

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035543.D
 Acq On : 3 Sep 2020 23:10
 Operator : SY/AP
 Sample : L3898-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Quant Time: Sep 05 15:15:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1058344	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4435558	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4439176	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3217713	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

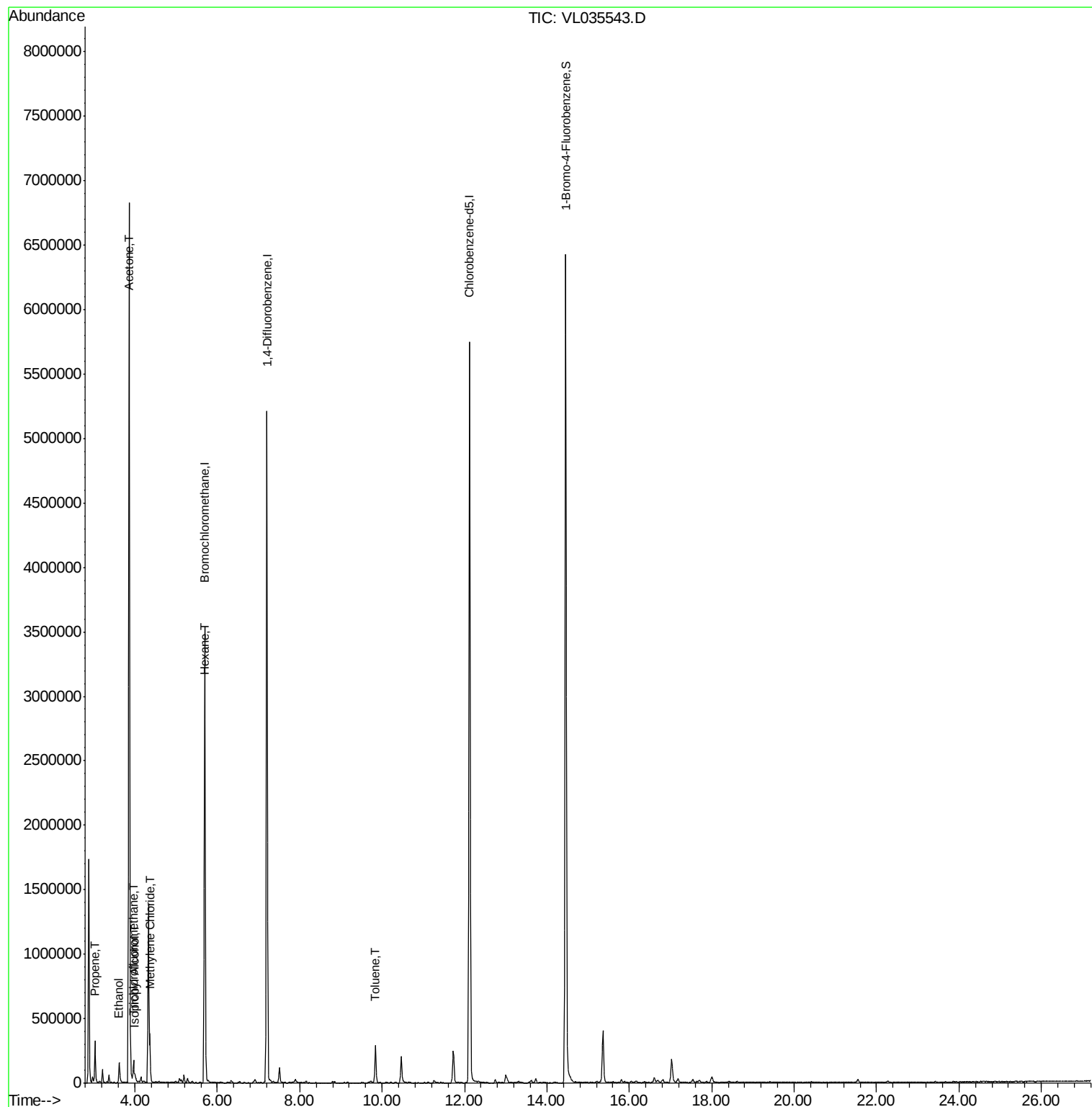
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	66646	1.477	ppbv #	67
11) Trichlorofluoromethane	3.97	101	101750	0.380	ppbv	91
13) Ethanol	3.62	45	164029	14.661	ppbv	97
15) Acetone	3.86	43	6596462	56.513	ppbv #	85
19) Isopropyl Alcohol	3.99	45	72118	1.036	ppbv #	93
20) Methylene Chloride	4.36	84	155498	1.789	ppbv	98
26) Hexane	5.71	57	76244	0.653	ppbv #	55
53) Toluene	9.84	91	245015	0.679	ppbv	95

