

Data File : VL035737.D
Acq On : 29 Sep 2020 23:30
Operator : SY/AP
Sample : CAN 10281
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10281

Quant Time: Sep 30 02:43:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1088514	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.21	114	3928013	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	3918290	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2975495	10.13	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

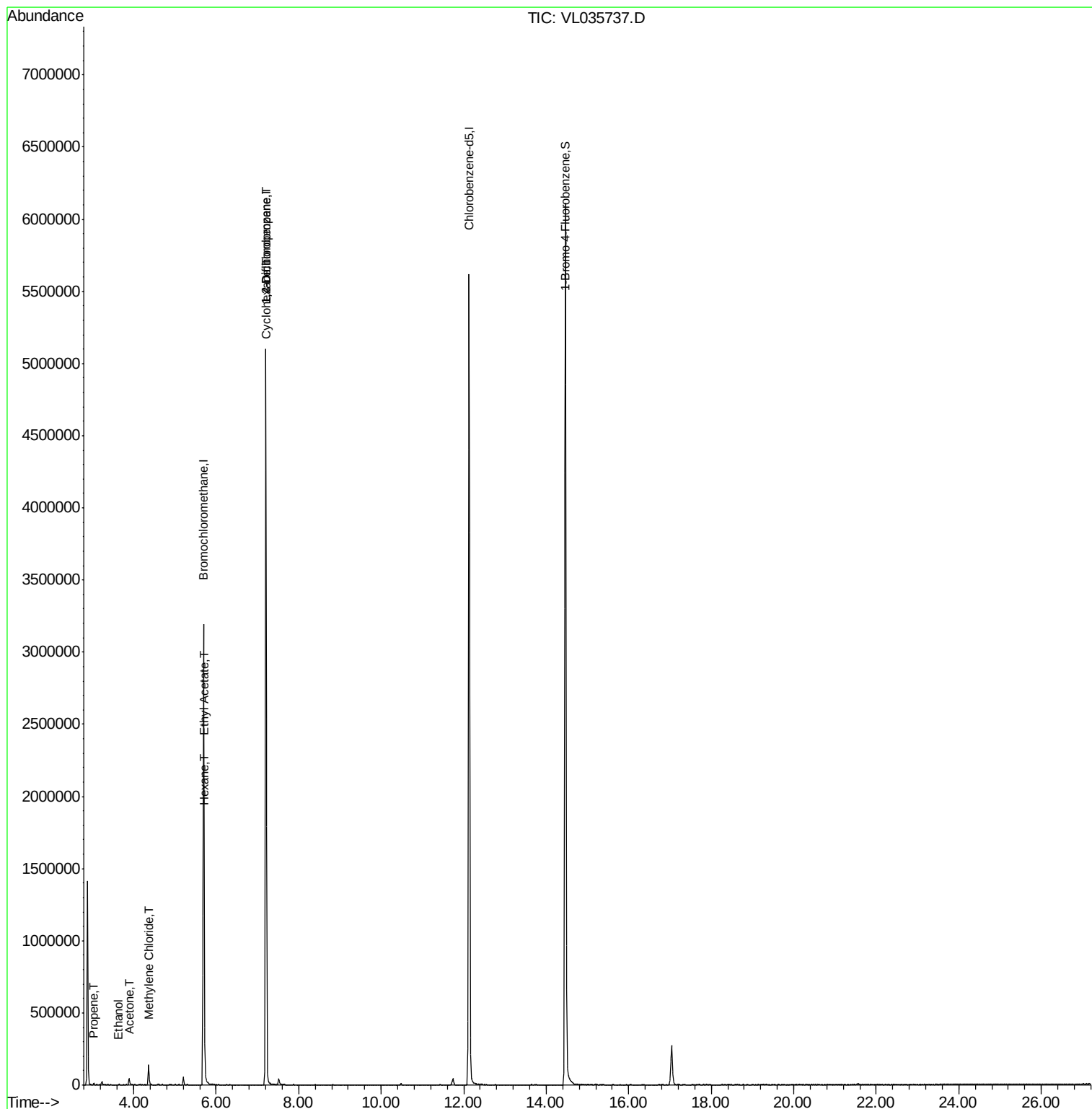
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.03	41	1968	0.046	ppbv #	52
13) Ethanol	3.63	45	757	0.072	ppbv #	38
15) Acetone	3.89	43	29846	0.255	ppbv #	38
20) Methylene Chloride	4.36	84	60328	0.701	ppbv	96
25) Ethyl Acetate	5.71	43	7556	0.036	ppbv #	74
26) Hexane	5.72	57	11410	0.099	ppbv #	47
30) Cyclohexane	7.19	84	6194	0.054	ppbv #	7
39) 1,2-Dichloropropane	7.20	63	785492	8.467	ppbv #	30

