

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035819.D
 Acq On : 4 Nov 2020 1:12
 Operator : SY/AP
 Sample : L4604-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 04 05:17:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1191279	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	5228671	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4762557	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3413759	10.09	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

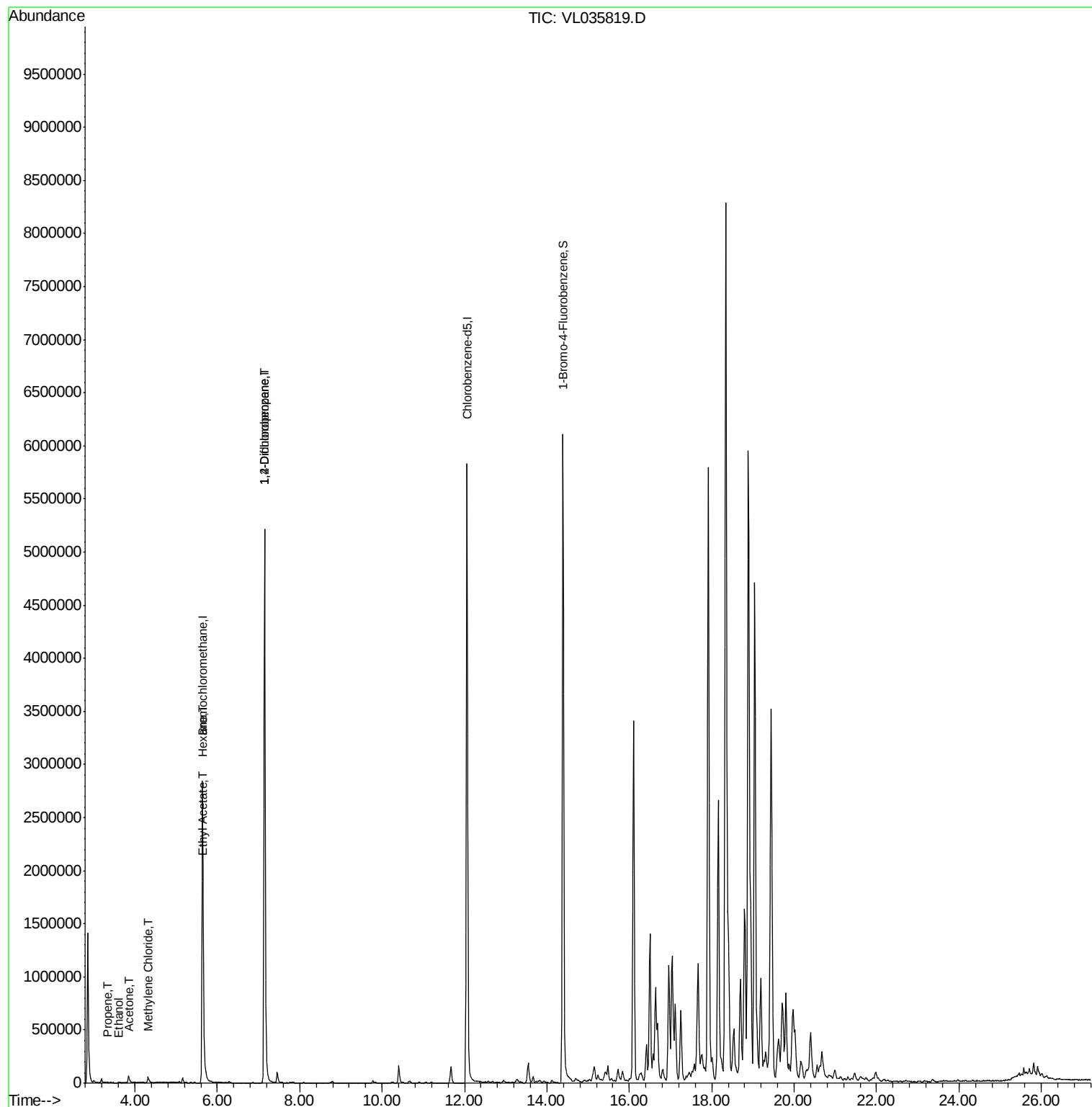
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.33	41	1791	0.034	ppbv	99
13) Ethanol	3.60	45	1371	0.121	ppbv #	35
15) Acetone	3.85	43	46764	0.367	ppbv #	73
20) Methylene Chloride	4.32	84	27512	0.307	ppbv	96
25) Ethyl Acetate	5.66	43	9753	0.039	ppbv #	71
26) Hexane	5.65	57	9201	0.066	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	962665	7.356	ppbv #	30

