

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037355.D
 Acq On : 6 Aug 2021 22:38
 Operator : SY/AP
 Sample : M3157-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-2DL

Manual Integrations
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 8/10/2021 6:09:54 PM

Quant Time: Aug 07 03:43:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	869807	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2944482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2508017	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1616465	9.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	11090m	0.190	ppbv	
13) Ethanol	3.61	45	214030	19.934	ppbv	98
15) Acetone	3.86	43	152656m	1.684	ppbv	
19) Isopropyl Alcohol	3.98	45	30553m	0.557	ppbv	
20) Methylene Chloride	4.34	84	247598	3.262	ppbv	99
26) Hexane	5.68	57	79044	0.624	ppbv #	48
29) Chloroform	5.74	83	44031	0.259	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	27900m	0.279	ppbv	
34) 2-Butanone	5.25	43	20117m	0.203	ppbv	
35) Carbon Tetrachloride	7.01	117	20586m	0.112	ppbv	
38) Trichloroethene	7.83	130	8017m	0.073	ppbv	
52) Tetrachloroethene	11.21	164	158882m	1.476	ppbv	
53) Toluene	9.79	91	39336m	0.150	ppbv	

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

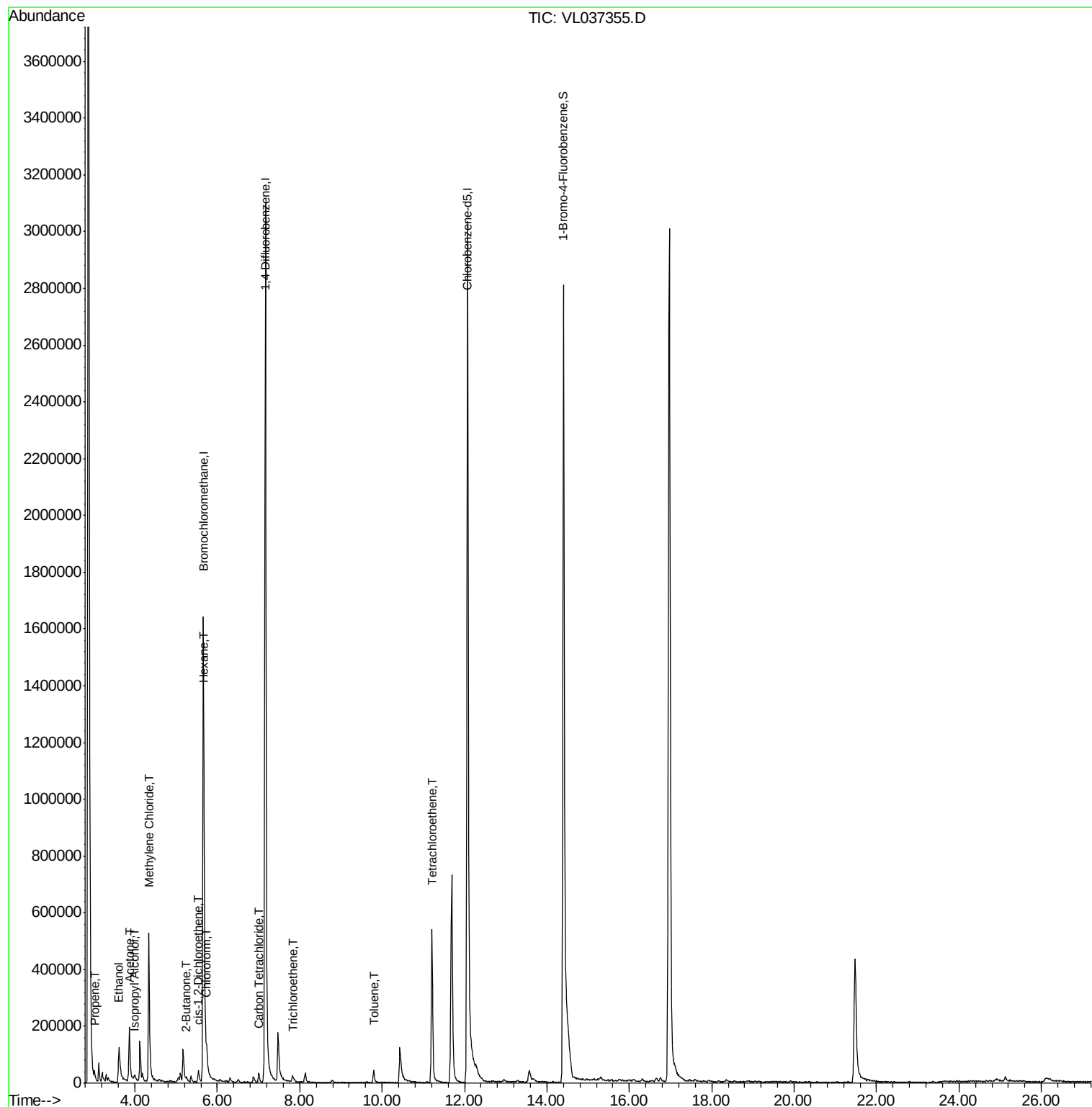
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037355.D
Acq On : 6 Aug 2021 22:38
Operator : SY/AP
Sample : M3157-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

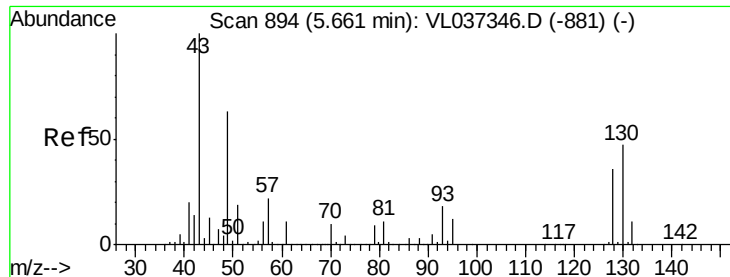
Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Manual Integrations
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8/10/2021 6:09:54 PM

Quant Time: Aug 07 03:43:42 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 17:52:04 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Instrument :

