

Data File : VL033726.D
Acq On : 20 May 2019 16:12
Operator : SY/AP
Sample : CAN 10434
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10434

Quant Time: May 21 01:32:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	954889	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2196502	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2248720	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1806084	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

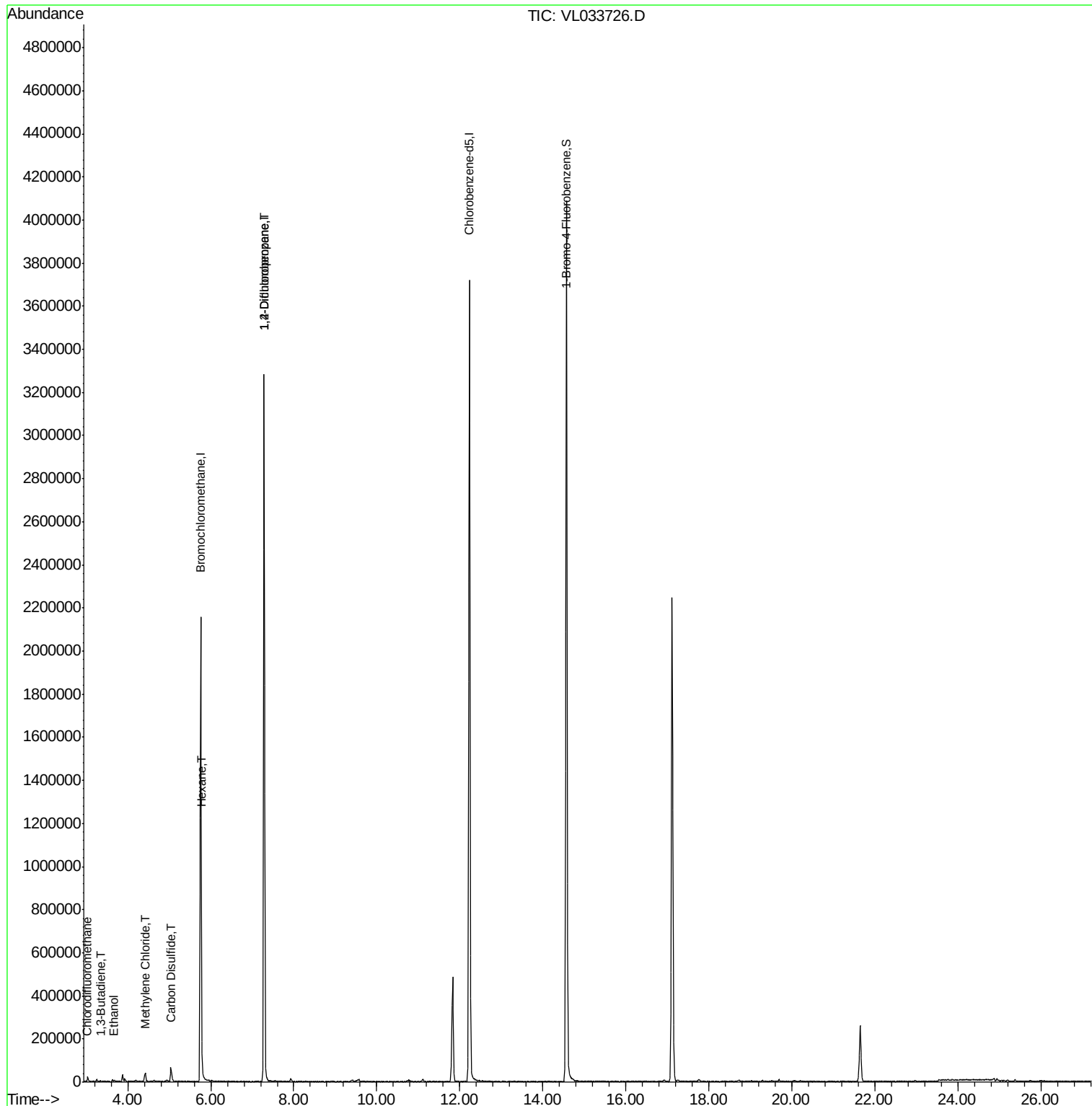
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	1747	0.016	ppbv #	57
13) Ethanol	3.66	45	228	0.015	ppbv #	38
16) 1,3-Butadiene	3.34	39	599	0.011	ppbv #	6
20) Methylene Chloride	4.41	84	9034	0.177	ppbv	94
26) Hexane	5.78	57	3695	0.037	ppbv #	35
27) Carbon Disulfide	5.04	76	4307	0.031	ppbv #	87
39) 1,2-Dichloropropane	7.28	63	576821	7.743	ppbv #	23

