

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036015.D
 Acq On : 25 Nov 2020 4:54
 Operator : SY/AP
 Sample : L4883-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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 11/27/2020 1:17:46 PM

Quant Time: Nov 25 07:40:09 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	1316664	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4916782	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4560501	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3445226	10.63	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	7520m	0.130	ppbv	
13) Ethanol	3.60	45	34154m	2.728	ppbv	
15) Acetone	3.84	43	196646	1.397	ppbv #	87
19) Isopropyl Alcohol	3.97	45	14969	0.173	ppbv #	90
20) Methylene Chloride	4.32	84	55853	0.564	ppbv	98
26) Hexane	5.66	57	22603m	0.148	ppbv	
34) 2-Butanone	5.24	43	22503	0.141	ppbv	93

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

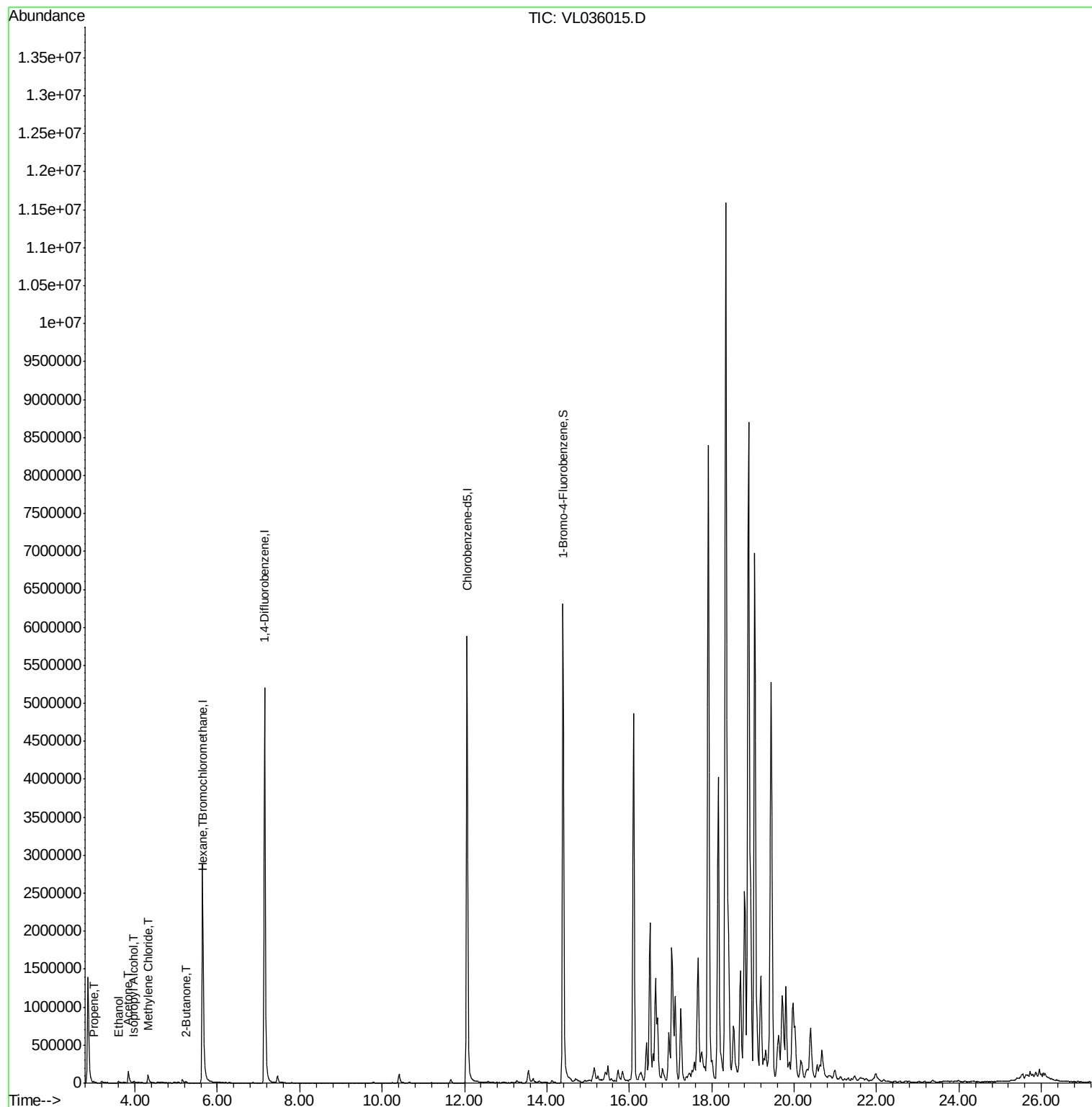
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112420\
Data File : VL036015.D
Acq On : 25 Nov 2020 4:54
Operator : SY/AP
Sample : L4883-03DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

