

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
 Data File : VL033626.D
 Acq On : 2 May 2019 13:39
 Operator : SY/AP
 Sample : QC042319 CAN 10158
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042319 CAN 10158

Quant Time: May 03 02:27:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1098473	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2657274	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2607776	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2118124	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

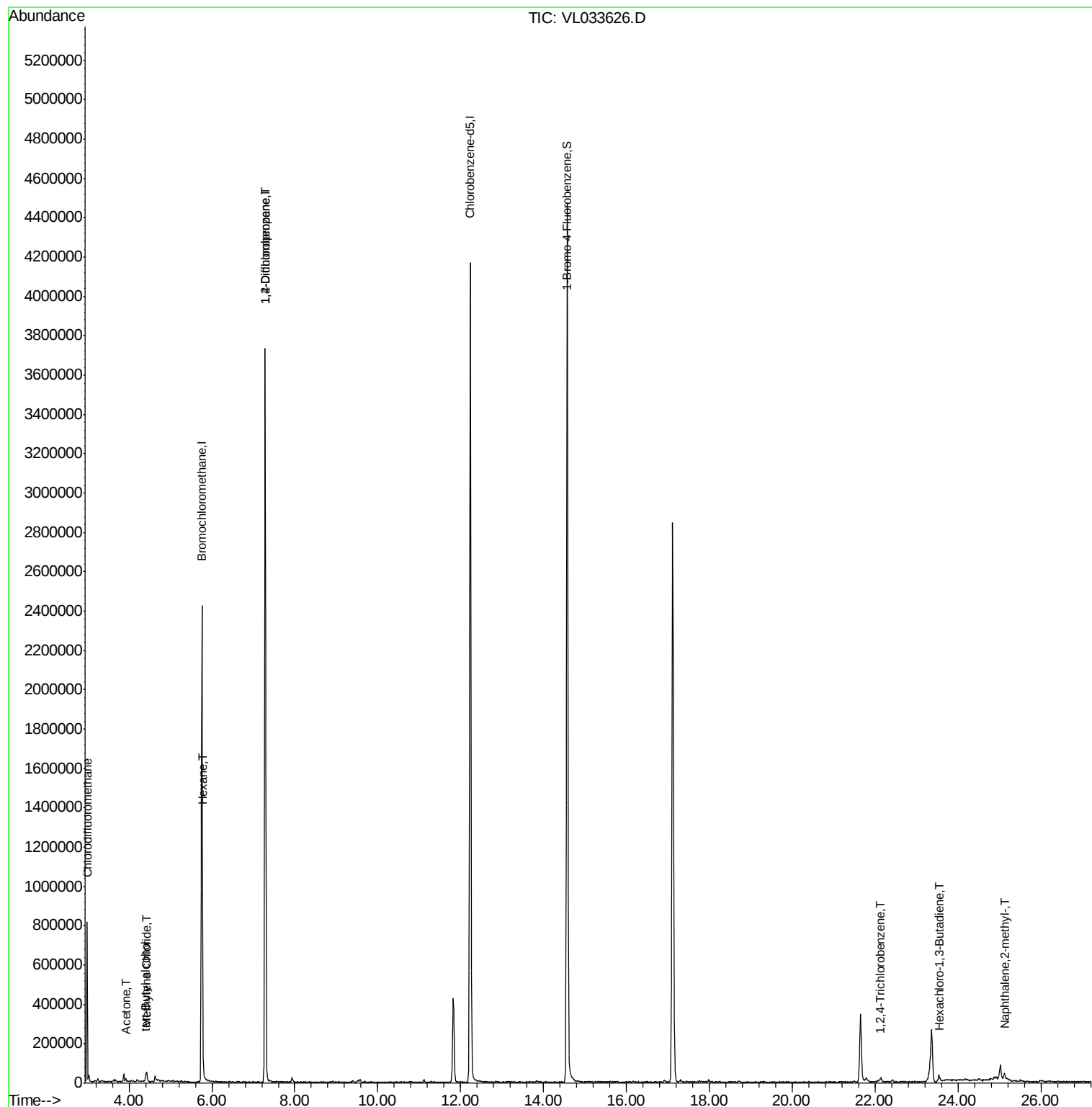
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	458007	3.487	ppbv #	57
15) Acetone	3.92	43	14559	0.109	ppbv #	84
17) tert-Butyl alcohol	4.39	59	1442	0.012	ppbv #	79
20) Methylene Chloride	4.41	84	7885	0.151	ppbv #	75
26) Hexane	5.78	57	2912	0.027	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	678517	7.947	ppbv #	24
78) Hexachloro-1,3-Butadiene	23.53	225	2167	0.015	ppbv #	1
80) Naphthalene,2-methyl-	25.11	142	19885	0.153	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	2759	0.016	ppbv #	12

