

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036048.D
 Acq On : 3 Dec 2020 11:06
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:13 PM

Quant Time: Dec 03 12:21:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 0
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1250710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4434697	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4147252	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3146356	10.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	225194	0.956 ppbv	98
3) Chlorodifluoromethane	2.97	51	150846	1.007 ppbv	100
4) Chloromethane	3.12	50	73393	1.009 ppbv	100
5) Vinyl Chloride	3.24	62	91679	0.988 ppbv	89
6) Bromomethane	3.46	94	68985	0.925 ppbv	100
7) Chloroethane	3.54	64	31891	0.977 ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	267937	0.994 ppbv	98
9) Propene	3.00	41	49467	0.902 ppbv	97
10) Heptane	8.11	43	131036	0.865 ppbv	99
11) Trichlorofluoromethane	3.93	101	297910	1.008 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	225676	1.025 ppbv	99
13) Ethanol	3.60	45	10329m	0.869 ppbv	
14) Bromoethene	3.72	108	84959	0.839 ppbv	94
15) Acetone	3.84	43	148467	1.110 ppbv	91
16) 1,3-Butadiene	3.31	39	56238	0.977 ppbv	94
17) tert-Butyl alcohol	4.29	59	152644m	0.861 ppbv	
18) 1,1-Dichloroethene	4.28	96	96934	0.959 ppbv	95
19) Isopropyl Alcohol	3.96	45	75912m	0.924 ppbv	
20) Methylene Chloride	4.33	84	126104	1.340 ppbv	97
21) Allyl Chloride	4.39	41	64719	0.895 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	94336	0.921 ppbv	94
23) Vinyl Acetate	5.06	43	127828	0.682 ppbv #	97
24) 1,1-Dichloroethane	4.99	63	180133	1.009 ppbv	99
25) Ethyl Acetate	5.67	43	261375	0.992 ppbv	99
26) Hexane	5.67	57	138859	0.956 ppbv	96
27) Carbon Disulfide	4.54	76	189220	0.869 ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	203430	0.780 ppbv	100
29) Chloroform	5.74	83	257958	0.903 ppbv	97
30) Cyclohexane	7.11	84	115632	0.731 ppbv	88
31) cis-1,2-Dichloroethene	5.53	61	118781	0.795 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	231934	0.778 ppbv	99
34) 2-Butanone	5.23	43	140055	0.973 ppbv	94
35) Carbon Tetrachloride	7.00	117	219237	0.925 ppbv	96
36) Benzene	6.87	78	288326	0.875 ppbv	97
37) 1,2-Dichloroethane	6.29	62	150076	1.005 ppbv	98
38) Trichloroethene	7.82	130	128226	0.796 ppbv	96
39) 1,2-Dichloropropane	7.60	63	114811	1.034 ppbv	97
40) 1,4-Dioxane	7.85	88	36319m	0.690 ppbv	
41) Tetrahydrofuran	6.05	42	69952m	0.855 ppbv	
42) Bromodichloromethane	7.77	83	234547	0.931 ppbv	97
43) Methyl Methacrylate	8.00	69	93473	0.743 ppbv	96

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Manual Integrations
 APPROVED

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 12/7/2020 12:08:13 PM

Quant Time: Dec 03 12:21:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 12:00:21 2020
 QLast Update : Thu Dec 03 12:00:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	454464	1.042	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	73859	0.554	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	111379m	0.660	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	143804	0.951	ppbv	97
48) Dibromochloromethane	10.29	129	178517	0.773	ppbv	100
49) Bromoform	13.02	173	119922	0.615	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	215597m	0.980	ppbv	
51) 2-Hexanone	10.13	43	140253m	0.793	ppbv	
52) Tetrachloroethene	11.21	164	110353	0.707	ppbv	97
53) Toluene	9.79	91	291092	0.732	ppbv	97
54) 1,2-Dibromoethane	10.59	107	190208	0.827	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	163709	0.879	ppbv #	1
57) Chlorobenzene	12.13	112	312975	0.949	ppbv	99
58) Ethyl Benzene	12.70	91	369798	0.732	ppbv	97
59) m/p-Xylene	12.98	91	726102m	1.699	ppbv	
60) o-Xylene	13.68	91	370028	0.890	ppbv	98
61) Styrene	13.52	104	166742	0.547	ppbv	98
62) Isopropylbenzene	14.65	105	557468	0.853	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.66	83	305951	0.950	ppbv	99
64) n-propylbenzene	15.55	120	140092	0.742	ppbv	70
65) tert-Butylbenzene	16.73	119	463237	0.779	ppbv	98
66) Benzyl Chloride	16.98	91	77196	0.393	ppbv	100
67) sec-Butylbenzene	17.28	105	653156	0.815	ppbv	94
69) p-Isopropyltoluene	17.64	119	460193	0.696	ppbv	98
70) n-Butylbenzene	18.54	91	458285	0.720	ppbv	94
71) 2-Chlorotoluene	15.44	91	359480	0.752	ppbv	97
72) 4-Ethyltoluene	15.83	105	356565	0.707	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	330893	0.717	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	406658	0.823	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	238714	0.758	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	206086	0.679	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	220950	0.720	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	118833	0.830	ppbv	99
79) Naphthalene	22.20	128	126801m	0.368	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	8831m	0.157	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	101183m	0.525	ppbv	

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

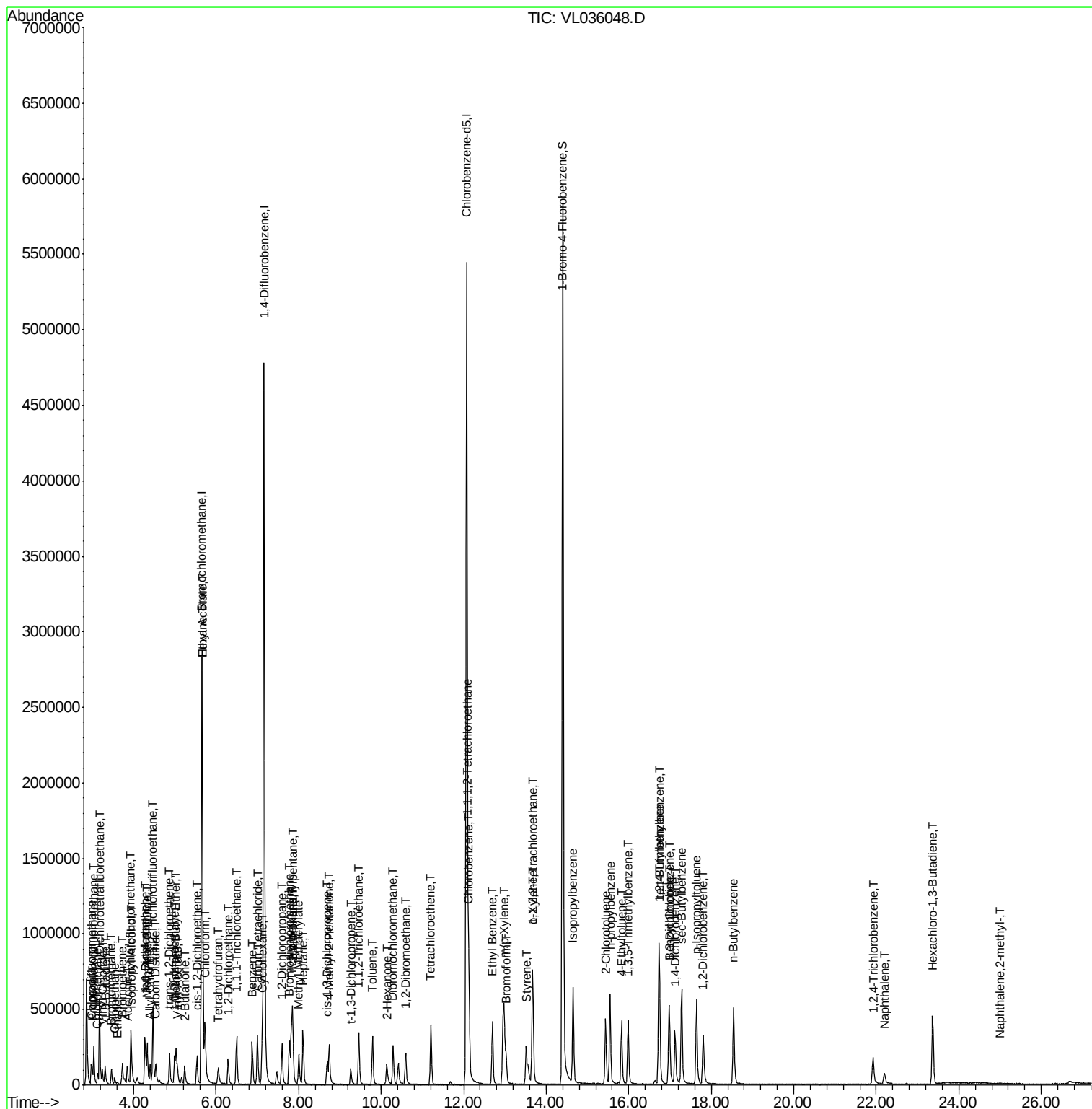
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
Data File : VL036048.D
Acq On : 3 Dec 2020 11:06
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

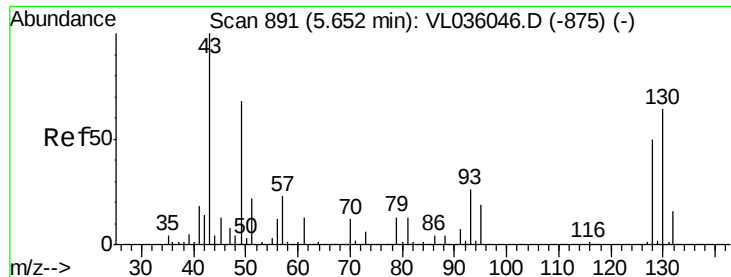
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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Quant Time: Dec 03 12:21:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1250710

Ion Ratio Lower Upper

49 100

128 75.7 38.3 114.8

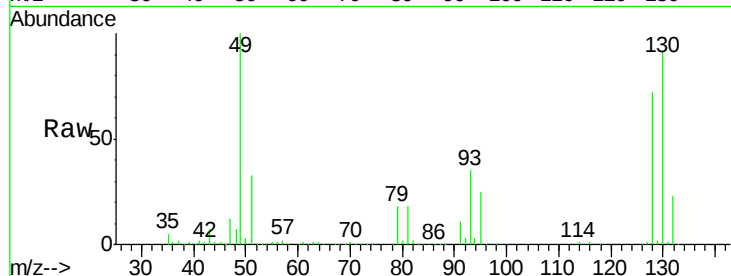
130 97.3 49.1 147.4

Manual Integrations

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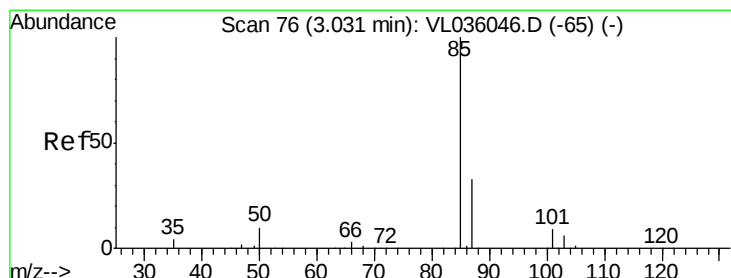
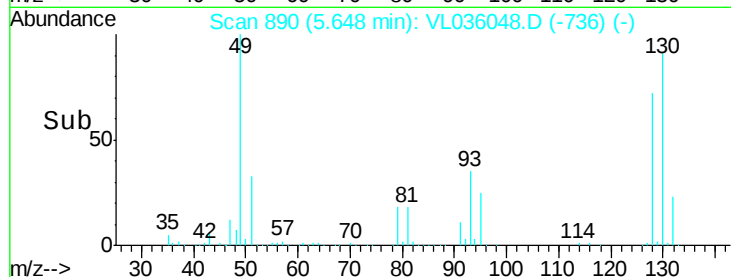
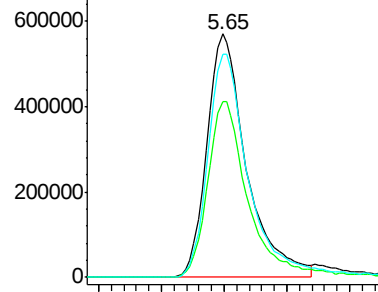
12/7/2020 12:08:13 PM



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



#2

Dichlorodifluoromethane

Concen: 0.956 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036048.D

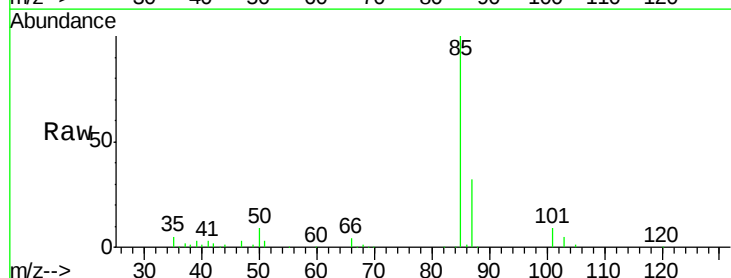
Acq: 3 Dec 2020 11:06

Tgt Ion: 85 Resp: 225194

Ion Ratio Lower Upper

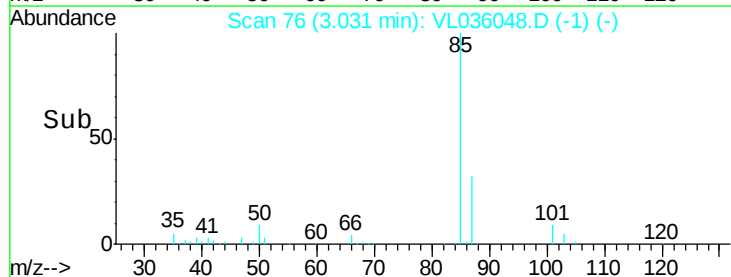
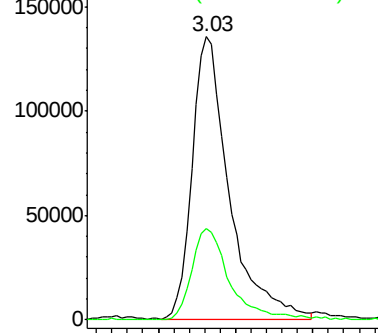
85 100

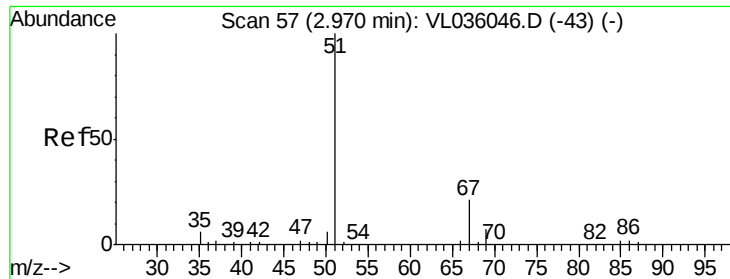
87 32.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.007 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 150846

Ion Ratio Lower Upper

51 100

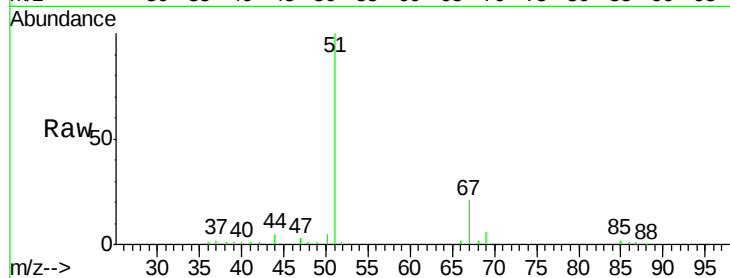
67 21.0 16.9 25.3

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

80000

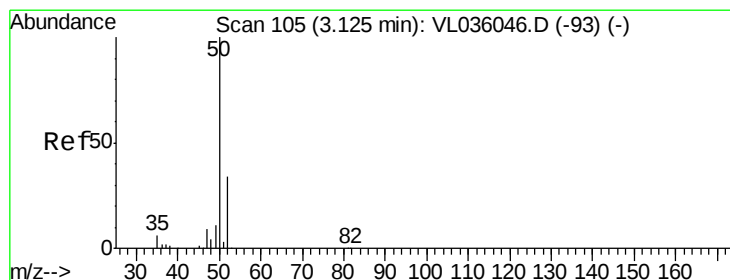
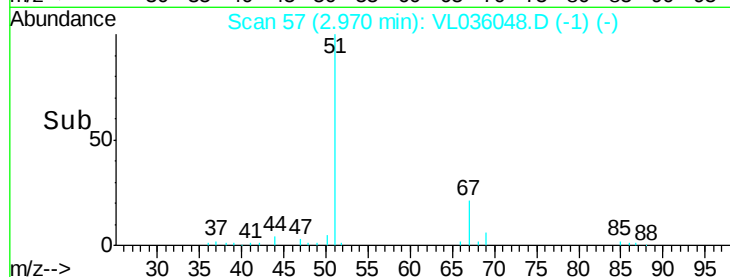
60000

40000

20000

0

Time-->



#4

Chloromethane

Concen: 1.009 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036048.D

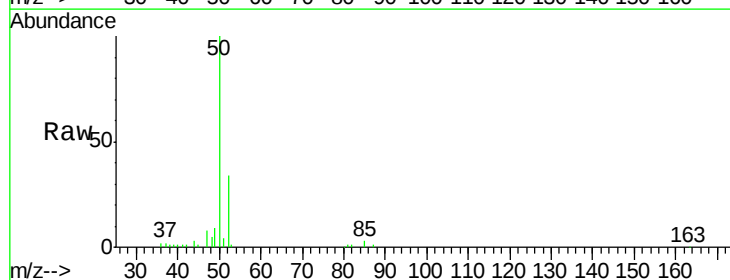
Acq: 3 Dec 2020 11:06

Tgt Ion: 50 Resp: 73393

Ion Ratio Lower Upper

50 100

52 34.3 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

50000

40000

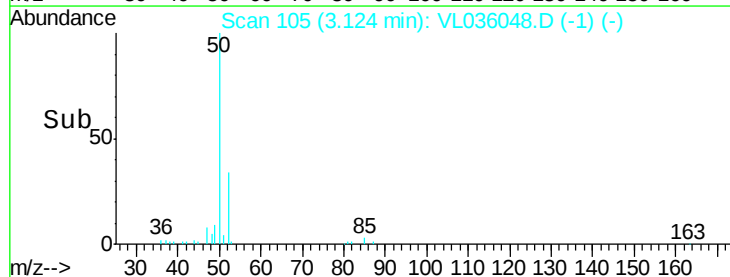
30000

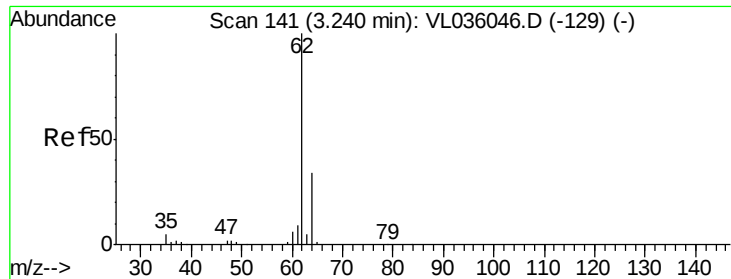
20000

10000

0

Time-->





#5

Vinyl Chloride

Concen: 0.988 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 91679

Ion Ratio Lower Upper

62 100

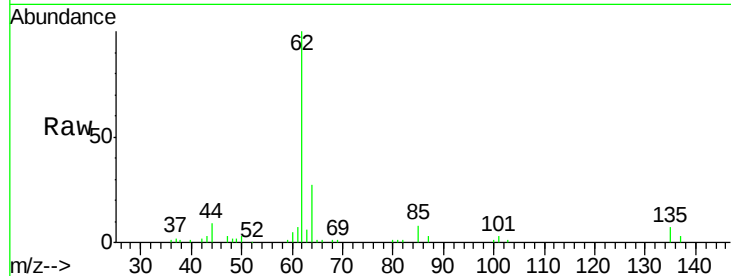
64 27.1 26.8 40.2

Manual Integrations

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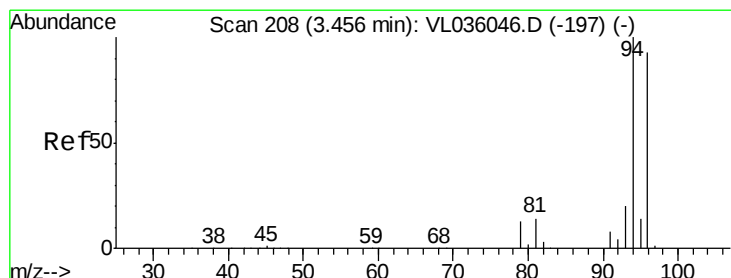
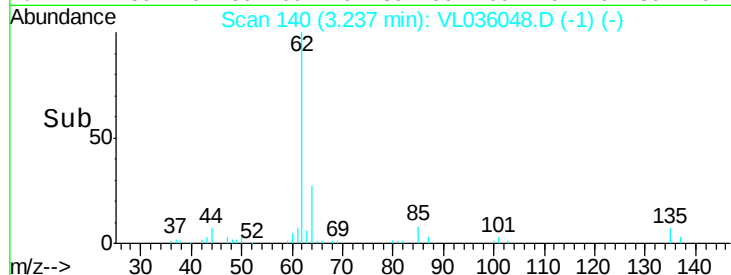
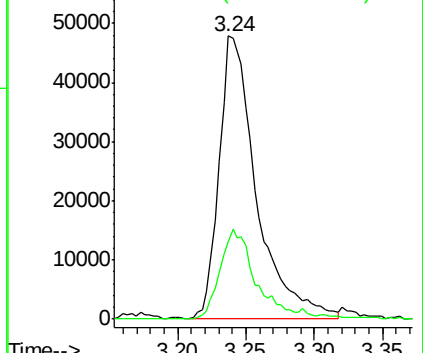
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.925 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036048.D

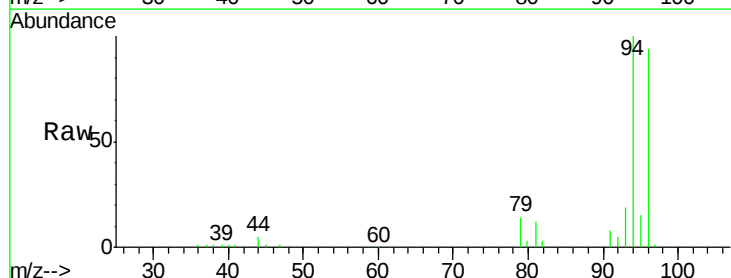
Acq: 3 Dec 2020 11:06

Tgt Ion: 94 Resp: 68985

Ion Ratio Lower Upper

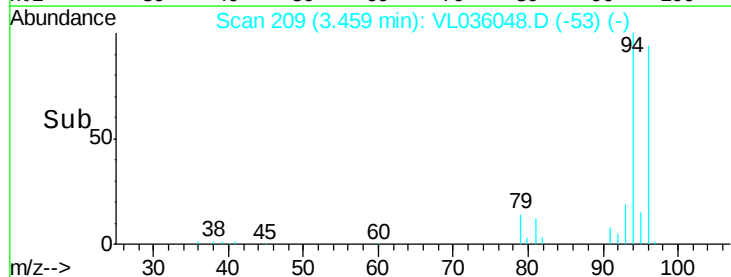
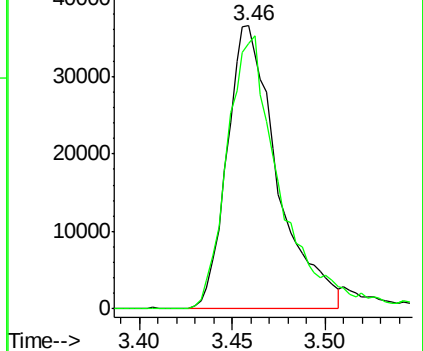
94 100

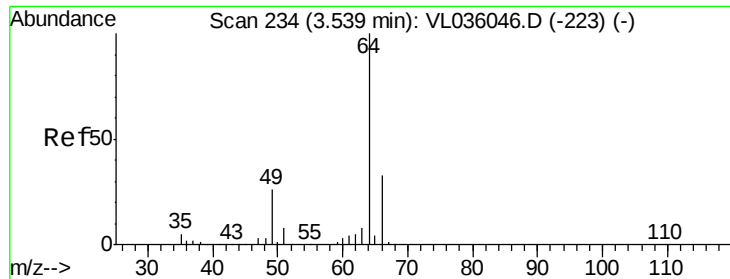
96 93.7 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.977 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

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VSTDIC001

Tot Ion: 64 Resp: 31891

Ion Ratio Lower Upper

64 100

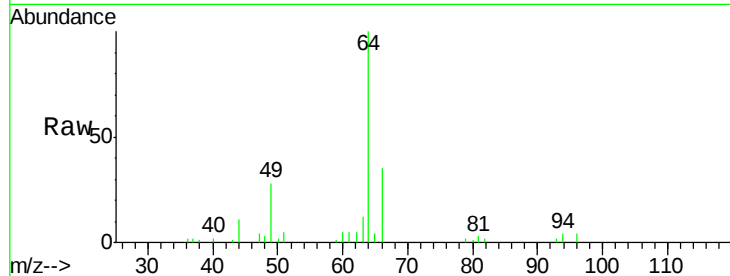
66 35.5 26.1 39.1

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

20000

15000

10000

5000

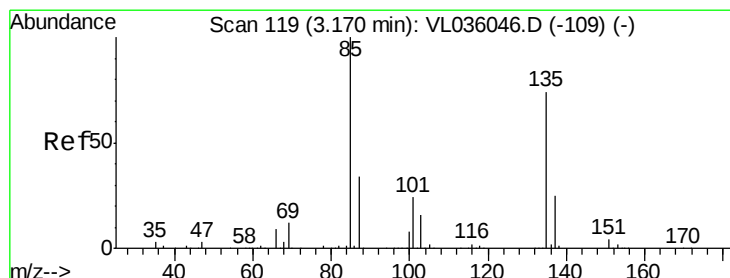
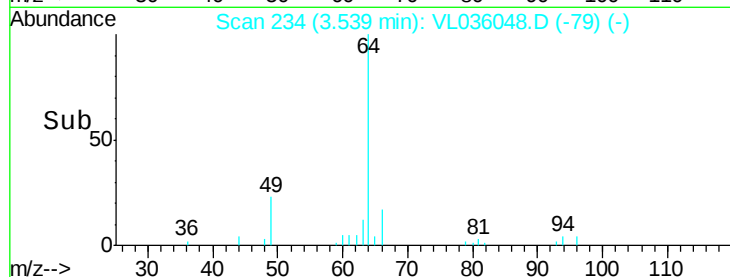
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Time-->

3.50

3.55

3.60



#8

Dichlorotetrafluoroethane

Concen: 0.994 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036048.D

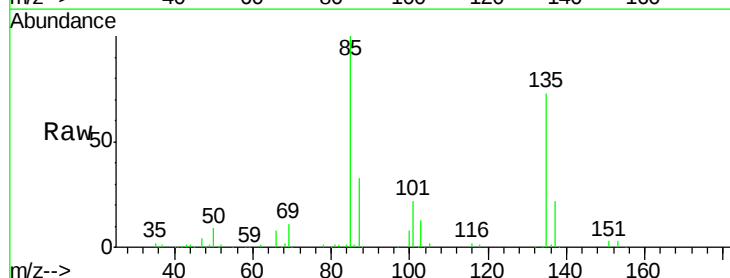
Acq: 3 Dec 2020 11:06

Tgt Ion: 85 Resp: 267937

Ion Ratio Lower Upper

85 100

135 77.2 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

200000

150000

100000

50000

0

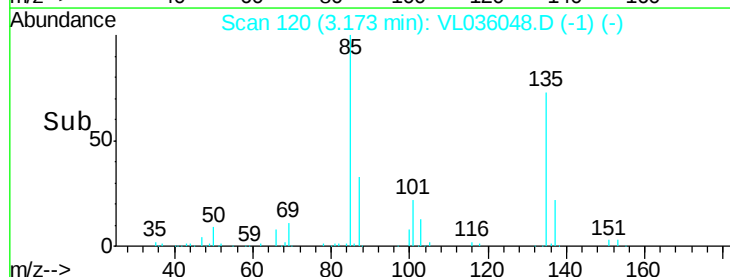
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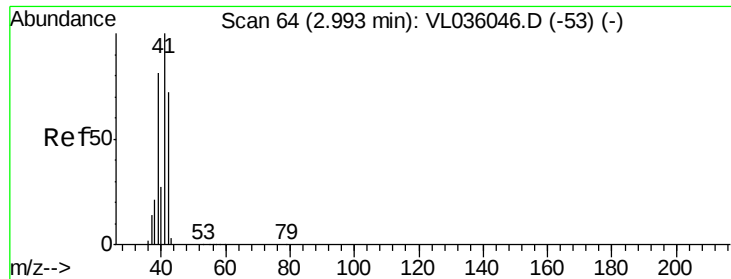
3.10

