

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035642.D
 Acq On : 16 Sep 2020 23:42
 Operator : SY/AP
 Sample : L4036-03DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DB-IA-Y03DL

Manual Integrations
 APPROVED

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 9/17/2020 1:52:53 PM

Quant Time: Sep 17 08:04:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1191215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4591927	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4540264	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3341821	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	21125	0.102	ppbv	95
4) Chloromethane	3.13	50	8210	0.116	ppbv	93
13) Ethanol	3.61	45	18043m	1.433	ppbv	
15) Acetone	3.86	43	84544	0.644	ppbv	89
20) Methylene Chloride	4.34	84	46956	0.480	ppbv	97
26) Hexane	5.68	57	53840	0.409	ppbv #	47
27) Carbon Disulfide	4.55	76	18718	0.099	ppbv #	71
52) Tetrachloroethene	11.23	164	5708m	0.033	ppbv	

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

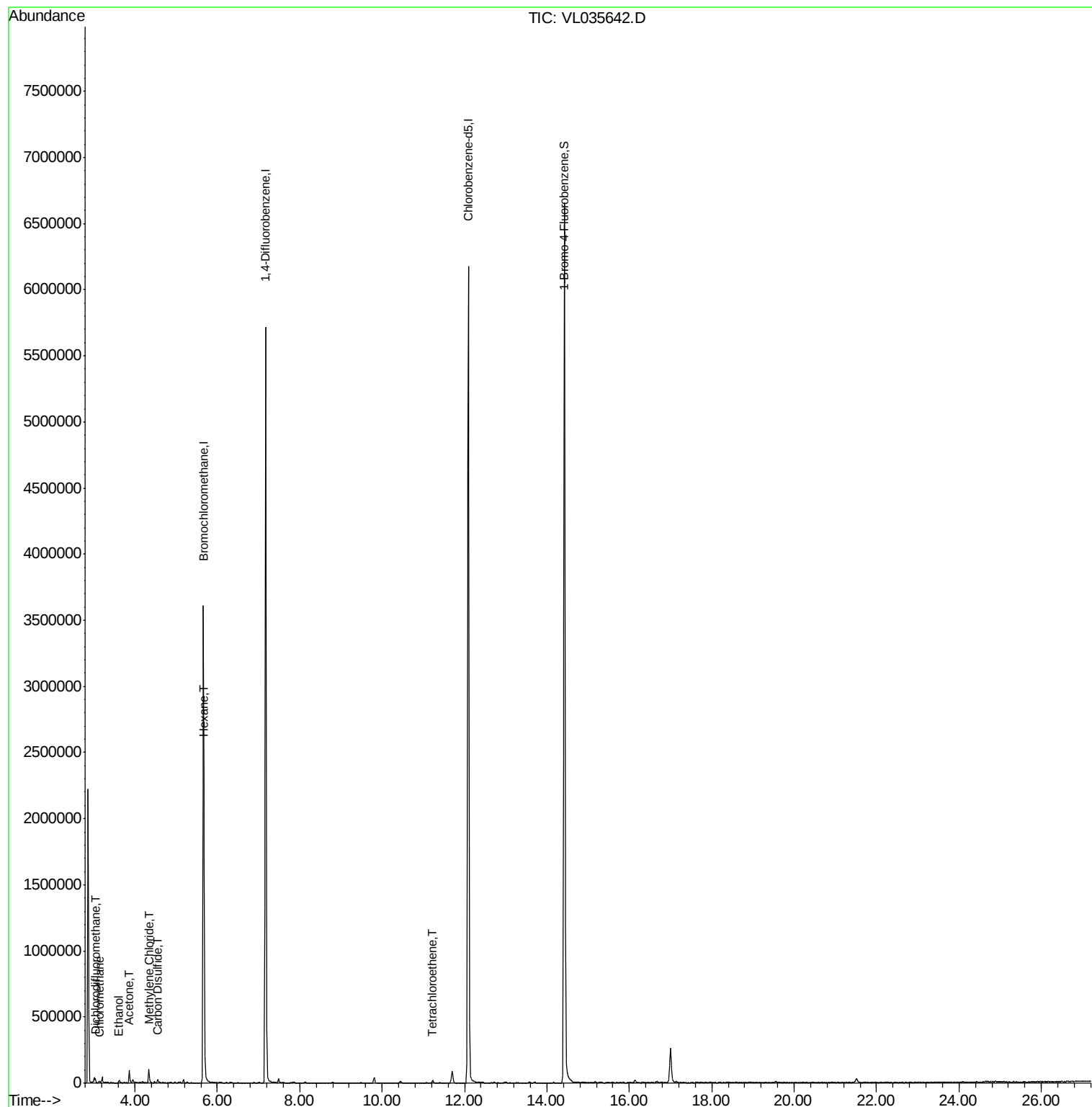
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
Data File : VL035642.D
Acq On : 16 Sep 2020 23:42
Operator : SY/AP
Sample : L4036-03DL 4X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