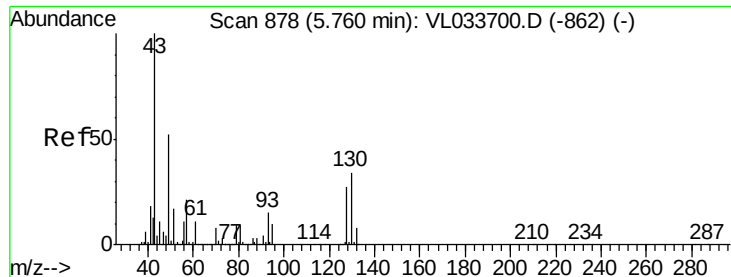
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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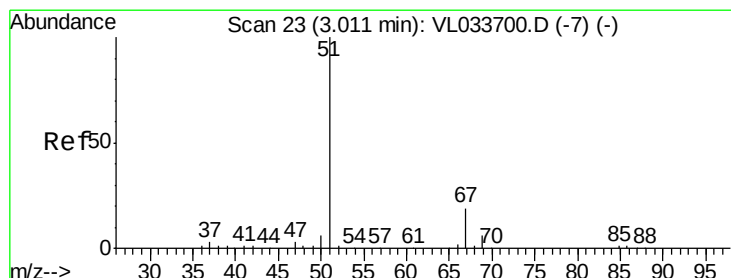
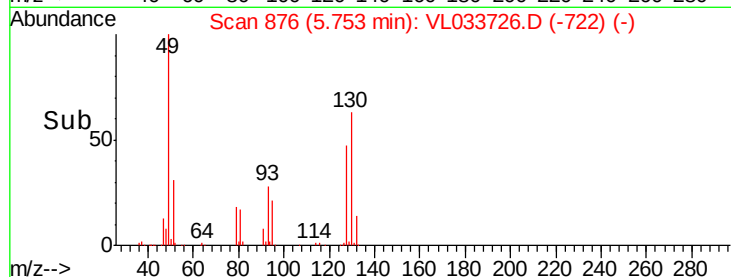
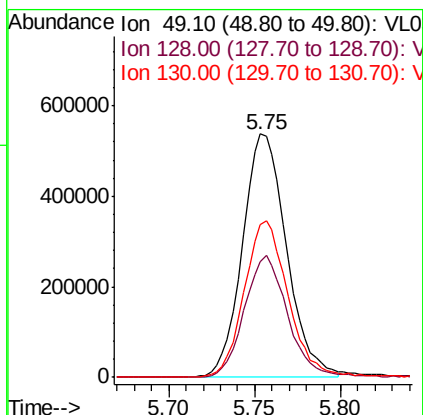
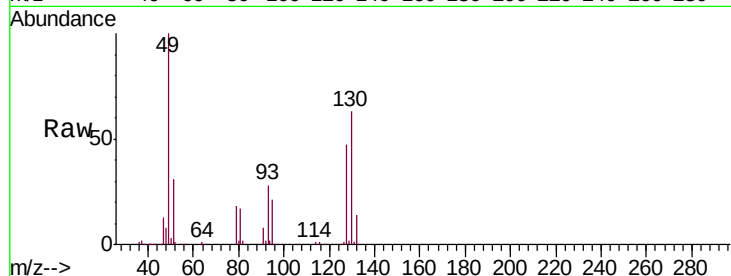




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VL033726.D
 Acq: 20 May 2019 16:12