3.15

3.20

3.25





#9

Propene

Concen: 0.902 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 49467

Ion Ratio Lower Upper

41 100

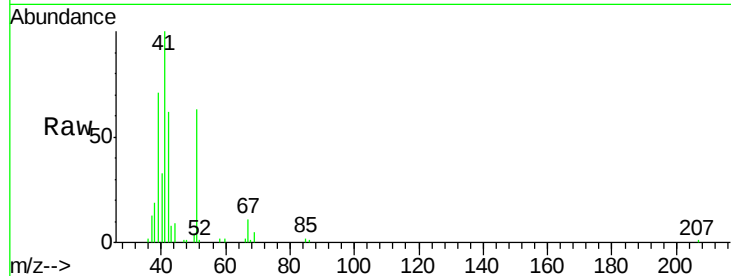
42 73.4 56.9 85.3

Manual Integrations

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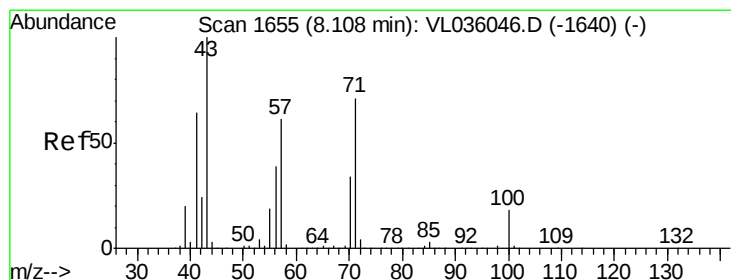
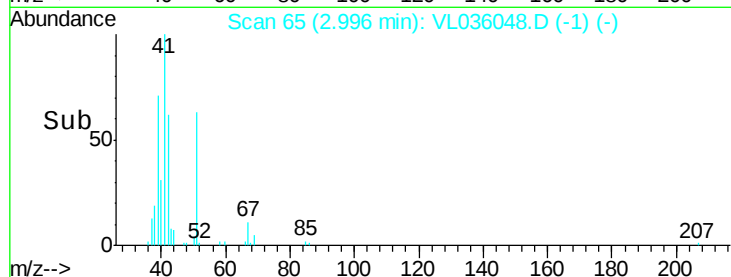
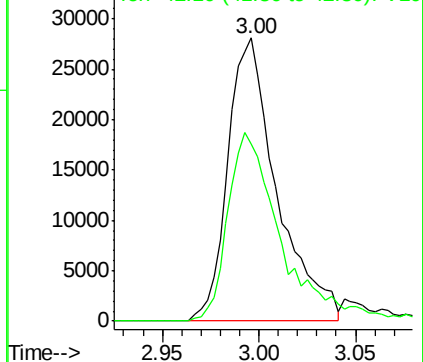
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.865 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VL036048.D

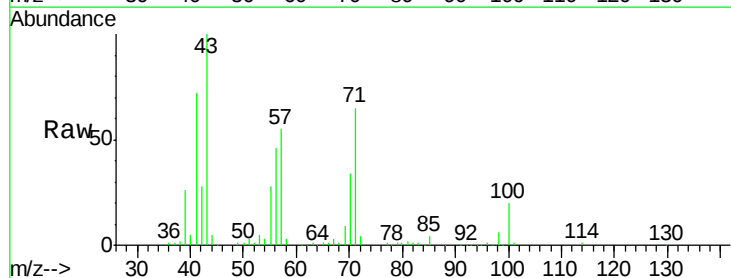
Acq: 3 Dec 2020 11:06

Tgt Ion: 43 Resp: 131036

Ion Ratio Lower Upper

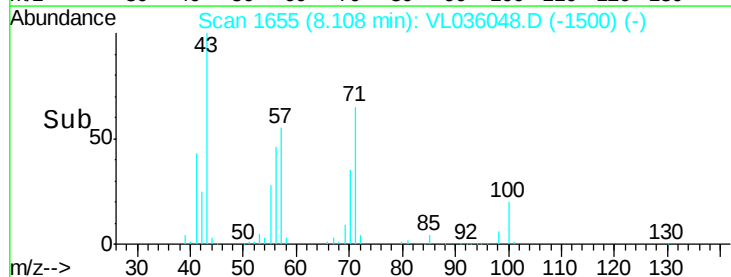
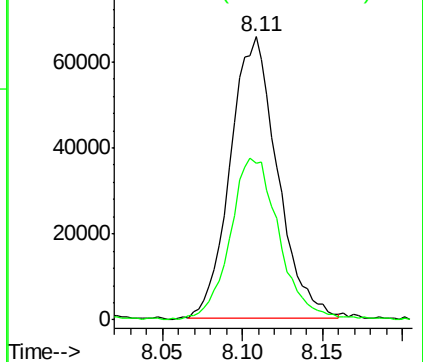
43 100

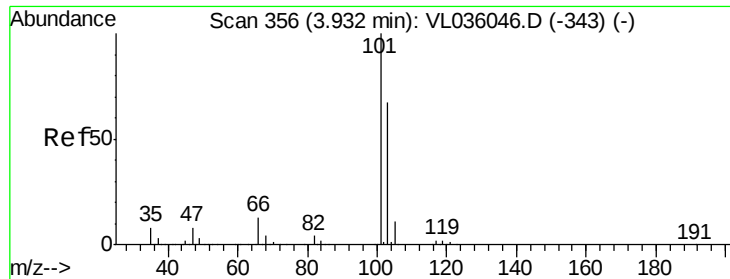
57 60.9 49.2 73.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





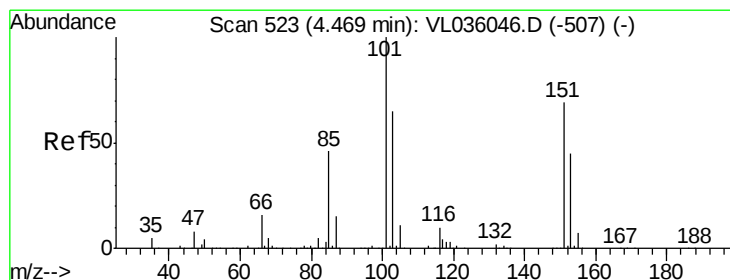
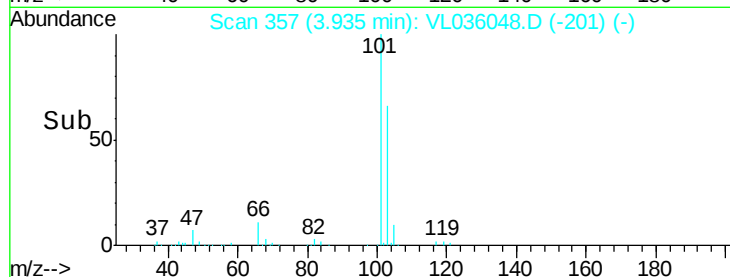
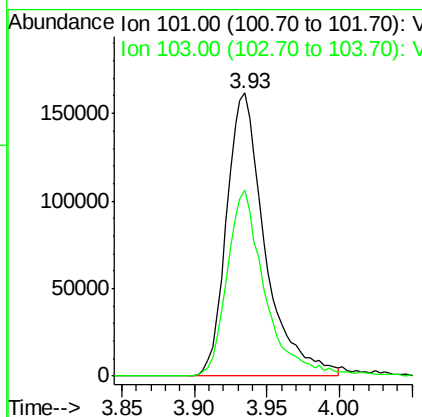
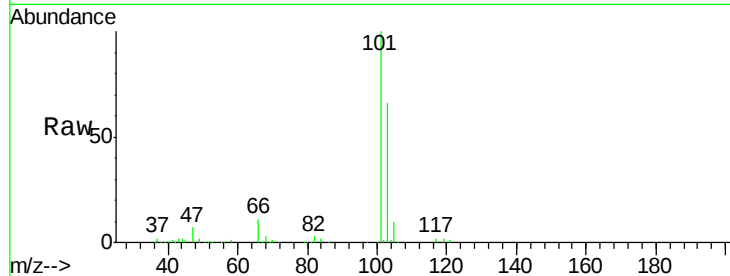
#11
 Trichlorofluoromethane
 Concen: 1.008 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.2	79.8

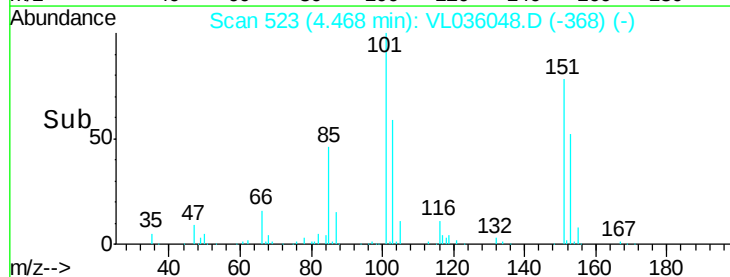
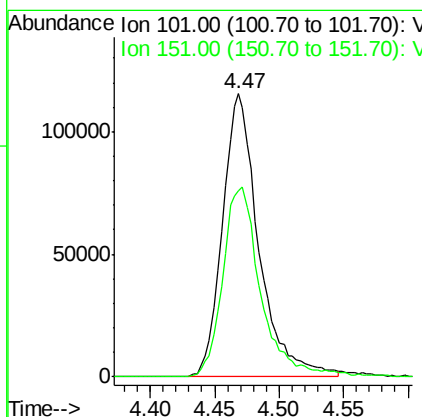
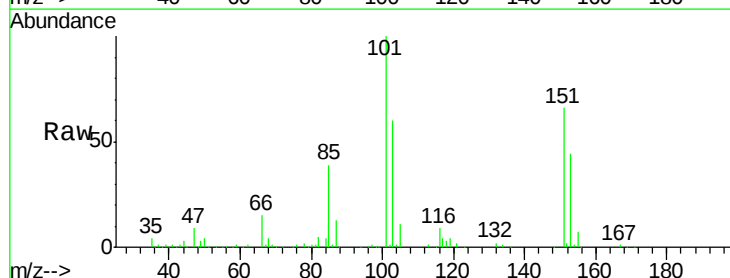
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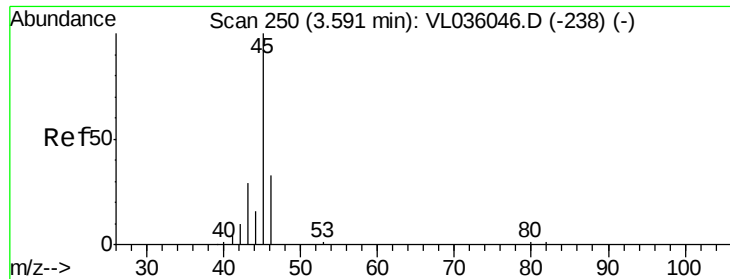
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.025 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
101	100		
151	70.7	56.1	84.1





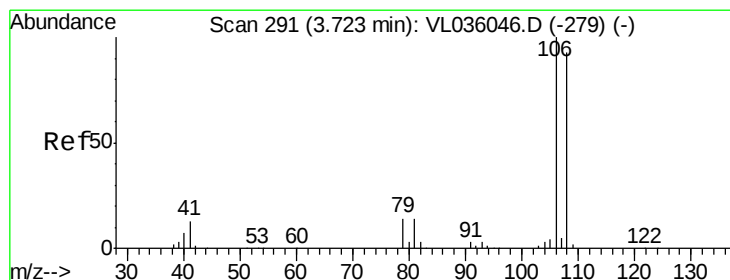
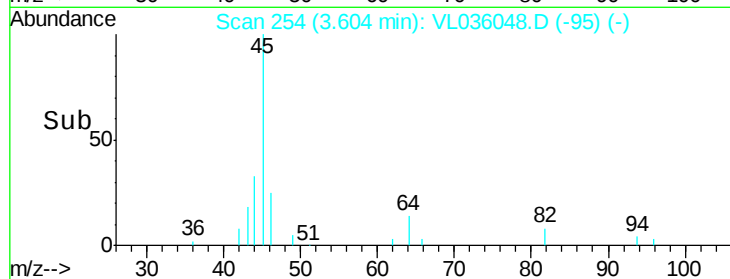
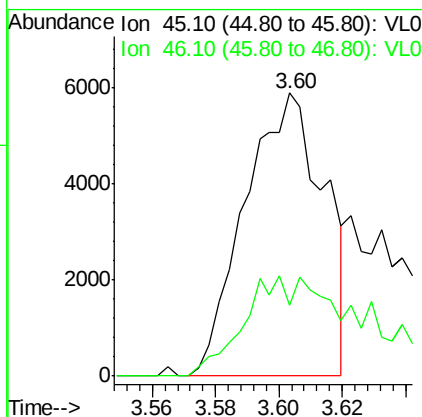
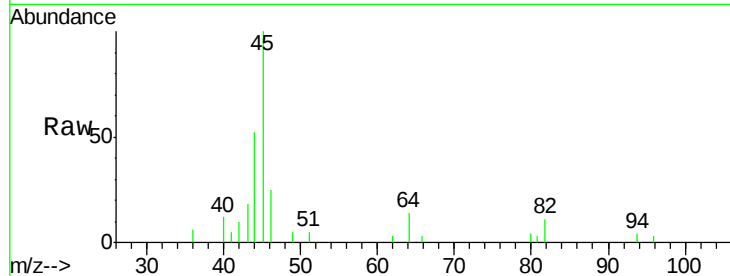
#13
Ethanol
Concen: 0.869 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 10329
Ion Ratio Lower Upper
45 100
46 0.0 16.0 64.2#

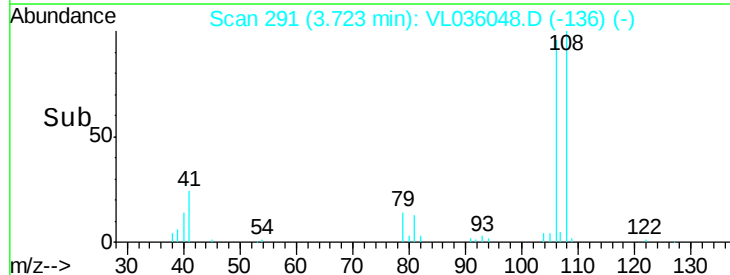
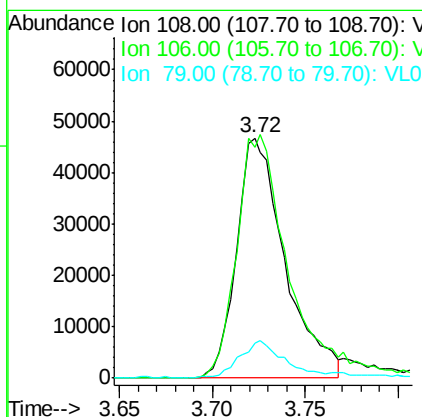
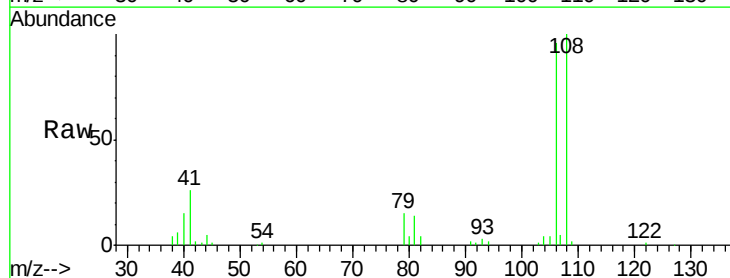
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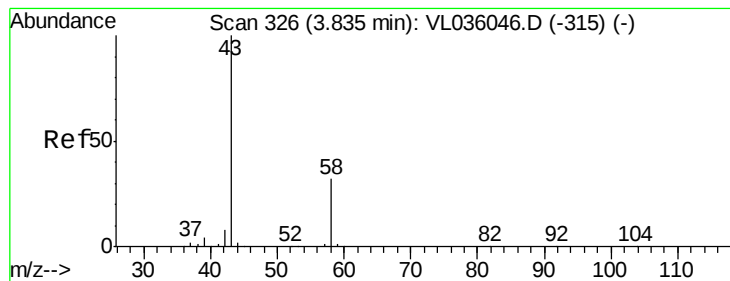
MMDadoda
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#14
Bromoethene
Concen: 0.839 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 108 Resp: 84959
Ion Ratio Lower Upper
108 100
106 112.4 85.0 127.4
79 16.6 11.9 17.9





#15

Acetone

Concen: 1.110 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 148467

Ion Ratio Lower Upper

43 100

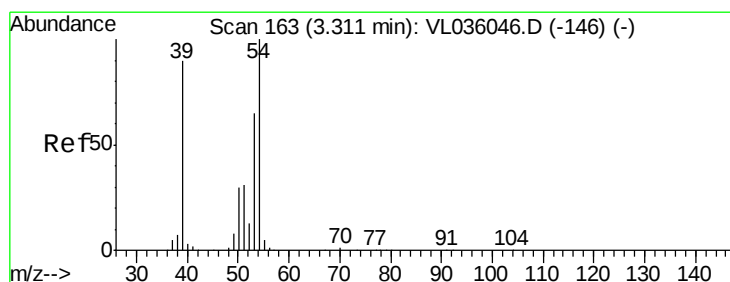
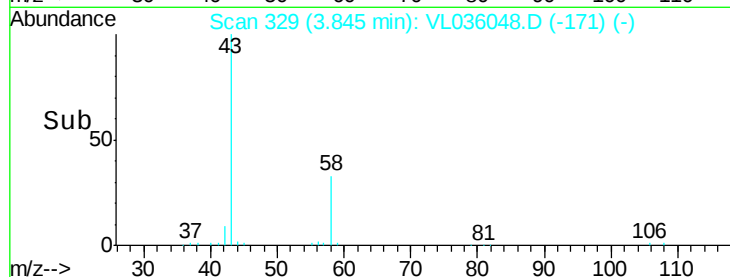
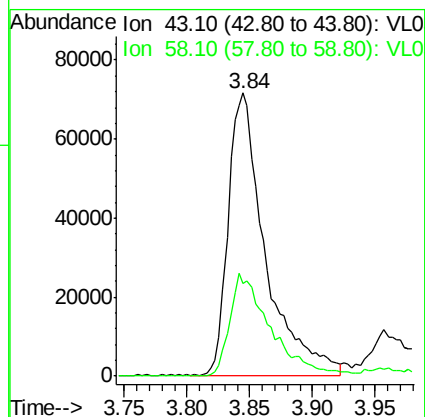
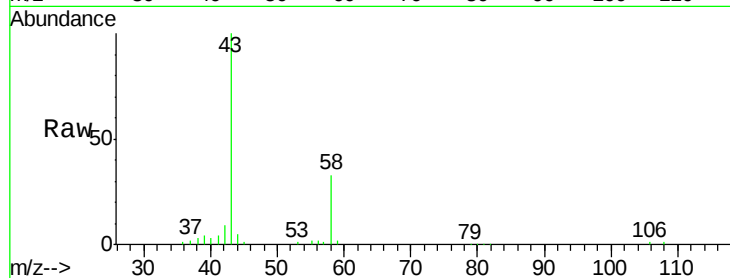
58 39.2 27.0 40.6

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#16

1,3-Butadiene

Concen: 0.977 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL036048.D

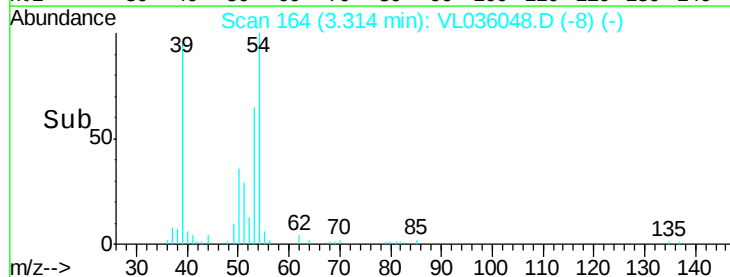
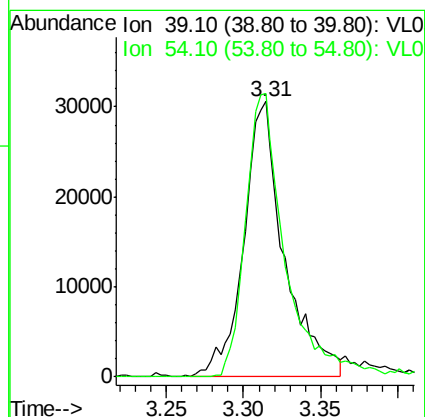
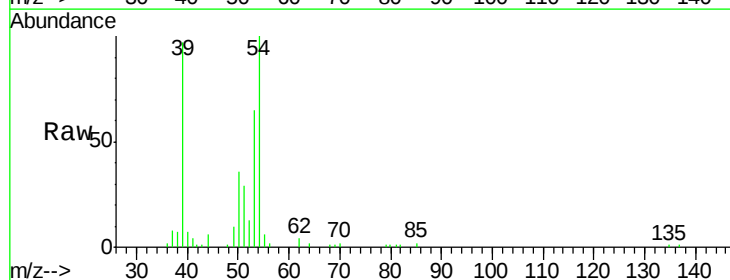
Acq: 3 Dec 2020 11:06

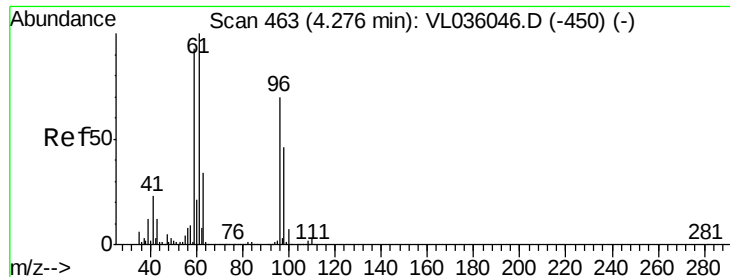
Tgt Ion: 39 Resp: 56238

Ion Ratio Lower Upper

39 100

54 101.8 86.1 129.1





#17

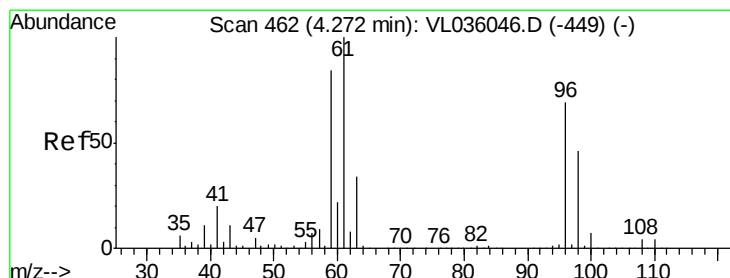
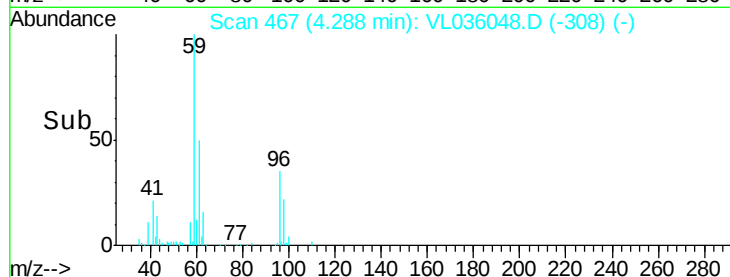
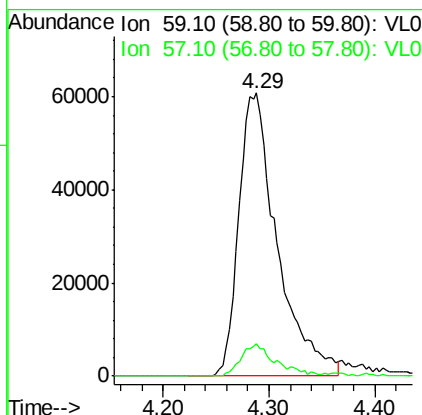
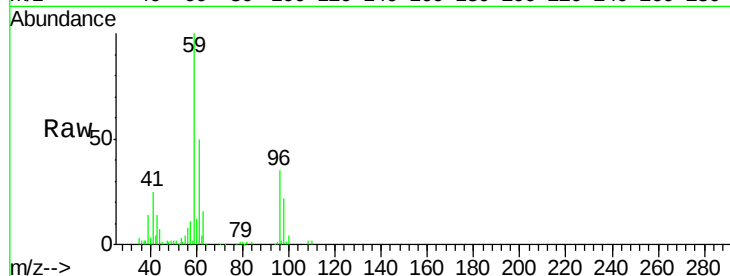
tert-Butyl alcohol
Concen: 0.861 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 152644
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

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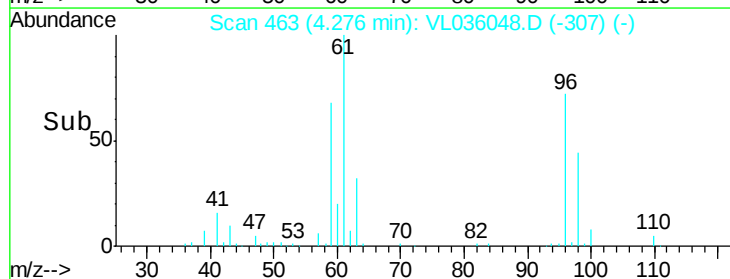
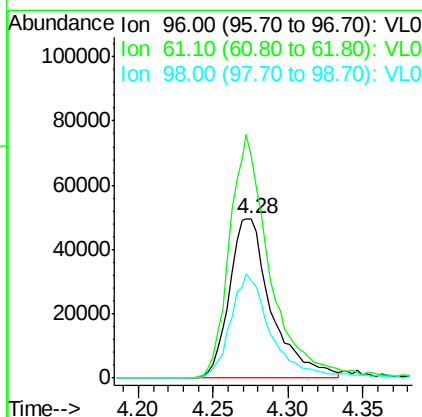
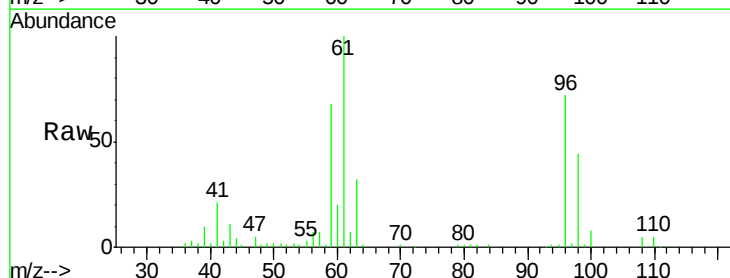
MMDadoda
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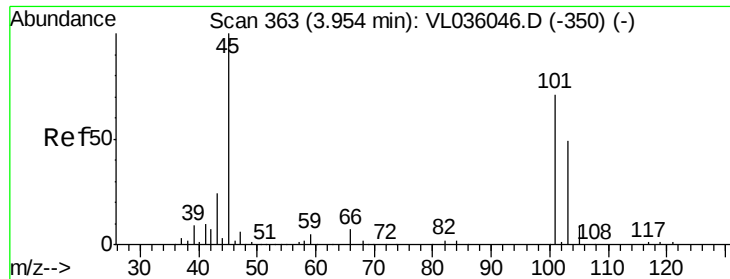


#18

1,1-Dichloroethene
Concen: 0.959 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 96 Resp: 96934
Ion Ratio Lower Upper
96 100
61 138.7 115.8 173.6
98 61.5 53.1 79.7





