

Data File : VL035738.D
Acq On : 30 Sep 2020 00:11
Operator : SY/AP
Sample : CAN 10279
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10279

Quant Time: Sep 30 02:43:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1108928	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.21	114	3974760	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	4154731	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3104993	9.97	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

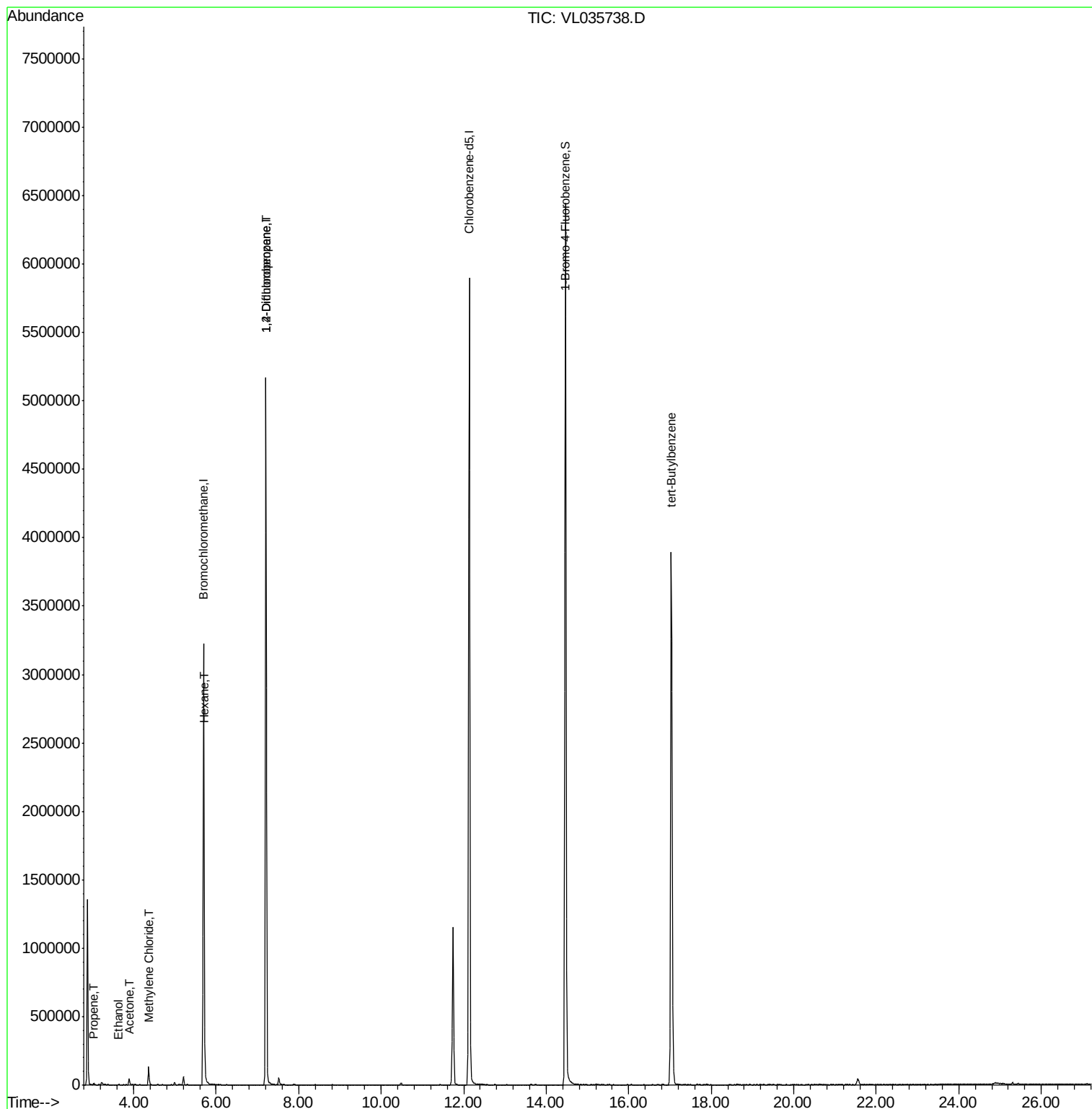
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	2027	0.047	ppbv #	15
13) Ethanol	3.63	45	857	0.080	ppbv #	38
15) Acetone	3.89	43	31743	0.266	ppbv #	33
20) Methylene Chloride	4.37	84	59103	0.674	ppbv	96
26) Hexane	5.71	57	7510	0.064	ppbv #	47
39) 1,2-Dichloropropane	7.21	63	796620	8.486	ppbv #	31
65) tert-Butylbenzene	17.03	119	75094	0.145	ppbv #	14

