

Data File : VL033732.D
Acq On : 20 May 2019 20:15
Operator : SY/AP
Sample : CAN 10662
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10662

Quant Time: May 21 01:33:47 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	5.75	49	953718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2171767	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2249521	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1805585	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

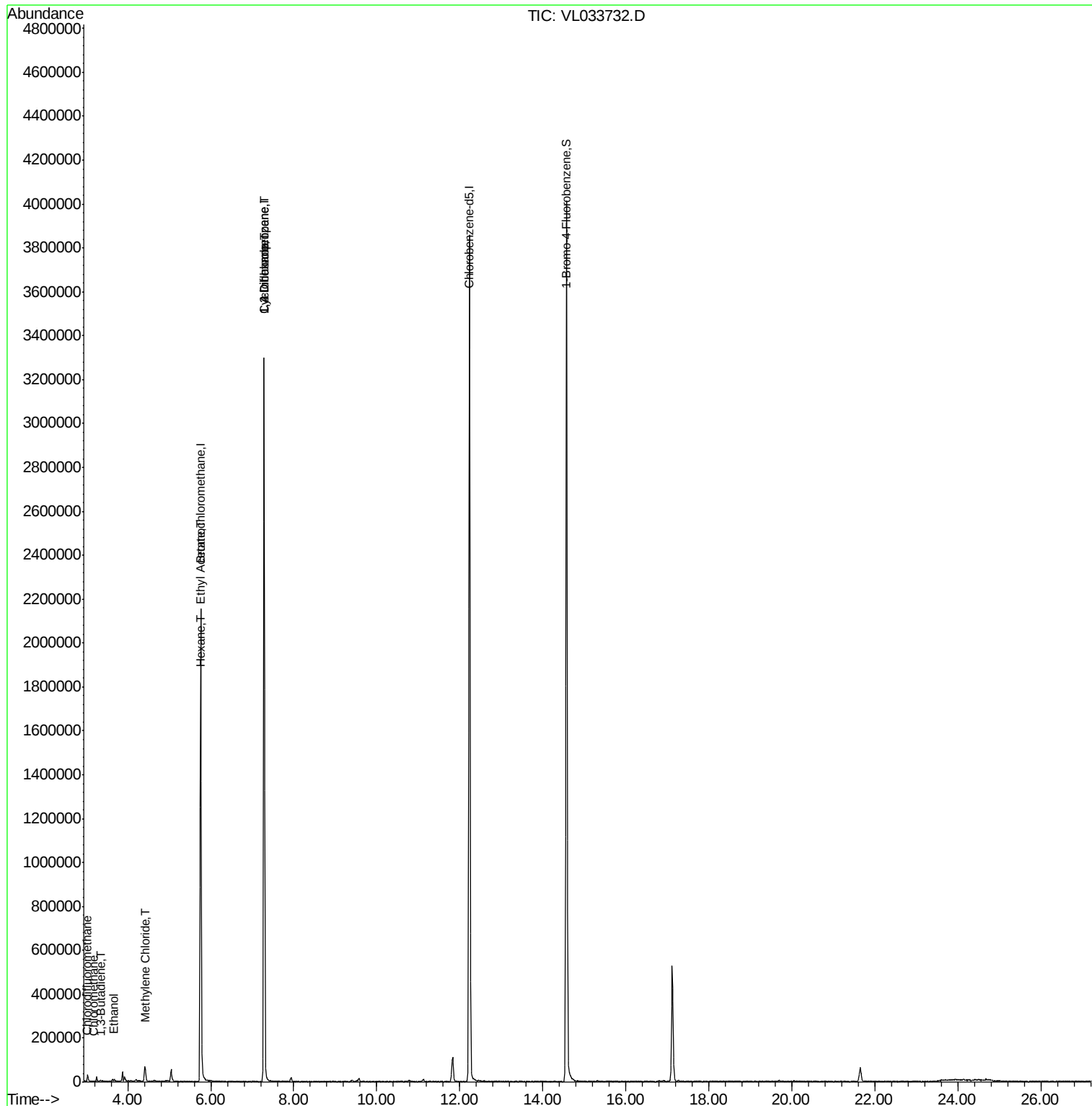
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	2180	0.020	ppbv #	75
4) Chloromethane	3.17	50	675	0.011	ppbv #	88
13) Ethanol	3.67	45	227	0.015	ppbv #	1
16) 1,3-Butadiene	3.34	39	751	0.014	ppbv #	21
20) Methylene Chloride	4.42	84	4576	0.090	ppbv	87
25) Ethyl Acetate	5.77	43	3403	0.015	ppbv #	82
26) Hexane	5.77	57	4692	0.047	ppbv #	21
30) Cyclohexane	7.28	84	9313	0.111	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	580069	7.876	ppbv #	23

