

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036749.D
 Acq On : 8 Apr 2021 14:02
 Operator : SY/AP
 Sample : M1981-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Manual Integrations
 APPROVED

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 4/12/2021 11:46:36 AM

Quant Time: Apr 09 11:39:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1188861	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	2875888	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2528525	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	1993362	9.89	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	276316	3.902	ppbv	89
15) Acetone	3.84	43	4823801	41.225	ppbv	100
20) Methylene Chloride	4.34	84	293632	5.360	ppbv	98
26) Hexane	5.68	57	228104	1.767	ppbv #	47
34) 2-Butanone	5.24	43	292582	2.084	ppbv	94
36) Benzene	6.88	78	131552m	0.496	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	56399m	0.278	ppbv	
53) Toluene	9.80	91	75003	0.266	ppbv	100
59) m/p-Xylene	12.97	91	36784m	0.115	ppbv	

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

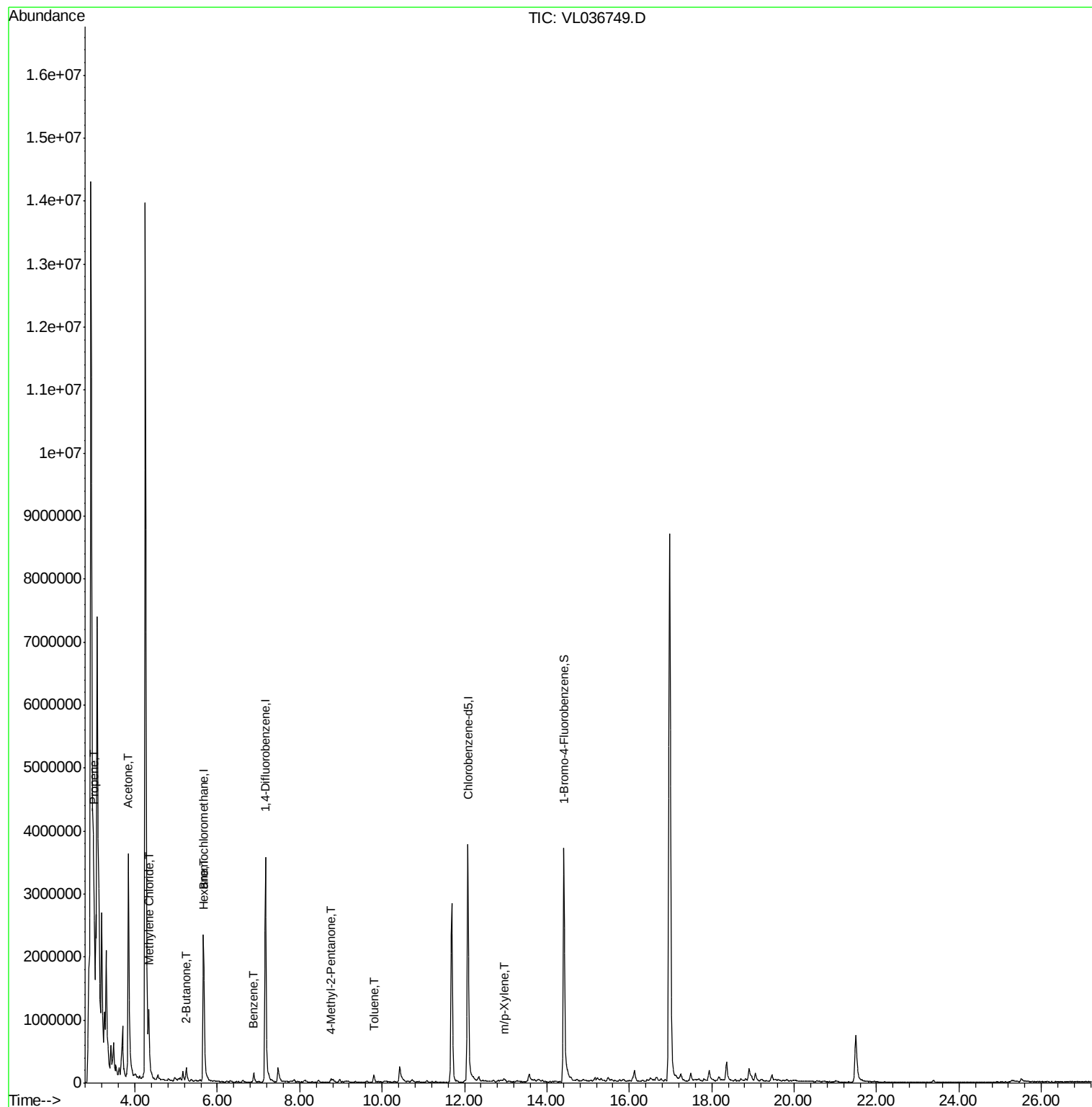
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036749.D
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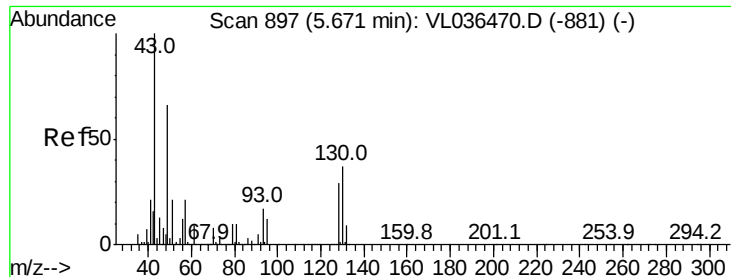
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Apr 09 11:39:56 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036749.D