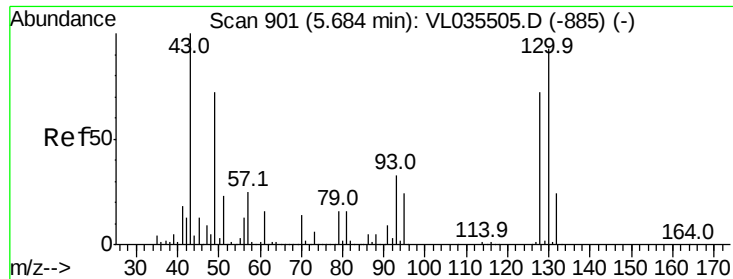
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035543.D

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MSVOA_L

ClientSampleId :

IA-5DL

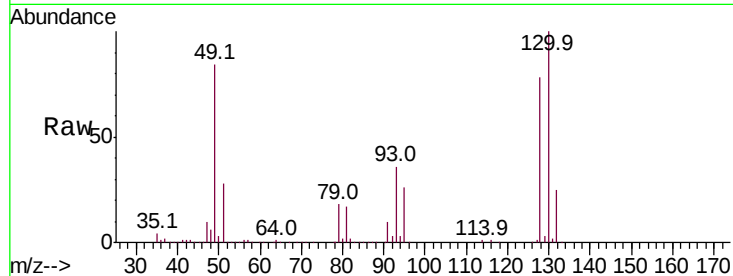
Tot Ion: 49 Resp: 1058344

Ion Ratio Lower Upper

49 100

128 94.8 50.0 150.1

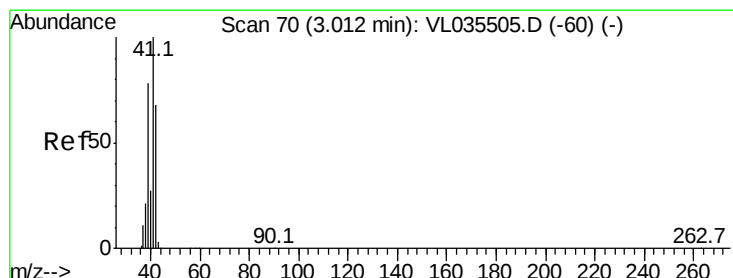
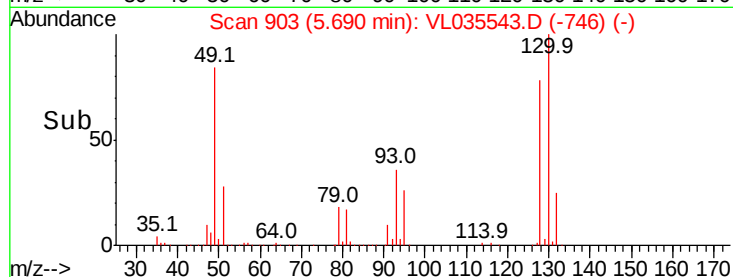
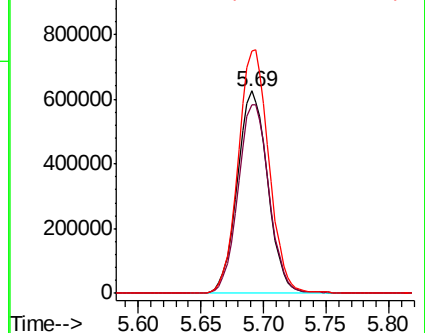
130 121.8 64.4 193.2



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: 1.477 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.02 min

