

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035246.D
 Acq On : 29 Jul 2020 14:52
 Operator : SY/AP
 Sample : L3474-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1-VOADL

Quant Time: Jul 30 03:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1270118	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3068843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2884092	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2311075	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

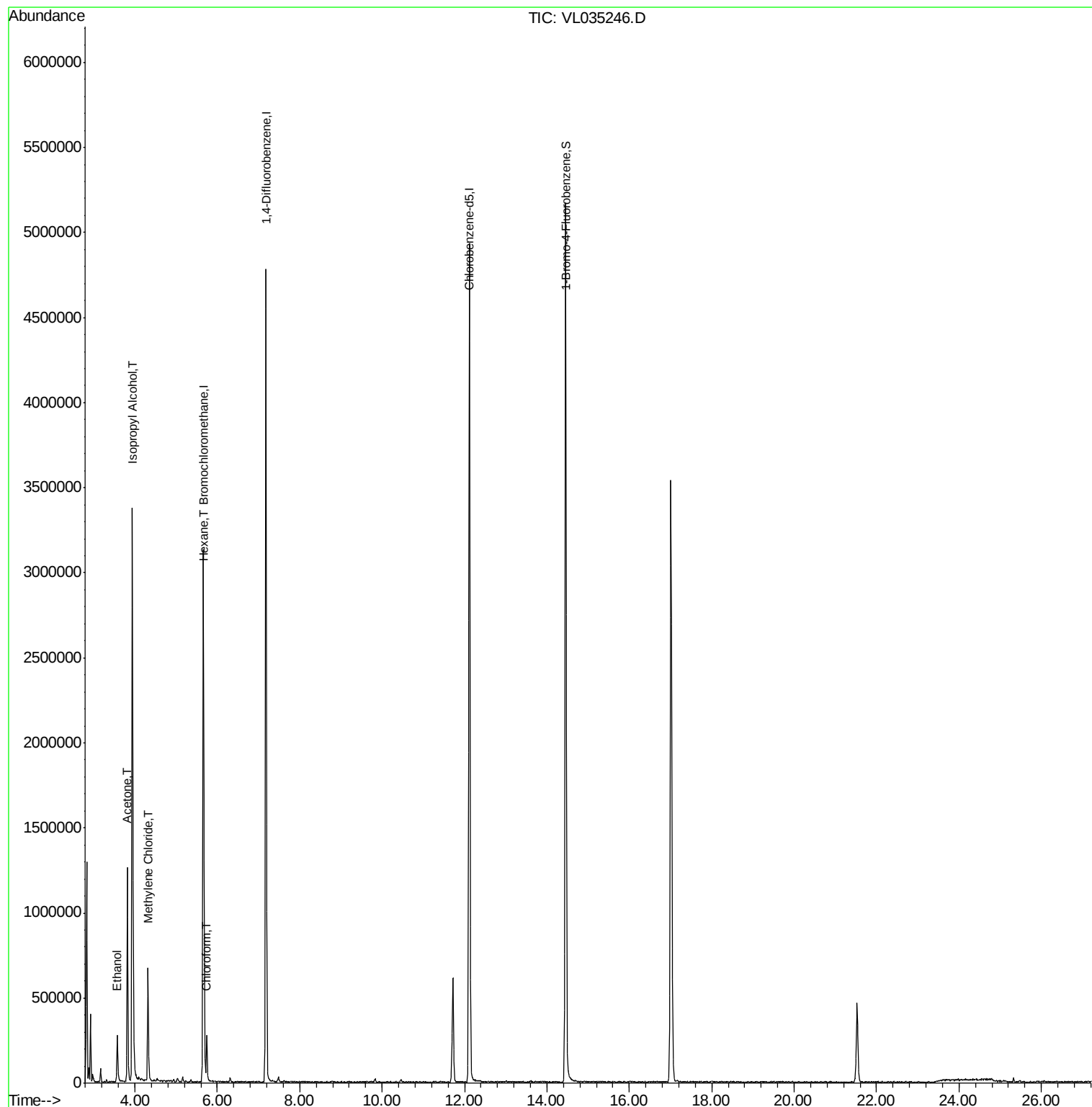
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	259657	13.018	ppbv	99
15) Acetone	3.82	43	1149638	6.786	ppbv	99
19) Isopropyl Alcohol	3.93	45	3571604	31.965	ppbv #	98
20) Methylene Chloride	4.32	84	216462	2.807	ppbv	92
26) Hexane	5.67	57	219674	1.841	ppbv #	42
29) Chloroform	5.74	83	176528	0.882	ppbv	93

