

Data File : VL033733.D
Acq On : 20 May 2019 20:56
Operator : SY/AP
Sample : CAN 10726
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10726

Quant Time: May 21 01:33:59 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	980192	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2217624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2329348	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1869045	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

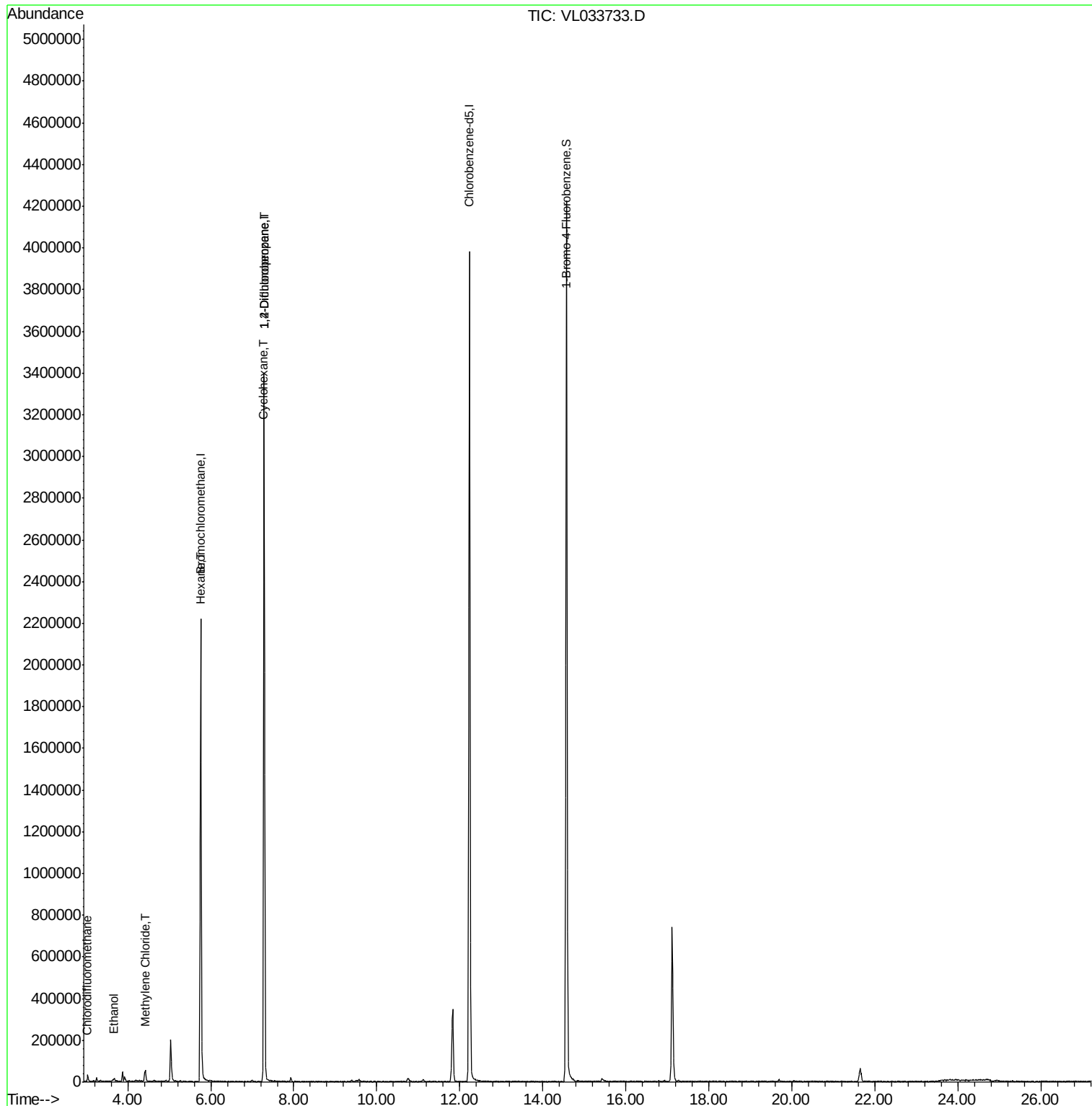
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	2265	0.020	ppbv	94
13) Ethanol	3.66	45	3227	0.209	ppbv #	38
20) Methylene Chloride	4.41	84	9144	0.175	ppbv #	75
26) Hexane	5.77	57	3379	0.033	ppbv #	26
30) Cyclohexane	7.27	84	6073	0.070	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	600336	7.982	ppbv #	24