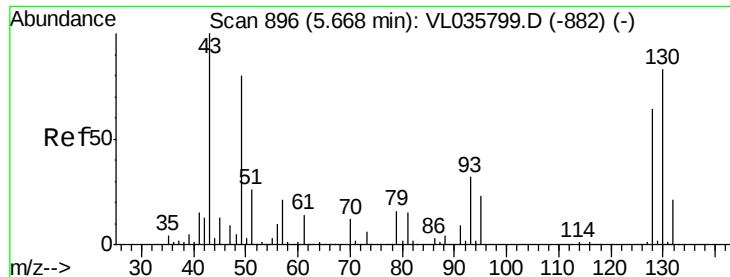
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035819.D

Acq: 4 Nov 2020 1:12

Instrument :
MSVOA_L
ClientSampleId :

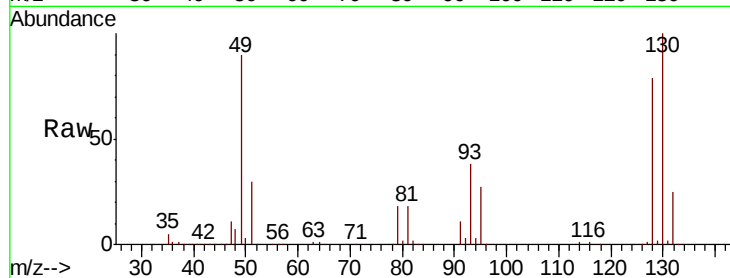
Tot Ion: 49 Resp: 1191279

Ion Ratio Lower Upper

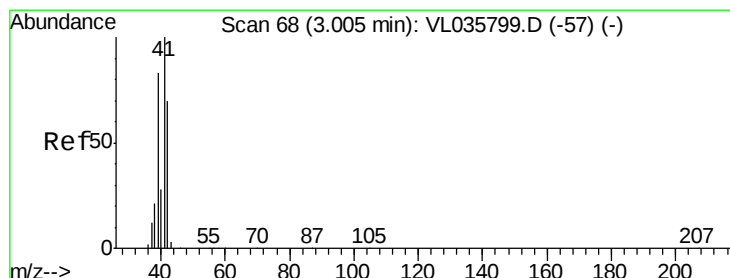
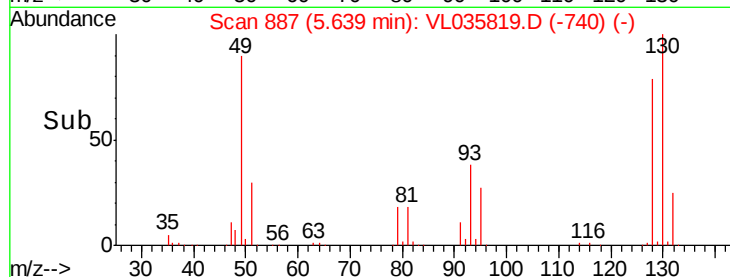
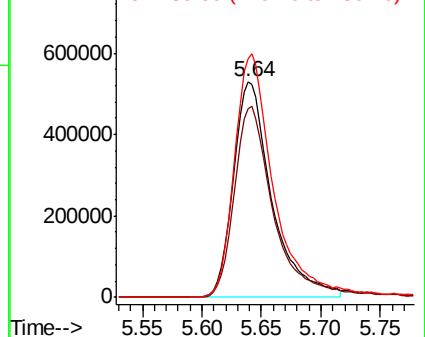
49 100

128 92.5 41.5 124.6

130 118.2 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0
800000 Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.034 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.32 min