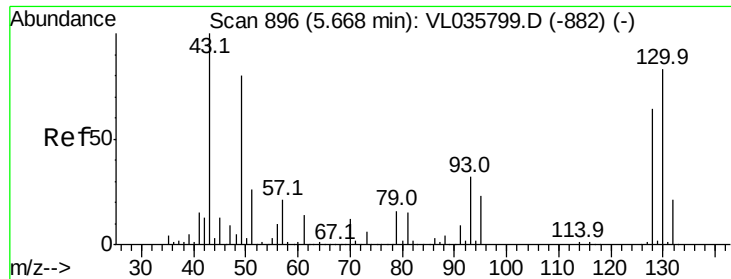
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06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





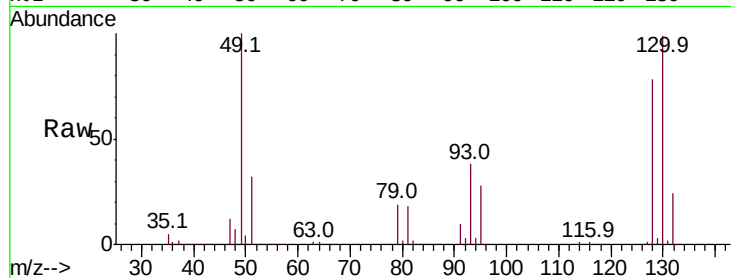
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.03 min
 Lab File: VL036015.D
 Acq: 25 Nov 2020 4:54

Instrument :
 MSVOA_L
 ClientSampled :
 SV1DL

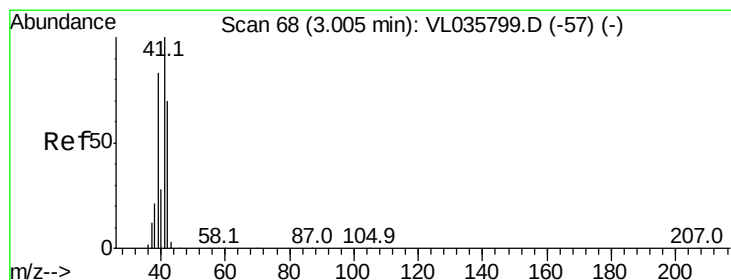
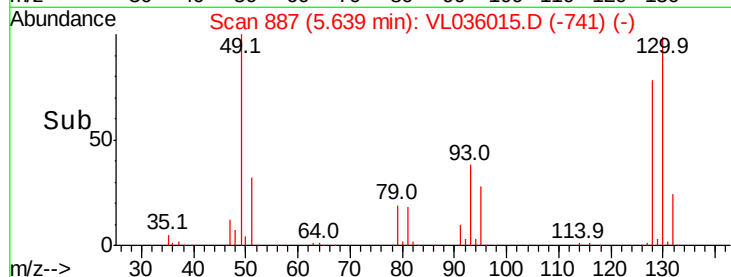
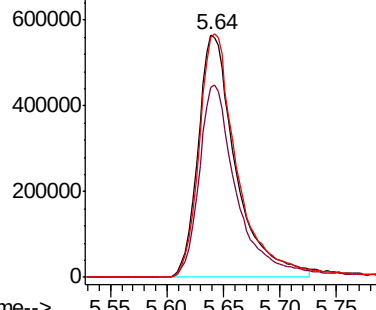
Tot Ion: 49 Resp: 1316664
 Ion Ratio Lower Upper
 49 100
 128 81.5 41.5 124.6
 130 104.2 53.7 161.1