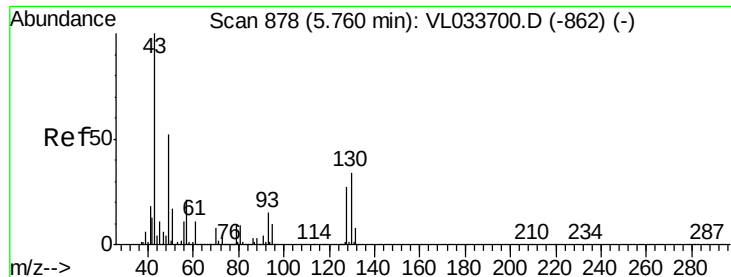
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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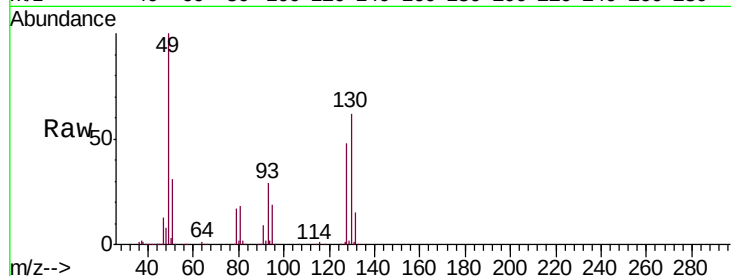
Tgt Ion: 49 Resp: 980192

Ion Ratio Lower Upper

49 100

128 48.7 25.2 75.6

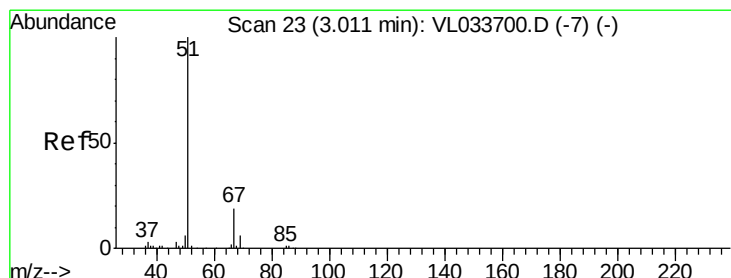
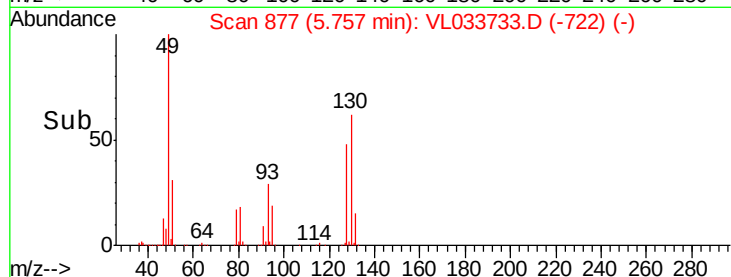
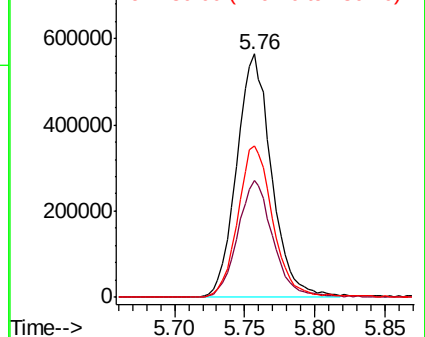
130 62.9 32.5 97.5