MSVOA_L

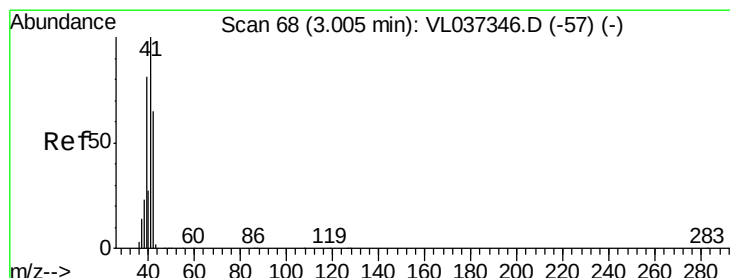
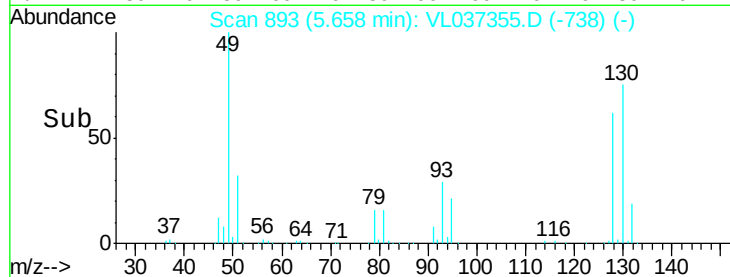
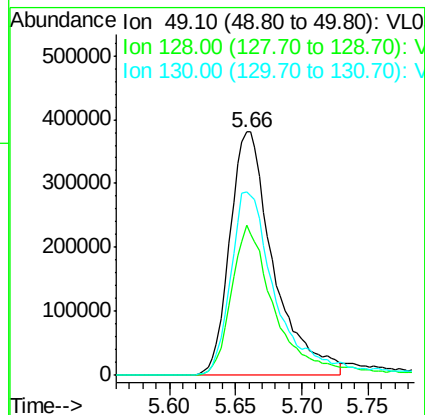
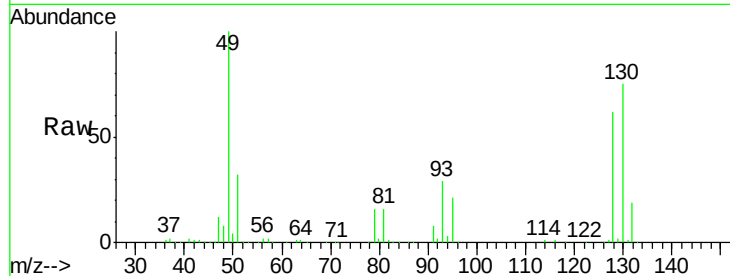
ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 49 Resp: 869807
 Ion Ratio Lower Upper
 49 100
 128 64.8 32.1 96.3
 130 82.2 40.0 120.0

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#9

Propene

Concen: 0.190 ppbv m

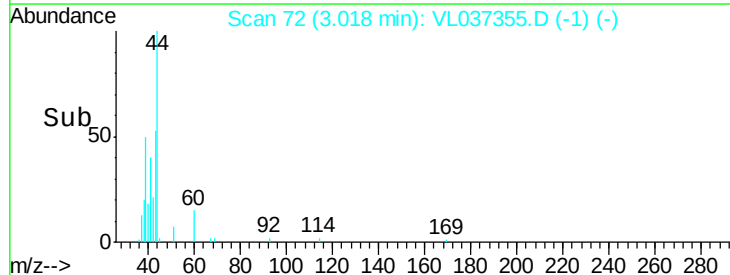
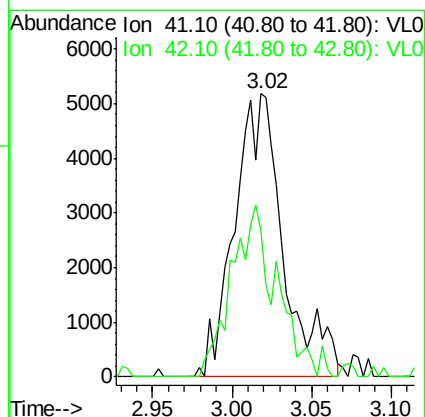
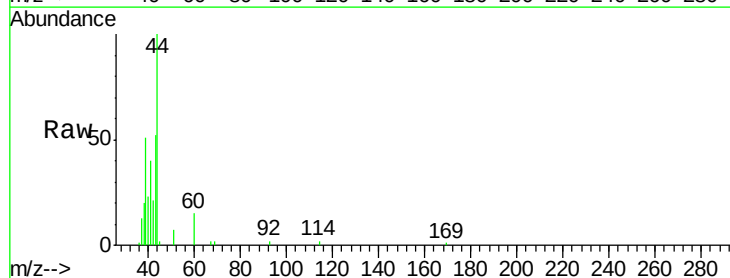
RT: 3.02 min Scan# 72

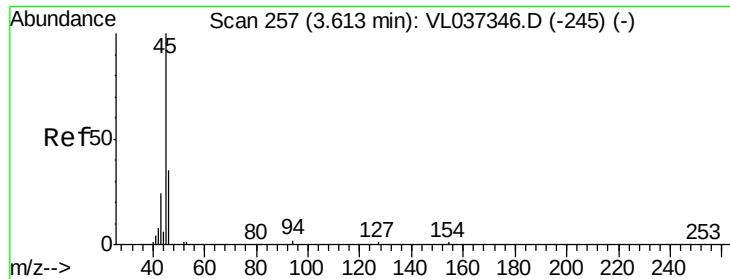
Delta R.T. 0.01 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Tgt Ion: 41 Resp: 11090
 Ion Ratio Lower Upper
 41 100
 42 19.0 54.3 81.5#





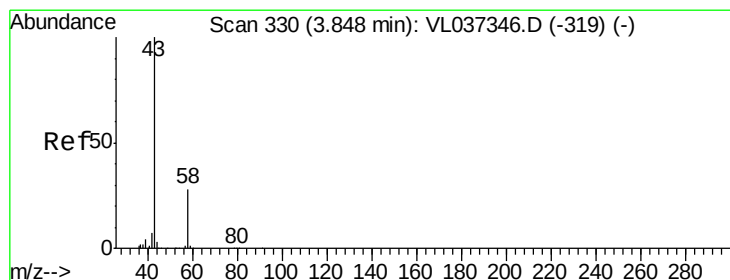
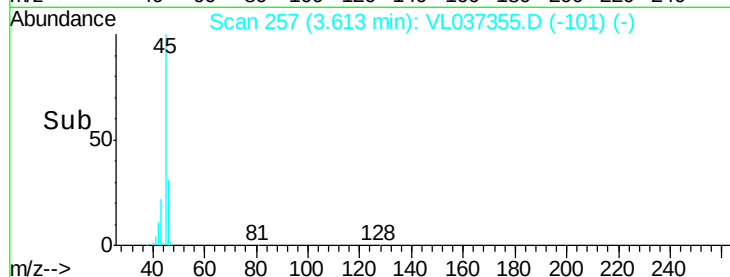
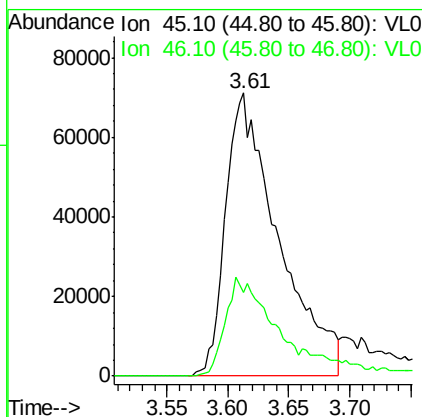
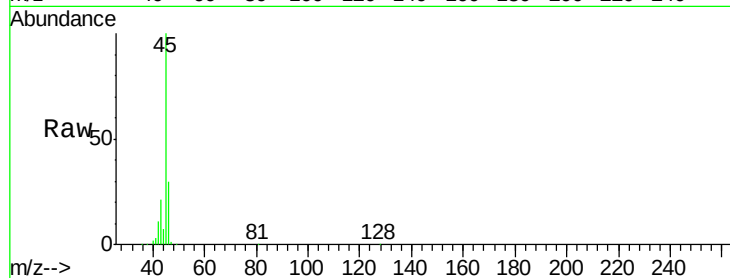
#13
Ethanol
Concen: 19.934 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037355.D
Acq: 6 Aug 2021 22:38

