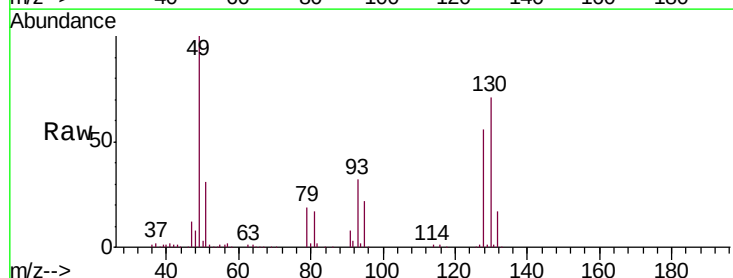
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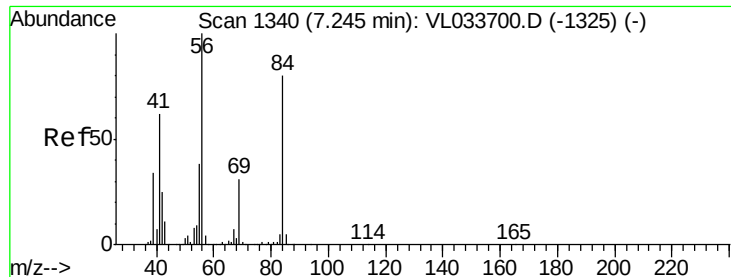
Tgt Ion:	43	Resp:	2158
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.054 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
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Tgt Ion:	57	Resp:	4649
Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.8	104.6#
43	0.0	181.8	272.6#
56	0.0	42.1	63.1#

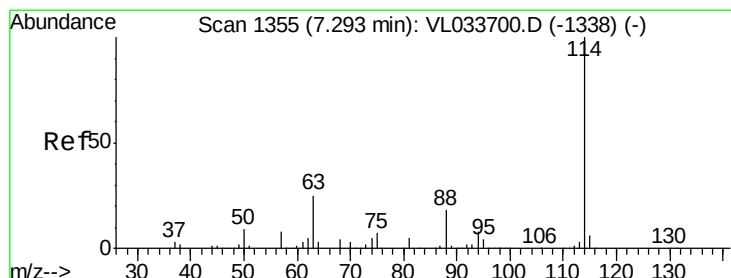
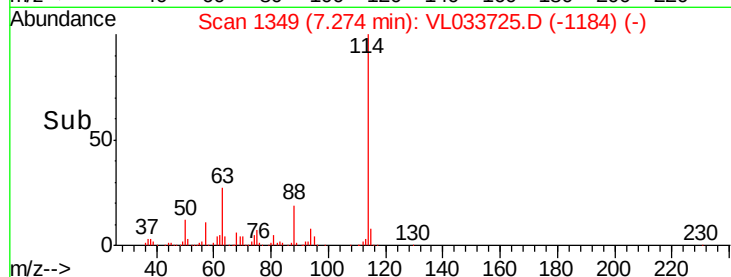
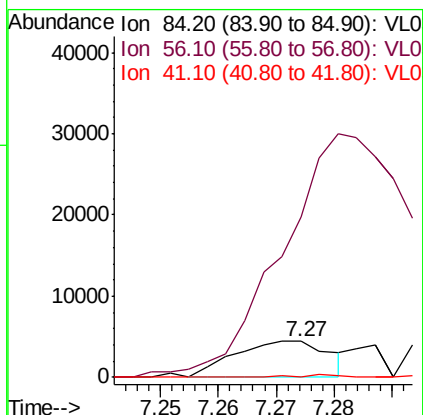
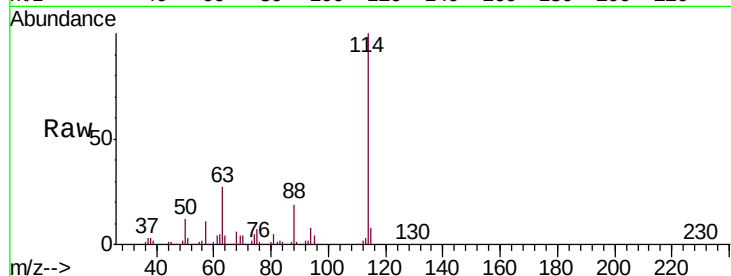




#30
Cyclohexane
Concen: 0.069 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. 0.03 min
Lab File: VL033725.D
Acq: 20 May 2019 15:31