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# 24

Delta R.T. 0.00 min

Lab File: VL033733.D

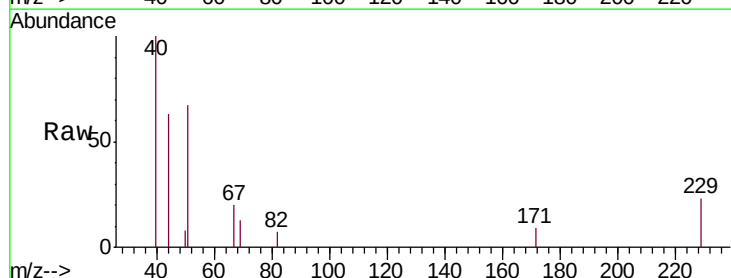
Acq: 20 May 2019 20:56

Tgt Ion: 51 Resp: 2265

Ion Ratio Lower Upper

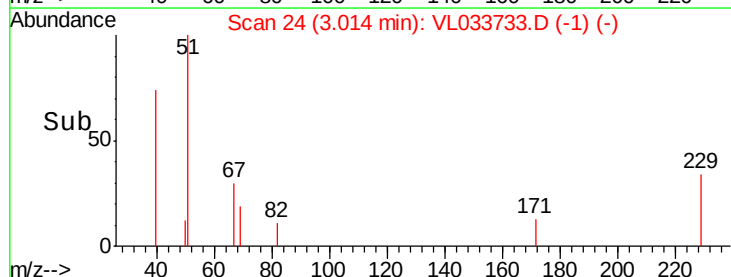
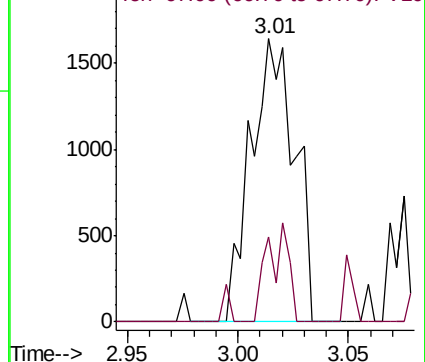
51 100

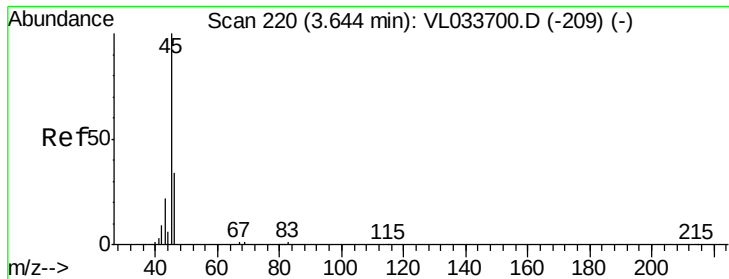
67 16.9 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.209 ppbv

