

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035751.D
 Acq On : 8 Oct 2020 18:54
 Operator : SY/AP
 Sample : L4312-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
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 10/12/2020 10:29:58 AM

Quant Time: Oct 09 02:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1295979	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4876958	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4761363	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	3585124	10.05	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	14592	0.288	ppbv #	75
13) Ethanol	3.61	45	47870	3.835	ppbv	99
15) Acetone	3.85	43	197233	1.414	ppbv	91
19) Isopropyl Alcohol	3.98	45	17994	0.237	ppbv #	1
20) Methylene Chloride	4.34	84	56925	0.556	ppbv	98
26) Hexane	5.68	57	23785	0.173	ppbv #	59
34) 2-Butanone	5.25	43	21396	0.133	ppbv	96
72) 4-Ethyltoluene	15.85	105	51533	0.103	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.01	105	83190	0.176	ppbv	89
74) 1,2,4-Trimethylbenzene	16.78	105	189434	0.356	ppbv #	71
76) 1,4-Dichlorobenzene	17.15	146	49173m	0.141	ppbv	

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

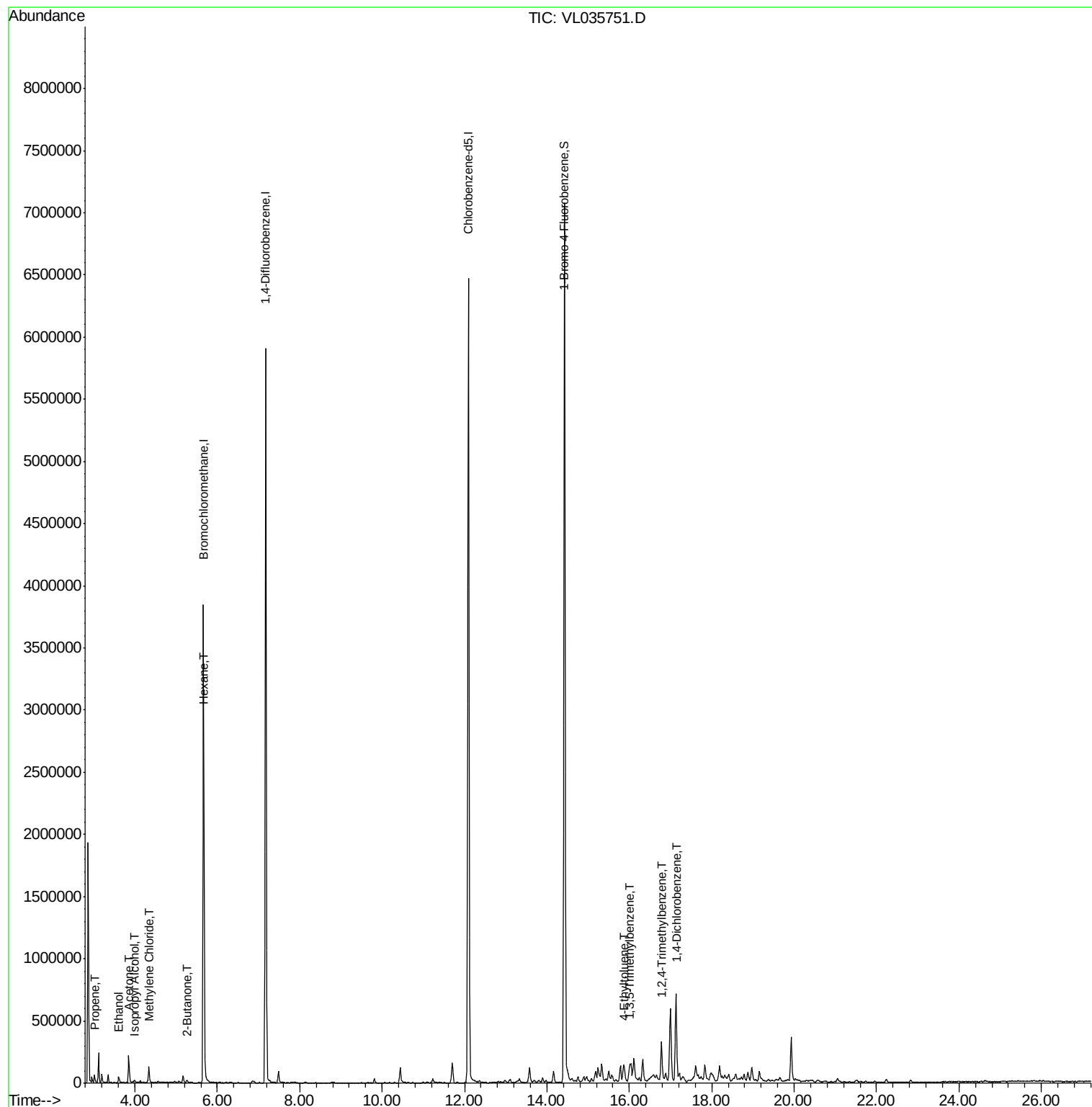
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100820\
Data File : VL035751.D
Acq On : 8 Oct 2020 18:54
Operator : SY/AP
Sample : L4312-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

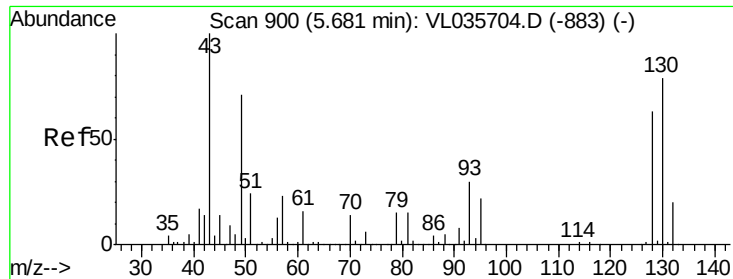
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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Quant Time: Oct 09 02:23:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035751.D