#19

Isopropyl Alcohol

Concen: 0.924 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 75912

Ion Ratio Lower Upper

45 100

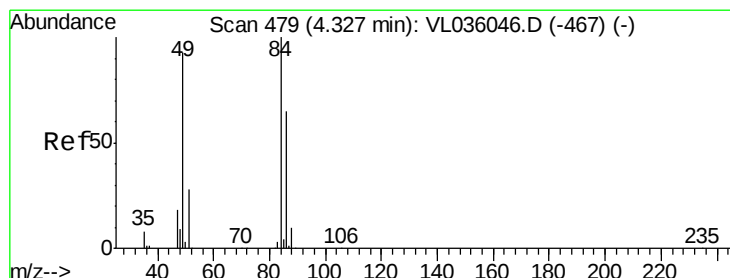
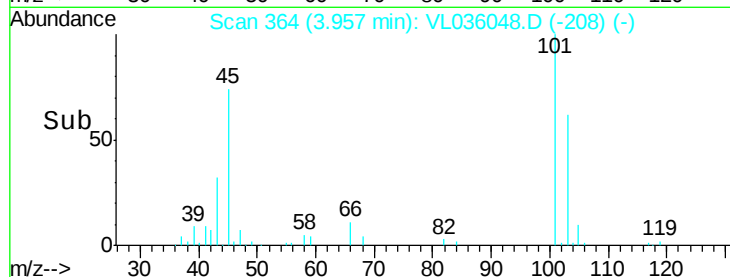
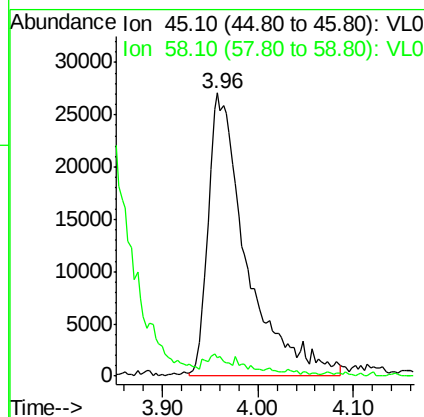
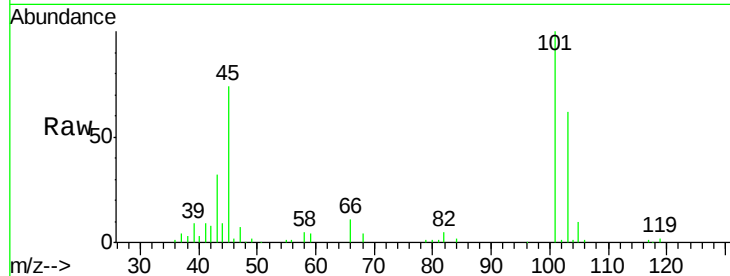
58 7.9 3.4 5.0#

Manual Integrations

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#20

Methylene Chloride

Concen: 1.340 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion: 84 Resp: 126104

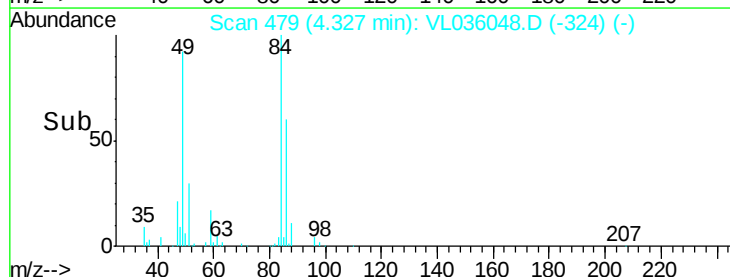
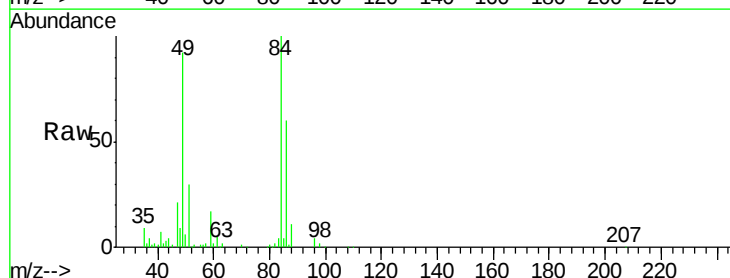
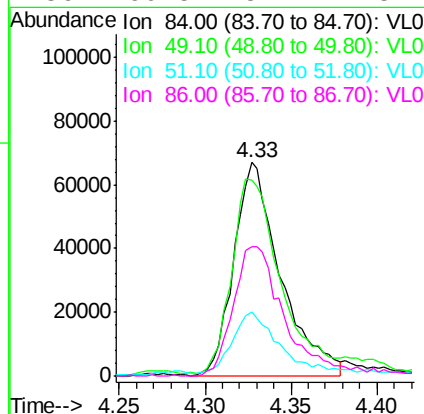
Ion Ratio Lower Upper

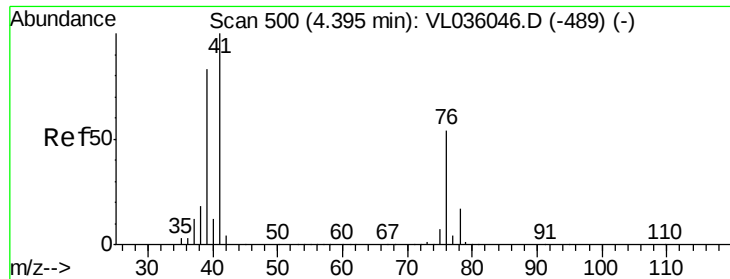
84 100

49 90.6 74.4 111.6

51 28.4 22.5 33.7

86 60.5 52.2 78.2





#21

Allvl Chloride

Concen: 0.895 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

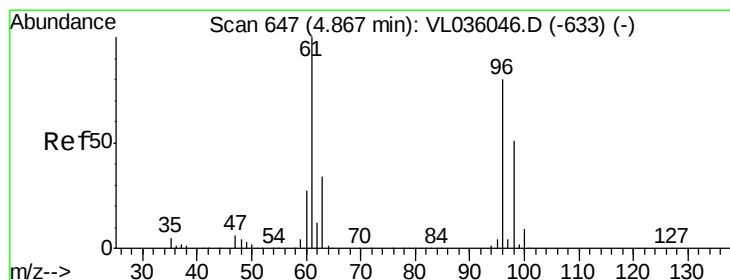
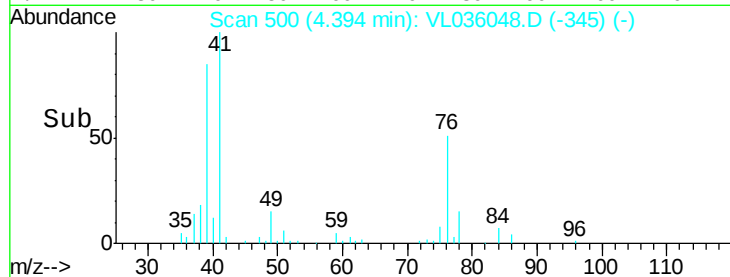
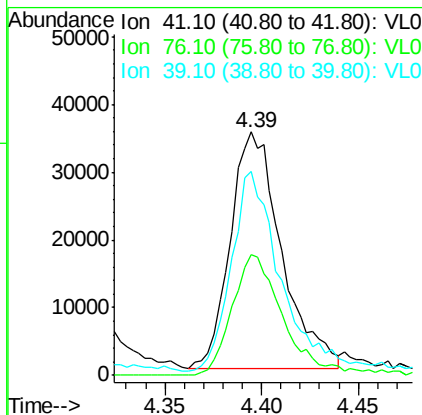
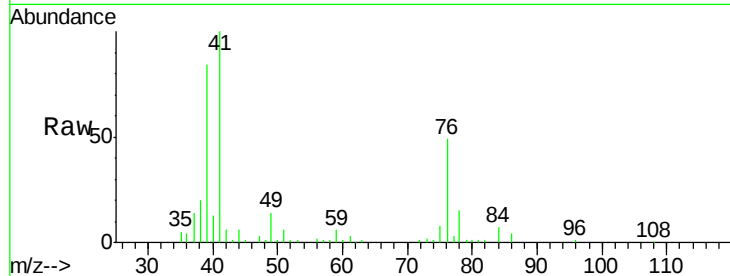
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	64719
Ion	Ratio	Lower	Upper
41	100		
76	50.0	42.4	63.6
39	88.1	69.0	103.6

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#22

trans-1,2-Dichloroethene

Concen: 0.921 ppbv

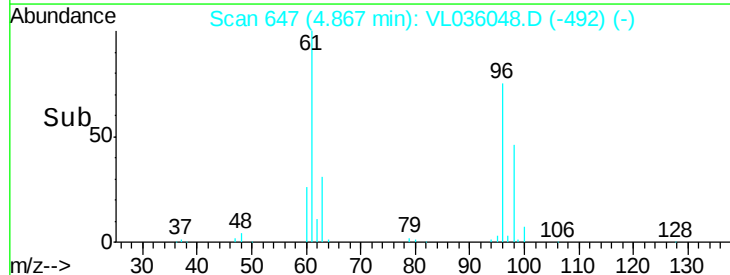
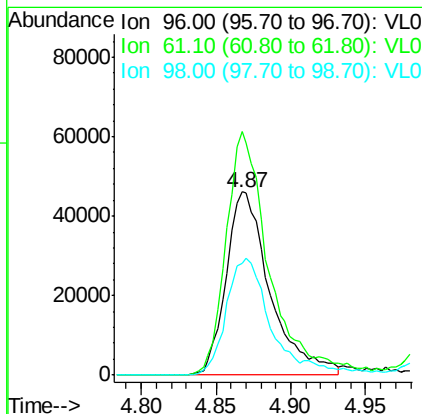
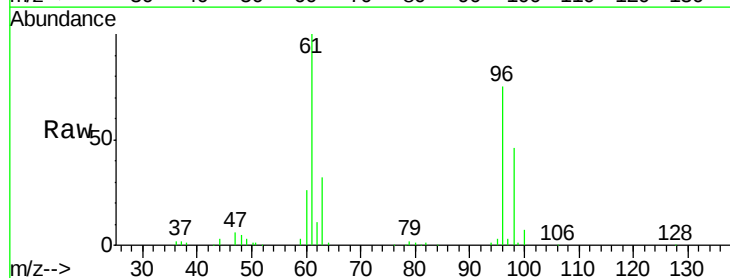
RT: 4.87 min Scan# 647

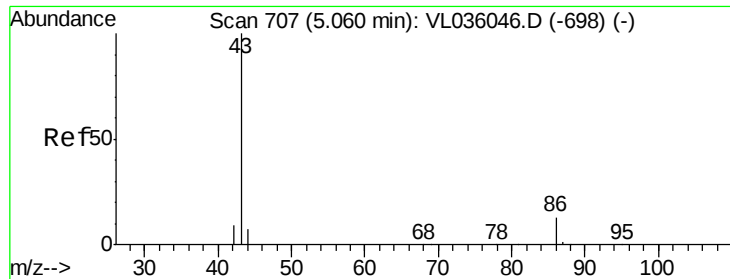
Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	96	Resp:	94336
Ion	Ratio	Lower	Upper
96	100		
61	132.7	99.8	149.6
98	61.2	51.1	76.7





#23

Vinyl Acetate

Concen: 0.682 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

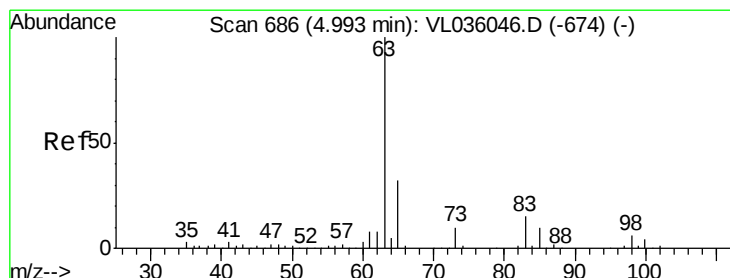
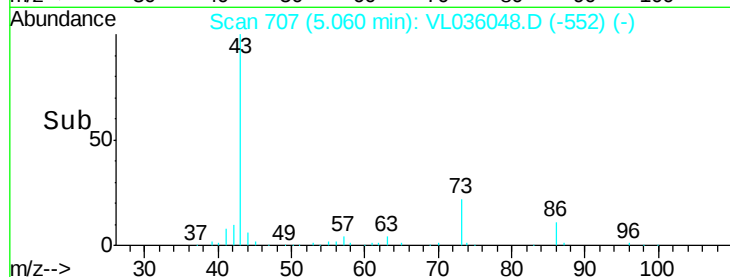
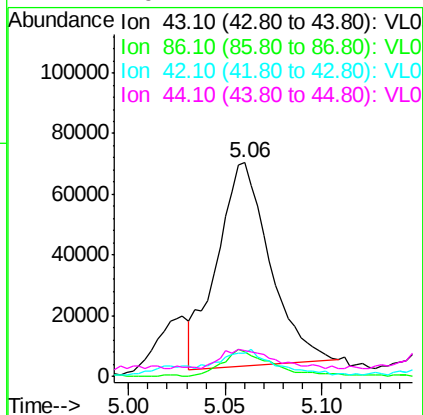
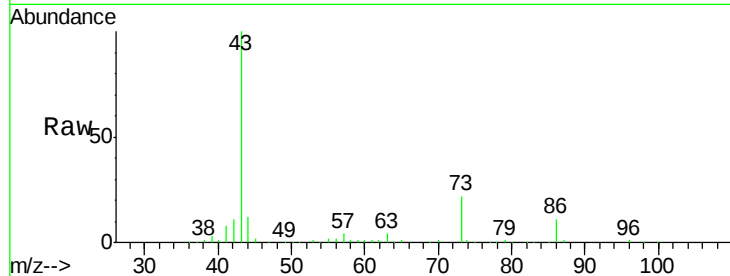
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	127828
Ion Ratio	Lower	Upper	
43	100		
86	12.0	9.3	13.9
42	10.9	8.1	12.1
44	9.1	4.7	7.1#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 1.009 ppbv

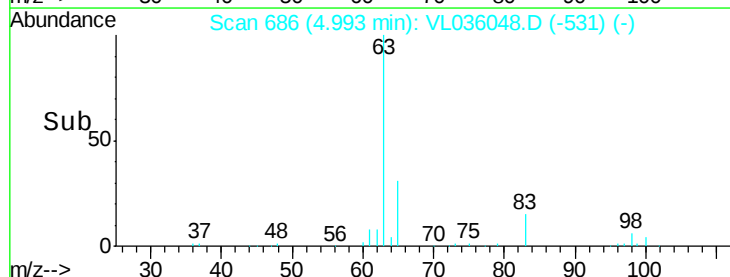
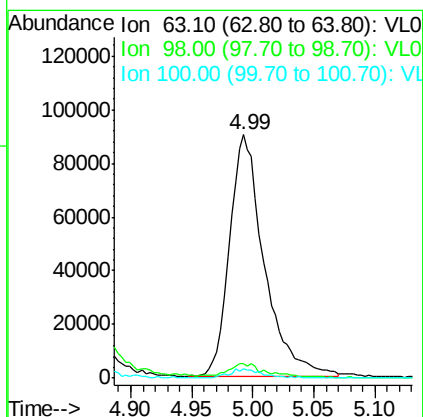
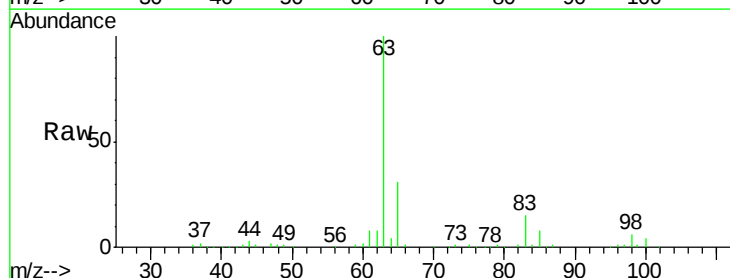
RT: 4.99 min Scan# 686

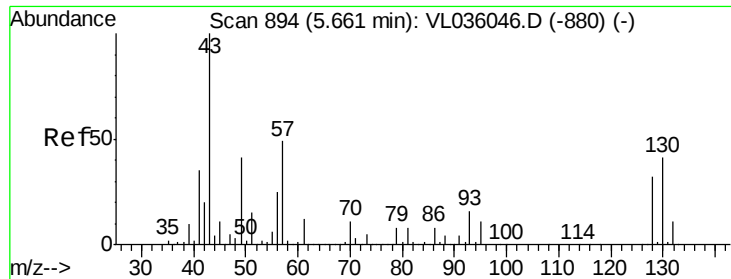
Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion	63	Resp	180133
Ion Ratio	Lower	Upper	
63	100		
98	5.6	3.1	9.3
100	3.8	1.9	5.7





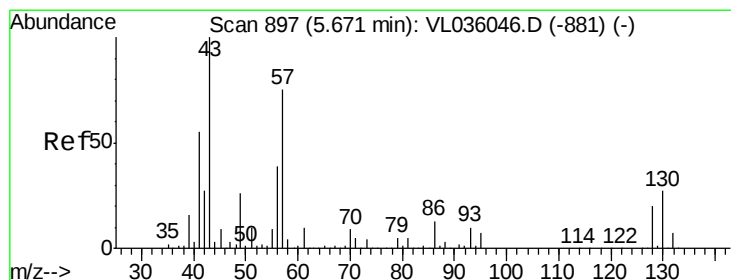
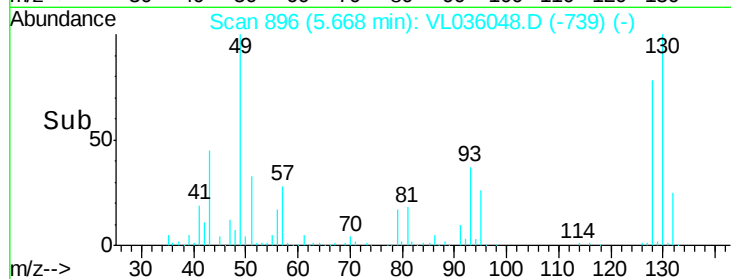
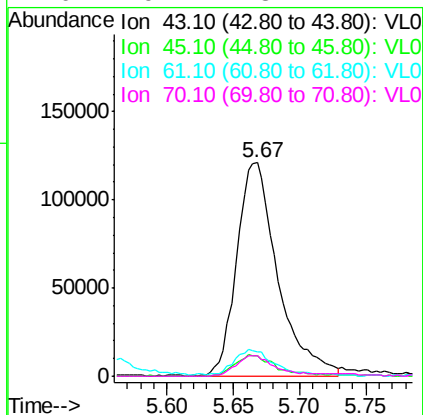
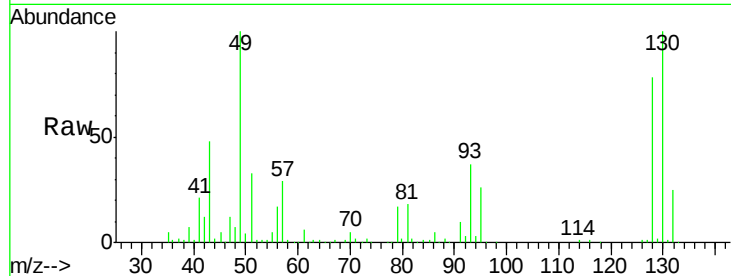
#25
Ethyl Acetate
Concen: 0.992 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	261375
Ion Ratio	Lower	Upper	
43	100		
45	10.7	8.6	13.0
61	12.8	10.6	16.0
70	9.4	8.1	12.1

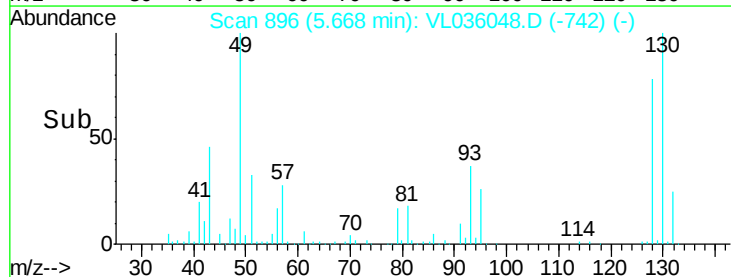
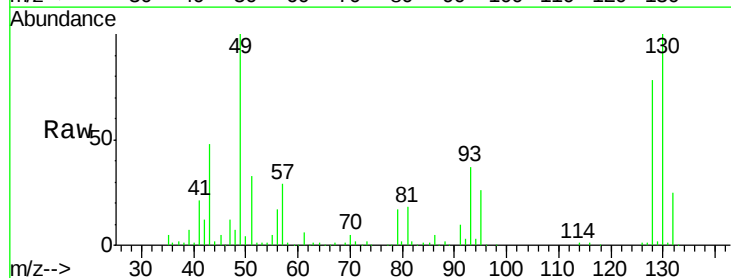
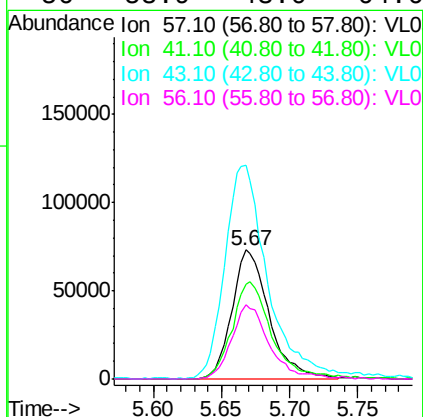
Manual Integrations
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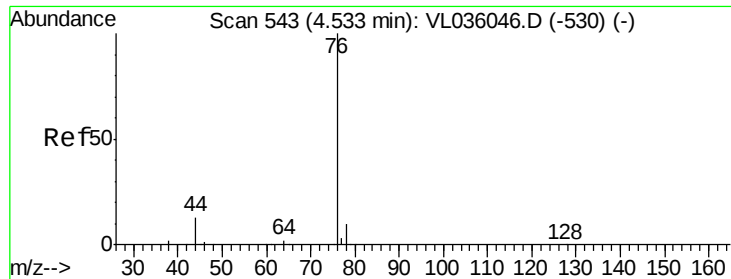
MMDadoda
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#26
Hexane
Concen: 0.956 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	57	Resp	138859
Ion Ratio	Lower	Upper	
57	100		
41	81.7	61.6	92.4
43	193.9	152.9	229.3
56	58.9	43.0	64.6





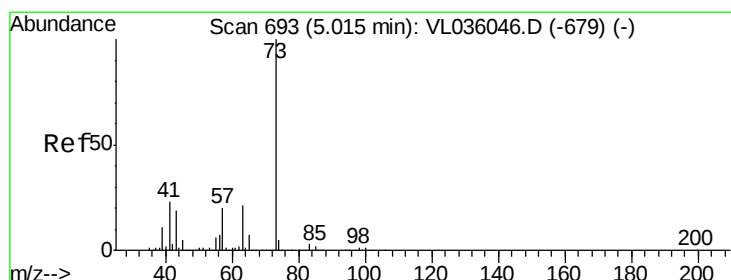
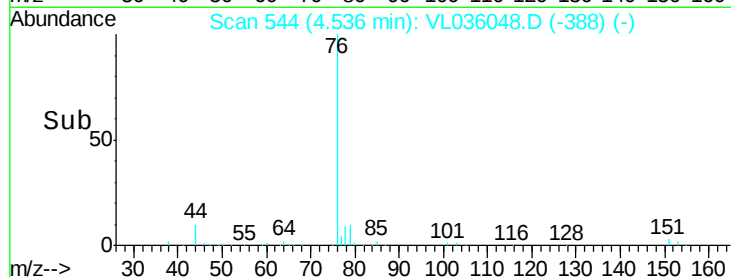
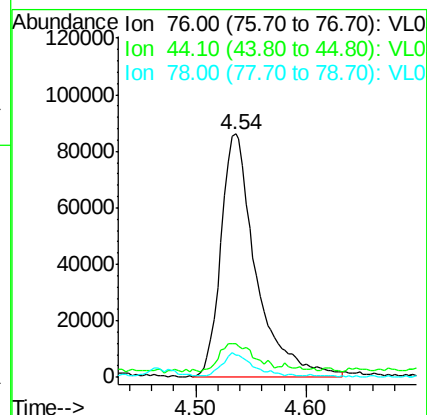
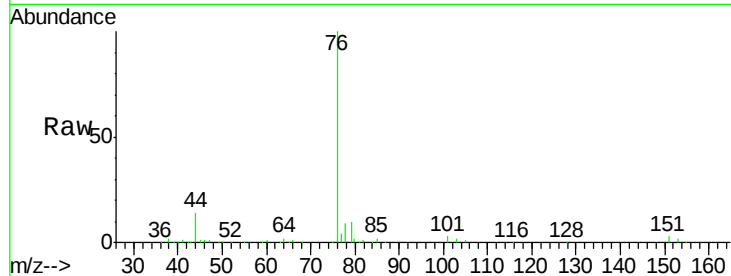
#27
Carbon Disulfide
Concen: 0.869 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	13.3	9.6	14.4
78	9.9	7.7	11.5

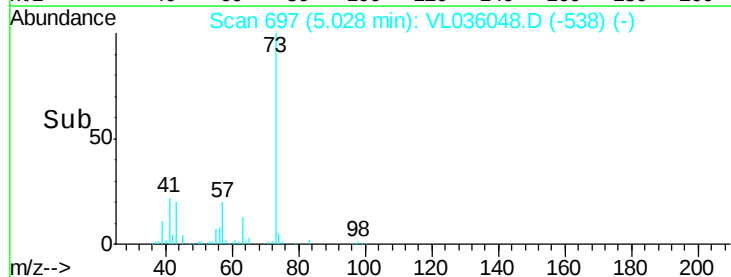
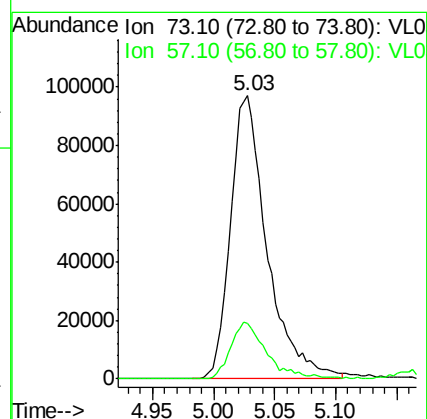
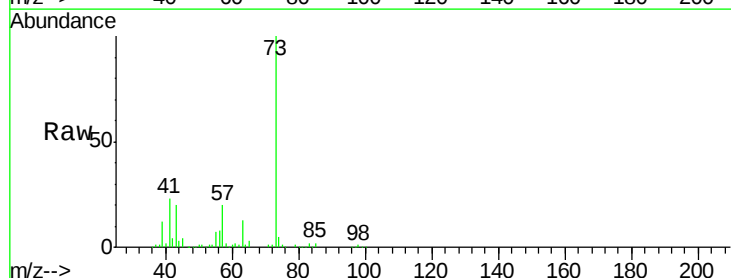
Manual Integrations
APPROVED

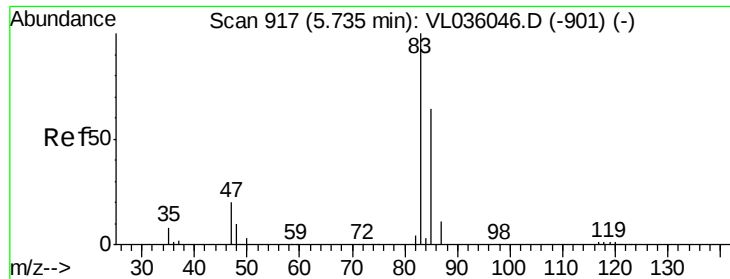
MMDadoda
12/7/2020 12:08:13 PM



#28
Methyl tert-Butyl Ether
Concen: 0.780 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.8	15.8	23.8





