

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035152.D
 Acq On : 6 Jul 2020 19:09
 Operator : SY/AP
 Sample : L3190-03DL DUP 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL DUP

Manual Integrations
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 7/9/2020 5:42:34 PM

Quant Time: Jul 07 11:47:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1034072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2443704	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2275293	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1935490	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	85937m	5.029	ppbv	
15) Acetone	3.82	43	1079900	8.638	ppbv	94
17) tert-Butyl alcohol	4.27	59	164071	1.481	ppbv	99
19) Isopropyl Alcohol	3.94	45	52278	0.644	ppbv #	93
20) Methylene Chloride	4.31	84	754764	14.917	ppbv	98
26) Hexane	5.67	57	277721	2.730	ppbv #	46
27) Carbon Disulfide	4.52	76	241763	2.297	ppbv	94
36) Benzene	6.88	78	362690	1.917	ppbv	98
53) Toluene	9.82	91	36826m	0.182	ppbv	

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

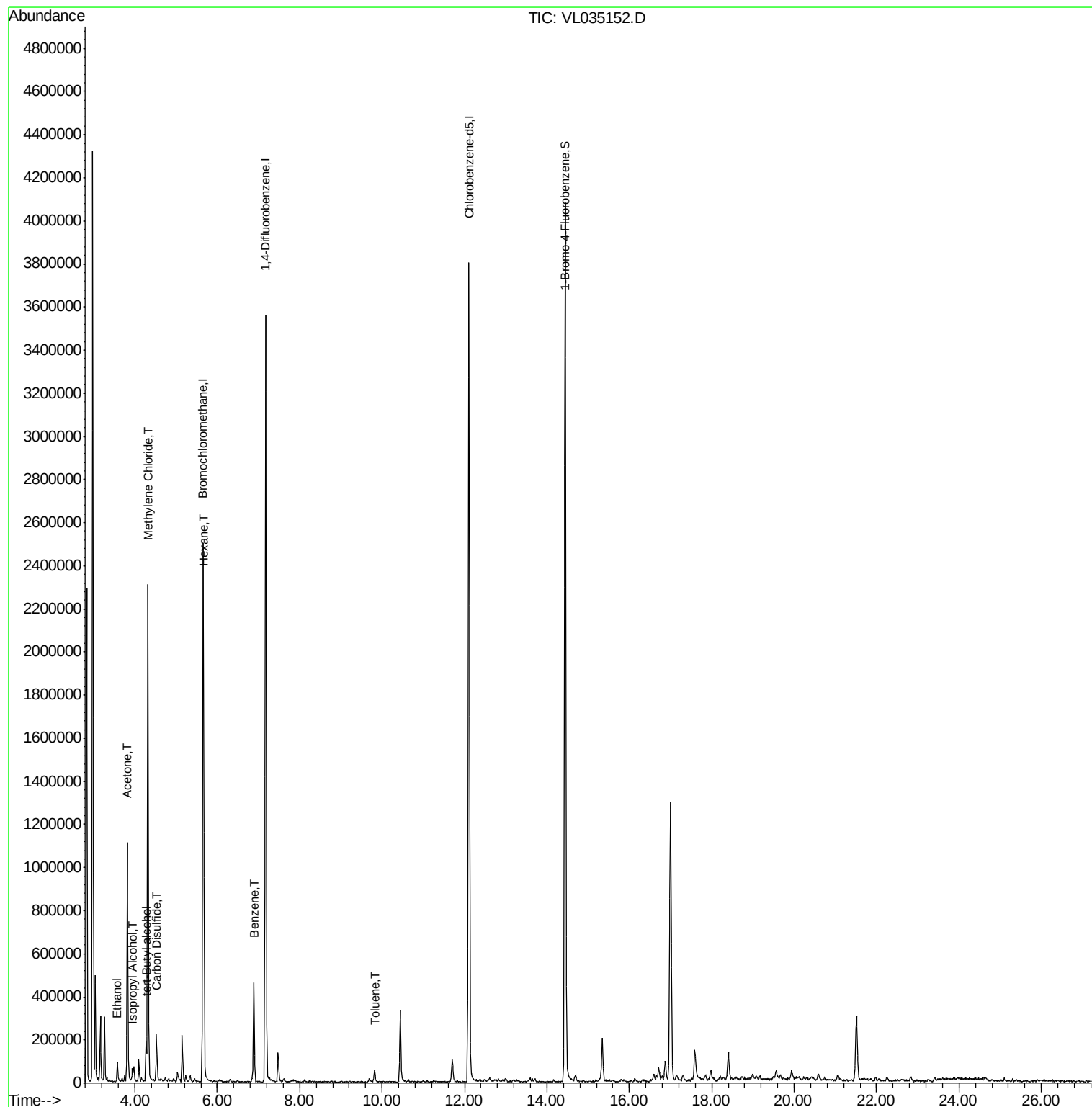
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070620\
Data File : VL035152.D
Acq On : 6 Jul 2020 19:09
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Sample : L3190-03DL DUP 10X
Misc : 400ml/MSVOA L
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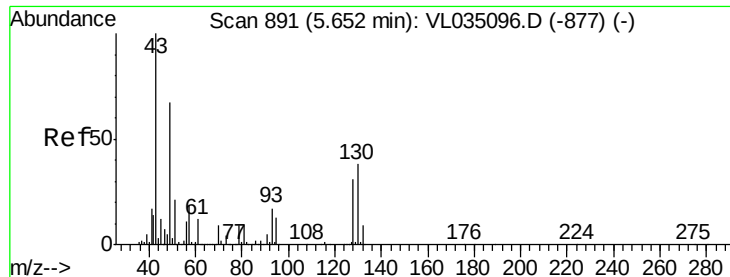
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL DUP