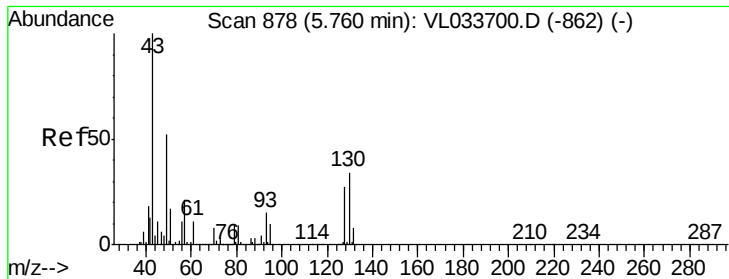
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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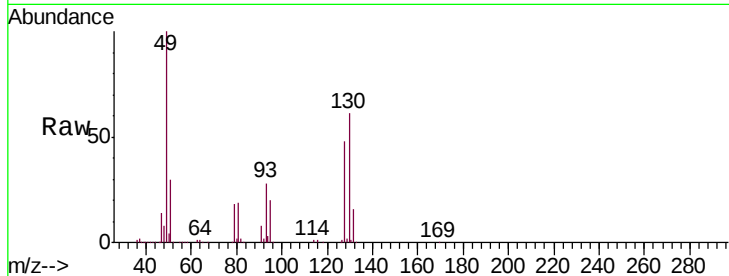
Tgt Ion: 49 Resp: 953718

Ion Ratio Lower Upper

49 100

128 49.9 25.2 75.6

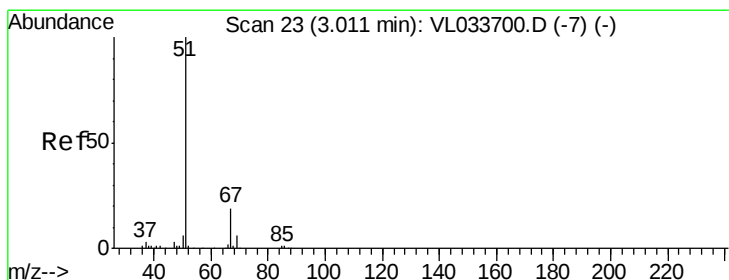
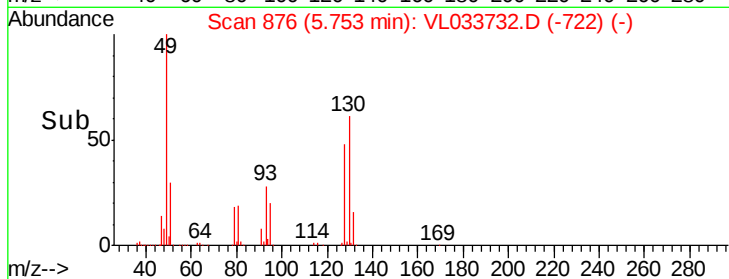
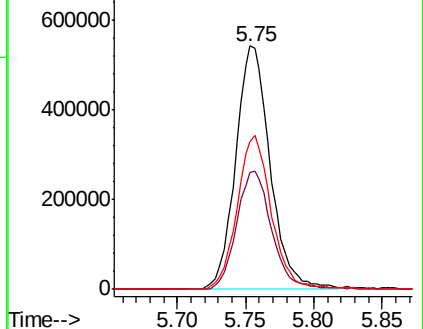
130 63.1 32.5 97.5



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: 0.020 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033732.D

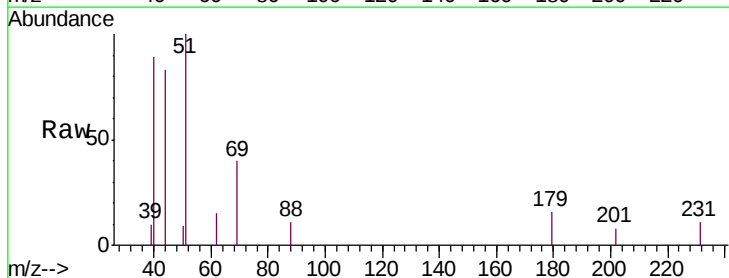
Acq: 20 May 2019 20:15

Tgt Ion: 51 Resp: 2180

Ion Ratio Lower Upper

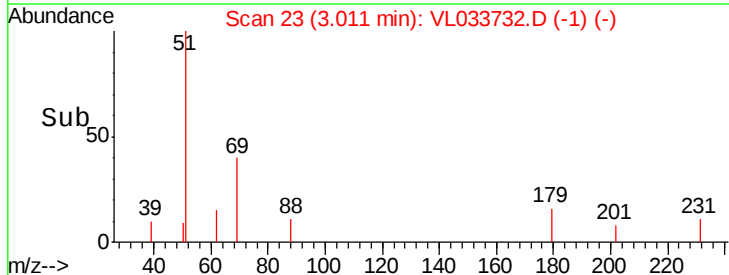
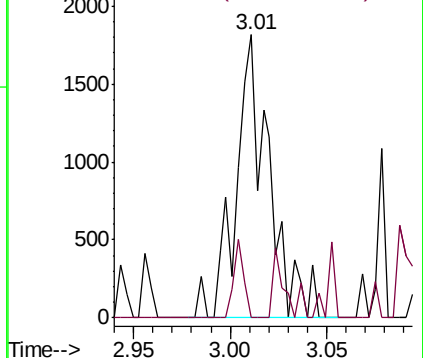
51 100