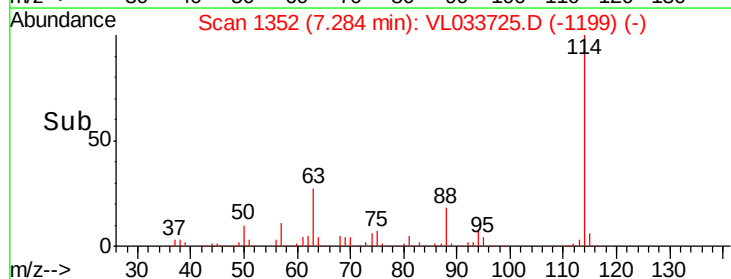
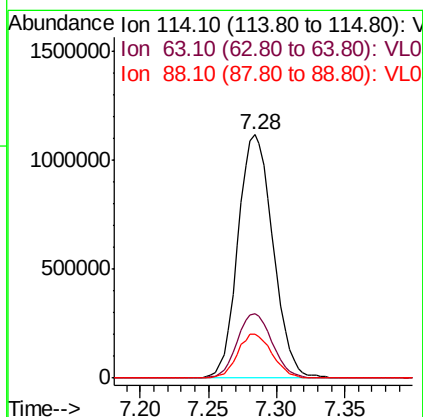
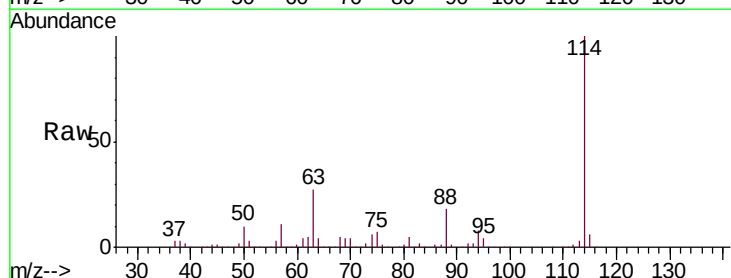
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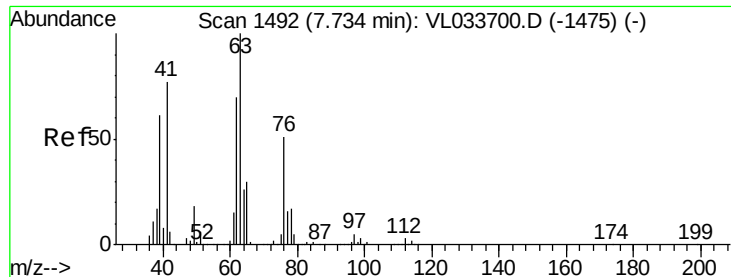
Tgt Ion: 84 Resp: 5061
Ion Ratio Lower Upper
84 100
56 1029.1 107.7 161.5#
41 4.0 66.0 99.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033725.D
Acq: 20 May 2019 15:31

Tgt Ion: 114 Resp: 1992408
Ion Ratio Lower Upper
114 100
63 26.7 20.9 31.3
88 17.9 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.843 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033725.D

Acq: 20 May 2019 15:31

Instrument :

MSVOA_L

ClientSampleId :

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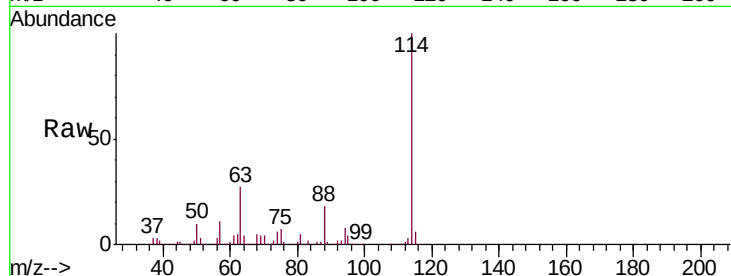
Tgt Ion: 63 Resp: 529935

