

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035197.D
 Acq On : 16 Jul 2020 17:10
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1042376	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2538888	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2379637	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1969115	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

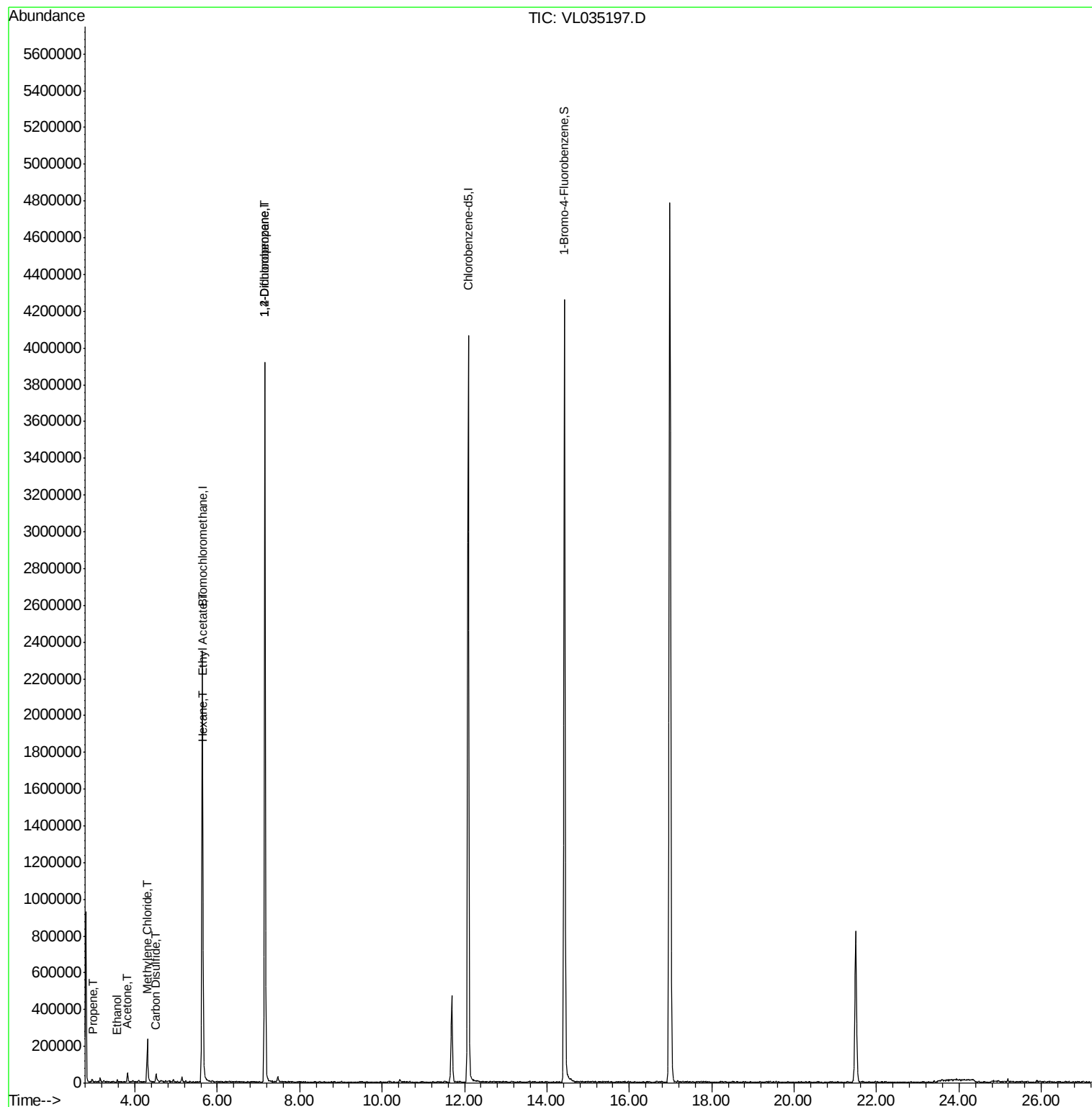
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	2944	0.068	ppbv	98
13) Ethanol	3.57	45	6490	0.468	ppbv #	35
15) Acetone	3.82	43	45689	0.324	ppbv #	79
20) Methylene Chloride	4.30	84	43370	0.706	ppbv	88
25) Ethyl Acetate	5.65	43	20024	0.091	ppbv #	82
26) Hexane	5.65	57	40459	0.419	ppbv #	40
27) Carbon Disulfide	4.50	76	32455	0.241	ppbv #	69
39) 1,2-Dichloropropane	7.15	63	694419	9.503	ppbv #	23

