

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034984.D
 Acq On : 12 May 2020 11:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:11:29 PM

Quant Time: May 13 01:19:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1104541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2566138	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	2472850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1988278	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1298568	8.284	ppbv 98
3) Chlorodifluoromethane	2.94	51	1128793	8.951	ppbv 99
4) Chloromethane	3.10	50	665958	9.215	ppbv 99
5) Vinyl Chloride	3.21	62	643622	9.129	ppbv 99
6) Bromomethane	3.43	94	389791	9.260	ppbv 86
7) Chloroethane	3.52	64	238248	9.409	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1476556	9.101	ppbv 100
9) Propene	2.96	41	490231	8.959	ppbv 96
10) Heptane	8.13	43	1386895	10.117	ppbv 100
11) Trichlorofluoromethane	3.92	101	1515484	9.376	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1074731	9.338	ppbv 98
13) Ethanol	3.57	45	126272	6.993	ppbv 98
14) Bromoethene	3.70	108	473226	9.949	ppbv 100
15) Acetone	3.82	43	1169361	8.008	ppbv 100
16) 1,3-Butadiene	3.29	39	594464	9.460	ppbv 99
17) tert-Butyl alcohol	4.26	59	1038707	7.995	ppbv 100
18) 1,1-Dichloroethene	4.26	96	491925	9.852	ppbv 99
19) Isopropyl Alcohol	3.93	45	752001	7.722	ppbv 99
20) Methylene Chloride	4.31	84	430381	8.903	ppbv 93
21) Allyl Chloride	4.38	41	837826	10.158	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	487169	9.849	ppbv 96
23) Vinyl Acetate	5.05	43	1748017	9.440	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1315125	9.221	ppbv 99
25) Ethyl Acetate	5.66	43	2300414	9.379	ppbv 99
26) Hexane	5.67	57	1017910	9.572	ppbv 99
27) Carbon Disulfide	4.52	76	1284733	10.250	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1503680	9.285	ppbv 100
29) Chloroform	5.74	83	1609254	9.249	ppbv 97
30) Cyclohexane	7.13	84	857567	10.450	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1029033	9.918	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	1533736	9.761	ppbv 100
34) 2-Butanone	5.22	43	1492340	9.357	ppbv 100
35) Carbon Tetrachloride	7.01	117	1590976	9.823	ppbv 96
36) Benzene	6.89	78	2050282	9.691	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1227502	9.406	ppbv 100
38) Trichloroethene	7.84	130	789164	9.628	ppbv 97
39) 1,2-Dichloropropane	7.62	63	810340	9.554	ppbv 97
40) 1,4-Dioxane	7.83	88	287168	8.330	ppbv 71
41) Tetrahydrofuran	6.03	42	838841	9.990	ppbv 99
42) Bromodichloromethane	7.80	83	1716903	9.755	ppbv 98
43) Methyl Methacrylate	8.02	69	939536	10.517	ppbv 100

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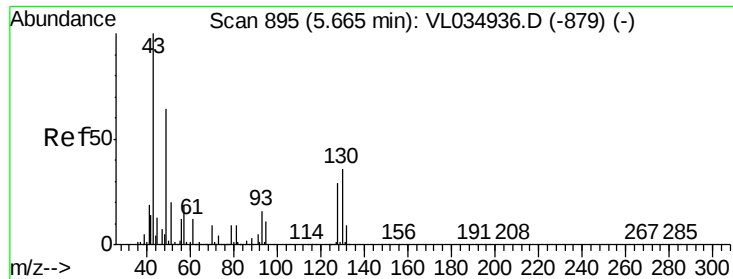
Manual Integrations
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Quant Time: May 13 01:19:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3575903	9.507	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1034463	11.474	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1236146	11.168	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	863956	9.653	ppbv	98
48) Dibromochloromethane	10.32	129	1435607	10.431	ppbv	100
49) Bromoform	13.07	173	1260744	10.646	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2282473	10.036	ppbv	99
51) 2-Hexanone	10.15	43	1868804	10.506	ppbv #	99
52) Tetrachloroethene	11.24	164	710640	9.446	ppbv	98
53) Toluene	9.82	91	2382670	10.624	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1296076	9.861	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1070995	9.604	ppbv	95
57) Chlorobenzene	12.17	112	1819971	9.290	ppbv	99
58) Ethyl Benzene	12.73	91	3211921	10.504	ppbv	100
59) m/p-Xylene	13.02	91	5336154m	19.834	ppbv	
60) o-Xylene	13.72	91	2641867	9.951	ppbv	100
61) Styrene	13.56	104	1894002	11.273	ppbv	99
62) Isopropylbenzene	14.70	105	3871057	9.766	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1886327	9.026	ppbv	100
64) n-propylbenzene	15.60	120	1029705	10.128	ppbv	100
65) tert-Butylbenzene	16.78	119	3329983	9.686	ppbv	99
66) Benzyl Chloride	17.03	91	1306450	11.194	ppbv	99
67) sec-Butylbenzene	17.33	105	4751348	9.682	ppbv	100
69) p-Isopropyltoluene	17.69	119	3922755	9.881	ppbv	99
70) n-Butylbenzene	18.59	91	4109934	9.726	ppbv	99
71) 2-Chlorotoluene	15.49	91	3012364	10.068	ppbv	99
72) 4-Ethyltoluene	15.87	105	3077548	10.390	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2858290	9.916	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2967616	9.432	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1654806	8.957	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1695415	9.658	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1614450	9.275	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1287670	8.678	ppbv	99
79) Naphthalene	22.26	128	2905112	11.857	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1190059	19.760	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1522921	10.250	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1104541

Ion Ratio Lower Upper

49 100

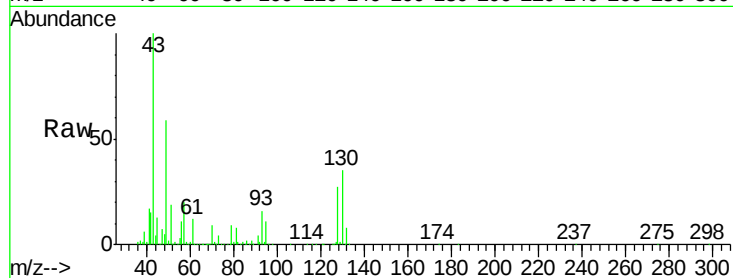
128 44.7 22.1 66.5

130 57.0 29.1 87.3

Manual Integrations
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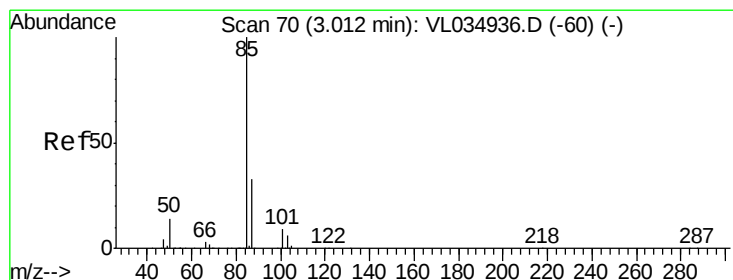
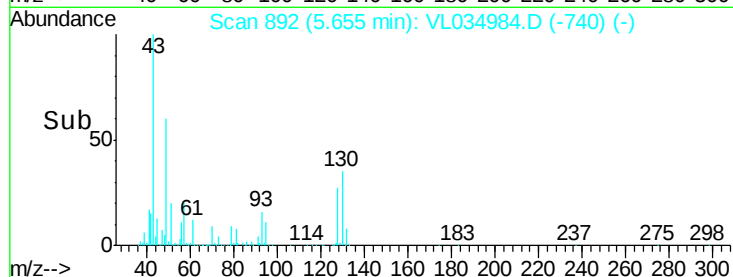
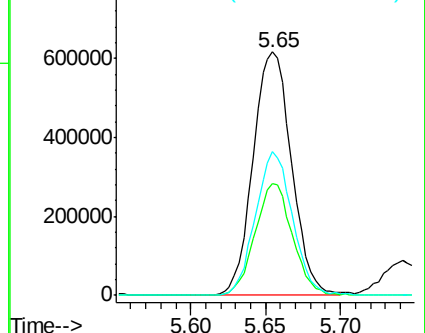
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.284 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL034984.D

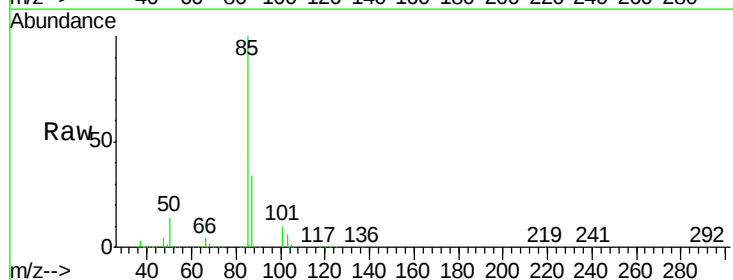
Acq: 12 May 2020 11:37

Tgt Ion: 85 Resp: 1298568

Ion Ratio Lower Upper

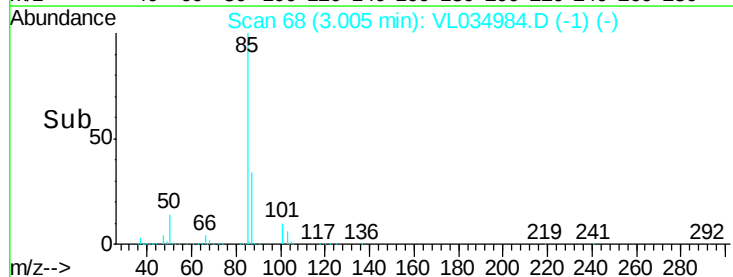
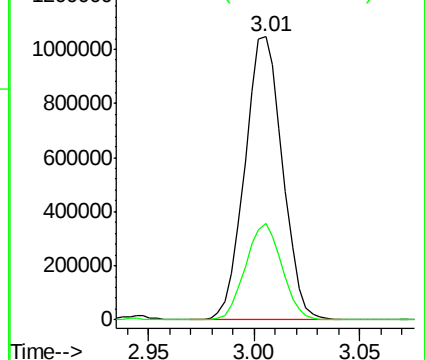
85 100

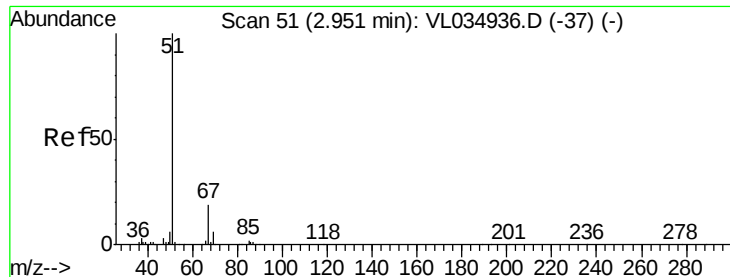
87 34.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.951 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Tot Ion: 51 Resp: 1128793

Ion Ratio Lower Upper

51 100

67 19.1 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

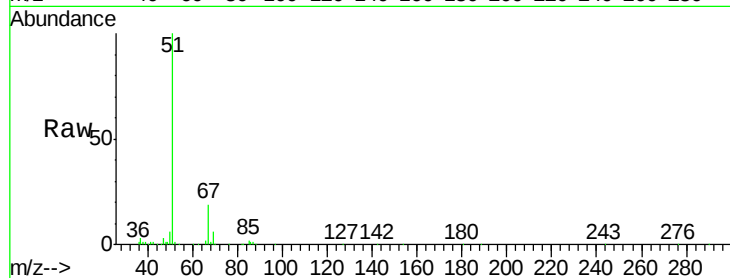
VSTDCCC010

Manual Integrations

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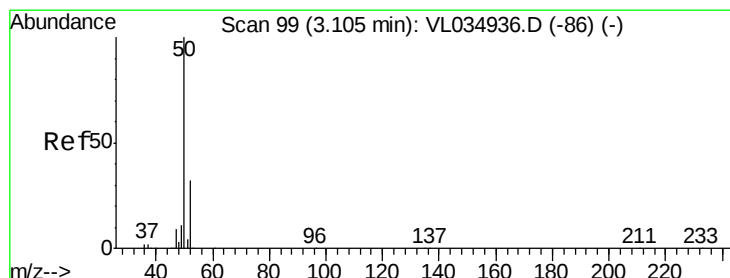
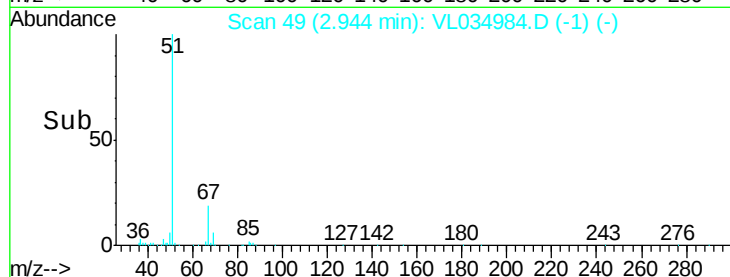
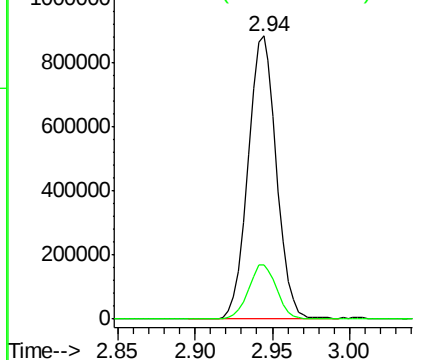
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.215 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.01 min

Lab File: VL034984.D

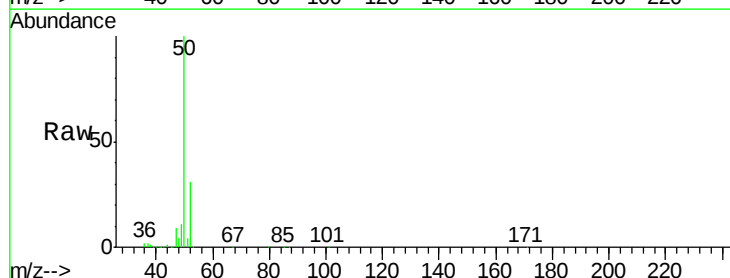
Acq: 12 May 2020 11:37

Tgt Ion: 50 Resp: 665958

Ion Ratio Lower Upper

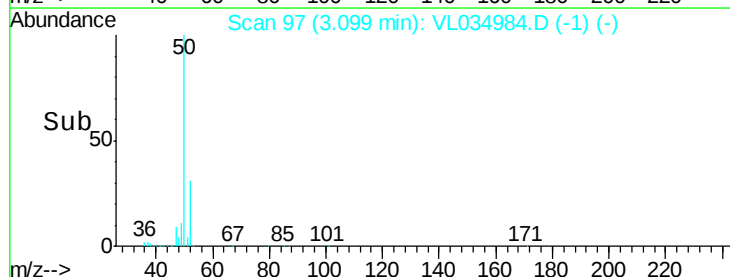
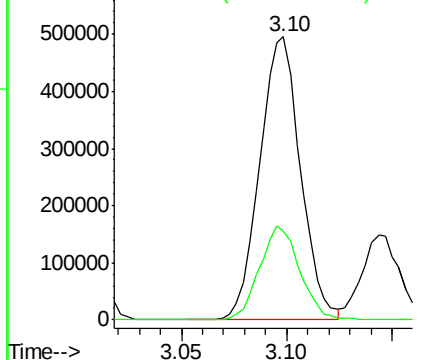
50 100

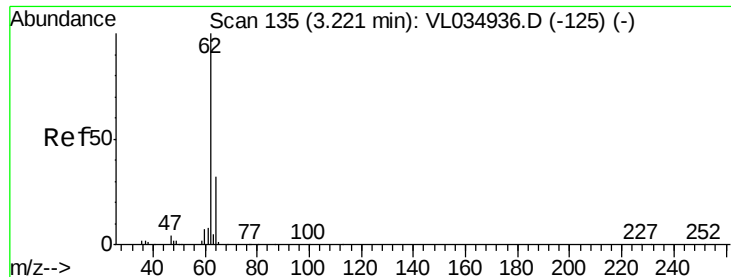
52 31.2 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.129 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 643622

Ion Ratio Lower Upper

62 100

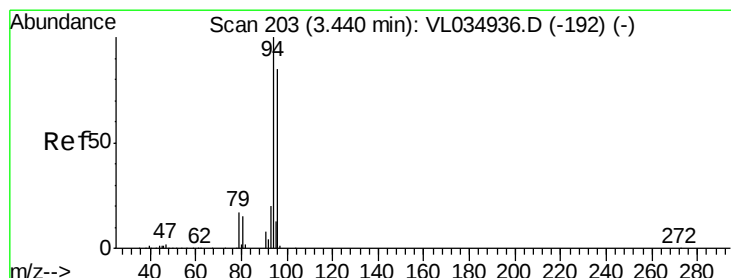
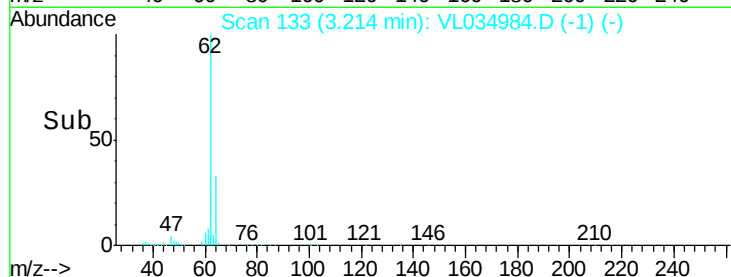
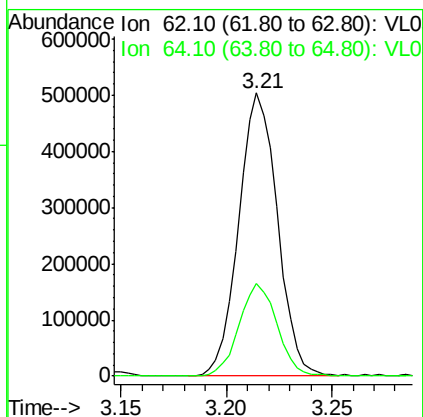
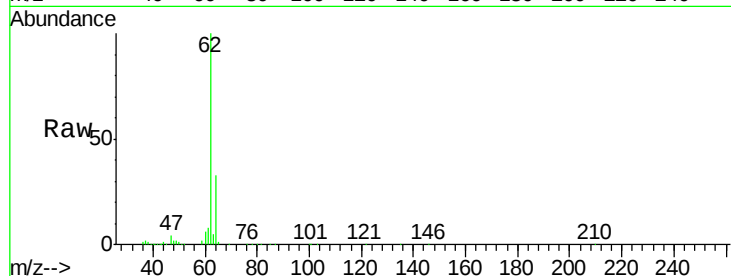
64 32.8 25.7 38.5

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#6

Bromomethane

Concen: 9.260 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL034984.D

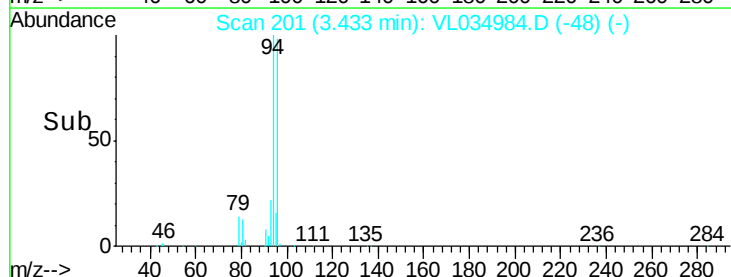
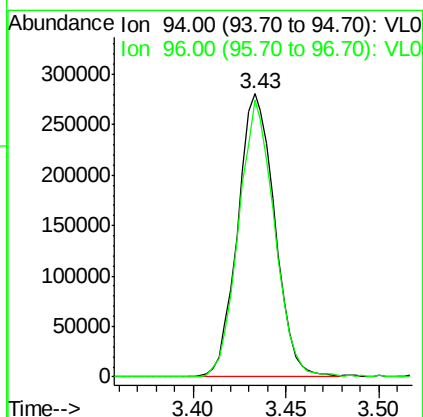
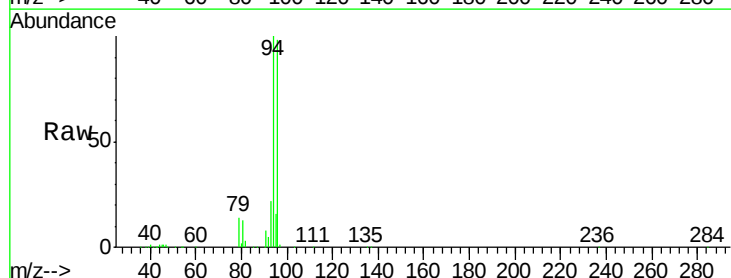
Acq: 12 May 2020 11:37

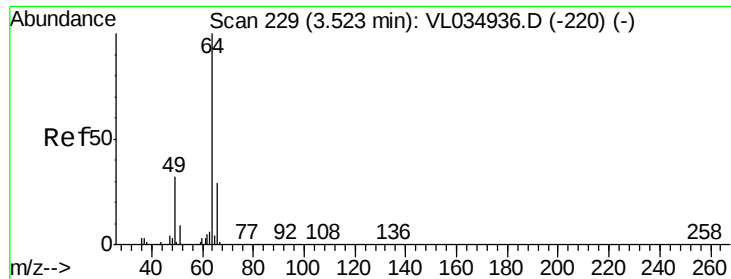
Tgt Ion: 94 Resp: 389791

Ion Ratio Lower Upper

94 100

96 97.9 67.9 101.9





#7

Chloroethane

Concen: 9.409 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 238248

Ion Ratio Lower Upper

64 100

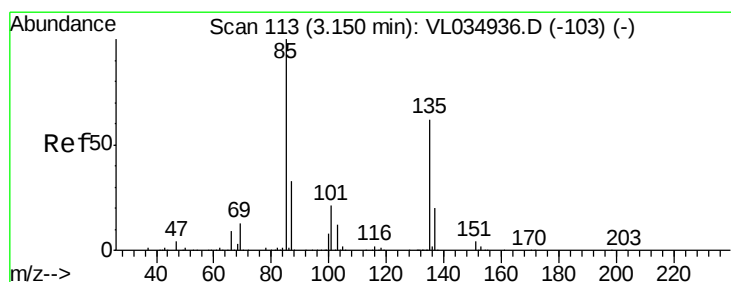
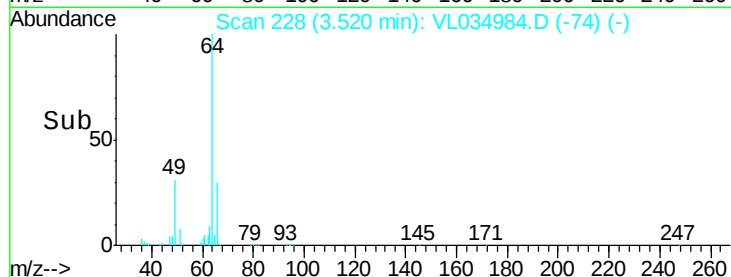
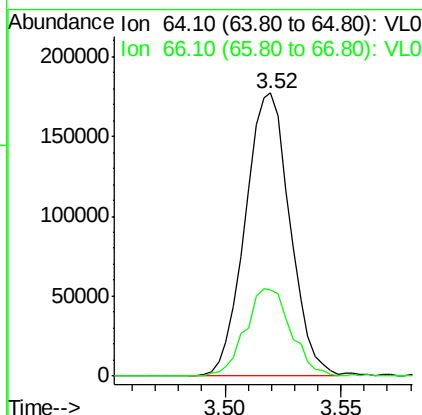
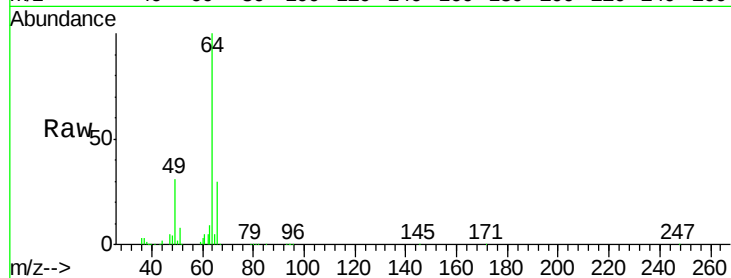
66 30.5 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.101 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL034984.D

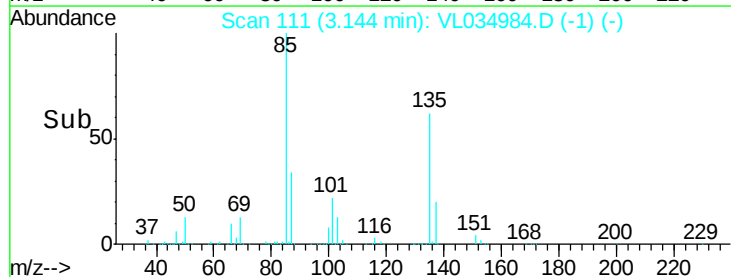
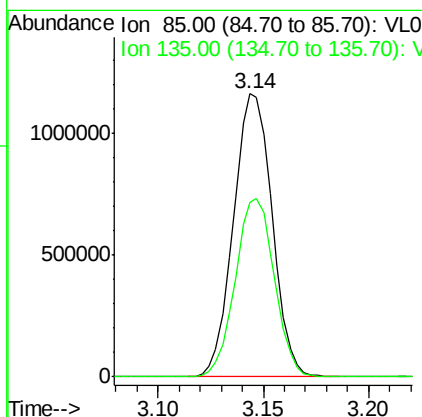
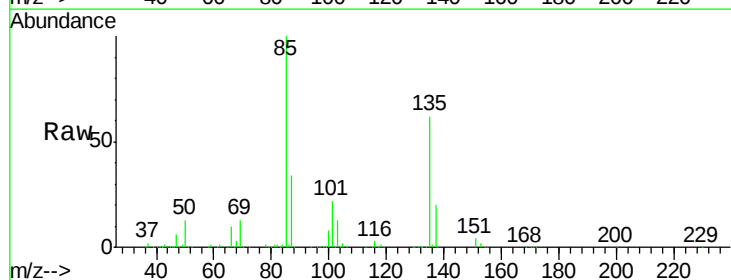
Acq: 12 May 2020 11:37