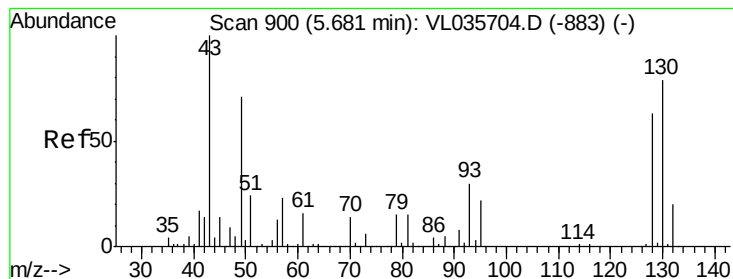
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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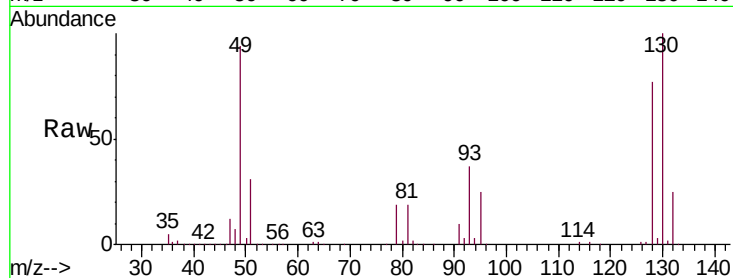
Tgt Ion: 49 Resp: 1088514

Ion Ratio Lower Upper

49 100

128 83.5 43.1 129.4

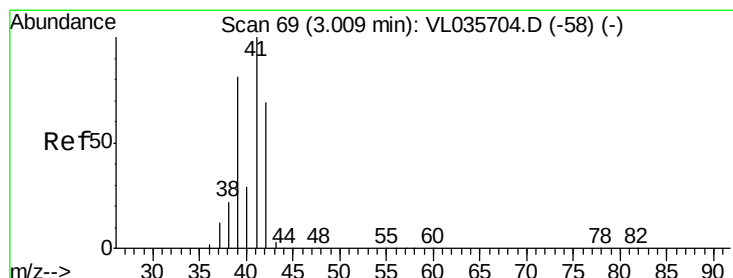
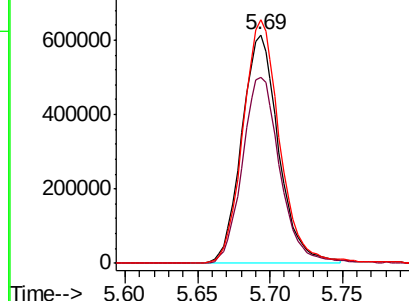
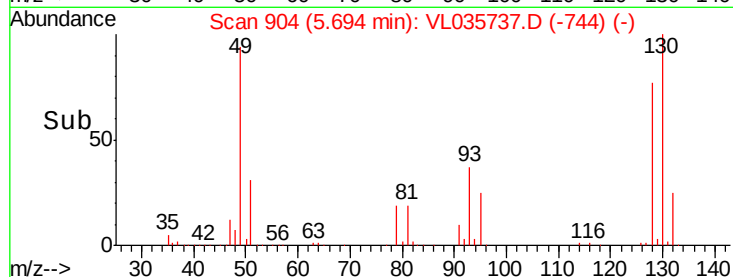
130 107.3 54.9 164.7



