

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035958.D
 Acq On : 17 Nov 2020 00:30
 Operator : SY/AP
 Sample : L4722-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6DL

Manual Integrations
 APPROVED

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 11/18/2020 9:08:21 AM

Quant Time: Nov 17 11:18:44 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
 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	5.67	49	1228901	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4257972	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4019801	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2939390	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	48319	0.328	ppbv #	86
9) Propene	3.02	41	12590m	0.234	ppbv	
13) Ethanol	3.61	45	2761386	236.309	ppbv	95
15) Acetone	3.86	43	193772	1.475	ppbv	94
19) Isopropyl Alcohol	3.98	45	517031	6.404	ppbv #	95
20) Methylene Chloride	4.34	84	35288	0.382	ppbv	93
26) Hexane	5.69	57	16076	0.113	ppbv #	86

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

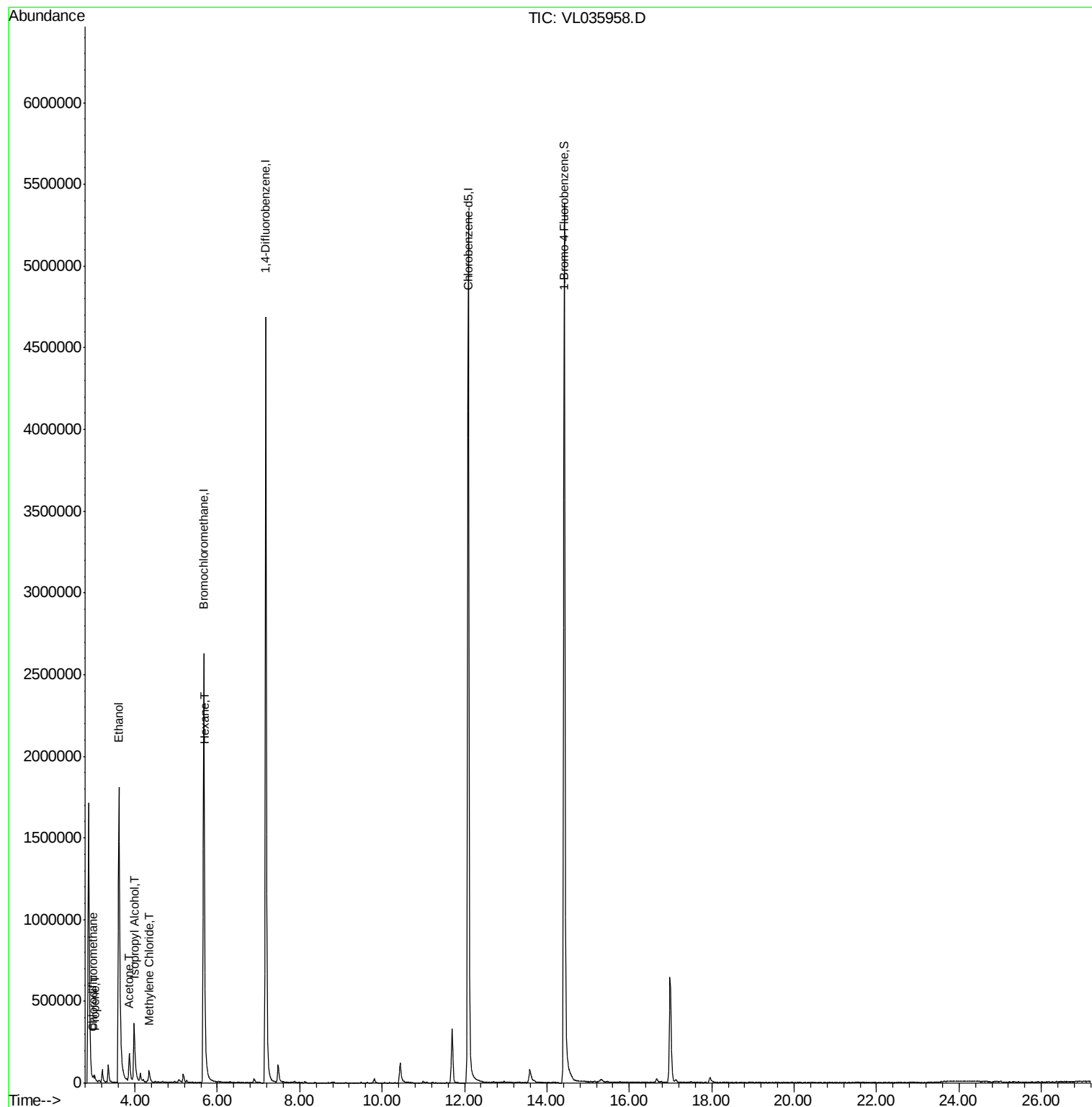
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111620\
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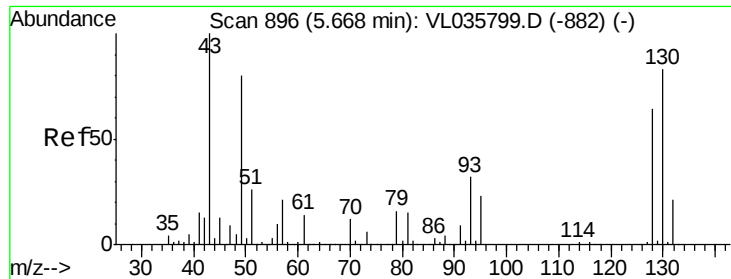
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035958.D