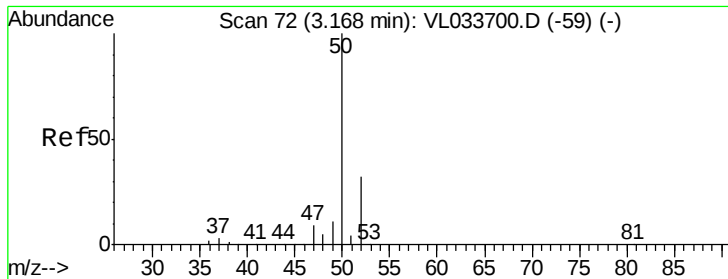
67 8.0 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.011 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

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ClientSampleId :

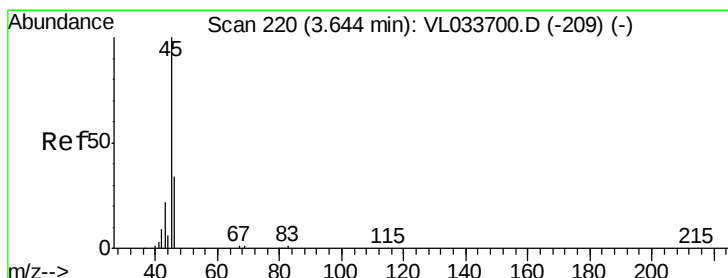
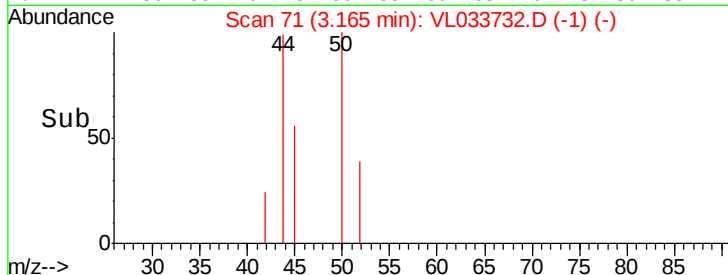
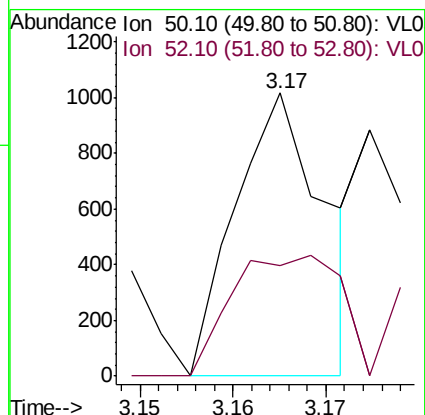
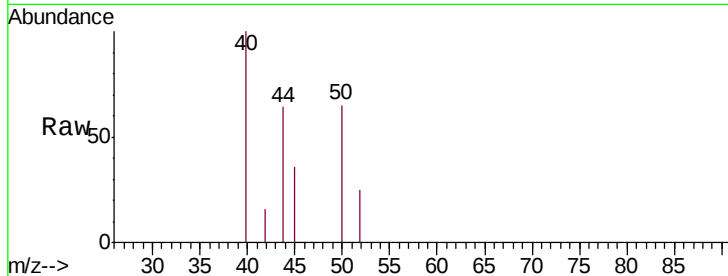
CAN 10662

Tgt Ion: 50 Resp: 675

Ion Ratio Lower Upper

50 100

52 39.1 25.7 38.5#



#13

Ethanol

Concen: 0.015 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.03 min

Lab File: VL033732.D

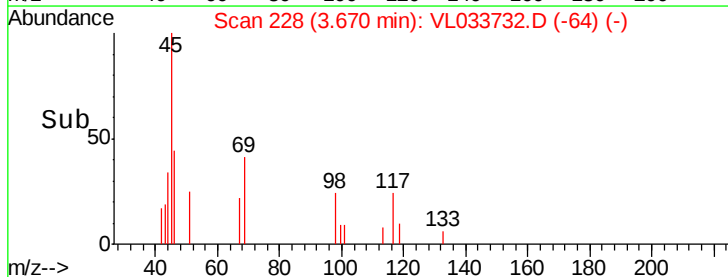
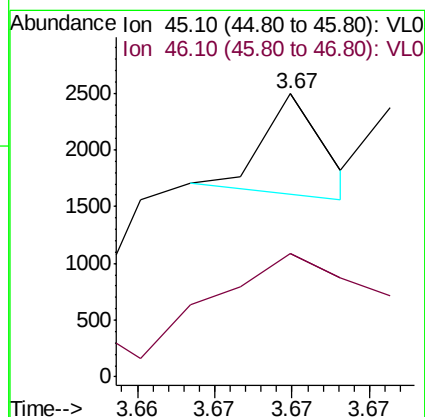
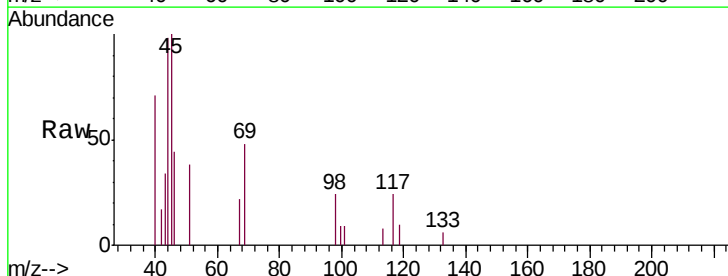
Acq: 20 May 2019 20:15

