

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034251.D
 Acq On : 8 Oct 2019 14:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 10/11/2019 5:06:58 PM

Quant Time: Oct 09 05:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1022897	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1791958	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1936496m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1641587	9.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1790384	11.849	ppbv	98
3) Chlorodifluoromethane	2.96	51	1242800	10.362	ppbv	99
4) Chloromethane	3.12	50	727042	10.316	ppbv	98
5) Vinyl Chloride	3.24	62	645798	10.026	ppbv	94
6) Bromomethane	3.46	94	320850	10.677	ppbv	92
7) Chloroethane	3.55	64	243750	10.827	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1401938	10.513	ppbv	97
9) Propene	2.99	41	582840	9.850	ppbv	100
10) Heptane	8.17	43	1549049	10.045	ppbv	100
11) Trichlorofluoromethane	3.94	101	1470819	10.694	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	970746	10.785	ppbv	100
13) Ethanol	3.59	45	118670	8.282	ppbv	94
14) Bromoethene	3.73	108	401845	10.920	ppbv	99
15) Acetone	3.84	43	1234715	9.006	ppbv	99
16) 1,3-Butadiene	3.31	39	638932	10.679	ppbv	99
17) tert-Butyl alcohol	4.29	59	956855	11.015	ppbv	99
18) 1,1-Dichloroethene	4.29	96	434428	11.066	ppbv	90
19) Isopropyl Alcohol	3.96	45	834417	9.898	ppbv	100
20) Methylene Chloride	4.35	84	392438	9.928	ppbv	95
21) Allyl Chloride	4.41	41	842677	10.882	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	429647	10.939	ppbv	98
23) Vinyl Acetate	5.09	43	2041618	10.106	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1371386	10.082	ppbv	100
25) Ethyl Acetate	5.70	43	2541796	9.805	ppbv	100
26) Hexane	5.71	57	1081009	10.024	ppbv	99
27) Carbon Disulfide	4.56	76	1160892	11.672	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1685062	10.521	ppbv	99
29) Chloroform	5.78	83	1597715	10.368	ppbv	98
30) Cyclohexane	7.17	84	791254	10.163	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1141834	10.386	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1540571	10.366	ppbv	99
34) 2-Butanone	5.26	43	1746084	9.543	ppbv	99
35) Carbon Tetrachloride	7.06	117	1553576	10.435	ppbv	97
36) Benzene	6.93	78	1917428	9.688	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1448540	10.290	ppbv	99
38) Trichloroethene	7.89	130	662912	9.375	ppbv	97
39) 1,2-Dichloropropane	7.65	63	846598	9.521	ppbv	99
40) 1,4-Dioxane	7.87	88	270914	9.414	ppbv #	92
41) Tetrahydrofuran	6.07	42	1014371	9.843	ppbv	99
42) Bromodichloromethane	7.84	83	1760149	10.419	ppbv	98
43) Methyl Methacrylate	8.06	69	840282	10.278	ppbv	99

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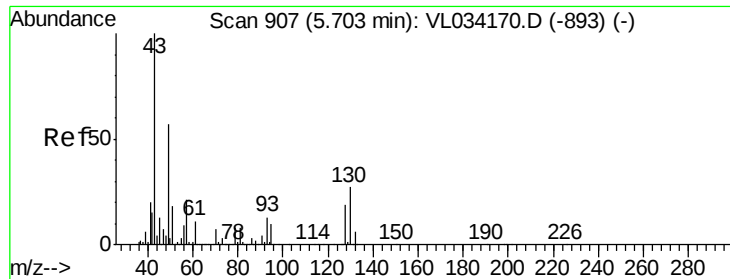
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3626993	9.520	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1105271	11.434	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1265842	10.886	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	768018	9.618	ppbv	97
48) Dibromochloromethane	10.37	129	1313911	10.382	ppbv	99
49) Bromoform	13.12	173	1073128	10.478	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2562429	9.623	ppbv	98
51) 2-Hexanone	10.19	43	2175069	9.733	ppbv	99
52) Tetrachloroethene	11.29	164	593649	9.079	ppbv	96
53) Toluene	9.86	91	2141975	9.903	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1183887	9.970	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.20	131	865096	10.017	ppbv	97
57) Chlorobenzene	12.21	112	1548141	9.182	ppbv	97
58) Ethyl Benzene	12.78	91	2928150	9.371	ppbv	99
59) m/p-Xylene	13.06	91	4836012m	18.686	ppbv	
60) o-Xylene	13.76	91	2429533	9.388	ppbv	98
61) Styrene	13.60	104	1762366	9.507	ppbv	99
62) Isopropylbenzene	14.74	105	3135490	9.360	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1757198	8.281	ppbv	100
64) n-propylbenzene	15.64	120	793794	9.366	ppbv	91
65) tert-Butylbenzene	16.82	119	2648865	9.049	ppbv	98
66) Benzyl Chloride	17.07	91	1284627	12.405	ppbv	98
67) sec-Butylbenzene	17.37	105	3881580	9.274	ppbv	99
69) p-Isopropyltoluene	17.73	119	3135637	9.251	ppbv	99
70) n-Butylbenzene	18.63	91	3552366	9.001	ppbv	98
71) 2-Chlorotoluene	15.53	91	2532197	9.251	ppbv	100
72) 4-Ethyltoluene	15.91	105	2743035	9.382	ppbv	98
73) 1,3,5-Trimethylbenzene	16.08	105	2655162	9.400	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2690712	8.972	ppbv	95
75) 1,3-Dichlorobenzene	17.08	146	1437451	8.933	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1456218	8.837	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1419920	8.718	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	974020	9.029	ppbv	98
79) Naphthalene	22.31	128	2317554	8.777	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	941089	7.664	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1274136	8.711	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1022897

Ion Ratio Lower Upper

49 100

128 35.4 17.6 52.9

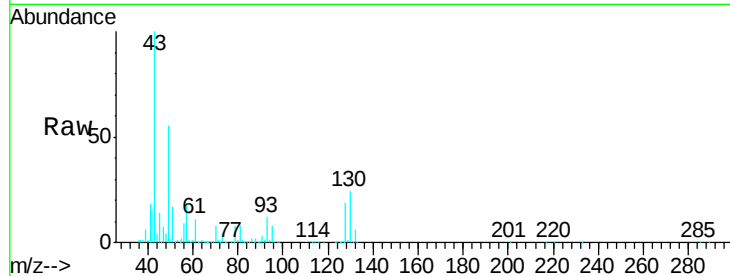
130 44.3 22.3 66.9

Manual Integrations

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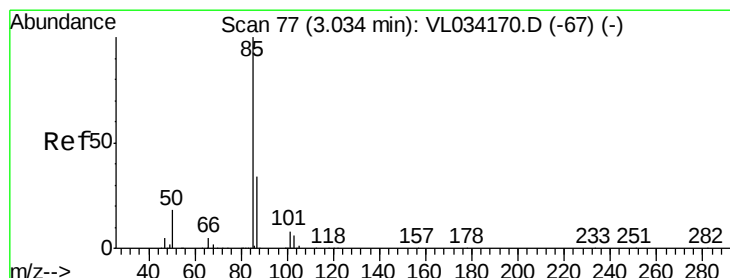
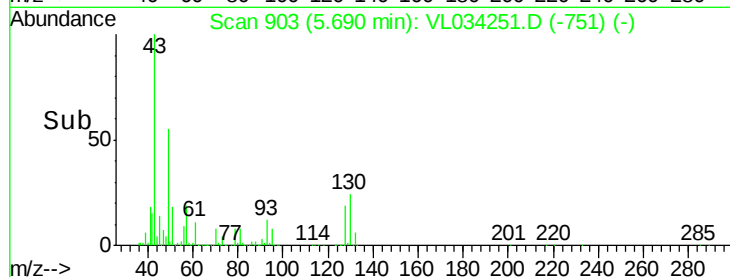
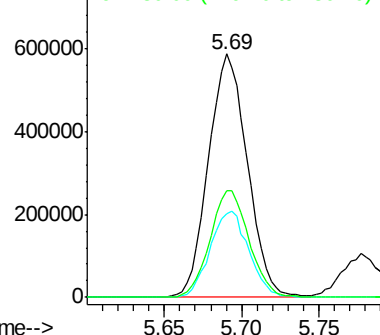
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.849 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034251.D

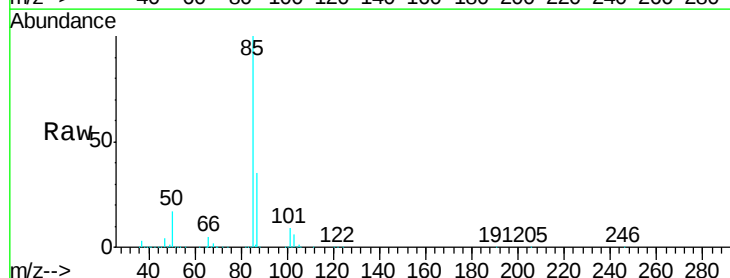
Acq: 8 Oct 2019 14:51

Tgt Ion: 85 Resp: 1790384

Ion Ratio Lower Upper

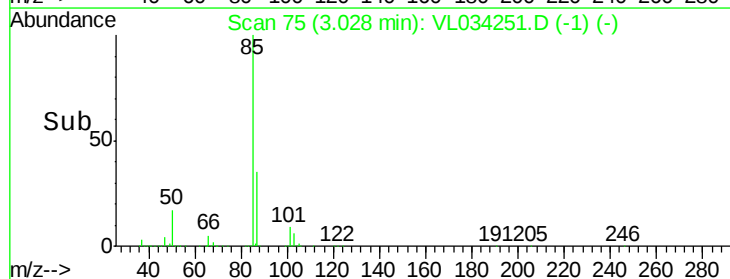
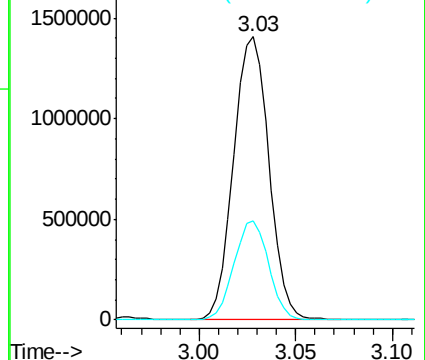
85 100

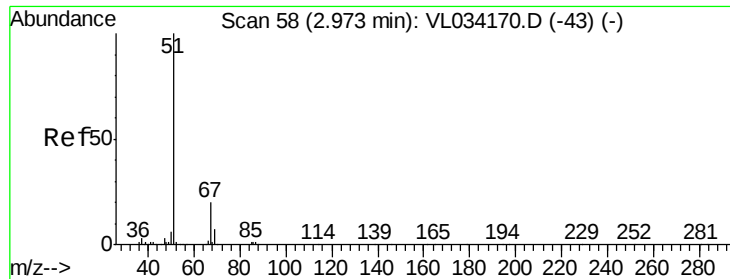
87 35.1 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.362 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 1242800

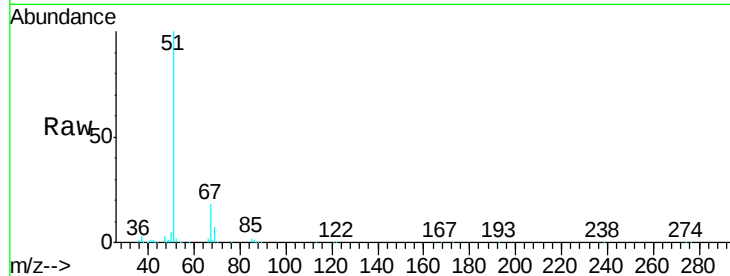
Ion Ratio Lower Upper

51 100

67 18.8 14.8 22.2

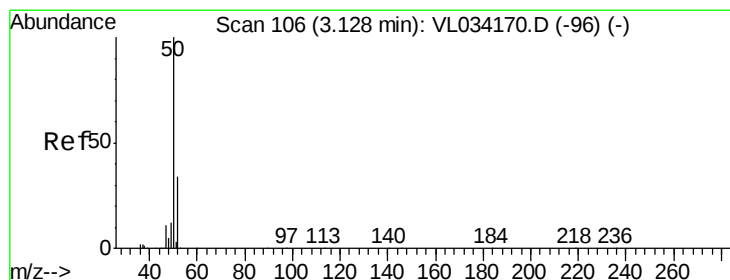
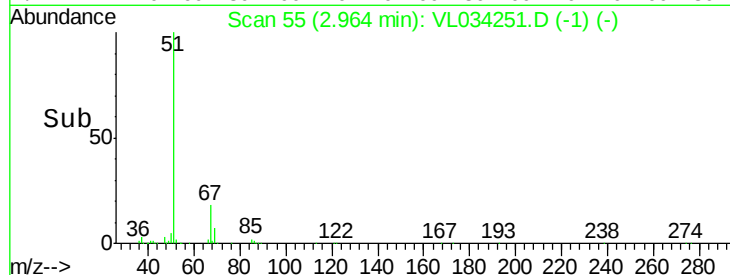
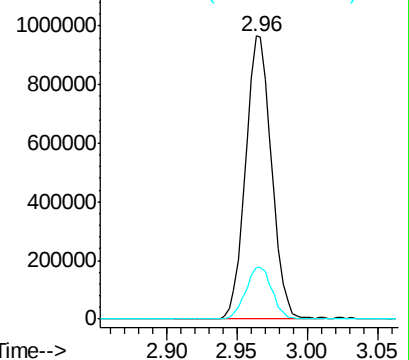
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10/11/2019 5:06:58 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.316 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034251.D

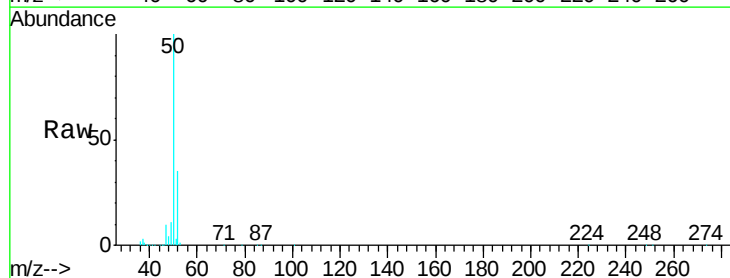
Acq: 8 Oct 2019 14:51

Tgt Ion: 50 Resp: 727042

Ion Ratio Lower Upper

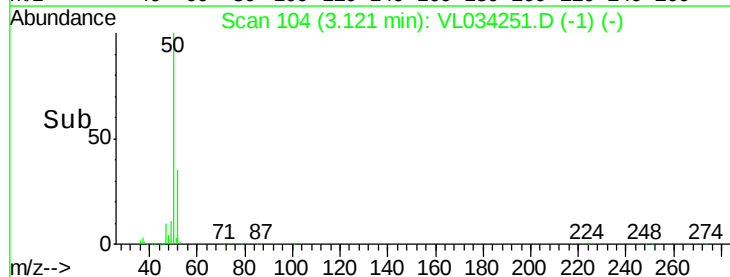
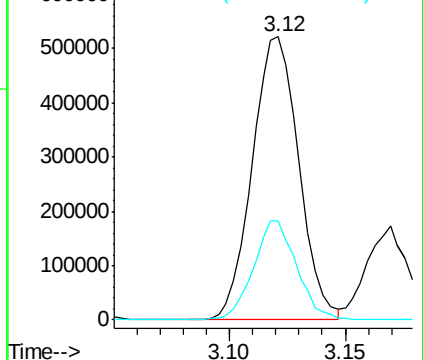
50 100

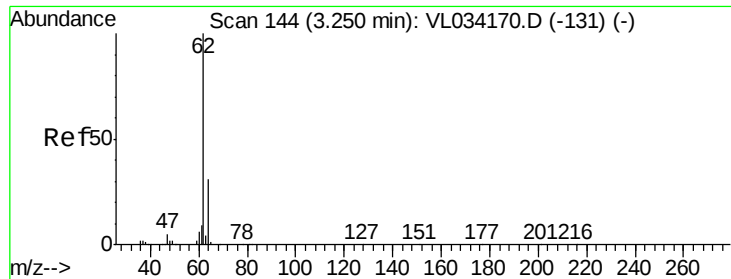
52 34.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.026 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 645798

Ion Ratio Lower Upper

62 100

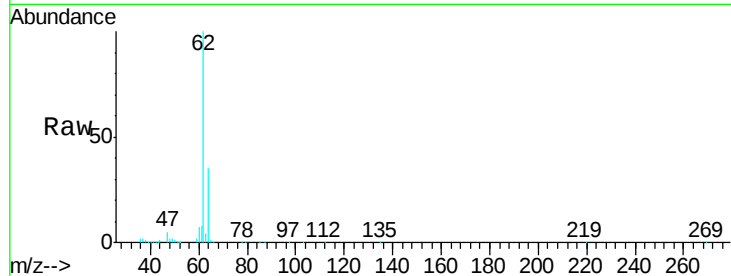
64 34.8 25.2 37.8

Manual Integrations

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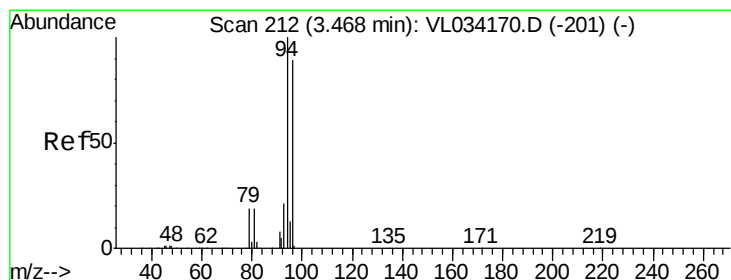
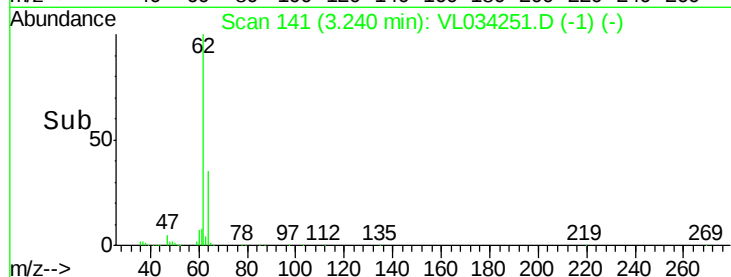
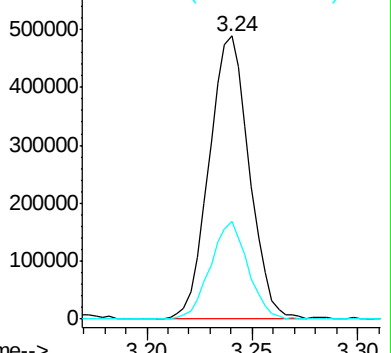
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.677 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034251.D

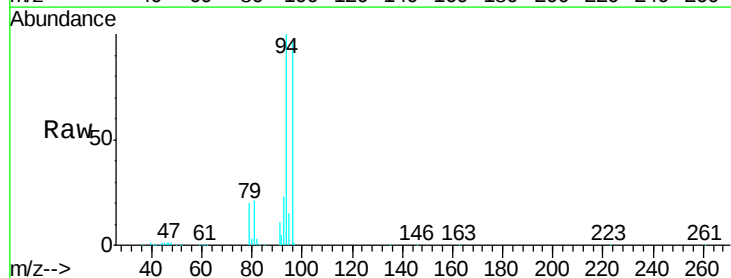
Acq: 8 Oct 2019 14:51

Tgt Ion: 94 Resp: 320850

Ion Ratio Lower Upper

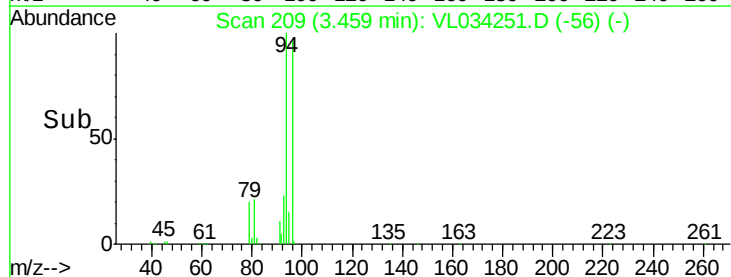
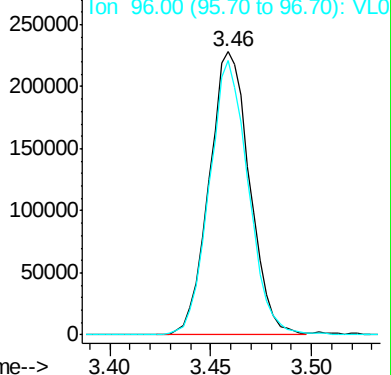
94 100

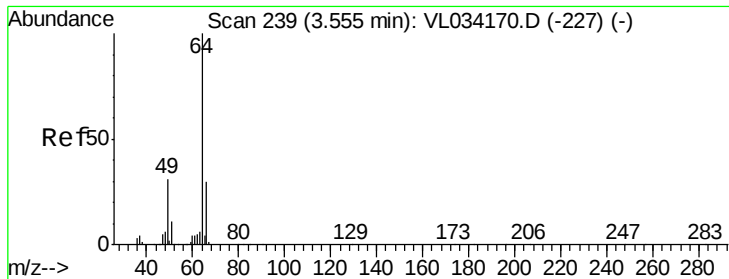
96 97.1 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.827 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 243750

Ion Ratio Lower Upper

64 100

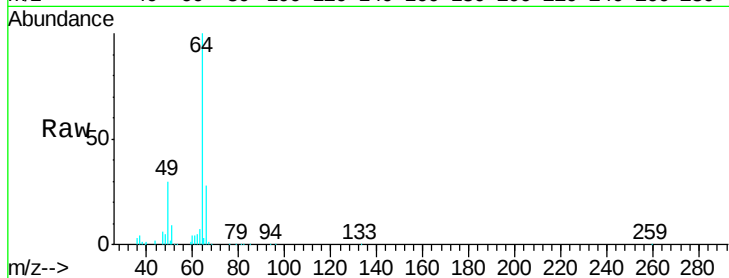
66 27.6 24.2 36.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

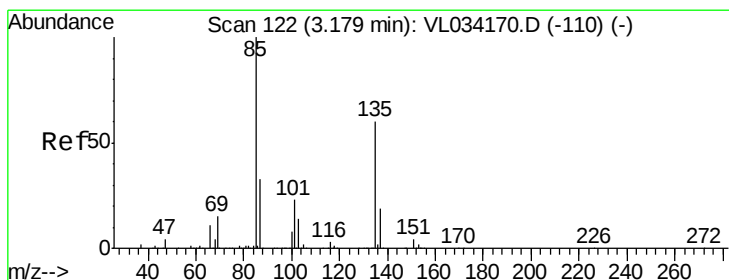
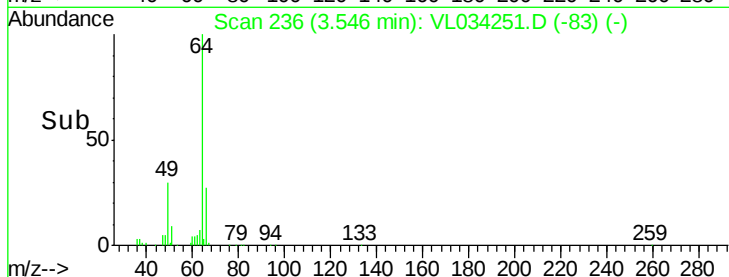
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.513 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034251.D

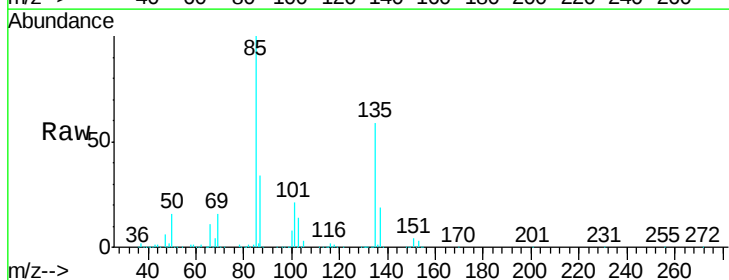
Acq: 8 Oct 2019 14:51

Tgt Ion: 85 Resp: 1401938

Ion Ratio Lower Upper

85 100

135 56.9 47.3 70.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1200000

1000000

800000

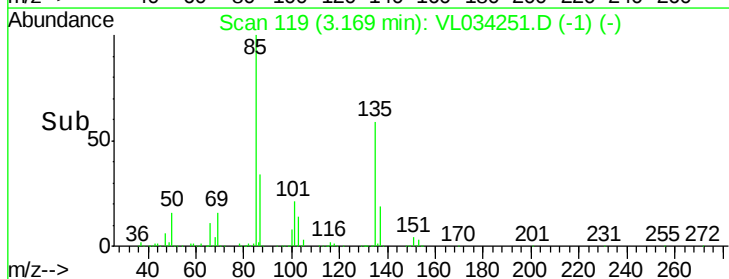
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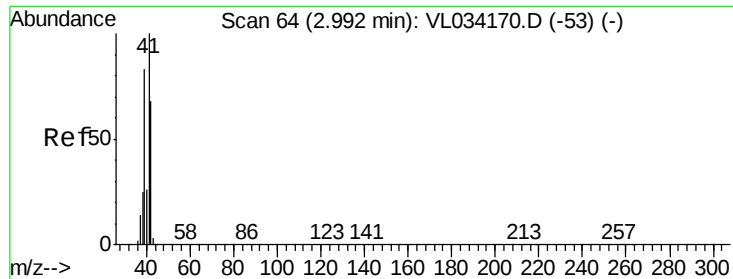
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Time-->





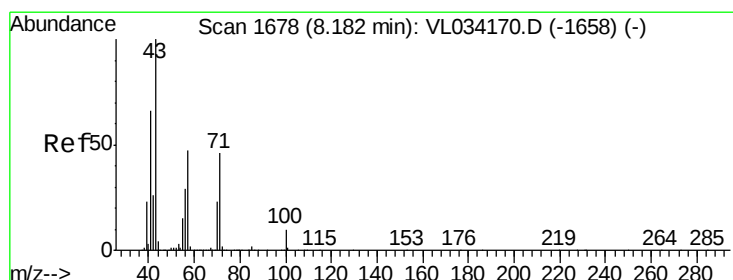
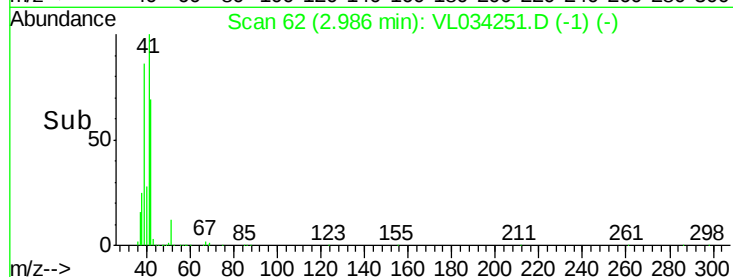
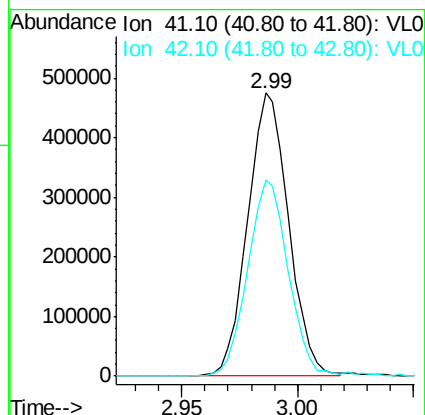
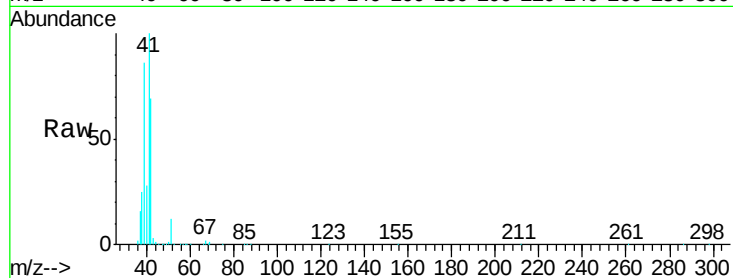
#9
 Propene
 Concen: 9.850 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 582840
 Ion Ratio Lower Upper
 41 100
 42 69.9 55.8 83.6