Acq: 17 Nov 2020 00:30

Instrument :

MSVOA_L

ClientSampled :

SR-6DL

Tot Ion: 49 Resp: 1228901

Ion Ratio Lower Upper

49 100

128 76.6 41.5 124.6

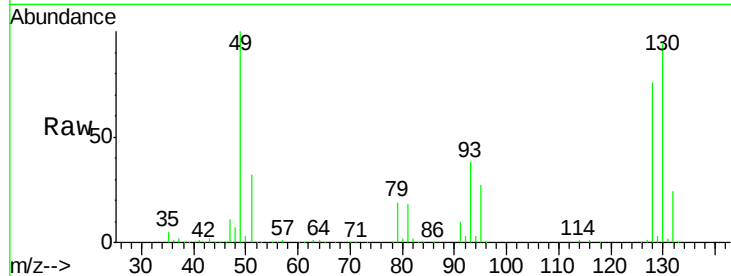
130 96.1 53.7 161.1

Manual Integrations

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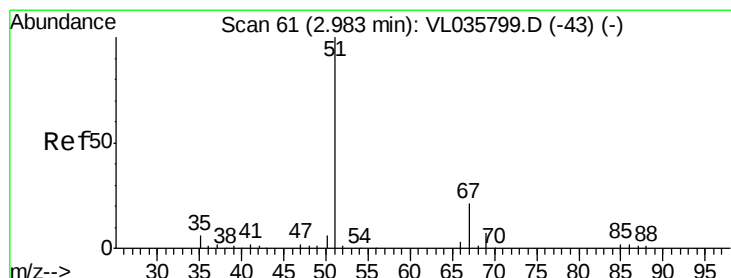
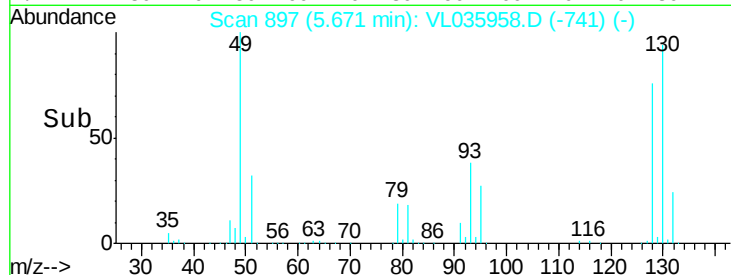
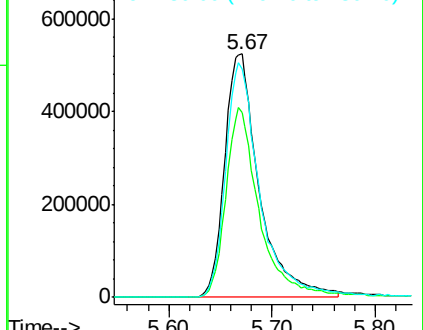
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.328 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035958.D

