

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037352.D
 Acq On : 6 Aug 2021 20:41
 Operator : SY/AP
 Sample : M3157-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 DDC-2-INFLUENT-1DUP

Manual Integrations
 APPROVED

SAM
 8/10/2021 7:14:11 PM

Quant Time: Aug 09 20:55:43 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	906929	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2991634	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2432191	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1690005	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	31698m	0.154	ppbv	
3) Chlorodifluoromethane	2.99	51	184004	1.017	ppbv #	90
4) Chloromethane	3.14	50	33584	0.543	ppbv #	82
5) Vinyl Chloride	3.26	62	11871	0.159	ppbv #	81
7) Chloroethane	3.55	64	3178m	0.127	ppbv	
9) Propene	3.01	41	56591	0.932	ppbv	84
10) Heptane	8.11	43	24351m	0.173	ppbv	
11) Trichlorofluoromethane	3.94	101	42153	0.239	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	15264m	0.117	ppbv	
13) Ethanol	3.60	45	2365131	211.264	ppbv	97
15) Acetone	3.84	43	658115	6.963	ppbv #	68
17) tert-Butyl alcohol	4.30	59	37435m	0.372	ppbv	
18) 1,1-Dichloroethene	4.29	96	8834	0.155	ppbv #	81
19) Isopropyl Alcohol	3.97	45	262984	4.597	ppbv #	1
20) Methylene Chloride	4.34	84	993465	12.552	ppbv	97
24) 1,1-Dichloroethane	5.01	63	13424m	0.119	ppbv	
26) Hexane	5.68	57	705870	5.344	ppbv #	50
29) Chloroform	5.74	83	674412	3.806	ppbv	99
30) Cyclohexane	7.13	84	80505m	0.781	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	406526	3.899	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	60544	0.322	ppbv	93
34) 2-Butanone	5.24	43	153652	1.530	ppbv	92
35) Carbon Tetrachloride	7.01	117	325099	1.737	ppbv	100
36) Benzene	6.88	78	201417	0.878	ppbv	97
38) Trichloroethene	7.83	130	105959	0.943	ppbv #	89
41) Tetrahydrofuran	6.05	42	27914	0.565	ppbv	98
44) 2,2,4-Trimethylpentane	7.86	57	109200	0.285	ppbv #	90
50) 4-Methyl-2-Pentanone	8.76	43	22936m	0.167	ppbv	
52) Tetrachloroethene	11.21	164	2911558	26.626	ppbv	97
53) Toluene	9.80	91	736314	2.755	ppbv	99
58) Ethyl Benzene	12.70	91	73602m	0.231	ppbv	
59) m/p-Xylene	12.96	91	202129	0.731	ppbv	95
60) o-Xylene	13.69	91	80186m	0.313	ppbv	
61) Styrene	13.51	104	27501m	0.208	ppbv	
65) tert-Butylbenzene	16.73	119	19190m	0.055	ppbv	
69) p-Isopropyltoluene	17.64	119	23804m	0.060	ppbv	
70) n-Butylbenzene	18.54	91	19682m	0.056	ppbv	
72) 4-Ethyltoluene	15.83	105	37782m	0.125	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	30886m	0.108	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	74190	0.247	ppbv #	74
78) Hexachloro-1,3-Butadiene	23.36	225	5776m	0.040	ppbv	

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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)
79) Naphthalene	22.19	128	21169m	0.100	ppbv	
80) Naphthalene,2-methyl-	24.98	142	7337	0.190	ppbv #	71
81) 1,2,4-Trichlorobenzene	21.92	180	6335m	0.046	ppbv	

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

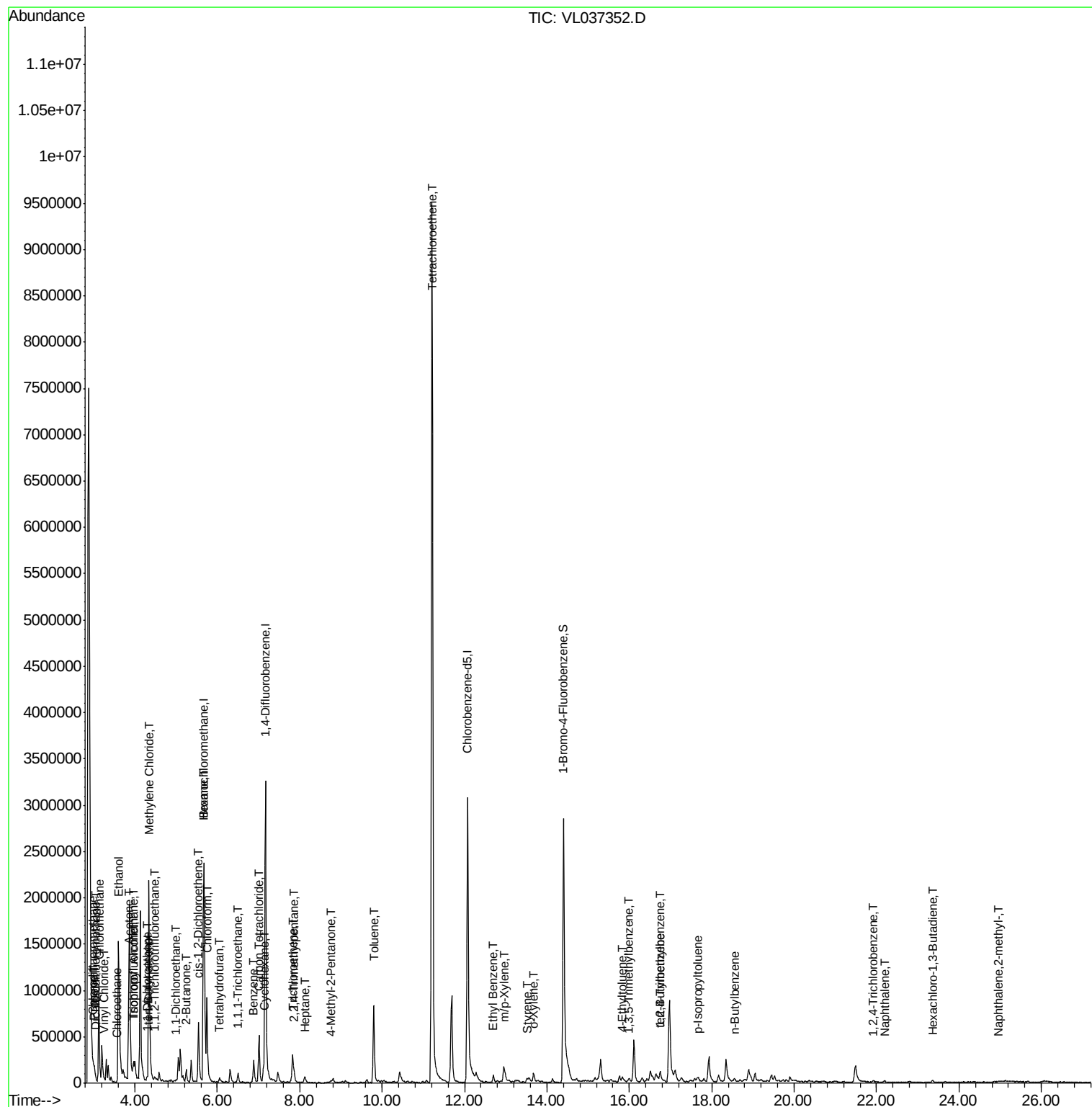
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
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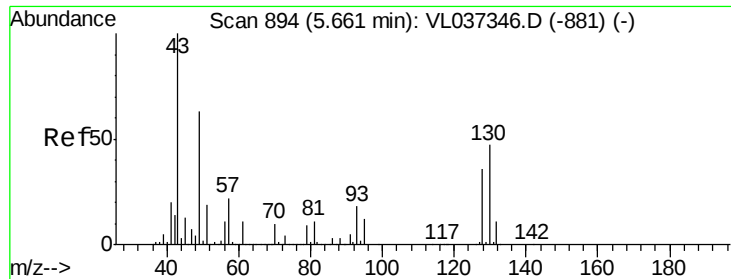
Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

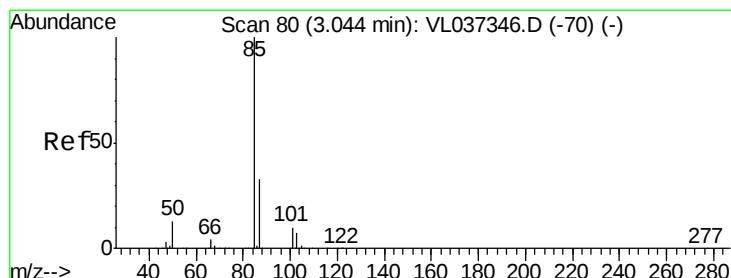
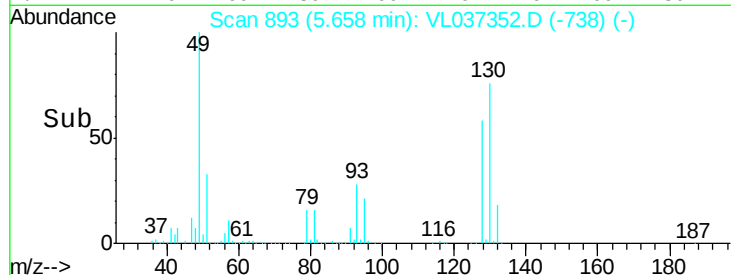
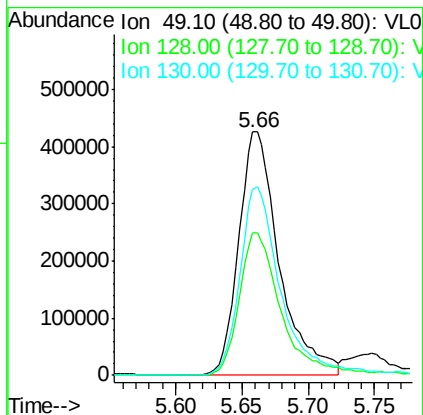
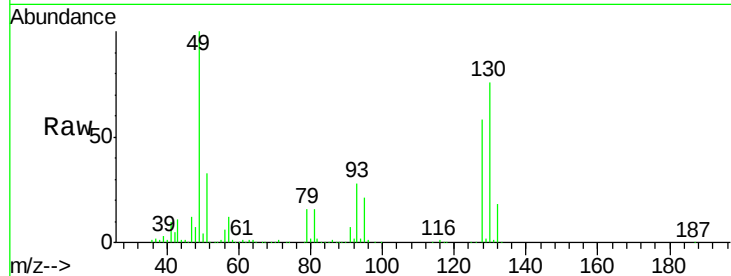
DDC-2-INFLUENT-1DUP

Tot Ion:	49	Resp:	906929
Ion	Ratio	Lower	Upper
49	100		
128	62.1	32.1	96.3
130	80.3	40.0	120.0

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#2

Dichlorodifluoromethane

Concen: 0.154 ppbv m

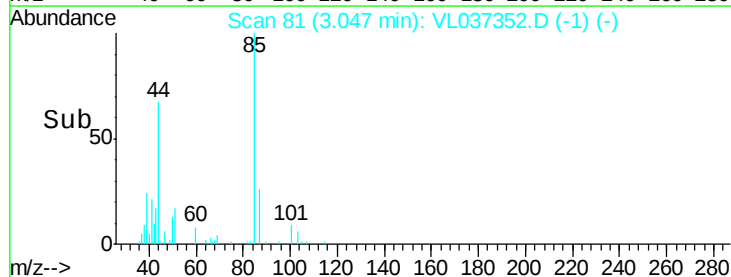
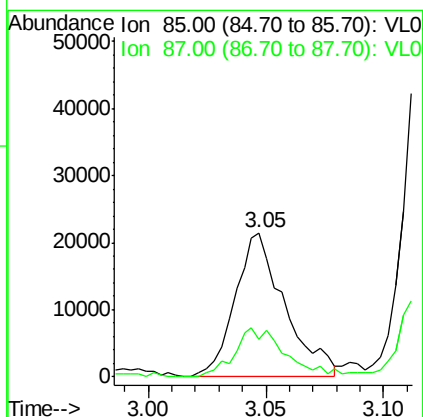
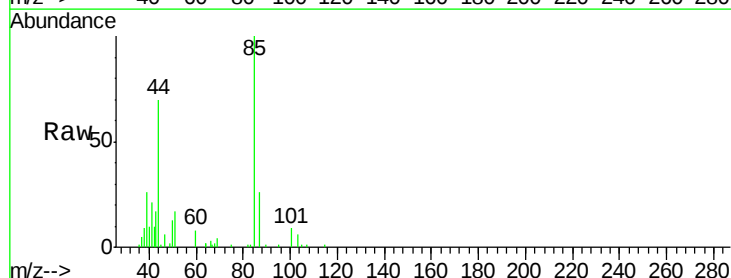
RT: 3.05 min Scan# 81

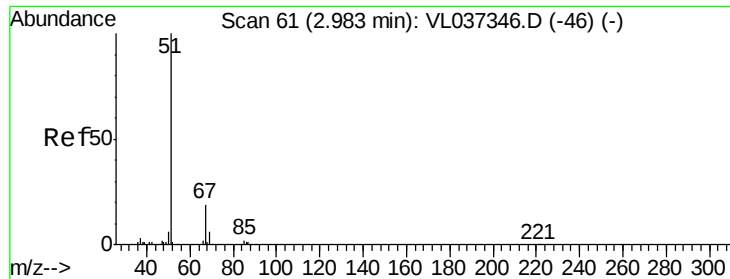
Delta R.T. 0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Tgt Ion:	85	Resp:	31698
Ion	Ratio	Lower	Upper
85	100		
87	25.7	26.4	39.6#





#3

Chlorodifluoromethane

Concen: 1.017 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DUP

Tot Ion: 51 Resp: 184004

Ion Ratio Lower Upper

51 100

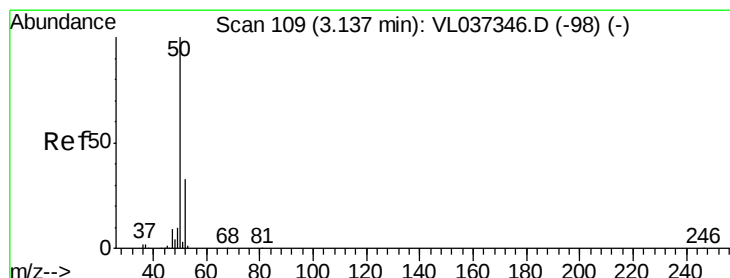
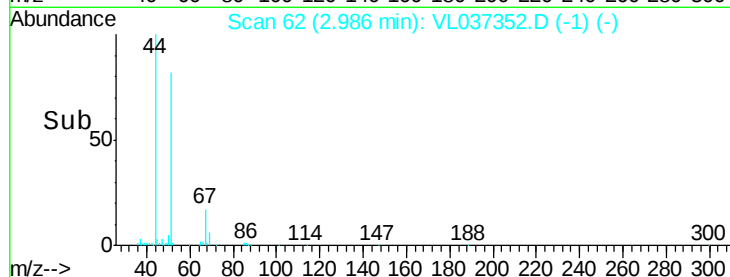
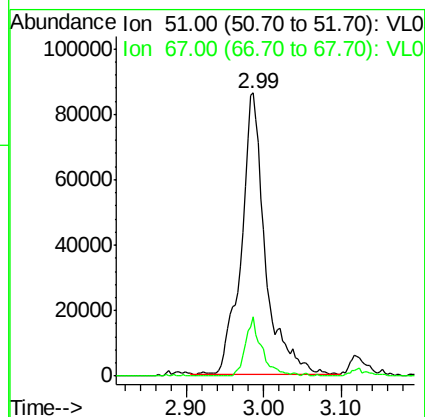
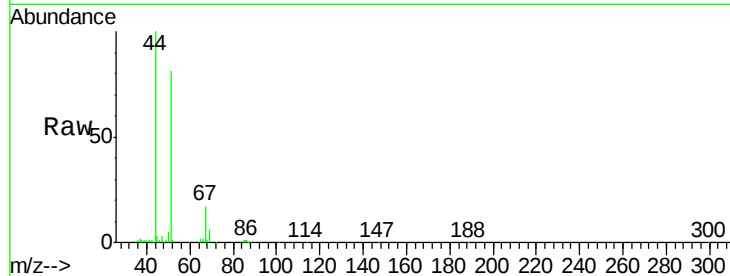
67 14.9 15.6 23.4#