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Tot Ion	45	46	Ratio	Lower	Upper
214030	100	38.4		15.7	62.9

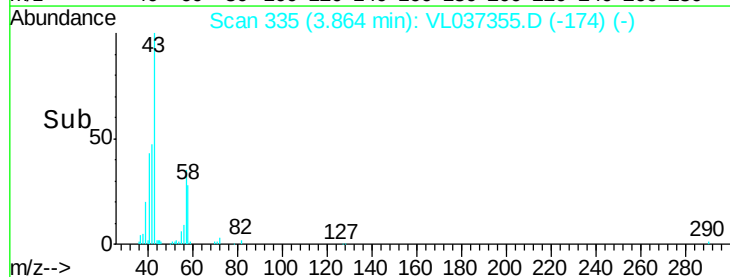
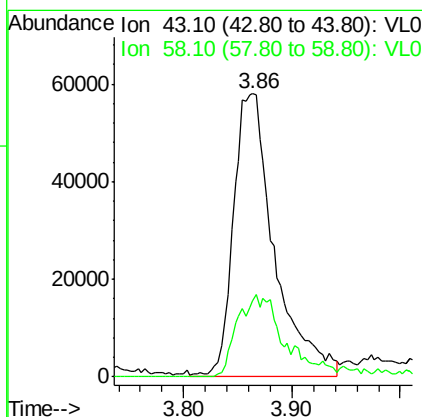
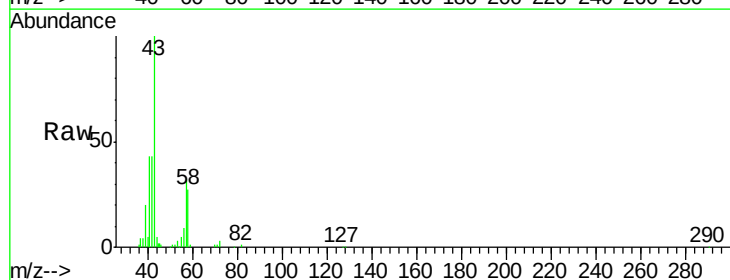
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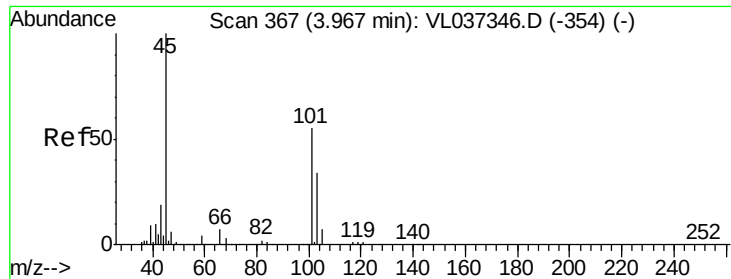
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#15
Acetone
Concen: 1.684 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL037355.D
Acq: 6 Aug 2021 22:38

Tgt Ion	43	58	Ratio	Lower	Upper
152656	100	0.0		24.6	36.8#





#19

Isopropyl Alcohol

Concen: 0.557 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 45 Resp: 30553

Ion Ratio Lower Upper

45 100

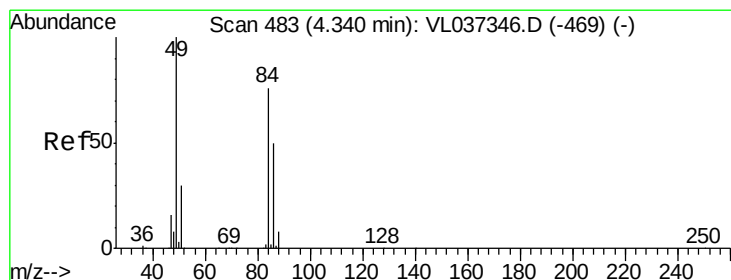
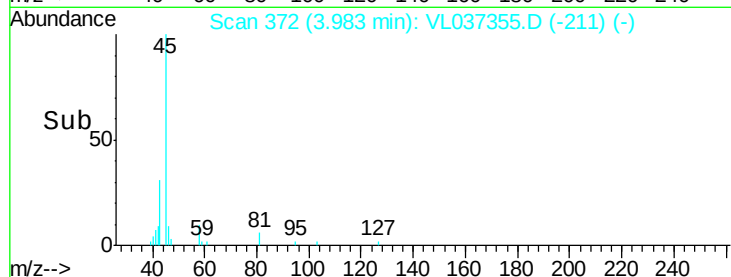
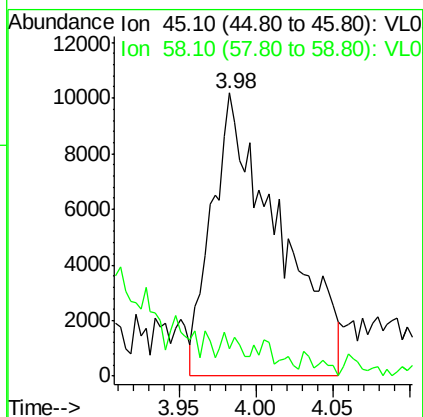
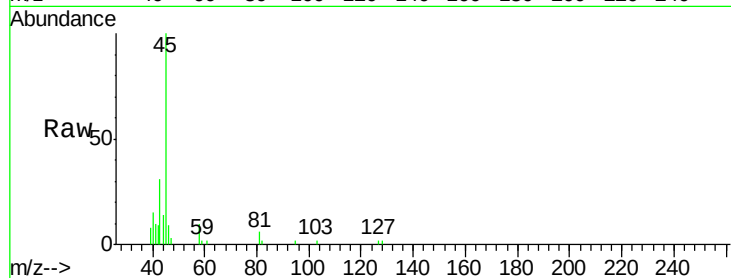
58 0.0 1.8 2.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 3.262 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Tgt Ion: 84 Resp: 247598