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7/9/2020 5:42:34 PM

Quant Time: Jul 07 11:47:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL035152.D

Acq: 6 Jul 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DLDUP

Tot Ion: 49 Resp: 1034072

Ion Ratio Lower Upper

49 100

128 47.5 22.9 68.5

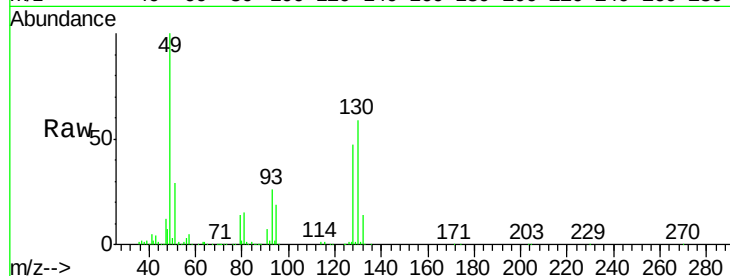
130 61.2 29.0 87.0

Manual Integrations

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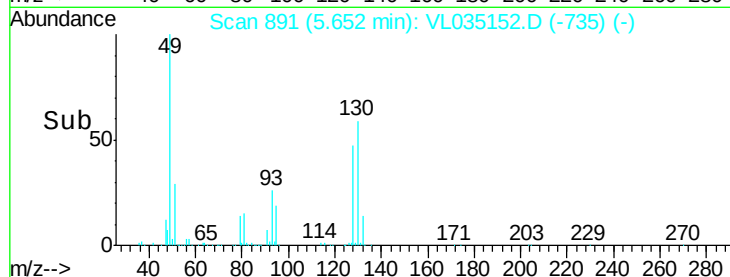
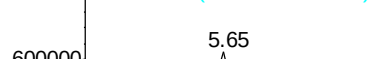
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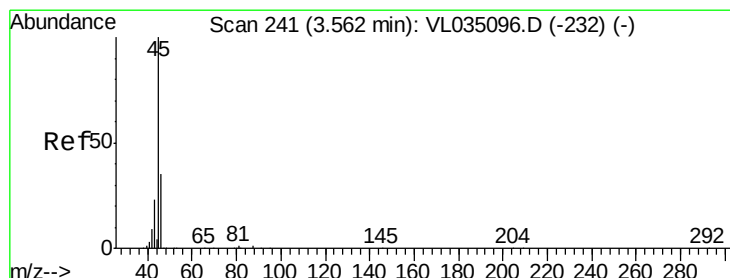
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#13

Ethanol

Concen: 5.029 ppbv m

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL035152.D

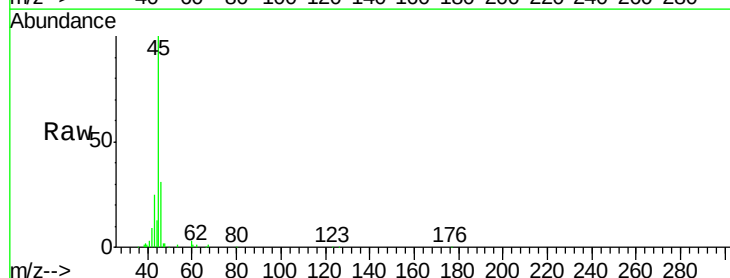
Acq: 6 Jul 2020 19:09

Tgt Ion: 45 Resp: 85937

Ion Ratio Lower Upper

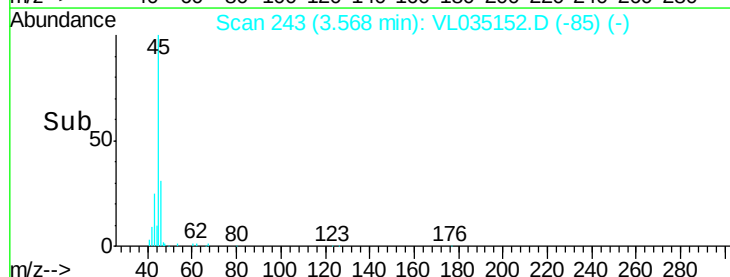
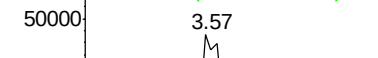
45 100