Lab File: VL035819.D

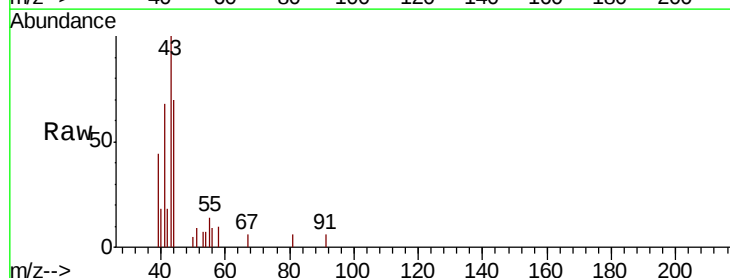
Acq: 4 Nov 2020 1:12

Tgt Ion: 41 Resp: 1791

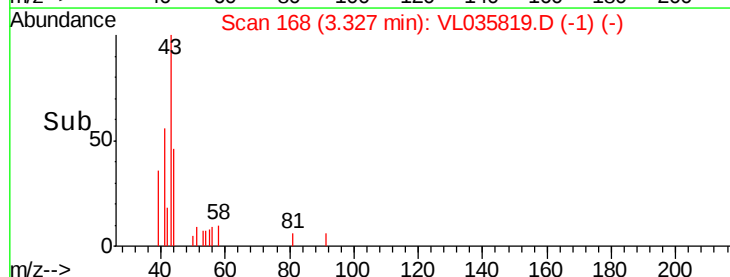
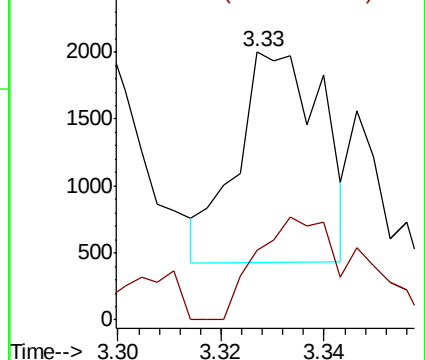
Ion Ratio Lower Upper

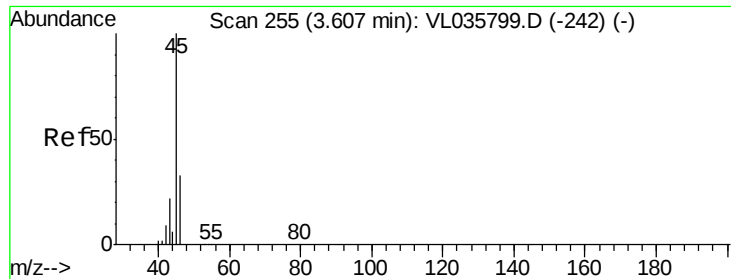
41 100

42 69.4 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0
2500 Ion 42.10 (41.80 to 42.80): VL0

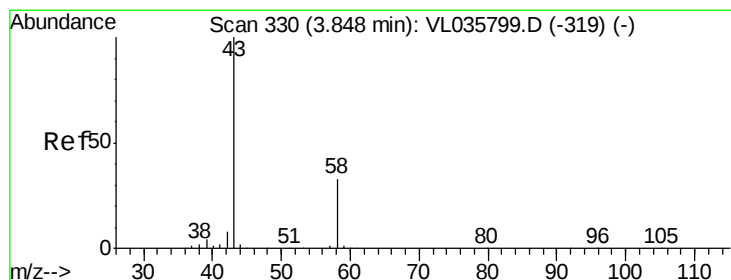
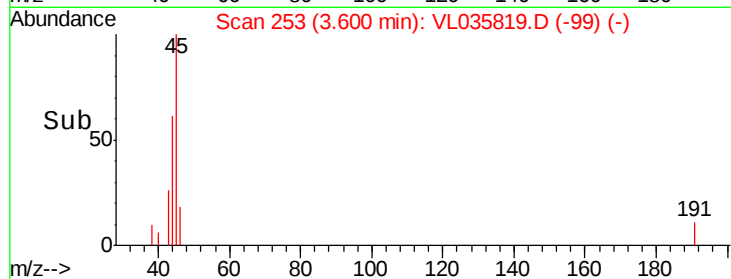
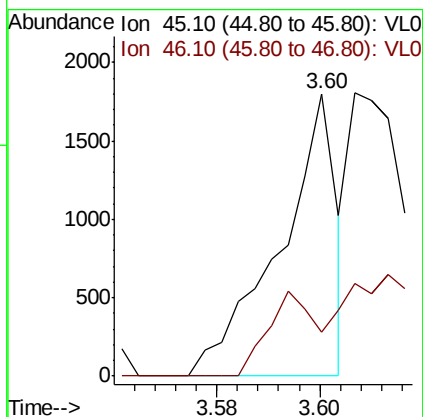
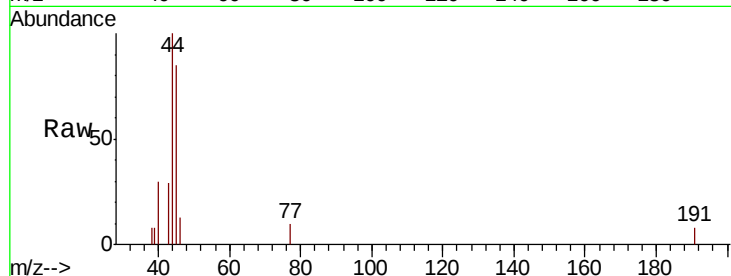