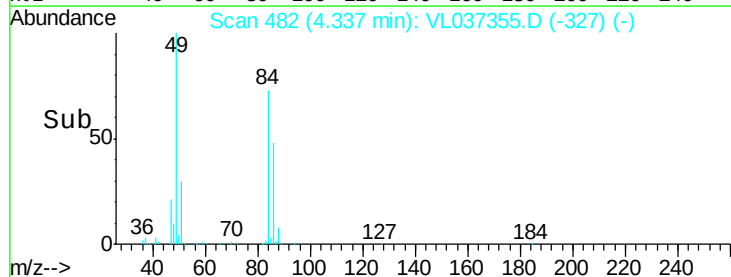
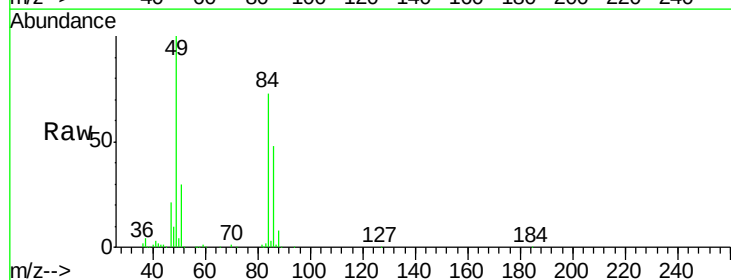
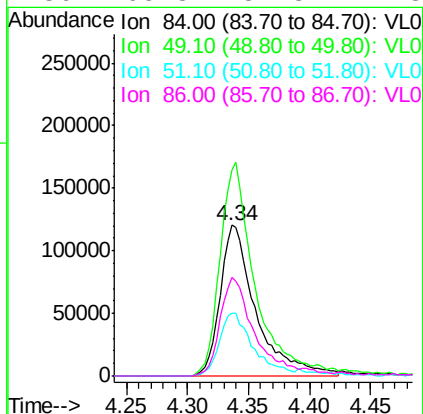
Ion Ratio Lower Upper

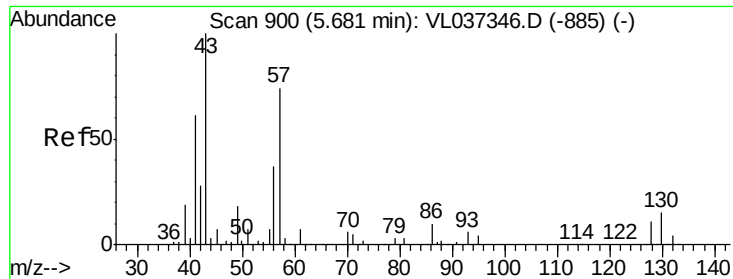
84 100

49 136.3 107.3 160.9

51 41.5 33.0 49.4

86 65.8 51.8 77.8





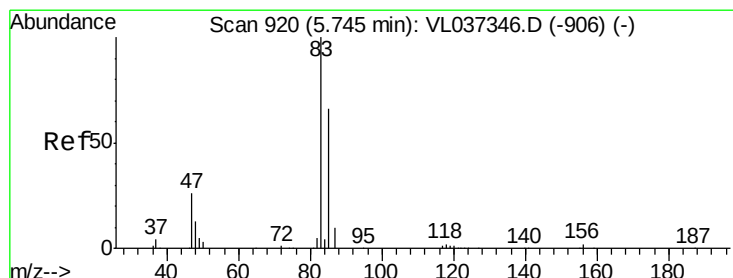
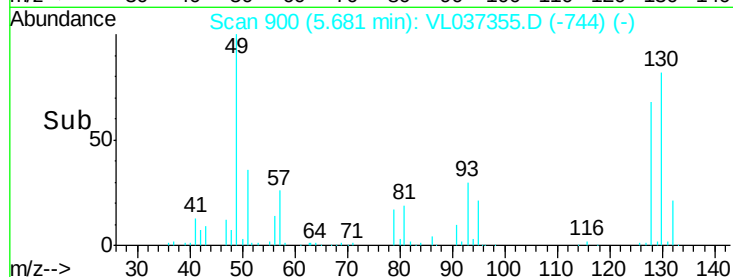
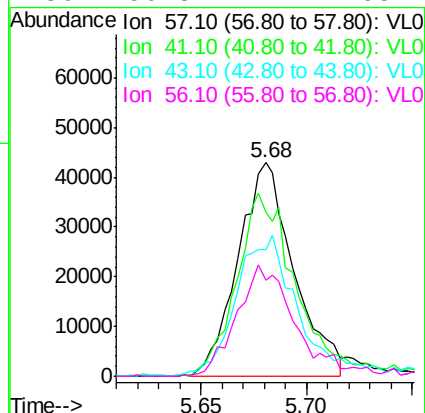
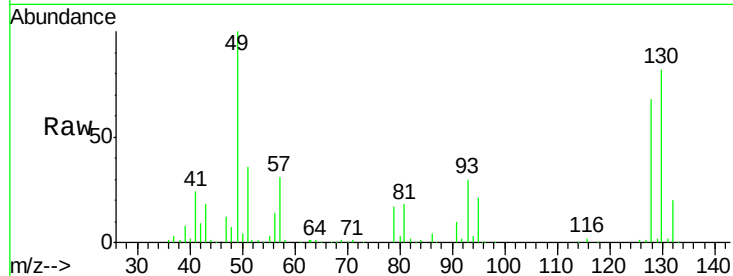
#26
Hexane
Concen: 0.624 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037355.D
Acq: 6 Aug 2021 22:38

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	95.1	69.2	103.8
43	77.5	162.1	243.1#
56	56.8	42.2	63.4