Acq: 8 Apr 2021 14:02

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL

Tot Ion: 49 Resp: 1188861

Ion Ratio Lower Upper

49 100

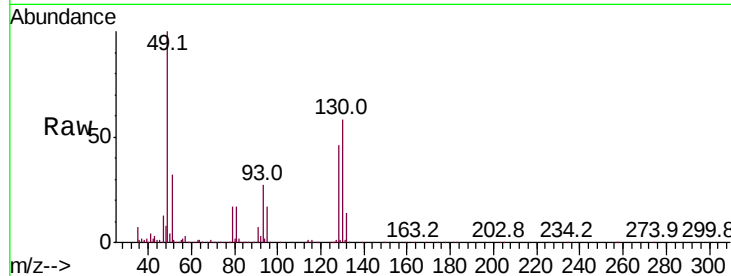
128 47.0 23.5 70.6

130 60.0 29.1 87.4

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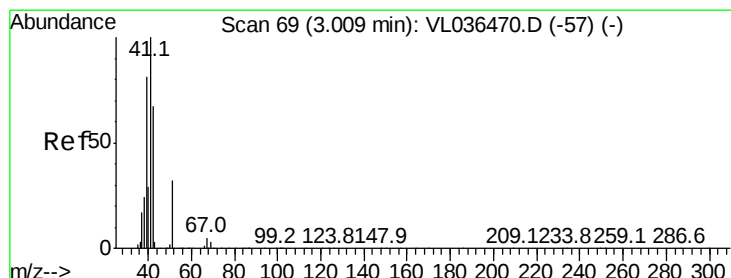
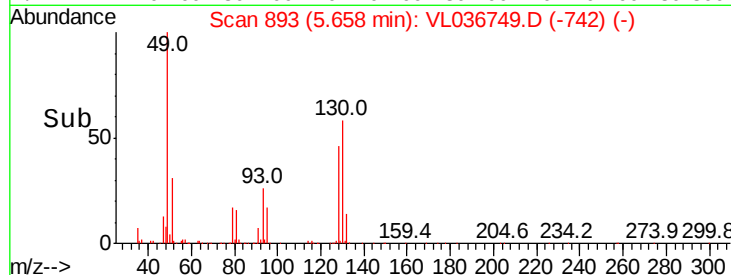
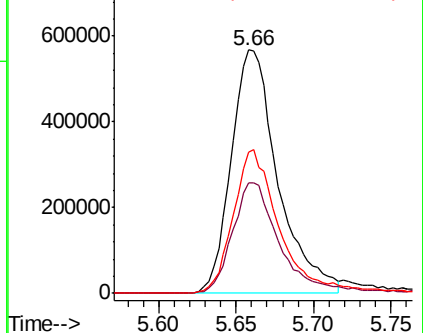
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 3.902 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036749.D

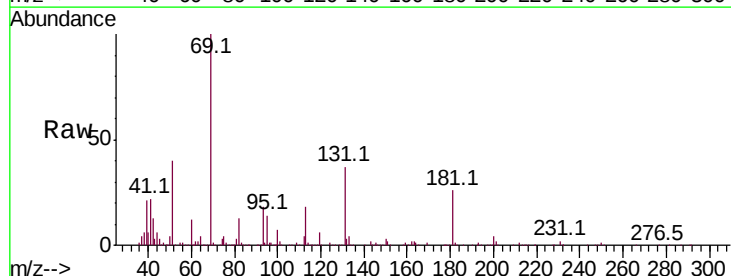
Acq: 8 Apr 2021 14:02

Tgt Ion: 41 Resp: 276316

Ion Ratio Lower Upper

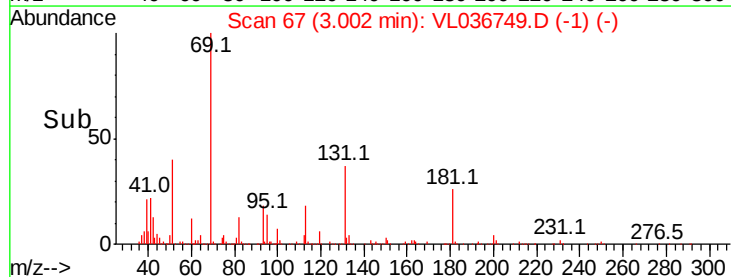
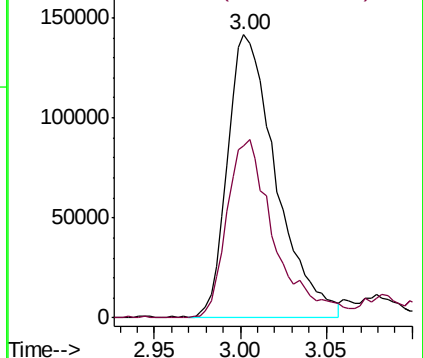
41 100