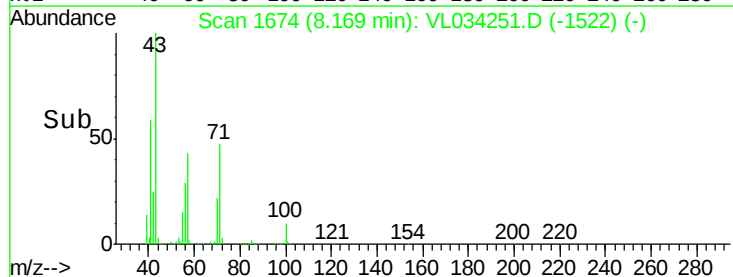
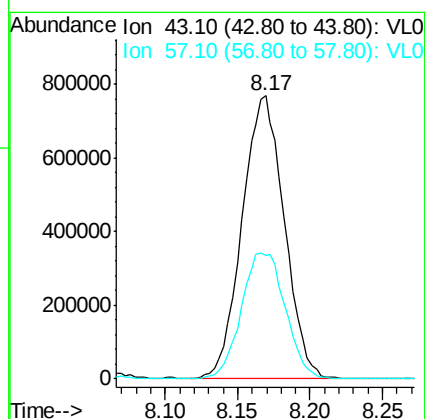
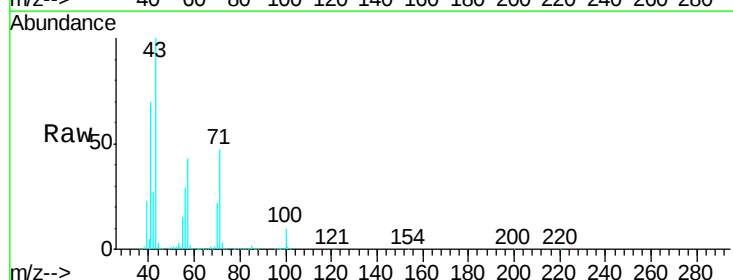
Manual Integrations
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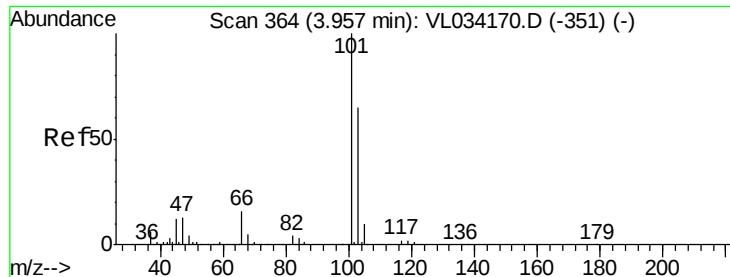
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#10
 Heptane
 Concen: 10.045 ppbv
 RT: 8.17 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 43 Resp: 1549049
 Ion Ratio Lower Upper
 43 100
 57 46.8 37.5 56.3





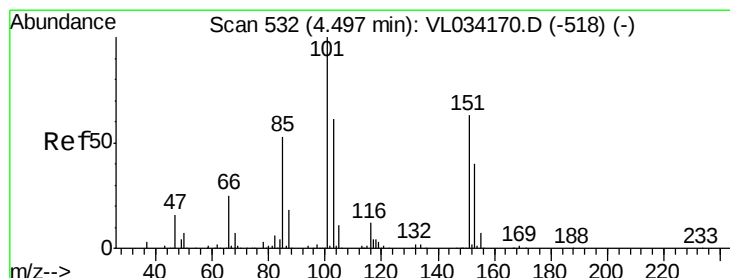
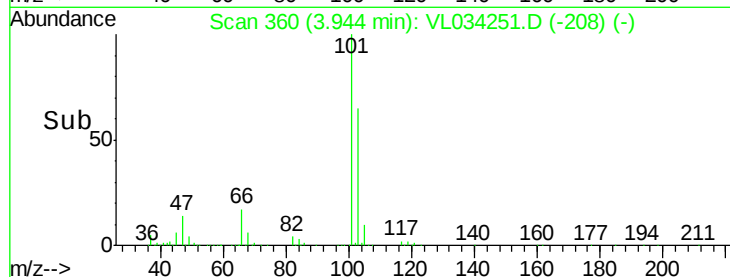
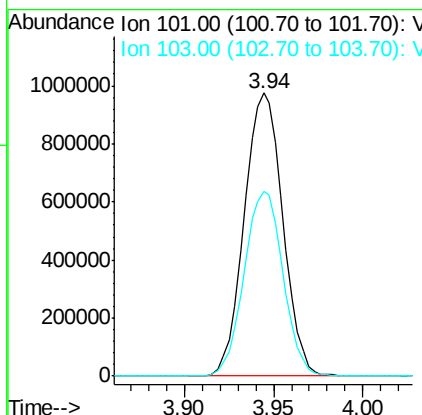
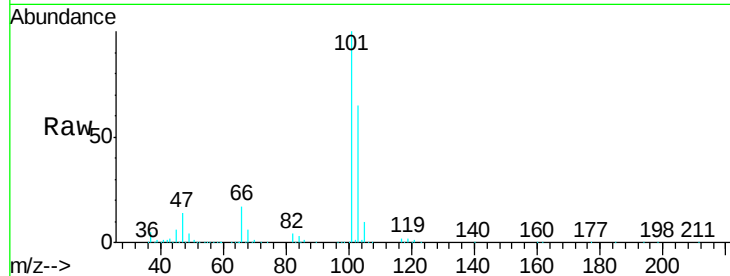
#11
 Trichlorofluoromethane
 Concen: 10.694 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1470819
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.1 78.1

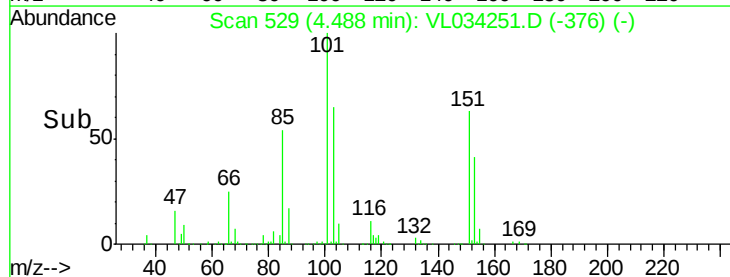
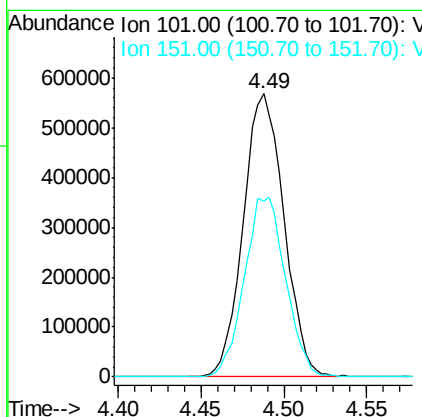
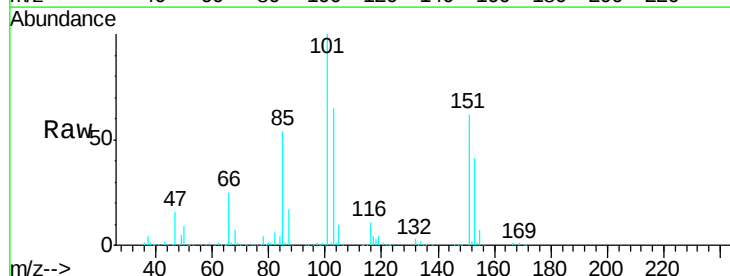
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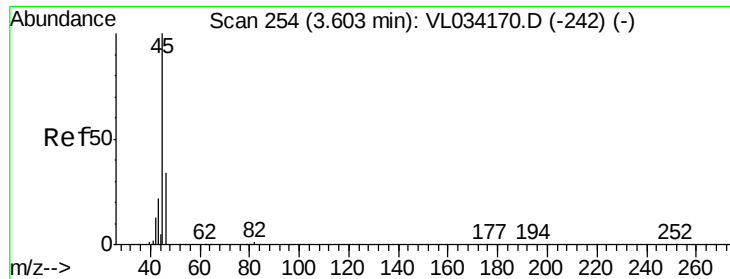
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.785 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion:101 Resp: 970746
 Ion Ratio Lower Upper
 101 100
 151 64.4 51.8 77.8





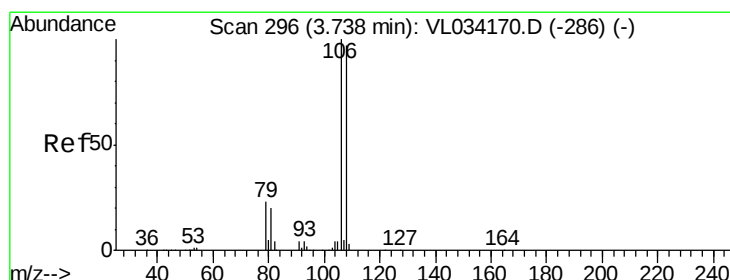
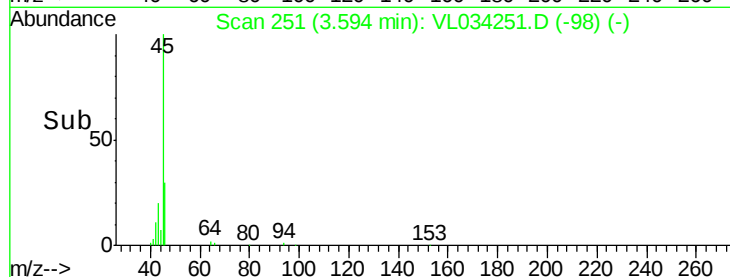
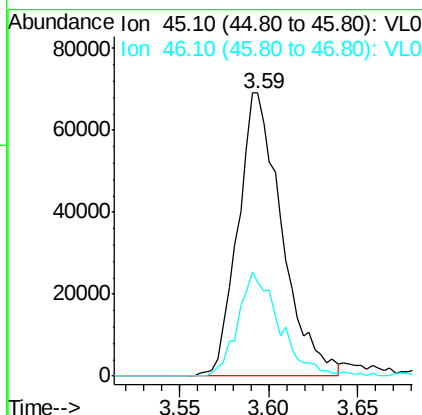
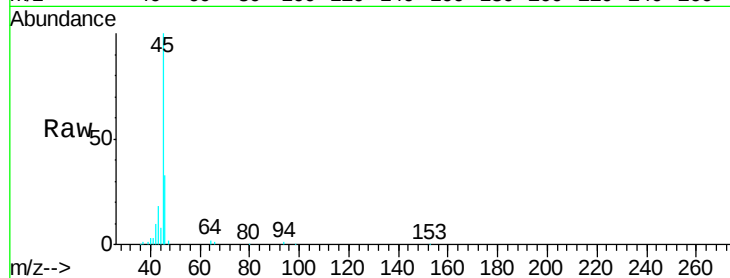
#13
Ethanol
Concen: 8.282 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 118670
Ion Ratio Lower Upper
45 100
46 35.0 15.5 61.9

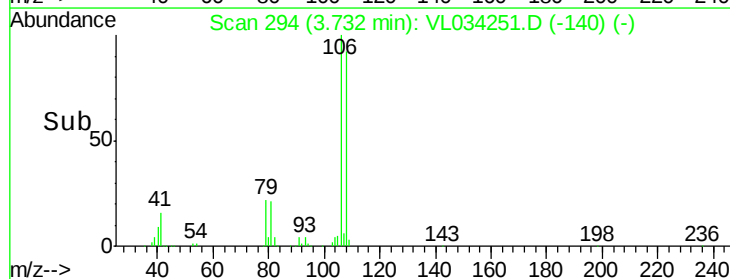
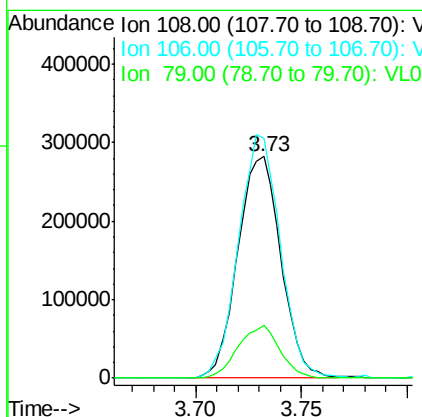
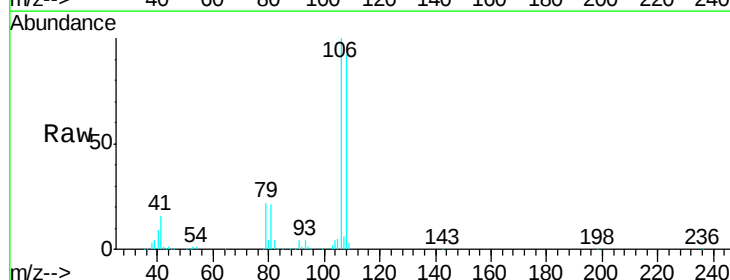
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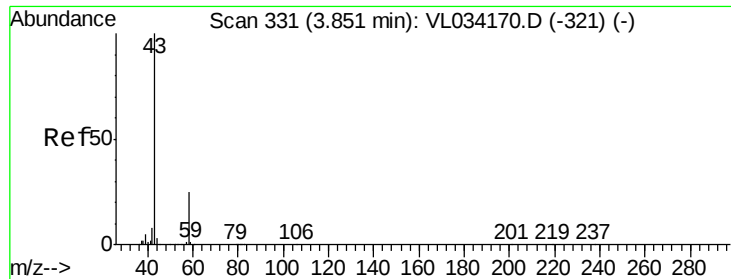
MMDadoda
10/11/2019 5:06:58 PM



#14
Bromoethene
Concen: 10.920 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 108 Resp: 401845
Ion Ratio Lower Upper
108 100
106 107.0 86.2 129.4
79 23.3 18.6 27.8





#15

Acetone

Concen: 9.006 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1234715

Ion Ratio Lower Upper

43 100

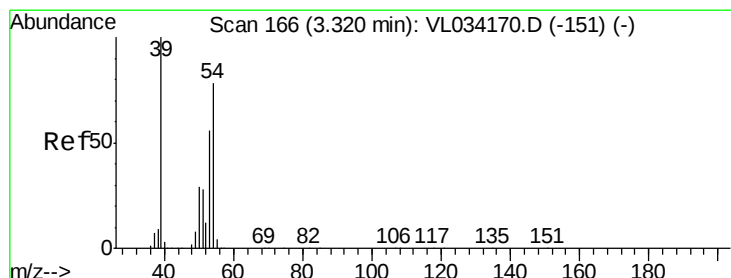
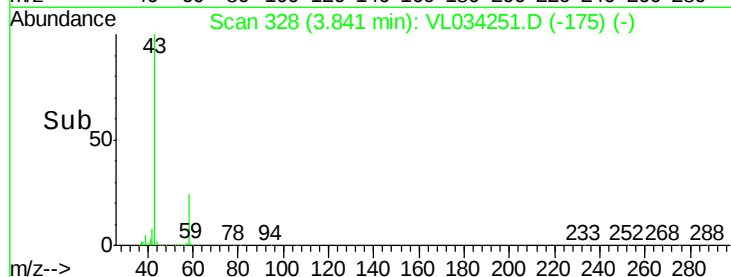
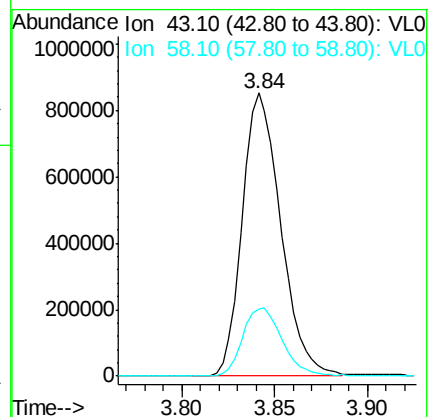
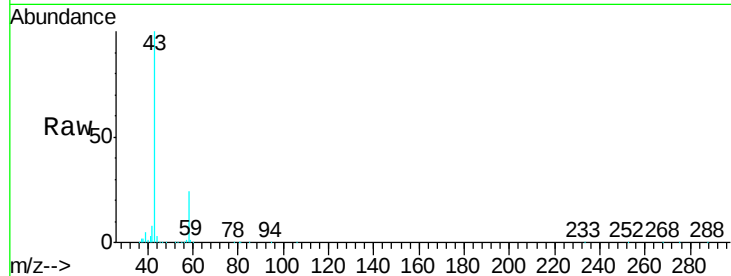
58 24.9 20.5 30.7

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#16

1,3-Butadiene

Concen: 10.679 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL034251.D

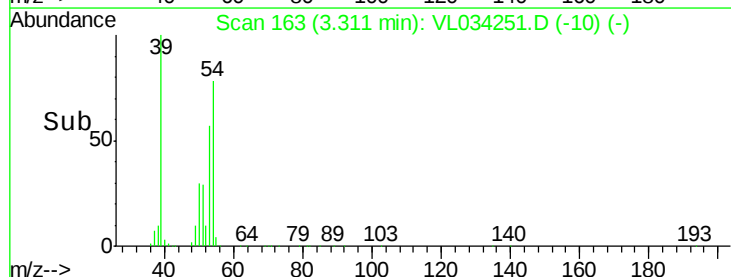
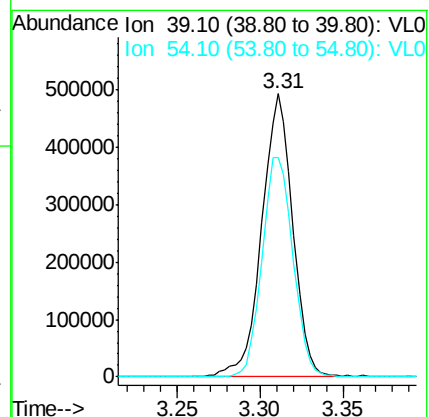
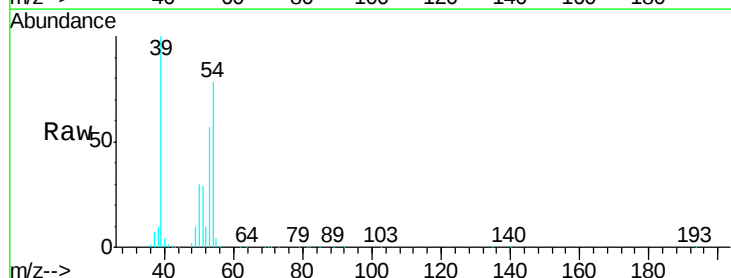
Acq: 8 Oct 2019 14:51

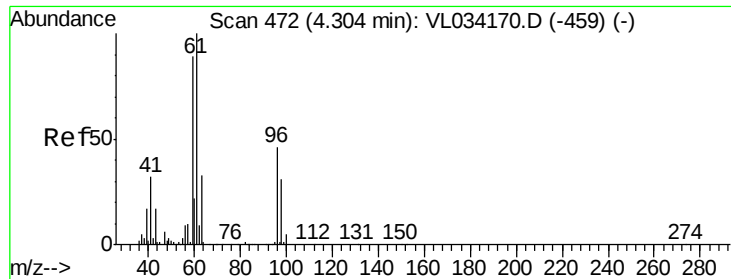
Tgt Ion: 39 Resp: 638932

Ion Ratio Lower Upper

39 100

54 78.1 63.4 95.0





#17

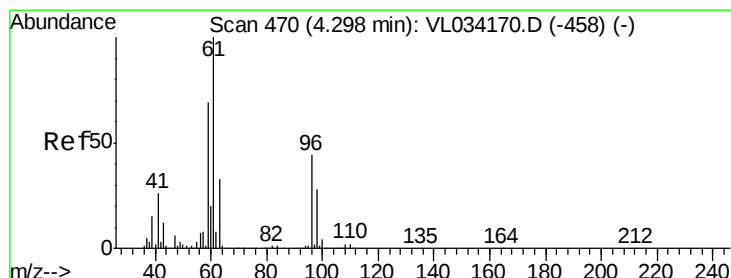
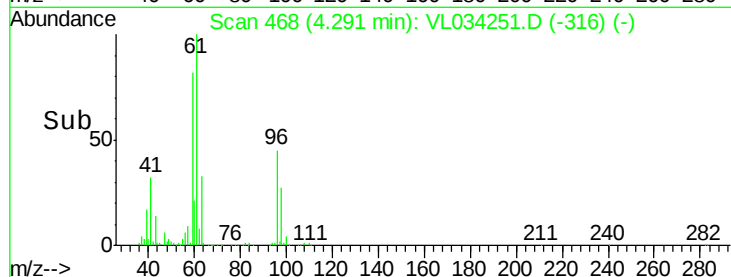
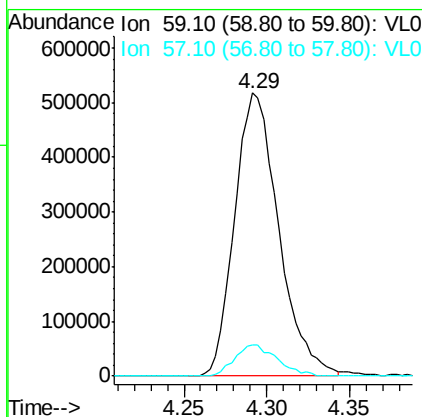
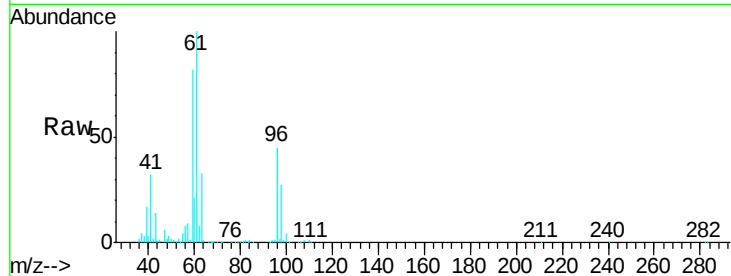
tert-Butyl alcohol
 Concen: 11.015 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 59 Resp: 956855
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.7 13.1

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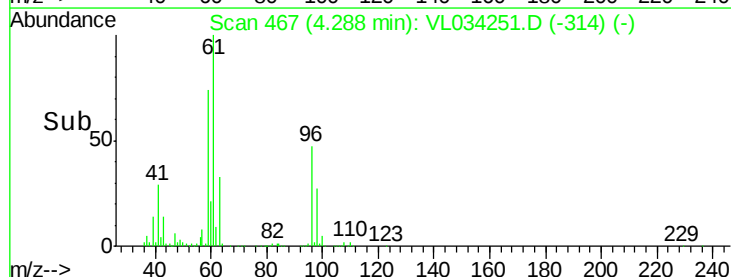
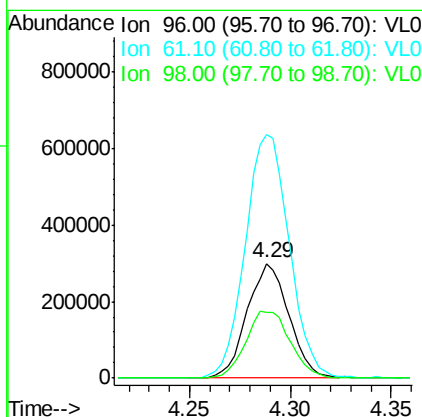
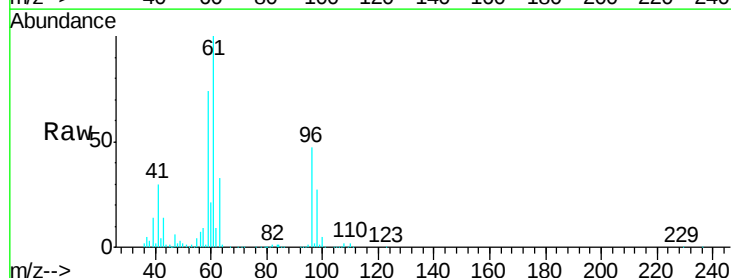
MMDadoda
 10/11/2019 5:06:58 PM

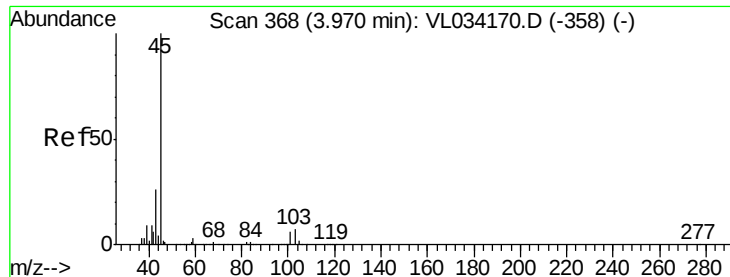


#18

1,1-Dichloroethene
 Concen: 11.066 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 96 Resp: 434428
 Ion Ratio Lower Upper
 96 100
 61 212.9 183.3 274.9
 98 57.5 51.4 77.2





#19

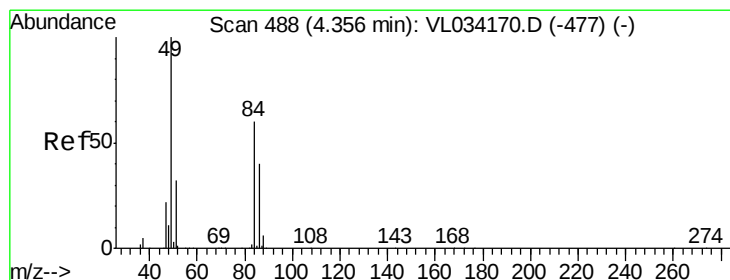
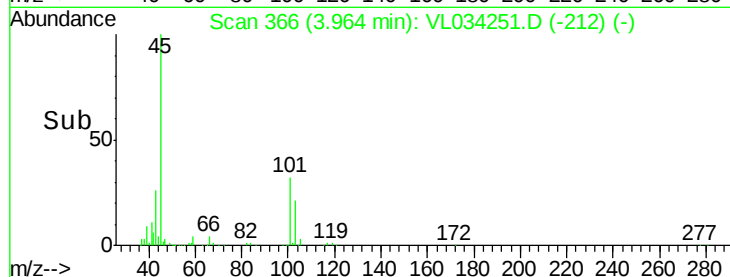
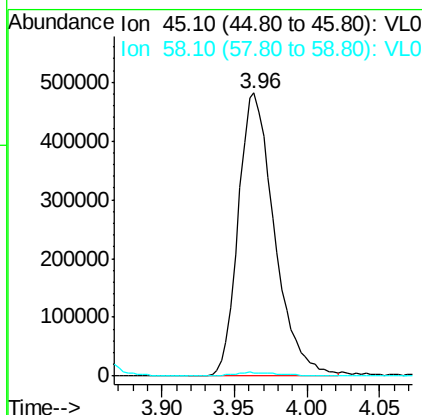
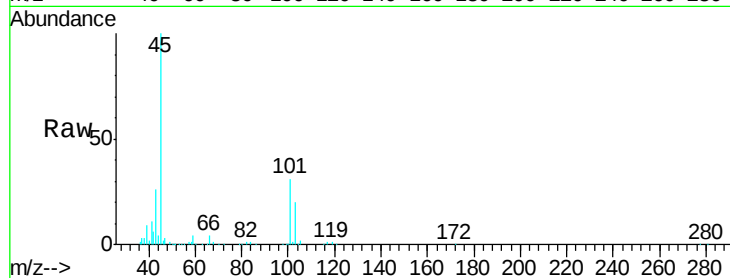
Isopropyl Alcohol
 Concen: 9.898 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 45 Resp: 834417
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.4 2.0