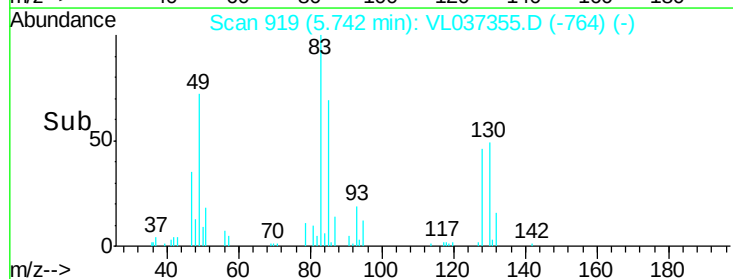
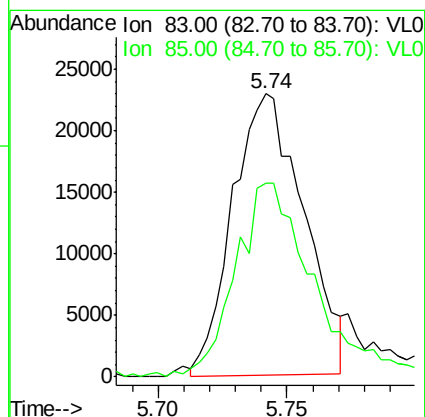
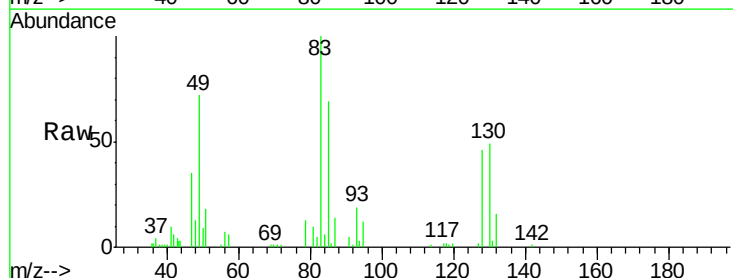
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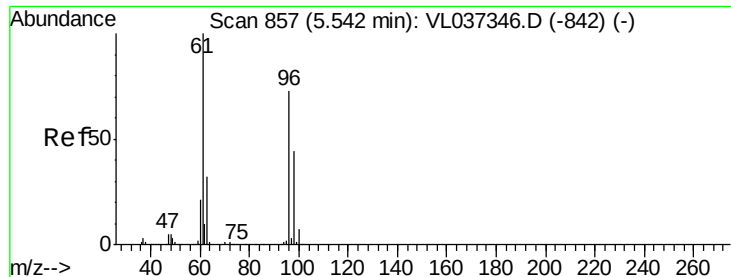
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#29
Chloroform
Concen: 0.259 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL037355.D
Acq: 6 Aug 2021 22:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	53.1	79.7





#31

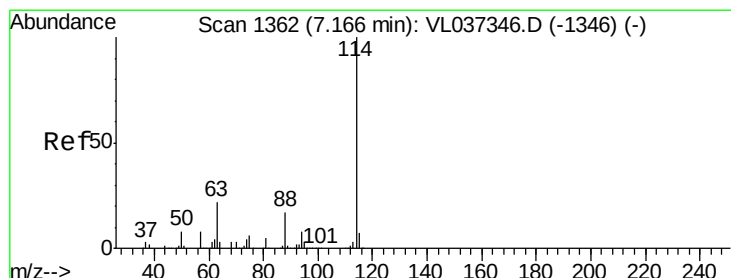
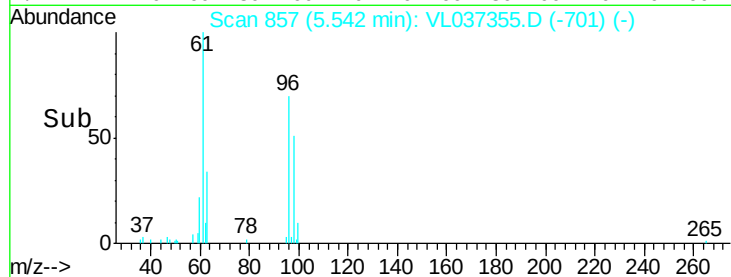
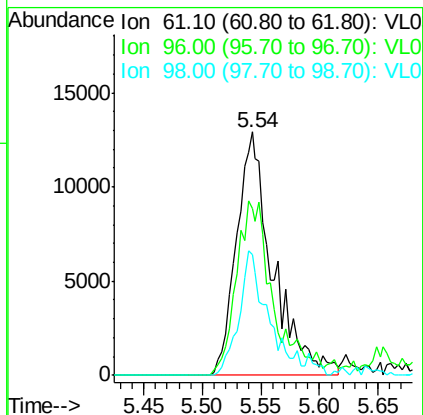
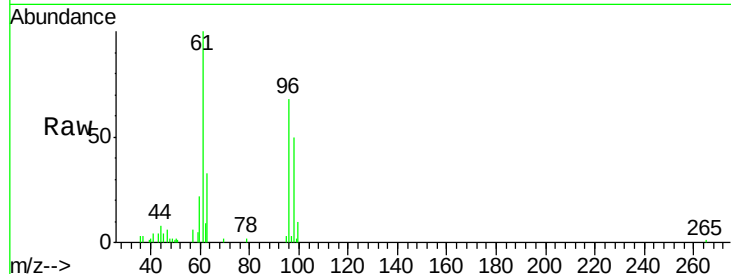
cis-1,2-Dichloroethene
 Concen: 0.279 ppbv m
 RT: 5.54 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL037355.D
 Acq: 6 Aug 2021 22:38

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-2DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.4	58.5	87.7
98	49.7	35.1	52.7

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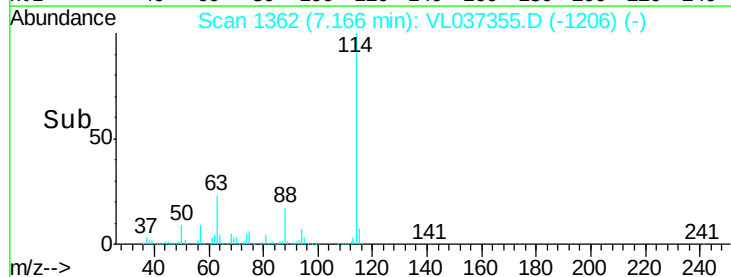
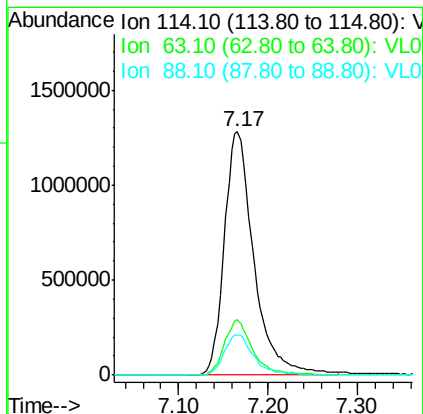
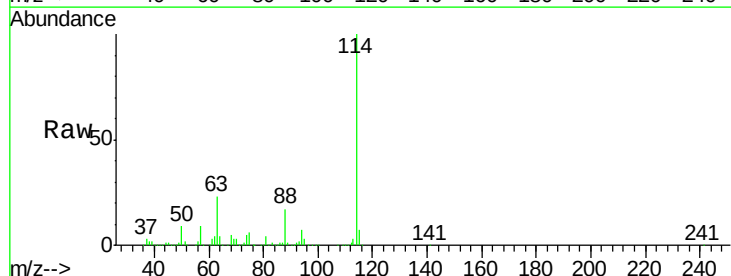
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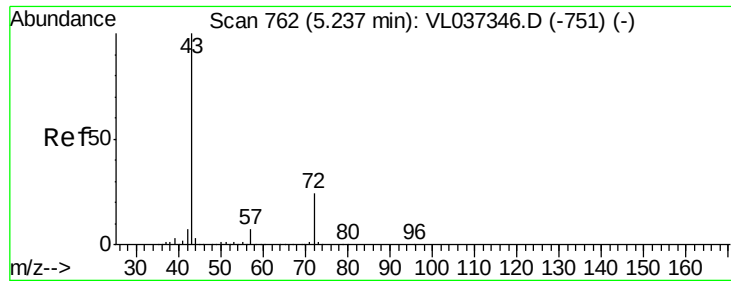