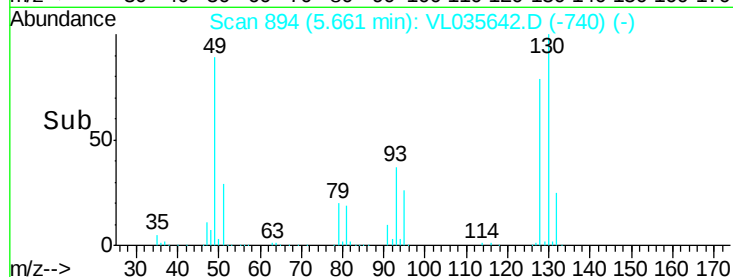
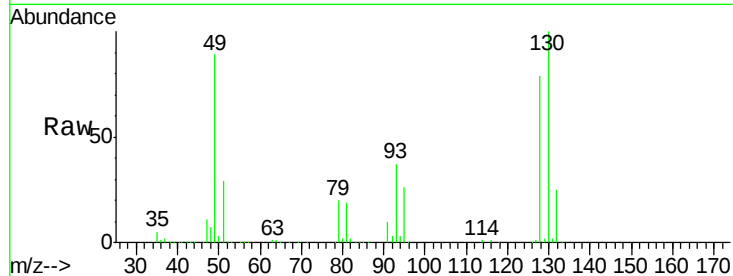
Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y03DL

Manual Integrations
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Quant Time: Sep 17 08:04:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Tot Ion:	49	Resp:	1191215
Ion	Ratio	Lower	Upper
49	100		
128	89.7	50.0	150.1
130	114.7	64.4	193.2

Instrument :

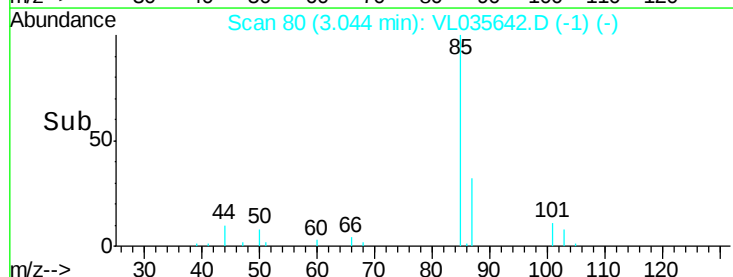
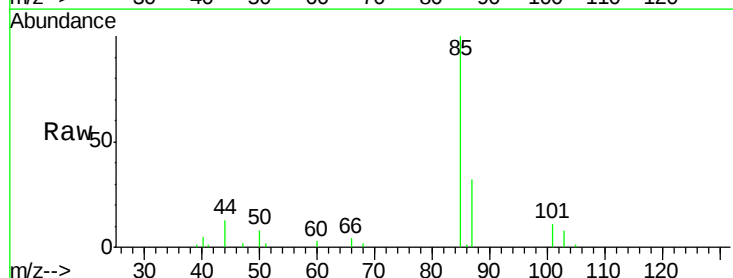
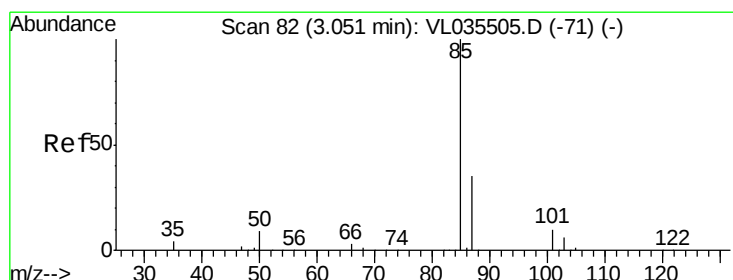
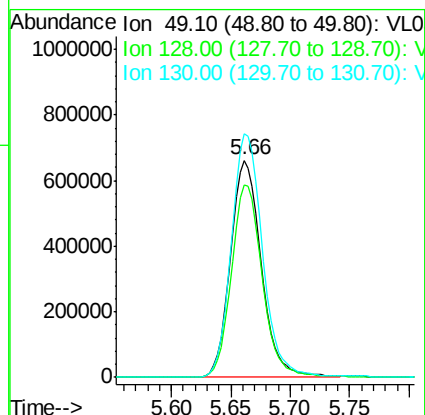
MSVOA_L

