

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035366.D
 Acq On : 7 Aug 2020 1:44
 Operator : SY/AP
 Sample : L3540-01 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

Manual Integrations
 APPROVED

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 8/7/2020 12:54:42 PM

Quant Time: Aug 07 09:48:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1273498	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3139696	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2987638	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2469388	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	72519	4.059	ppbv	100
15) Acetone	3.82	43	130717	0.723	ppbv #	81
17) tert-Butyl alcohol	4.28	59	50654m	0.305	ppbv	
20) Methylene Chloride	4.31	84	152488	2.068	ppbv	96
26) Hexane	5.66	57	78251m	0.657	ppbv	
27) Carbon Disulfide	4.52	76	15928492	95.569	ppbv #	57
36) Benzene	6.89	78	43861	0.207	ppbv #	73

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

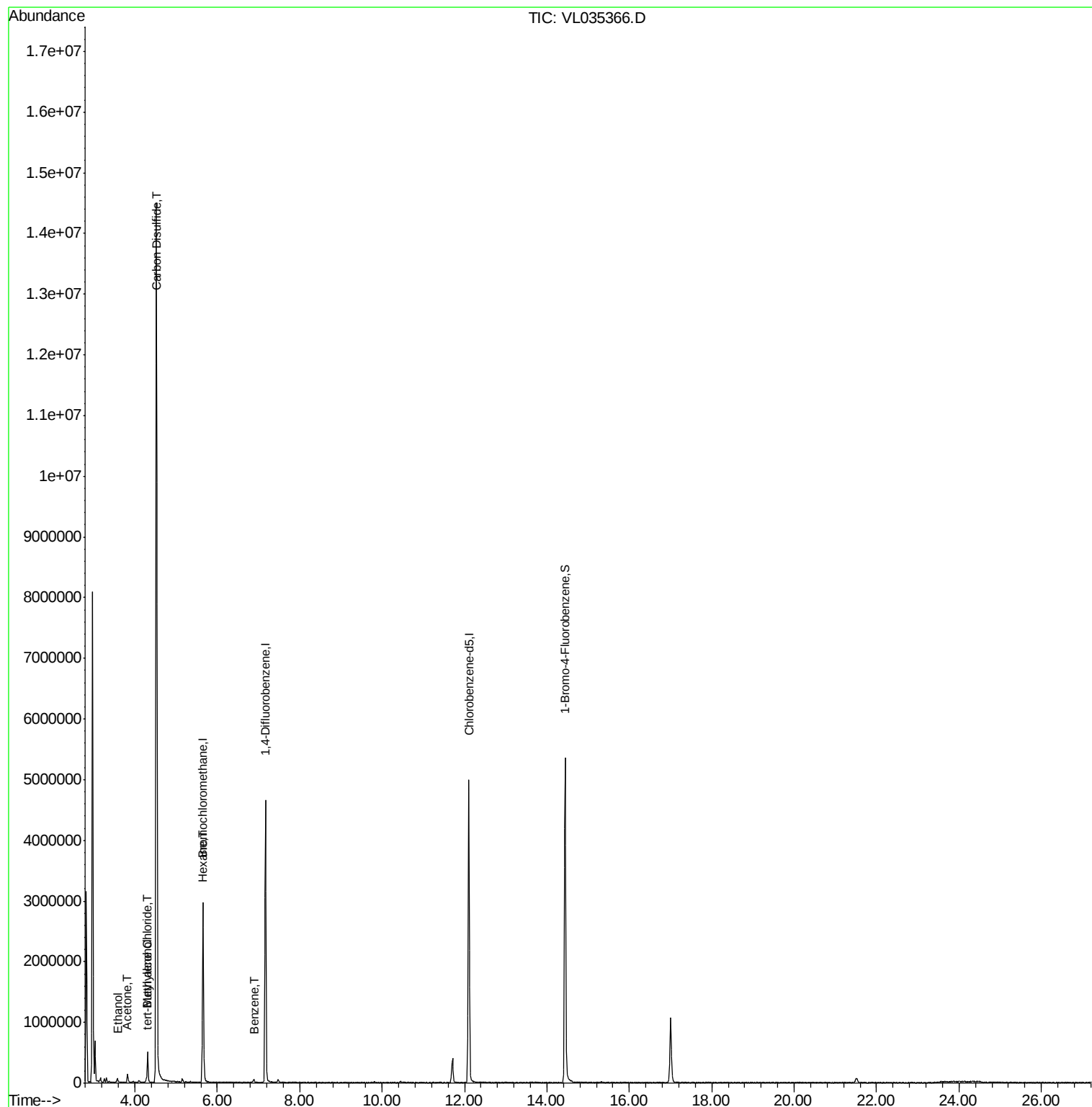
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080620\
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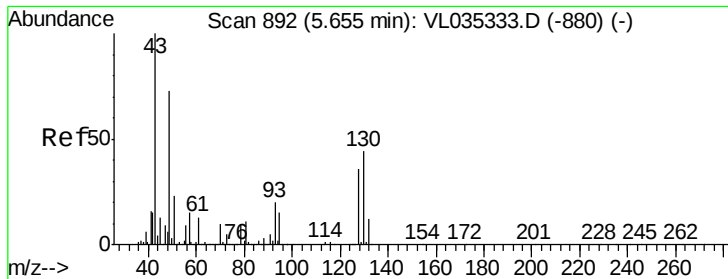
Instrument :
MSVOA_L
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Quant Time: Aug 07 09:48:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035366.D