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



#9

Propene

Concen: 0.046 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL035737.D

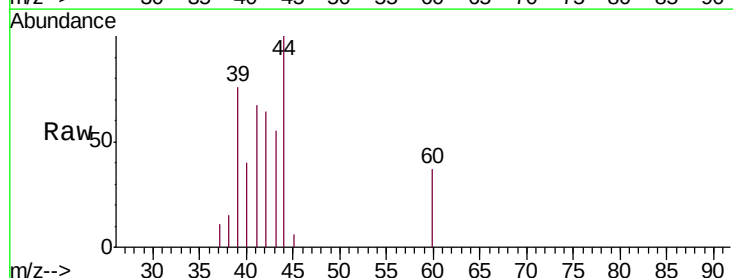
Acq: 29 Sep 2020 23:30

Tgt Ion: 41 Resp: 1968

Ion Ratio Lower Upper

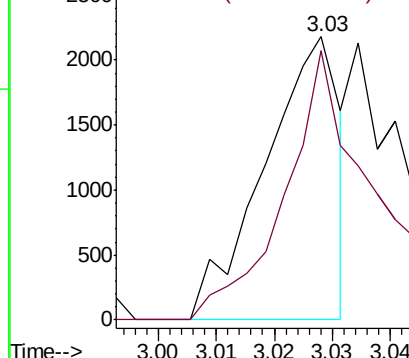
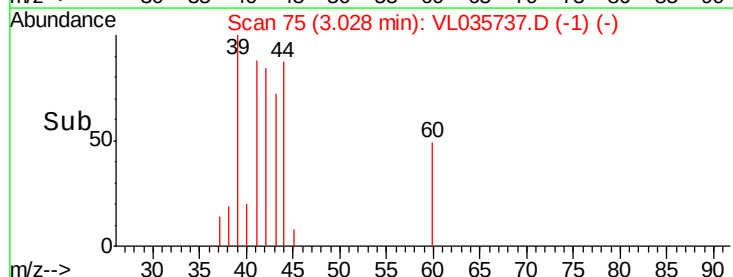
41 100

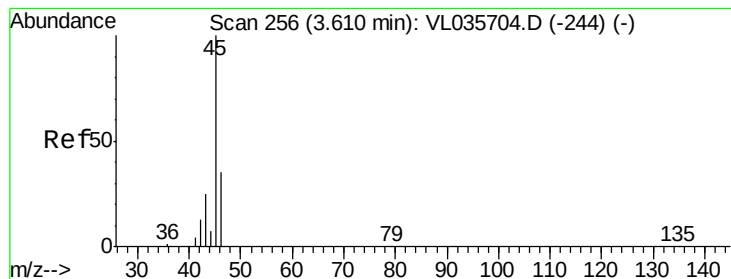
42 110.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.072 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.02 min

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MSVOA_L

ClientSampleId :

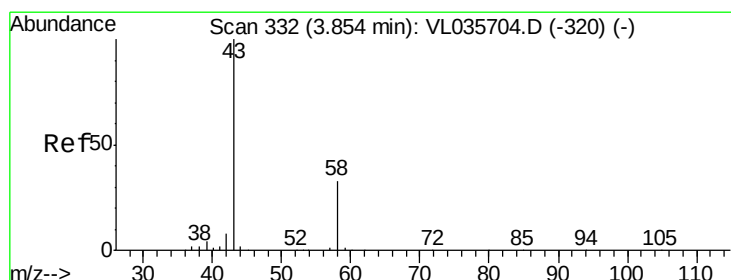
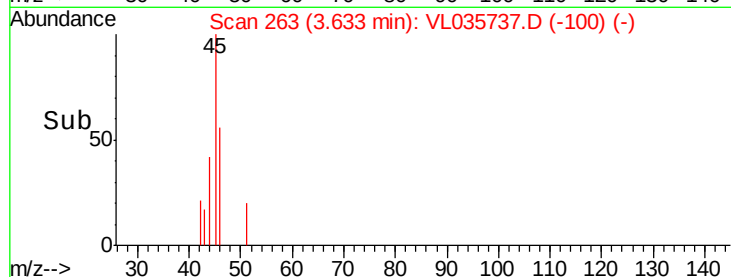
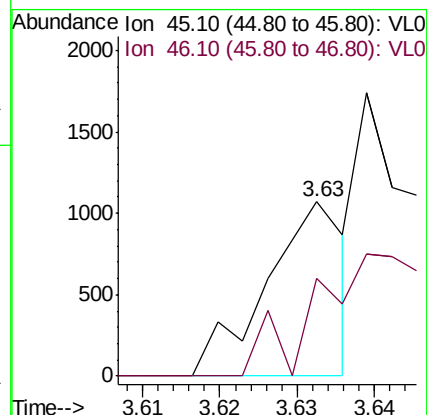
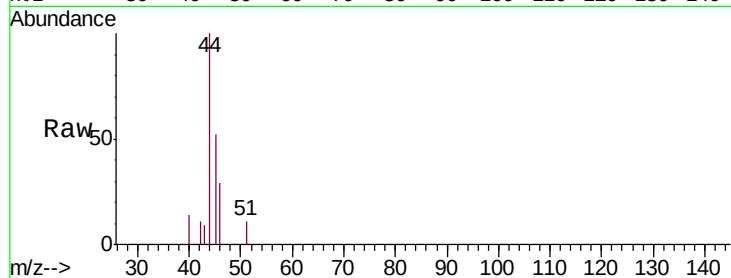
CAN 10281