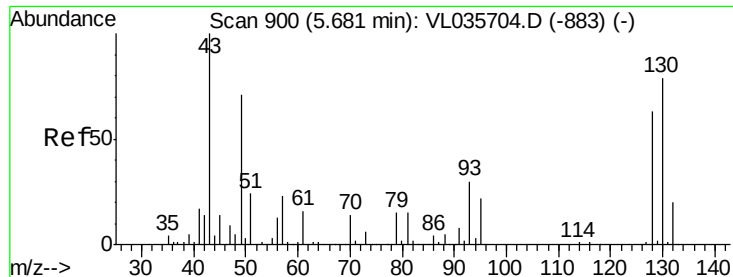
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

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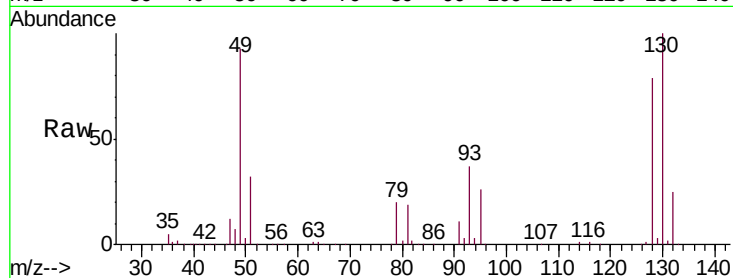
Tgt Ion: 49 Resp: 1108928

Ion Ratio Lower Upper

49 100

128 83.3 43.1 129.4

130 107.3 54.9 164.7



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

800000

600000

400000

200000

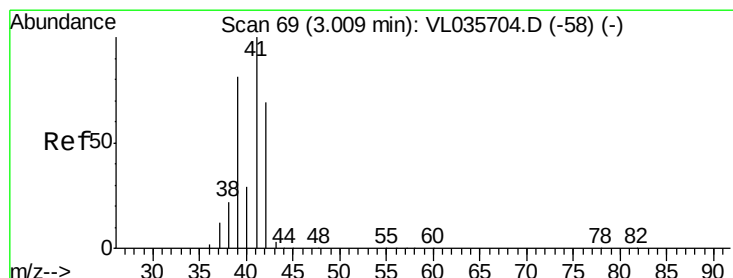
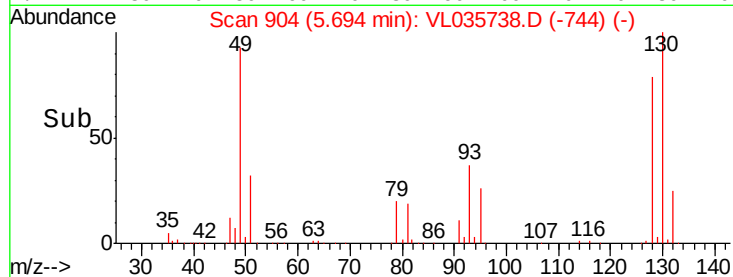
0