Acq: 7 Aug 2020 1:44

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 49 Resp: 1273498

Ion Ratio Lower Upper

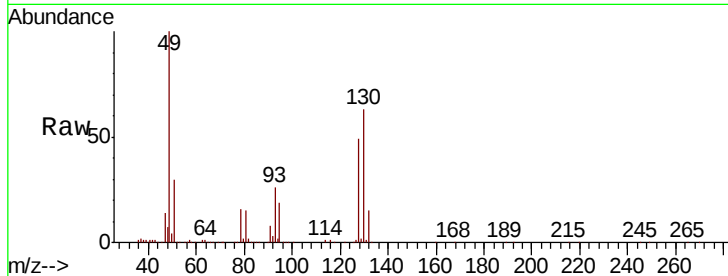
49 100

128 51.7 25.4 76.0

130 64.0 32.1 96.3

Manual Integrations
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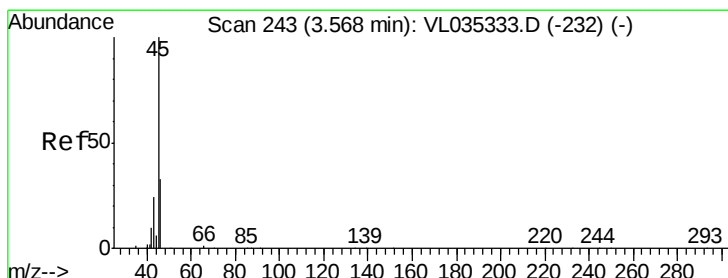
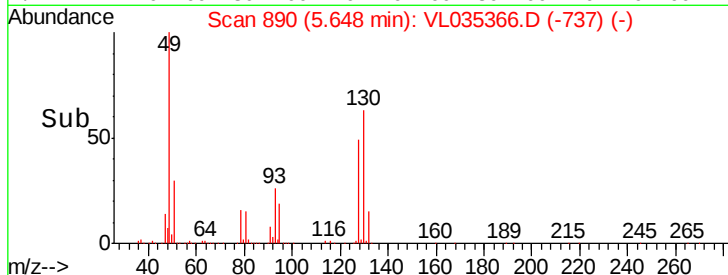
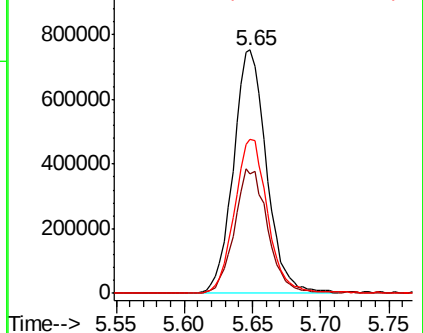
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 4.059 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035366.D