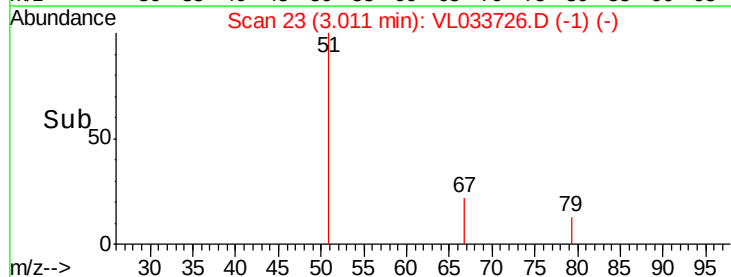
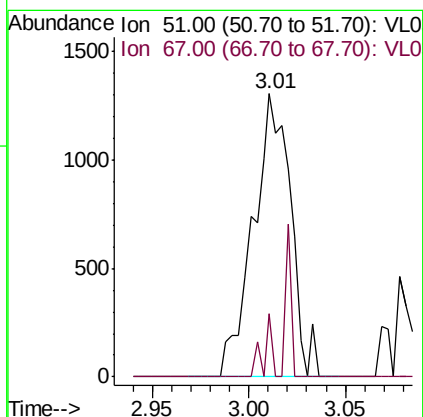
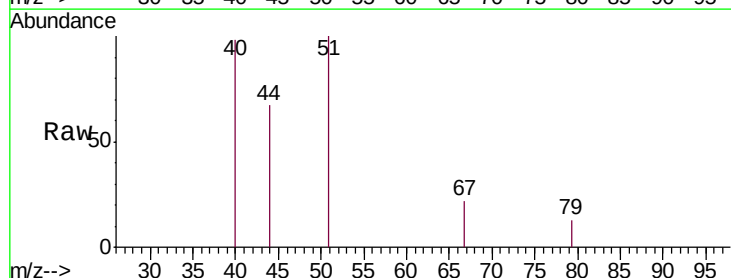
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10434

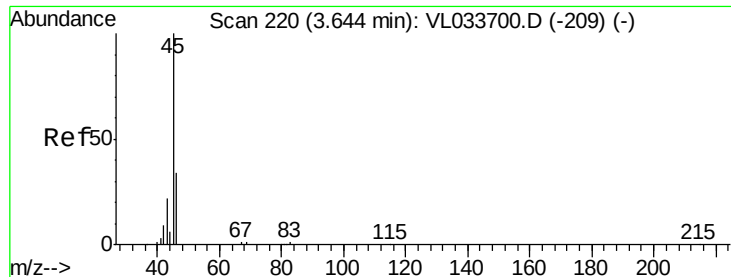
Tgt Ion: 49 Resp: 954889
 Ion Ratio Lower Upper
 49 100
 128 49.6 25.2 75.6
 130 64.8 32.5 97.5



#3
 Chlorodifluoromethane
 Concen: 0.016 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033726.D
 Acq: 20 May 2019 16:12

Tgt Ion: 51 Resp: 1747
 Ion Ratio Lower Upper
 51 100
 67 0.0 15.6 23.4#





#13

Ethanol

Concen: 0.015 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.02 min

Lab File: VL033726.D

Acq: 20 May 2019 16:12

Instrument :

MSVOA_L

ClientSampleId :

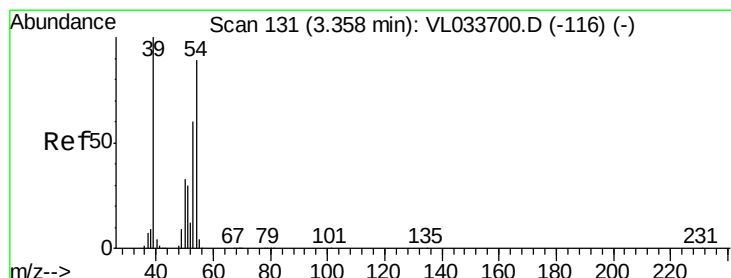
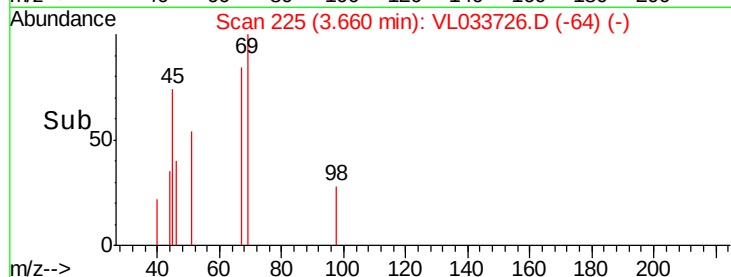
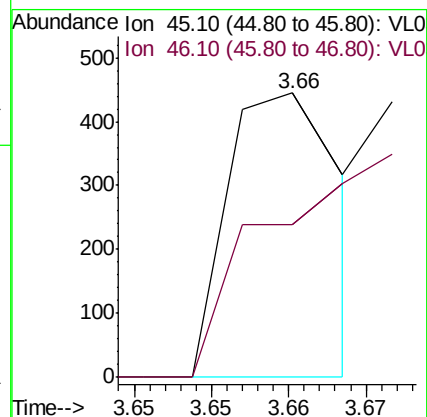
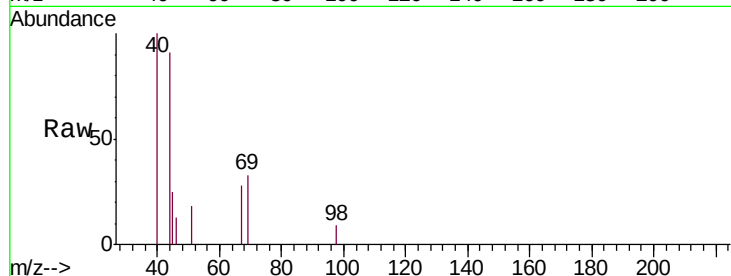
CAN 10434

