

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034783.D
 Acq On : 4 Mar 2020 5:54
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 ICVVL030420

Manual Integrations
 APPROVED

apatel
 3/4/2020 4:45:26 PM

Quant Time: Mar 04 06:48:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1096060	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2297050	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2360401	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.47	95	1947564	9.90	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1377508	7.701	ppbv	95
3) Chlorodifluoromethane	2.96	51	1100694	8.815	ppbv	99
4) Chloromethane	3.11	50	615196	9.147	ppbv	94
5) Vinyl Chloride	3.23	62	613680	8.637	ppbv	99
6) Bromomethane	3.45	94	358520	9.245	ppbv	96
7) Chloroethane	3.54	64	236806	9.639	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1391238	8.953	ppbv	100
9) Propene	2.98	41	471010	9.583	ppbv	99
10) Heptane	8.15	43	1239929	9.926	ppbv	97
11) Trichlorofluoromethane	3.93	101	1426594	8.913	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	973542	8.816	ppbv	99
13) Ethanol	3.59	45	129333	7.680	ppbv	98
14) Bromoethene	3.72	108	434717	9.593	ppbv	97
15) Acetone	3.83	43	1132155	8.626	ppbv	100
16) 1,3-Butadiene	3.30	39	572670	9.643	ppbv	99
17) tert-Butyl alcohol	4.28	59	1002152	9.683	ppbv	99
18) 1,1-Dichloroethene	4.28	96	457060	9.384	ppbv	97
19) Isopropyl Alcohol	3.96	45	795109	10.110	ppbv	100
20) Methylene Chloride	4.33	84	407448	8.698	ppbv	97
21) Allyl Chloride	4.40	41	803244	9.664	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	456383	9.599	ppbv	99
23) Vinyl Acetate	5.08	43	1793254	10.189	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1281586	9.382	ppbv	98
25) Ethyl Acetate	5.68	43	2163708	9.540	ppbv	100
26) Hexane	5.69	57	958222	9.671	ppbv	99
27) Carbon Disulfide	4.55	76	1194725	10.321	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1422075	9.642	ppbv	100
29) Chloroform	5.77	83	1522135	9.126	ppbv	99
30) Cyclohexane	7.15	84	791618	10.443	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	995325	9.794	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1455889	8.833	ppbv	99
34) 2-Butanone	5.25	43	1432214	9.584	ppbv	99
35) Carbon Tetrachloride	7.04	117	1525331	8.800	ppbv	99
36) Benzene	6.92	78	1899532	9.677	ppbv	98
37) 1,2-Dichloroethane	6.33	62	1254143	9.354	ppbv	100
38) Trichloroethene	7.87	130	704902	9.214	ppbv	98
39) 1,2-Dichloropropane	7.65	63	754482	9.525	ppbv	98
40) 1,4-Dioxane	7.86	88	295253	10.776	ppbv #	93
41) Tetrahydrofuran	6.06	42	791609	10.382	ppbv	99
42) Bromodichloromethane	7.82	83	1651165	9.733	ppbv	99
43) Methyl Methacrylate	8.04	69	864896	10.398	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3299861	9.620	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	1042039	11.934	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1216088	11.405	ppbv	97
47) 1,1,2-Trichloroethane	9.52	97	784683	9.383	ppbv #	88
48) Dibromochloromethane	10.35	129	1332159	10.187	ppbv	100
49) Bromoform	13.10	173	1168105	10.236	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2147294	10.028	ppbv	100
51) 2-Hexanone	10.17	43	1790233	10.658	ppbv	99
52) Tetrachloroethene	11.27	164	663493	9.149	ppbv	94
53) Toluene	9.84	91	2163384	10.414	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1209055	9.777	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	940010	8.988	ppbv #	60
57) Chlorobenzene	12.20	112	1614118	8.952	ppbv	95
58) Ethyl Benzene	12.76	91	2930733	10.075	ppbv	99
59) m/p-Xylene	13.05	91	4840906m	19.225	ppbv	
60) o-Xylene	13.74	91	2396058	9.405	ppbv	100
61) Styrene	13.58	104	1701496	10.766	ppbv	98
62) Isopropylbenzene	14.72	105	3346781	8.926	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1719679	8.563	ppbv	100
64) n-propylbenzene	15.61	120	876657m	9.324	ppbv	
65) tert-Butylbenzene	16.80	119	2904228	9.165	ppbv	99
66) Benzyl Chloride	17.05	91	1403347	13.699	ppbv	99
67) sec-Butylbenzene	17.36	105	4188904	9.072	ppbv	99
69) p-Isopropyltoluene	17.72	119	3439178	9.204	ppbv	99
70) n-Butylbenzene	18.61	91	3742838	9.160	ppbv	100
71) 2-Chlorotoluene	15.51	91	2661780	9.399	ppbv	100
72) 4-Ethyltoluene	15.90	105	2698738	9.514	ppbv	97
73) 1,3,5-Trimethylbenzene	16.05	105	2622711	9.639	ppbv	98
74) 1,2,4-Trimethylbenzene	16.82	105	2740841	9.266	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	1563435	8.929	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1561785	9.321	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1515925	9.050	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1204500	8.617	ppbv	100
79) Naphthalene	22.28	128	2618176	11.779	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	592716	11.164	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	1409906	10.034	ppbv	99

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

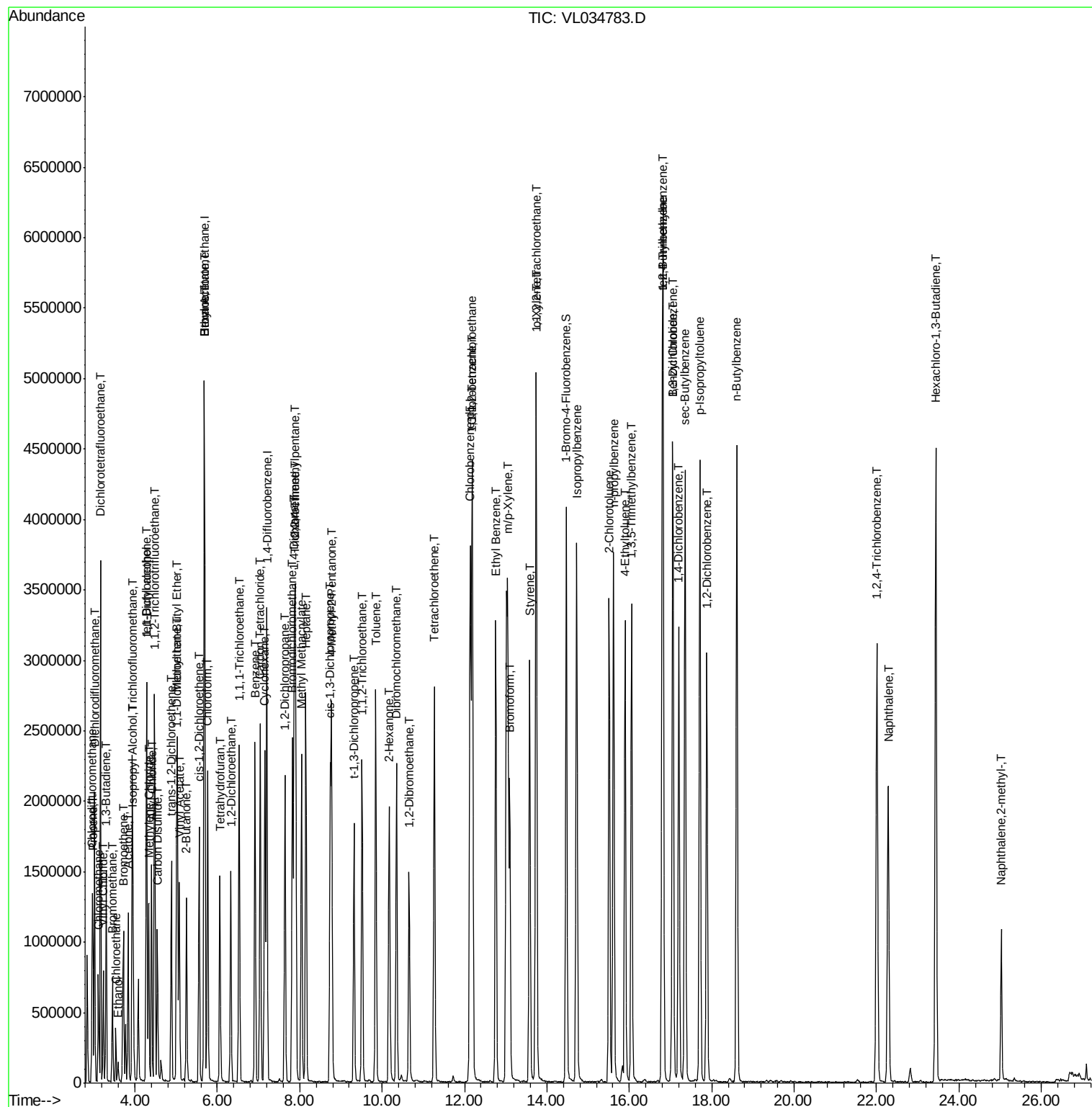
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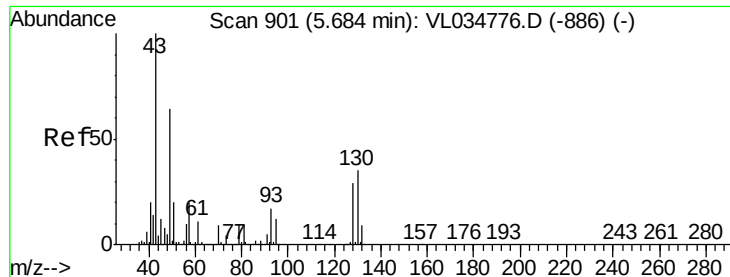
Instrument :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 49 Resp: 1096060

Ion Ratio Lower Upper

49 100

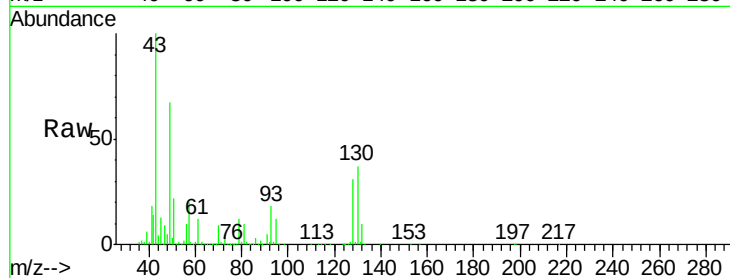
128 43.9 21.6 64.6

130 55.4 27.4 82.2

Manual Integrations
APPROVED

apatel

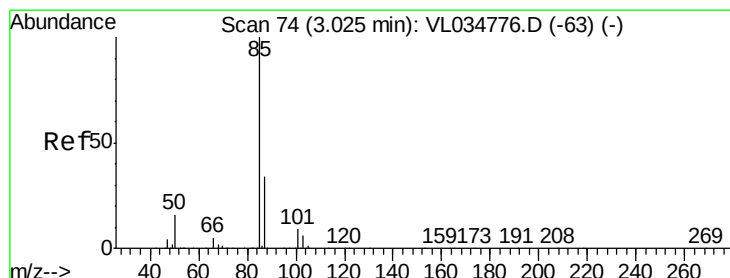
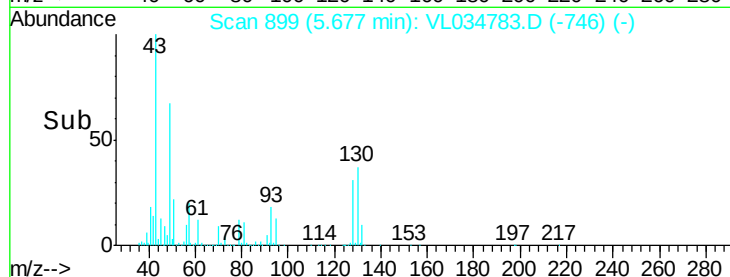
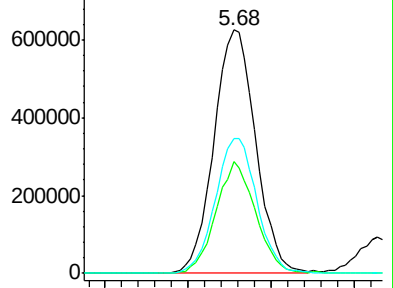
3/4/2020 4:45:26 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.701 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL034783.D

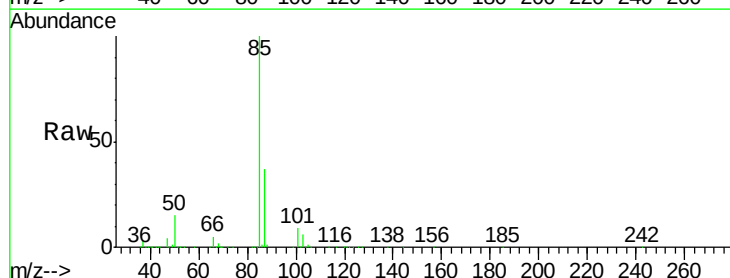
Acq: 4 Mar 2020 5:54

Tgt Ion: 85 Resp: 1377508

Ion Ratio Lower Upper

85 100

87 36.6 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

Ion 107.00 (106.70 to 107.70): VL0

Ion 109.00 (108.70 to 109.70): VL0

Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0

Ion 123.00 (122.70 to 123.70): VL0

Ion 125.00 (124.70 to 125.70): VL0

Ion 127.00 (126.70 to 127.70): VL0

Ion 129.00 (128.70 to 129.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 133.00 (132.70 to 133.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

Ion 137.00 (136.70 to 137.70): VL0

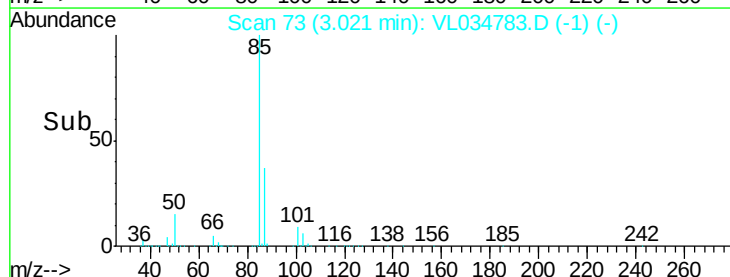
Ion 139.00 (138.70 to 139.70): VL0

Ion 141.00 (140.70 to 141.70): VL0

Ion 143.00 (142.70 to 143.70): VL0

Ion 145.00 (144.70 to 145.70): VL0

Ion 147.00 (146.70 to 147.70): VL0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

Ion 107.00 (106.70 to 107.70): VL0

Ion 109.00 (108.70 to 109.70): VL0

Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0

Ion 123.00 (122.70 to 123.70): VL0

Ion 125.00 (124.70 to 125.70): VL0

Ion 127.00 (126.70 to 127.70): VL0

Ion 129.00 (128.70 to 129.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 133.00 (132.70 to 133.70): VL0

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Ion 137.00 (136.70 to 137.70): VL0

Ion 139.00 (138.70 to 139.70): VL0

Ion 141.00 (140.70 to 141.70): VL0

Ion 143.00 (142.70 to 143.70): VL0

Ion 145.00 (144.70 to 145.70): VL0

Ion 147.00 (146.70 to 147.70): VL0

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

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Ion 99.00 (98.70 to 99.70): VL0

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Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

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Ion 121.00 (120.70 to 121.70): VL0

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Ion 133.00 (132.70 to 133.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

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Ion 139.00 (138.70 to 139.70): VL0

Ion 141.00 (140.70 to 141.70): VL0

Ion 143.00 (142.70 to 143.70): VL0

Ion 145.00 (144.70 to 145.70): VL0

Ion 147.00 (146.70 to 147.70): VL0

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

Ion 107.00 (106.70 to 107.70): VL0

Ion 109.00 (108.70 to 109.70): VL0

Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0

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Ion 127.00 (126.70 to 127.70): VL0

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Ion 143.00 (142.70 to 143.70): VL0

Ion 145.00 (144.70 to 145.70): VL0

Ion 147.00 (146.70 to 147.70): VL0

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

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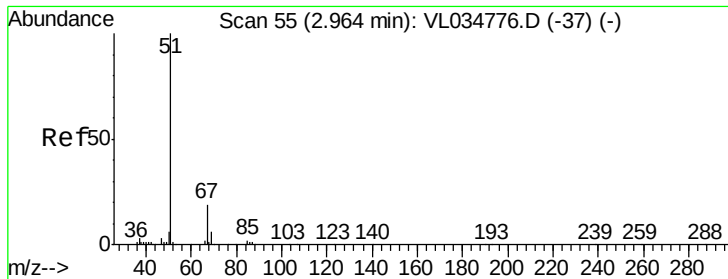
Ion 135.00 (134.70 to 135.70): VL0

Ion 137.00 (136.70 to 137.70): VL0

Ion 139.00 (138.70 to 139.70): VL0

Ion 141.00 (140.70 to 141.70): VL0

Ion 143.00 (142.70 to 143.70): VL0



#3

Chlorodifluoromethane

Concen: 8.815 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 51 Resp: 1100694