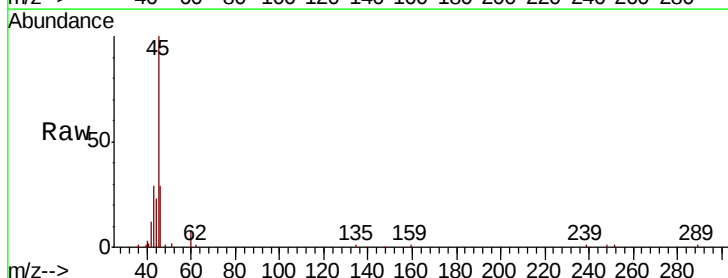
Acq: 7 Aug 2020 1:44

Tgt Ion: 45 Resp: 72519

Ion Ratio Lower Upper

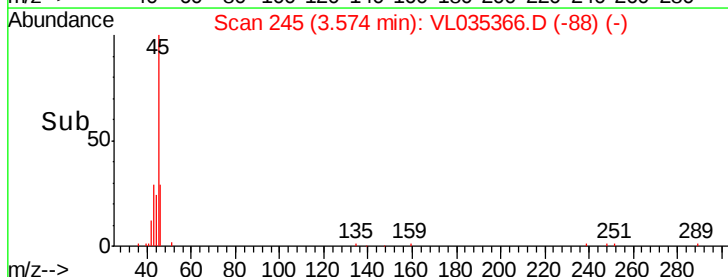
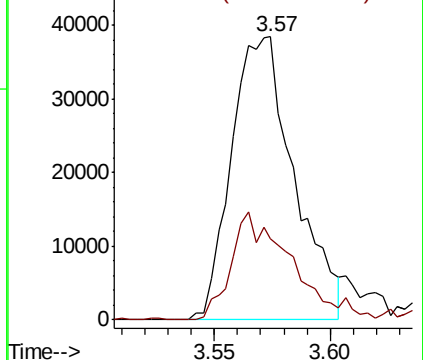
45 100

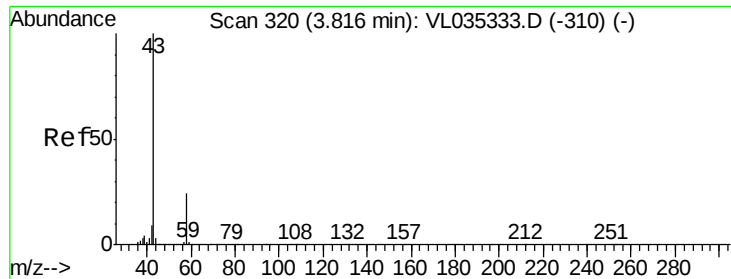
46 37.9 15.2 61.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.723 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL035366.D

Acq: 7 Aug 2020 1:44

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 43 Resp: 130717

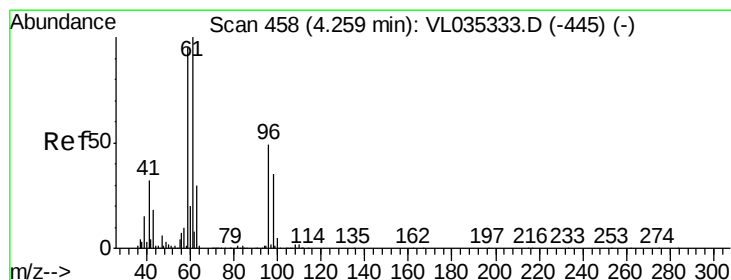
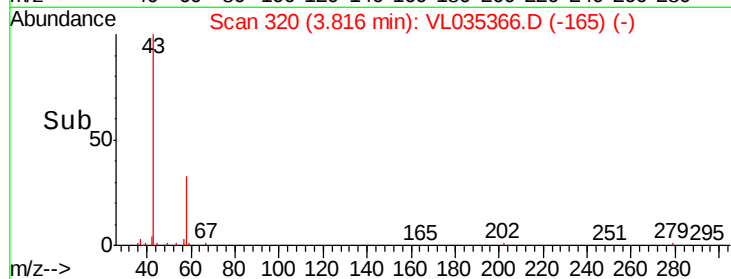
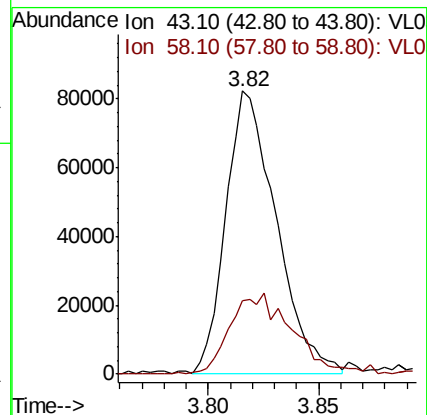
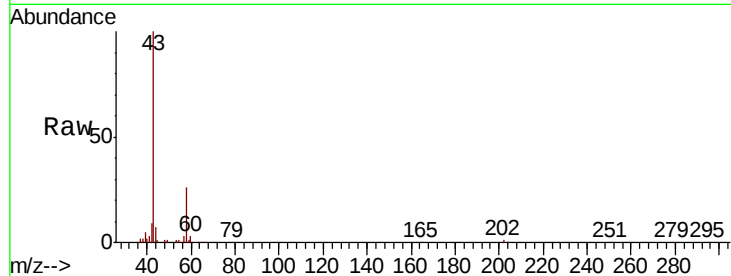
Ion Ratio Lower Upper