Acq: 8 Oct 2020 18:54

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion: 49 Resp: 1295979

Ion Ratio Lower Upper

49 100

128 85.0 43.1 129.4

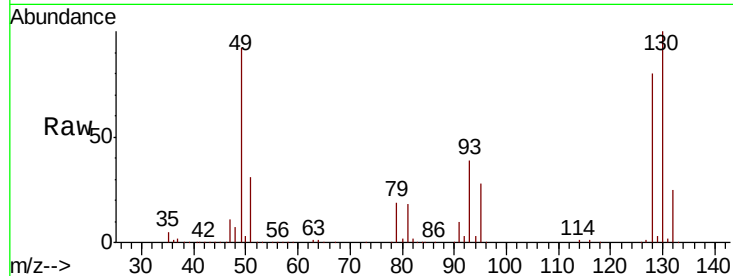
130 109.1 54.9 164.7

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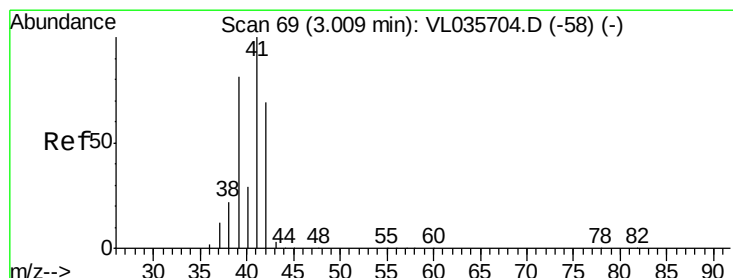
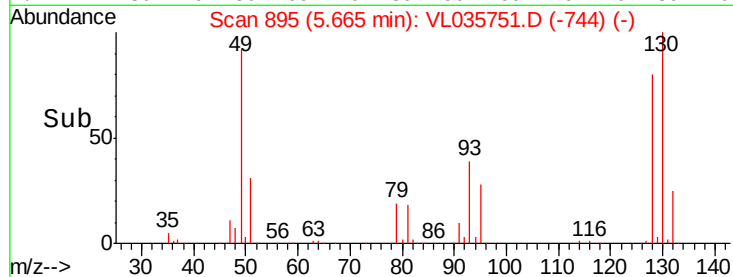
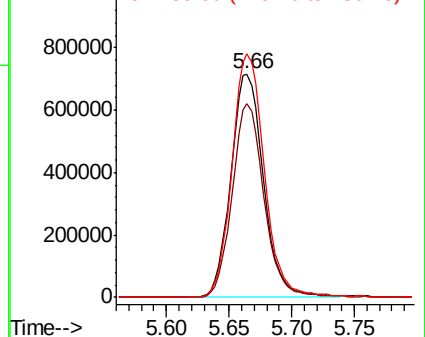


Abundance

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: 0.288 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035751.D

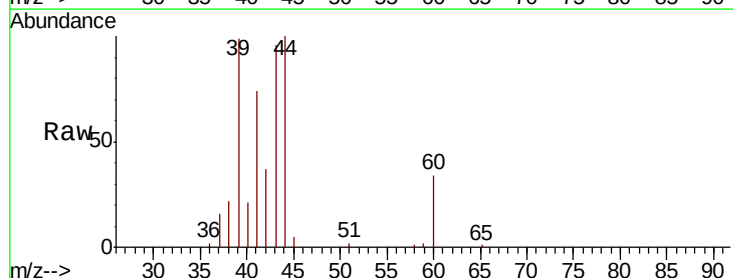
Acq: 8 Oct 2020 18:54

Tgt Ion: 41 Resp: 14592

Ion Ratio Lower Upper

41 100

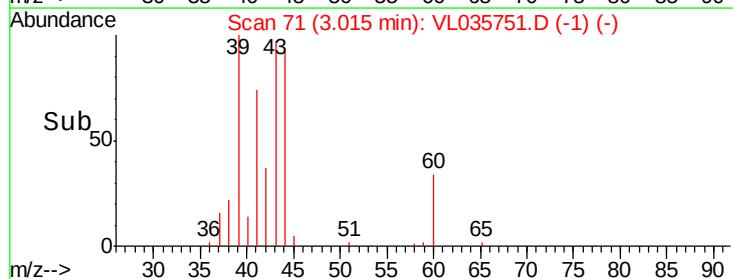
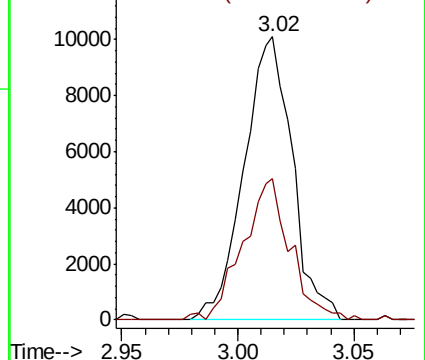
42 49.4 56.2 84.4#