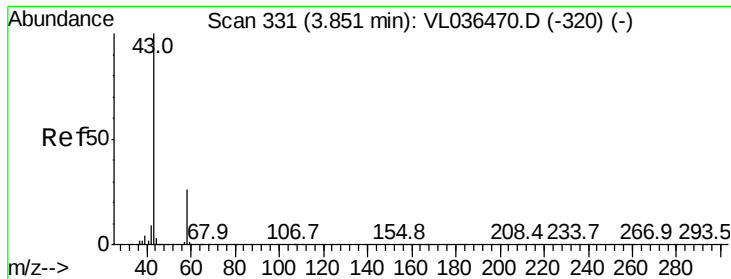
42 62.0 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 41.225 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036749.D

Acq: 8 Apr 2021 14:02

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 43 Resp: 4823801

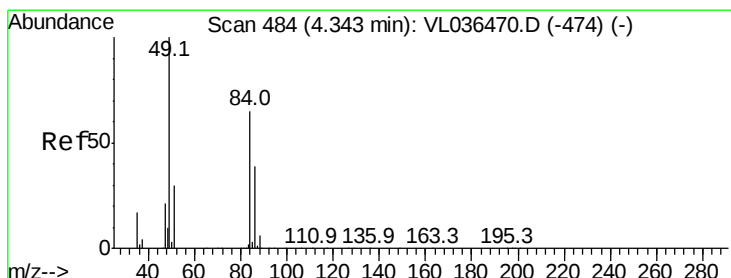
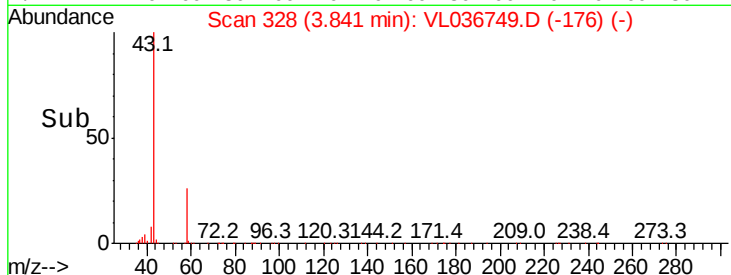
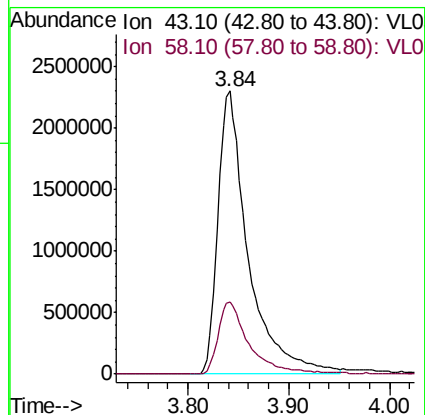
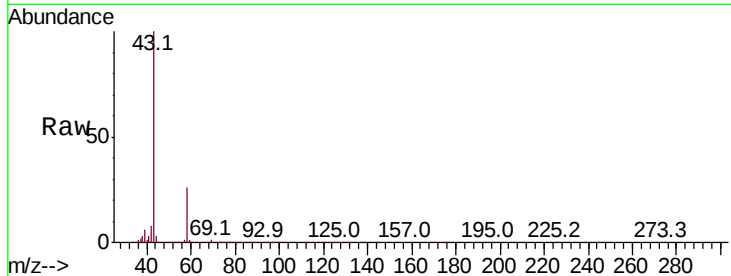
Ion Ratio Lower Upper