43 100

58 36.2 21.0 31.4#

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#17

tert-Butyl alcohol

Concen: 0.305 ppbv m

RT: 4.28 min Scan# 465

Delta R.T. 0.02 min

Lab File: VL035366.D

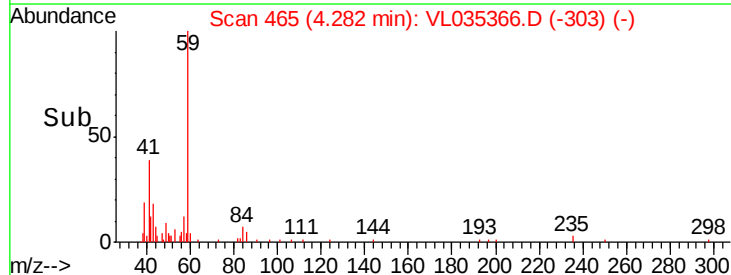
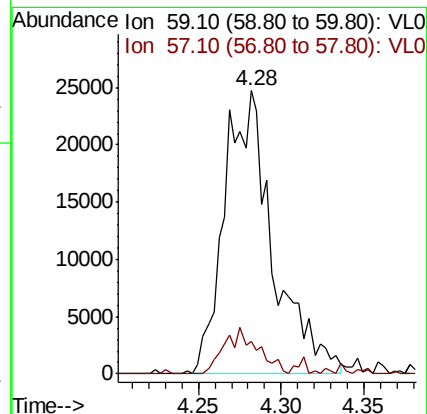
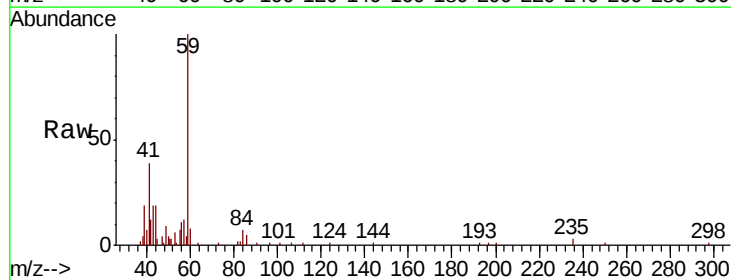
Acq: 7 Aug 2020 1:44