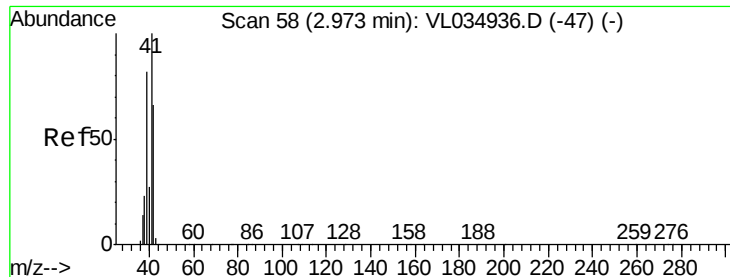
Tgt Ion: 85 Resp: 1476556

Ion Ratio Lower Upper

85 100

135 63.9 50.9 76.3





#9

Propene

Concen: 8.959 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 490231

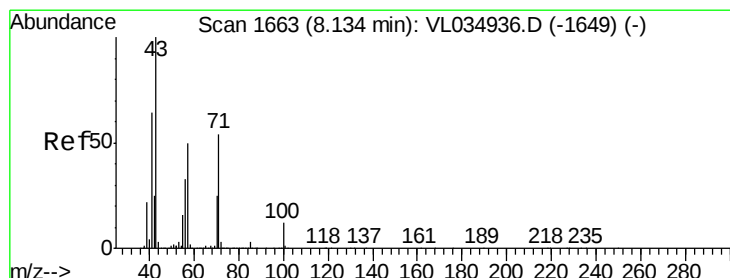
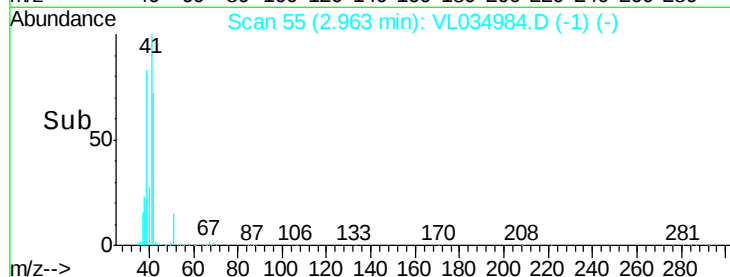
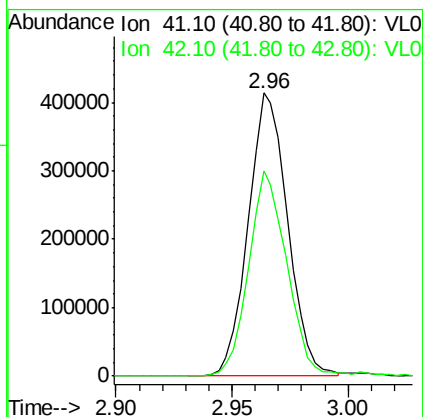
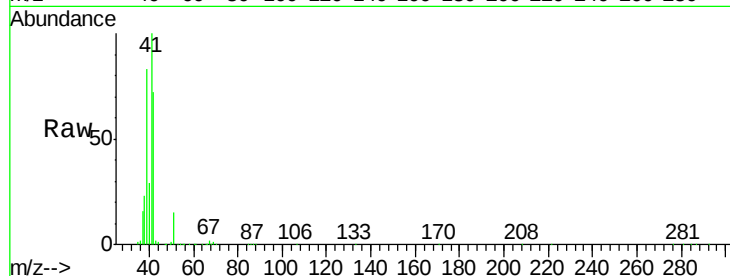
Ion Ratio Lower Upper

41 100

42 71.2 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 10.117 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL034984.D

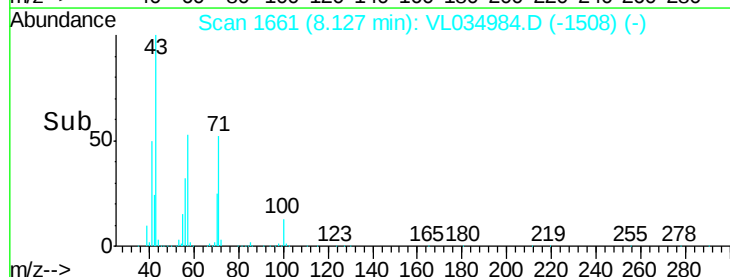
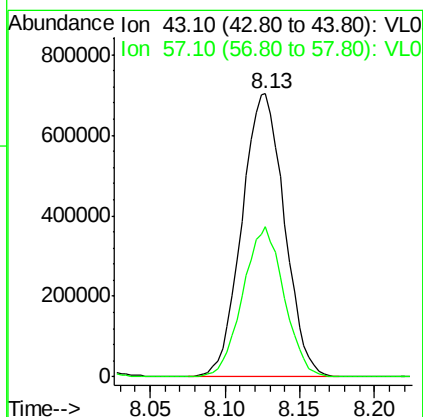
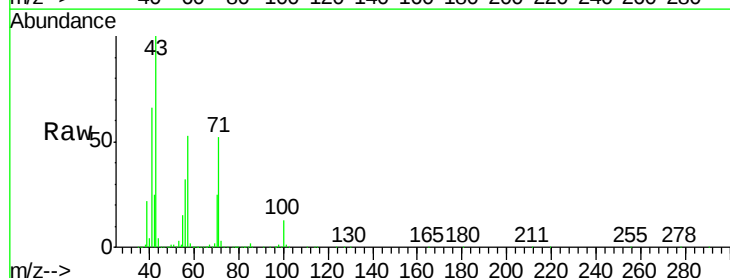
Acq: 12 May 2020 11:37

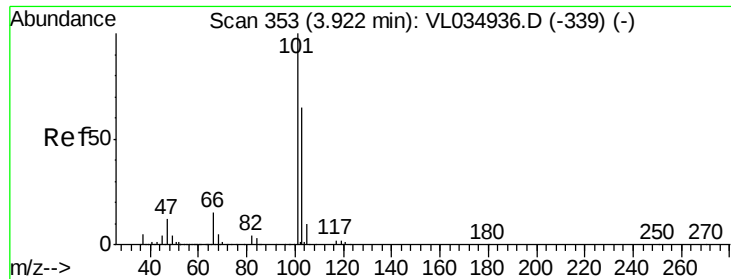
Tgt Ion: 43 Resp: 1386895

Ion Ratio Lower Upper

43 100

57 51.5 41.1 61.7





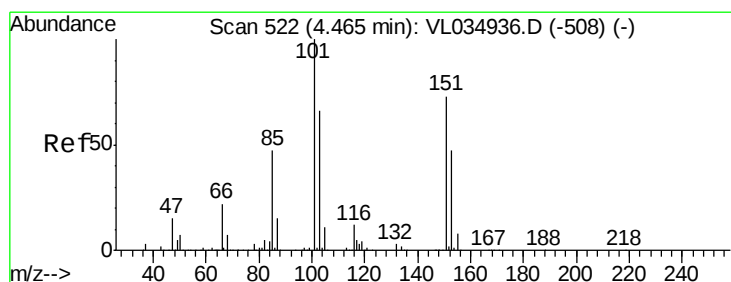
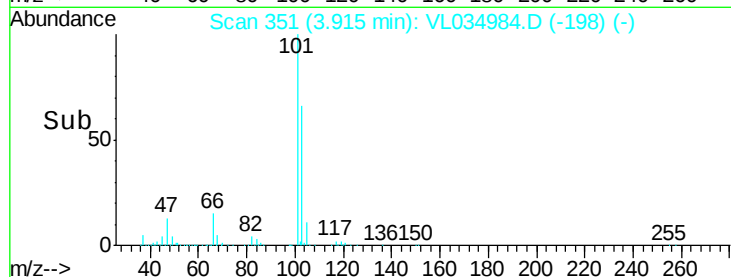
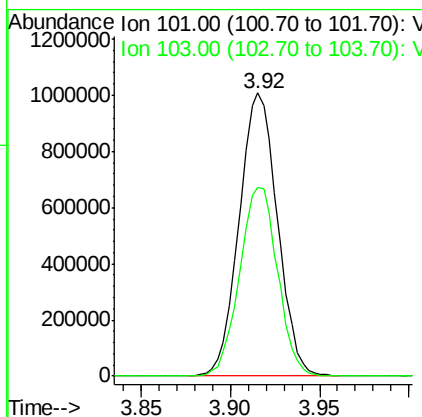
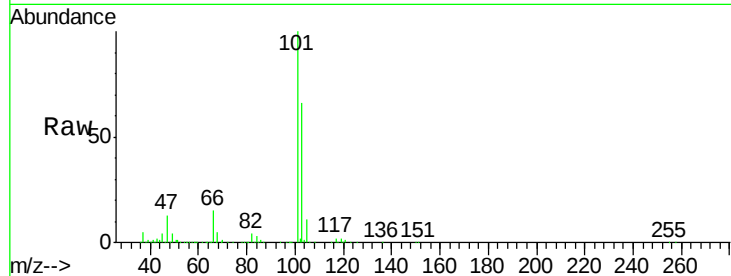
#11
 Trichlorofluoromethane
 Concen: 9.376 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1515484
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.9 77.9

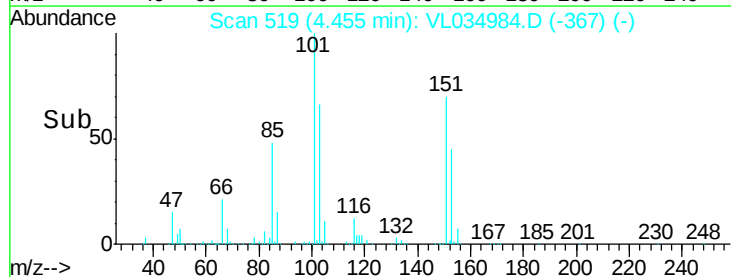
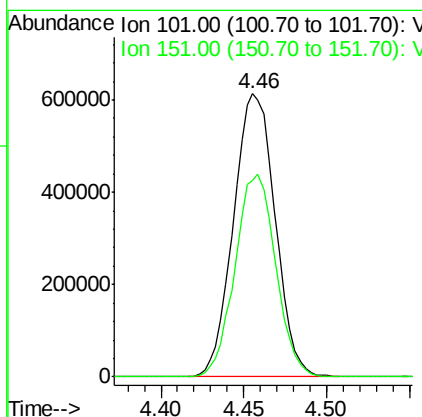
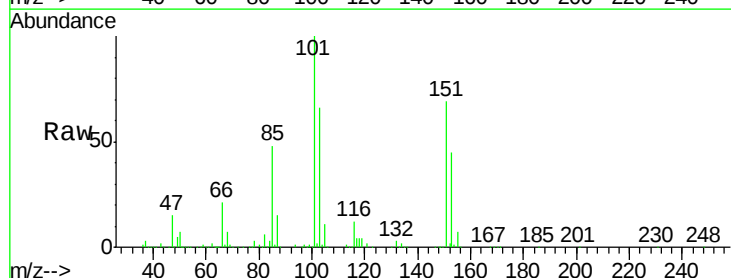
Manual Integrations
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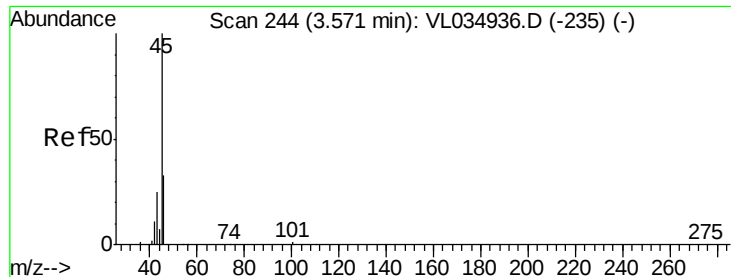
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.338 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion:101 Resp: 1074731
 Ion Ratio Lower Upper
 101 100
 151 70.1 57.6 86.4





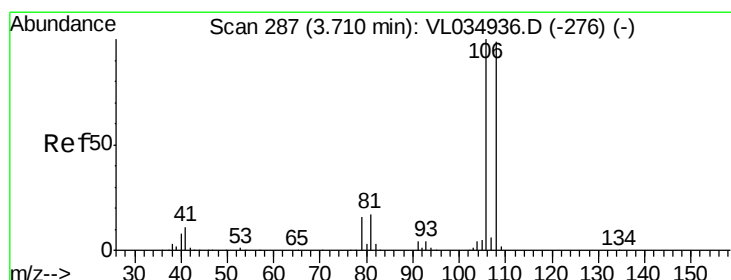
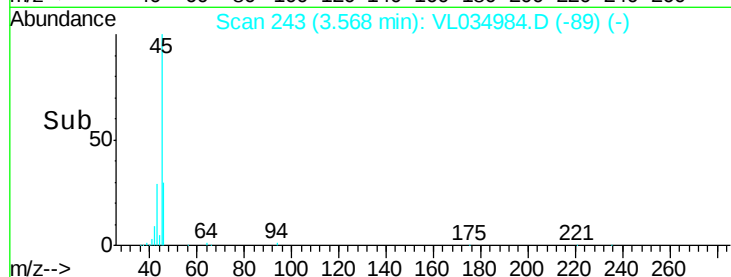
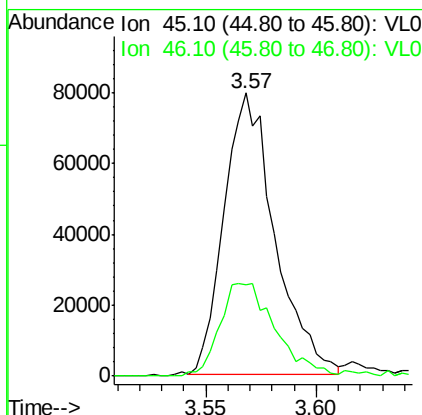
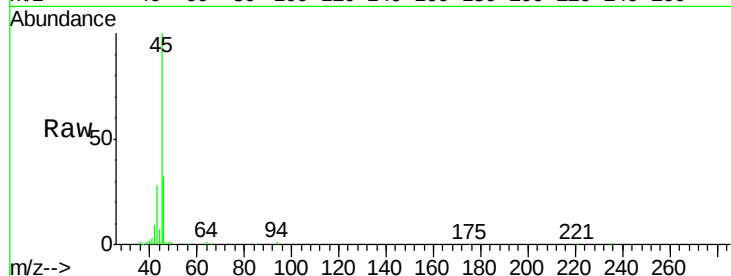
#13
Ethanol
Concen: 6.993 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 126272
Ion Ratio Lower Upper
45 100
46 37.2 14.3 57.3

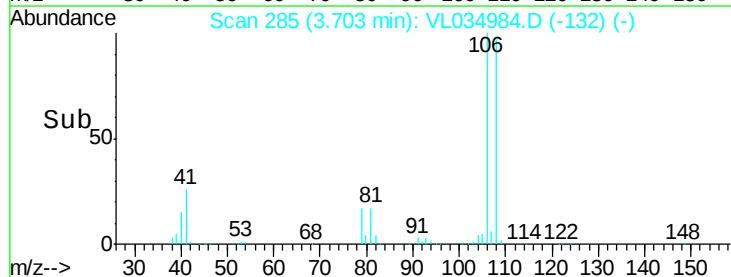
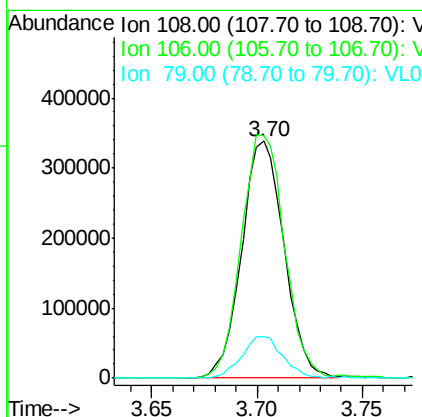
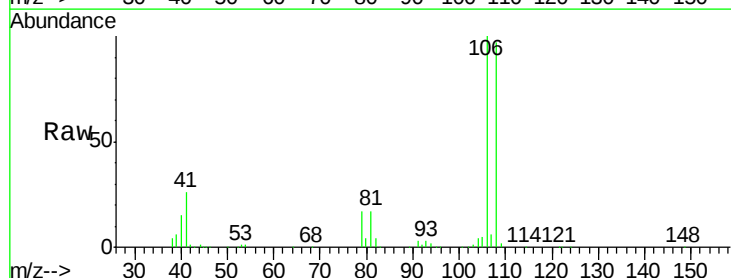
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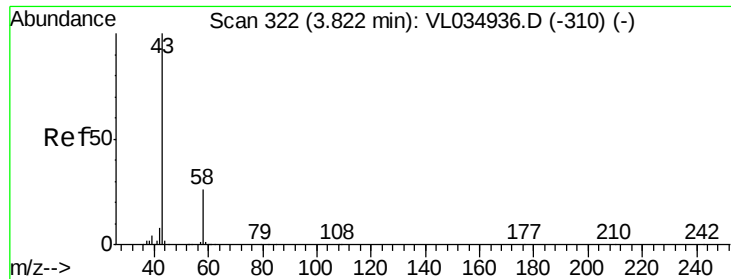
MMDadoda
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#14
Bromoethene
Concen: 9.949 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 108 Resp: 473226
Ion Ratio Lower Upper
108 100
106 105.8 84.9 127.3
79 17.4 14.1 21.1





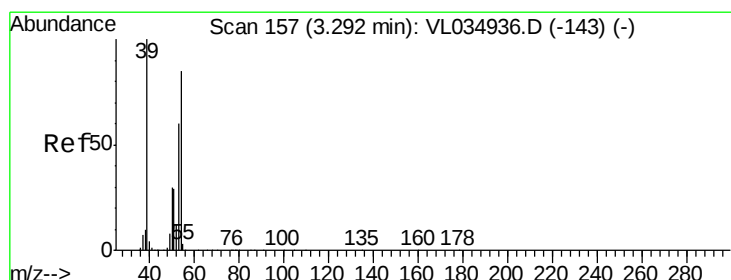
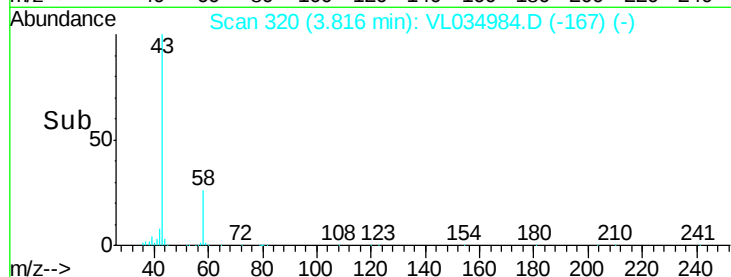
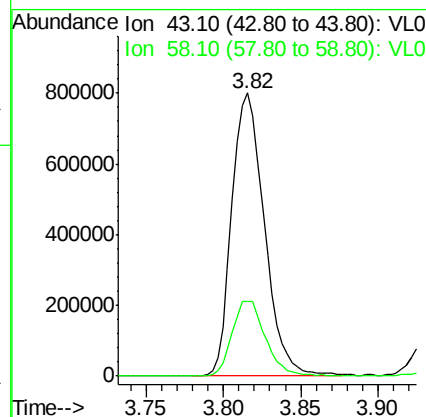
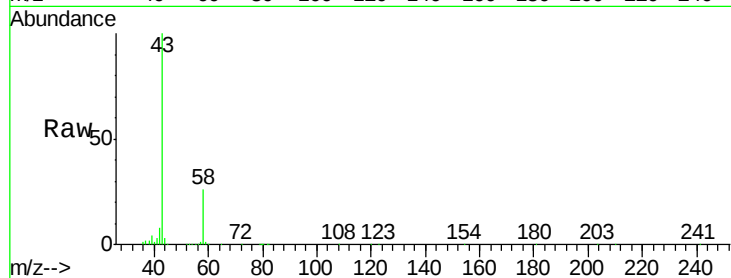
#15
Acetone
Concen: 8.008 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1169361
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5

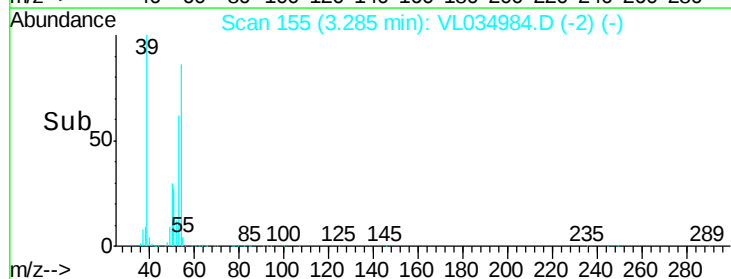
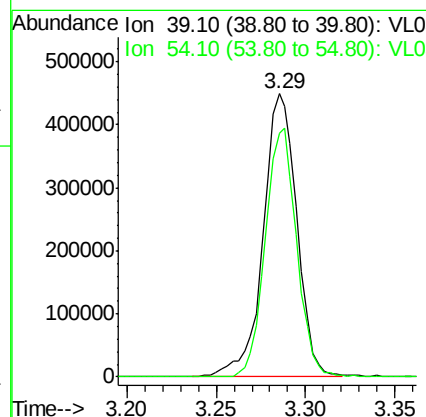
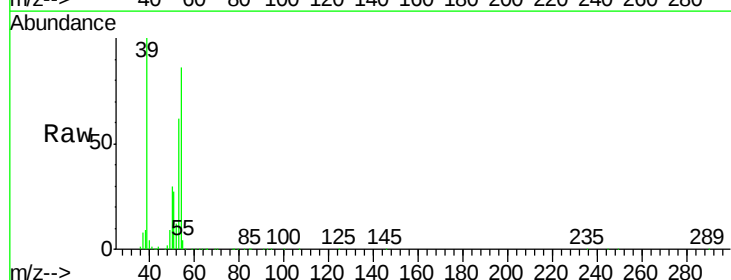
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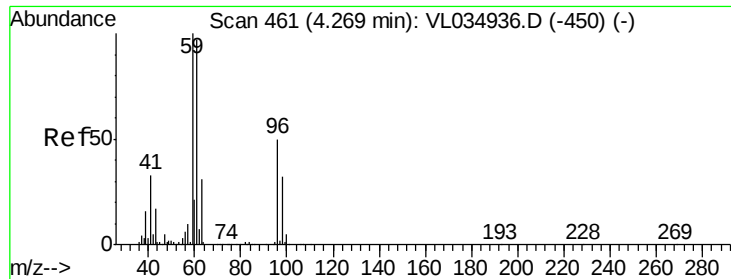
MMDadoda
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#16
1,3-Butadiene
Concen: 9.460 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 39 Resp: 594464
Ion Ratio Lower Upper
39 100
54 82.1 66.6 100.0





#17

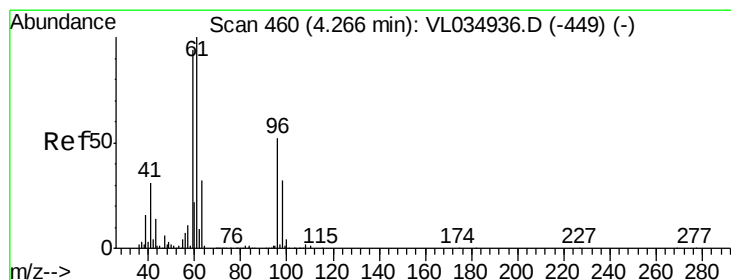
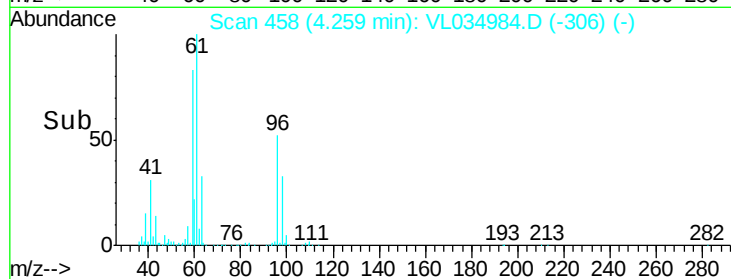
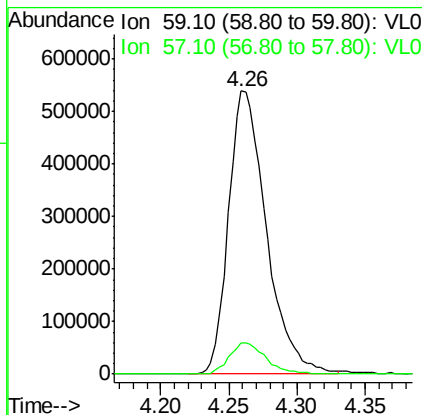
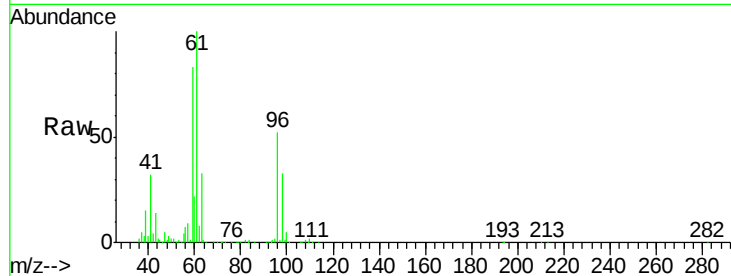
tert-Butyl alcohol
Concen: 7.995 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1038707
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

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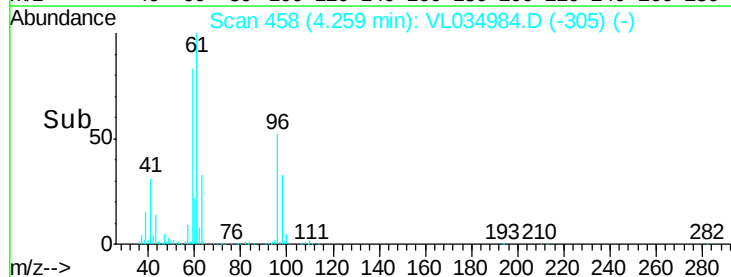
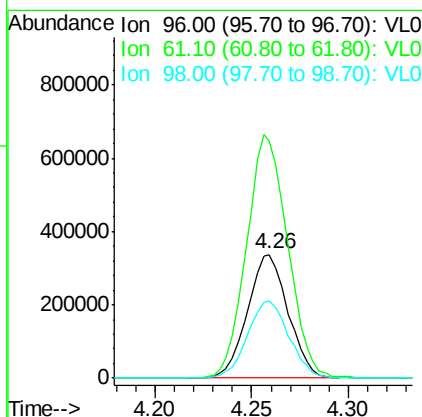
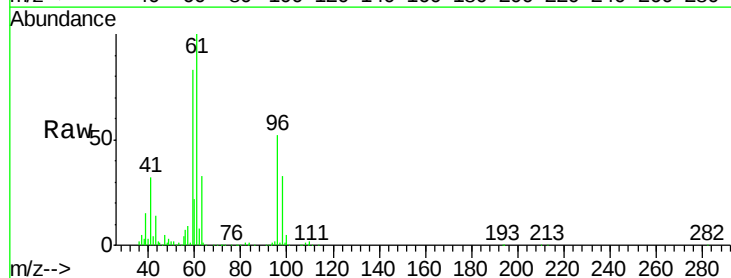
MMDadoda
5/13/2020 5:11:29 PM

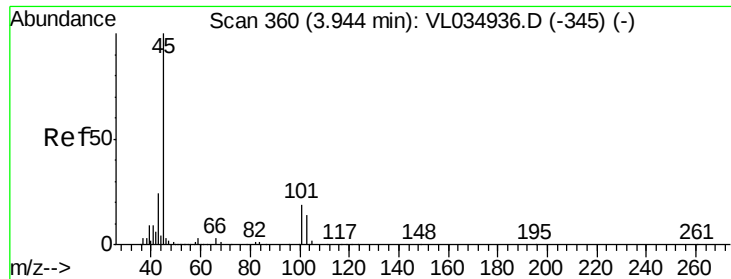


#18

1,1-Dichloroethene
Concen: 9.852 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 96 Resp: 491925
Ion Ratio Lower Upper
96 100
61 191.1 152.4 228.6
98 62.4 48.8 73.2





#19

Isopropyl Alcohol

Concen: 7.722 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 752001

Ion Ratio Lower Upper

45 100

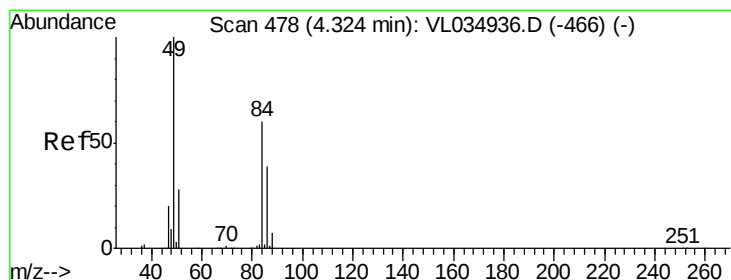
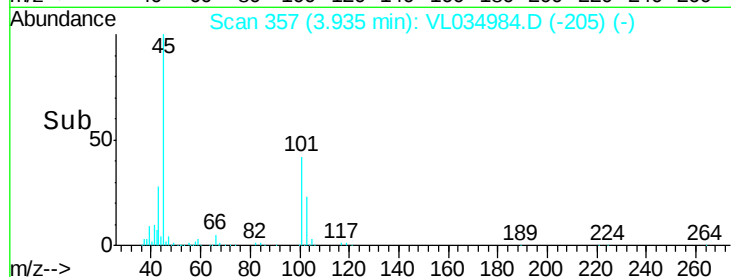
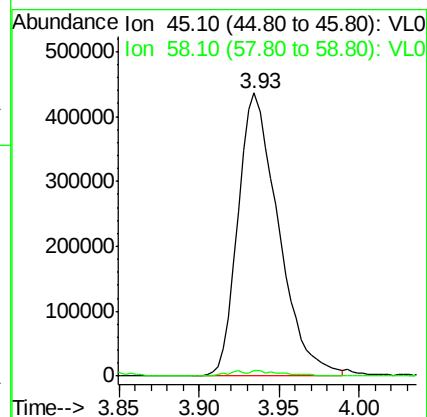
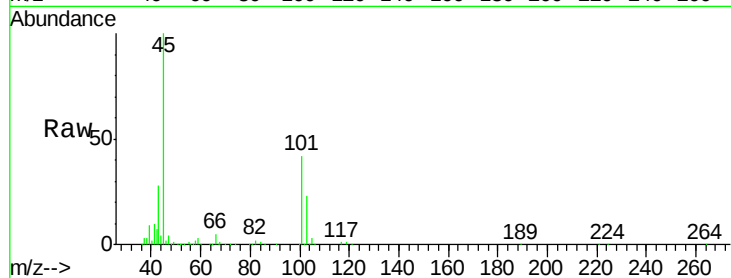
58 2.5 1.7 2.5