RT: 3.66 min Scan# 225

Delta R.T. 0.02 min

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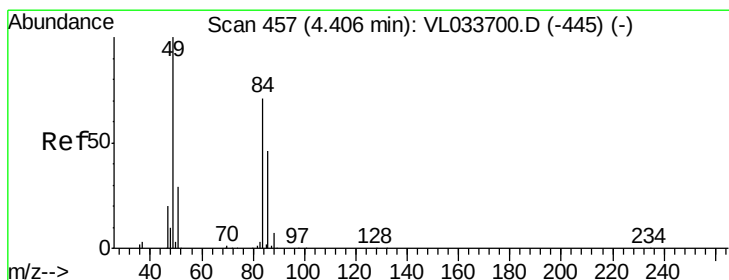
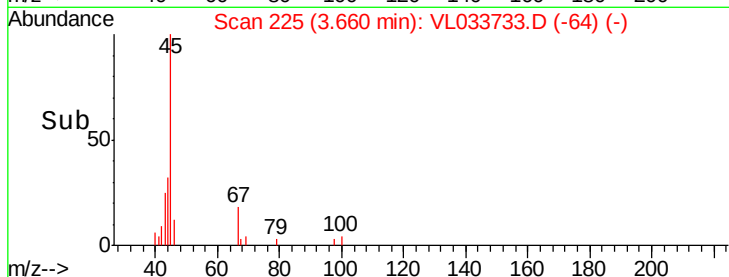
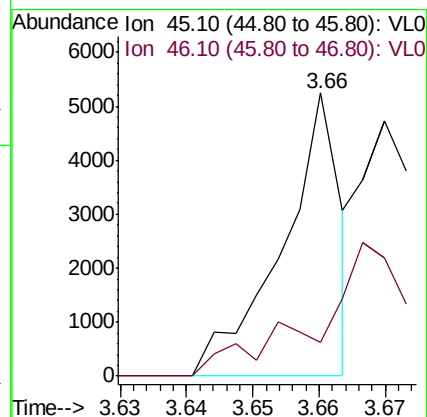
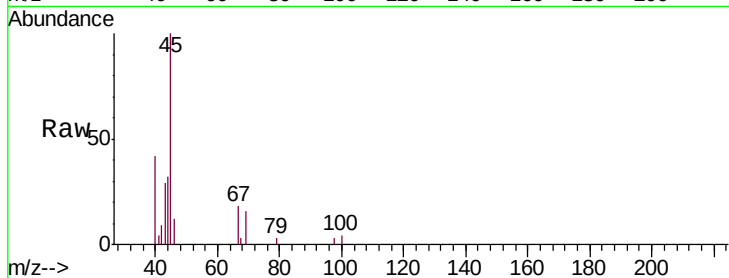
CAN 10726

Tgt Ion: 45 Resp: 3227

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#20

Methylene Chloride

Concen: 0.175 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033733.D

Acq: 20 May 2019 20:56

Tgt Ion: 84 Resp: 9144

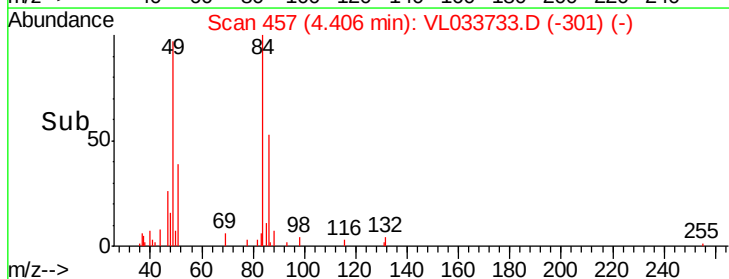
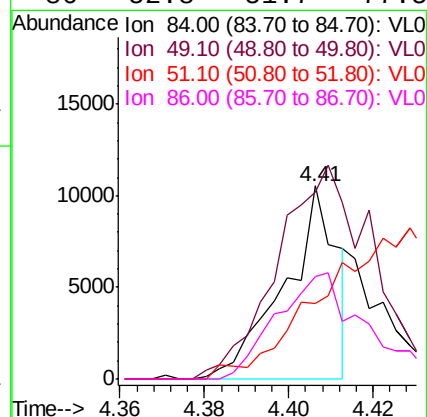
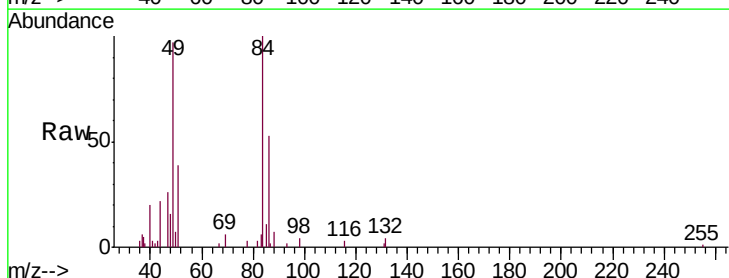
Ion Ratio Lower Upper