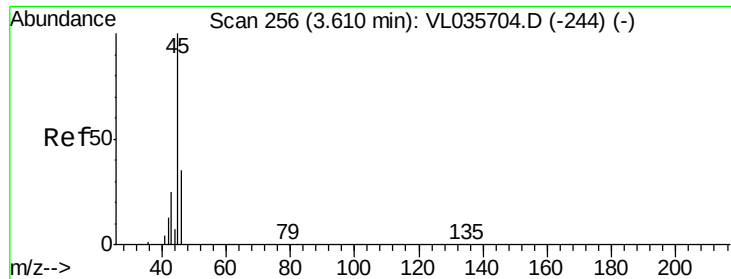


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





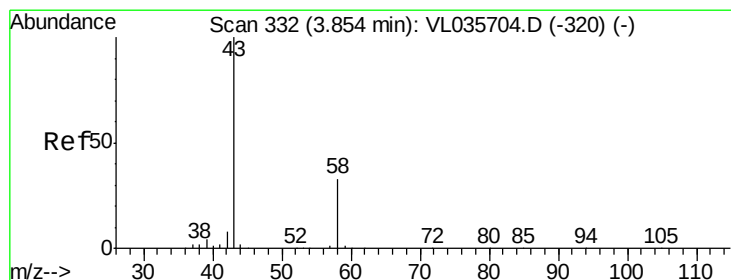
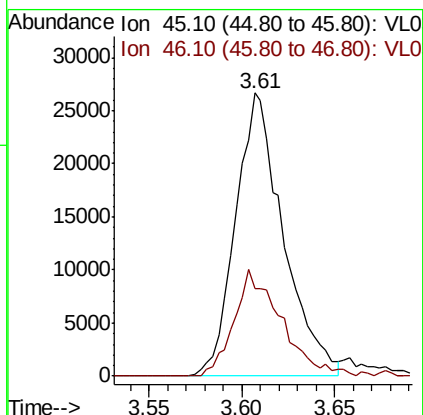
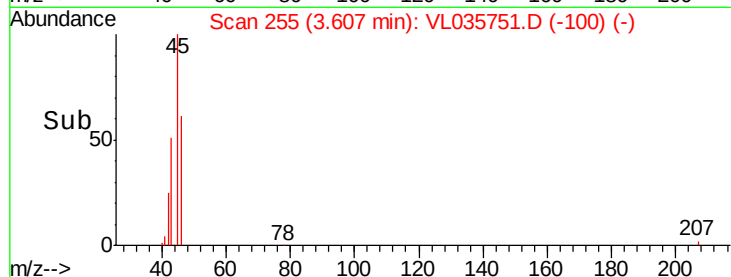
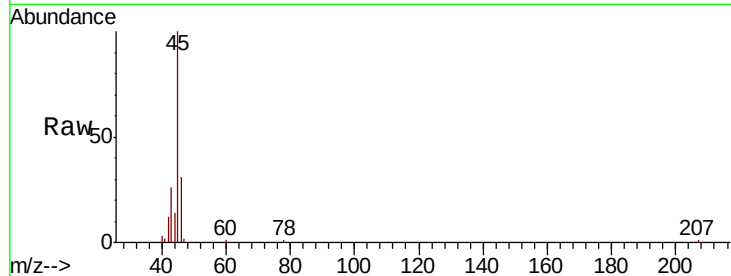
#13
Ethanol
Concen: 3.835 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL035751.D
Acq: 8 Oct 2020 18:54

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion: 45 Resp: 47870
Ion Ratio Lower Upper
45 100
46 37.2 14.7 58.7

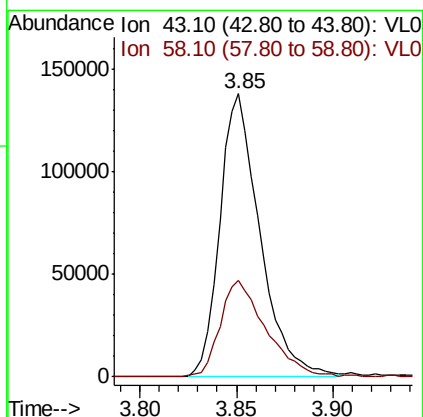
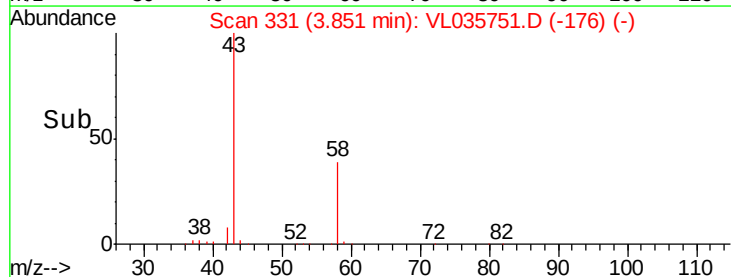
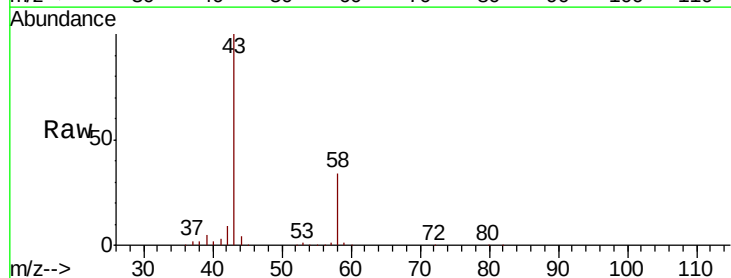
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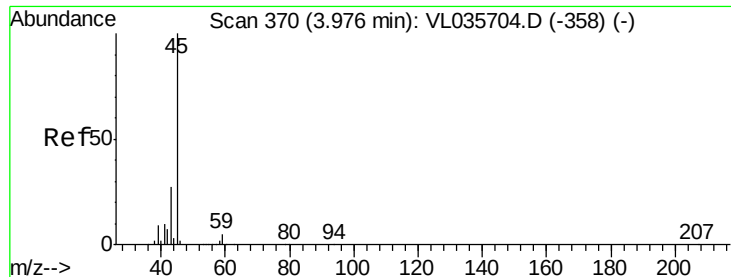
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#15
Acetone
Concen: 1.414 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL035751.D
Acq: 8 Oct 2020 18:54