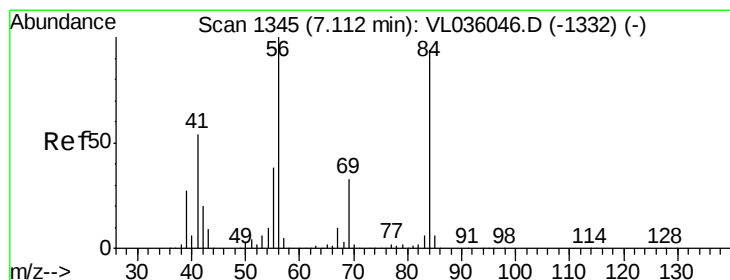
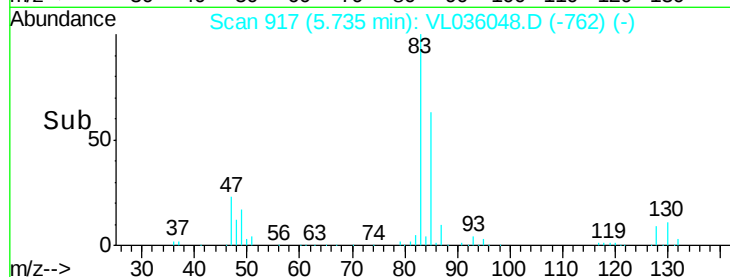
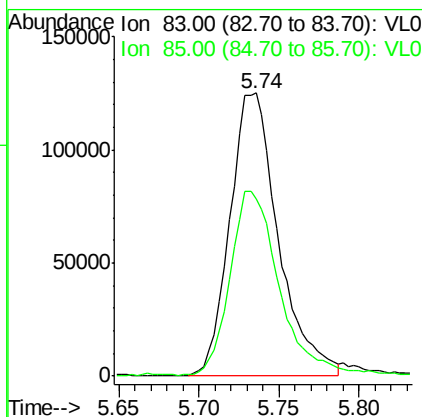
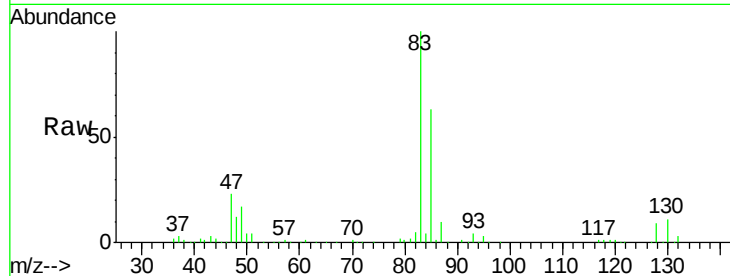
#29
Chloroform
Concen: 0.903 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	257958
Ion Ratio	100	Lower	Upper
85	62.2	51.6	77.4

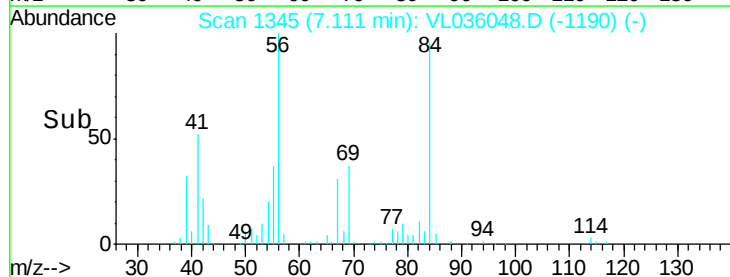
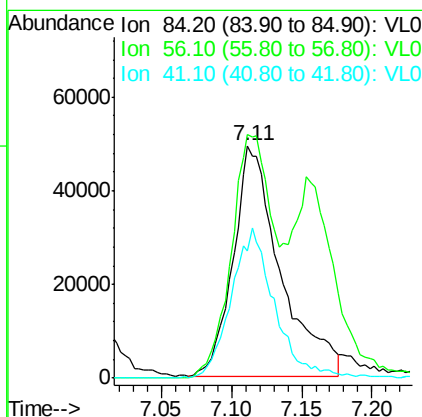
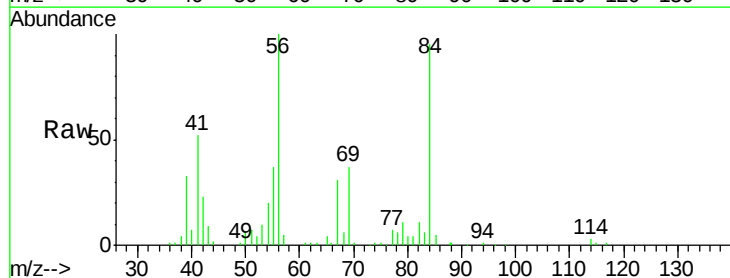
Manual Integrations
APPROVED

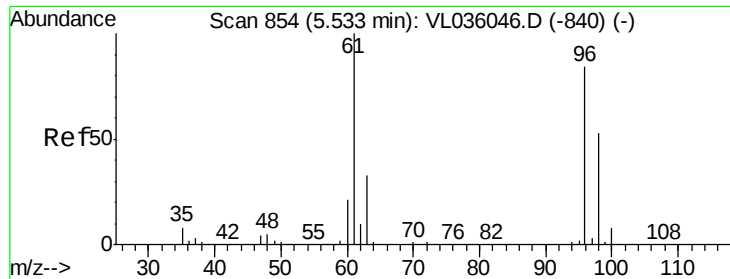
MMDadoda
12/7/2020 12:08:13 PM



#30
Cyclohexane
Concen: 0.731 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	84	Resp	115632
Ion Ratio	100	Lower	Upper
56	93.9	89.9	134.9
41	59.7	46.1	69.1





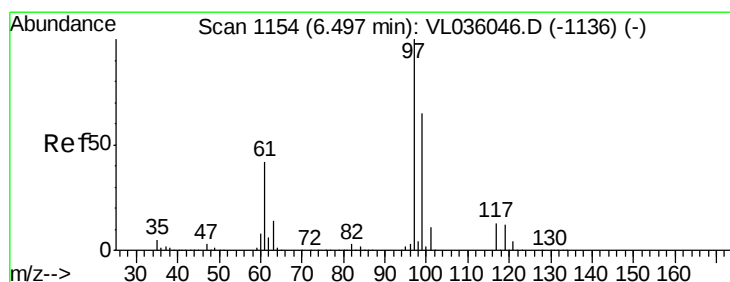
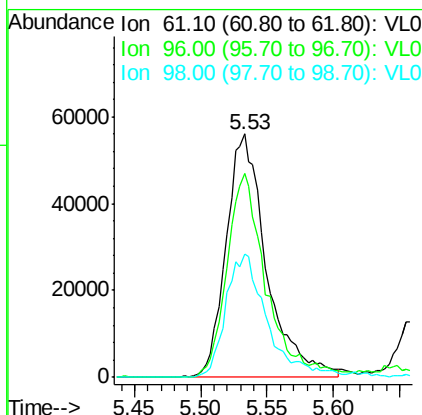
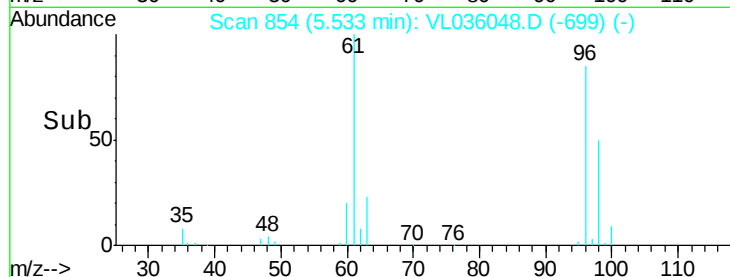
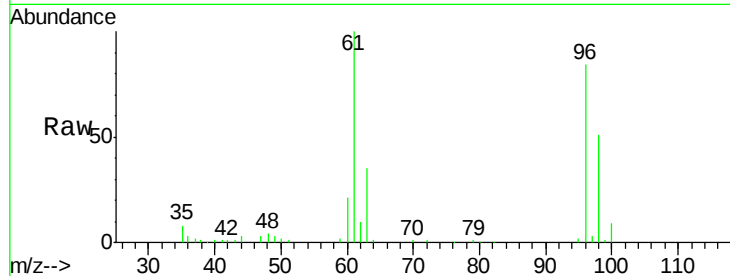
#31
 cis-1,2-Dichloroethene
 Concen: 0.795 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
61	100	118781		
96	83.6	66.8	100.2	
98	50.6	42.6	63.8	

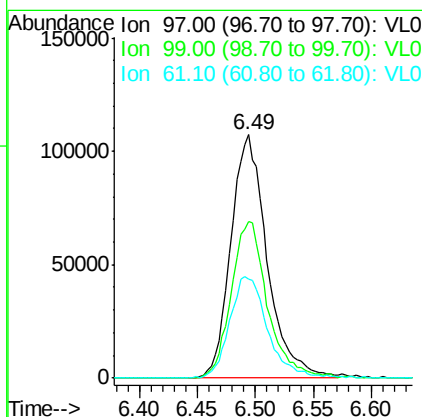
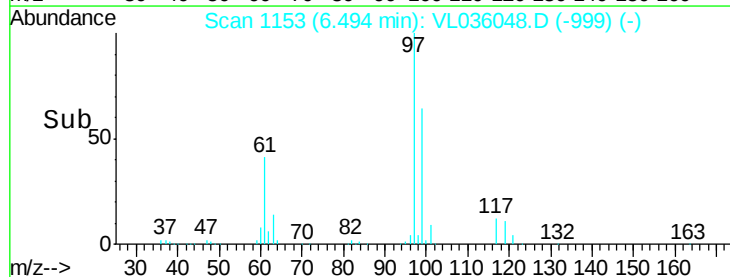
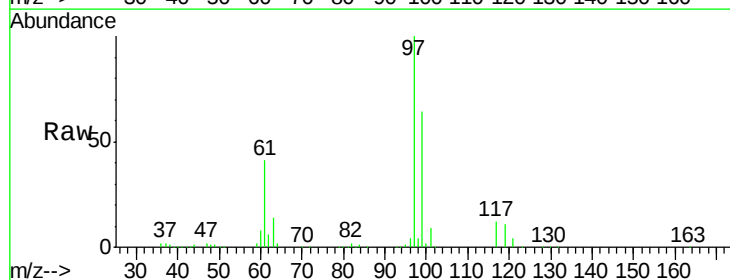
Manual Integrations
 APPROVED

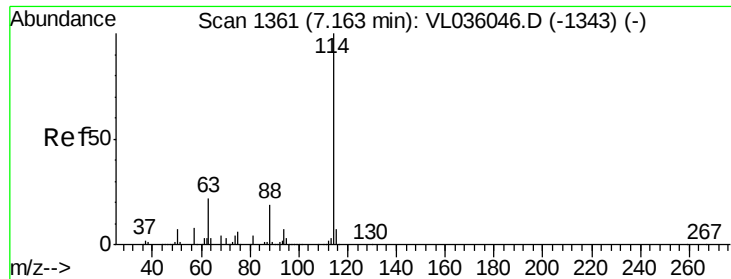
MMDadoda
 12/7/2020 12:08:13 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.778 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	231934		
99	65.0	52.4	78.6	
61	44.1	34.7	52.1	





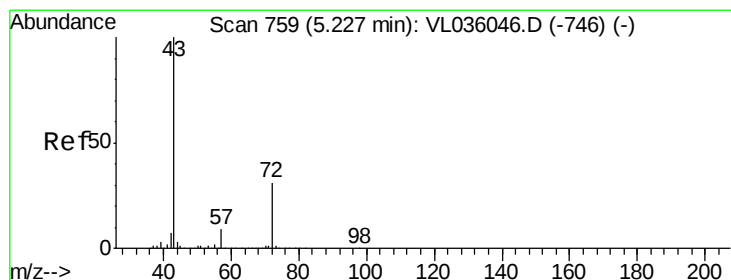
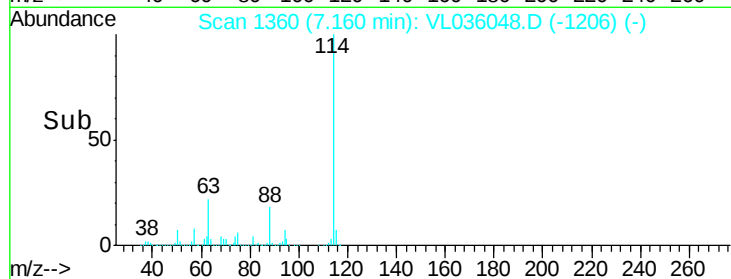
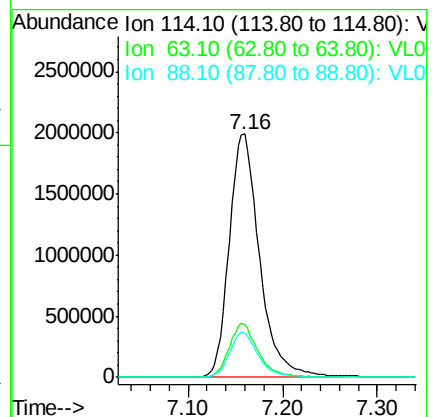
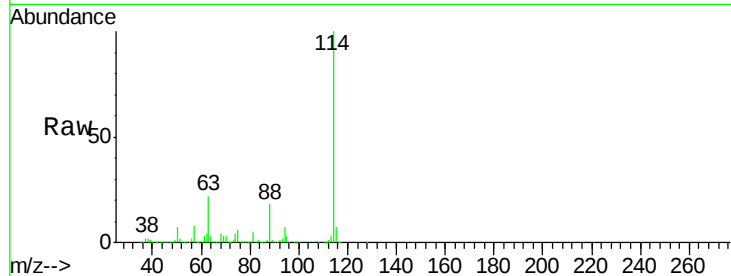
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 4434697
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.2 25.8
 88 17.6 14.0 21.0

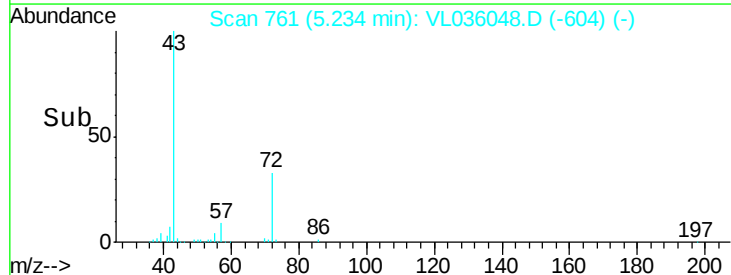
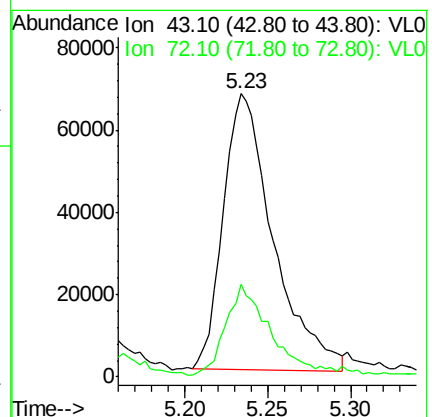
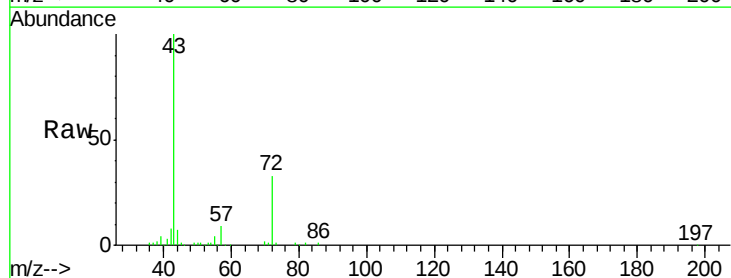
Manual Integrations
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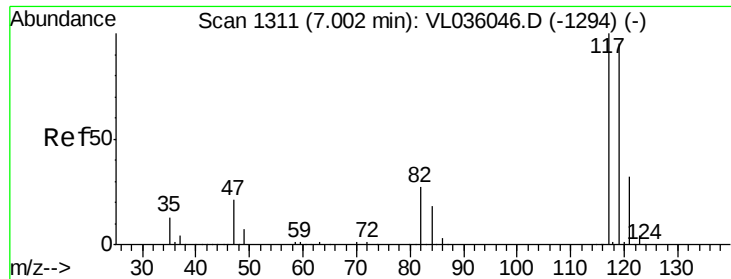
MMDadoda
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#34
 2-Butanone
 Concen: 0.973 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 43 Resp: 140055
 Ion Ratio Lower Upper
 43 100
 72 34.0 24.5 36.7





#35

Carbon Tetrachloride

Concen: 0.925 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

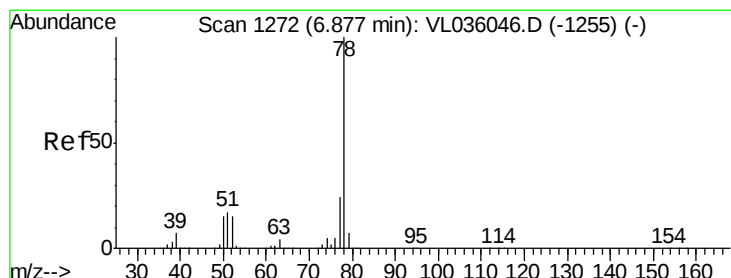
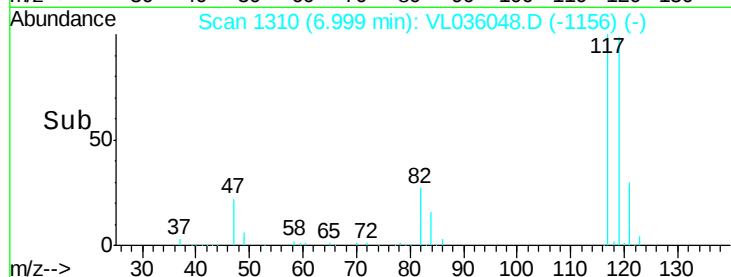
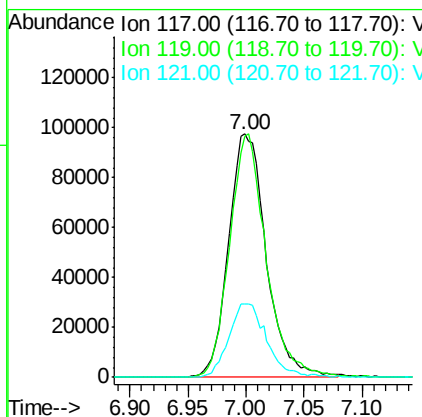
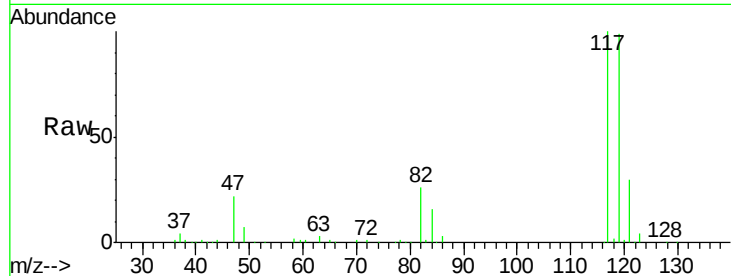
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	219237
Ion Ratio	Lower	Upper	
117	100		
119	99.4	75.9	113.9
121	30.0	25.8	38.8

Manual Integrations
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#36

Benzene

Concen: 0.875 ppbv

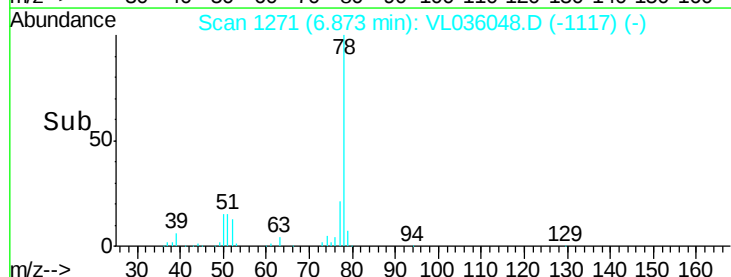
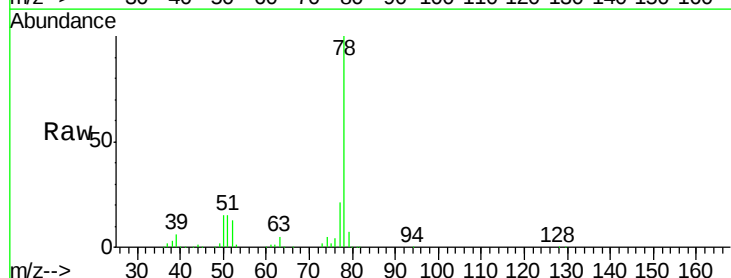
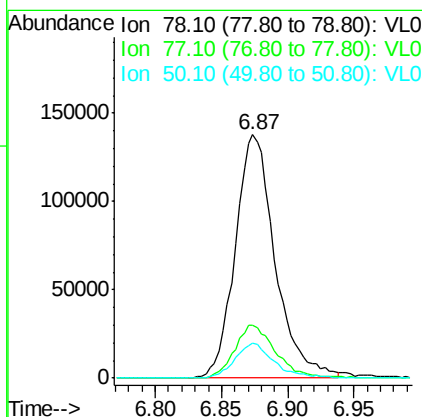
RT: 6.87 min Scan# 1271

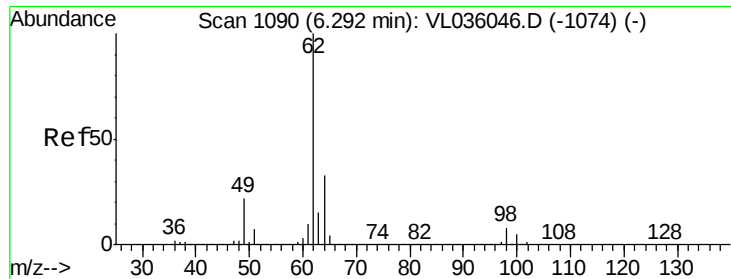
Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	78	Resp:	288326
Ion Ratio	Lower	Upper	
78	100		
77	21.5	19.1	28.7
50	14.6	12.0	18.0





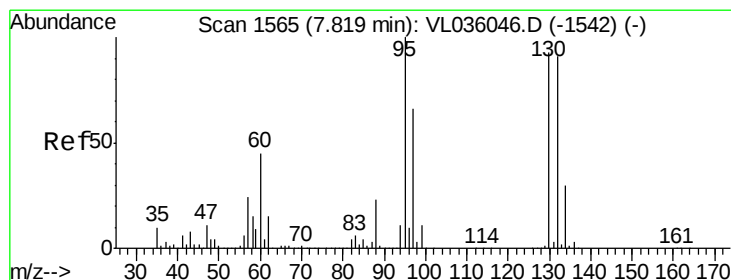
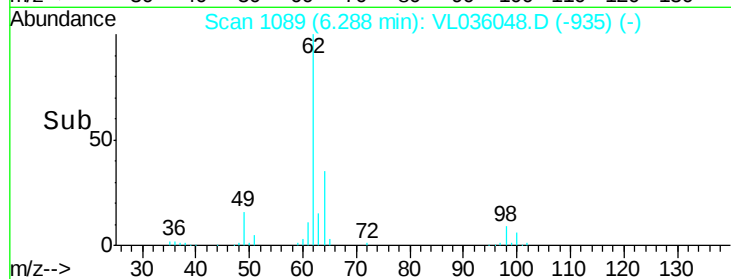
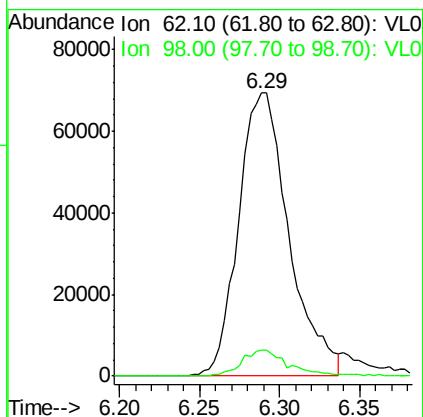
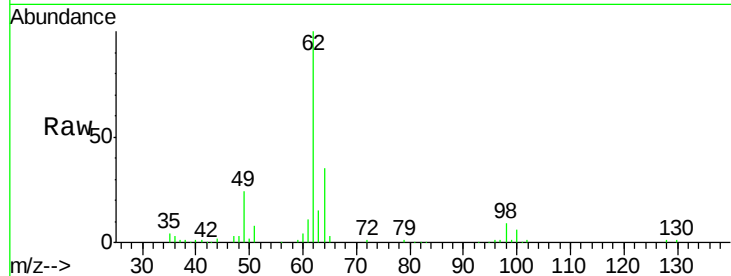
#37
 1,2-Dichloroethane
 Concen: 1.005 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	150076		
98	8.9	6.4	9.6	

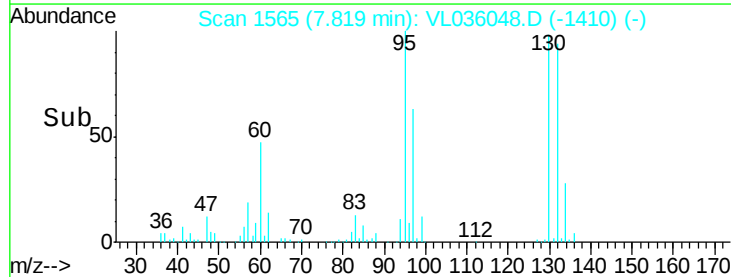
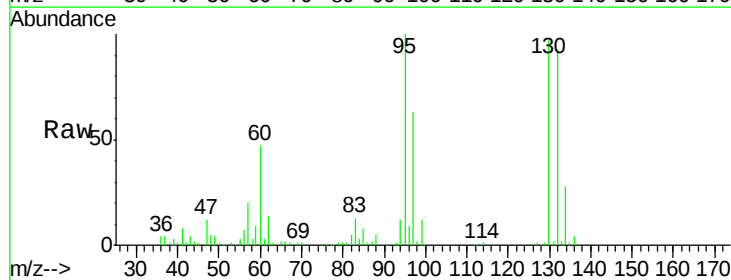
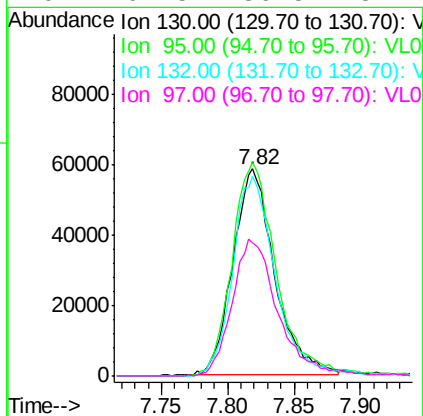
Manual Integrations
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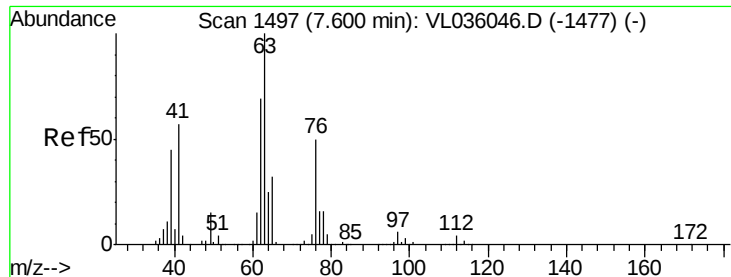
MMDadoda
 12/7/2020 12:08:13 PM



#38
 Trichloroethene
 Concen: 0.796 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	128226		
95	103.4	86.1	129.1	
132	96.7	78.6	118.0	
97	64.5	56.5	84.7	





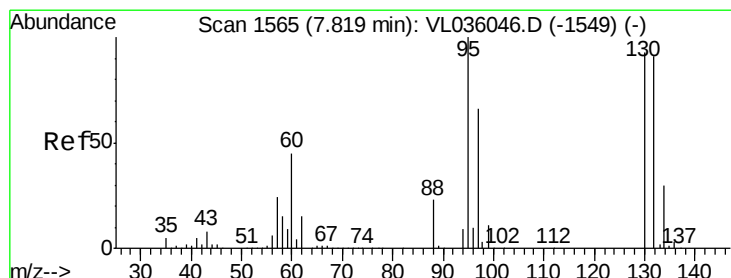
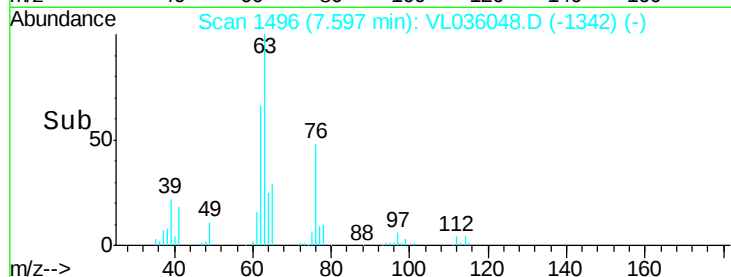
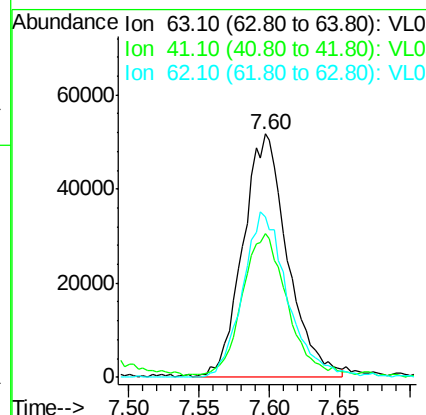
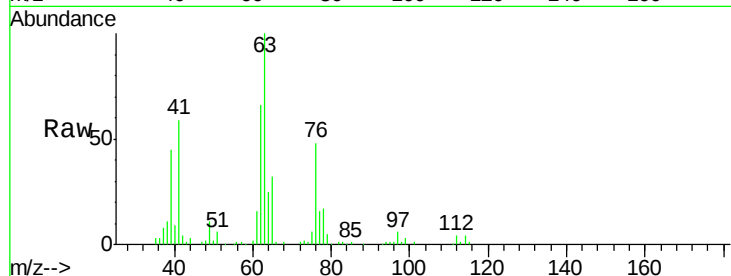
#39
 1,2-Dichloropropane
 Concen: 1.034 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	58.0	45.4	68.0
62	65.9	55.3	82.9