46 38.0 14.2 57.0

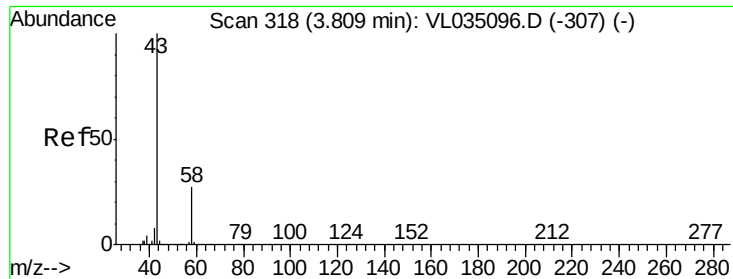


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



Time-->



#15

Acetone

Concen: 8.638 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.01 min

Lab File: VL035152.D

Acq: 6 Jul 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DLDUP

Tot Ion: 43 Resp: 1079900

Ion Ratio Lower Upper

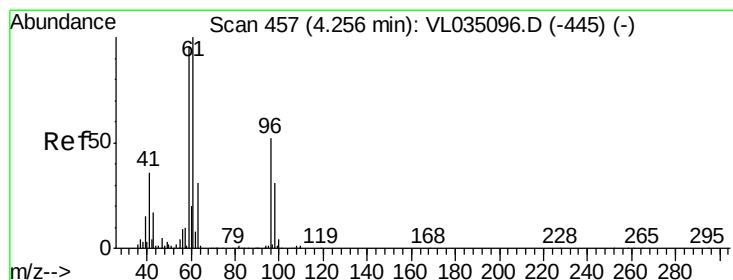
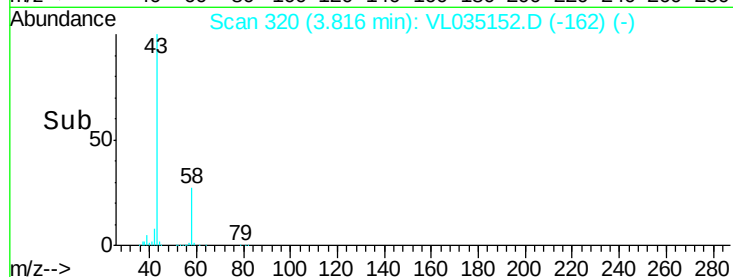
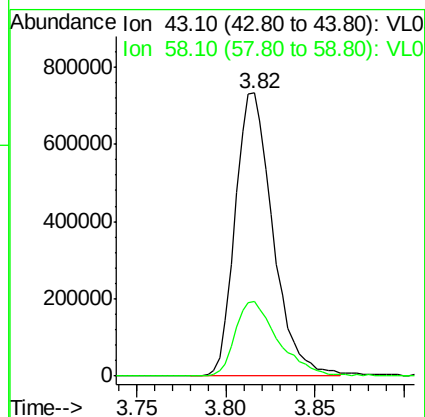
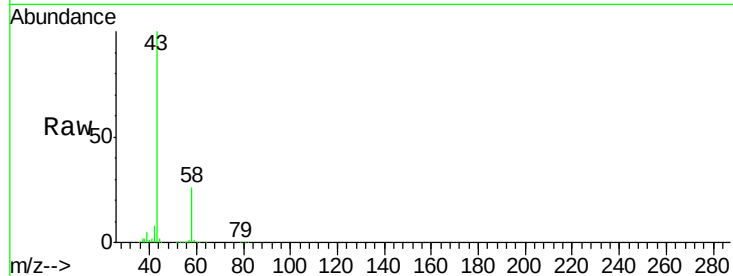
43 100