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL037355.D
 Acq: 6 Aug 2021 22:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	17.8	26.6
88	16.8	13.5	20.3





#34

2-Butanone

Concen: 0.203 ppbv m

RT: 5.25 min Scan# 767

Delta R.T. 0.02 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 43 Resp: 20117

Ion Ratio Lower Upper

43 100

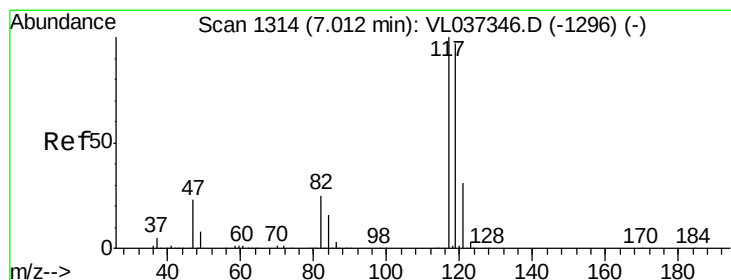
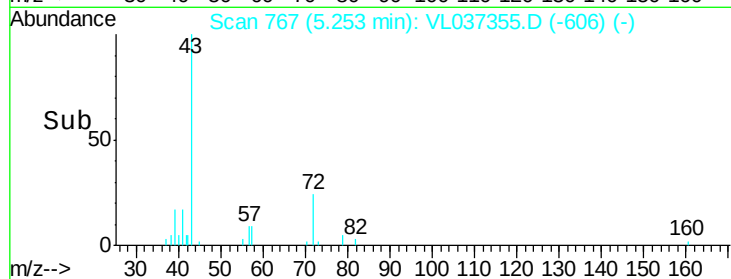
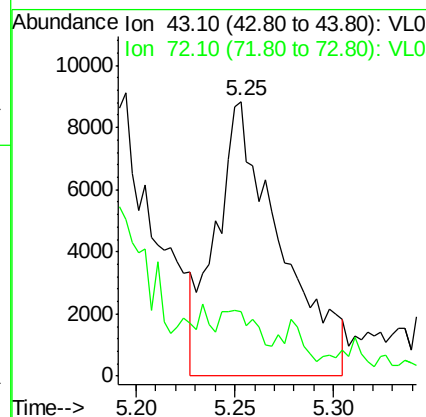
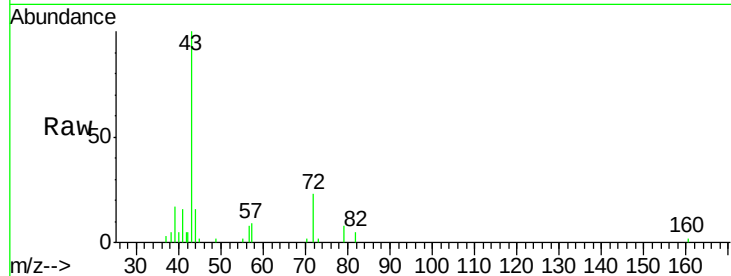
72 44.2 19.8 29.6#

Manual Integrations

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#35

Carbon Tetrachloride

Concen: 0.112 ppbv m

RT: 7.01 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

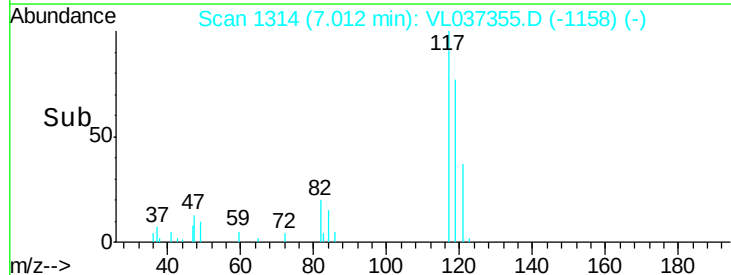
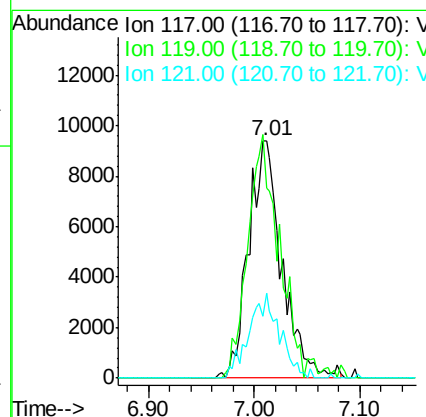
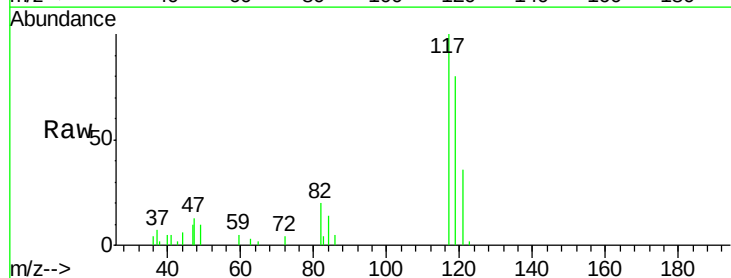
Tgt Ion: 117 Resp: 20586