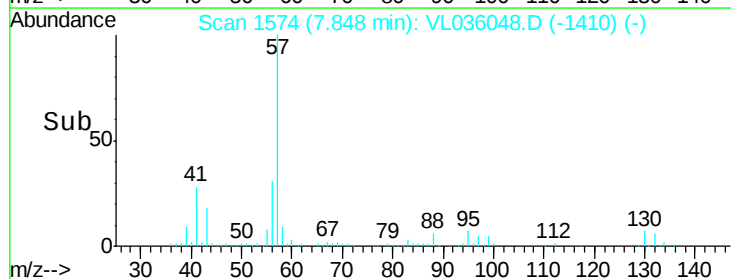
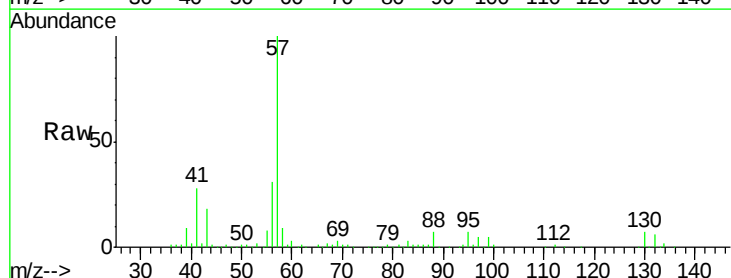
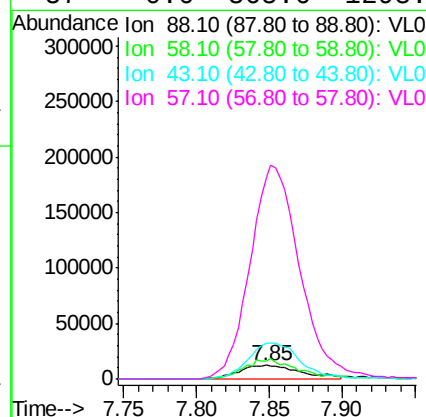
Manual Integrations
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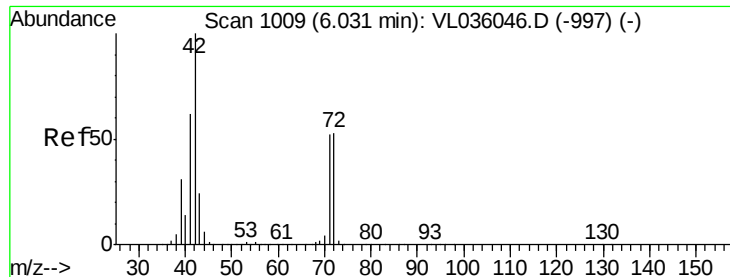
MMDadoda
 12/7/2020 12:08:13 PM



#40
 1,4-Dioxane
 Concen: 0.690 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.03 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	91.0	136.6#
43	0.0	163.3	244.9#
57	0.0	865.6	1298.4#





#41

Tetrahydrofuran

Concen: 0.855 ppbv m

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

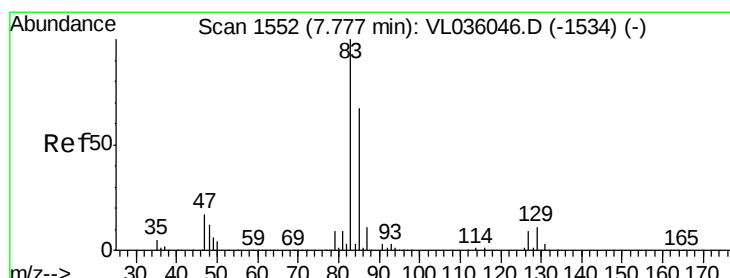
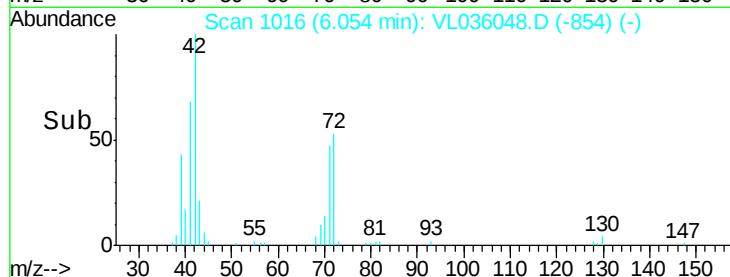
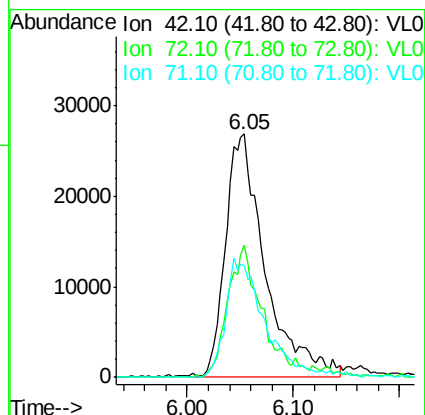
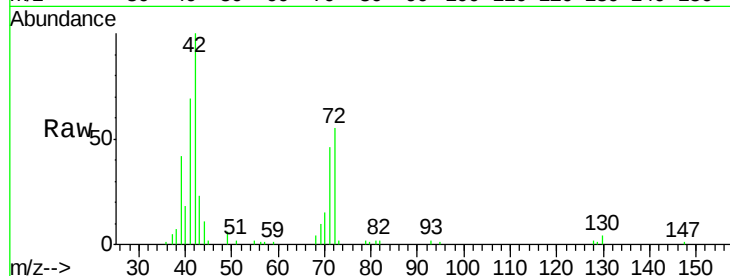
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	69952
Ion Ratio	Lower	Upper	
42	100		
72	50.5	42.7	64.1
71	48.0	41.0	61.4

Manual Integrations
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12/7/2020 12:08:13 PM



#42

Bromodichloromethane

Concen: 0.931 ppbv

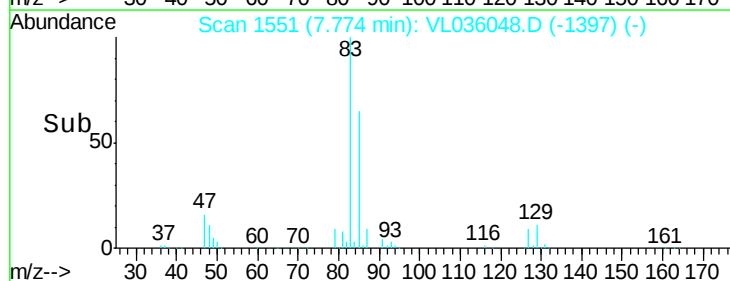
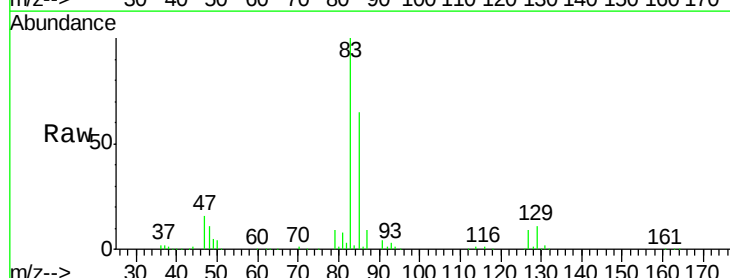
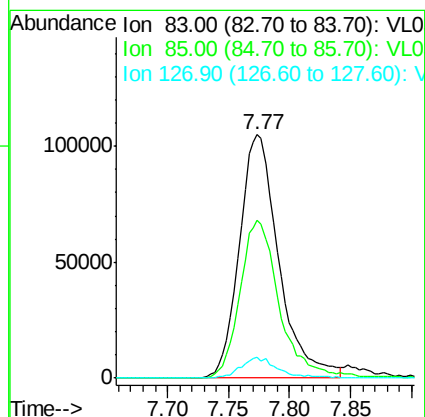
RT: 7.77 min Scan# 1551

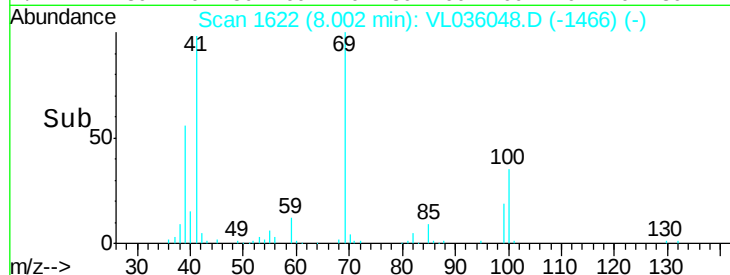
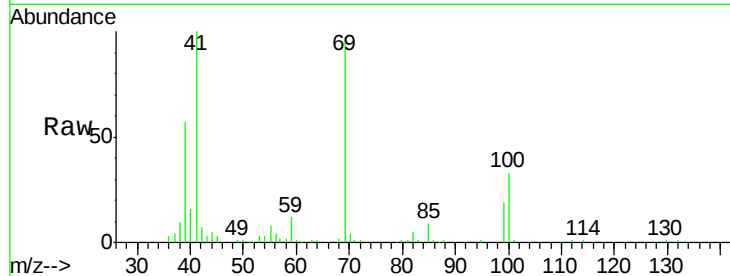
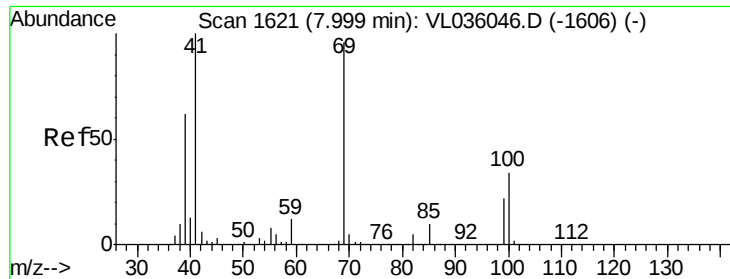
Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	83	Resp:	234547
Ion Ratio	Lower	Upper	
83	100		
85	64.7	53.7	80.5
127	8.5	7.0	10.6





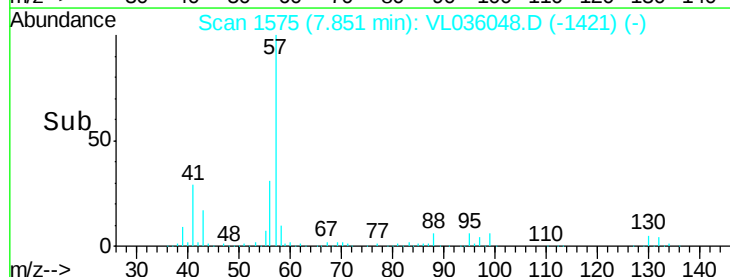
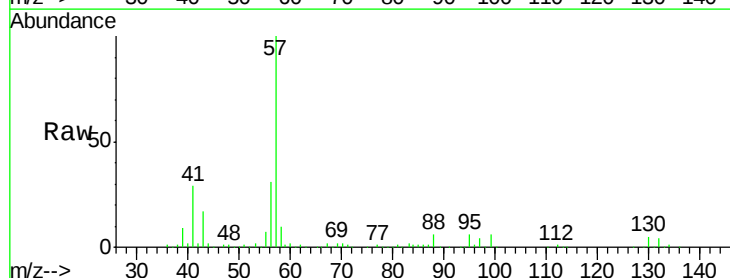
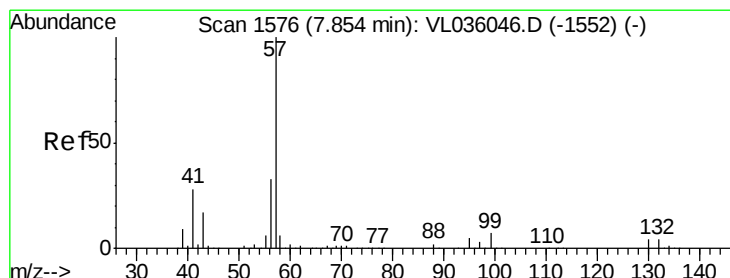
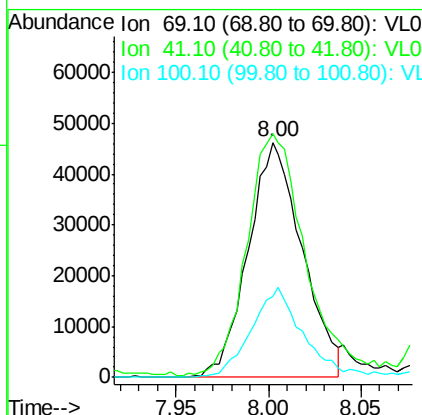
#43
Methvl Methacrylate
Concen: 0.743 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	113.7	86.5	129.7	
100	36.6	29.0	43.6	

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

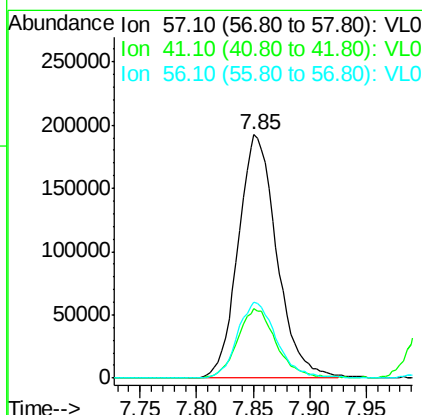
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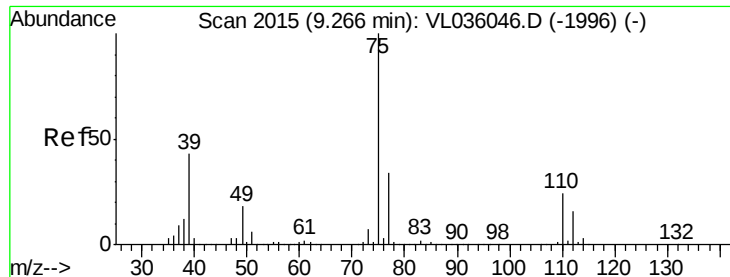
MMDadoda
12/7/2020 12:08:13 PM



#44
2,2,4-Trimethylpentane
Concen: 1.042 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	29.2	21.9	32.9	
56	32.0	25.8	38.6	





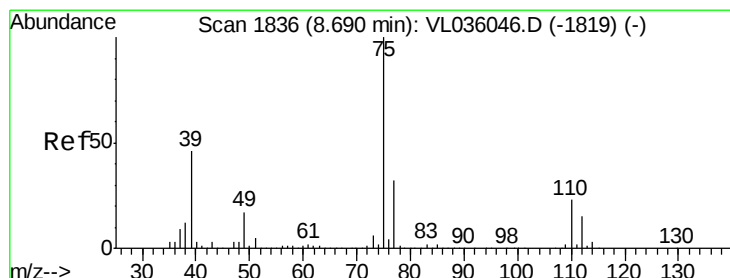
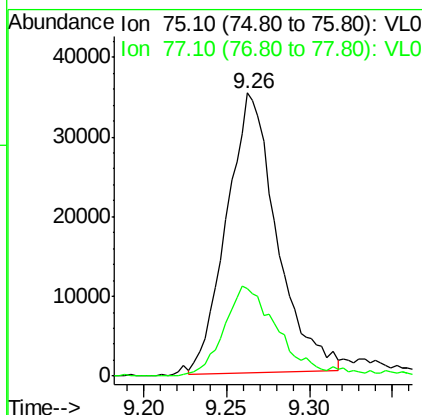
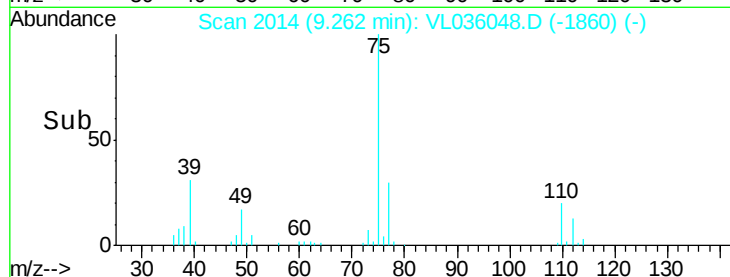
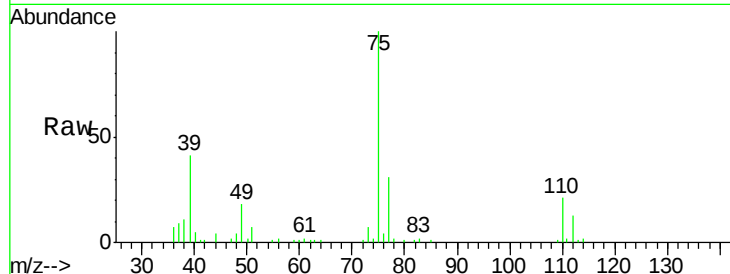
#45
t-1,3-Dichloropropene
Concen: 0.554 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 73859
Ion Ratio Lower Upper
75 100
77 31.1 26.8 40.2

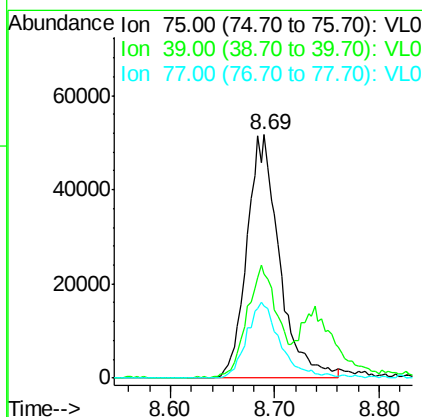
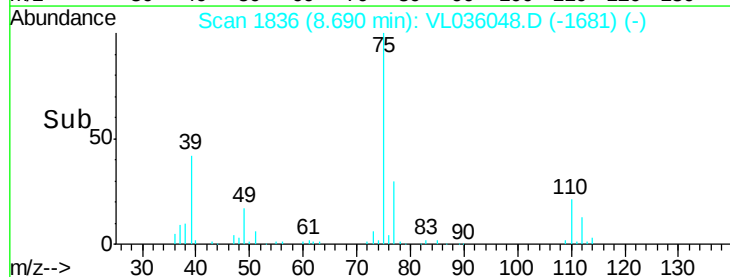
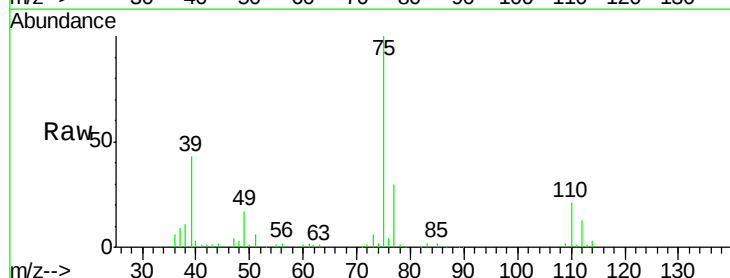
Manual Integrations
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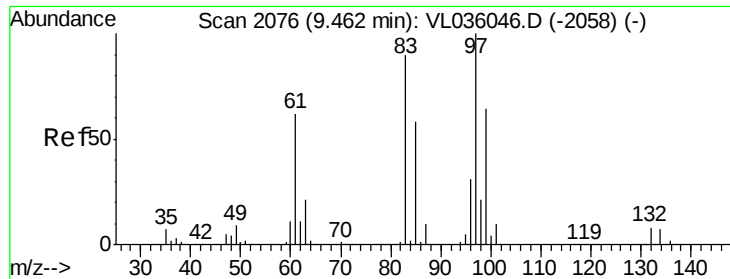
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#46
cis-1,3-Dichloropropene
Concen: 0.660 ppbv m
RT: 8.69 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 75 Resp: 111379
Ion Ratio Lower Upper
75 100
39 42.8 37.0 55.4
77 29.6 25.5 38.3





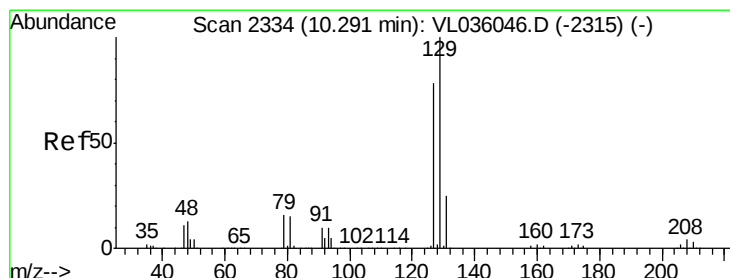
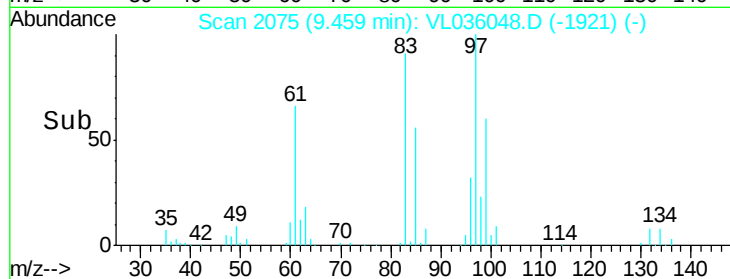
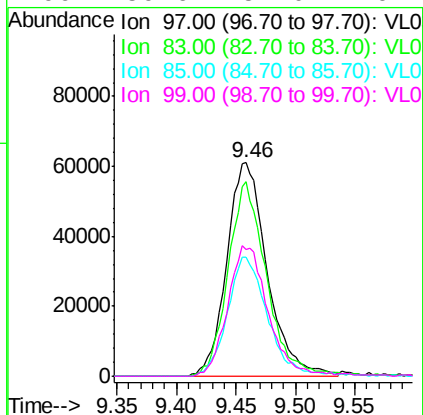
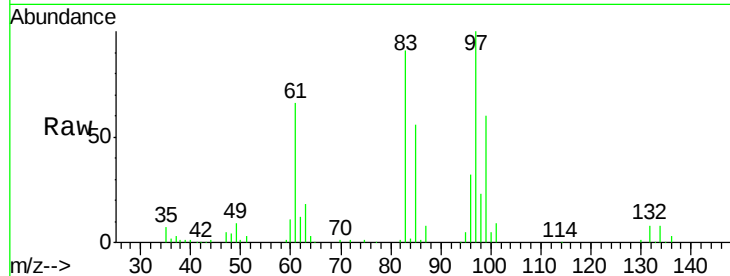
#47
1,1,2-Trichloroethane
Concen: 0.951 ppbv
RT: 9.46 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	97	Resp:	143804
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.1	108.1
85	55.7	46.6	69.8
99	59.6	51.0	76.4

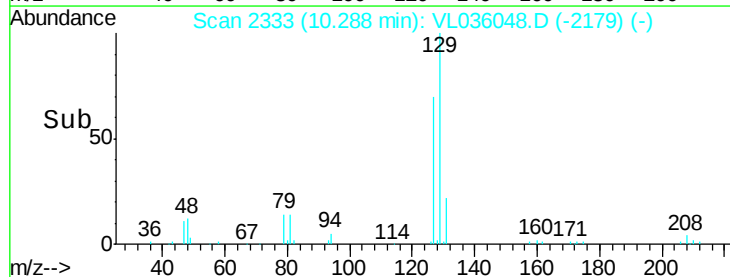
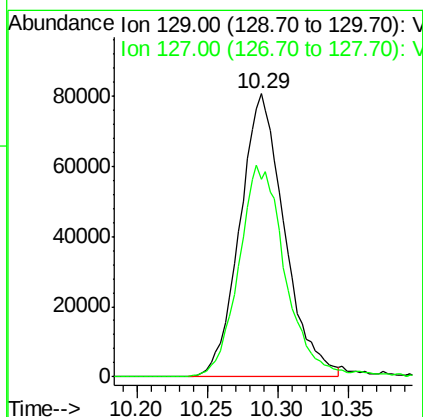
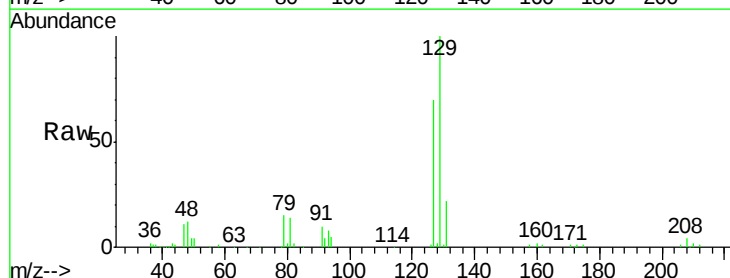
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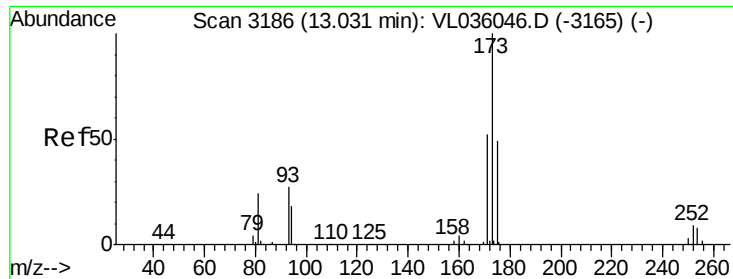
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#48
Dibromochloromethane
Concen: 0.773 ppbv
RT: 10.29 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion:	129	Resp:	178517
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.4	118.2





#49

Bromoform

Concen: 0.615 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

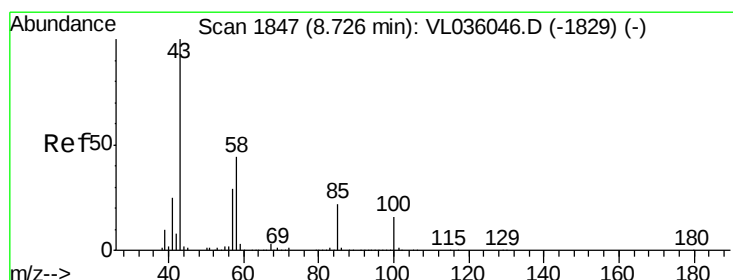
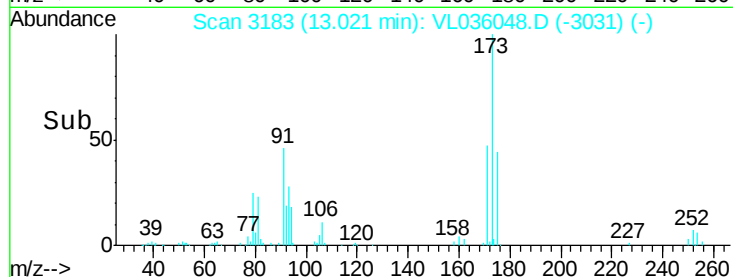
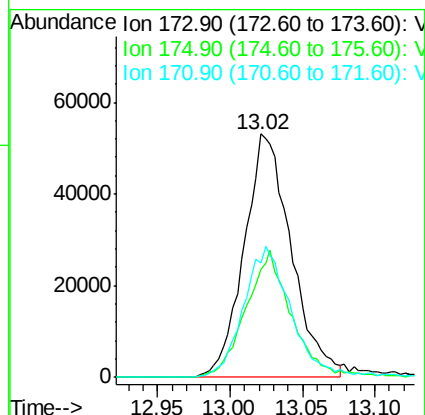
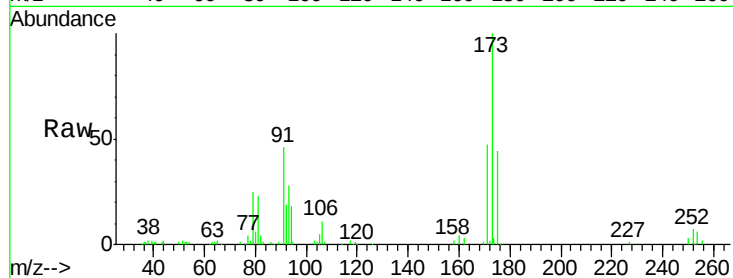
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	119922
Ion Ratio	Lower	Upper	
173	100		
175	51.6	39.5	59.3
171	55.2	42.6	63.8