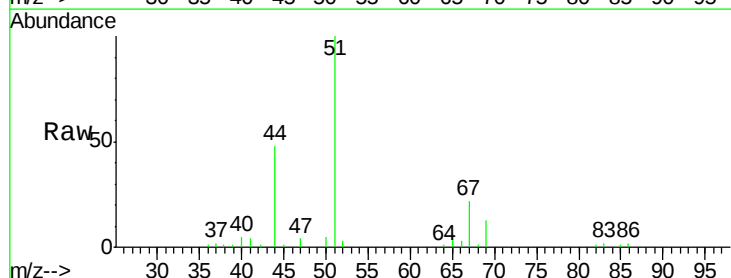
Acq: 17 Nov 2020 00:30

Tgt Ion: 51 Resp: 48319

Ion Ratio Lower Upper

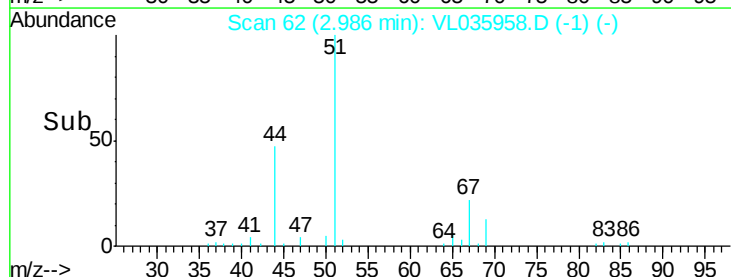
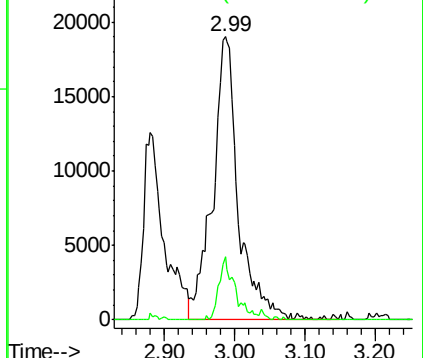
51 100

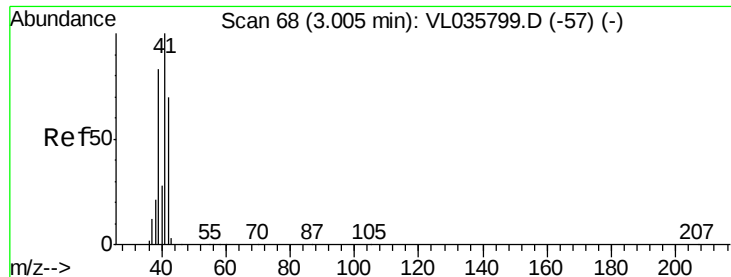
67 14.8 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.234 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL035958.D

Acq: 17 Nov 2020 00:30

Instrument :

MSVOA_L

ClientSampleId :

SR-6DL

Tot Ion: 41 Resp: 12590

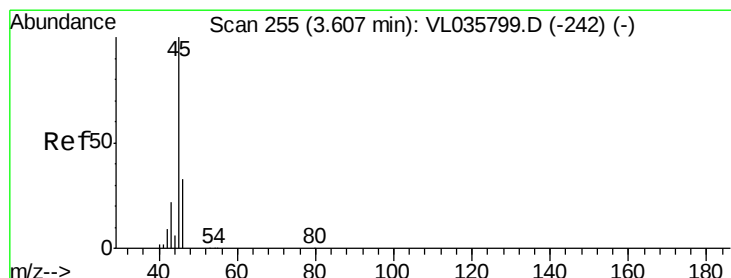
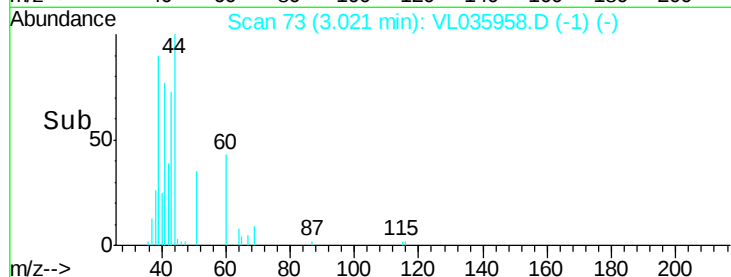
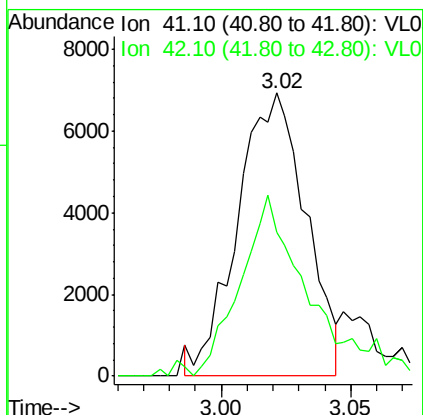
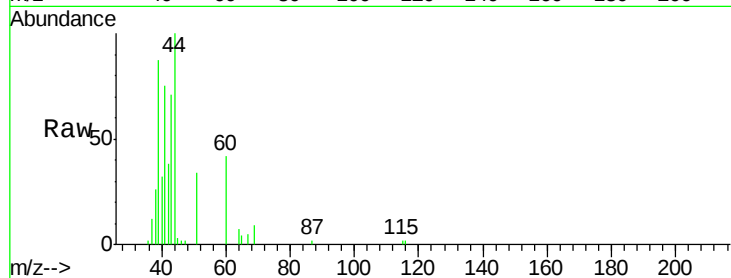
Ion Ratio Lower Upper