5.60

5.70

5.80

Time-->



#9

Propene

Concen: 0.047 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL035738.D

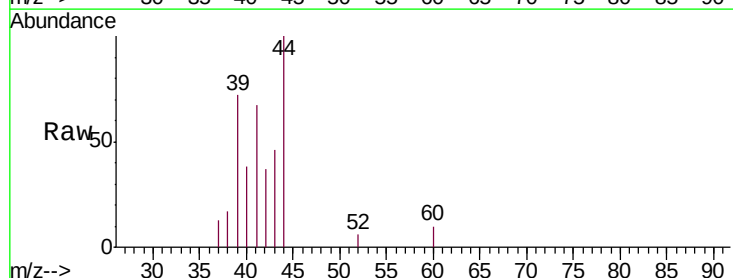
Acq: 30 Sep 2020 00:11

Tgt Ion: 41 Resp: 2027

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2500

2000

1500

1000

500

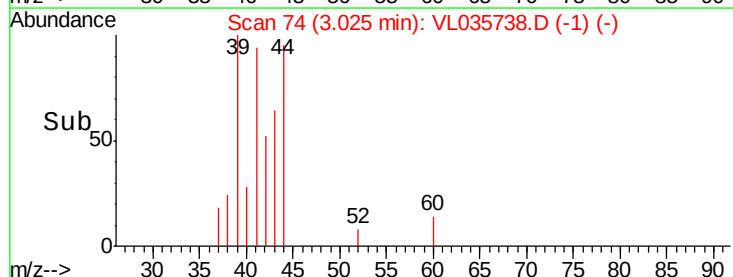
0

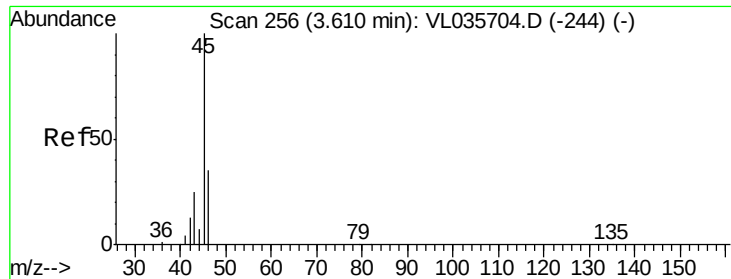
3.00

3.02

3.04

Time-->

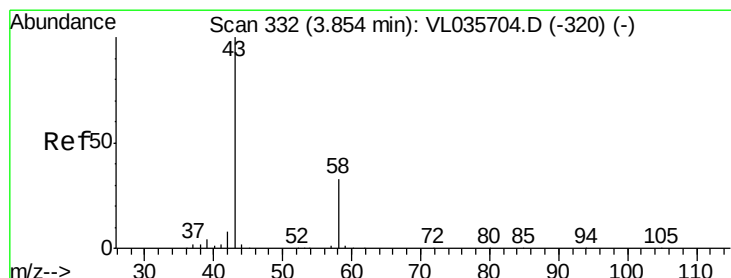
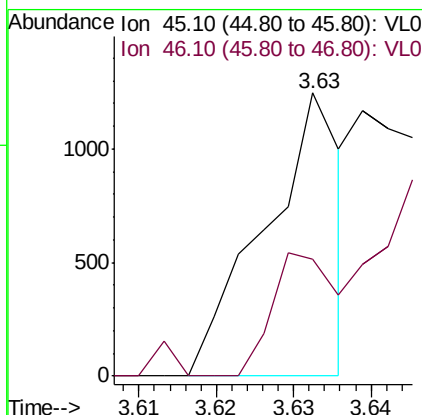
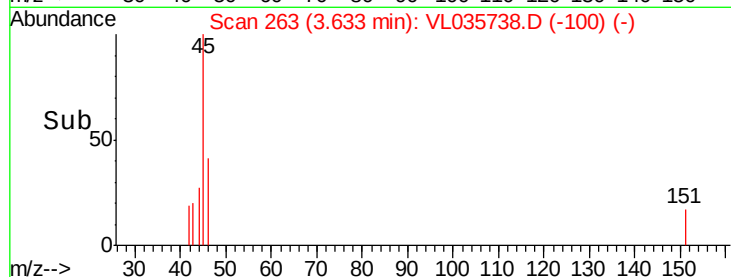
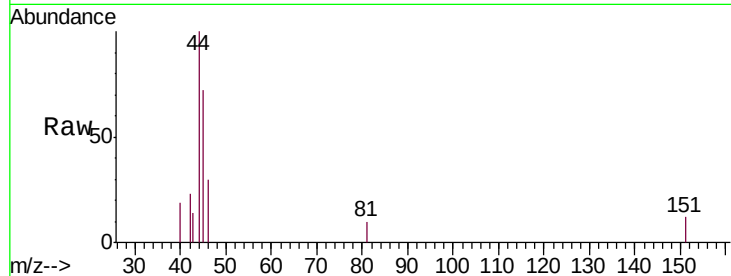




#13
Ethanol
Concen: 0.080 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.02 min
Lab File: VL035738.D
Acq: 30 Sep 2020 00:11