#13
Ethanol
Concen: 0.121 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL035819.D
Acq: 4 Nov 2020 1:12

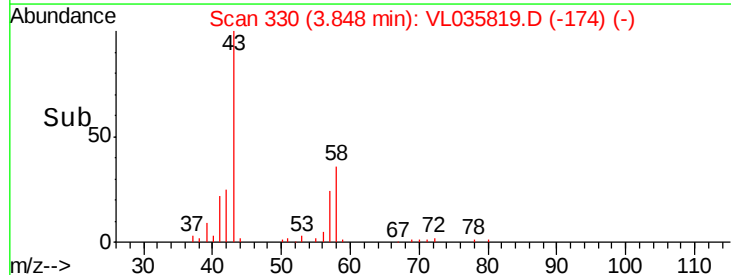
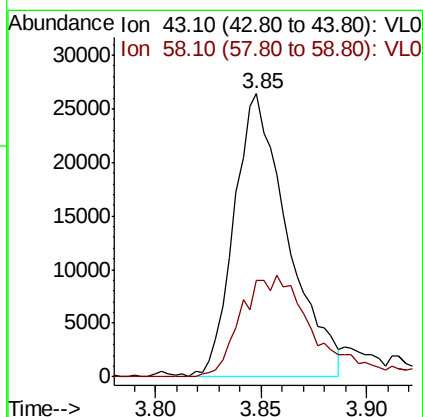
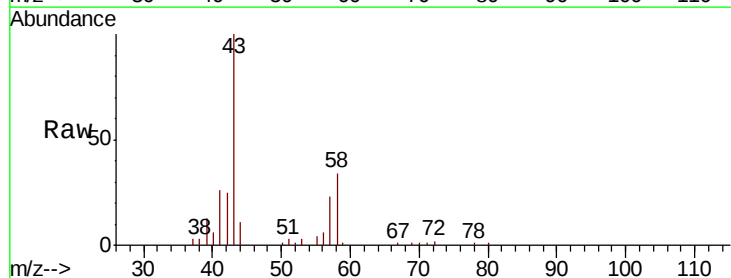
Instrument :
MSVOA_L
ClientSampled :

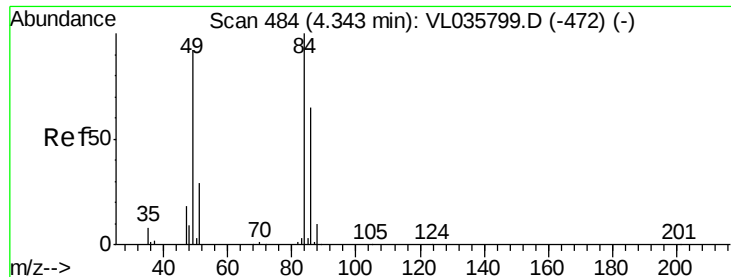
Tot Ion: 45 Resp: 1371
Ion Ratio Lower Upper
45 100
46 0.0 16.1 64.5#



#15
Acetone
Concen: 0.367 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL035819.D
Acq: 4 Nov 2020 1:12