43 100

58 26.6 21.2 31.8

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#20

Methylene Chloride

Concen: 5.360 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036749.D

Acq: 8 Apr 2021 14:02

Tgt Ion: 84 Resp: 293632

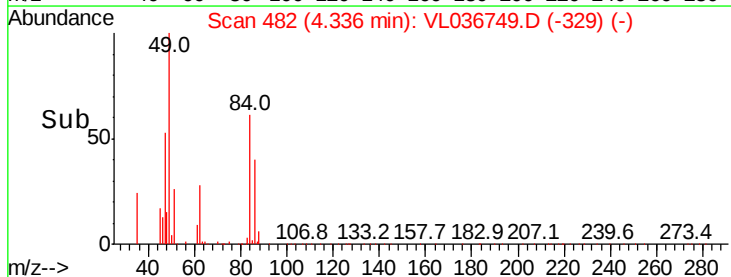
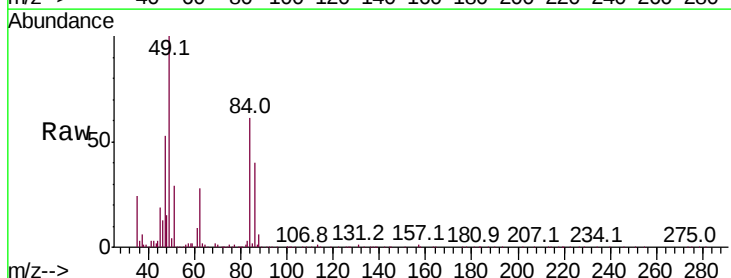
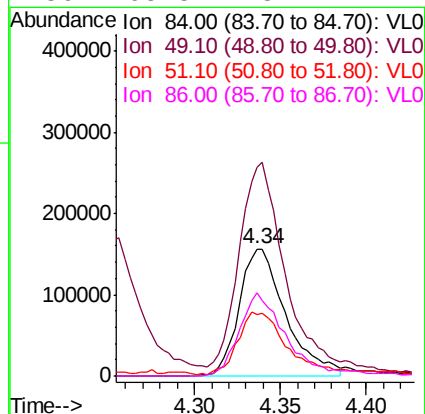
Ion Ratio Lower Upper

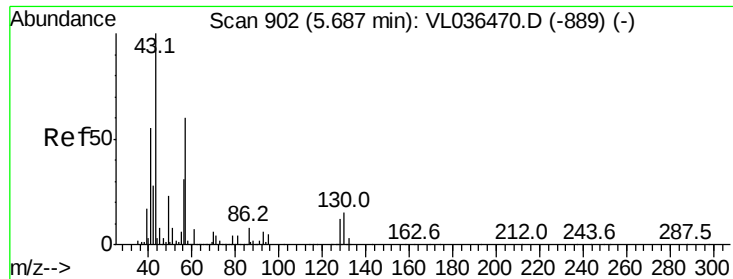
84 100

49 154.2 122.9 184.3

51 46.4 36.9 55.3

86 65.5 48.2 72.4





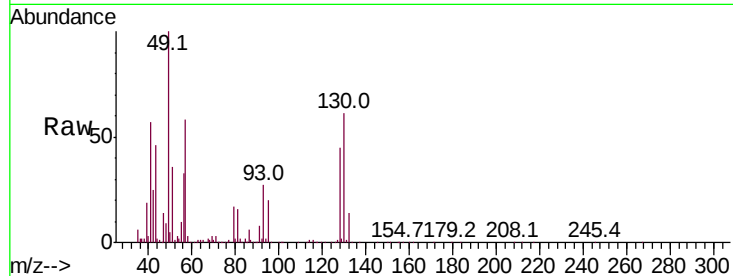
#26
Hexane
Concen: 1.767 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Instrument :
MSVOA_L
ClientSampled :
SG-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	106.6	77.2	115.8
43	84.8	173.8	260.6#
56	62.4	43.8	65.6

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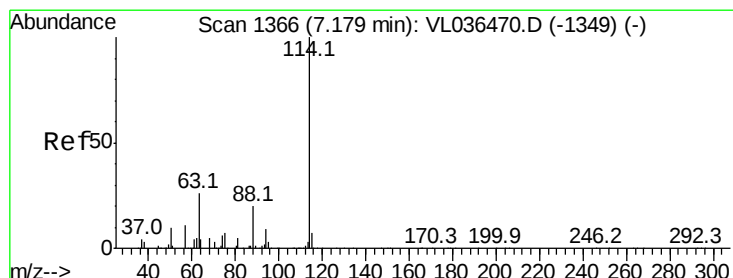
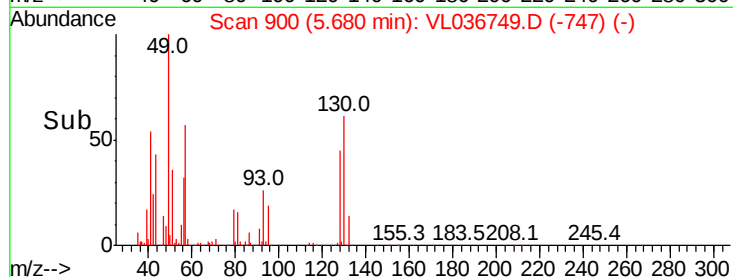
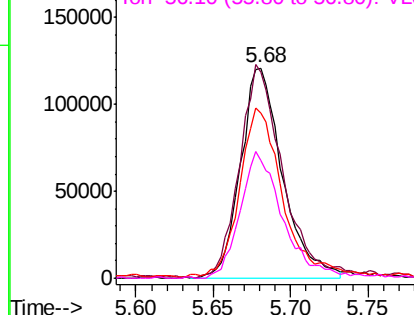
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