Tgt Ion: 45 Resp: 757

Ion Ratio Lower Upper

45 100

46 0.0 14.7 58.7#



#15

Acetone

Concen: 0.255 ppbv

RT: 3.89 min Scan# 342

Delta R.T. 0.03 min

Lab File: VL035737.D

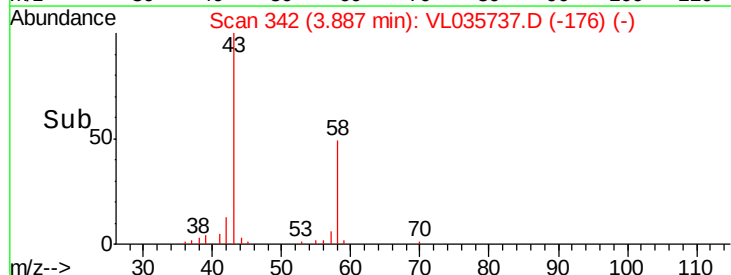
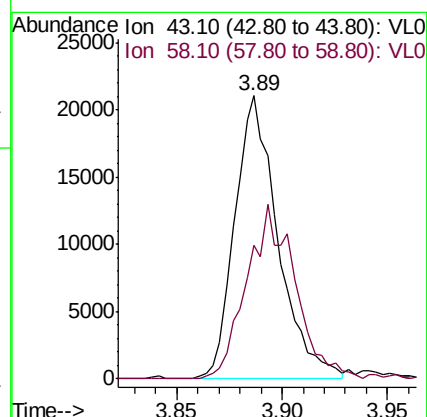
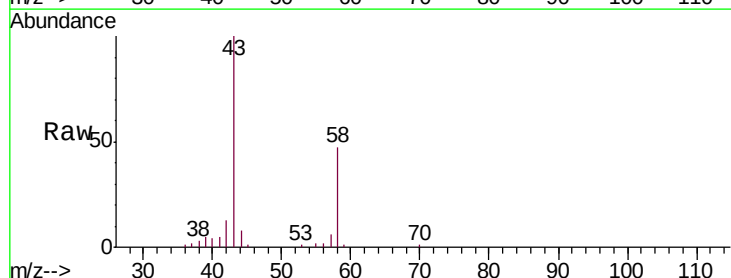
Acq: 29 Sep 2020 23:30

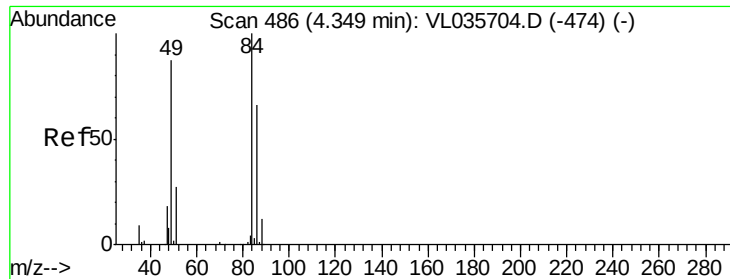
Tgt Ion: 43 Resp: 29846

Ion Ratio Lower Upper

43 100

58 69.7 27.3 40.9#

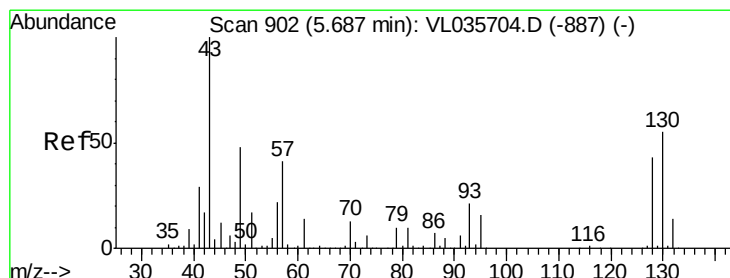
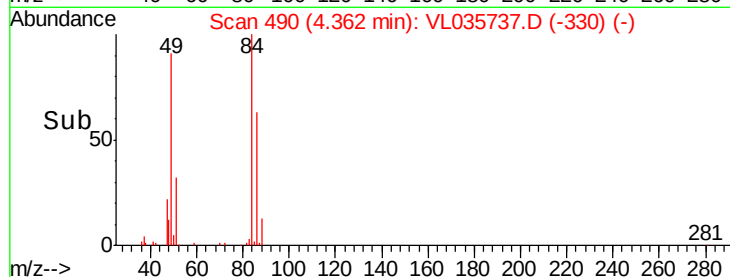
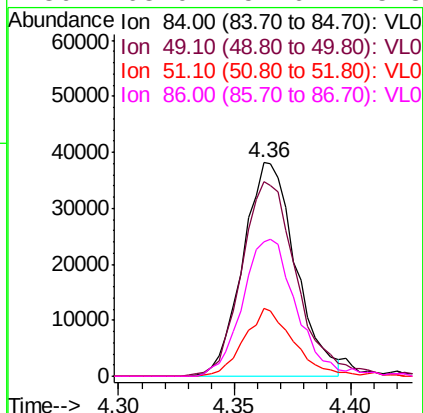
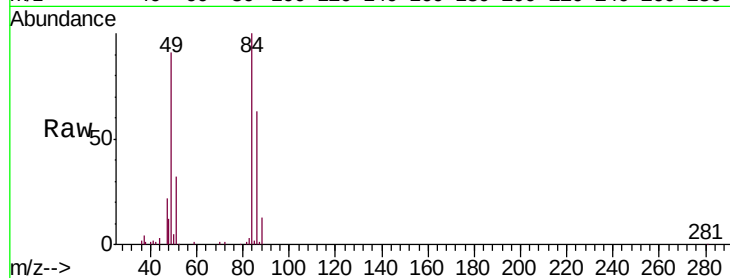