Lab File: VL035543.D

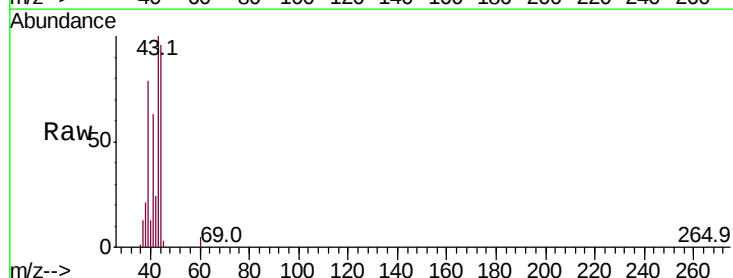
Acq: 3 Sep 2020 23:10

Tgt Ion: 41 Resp: 66646

Ion Ratio Lower Upper

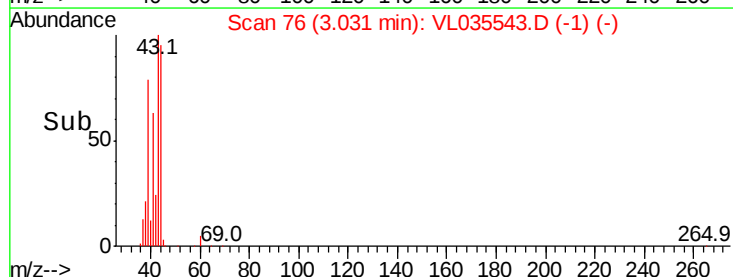
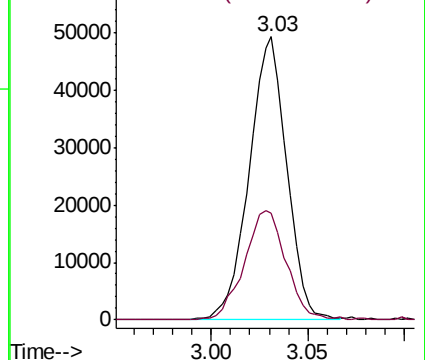
41 100

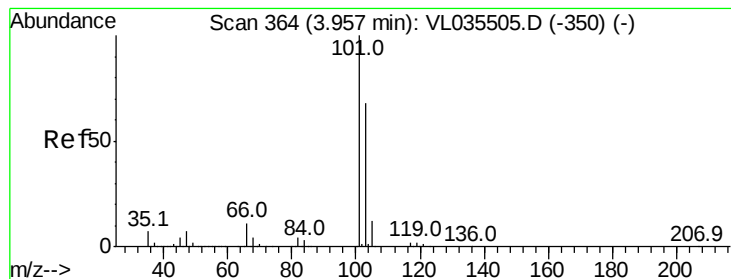
42 43.0 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.380 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL035543.D

Acq: 3 Sep 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

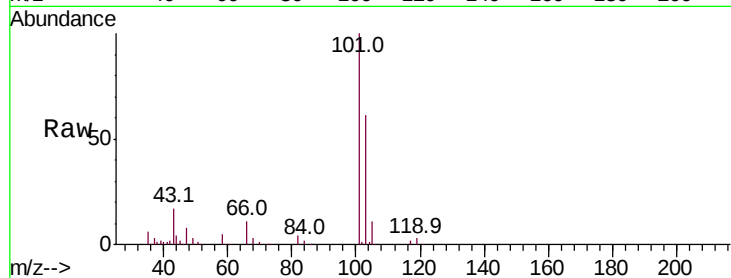
IA-5DL

Tot Ion:101 Resp: 101750

Ion Ratio Lower Upper

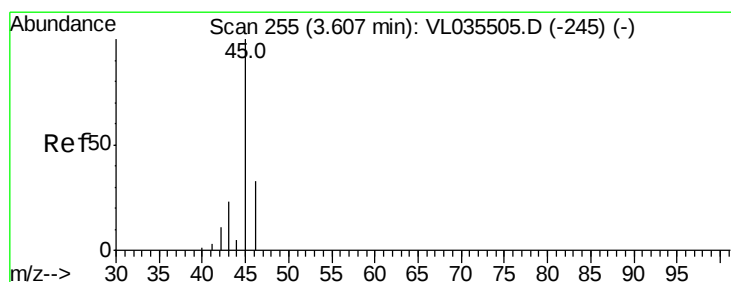
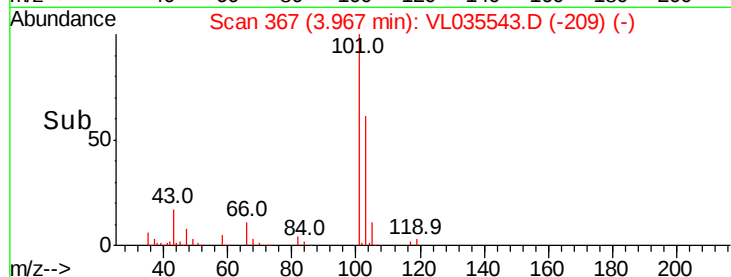
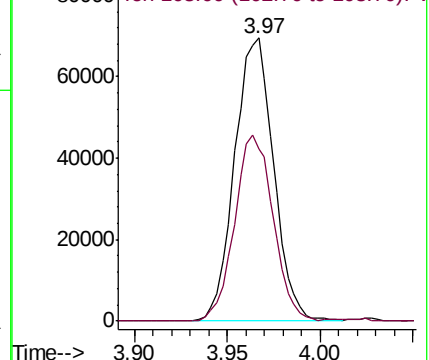
101 100

103 60.5 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 14.661 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL035543.D