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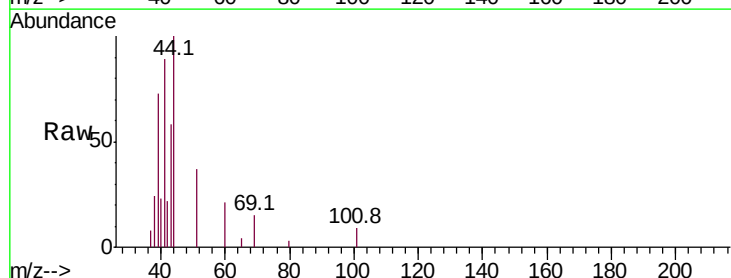


Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V

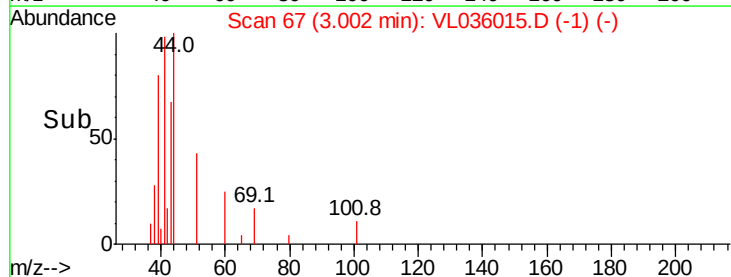
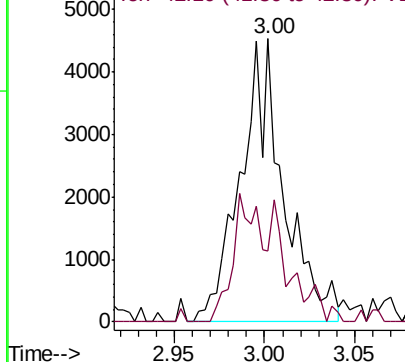


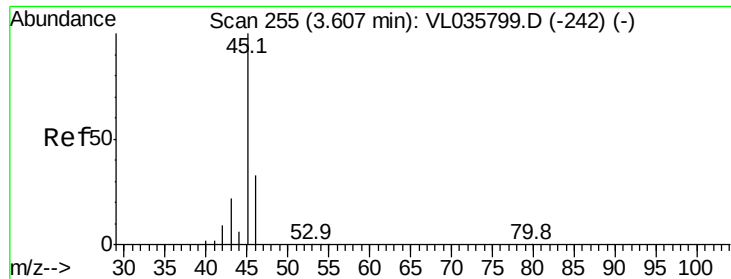
#9
 Propene
 Concen: 0.130 ppbv m
 RT: 3.00 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: VL036015.D
 Acq: 25 Nov 2020 4:54

Tgt Ion: 41 Resp: 7520
 Ion Ratio Lower Upper
 41 100
 42 49.6 56.2 84.4#



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





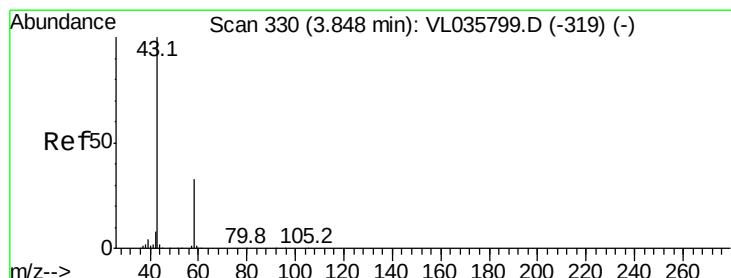
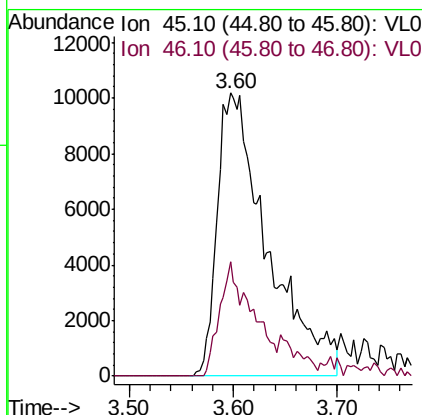
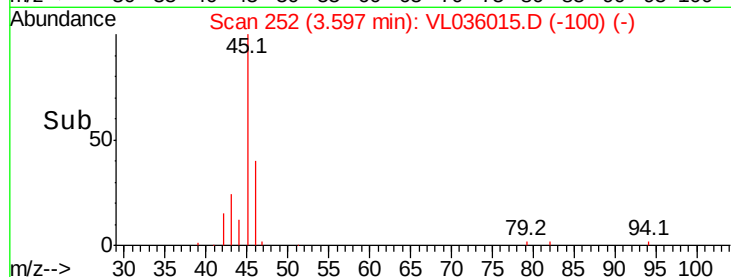
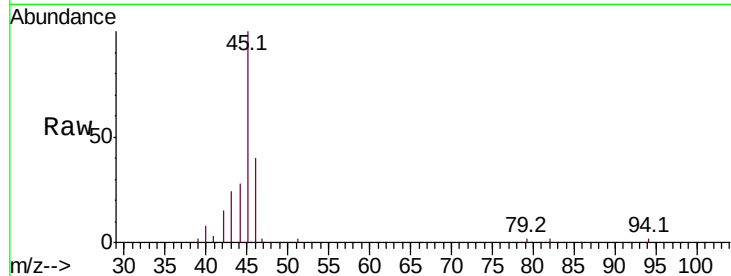
#13
Ethanol
Concen: 2.728 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion	45	46	Ratio	100	32.3	Resp	34154	Lower	Upper
45	100								
46		32.3						16.1	64.5