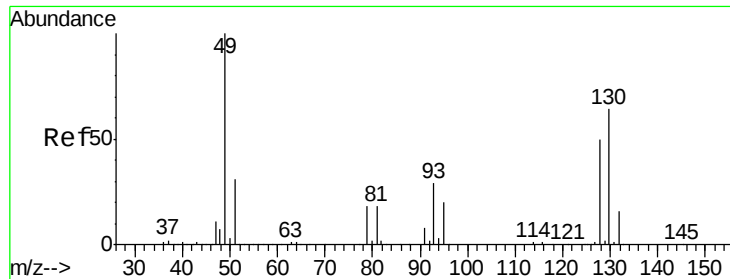
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033626.D

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Instrument :

MSVOA_L

ClientSampleId :

QC042319 CAN 10158

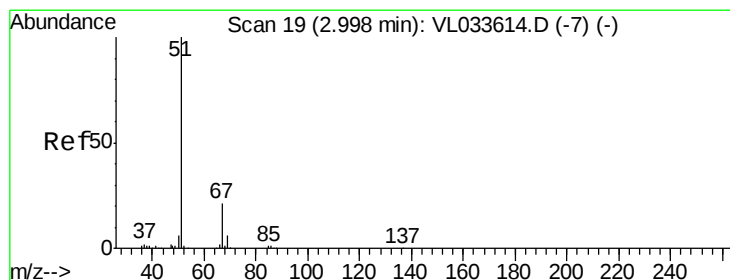
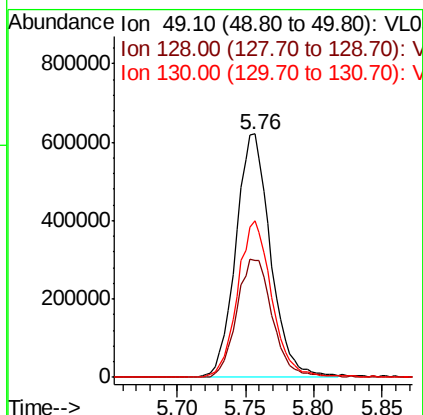
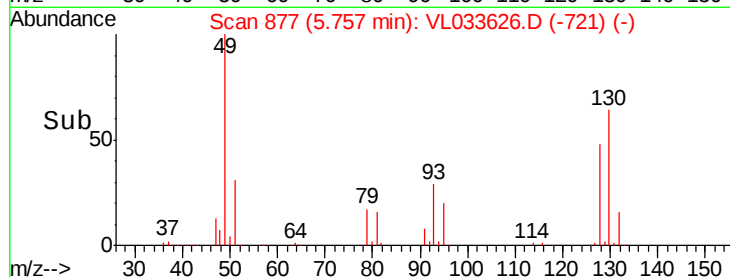
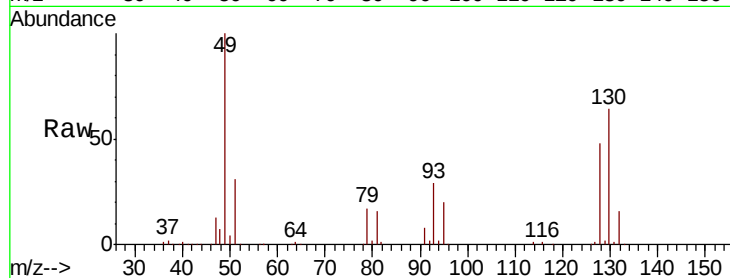
Tgt Ion: 49 Resp: 1098473

Ion Ratio Lower Upper

49 100

128 50.5 25.0 75.0

130 63.7 31.9 95.9



#3

Chlorodifluoromethane

Concen: 3.487 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.01 min

Lab File: VL033626.D

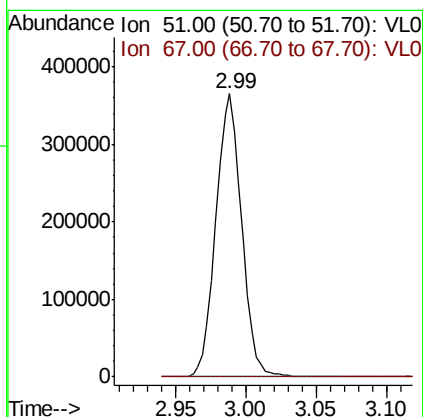
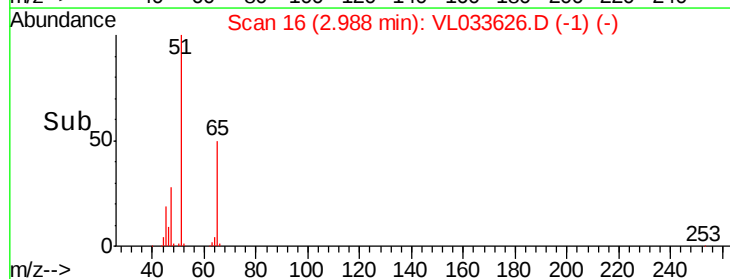
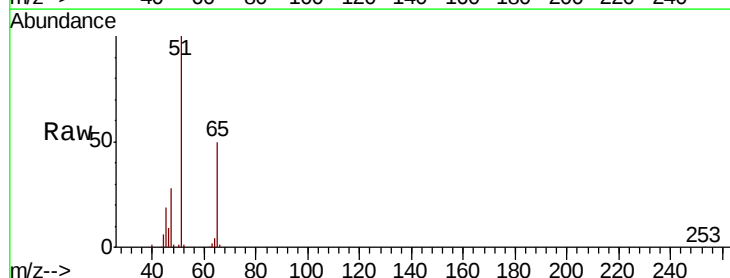
Acq: 2 May 2019 13:39