Ion Ratio Lower Upper

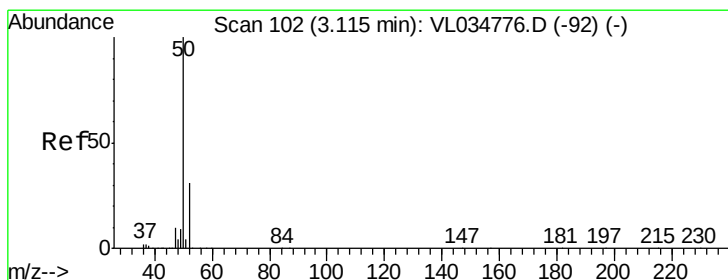
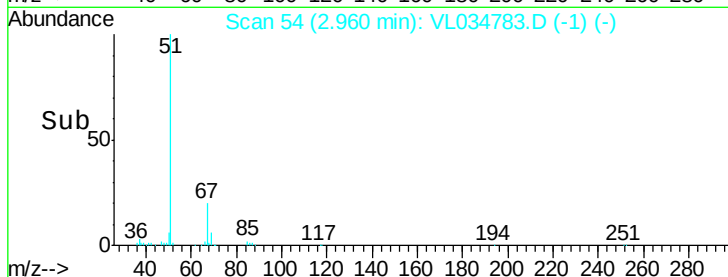
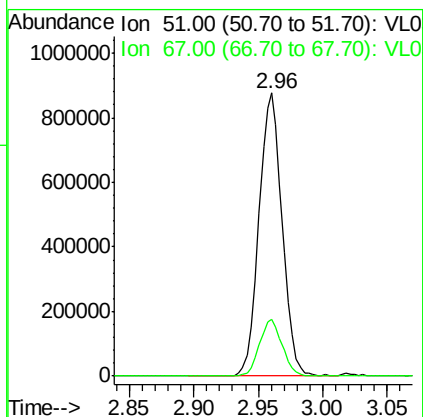
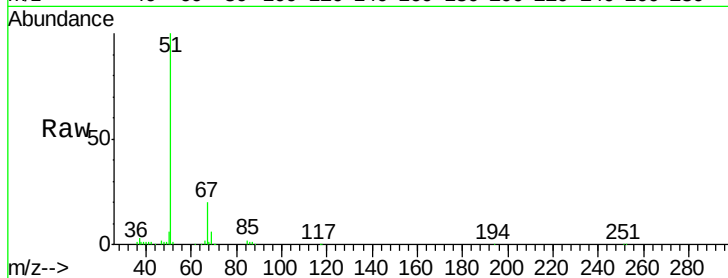
51 100

67 19.7 15.3 22.9

Manual Integrations
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#4

Chloromethane

Concen: 9.147 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034783.D

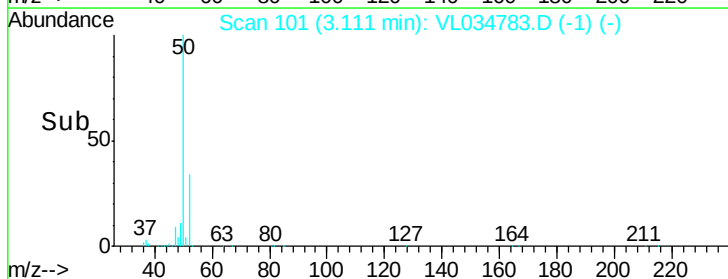
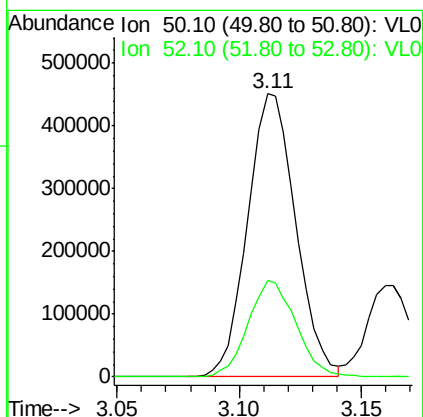
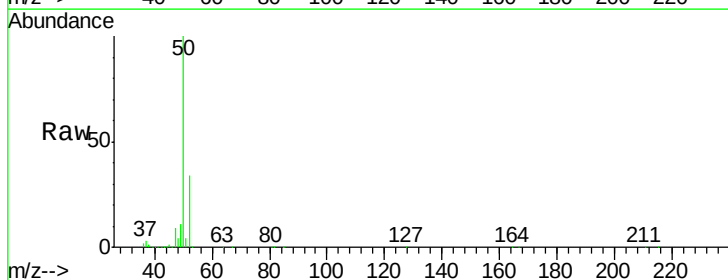
Acq: 4 Mar 2020 5:54

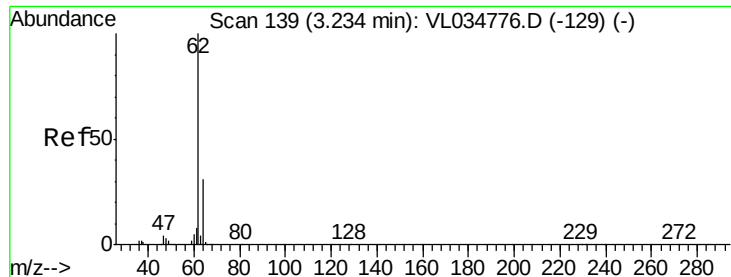
Tgt Ion: 50 Resp: 615196

Ion Ratio Lower Upper

50 100

52 34.3 25.0 37.4





#5

Vinyl Chloride

Concen: 8.637 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 62 Resp: 613680

Ion Ratio Lower Upper

62 100

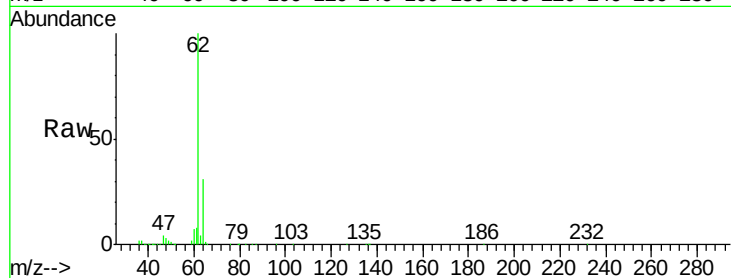
64 30.6 25.1 37.7

Manual Integrations

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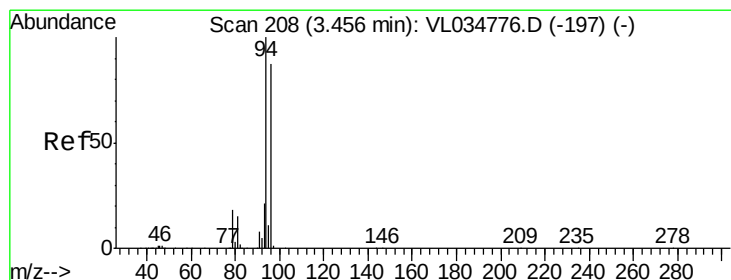
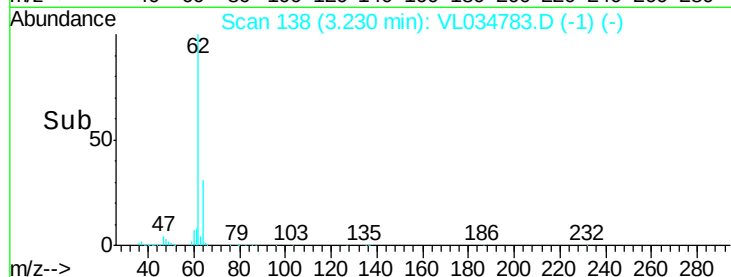
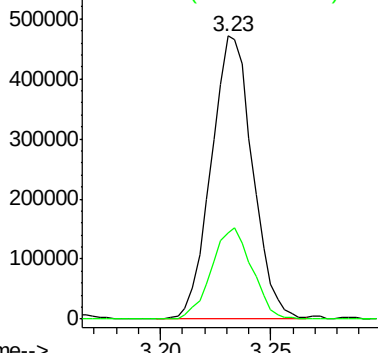
apatel

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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: 9.245 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL034783.D

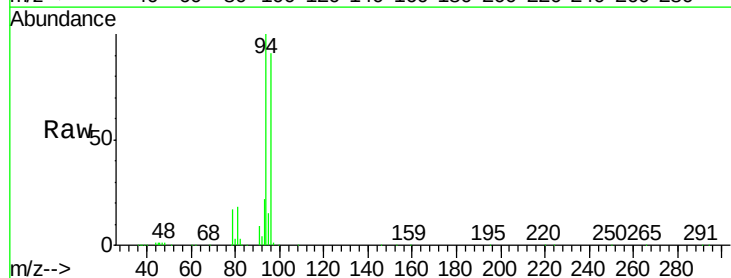
Acq: 4 Mar 2020 5:54

Tgt Ion: 94 Resp: 358520

Ion Ratio Lower Upper

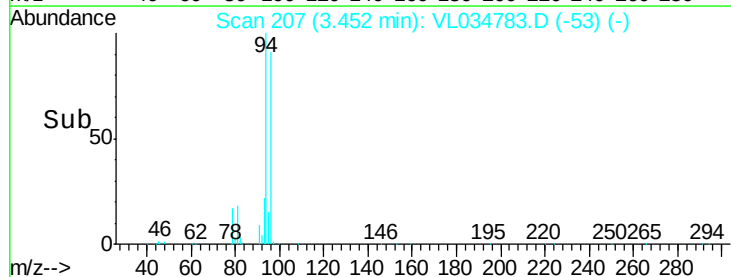
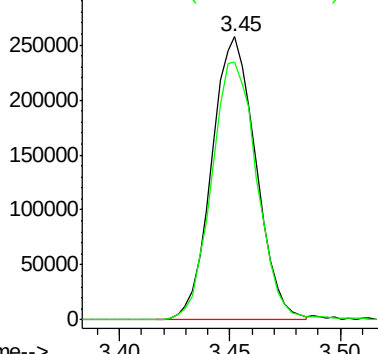
94 100

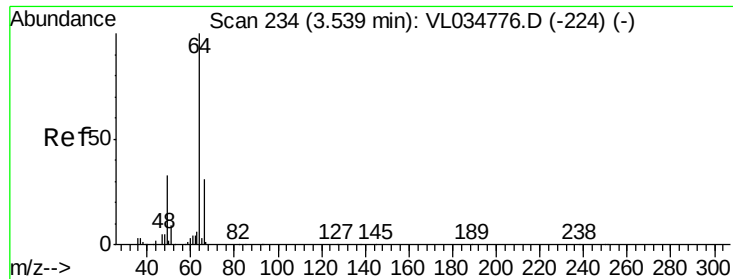
96 91.1 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.639 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 64 Resp: 236806

Ion Ratio Lower Upper

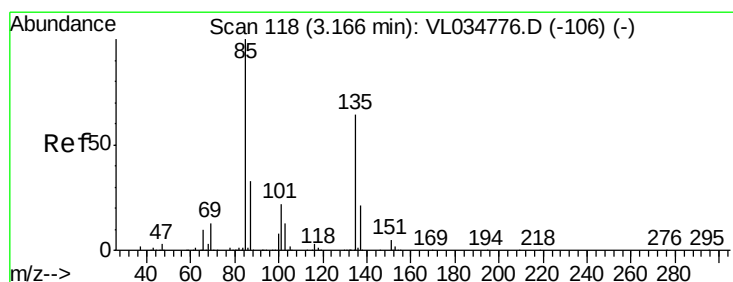
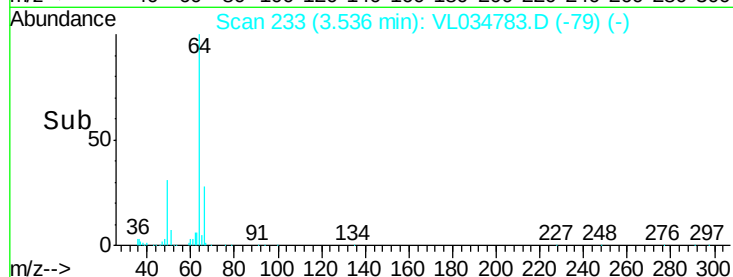
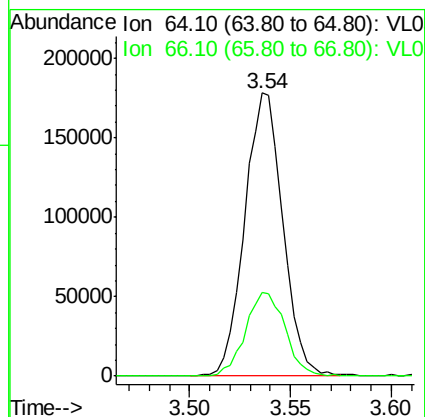
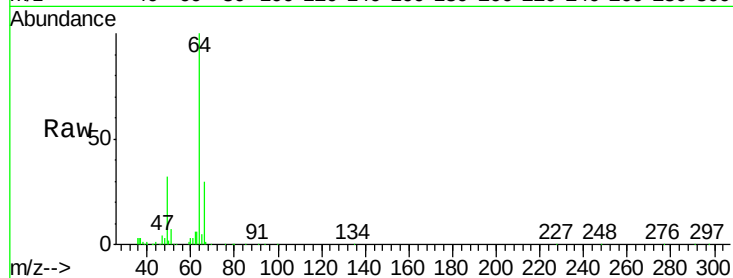
64 100

66 29.6 24.8 37.2

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.953 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.00 min

Lab File: VL034783.D

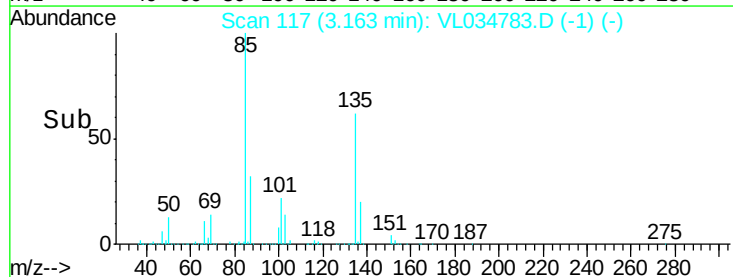
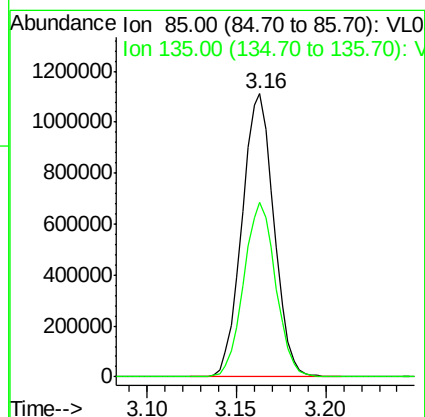
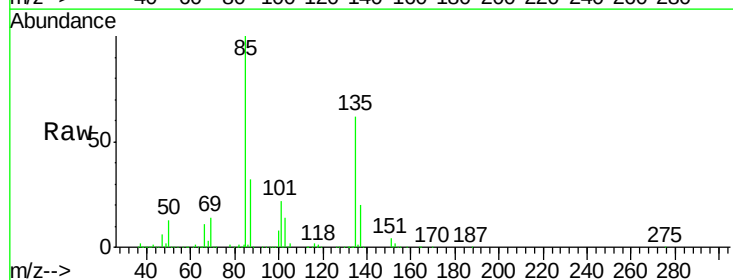
Acq: 4 Mar 2020 5:54

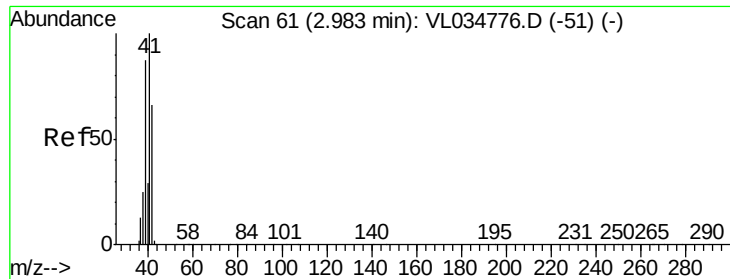
Tgt Ion: 85 Resp: 1391238

Ion Ratio Lower Upper

85 100

135 61.7 49.4 74.2





#9

Propene

Concen: 9.583 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 41 Resp: 471010

Ion Ratio Lower Upper

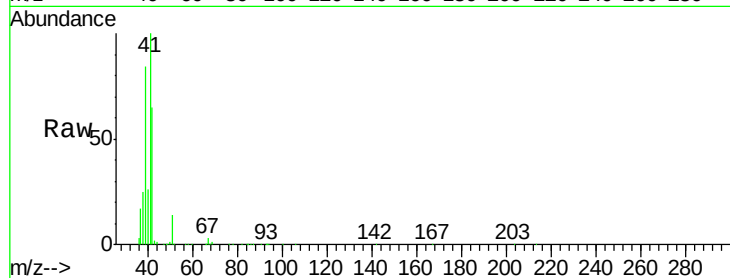
41 100

42 68.8 55.6 83.4

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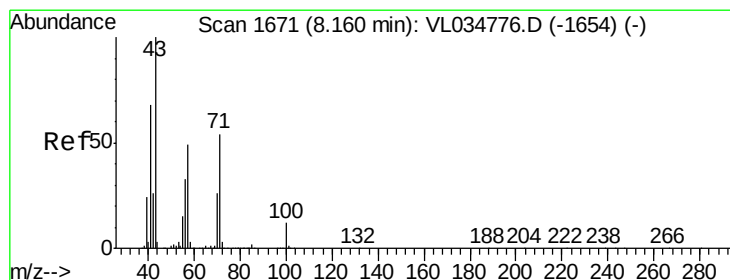
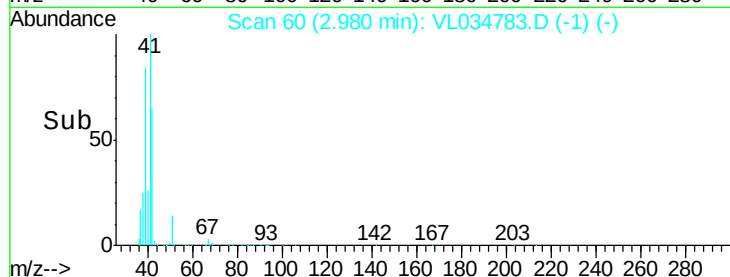
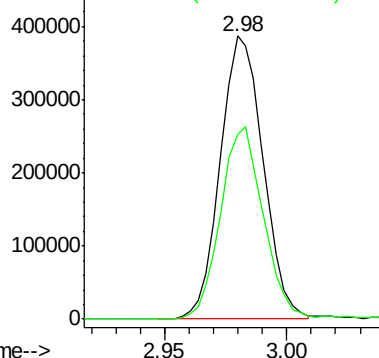
apatel

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.926 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VL034783.D