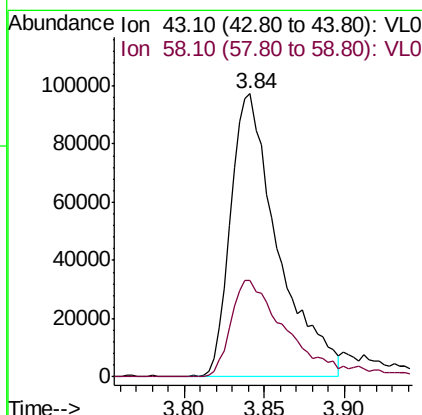
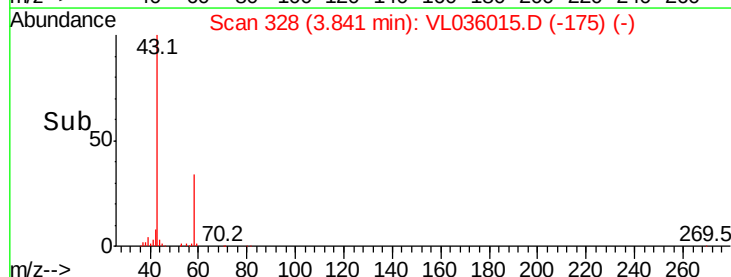
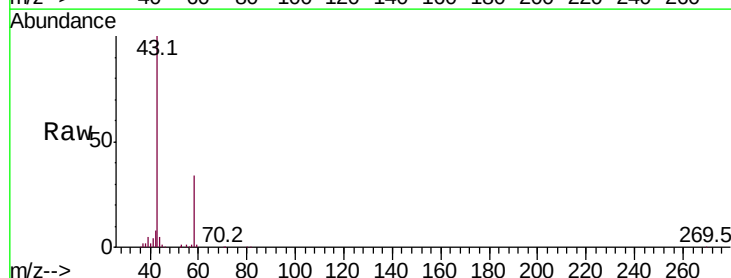
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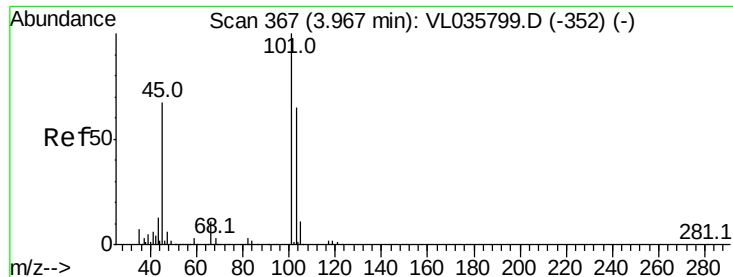
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#15
Acetone
Concen: 1.397 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

Tgt Ion	43	58	Ratio	100	41.8	Resp	196646	Lower	Upper
43	100								
58		41.8						27.5	41.3#





#19

Isopropyl Alcohol

Concen: 0.173 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

Instrument :

MSVOA_L

ClientSampled :