58 30.4 21.8 32.6

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#17

tert-Butyl alcohol

Concen: 1.481 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL035152.D

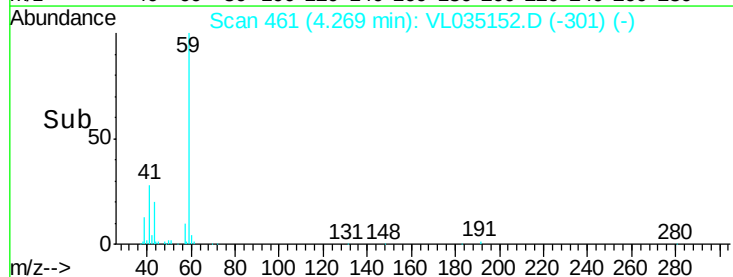
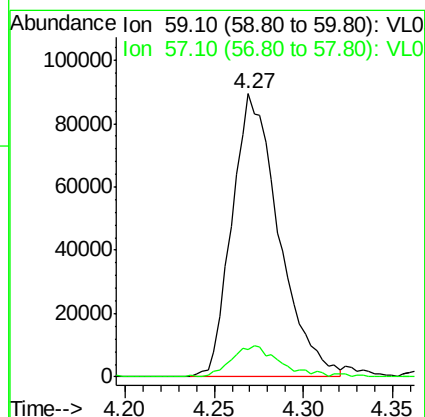
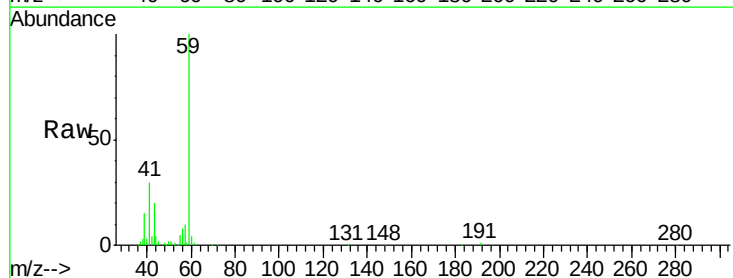
Acq: 6 Jul 2020 19:09

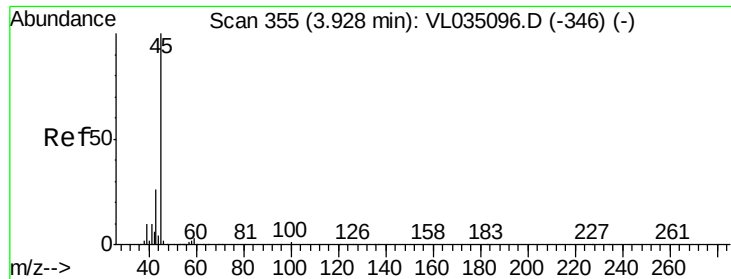
Tgt Ion: 59 Resp: 164071

Ion Ratio Lower Upper

59 100

57 11.2 8.6 12.8





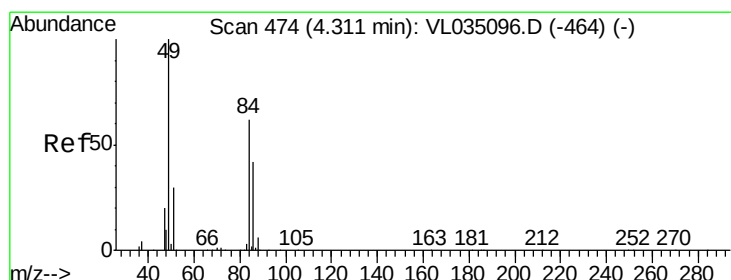
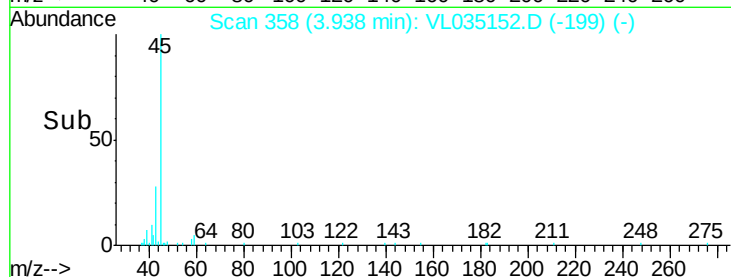
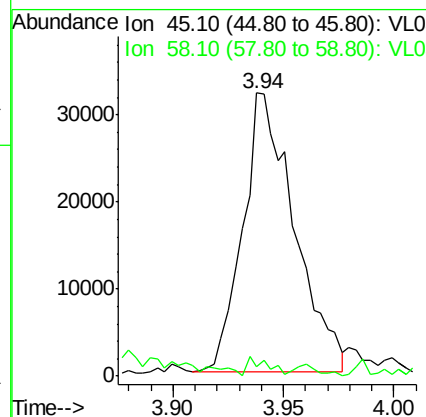
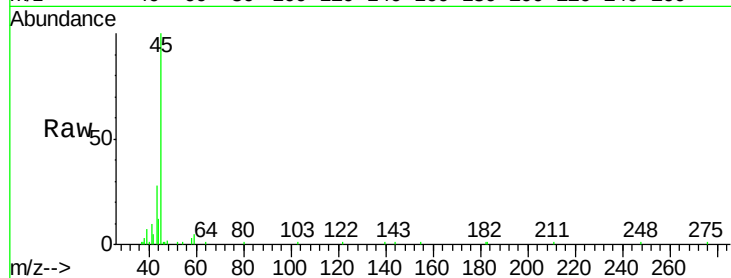
#19
Isopropyl Alcohol
Concen: 0.644 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.01 min
Lab File: VL035152.D
Acq: 6 Jul 2020 19:09