Tgt Ion: 43 Resp: 197233
Ion Ratio Lower Upper
43 100
58 39.5 27.3 40.9





#19

Isopropyl Alcohol

Concen: 0.237 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL035751.D

Acq: 8 Oct 2020 18:54

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion: 45 Resp: 17994

Ion Ratio Lower Upper

45 100

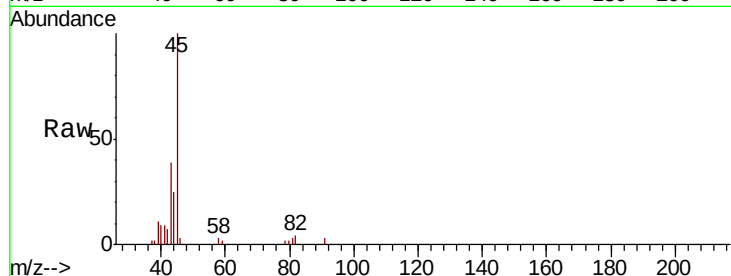
58 433.8 2.8 4.2#

Manual Integrations

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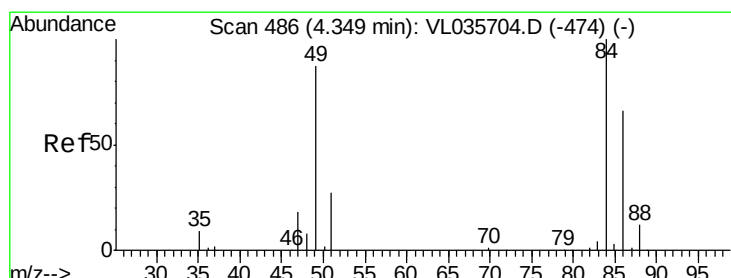
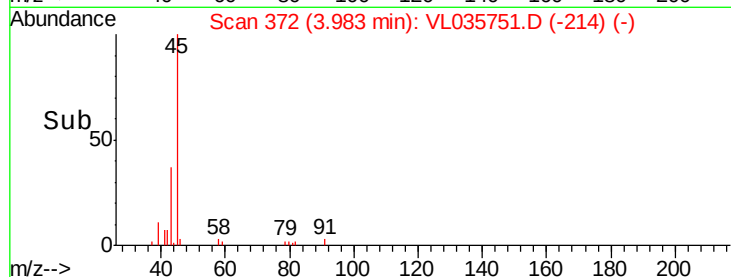
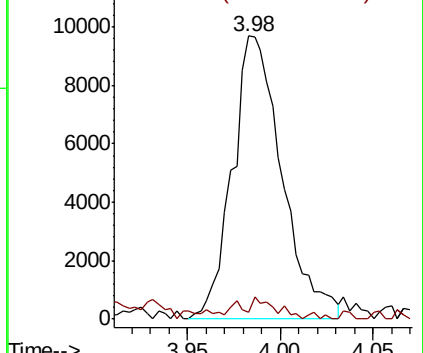
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.556 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL035751.D

Acq: 8 Oct 2020 18:54

Tgt Ion: 84 Resp: 56925

Ion Ratio Lower Upper

84 100

49 87.3 69.8 104.6

51 28.2 21.8 32.8

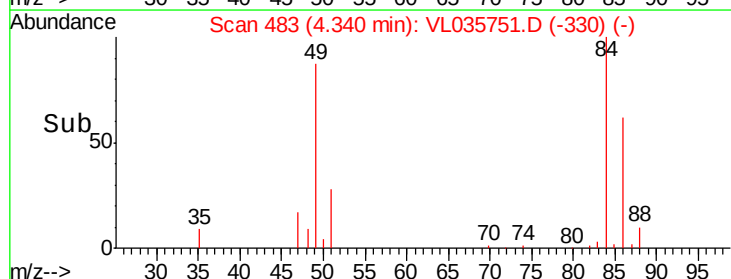
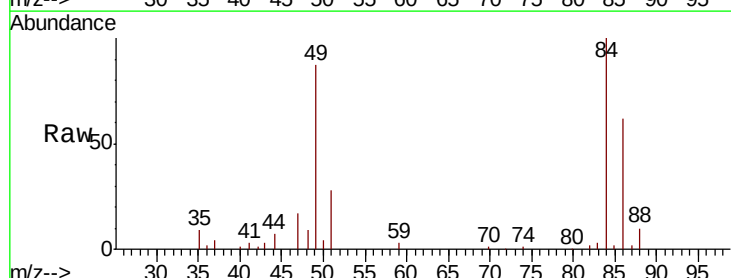
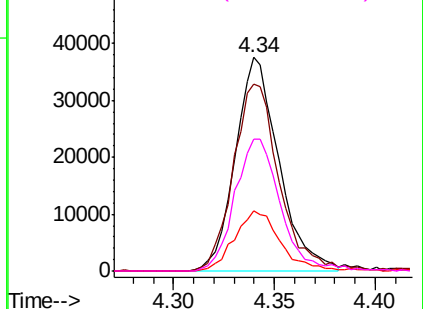
86 61.8 52.6 78.8

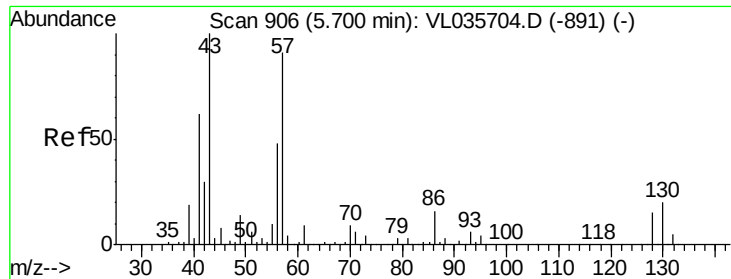
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