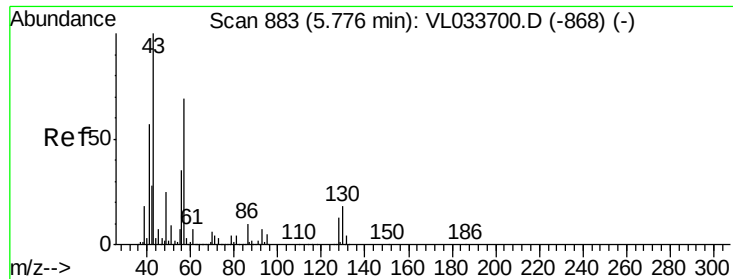
84 100

49 96.6 112.8 169.2#

51 39.3 33.4 50.0

86 52.8 51.7 77.5

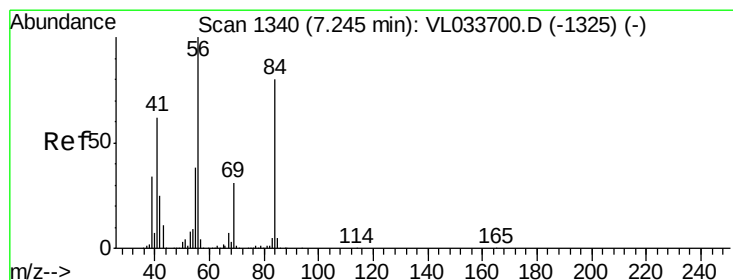
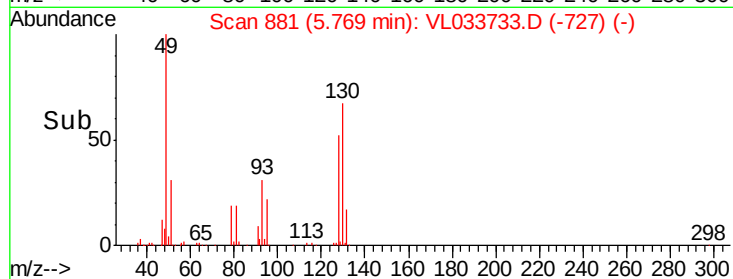
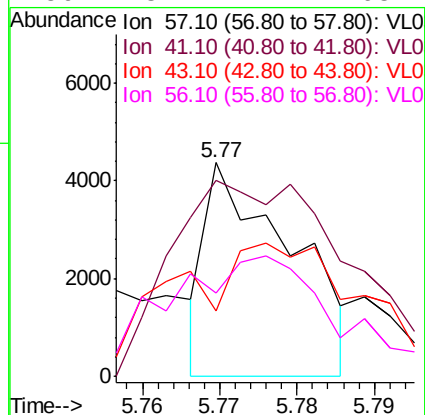
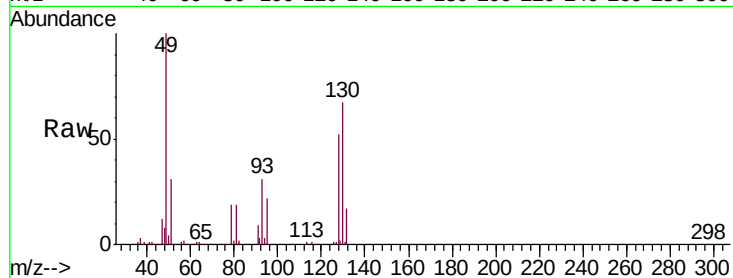