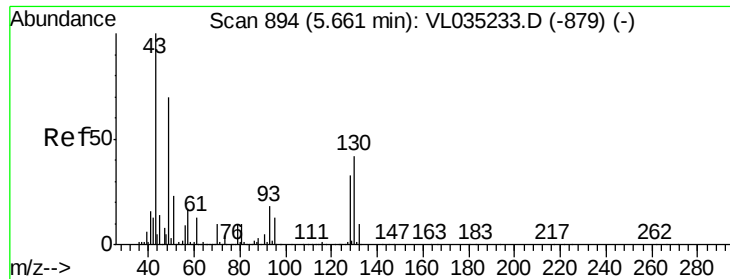
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035246.D

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Instrument :

MSVOA_L

ClientSampleId :

1-VOADL

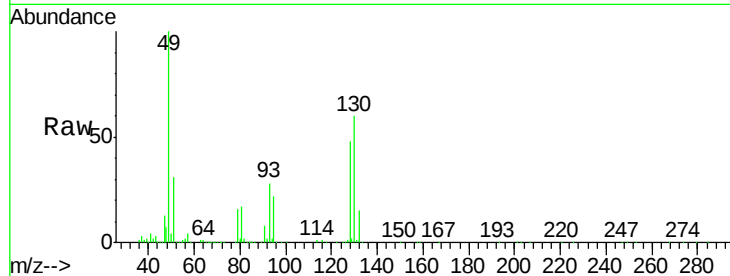
Tot Ion: 49 Resp: 1270118

Ion Ratio Lower Upper

49 100

128 49.1 24.0 72.0

130 62.8 30.7 92.1



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

5.66

800000

600000

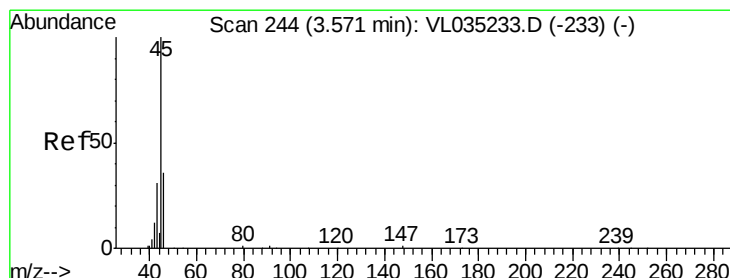
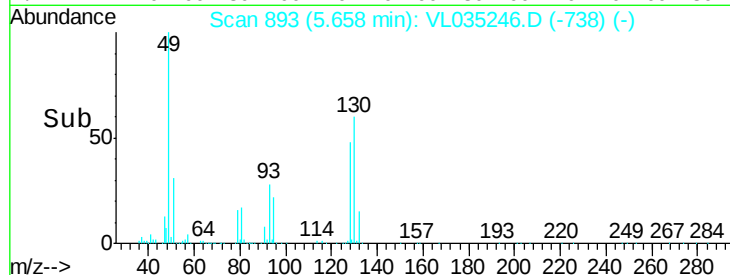
400000