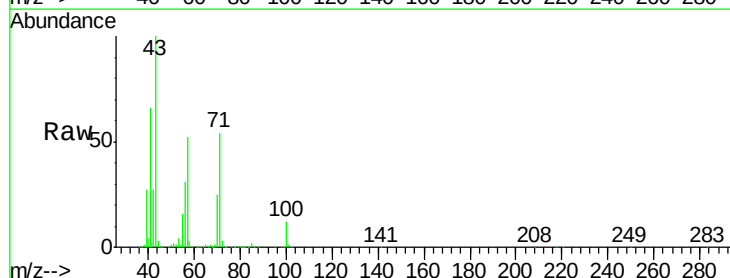
Acq: 4 Mar 2020 5:54

Tgt Ion: 43 Resp: 1239929

Ion Ratio Lower Upper

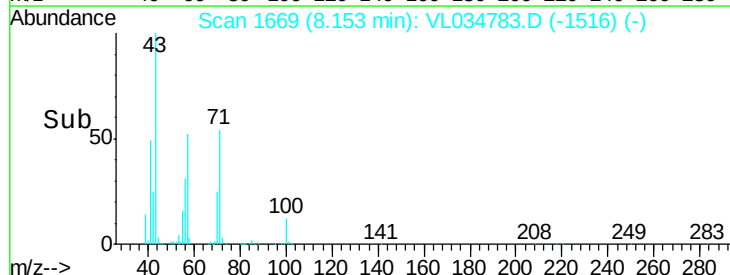
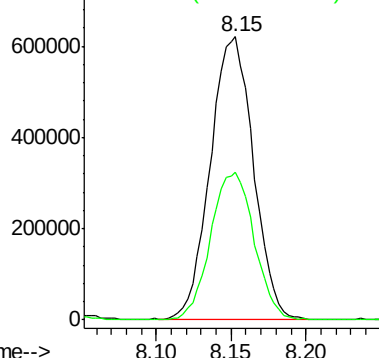
43 100

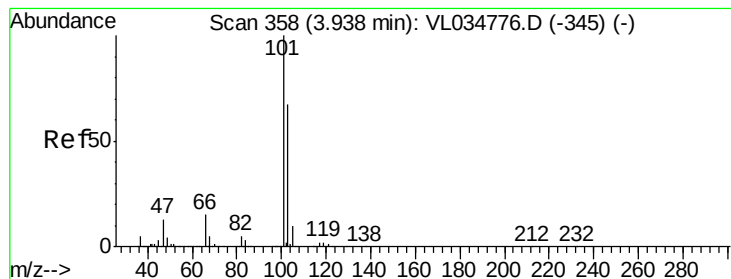
57 52.8 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.913 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion:101 Resp: 1426594

Ion Ratio Lower Upper

101 100

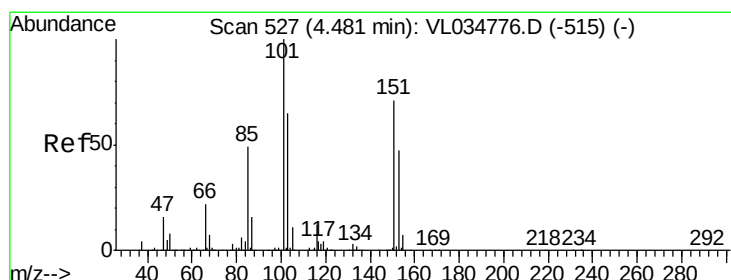
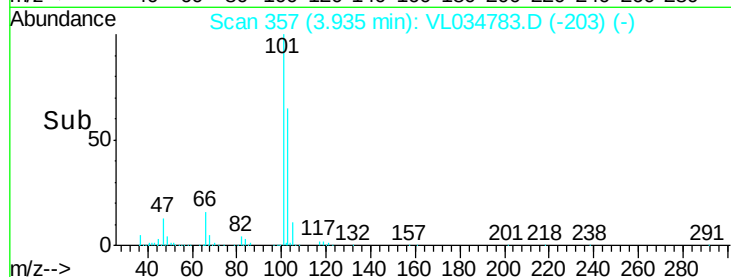
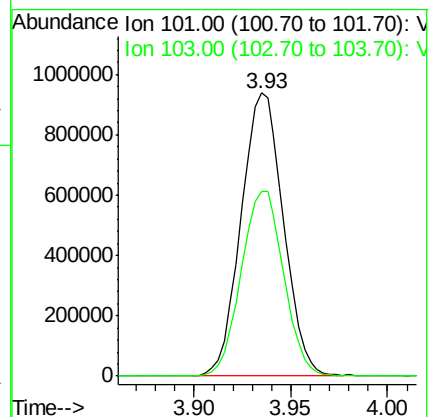
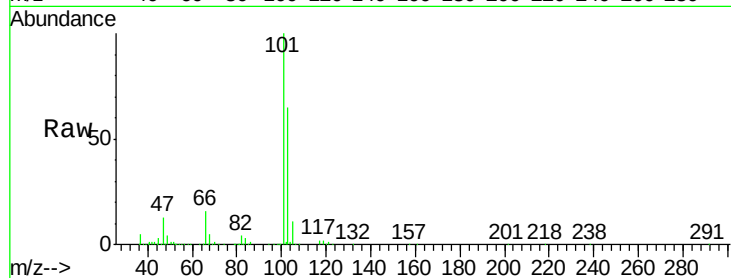
103 65.2 53.6 80.4

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.816 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL034783.D

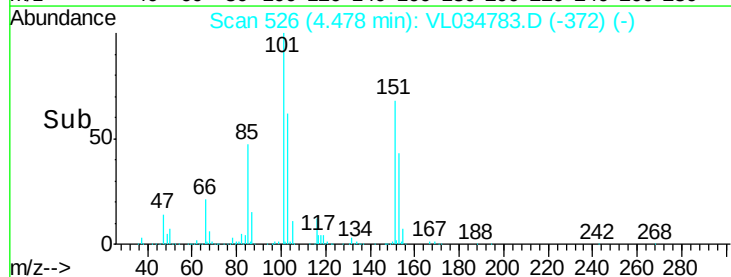
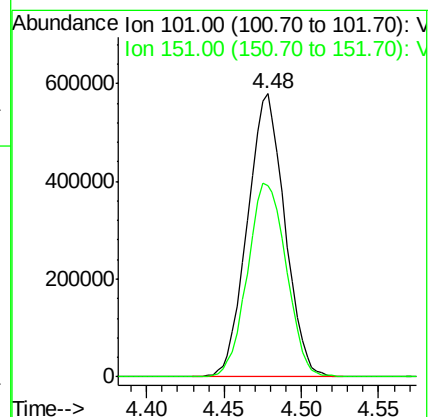
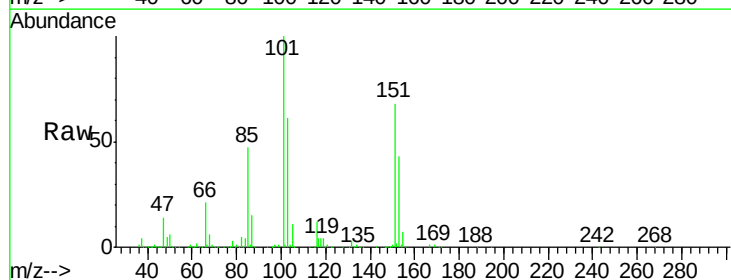
Acq: 4 Mar 2020 5:54

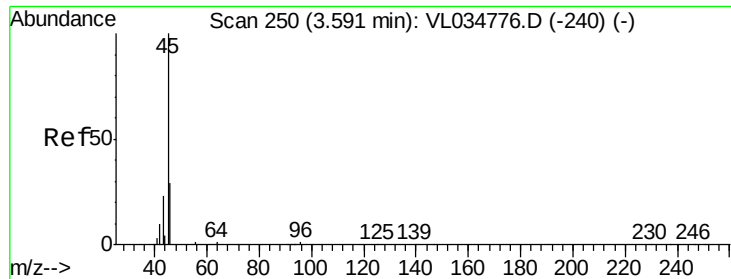
Tgt Ion:101 Resp: 973542

Ion Ratio Lower Upper

101 100

151 71.3 56.6 85.0





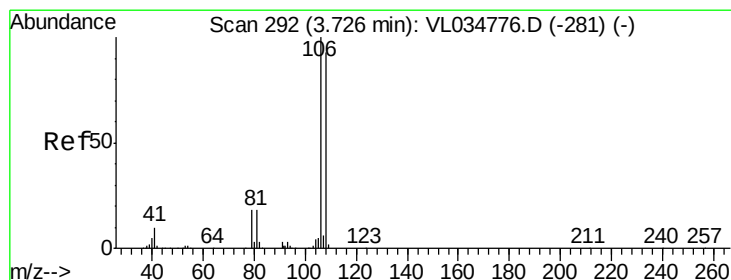
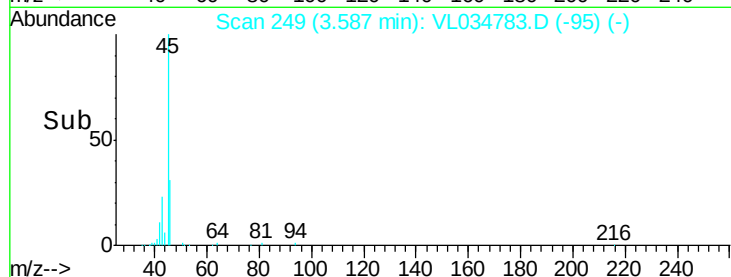
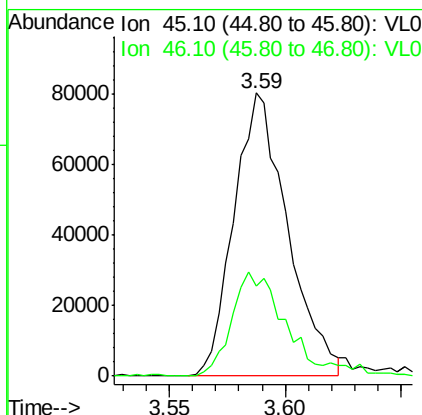
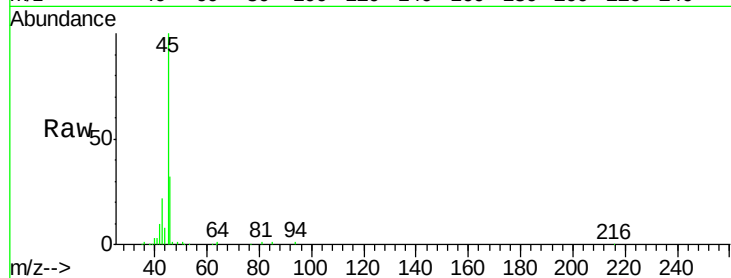
#13
Ethanol
Concen: 7.680 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.00 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.7	58.9

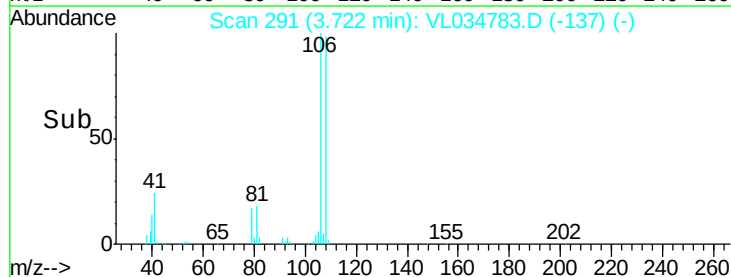
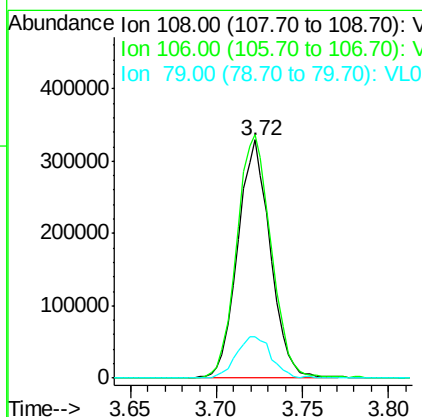
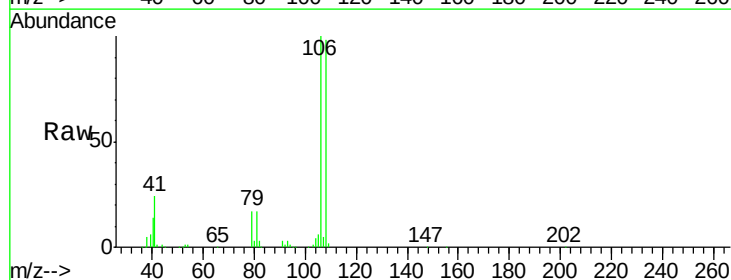
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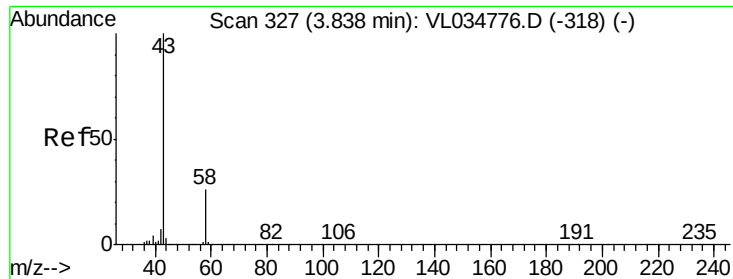
apatel
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#14
Bromoethene
Concen: 9.593 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.3	83.5	125.3
79	19.2	15.6	23.4





#15

Acetone

Concen: 8.626 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 43 Resp: 1132155

Ion Ratio Lower Upper

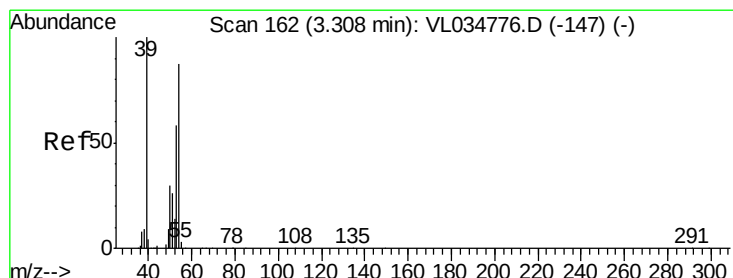
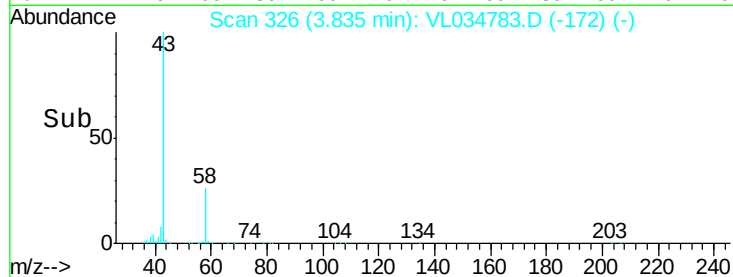
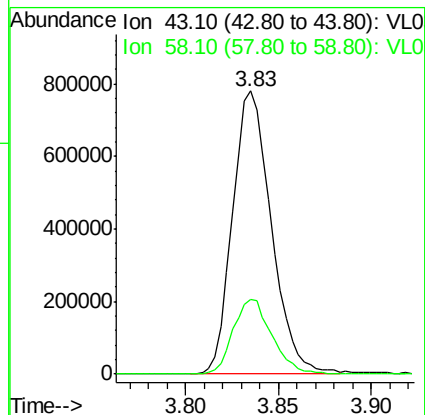
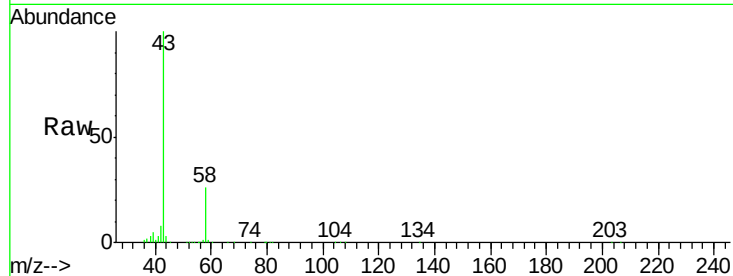
43 100

58 26.5 21.0 31.6

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.643 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.00 min

Lab File: VL034783.D

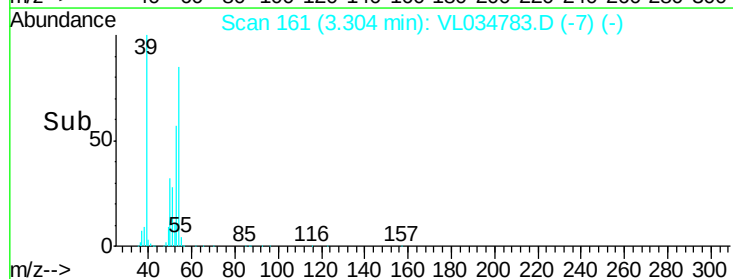
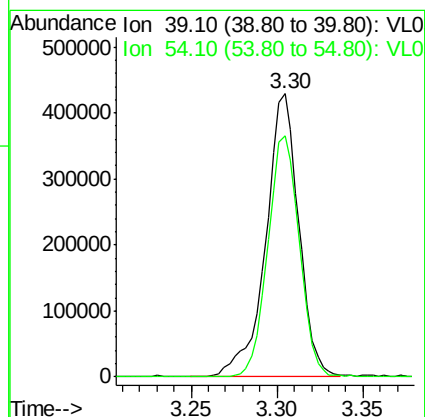
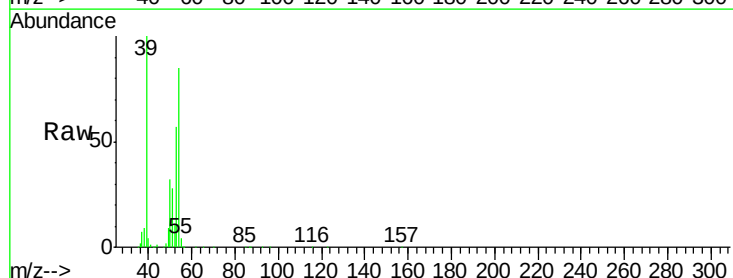
Acq: 4 Mar 2020 5:54