41 100

42 67.7 56.2 84.4

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#13

Ethanol

Concen: 236.309 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL035958.D

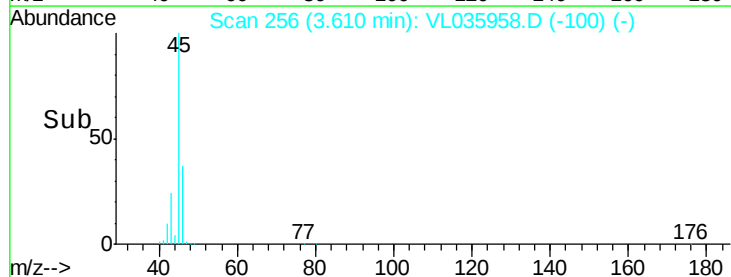
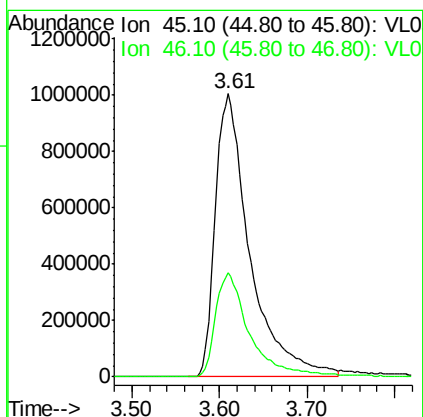
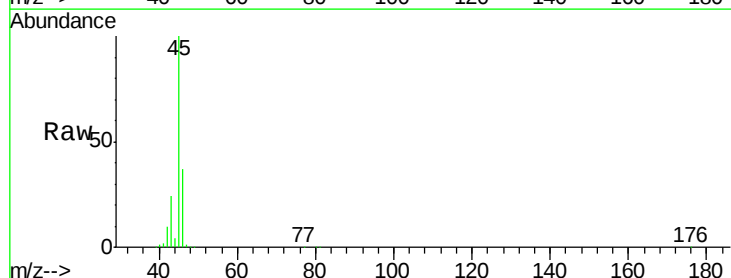
Acq: 17 Nov 2020 00:30

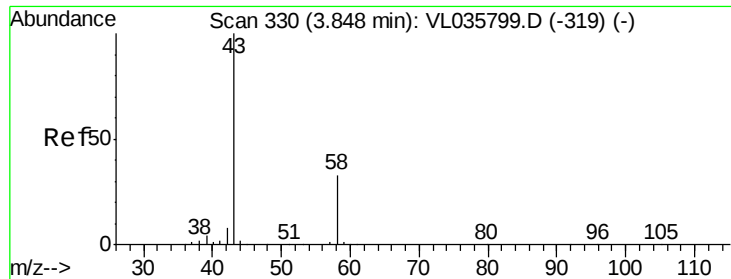
Tgt Ion: 45 Resp: 2761386

Ion Ratio Lower Upper

45 100

46 36.9 16.1 64.5





#15

Acetone

Concen: 1.475 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035958.D

Acq: 17 Nov 2020 00:30

Instrument :

MSVOA_L

ClientSampled :