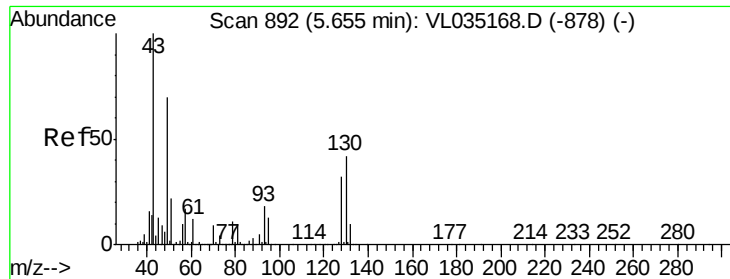
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL035197.D

Acq: 16 Jul 2020 17:10

Instrument :

MSVOA_L

ClientSampled :

VIBLK

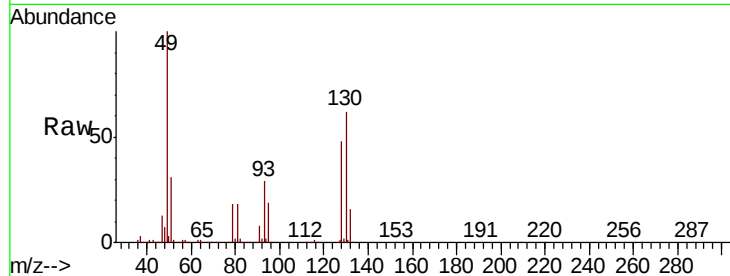
Tot Ion: 49 Resp: 1042376

Ion Ratio Lower Upper

49 100

128 49.8 23.8 71.4

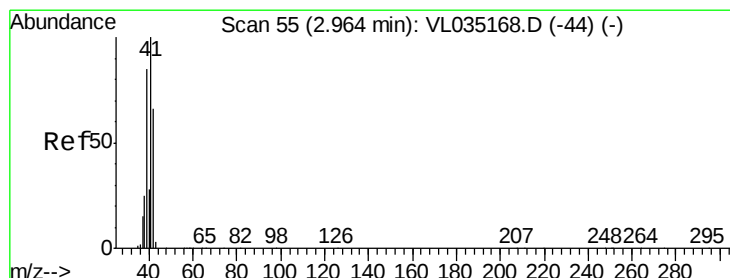
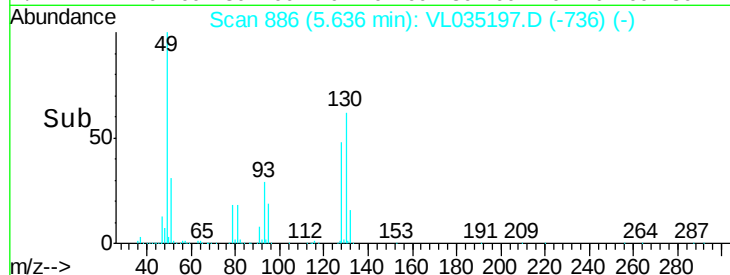
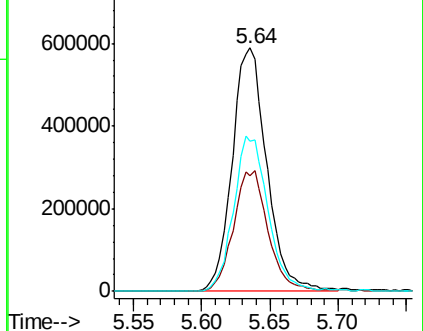
130 63.9 29.9 89.8