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

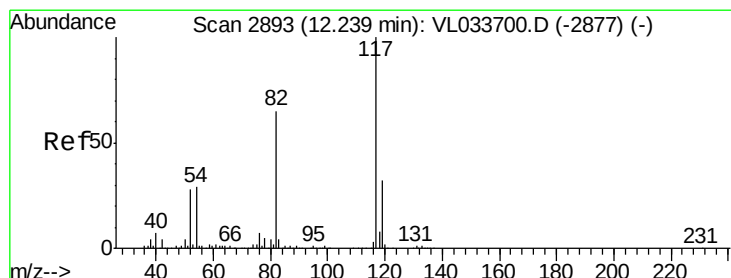
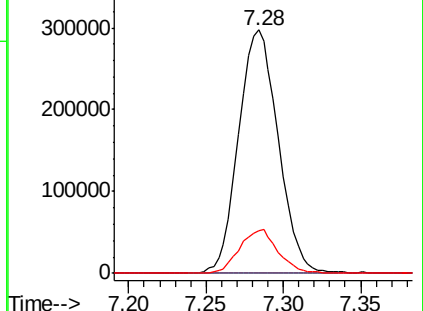
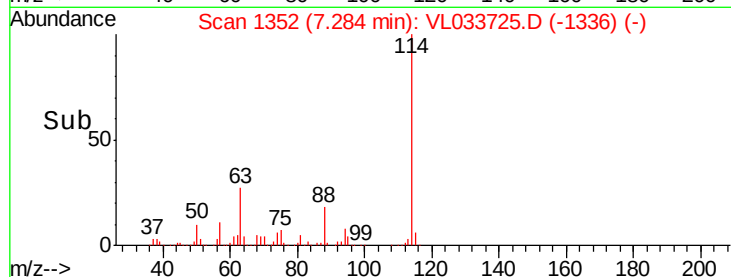
62 17.4 56.2 84.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033725.D

Acq: 20 May 2019 15:31

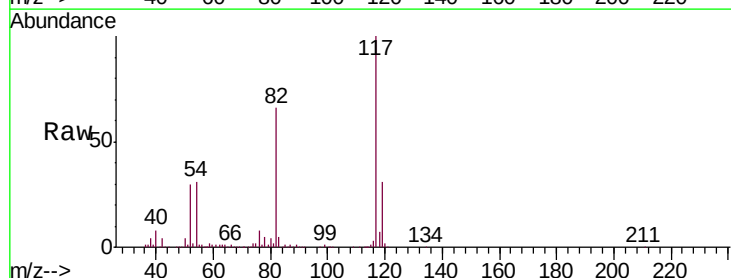
Tgt Ion: 117 Resp: 2309165

Ion Ratio Lower Upper

117 100

82 67.4 49.4 74.0

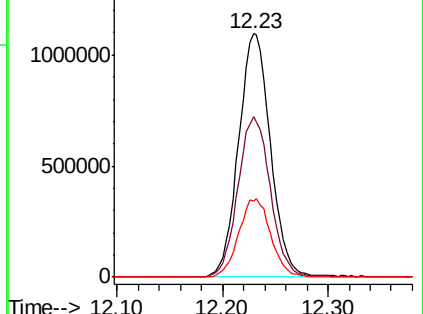
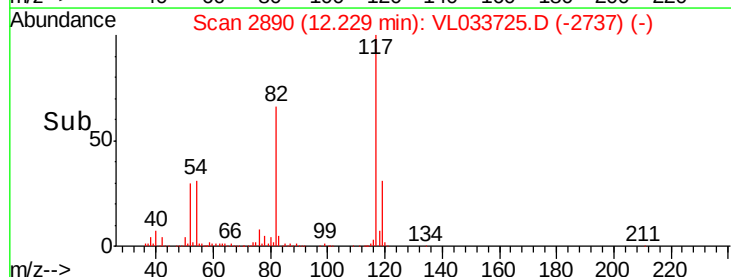
119 32.5 24.9 37.3

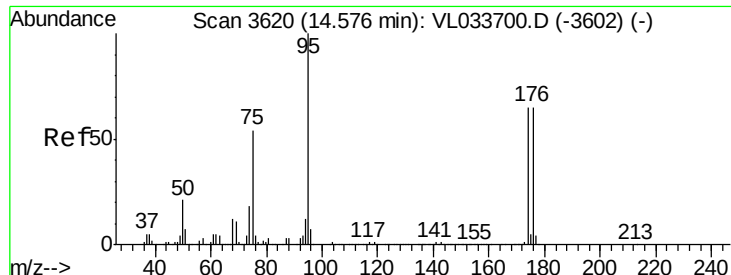


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.052 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

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Tgt Ion: 95 Resp: 1881780

Ion Ratio Lower Upper

95 100

174 65.9 53.9 80.9

175 4.9 3.8 5.8