ClientSampleId :

DB-IA-Y03DL

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#2

Dichlorodifluoromethane

Concen: 0.102 ppbv

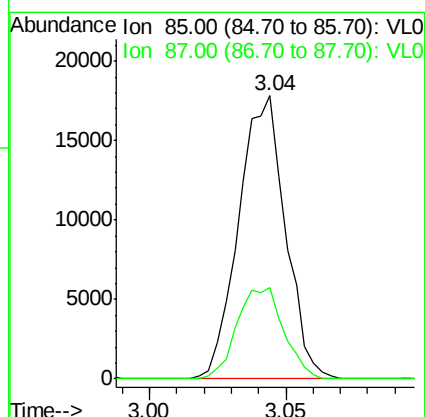
RT: 3.04 min Scan# 80

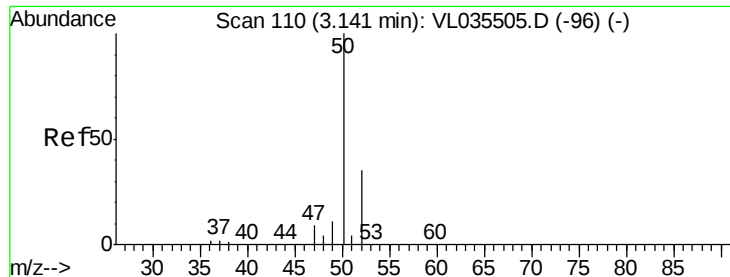
Delta R.T. 0.01 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Tgt Ion:	85	Resp:	21125
Ion	Ratio	Lower	Upper
85	100		
87	32.1	28.0	42.0





#4

Chloromethane

Concen: 0.116 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y03DL

Tot Ion: 50 Resp: 8210

Ion Ratio Lower Upper

50 100

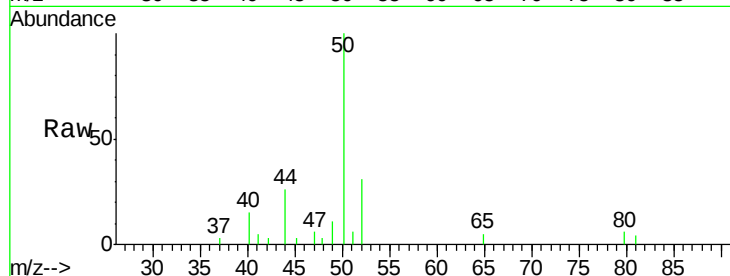
52 30.6 27.7 41.5

Manual Integrations

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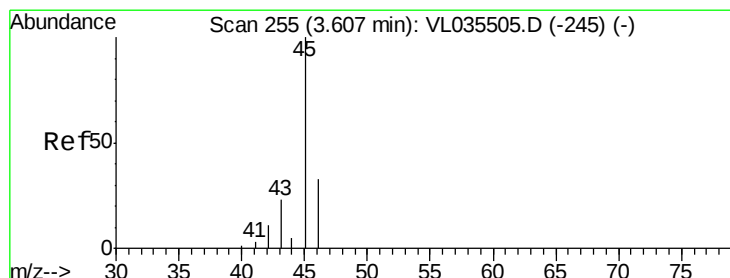
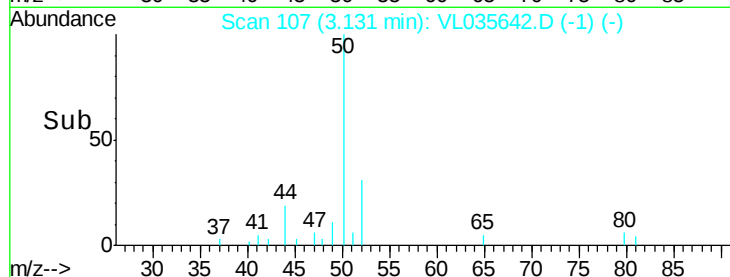
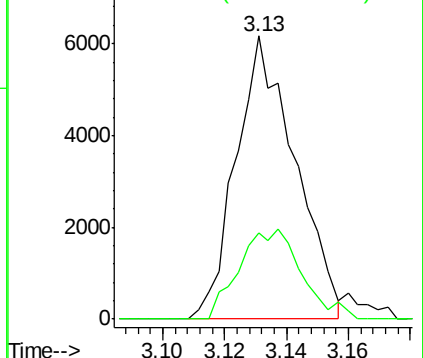
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 1.433 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL035642.D