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#50

4-Methyl-2-Pentanone

Concen: 0.980 ppbv m

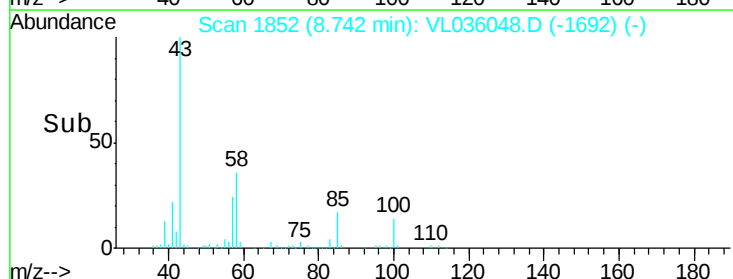
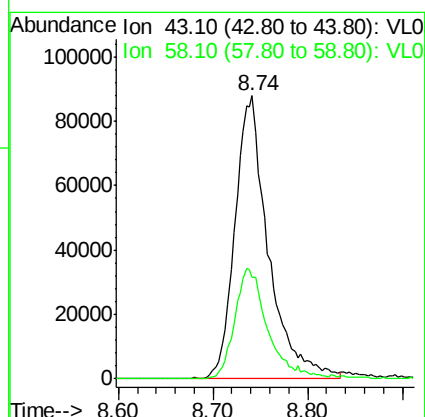
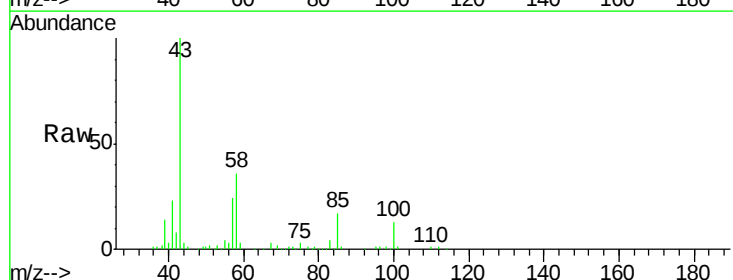
RT: 8.74 min Scan# 1852

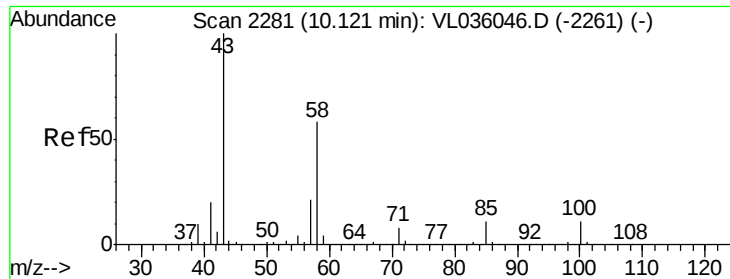
Delta R.T. 0.02 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	43	Resp:	215597
Ion Ratio	Lower	Upper	
43	100		
58	39.4	34.7	52.1





#51

2-Hexanone

Concen: 0.793 ppbv m

RT: 10.13 min Scan# 2285

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 140253

Ion Ratio Lower Upper

43 100

58 49.5 45.7 68.5

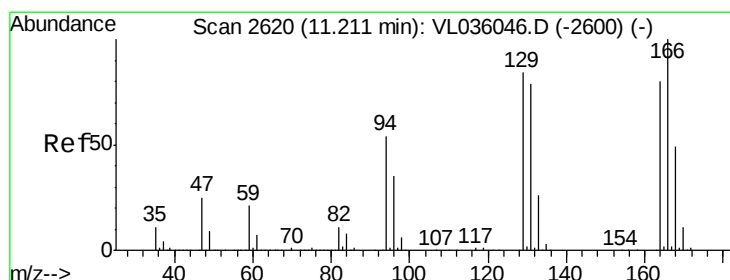
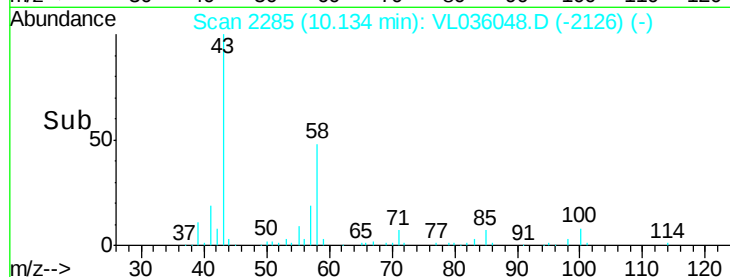
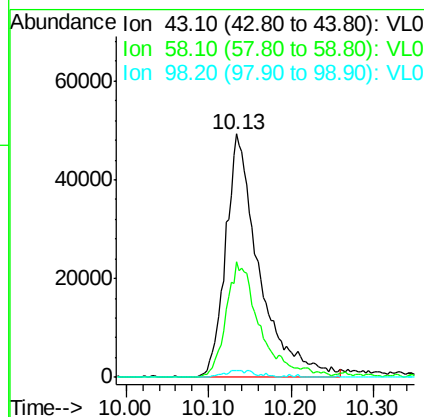
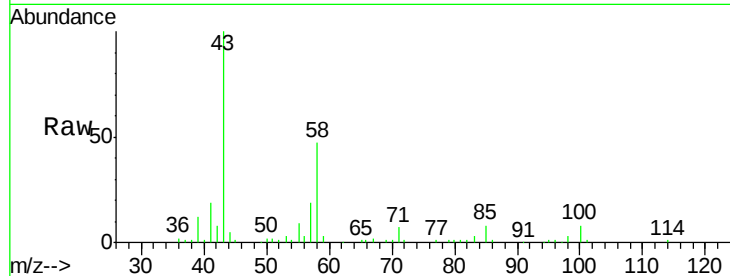
98 2.9 0.8 1.2#

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#52

Tetrachloroethene

Concen: 0.707 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion: 164 Resp: 110353

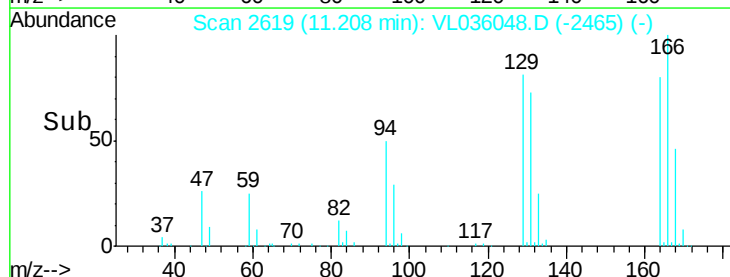
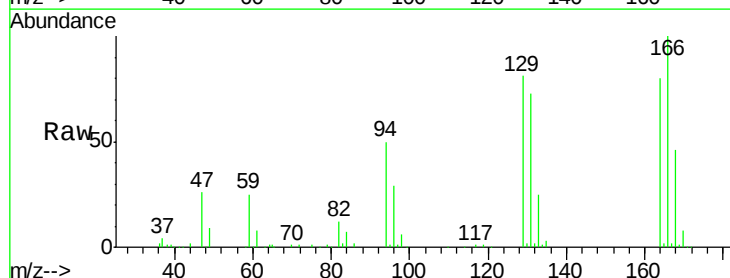
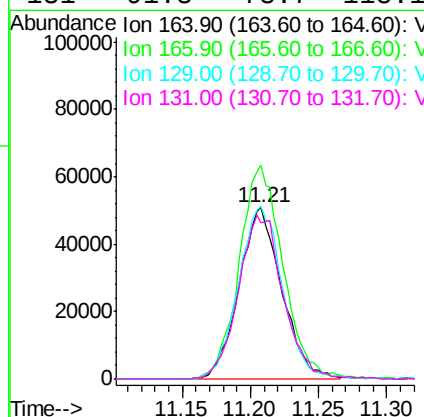
Ion Ratio Lower Upper

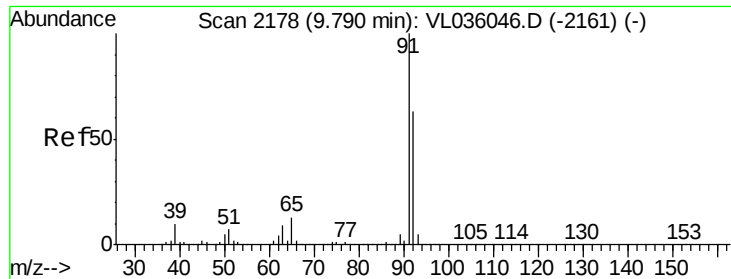
164 100

166 124.9 100.2 150.2

129 100.9 83.7 125.5

131 91.3 78.7 118.1





#53

Toluene

Concen: 0.732 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 291092

Ion Ratio Lower Upper

91 100

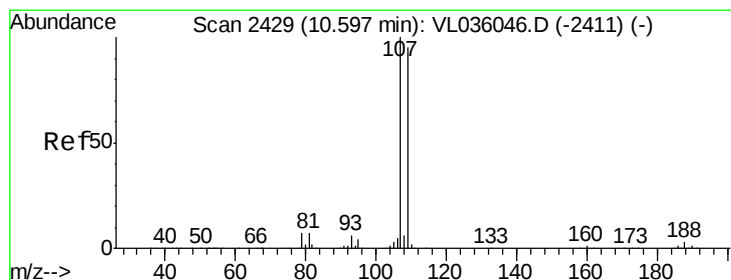
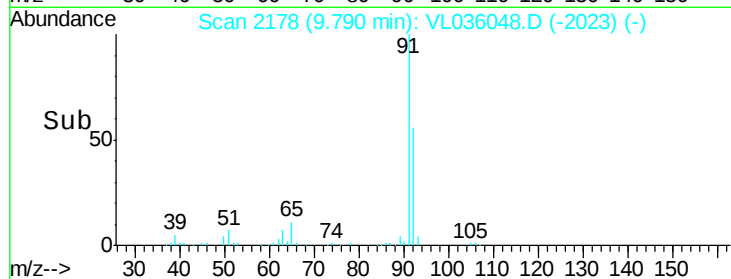
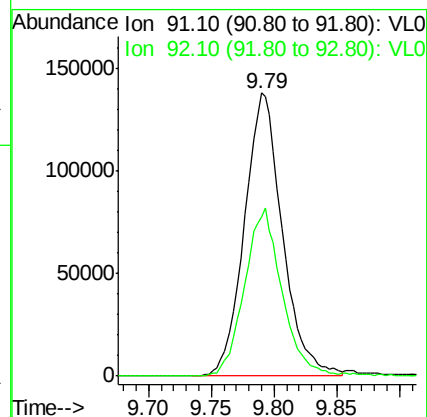
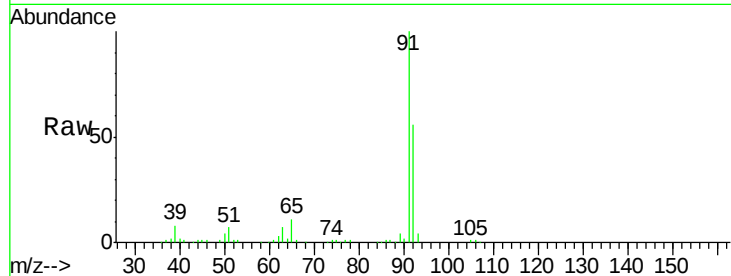
92 59.3 49.3 73.9

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#54

1,2-Dibromoethane

Concen: 0.827 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VL036048.D

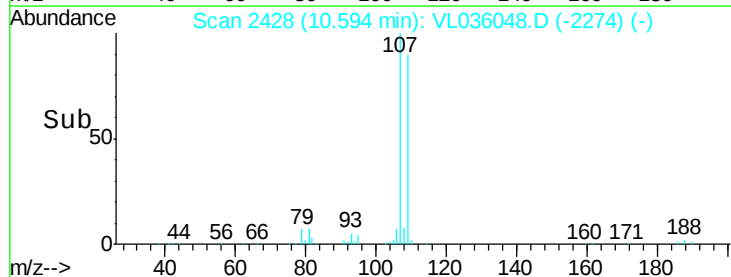
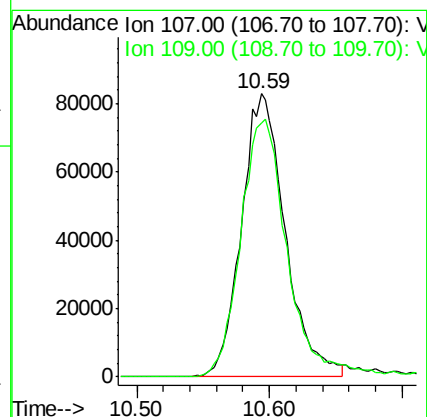
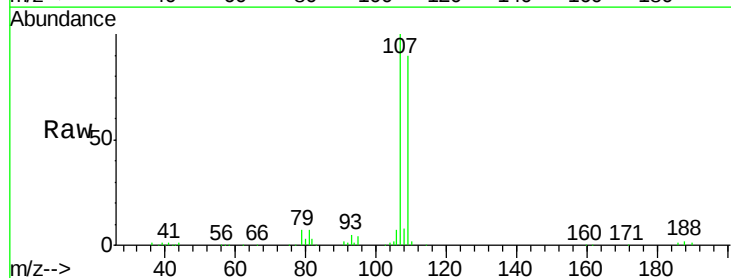
Acq: 3 Dec 2020 11:06

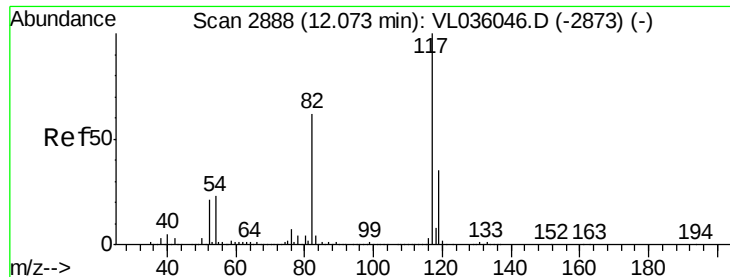
Tgt Ion: 107 Resp: 190208

Ion Ratio Lower Upper

107 100

109 89.3 75.7 113.5





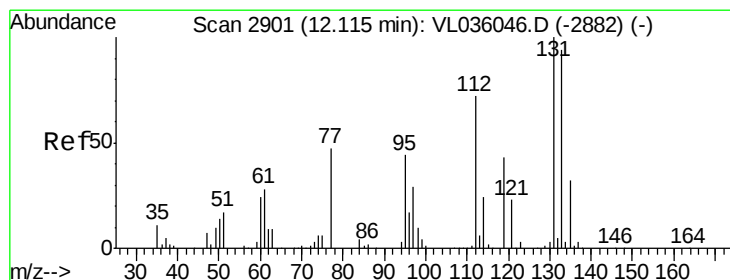
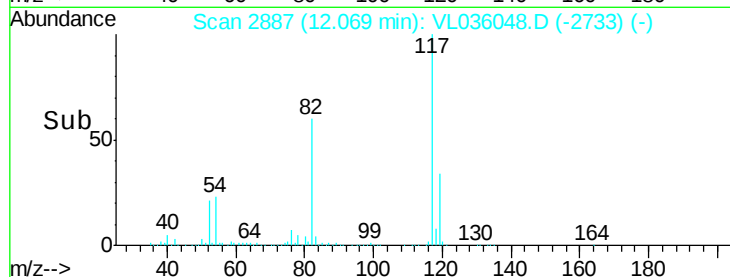
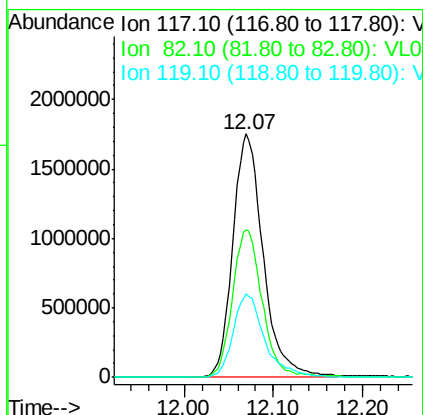
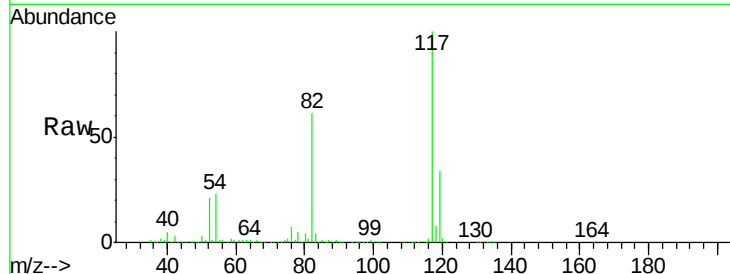
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	49.9	74.9
119	35.6	28.7	43.1

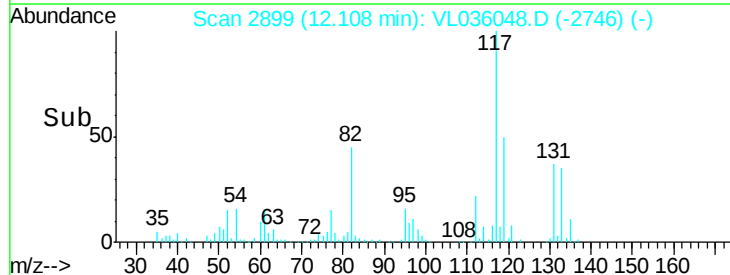
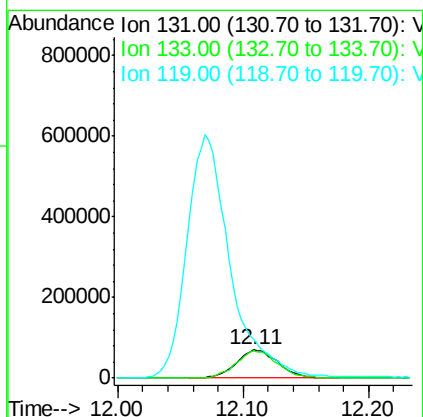
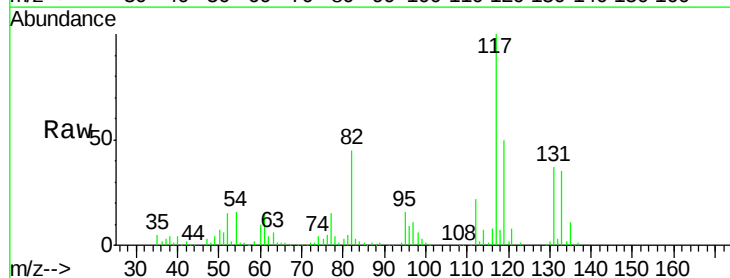
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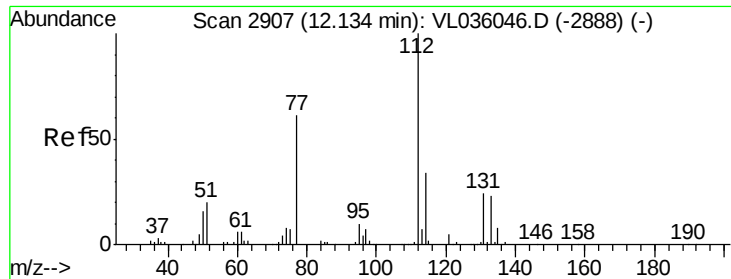
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.879 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.1	114.1
119	904.1	49.5	74.3#





#57

Chlorobenzene

Concen: 0.949 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

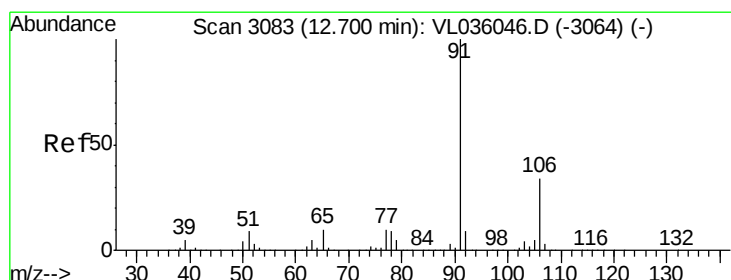
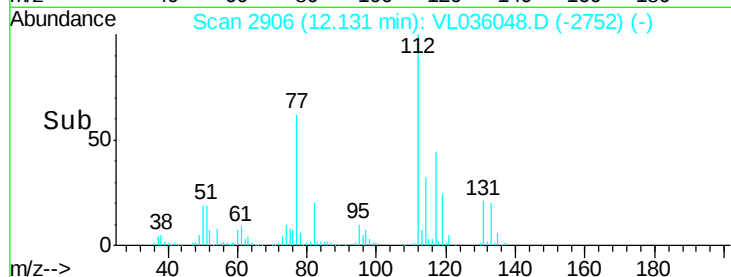
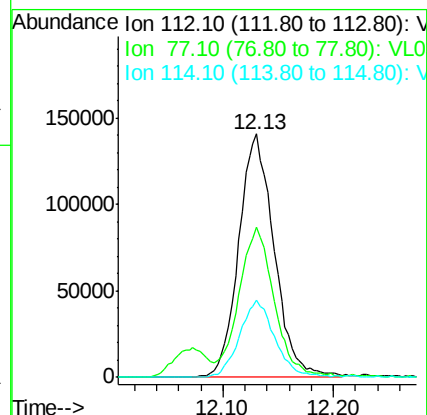
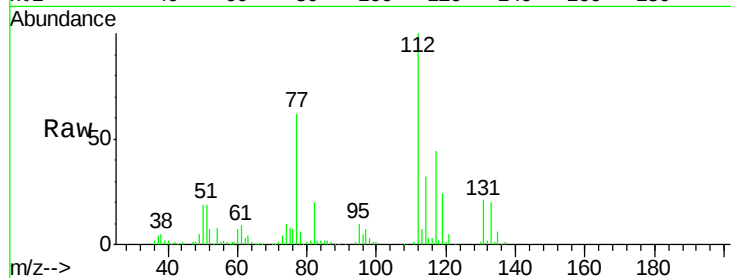
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	312975
Ion Ratio	Lower	Upper	
112	100		
77	61.2	49.3	73.9
114	32.0	30.2	36.9

Manual Integrations
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#58

Ethyl Benzene

Concen: 0.732 ppbv

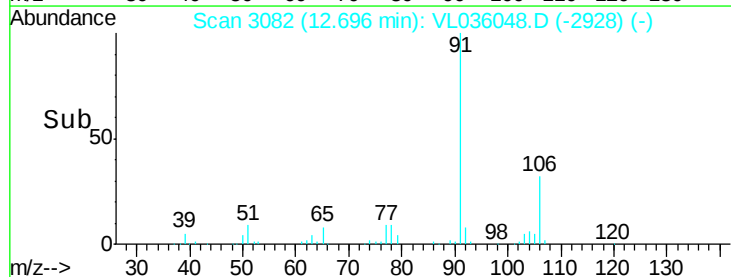
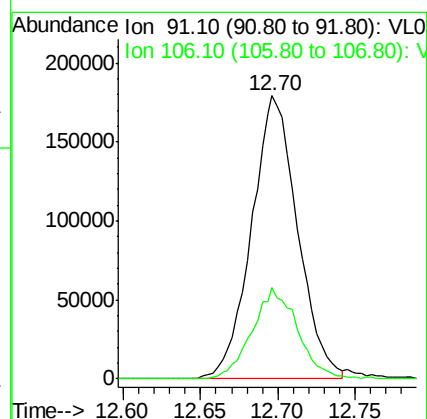
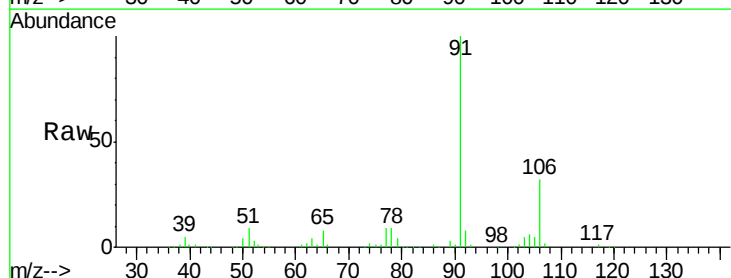
RT: 12.70 min Scan# 3082

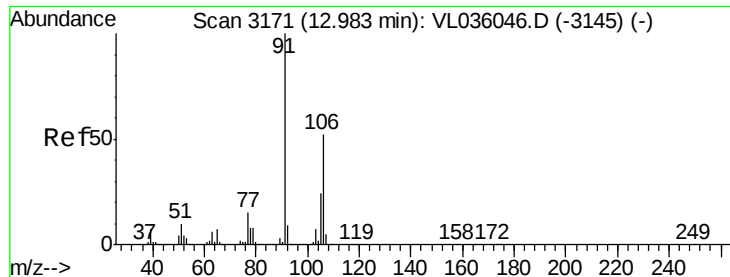
Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	91	Resp:	369798
Ion Ratio	Lower	Upper	
91	100		
106	32.4	27.4	41.2





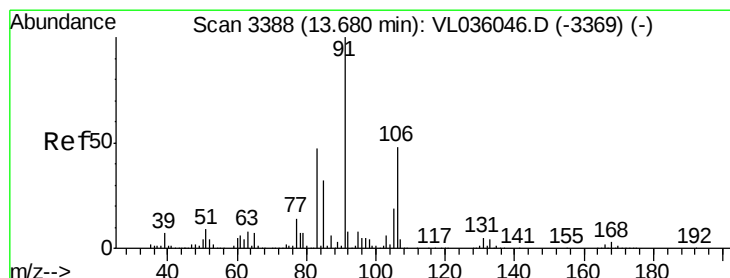
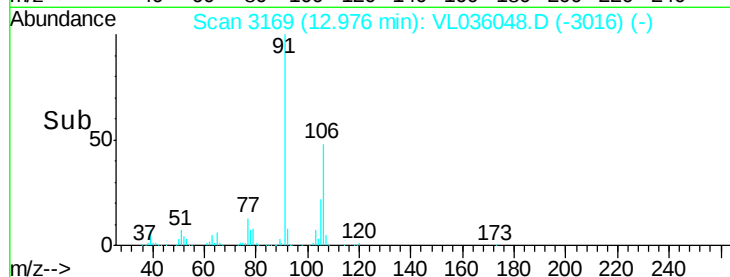
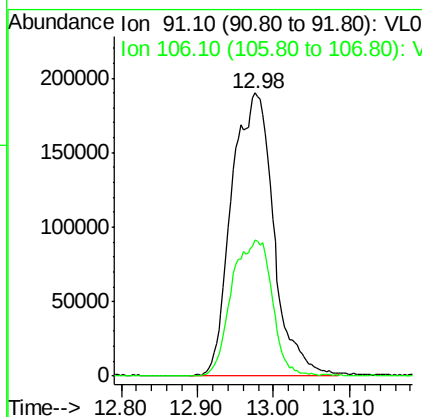
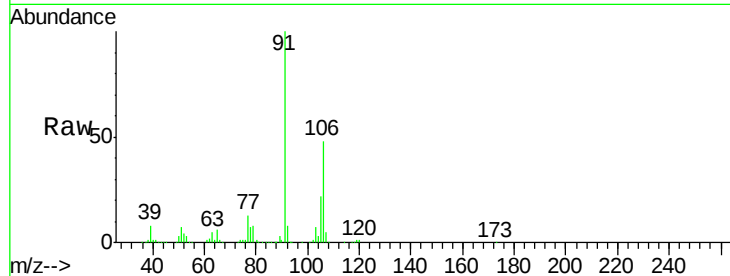
#59
m/p-Xylene
Concen: 1.699 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 726102
Ion Ratio Lower Upper
91 100
106 46.4 38.7 58.1