SV1DL

Tot Ion: 45 Resp: 14969

Ion Ratio Lower Upper

45 100

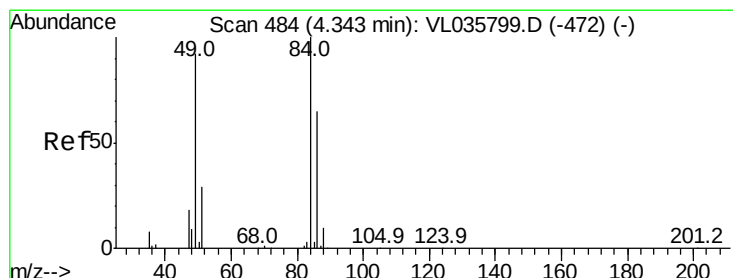
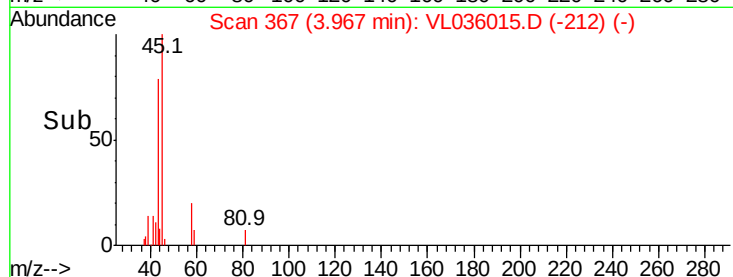
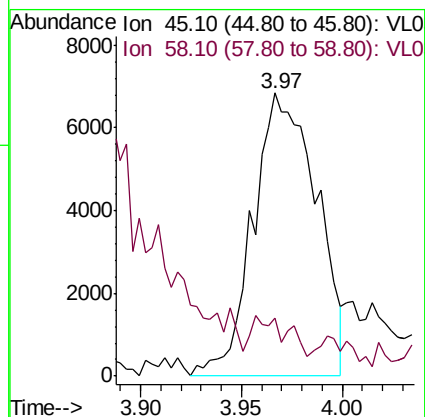
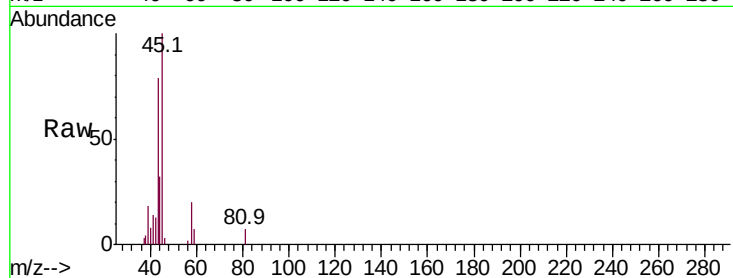
58 0.0 2.6 3.8#

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#20

Methylene Chloride

Concen: 0.564 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

Tgt Ion: 84 Resp: 55853

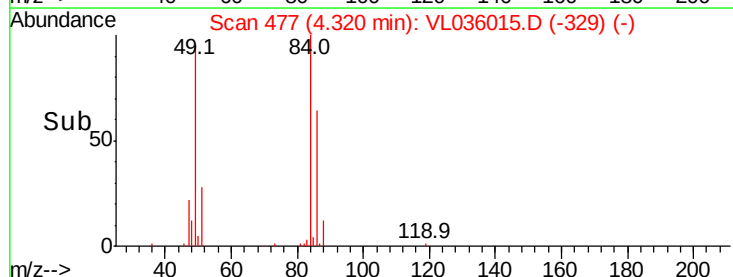
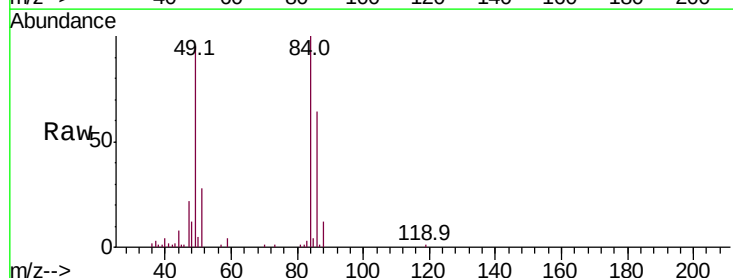
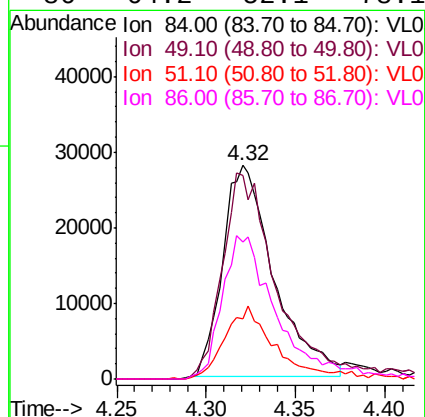
Ion Ratio Lower Upper