#26
Hexane
Concen: 0.033 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
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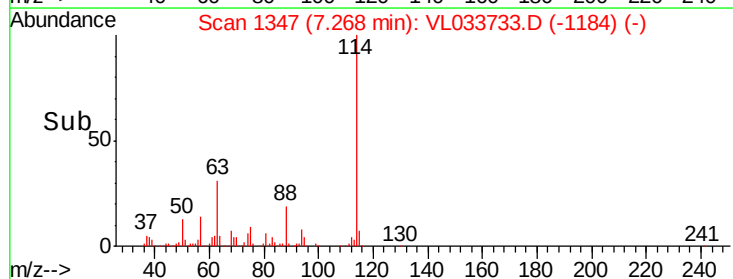
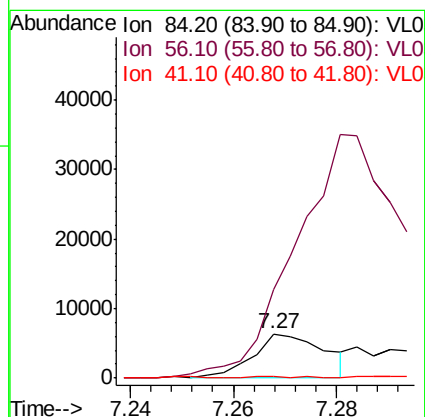
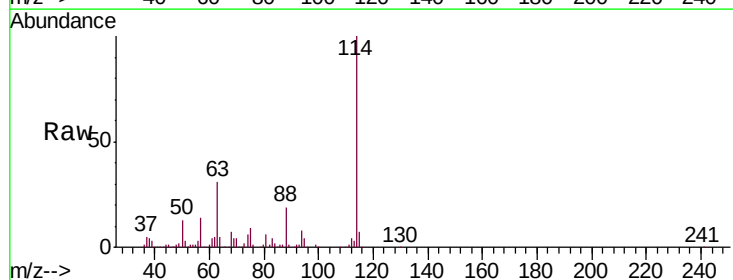
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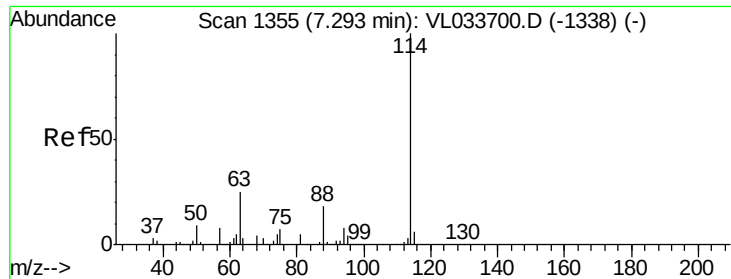
Tgt Ion: 57 Resp: 3379
Ion Ratio Lower Upper
57 100
41 206.5 69.8 104.6#
43 148.1 181.8 272.6#
56 118.4 42.1 63.1#



#30
Cyclohexane
Concen: 0.070 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.02 min
Lab File: VL033733.D
Acq: 20 May 2019 20:56

Tgt Ion: 84 Resp: 6073
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 2.9 66.0 99.0#