Tgt Ion: 45 Resp: 228

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#16

1,3-Butadiene

Concen: 0.011 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033726.D

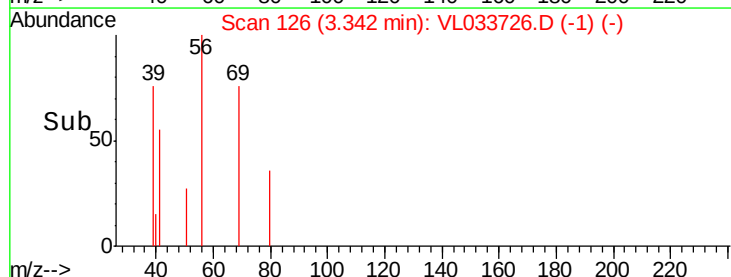
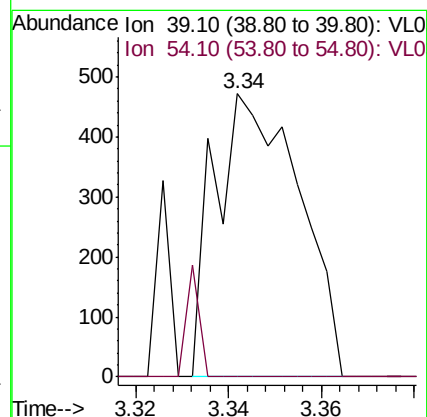
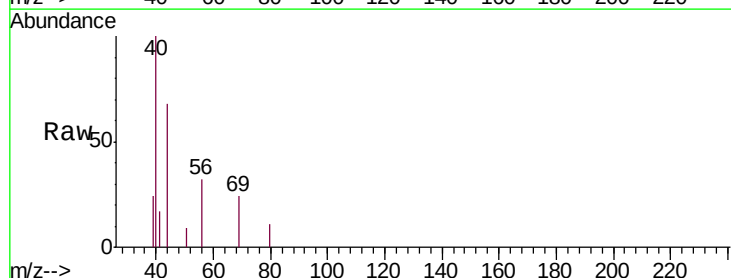
Acq: 20 May 2019 16:12