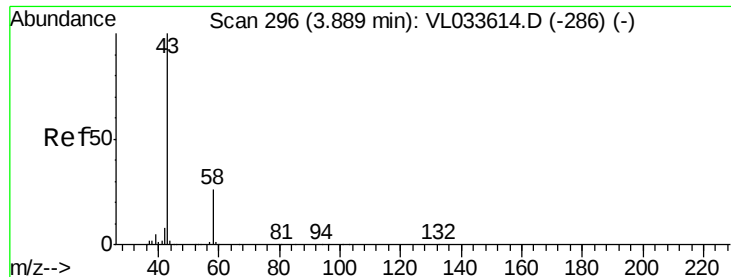
Tgt Ion: 51 Resp: 458007

Ion Ratio Lower Upper

51 100

67 0.0 15.6 23.4#





#15

Acetone

Concen: 0.109 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.03 min

Lab File: VL033626.D

Acq: 2 May 2019 13:39

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MSVOA_L

ClientSampleId :

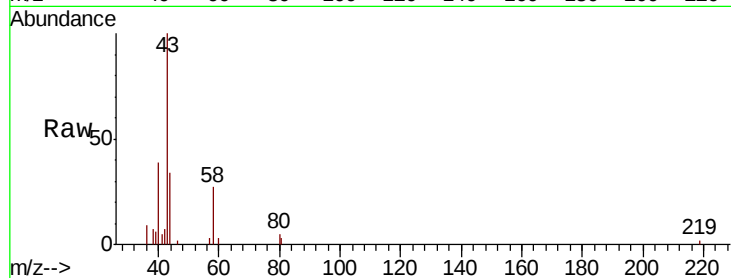
QC042319 CAN 10158

Tgt Ion: 43 Resp: 14559

Ion Ratio Lower Upper

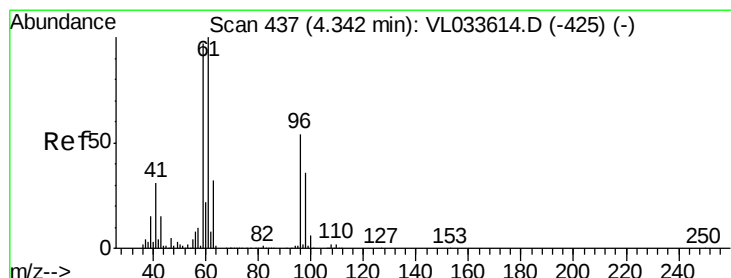
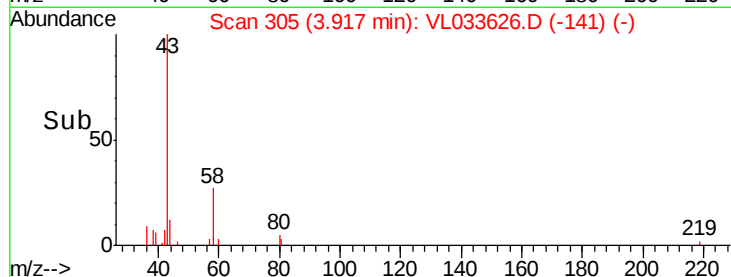
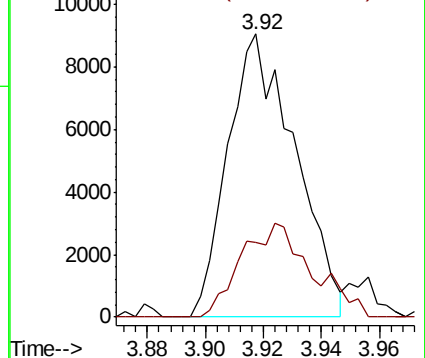
43 100