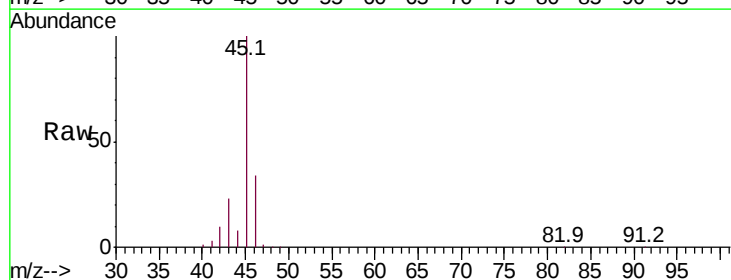
Acq: 3 Sep 2020 23:10

Tgt Ion: 45 Resp: 164029

Ion Ratio Lower Upper

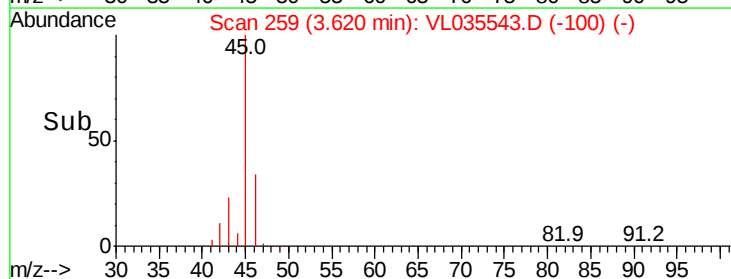
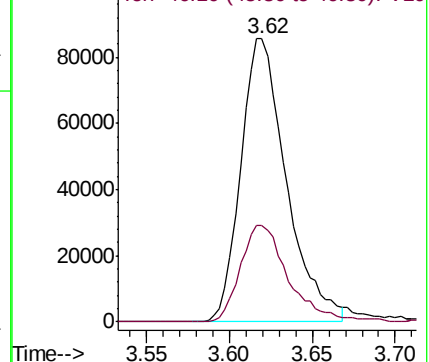
45 100

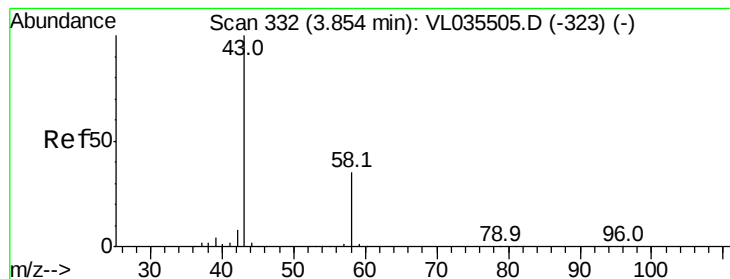
46 36.2 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 56.513 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035543.D

Acq: 3 Sep 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

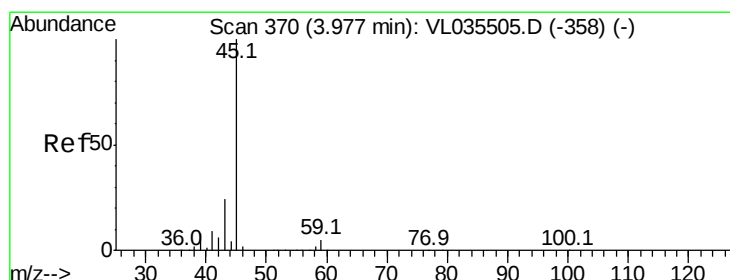
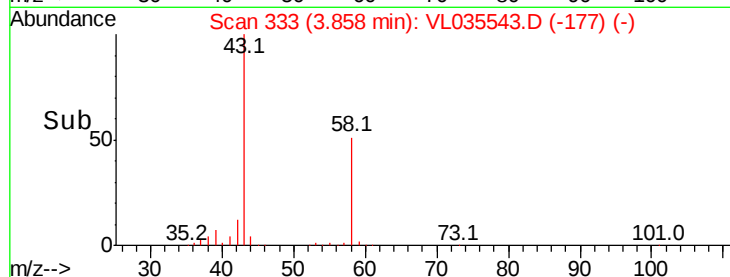
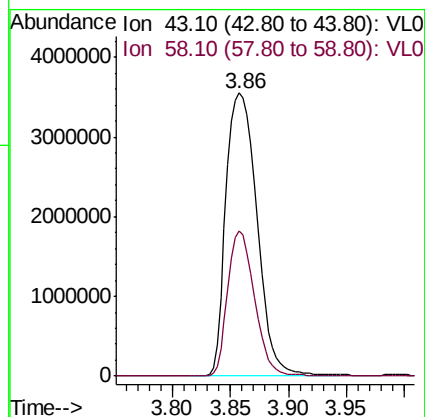
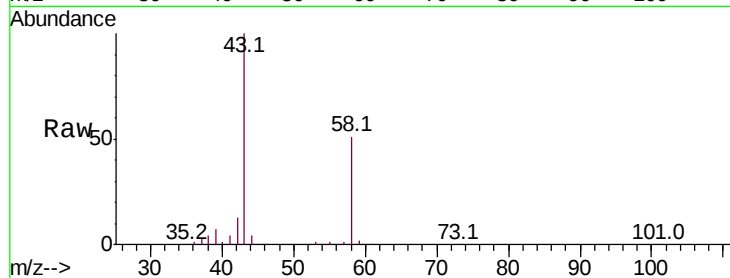
IA-5DL