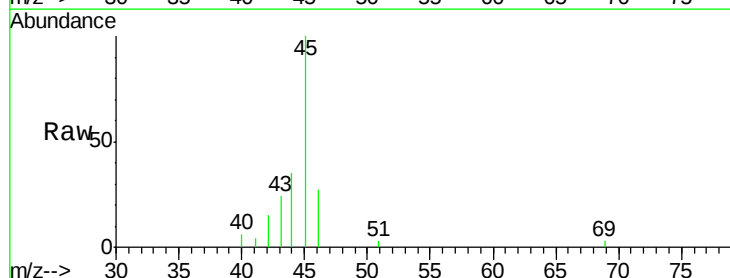
Acq: 16 Sep 2020 23:42

Tgt Ion: 45 Resp: 18043

Ion Ratio Lower Upper

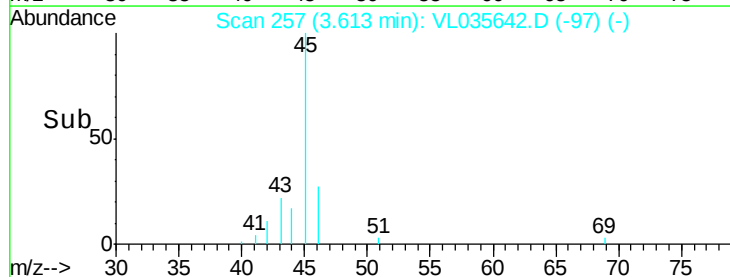
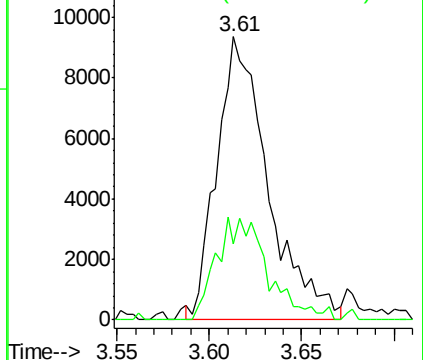
45 100

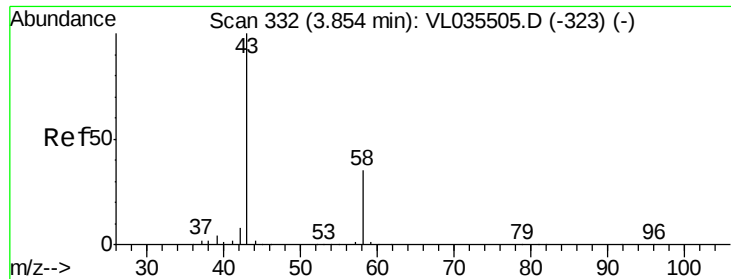
46 0.0 15.2 60.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.644 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y03DL

Tot Ion: 43 Resp: 84544

Ion Ratio Lower Upper

43 100

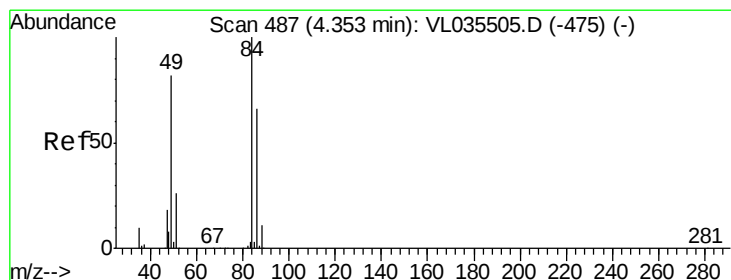
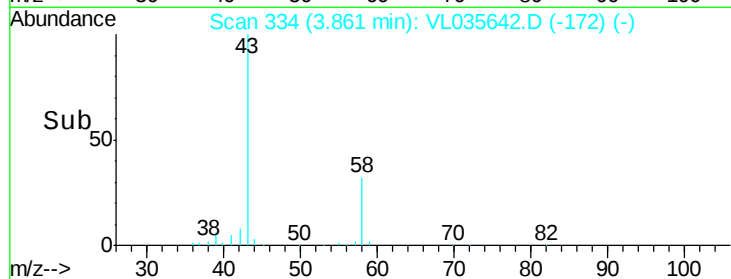
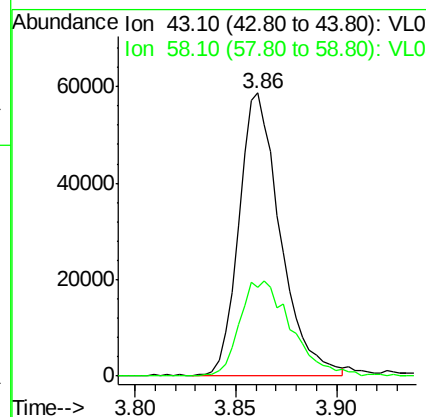
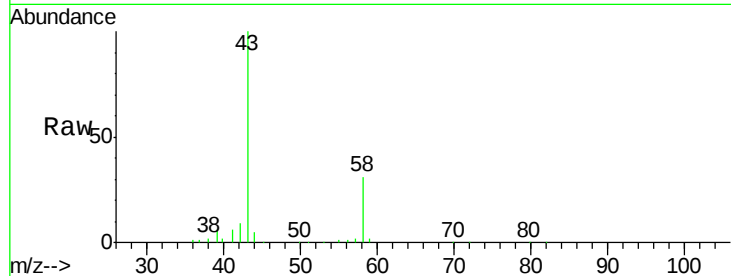
58 42.0 28.4 42.6