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#4

Chloromethane

Concen: 0.543 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037352.D

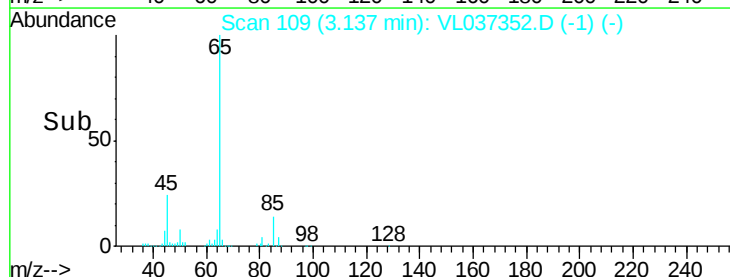
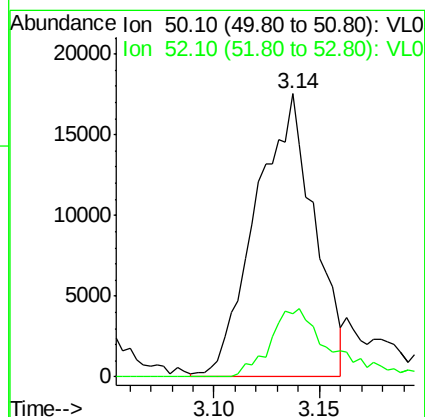
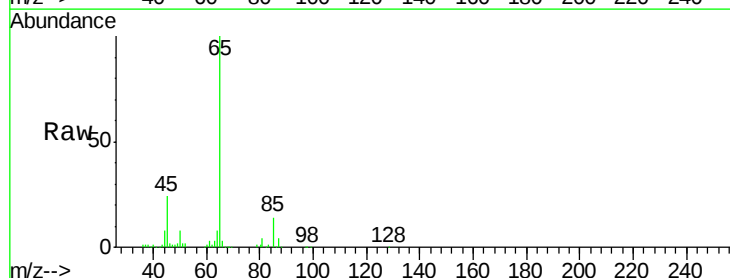
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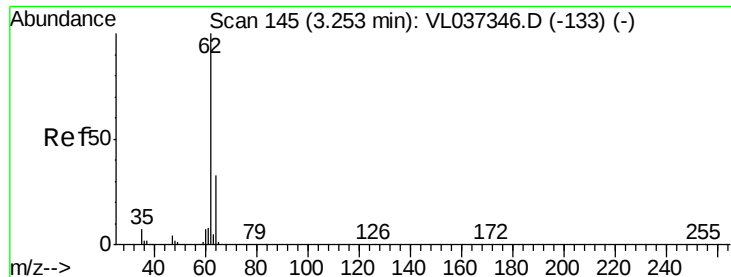
Tgt Ion: 50 Resp: 33584

Ion Ratio Lower Upper

50 100

52 22.7 26.3 39.5#





#5

Vinyl Chloride

Concen: 0.159 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DUP

Tot Ion: 62 Resp: 11871

Ion Ratio Lower Upper

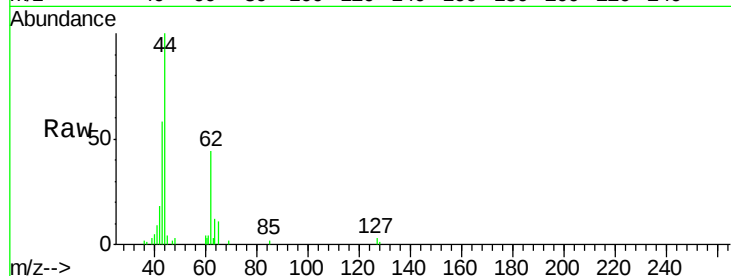
62 100

64 22.4 26.4 39.6#

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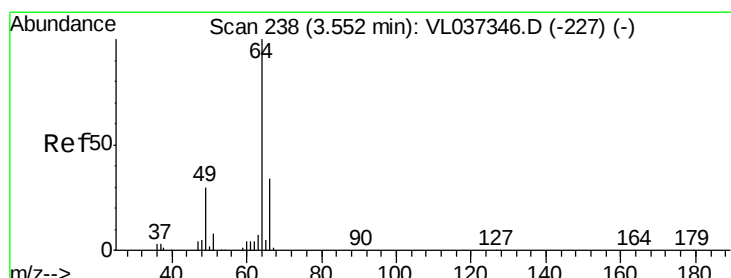
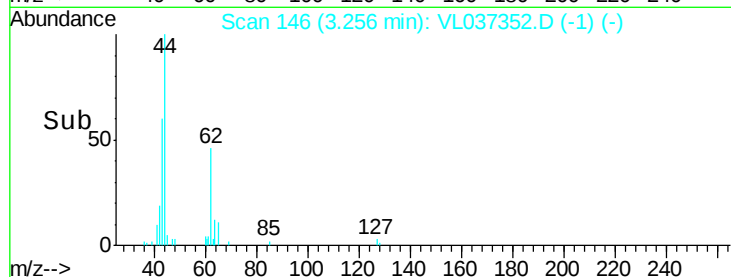
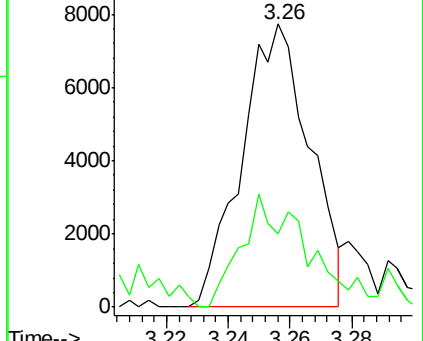
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.127 ppbv m

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037352.D

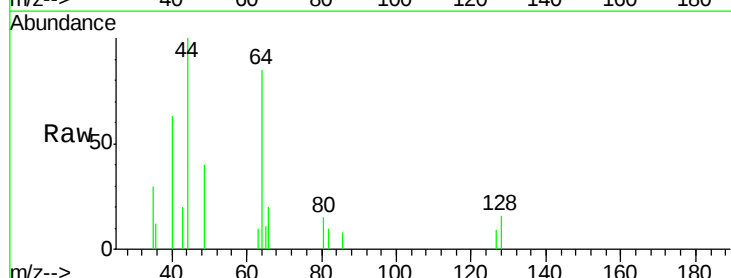
Acq: 6 Aug 2021 20:41

Tgt Ion: 64 Resp: 3178

Ion Ratio Lower Upper

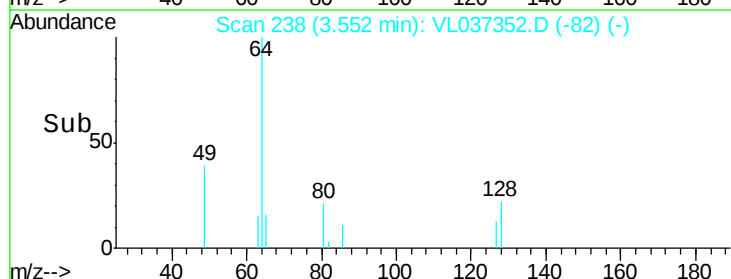
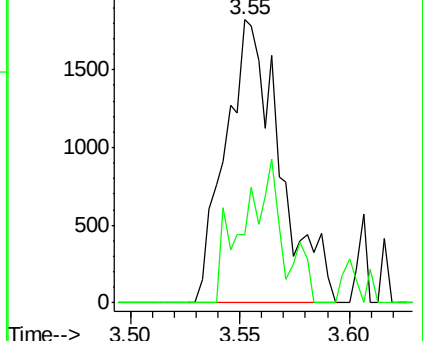
64 100

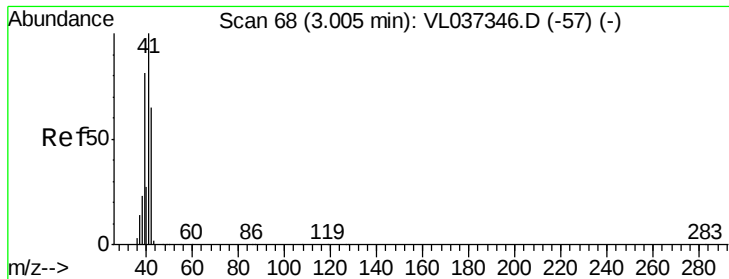
66 24.0 26.8 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 0.932 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DUP

Tot Ion: 41 Resp: 56591

Ion Ratio Lower Upper

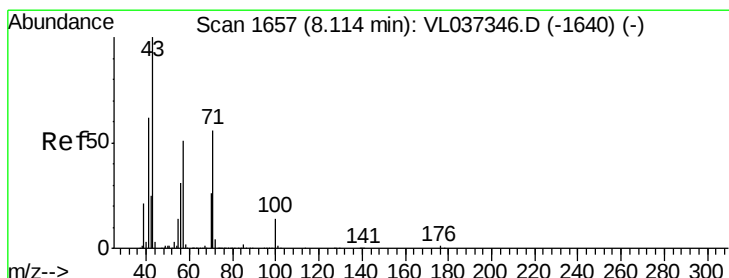
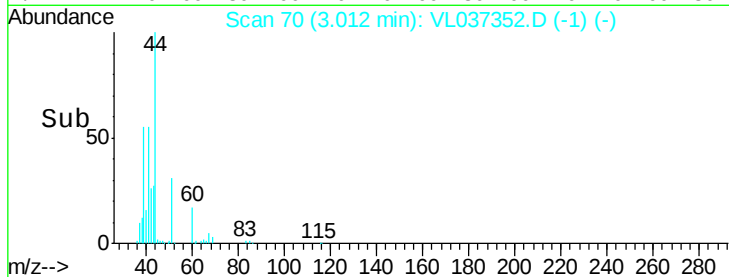
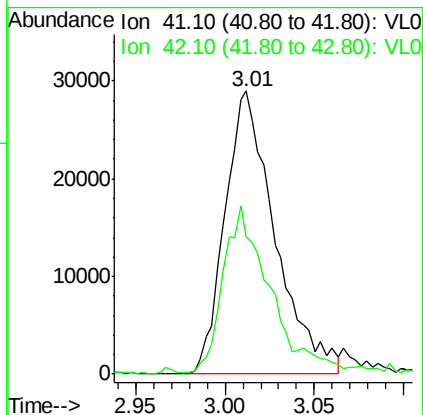
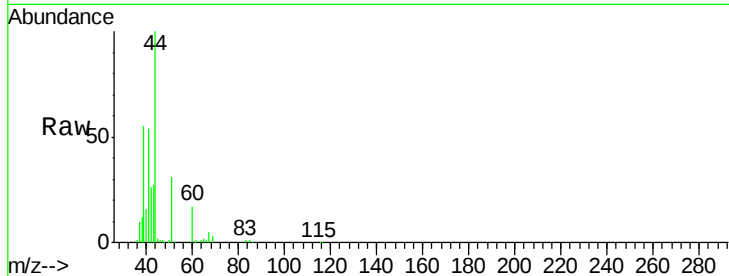
41 100

42 55.1 54.3 81.5

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#10

Heptane

Concen: 0.173 ppbv m

RT: 8.11 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL037352.D

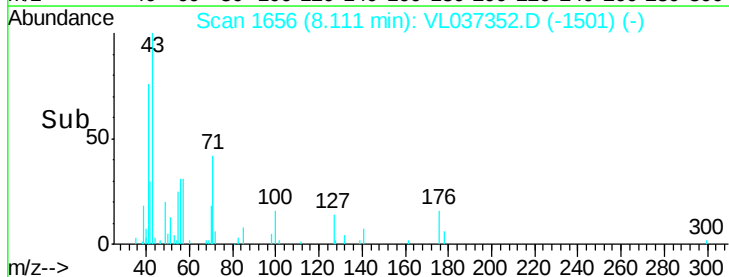
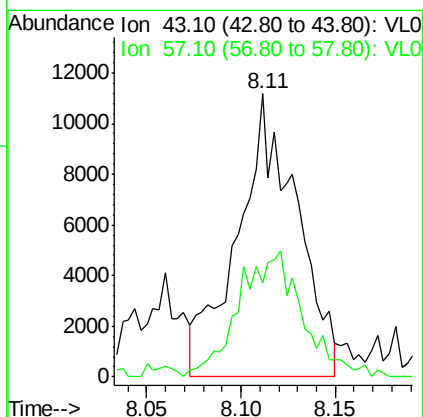
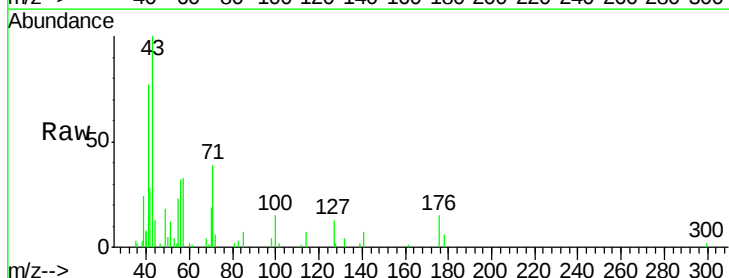
Acq: 6 Aug 2021 20:41

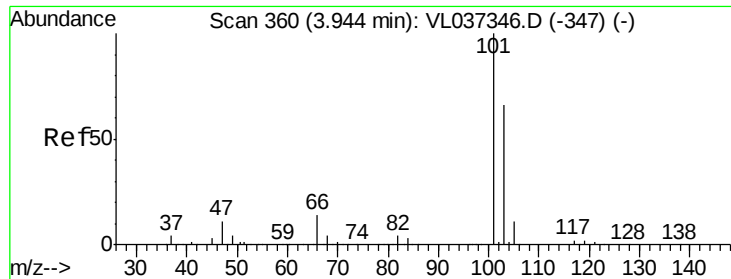
Tgt Ion: 43 Resp: 24351

Ion Ratio Lower Upper

43 100

57 0.0 41.6 62.4#





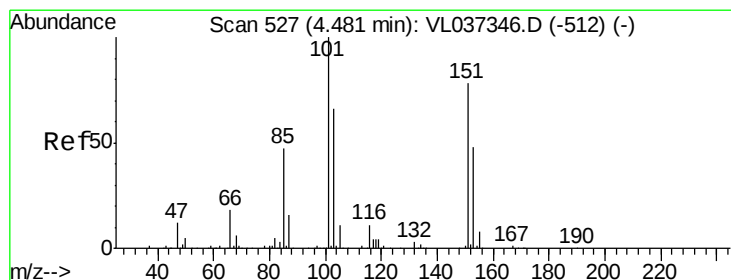
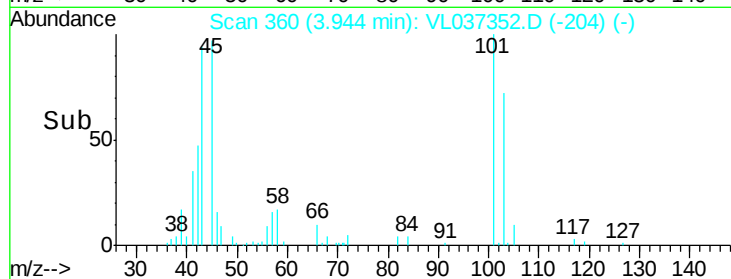
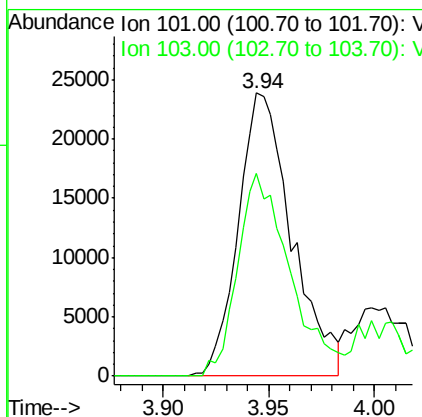
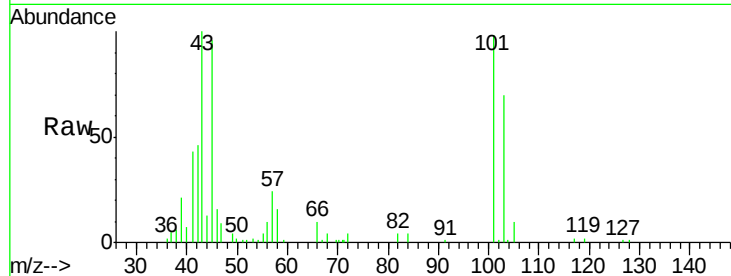
#11
 Trichlorofluoromethane
 Concen: 0.239 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Instrument :
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Tot Ion:101 Resp: 42153
 Ion Ratio Lower Upper
 101 100
 103 71.6 52.5 78.7

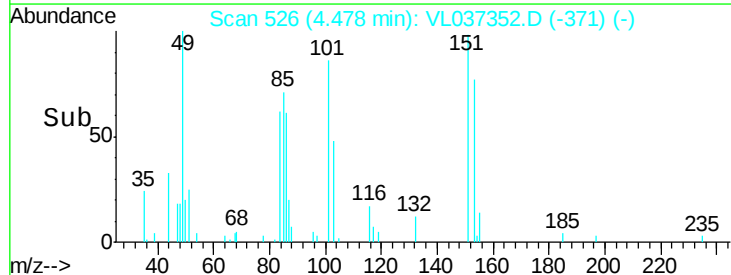
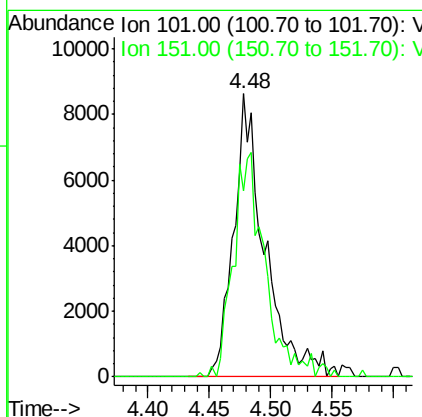
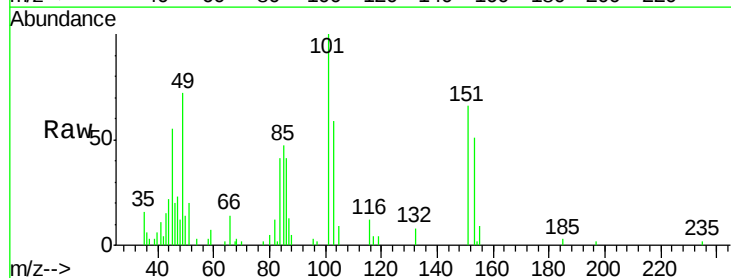
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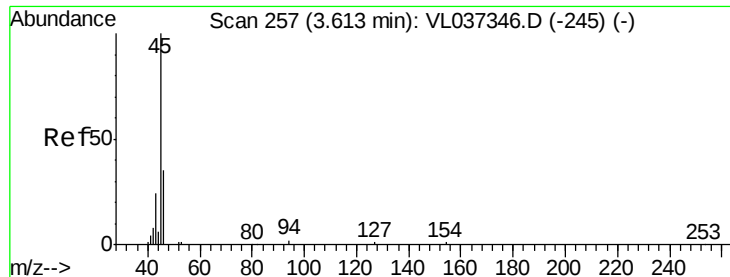
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.117 ppbv m
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Tgt Ion:101 Resp: 15264
 Ion Ratio Lower Upper
 101 100
 151 81.1 62.4 93.6