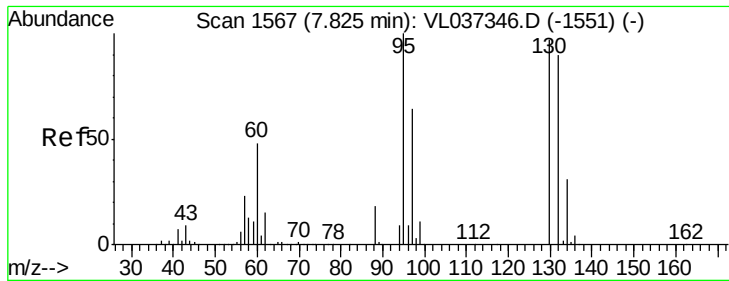
Ion Ratio Lower Upper

117 100

119 79.8 77.8 116.8

121 35.9 24.6 36.8





#38

Trichloroethene

Concen: 0.073 ppbv m

RT: 7.83 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL037355.D

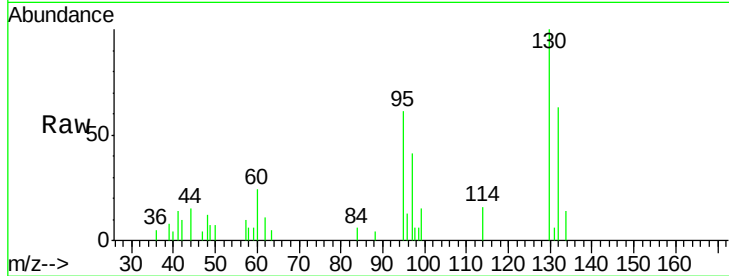
Acq: 6 Aug 2021 22:38

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL



Tot Ion:130 Resp: 8017

Ion Ratio Lower Upper

130 100

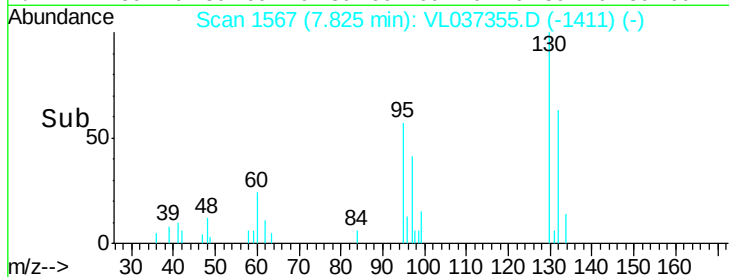
95 60.7 82.8 124.2#

132 63.1 74.9 112.3#

97 41.3 52.8 79.2#

Manual Integrations
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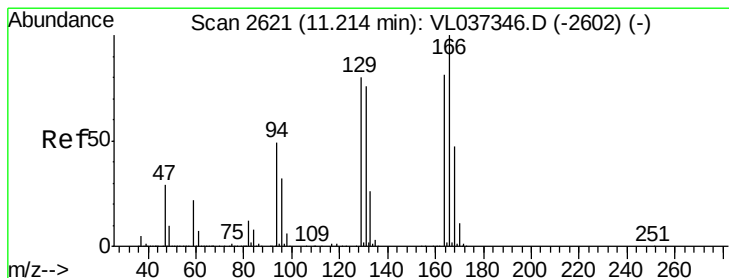
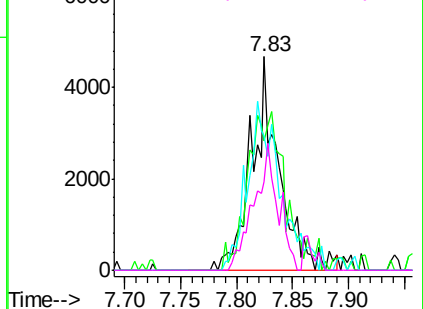


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#52

Tetrachloroethene

Concen: 1.476 ppbv m

RT: 11.21 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Tgt Ion:164 Resp: 158882

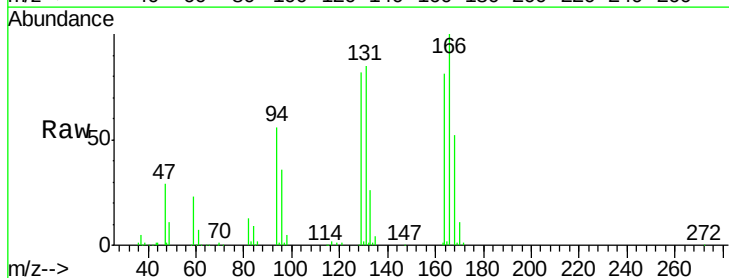
Ion Ratio Lower Upper

164 100

166 124.0 99.4 149.0

129 102.1 79.2 118.8

131 105.2 75.4 113.0

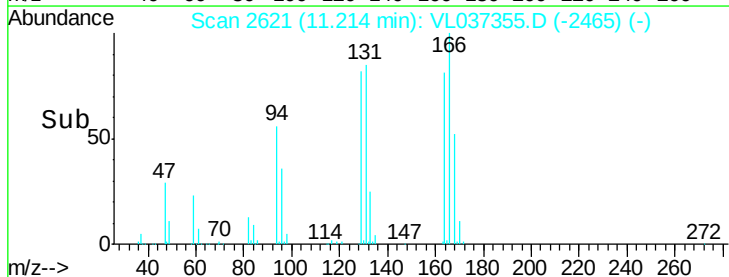
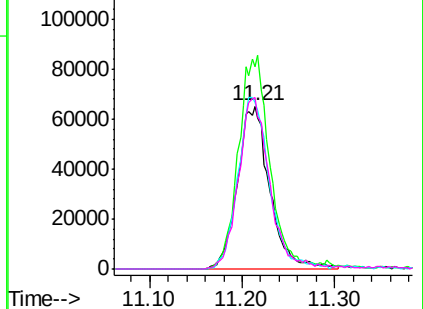


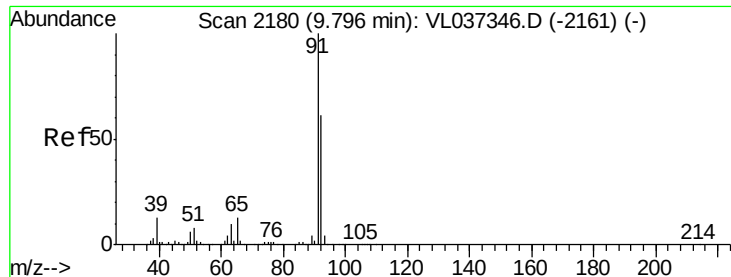
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.150 ppbv m

RT: 9.79 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Tot Ion: 91 Resp: 39336