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#20

Methylene Chloride

Concen: 0.480 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Tgt Ion: 84 Resp: 46956

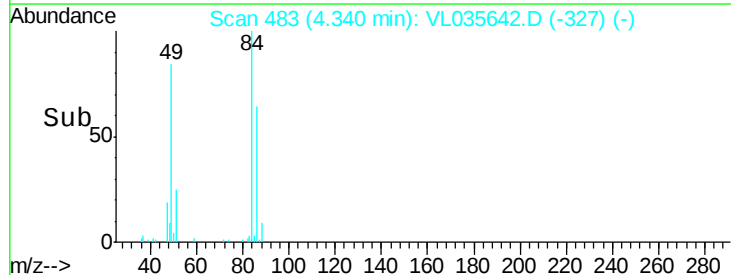
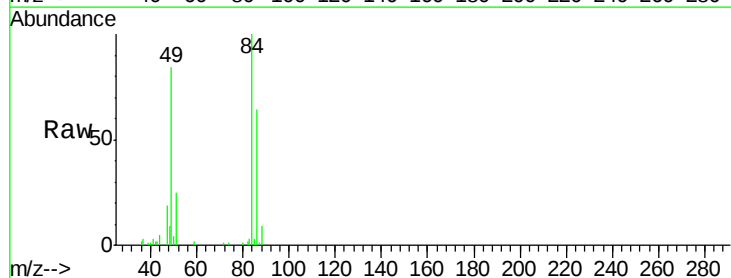
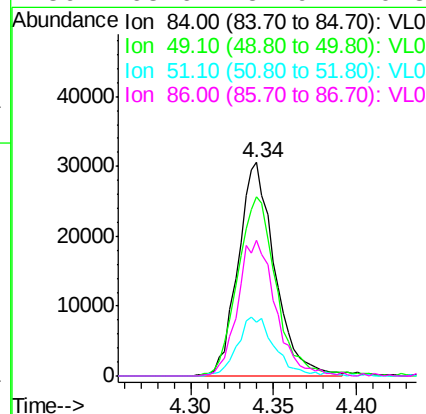
Ion Ratio Lower Upper

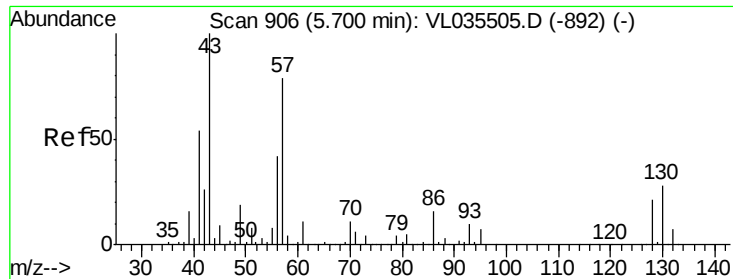
84 100

49 83.9 65.4 98.0

51 25.0 21.5 32.3

86 63.6 52.9 79.3





#26

Hexane

Concen: 0.409 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Instrument :

MSVOA_L

ClientSampleID :