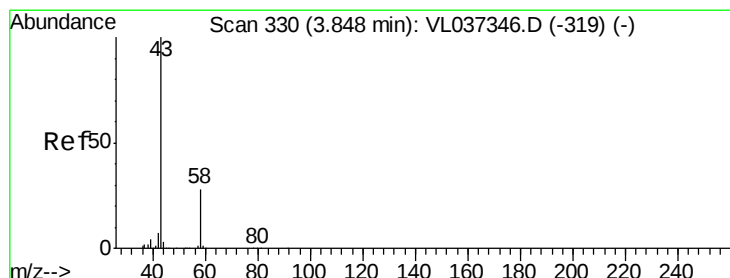
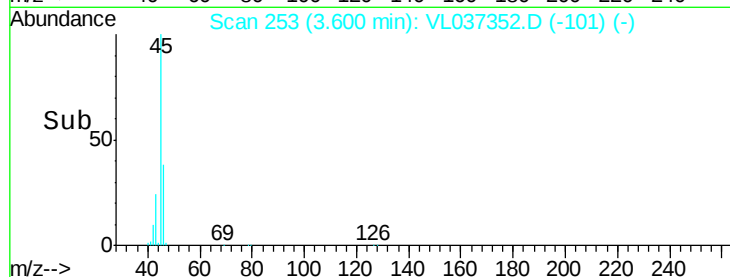
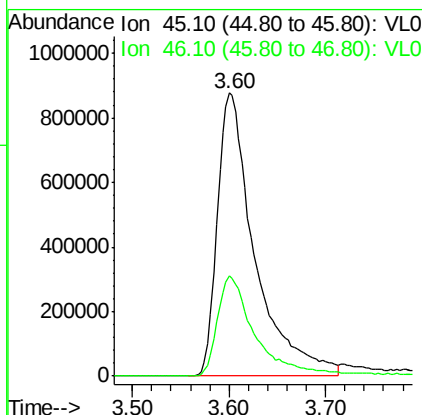
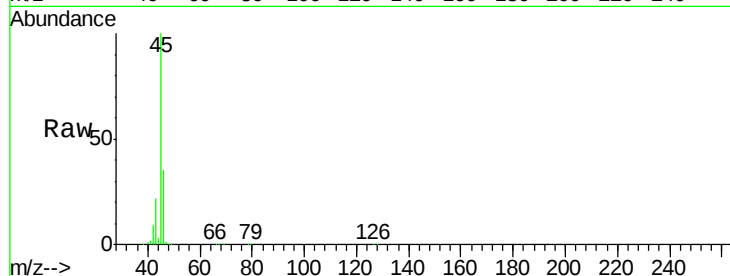
#13
Ethanol
Concen: 211.264 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion: 45 Resp: 2365131
Ion Ratio Lower Upper
45 100
46 37.4 15.7 62.9

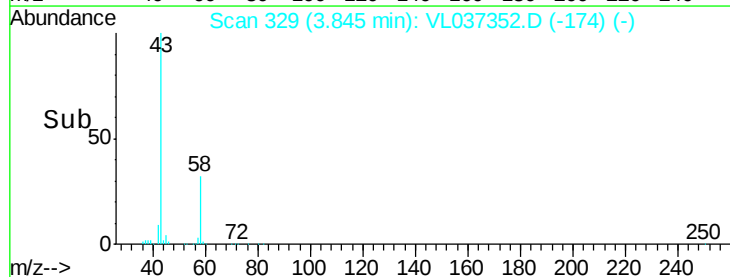
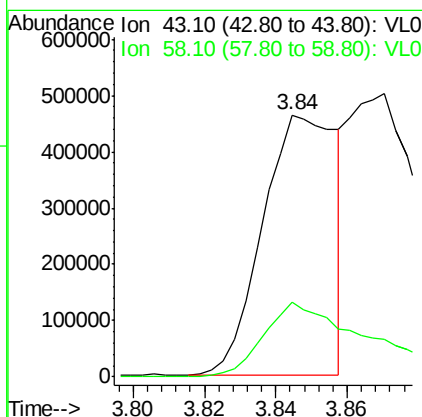
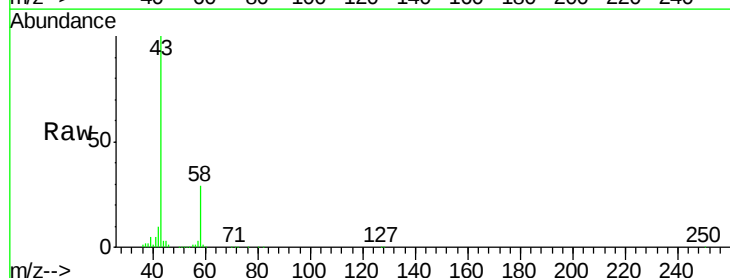
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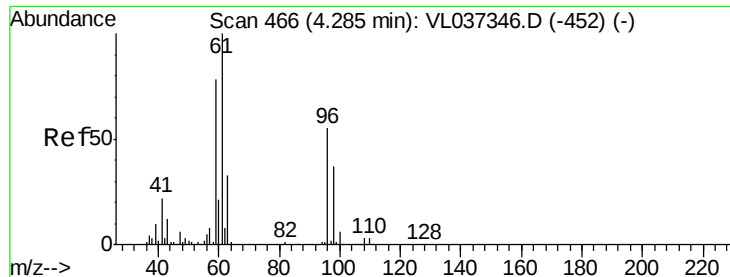
SAM
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#15
Acetone
Concen: 6.963 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion: 43 Resp: 658115
Ion Ratio Lower Upper
43 100
58 48.1 24.6 36.8#





#17

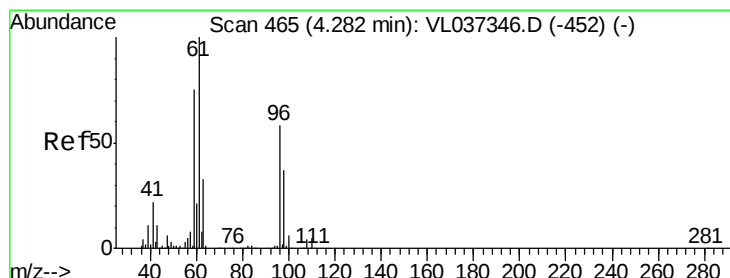
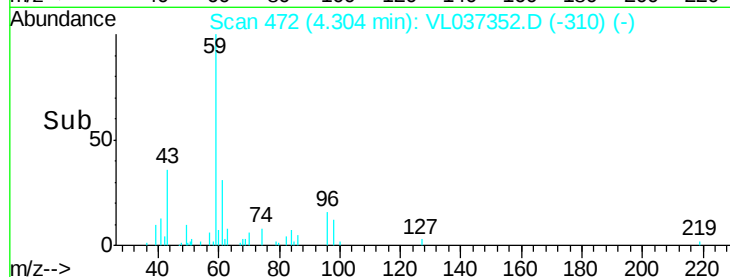
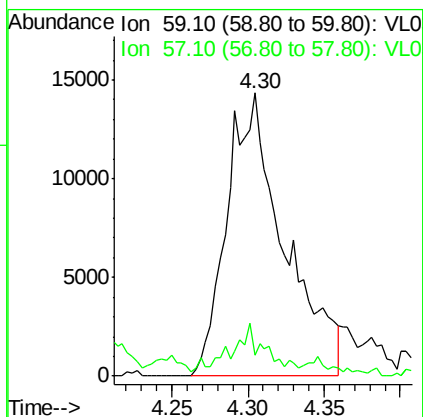
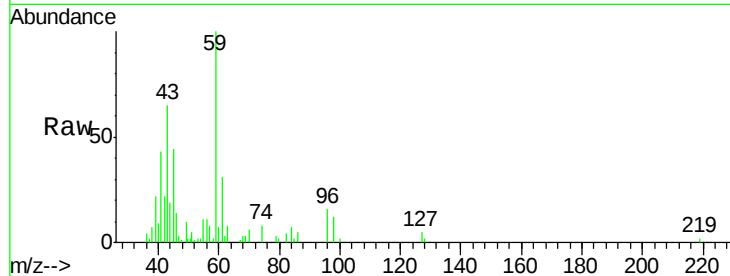
tert-Butyl alcohol
Concen: 0.372 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion: 59 Resp: 37435
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

Manual Integrations
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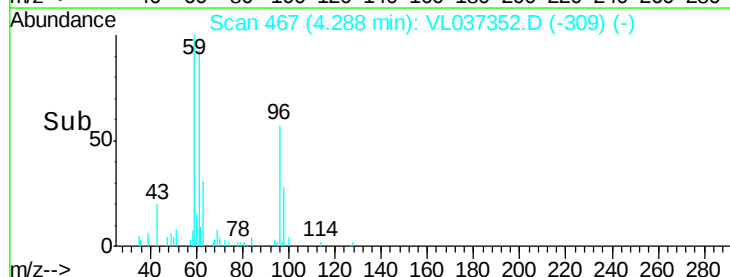
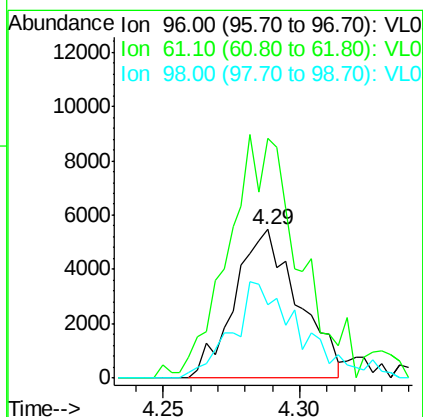
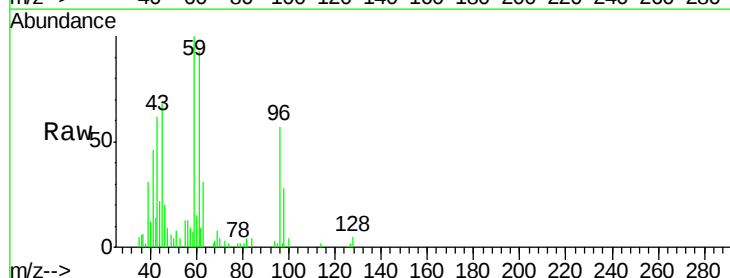
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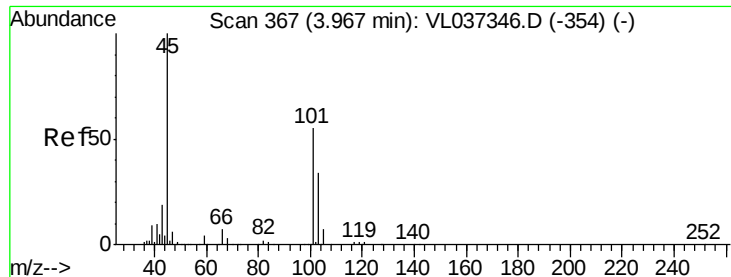


#18

1,1-Dichloroethene
Concen: 0.155 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion: 96 Resp: 8834
Ion Ratio Lower Upper
96 100
61 147.2 137.0 205.4
98 46.3 50.4 75.6#





#19

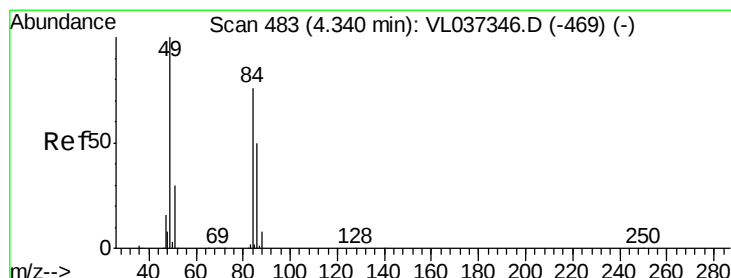
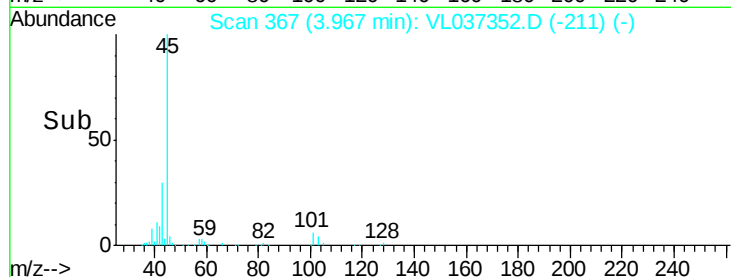
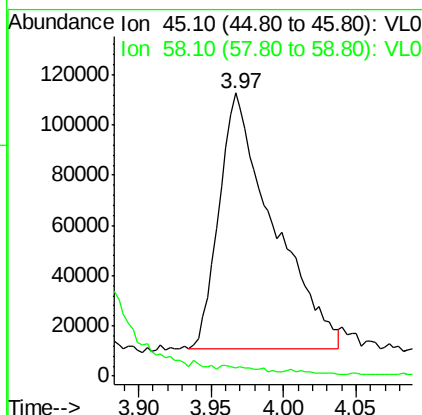
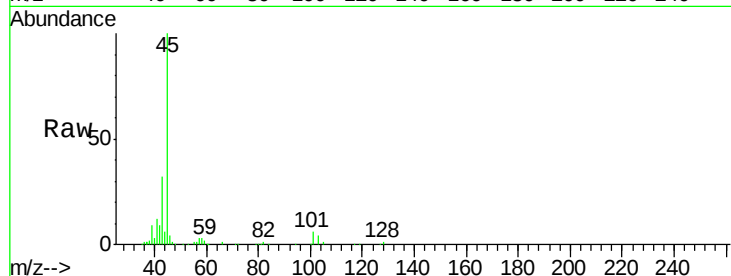
Isopropyl Alcohol
 Concen: 4.597 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DUP

Tot Ion	45.10	Resp	262984
Ion	Ratio	Lower	Upper
45	100		
58	120.3	1.8	2.8#

Manual Integrations
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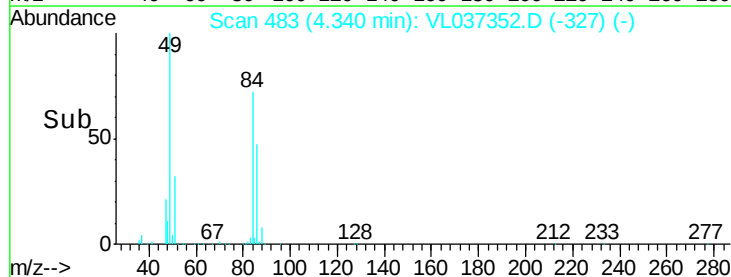
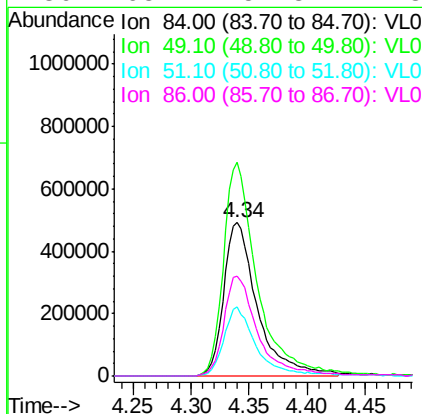
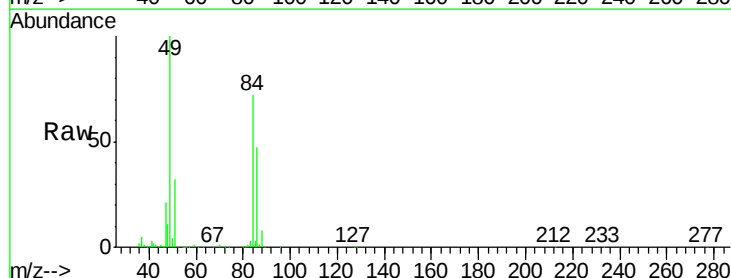
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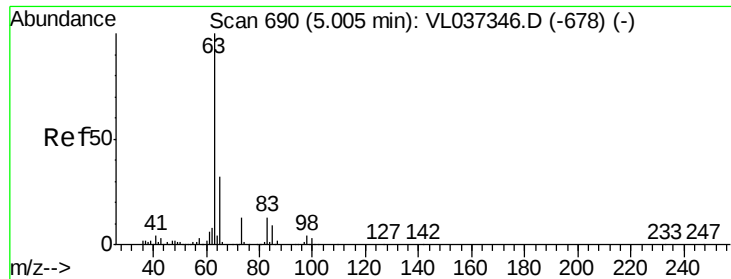