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



#9

Propene

Concen: 0.068 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035197.D

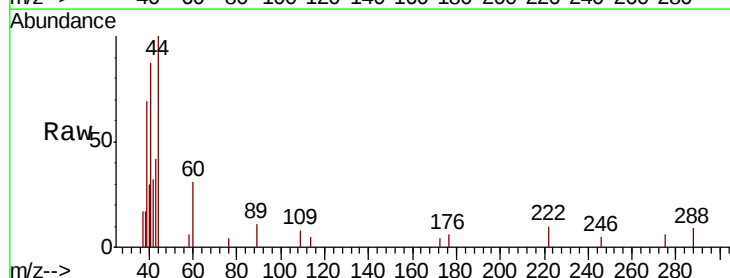
Acq: 16 Jul 2020 17:10

Tgt Ion: 41 Resp: 2944

Ion Ratio Lower Upper

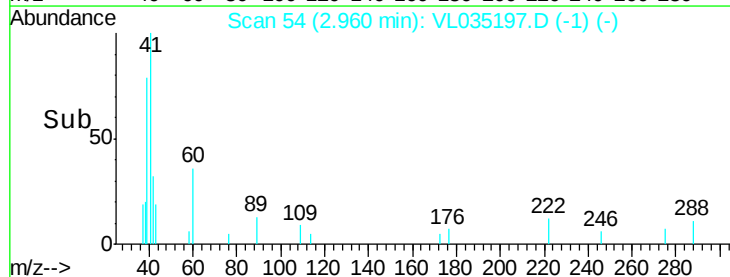
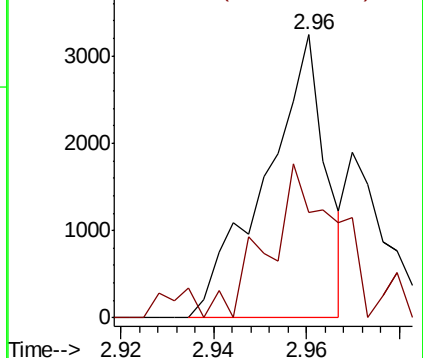
41 100

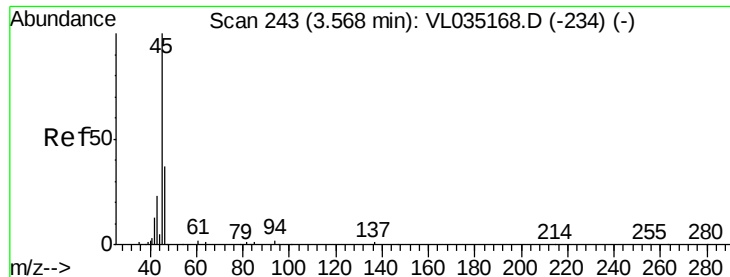
42 70.0 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

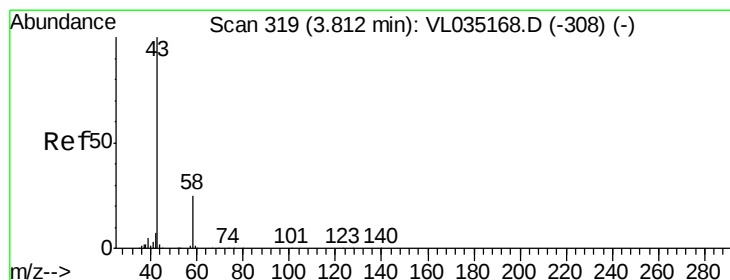
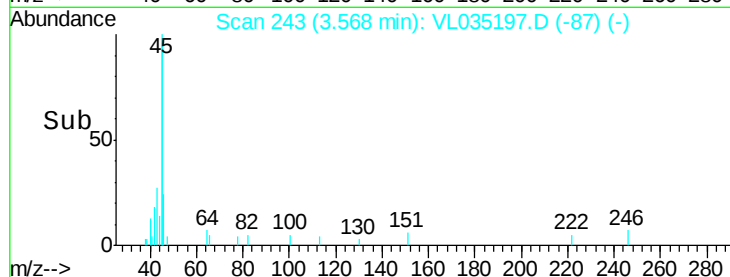
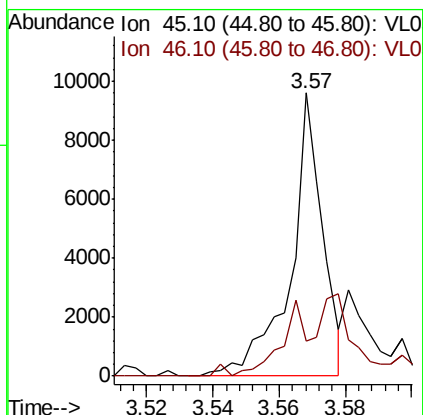
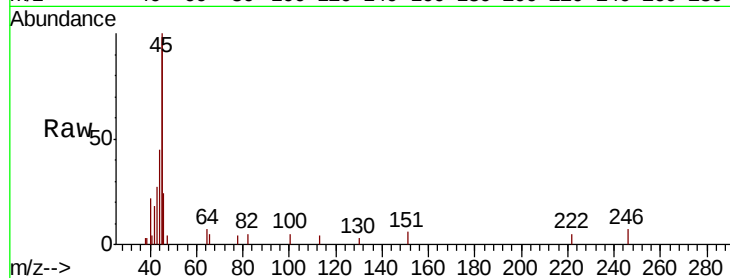