SR-6DL

Tot Ion: 43 Resp: 193772

Ion Ratio Lower Upper

43 100

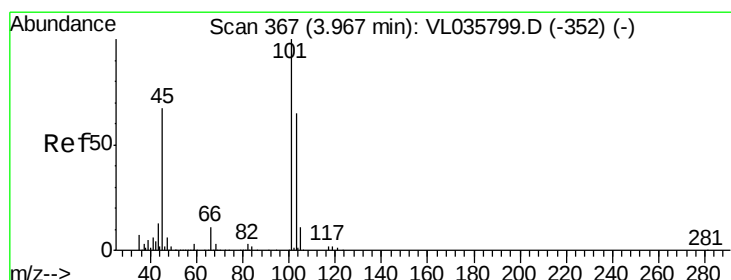
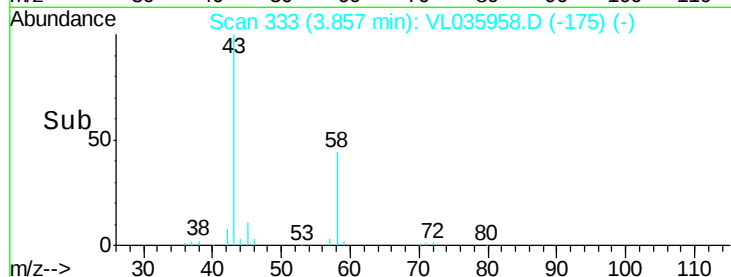
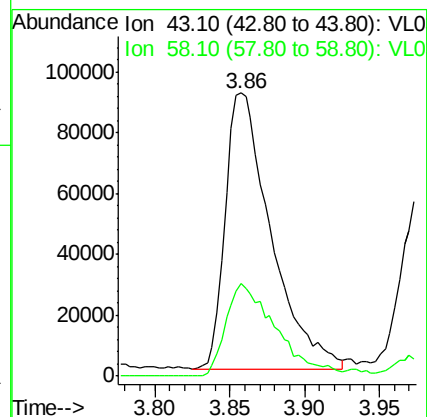
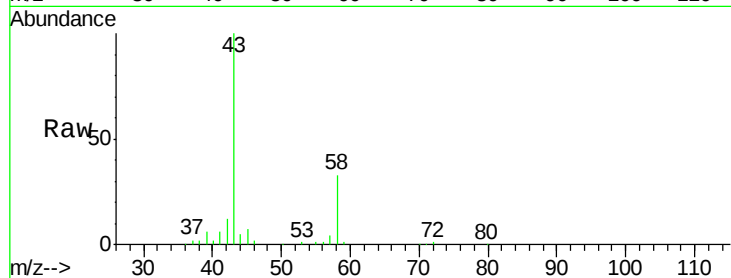
58 37.8 27.5 41.3

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#19

Isopropyl Alcohol

Concen: 6.404 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL035958.D

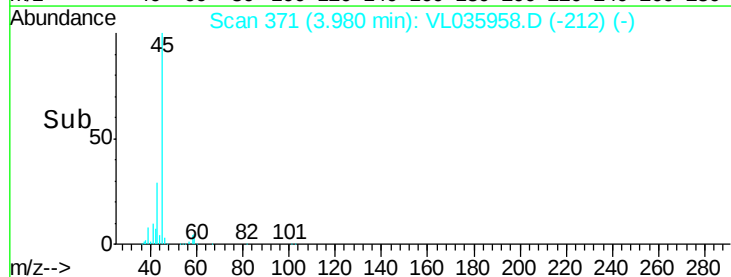
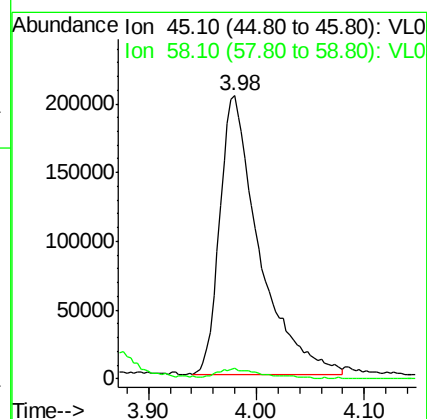
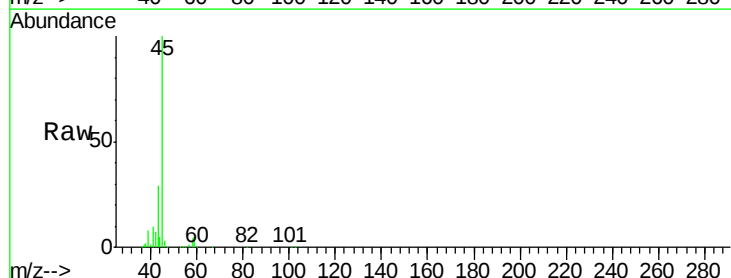
Acq: 17 Nov 2020 00:30