Manual Integrations

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#20

Methylene Chloride

Concen: 8.903 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Tgt Ion: 84 Resp: 430381

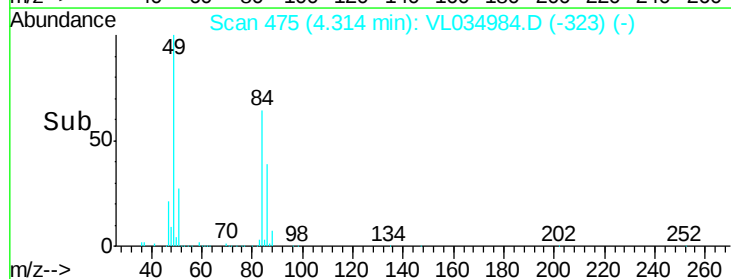
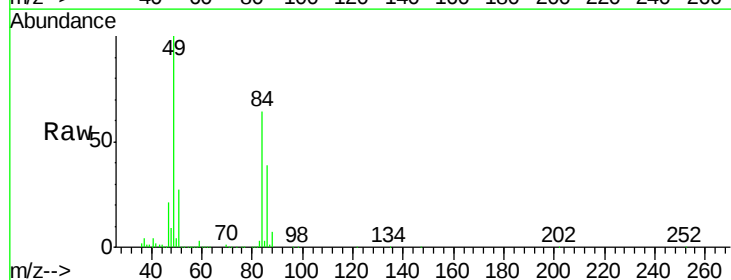
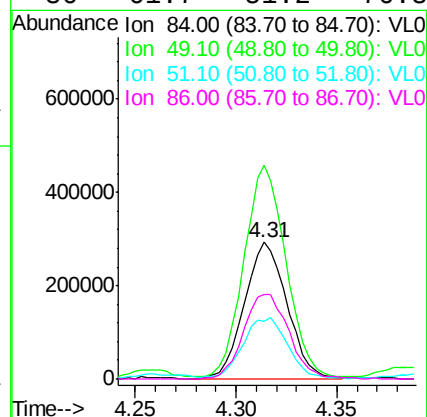
Ion Ratio Lower Upper

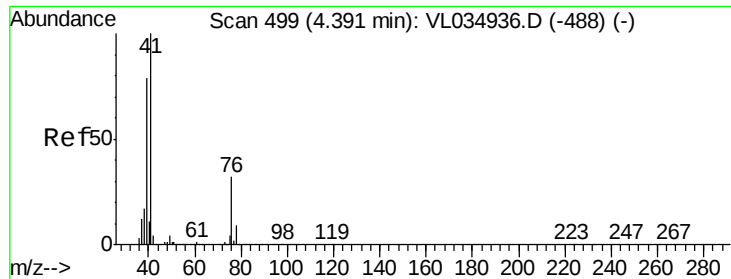
84 100

49 155.4 132.5 198.7

51 41.9 38.4 57.6

86 61.7 51.2 76.8





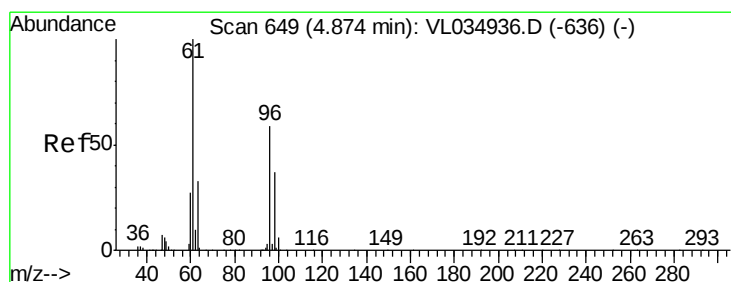
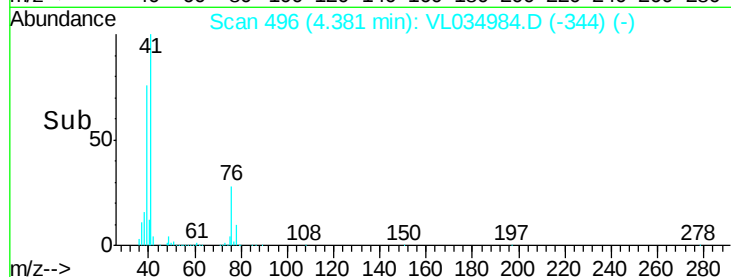
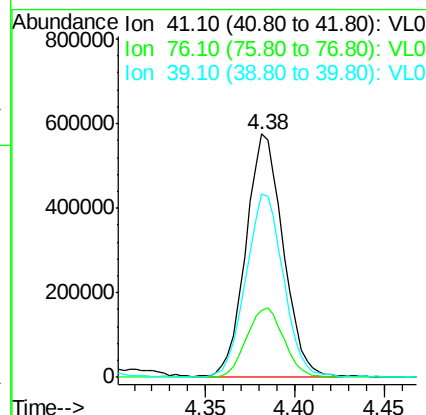
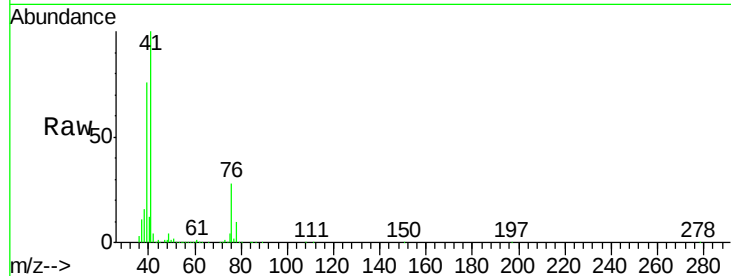
#21
Allvl Chloride
Concen: 10.158 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.6	35.4
39	76.0	61.9	92.9

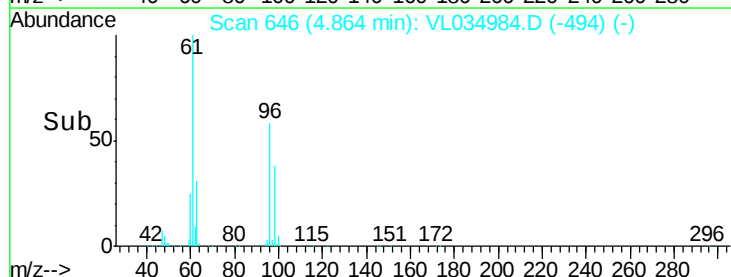
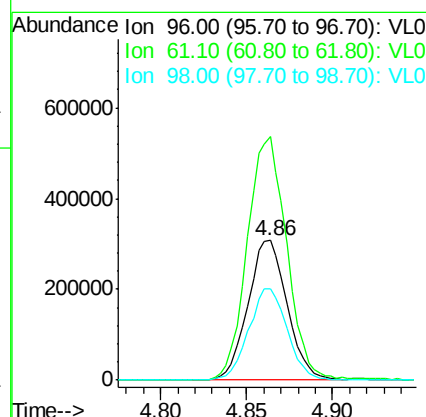
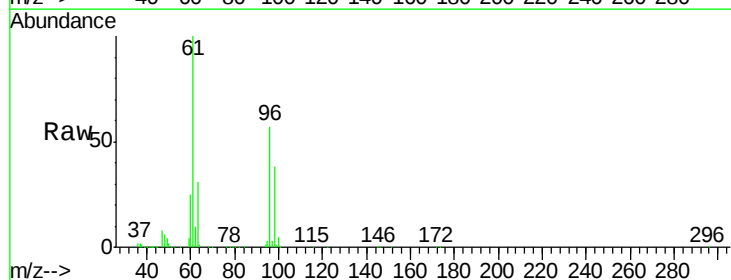
Manual Integrations
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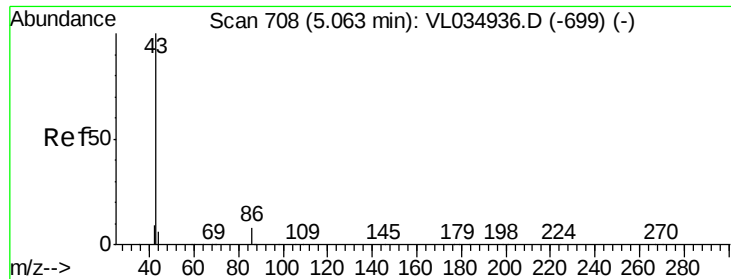
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.849 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	135.3	202.9
98	65.8	50.4	75.6





#23

Vinyl Acetate

Concen: 9.440 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1748017

Ion Ratio Lower Upper

43 100

86 7.2 5.5 8.3

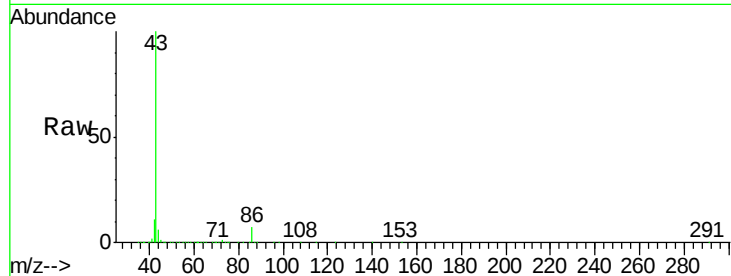
42 10.5 8.0 12.0

44 6.1 4.5 6.7

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5/13/2020 5:11:29 PM

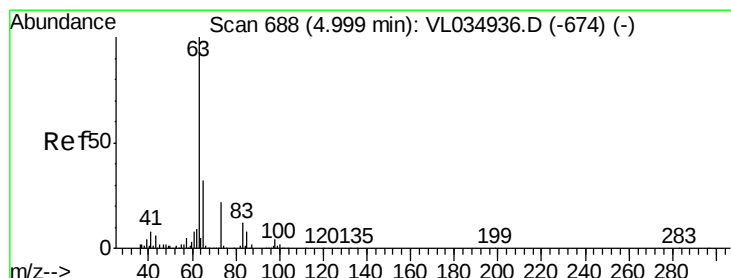
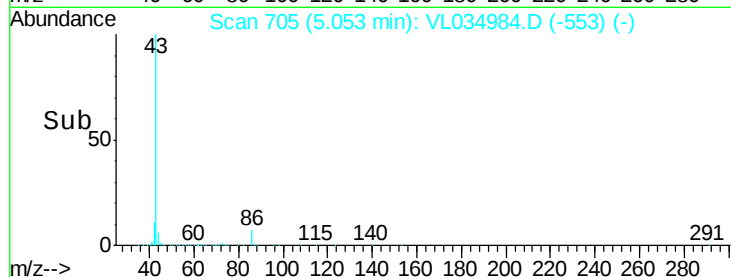
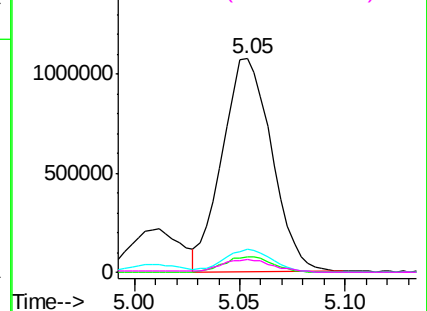


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.221 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

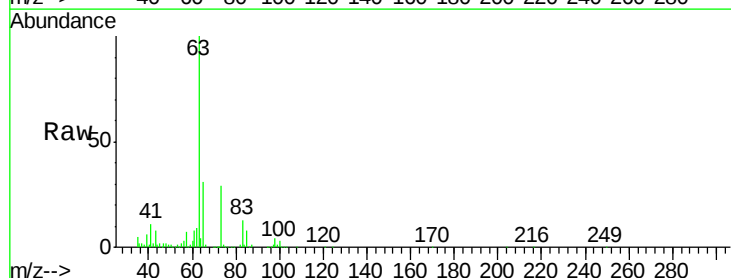
Tgt Ion: 63 Resp: 1315125

Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

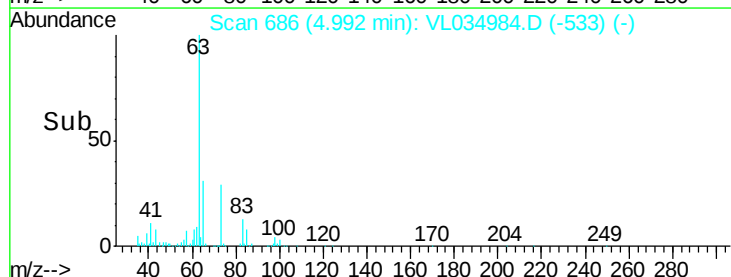
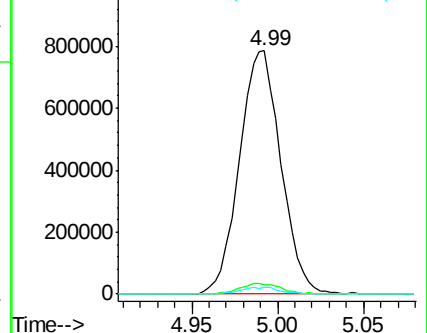
100 2.8 1.1 3.5

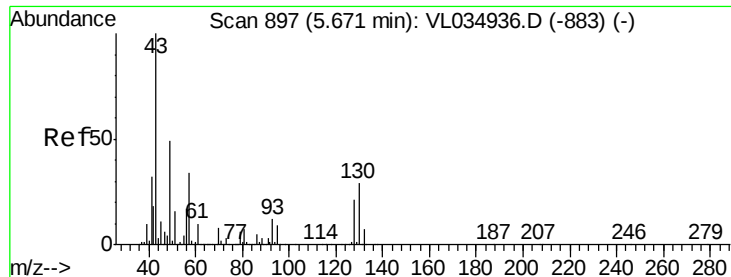


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.379 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2300414

Ion Ratio Lower Upper

43 100

45 10.4 8.1 12.1

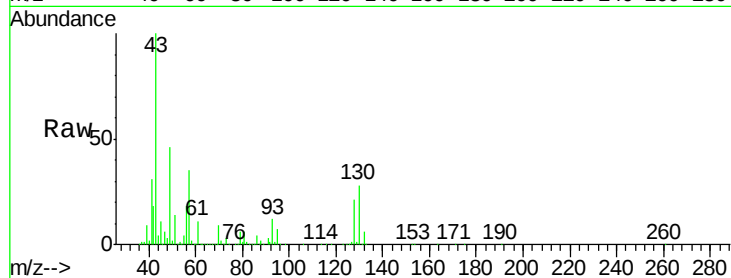
61 10.0 7.8 11.8

70 7.5 6.0 9.0

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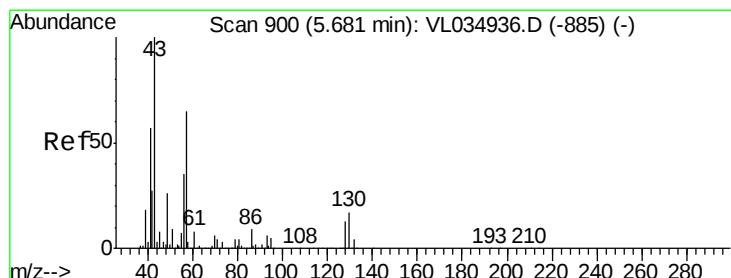
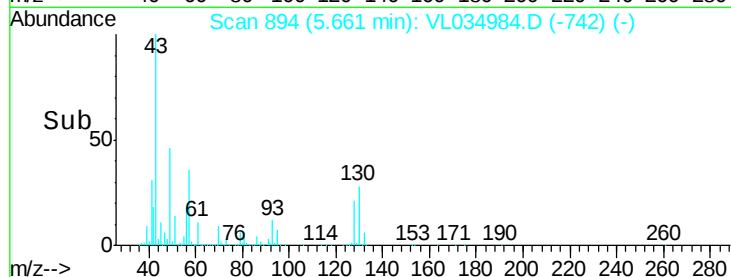
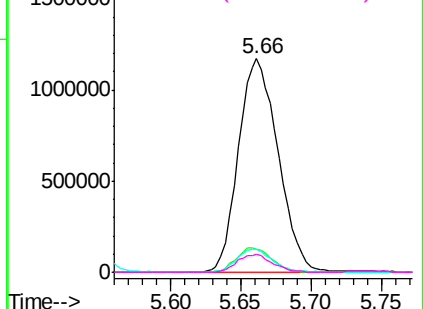


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.572 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Tgt Ion: 57 Resp: 1017910

Ion Ratio Lower Upper

57 100

41 90.7 72.7 109.1

43 226.9 182.1 273.1

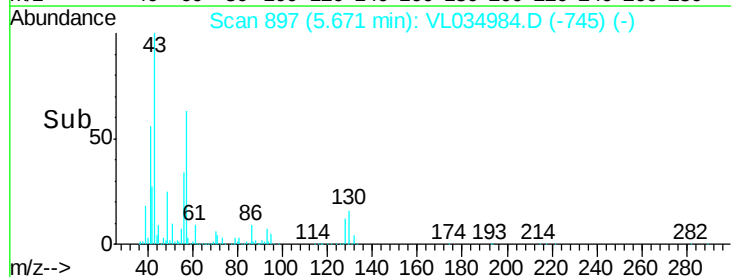
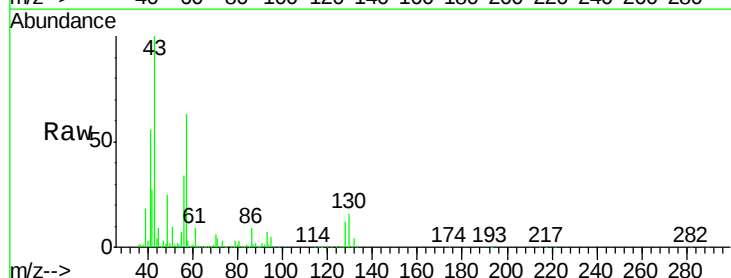
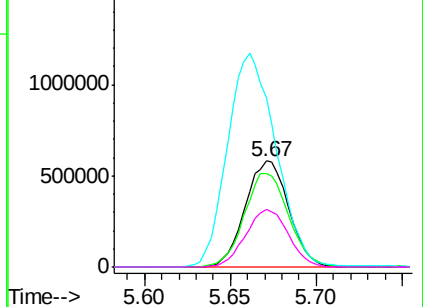
56 53.8 42.2 63.2

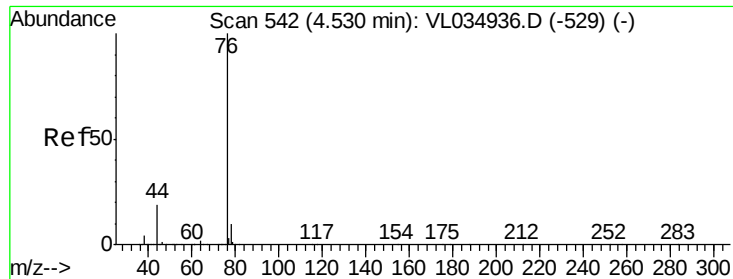
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





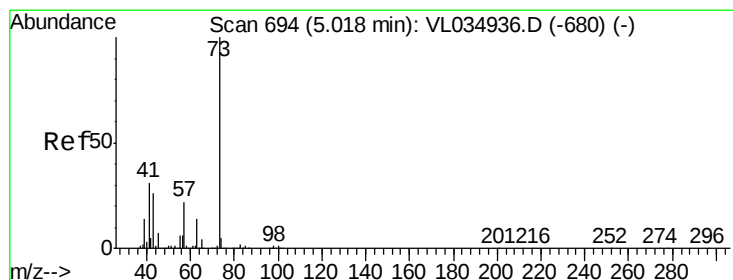
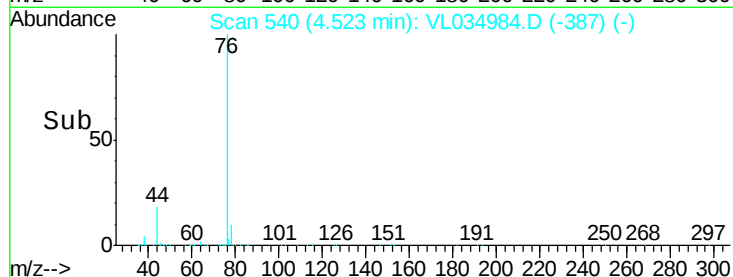
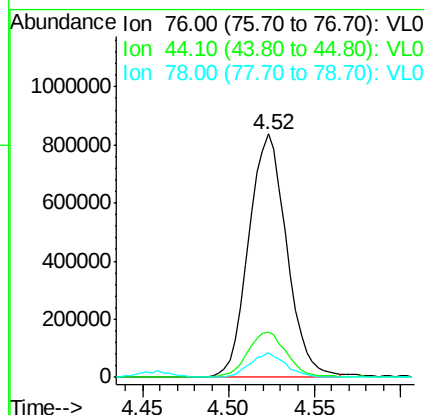
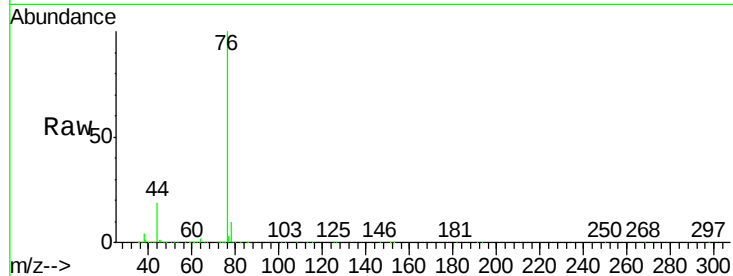
#27
Carbon Disulfide
Concen: 10.250 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.7	15.2	22.8
78	9.6	7.7	11.5

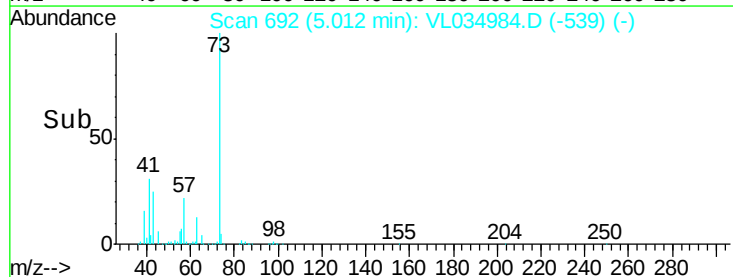
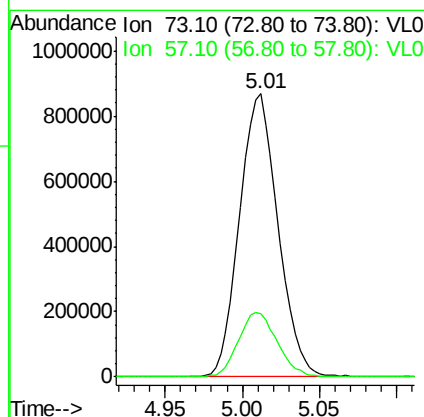
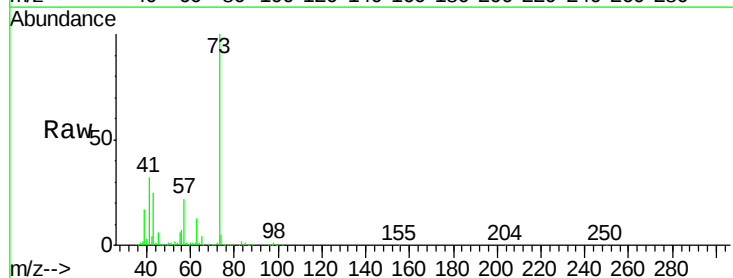
Manual Integrations
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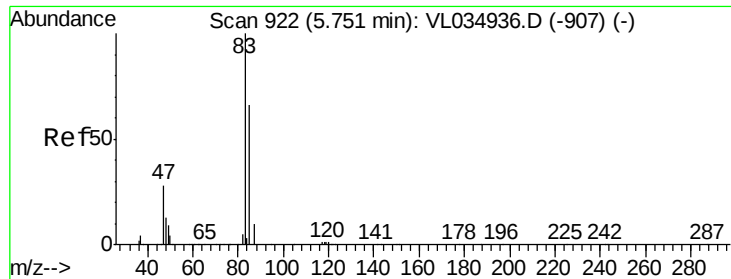
MMDadoda
5/13/2020 5:11:29 PM



#28
Methyl tert-Butyl Ether
Concen: 9.285 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5





#29

Chloroform

Concen: 9.249 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1609254

Ion Ratio Lower Upper

83 100

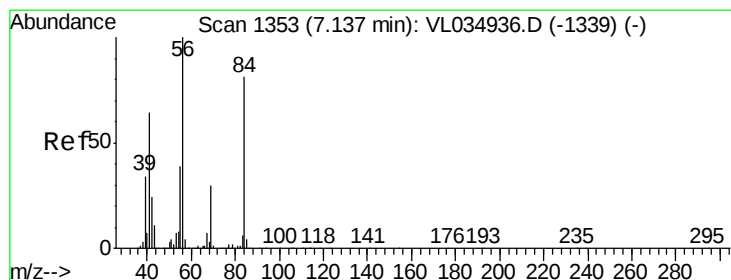
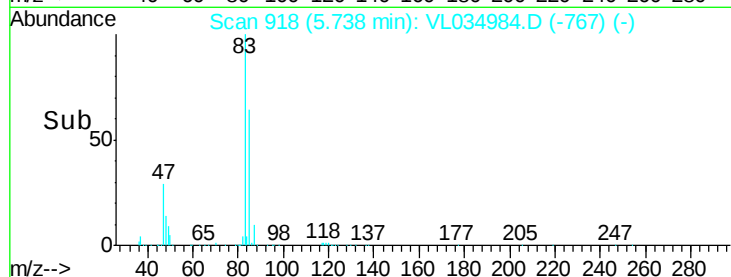
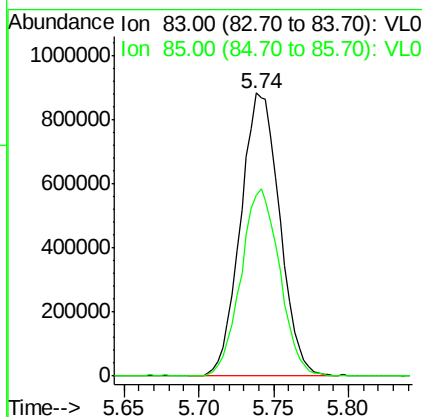
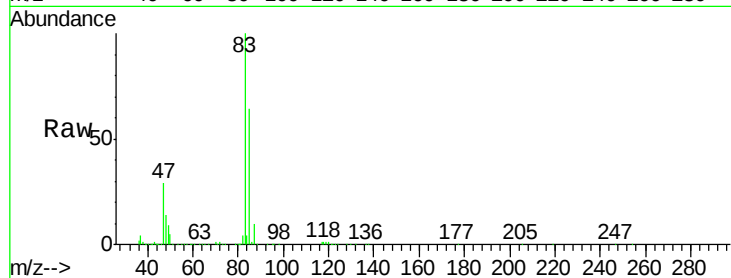
85 63.8 53.0 79.6