#20

Methylene Chloride
 Concen: 12.552 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Tgt Ion	84	Resp	993465
Ion	Ratio	Lower	Upper
84	100		
49	139.0	107.3	160.9
51	44.6	33.0	49.4
86	65.1	51.8	77.8





#24

1,1-Dichloroethane

Concen: 0.119 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

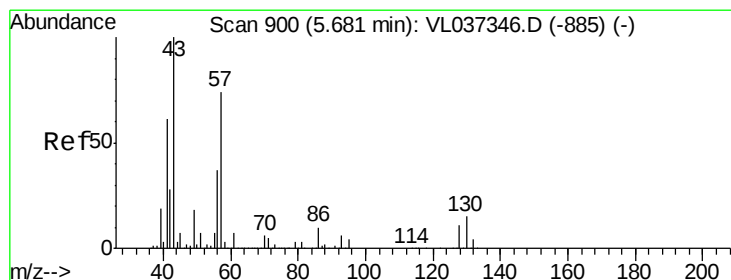
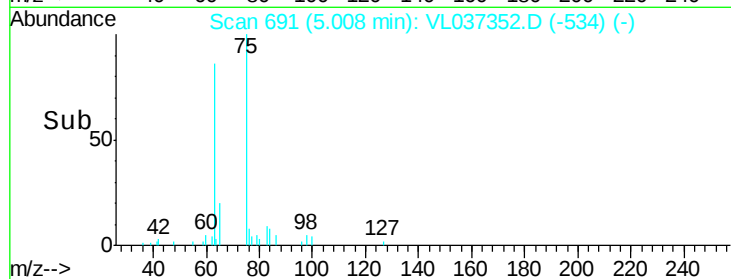
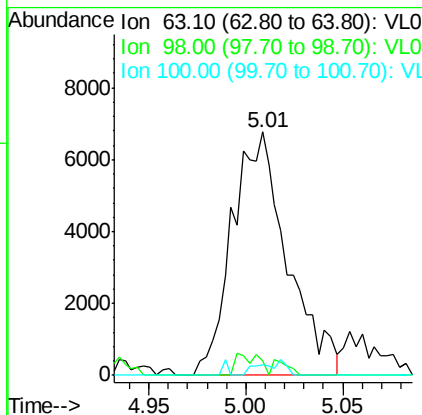
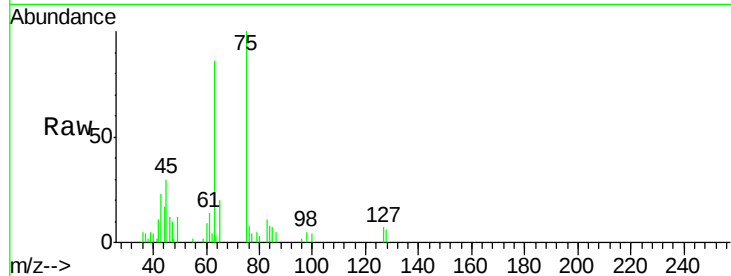
DDC-2-INFLUENT-1DUP

Tot Ion:	63	Resp:	13424
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.3	6.8
100	4.4	1.4	4.0#

Manual Integrations
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#26

Hexane

Concen: 5.344 ppbv

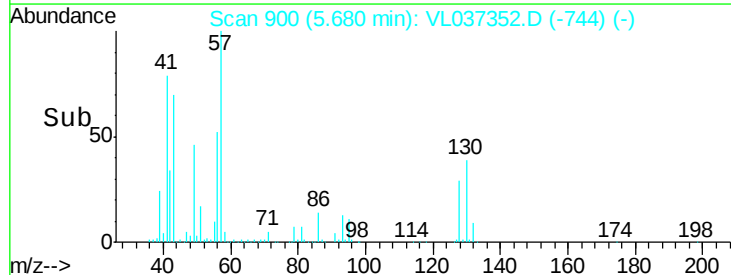
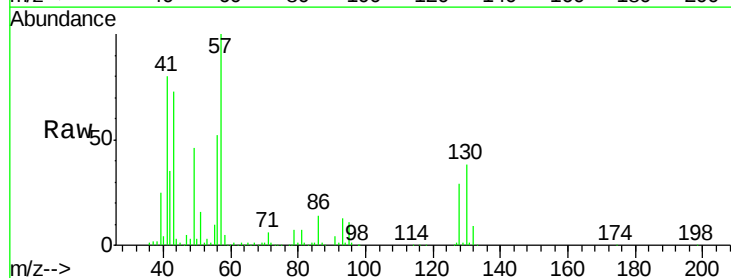
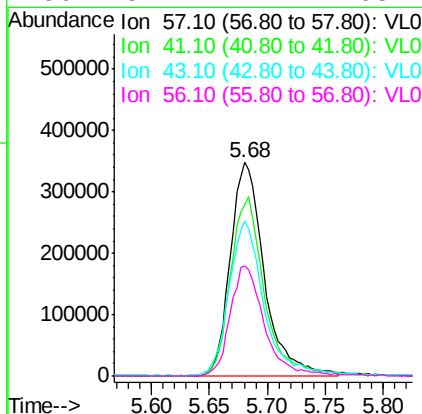
RT: 5.68 min Scan# 900

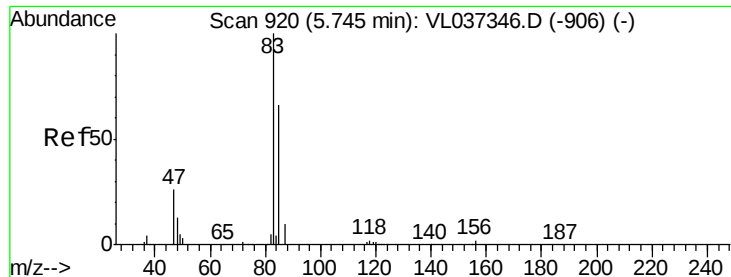
Delta R.T. -0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Tgt Ion:	57	Resp:	705870
Ion Ratio	Lower	Upper	
57	100		
41	83.7	69.2	103.8
43	75.2	162.1	243.1#
56	52.2	42.2	63.4





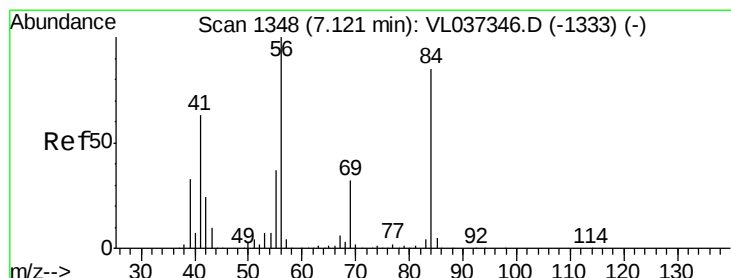
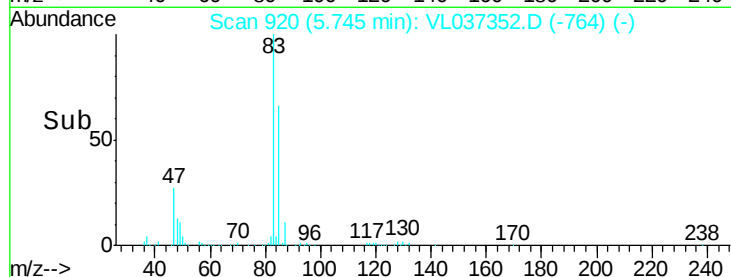
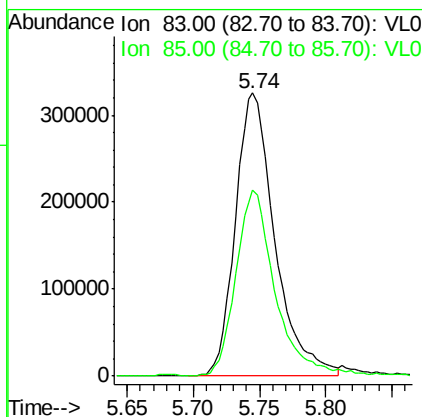
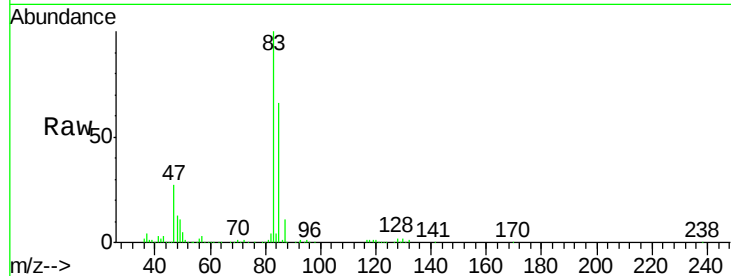
#29
Chloroform
Concen: 3.806 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion: 83 Resp: 674412
Ion Ratio Lower Upper
83 100
85 65.5 53.1 79.7

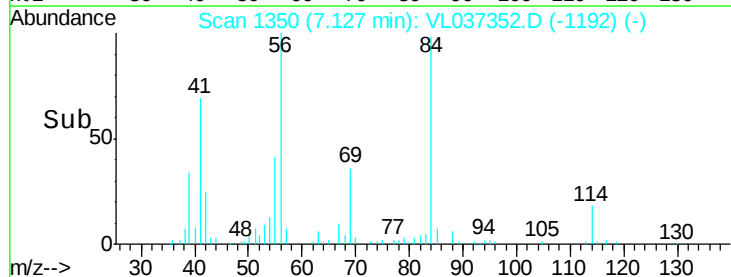
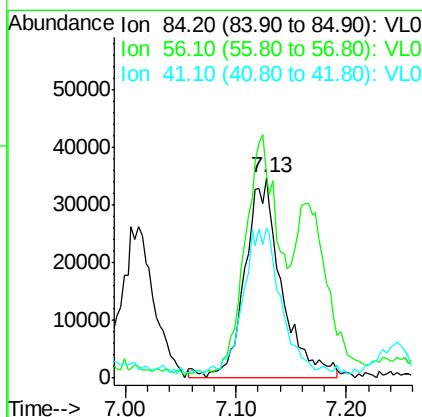
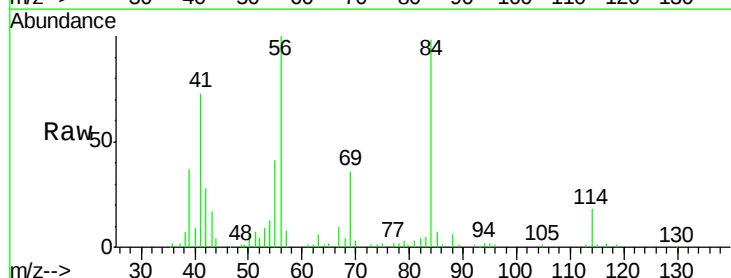
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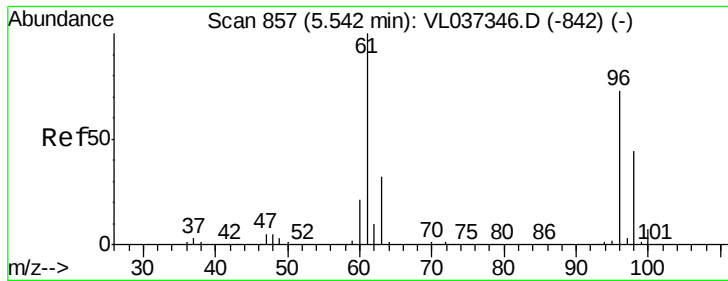
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#30
Cyclohexane
Concen: 0.781 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. 0.01 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion: 84 Resp: 80505
Ion Ratio Lower Upper
84 100
56 0.0 103.5 155.3#
41 0.0 61.4 92.2#





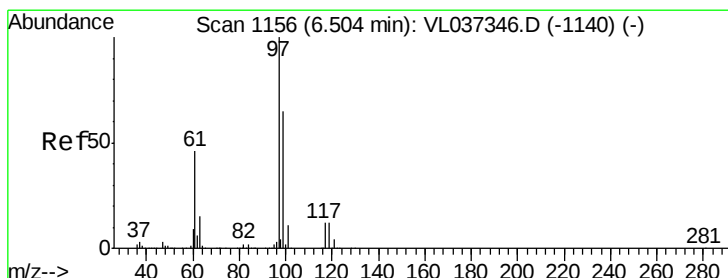
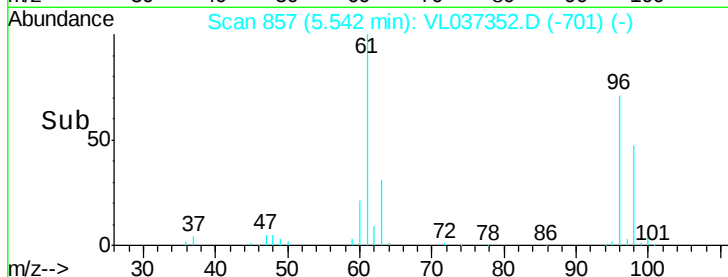
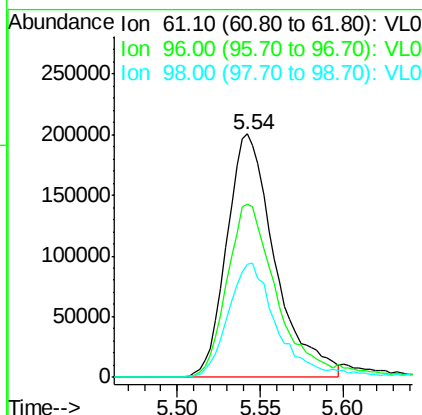
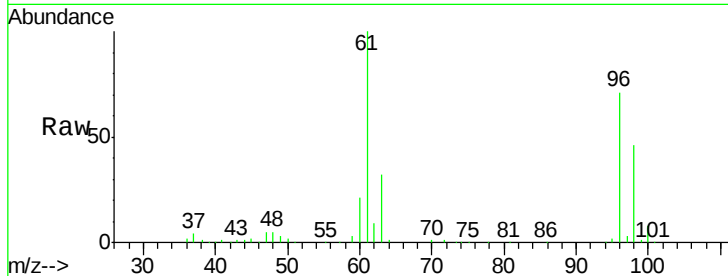
#31
 cis-1,2-Dichloroethene
 Concen: 3.899 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	70.8	58.5	87.7	
98	46.0	35.1	52.7	

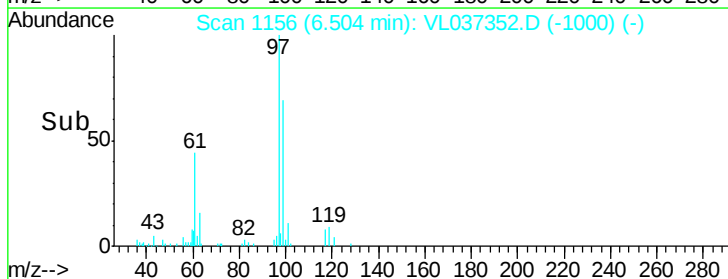
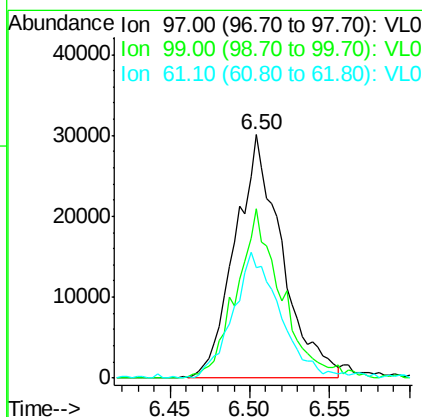
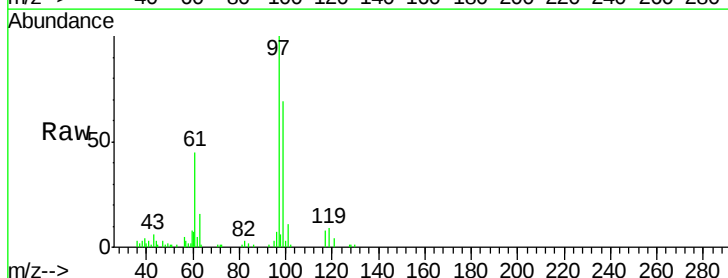
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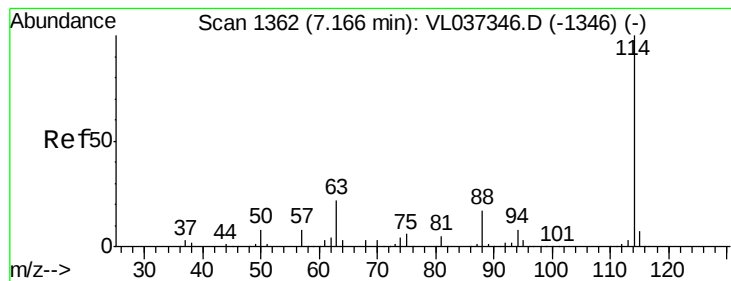
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#32
 1,1,1-Trichloroethane
 Concen: 0.322 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	67.6	51.8	77.6	
61	54.2	37.0	55.6	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DUP