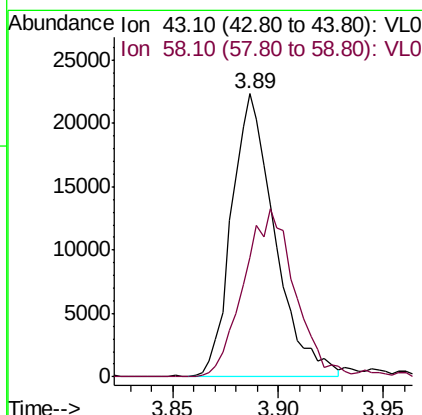
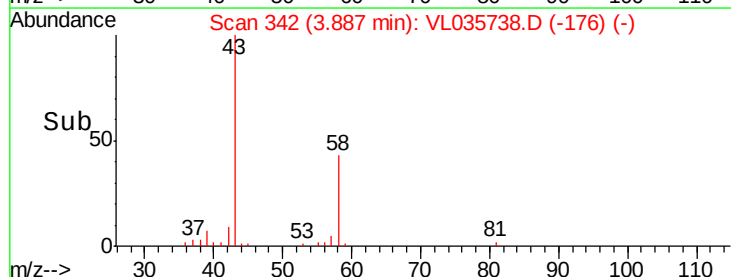
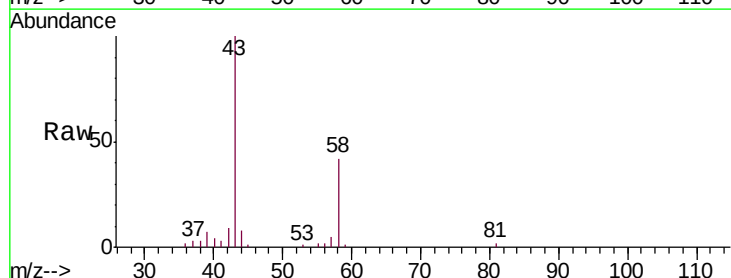
Instrument :
MSVOA_L
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CAN 10279

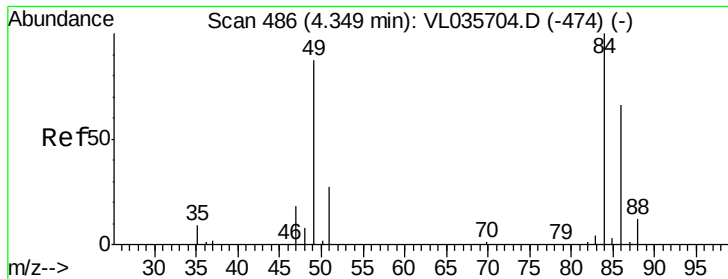
Tgt Ion: 45 Resp: 857
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.7#



#15
Acetone
Concen: 0.266 ppbv
RT: 3.89 min Scan# 342
Delta R.T. 0.03 min
Lab File: VL035738.D
Acq: 30 Sep 2020 00:11

Tgt Ion: 43 Resp: 31743
Ion Ratio Lower Upper
43 100
58 72.6 27.3 40.9#

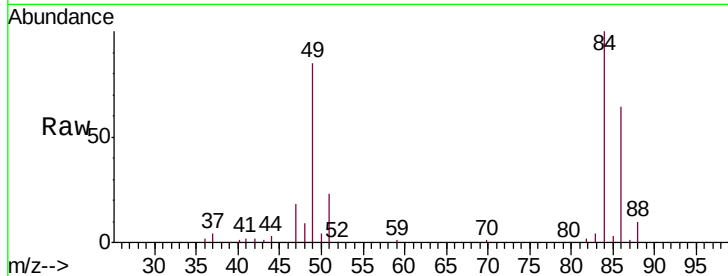




#20
Methylene Chloride
Concen: 0.674 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.02 min
Lab File: VL035738.D
Acq: 30 Sep 2020 00:11

Instrument :
MSVOA_L
ClientSampleId :
CAN 10279

Tgt Ion: 84 Resp: 59103
Ion Ratio Lower Upper
84 100
49 84.5 69.8 104.6
51 22.9 21.8 32.8
86 63.1 52.6 78.8