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#30

Cyclohexane

Concen: 10.450 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

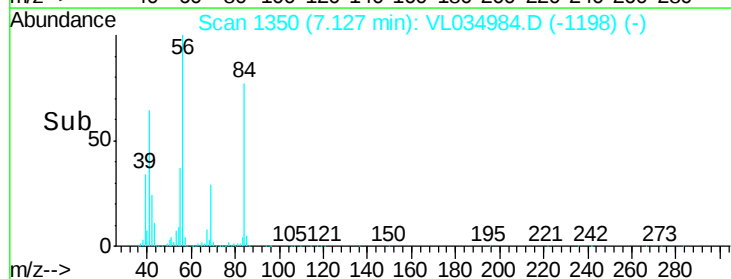
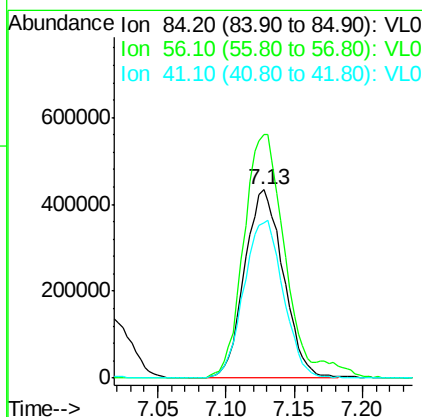
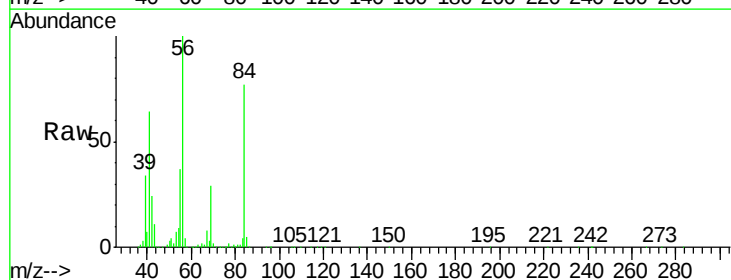
Tgt Ion: 84 Resp: 857567

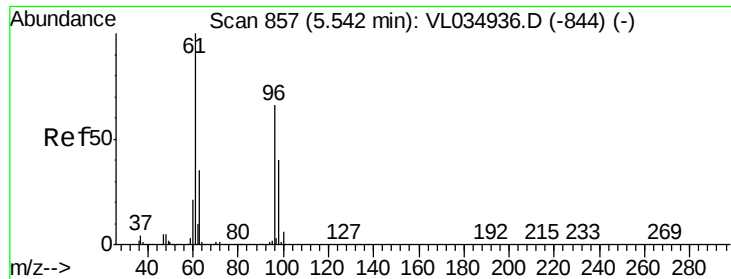
Ion Ratio Lower Upper

84 100

56 139.4 111.4 167.2

41 85.1 66.7 100.1





#31

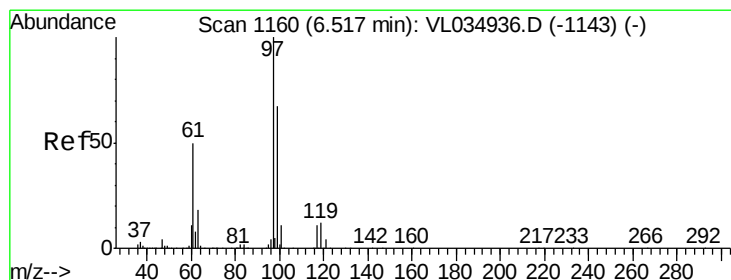
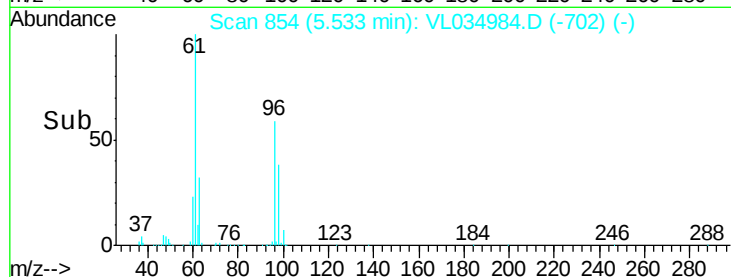
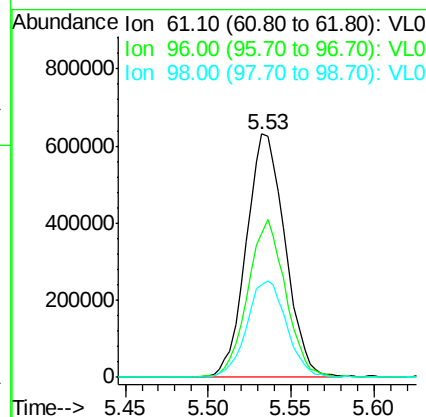
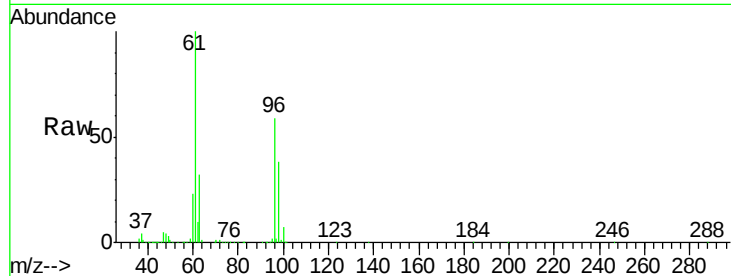
cis-1,2-Dichloroethene
Concen: 9.918 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.3	53.0	79.6
98	38.1	32.2	48.2

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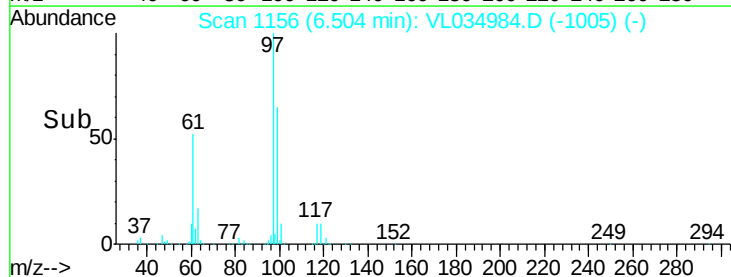
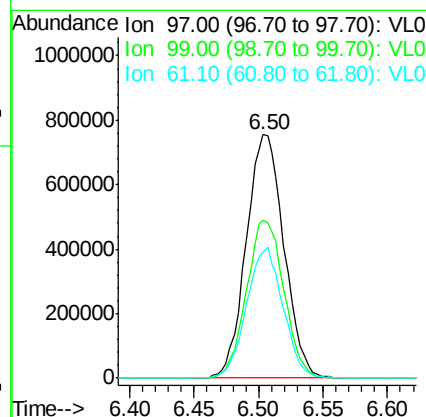
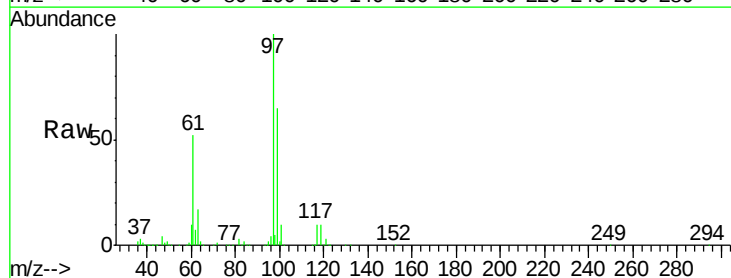
MMDadoda
5/13/2020 5:11:29 PM

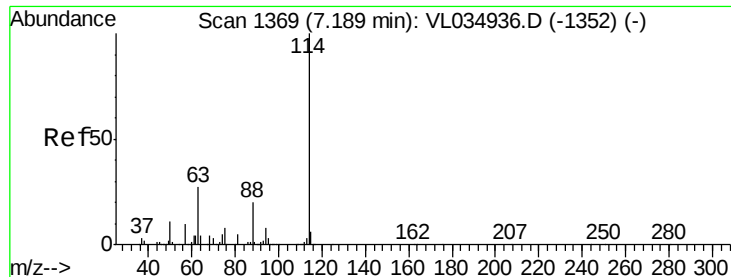


#32

1,1,1-Trichloroethane
Concen: 9.761 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	52.1	41.8	62.8





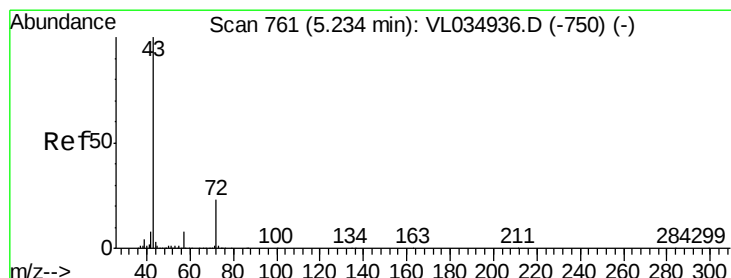
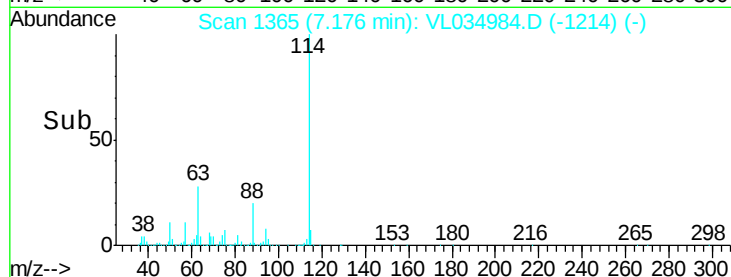
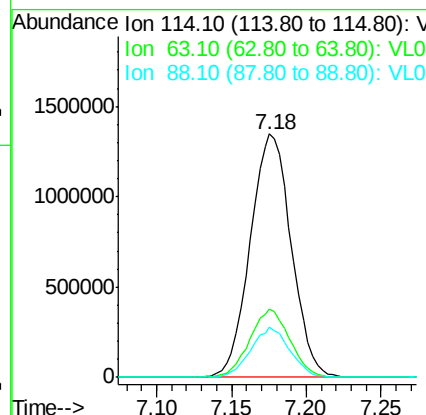
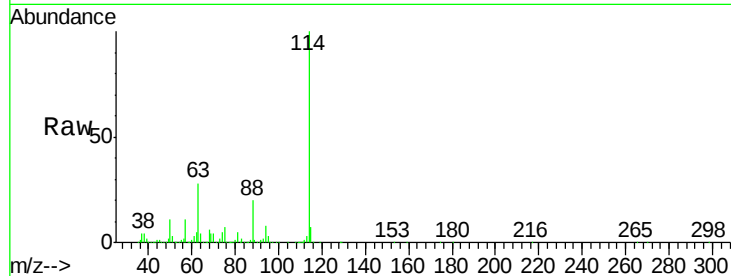
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.4
88	19.6	15.5	23.3

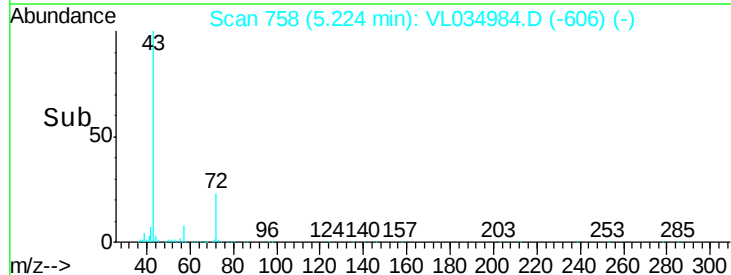
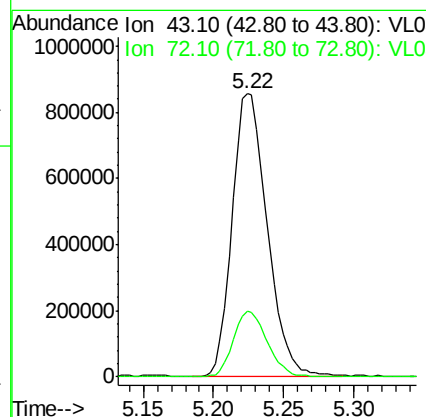
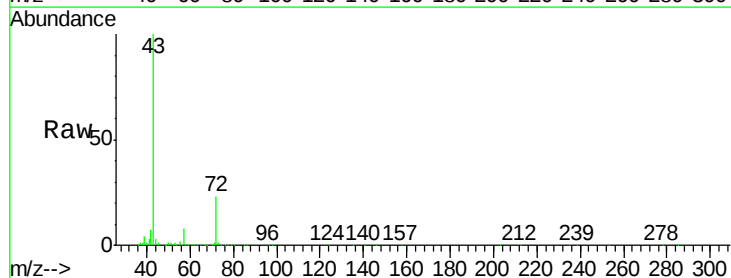
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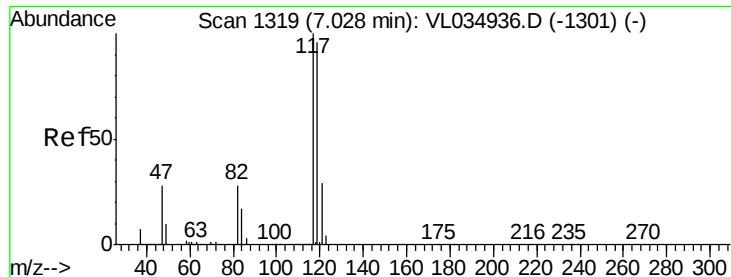
MMDadoda
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#34
 2-Butanone
 Concen: 9.357 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.0	27.0





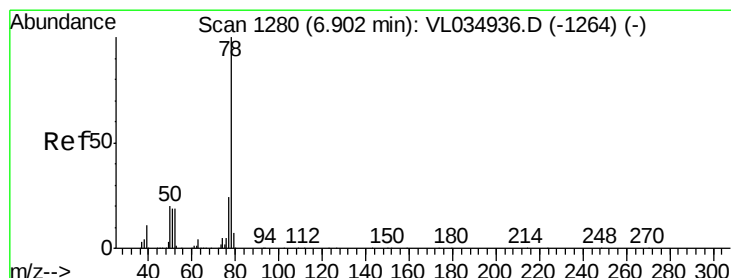
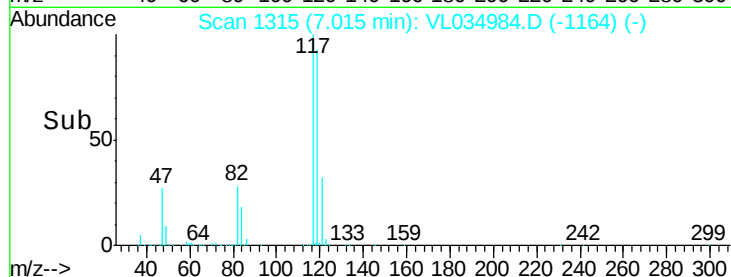
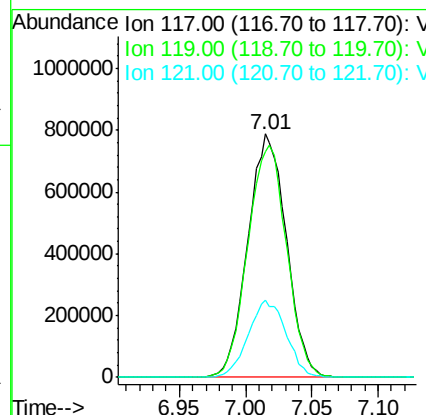
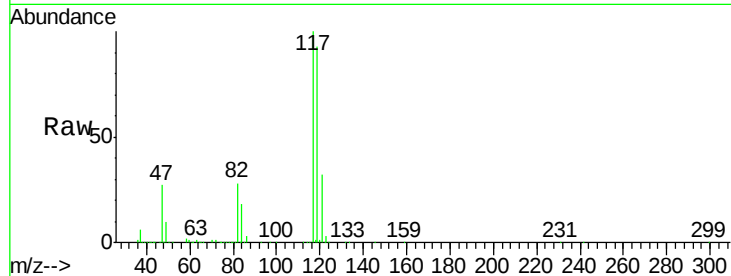
#35
Carbon Tetrachloride
Concen: 9.823 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.0	115.6
121	31.9	23.0	34.6

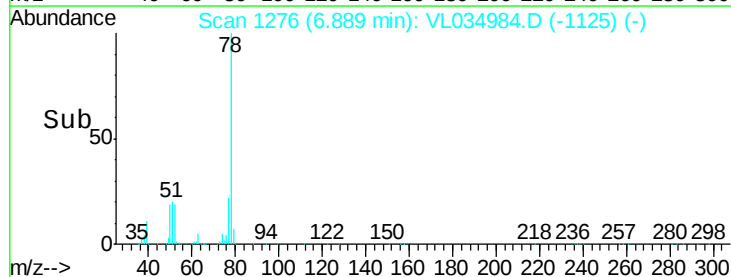
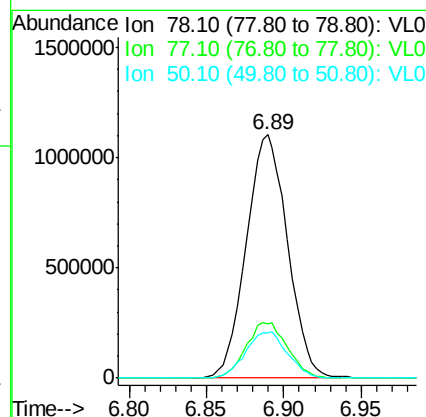
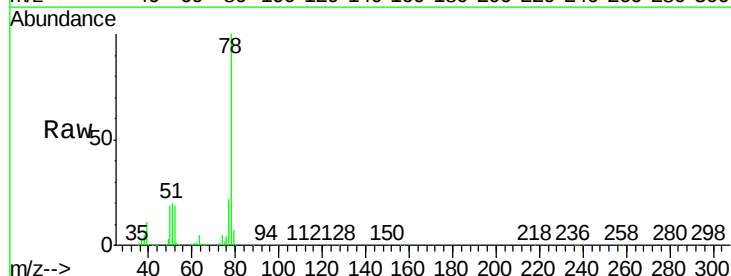
Manual Integrations
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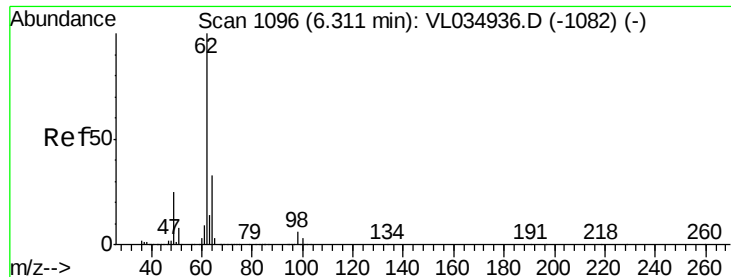
MMDadoda
5/13/2020 5:11:29 PM



#36
Benzene
Concen: 9.691 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.6
50	18.6	15.8	23.8





#37

1,2-Dichloroethane

Concen: 9.406 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1227502

Ion Ratio Lower Upper

62 100

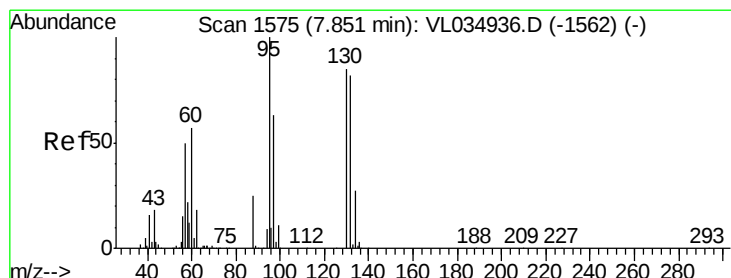
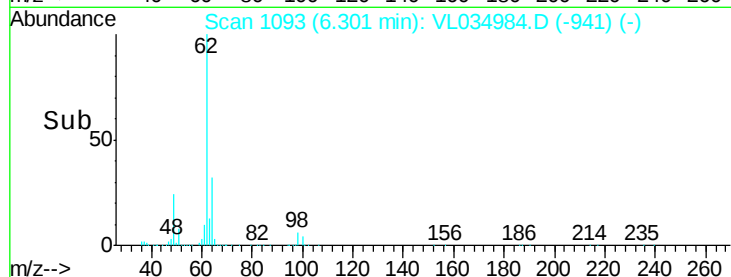
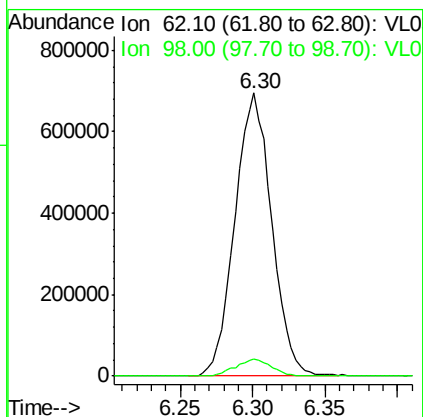
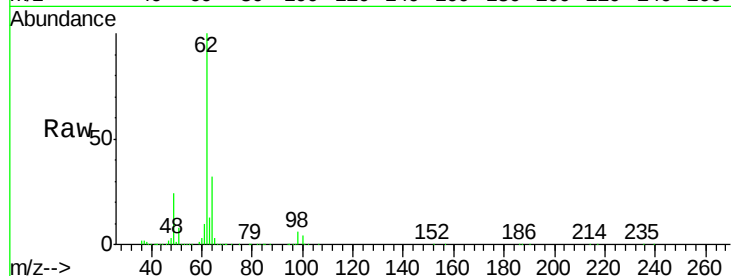
98 5.9 4.8 7.2

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MMDadoda

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#38

Trichloroethene

Concen: 9.628 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Tgt Ion: 130 Resp: 789164

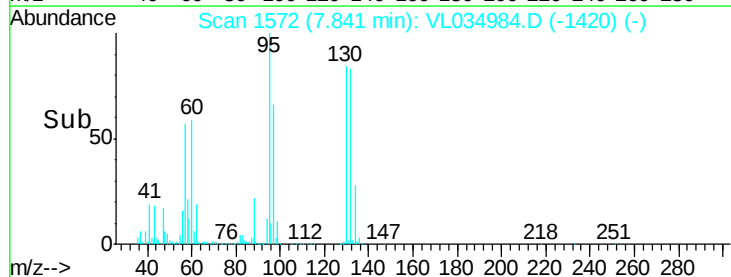
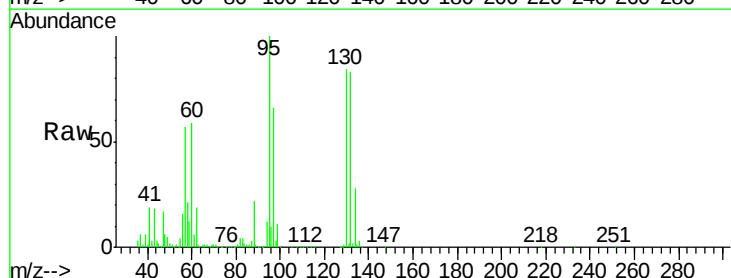
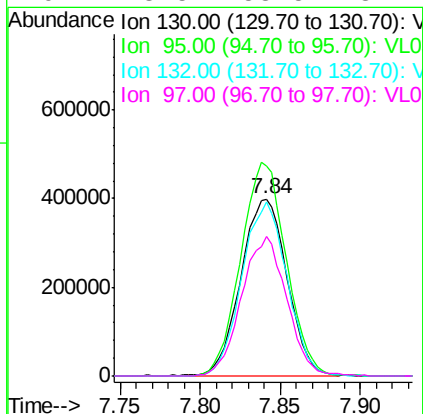
Ion Ratio Lower Upper

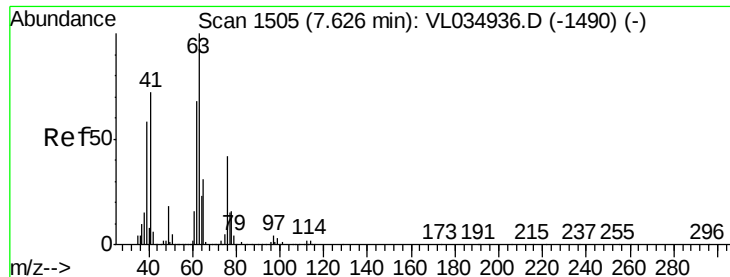
130 100

95 118.2 93.4 140.0

132 98.3 76.4 114.6

97 78.5 58.5 87.7





#39

1,2-Dichloropropane

Concen: 9.554 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

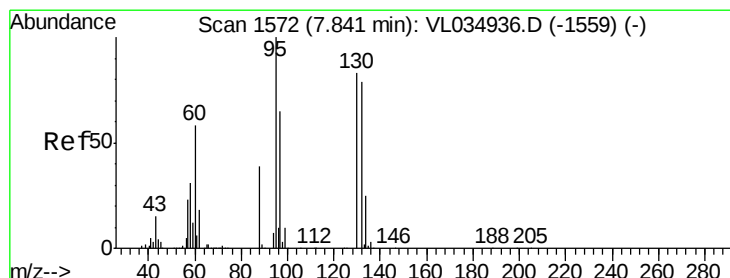
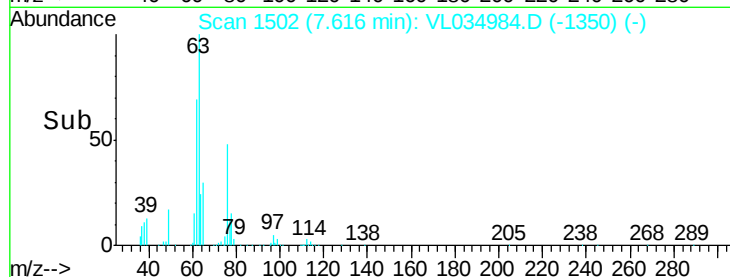
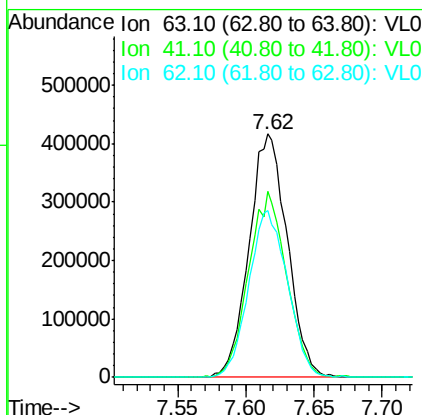
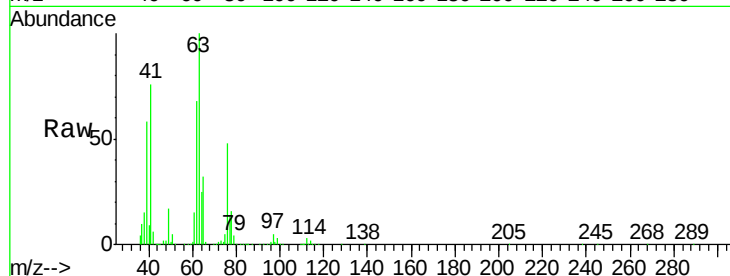
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	810340
Ion	Ratio	Lower	Upper
63	100		
41	76.2	57.8	86.8
62	68.3	54.2	81.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.330 ppbv