#13
Ethanol
Concen: 0.468 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

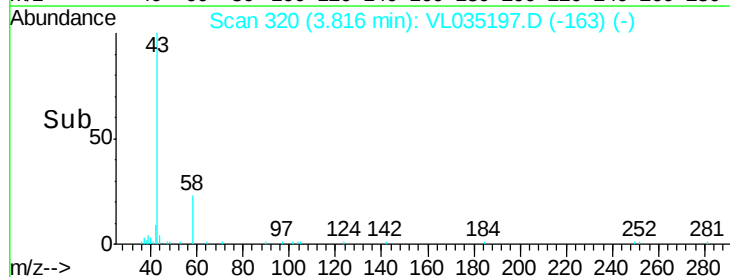
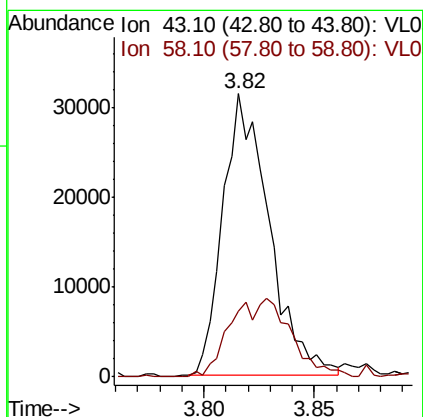
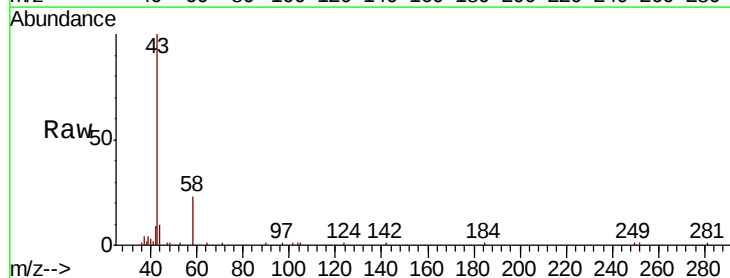
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

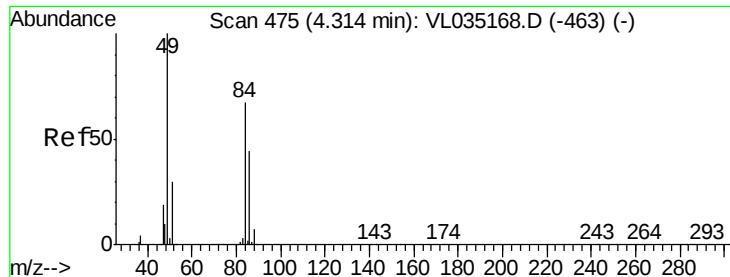
Tot Ion: 45 Resp: 6490
Ion Ratio Lower Upper
45 100
46 0.0 16.2 65.0#



#15
Acetone
Concen: 0.324 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.00 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