DB-IA-Y03DL

Tot Ion: 57 Resp: 53840

Ion Ratio Lower Upper

57 100

41 79.7 55.9 83.9

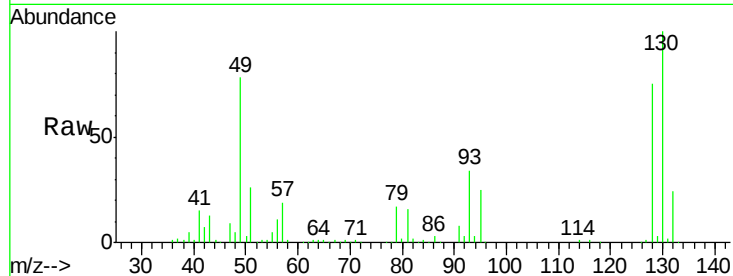
43 63.1 141.8 212.8#

56 59.1 41.8 62.8

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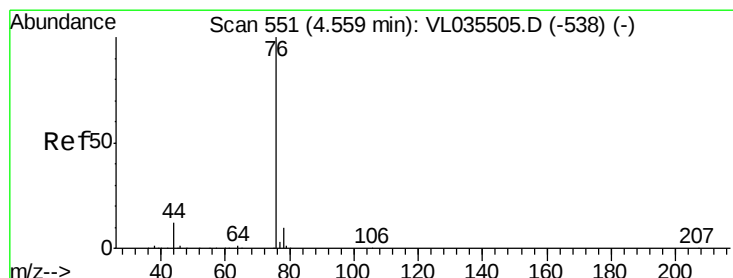
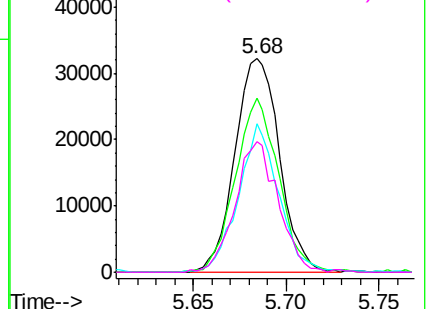
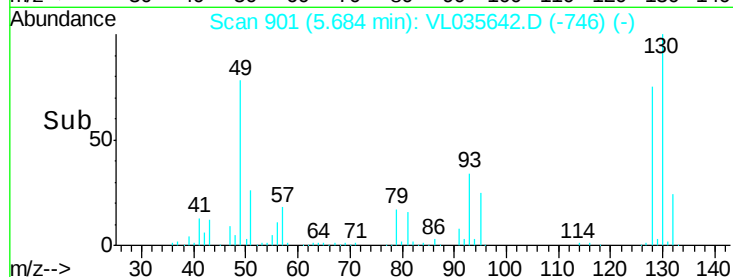


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#27

Carbon Disulfide

Concen: 0.099 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

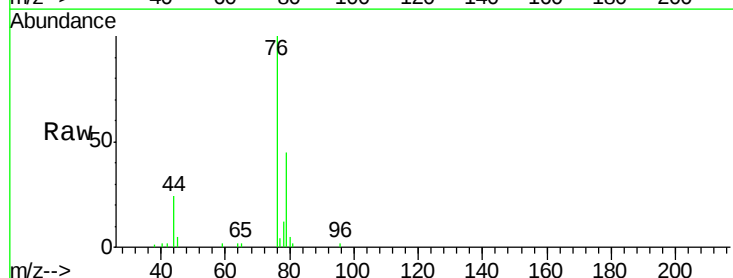
Tgt Ion: 76 Resp: 18718

Ion Ratio Lower Upper

76 100

44 27.6 9.3 13.9#

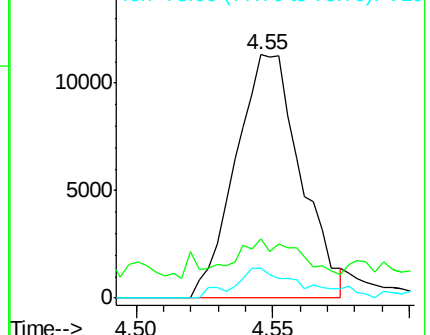
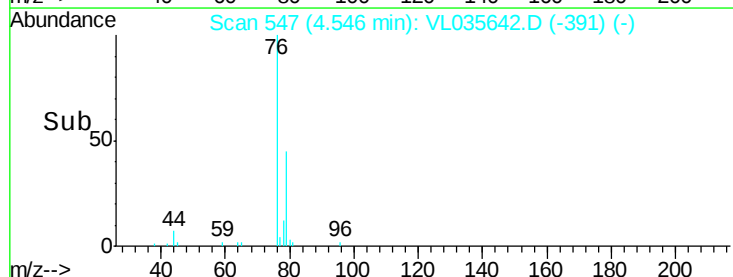
78 15.0 7.8 11.6#