Tgt Ion: 43 Resp: 46764
Ion Ratio Lower Upper
43 100
58 49.8 27.5 41.3#

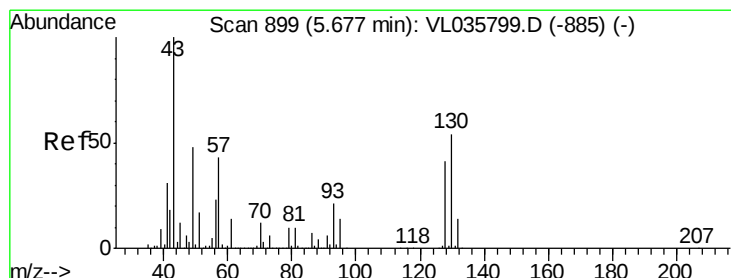
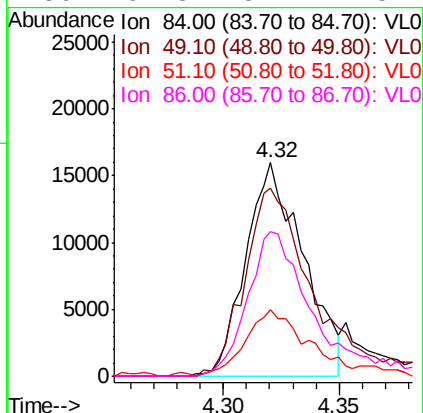
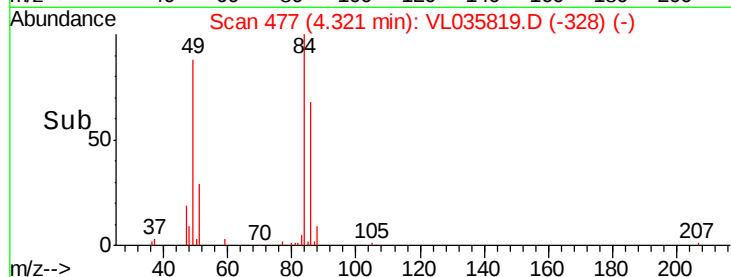
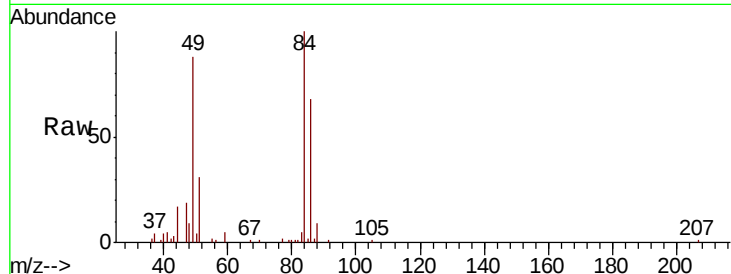




#20
Methvlene Chloride
Concen: 0.307 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035819.D
Acq: 4 Nov 2020 1:12

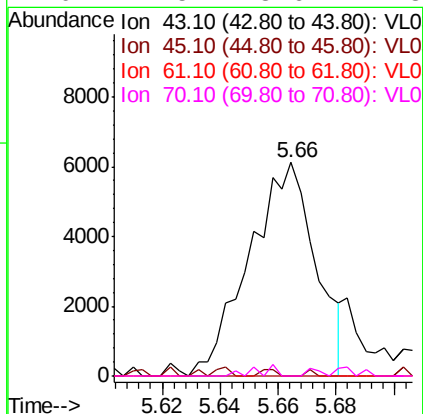
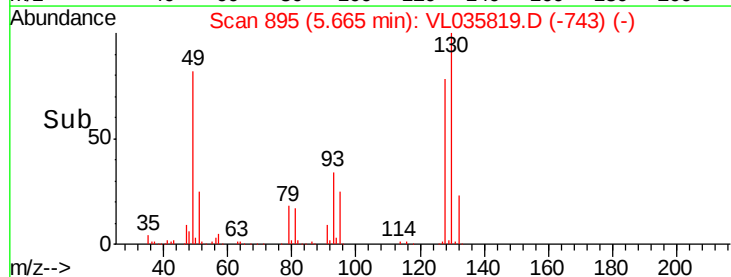
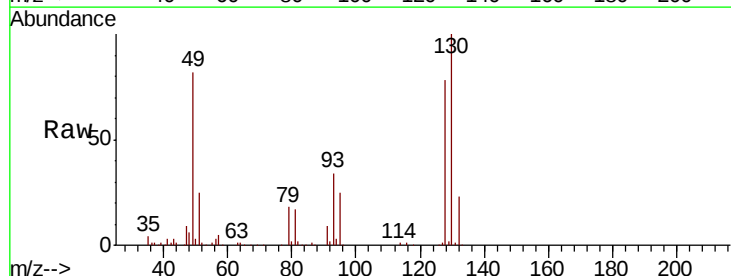
Instrument :
MSVOA_L
ClientSampled :

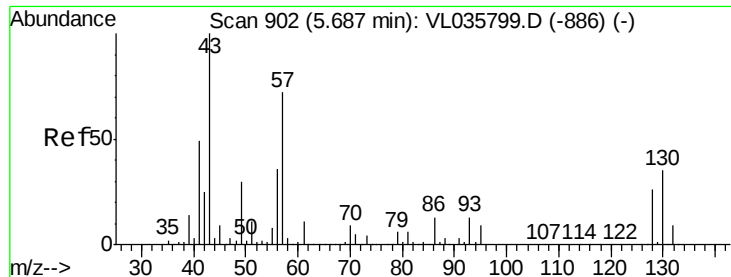
Tot Ion:	84	Resp:	27512
Ion	Ratio	Lower	Upper
84	100		
49	88.1	73.8	110.8
51	29.4	23.0	34.4
86	67.8	52.1	78.1