Tgt Ion: 43 Resp: 45689
Ion Ratio Lower Upper
43 100
58 37.5 21.3 31.9#

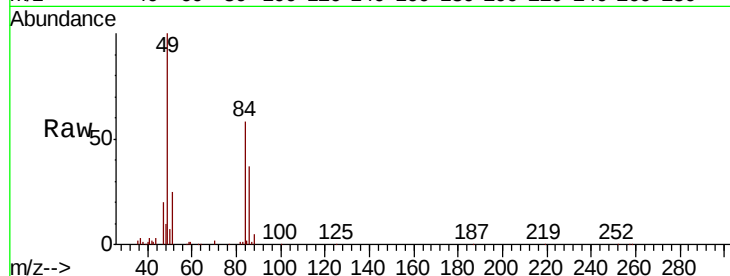




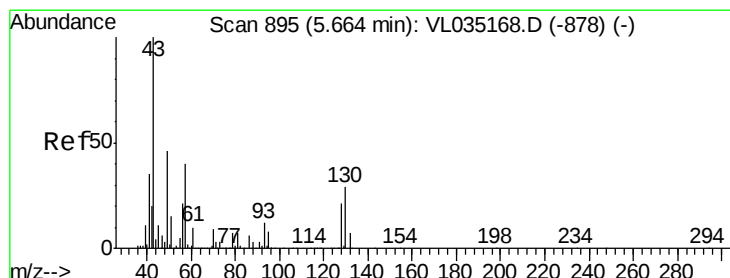
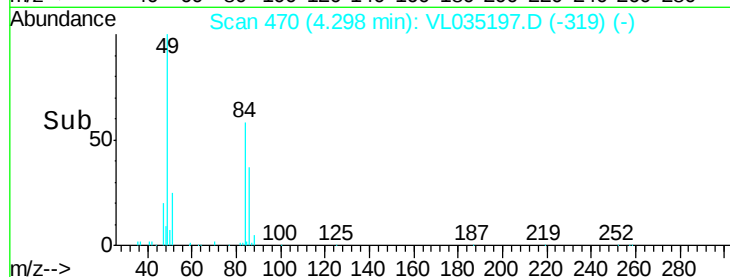
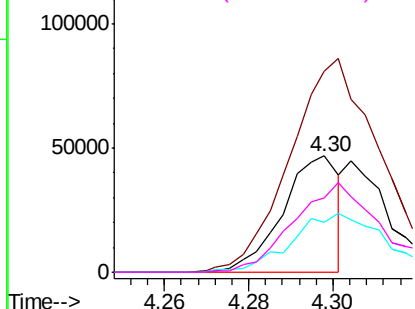
#20
Methylene Chloride
Concen: 0.706 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.02 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 43370
Ion Ratio Lower Upper
84 100
49 173.2 119.4 179.0
51 43.5 36.6 55.0
86 63.8 52.5 78.7

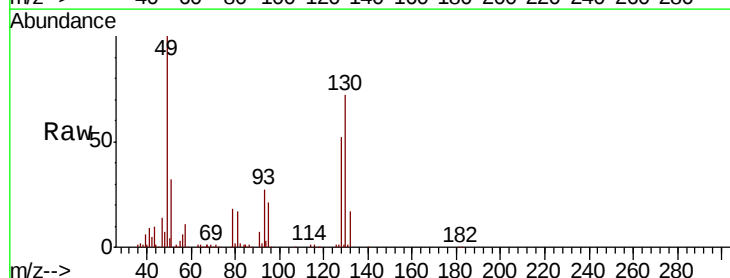


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

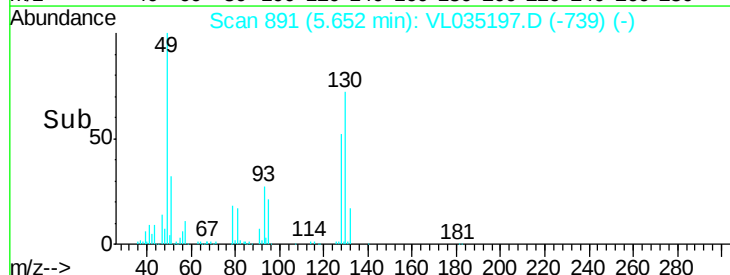
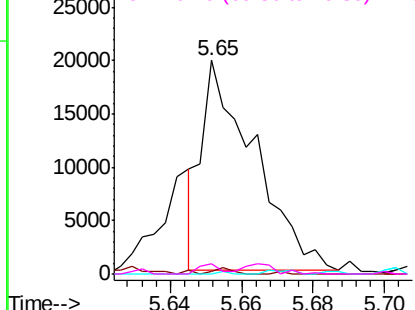


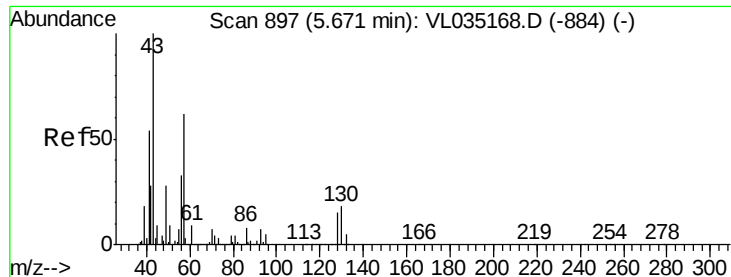
#25
Ethyl Acetate
Concen: 0.091 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

Tgt Ion: 43 Resp: 20024
Ion Ratio Lower Upper
43 100
45 4.2 8.5 12.7#
61 0.0 8.1 12.1#
70 5.7 6.3 9.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