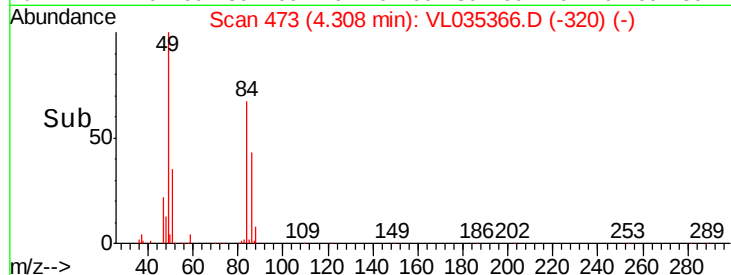
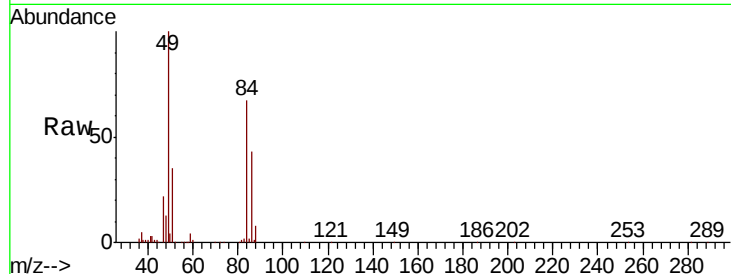
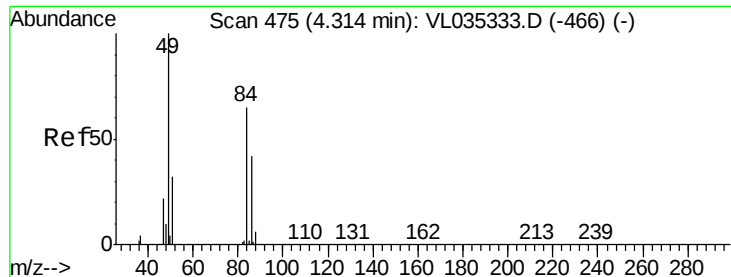
Tgt Ion: 59 Resp: 50654

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#





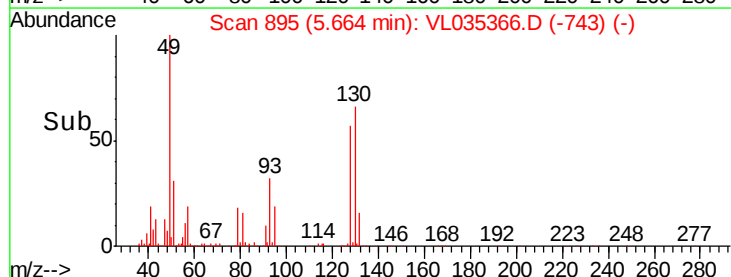
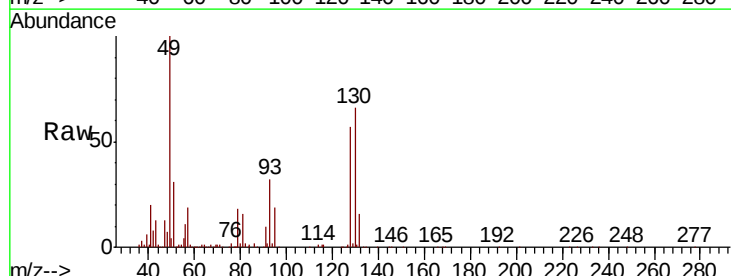
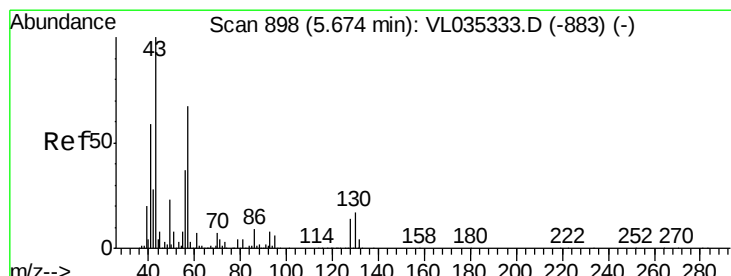
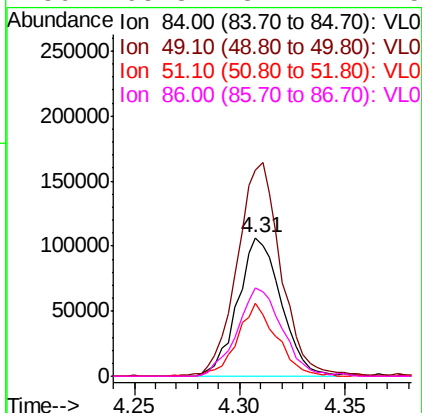
#20
Methvlene Chloride
Concen: 2.068 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	147.2	122.8	184.2	
51	52.3	40.1	60.1	
86	63.3	51.7	77.5	