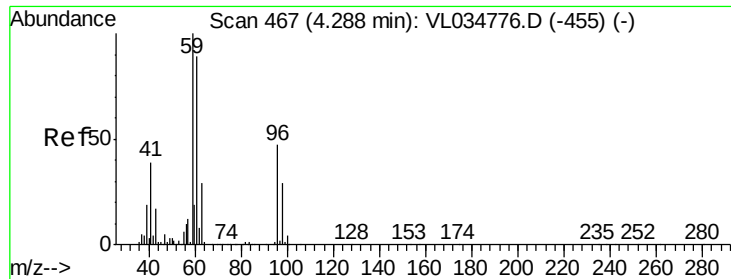
Tgt Ion: 39 Resp: 572670

Ion Ratio Lower Upper

39 100

54 81.3 64.2 96.2





#17

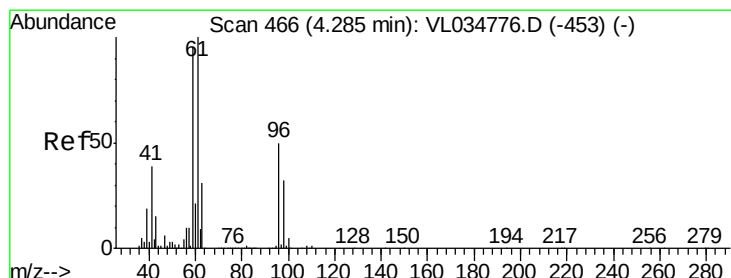
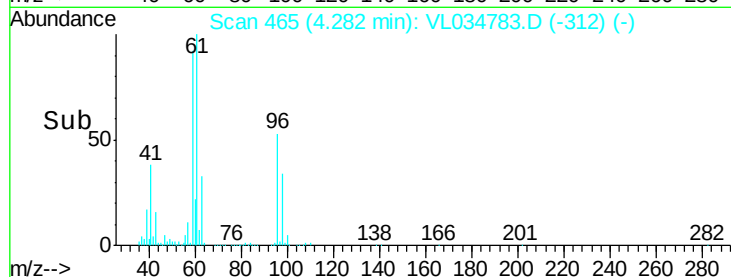
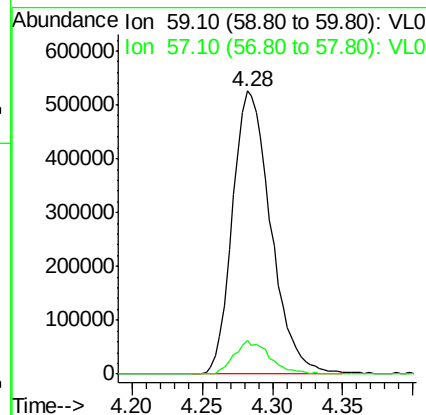
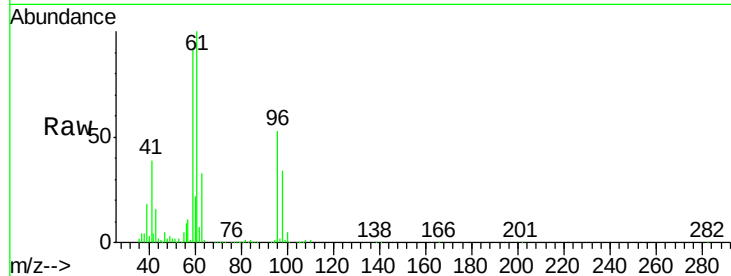
tert-Butyl alcohol
Concen: 9.683 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion: 59 Resp: 1002152
Ion Ratio Lower Upper
59 100
57 11.1 8.6 13.0

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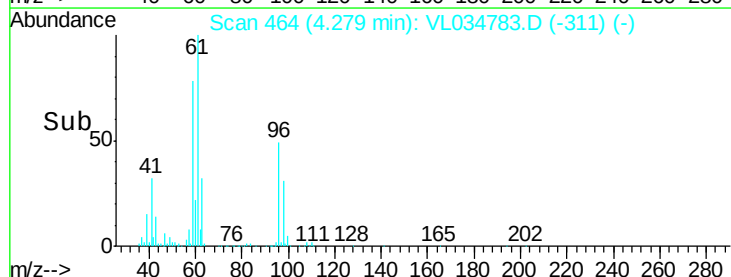
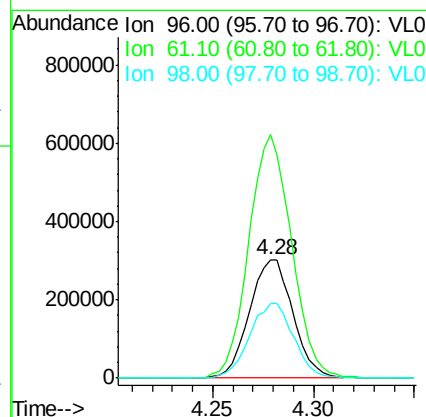
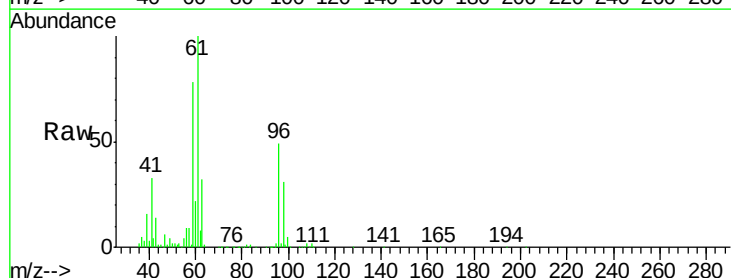
apatel
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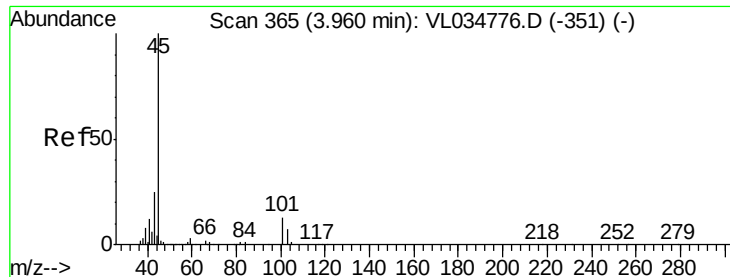


#18

1,1-Dichloroethene
Concen: 9.384 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion: 96 Resp: 457060
Ion Ratio Lower Upper
96 100
61 206.0 159.5 239.3
98 63.4 51.1 76.7





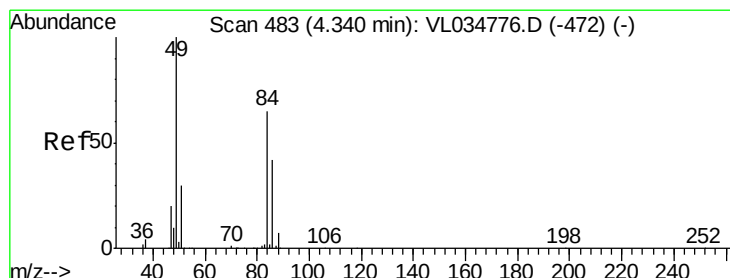
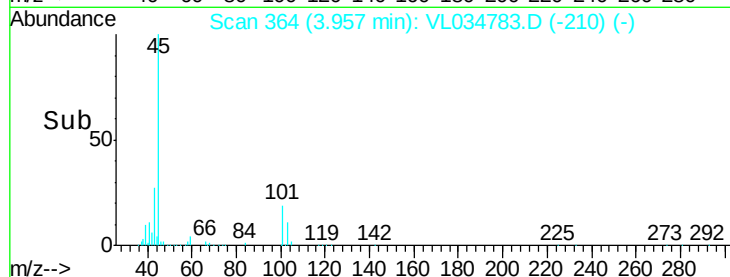
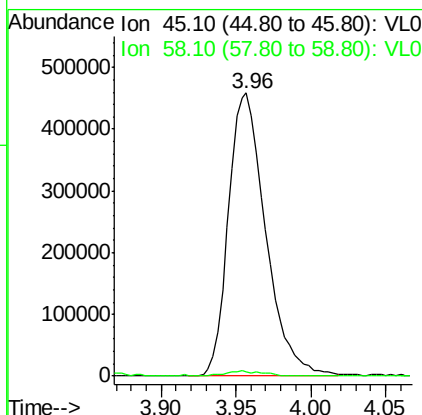
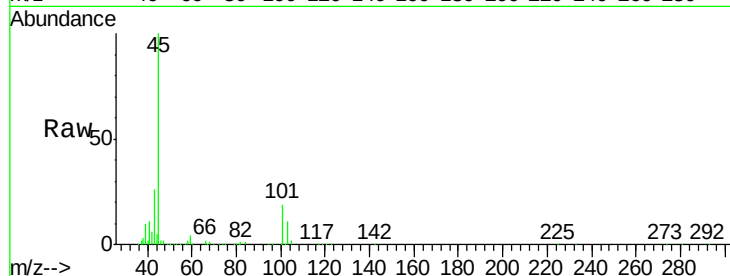
#19
Isopropyl Alcohol
Concen: 10.110 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.8	2.8

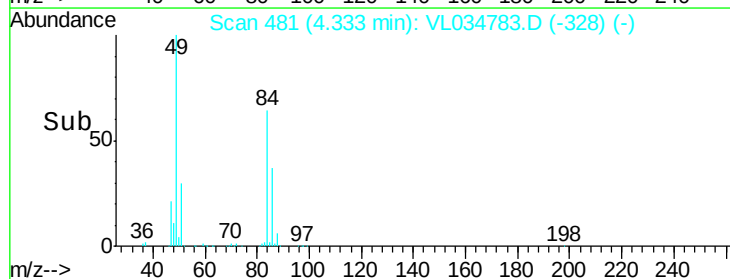
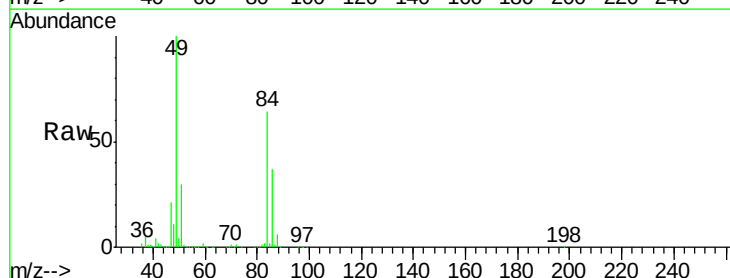
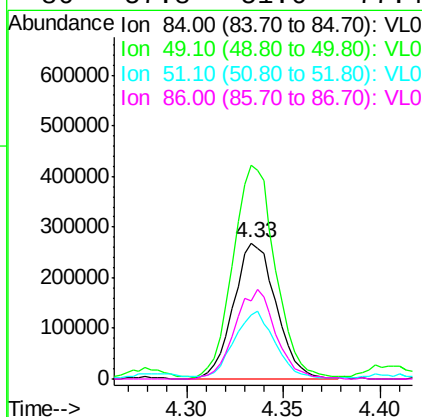
Manual Integrations
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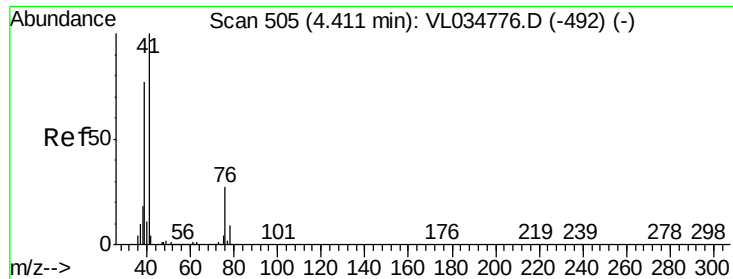
apatel
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#20
Methylene Chloride
Concen: 8.698 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.7	123.2	184.8
51	46.3	37.4	56.2
86	57.8	51.6	77.4





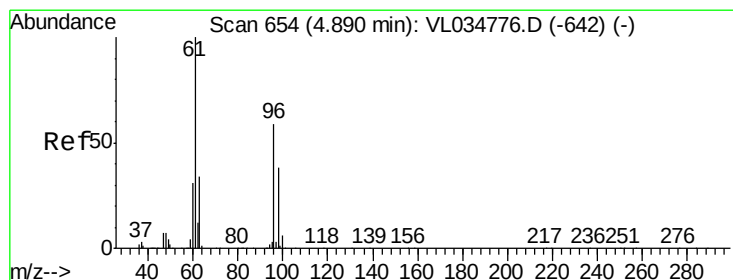
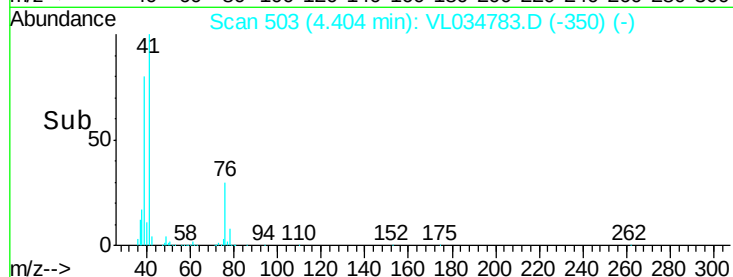
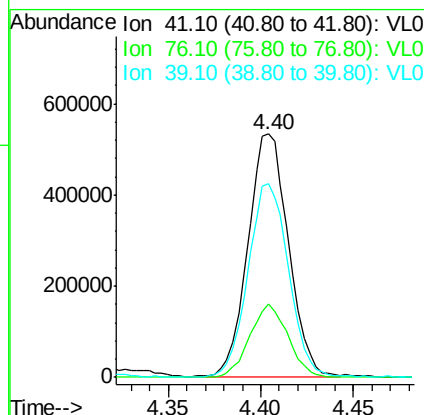
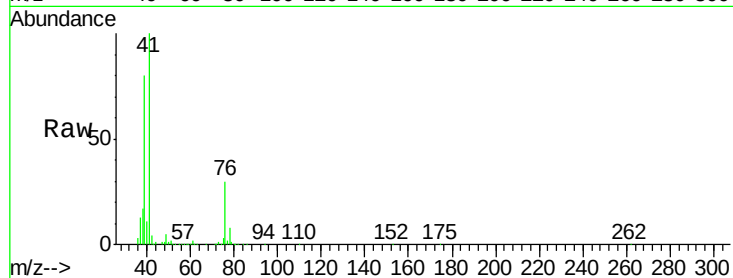
#21
Allvl Chloride
Concen: 9.664 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.5	33.7
39	80.5	65.0	97.6

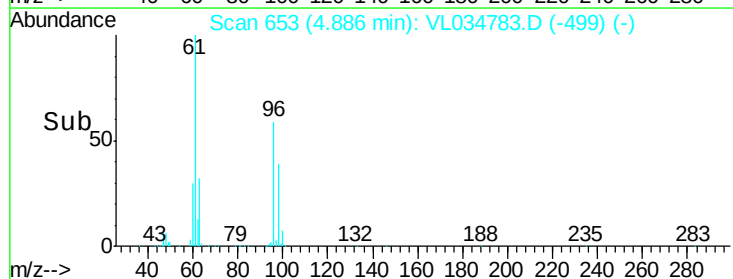
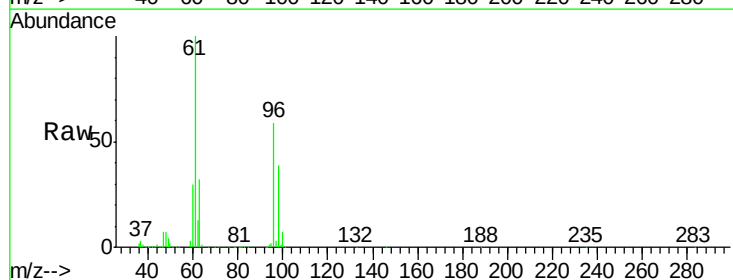
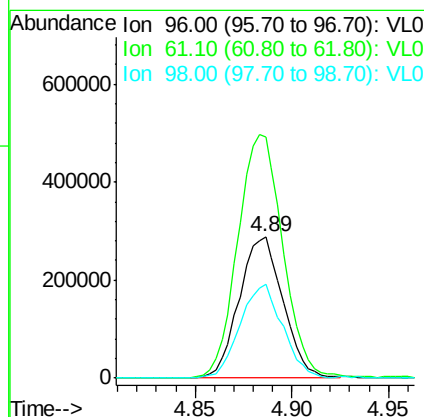
Manual Integrations
APPROVED

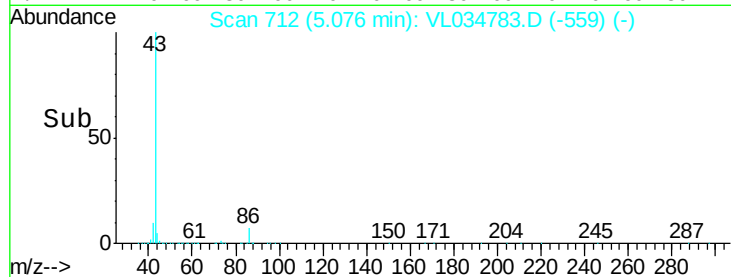
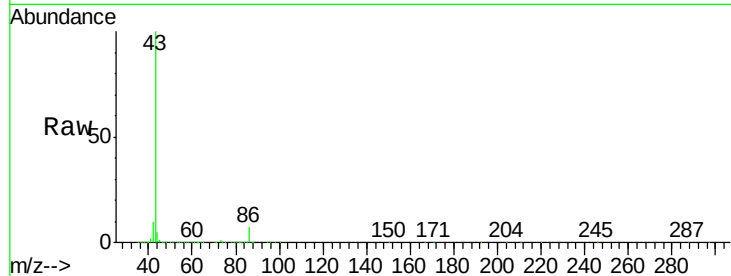
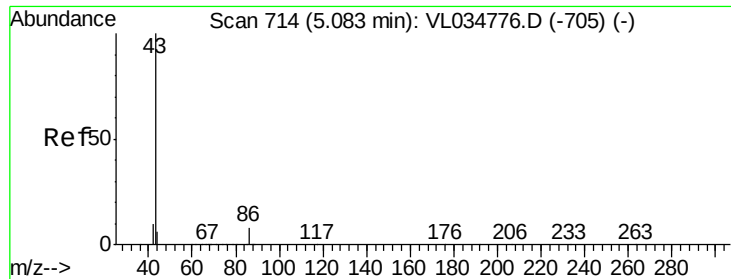
apatel
3/4/2020 4:45:26 PM