Tot Ion: 43 Resp: 6596462

Ion Ratio Lower Upper

43 100

58 44.4 28.4 42.6#



#19

Isopropyl Alcohol

Concen: 1.036 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL035543.D

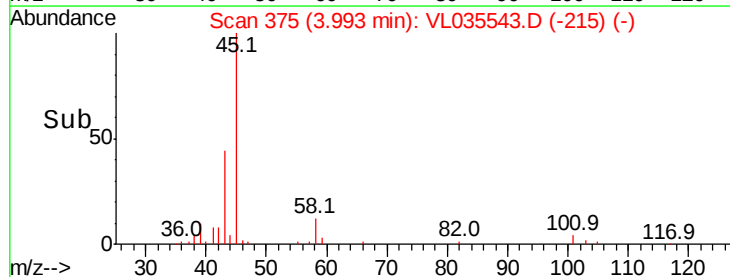
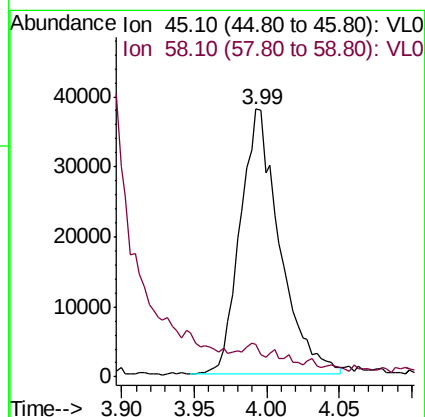
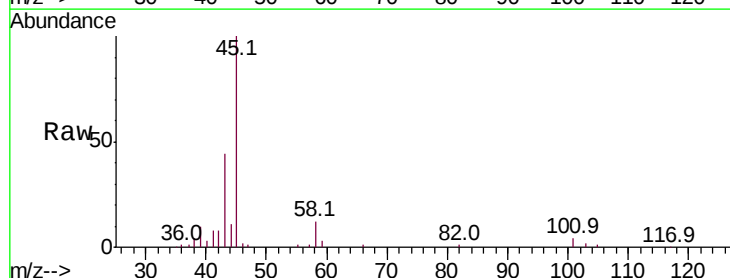
Acq: 3 Sep 2020 23:10

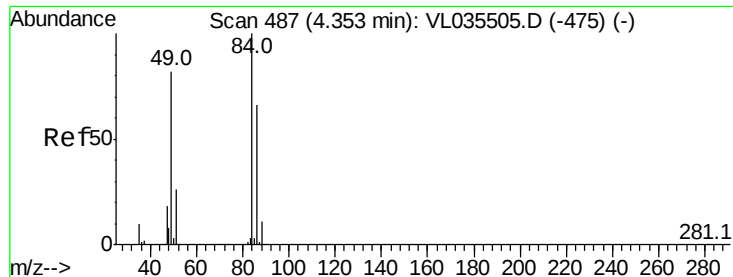
Tgt Ion: 45 Resp: 72118

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

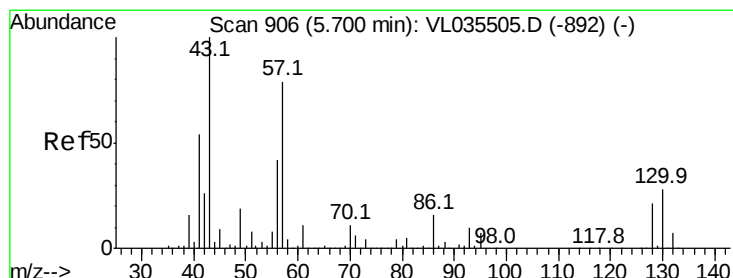
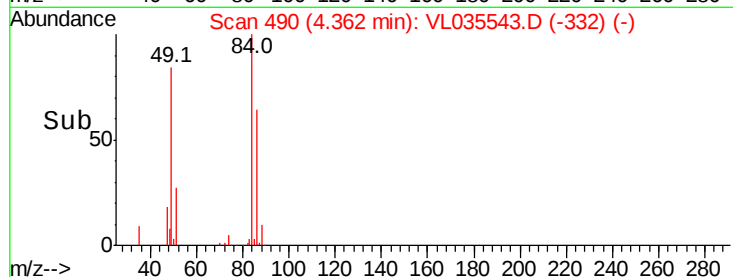
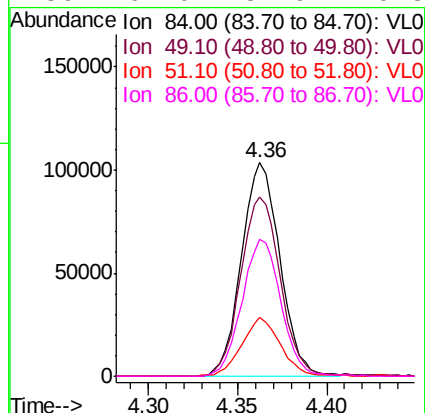
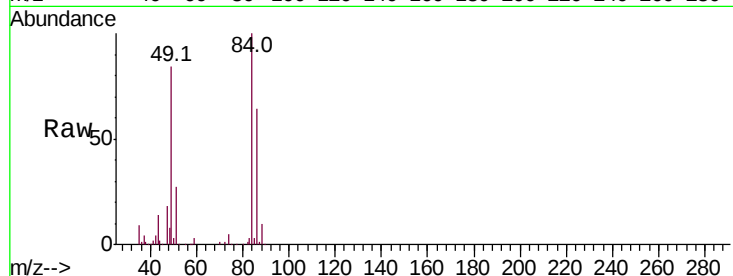