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#

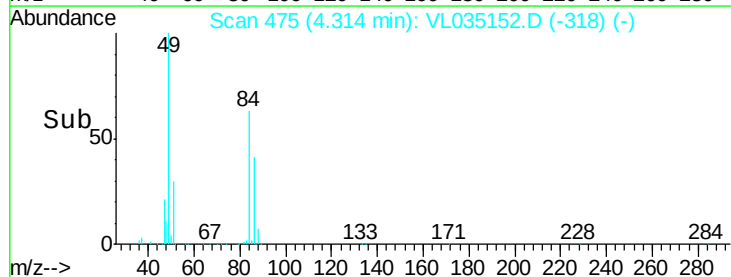
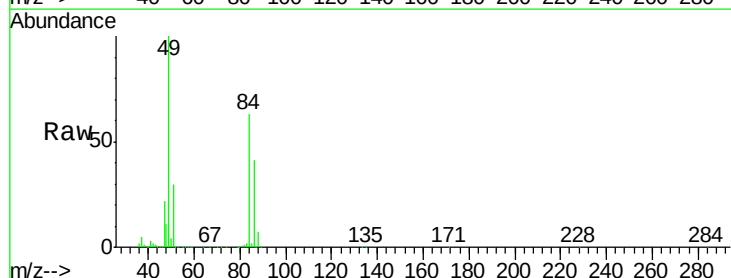
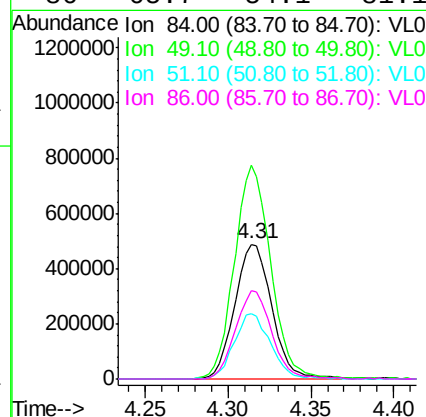
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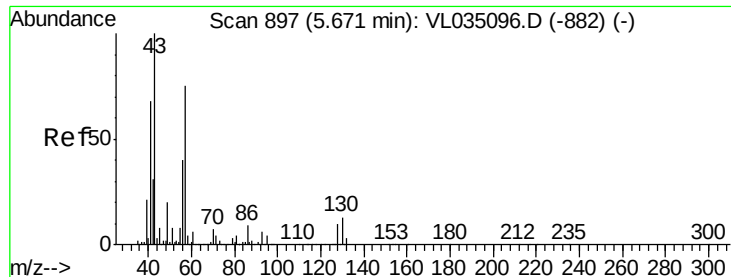
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#20
Methylene Chloride
Concen: 14.917 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035152.D
Acq: 6 Jul 2020 19:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.2	128.8	193.2
51	47.8	38.7	58.1
86	65.7	54.1	81.1





#26

Hexane

Concen: 2.730 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035152.D

Acq: 6 Jul 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

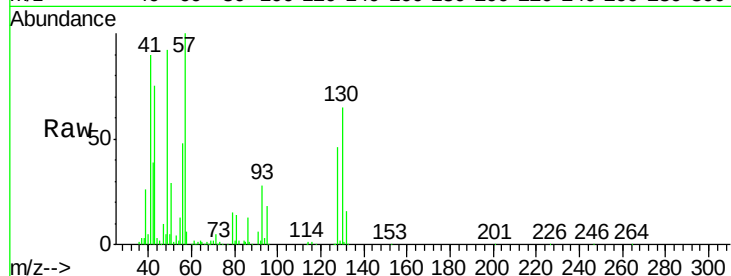
EXHAUST-02DLDUP

Tot Ion: 57 Resp: 277721

Ion	Ratio	Lower	Upper
57	100		
41	94.1	72.9	109.3
43	82.4	181.3	271.9#
56	53.9	43.1	64.7

Manual Integrations
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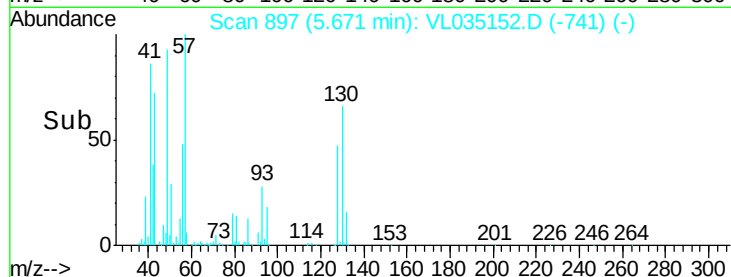
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