200000

0

5.60 5.65 5.70

Time-->



#13

Ethanol

Concen: 13.018 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035246.D

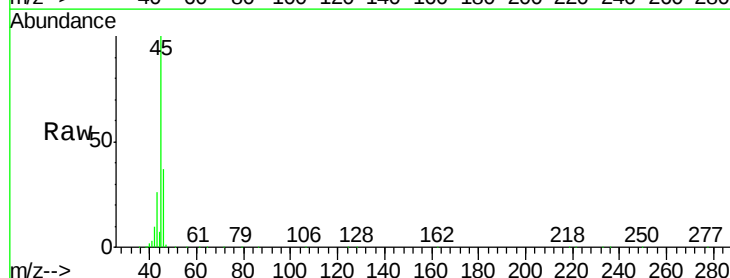
Acq: 29 Jul 2020 14:52

Tgt Ion: 45 Resp: 259657

Ion Ratio Lower Upper

45 100

46 39.1 15.8 63.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.57

150000

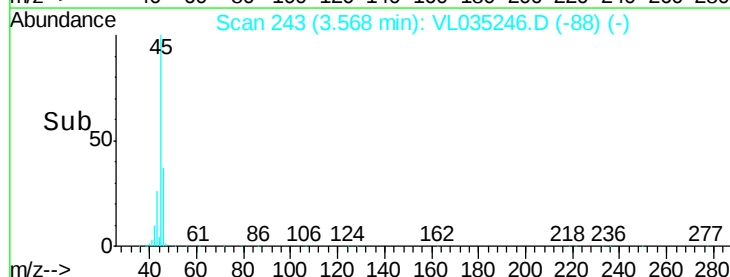
100000

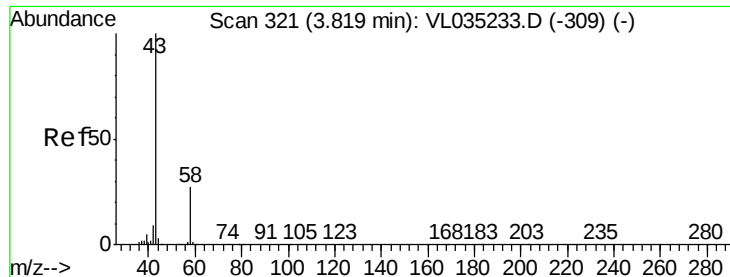
50000

0

3.50 3.55 3.60

Time-->





#15

Acetone

Concen: 6.786 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL035246.D

Acq: 29 Jul 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

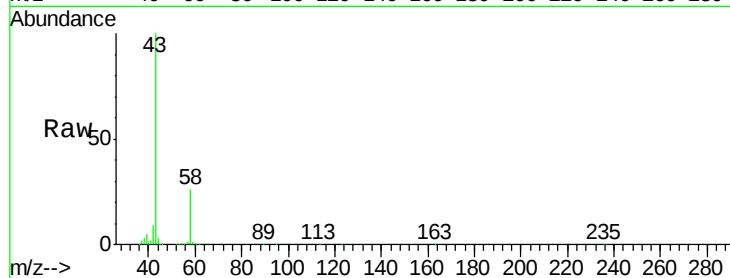