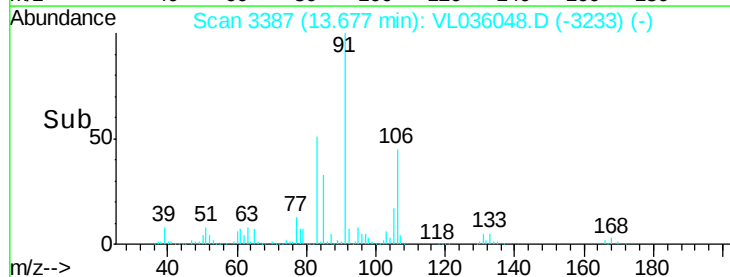
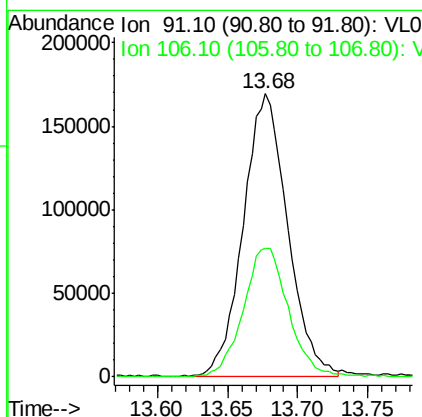
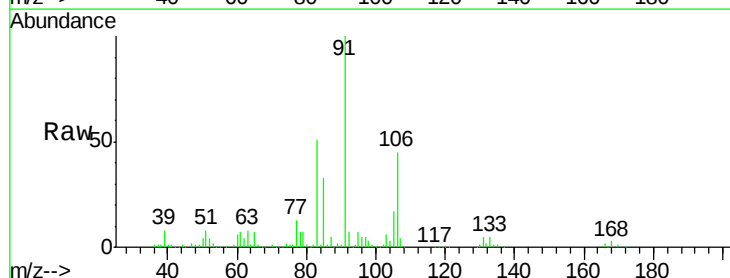
Manual Integrations
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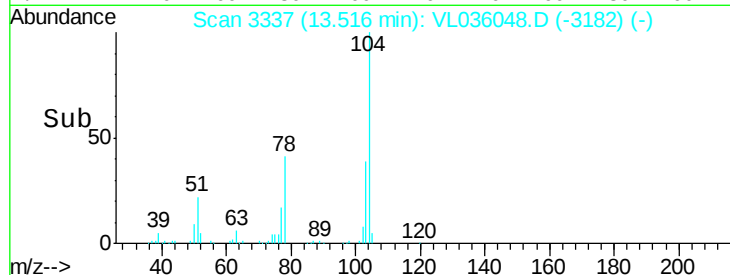
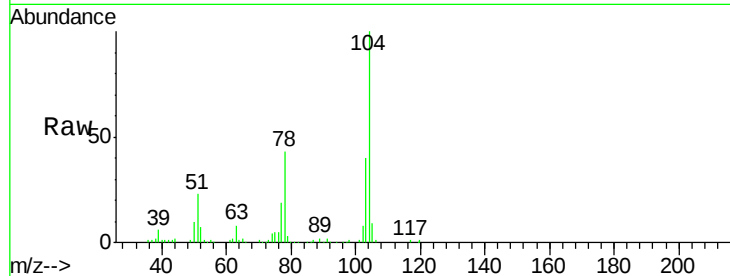
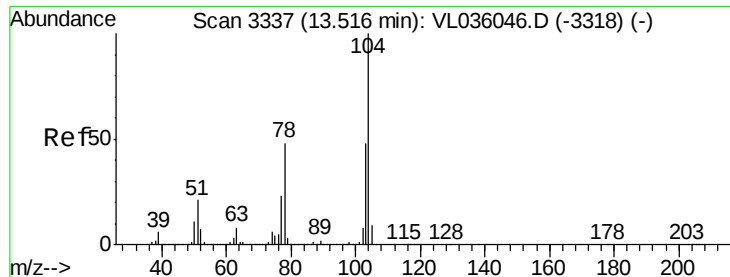
MMDadoda
12/7/2020 12:08:13 PM



#60
o-Xylene
Concen: 0.890 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 91 Resp: 370028
Ion Ratio Lower Upper
91 100
106 47.1 24.1 72.3





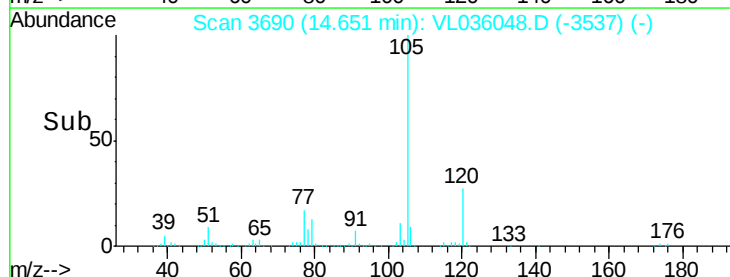
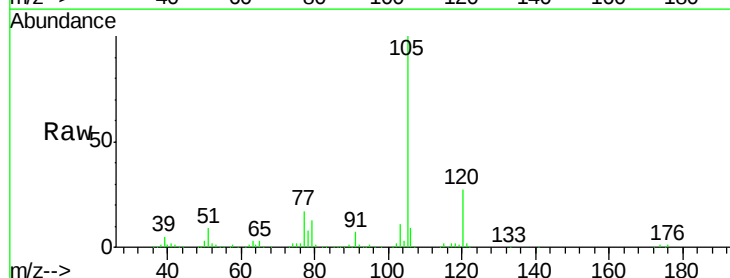
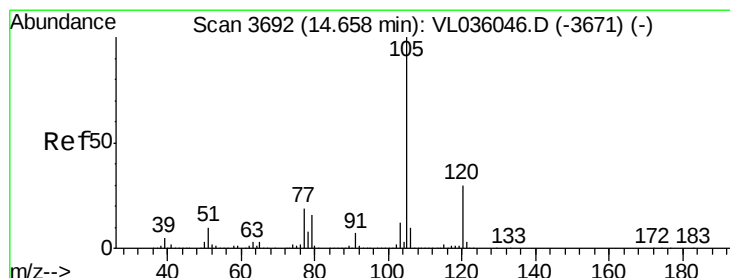
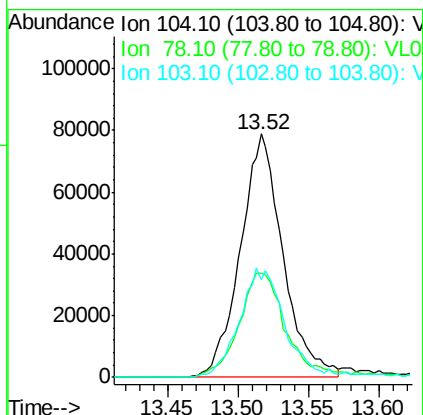
#61
Stvrene
Concen: 0.547 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.0	57.0
103	48.7	37.7	56.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

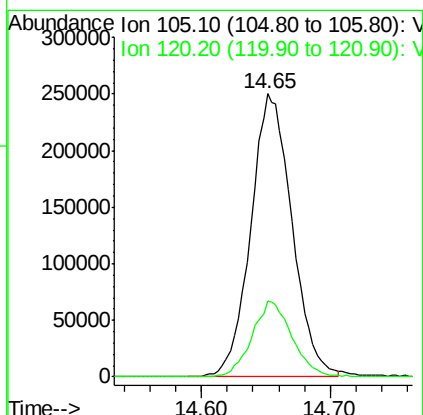
Manual Integrations
APPROVED

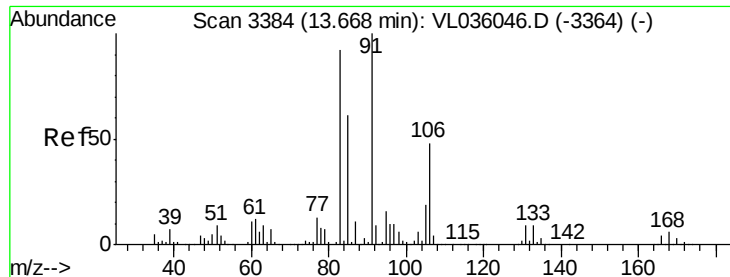
MMDadoda
12/7/2020 12:08:13 PM



#62
Isopropylbenzene
Concen: 0.853 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.01 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	22.6	34.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.950 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 305951
Ion Ratio Lower Upper

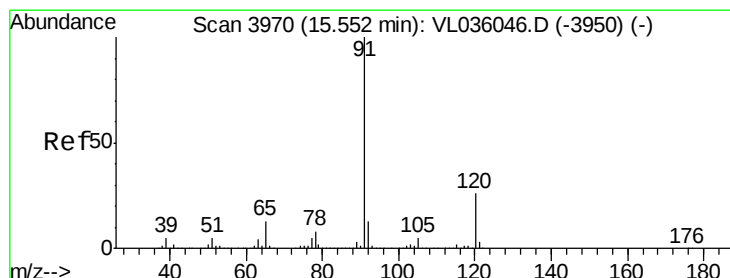
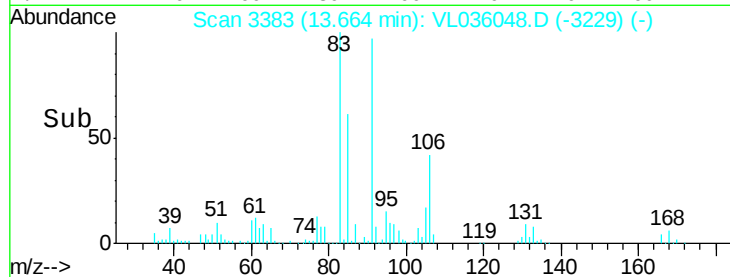
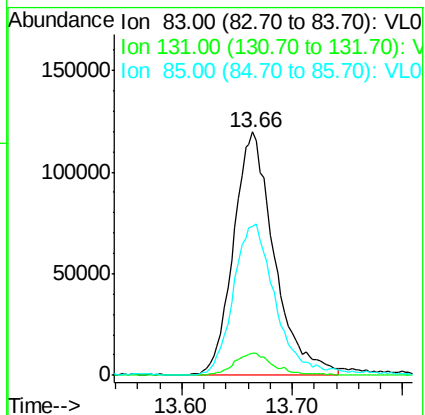
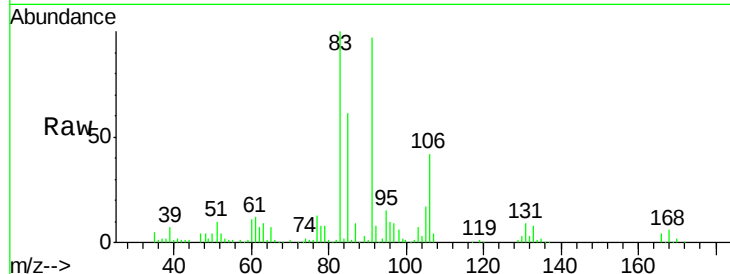
83 100

131 9.2 4.8 14.4

85 65.8 33.3 99.9

Manual Integrations
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#64

n-propylbenzene

Concen: 0.742 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.00 min

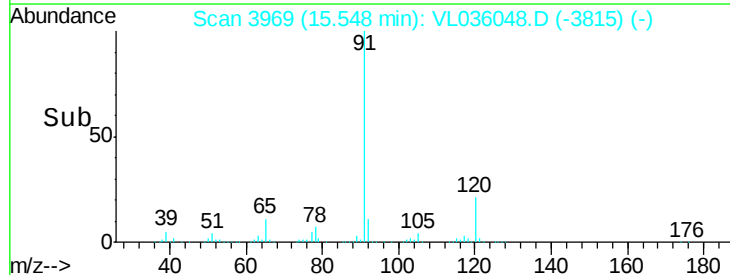
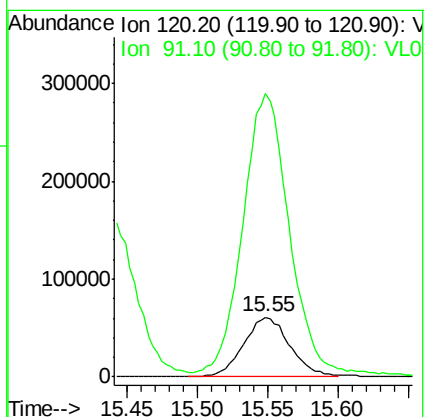
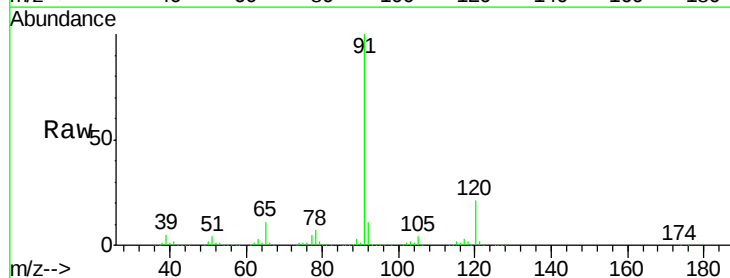
Lab File: VL036048.D

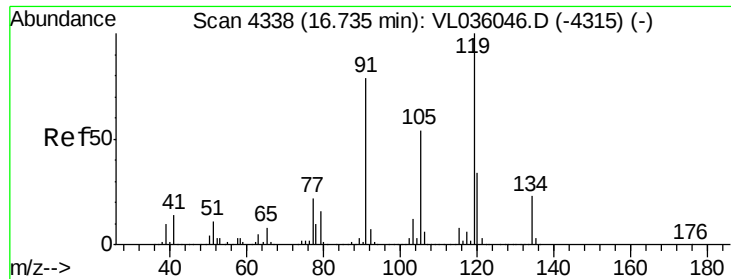
Acq: 3 Dec 2020 11:06

Tgt Ion: 120 Resp: 140092
Ion Ratio Lower Upper

120 100

91 486.8 331.4 497.2





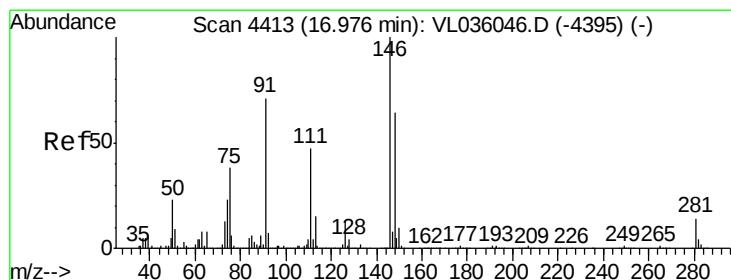
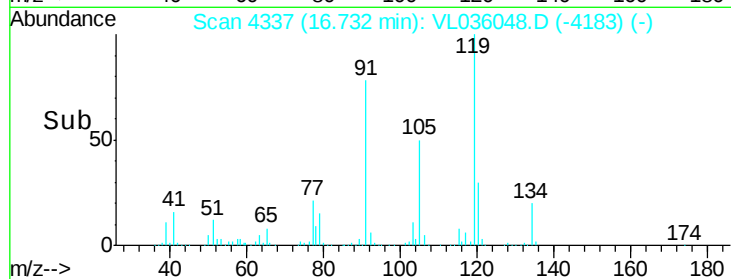
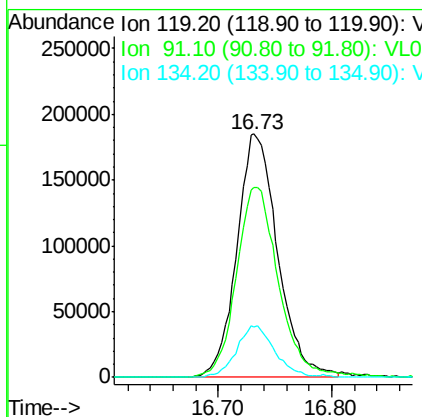
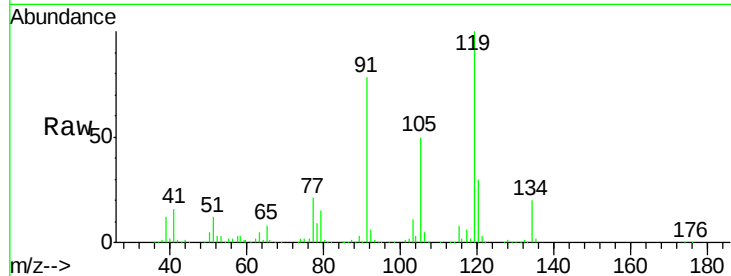
#65
tert-Butylbenzene
Concen: 0.779 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	463237		
91	81.5	63.4	95.2	
134	20.4	17.1	25.7	

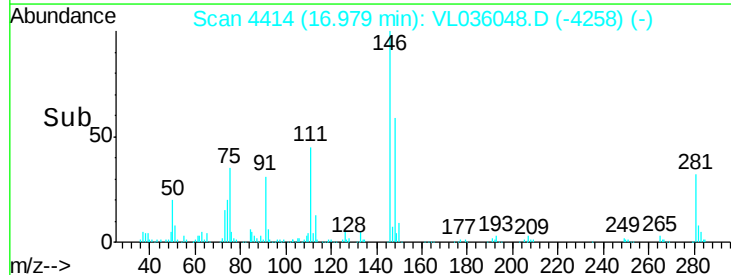
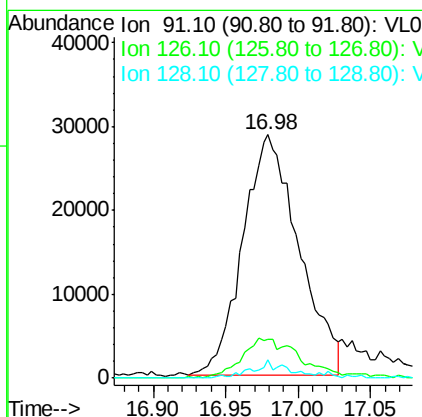
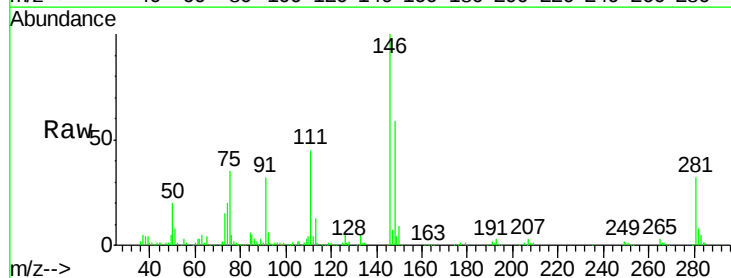
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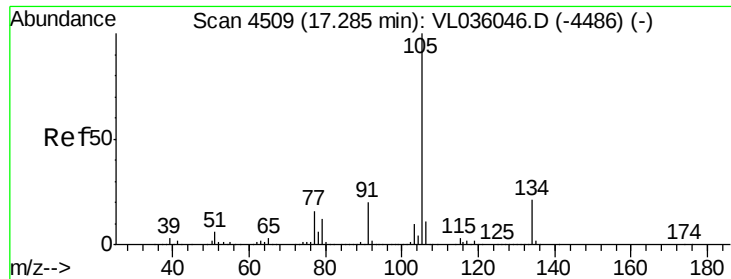
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#66
Benzyl Chloride
Concen: 0.393 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	77196		
126	18.0	14.3	21.5	
128	5.4	4.7	7.1	





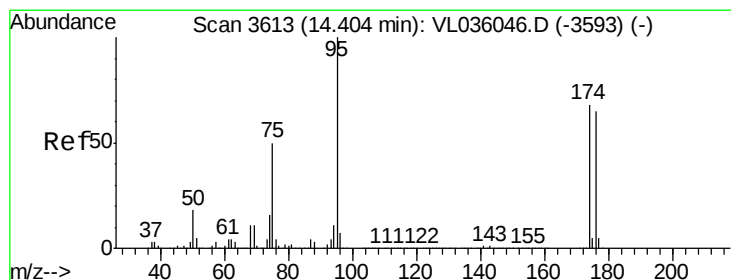
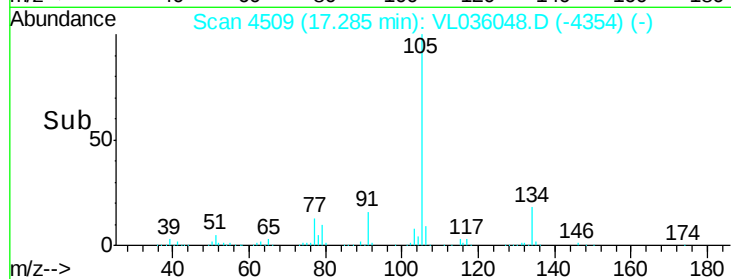
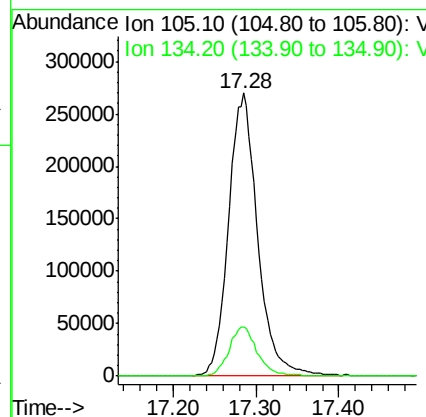
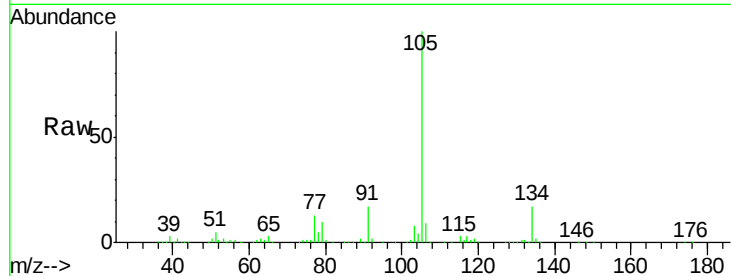
#67
 sec-Butylbenzene
 Concen: 0.815 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 653156
 Ion Ratio Lower Upper
 105 100
 134 17.2 15.8 23.8

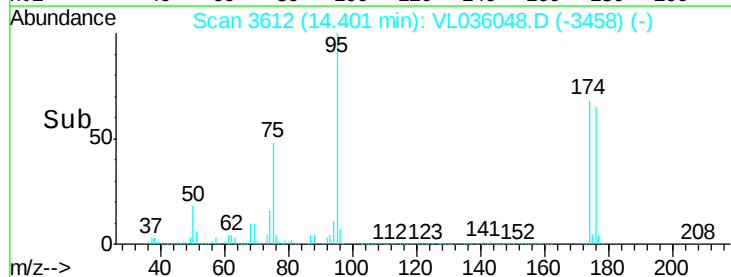
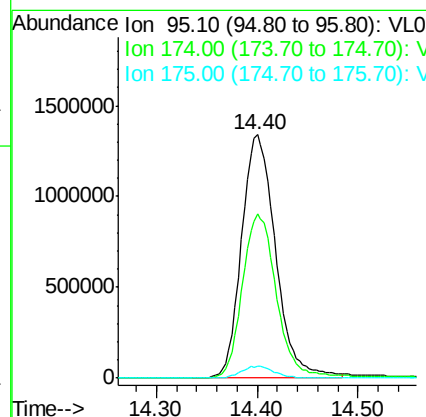
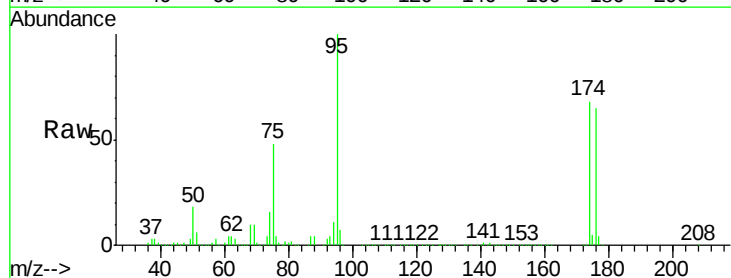
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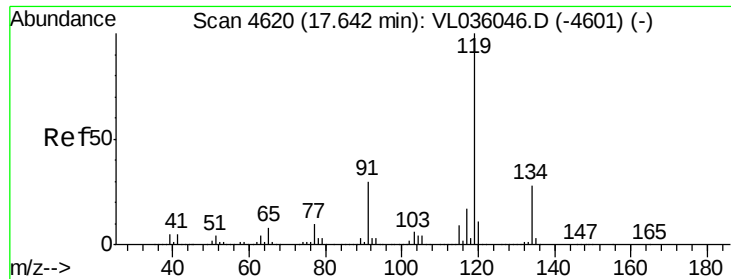
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.678 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion: 95 Resp: 3146356
 Ion Ratio Lower Upper
 95 100
 174 68.9 54.2 81.2
 175 4.8 3.8 5.8





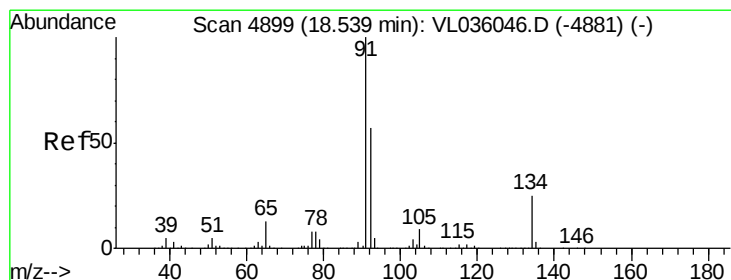
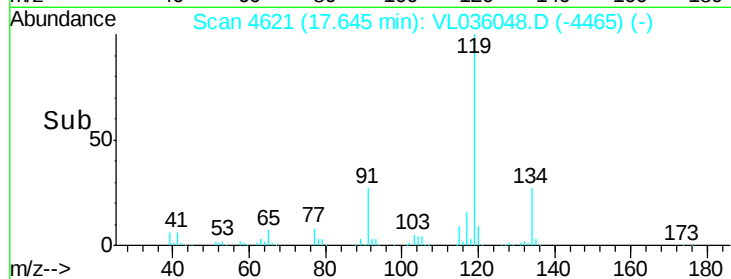
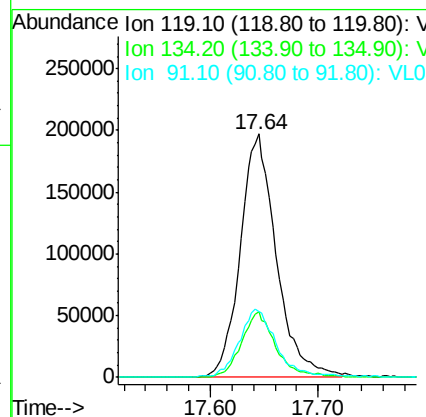
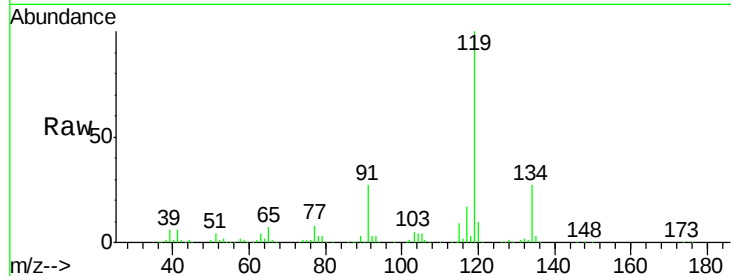
#69
 p-Isopropyltoluene
 Concen: 0.696 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	460193		
134	25.7		22.2	33.2
91	29.1		23.2	34.8

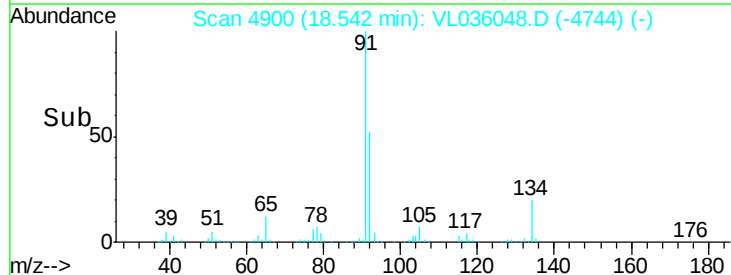
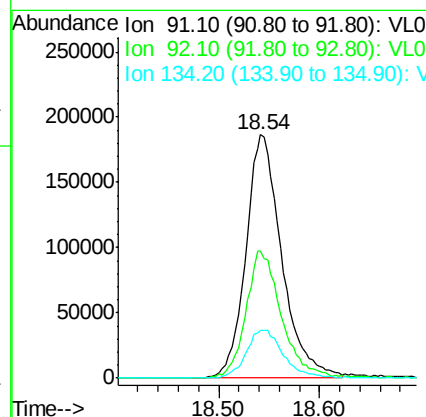
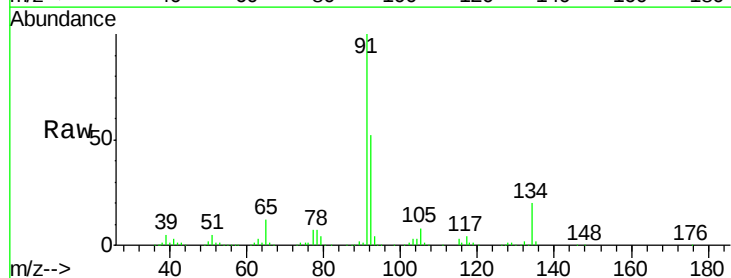
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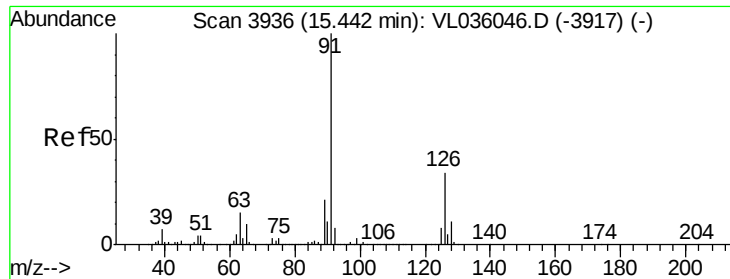
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#70
 n-Butylbenzene
 Concen: 0.720 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	458285		
92	52.1		45.2	67.8
134	20.7		19.2	28.8