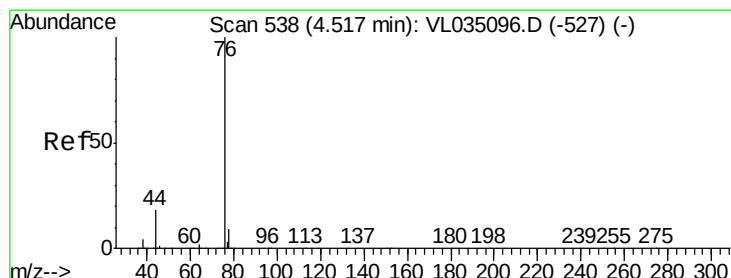
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->



Time-->



#27

Carbon Disulfide

Concen: 2.297 ppbv

RT: 4.52 min Scan# 540

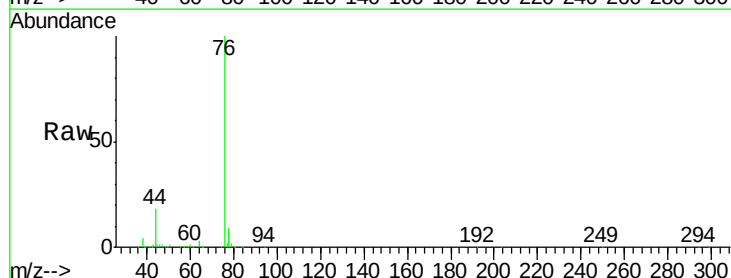
Delta R.T. 0.01 min

Lab File: VL035152.D

Acq: 6 Jul 2020 19:09

Tgt Ion: 76 Resp: 241763

Ion	Ratio	Lower	Upper
76	100		
44	23.7	15.8	23.8
78	9.0	7.6	11.4

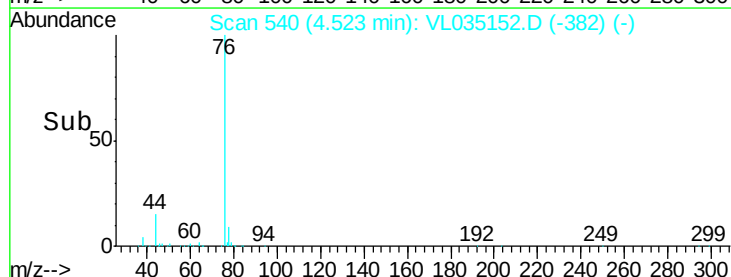


Abundance Ion 76.00 (75.70 to 76.70): VL0

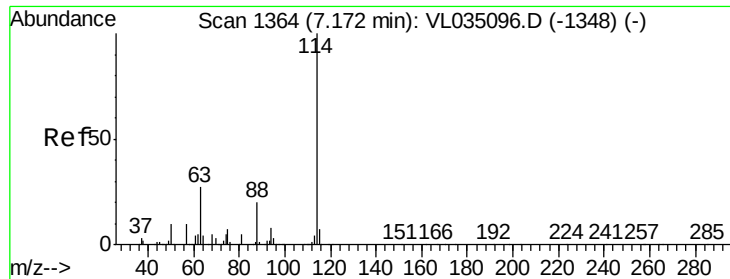
Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

Time-->



Time-->



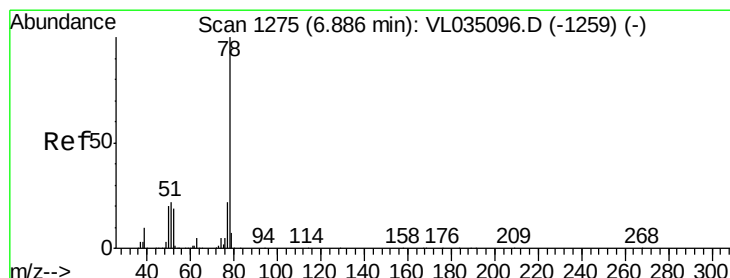
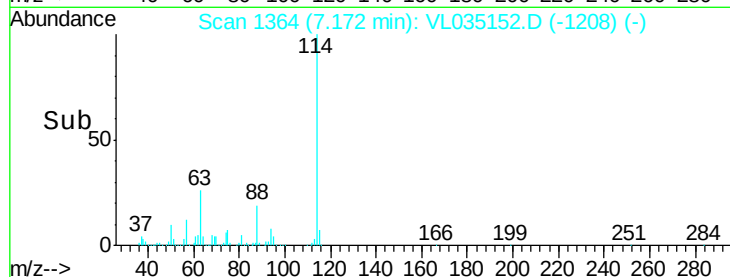
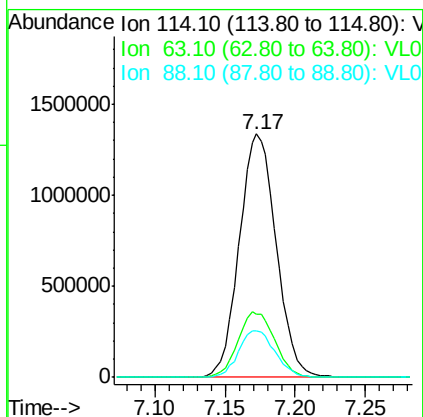
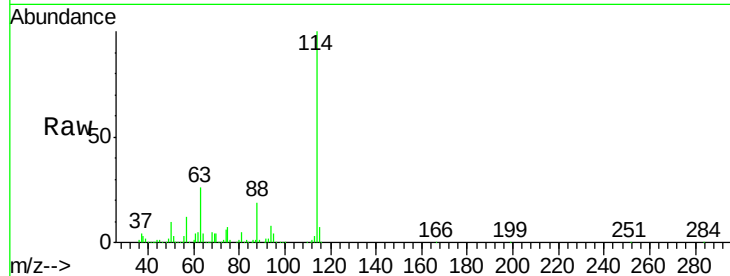
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL035152.D
 Acq: 6 Jul 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DLDUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.9	32.9
88	19.2	15.6	23.4