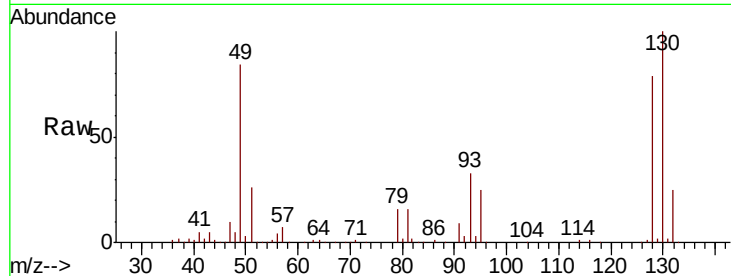
#26
Hexane
Concen: 0.173 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035751.D
Acq: 8 Oct 2020 18:54

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	75.7	57.9	86.9
43	87.8	143.8	215.6#
56	60.1	43.0	64.6

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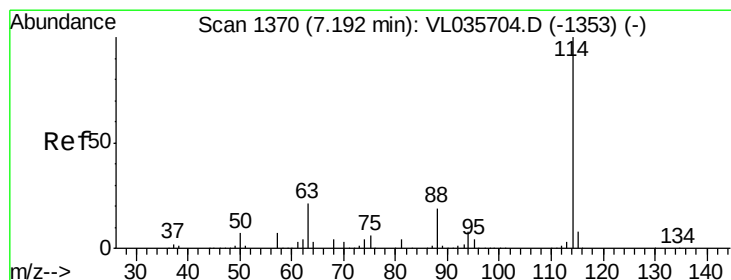
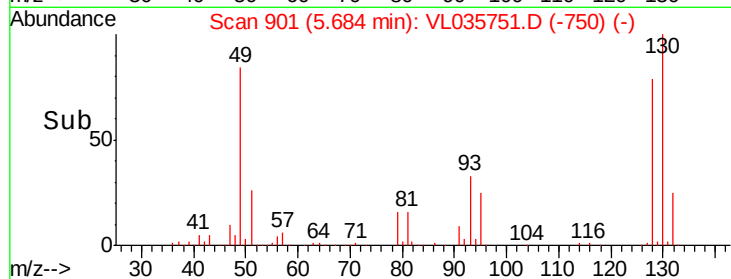
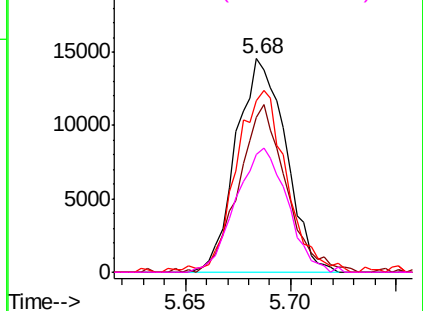
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

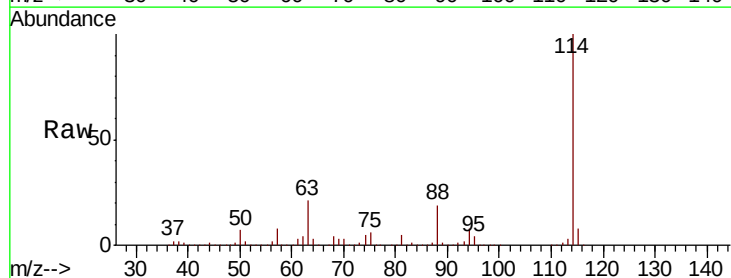
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035751.D
Acq: 8 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.6	14.1	21.1

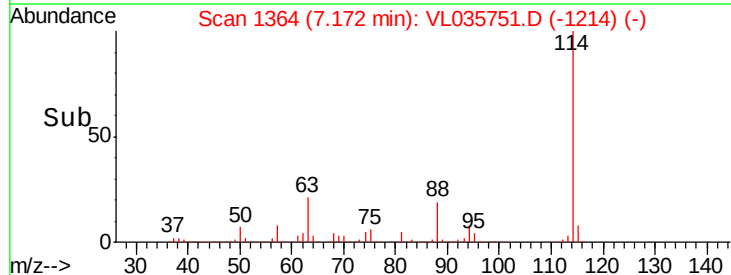
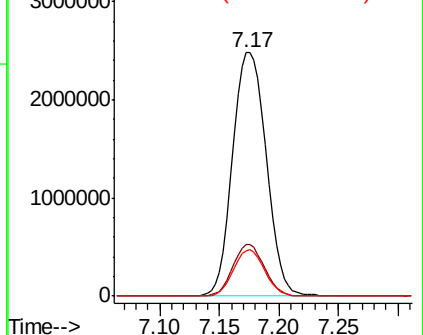