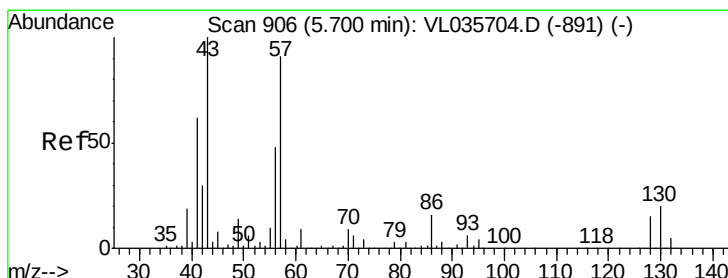
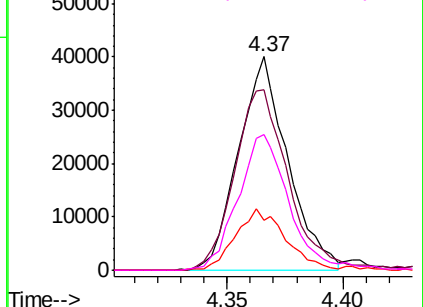
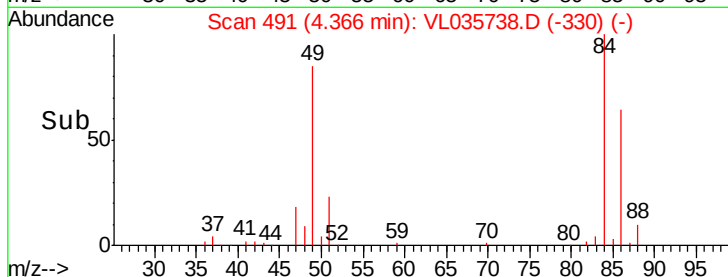
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

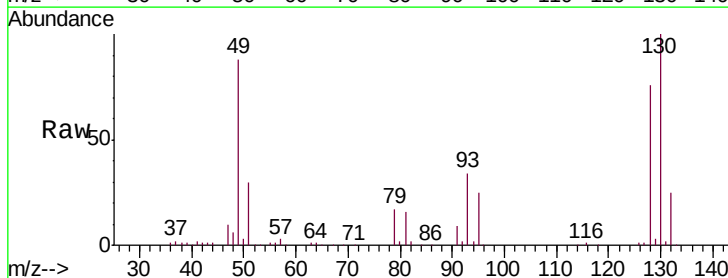
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26
Hexane
Concen: 0.064 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL035738.D
Acq: 30 Sep 2020 00:11

Tgt Ion: 57 Resp: 7510
Ion Ratio Lower Upper
57 100
41 91.8 57.9 86.9#
43 69.9 143.8 215.6#
56 60.1 43.0 64.6



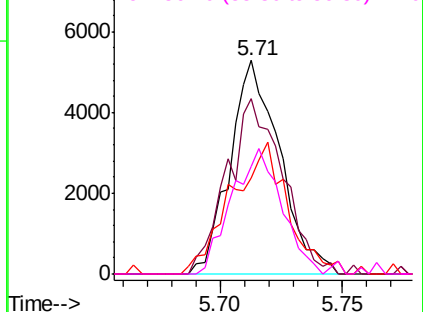
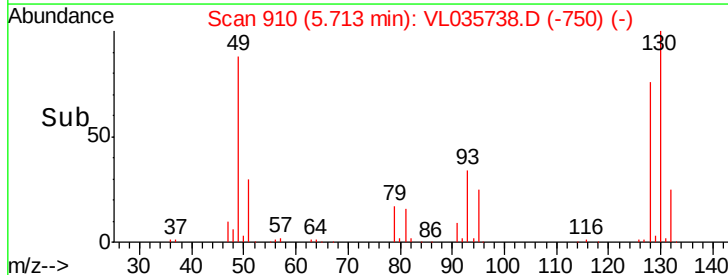
Abundance

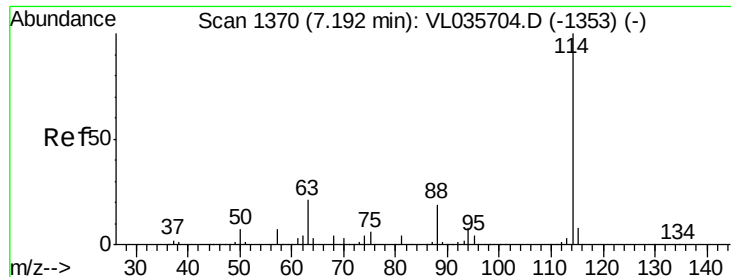
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