Instrument :
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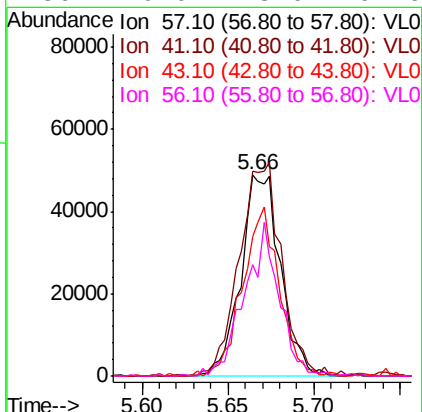
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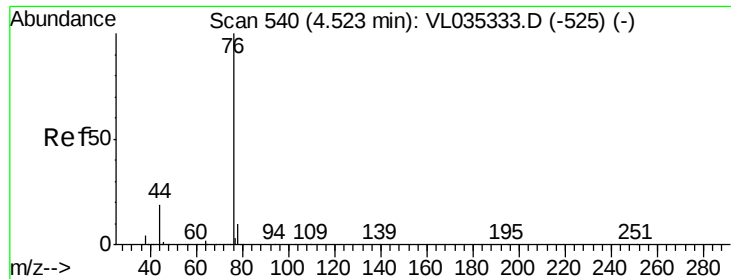
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#26
Hexane
Concen: 0.657 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	0.0	75.2	112.8#	
43	0.0	180.6	270.8#	
56	0.0	43.0	64.6#	





#27

Carbon Disulfide

Concen: 95.569 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035366.D

Acq: 7 Aug 2020 1:44

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 76 Resp:15928492

Ion Ratio Lower Upper

76 100

44 40.5 15.4 23.2#

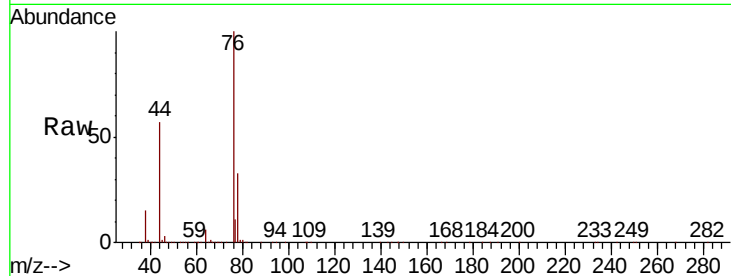
78 22.0 7.7 11.5#

Manual Integrations

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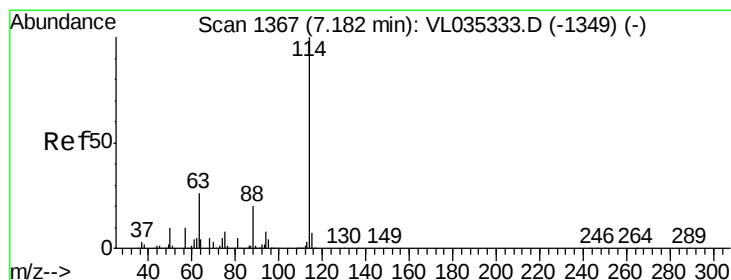
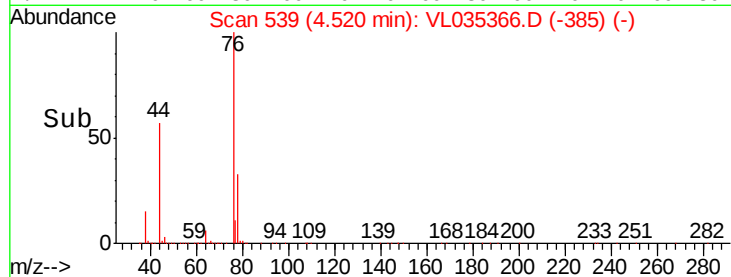
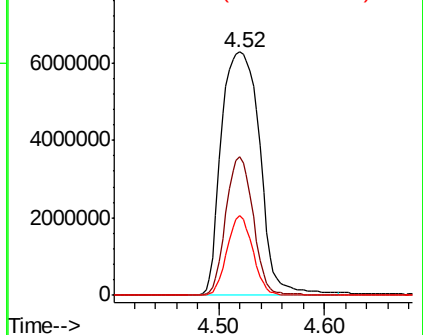
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