#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035819.D
Acq: 4 Nov 2020 1:12

Tgt Ion:	43	Resp:	9753
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.5	12.7#
61	0.0	10.7	16.1#
70	1.5	8.6	12.8#

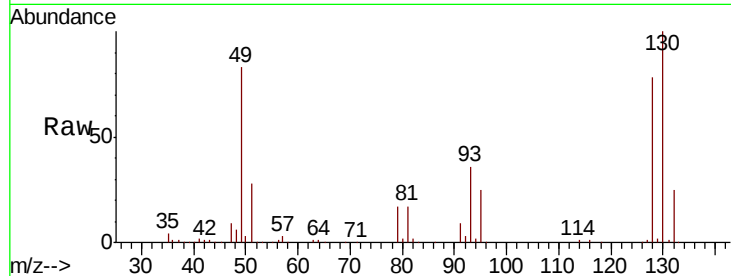




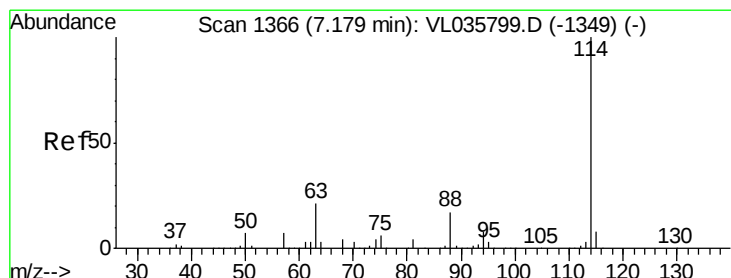
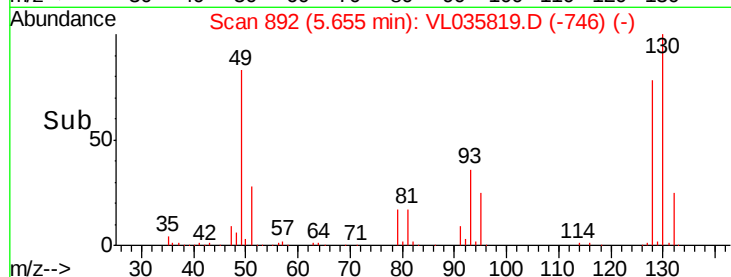
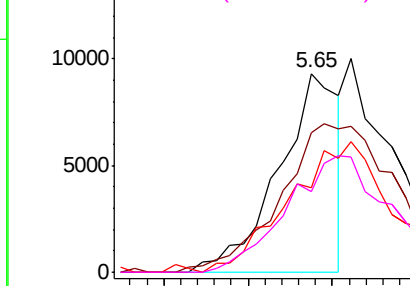
#26
Hexane
Concen: 0.066 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035819.D
Acq: 4 Nov 2020 1:12

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 9201
Ion Ratio Lower Upper
57 100
41 0.0 58.9 88.3#
43 0.0 150.2 225.2#
56 0.0 42.4 63.6#