#22
trans-1,2-Dichloroethene
Concen: 9.599 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	135.2	202.8
98	66.1	50.8	76.2





#23

Vinyl Acetate

Concen: 10.189 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Tot Ion: 43 Resp: 1793254

Ion Ratio Lower Upper

43 100

86 7.0 5.9 8.9

42 10.1 8.2 12.2

44 5.2 4.5 6.7

Instrument :

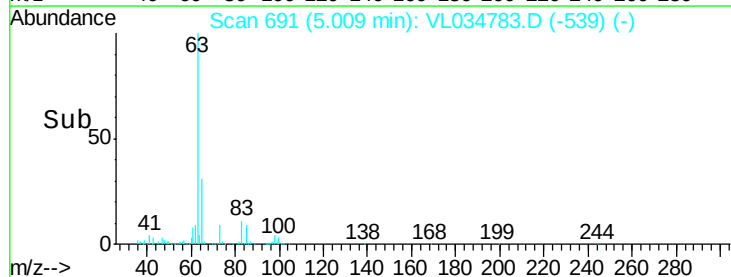
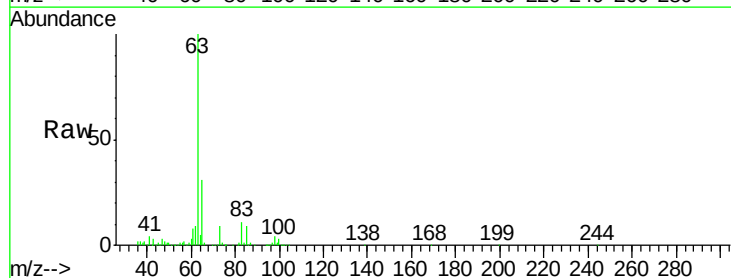
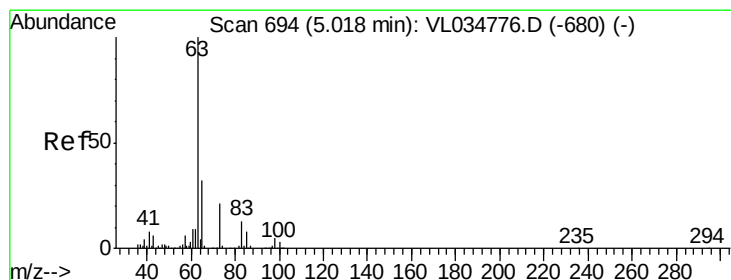
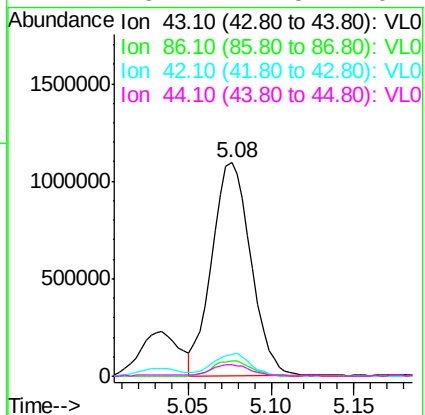
MSVOA_L

ClientSampleId :

ICVVL030420

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.382 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

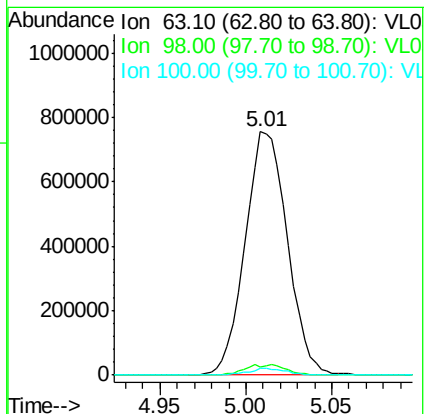
Tgt Ion: 63 Resp: 1281586

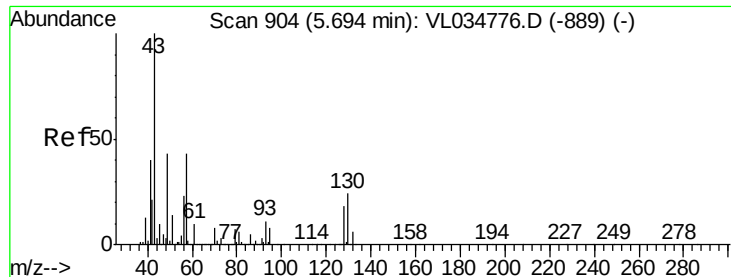
Ion Ratio Lower Upper

63 100

98 3.5 2.3 6.8

100 2.9 1.5 4.4





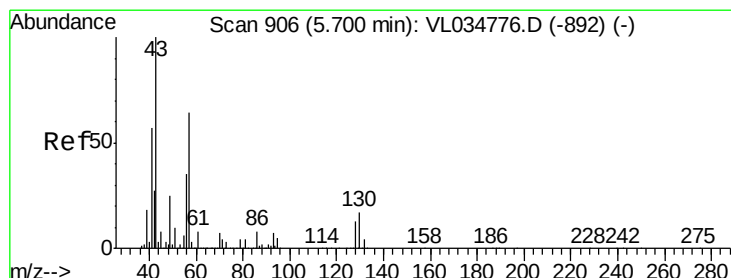
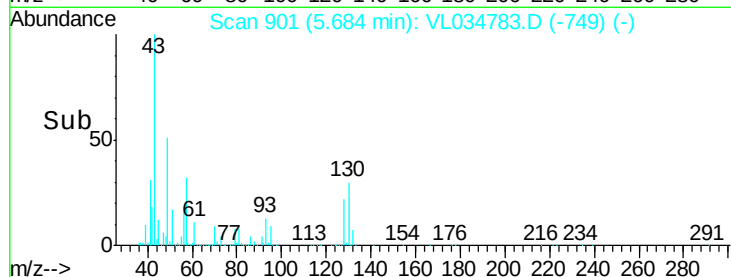
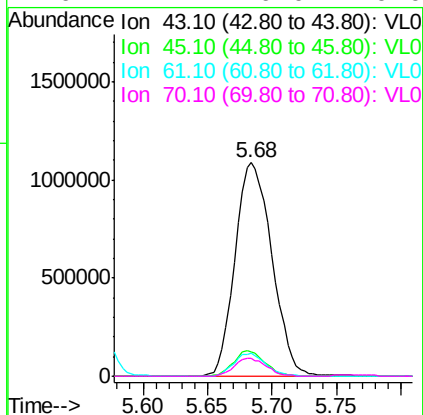
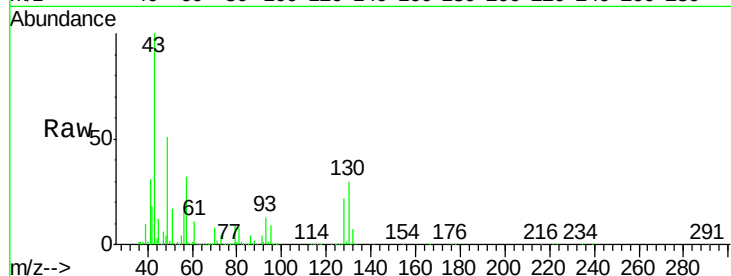
#25
Ethyl Acetate
Concen: 9.540 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.2	8.2	12.4	
61	9.4	7.5	11.3	
70	7.4	6.0	9.0	

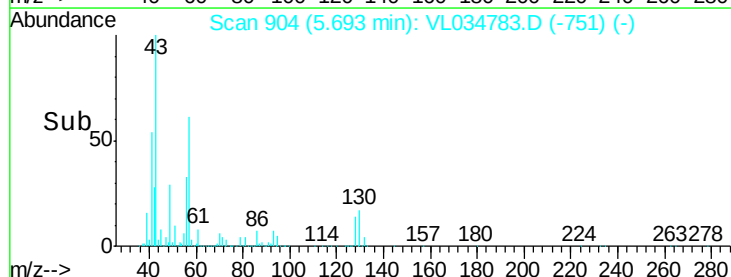
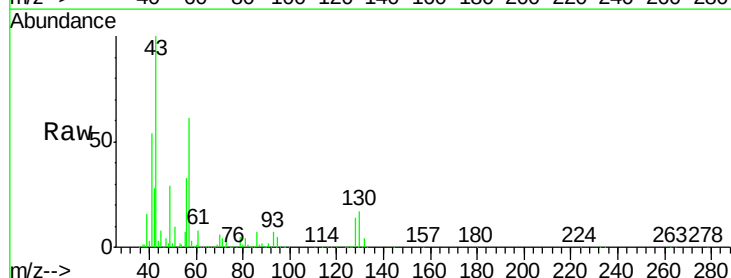
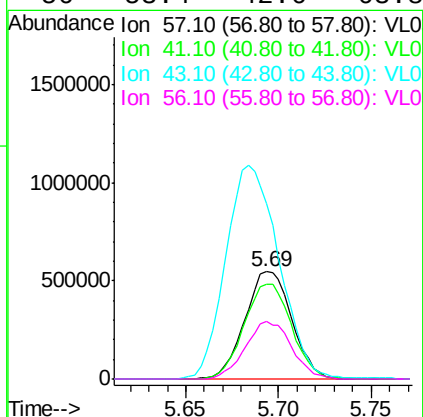
Manual Integrations
APPROVED

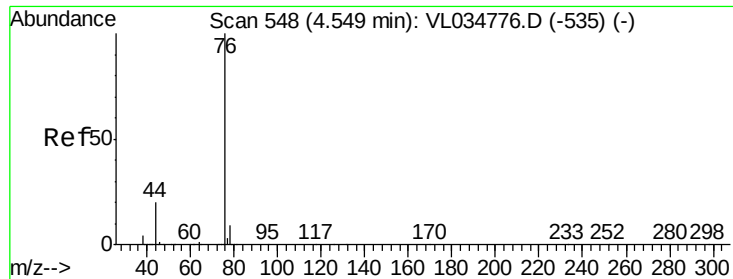
apatel
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#26
Hexane
Concen: 9.671 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.7	72.0	108.0	
43	226.0	179.1	268.7	
56	53.4	42.6	63.8	





#27

Carbon Disulfide

Concen: 10.321 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 76 Resp: 1194725

Ion Ratio Lower Upper

76 100

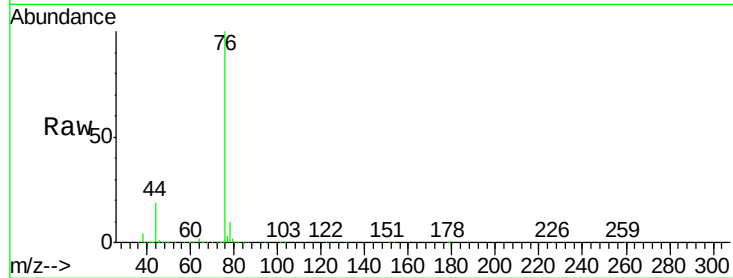
44 20.4 16.1 24.1

78 9.3 7.5 11.3

Manual Integrations
APPROVED

apatel

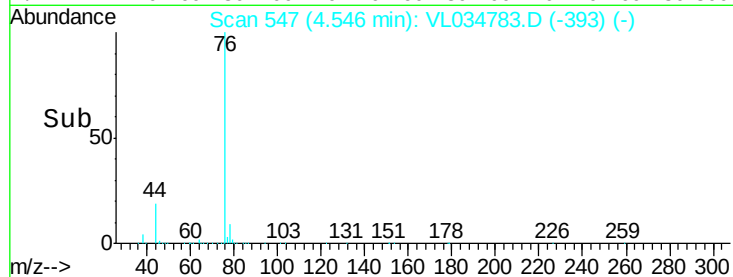
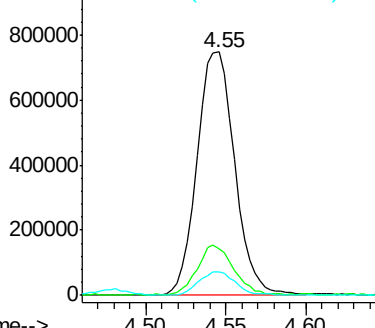
3/4/2020 4:45:26 PM



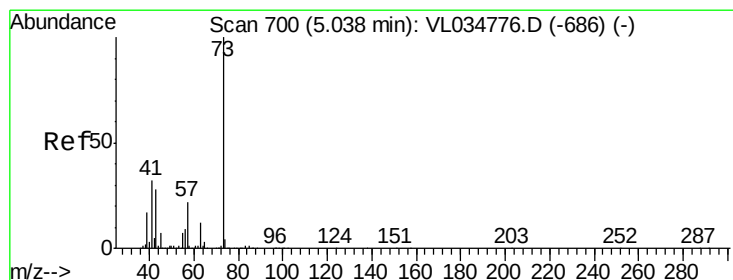
Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 9.642 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL034783.D

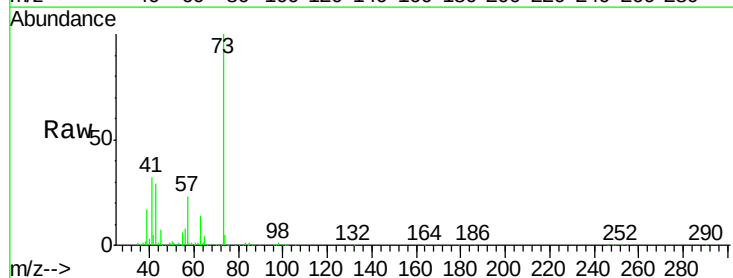
Acq: 4 Mar 2020 5:54

Tgt Ion: 73 Resp: 1422075

Ion Ratio Lower Upper

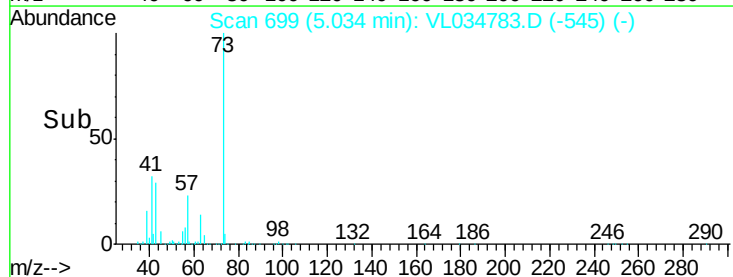
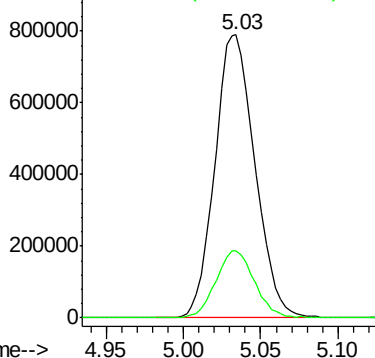
73 100

57 23.1 18.5 27.7

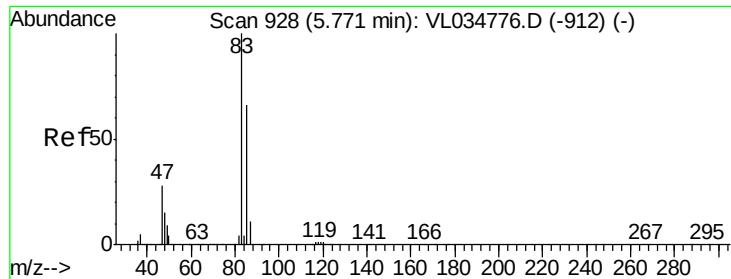


Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time-->



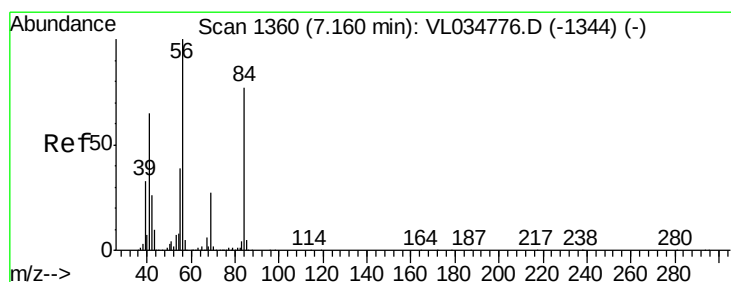
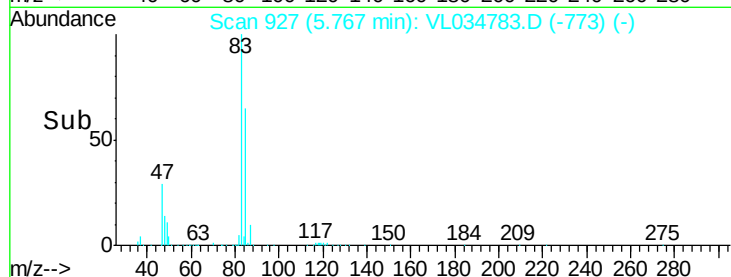
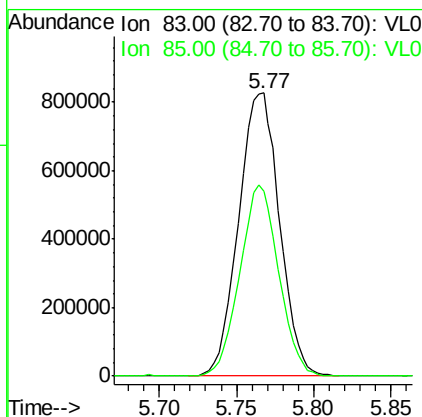
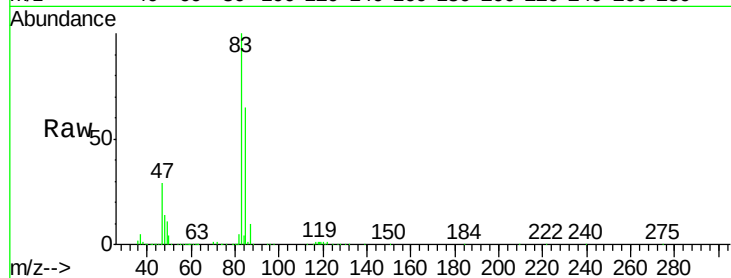
#29
Chloroform
Concen: 9.126 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion: 83 Resp: 1522135
Ion Ratio Lower Upper
83 100
85 65.1 53.0 79.4