#20
Methylene Chloride
Concen: 0.701 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.01 min
Lab File: VL035737.D
Acq: 29 Sep 2020 23:30

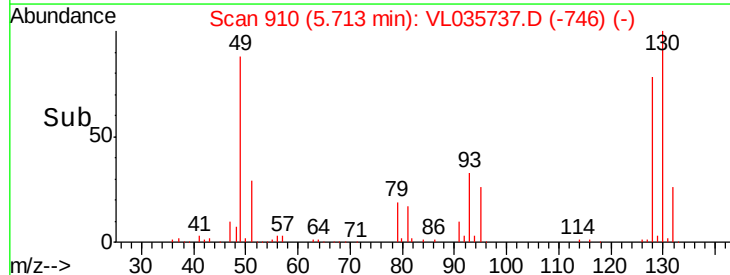
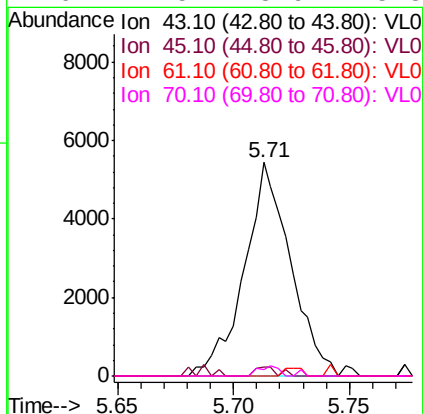
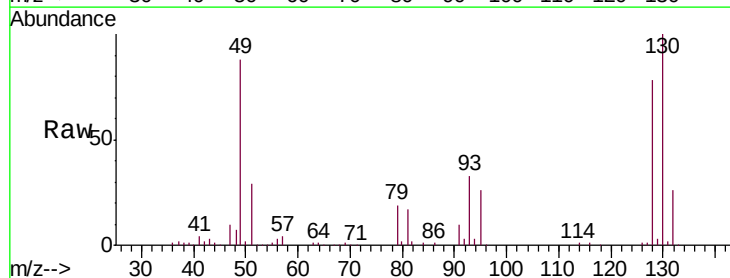
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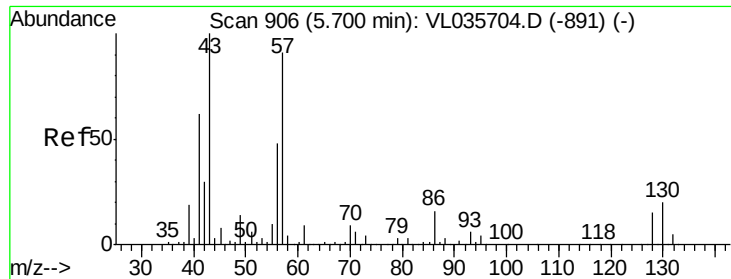
Tgt Ion:	84	Resp:	60328
Ion	Ratio	Lower	Upper
84	100		
49	90.6	69.8	104.6
51	31.7	21.8	32.8
86	63.0	52.6	78.8



#25
Ethyl Acetate
Concen: 0.036 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.03 min
Lab File: VL035737.D
Acq: 29 Sep 2020 23:30

Tgt Ion:	43	Resp:	7556
Ion	Ratio	Lower	Upper
43	100		
45	2.1	8.6	12.8#
61	0.0	10.4	15.6#
70	2.5	8.9	13.3#