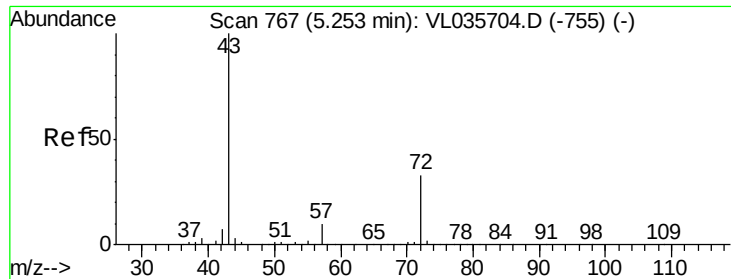
Abundance

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





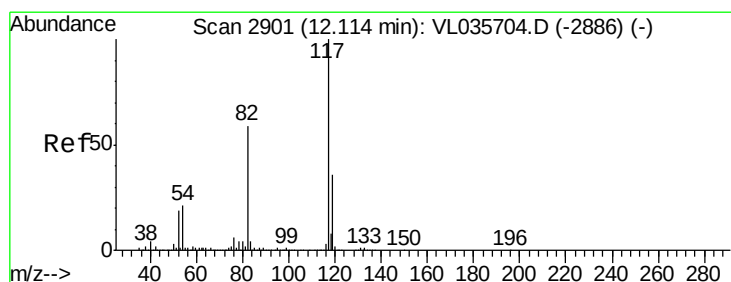
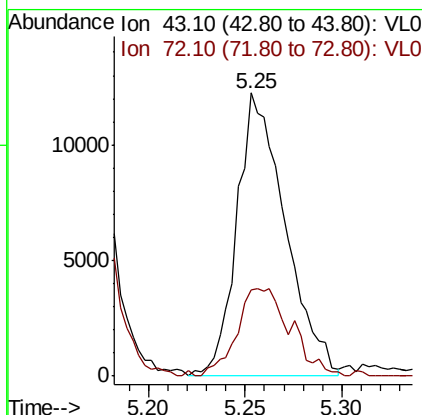
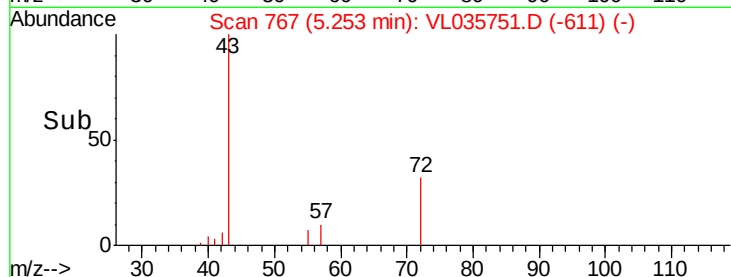
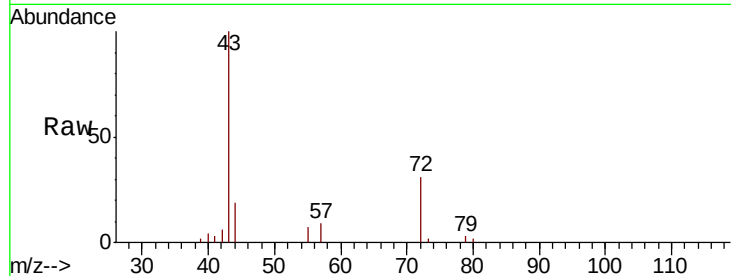
#34
2-Butanone
Concen: 0.133 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL035751.D
Acq: 8 Oct 2020 18:54

Instrument :
MSVOA_L
ClientSampled :
SG-2DL

Tot Ion: 43 Resp: 21396
Ion Ratio Lower Upper
43 100
72 34.8 26.1 39.1

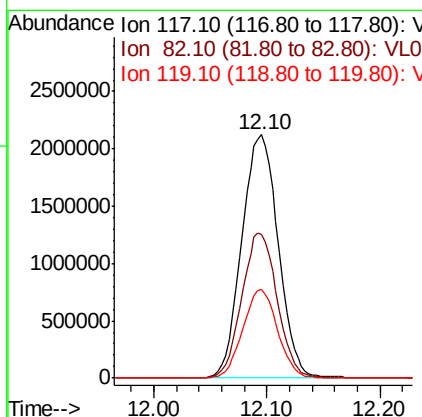
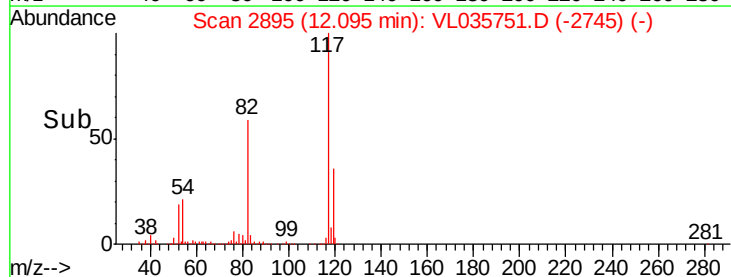
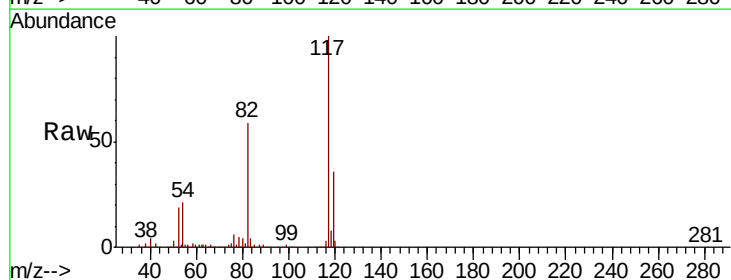
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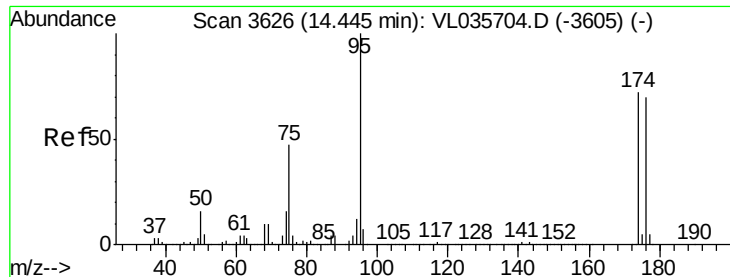
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035751.D
Acq: 8 Oct 2020 18:54

Tgt Ion: 117 Resp: 4761363
Ion Ratio Lower Upper
117 100
82 58.2 46.1 69.1
119 34.9 28.0 42.0