58 34.8 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.012 ppbv

RT: 4.39 min Scan# 452

Delta R.T. 0.05 min

Lab File: VL033626.D

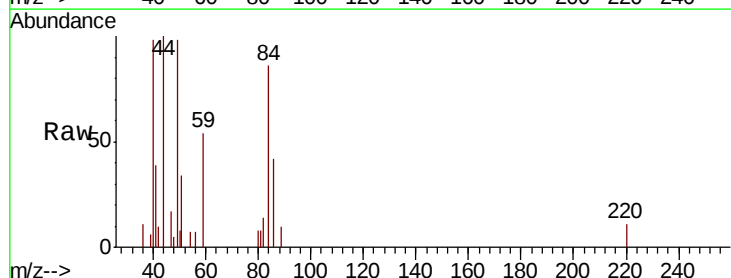
Acq: 2 May 2019 13:39

Tgt Ion: 59 Resp: 1442

Ion Ratio Lower Upper

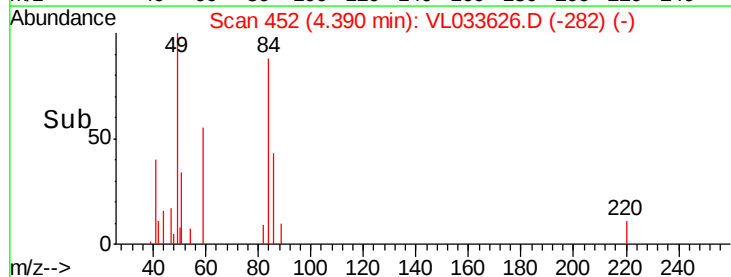
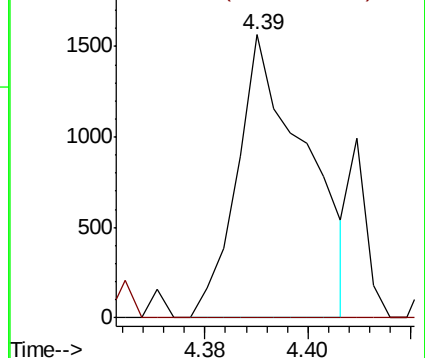
59 100

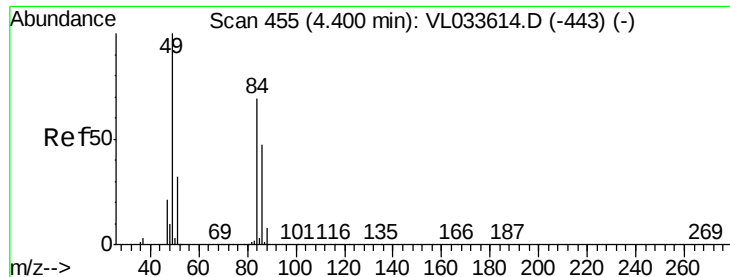
57 2.8 8.4 12.6#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

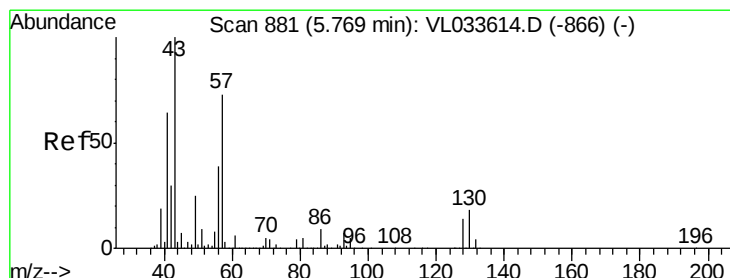
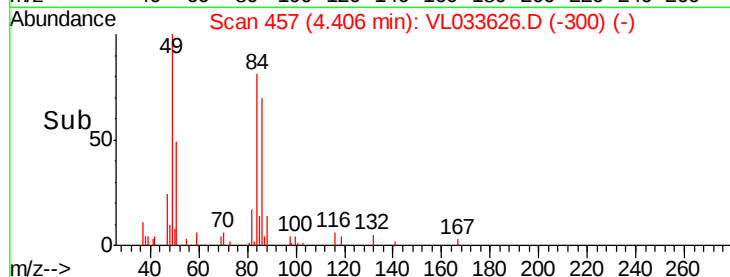
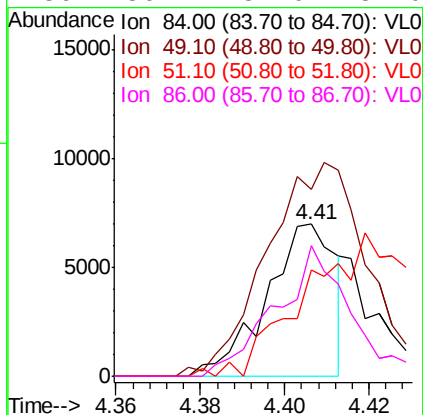
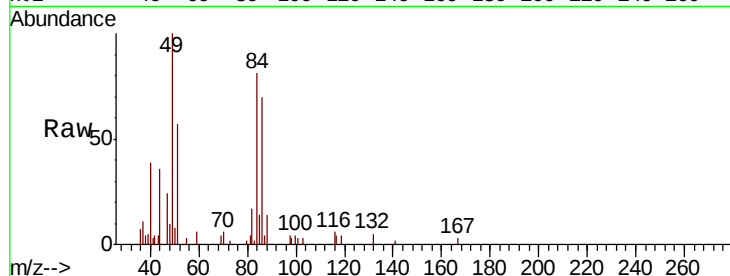




#20
Methylene Chloride
Concen: 0.151 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.01 min
Lab File: VL033626.D
Acq: 2 May 2019 13:39