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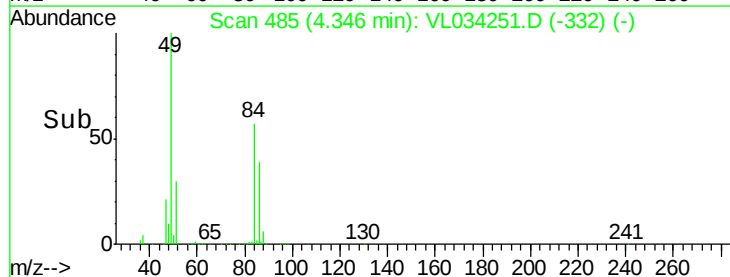
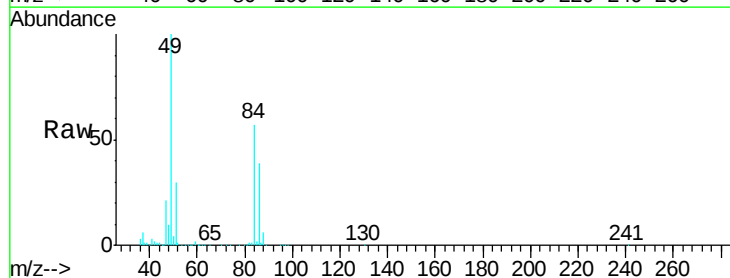
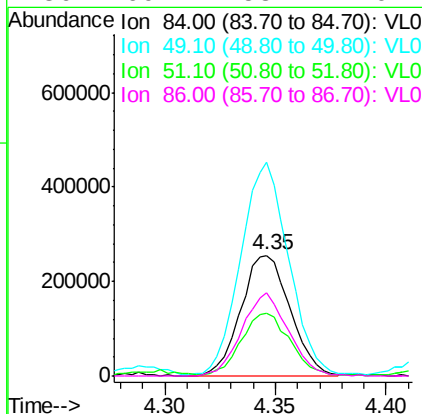
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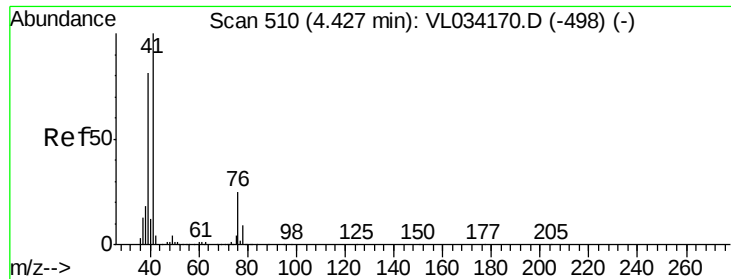


#20

Methylene Chloride
 Concen: 9.928 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 84 Resp: 392438
 Ion Ratio Lower Upper
 84 100
 49 175.9 133.8 200.8
 51 51.7 43.6 65.4
 86 69.2 53.1 79.7





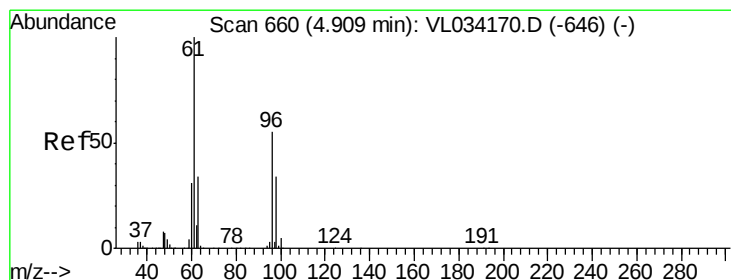
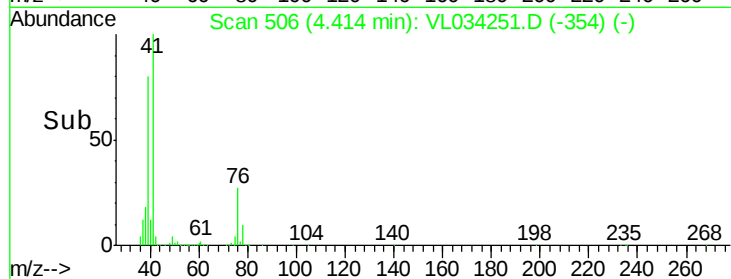
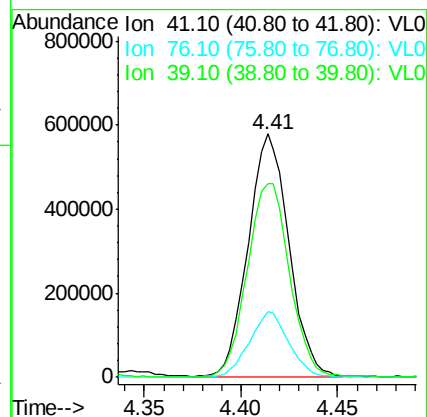
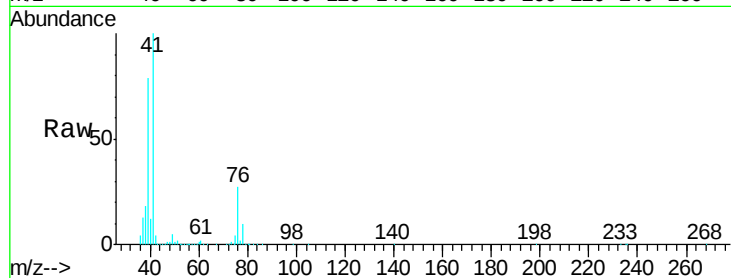
#21
 Allyl Chloride
 Concen: 10.882 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.8	32.6
39	83.4	64.8	97.2

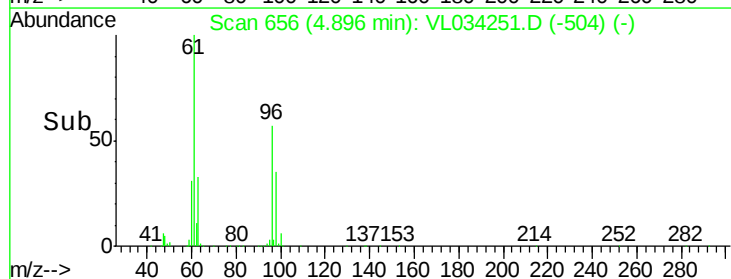
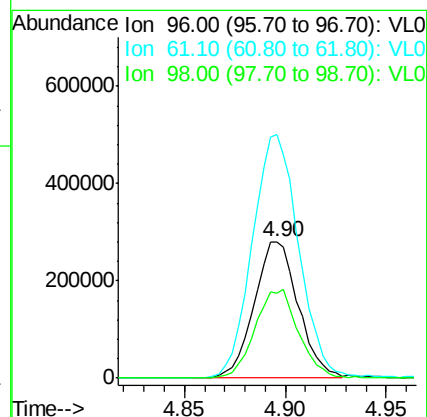
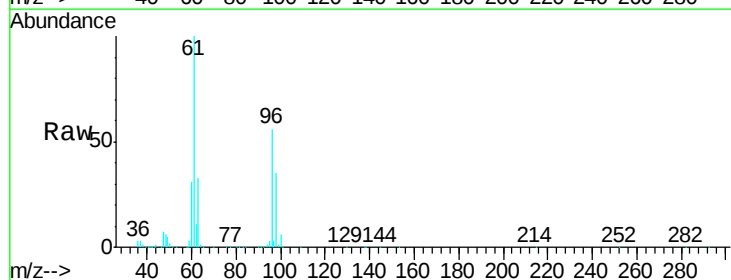
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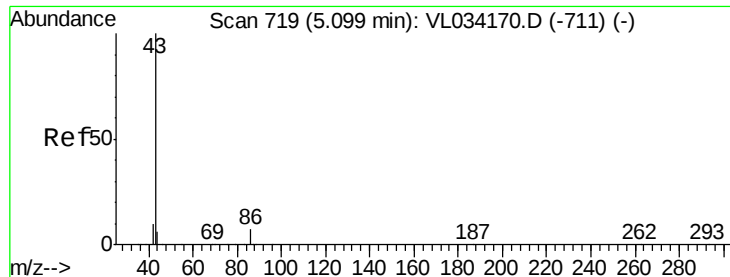
MMDadoda
 10/11/2019 5:06:58 PM



#22
 trans-1,2-Dichloroethene
 Concen: 10.939 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.8	145.5	218.3
98	62.2	49.9	74.9





#23

Vinyl Acetate

Concen: 10.106 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2041618

Ion Ratio Lower Upper

43 100

86 6.1 5.1 7.7

42 10.9 8.6 12.8

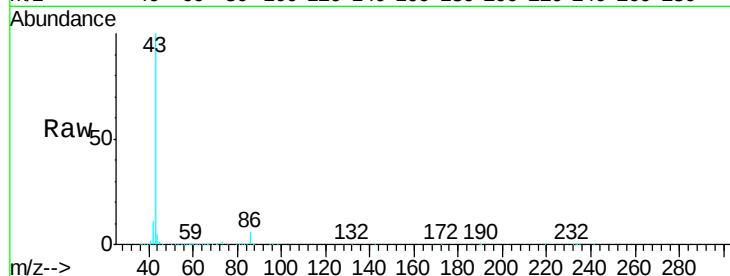
44 5.3 4.7 7.1

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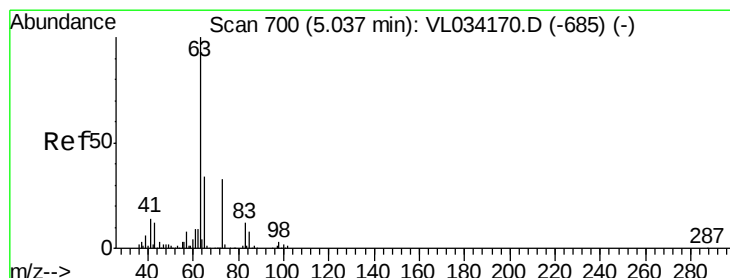
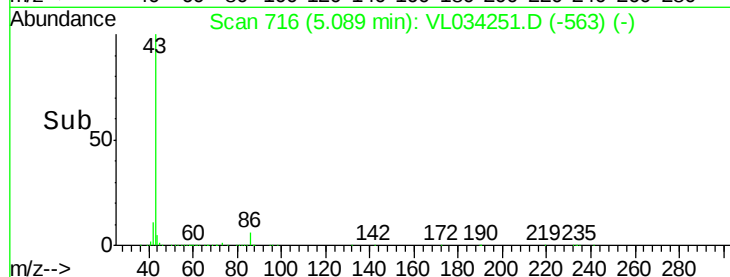
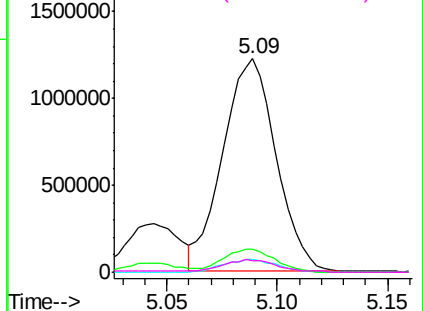


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.082 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

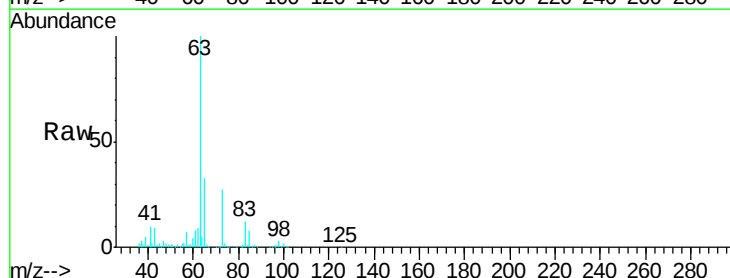
Tgt Ion: 63 Resp: 1371386

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.3

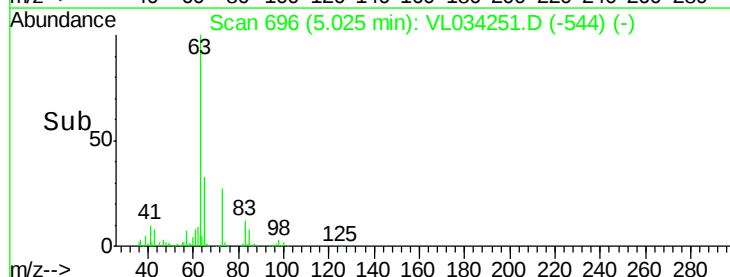
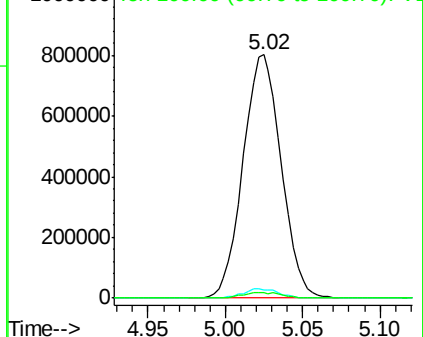
100 2.0 1.0 3.0

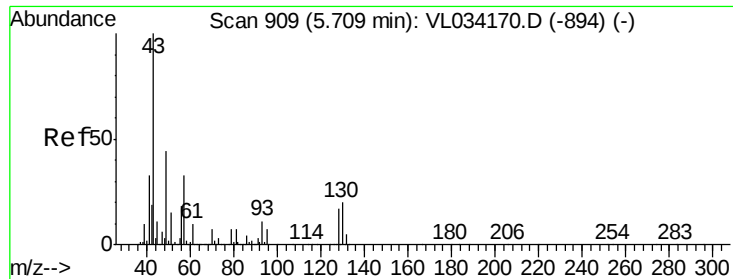


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.805 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2541796

Ion Ratio Lower Upper

43 100

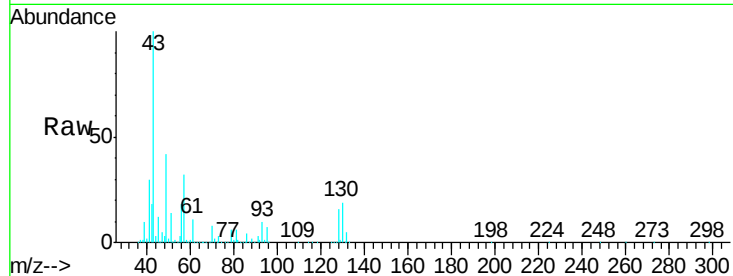
45 10.5 8.4 12.6

61 9.0 7.2 10.8

70 6.7 5.3 7.9

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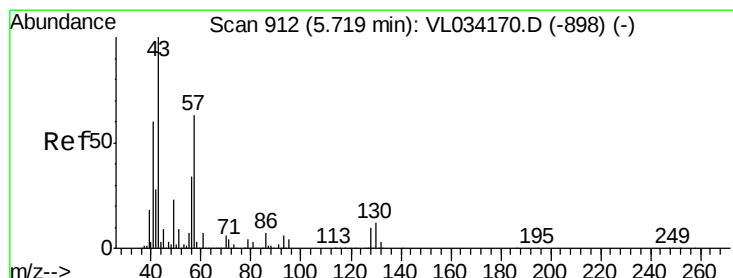
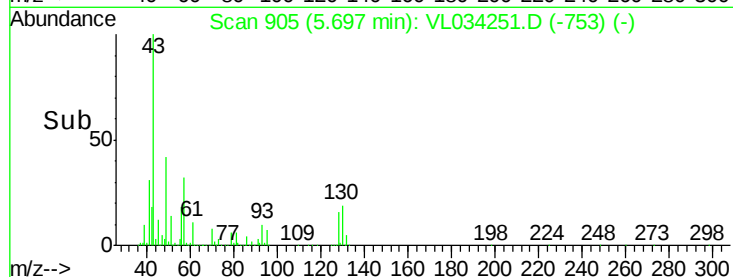
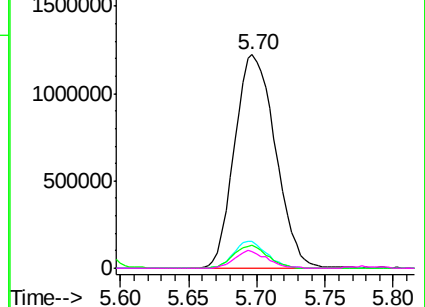


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.024 ppbv

RT: 5.71 min Scan# 909

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Tgt Ion: 57 Resp: 1081009

Ion Ratio Lower Upper

57 100

41 96.2 78.5 117.7

43 236.1 189.5 284.3

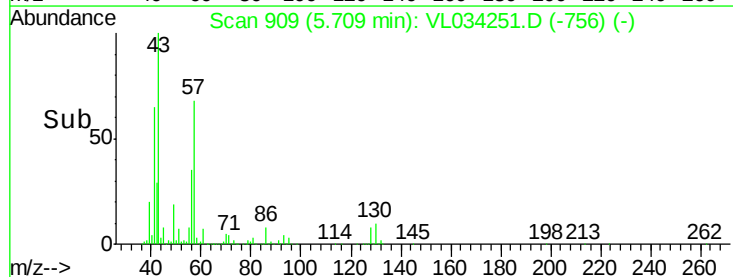
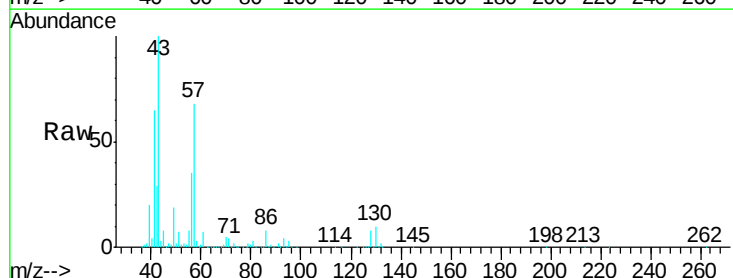
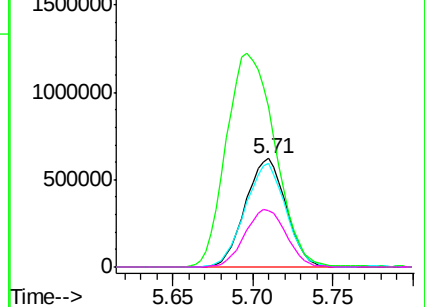
56 54.0 43.2 64.8

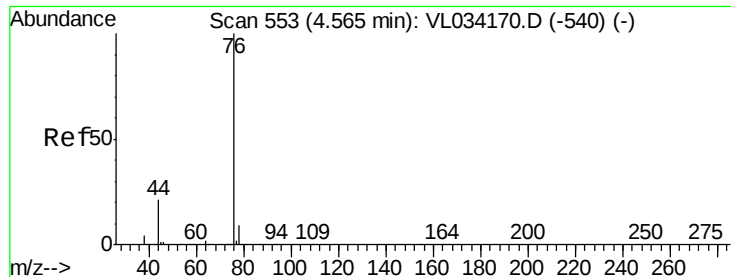
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.672 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1160892

Ion Ratio Lower Upper

76 100

44 21.4 17.6 26.4

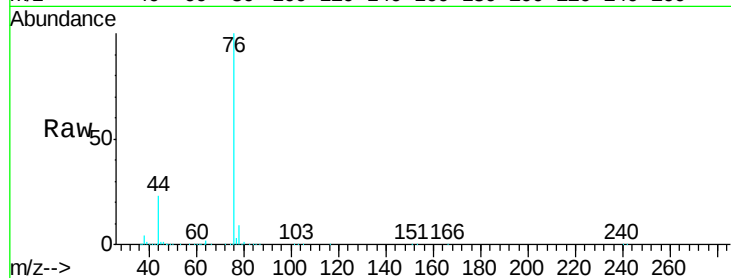
78 9.7 7.6 11.4

Manual Integrations

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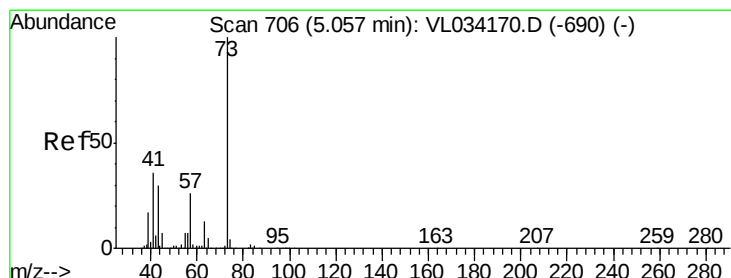
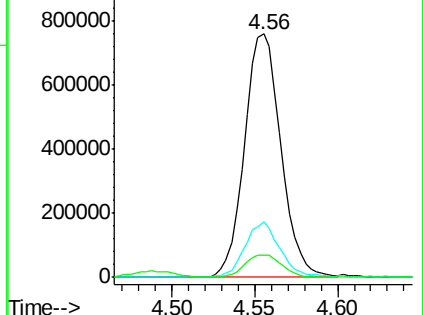
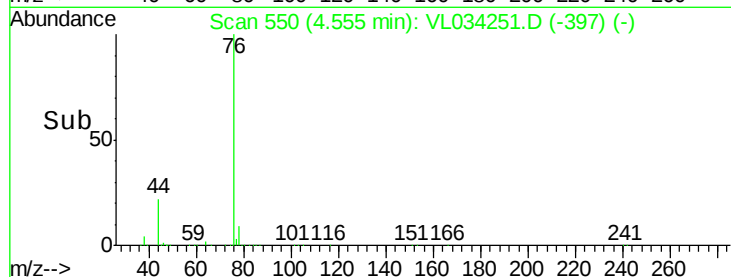
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.521 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034251.D

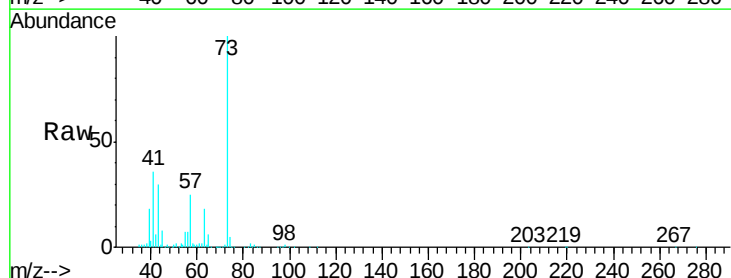
Acq: 8 Oct 2019 14:51

Tgt Ion: 73 Resp: 1685062

Ion Ratio Lower Upper

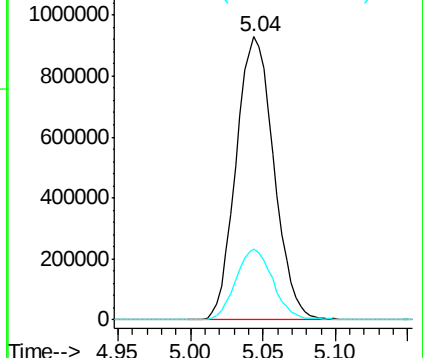
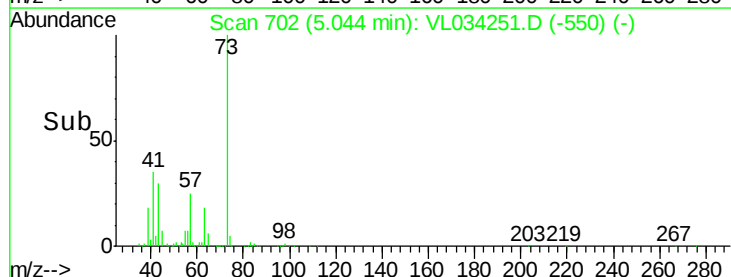
73 100

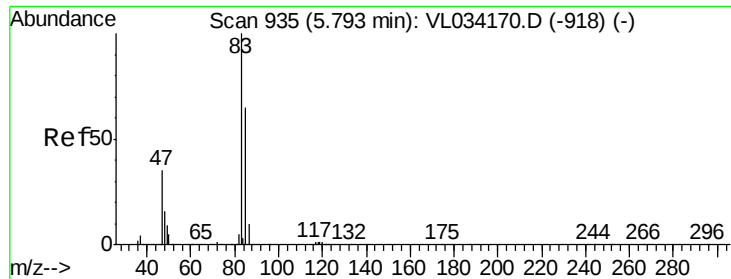
57 24.8 20.2 30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.368 ppbv

RT: 5.78 min Scan# 930

Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1597715

Ion Ratio Lower Upper

83 100

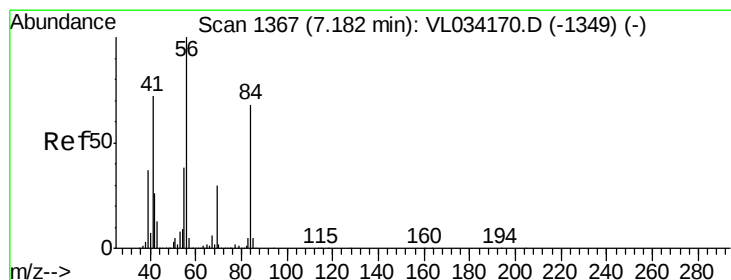
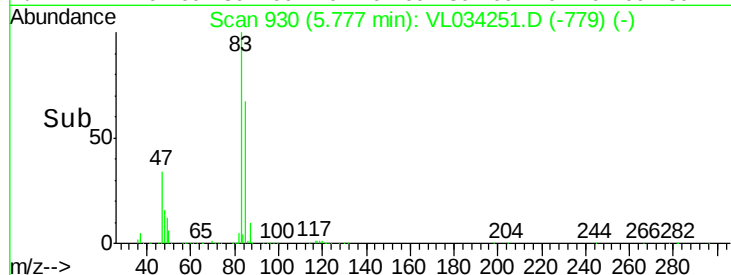
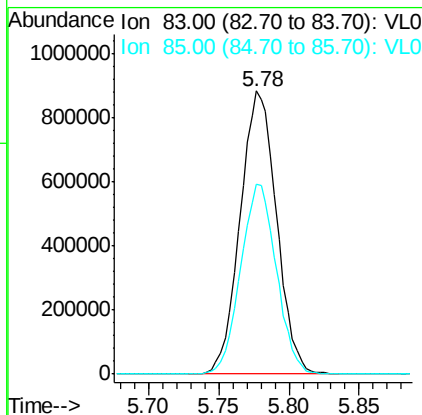
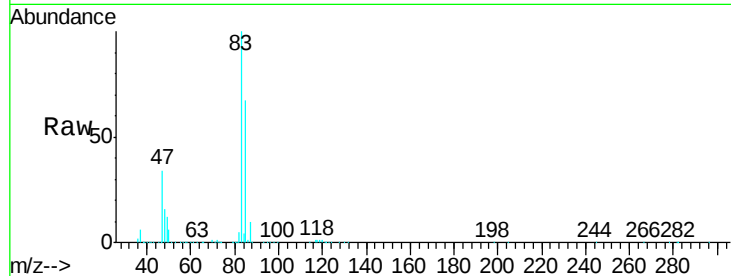
85 67.2 52.3 78.5

Manual Integrations

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10/11/2019 5:06:58 PM



#30

Cyclohexane

Concen: 10.163 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

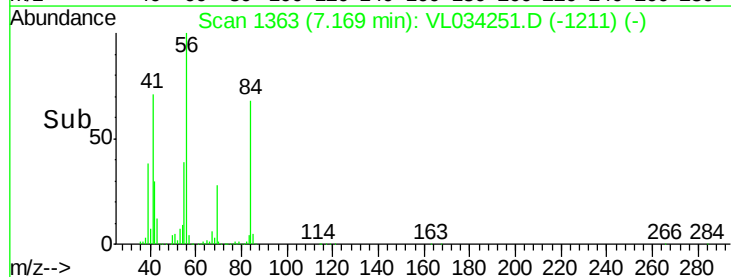
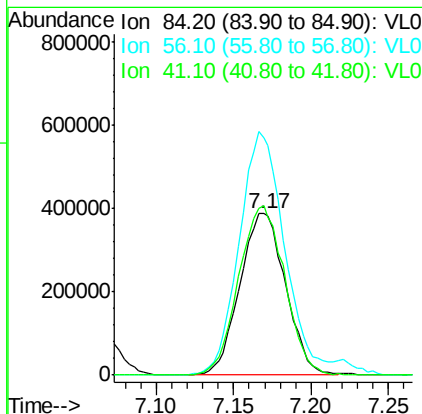
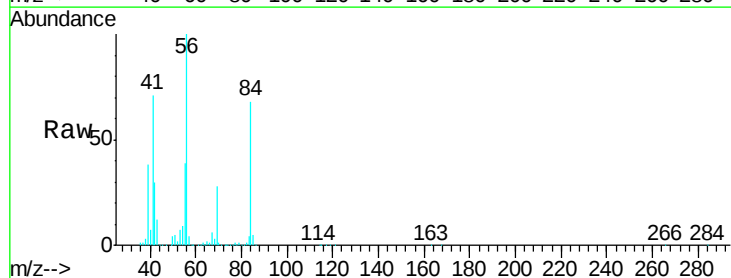
Tgt Ion: 84 Resp: 791254