#20
Methylene Chloride
Concen: 1.789 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.01 min
Lab File: VL035543.D
Acq: 3 Sep 2020 23:10

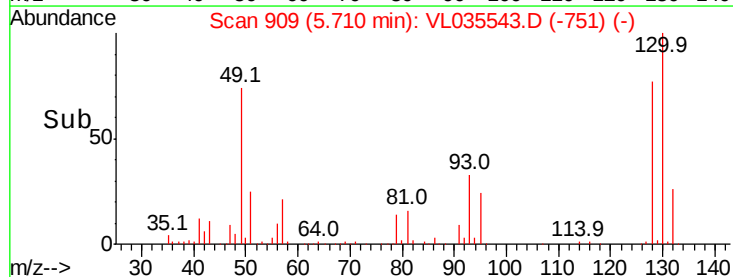
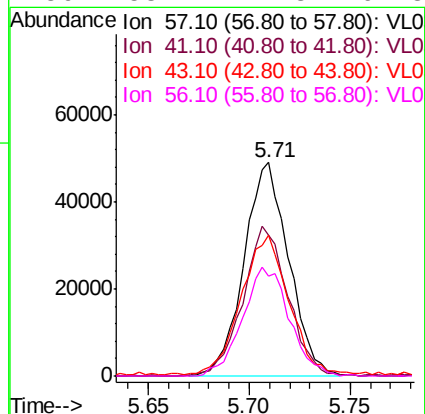
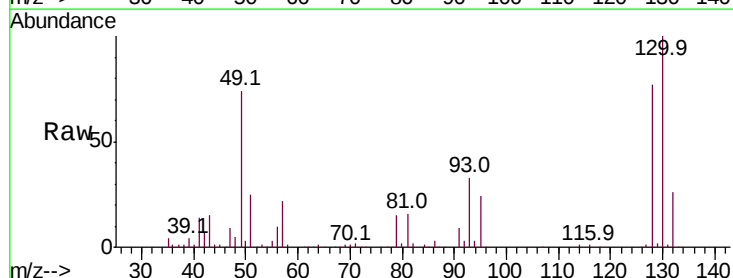
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

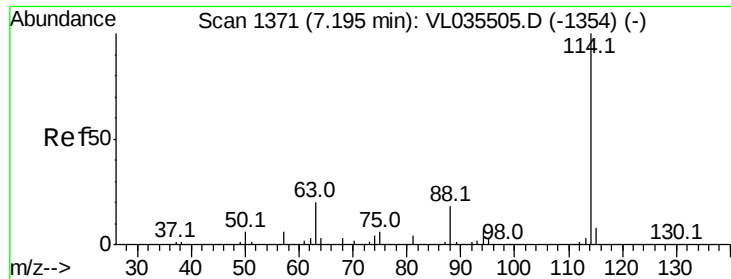
Tot Ion:	84	Resp:	155498
Ion	Ratio	Lower	Upper
84	100		
49	83.7	65.4	98.0
51	27.3	21.5	32.3
86	64.0	52.9	79.3



#26
Hexane
Concen: 0.653 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL035543.D
Acq: 3 Sep 2020 23:10

Tgt Ion:	57	Resp:	76244
Ion	Ratio	Lower	Upper
57	100		
41	70.4	55.9	83.9
43	72.1	141.8	212.8#
56	53.2	41.8	62.8