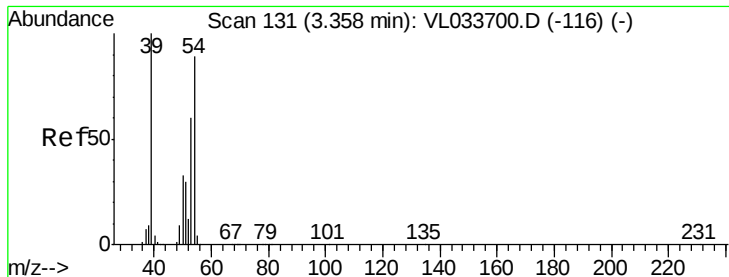
Tgt Ion: 45 Resp: 227

Ion Ratio Lower Upper

45 100

46 711.9 14.8 59.0#

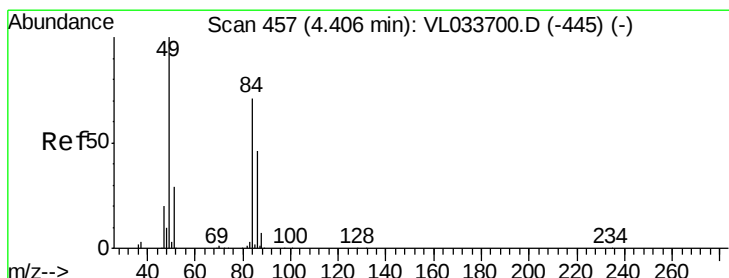
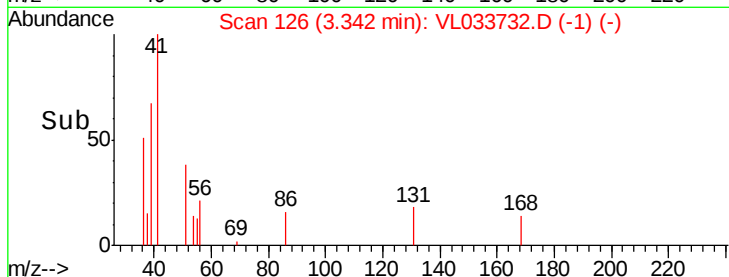
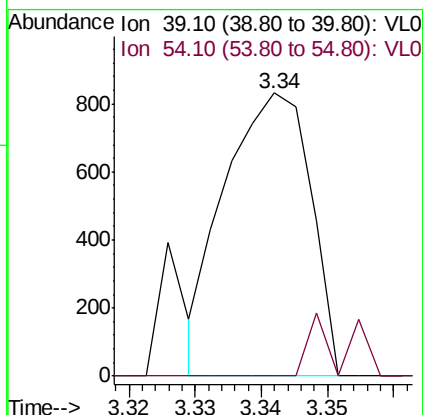
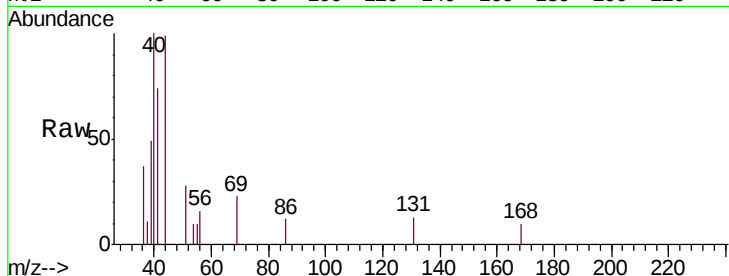




#16
 1,3-Butadiene
 Concen: 0.014 ppbv
 RT: 3.34 min Scan# 126
 Delta R.T. -0.02 min
 Lab File: VL033732.D
 Acq: 20 May 2019 20:15