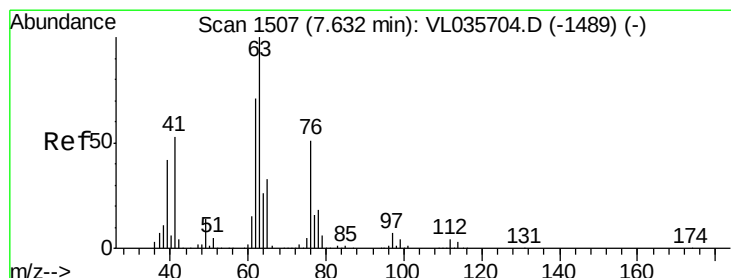
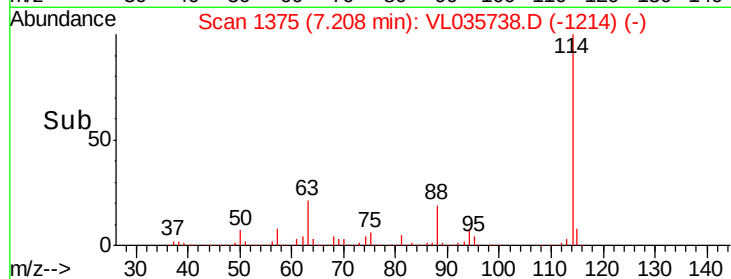
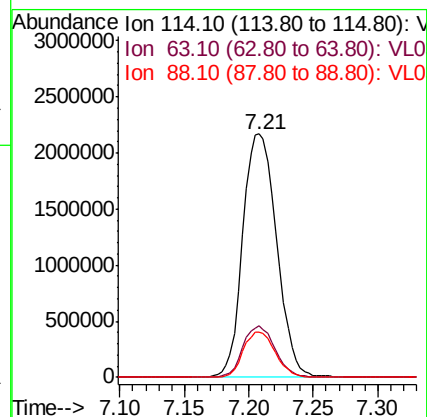
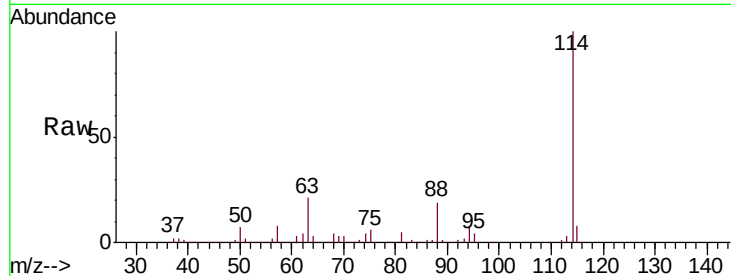




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.02 min
 Lab File: VL035738.D
 Acq: 30 Sep 2020 00:11

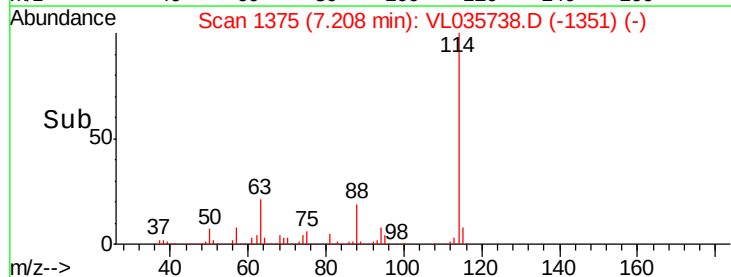
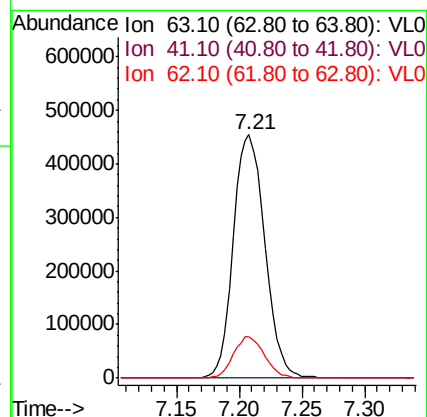
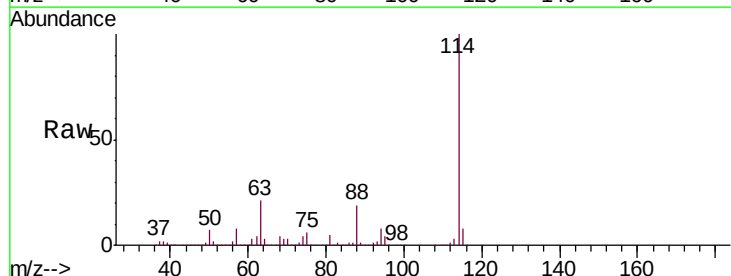
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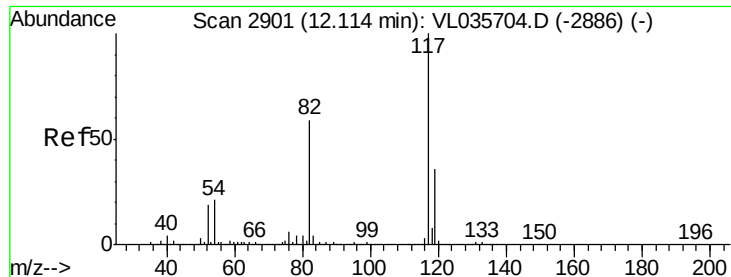
Tgt Ion:114 Resp: 3974760
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.7 14.1 21.1