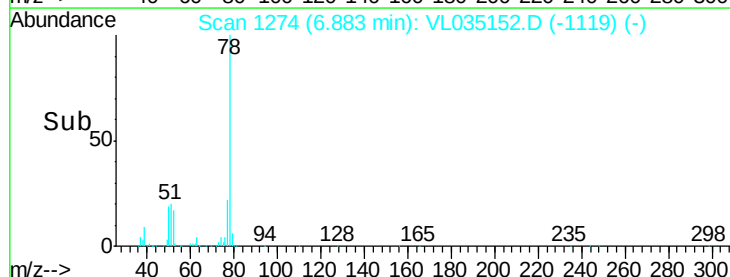
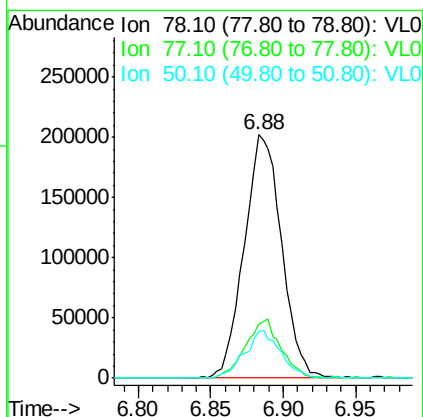
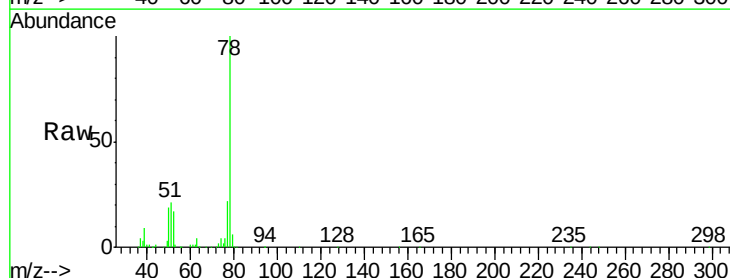
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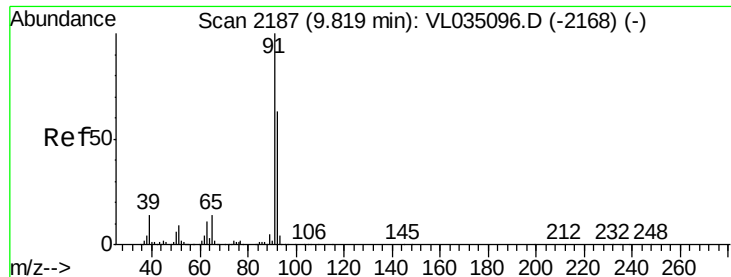
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#36
 Benzene
 Concen: 1.917 ppbv
 RT: 6.88 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VL035152.D
 Acq: 6 Jul 2020 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.8	26.6
50	18.8	16.2	24.2