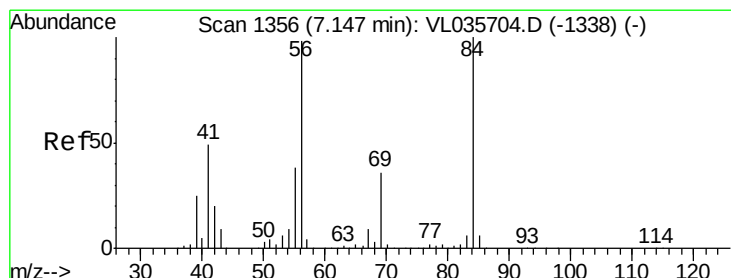
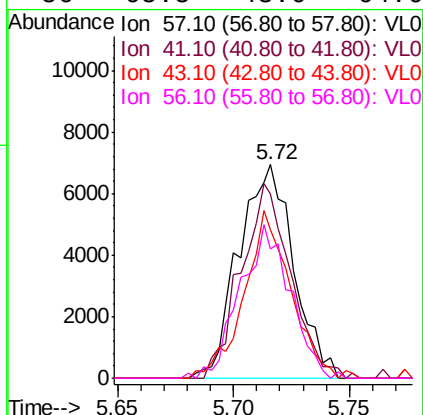
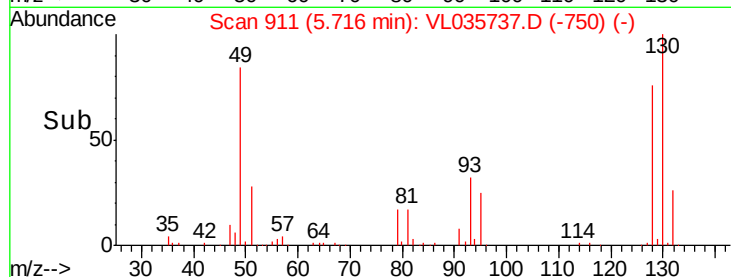
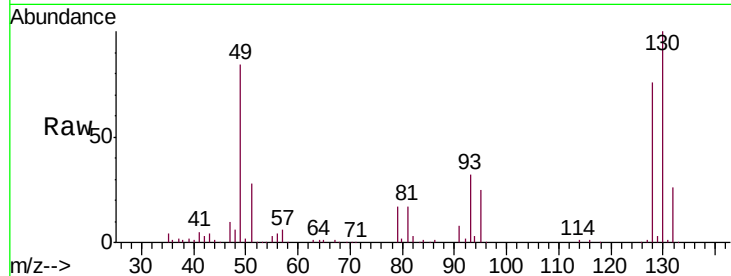




#26
Hexane
Concen: 0.099 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.02 min
Lab File: VL035737.D
Acq: 29 Sep 2020 23:30

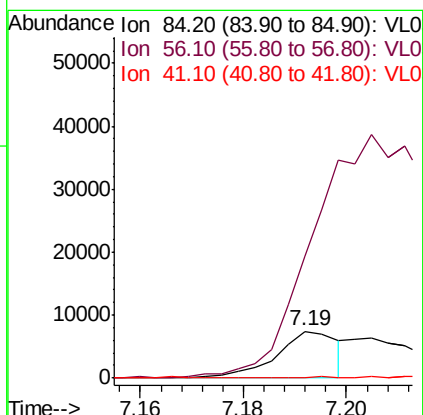
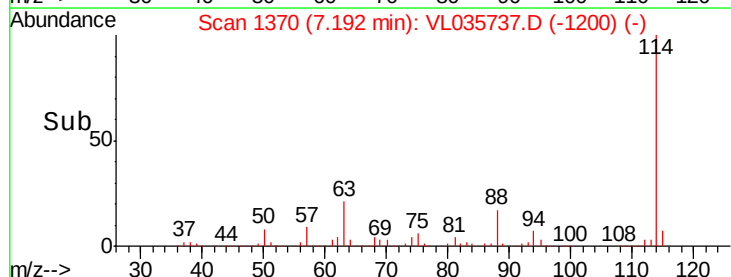
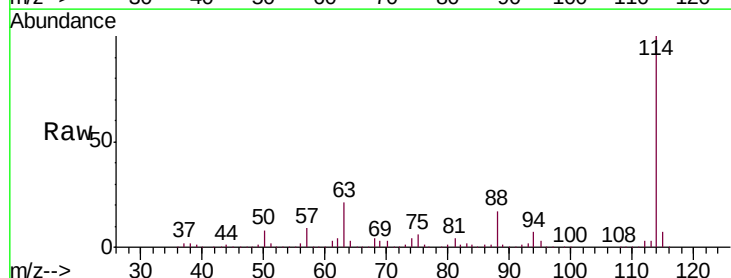
Instrument :
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ClientSampleId :
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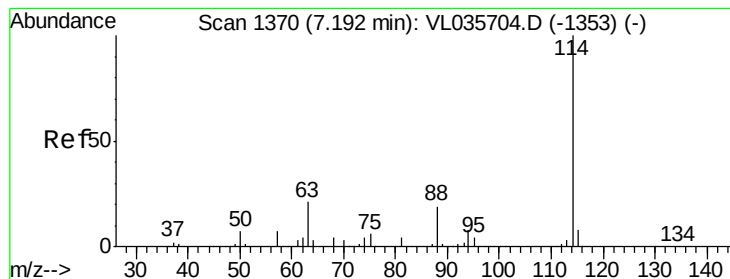
Tgt Ion:	57	Resp:	11410
Ion	Ratio	Lower	Upper
57	100		
41	83.1	57.9	86.9
43	67.0	143.8	215.6#
56	65.5	43.0	64.6#