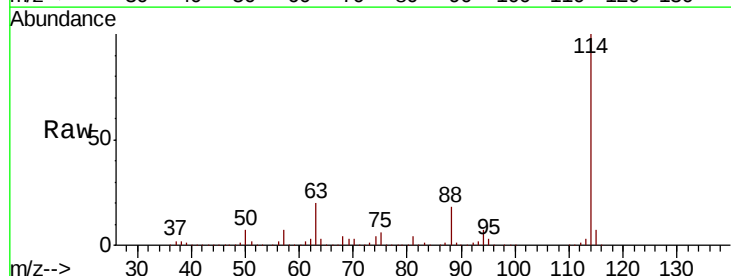


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

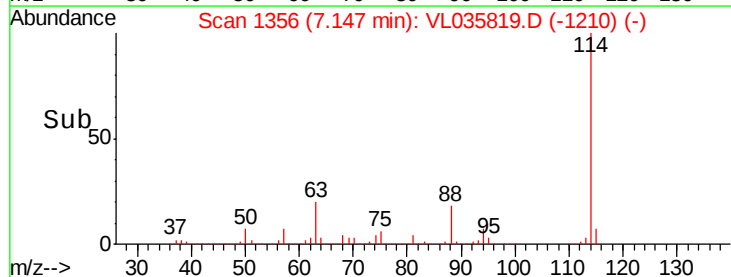
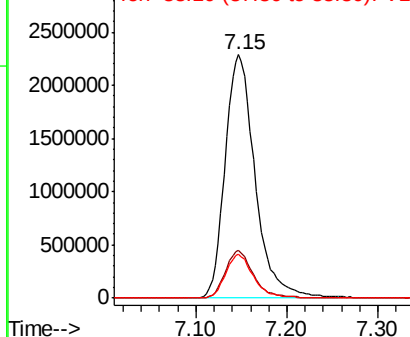


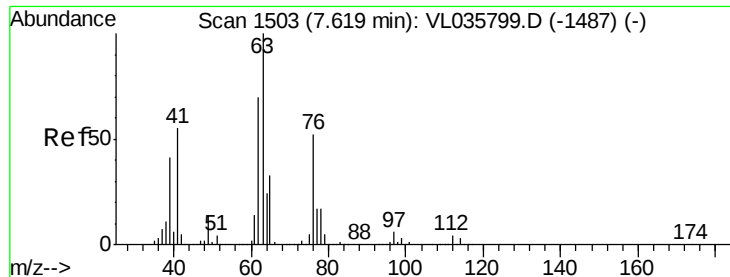
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL035819.D
Acq: 4 Nov 2020 1:12

Tgt Ion:114 Resp: 5228671
Ion Ratio Lower Upper
114 100
63 18.5 16.1 24.1
88 16.9 13.7 20.5



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

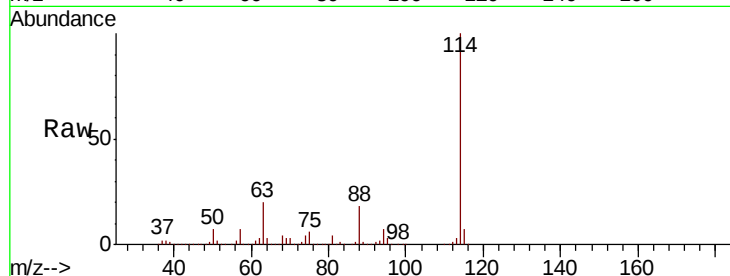




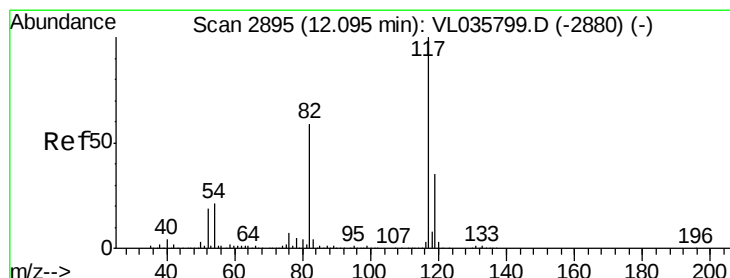
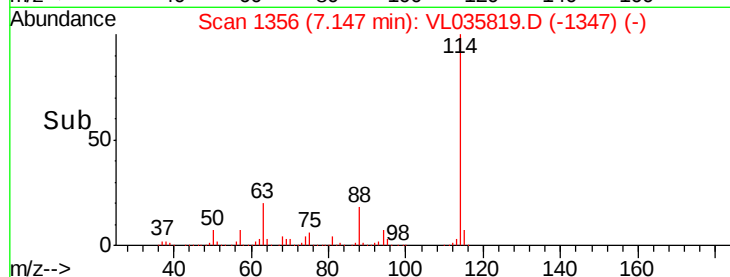
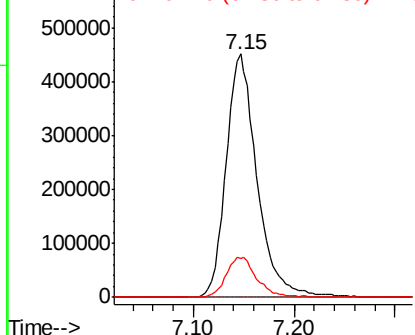
#39
 1,2-Dichloropropane
 Concen: 7.356 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.47 min
 Lab File: VL035819.D
 Acq: 4 Nov 2020 1:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	15.8	56.2	84.2#