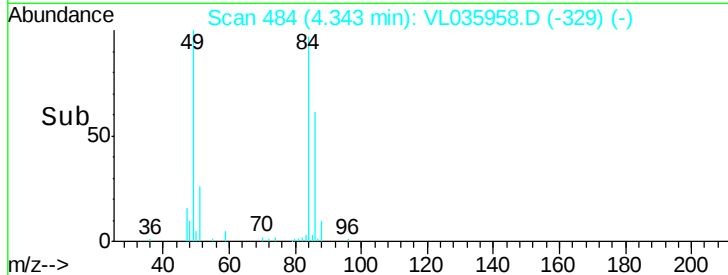
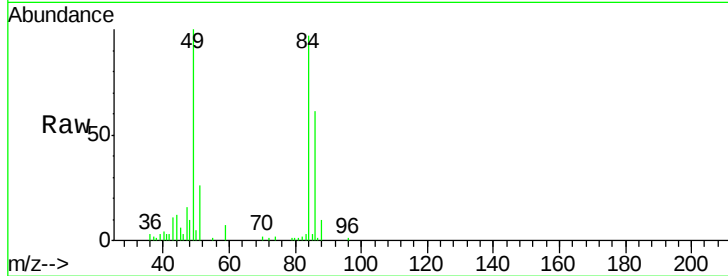
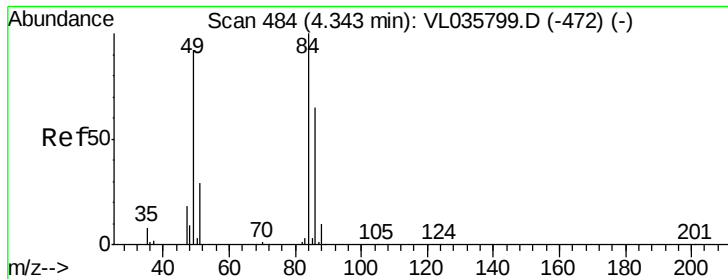
Tgt Ion: 45 Resp: 517031

Ion Ratio Lower Upper

45 100

58 5.0 2.6 3.8#





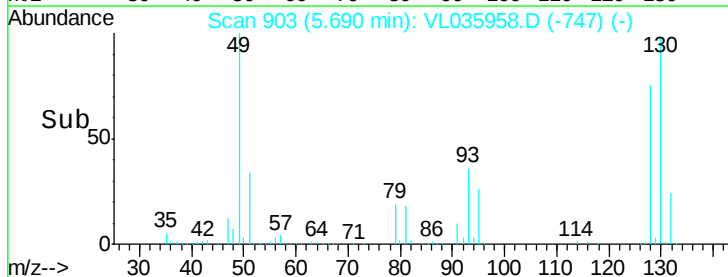
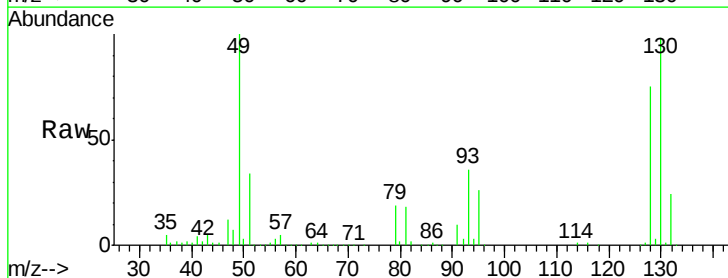
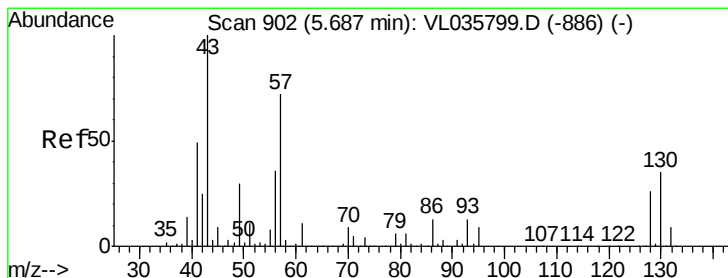
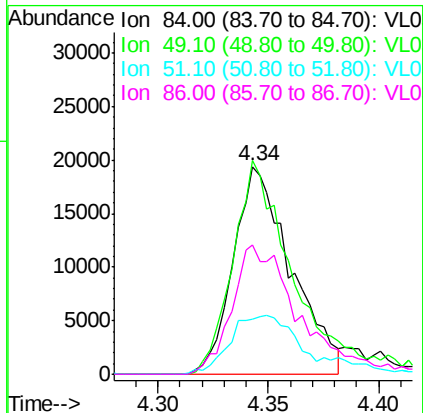
#20
Methvlene Chloride
Concen: 0.382 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL035958.D
Acq: 17 Nov 2020 00:30