1-VOADL

Tot Ion: 43 Resp: 1149638

Ion Ratio Lower Upper

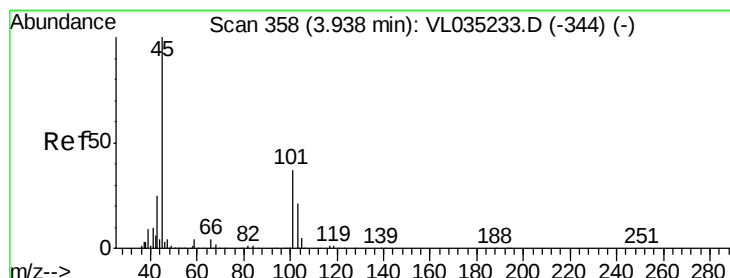
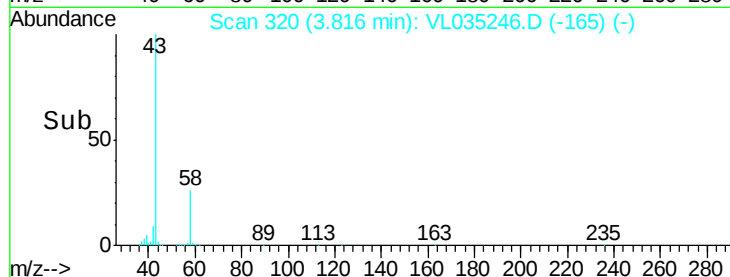
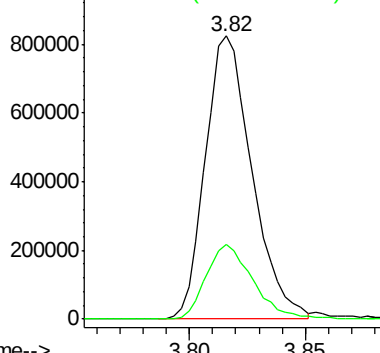
43 100

58 26.7 21.8 32.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 31.965 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL035246.D

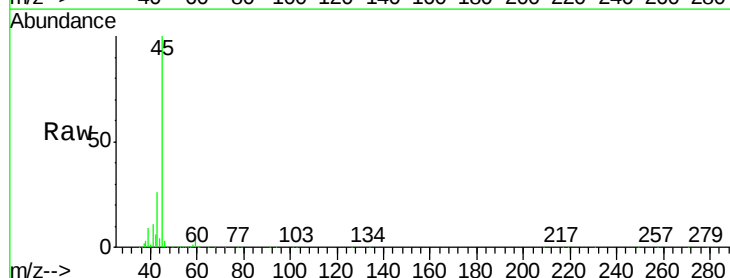
Acq: 29 Jul 2020 14:52

Tgt Ion: 45 Resp: 3571604

Ion Ratio Lower Upper

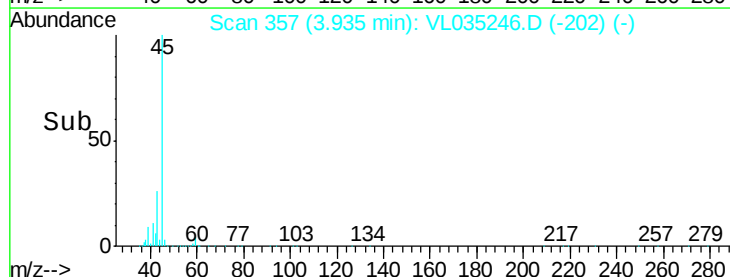
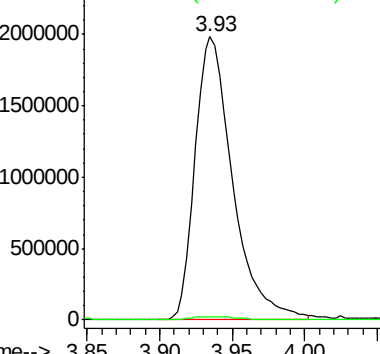
45 100

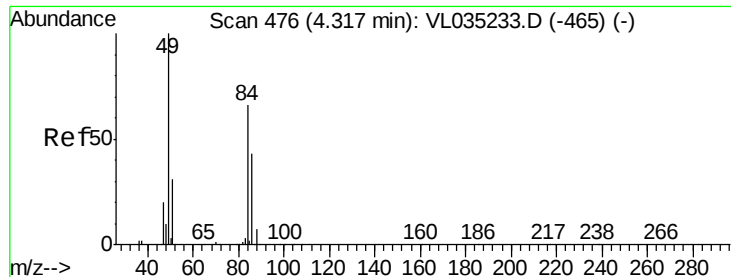
58 1.6 1.9 2.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