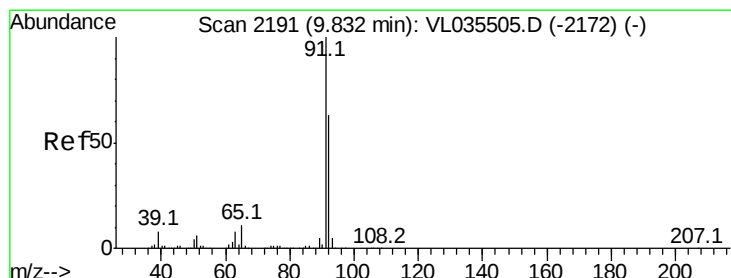
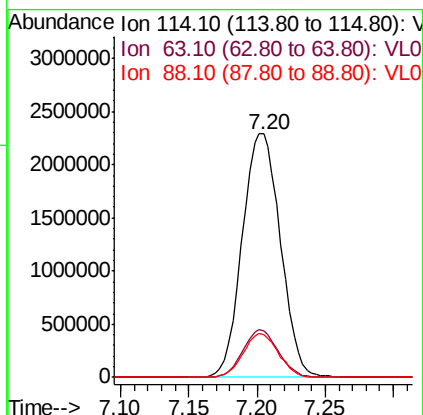
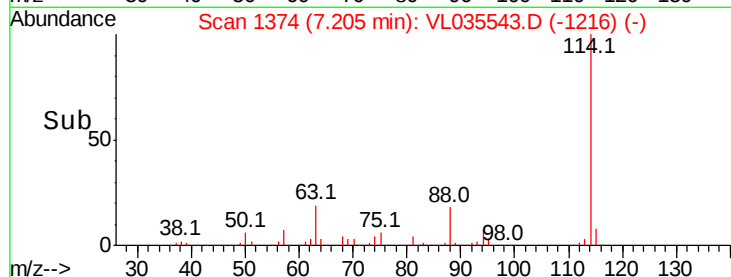
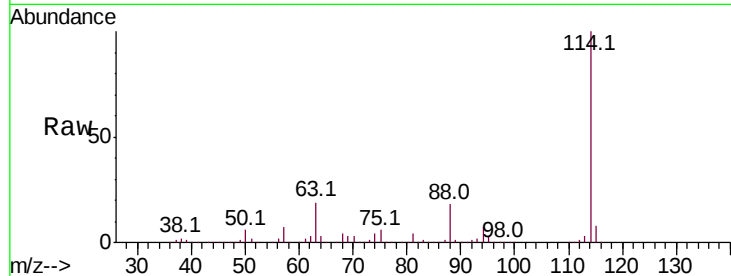




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VL035543.D
 Acq: 3 Sep 2020 23:10

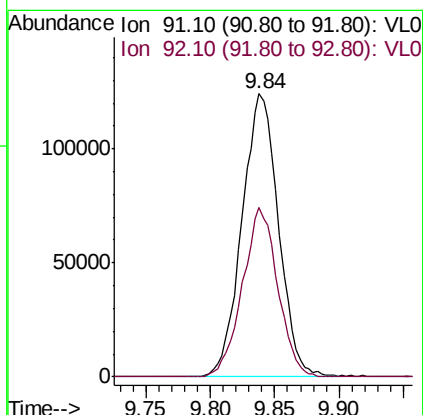
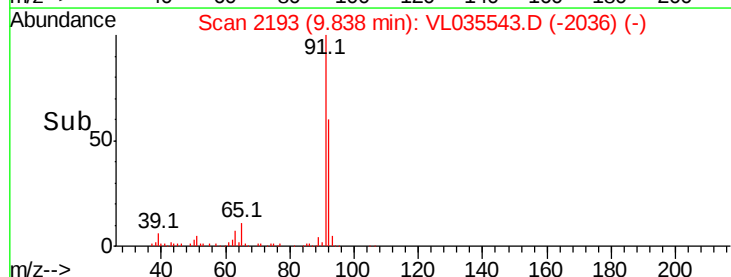
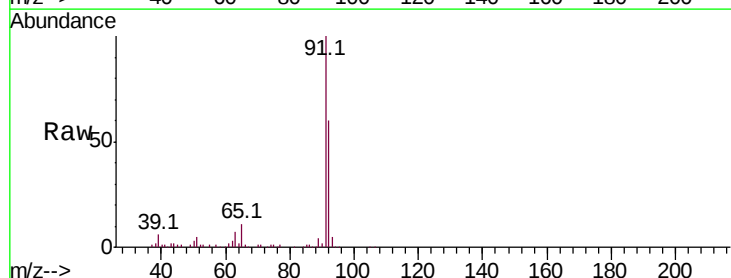
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