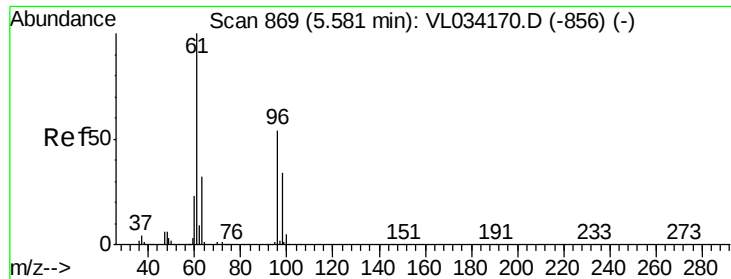
Ion Ratio Lower Upper

84 100

56 156.1 126.2 189.2

41 106.5 85.8 128.8





#31

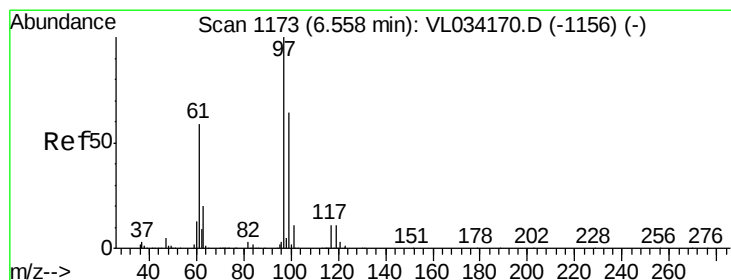
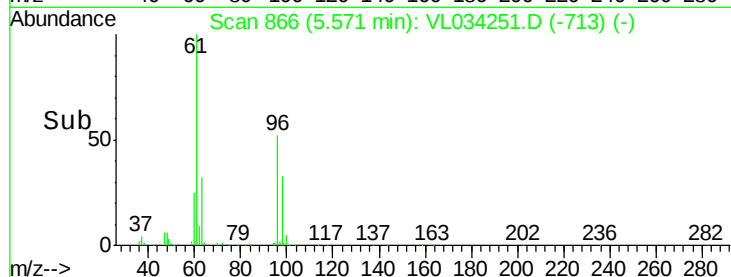
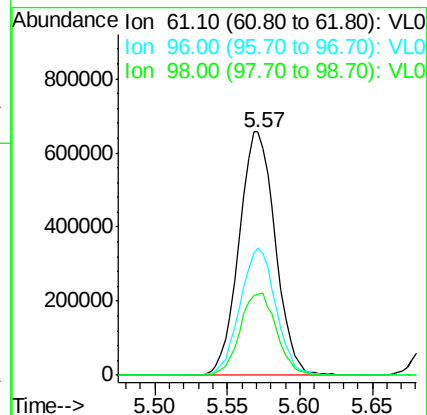
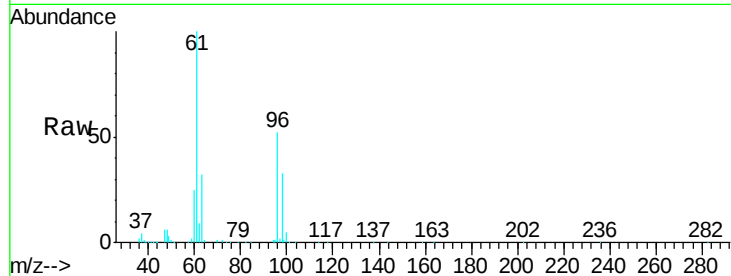
cis-1,2-Dichloroethene
 Concen: 10.386 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1141834
 Ion Ratio Lower Upper
 61 100
 96 52.1 43.0 64.4
 98 33.0 27.2 40.8

Manual Integrations
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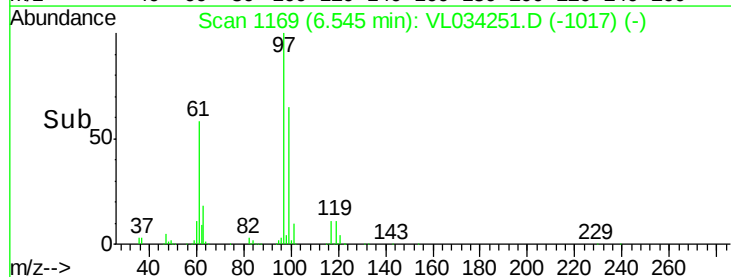
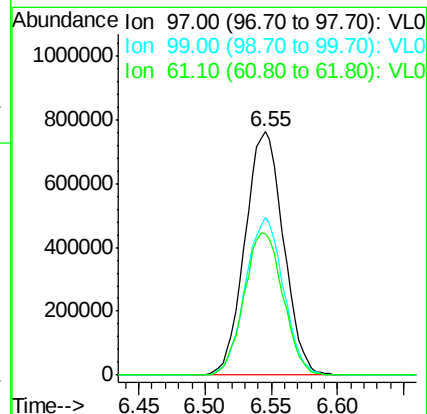
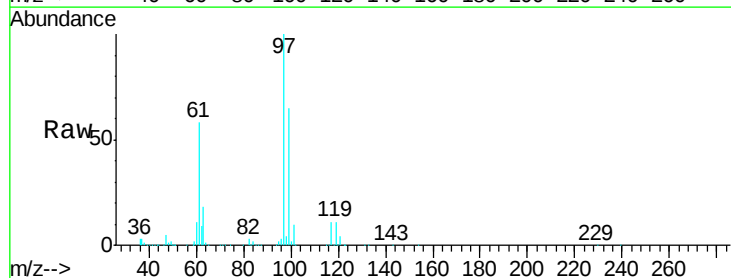
MMDadoda
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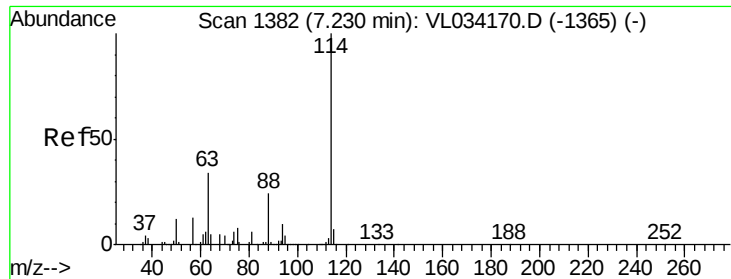


#32

1,1,1-Trichloroethane
 Concen: 10.366 ppbv
 RT: 6.55 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 97 Resp: 1540571
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.4 77.2
 61 59.1 48.4 72.6





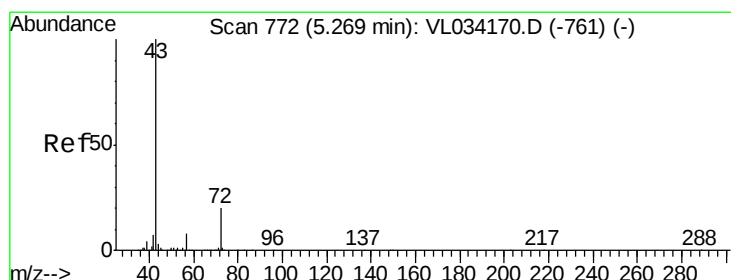
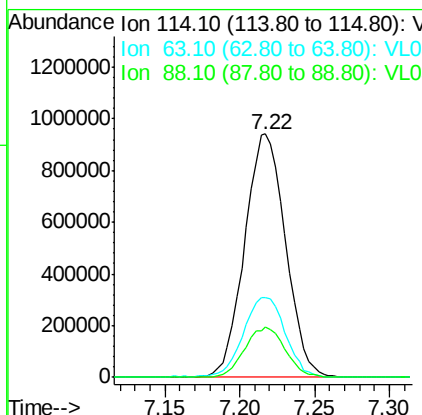
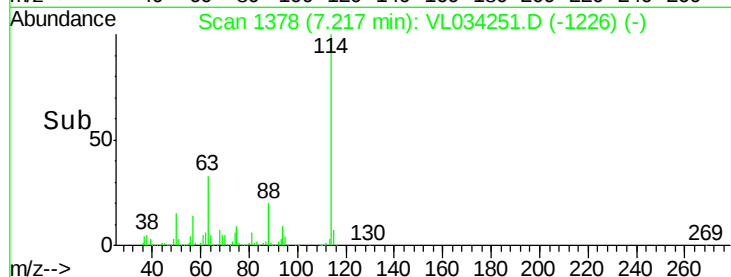
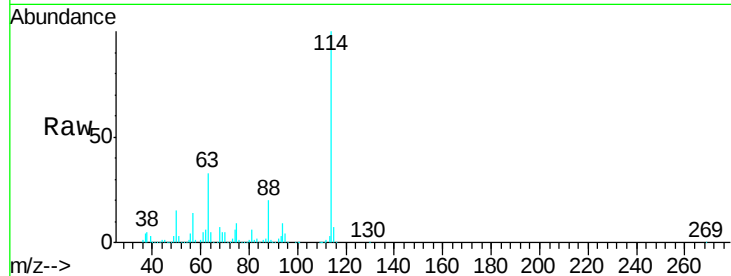
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
114	100		
63	34.3	27.8	41.6
88	20.5	17.1	25.7

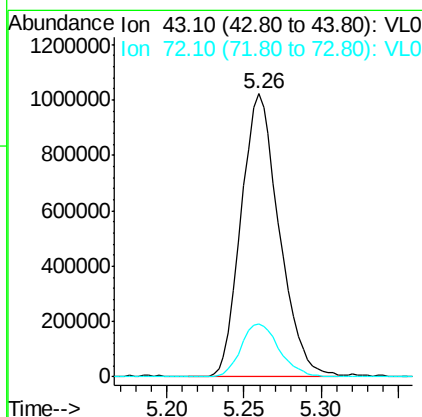
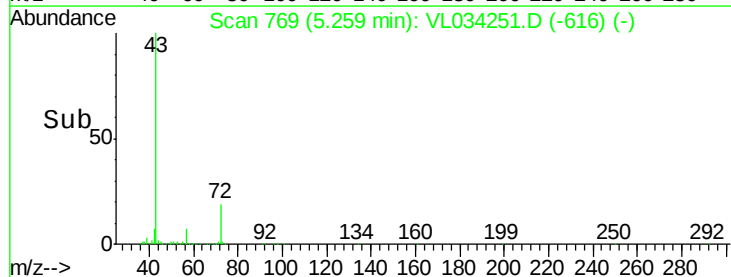
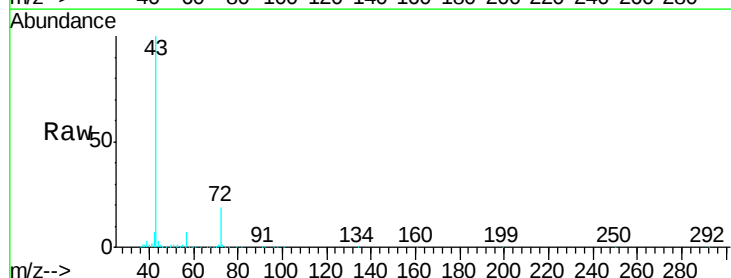
Manual Integrations
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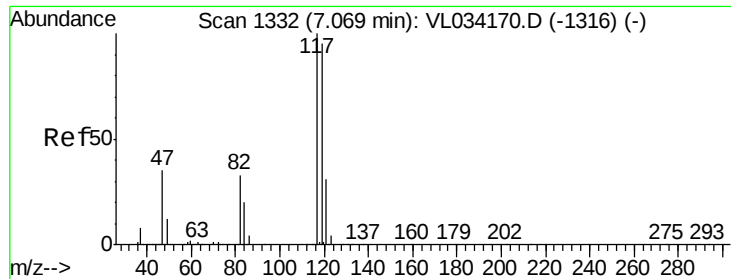
MMDadoda
 10/11/2019 5:06:58 PM



#34
 2-Butanone
 Concen: 9.543 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.0	15.0	22.6





#35

Carbon Tetrachloride

Concen: 10.435 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 1553576

Ion Ratio Lower Upper

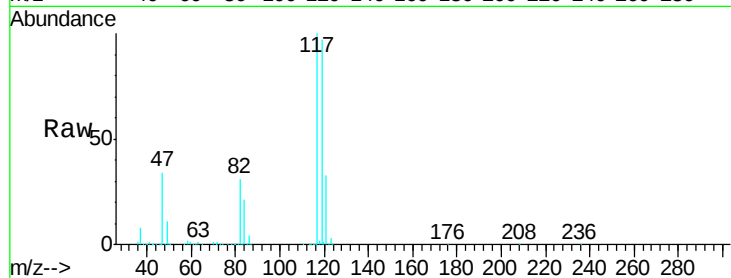
117 100

119 97.0 75.8 113.6

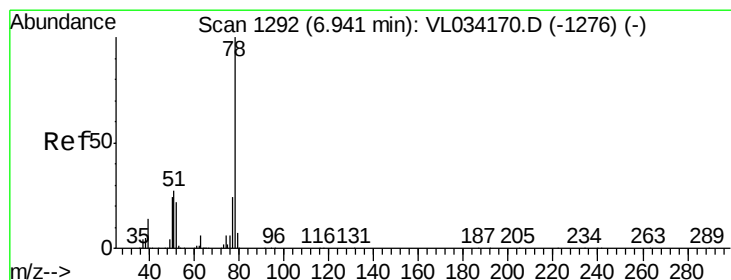
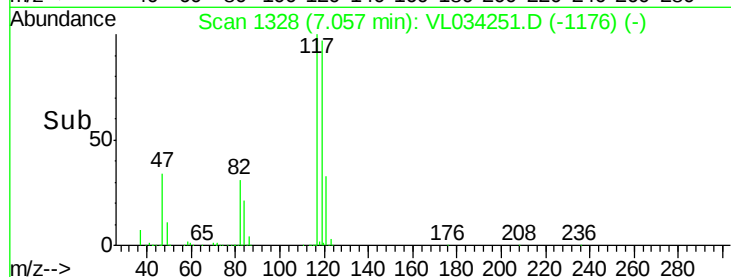
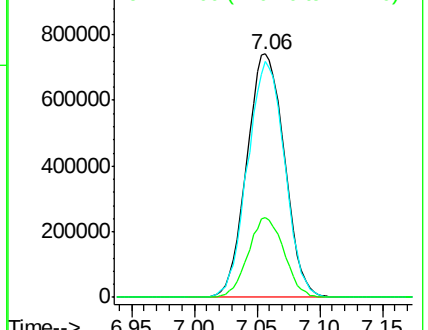
121 32.9 25.0 37.6

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.688 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

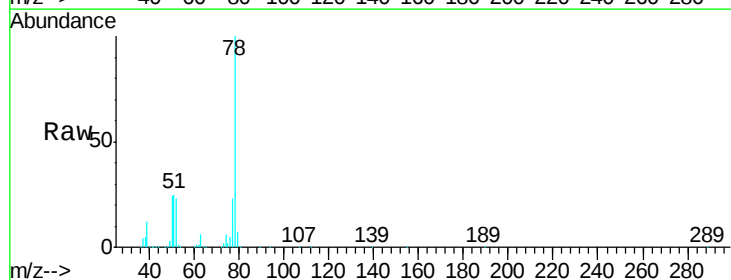
Tgt Ion: 78 Resp: 1917428

Ion Ratio Lower Upper

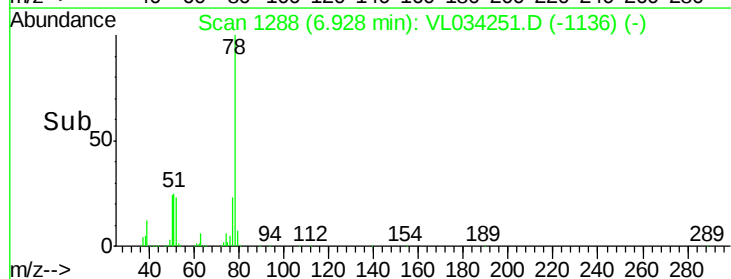
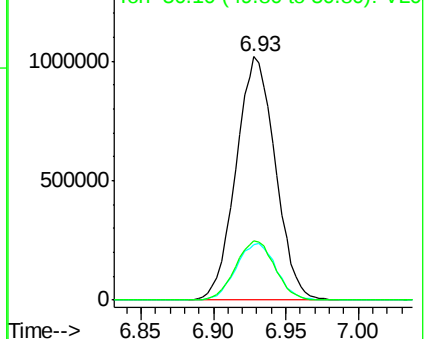
78 100

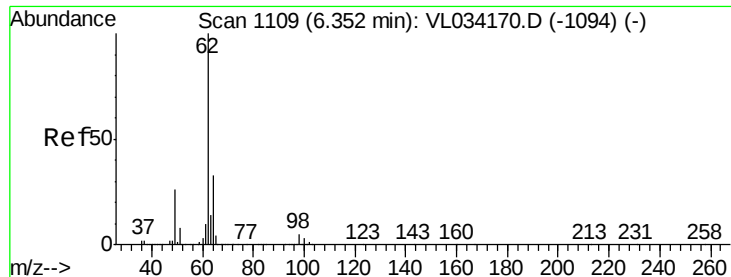
77 23.0 19.0 28.4

50 24.3 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





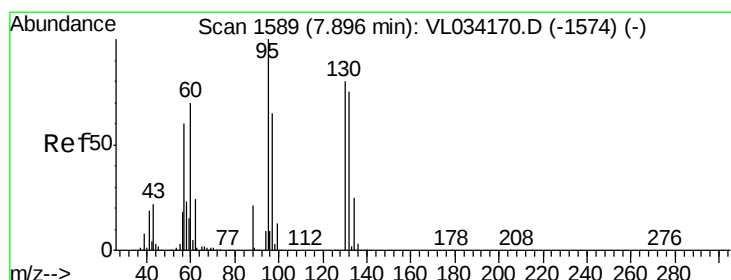
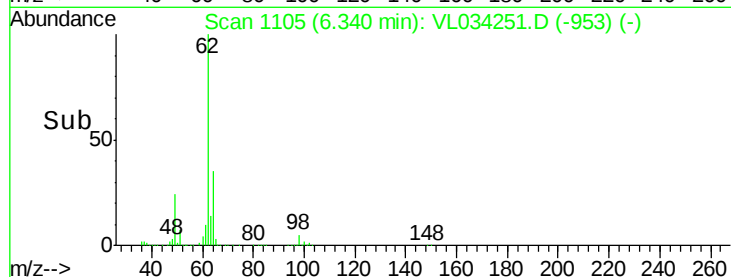
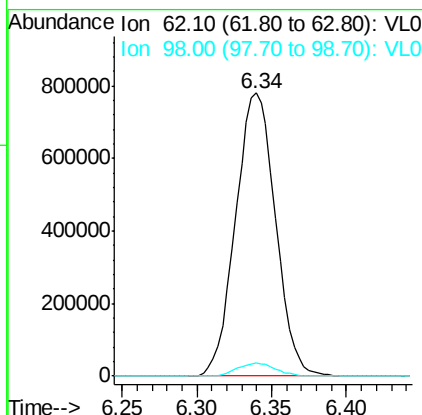
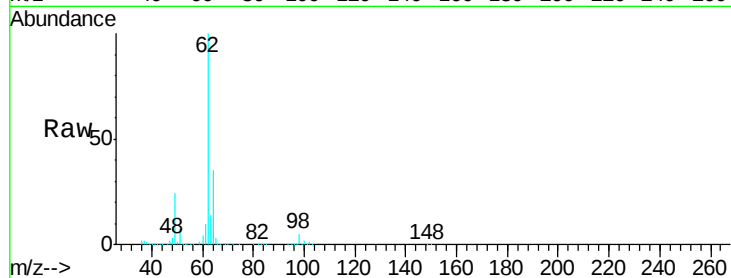
#37
 1,2-Dichloroethane
 Concen: 10.290 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1448540
 Ion Ratio Lower Upper
 62 100
 98 4.5 3.8 5.8

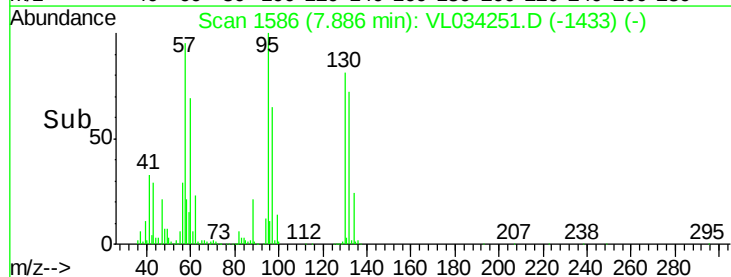
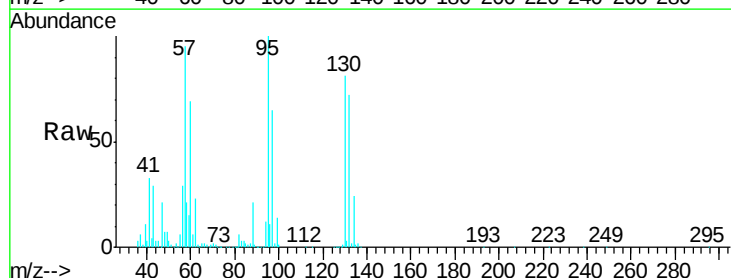
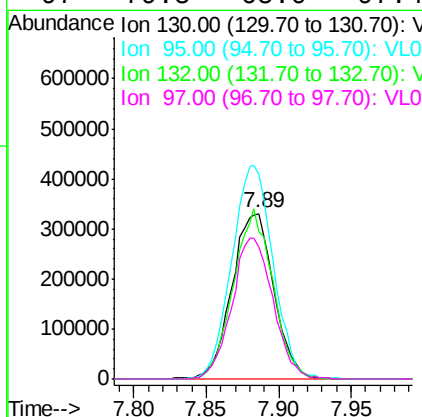
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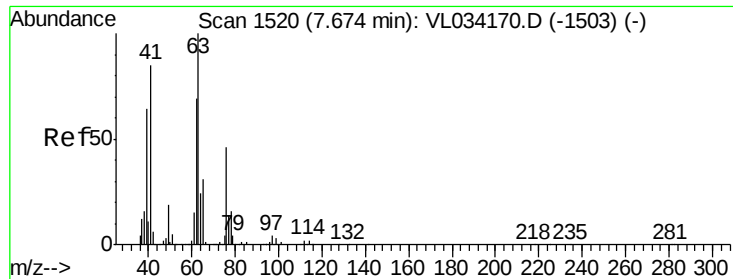
MMDadoda
 10/11/2019 5:06:58 PM



#38
 Trichloroethene
 Concen: 9.375 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 130 Resp: 662912
 Ion Ratio Lower Upper
 130 100
 95 123.1 99.8 149.6
 132 89.1 75.2 112.8
 97 79.5 65.0 97.4





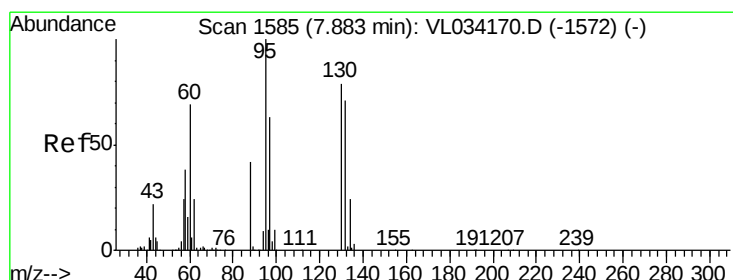
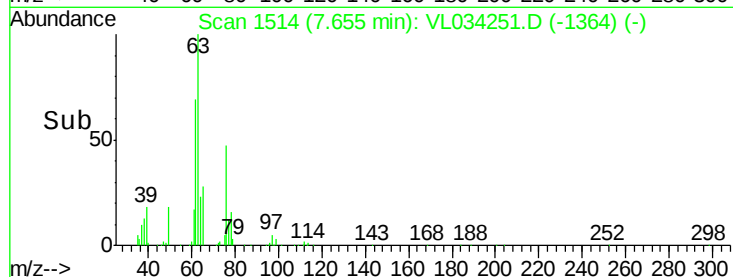
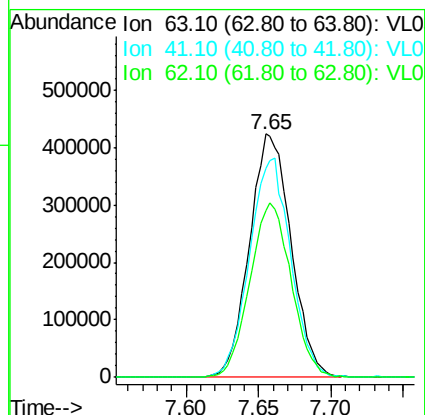
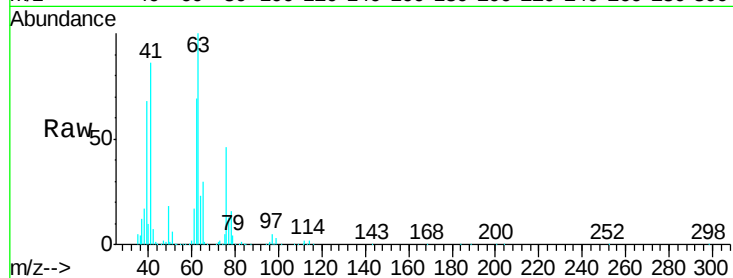
#39
 1,2-Dichloropropane
 Concen: 9.521 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	85.8	68.4	102.6
62	68.5	55.4	83.2

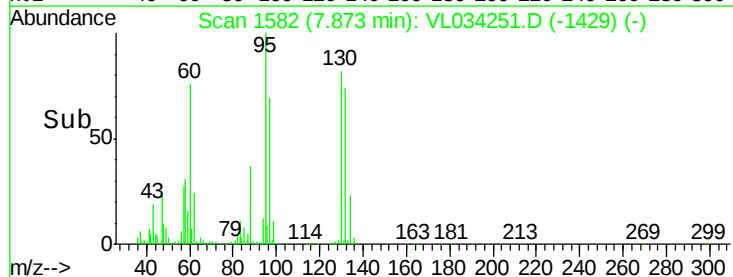
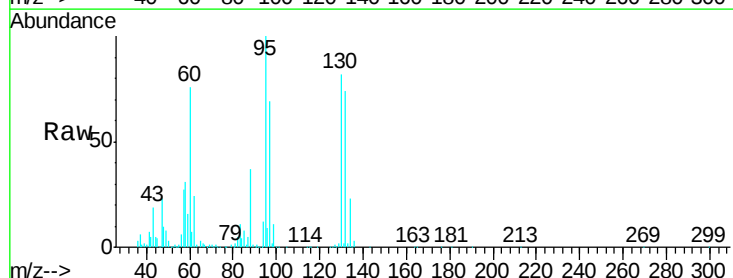
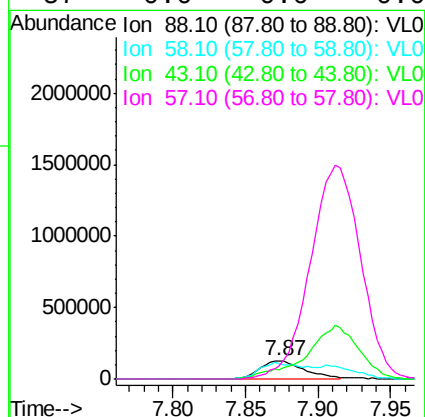
Manual Integrations
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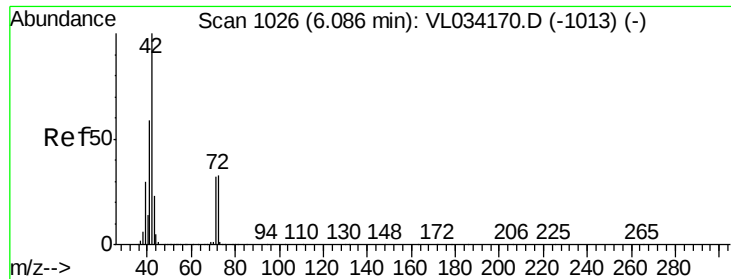
MMDadoda
 10/11/2019 5:06:58 PM