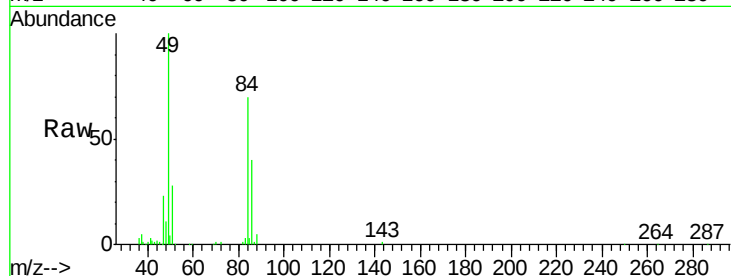




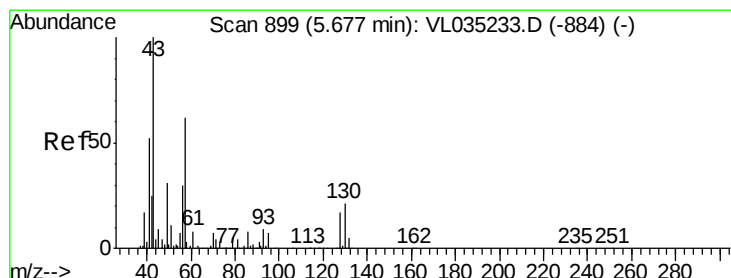
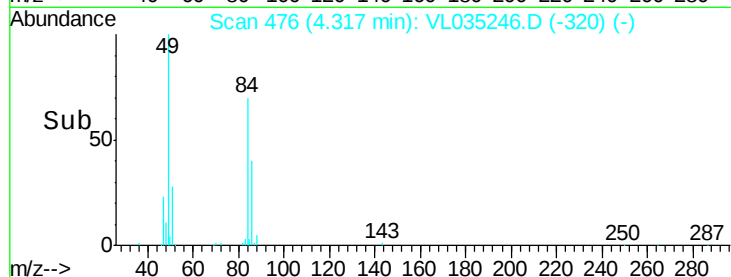
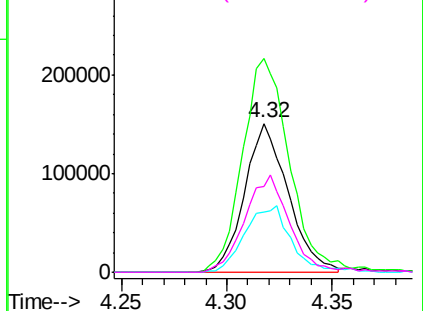
#20
Methvlene Chloride
Concen: 2.807 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035246.D
Acq: 29 Jul 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
1-VOADL

Tot Ion:	84	Resp:	216462
Ion	Ratio	Lower	Upper
84	100		
49	143.7	121.0	181.4
51	40.6	37.7	56.5
86	57.4	52.2	78.4