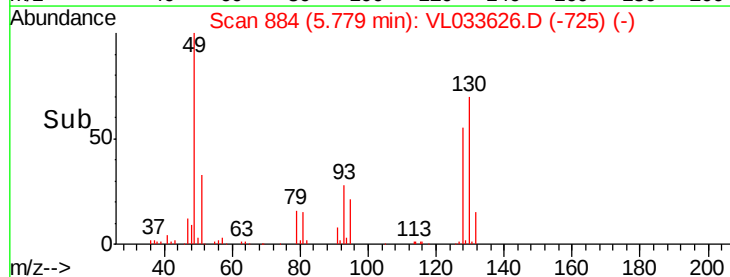
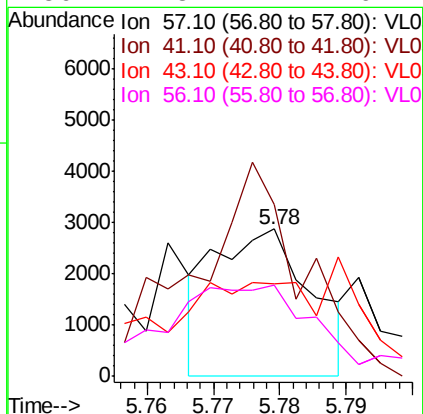
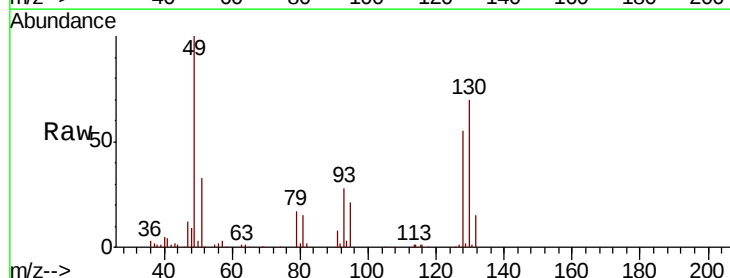
Instrument :
MSVOA_L
ClientSampleId :
QC042319 CAN 10158

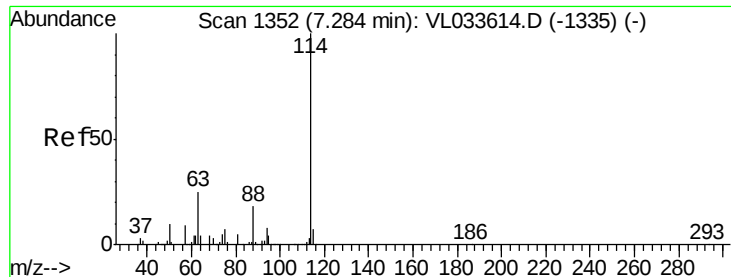
Tgt Ion: 84 Resp: 7885
Ion Ratio Lower Upper
84 100
49 117.2 116.2 174.2
51 69.8 37.0 55.6#
86 86.2 54.0 81.0#



#26
Hexane
Concen: 0.027 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033626.D
Acq: 2 May 2019 13:39

Tgt Ion: 57 Resp: 2912
Ion Ratio Lower Upper
57 100
41 179.5 70.6 106.0#
43 0.0 186.0 279.0#
56 117.8 42.7 64.1#

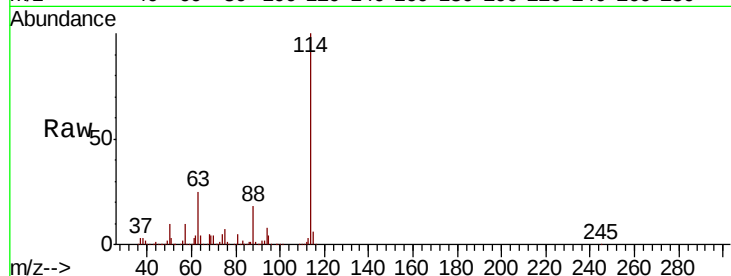




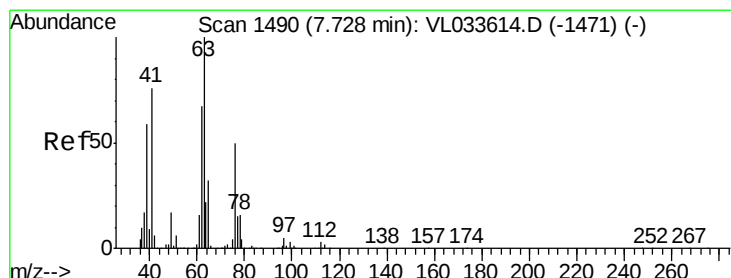
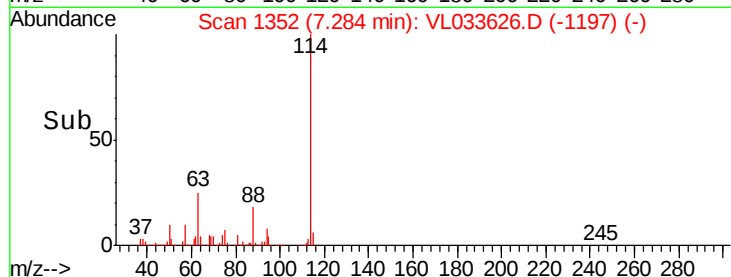
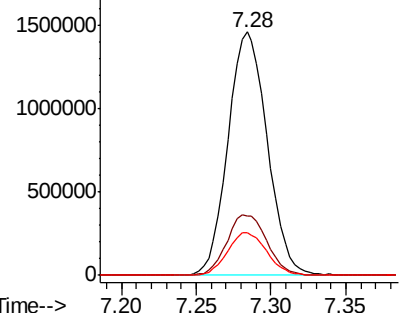
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VL033626.D
 Acq: 2 May 2019 13:39