#40
 1,4-Dioxane
 Concen: 9.414 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	153.7	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





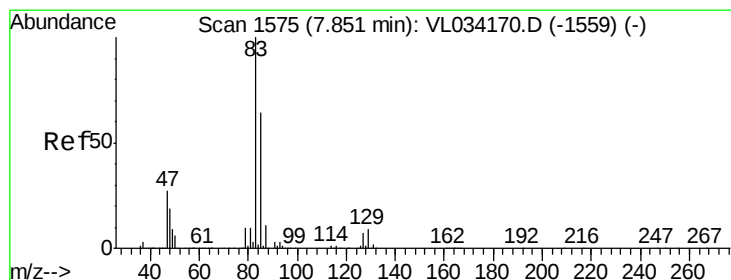
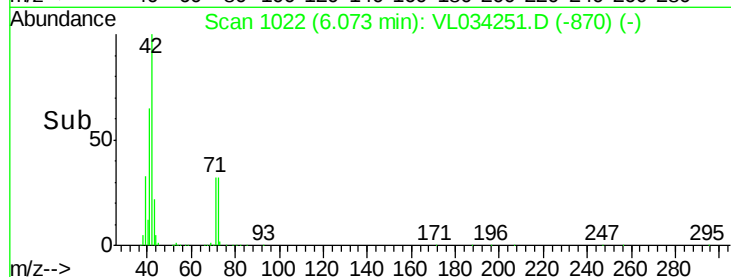
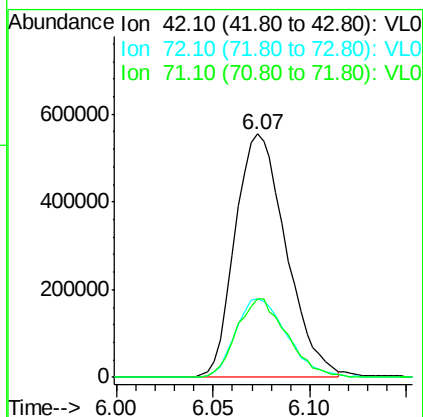
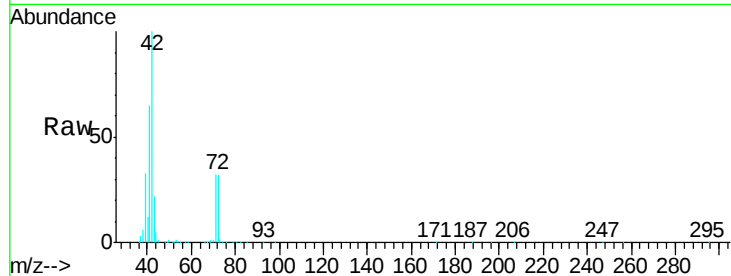
#41
Tetrahydrofuran
Concen: 9.843 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1014371
Ion Ratio Lower Upper
42 100
72 32.8 26.6 40.0
71 32.0 25.1 37.7

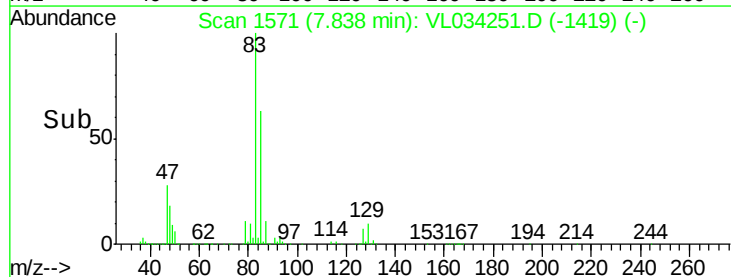
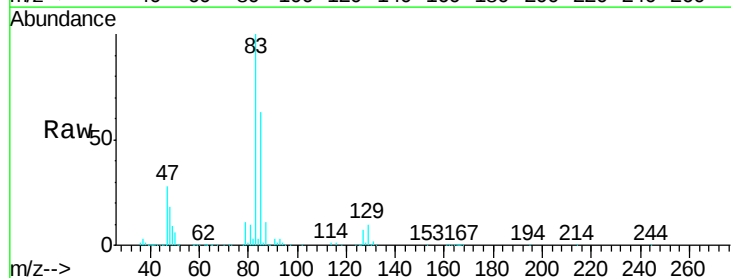
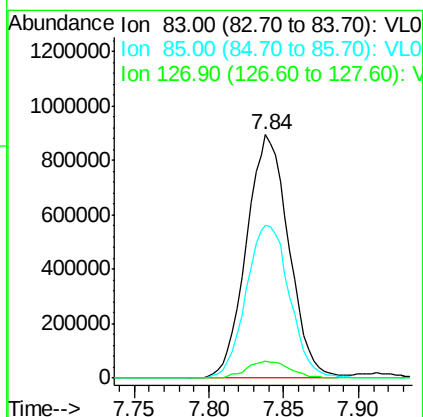
Manual Integrations
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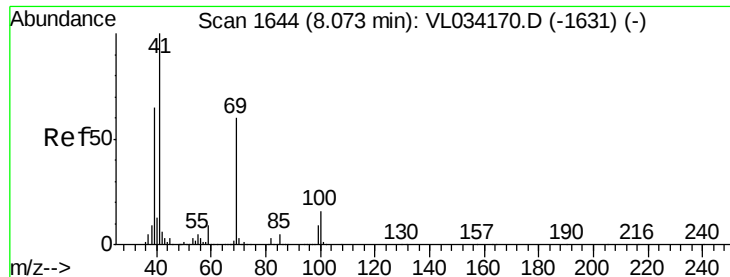
MMDadoda
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#42
Bromodichloromethane
Concen: 10.419 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 83 Resp: 1760149
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.0
127 7.1 5.5 8.3





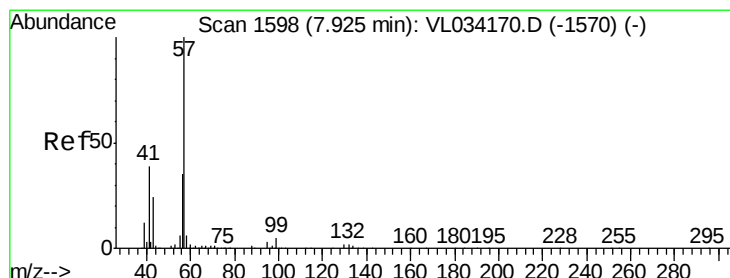
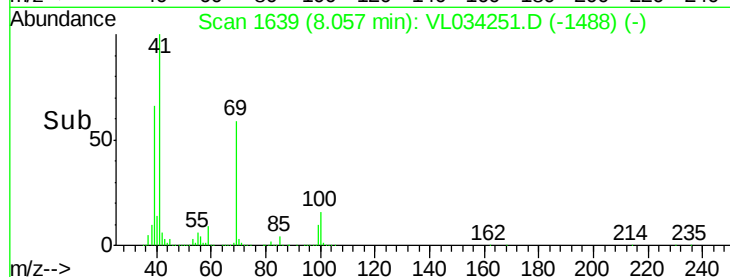
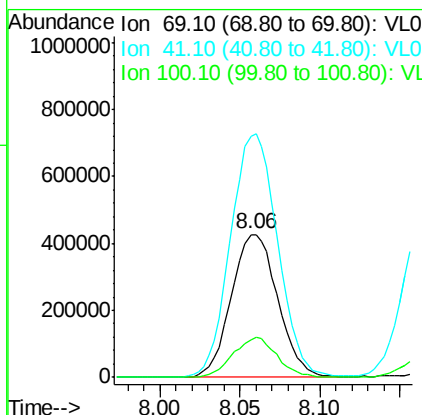
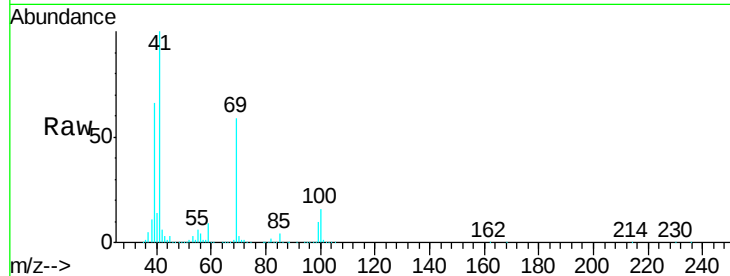
#43
Methyl Methacrylate
Concen: 10.278 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	173.6	140.4	210.6
100	26.7	21.9	32.9

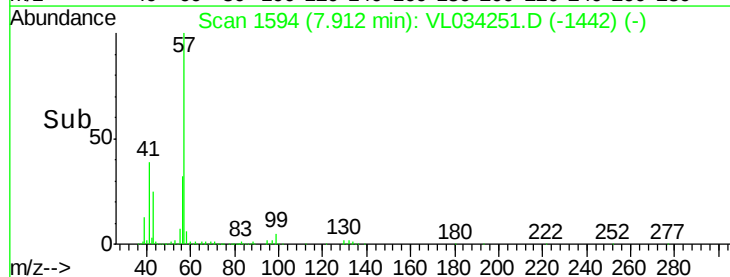
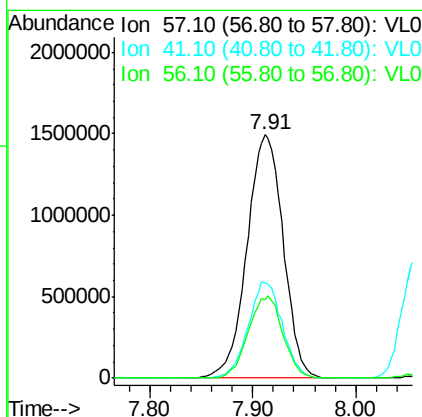
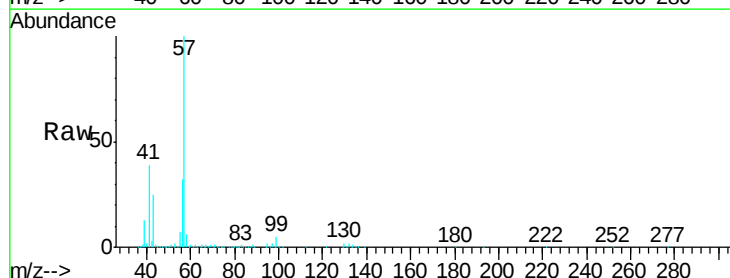
Manual Integrations
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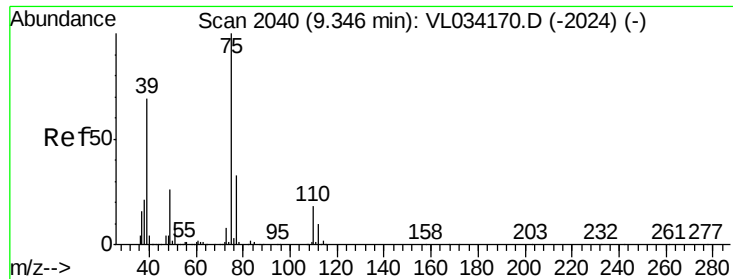
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.520 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.3	29.8	44.6
56	32.2	25.9	38.9





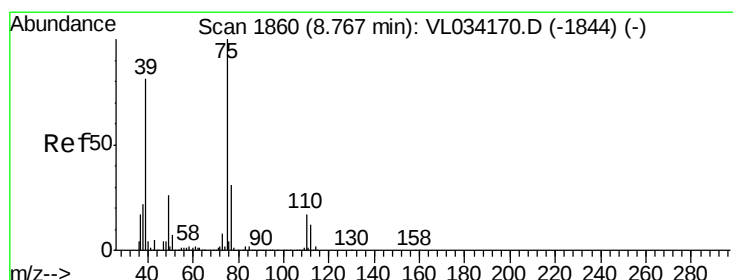
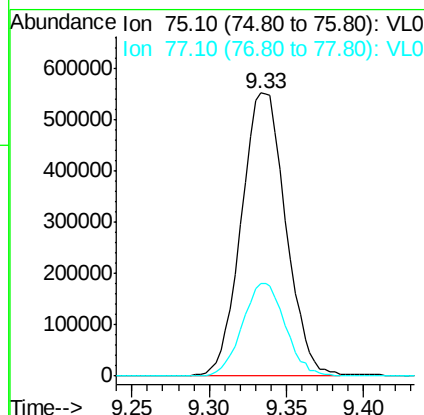
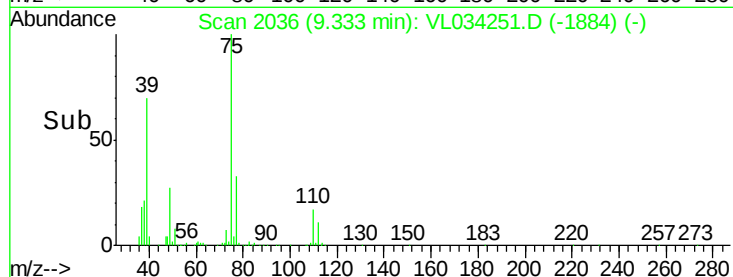
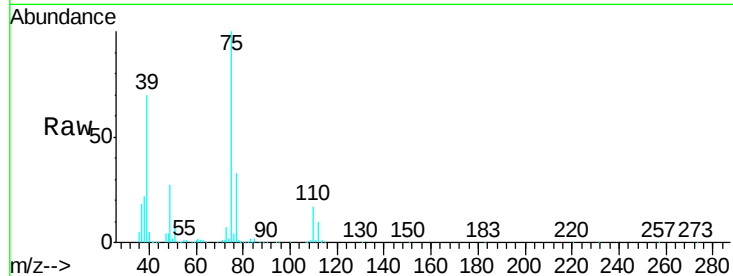
#45
t-1,3-Dichloropropene
Concen: 11.434 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1105271
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.2

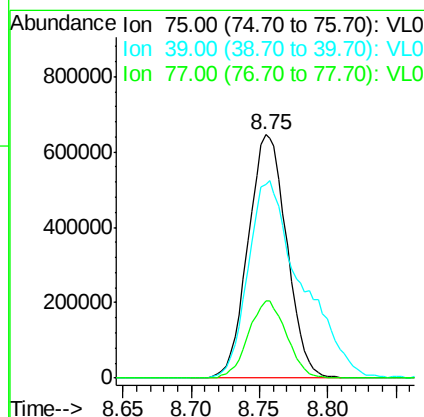
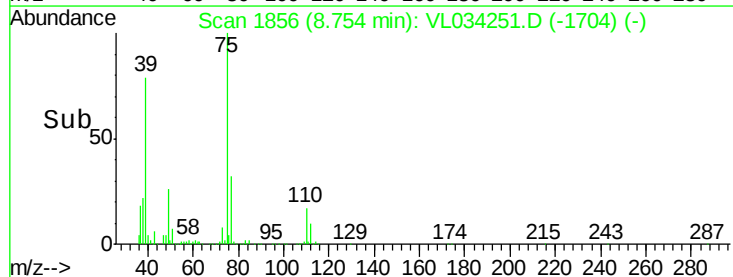
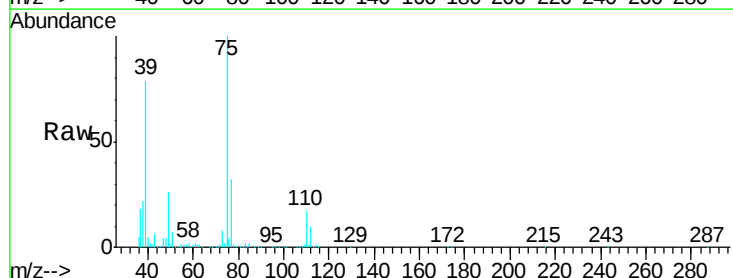
Manual Integrations
APPROVED

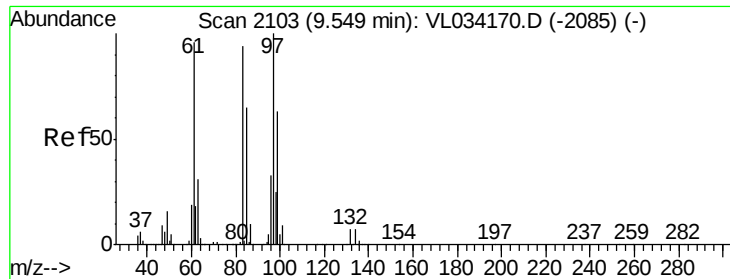
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#46
cis-1,3-Dichloropropene
Concen: 10.886 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 75 Resp: 1265842
Ion Ratio Lower Upper
75 100
39 79.3 65.0 97.4
77 31.7 24.5 36.7





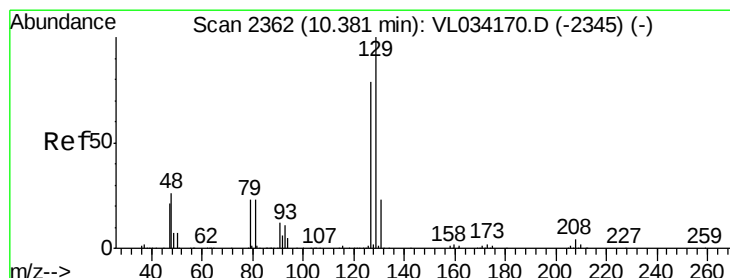
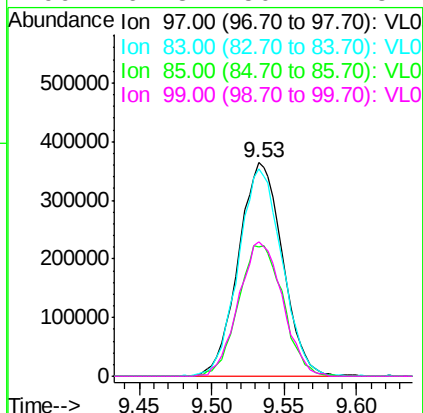
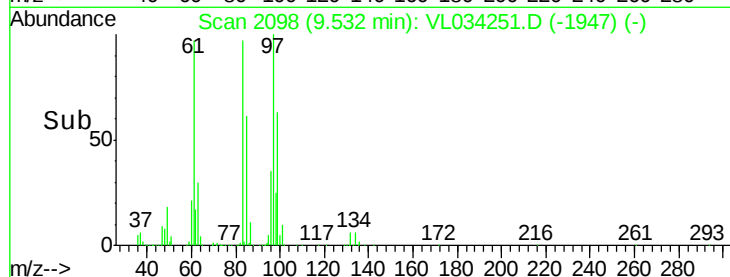
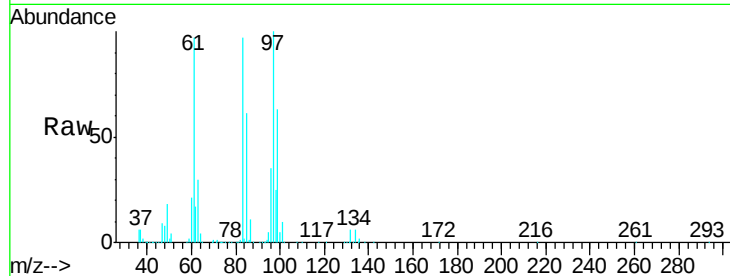
#47
 1,1,2-Trichloroethane
 Concen: 9.618 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	97.1	75.3	112.9
85	60.6	52.1	78.1
99	62.8	50.2	75.2

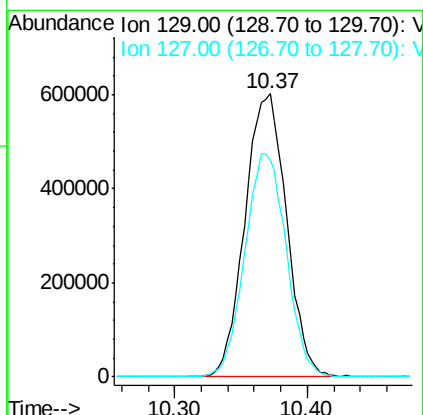
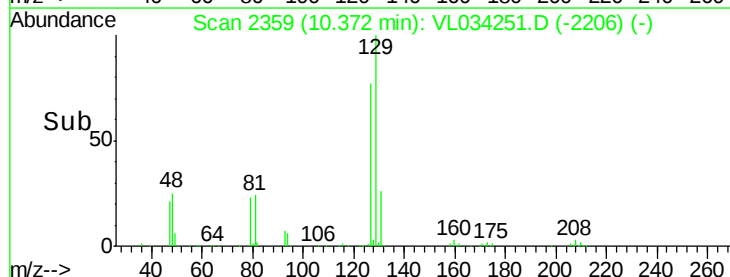
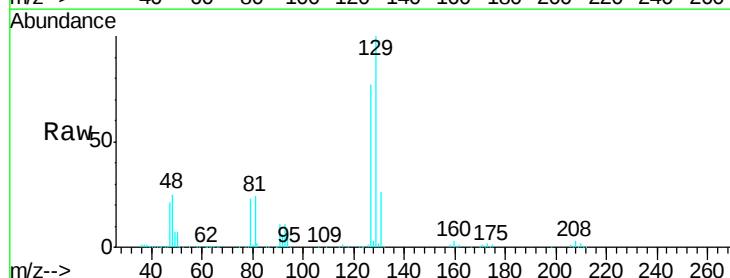
Manual Integrations
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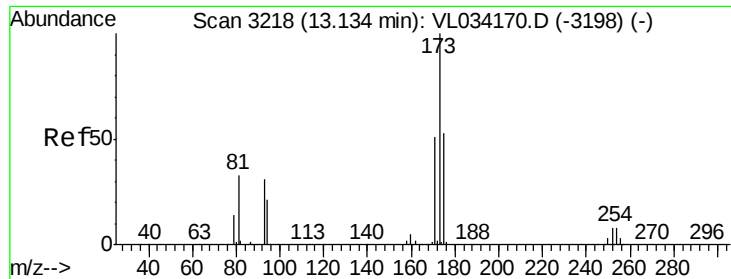
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#48
 Dibromochloromethane
 Concen: 10.382 ppbv
 RT: 10.37 min Scan# 2359
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6





#49

Bromoform

Concen: 10.478 ppbv

RT: 13.12 min Scan# 3213

Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 173 Resp: 1073128

Ion Ratio Lower Upper

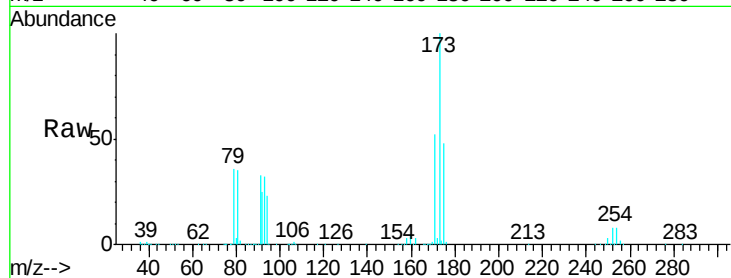
173 100

175 49.2 40.3 60.5

171 52.9 42.0 63.0

Manual Integrations
APPROVED

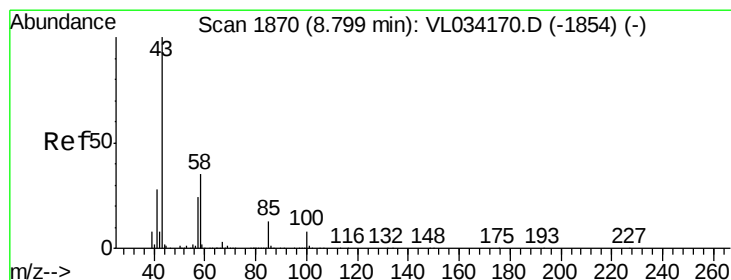
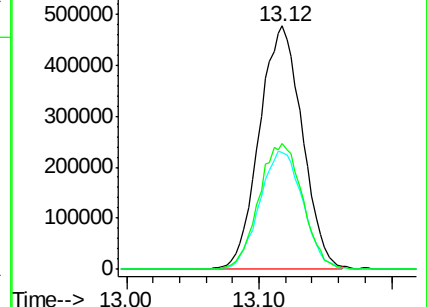
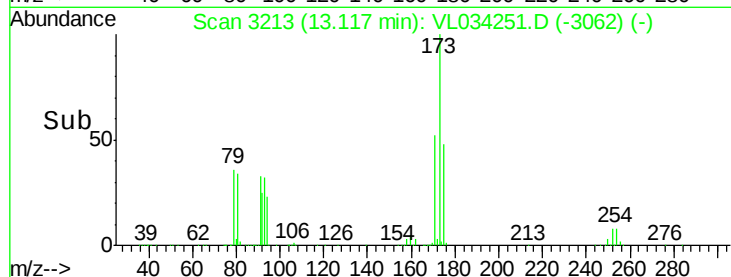
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.623 ppbv

RT: 8.79 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VL034251.D

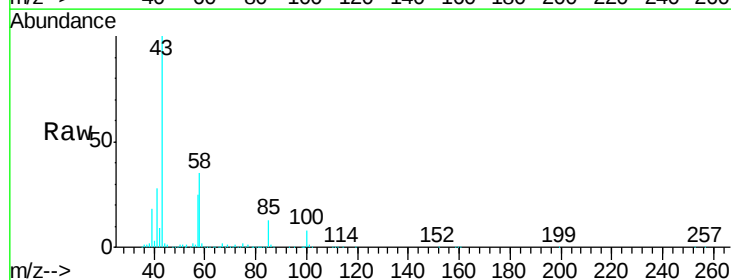
Acq: 8 Oct 2019 14:51

Tgt Ion: 43 Resp: 2562429

Ion Ratio Lower Upper

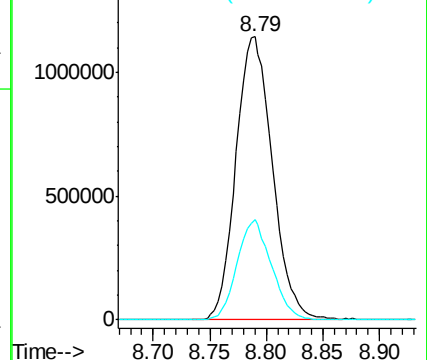
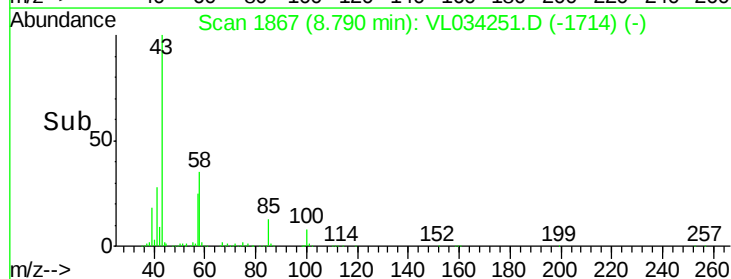
43 100

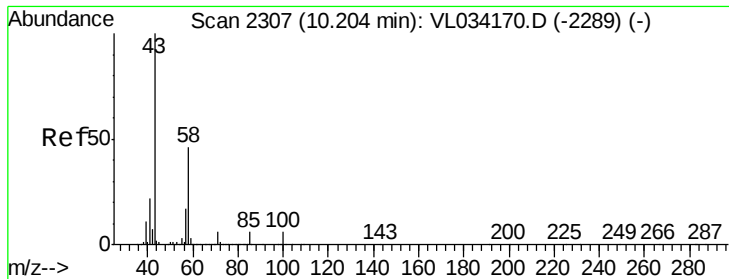
58 33.5 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.733 ppbv