Tot Ion:114 Resp: 2991634

Ion Ratio Lower Upper

114 100

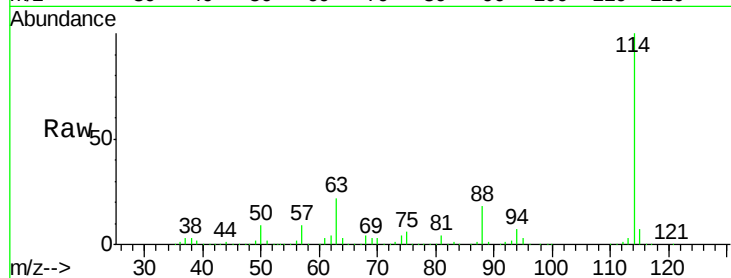
63 22.4 17.8 26.6

88 17.0 13.5 20.3

Manual Integrations
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SAM

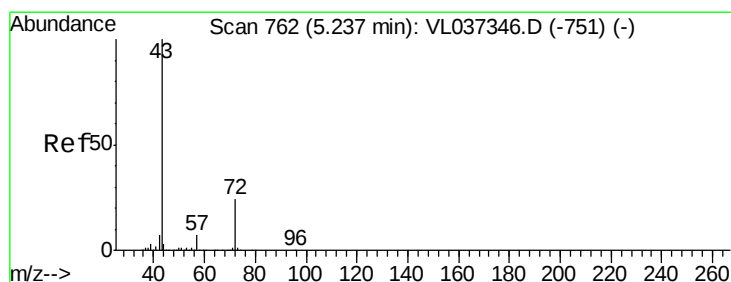
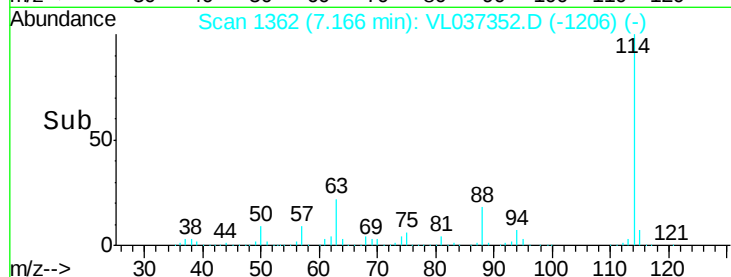
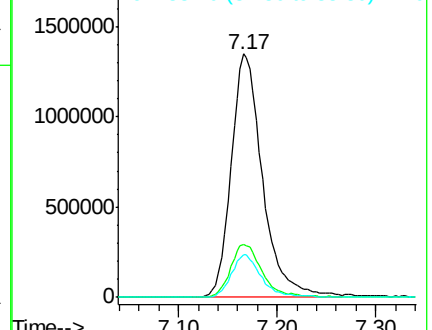
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.530 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL037352.D

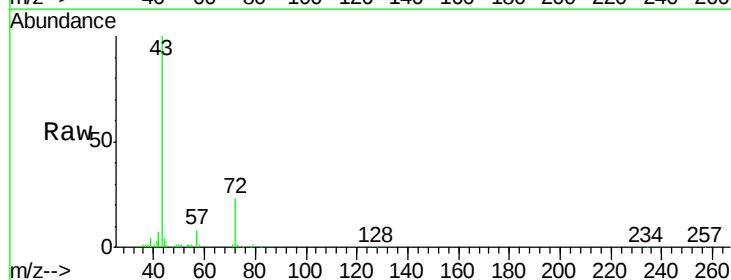
Acq: 6 Aug 2021 20:41

Tgt Ion: 43 Resp: 153652

Ion Ratio Lower Upper

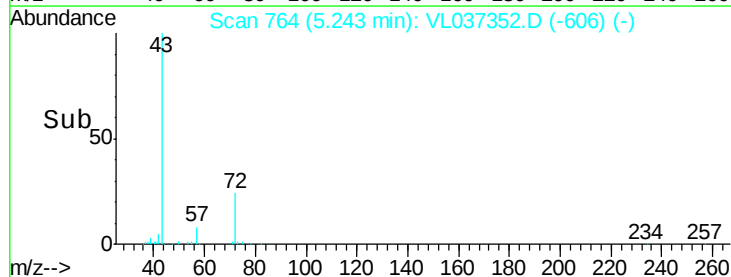
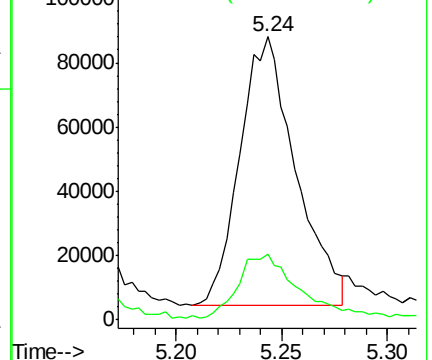
43 100

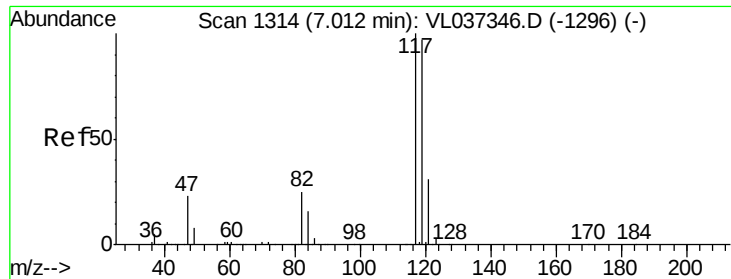
72 28.8 19.8 29.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





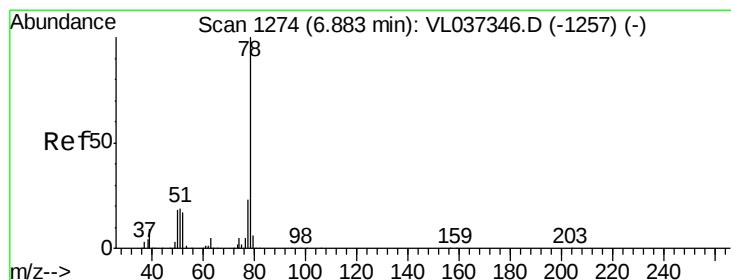
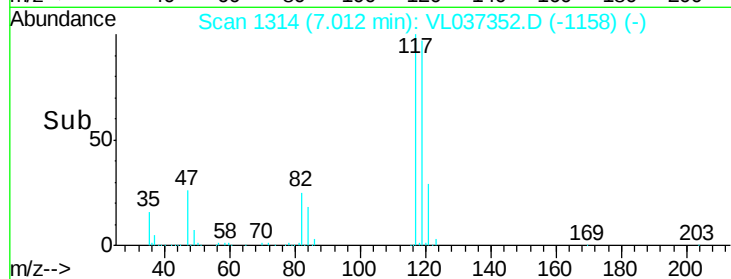
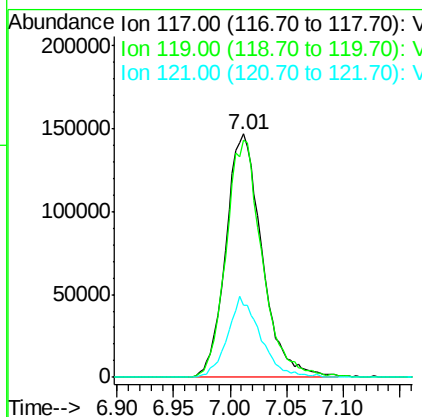
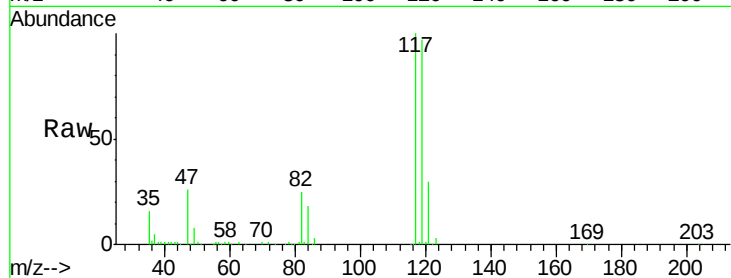
#35
Carbon Tetrachloride
Concen: 1.737 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
121	29.8	24.6	36.8

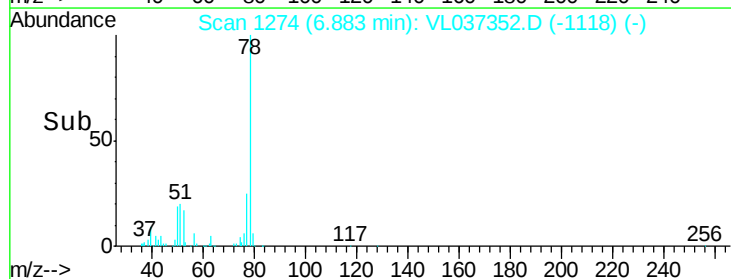
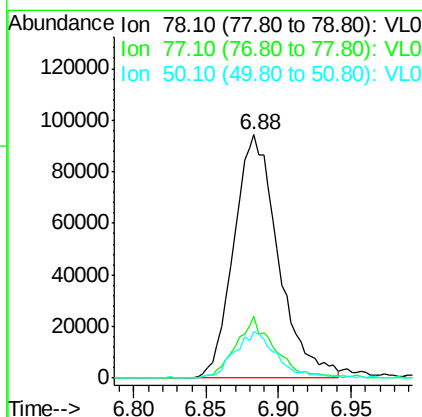
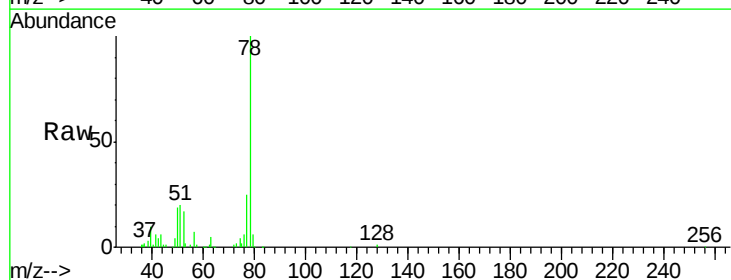
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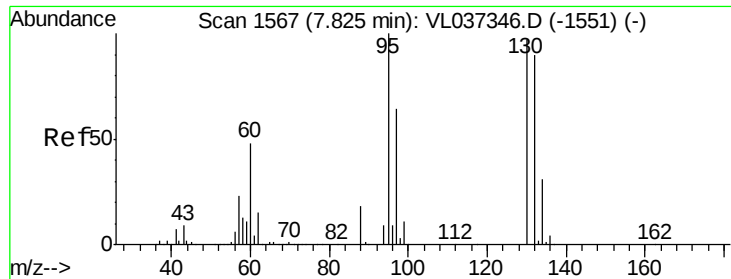
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#36
Benzene
Concen: 0.878 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.7	28.1
50	19.0	14.6	22.0





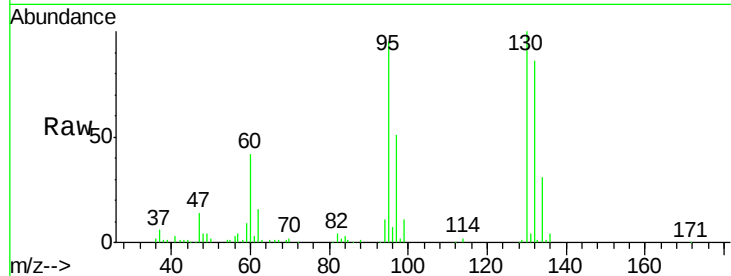
#38
 Trichloroethene
 Concen: 0.943 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DUP

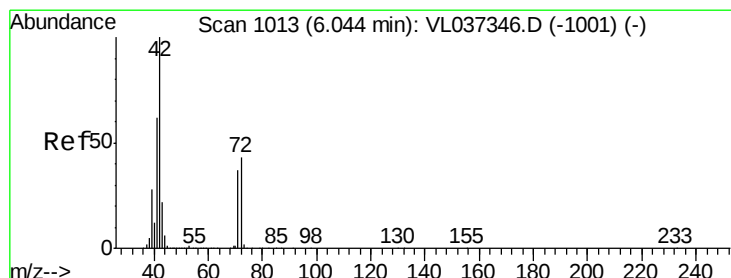
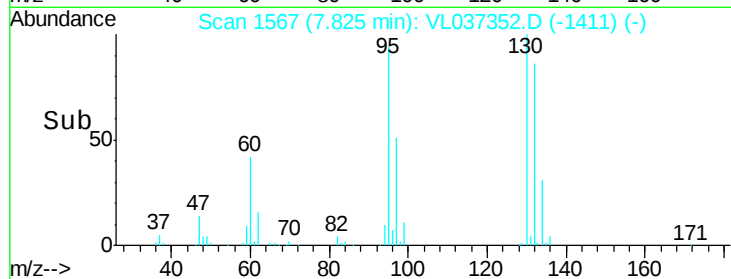
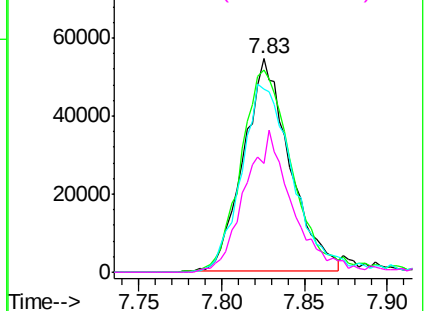
Tot Ion	Ratio	Resp	Lower	Upper
130	100	105959		
95	94.8	82.8	124.2	
132	86.2	74.9	112.3	
97	50.9	52.8	79.2	

Manual Integrations
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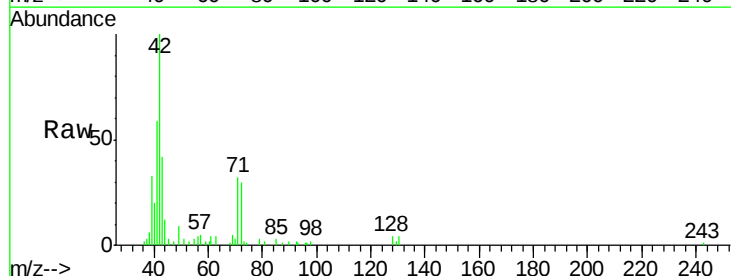


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

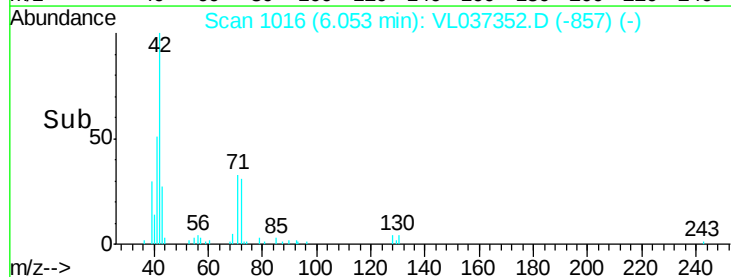
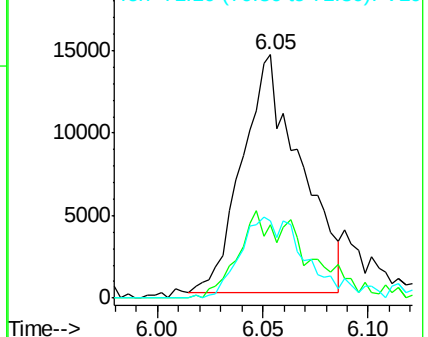


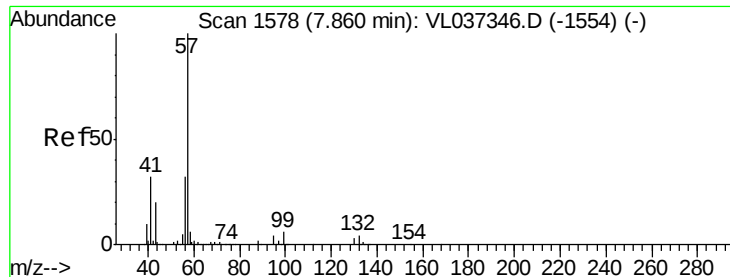
#41
 Tetrahydrofuran
 Concen: 0.565 ppbv
 RT: 6.05 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	27914		
72	43.8	35.6	53.4	
71	40.7	33.8	50.6	



Abundance Ion 42.10 (41.80 to 42.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0
 Ion 71.10 (70.80 to 71.80): VL0





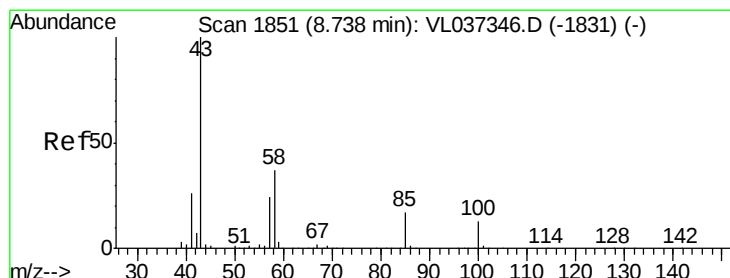
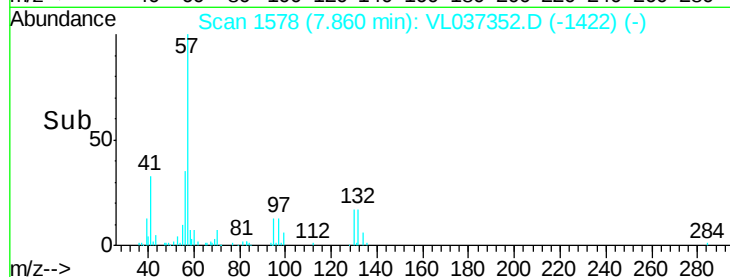
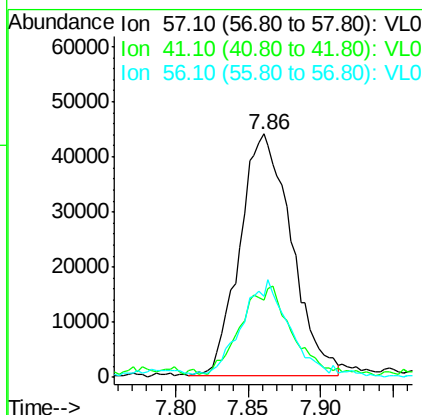
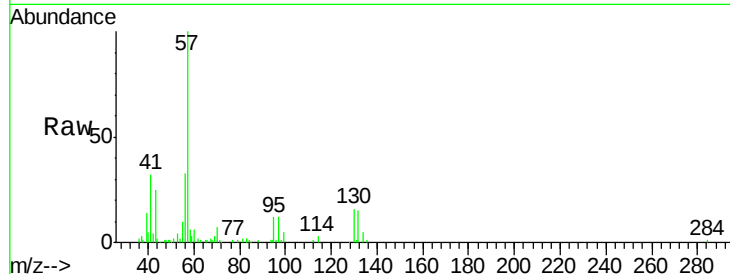
#44
 2,2,4-Trimethylpentane
 Concen: 0.285 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Lower	Upper
57	100		
41	37.4	26.1	39.1
56	37.7	25.0	37.4