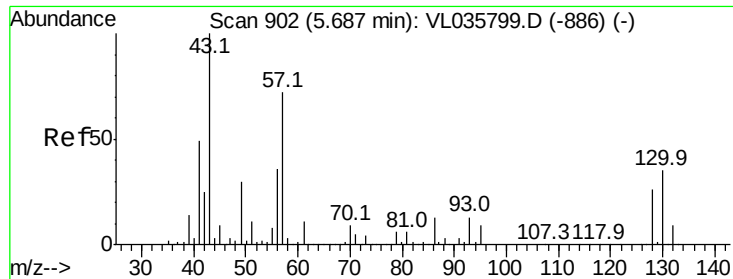
84 100

49 94.8 73.8 110.8

51 27.8 23.0 34.4

86 64.2 52.1 78.1





#26

Hexane

Concen: 0.148 ppbv m

RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 57 Resp: 22603

Ion Ratio Lower Upper

57 100

41 83.8 58.9 88.3

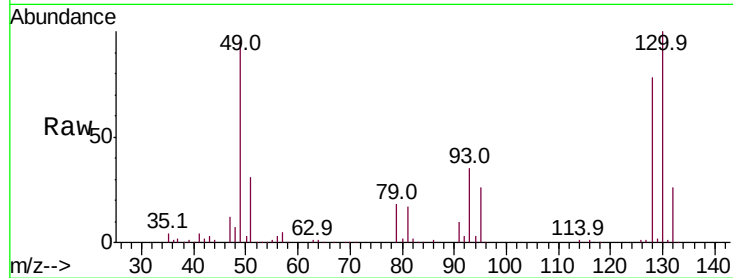
43 72.8 150.2 225.2#

56 61.8 42.4 63.6

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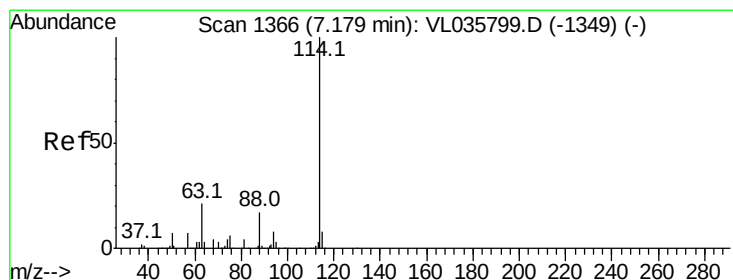
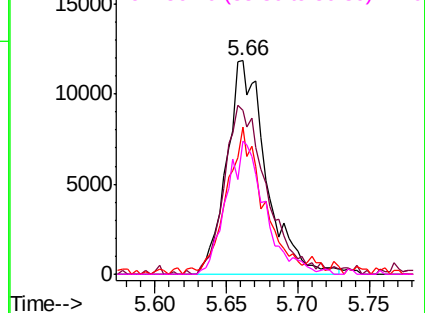
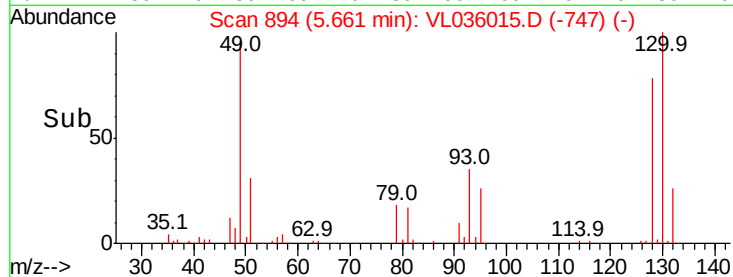