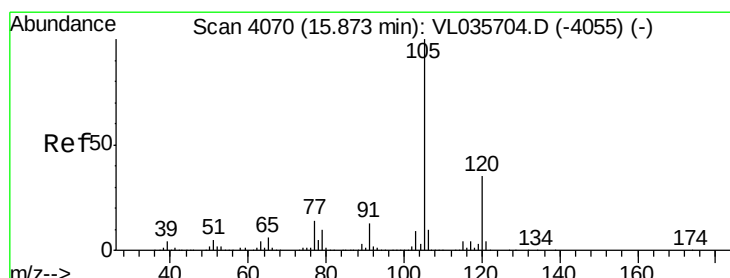
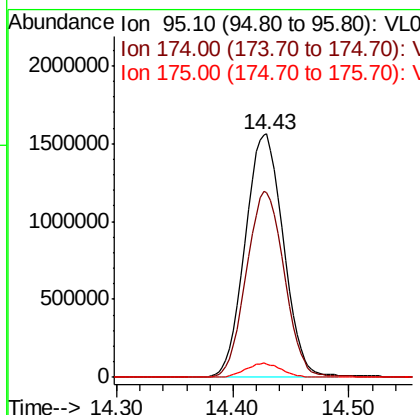
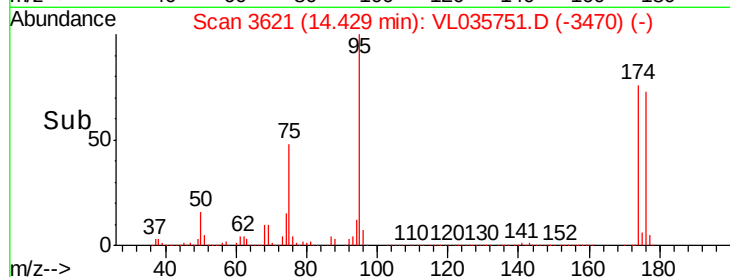
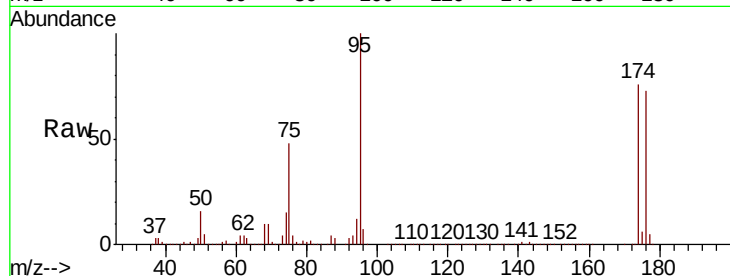
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.048 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035751.D
 Acq: 8 Oct 2020 18:54

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2DL

Tot Ion: 95 Resp: 3585124
 Ion Ratio Lower Upper
 95 100
 174 76.6 59.6 89.4
 175 5.6 4.2 6.4

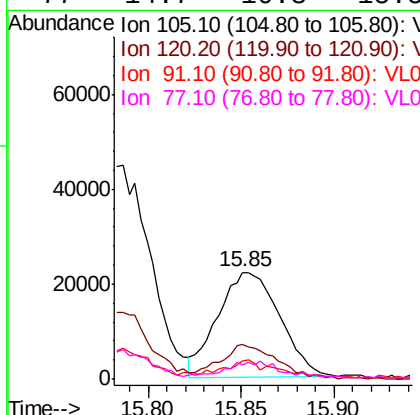
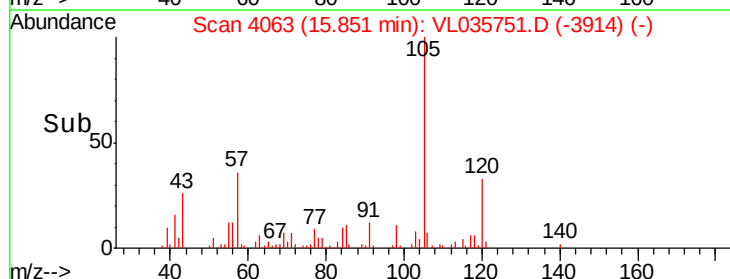
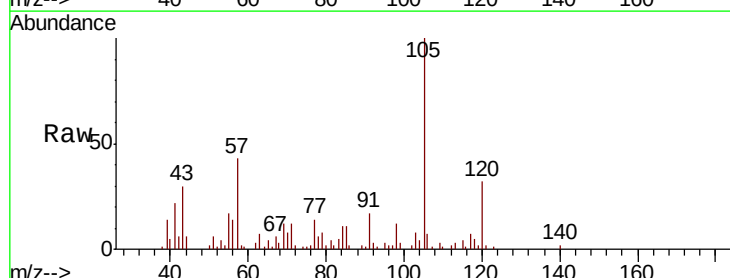
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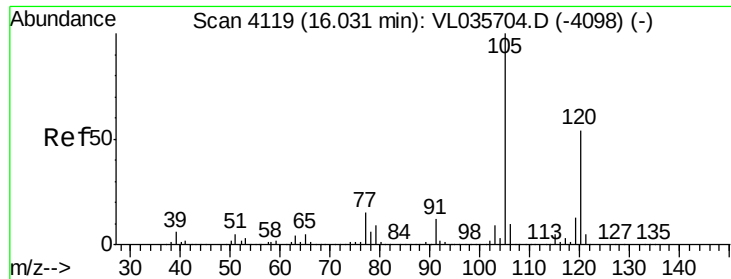
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#72
 4-Ethyltoluene
 Concen: 0.103 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. -0.02 min
 Lab File: VL035751.D
 Acq: 8 Oct 2020 18:54

Tgt Ion: 105 Resp: 51533
 Ion Ratio Lower Upper
 105 100
 120 30.6 26.5 39.7
 91 16.2 10.2 15.2#
 77 14.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 0.176 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035751.D