Lab File: VL035366.D

Acq: 7 Aug 2020 1:44

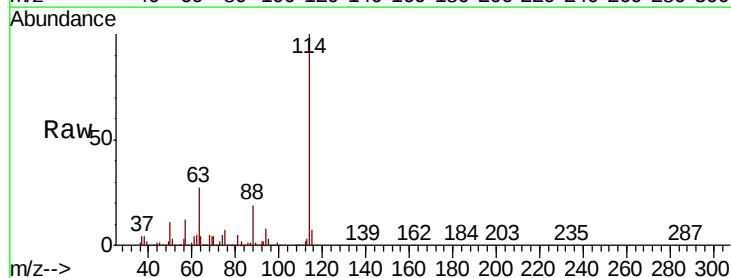
Tgt Ion:114 Resp: 3139696

Ion Ratio Lower Upper

114 100

63 26.6 21.3 31.9

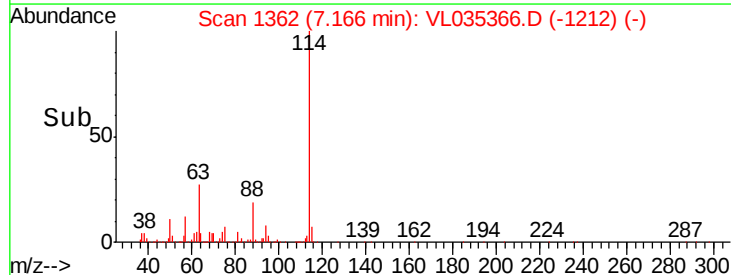
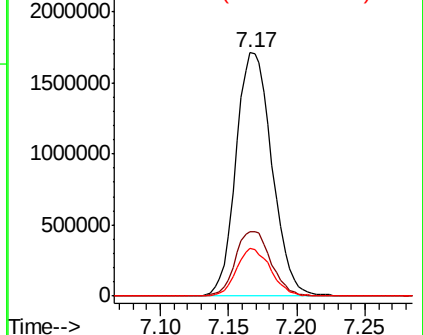
88 18.7 15.3 22.9

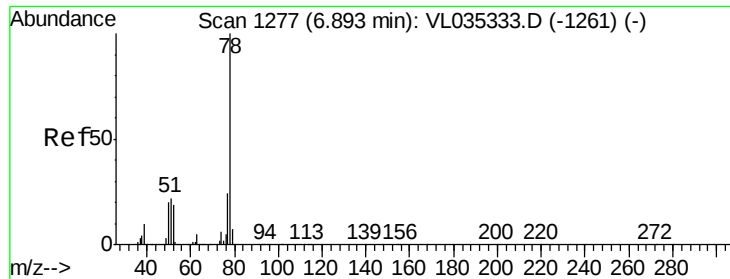


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





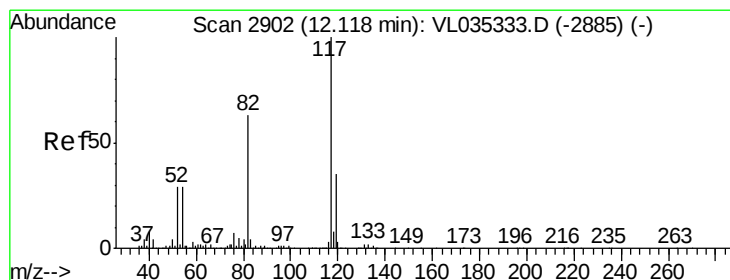
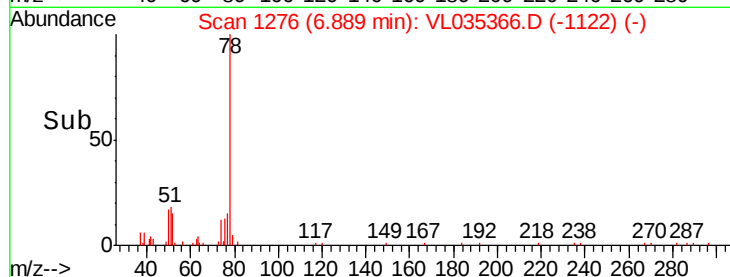
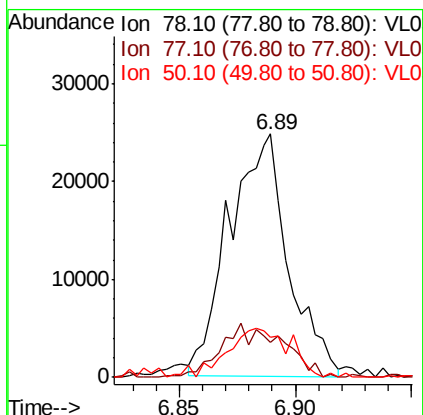
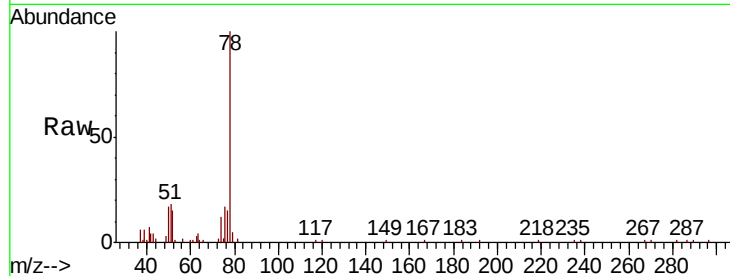
#36
Benzene
Concen: 0.207 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Instrument :
MSVOA_L
ClientSampleId :
LAGCARB-IN-01