Tot Ion	84	Resp	35288
Ion Ratio	Lower	Upper	
84	100		
49	102.8	73.8	110.8
51	25.6	23.0	34.4
86	62.5	52.1	78.1

Instrument :
MSVOA_L
ClientSampleId :
SR-6DL

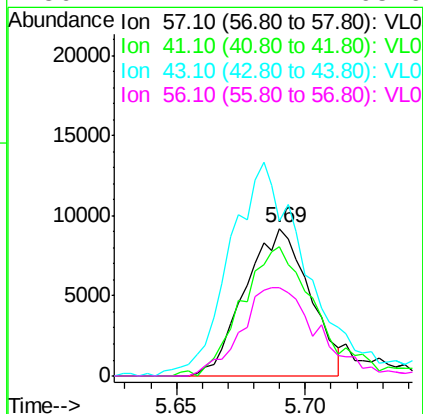
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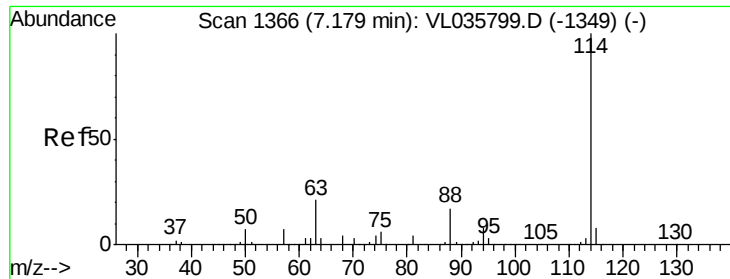
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#26
Hexane
Concen: 0.113 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035958.D
Acq: 17 Nov 2020 00:30

Tgt Ion	57	Resp	16076
Ion Ratio	Lower	Upper	
57	100		
41	103.1	58.9	88.3#
43	185.0	150.2	225.2
56	71.7	42.4	63.6#





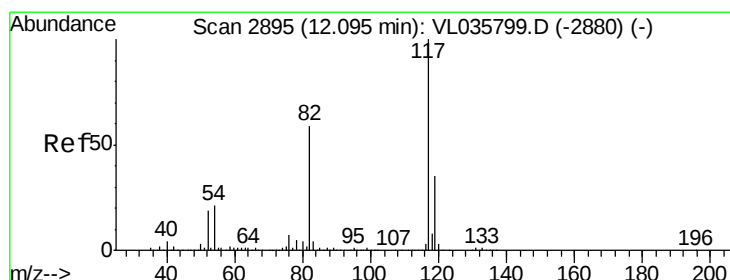
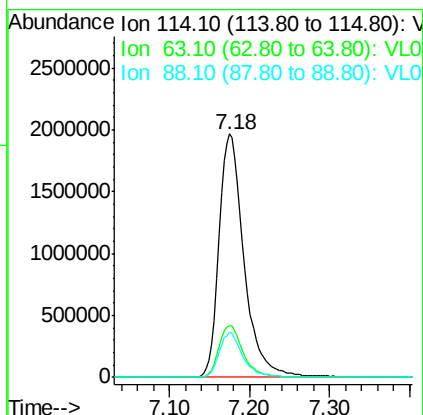
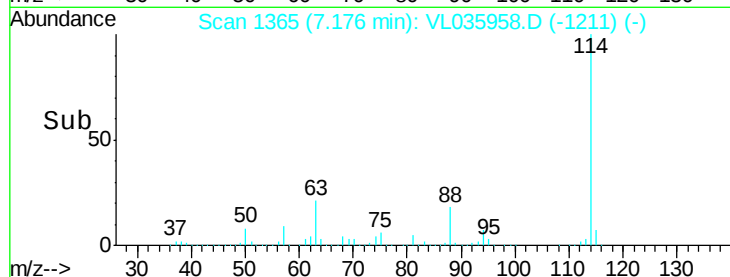
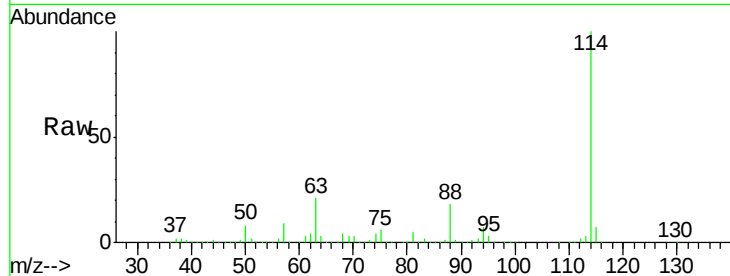
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035958.D
 Acq: 17 Nov 2020 00:30