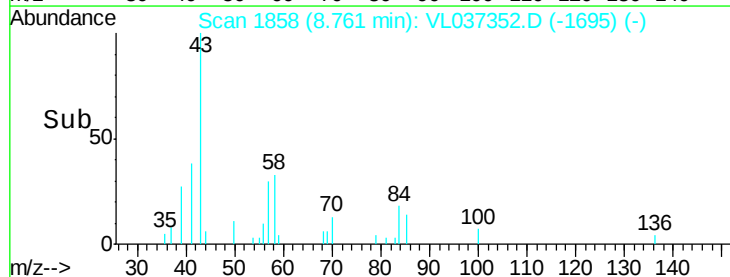
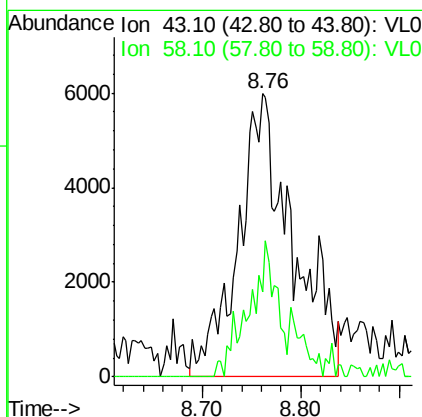
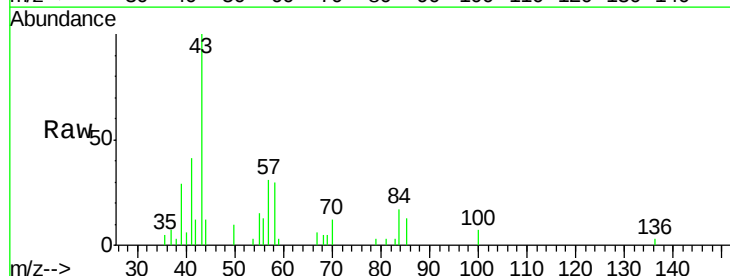
Manual Integrations
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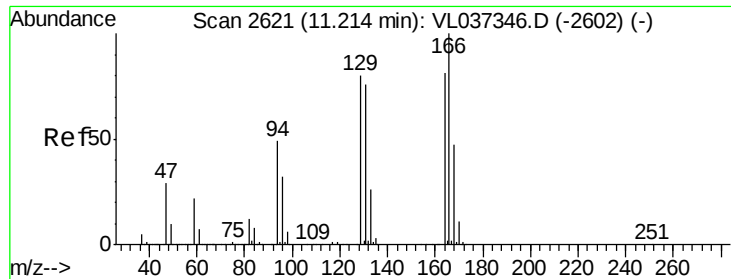
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#50
 4-Methyl-2-Pentanone
 Concen: 0.167 ppbv m
 RT: 8.76 min Scan# 1858
 Delta R.T. 0.02 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.9	44.9





#52

Tetrachloroethene

Concen: 26.626 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DUP

Tot Ion:164 Resp: 2911558

Ion Ratio Lower Upper

164 100

166 128.2 99.4 149.0

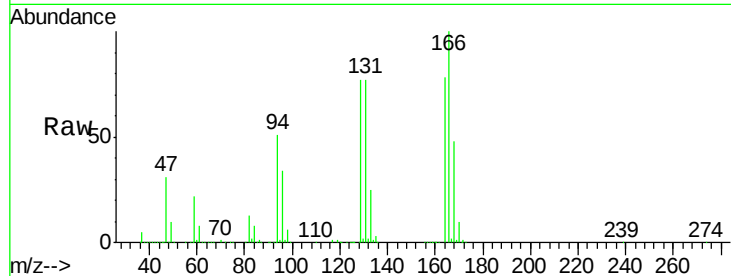
129 99.1 79.2 118.8

131 98.9 75.4 113.0

Manual Integrations
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SAM

8/10/2021 7:14:11 PM

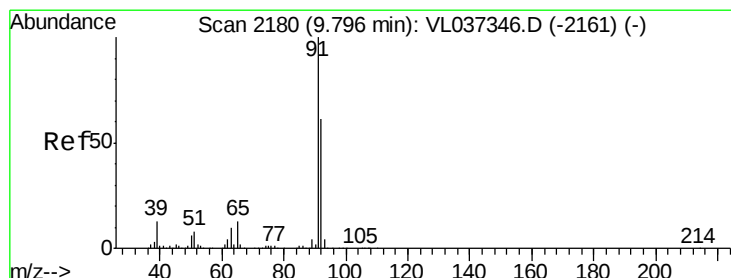
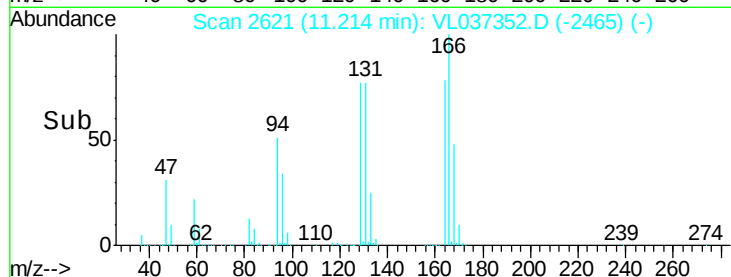
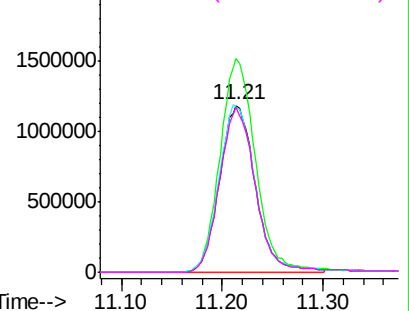


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.755 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL037352.D

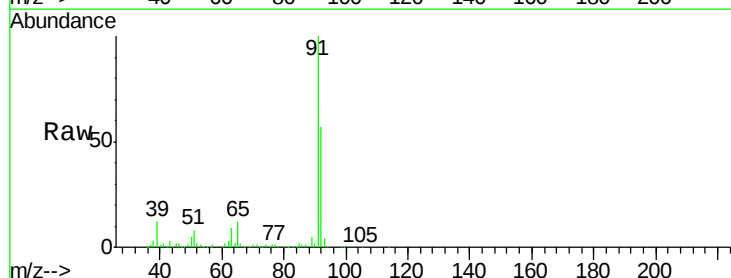
Acq: 6 Aug 2021 20:41

Tgt Ion: 91 Resp: 736314

Ion Ratio Lower Upper

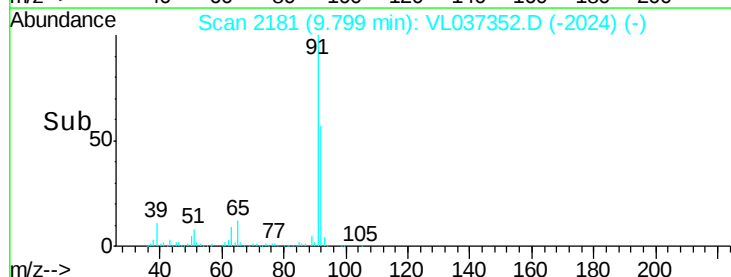
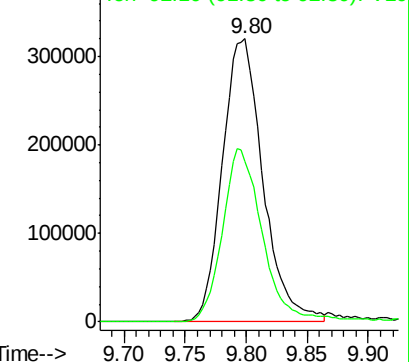
91 100

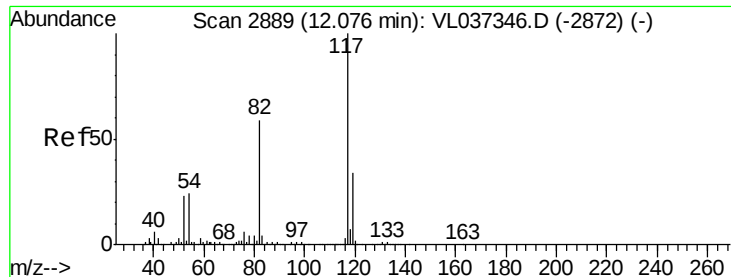
92 60.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





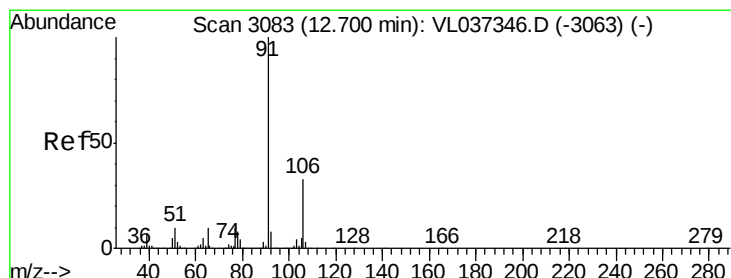
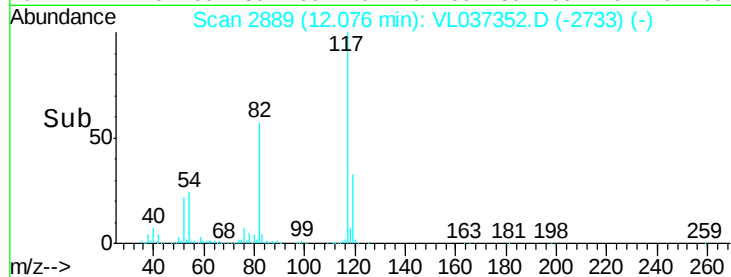
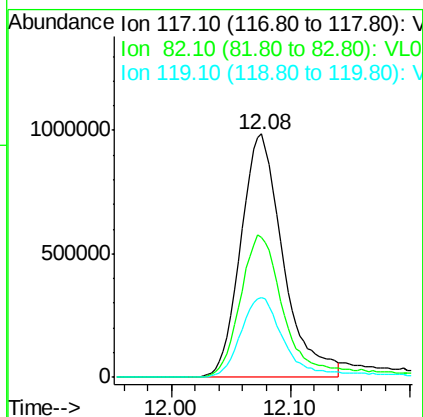
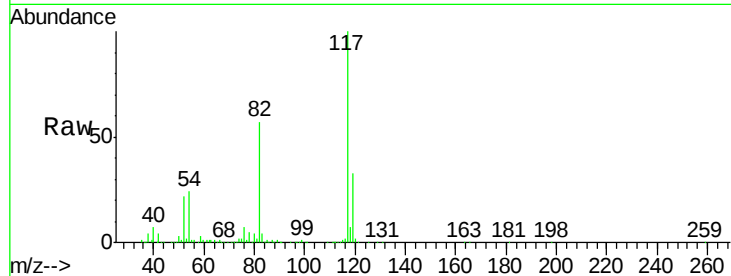
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.3	46.0	69.0
119	36.8	24.4	36.6#

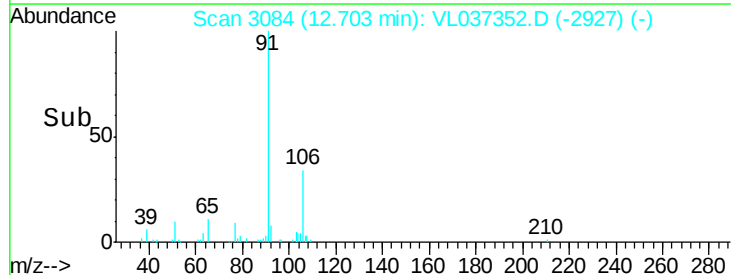
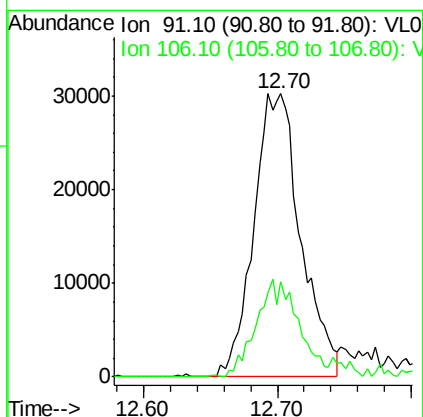
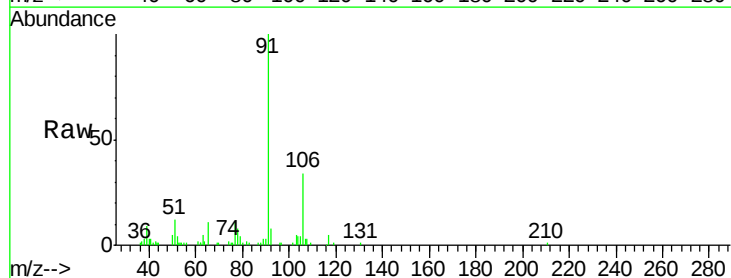
Manual Integrations
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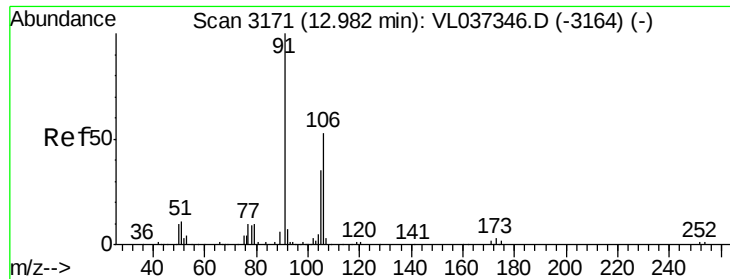
SAM
8/10/2021 7:14:11 PM



#58
Ethyl Benzene
Concen: 0.231 ppbv m
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.5	26.2	39.2





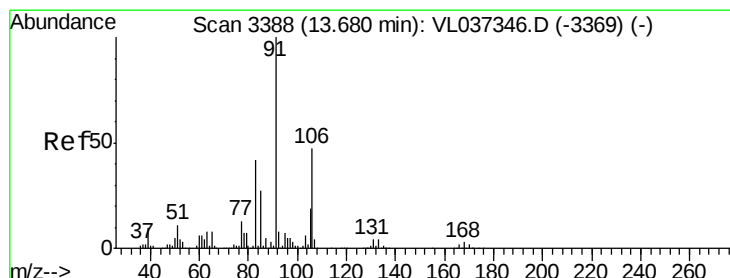
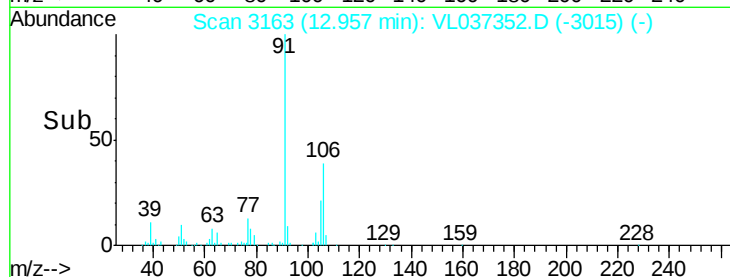
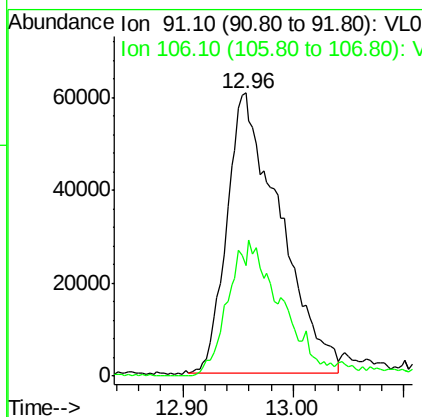
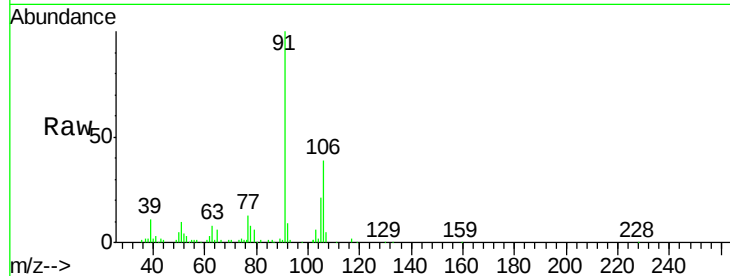
#59
m/p-Xylene
Concen: 0.731 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.03 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Lower	Upper
91	100		
106	49.4	37.0	55.6