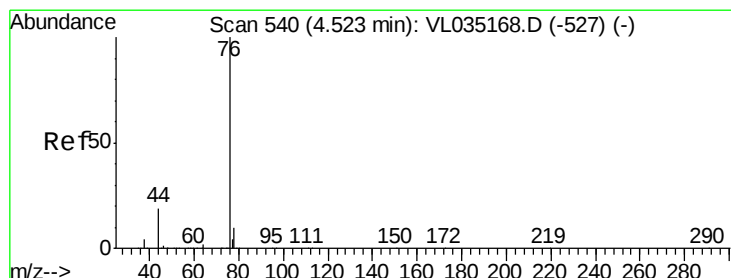
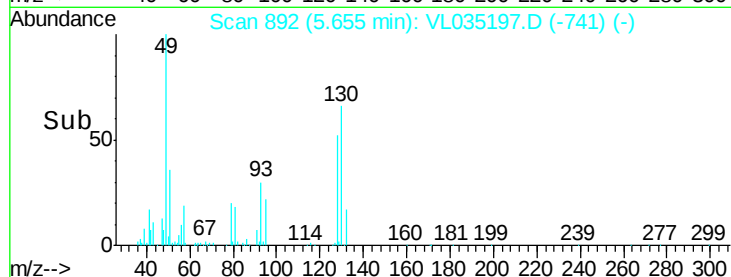
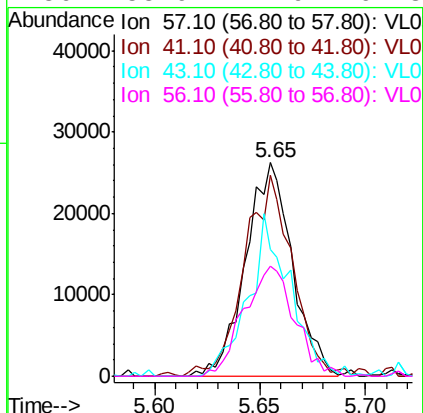
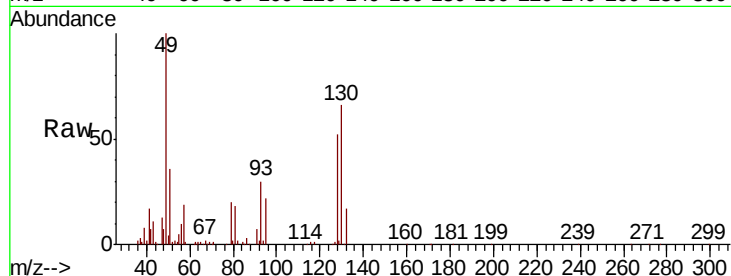




#26
Hexane
Concen: 0.419 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

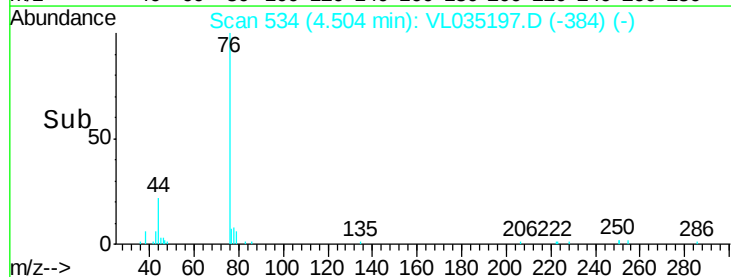
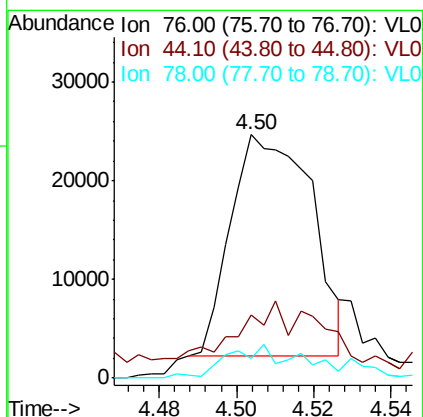
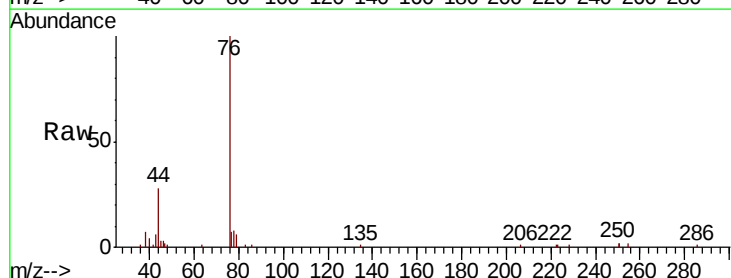
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

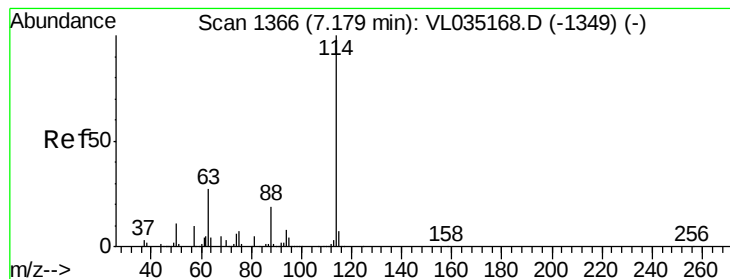
Tot Ion:	57	Resp:	40459
Ion	Ratio	Lower	Upper
57	100		
41	97.9	72.9	109.3
43	70.1	179.5	269.3#
56	55.9	42.9	64.3