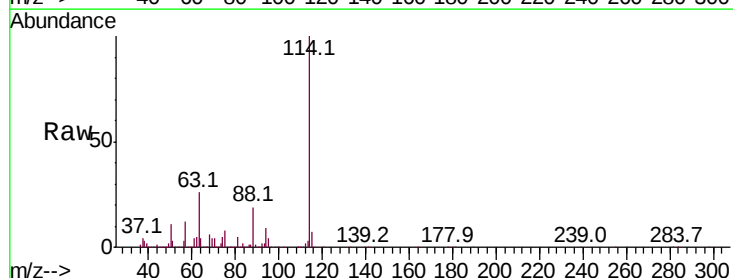
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	19.1	15.4	23.0

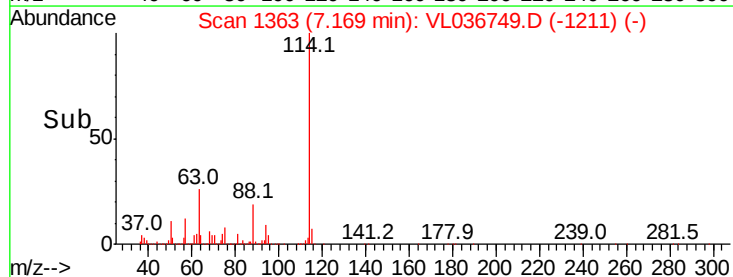
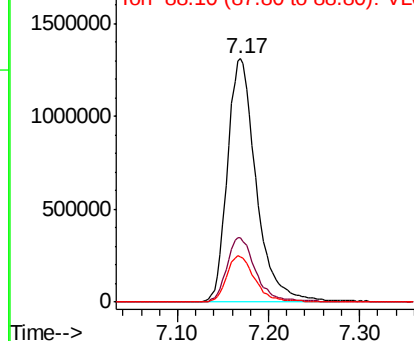


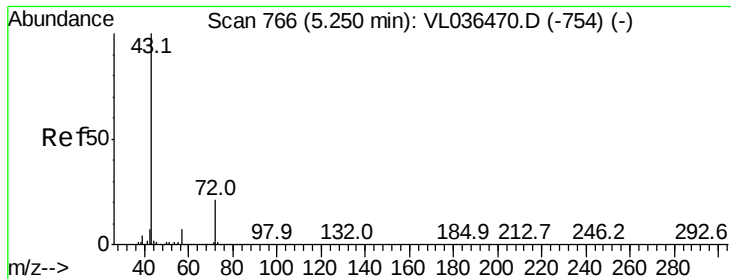
Abundance

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





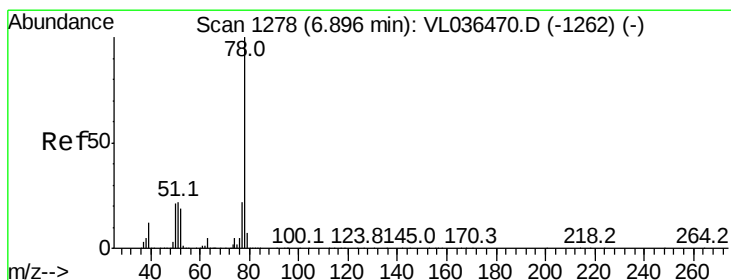
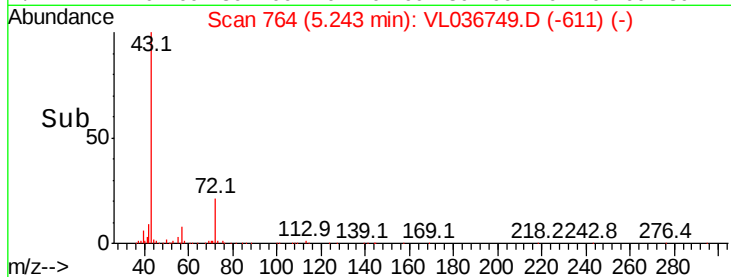
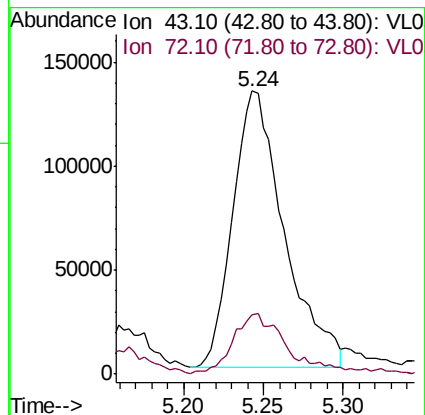
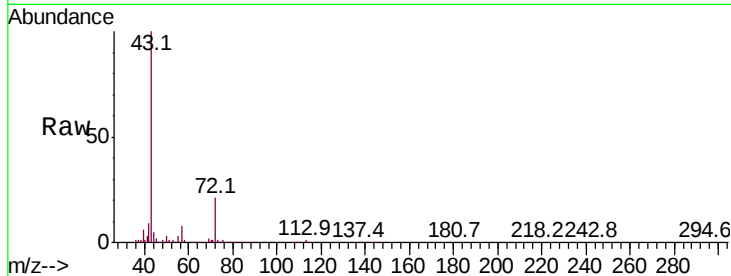
#34
2-Butanone
Concen: 2.084 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.0	25.6