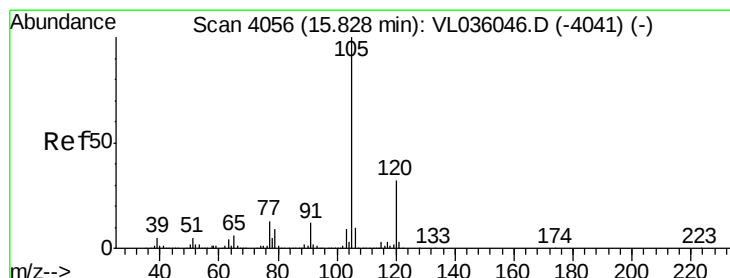
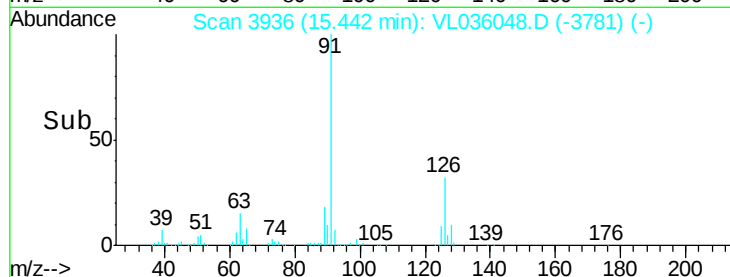
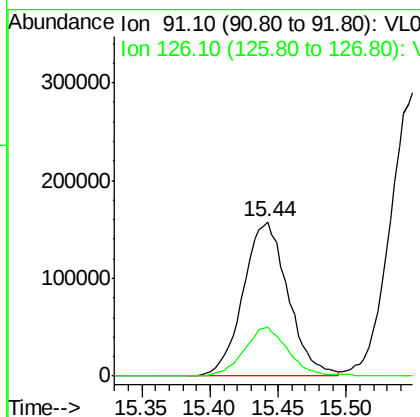
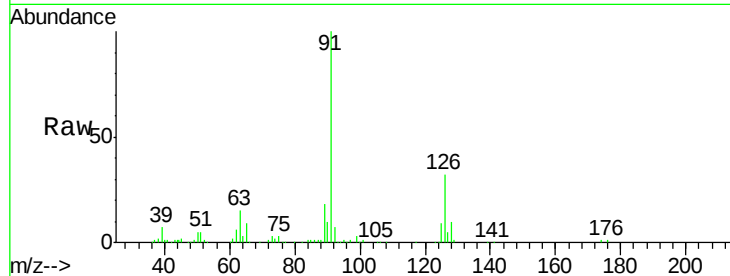
#71
2-Chlorotoluene
Concen: 0.752 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 359480
Ion Ratio Lower Upper
91 100
126 31.5 13.2 53.0

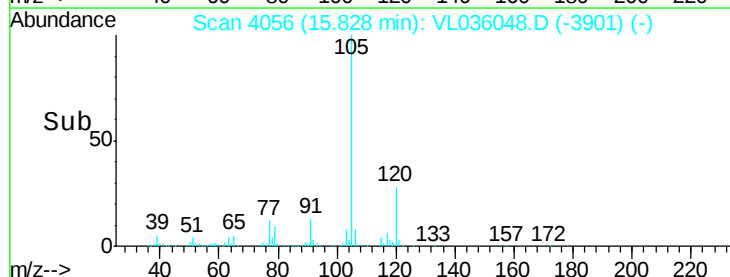
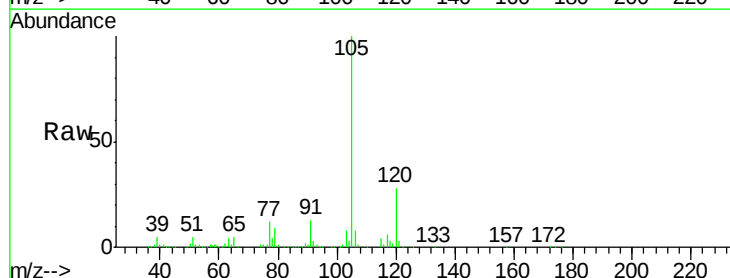
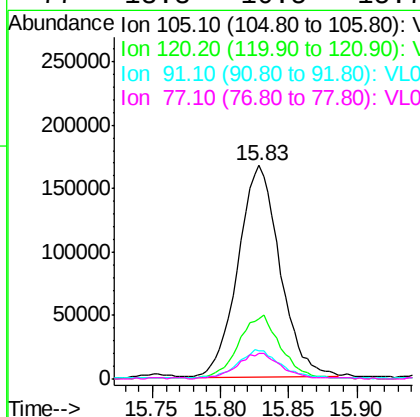
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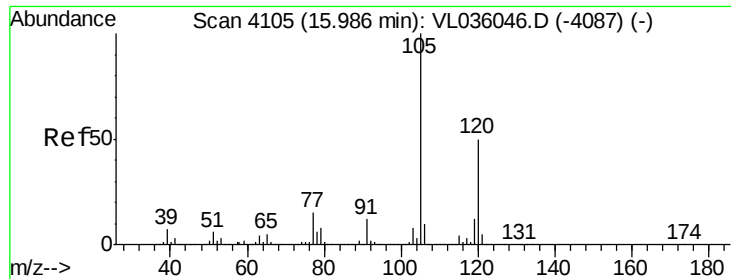
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#72
4-Ethyltoluene
Concen: 0.707 ppbv
RT: 15.83 min Scan# 4056
Delta R.T. -0.00 min
Lab File: VL036048.D
Acq: 3 Dec 2020 11:06

Tgt Ion: 105 Resp: 356565
Ion Ratio Lower Upper
105 100
120 31.7 25.3 37.9
91 15.0 10.1 15.1
77 13.3 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.717 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 330893

Ion Ratio Lower Upper

105 100

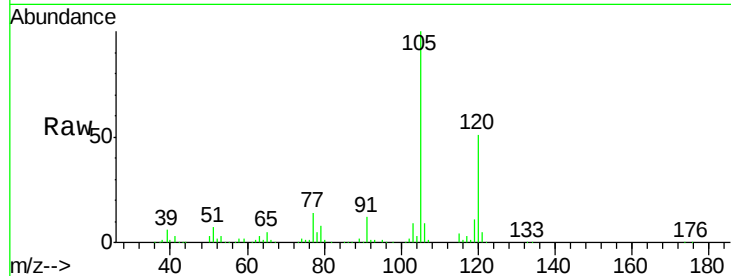
120 51.1 39.8 59.8

Manual Integrations

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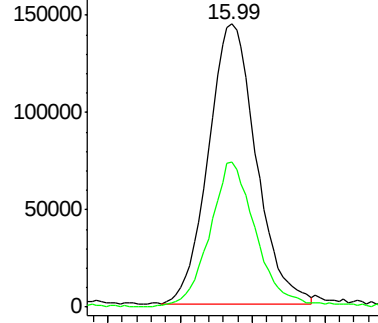
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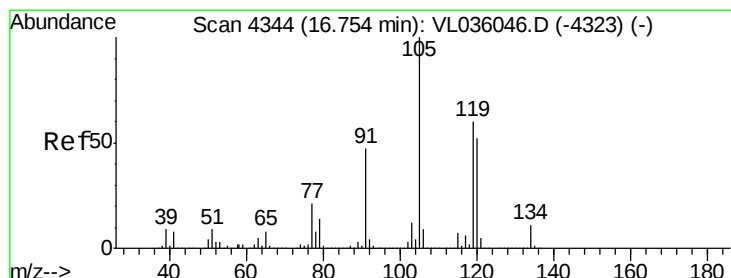
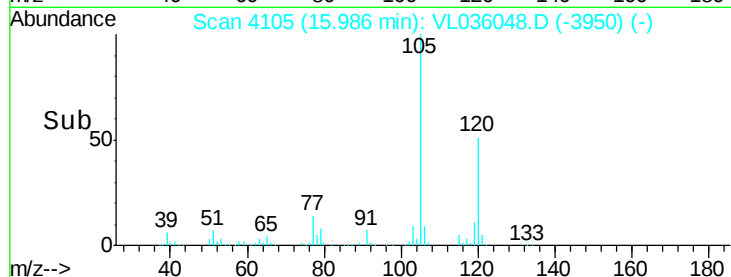


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.823 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:105 Resp: 406658

Ion Ratio Lower Upper

105 100

120 48.0 41.5 62.3

91 48.9 38.1 57.1

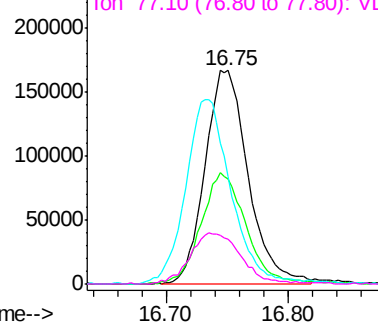
77 20.6 17.0 25.4

Abundance Ion 105.10 (104.80 to 105.80): V

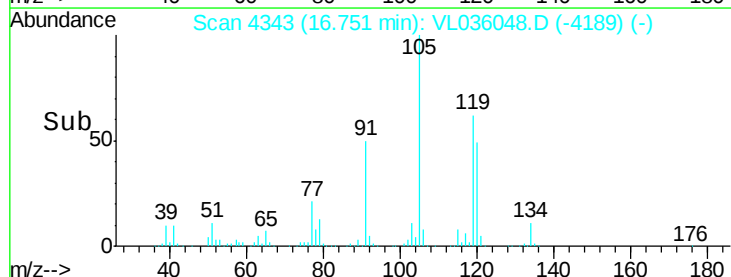
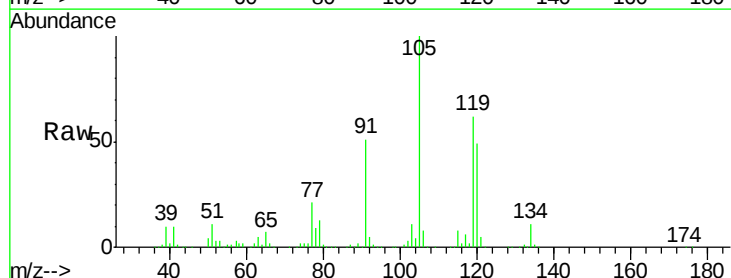
Ion 120.20 (119.90 to 120.90): V

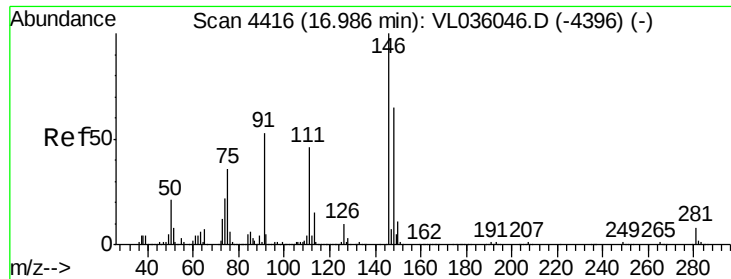
Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->





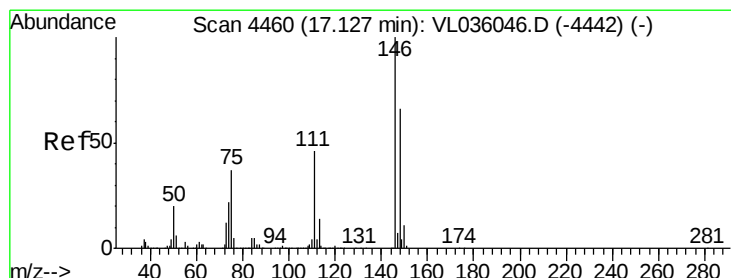
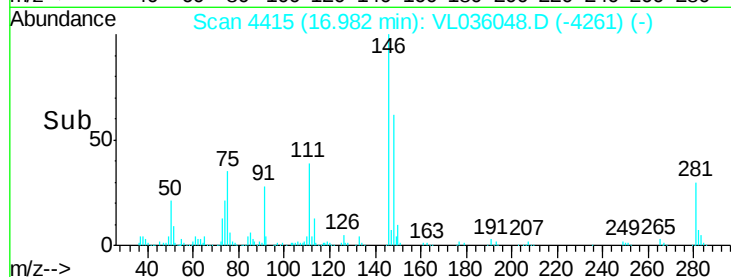
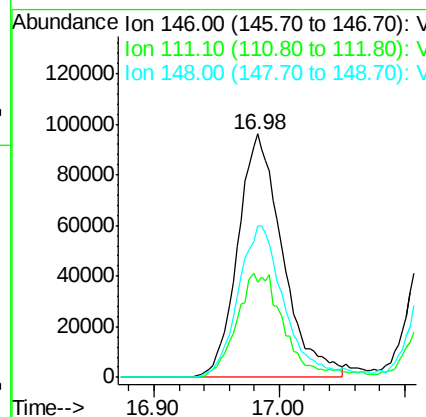
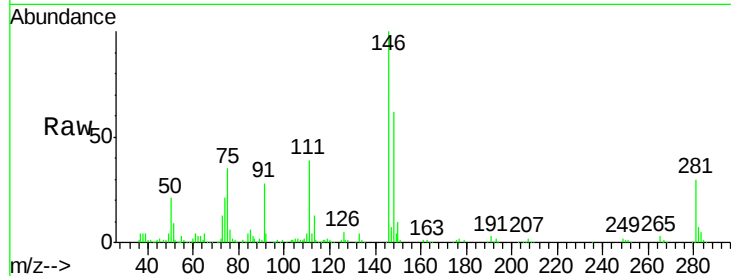
#75
 1,3-Dichlorobenzene
 Concen: 0.758 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.7
148	64.8	32.4	97.0

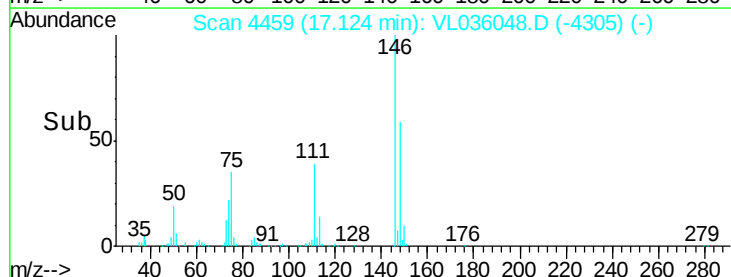
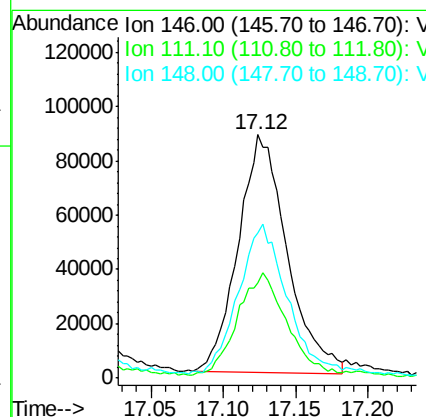
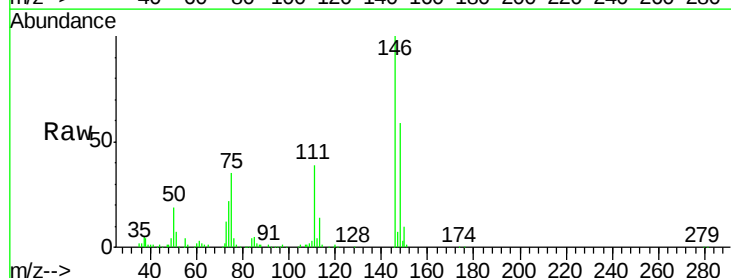
Manual Integrations
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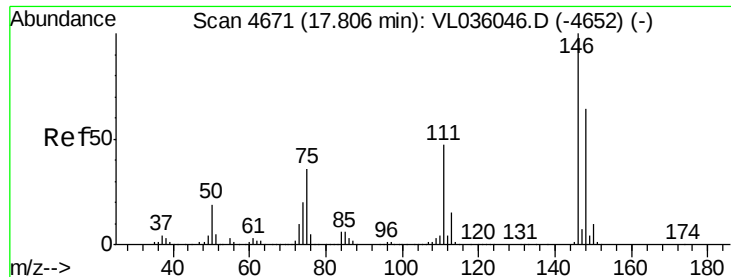
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#76
 1,4-Dichlorobenzene
 Concen: 0.679 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.4	67.2
148	68.6	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 0.720 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. -0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

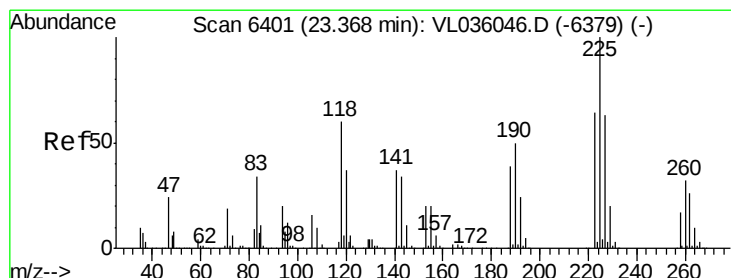
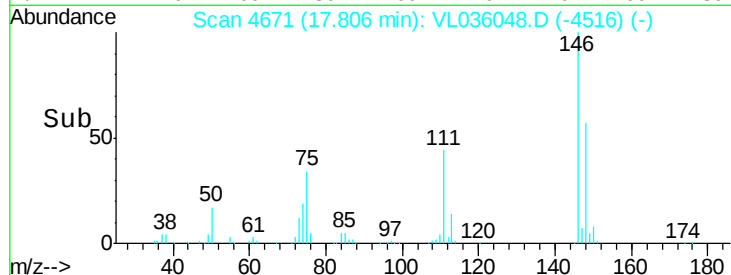
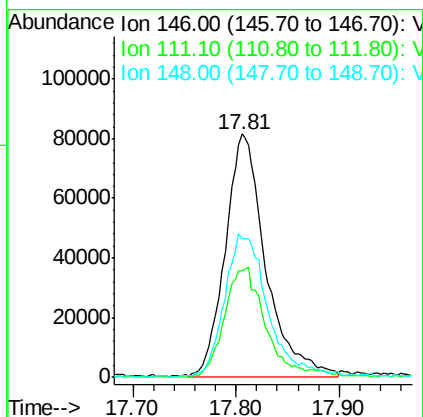
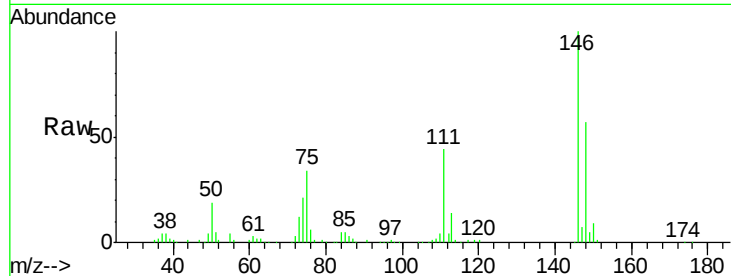
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	220950
Ion Ratio	Lower	Upper	
146	100		
111	46.4	23.5	70.6
148	63.3	32.5	97.5

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#78

Hexachloro-1,3-Butadiene

Concen: 0.830 ppbv

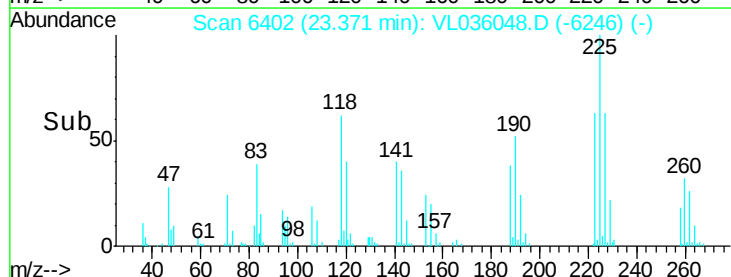
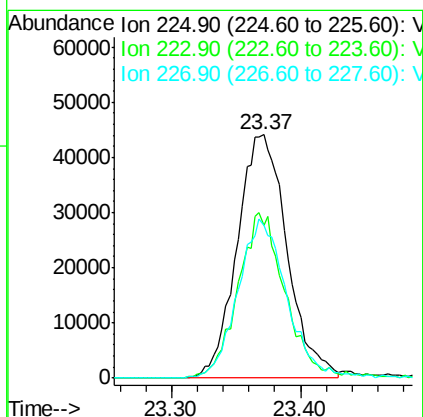
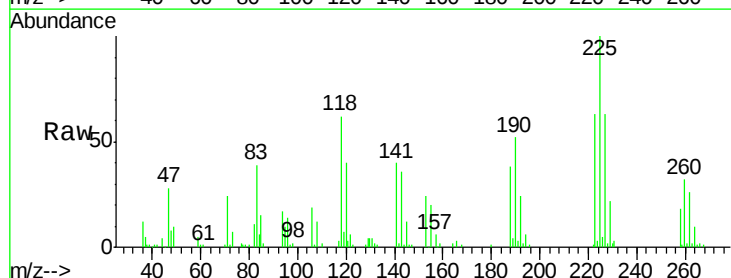
RT: 23.37 min Scan# 6402

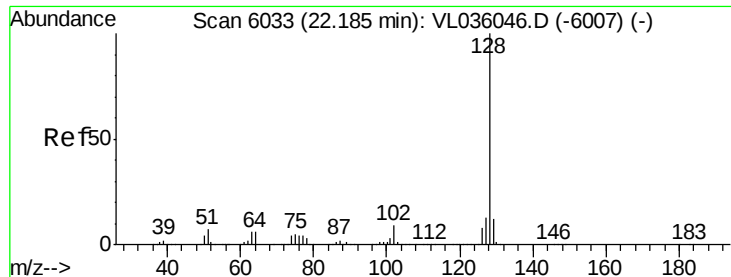
Delta R.T. 0.00 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	225	Resp:	118833
Ion Ratio	Lower	Upper	
225	100		
223	64.6	51.0	76.4
227	64.3	51.2	76.8





#79

Naphthalene

Concen: 0.368 ppbv m

RT: 22.20 min Scan# 6037

Delta R.T. 0.01 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Instrument :

MSVOA_L

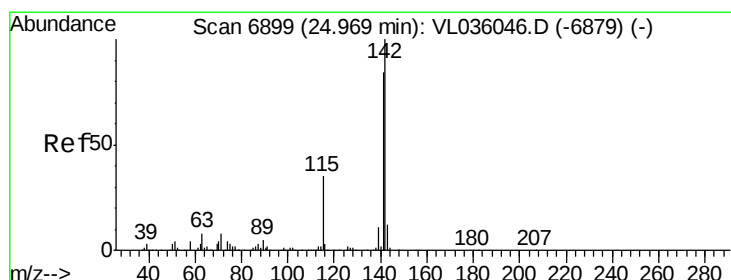
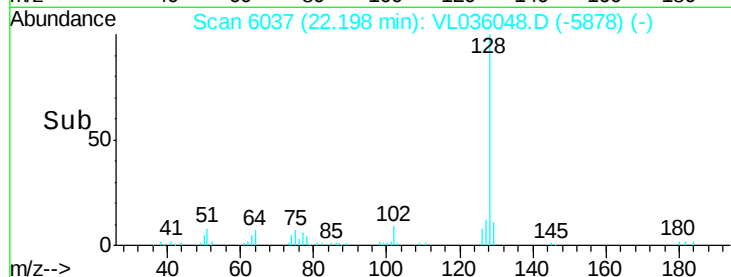
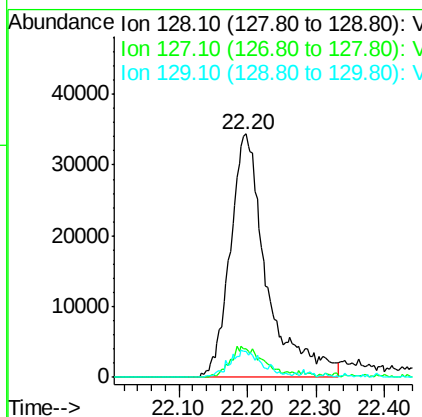
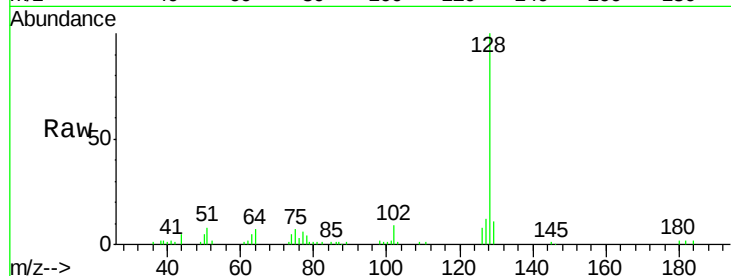
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	126801
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.3	15.5
129	10.7	9.3	13.9

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#80

Naphthalene, 2-methyl-

Concen: 0.157 ppbv m

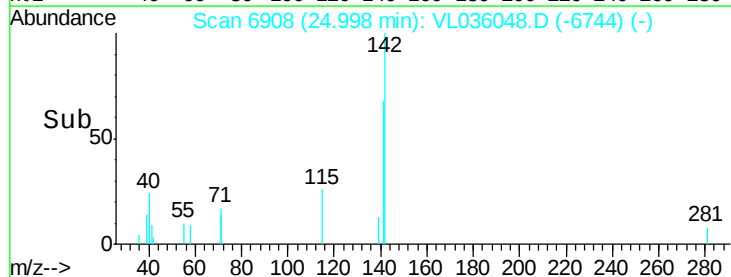
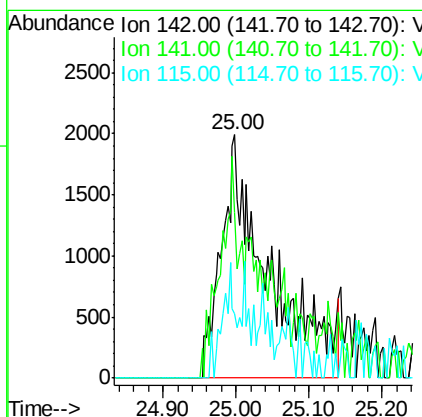
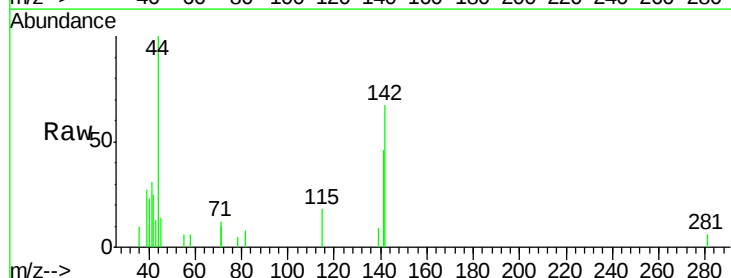
RT: 25.00 min Scan# 6908

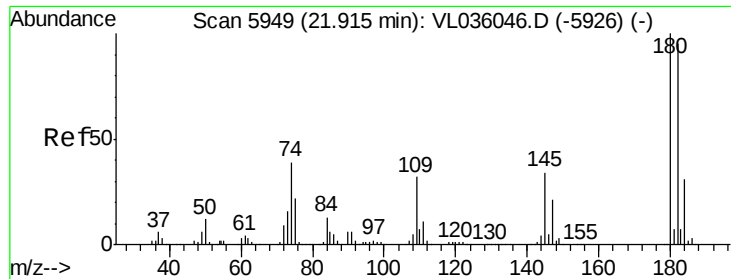
Delta R.T. 0.03 min

Lab File: VL036048.D

Acq: 3 Dec 2020 11:06

Tgt Ion:	142	Resp:	8831
Ion Ratio	Lower	Upper	
142	100		
141	36.7	68.6	103.0#
115	0.0	27.9	41.9#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.525 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.01 min
 Lab File: VL036048.D
 Acq: 3 Dec 2020 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	0.0	78.5	117.7#
184	0.0	25.0	37.6#

Manual Integrations
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