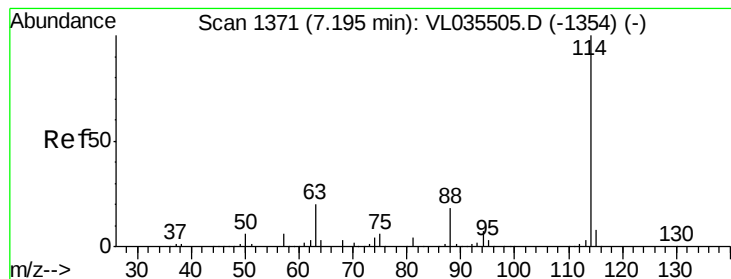


Abundance Ion 76.00 (75.70 to 76.70): VL0

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# 1364

Delta R.T. -0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y03DL

Tot Ion:114 Resp: 4591927

Ion Ratio Lower Upper

114 100

63 19.5 14.7 22.1

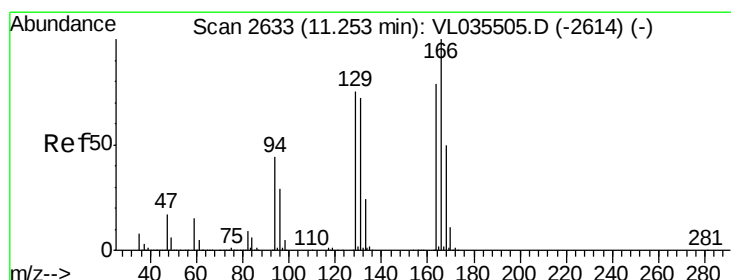
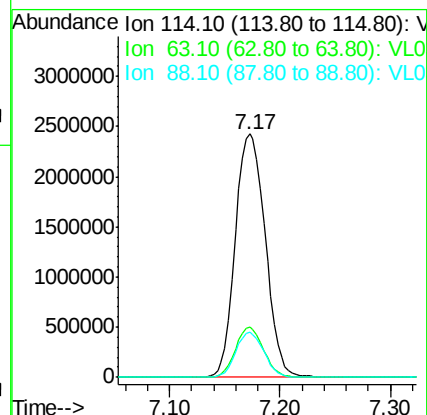
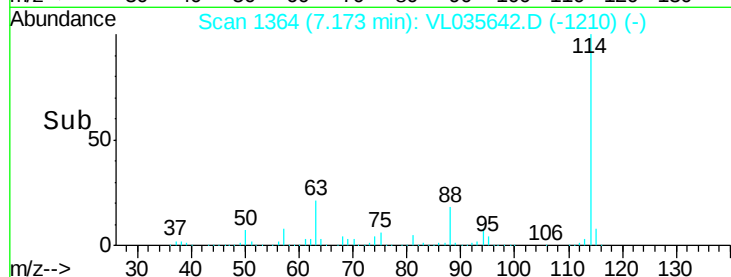
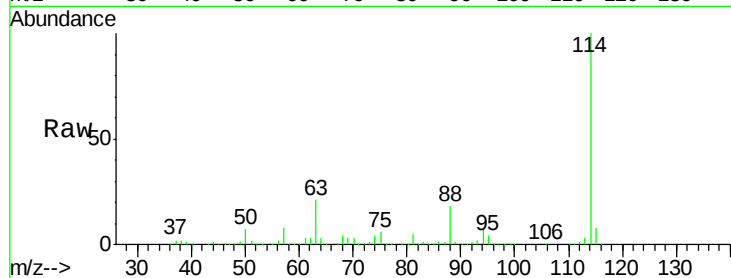
88 17.4 13.4 20.2

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#52

Tetrachloroethene

Concen: 0.033 ppbv m

RT: 11.23 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL035642.D

Acq: 16 Sep 2020 23:42

Tgt Ion:164 Resp: 5708

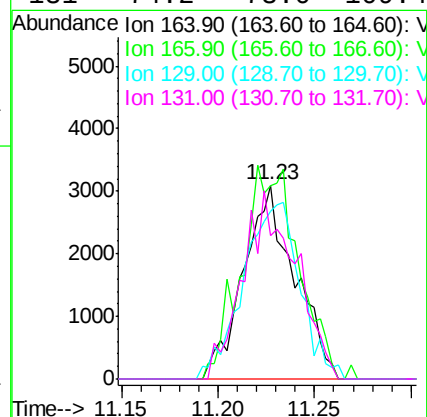
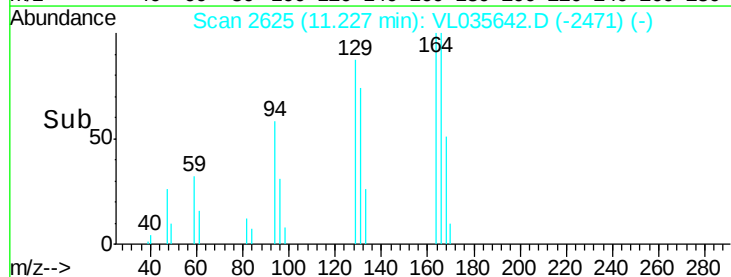
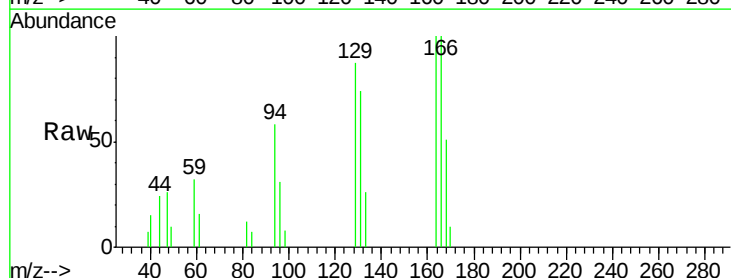
Ion Ratio Lower Upper