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: VL036015.D

Acq: 25 Nov 2020 4:54

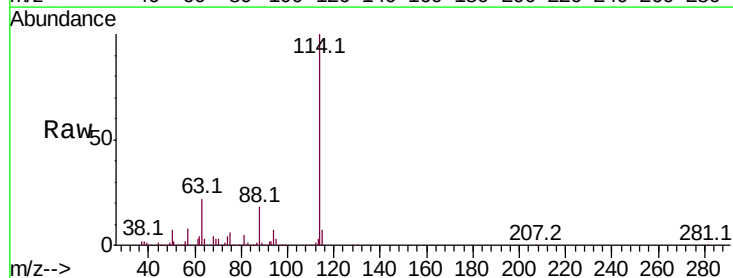
Tgt Ion: 114 Resp: 4916782

Ion Ratio Lower Upper

114 100

63 20.4 16.1 24.1

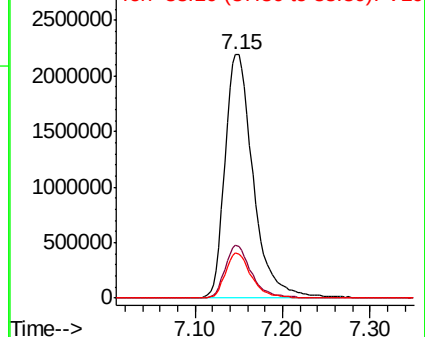
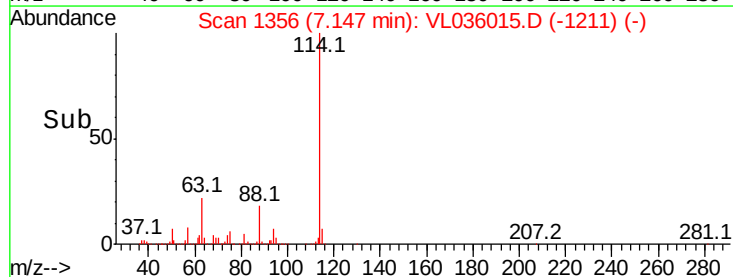
88 17.4 13.7 20.5

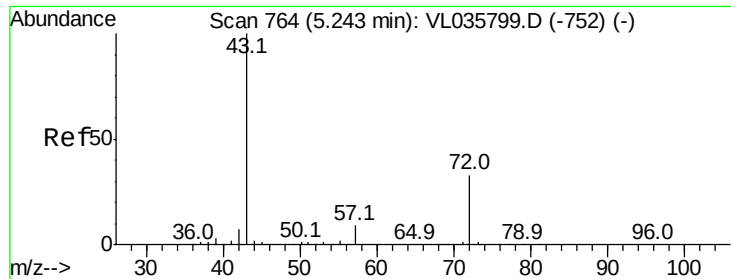


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.141 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

Instrument :

MSVOA_L

ClientSampled :

SV1DL

Tot Ion: 43 Resp: 22503

Ion Ratio Lower Upper

43 100

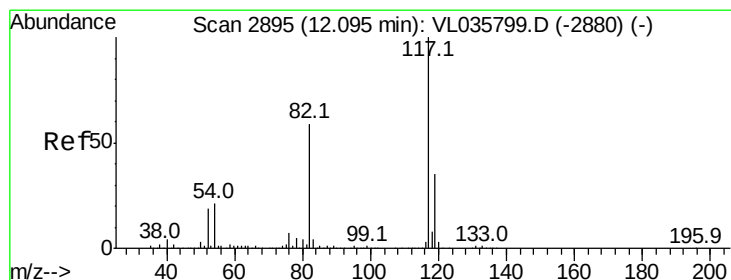
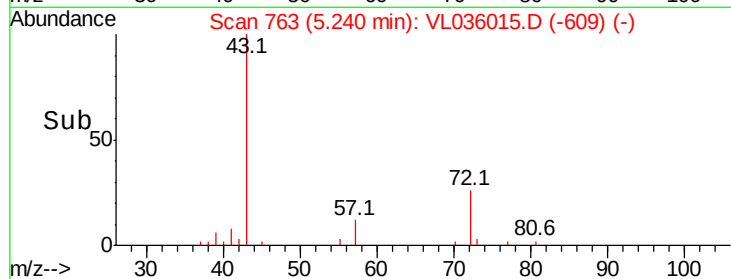
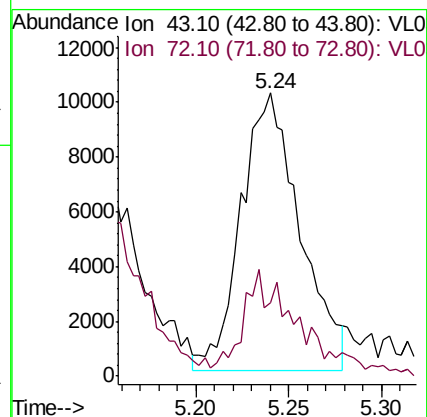
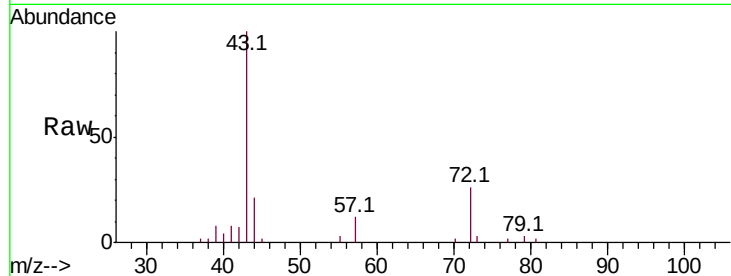
72 37.2 26.5 39.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