Acq: 8 Oct 2020 18:54

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion:105 Resp: 83190

Ion Ratio Lower Upper

105 100

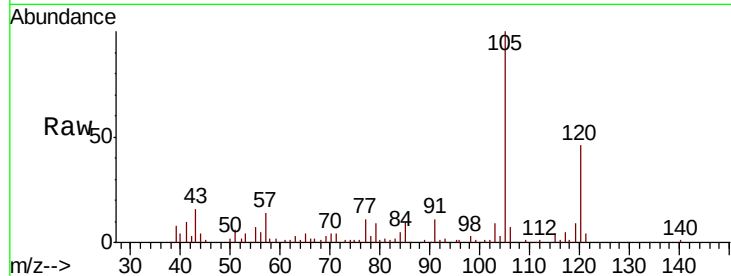
120 46.1 43.0 64.4

Manual Integrations

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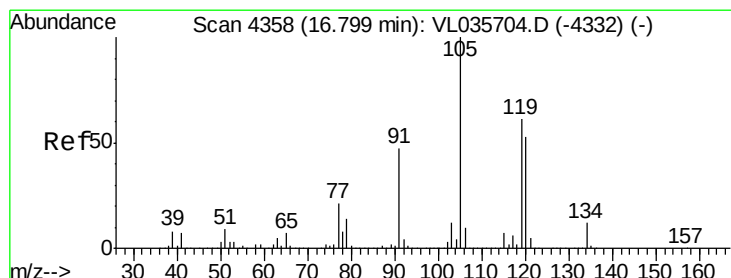
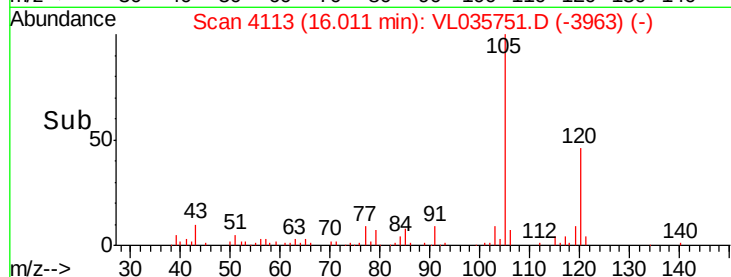
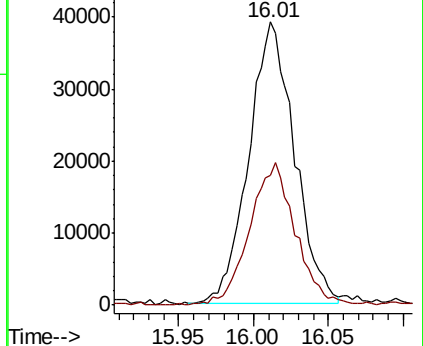
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.356 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.02 min

Lab File: VL035751.D

Acq: 8 Oct 2020 18:54

Tgt Ion:105 Resp: 189434

Ion Ratio Lower Upper

105 100

120 45.7 42.5 63.7

91 10.7 37.7 56.5#

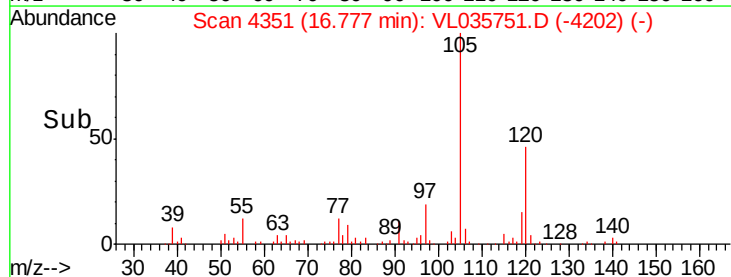
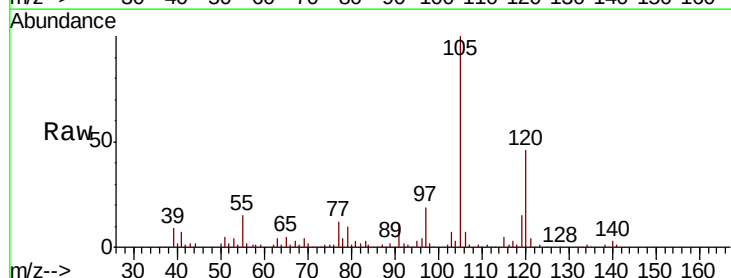
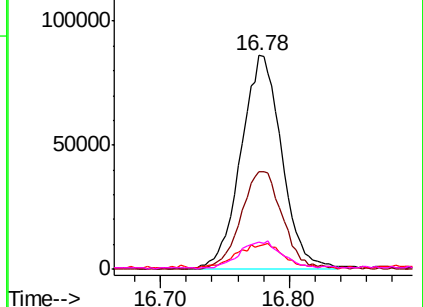
77 11.9 16.7 25.1#

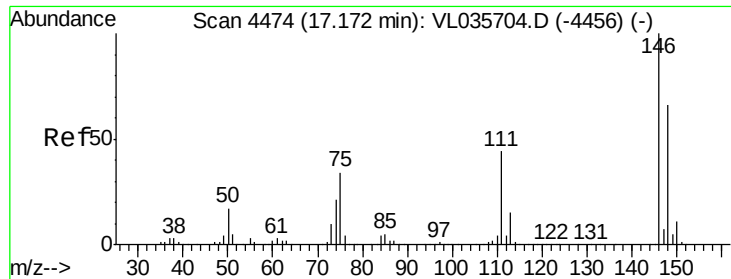
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#76
 1,4-Dichlorobenzene
 Concen: 0.141 ppbv m
 RT: 17.15 min Scan# 4467
 Delta R.T. -0.02 min
 Lab File: VL035751.D
 Acq: 8 Oct 2020 18:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Tot Ion:	146	Resp:	49173
Ion Ratio	Lower	Upper	
146	100		
111	71.1	21.4	64.3#
148	0.0	32.6	98.0#

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:29:58 AM