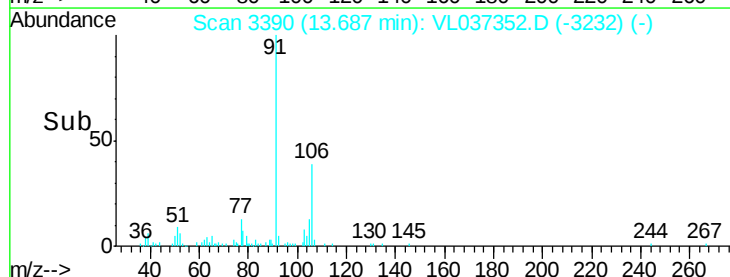
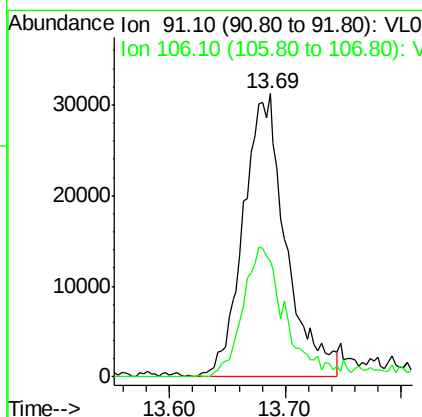
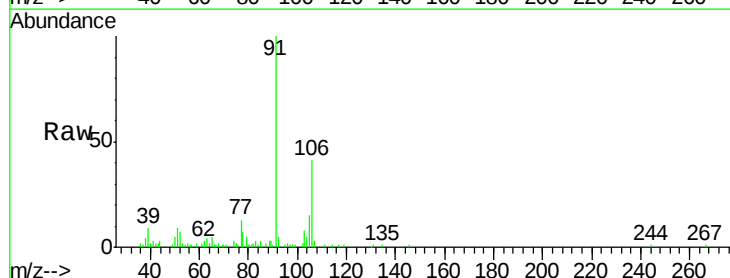
Manual Integrations
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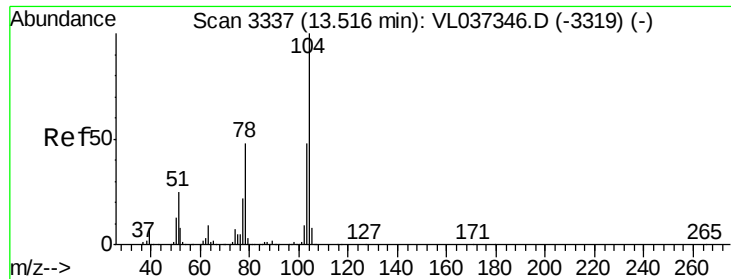
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#60
o-Xylene
Concen: 0.313 ppbv m
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.7	23.1	69.3





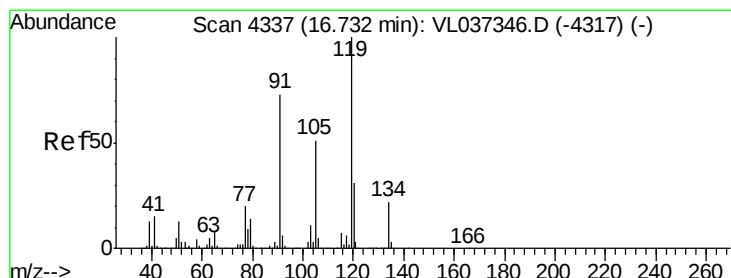
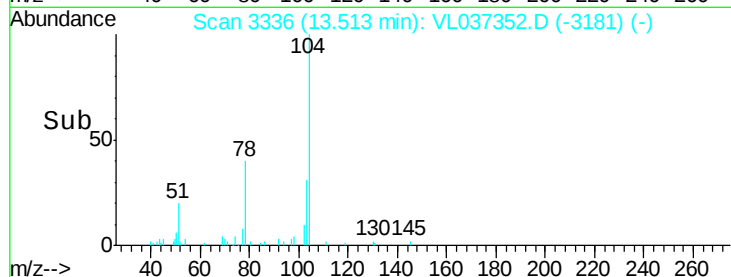
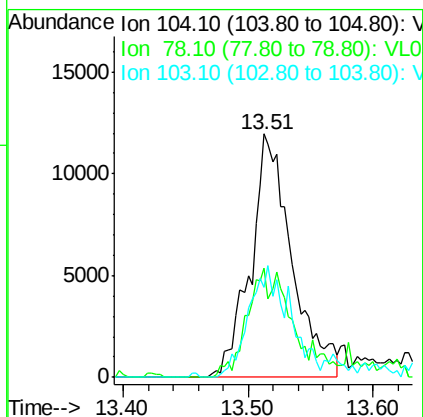
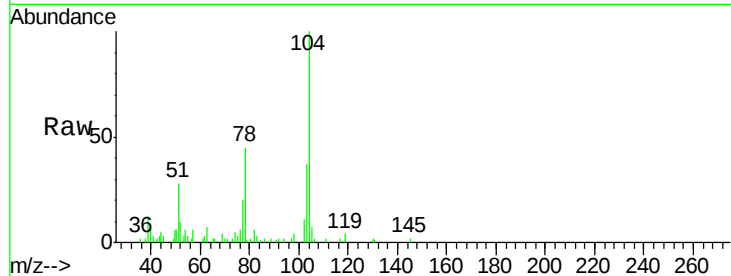
#61
Stvrene
Concen: 0.208 ppbv m
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	38.2	57.4
103	52.8	38.3	57.5

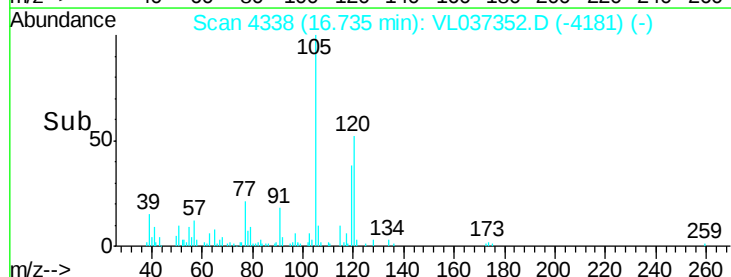
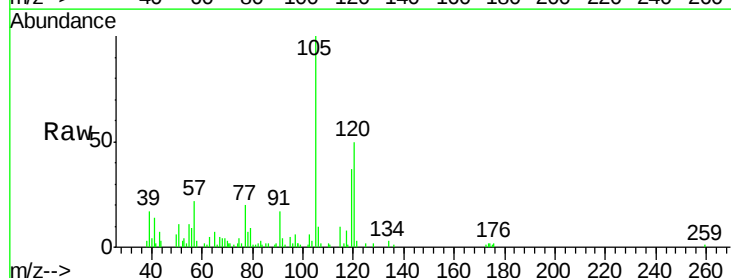
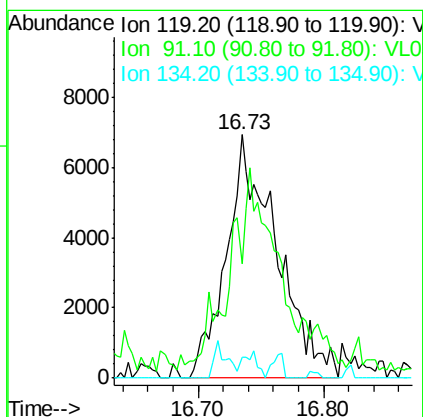
Manual Integrations
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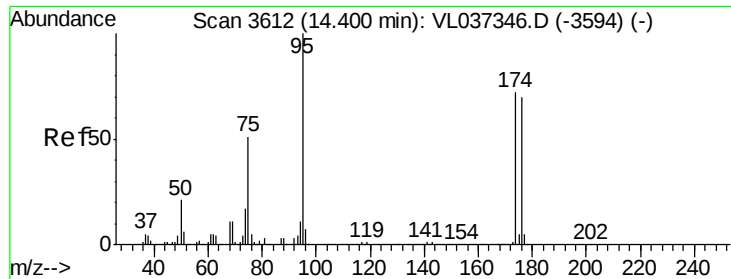
SAM
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#65
tert-Butylbenzene
Concen: 0.055 ppbv m
RT: 16.73 min Scan# 4338
Delta R.T. 0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	59.6	89.4#
134	0.0	16.6	24.8#





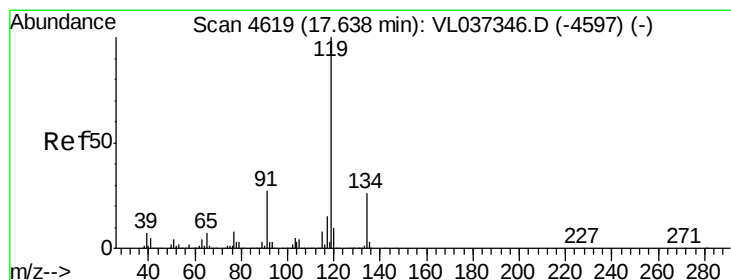
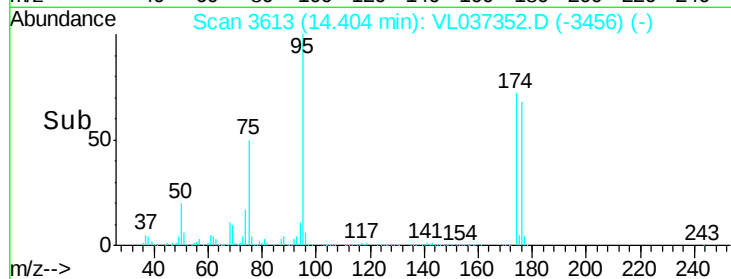
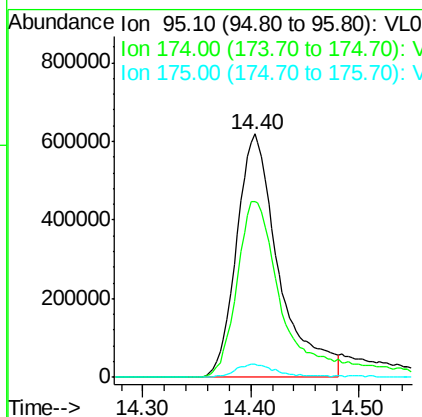
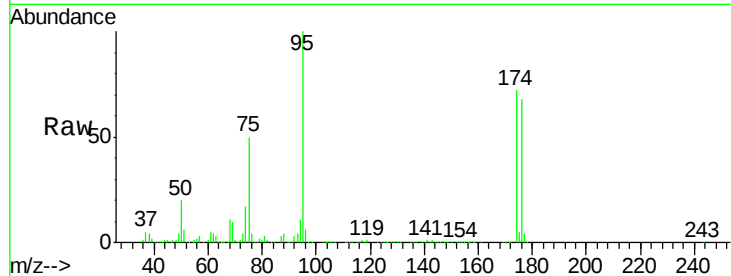
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.864 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Instrument :
 MSVOA_L
 ClientSampleId :
 DDC-2-INFLUENT-1DUP

Tot Ion: 95 Resp: 1690005
 Ion Ratio Lower Upper
 95 100
 174 83.1 60.8 91.2
 175 6.2 4.3 6.5

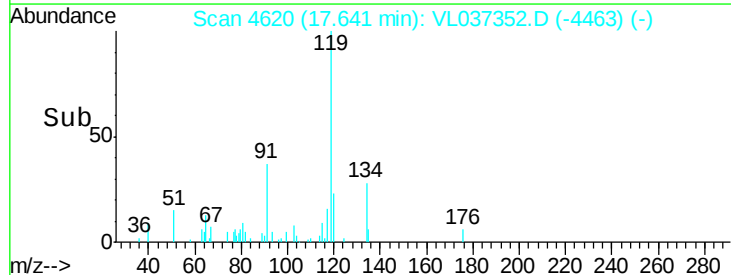
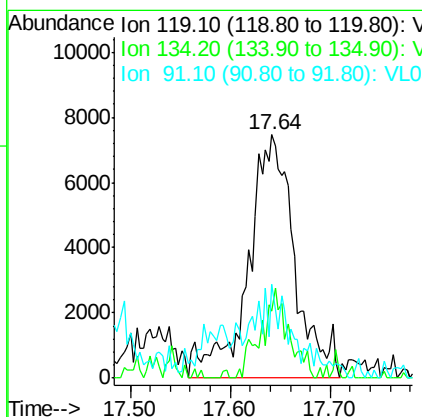
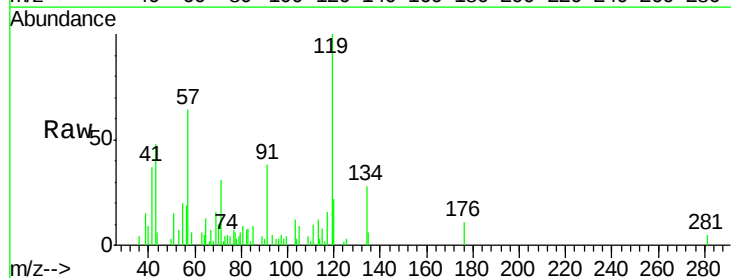
Manual Integrations
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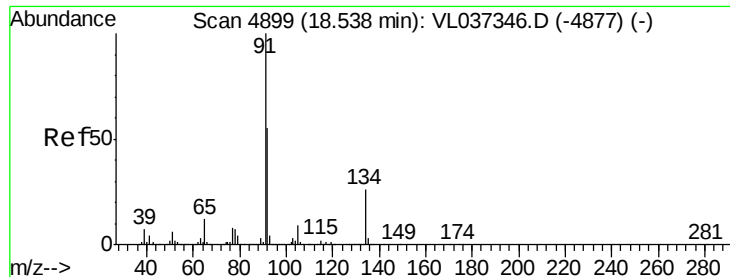
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#69
 p-Isopropyltoluene
 Concen: 0.060 ppbv m
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.00 min
 Lab File: VL037352.D
 Acq: 6 Aug 2021 20:41

Tgt Ion: 119 Resp: 23804
 Ion Ratio Lower Upper
 119 100
 134 22.3 20.8 31.2
 91 36.2 21.0 31.6#





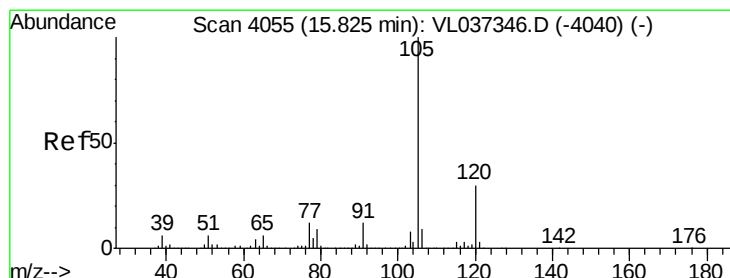
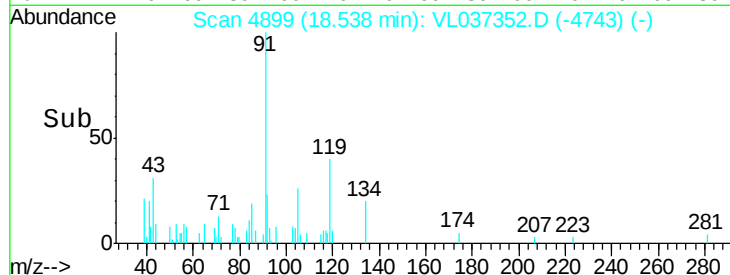
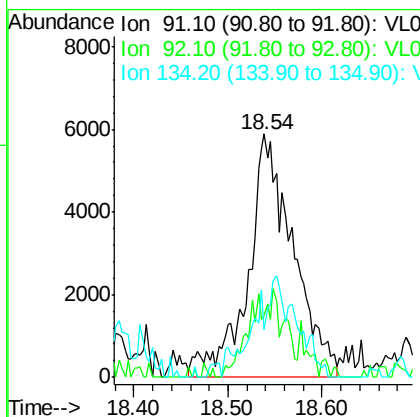
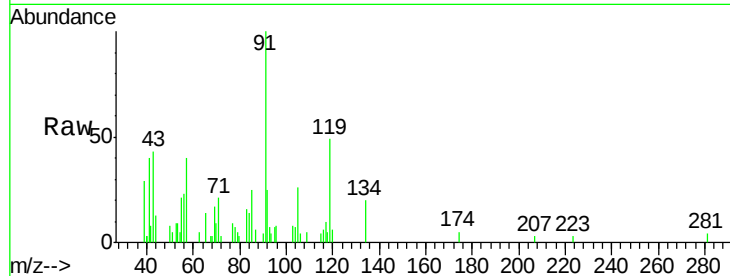
#70
n-Butylbenzene
Concen: 0.056 ppbv m
RT: 18.54 min Scan# 4899
Delta R.T. 0.00 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Instrument :
MSVOA_L
ClientSampleId :
DDC-2-INFLUENT-1DUP

Tot Ion	Ratio	Resp	Lower	Upper
91	100	19682		
92	0.0	43.5	65.3#	
134	0.0	20.4	30.6#	