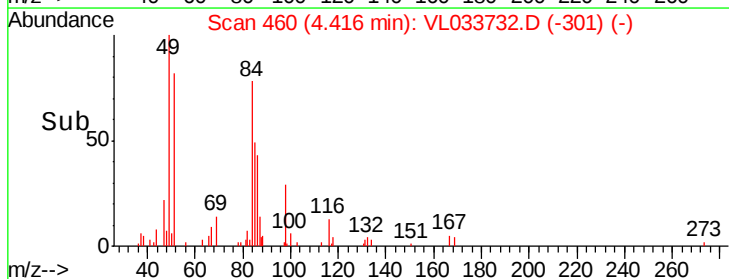
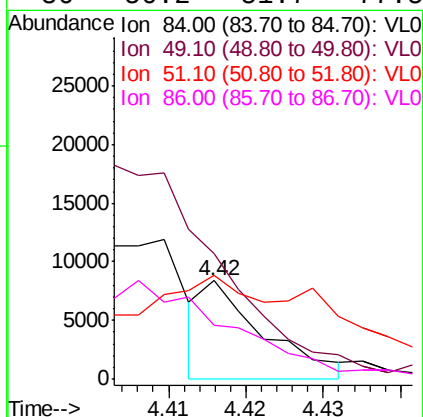
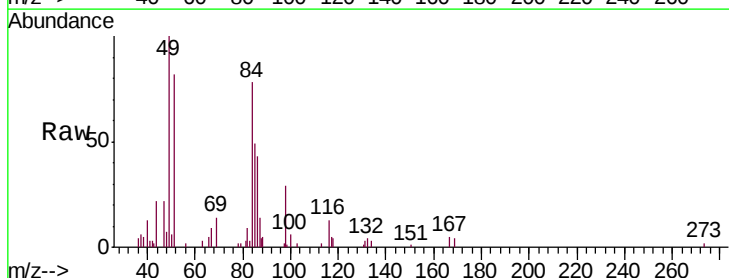
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10662

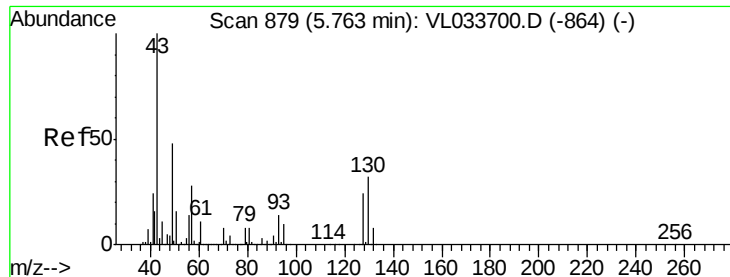
Tgt Ion: 39 Resp: 751
 Ion Ratio Lower Upper
 39 100
 54 13.4 69.0 103.6#



#20
 Methylene Chloride
 Concen: 0.090 ppbv
 RT: 4.42 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VL033732.D
 Acq: 20 May 2019 20:15

Tgt Ion: 84 Resp: 4576
 Ion Ratio Lower Upper
 84 100
 49 124.1 112.8 169.2
 51 49.1 33.4 50.0
 86 56.2 51.7 77.5

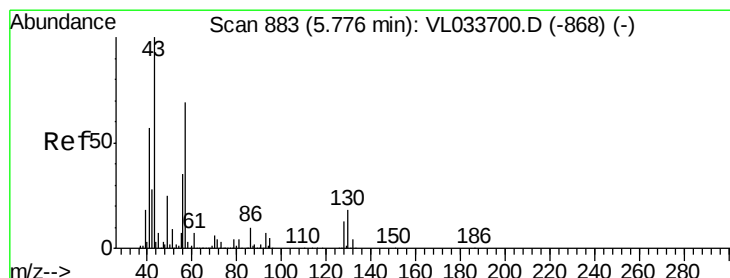
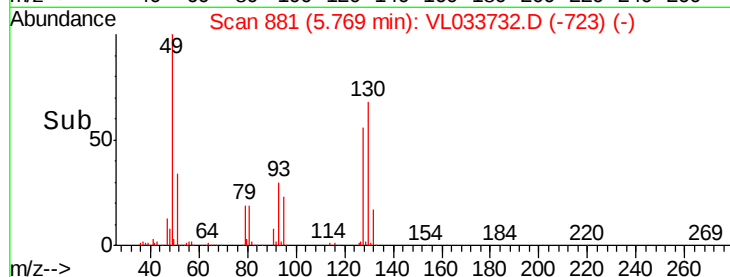
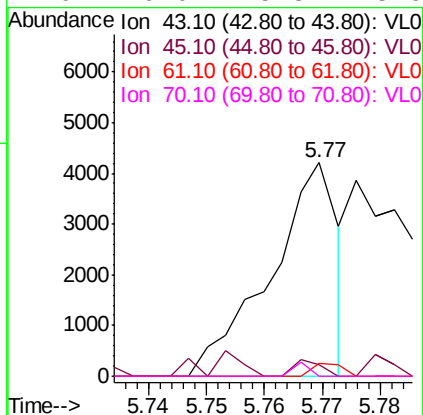
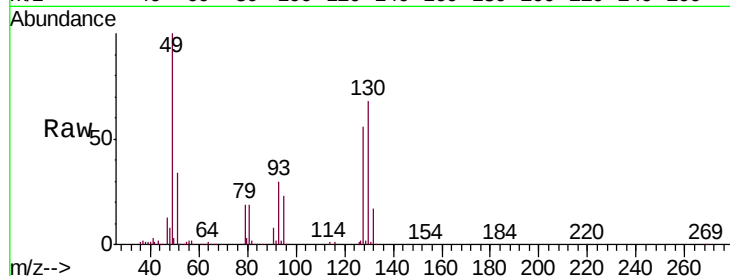




#25
Ethyl Acetate
Concen: 0.015 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033732.D
Acq: 20 May 2019 20:15