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042319 CAN 10158

Tgt Ion:114 Resp: 2657274
 Ion Ratio Lower Upper
 114 100
 63 25.7 21.1 31.7
 88 17.8 14.2 21.4

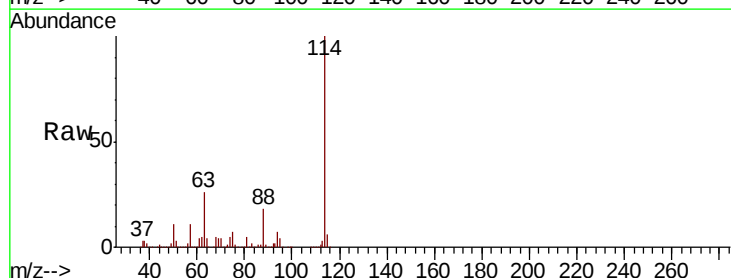


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

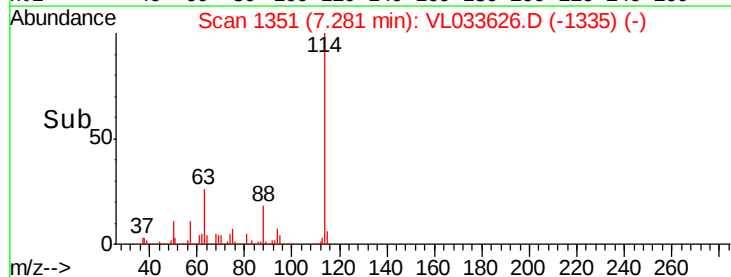
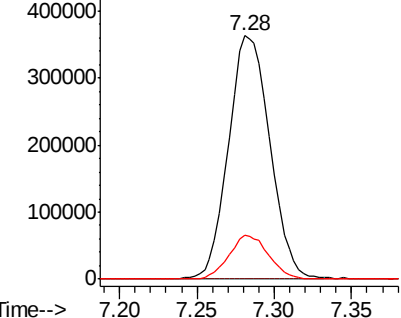


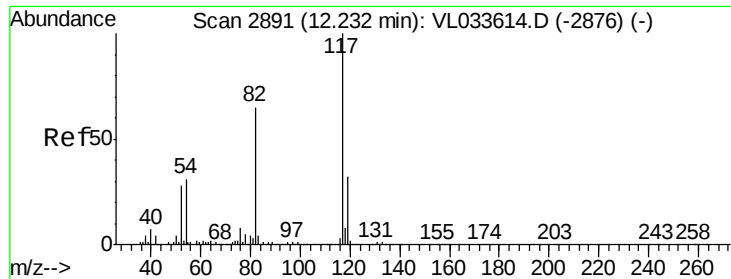
#39
 1,2-Dichloropropane
 Concen: 7.947 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.45 min
 Lab File: VL033626.D
 Acq: 2 May 2019 13:39

Tgt Ion: 63 Resp: 678517
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.9 91.3#
 62 17.8 53.3 79.9#



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

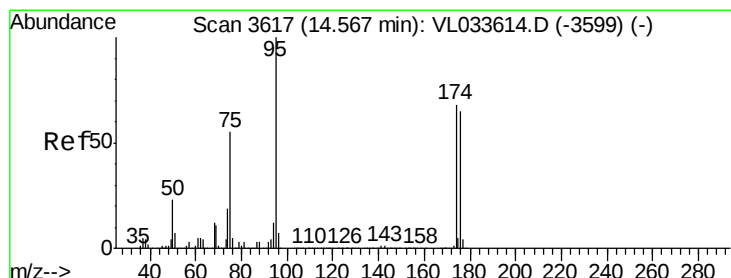
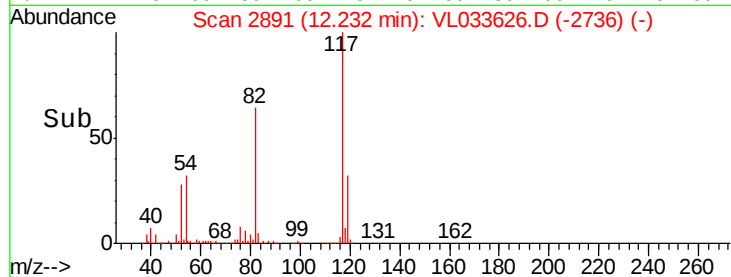
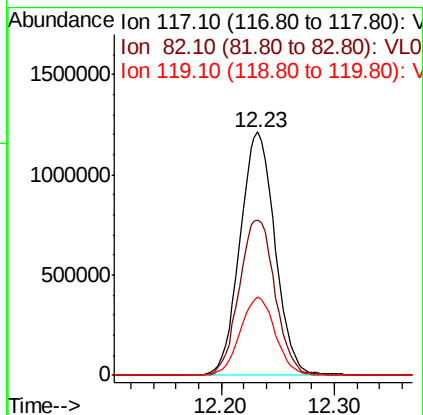
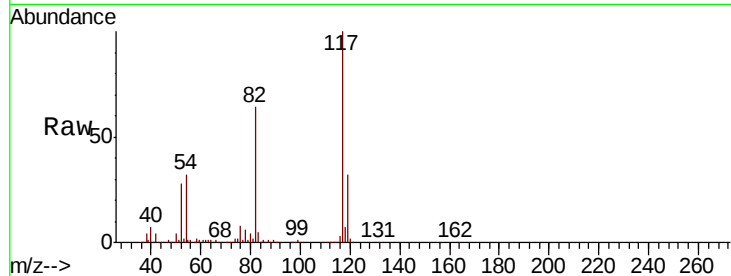