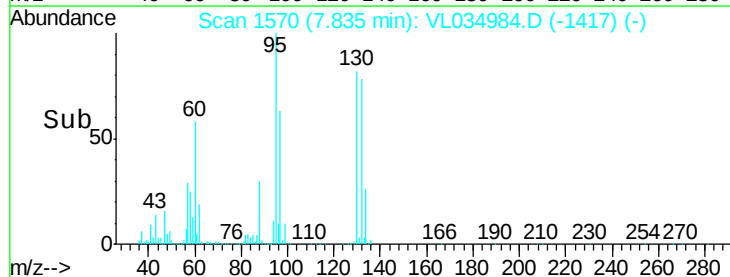
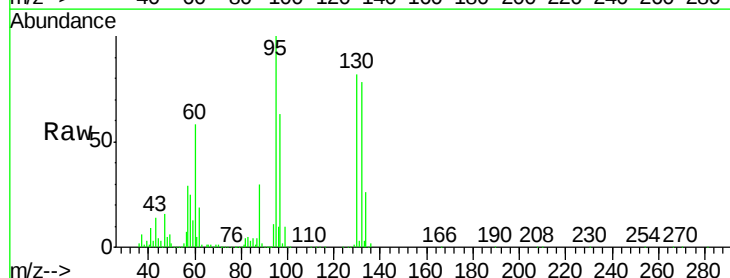
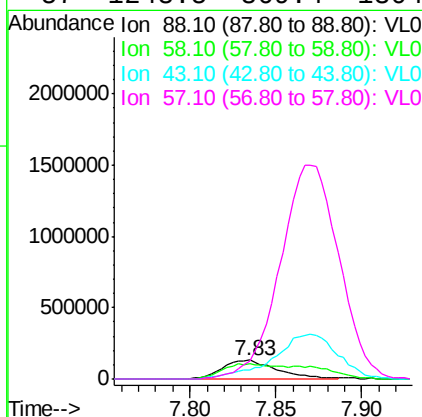
RT: 7.83 min Scan# 1570

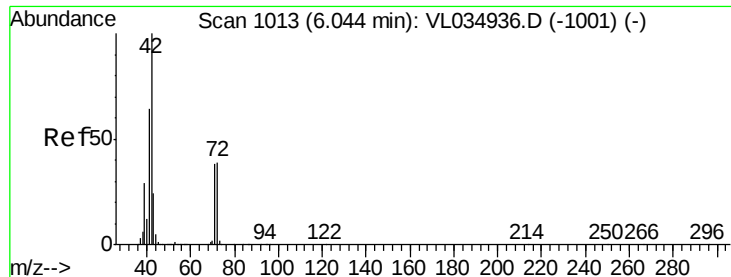
Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Tgt Ion:	88	Resp:	287168
Ion	Ratio	Lower	Upper
88	100		
58	140.3	105.1	157.7
43	286.0	202.6	303.8
57	1248.5	869.4	1304.0





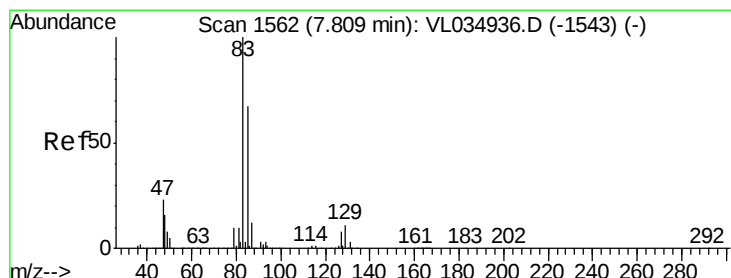
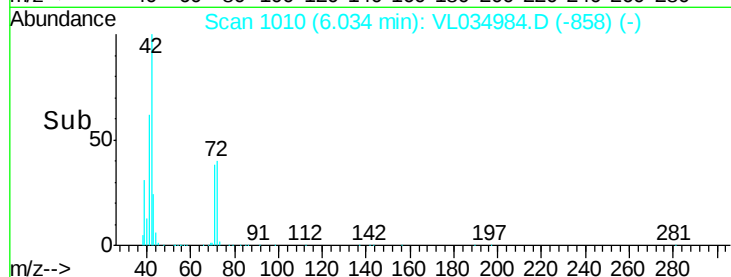
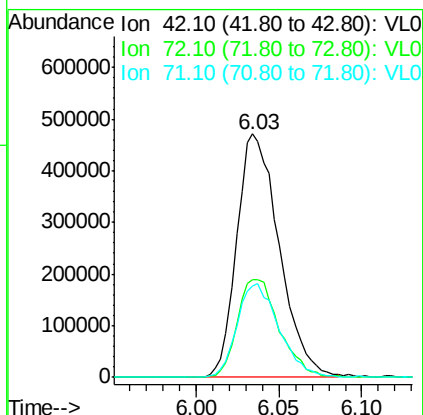
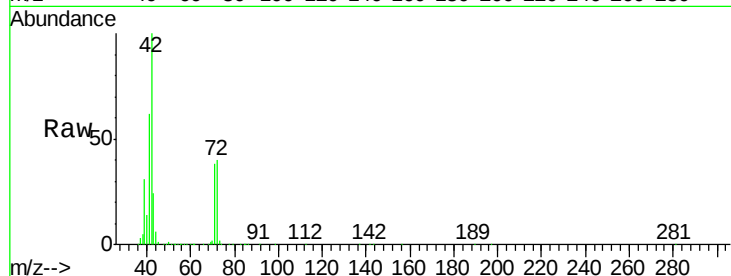
#41
Tetrahydrofuran
Concen: 9.990 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.0
71	38.2	29.8	44.8

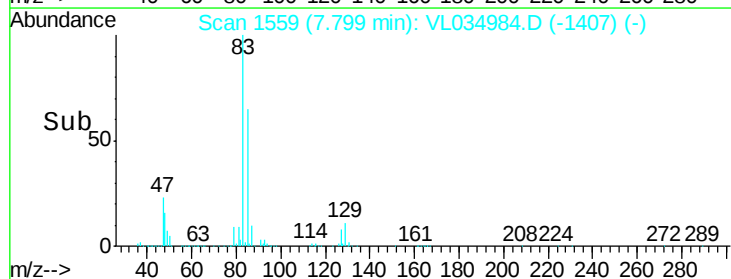
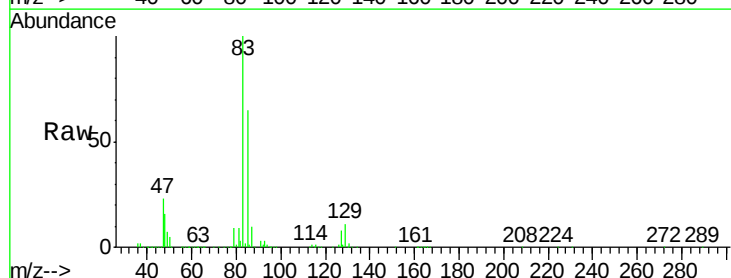
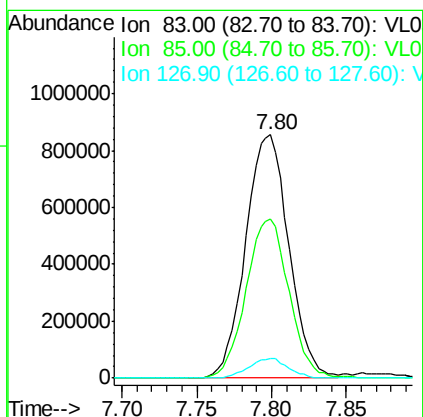
Manual Integrations
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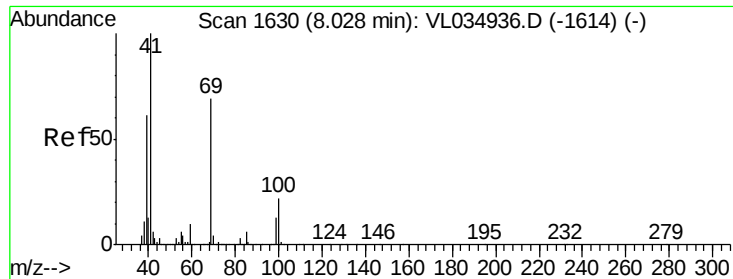
MMDadoda
5/13/2020 5:11:29 PM



#42
Bromodichloromethane
Concen: 9.755 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.0
127	8.1	6.1	9.1





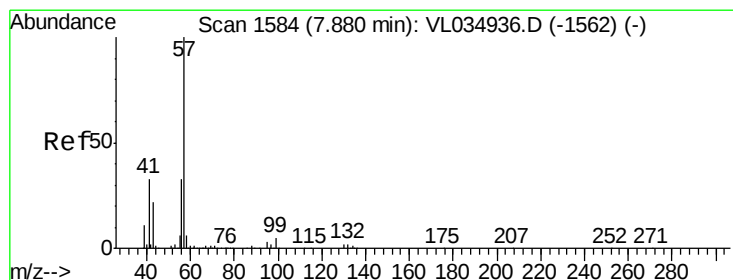
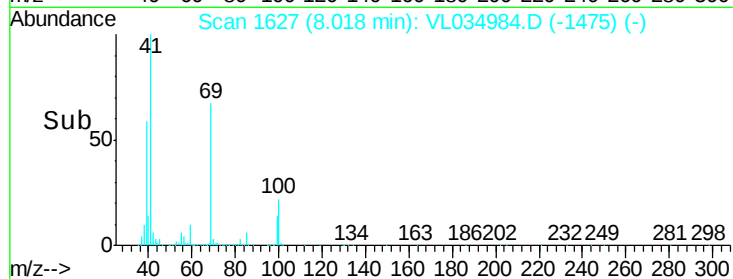
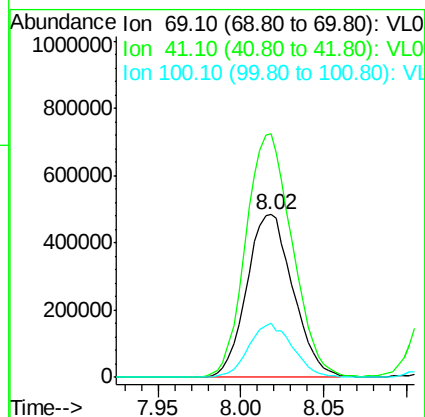
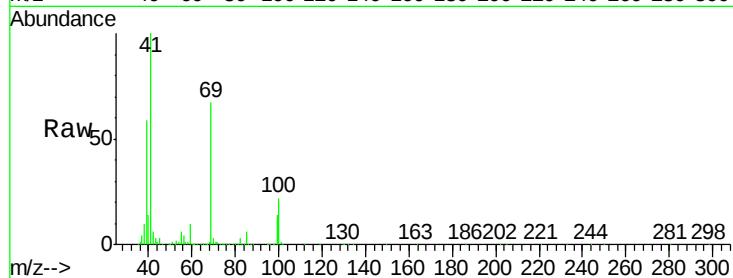
#43
Methvl Methacrvlate
Concen: 10.517 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.1	119.8	179.6	
100	31.4	25.0	37.6	

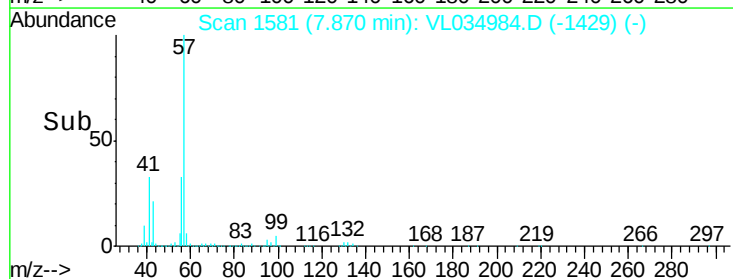
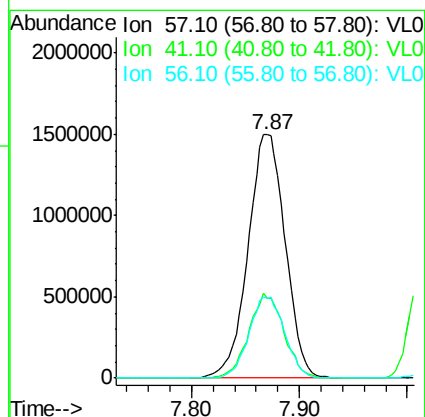
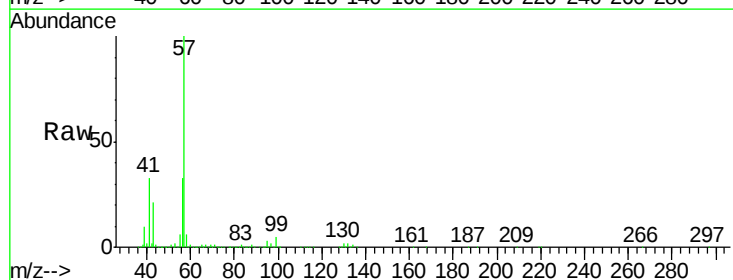
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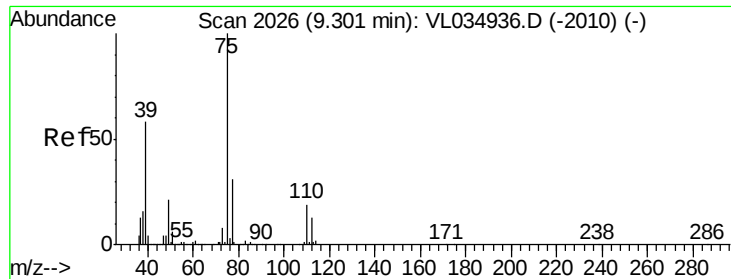
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#44
2,2,4-Trimethylpentane
Concen: 9.507 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.8	26.4	39.6	
56	32.2	25.5	38.3	





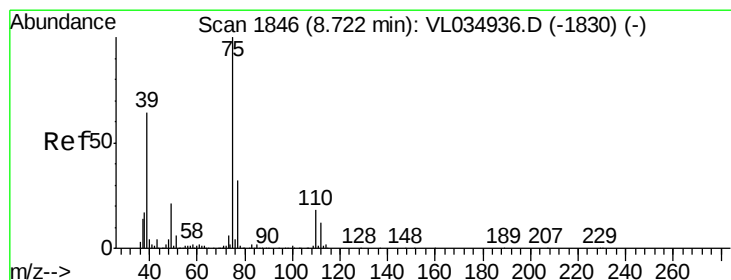
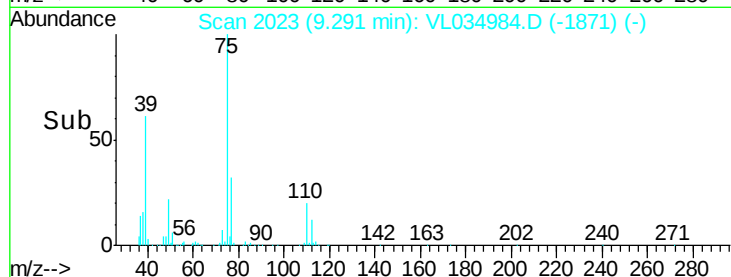
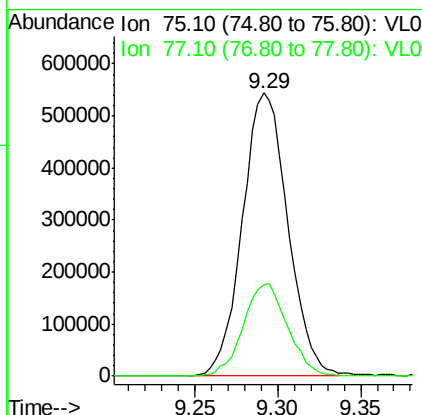
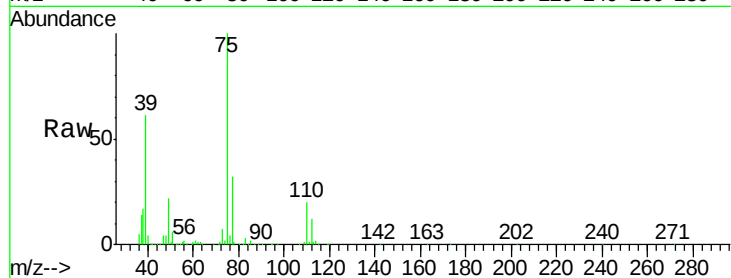
#45
t-1,3-Dichloropropene
Concen: 11.474 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1034463
Ion Ratio Lower Upper
75 100
77 32.2 24.9 37.3

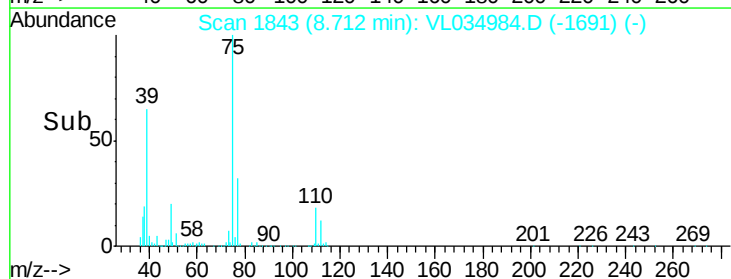
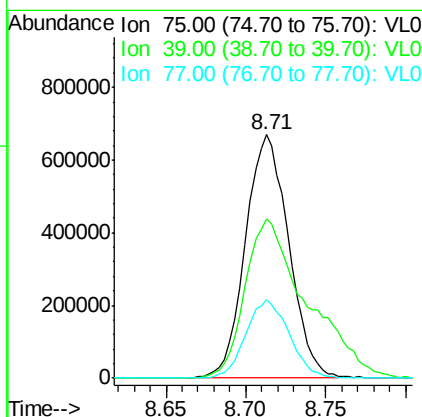
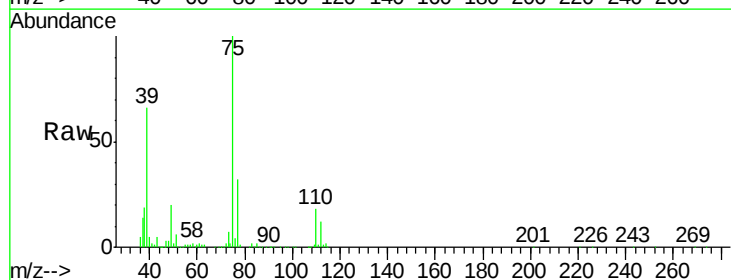
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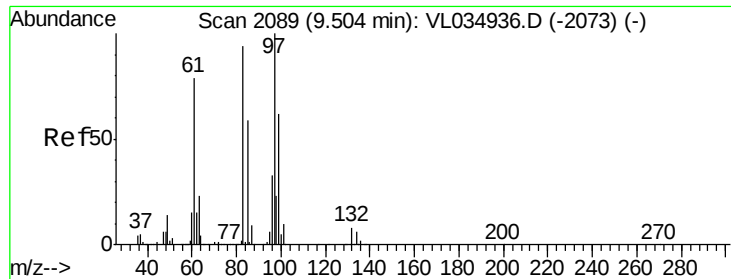
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#46
cis-1,3-Dichloropropene
Concen: 11.168 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 75 Resp: 1236146
Ion Ratio Lower Upper
75 100
39 65.4 51.5 77.3
77 32.1 25.5 38.3





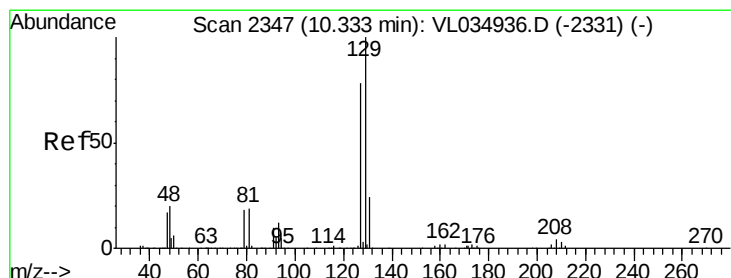
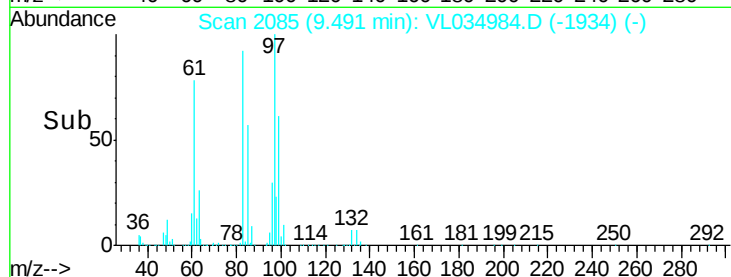
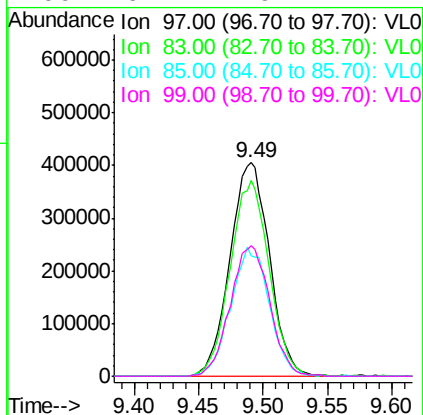
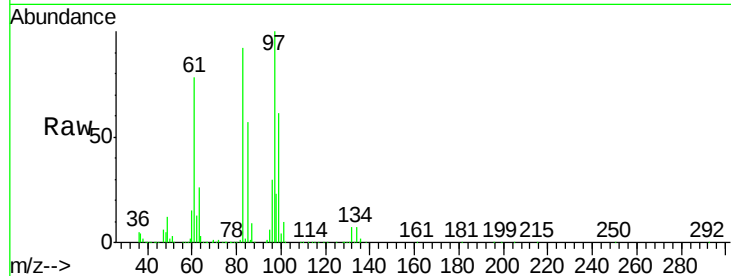
#47
 1,1,2-Trichloroethane
 Concen: 9.653 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.5	75.6	113.4	
85	56.4	47.0	70.6	
99	61.2	49.4	74.2	

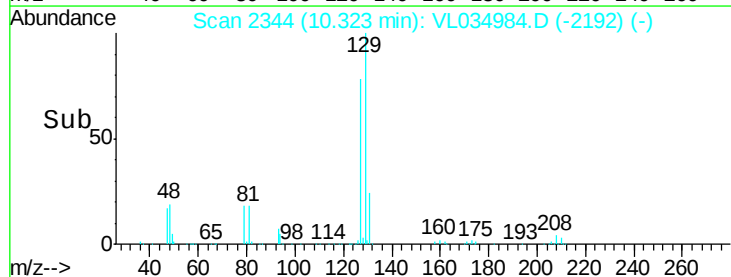
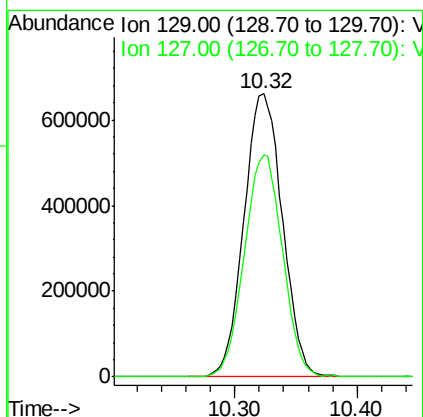
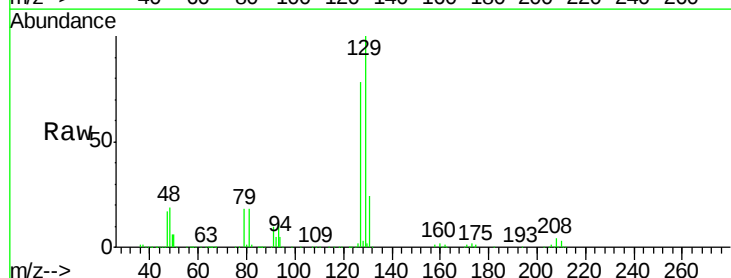
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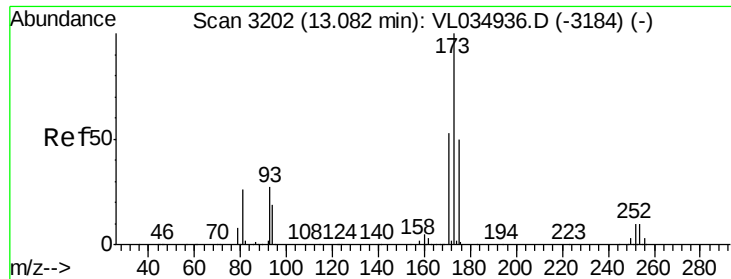
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#48
 Dibromochloromethane
 Concen: 10.431 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.1	117.2	





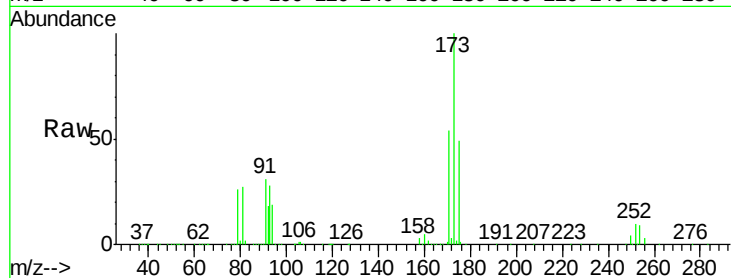
#49
Bromoform
Concen: 10.646 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

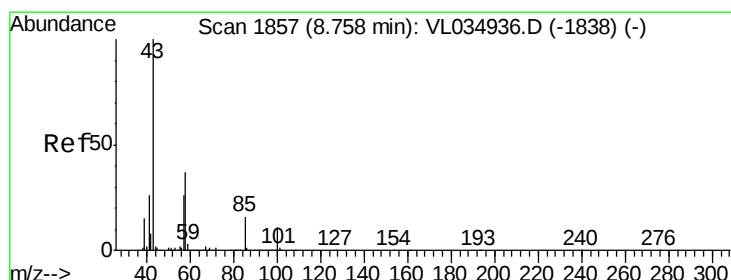
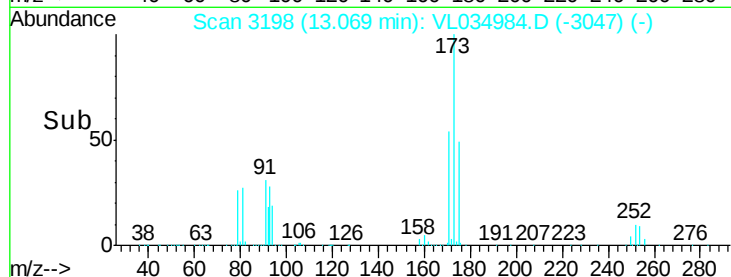
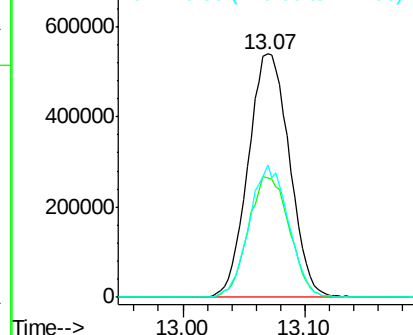
Tot Ion:173 Resp: 1260744
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
171 51.8 41.4 62.2

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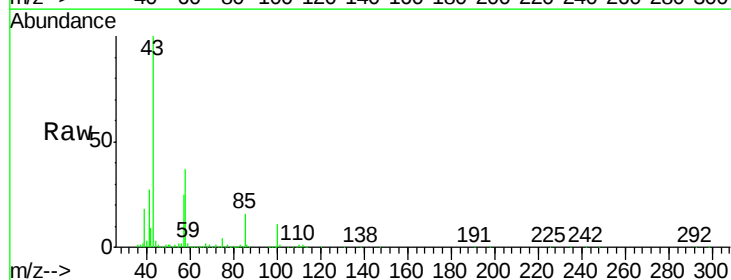