#27
Carbon Disulfide
Concen: 0.241 ppbv
RT: 4.50 min Scan# 534
Delta R.T. -0.02 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

Tgt Ion:	76	Resp:	32455
Ion	Ratio	Lower	Upper
76	100		
44	35.1	14.9	22.3#
78	16.7	7.5	11.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL035197.D

Acq: 16 Jul 2020 17:10

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

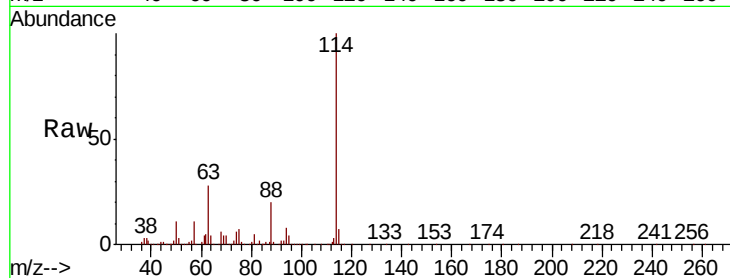
Tot Ion:114 Resp: 2538888

Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

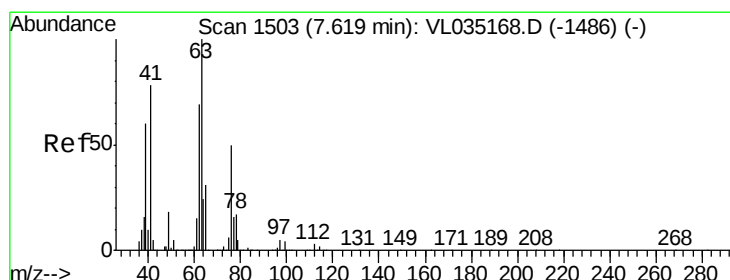
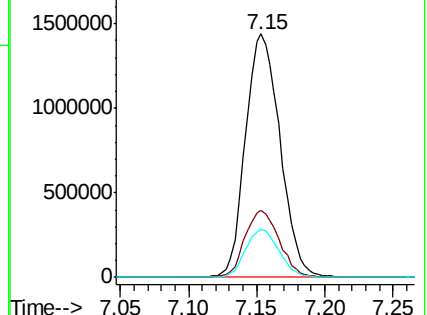
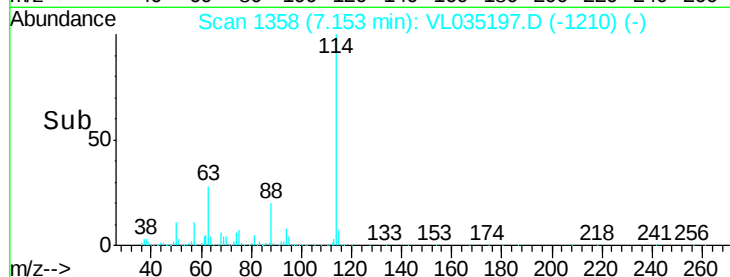
88 19.2 15.4 23.0



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: 9.503 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL035197.D