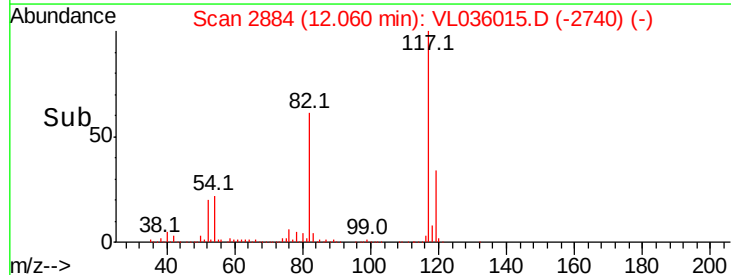
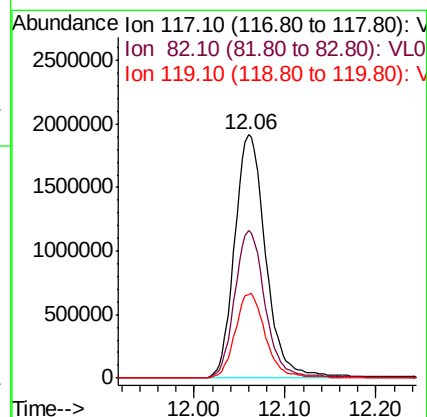
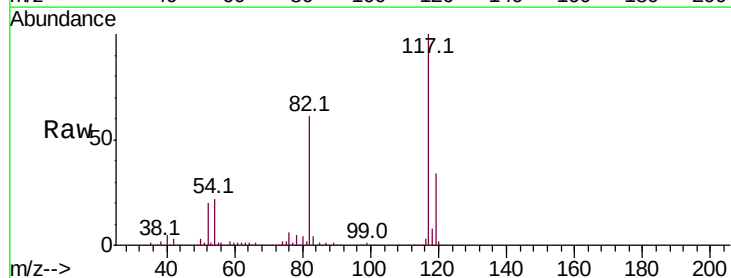
Tgt Ion: 117 Resp: 4560501

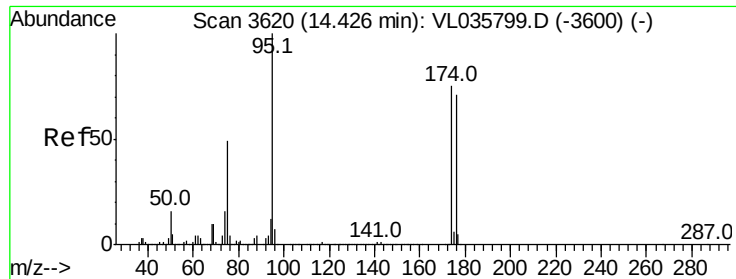
Ion Ratio Lower Upper

117 100

82 60.2 50.6 76.0

119 34.6 52.6 78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.633 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.04 min
 Lab File: VL036015.D
 Acq: 25 Nov 2020 4:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.4	59.8	89.6
175	5.3	4.3	6.5

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