RT: 10.19 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

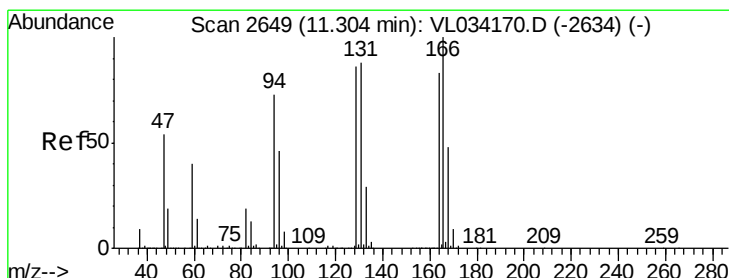
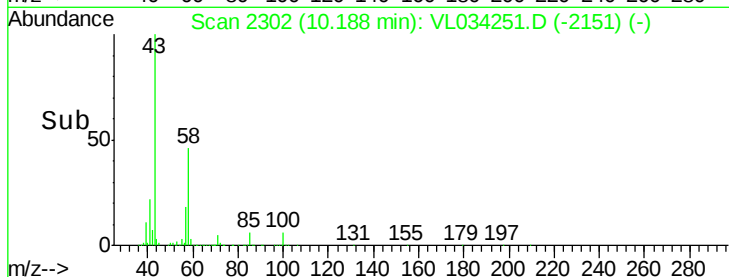
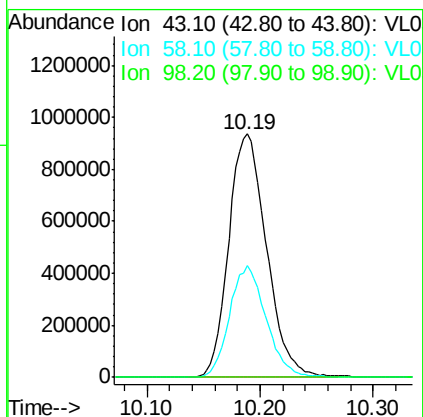
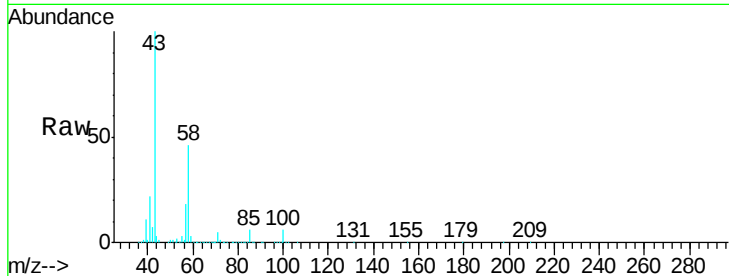
ClientSampleId :

VSTDCCC010

Tgt Ion:	43	Resp:	2175069
Ion	Ratio	Lower	Upper
43	100		
58	44.3	36.2	54.4
98	0.2	0.2	0.2

Manual Integrations
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#52

Tetrachloroethene

Concen: 9.079 ppbv

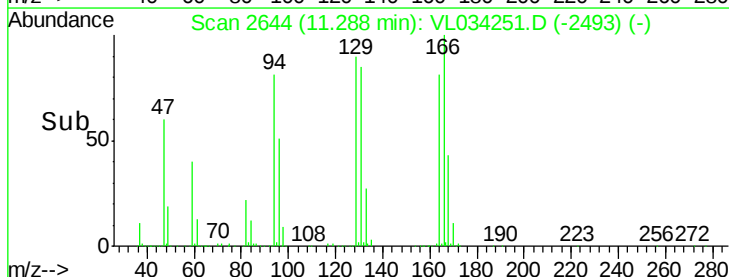
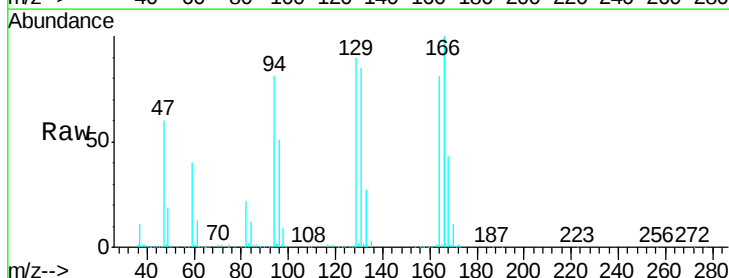
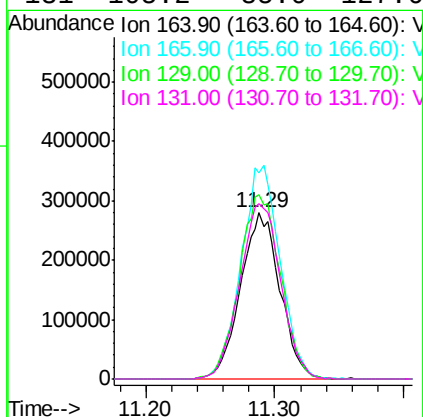
RT: 11.29 min Scan# 2644

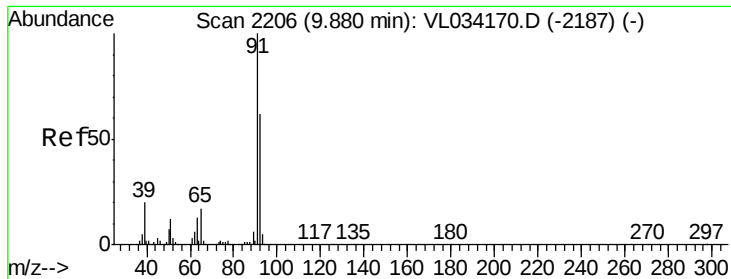
Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Tgt Ion:	164	Resp:	593649
Ion	Ratio	Lower	Upper
164	100		
166	123.7	96.7	145.1
129	111.0	82.8	124.2
131	105.2	85.0	127.6





#53

Toluene

Concen: 9.903 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2141975

Ion Ratio Lower Upper

91 100

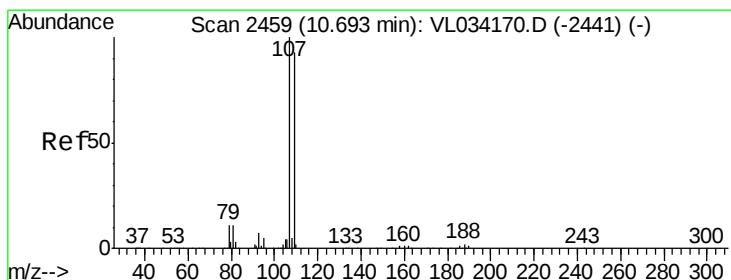
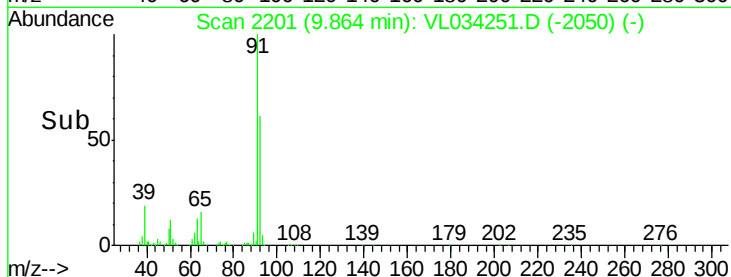
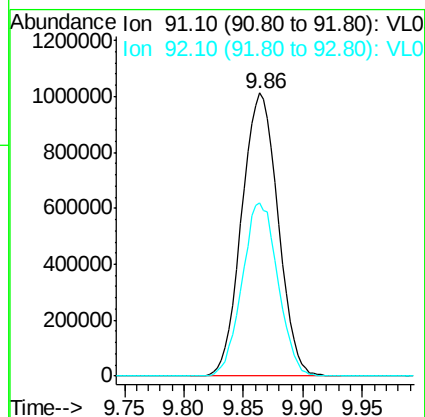
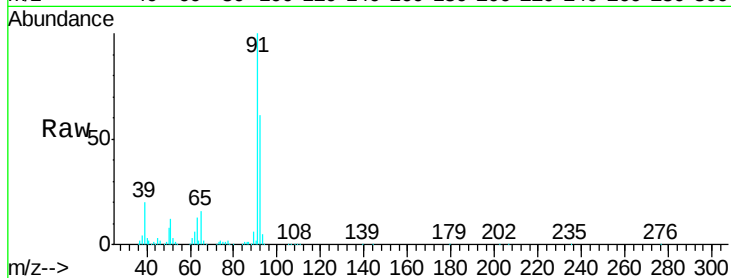
92 60.4 49.0 73.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.970 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034251.D

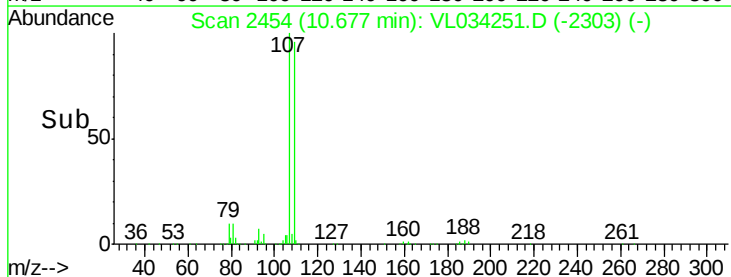
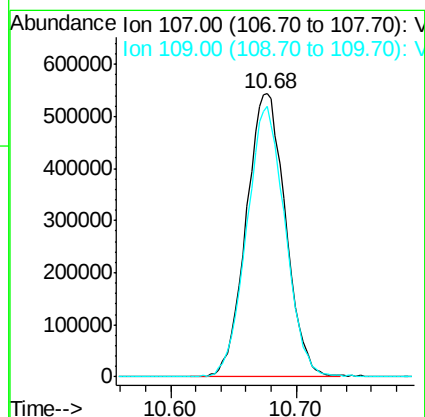
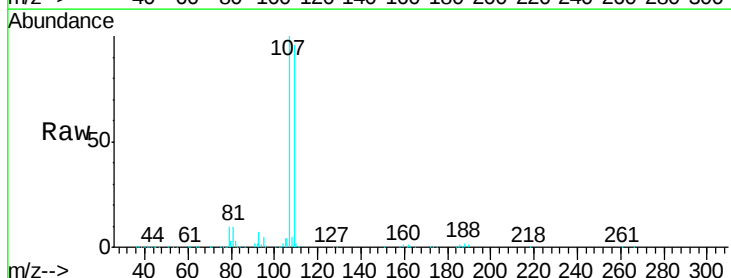
Acq: 8 Oct 2019 14:51

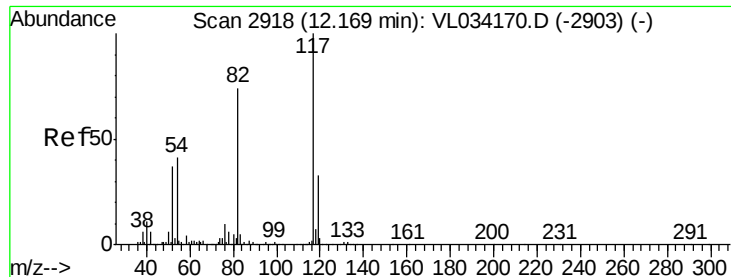
Tgt Ion: 107 Resp: 1183887

Ion Ratio Lower Upper

107 100

109 95.6 74.5 111.7





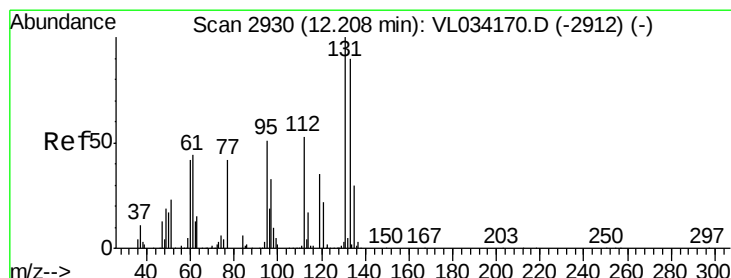
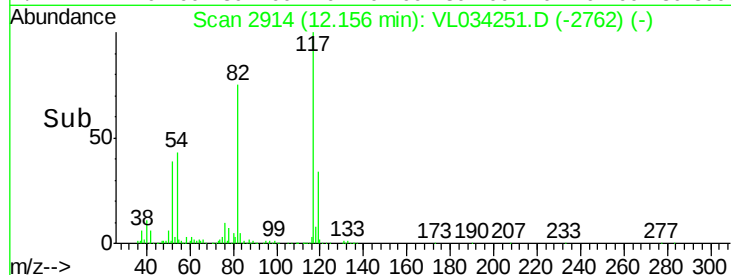
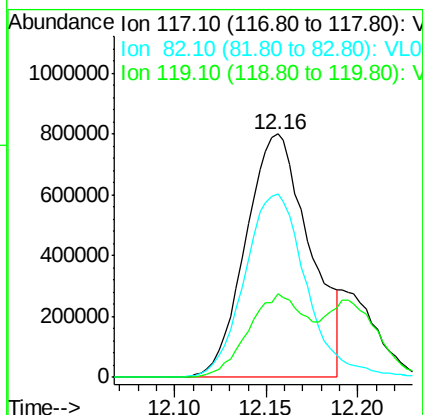
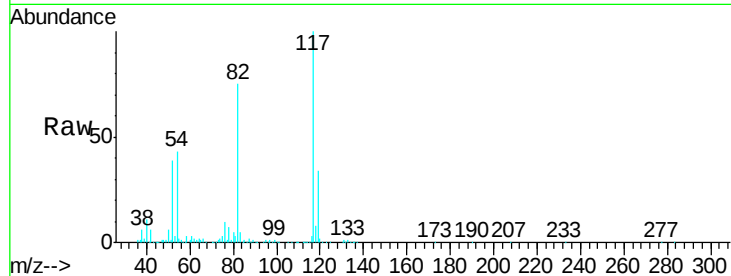
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1936496
Ion Ratio Lower Upper
117 100
82 73.3 58.2 87.4
119 32.1 23.7 35.5

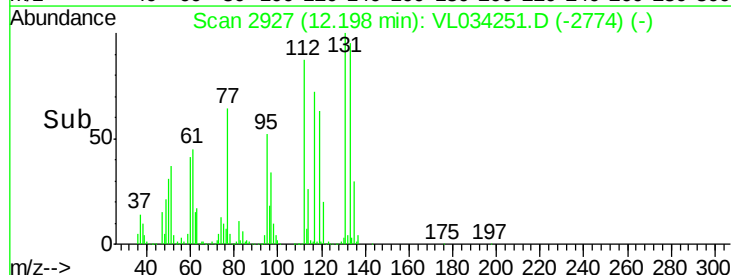
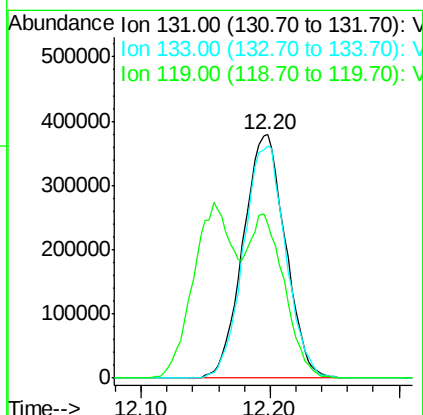
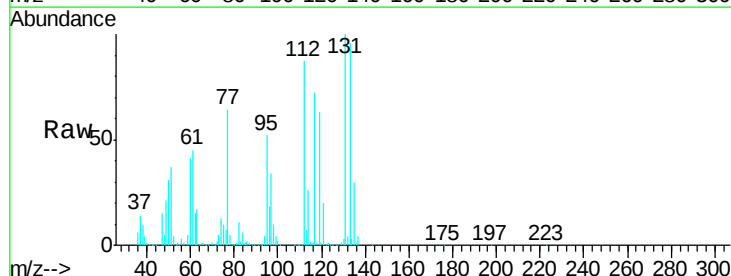
Manual Integrations
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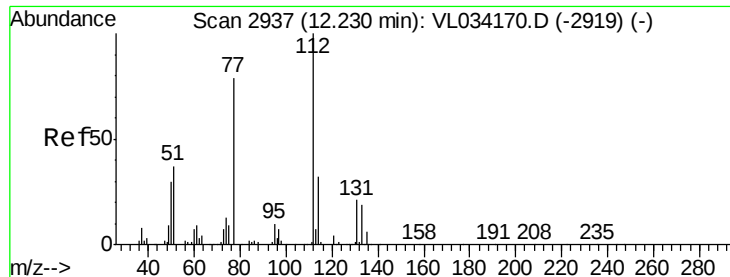
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.017 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:131 Resp: 865096
Ion Ratio Lower Upper
131 100
133 95.6 75.1 112.7
119 56.2 47.4 71.0





#57

Chlorobenzene

Concen: 9.182 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

ClientSampleId :

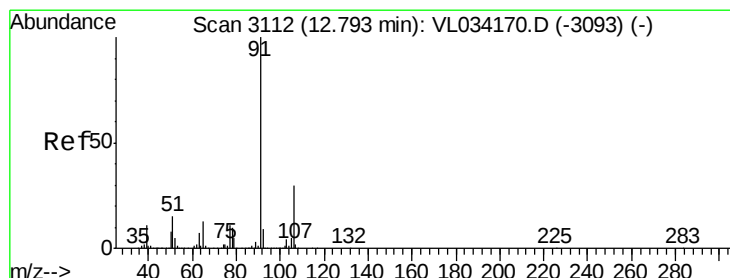
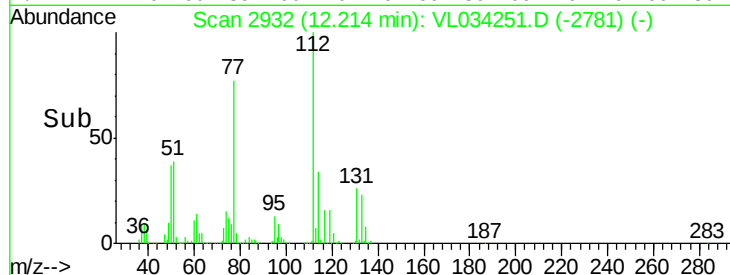
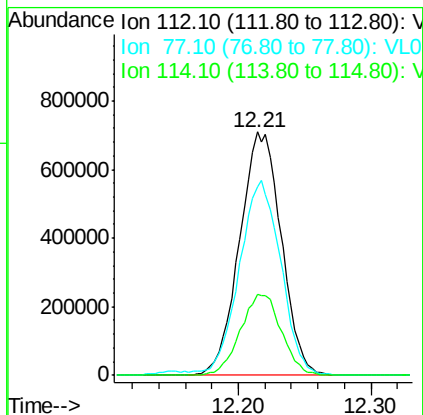
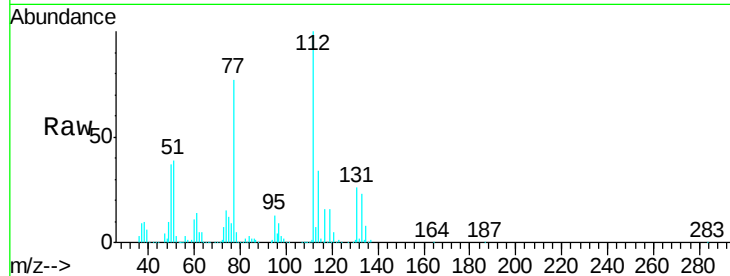
VSTDCCC010

Tgt Ion: 112 Resp: 1548141

Ion	Ratio	Lower	Upper
112	100		
77	77.0	64.3	96.5
114	33.6	28.9	35.3

Manual Integrations
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#58

Ethyl Benzene

Concen: 9.371 ppbv

RT: 12.78 min Scan# 3108

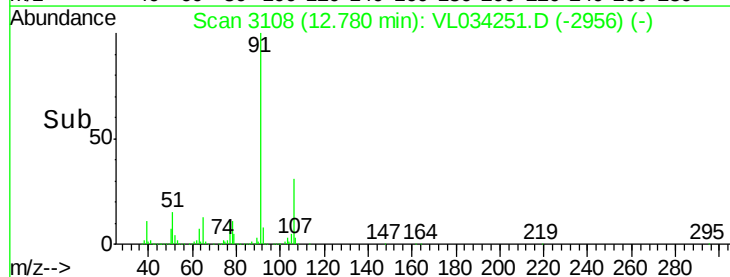
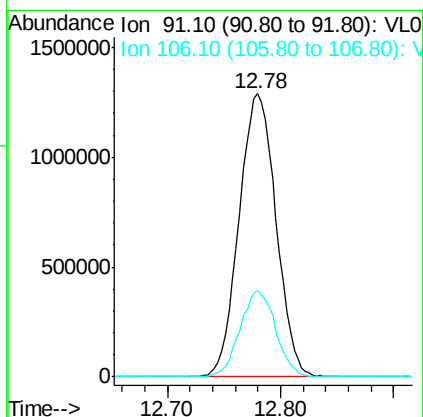
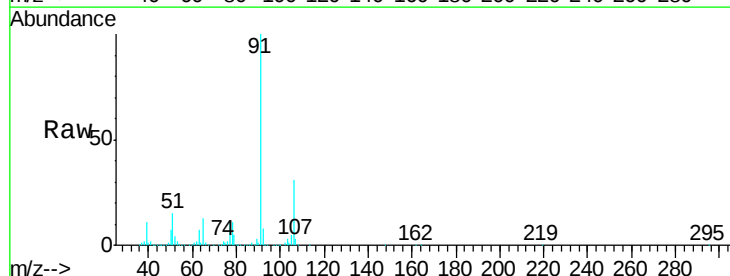
Delta R.T. -0.01 min

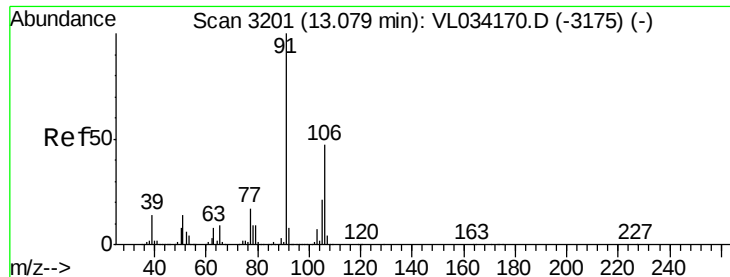
Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 2928150

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4





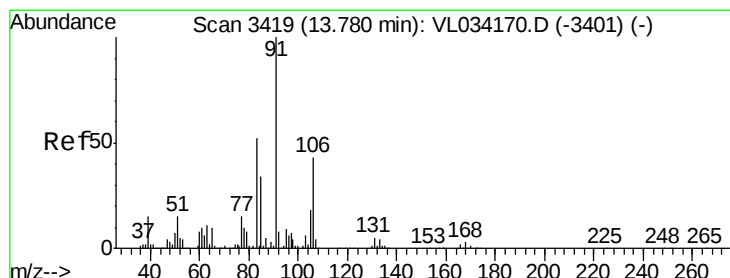
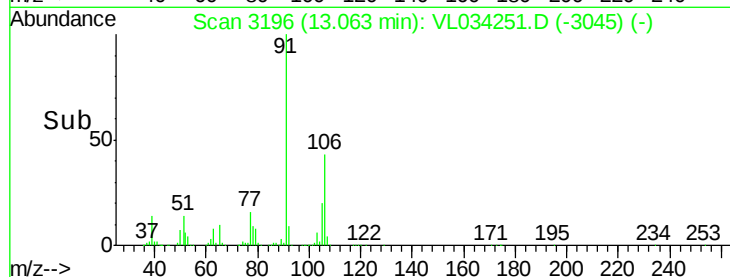
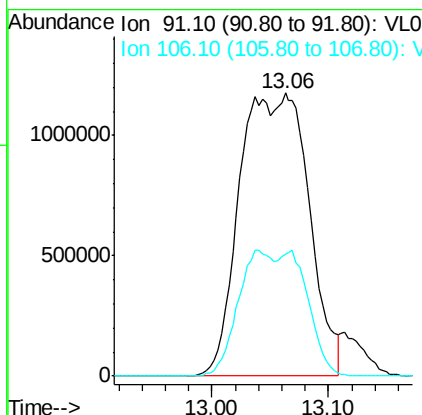
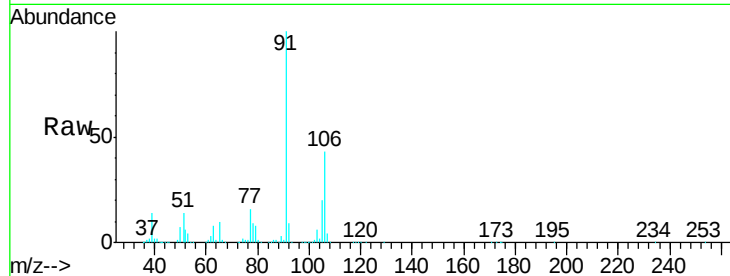
#59
m/p-Xylene
Concen: 18.686 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 4836012
Ion Ratio Lower Upper
91 100
106 42.6 35.5 53.3

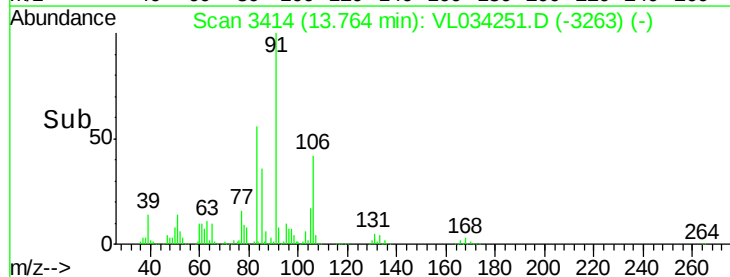
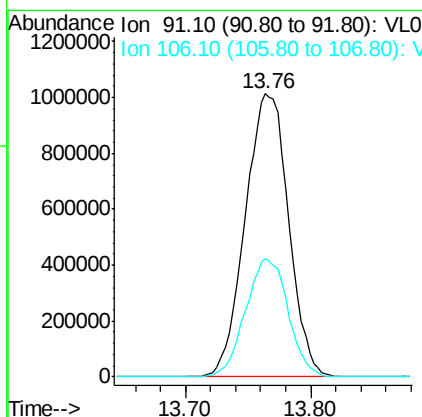
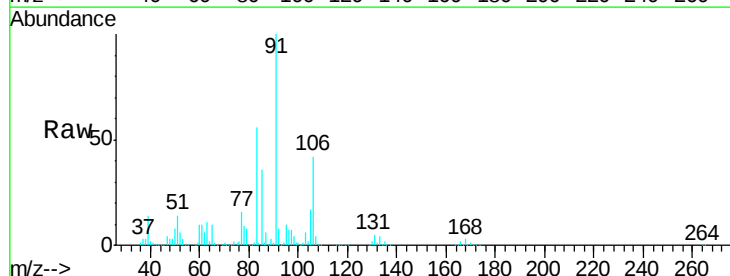
Manual Integrations
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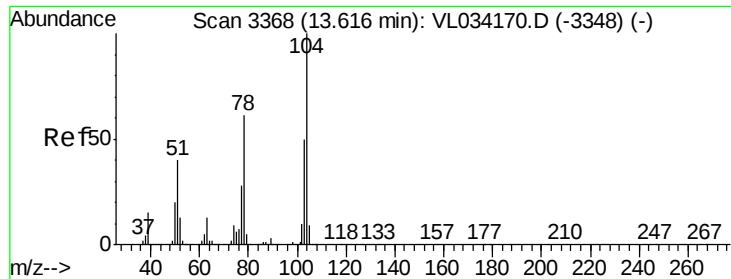
MMDadoda
10/11/2019 5:06:58 PM