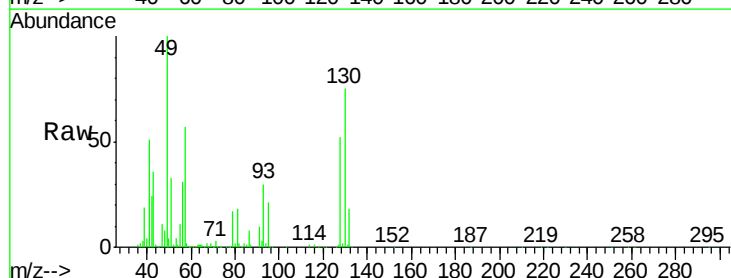


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

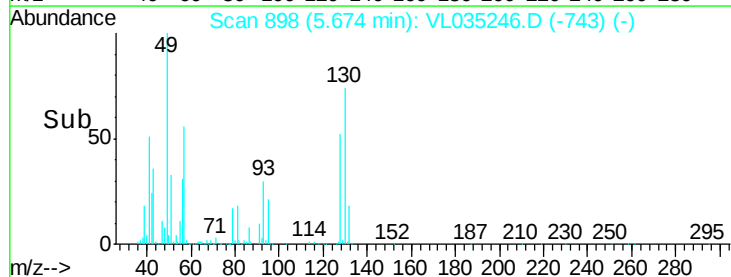
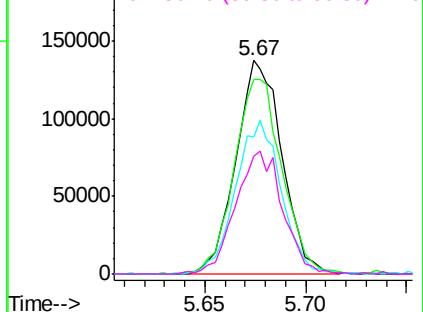


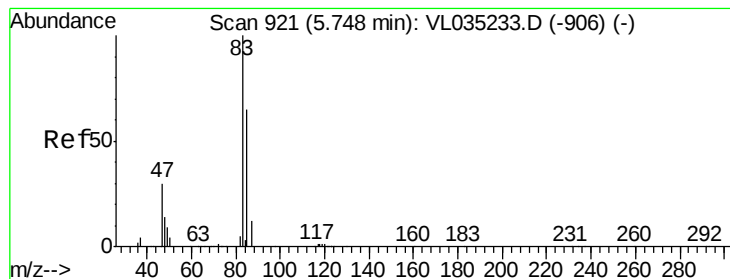
#26
Hexane
Concen: 1.841 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035246.D
Acq: 29 Jul 2020 14:52

Tgt Ion:	57	Resp:	219674
Ion	Ratio	Lower	Upper
57	100		
41	95.6	73.9	110.9
43	71.9	177.6	266.4#
56	59.2	43.0	64.4



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





#29

Chloroform

Concen: 0.882 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.00 min

Lab File: VL035246.D

Acq: 29 Jul 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

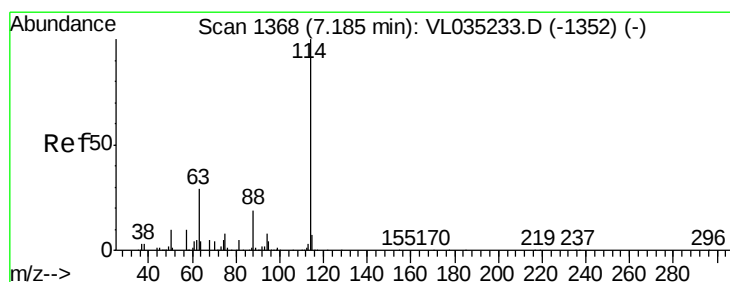
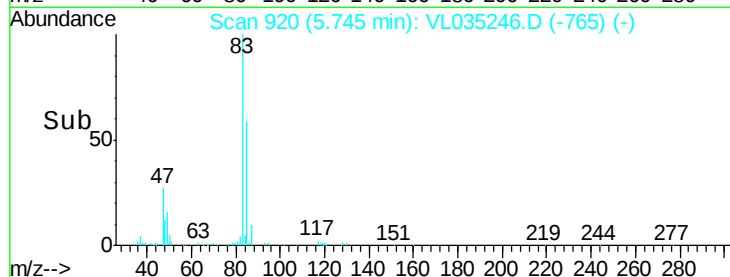
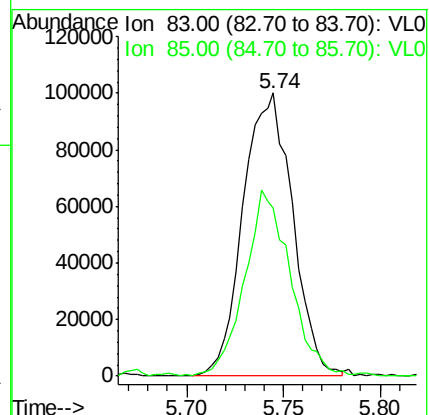
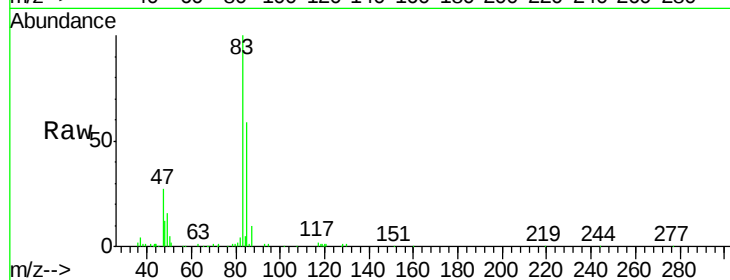
1-VOADL