#39
 1,2-Dichloropropane
 Concen: 8.486 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.42 min
 Lab File: VL035738.D
 Acq: 30 Sep 2020 00:11

Tgt Ion: 63 Resp: 796620
 Ion Ratio Lower Upper
 63 100
 41 0.0 42.6 63.8#
 62 16.8 56.5 84.7#

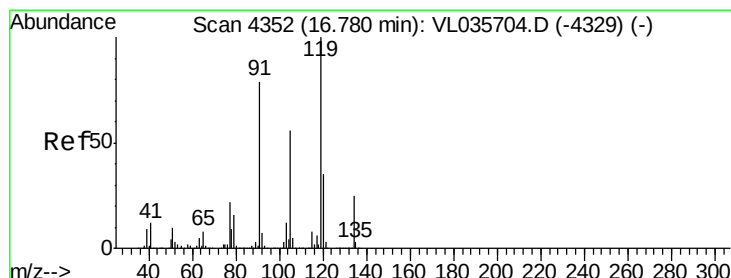
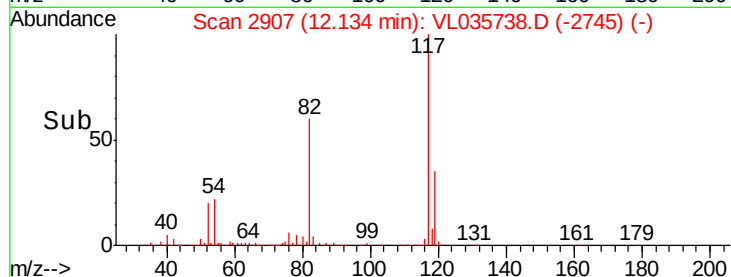
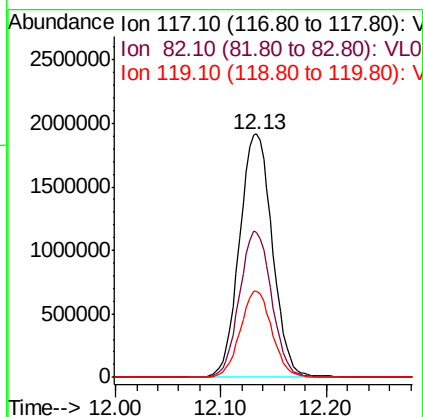
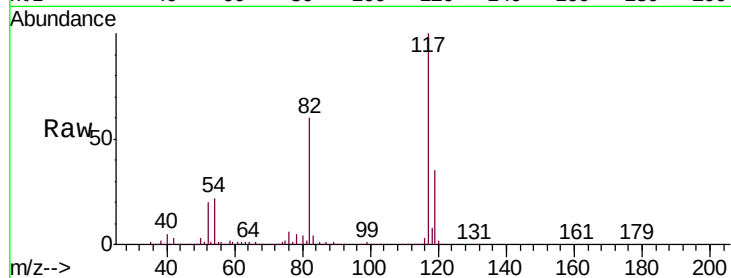