#60
o-Xylene
Concen: 9.388 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 2429533
Ion Ratio Lower Upper
91 100
106 41.1 21.2 63.6





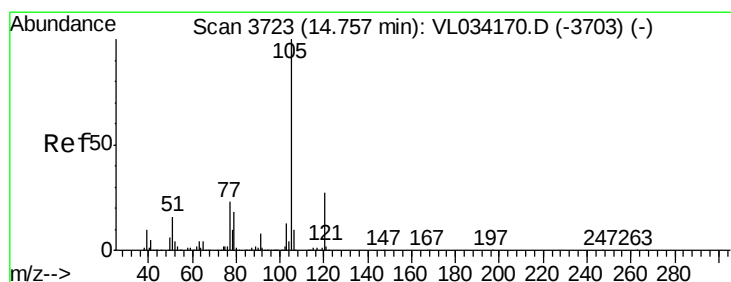
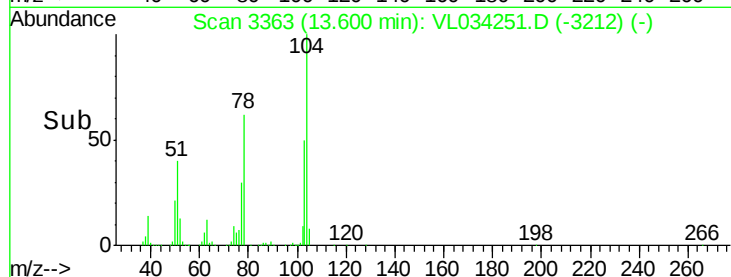
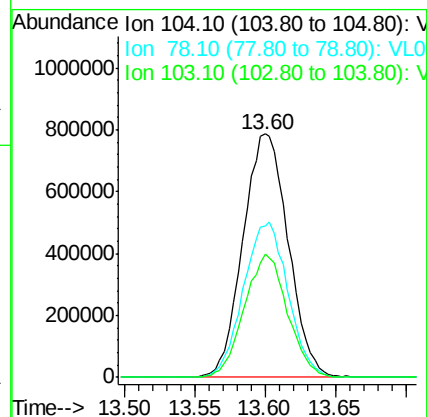
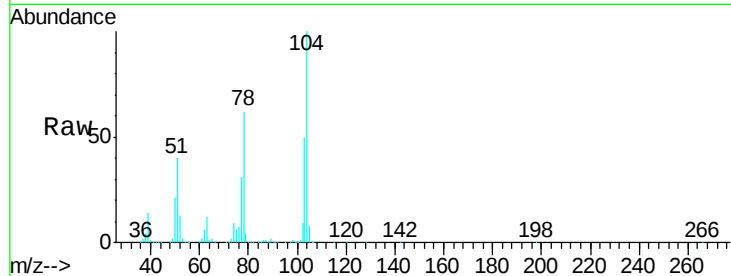
#61
Styrene
Concen: 9.507 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1762366
Ion Ratio Lower Upper
104 100
78 63.0 49.7 74.5
103 48.5 38.4 57.6

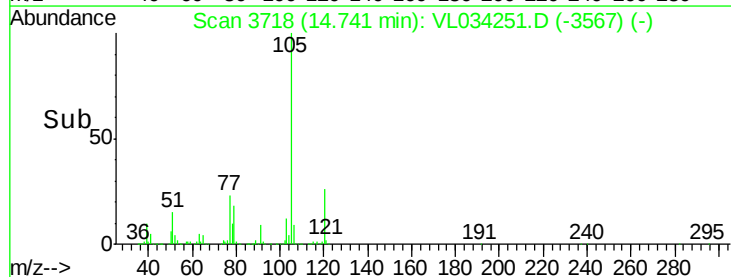
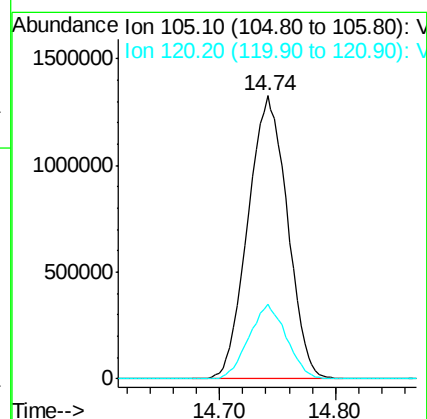
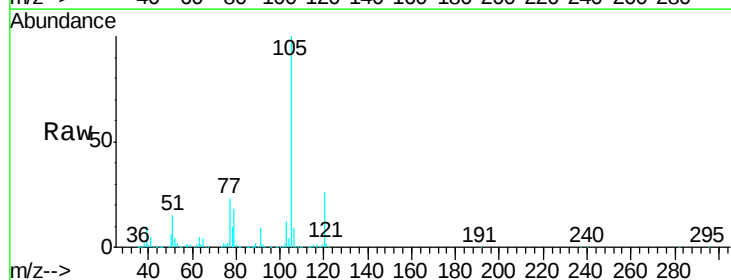
Manual Integrations
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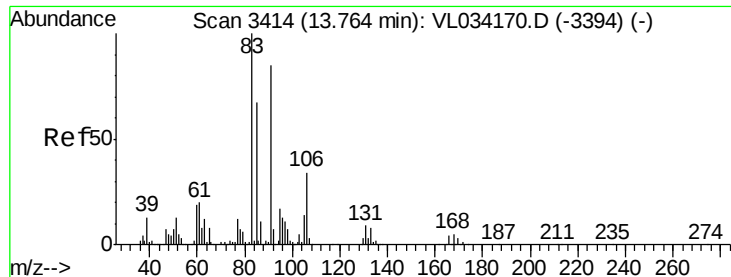
MMDadoda
10/11/2019 5:06:58 PM



#62
Isopropylbenzene
Concen: 9.360 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion:105 Resp: 3135490
Ion Ratio Lower Upper
105 100
120 25.1 20.7 31.1





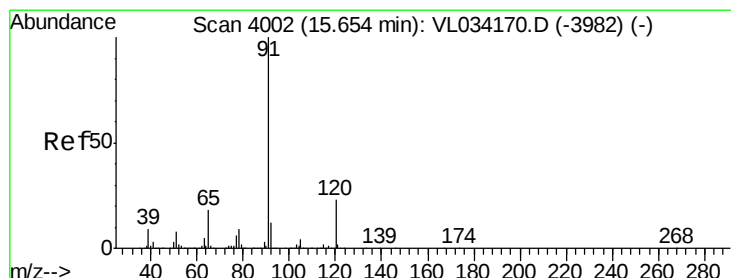
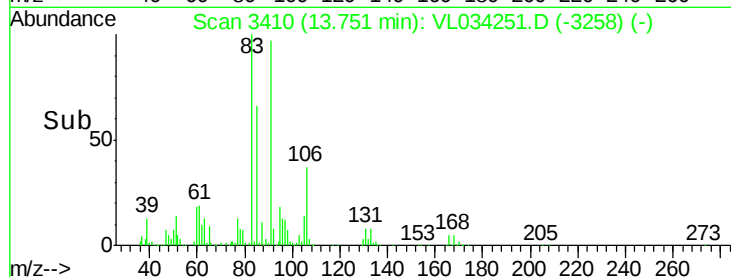
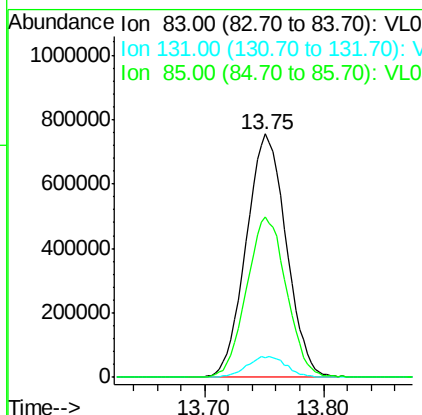
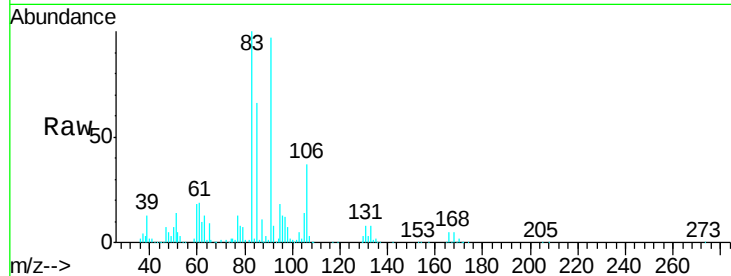
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.281 ppbv
 RT: 13.75 min Scan# 3410
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 1757198
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.8
 85 65.6 32.8 98.4

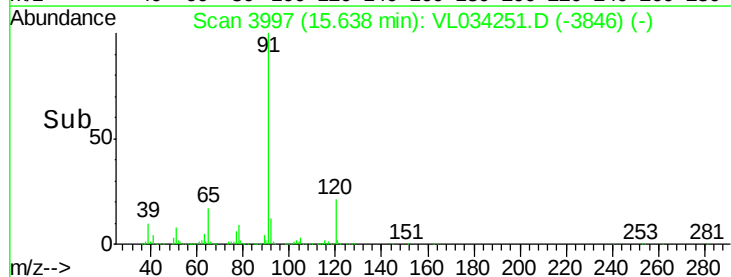
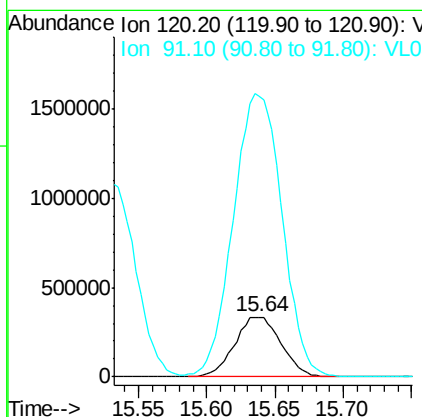
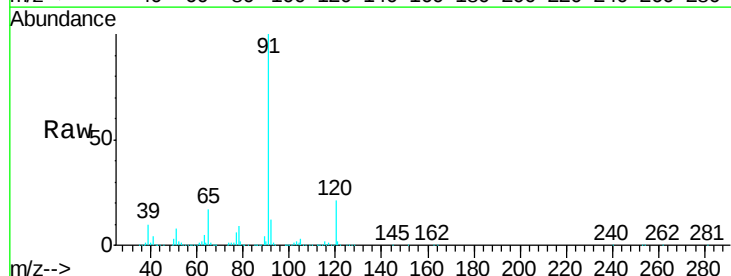
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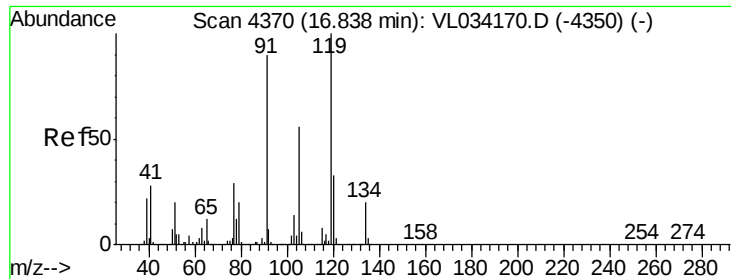
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 10/11/2019 5:06:58 PM



#64
 n-propylbenzene
 Concen: 9.366 ppbv
 RT: 15.64 min Scan# 3997
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 120 Resp: 793794
 Ion Ratio Lower Upper
 120 100
 91 496.8 378.2 567.2





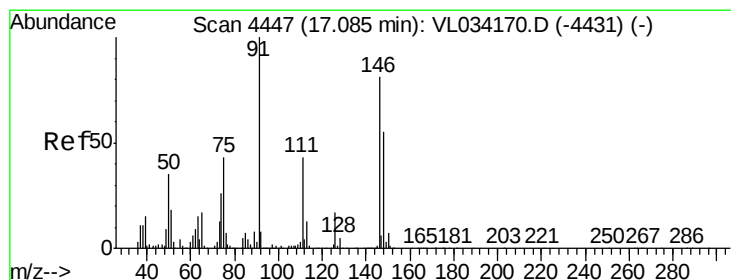
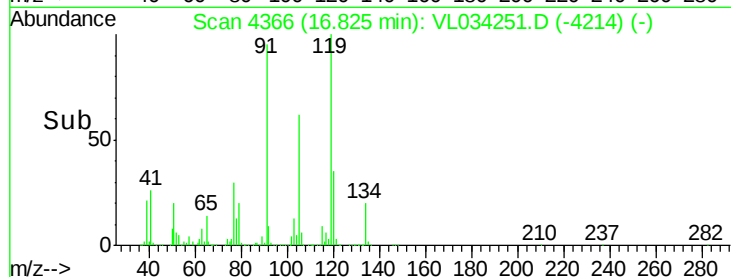
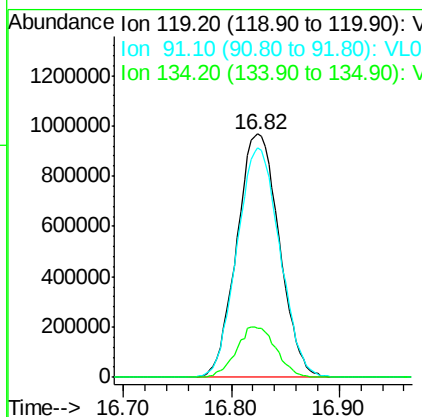
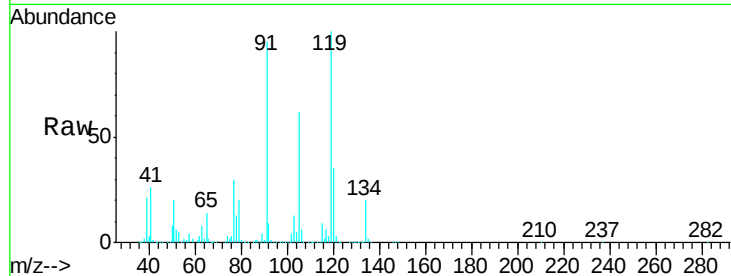
#65
 tert-Butylbenzene
 Concen: 9.049 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 2648865
 Ion Ratio Lower Upper
 119 100
 91 95.2 74.9 112.3
 134 19.3 15.8 23.6

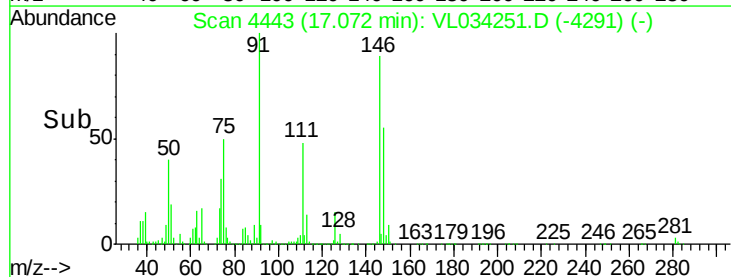
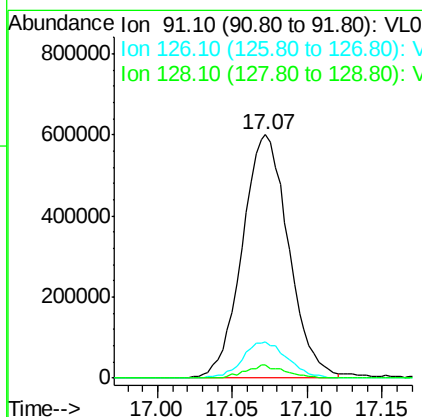
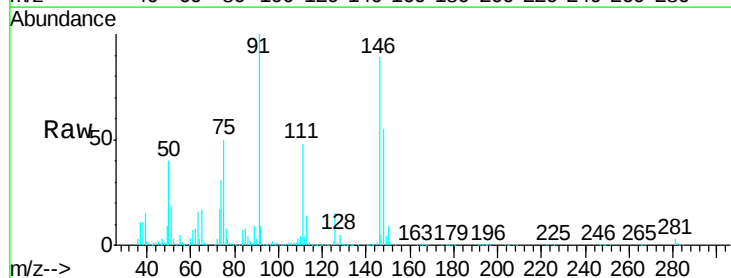
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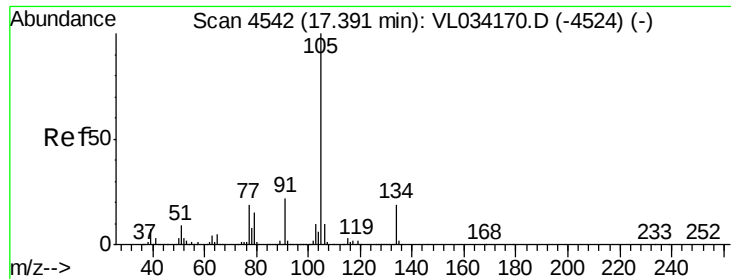
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 10/11/2019 5:06:58 PM



#66
 Benzyl Chloride
 Concen: 12.405 ppbv
 RT: 17.07 min Scan# 4443
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 91 Resp: 1284627
 Ion Ratio Lower Upper
 91 100
 126 14.7 12.6 19.0
 128 4.7 4.0 6.0





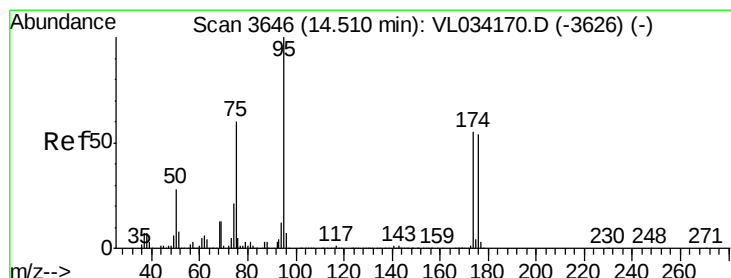
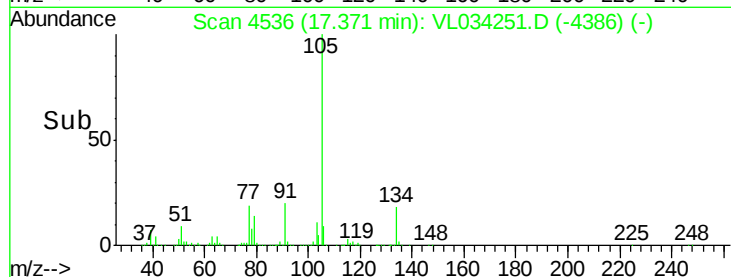
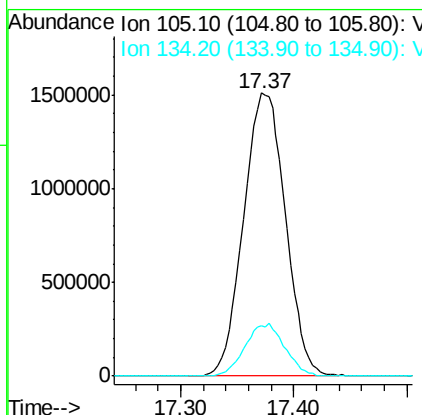
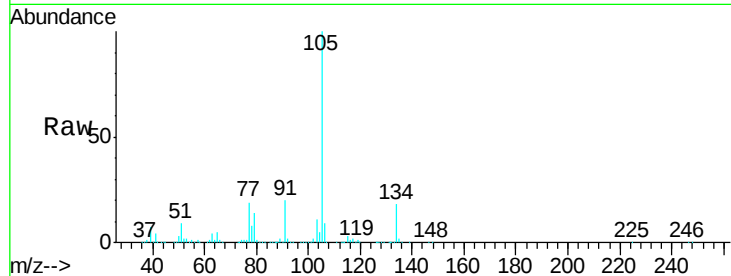
#67
 sec-Butylbenzene
 Concen: 9.274 ppbv
 RT: 17.37 min Scan# 4536
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 105 Resp: 3881580
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 22.0

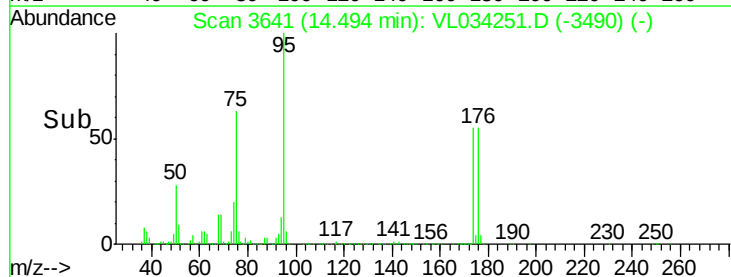
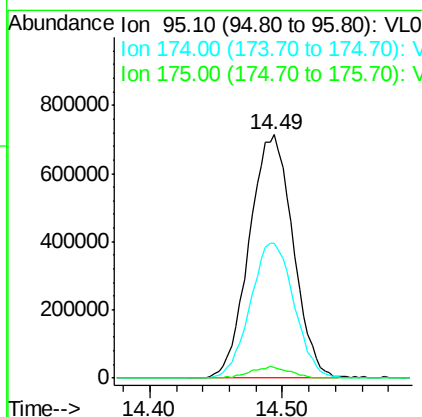
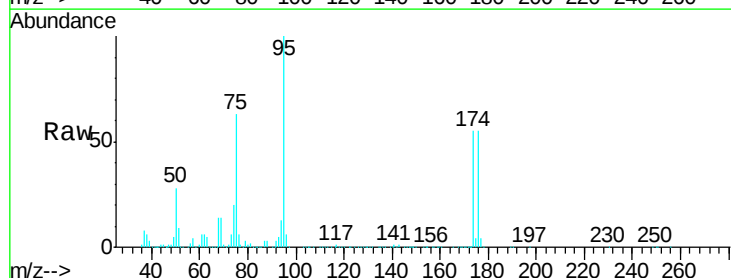
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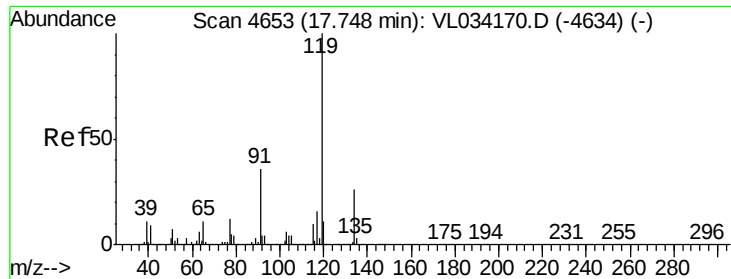
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.756 ppbv
 RT: 14.49 min Scan# 3641
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion: 95 Resp: 1641587
 Ion Ratio Lower Upper
 95 100
 174 55.7 45.1 67.7
 175 4.2 3.3 4.9





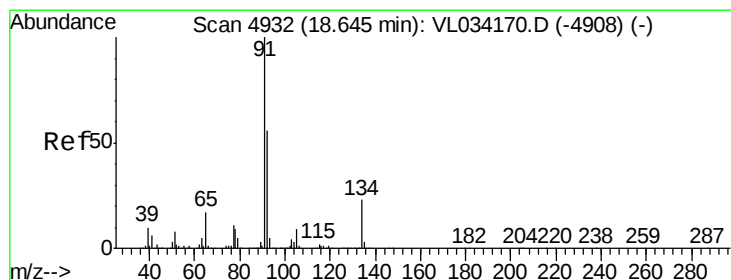
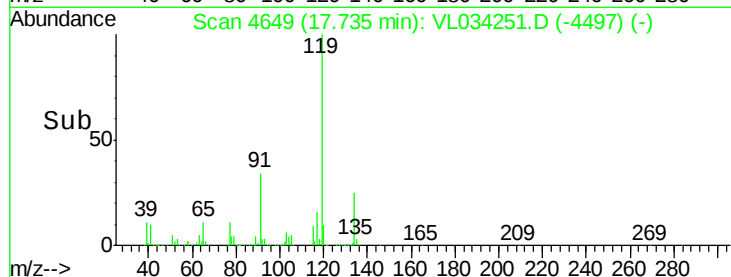
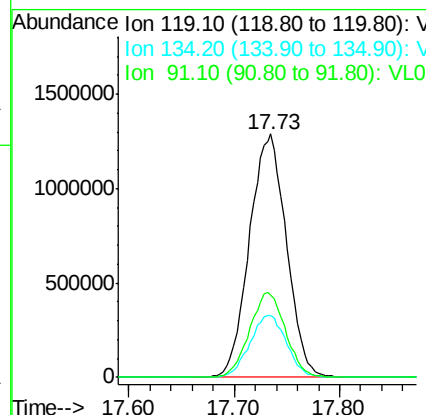
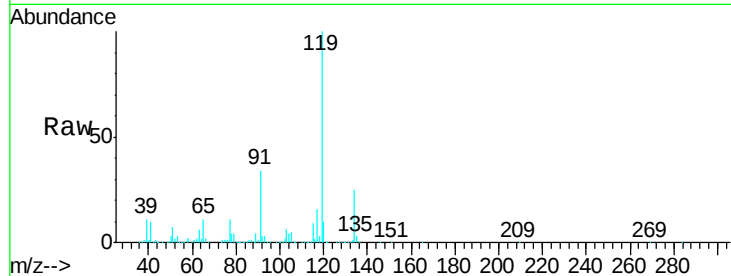
#69
 p-Isopropyltoluene
 Concen: 9.251 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	33.9	27.6	41.4

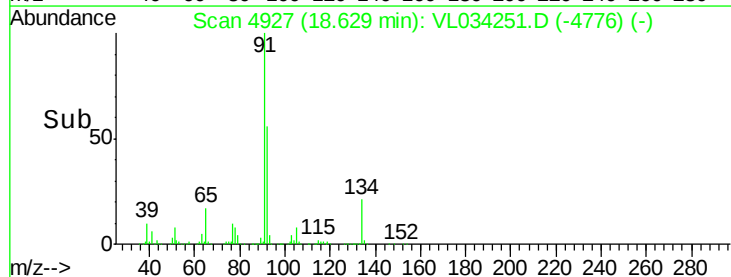
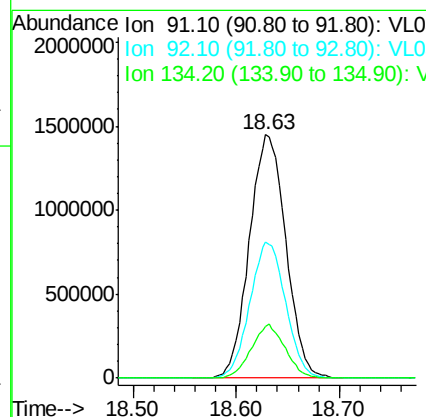
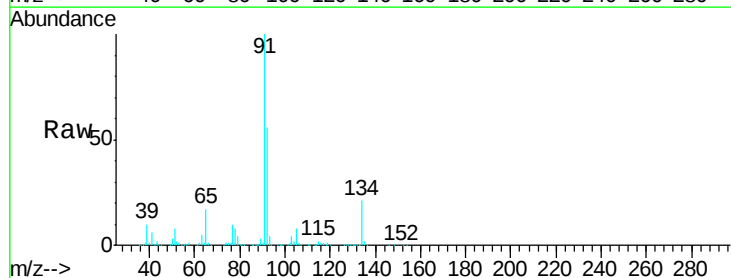
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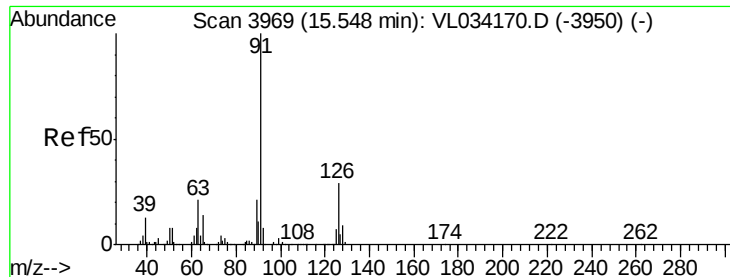
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#70
 n-Butylbenzene
 Concen: 9.001 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.8	67.2
134	20.5	17.3	25.9