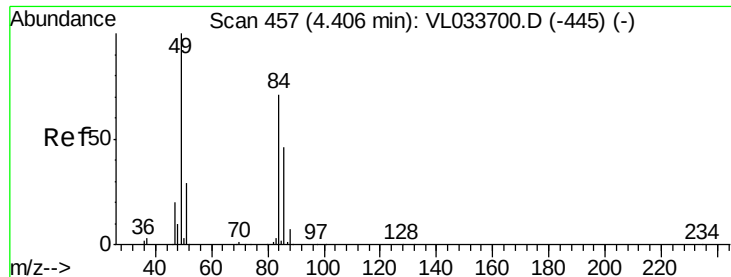
Tgt Ion: 39 Resp: 599

Ion Ratio Lower Upper

39 100

54 0.0 69.0 103.6#

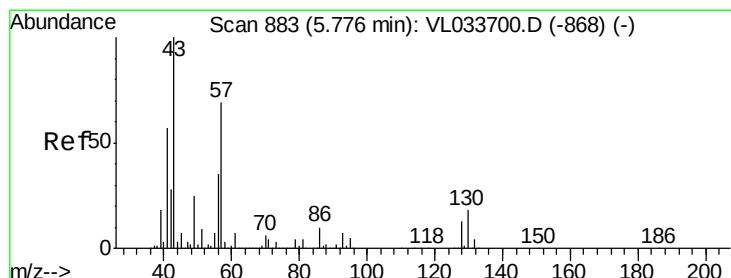
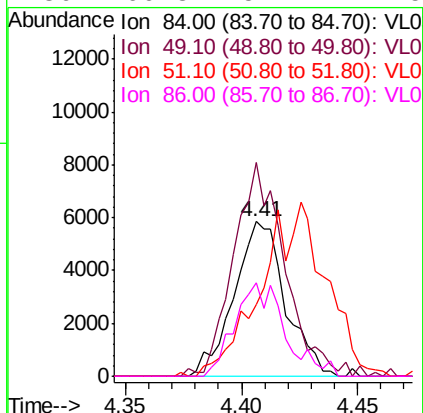
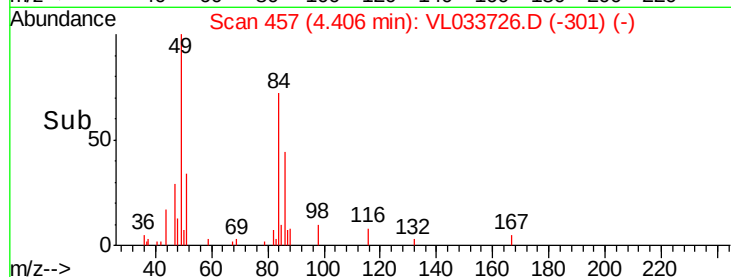
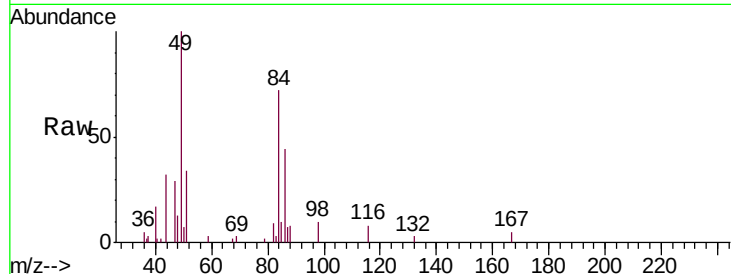




#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033726.D
Acq: 20 May 2019 16:12

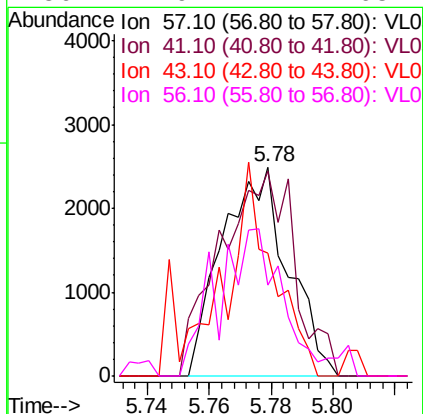
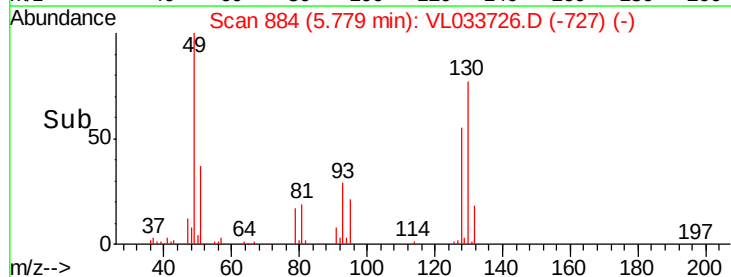
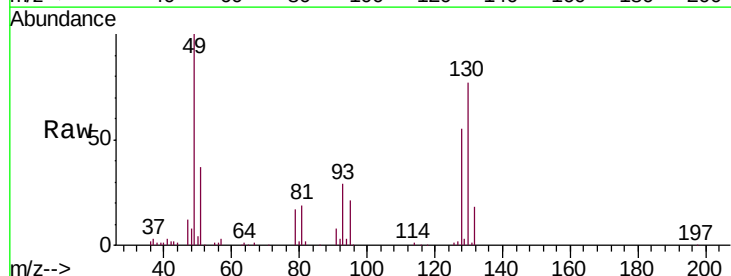
Instrument :
MSVOA_L
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CAN 10434