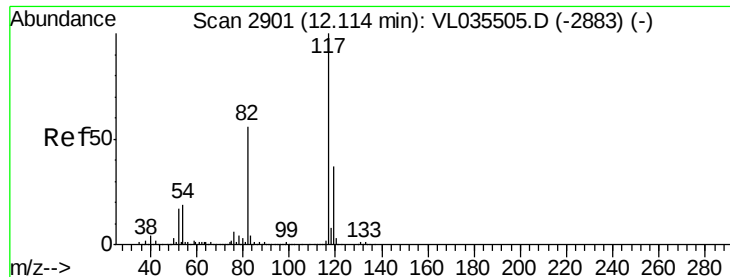
164 100

166 99.8 100.9 151.3#

129 86.7 75.3 112.9

131 74.2 73.0 109.4





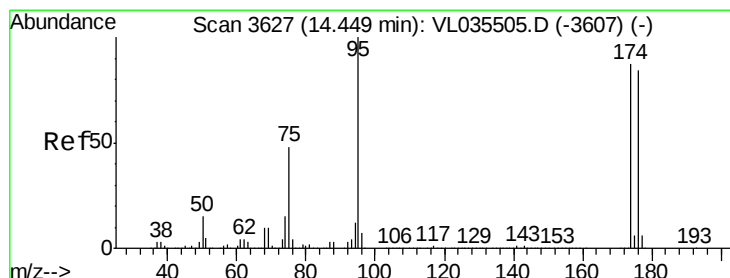
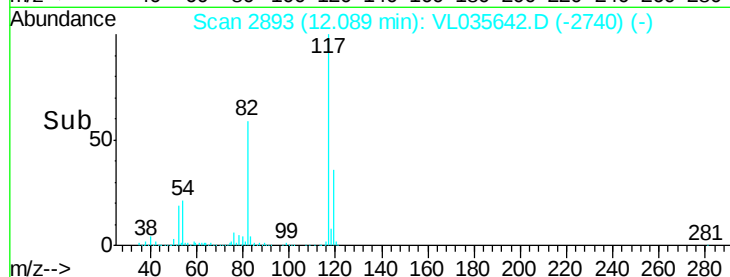
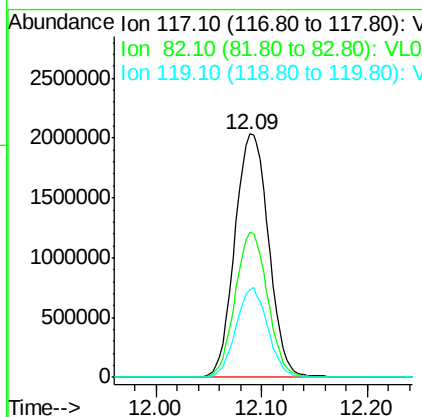
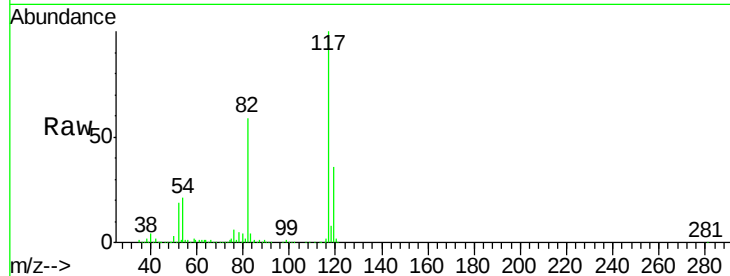
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035642.D
Acq: 16 Sep 2020 23:42

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y03DL

Tot Ion:117 Resp: 4540264
Ion Ratio Lower Upper
117 100
82 57.6 41.6 62.4
119 34.7 29.3 43.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.365 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL035642.D
Acq: 16 Sep 2020 23:42

Tgt Ion: 95 Resp: 3341821
Ion Ratio Lower Upper
95 100
174 79.1 69.6 104.4
175 5.7 5.1 7.7