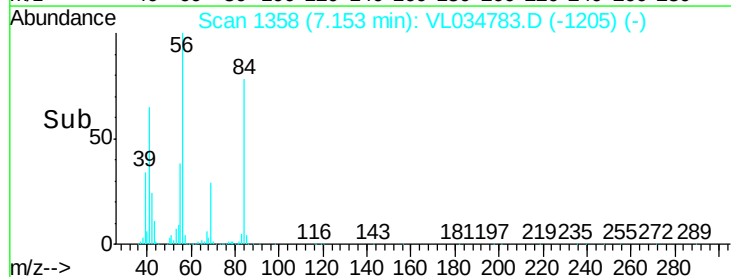
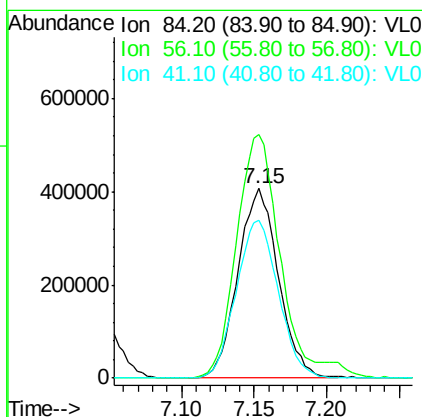
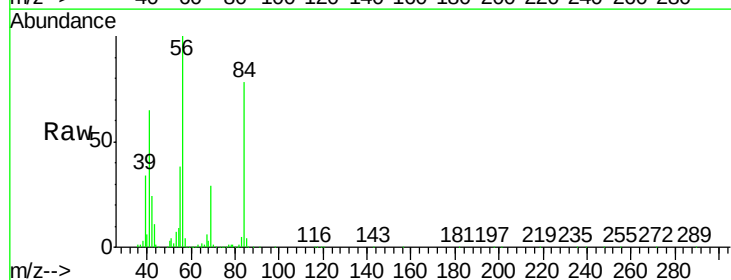
Manual Integrations
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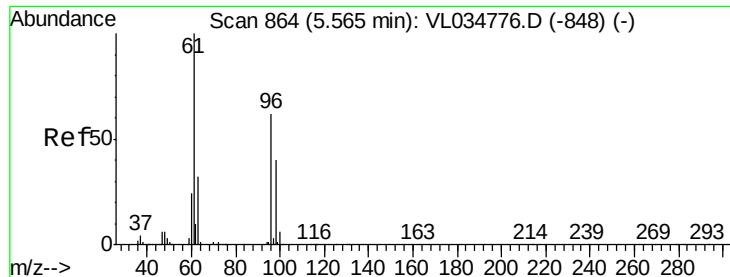
apatel
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#30
Cyclohexane
Concen: 10.443 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion: 84 Resp: 791618
Ion Ratio Lower Upper
84 100
56 140.3 113.2 169.8
41 86.3 70.2 105.4





#31

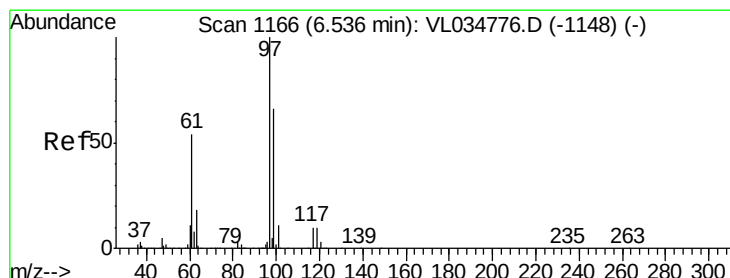
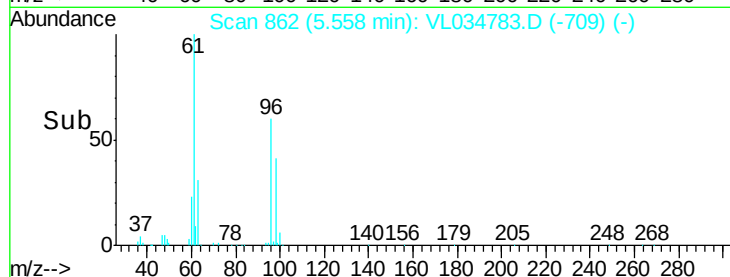
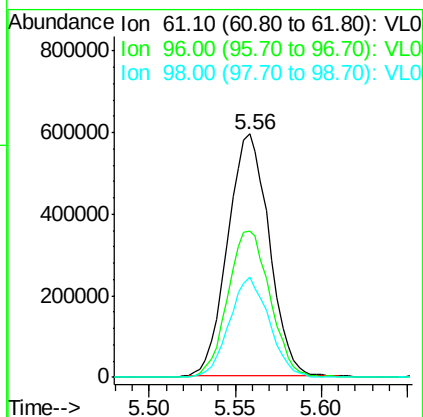
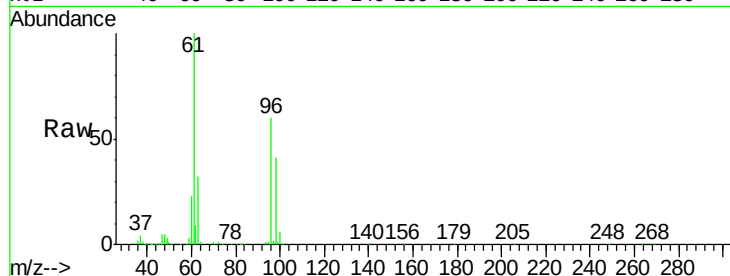
cis-1,2-Dichloroethene
Concen: 9.794 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.1	49.7	74.5
98	41.3	31.9	47.9

Manual Integrations
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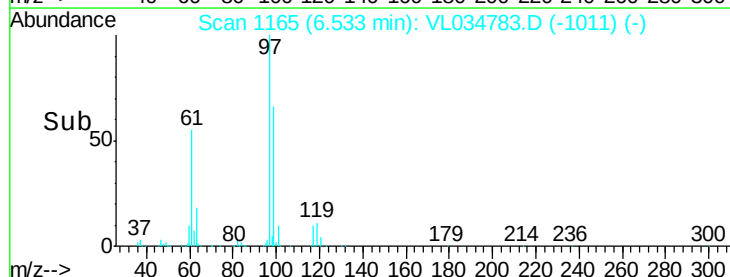
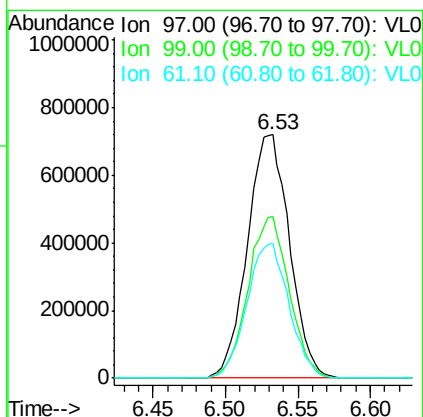
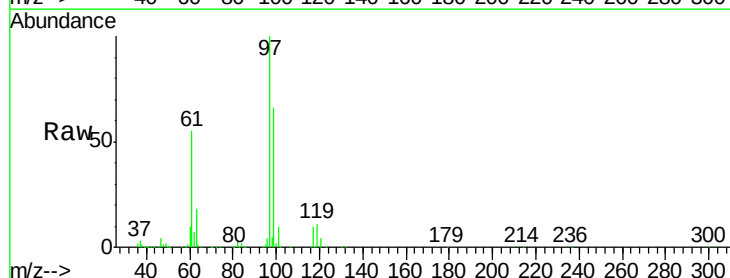
apatel
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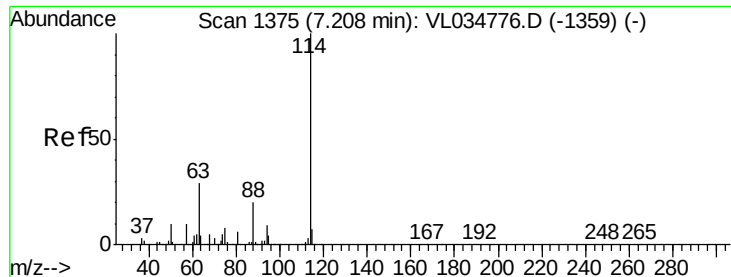


#32

1,1,1-Trichloroethane
Concen: 8.833 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	55.2	43.4	65.0





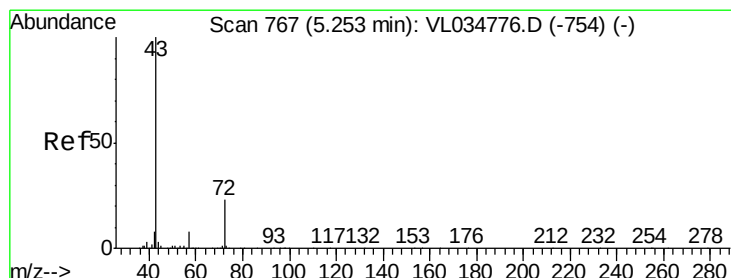
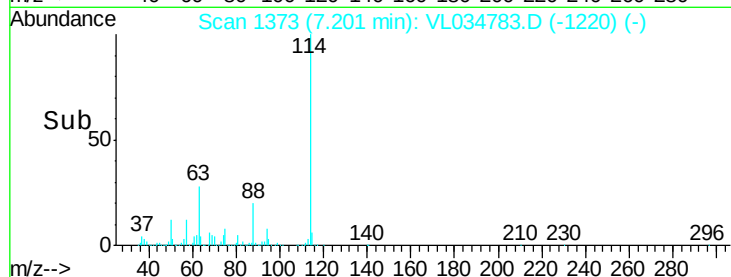
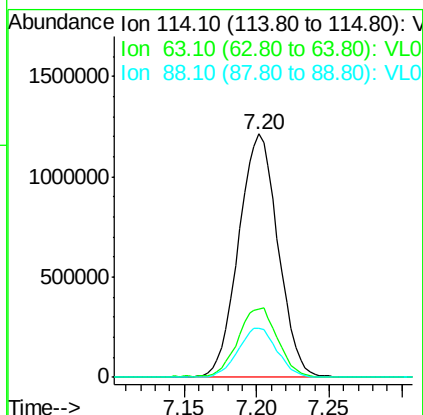
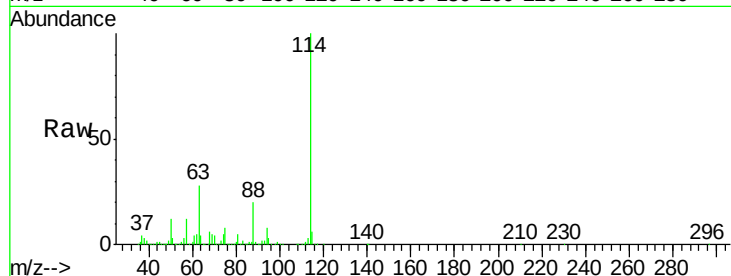
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.4	23.6	35.4
88	20.0	15.8	23.8

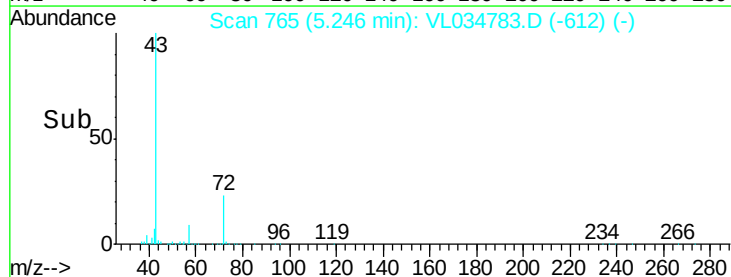
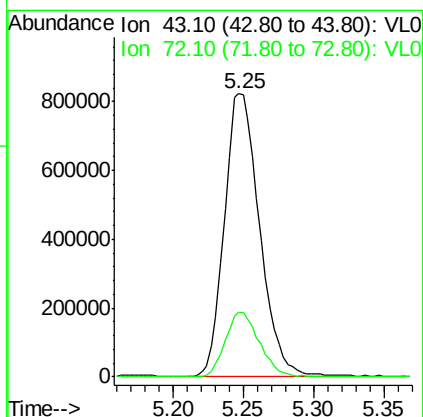
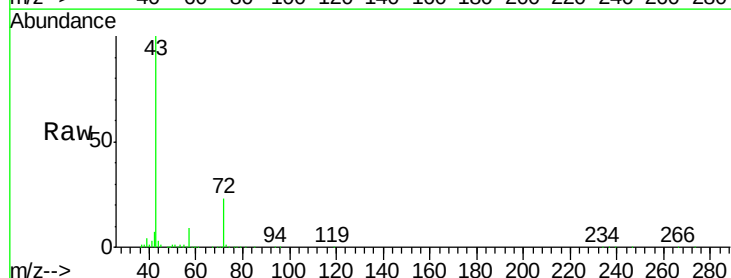
Manual Integrations
 APPROVED

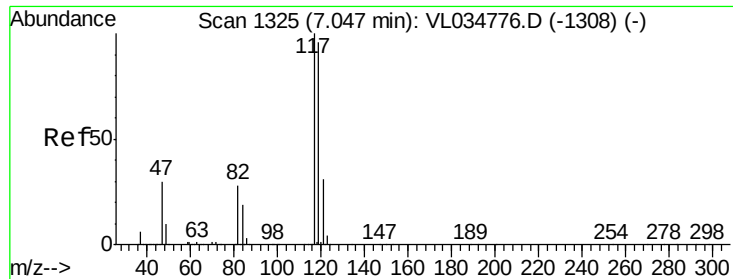
apatel
 3/4/2020 4:45:26 PM



#34
 2-Butanone
 Concen: 9.584 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.5	26.3





#35

Carbon Tetrachloride

Concen: 8.800 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 117 Resp: 1525331

Ion Ratio Lower Upper

117 100

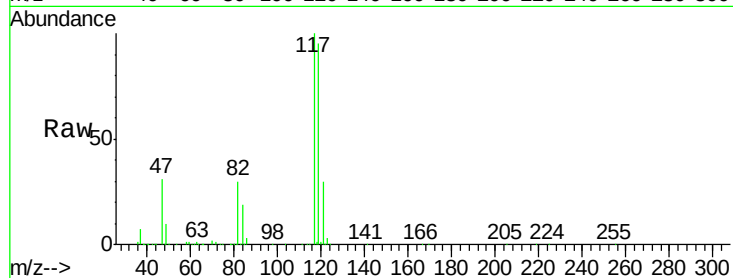
119 95.0 76.8 115.2

121 30.0 24.6 37.0

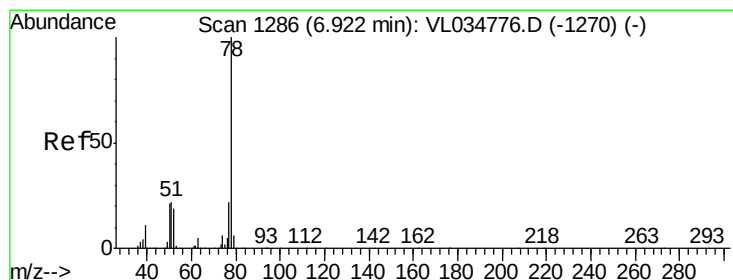
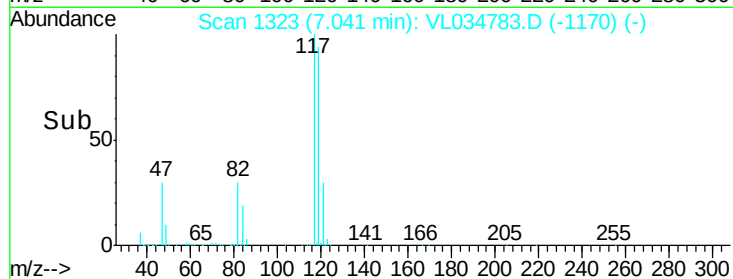
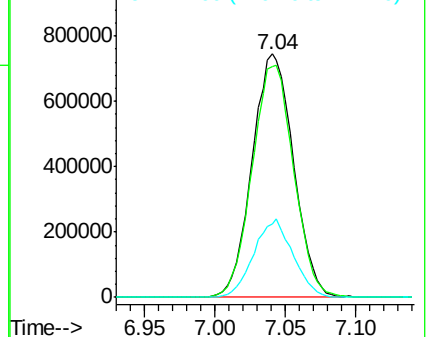
Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.677 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

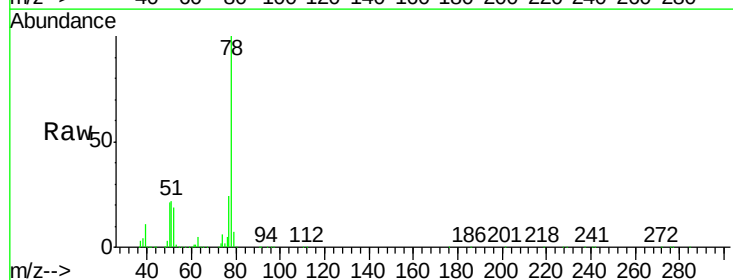
Tgt Ion: 78 Resp: 1899532

Ion Ratio Lower Upper

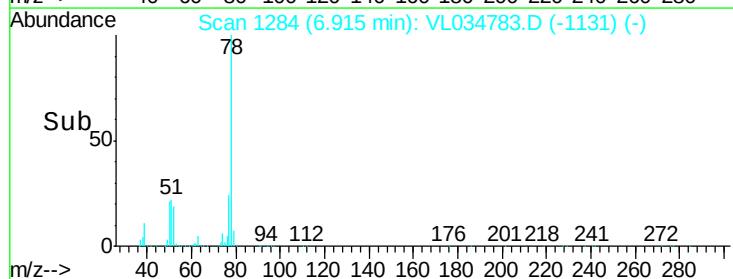
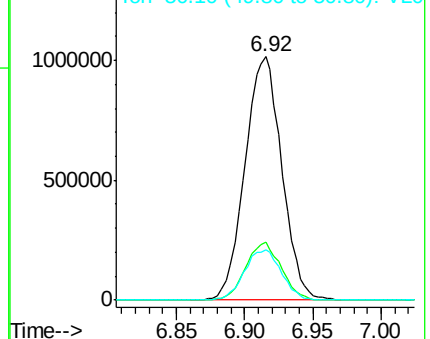
78 100