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL033626.D
Acq: 2 May 2019 13:39

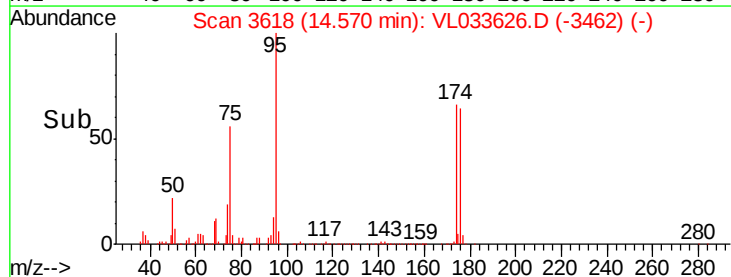
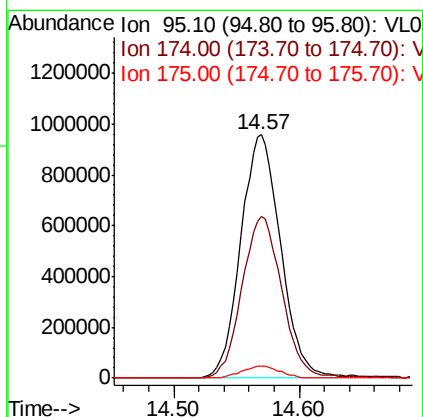
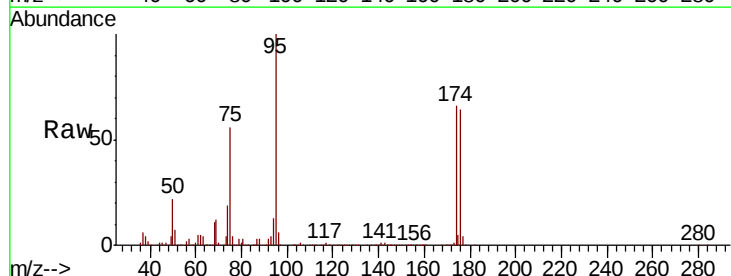
Instrument :
MSVOA_L
ClientSampleId :
QC042319 CAN 10158

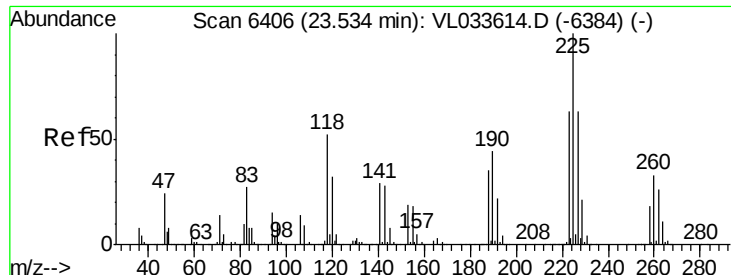
Tgt Ion: 117 Resp: 2607776
Ion Ratio Lower Upper
117 100
82 66.0 52.6 78.8
119 32.5 28.3 42.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.669 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033626.D
Acq: 2 May 2019 13:39

Tgt Ion: 95 Resp: 2118124
Ion Ratio Lower Upper
95 100
174 67.2 53.9 80.9
175 4.9 4.0 6.0