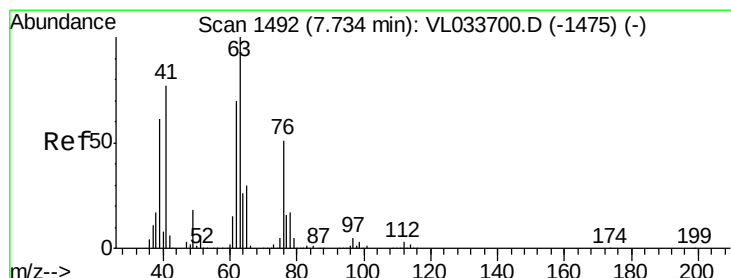
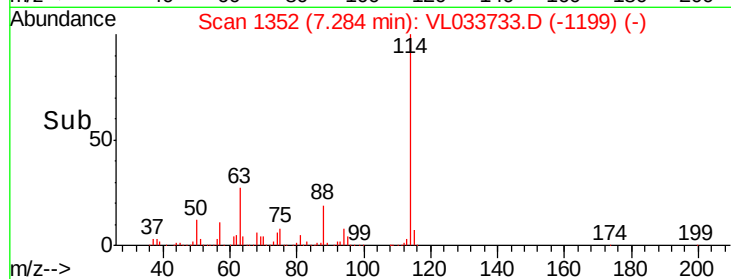
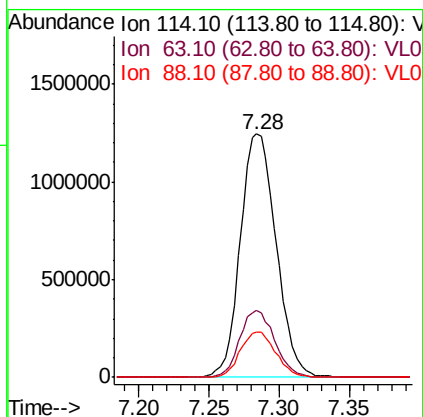
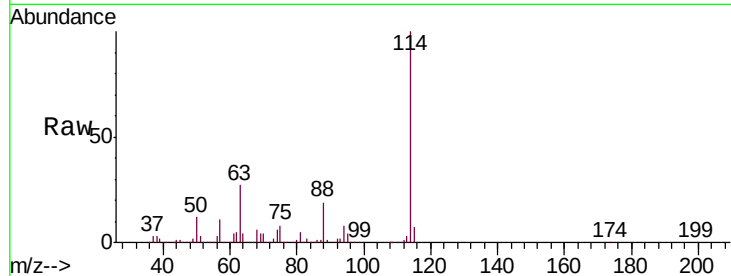




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033733.D
 Acq: 20 May 2019 20:56

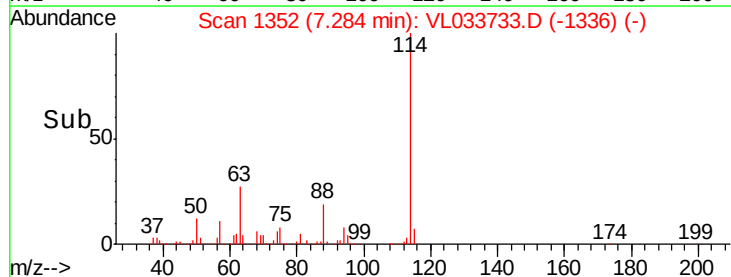
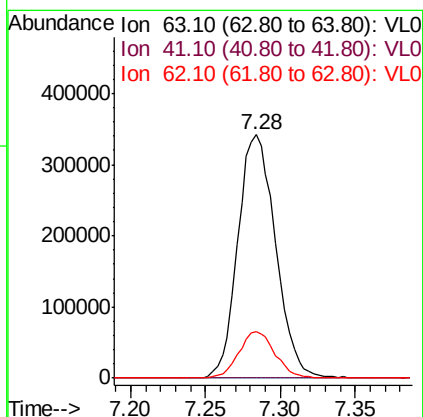
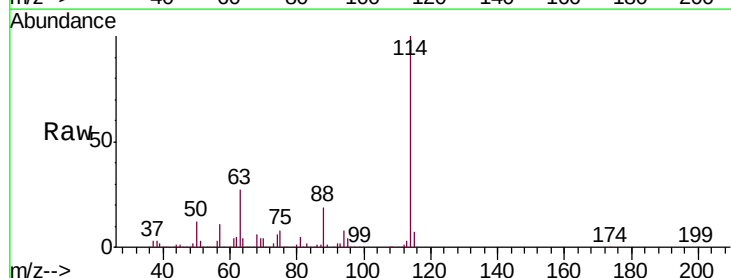
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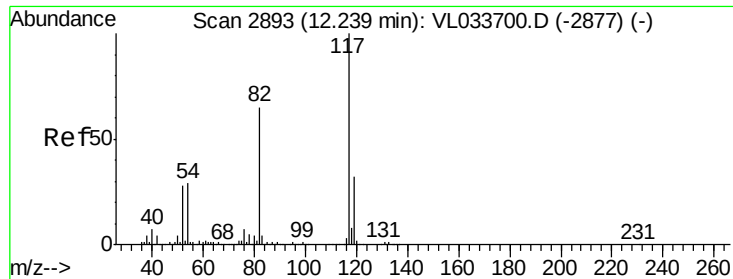
Tgt Ion: 114 Resp: 2217624
 Ion Ratio Lower Upper
 114 100
 63 27.3 20.9 31.3
 88 18.5 14.3 21.5