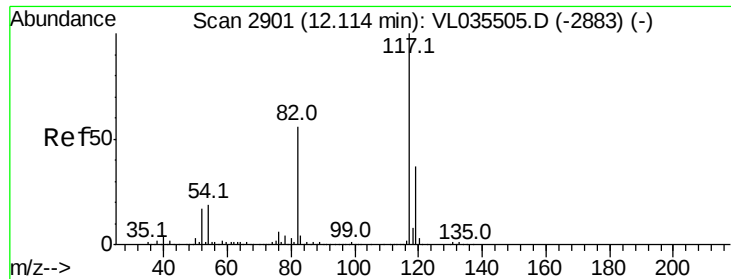
Tot Ion:114 Resp: 4435558
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.7 22.1
 88 16.8 13.4 20.2



#53
 Toluene
 Concen: 0.679 ppbv
 RT: 9.84 min Scan# 2193
 Delta R.T. 0.01 min
 Lab File: VL035543.D
 Acq: 3 Sep 2020 23:10

Tgt Ion: 91 Resp: 245015
 Ion Ratio Lower Upper
 91 100
 92 58.1 49.8 74.8

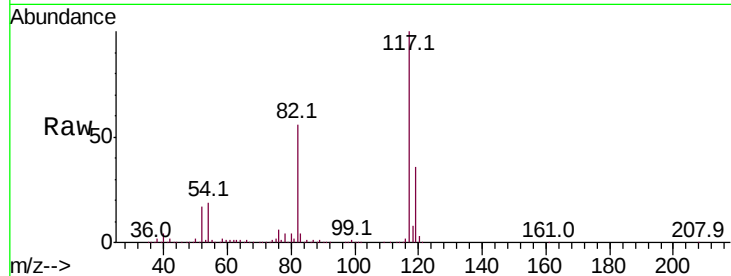




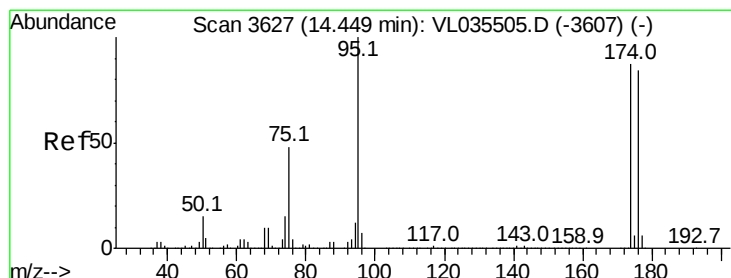
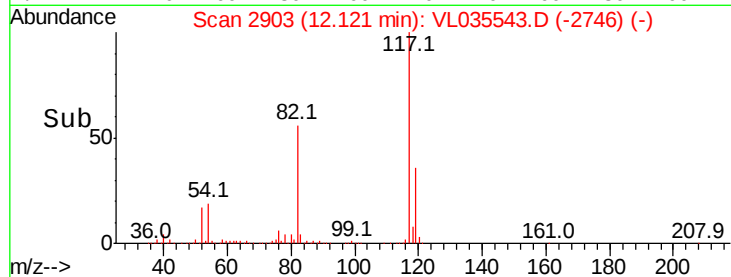
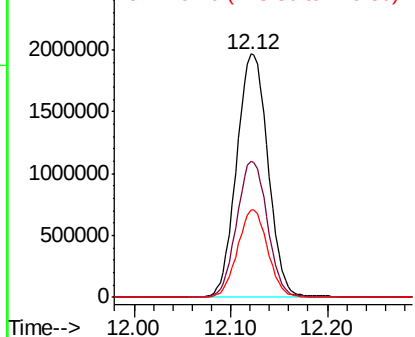
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035543.D
Acq: 3 Sep 2020 23:10

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

Tot Ion:117 Resp: 4439176
Ion Ratio Lower Upper
117 100
82 55.1 41.6 62.4
119 34.6 29.3 43.9

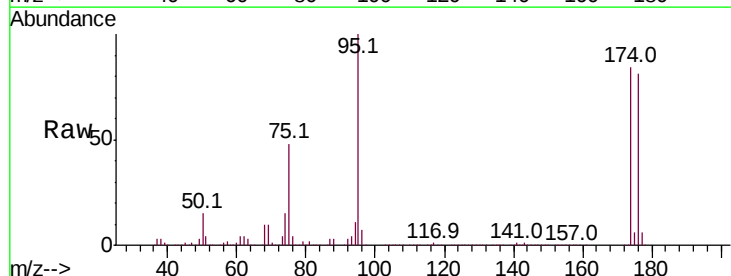


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.207 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.01 min
Lab File: VL035543.D
Acq: 3 Sep 2020 23:10

Tgt Ion: 95 Resp: 3217713
Ion Ratio Lower Upper
95 100
174 85.7 69.6 104.4
175 6.2 5.1 7.7



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