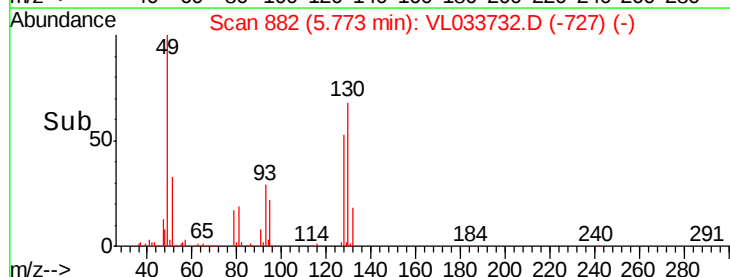
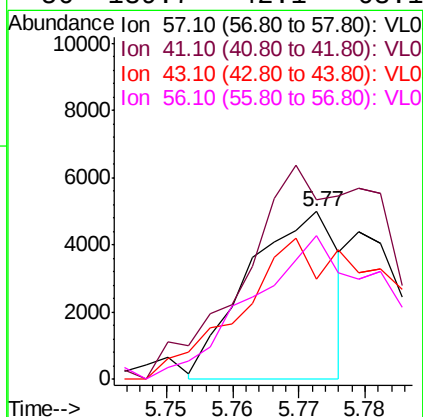
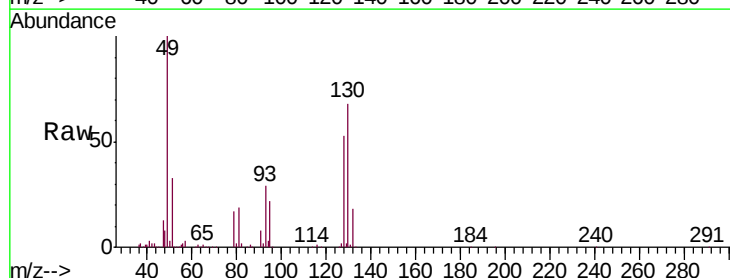
Instrument :
MSVOA_L
ClientSampleId :
CAN 10662

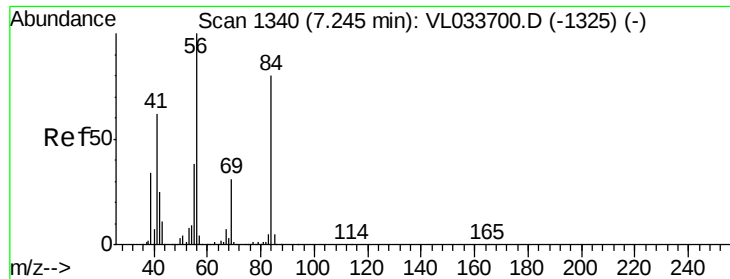
Tgt Ion:	43	Resp:	3403
Ion	Ratio	Lower	Upper
43	100		
45	4.0	7.9	11.9#
61	2.8	7.7	11.5#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.047 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033732.D
Acq: 20 May 2019 20:15

Tgt Ion:	57	Resp:	4692
Ion	Ratio	Lower	Upper
57	100		
41	219.4	69.8	104.6#
43	155.8	181.8	272.6#
56	139.7	42.1	63.1#

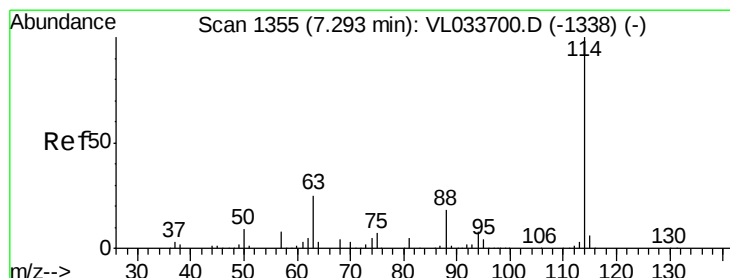
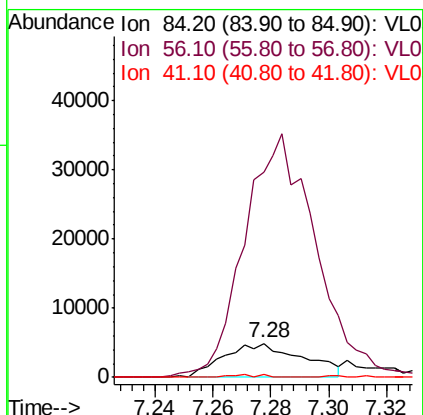
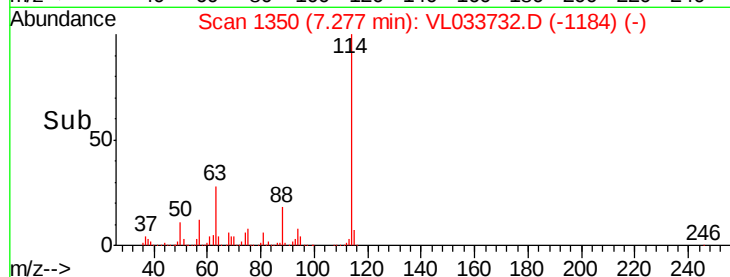
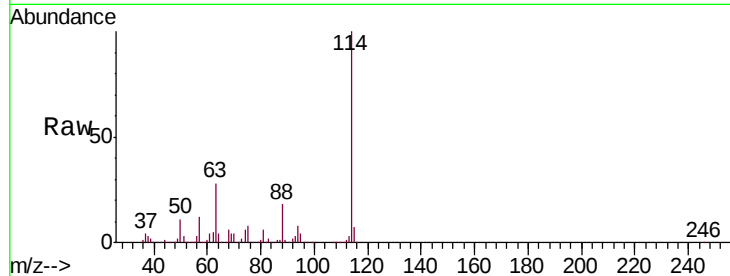