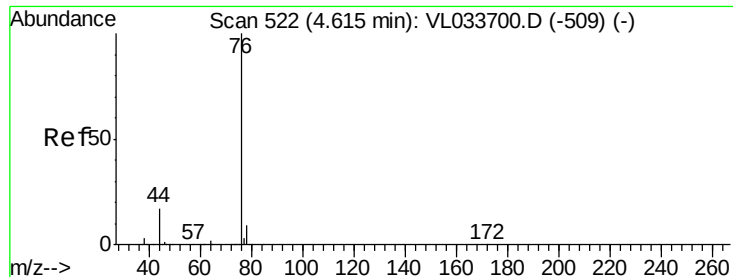
Tgt Ion:	84	Resp:	9034
Ion	Ratio	Lower	Upper
84	100		
49	134.6	112.8	169.2
51	46.8	33.4	50.0
86	60.3	51.7	77.5



#26
Hexane
Concen: 0.037 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033726.D
Acq: 20 May 2019 16:12

Tgt Ion:	57	Resp:	3695
Ion	Ratio	Lower	Upper
57	100		
41	110.2	69.8	104.6#
43	82.3	181.8	272.6#
56	74.9	42.1	63.1#





#27

Carbon Disulfide

Concen: 0.031 ppbv

RT: 5.04 min Scan# 655

Delta R.T. 0.43 min

Lab File: VL033726.D

Acq: 20 May 2019 16:12

Instrument :

MSVOA_L

ClientSampleId :

CAN 10434

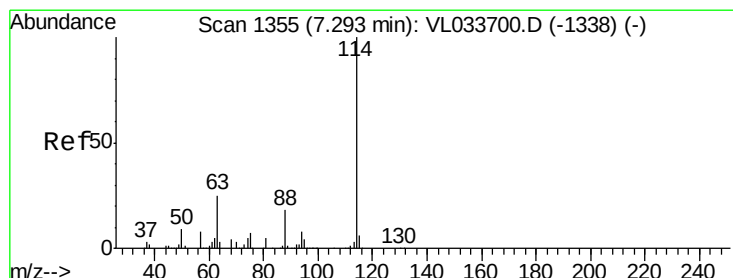
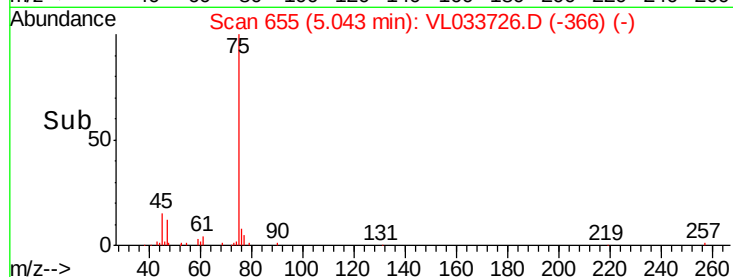
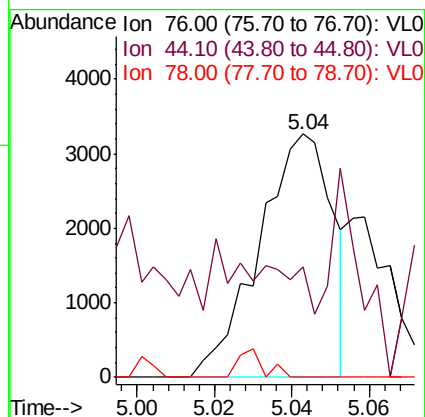
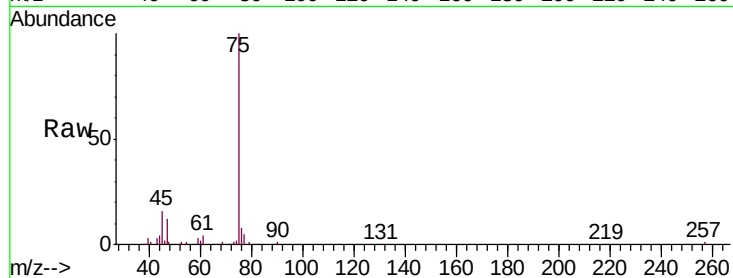
Tgt Ion: 76 Resp: 4307