#30
Cyclohexane
Concen: 0.054 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.05 min
Lab File: VL035737.D
Acq: 29 Sep 2020 23:30

Tgt Ion:	84	Resp:	6194
Ion	Ratio	Lower	Upper
84	100		
56	0.0	84.6	127.0#
41	0.0	41.1	61.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. 0.02 min

Lab File: VL035737.D

Acq: 29 Sep 2020 23:30

Instrument :

MSVOA_L

ClientSampled :

CAN 10281

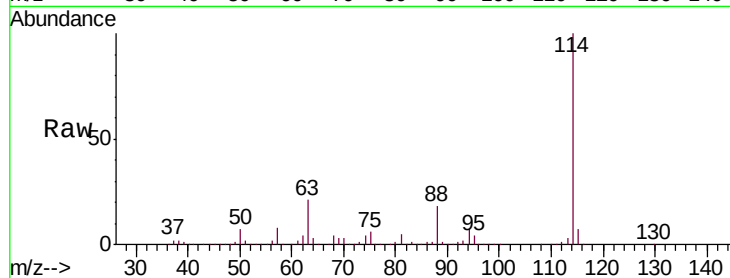
Tgt Ion:114 Resp: 3928013

Ion Ratio Lower Upper

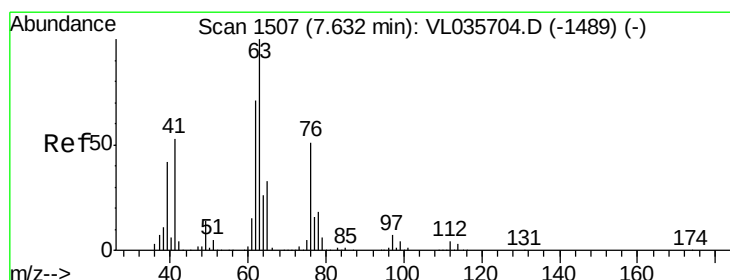
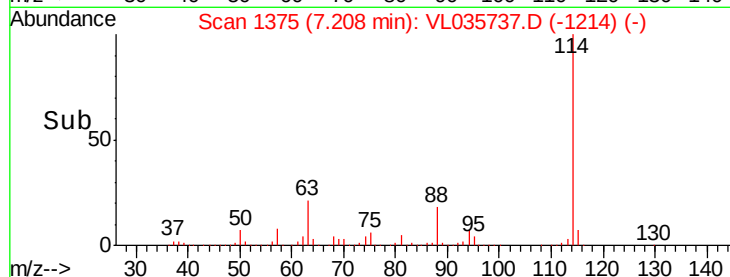
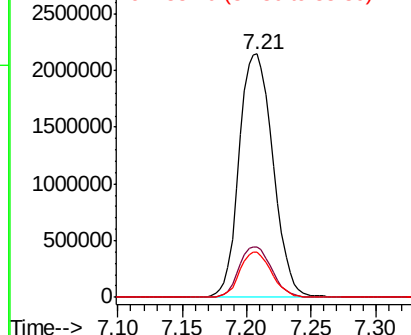
114 100

63 20.0 16.1 24.1

88 17.5 14.1 21.1



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: 8.467 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.43 min