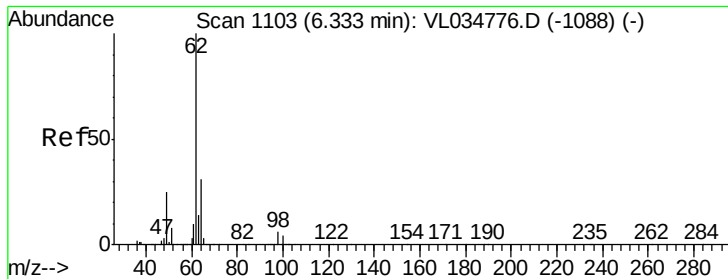
77 23.8 18.0 27.0

50 20.5 16.9 25.3



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





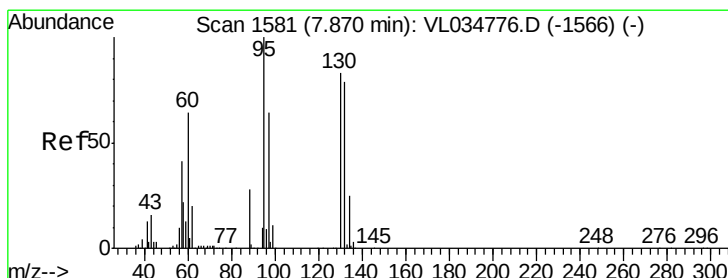
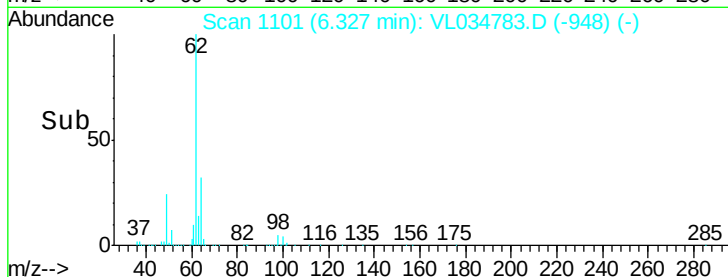
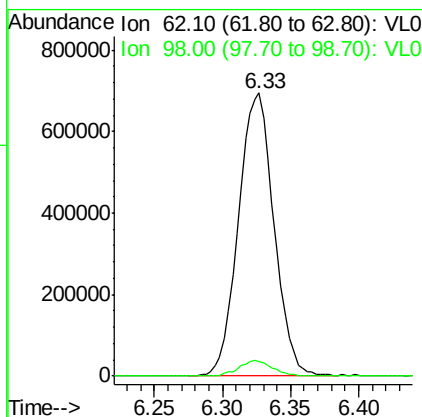
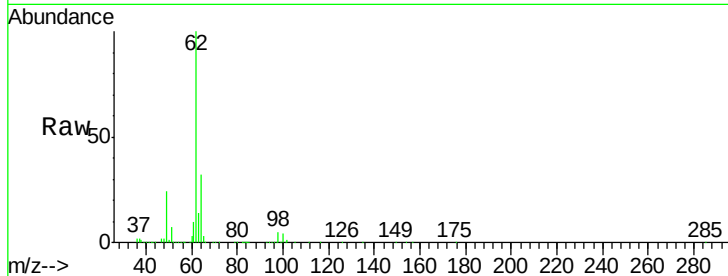
#37
 1,2-Dichloroethane
 Concen: 9.354 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.4	6.6

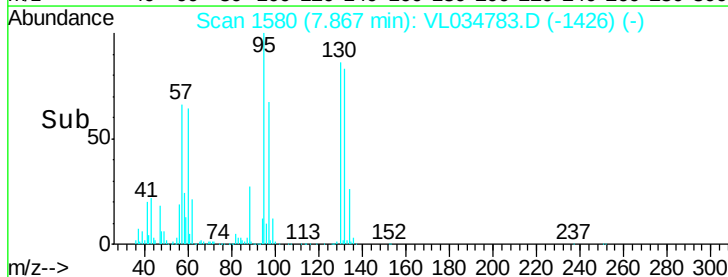
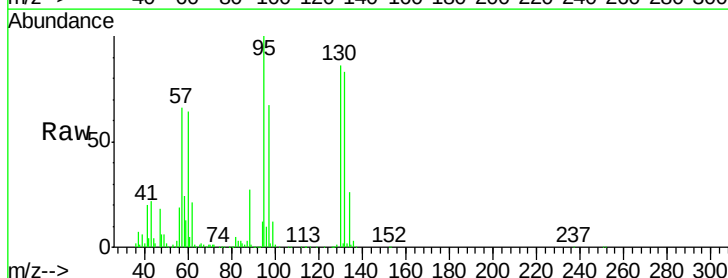
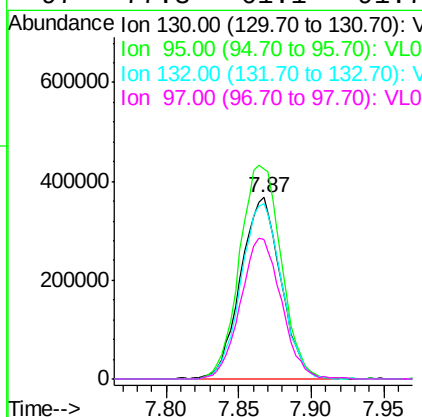
Manual Integrations
 APPROVED

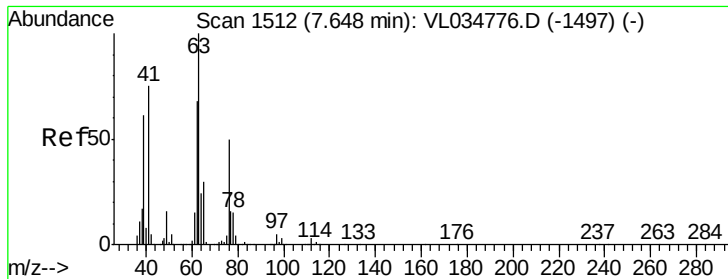
apatel
 3/4/2020 4:45:26 PM



#38
 Trichloroethene
 Concen: 9.214 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.0	95.8	143.8
132	96.5	76.1	114.1
97	77.3	61.1	91.7





#39

1,2-Dichloropropane

Concen: 9.525 ppbv

RT: 7.65 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

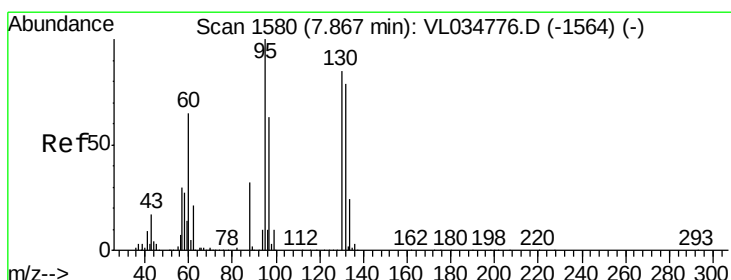
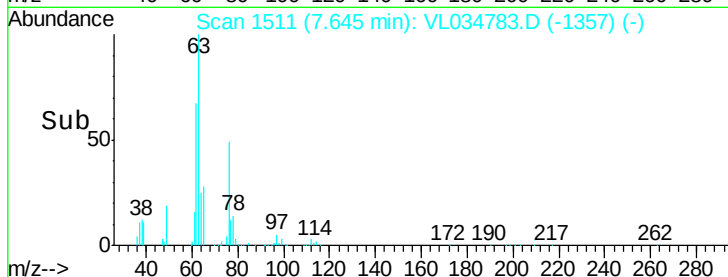
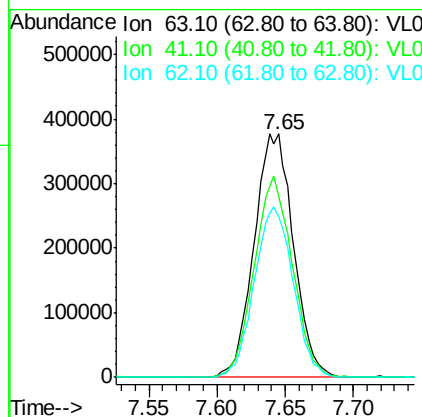
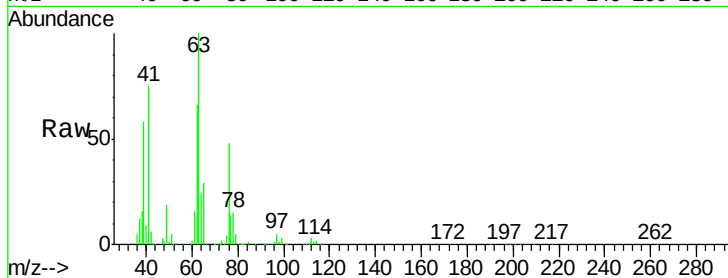
ClientSampleId :

ICVVL030420

Tot Ion:	63	Resp:	754482
Ion Ratio	Lower	Upper	
63	100		
41	74.3	60.3	90.5
62	66.1	54.5	81.7

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#40

1,4-Dioxane

Concen: 10.776 ppbv

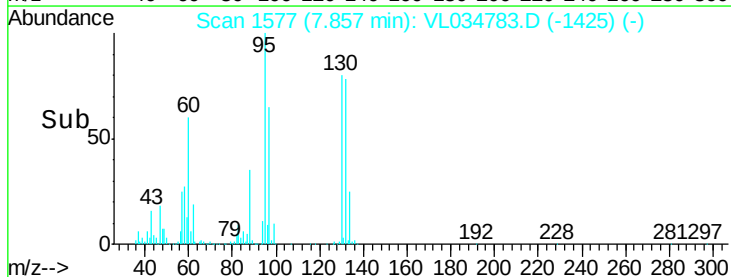
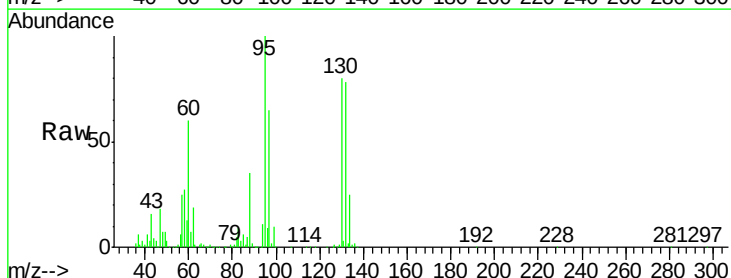
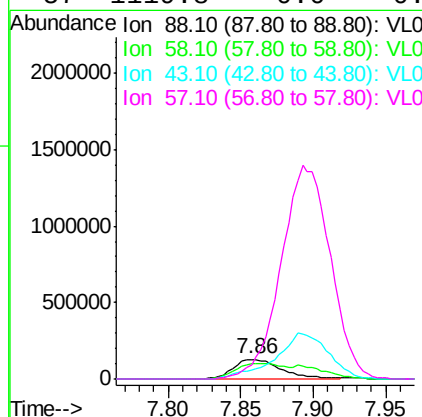
RT: 7.86 min Scan# 1577

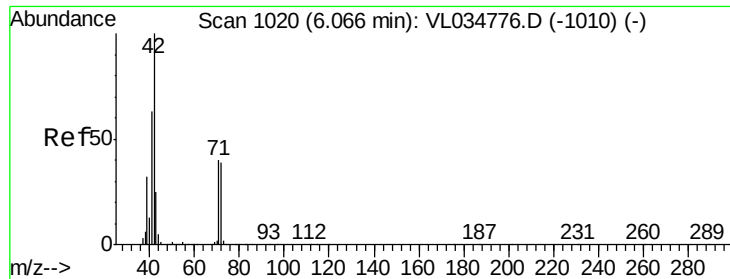
Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Tgt Ion:	88	Resp:	295253
Ion Ratio	Lower	Upper	
88	100		
58	129.3	110.6	166.0
43	260.0	0.0	0.0#
57	1119.8	0.0	0.0#





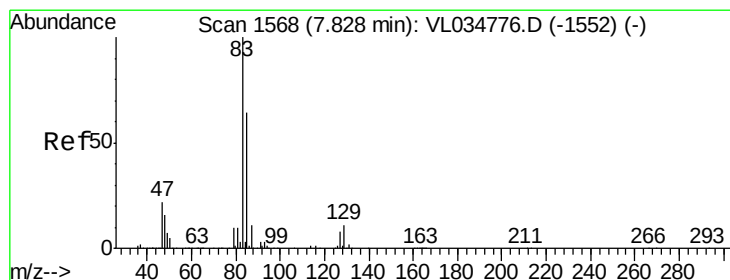
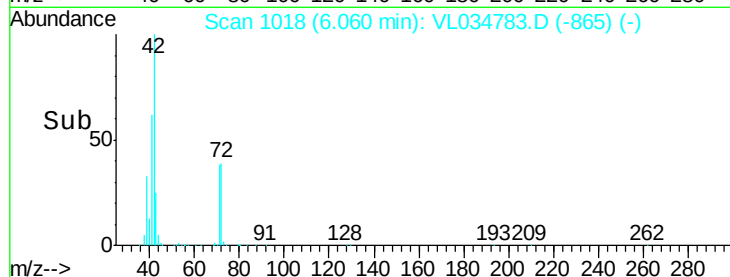
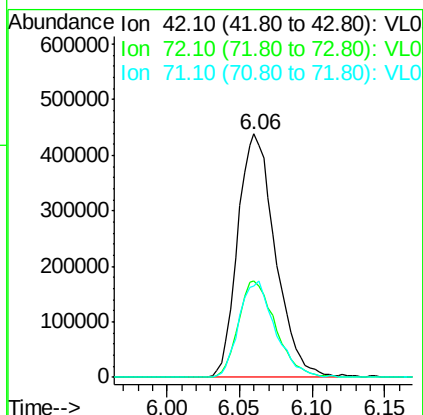
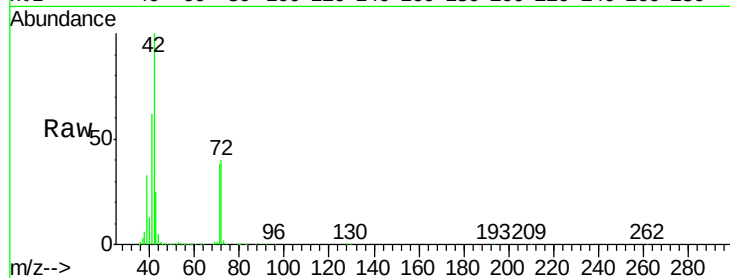
#41
Tetrahydrofuran
Concen: 10.382 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.0	48.0
71	38.3	31.3	46.9

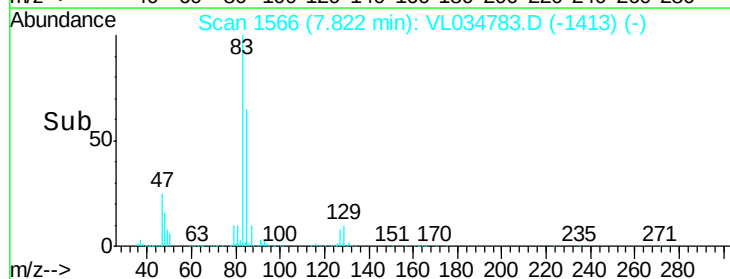
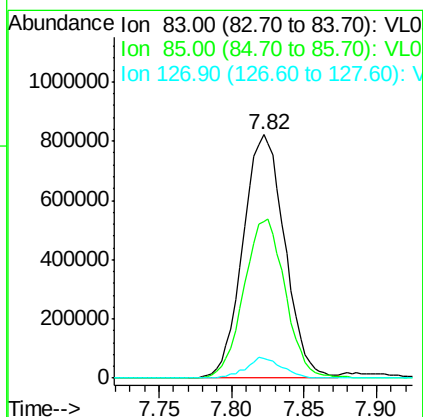
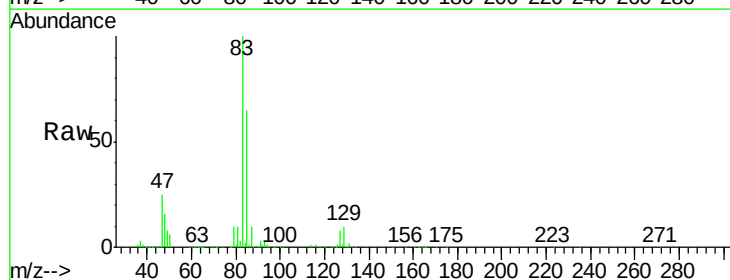
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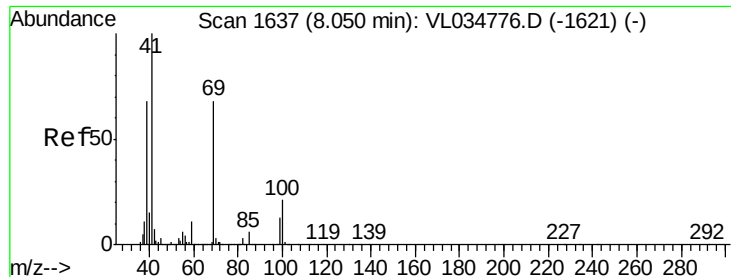
apatel
3/4/2020 4:45:26 PM



#42
Bromodichloromethane
Concen: 9.733 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.8	76.2
127	7.8	6.5	9.7