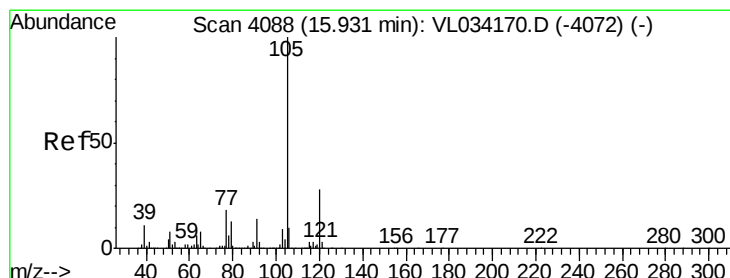
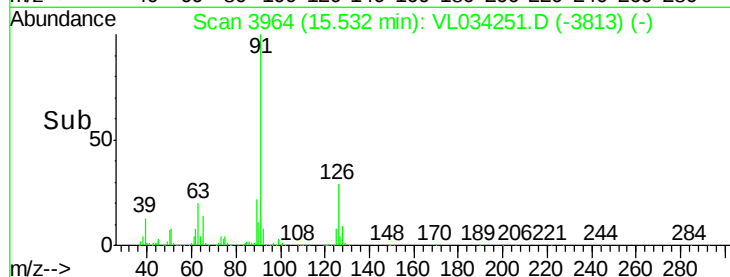
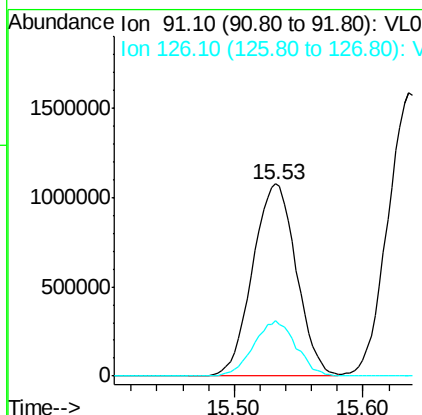
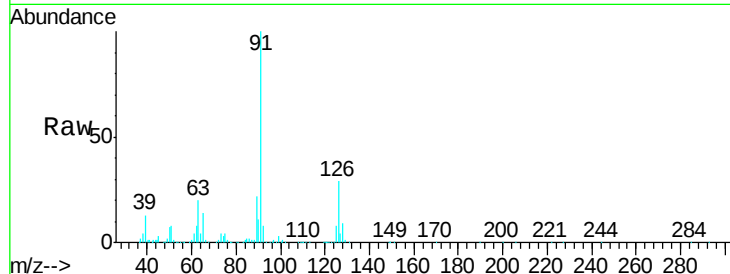
#71
2-Chlorotoluene
Concen: 9.251 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2532197
Ion Ratio Lower Upper
91 100
126 28.1 11.2 45.0

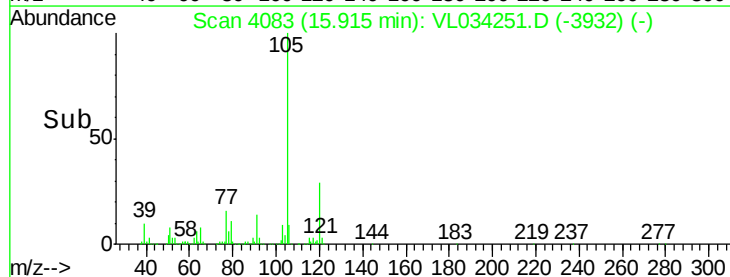
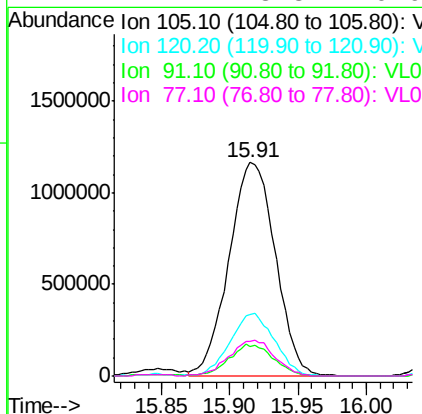
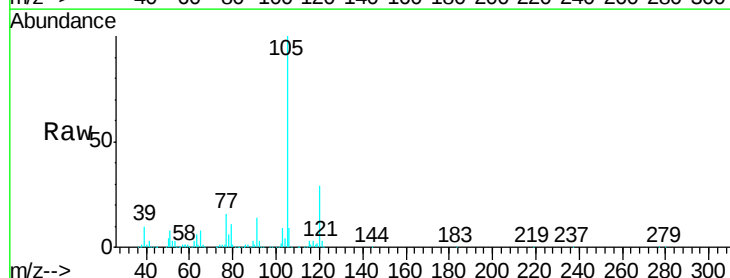
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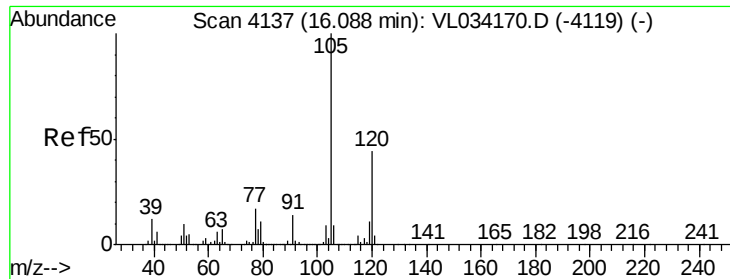
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#72
4-Ethyltoluene
Concen: 9.382 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion: 105 Resp: 2743035
Ion Ratio Lower Upper
105 100
120 28.1 23.3 34.9
91 14.8 11.4 17.2
77 17.1 13.3 19.9





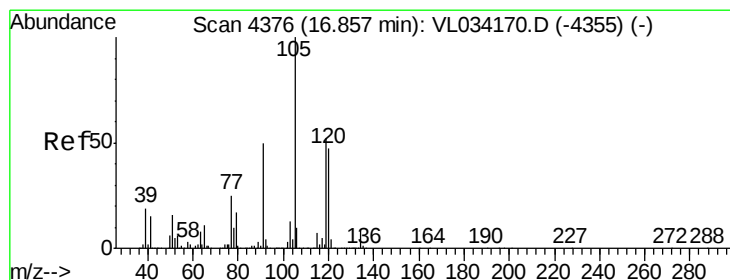
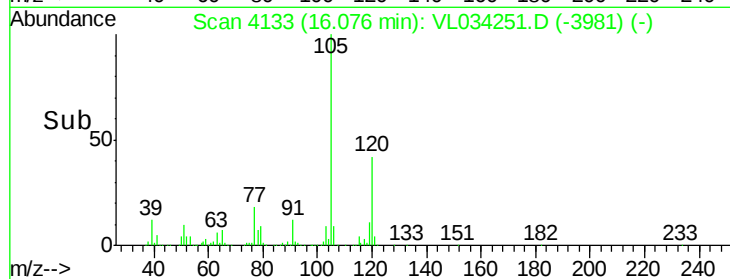
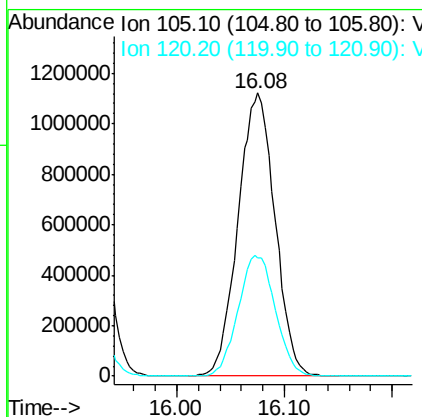
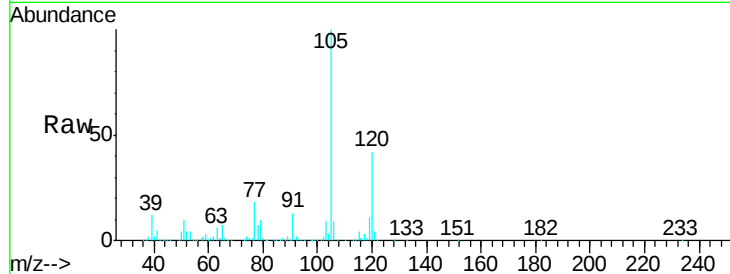
#73
 1,3,5-Trimethylbenzene
 Concen: 9.400 ppbv
 RT: 16.08 min Scan# 4133
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 2655162
 Ion Ratio Lower Upper
 105 100
 120 41.7 35.6 53.4

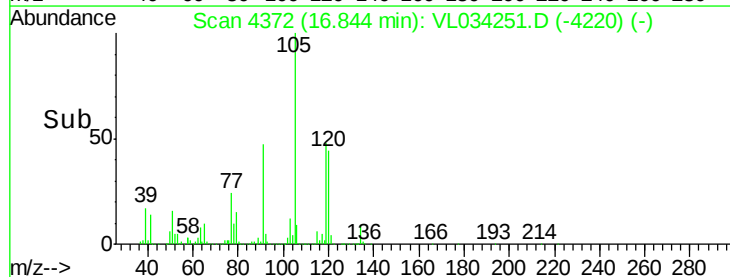
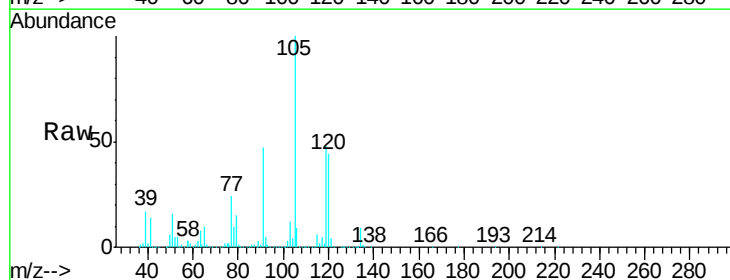
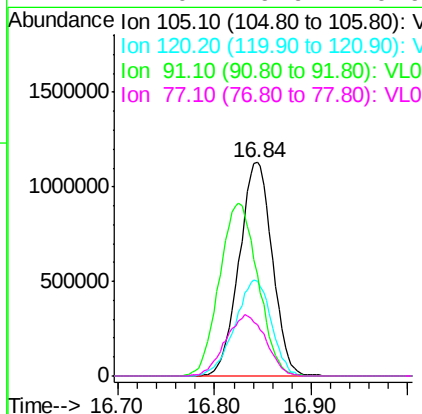
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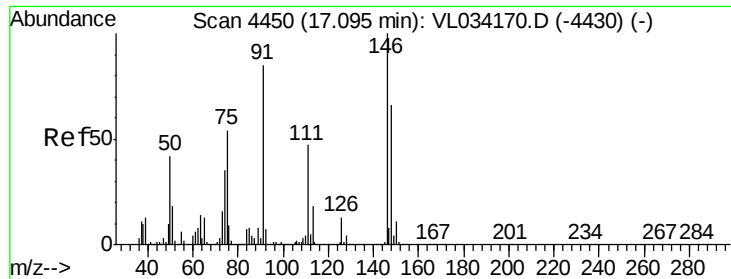
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.972 ppbv
 RT: 16.84 min Scan# 4372
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion:105 Resp: 2690712
 Ion Ratio Lower Upper
 105 100
 120 44.2 37.5 56.3
 91 46.9 41.1 61.7
 77 24.0 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 8.933 ppbv

RT: 17.08 min Scan# 4445

Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Instrument :

MSVOA_L

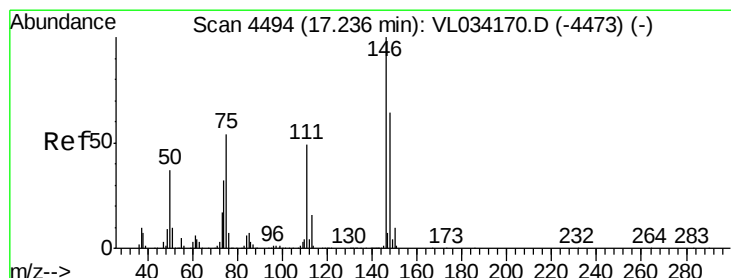
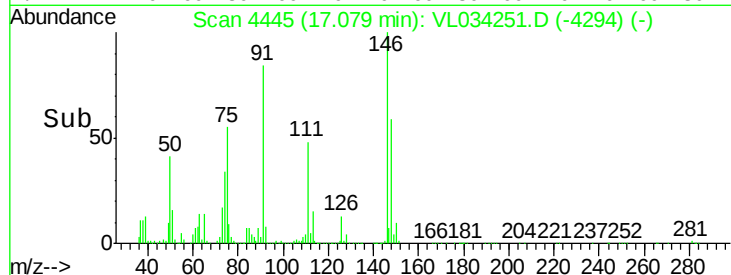
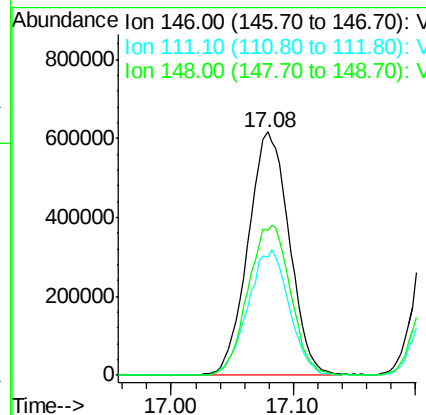
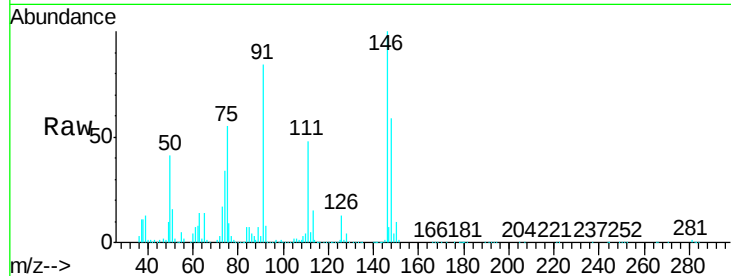
ClientSampleId :

VSTDCCC010

Tgt Ion:	146	Resp:	1437451
Ion Ratio	Lower	Upper	
146	100		
111	51.9	25.9	77.8
148	63.6	32.6	97.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.837 ppbv

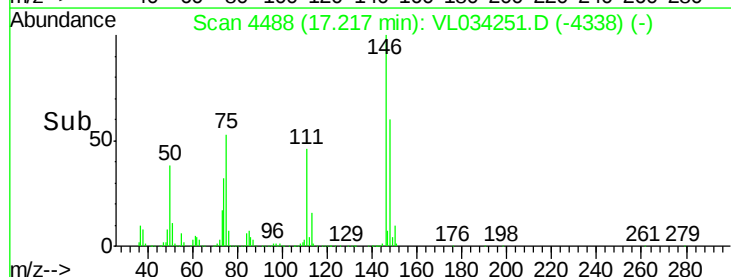
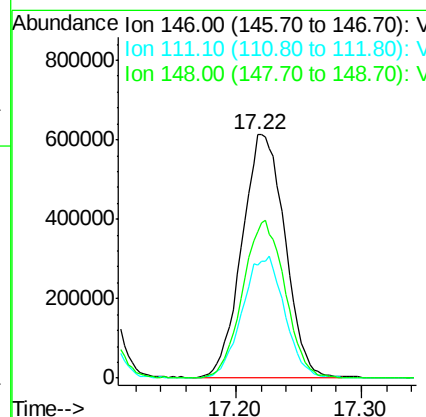
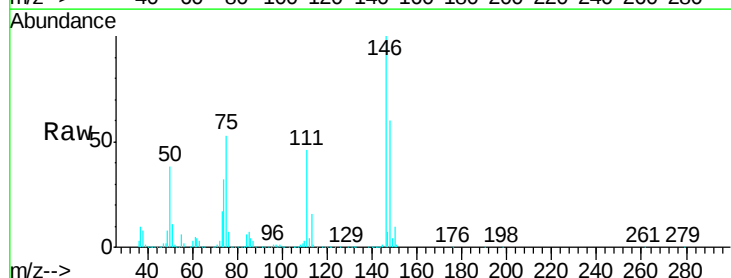
RT: 17.22 min Scan# 4488

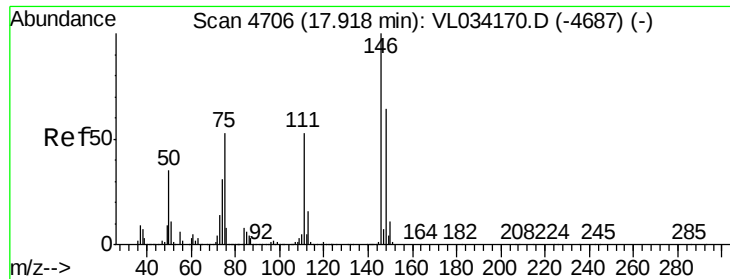
Delta R.T. -0.02 min

Lab File: VL034251.D

Acq: 8 Oct 2019 14:51

Tgt Ion:	146	Resp:	1456218
Ion Ratio	Lower	Upper	
146	100		
111	49.0	24.6	74.0
148	63.8	32.4	97.0





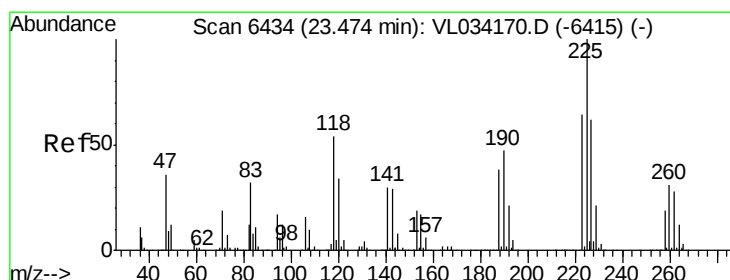
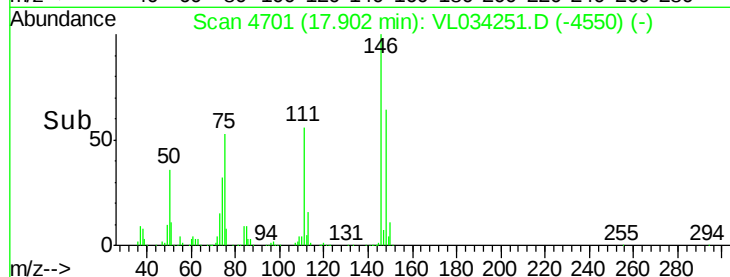
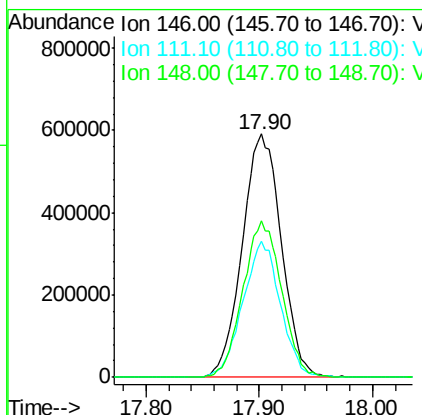
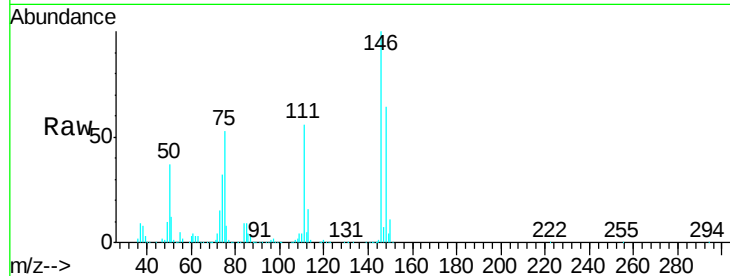
#77
 1,2-Dichlorobenzene
 Concen: 8.718 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 1419920
 Ion Ratio Lower Upper
 146 100
 111 53.7 26.1 78.3
 148 63.8 31.9 95.9

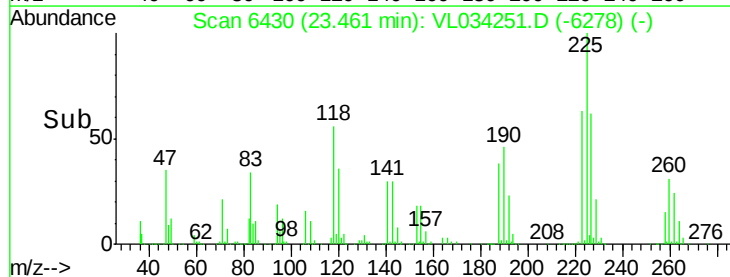
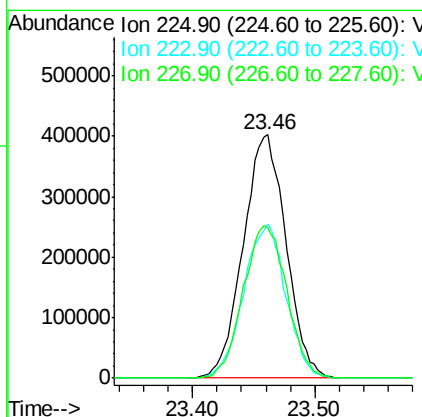
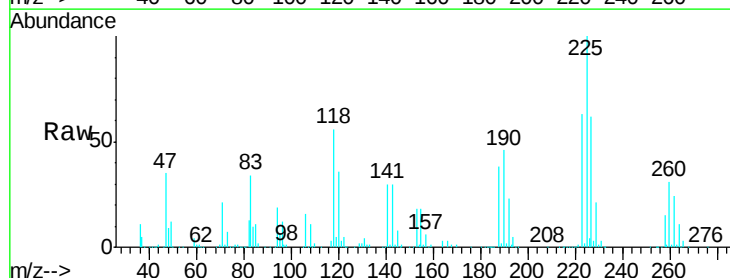
Manual Integrations
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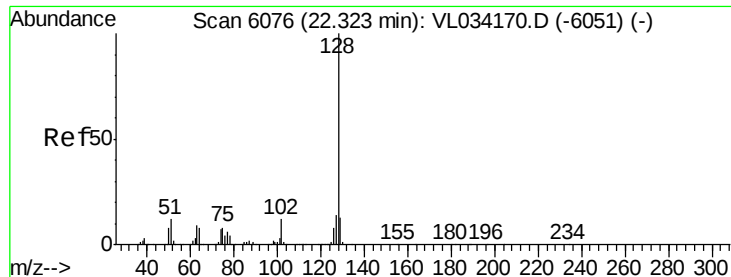
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.029 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. -0.01 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Tgt Ion:225 Resp: 974020
 Ion Ratio Lower Upper
 225 100
 223 62.5 51.7 77.5
 227 64.1 52.1 78.1





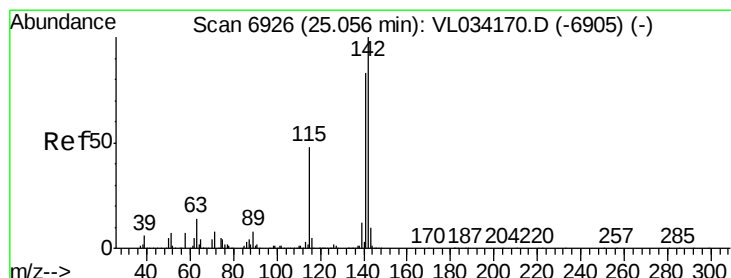
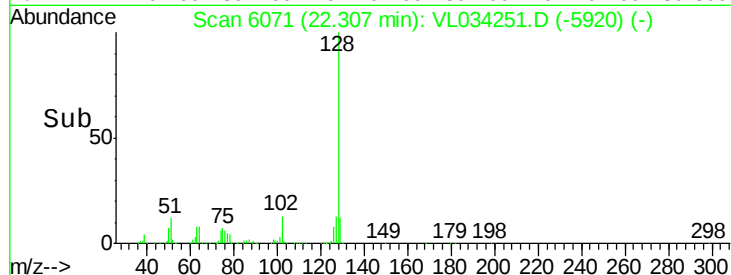
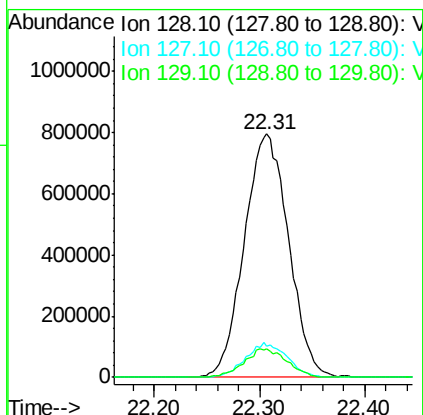
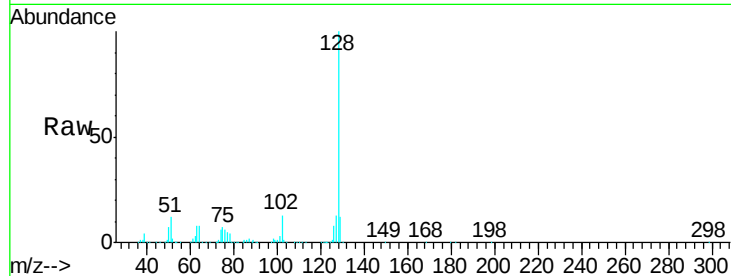
#79
Naphthalene
Concen: 8.777 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.1	16.7
129	11.9	10.2	15.4

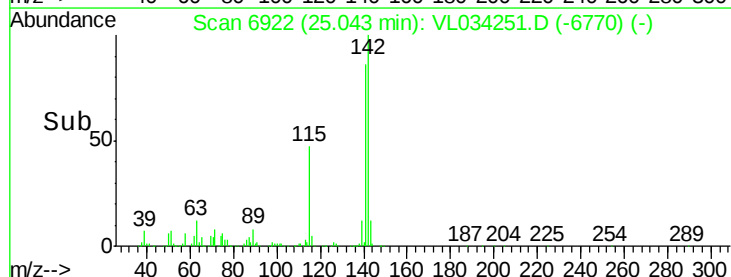
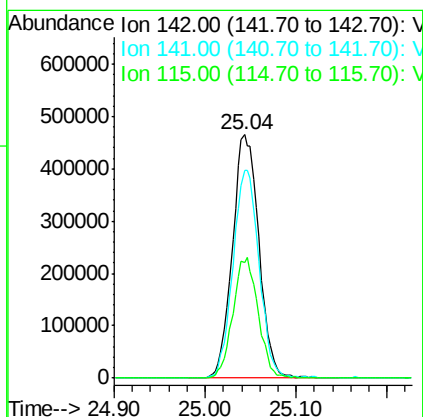
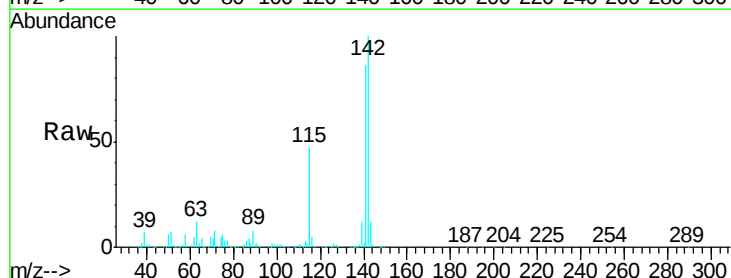
Manual Integrations
APPROVED

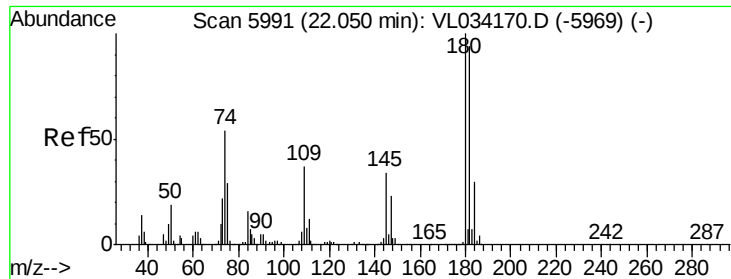
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#80
Naphthalene, 2-methyl-
Concen: 7.664 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034251.D
Acq: 8 Oct 2019 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	47.2	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.711 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034251.D
 Acq: 8 Oct 2019 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	31.0	25.0	37.4

Manual Integrations
 APPROVED

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