Ion Ratio Lower Upper

76 100

44 22.3 13.8 20.8#

78 3.9 7.4 11.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033726.D

Acq: 20 May 2019 16:12

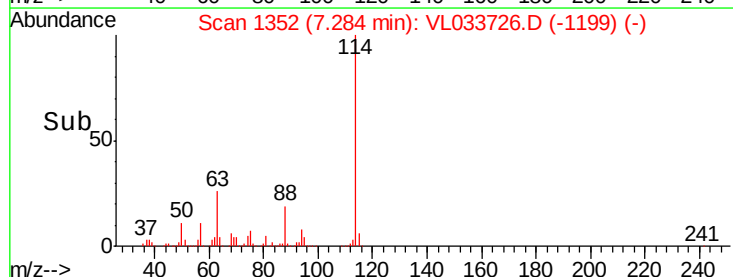
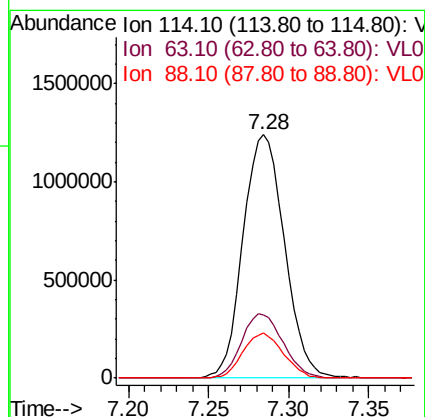
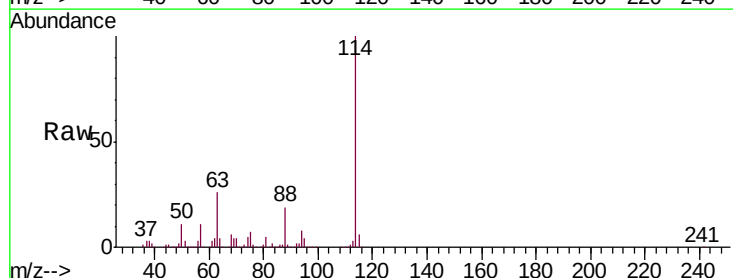
Tgt Ion: 114 Resp: 2196502

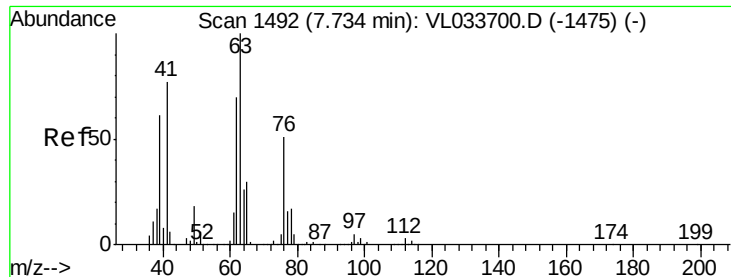
Ion Ratio Lower Upper

114 100

63 26.6 20.9 31.3

88 18.2 14.3 21.5





#39

1,2-Dichloropropane

Concen: 7.743 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.45 min

Lab File: VL033726.D

Acq: 20 May 2019 16:12

Instrument :

MSVOA_L

ClientSampleId :

CAN 10434

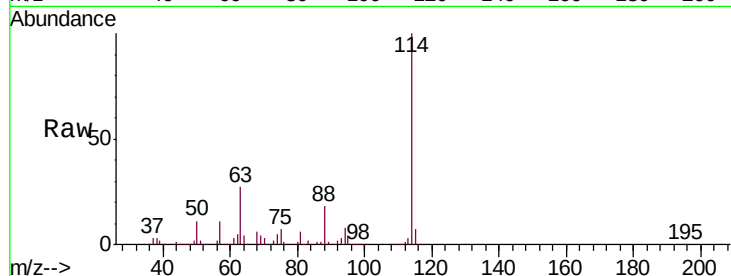
Tgt Ion: 63 Resp: 576821

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

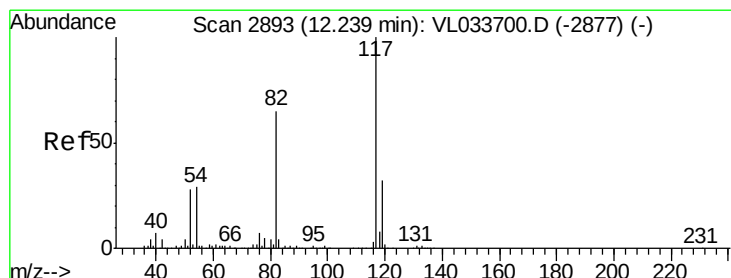
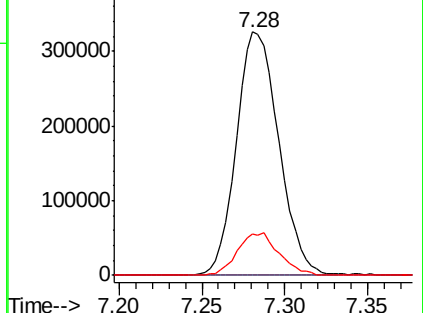
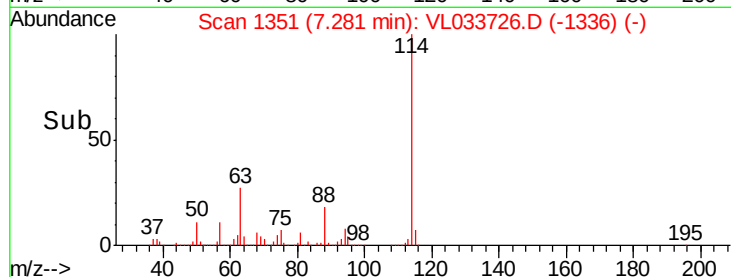
62 17.0 56.2 84.4#