#78

Hexachloro-1,3-Butadiene

Concen: 0.015 ppbv

RT: 23.53 min Scan# 6406

Delta R.T. -0.00 min

Lab File: VL033626.D

Acq: 2 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

QC042319 CAN 10158

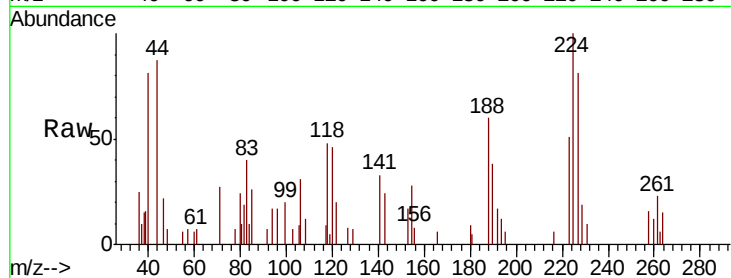
Tgt Ion:225 Resp: 2167

Ion Ratio Lower Upper

225 100

223 203.1 50.4 75.6#

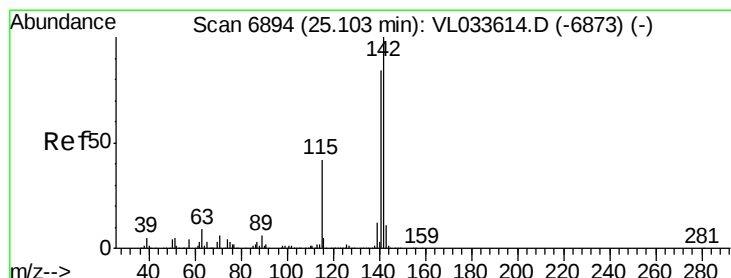
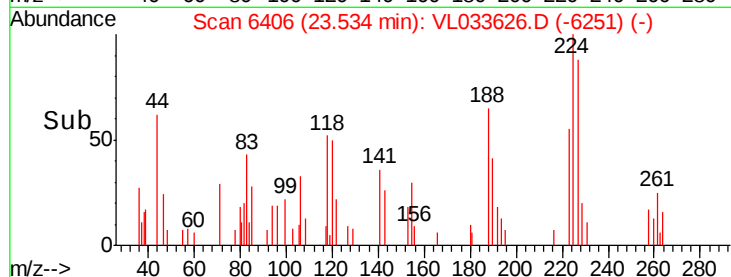
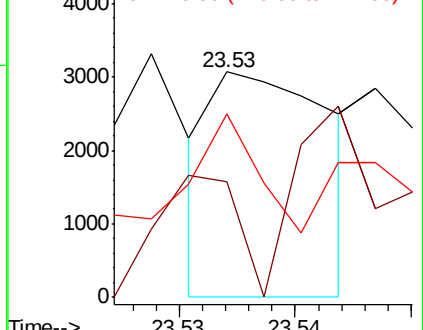
227 215.0 50.7 76.1#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#80

Naphthalene, 2-methyl-

Concen: 0.153 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.01 min

Lab File: VL033626.D

Acq: 2 May 2019 13:39

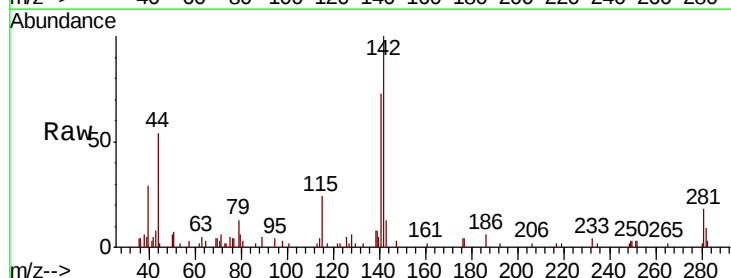
Tgt Ion:142 Resp: 19885

Ion Ratio Lower Upper

142 100

141 84.2 67.3 100.9

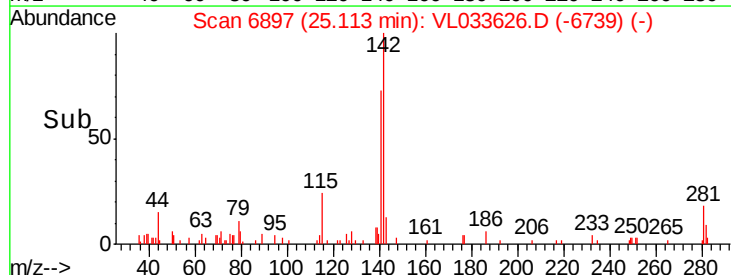
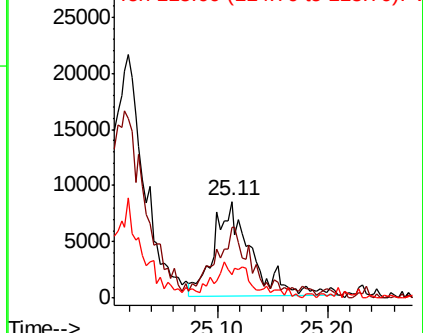
115 37.9 33.8 50.8

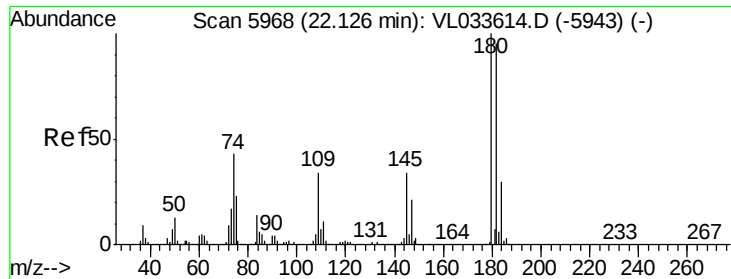


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.016 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. 0.00 min
 Lab File: VL033626.D
 Acq: 2 May 2019 13:39

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042319 CAN 10158

Tgt Ion:180 Resp: 2759
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.2#
 184 0.0 24.5 36.7#