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL035738.D
Acq: 30 Sep 2020 00:11

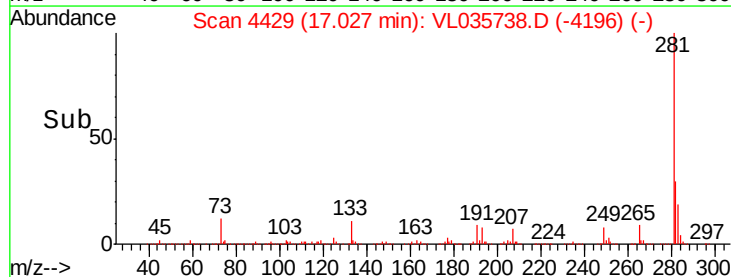
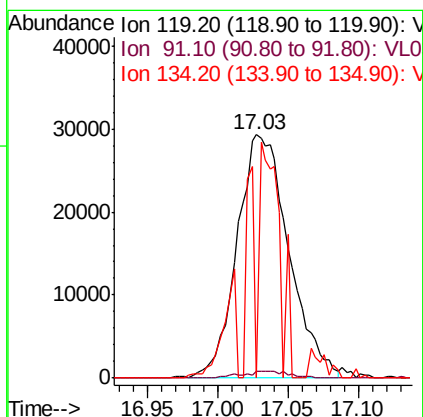
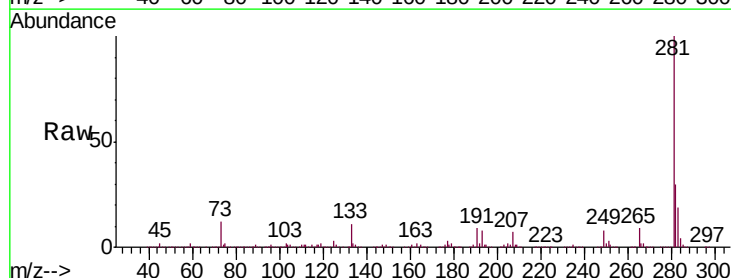
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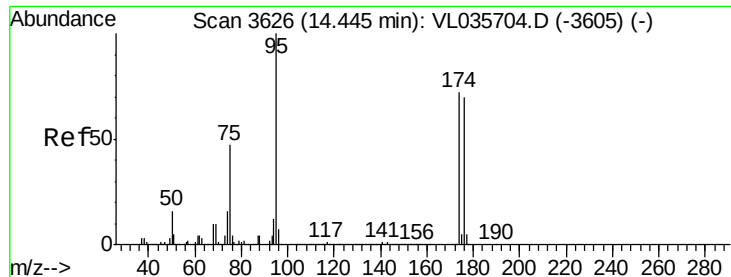
Tgt Ion:117 Resp: 4154731
Ion Ratio Lower Upper
117 100
82 59.3 46.1 69.1
119 34.4 28.0 42.0



#65
tert-Butylbenzene
Concen: 0.145 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.25 min
Lab File: VL035738.D
Acq: 30 Sep 2020 00:11

Tgt Ion:119 Resp: 75094
Ion Ratio Lower Upper
119 100
91 2.6 62.4 93.6#
134 63.6 18.2 27.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.973 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.02 min

Lab File: VL035738.D

Acq: 30 Sep 2020 00:11

Instrument :

MSVOA_L

ClientSampleId :

CAN 10279

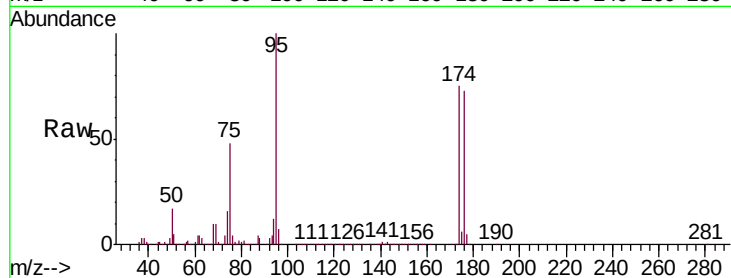
Tgt Ion: 95 Resp: 3104993

Ion Ratio Lower Upper

95 100

174 76.5 59.6 89.4

175 5.5 4.2 6.4



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