#39
 1,2-Dichloropropane
 Concen: 7.982 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033733.D
 Acq: 20 May 2019 20:56

Tgt Ion: 63 Resp: 600336
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.5 92.3#
 62 18.9 56.2 84.4#

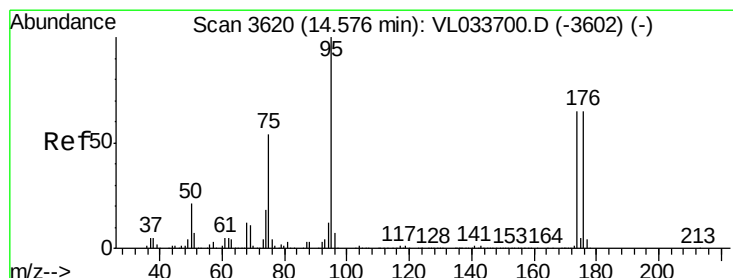
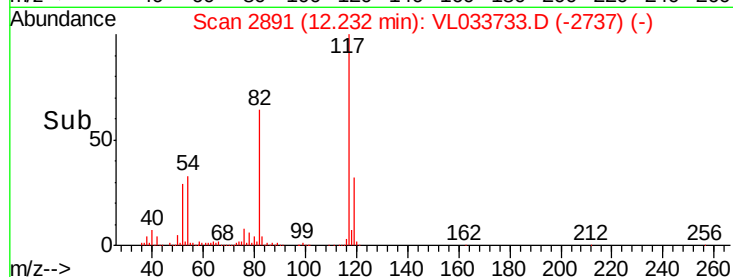
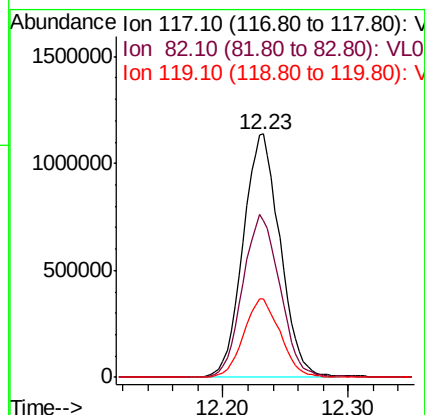
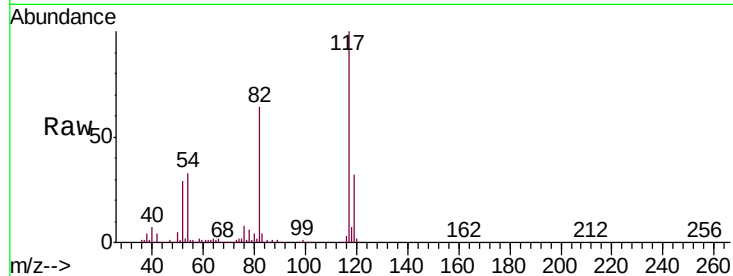




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033733.D
Acq: 20 May 2019 20:56

Instrument :
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ClientSampleId :
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Tgt Ion: 117 Resp: 2329348
Ion Ratio Lower Upper
117 100
82 67.8 49.4 74.0
119 32.3 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.898 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033733.D
Acq: 20 May 2019 20:56

Tgt Ion: 95 Resp: 1869045
Ion Ratio Lower Upper
95 100
174 66.1 53.9 80.9
175 4.6 3.8 5.8