Tot Ion	Ratio	Lower	Upper
78	100		
77	12.8	19.3	28.9#
50	35.6	16.3	24.5#

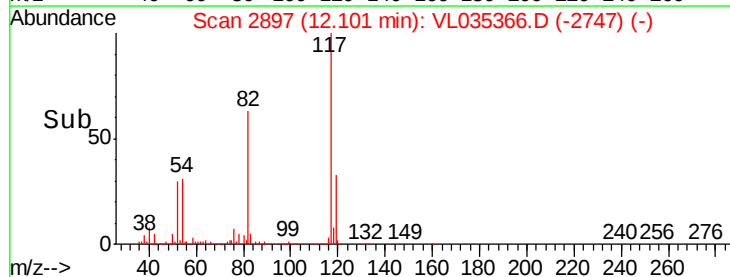
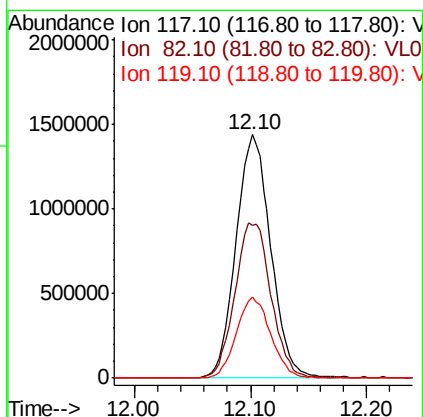
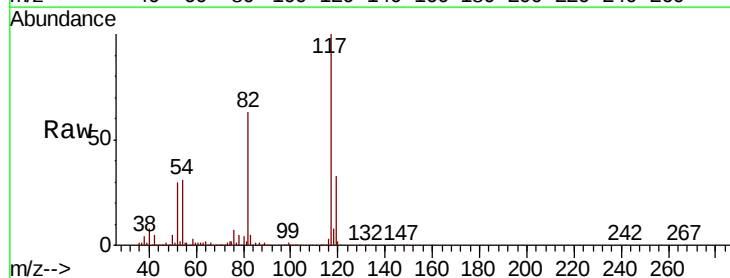
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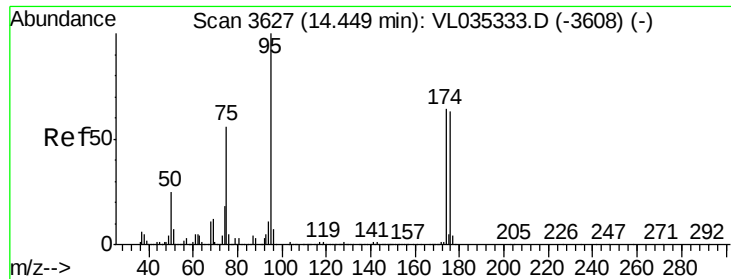
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035366.D
Acq: 7 Aug 2020 1:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.4	51.0	76.4
119	33.1	24.7	37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.911 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL035366.D
 Acq: 7 Aug 2020 1:44

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

Tot Ion	Ratio	Lower	Upper
95	100		
174	67.4	53.5	80.3
175	5.0	4.2	6.2

Manual Integrations
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