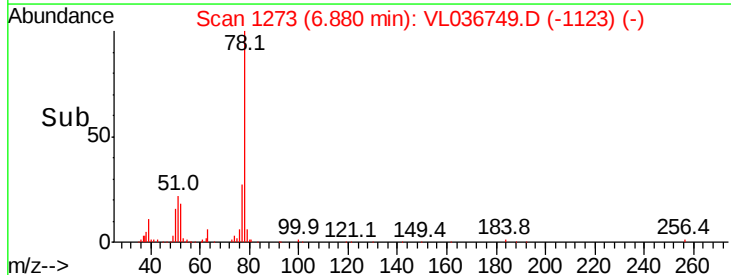
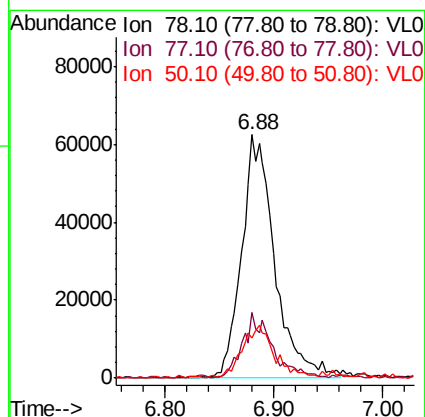
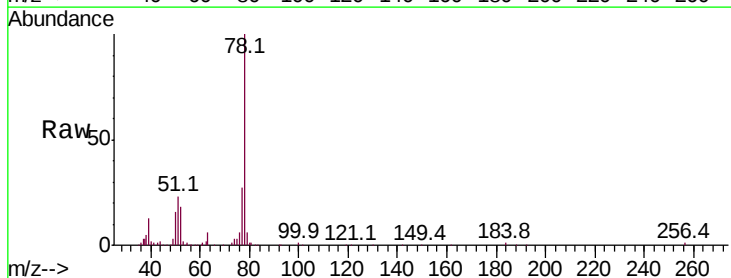
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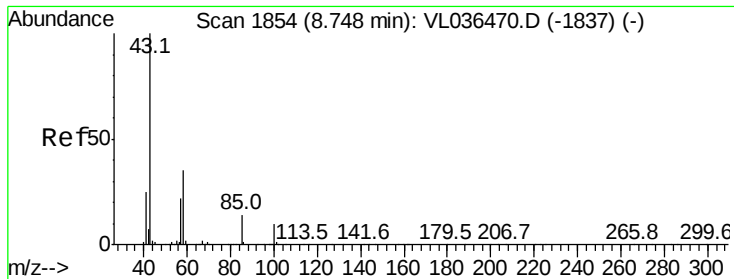
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#36
Benzene
Concen: 0.496 ppbv m
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.1	18.0	27.0#
50	16.4	16.5	24.7#