Instrument :
 MSVOA_L
 ClientSampled :
 SR-6DL

Tot Ion:114 Resp: 4257972
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.1 24.1
 88 17.5 13.7 20.5

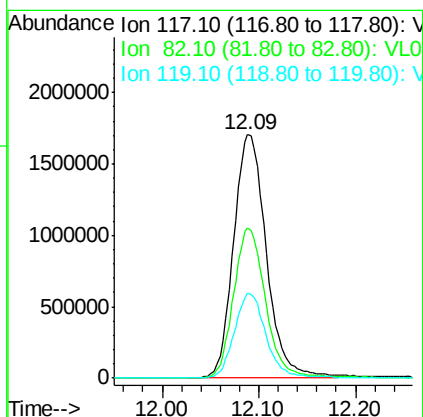
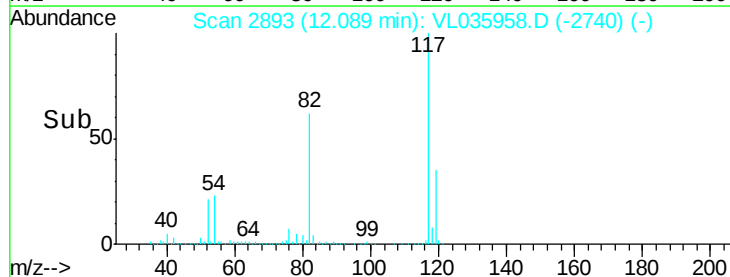
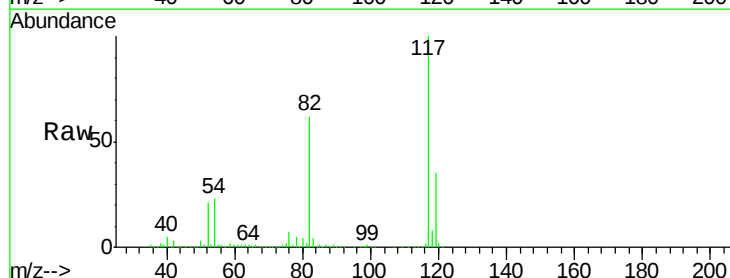
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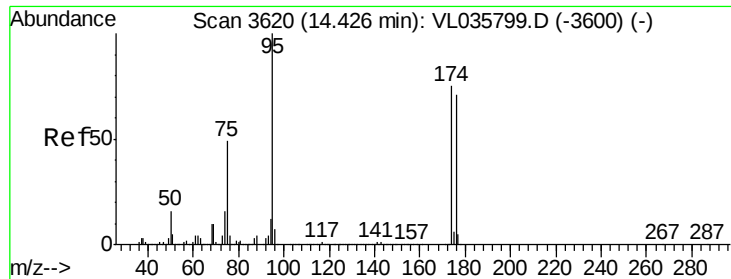
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL035958.D
 Acq: 17 Nov 2020 00:30

Tgt Ion:117 Resp: 4019801
 Ion Ratio Lower Upper
 117 100
 82 61.4 50.6 76.0
 119 34.1 52.6 78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.292 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL035958.D
 Acq: 17 Nov 2020 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6DL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	72.4	59.8	89.6	
175	5.1	4.3	6.5	

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