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: VL033726.D

Acq: 20 May 2019 16:12

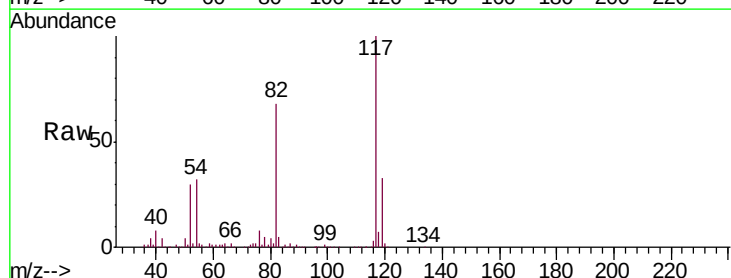
Tgt Ion: 117 Resp: 2248720

Ion Ratio Lower Upper

117 100

82 67.3 49.4 74.0

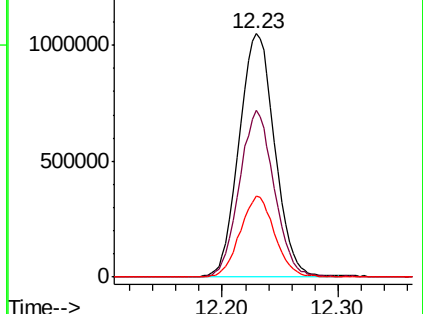
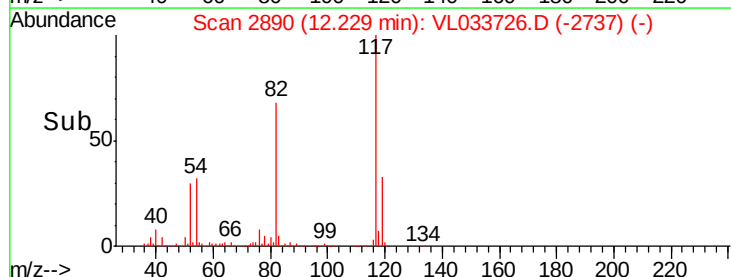
119 32.3 24.9 37.3

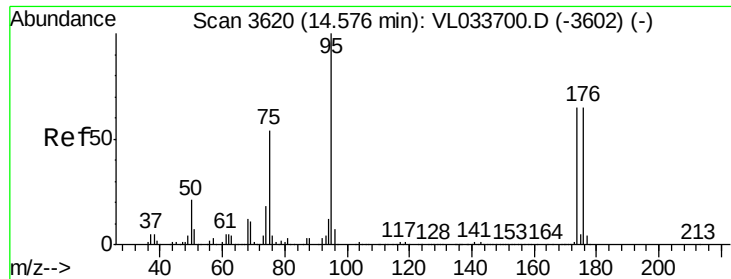


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.907 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033726.D

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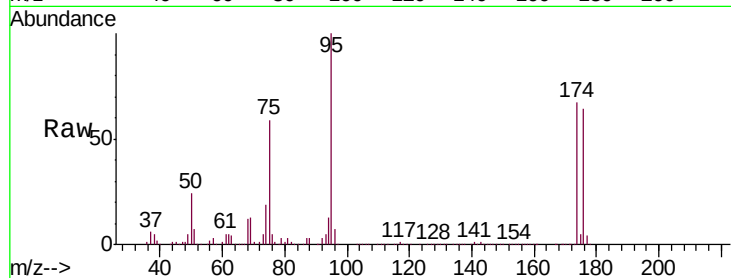
Tgt Ion: 95 Resp: 1806084

Ion Ratio Lower Upper

95 100

174 66.2 53.9 80.9

175 4.8 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