#53

Toluene

Concen: 0.182 ppbv m

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035152.D

Acq: 6 Jul 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DLDUP

Tot Ion: 91 Resp: 36826

Ion Ratio Lower Upper

91 100

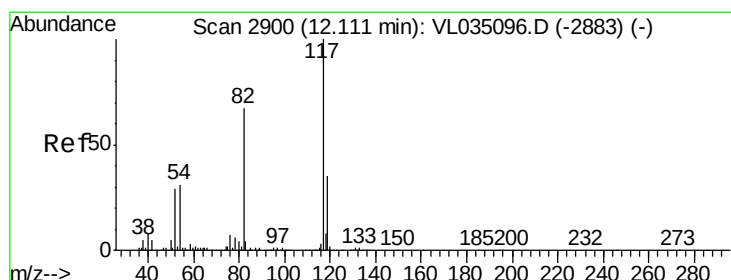
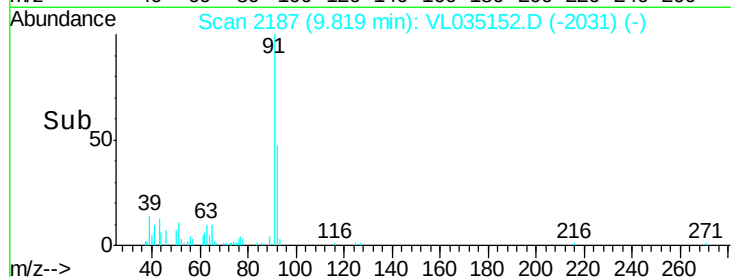
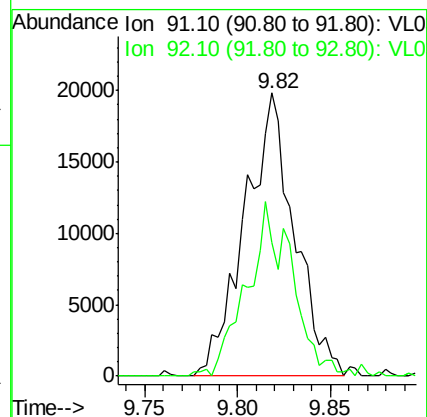
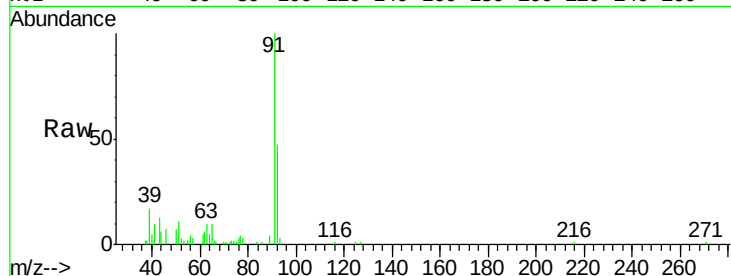
92 57.1 49.0 73.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035152.D

Acq: 6 Jul 2020 19:09

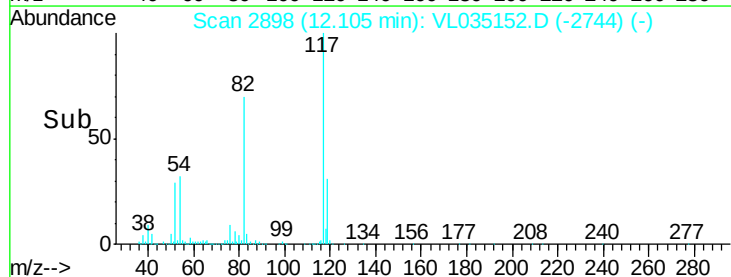
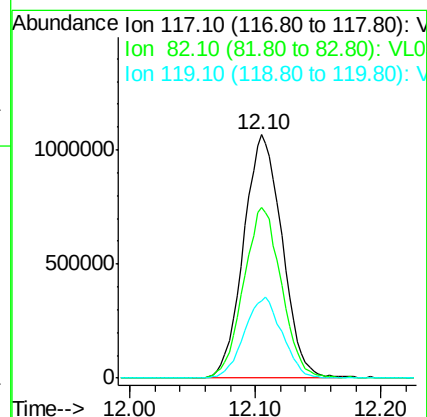
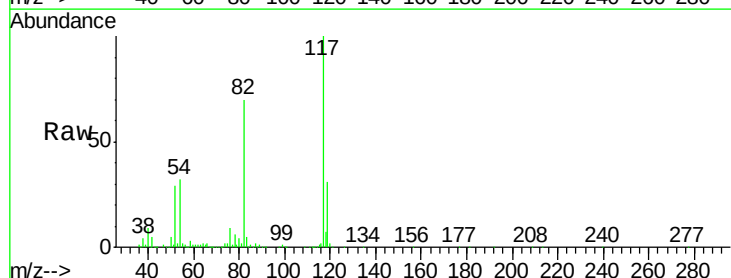
Tgt Ion: 117 Resp: 2275293

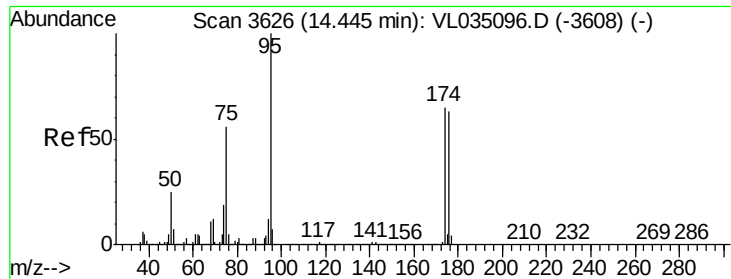
Ion Ratio Lower Upper

117 100

82 69.6 50.4 75.6

119 32.8 25.4 38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.240 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035152.D
 Acq: 6 Jul 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DLDP

Tot Ion: 95 Resp: 1935490
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.2 78.2
 175 4.7 4.0 6.0

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