Tot Ion: 83 Resp: 176528

Ion Ratio Lower Upper

83 100

85 59.2 51.7 77.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035246.D

Acq: 29 Jul 2020 14:52

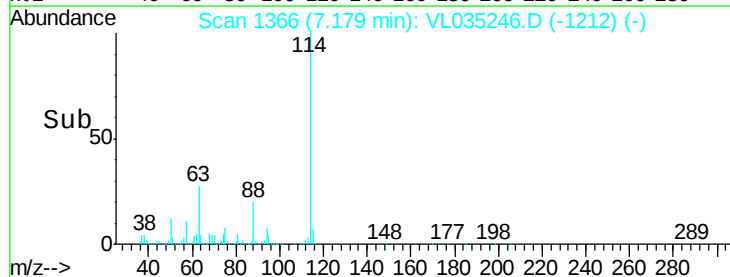
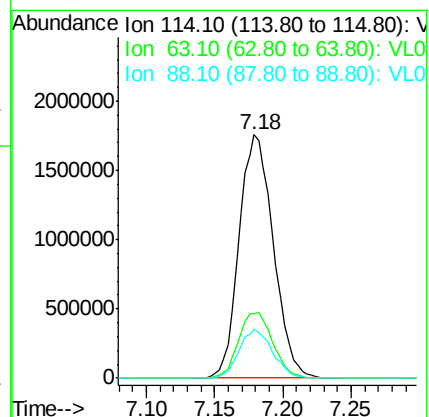
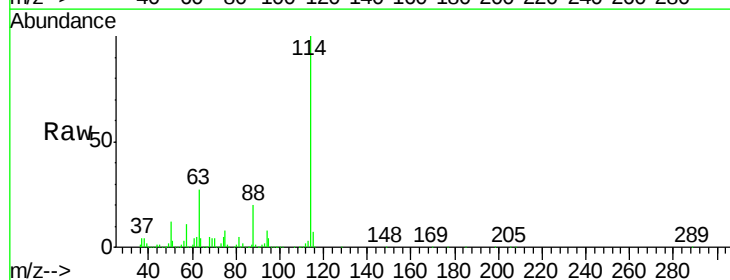
Tgt Ion: 114 Resp: 3068843