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

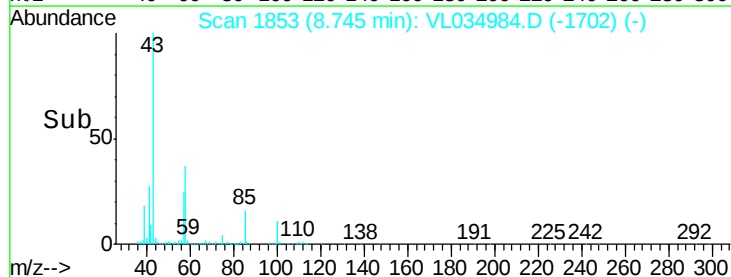
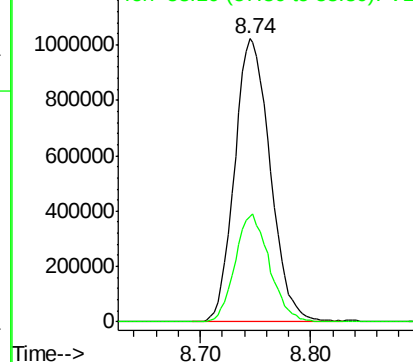


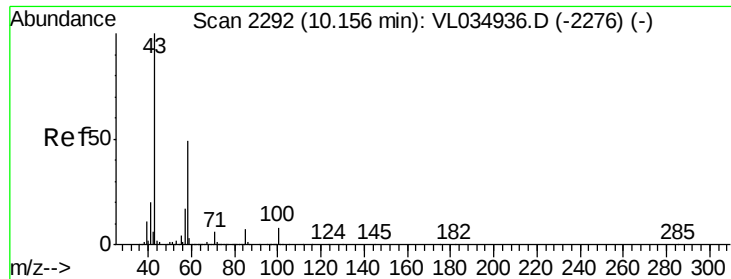
#50
4-Methyl-2-Pentanone
Concen: 10.036 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 43 Resp: 2282473
Ion Ratio Lower Upper
43 100
58 37.0 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





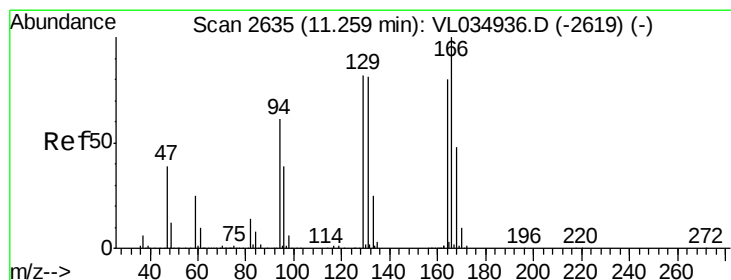
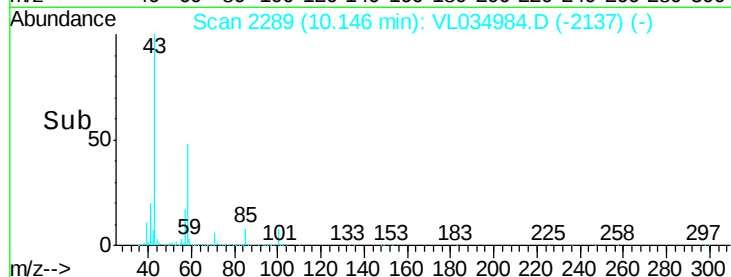
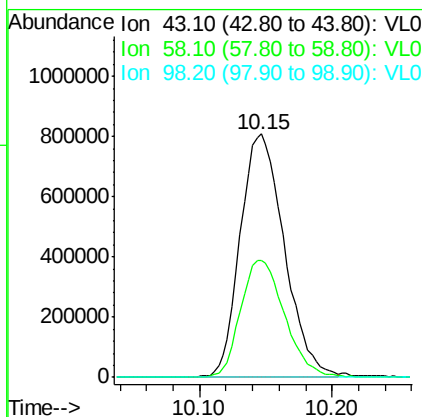
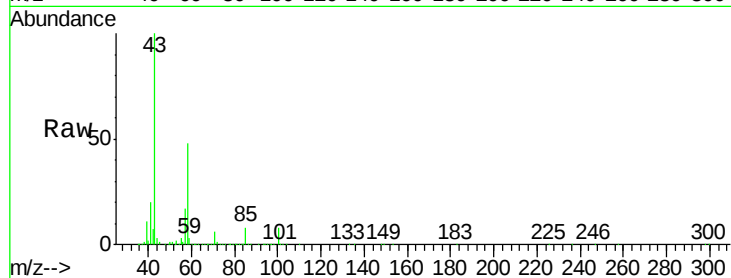
#51
2-Hexanone
Concen: 10.506 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1868804
Ion Ratio Lower Upper
43 100
58 48.0 39.1 58.7
98 0.5 0.3 0.5#

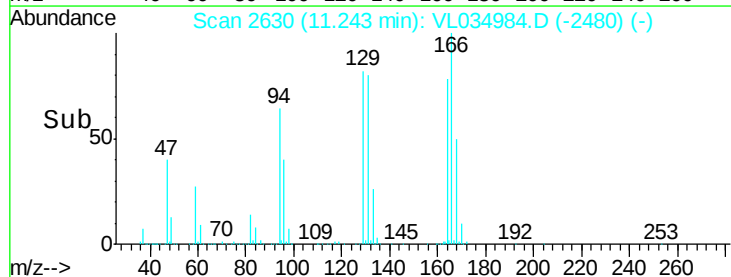
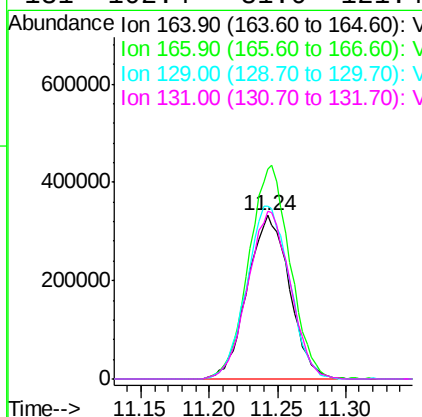
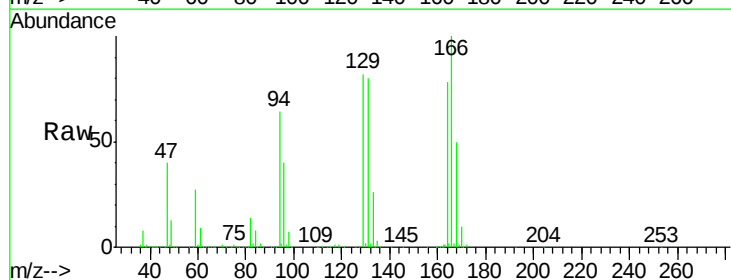
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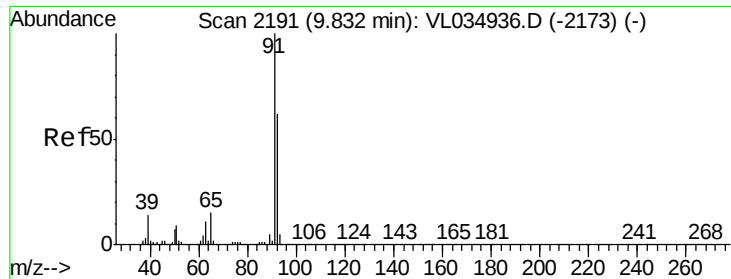
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#52
Tetrachloroethene
Concen: 9.446 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.02 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 164 Resp: 710640
Ion Ratio Lower Upper
164 100
166 128.4 100.7 151.1
129 105.4 83.0 124.4
131 102.4 81.0 121.4





#53

Toluene

Concen: 10.624 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2382670

Ion Ratio Lower Upper

91 100

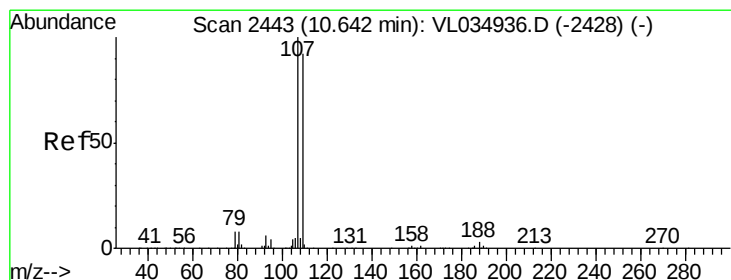
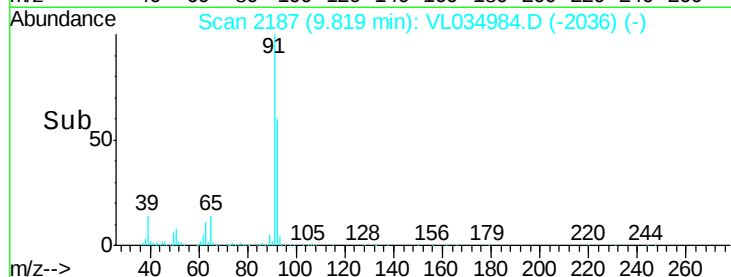
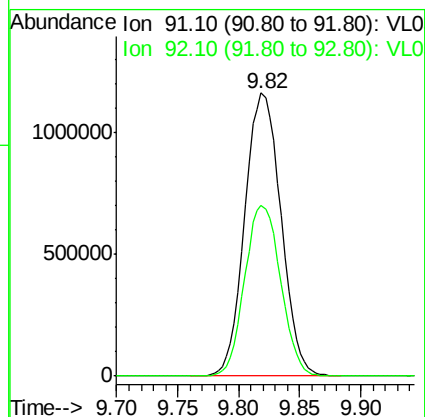
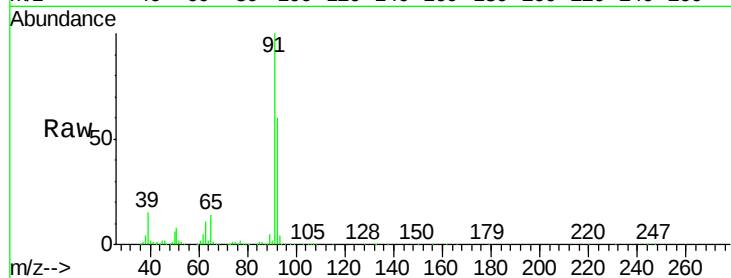
92 59.9 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 9.861 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034984.D

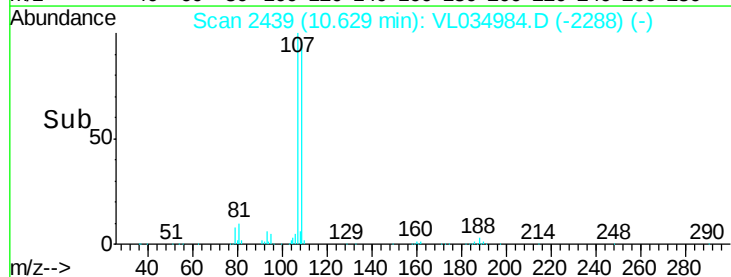
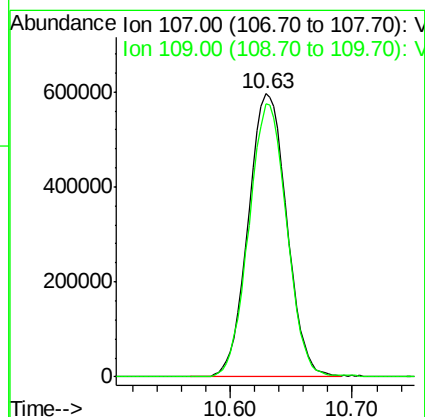
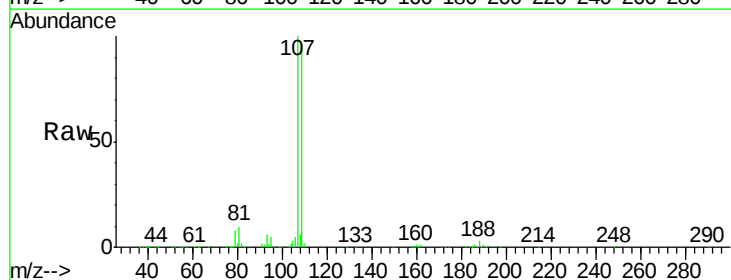
Acq: 12 May 2020 11:37

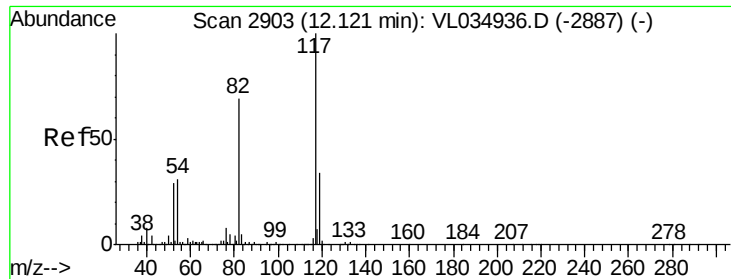
Tgt Ion: 107 Resp: 1296076

Ion Ratio Lower Upper

107 100

109 96.3 73.2 109.8





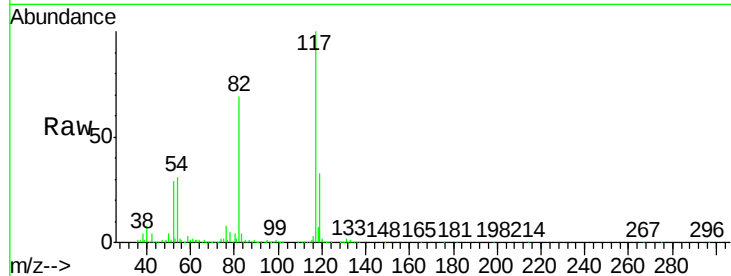
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

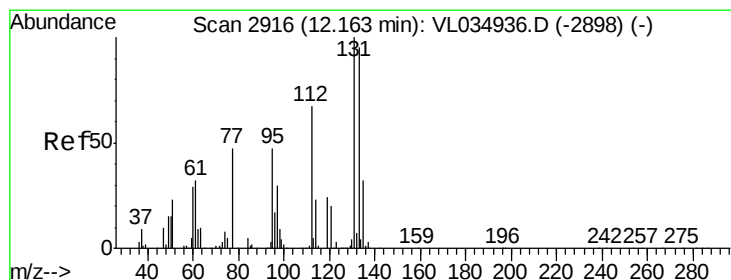
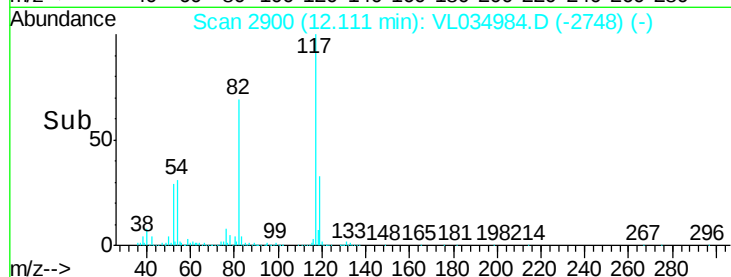
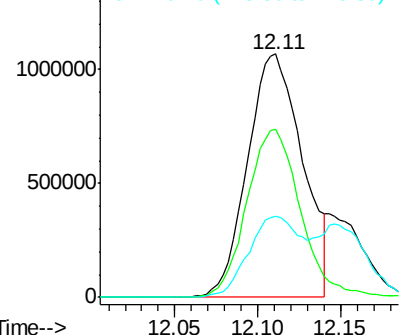
Tot Ion:117 Resp: 2472850
Ion Ratio Lower Upper
117 100
82 67.6 53.1 79.7
119 31.7 26.7 40.1

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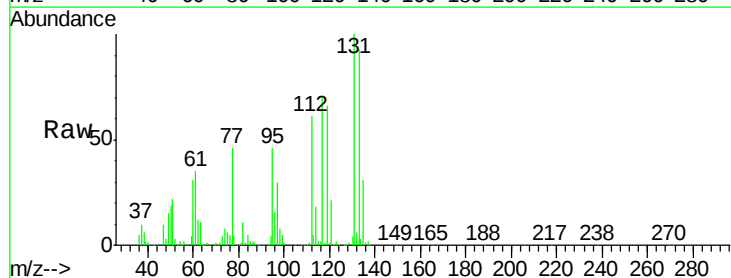


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

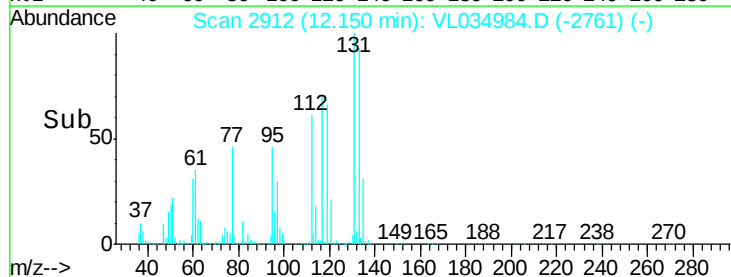
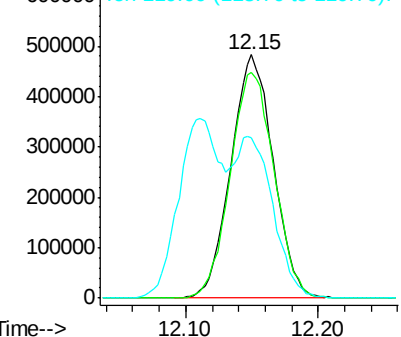


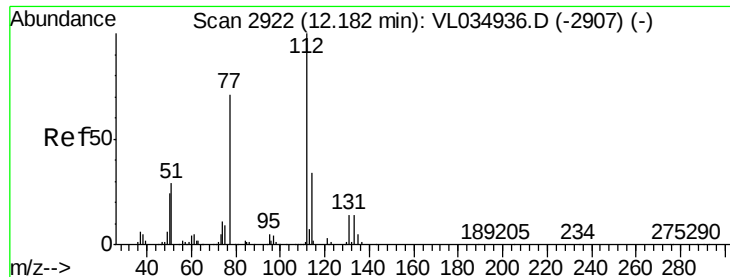
#56
1,1,1,2-Tetrachloroethane
Concen: 9.604 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion:131 Resp: 1070995
Ion Ratio Lower Upper
131 100
133 96.4 77.7 116.5
119 53.5 49.8 74.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.290 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 1819971

Ion Ratio Lower Upper

112 100

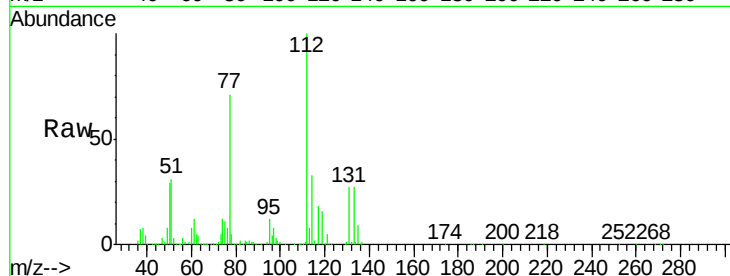
77 70.7 57.0 85.6

114 32.8 30.8 37.6

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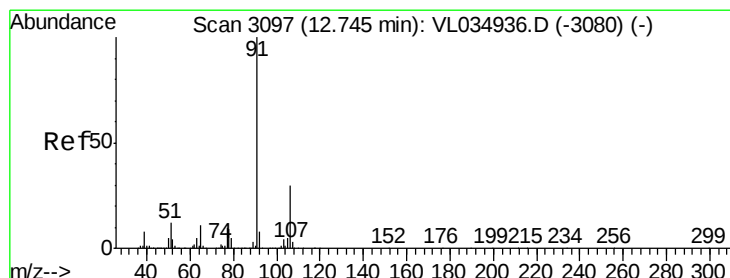
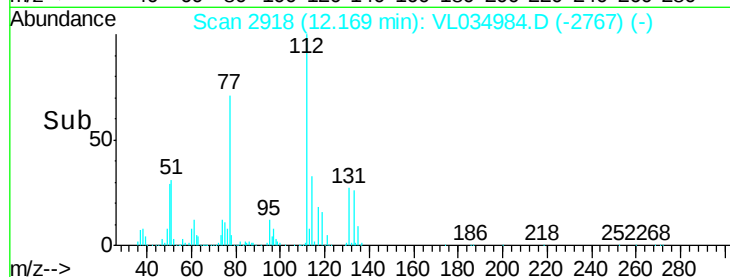
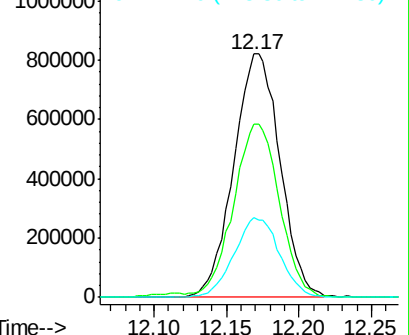
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.504 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL034984.D

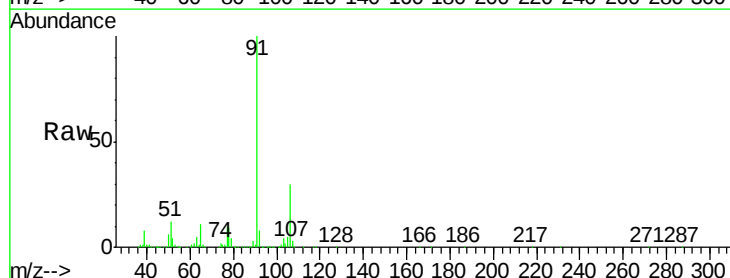
Acq: 12 May 2020 11:37

Tgt Ion: 91 Resp: 3211921

Ion Ratio Lower Upper

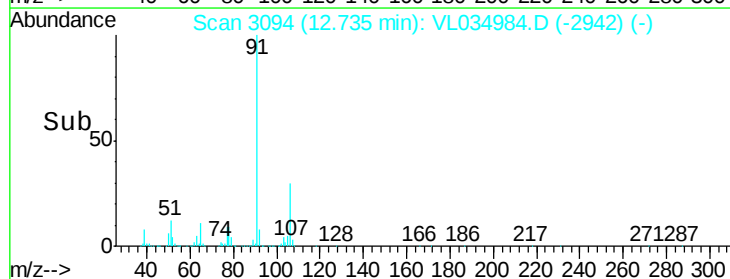
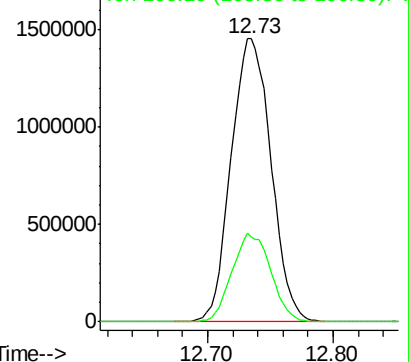
91 100

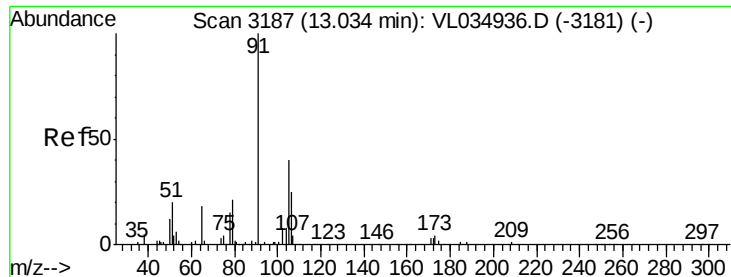
106 30.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





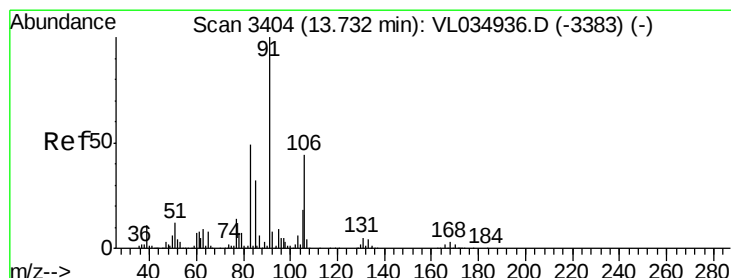
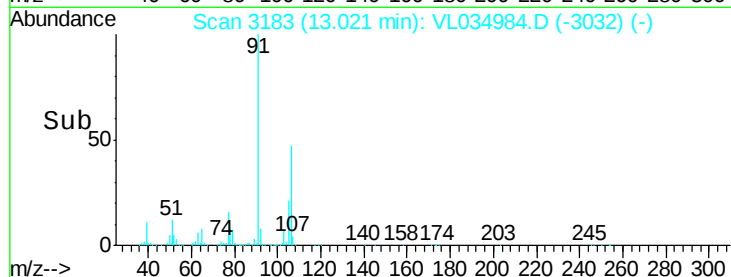
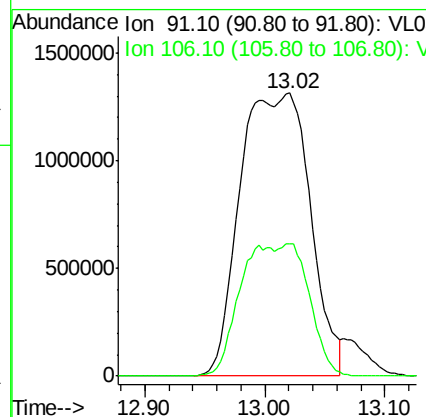
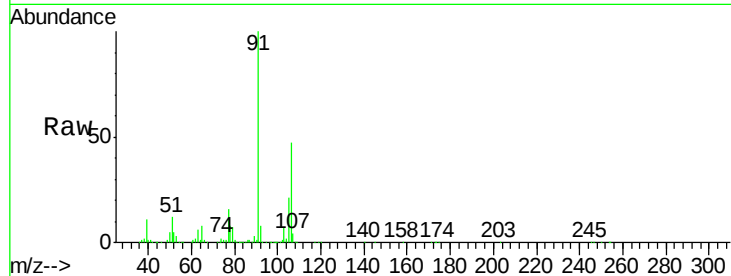
#59
m/p-Xylene
Concen: 19.834 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5336154
Ion Ratio Lower Upper
91 100
106 45.5 66.0 99.0#

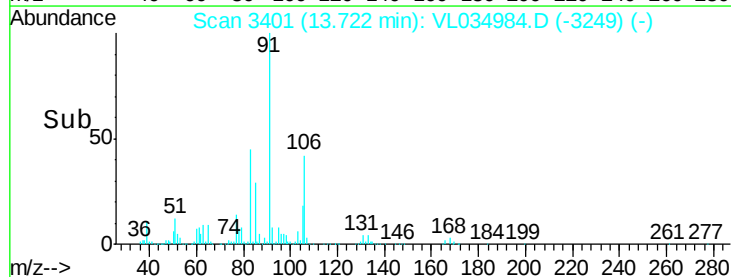
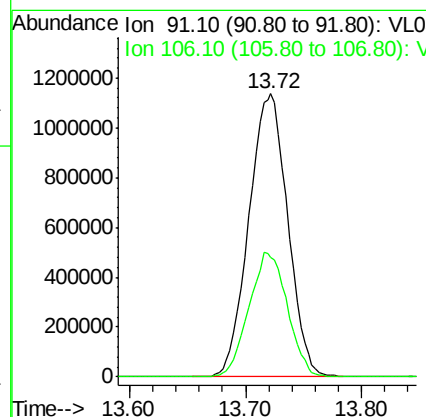
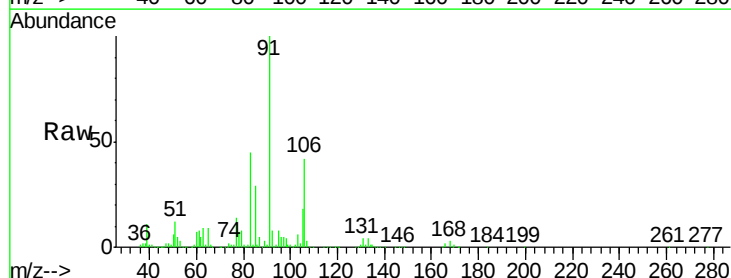
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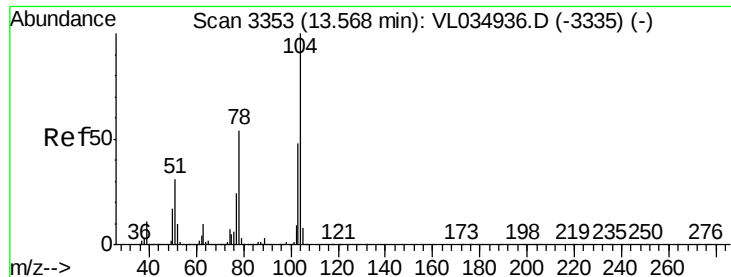
MMDadoda
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#60
o-Xylene
Concen: 9.951 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion: 91 Resp: 2641867
Ion Ratio Lower Upper
91 100
106 43.7 21.9 65.5