#30
Cyclohexane
Concen: 0.111 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033732.D
Acq: 20 May 2019 20:15

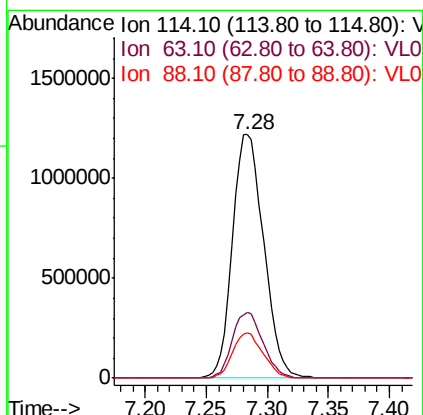
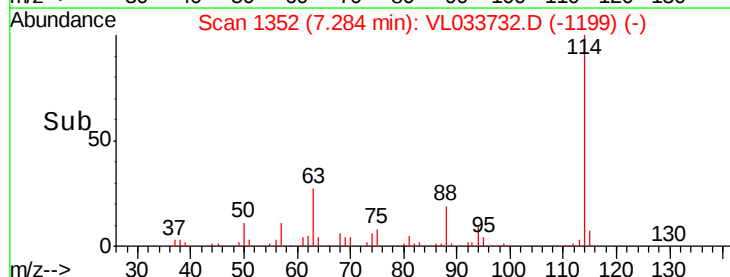
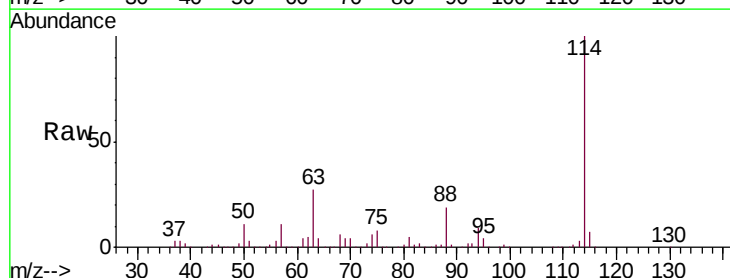
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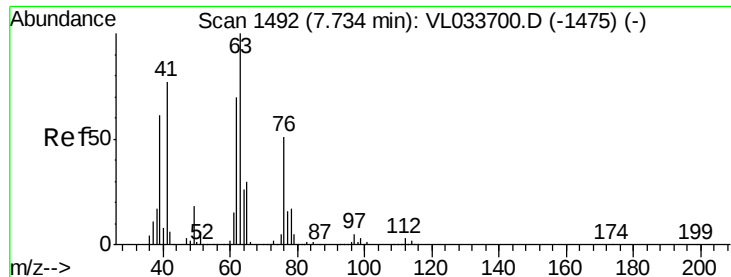
Tgt Ion: 84 Resp: 9313
Ion Ratio Lower Upper
84 100
56 654.1 107.7 161.5#
41 2.9 66.0 99.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033732.D
Acq: 20 May 2019 20:15

Tgt Ion: 114 Resp: 2171767
Ion Ratio Lower Upper
114 100
63 26.8 20.9 31.3
88 18.1 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.876 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033732.D

Acq: 20 May 2019 20:15

Instrument :

MSVOA_L

ClientSampleId :