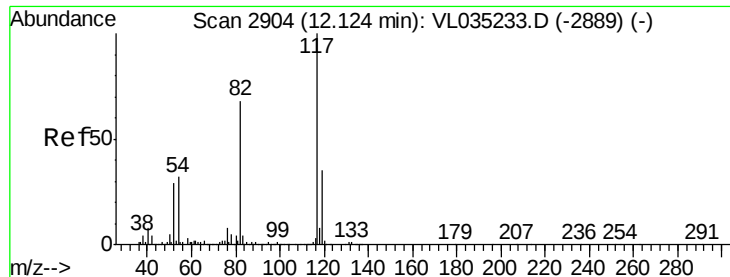
Ion Ratio Lower Upper

114 100

63 27.3 22.2 33.2

88 19.4 15.4 23.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.01 min

Lab File: VL035246.D

Acq: 29 Jul 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

1-VOADL

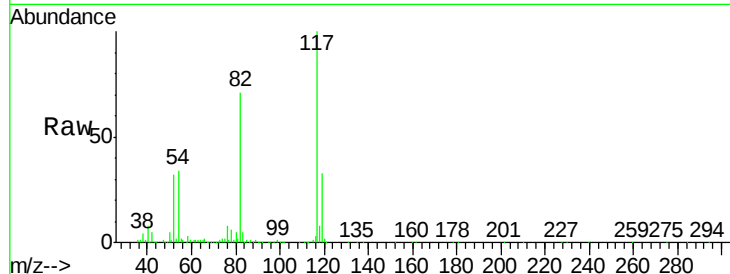
Tot Ion:117 Resp: 2884092

Ion Ratio Lower Upper

117 100

82 69.0 52.4 78.6

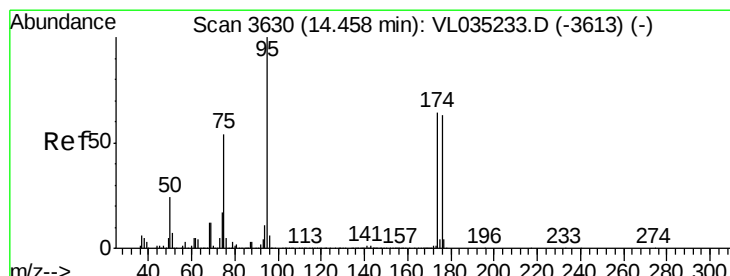
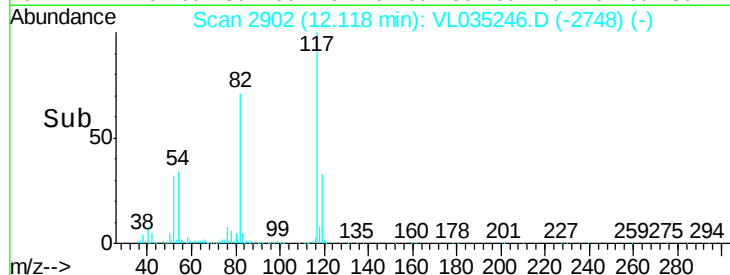
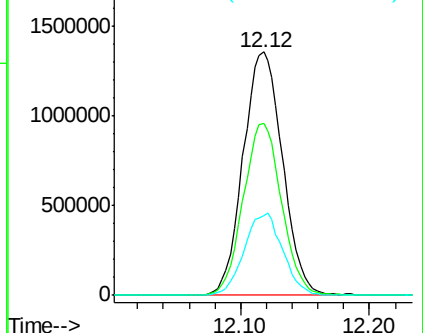
119 33.2 24.6 36.8



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: 10.028 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035246.D

Acq: 29 Jul 2020 14:52

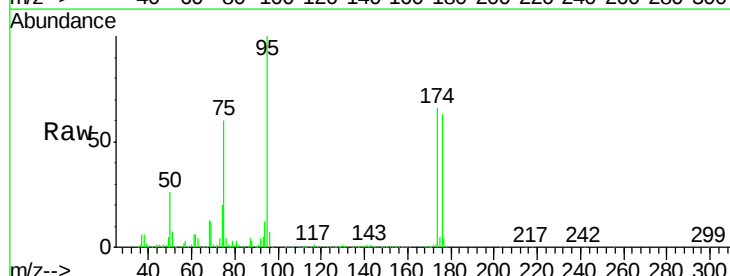
Tgt Ion: 95 Resp: 2311075

Ion Ratio Lower Upper

95 100

174 66.0 52.7 79.1

175 4.8 3.9 5.9



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