#61

Stvrene

Concen: 11.273 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 1894002

Ion Ratio Lower Upper

104 100

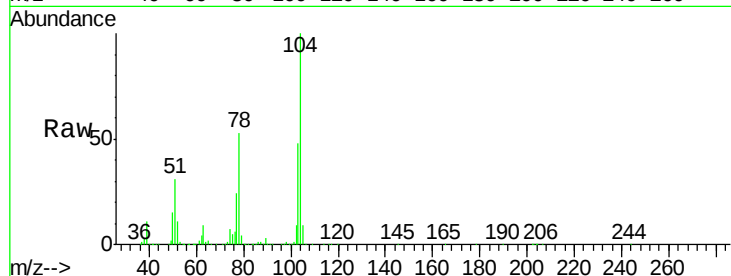
78 53.7 43.7 65.5

103 47.4 38.8 58.2

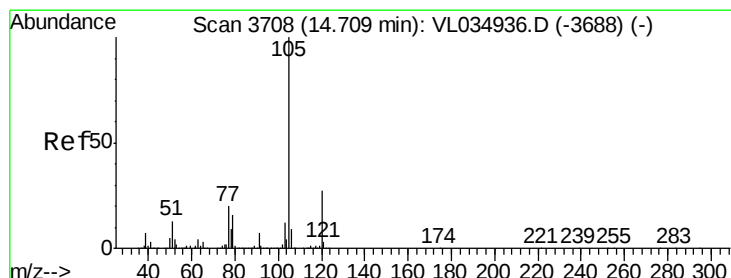
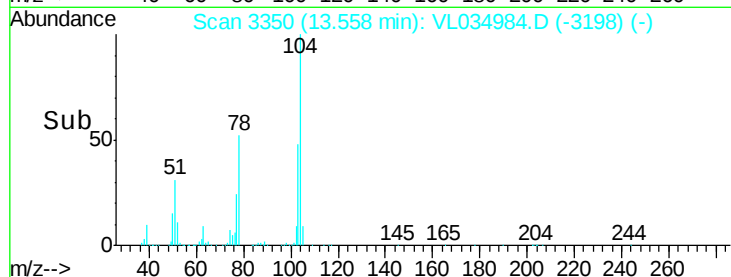
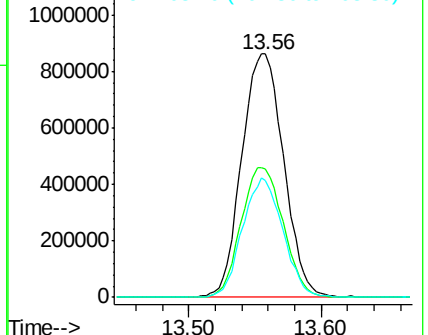
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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.766 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.01 min

Lab File: VL034984.D

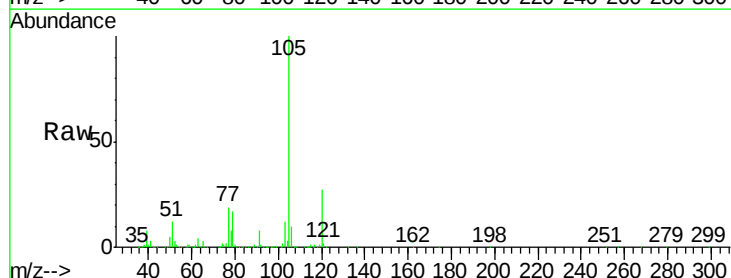
Acq: 12 May 2020 11:37

Tgt Ion:105 Resp: 3871057

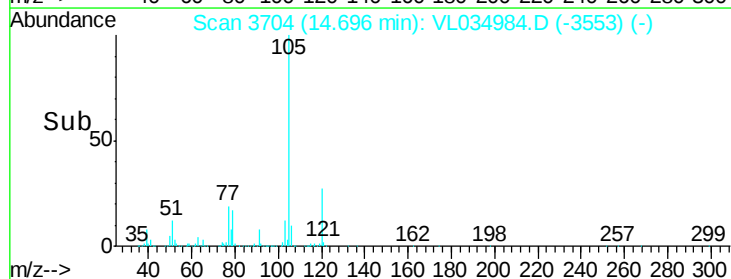
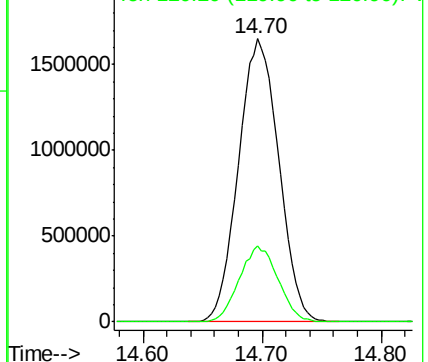
Ion Ratio Lower Upper

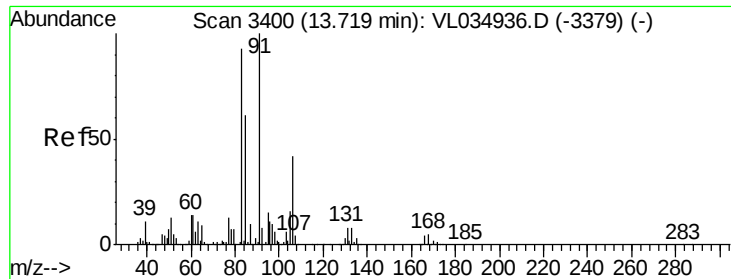
105 100

120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





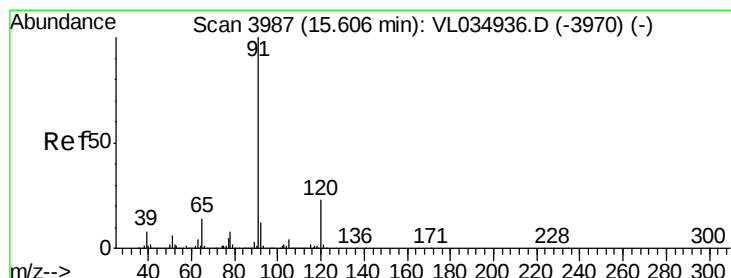
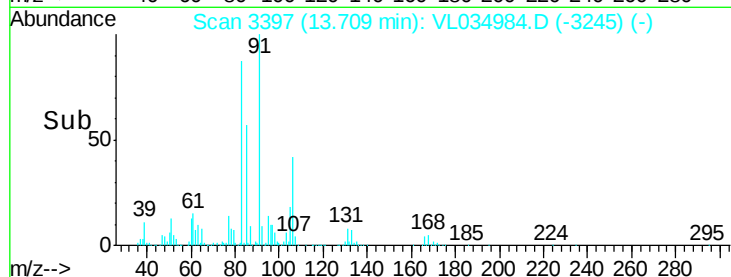
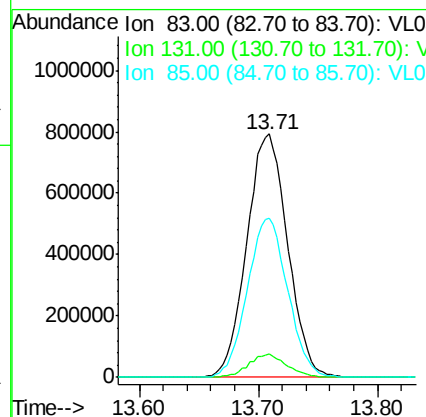
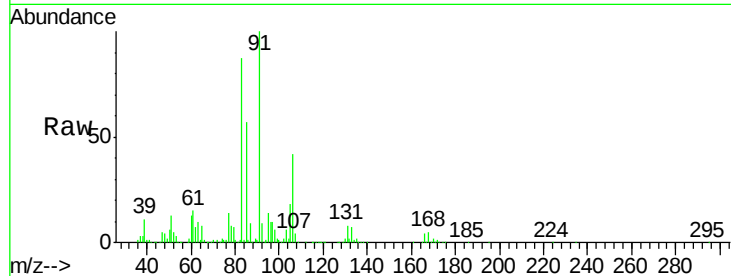
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.026 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1886327
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	64.7	32.5	97.4

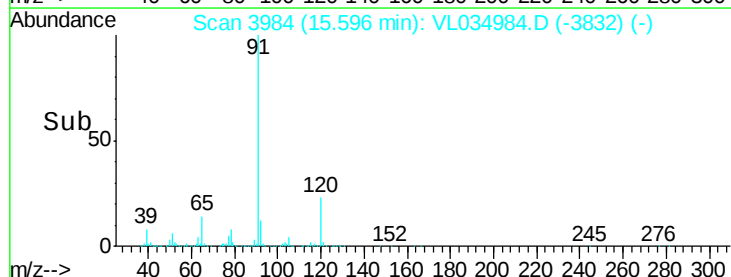
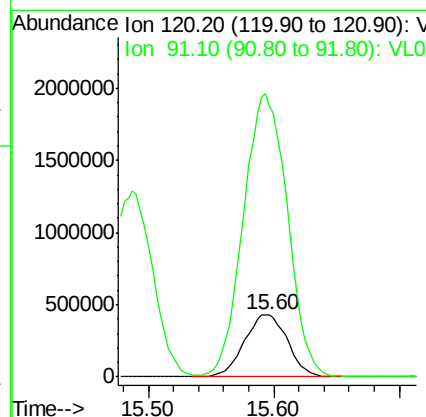
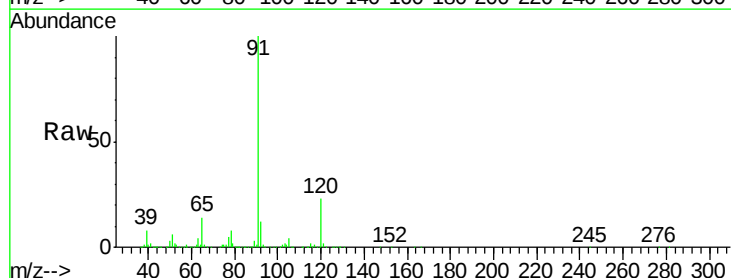
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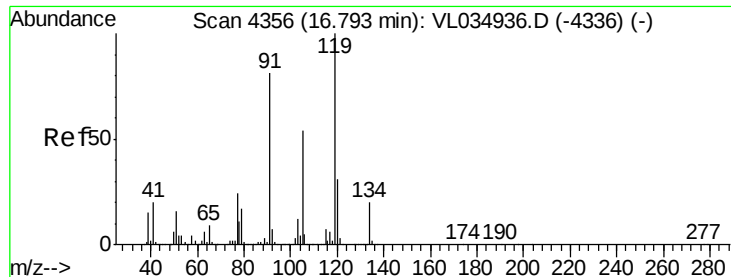
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#64
 n-propylbenzene
 Concen: 10.128 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion	120	Resp	1029705
Ion Ratio	100	Lower	Upper
120	100		
91	465.8	373.5	560.3





#65

tert-Butylbenzene

Concen: 9.686 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3329983

Ion Ratio Lower Upper

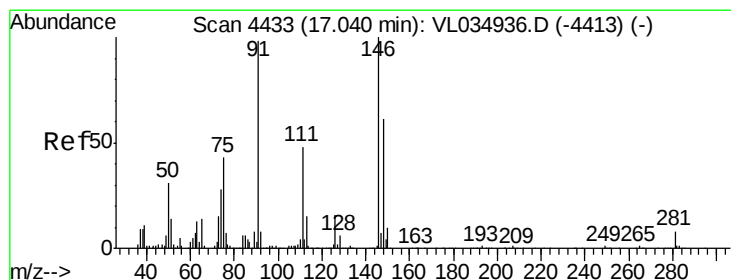
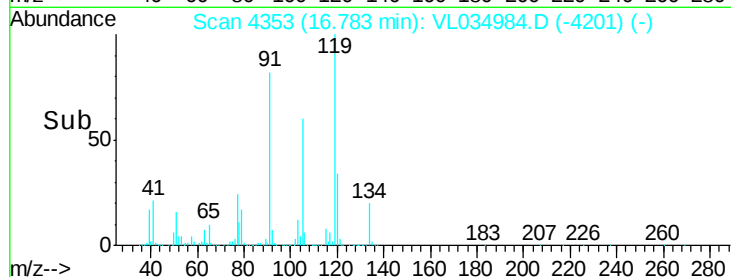
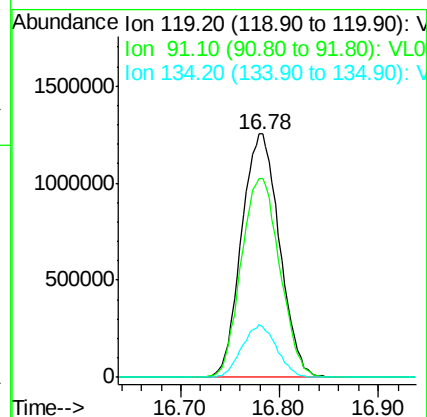
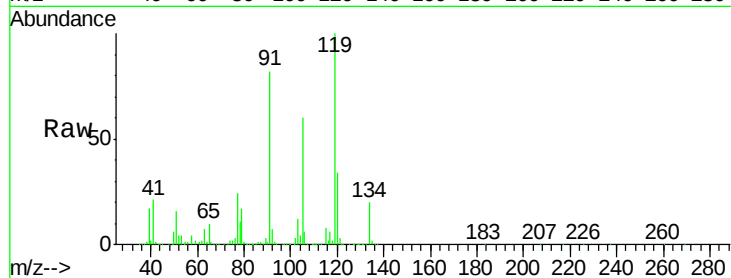
119 100

91 83.6 67.5 101.3

134 19.8 16.1 24.1

Manual Integrations
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#66

Benzyl Chloride

Concen: 11.194 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

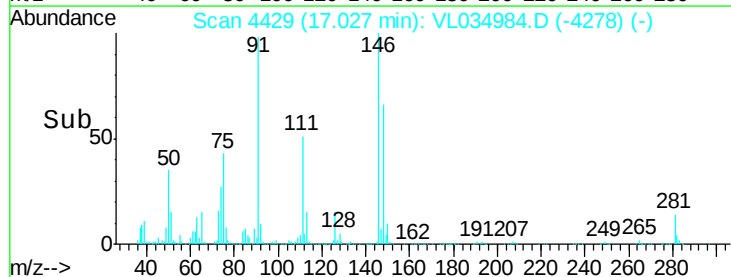
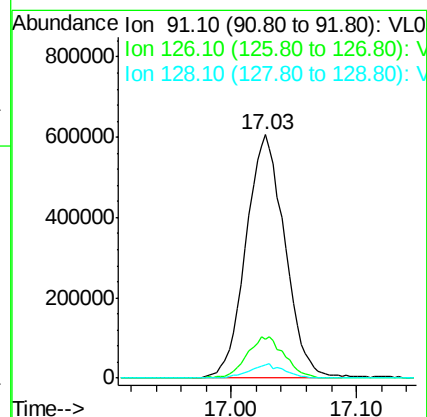
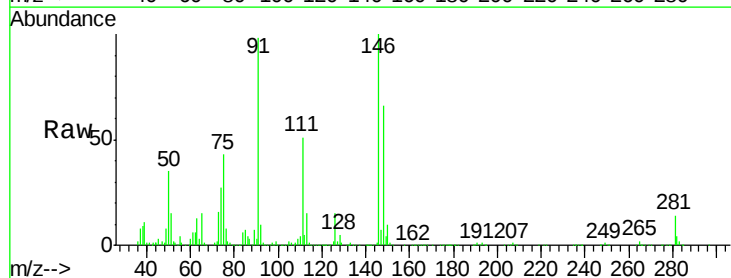
Tgt Ion: 91 Resp: 1306450

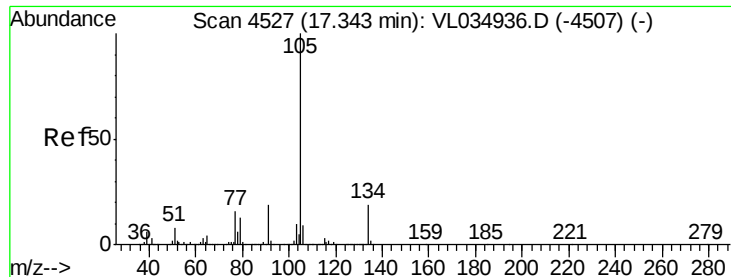
Ion Ratio Lower Upper

91 100

126 16.6 13.8 20.6

128 5.2 4.3 6.5





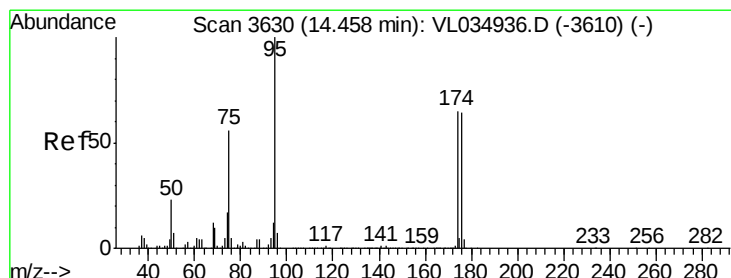
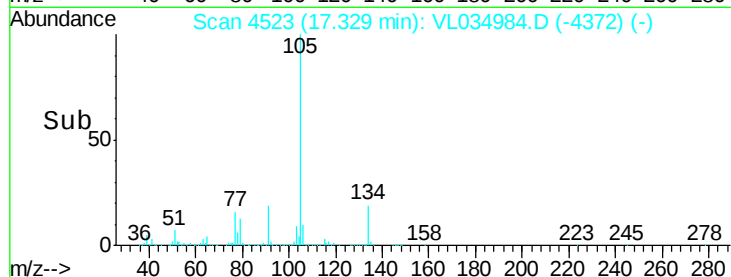
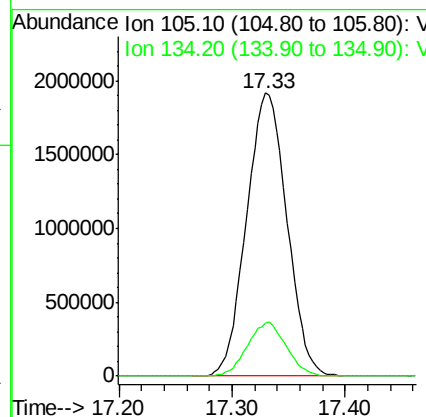
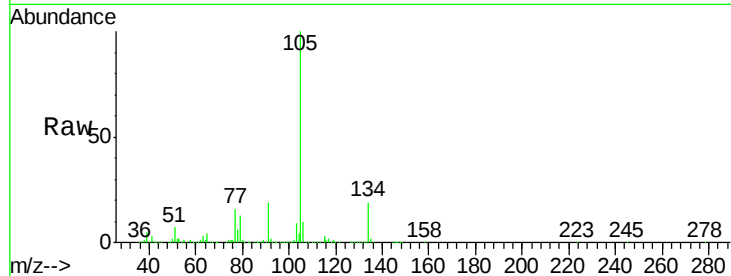
#67
 sec-Butylbenzene
 Concen: 9.682 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 4751348
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.8 22.2

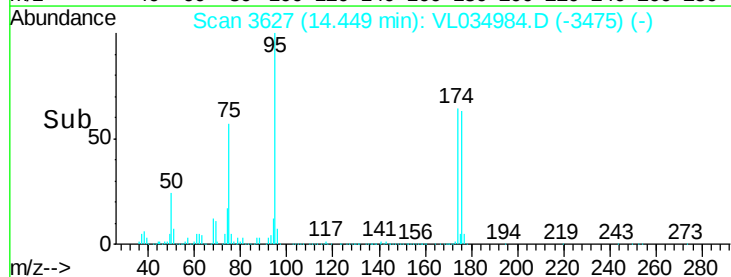
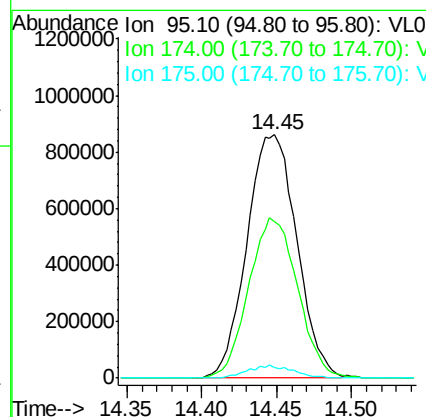
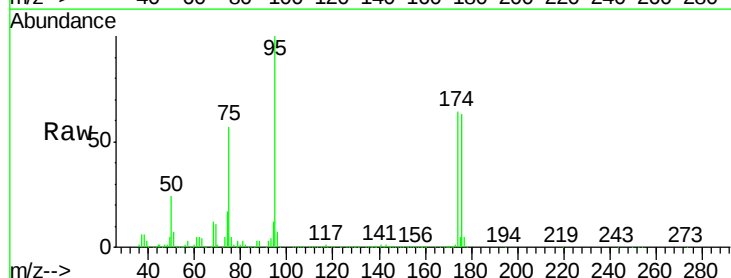
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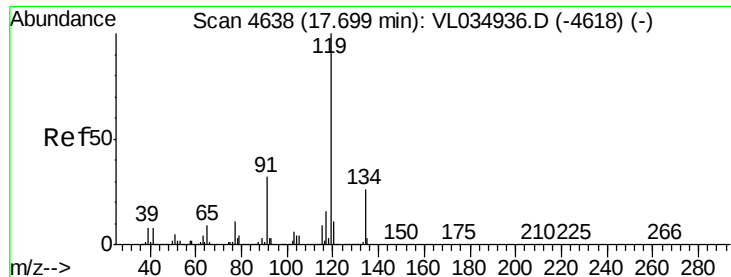
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.933 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion: 95 Resp: 1988278
 Ion Ratio Lower Upper
 95 100
 174 65.1 51.5 77.3
 175 4.8 3.8 5.8





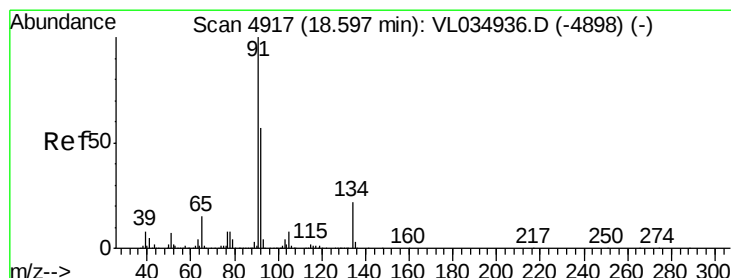
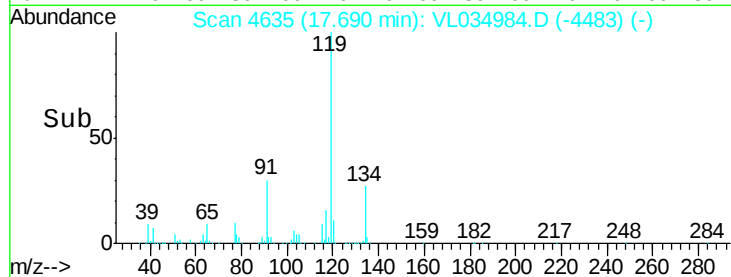
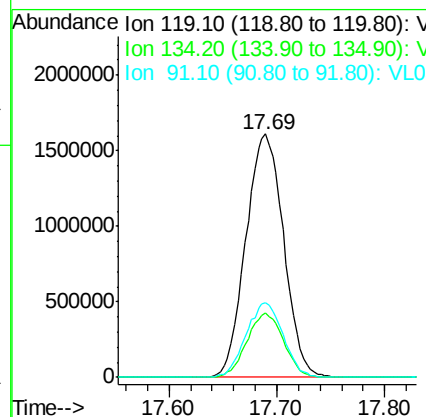
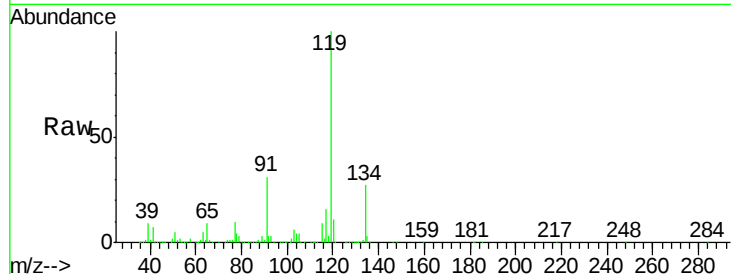
#69
p-Isopropyltoluene
Concen: 9.881 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	30.4	24.6	36.8

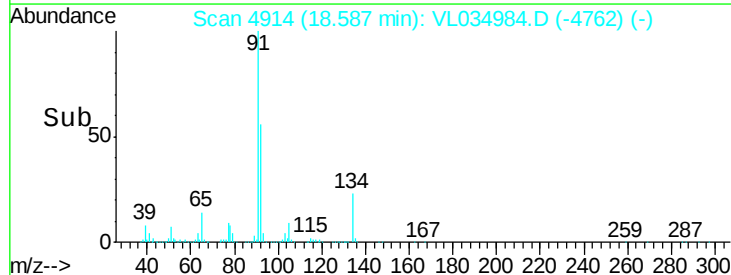
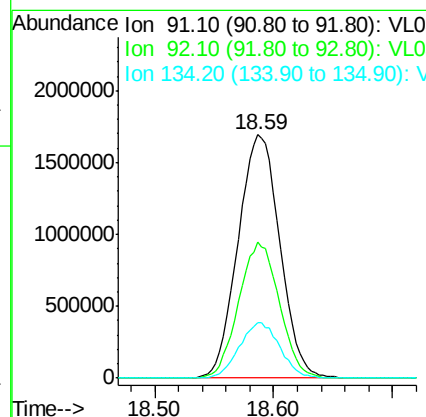
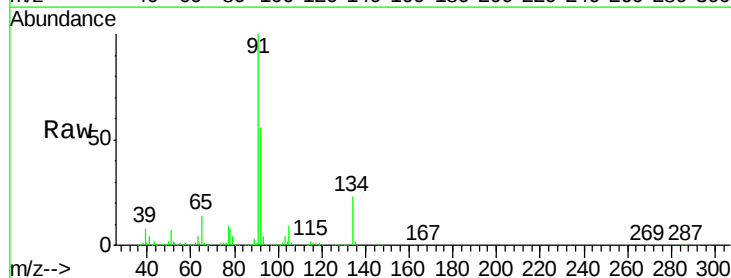
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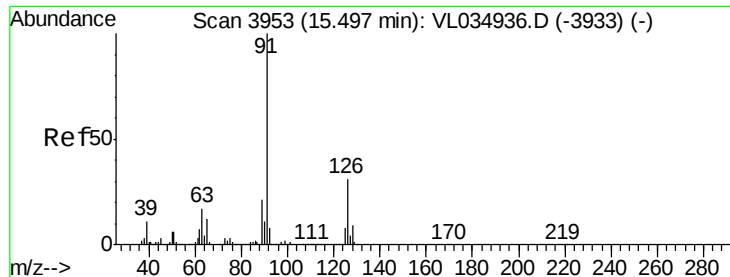
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#70
n-Butylbenzene
Concen: 9.726 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.4	66.6
134	22.0	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.068 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3012364