Lab File: VL035737.D

Acq: 29 Sep 2020 23:30

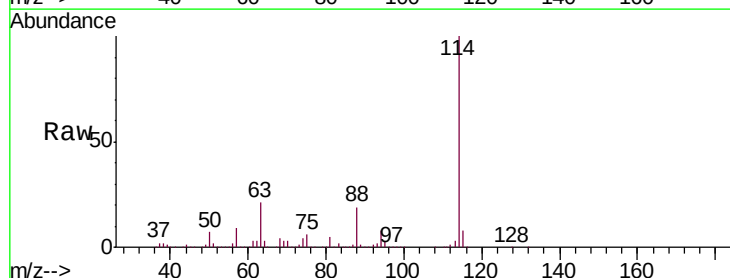
Tgt Ion: 63 Resp: 785492

Ion Ratio Lower Upper

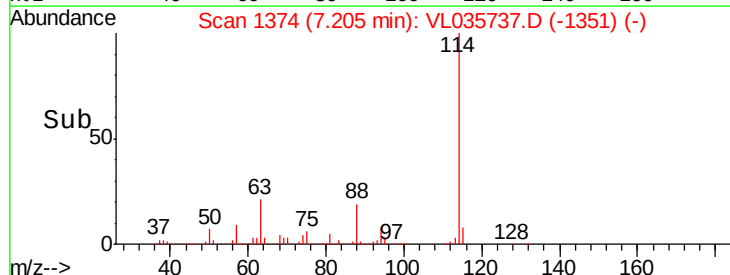
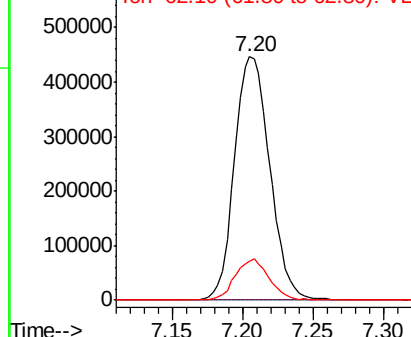
63 100

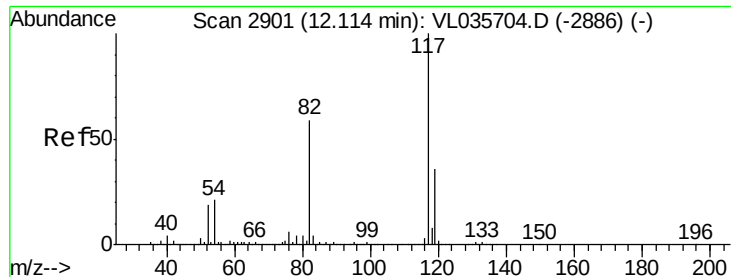
41 0.0 42.6 63.8#

62 15.7 56.5 84.7#



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

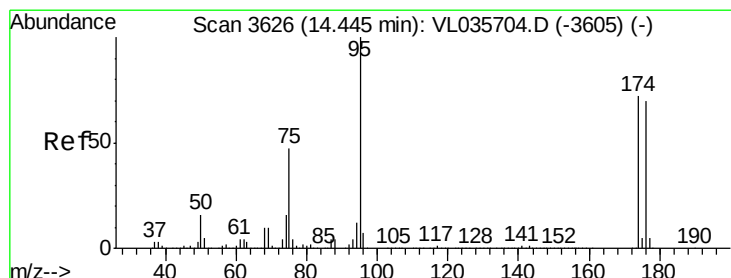
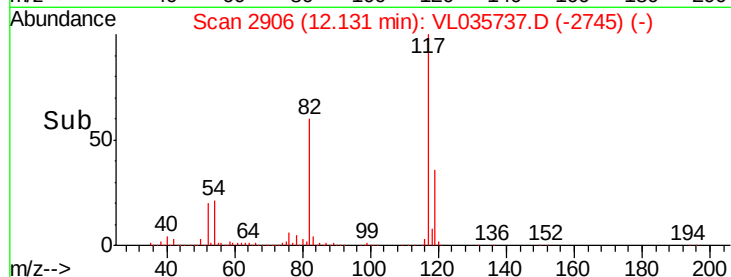
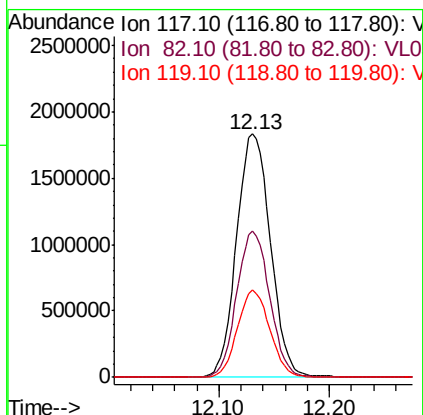
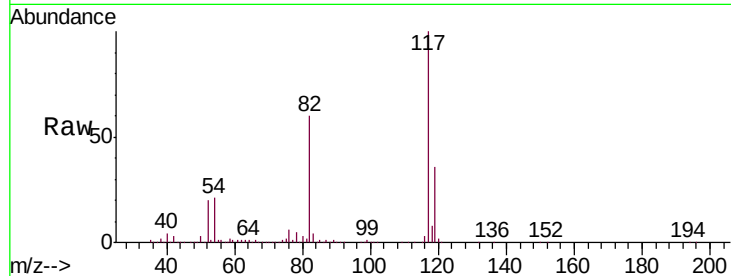




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL035737.D
Acq: 29 Sep 2020 23:30

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CAN 10281

Tgt Ion: 117 Resp: 3918290
Ion Ratio Lower Upper
117 100
82 58.8 46.1 69.1
119 34.4 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.134 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.02 min
Lab File: VL035737.D
Acq: 29 Sep 2020 23:30

Tgt Ion: 95 Resp: 2975495
Ion Ratio Lower Upper
95 100
174 76.3 59.6 89.4
175 5.5 4.2 6.4