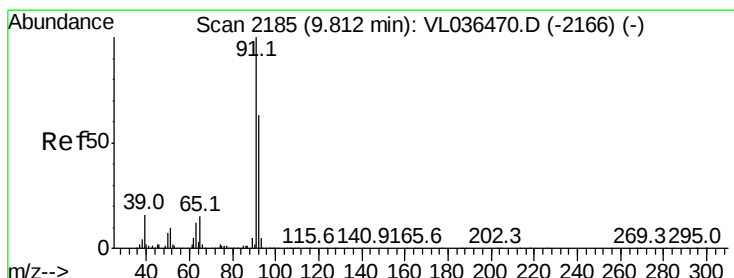
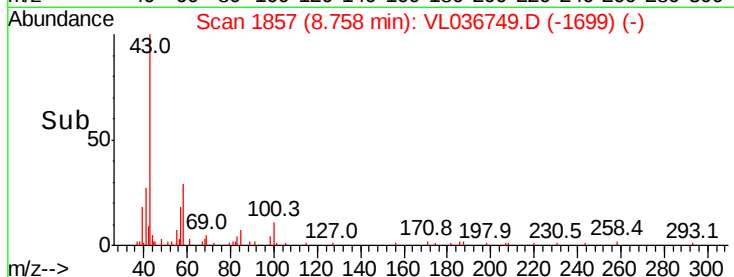
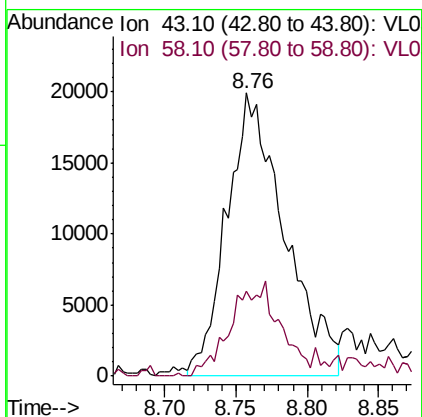
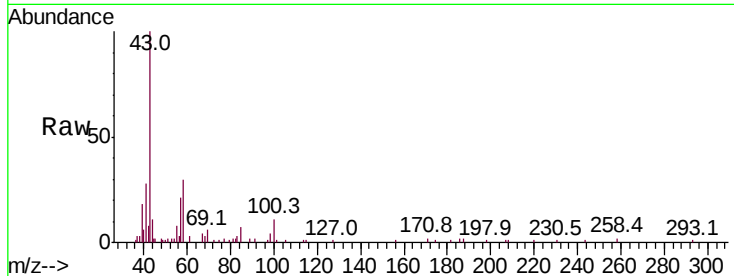
#50
4-Methyl-2-Pentanone
Concen: 0.278 ppbv m
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.6	28.2	42.2

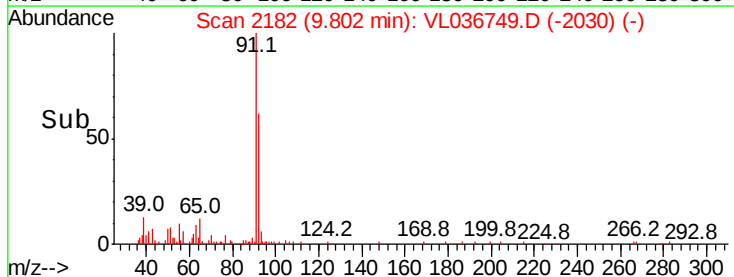
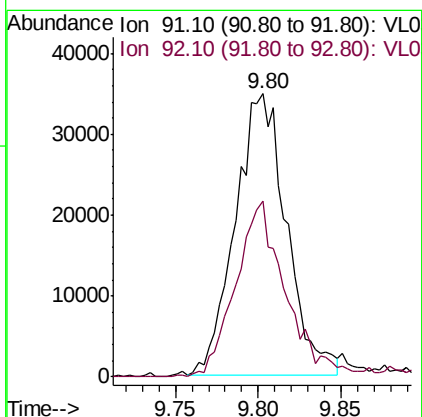
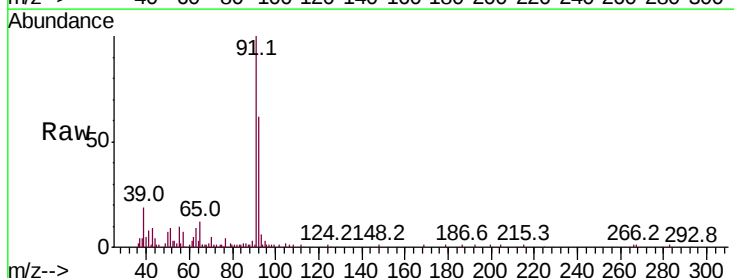
Manual Integrations
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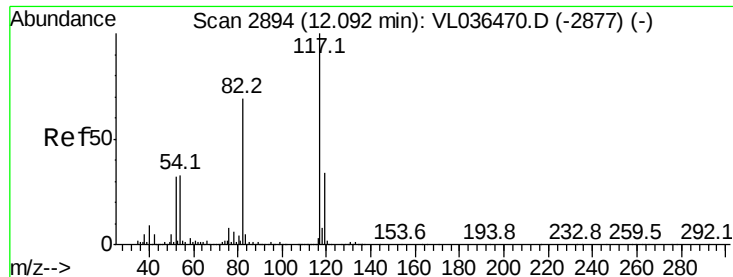
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#53
Toluene
Concen: 0.266 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.8	73.2





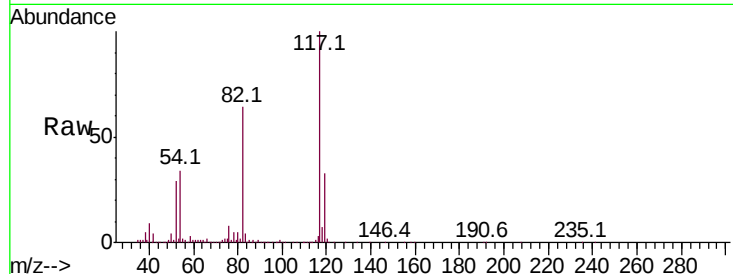
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