CAN 10662

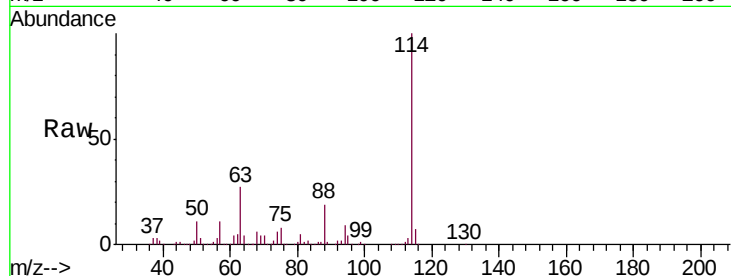
Tgt Ion: 63 Resp: 580069

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

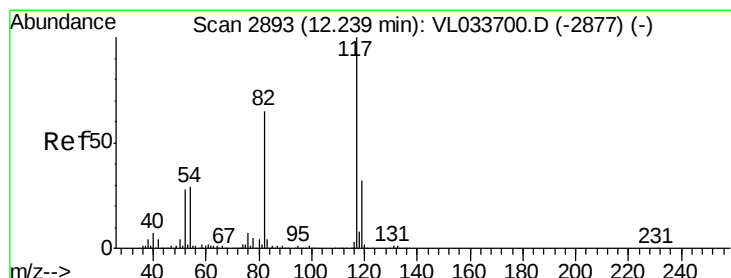
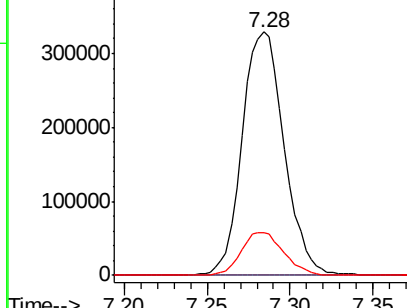
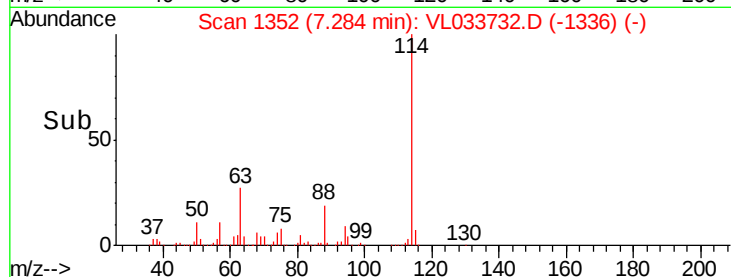
62 17.6 56.2 84.4#



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# 2891

Delta R.T. -0.01 min

Lab File: VL033732.D

Acq: 20 May 2019 20:15

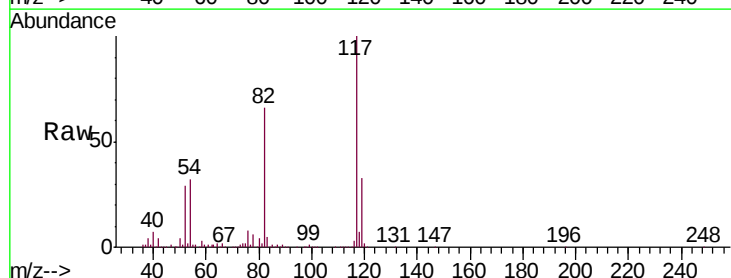
Tgt Ion: 117 Resp: 2249521

Ion Ratio Lower Upper

117 100

82 68.4 49.4 74.0

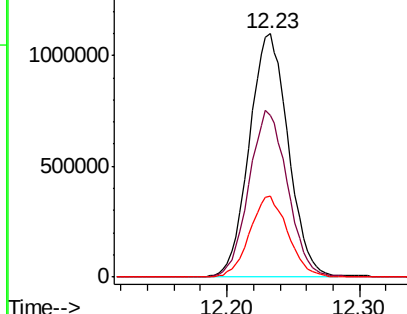
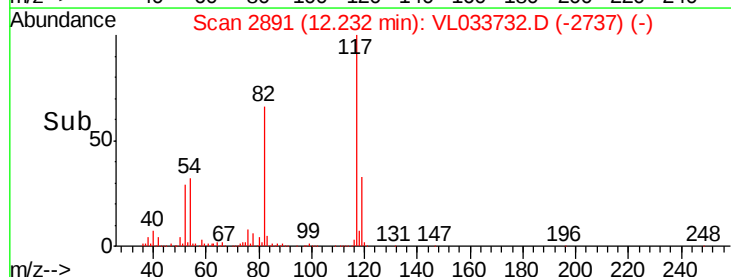
119 32.9 24.9 37.3

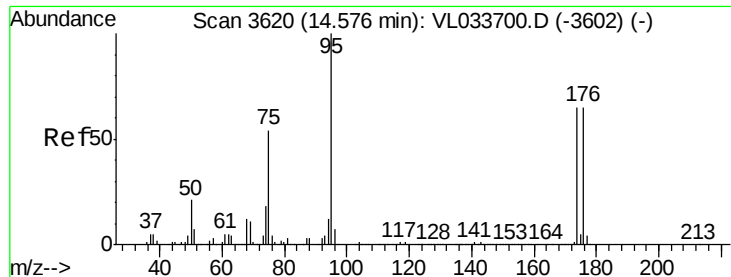


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.901 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

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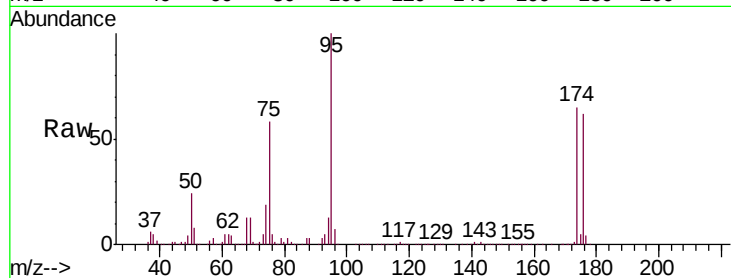
Tgt Ion: 95 Resp: 1805585

Ion Ratio Lower Upper

95 100

174 65.9 53.9 80.9

175 4.7 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