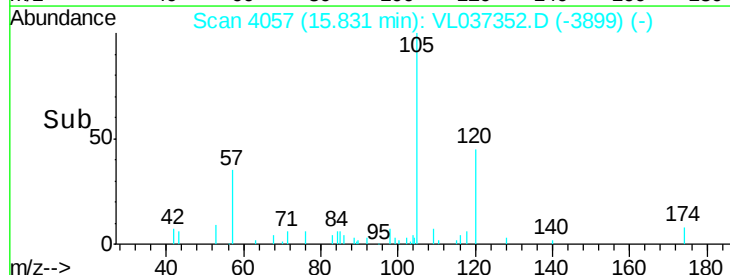
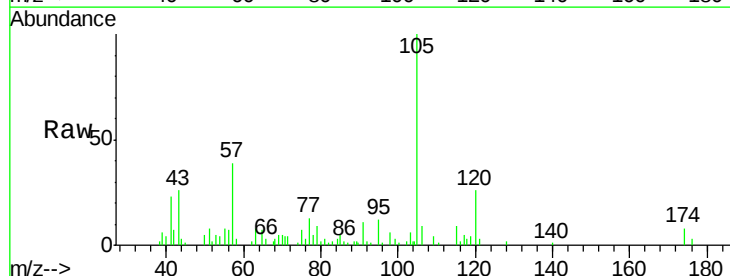
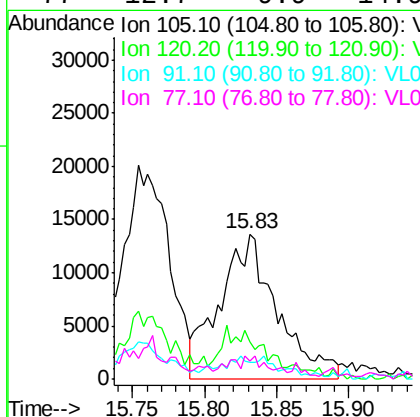
Manual Integrations
APPROVED

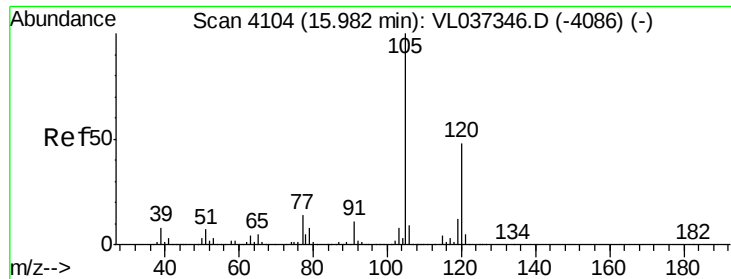
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#72
4-Ethyltoluene
Concen: 0.125 ppbv m
RT: 15.83 min Scan# 4057
Delta R.T. 0.01 min
Lab File: VL037352.D
Acq: 6 Aug 2021 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37782		
120	0.0	24.4	36.6#	
91	17.8	9.8	14.6#	
77	12.7	9.9	14.9	





#73

1,3,5-Trimethylbenzene

Concen: 0.108 ppbv m

RT: 15.99 min Scan# 4107

Delta R.T. 0.01 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

DDC-2-INFLUENT-1DUP

Tot Ion:105 Resp: 30886

Ion Ratio Lower Upper

105 100

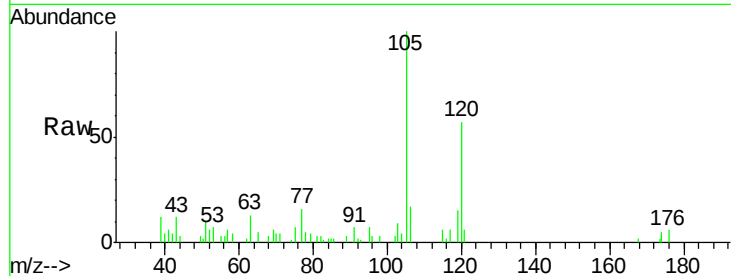
120 56.5 38.1 57.1

Manual Integrations

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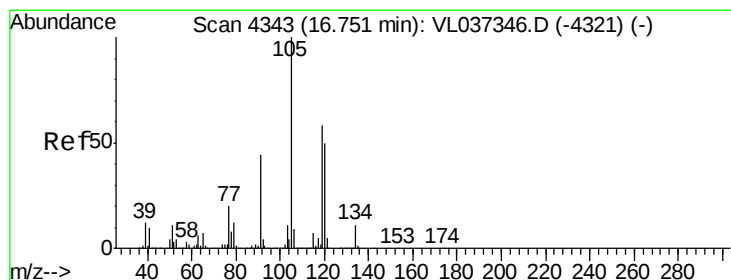
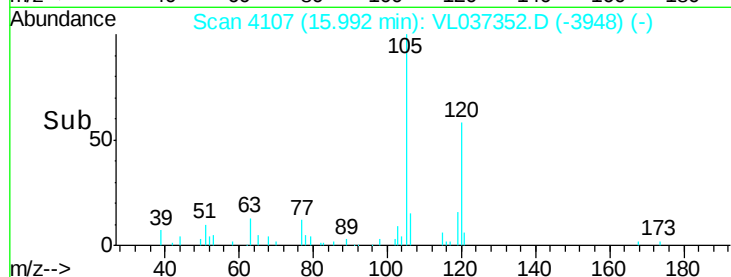
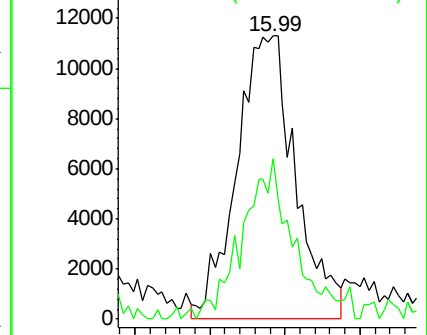
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.247 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Tgt Ion:105 Resp: 74190

Ion Ratio Lower Upper

105 100

120 43.8 39.7 59.5

91 11.7 35.0 52.6#

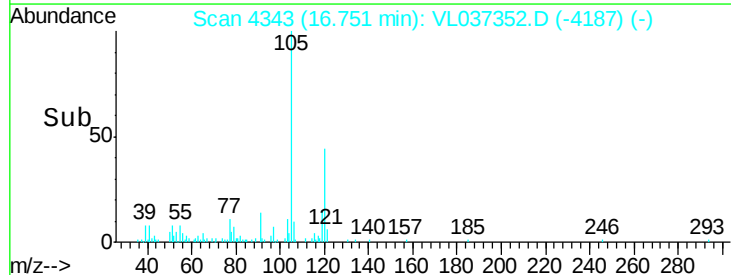
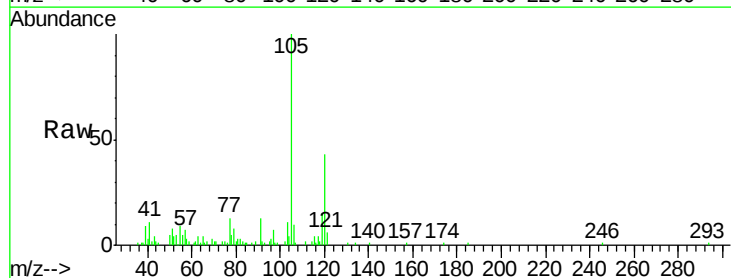
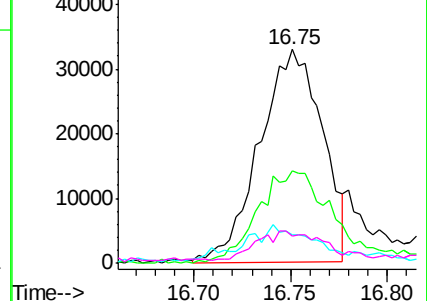
77 11.1 16.1 24.1#

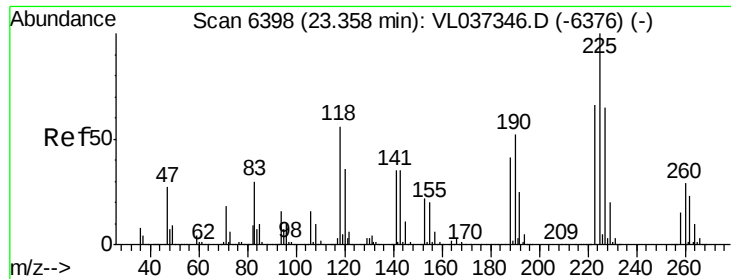
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#78

Hexachloro-1,3-Butadiene

Concen: 0.040 ppbv m

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

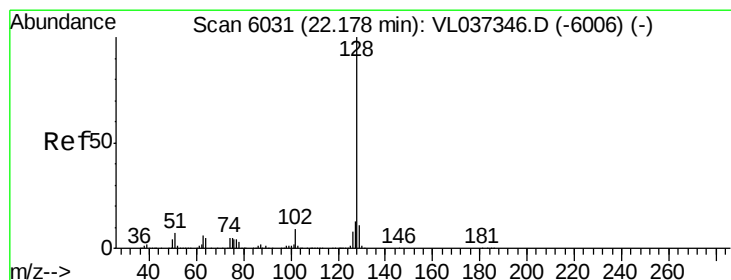
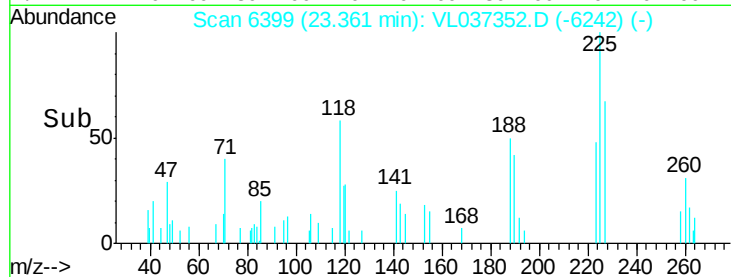
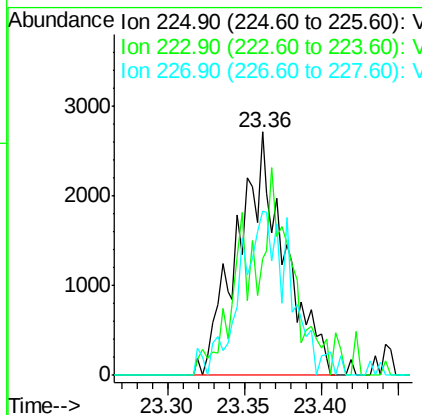
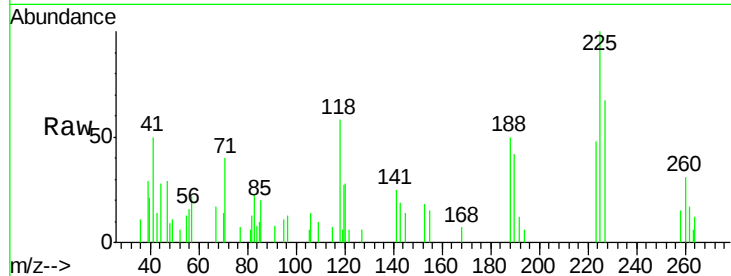
DDC-2-INFLUENT-1DUP

Tot Ion:	225	Resp:	5776
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.3	76.9#
227	0.0	51.6	77.4#

Manual Integrations
APPROVED

SAM

8/10/2021 7:14:11 PM



#79

Naphthalene

Concen: 0.100 ppbv m

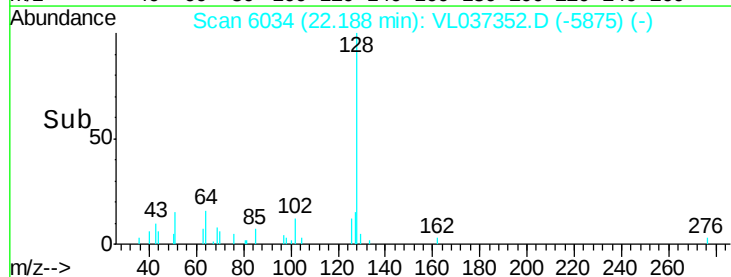
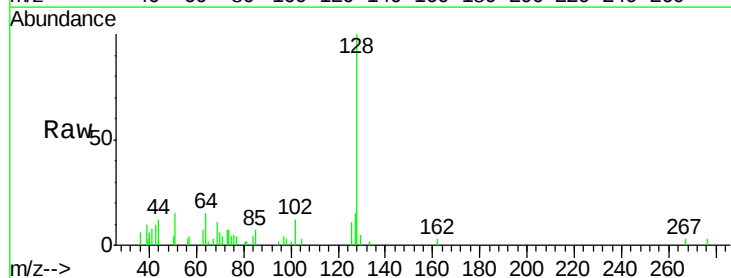
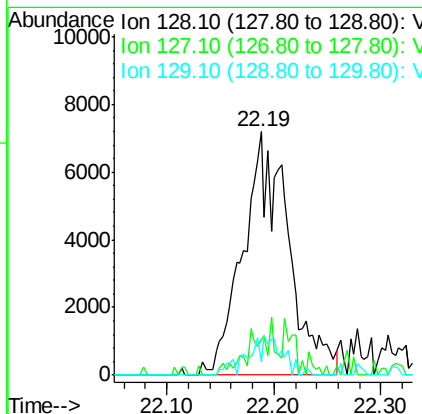
RT: 22.19 min Scan# 6034

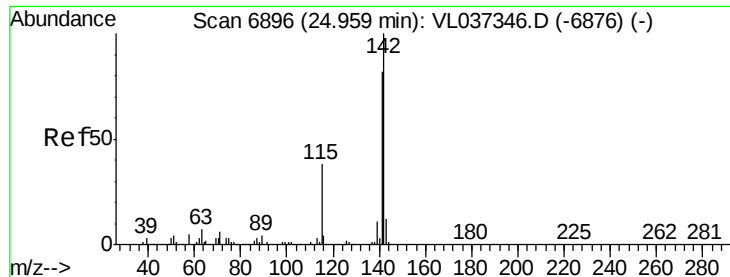
Delta R.T. 0.01 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Tgt Ion:	128	Resp:	21169
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.2	15.2
129	5.2	8.8	13.2#





#80

Naphthalene, 2-methyl-

Concen: 0.190 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.02 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Instrument :

MSVOA_L

ClientSampleId :

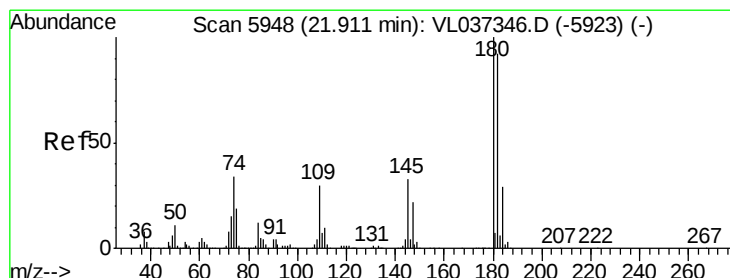
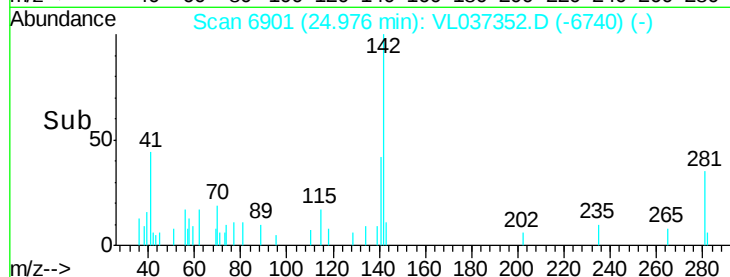
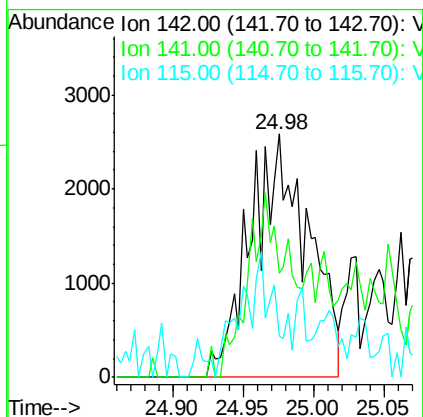
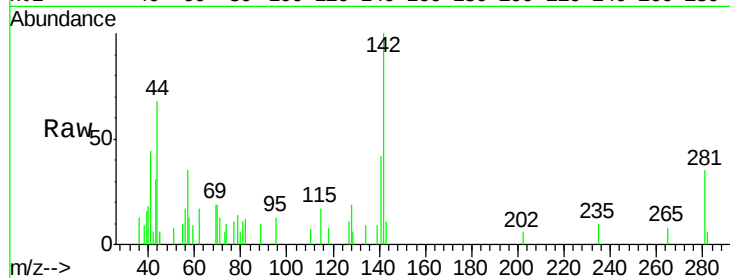
DDC-2-INFLUENT-1DUP

Tot Ion:	142	Resp:	7337
Ion Ratio	Lower	Upper	
142	100		
141	50.1	67.2	100.8#
115	30.9	29.4	44.2

Manual Integrations
APPROVED

SAM

8/10/2021 7:14:11 PM



#81

1,2,4-Trichlorobenzene

Concen: 0.046 ppbv m

RT: 21.92 min Scan# 5950

Delta R.T. 0.01 min

Lab File: VL037352.D

Acq: 6 Aug 2021 20:41

Tgt Ion:	180	Resp:	6335
Ion Ratio	Lower	Upper	
180	100		
182	0.0	78.1	117.1#
184	0.0	24.9	37.3#