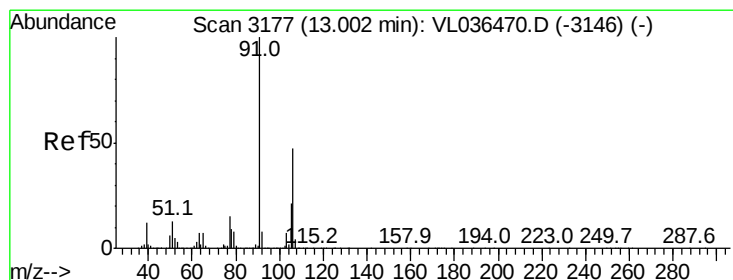
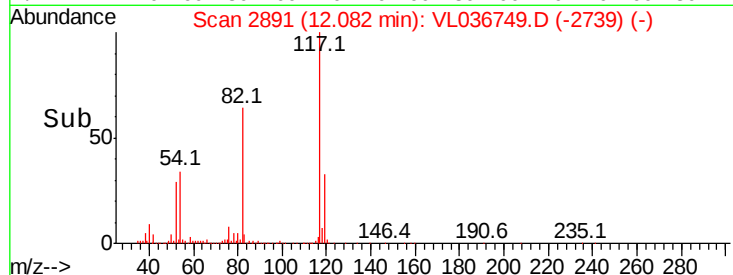
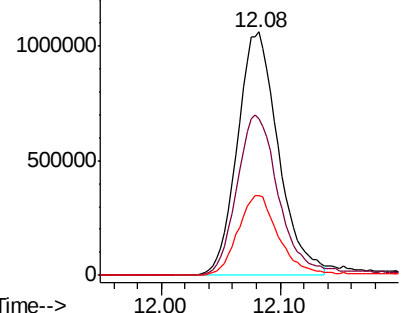
Tot Ion	Ratio	Lower	Upper
117	100		
82	71.0	57.4	86.0
119	34.0	47.4	71.0#

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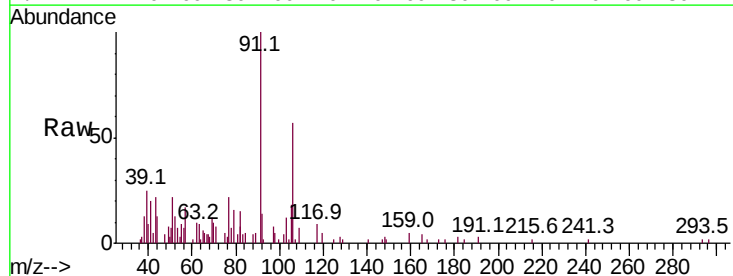


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

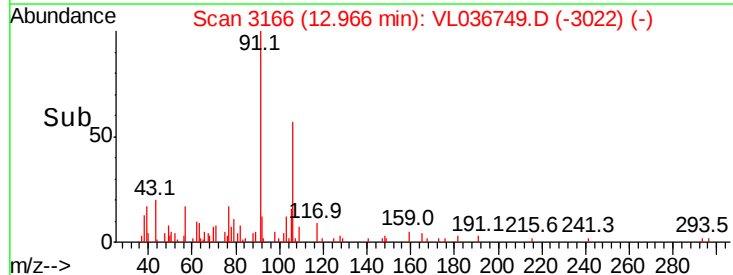
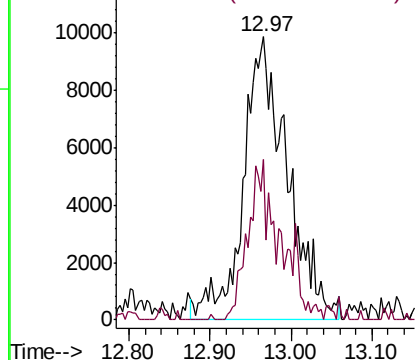


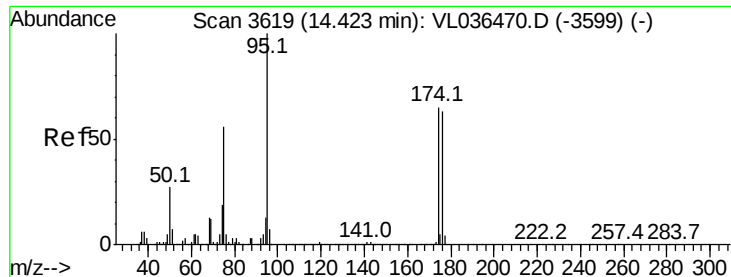
#59
m/p-Xylene
Concen: 0.115 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL036749.D
Acq: 8 Apr 2021 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.891 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036749.D

Acq: 8 Apr 2021 14:02

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL

Tot Ion: 95 Resp: 1993362

Ion Ratio Lower Upper

95 100

174 65.0 51.0 76.6

175 4.5 3.9 5.9

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