Ion Ratio Lower Upper

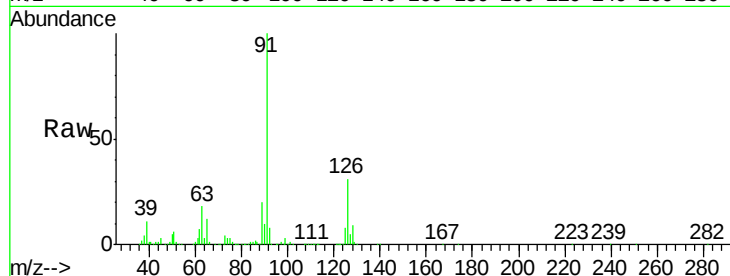
91 100

126 29.4 12.0 47.8

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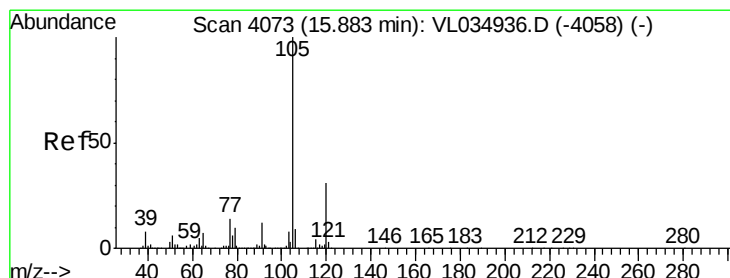
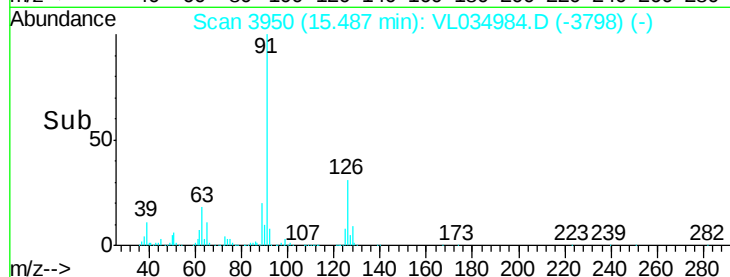
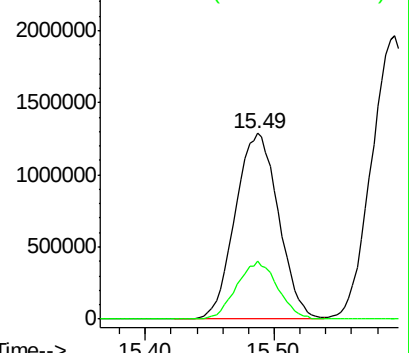
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.390 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Tgt Ion: 105 Resp: 3077548

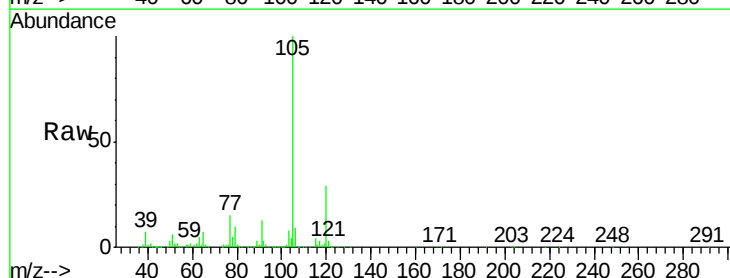
Ion Ratio Lower Upper

105 100

120 29.1 23.8 35.8

91 13.7 10.6 15.8

77 14.6 11.6 17.4

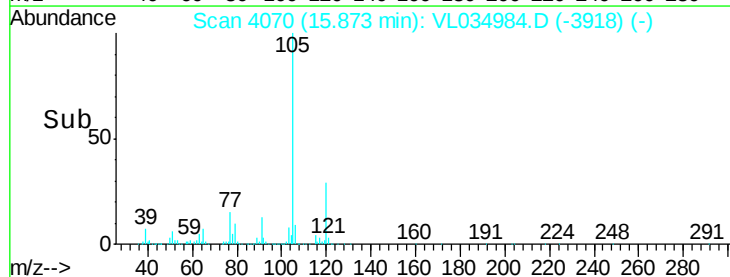
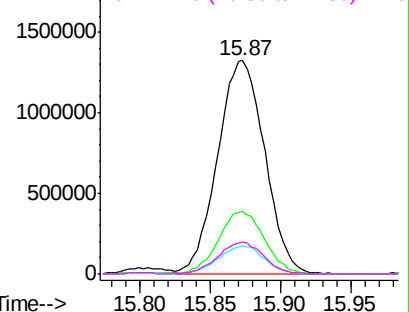


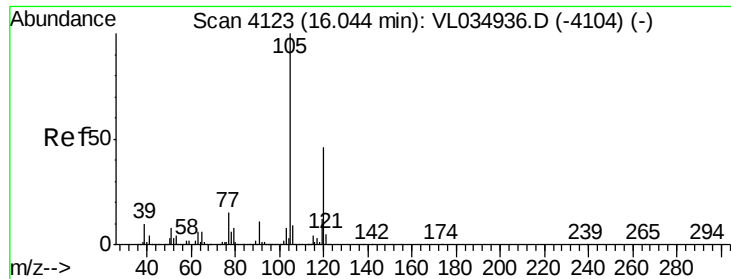
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





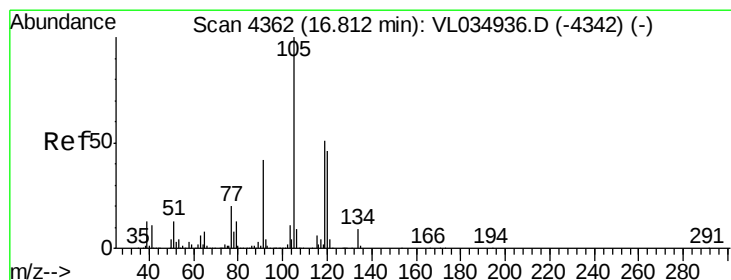
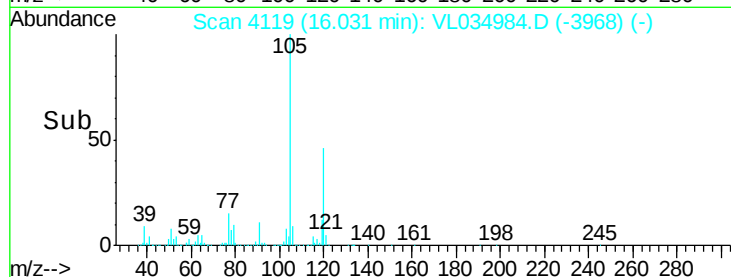
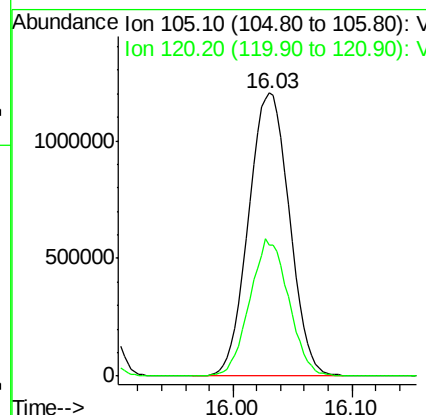
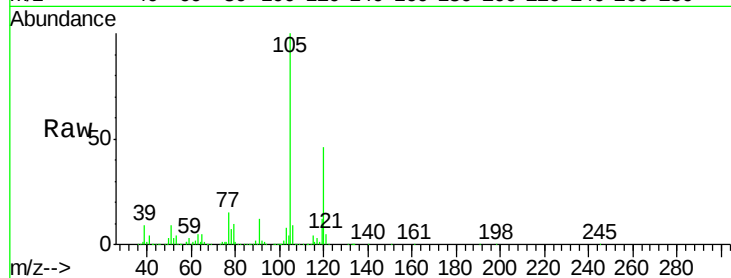
#73
 1,3,5-Trimethylbenzene
 Concen: 9.916 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2858290
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.4 54.6

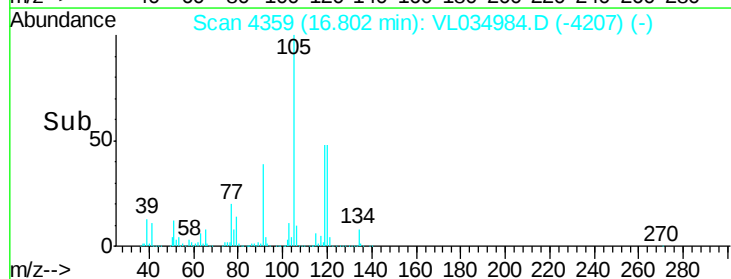
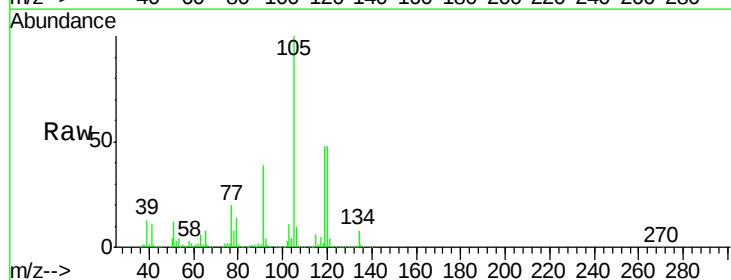
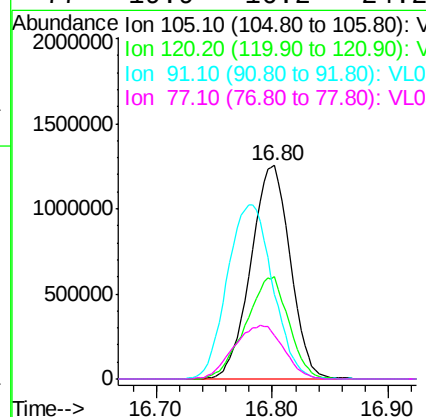
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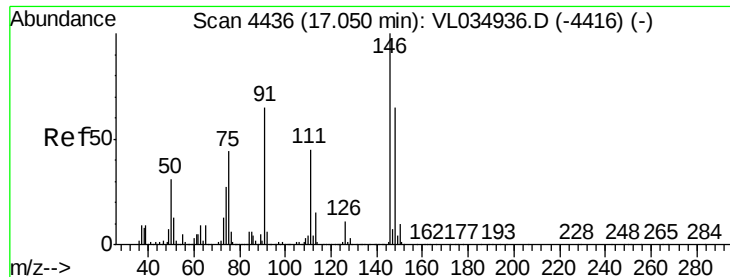
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.432 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion:105 Resp: 2967616
 Ion Ratio Lower Upper
 105 100
 120 47.8 36.8 55.2
 91 39.1 35.4 53.0
 77 19.9 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 8.957 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1654806

Ion Ratio Lower Upper

146 100

111 49.3 24.0 72.0

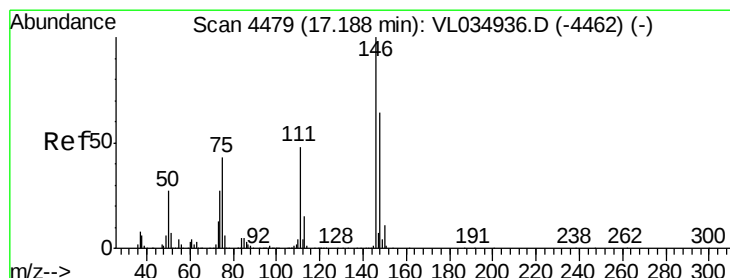
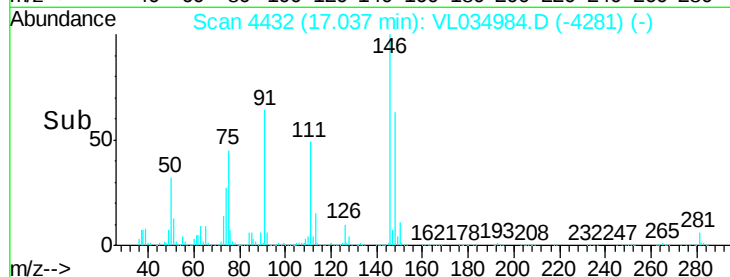
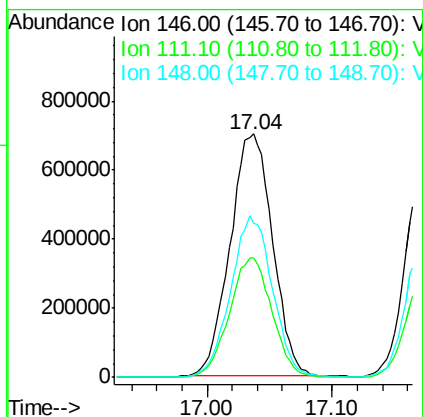
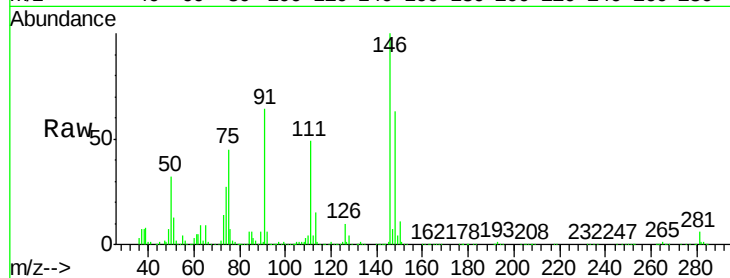
148 65.5 32.6 97.7

Manual Integrations

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#76

1,4-Dichlorobenzene

Concen: 9.658 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.01 min

Lab File: VL034984.D

Acq: 12 May 2020 11:37

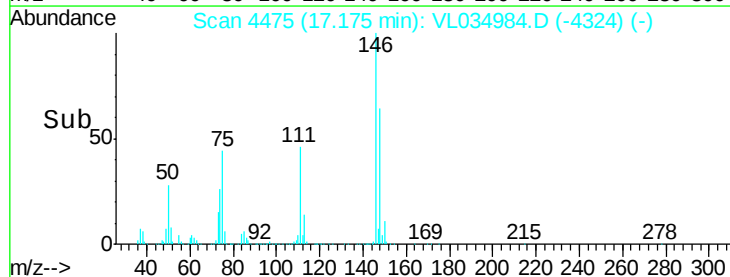
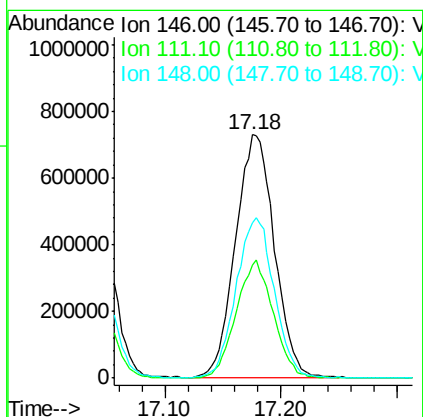
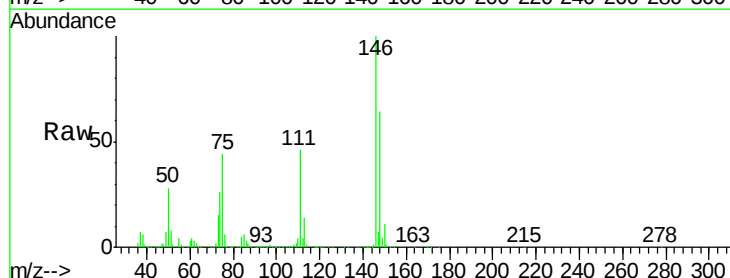
Tgt Ion:146 Resp: 1695415

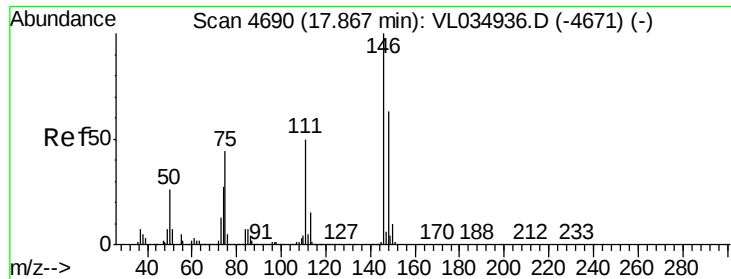
Ion Ratio Lower Upper

146 100

111 46.6 23.7 71.1

148 64.9 32.6 97.8





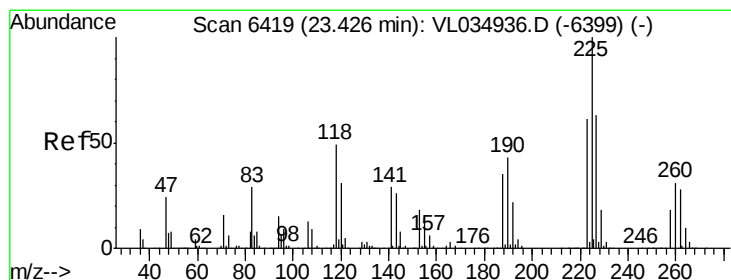
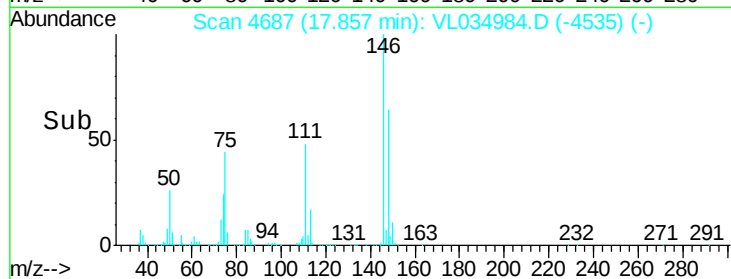
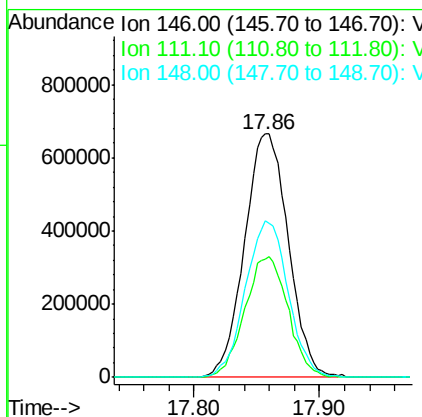
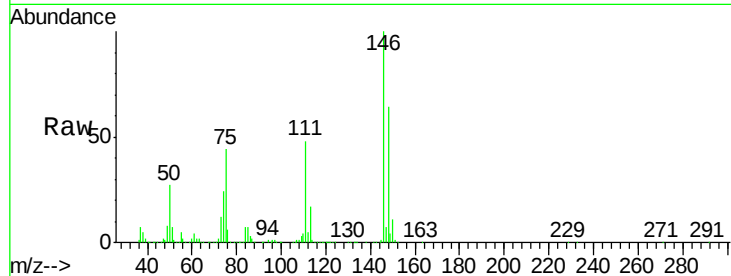
#77
 1,2-Dichlorobenzene
 Concen: 9.275 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion:146 Resp: 1614450
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.5 73.5
 148 63.0 31.7 95.1

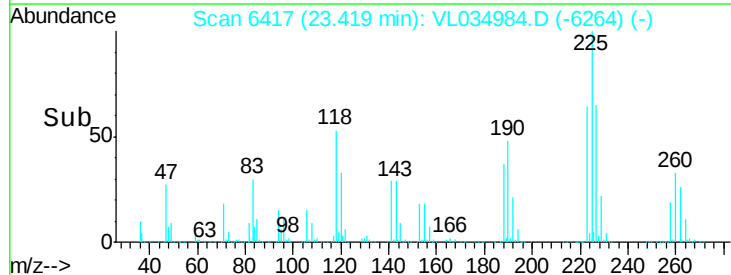
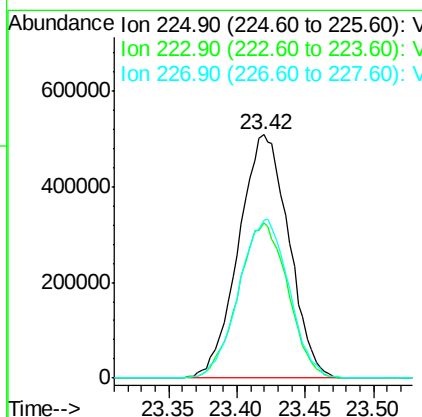
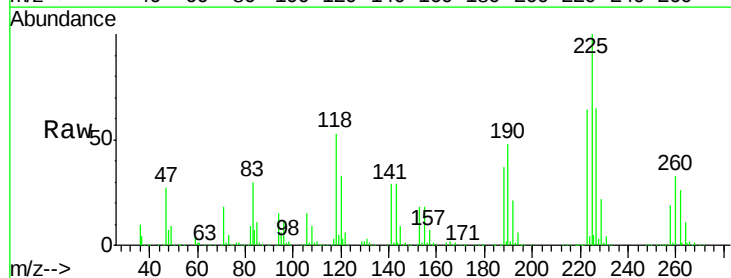
Manual Integrations
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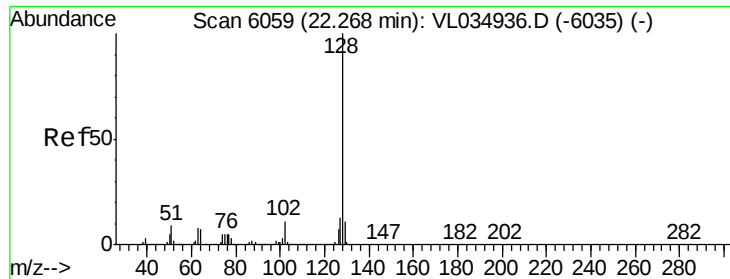
MMDadoda
 5/13/2020 5:11:29 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.678 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.01 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Tgt Ion:225 Resp: 1287670
 Ion Ratio Lower Upper
 225 100
 223 63.7 49.8 74.8
 227 65.6 51.8 77.6





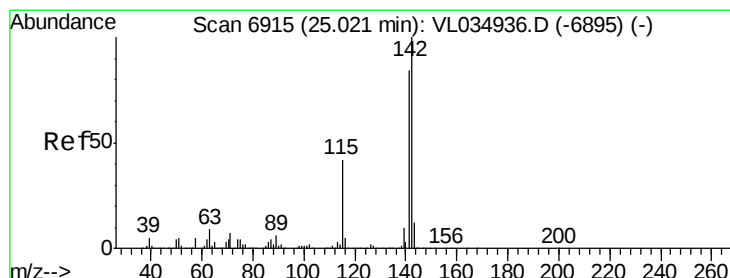
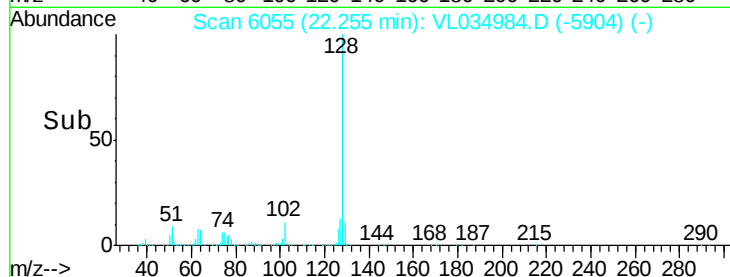
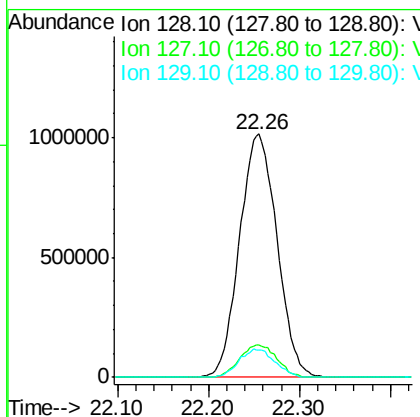
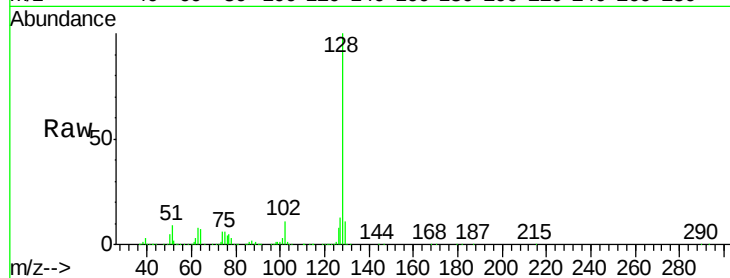
#79
Naphthalene
Concen: 11.857 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	9.0	13.4

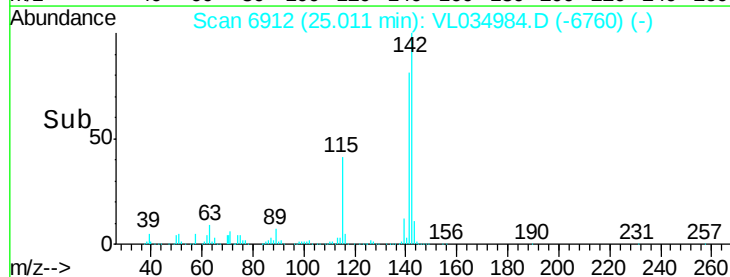
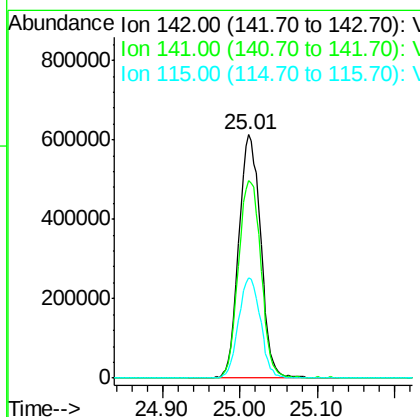
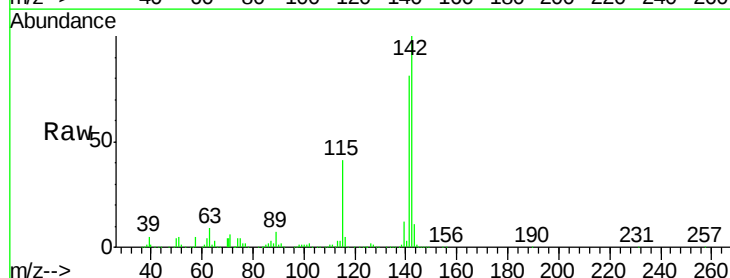
Manual Integrations
APPROVED

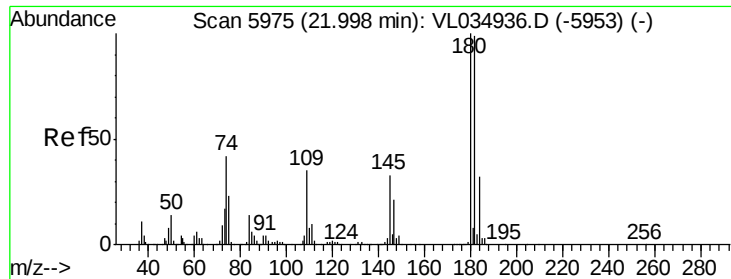
MMDadoda
5/13/2020 5:11:29 PM



#80
Naphthalene, 2-methyl-
Concen: 19.760 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.01 min
Lab File: VL034984.D
Acq: 12 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	68.6	102.8
115	41.4	33.9	50.9





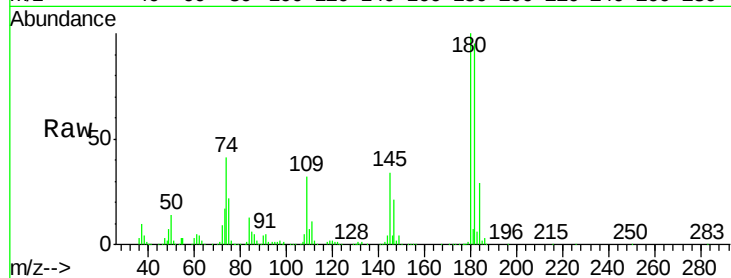
#81
 1,2,4-Trichlorobenzene
 Concen: 10.250 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.02 min
 Lab File: VL034984.D
 Acq: 12 May 2020 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.5	116.3
184	30.7	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