Acq: 16 Jul 2020 17:10

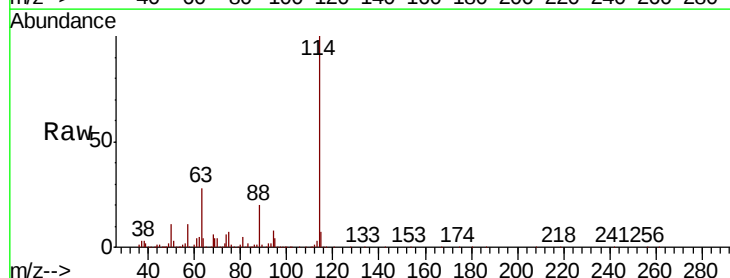
Tgt Ion: 63 Resp: 694419

Ion Ratio Lower Upper

63 100

41 0.3 62.6 94.0#

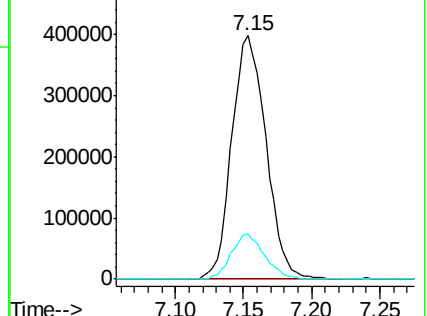
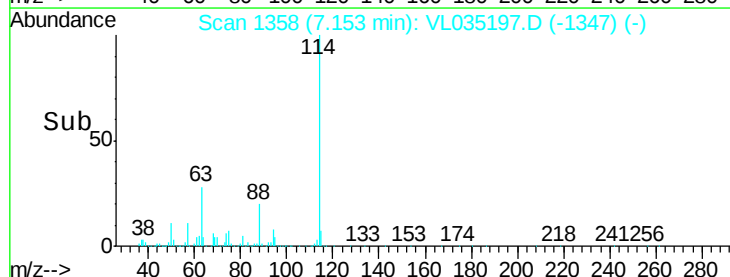
62 18.4 55.0 82.6#

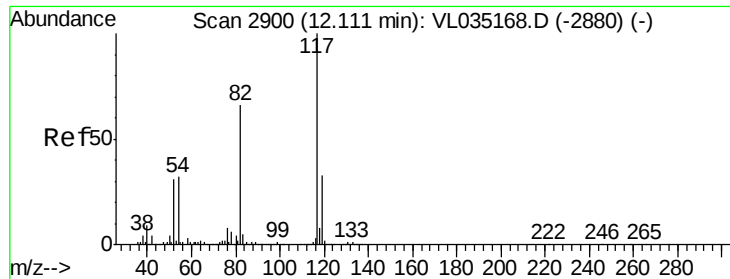


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

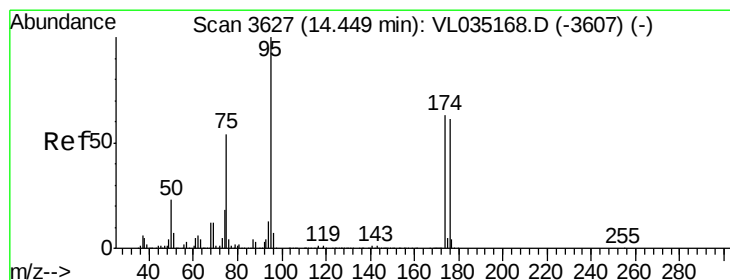
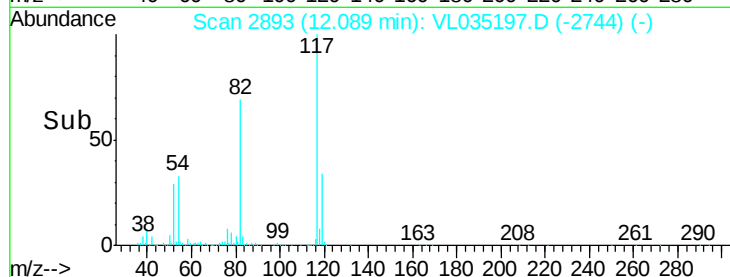
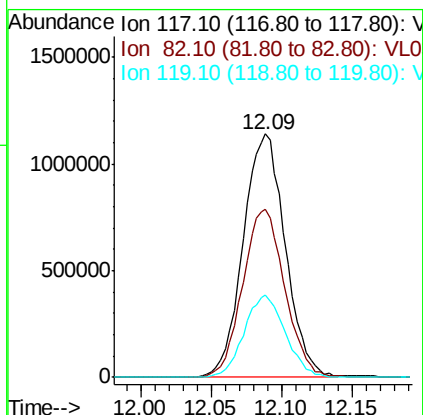
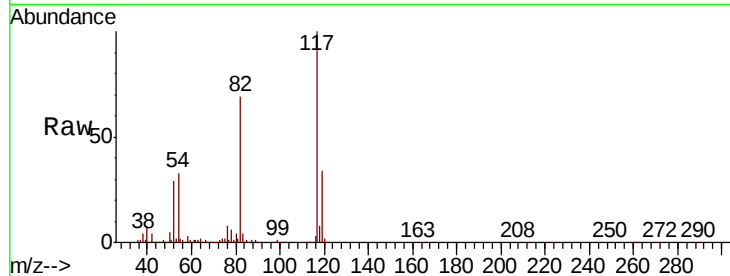




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion:117 Resp: 2379637
Ion Ratio Lower Upper
117 100
82 69.5 52.3 78.5
119 33.2 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.186 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035197.D
Acq: 16 Jul 2020 17:10

Tgt Ion: 95 Resp: 1969115
Ion Ratio Lower Upper
95 100
174 64.6 52.2 78.2
175 4.8 4.0 6.0