Ion Ratio Lower Upper

91 100

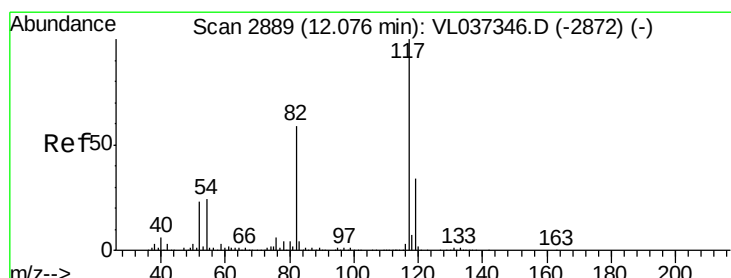
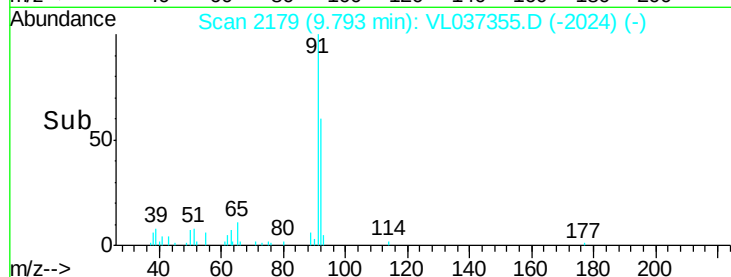
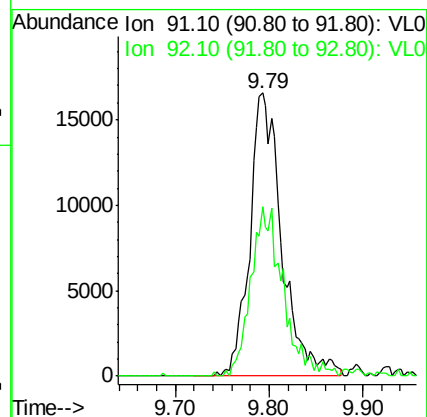
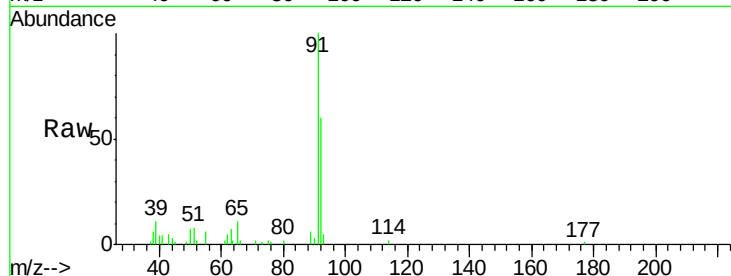
92 60.0 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

8/10/2021 6:09:54 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

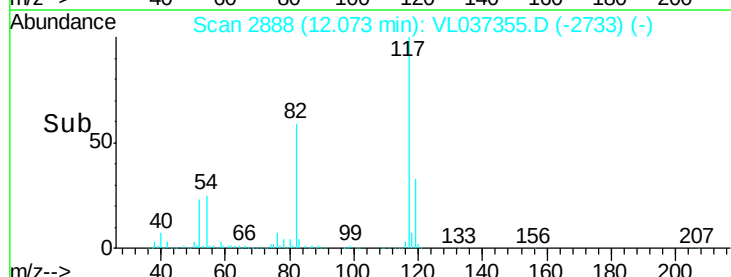
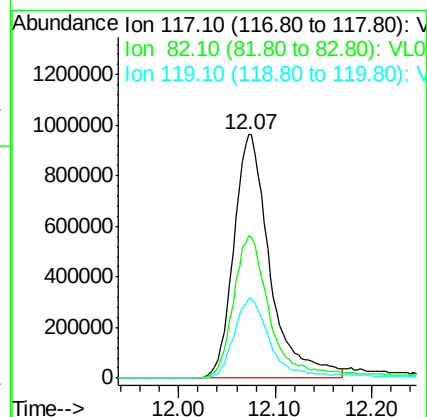
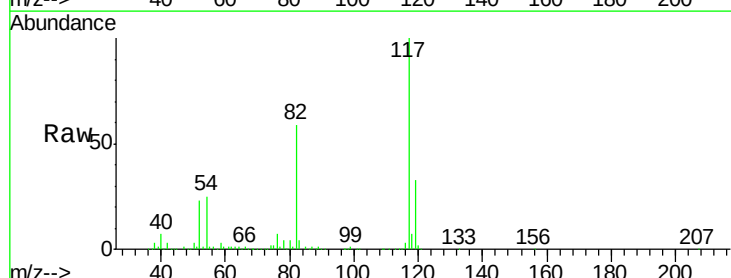
Tgt Ion: 117 Resp: 2508017

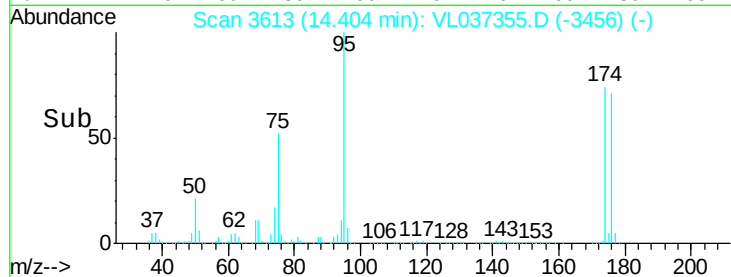
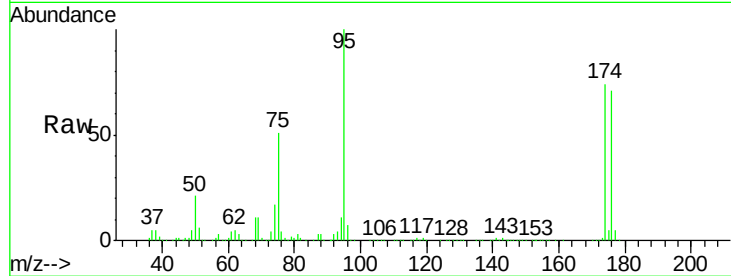
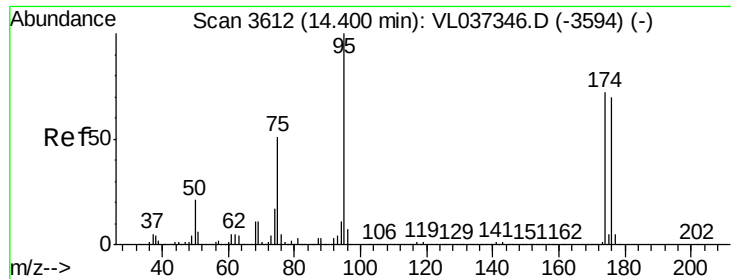
Ion Ratio Lower Upper

117 100

82 63.5 46.0 69.0

119 34.7 24.4 36.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.149 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037355.D

Acq: 6 Aug 2021 22:38

Tot Ion: 95 Resp: 1616465

Ion Ratio Lower Upper

95 100

174 85.1 60.8 91.2

175 5.6 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-2DL

Manual Integrations

APPROVED

MMDadoda

8/10/2021 6:09:54 PM