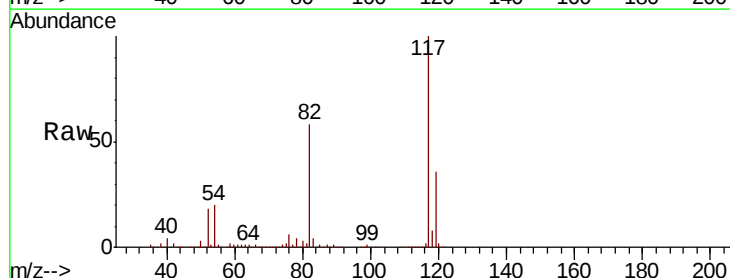


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

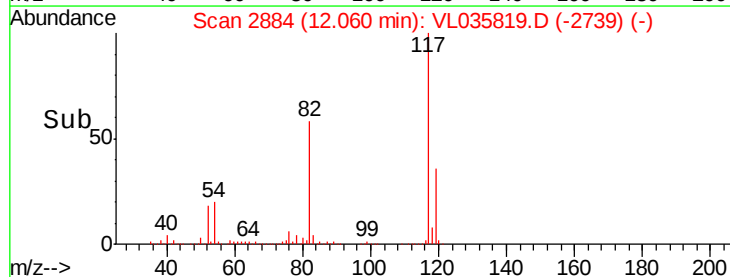
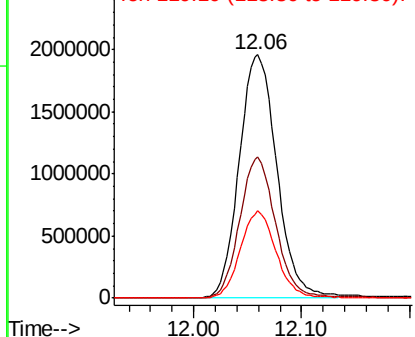


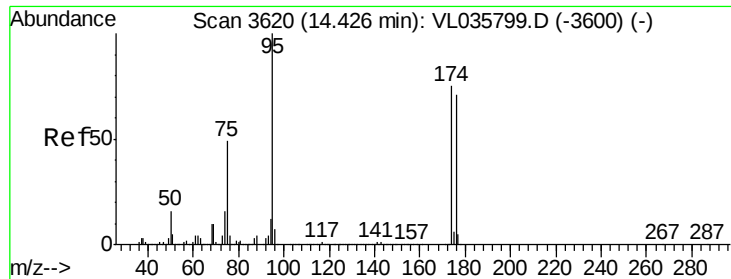
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.04 min
 Lab File: VL035819.D
 Acq: 4 Nov 2020 1:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	50.6	76.0
119	34.8	52.6	78.8#



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: 10.089 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL035819.D

Acq: 4 Nov 2020 1:12

Instrument :

MSVOA_L

ClientSampleId :

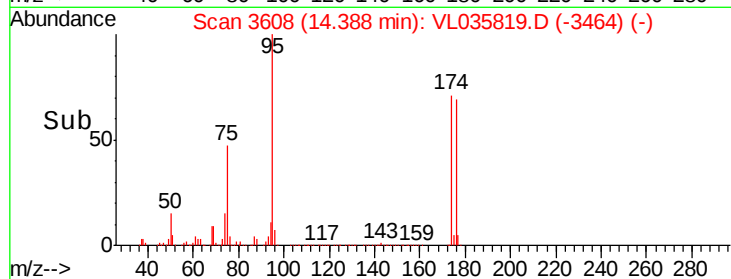
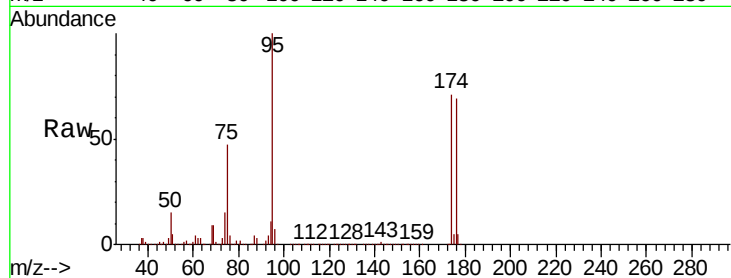
Tot Ion: 95 Resp: 3413759

Ion Ratio Lower Upper

95 100

174 76.5 59.8 89.6

175 5.4 4.3 6.5



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