#43

Methyl Methacrylate

Concen: 10.398 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

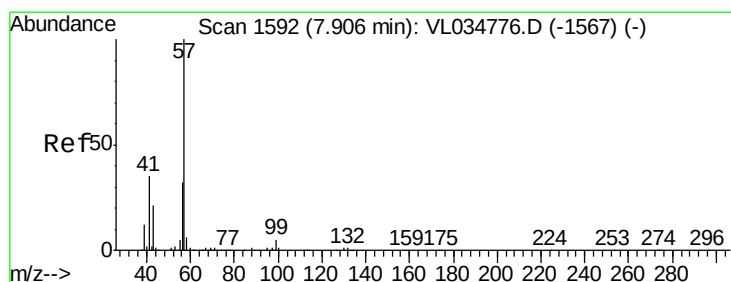
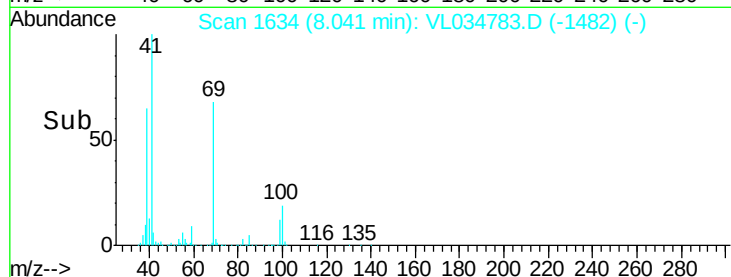
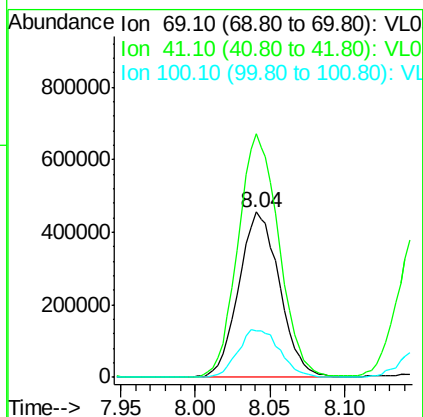
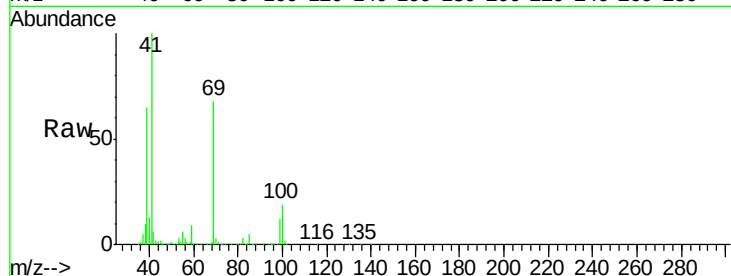
ClientSampleId :

ICVVL030420

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.8	121.6	182.4	
100	29.8	23.8	35.8	

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.620 ppbv

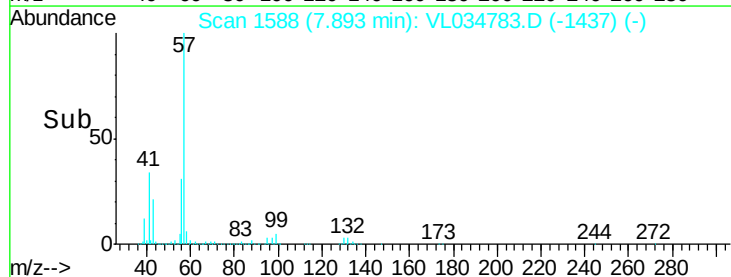
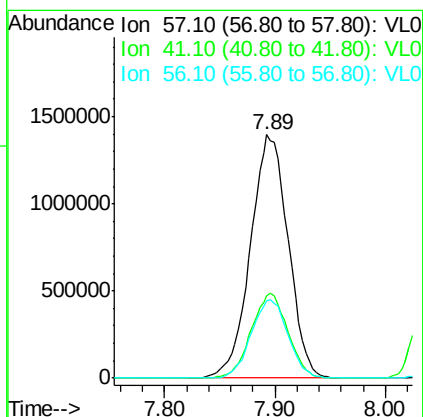
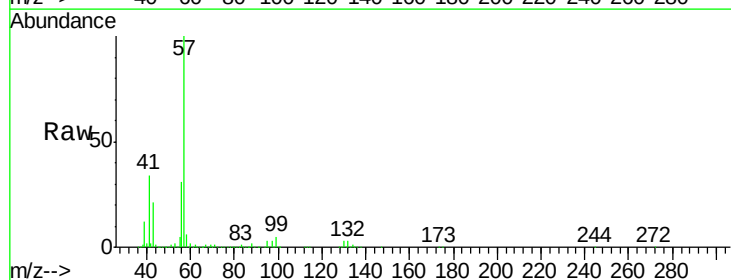
RT: 7.89 min Scan# 1588

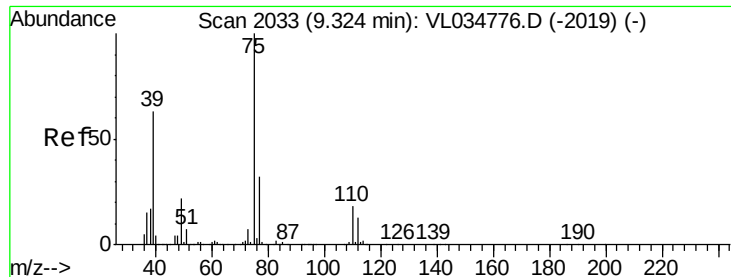
Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.7	27.4	41.0	
56	31.4	25.0	37.6	





#45

t-1,3-Dichloropropene

Concen: 11.934 ppbv

RT: 9.32 min Scan# 2031

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 75 Resp: 1042039

Ion Ratio Lower Upper

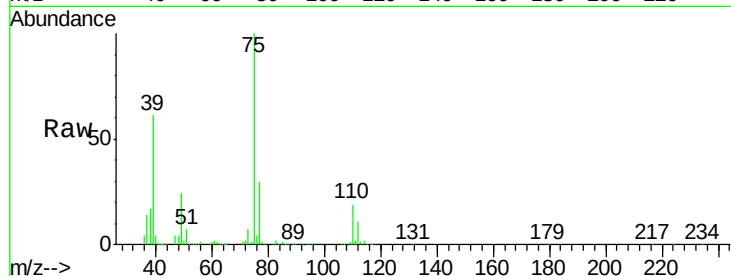
75 100

77 30.3 25.6 38.4

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.32

600000

500000

400000

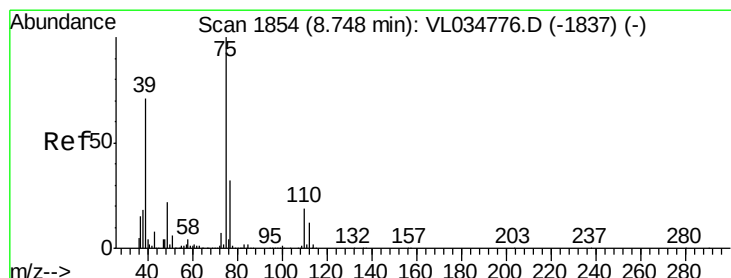
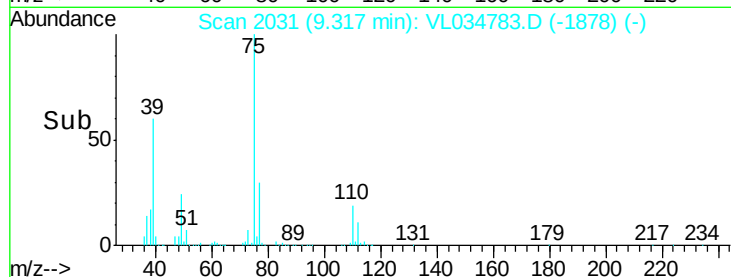
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.405 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

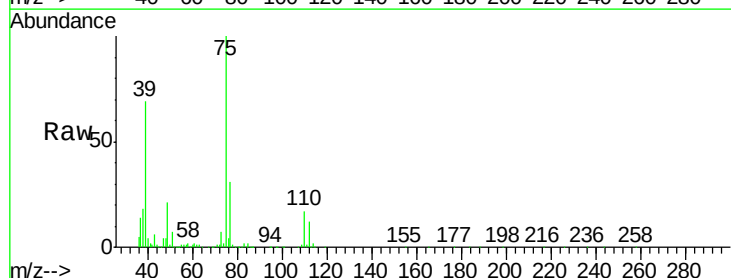
Tgt Ion: 75 Resp: 1216088

Ion Ratio Lower Upper

75 100

39 68.7 56.9 85.3

77 30.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

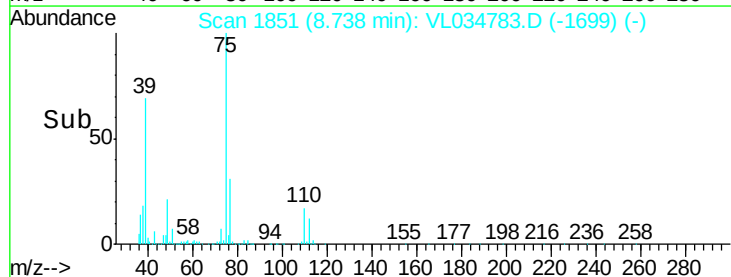
600000

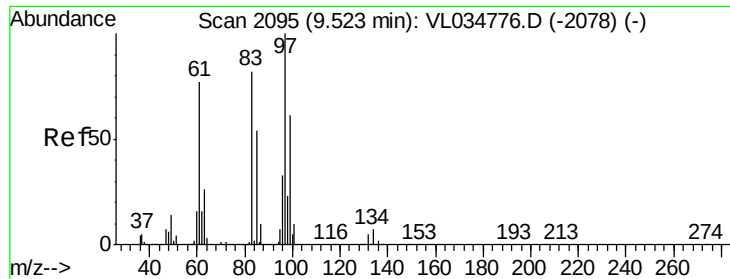
400000

200000

0

Time-->





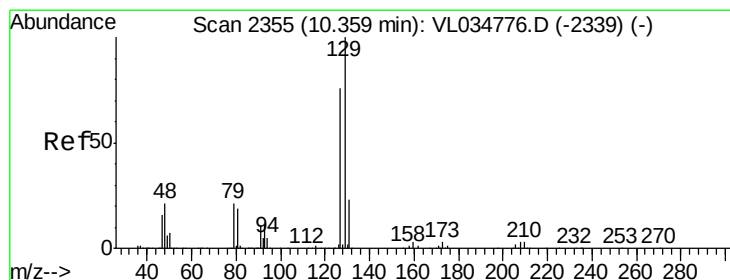
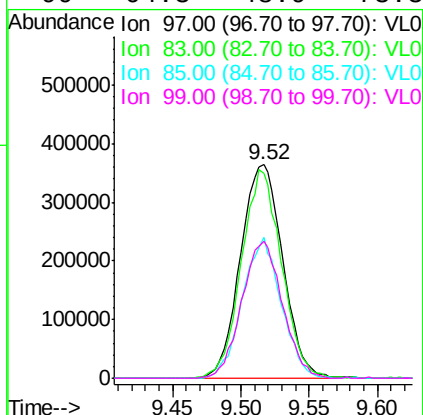
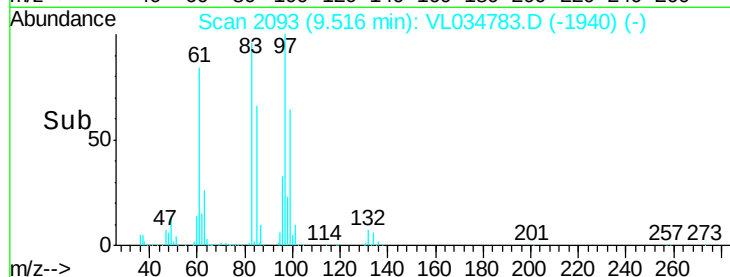
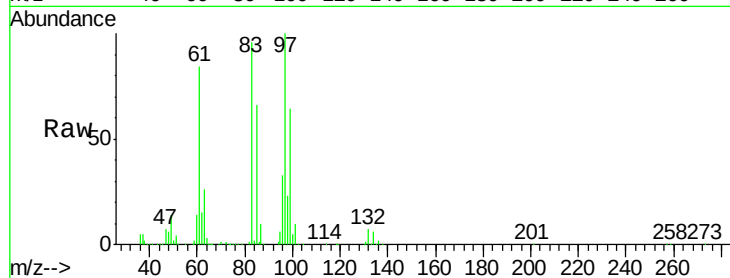
#47
 1,1,2-Trichloroethane
 Concen: 9.383 ppbv
 RT: 9.52 min Scan# 2093
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		784683		
83	96.1	65.2	97.8		
85	65.6	43.6	65.4#		
99	64.3	48.9	73.3		

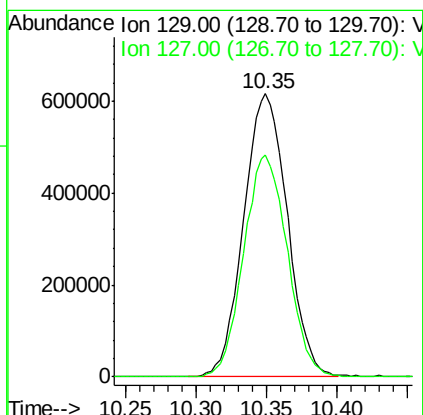
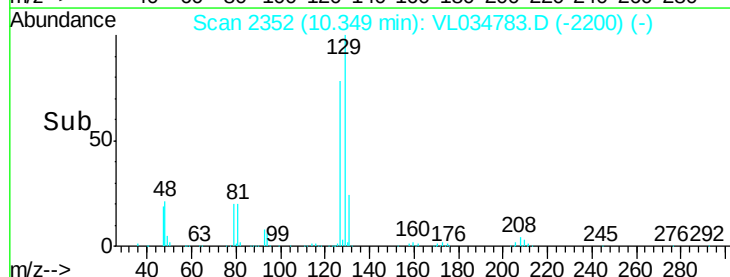
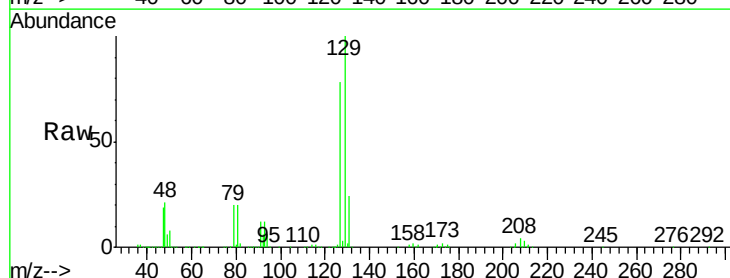
Manual Integrations
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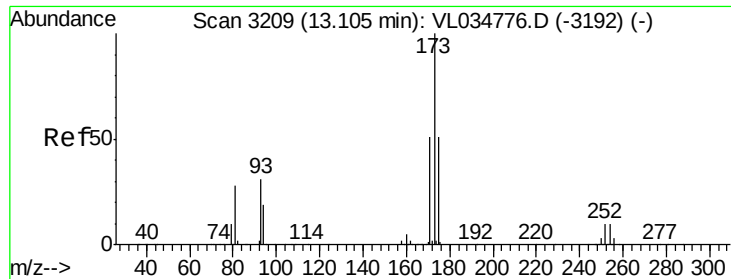
apatel
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#48
 Dibromochloromethane
 Concen: 10.187 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1332159		
127	78.4	39.0	117.0		





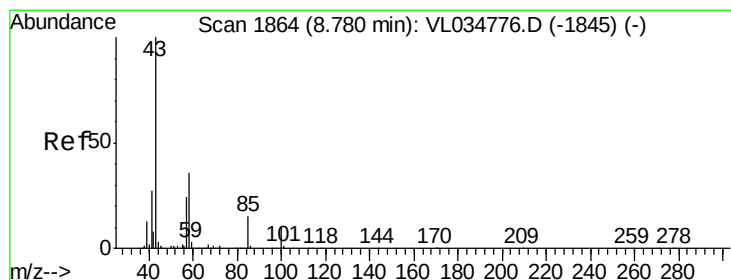
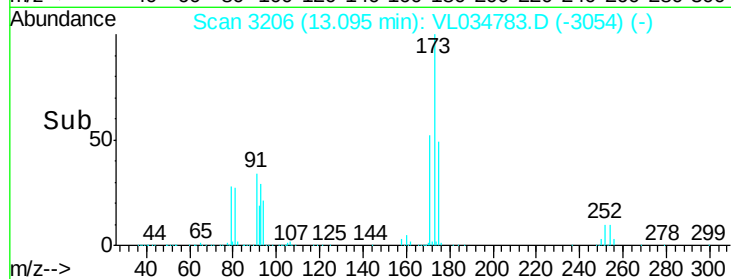
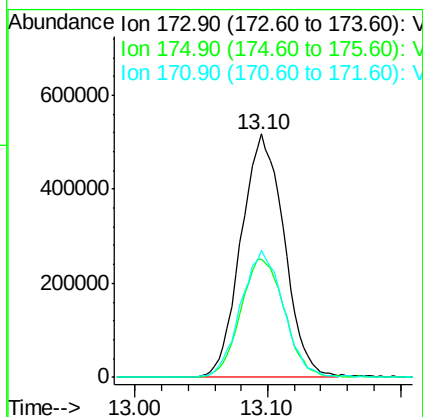
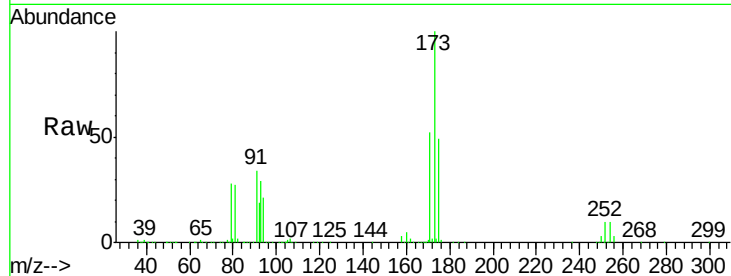
#49
Bromoform
Concen: 10.236 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion:173 Resp: 1168105
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.6
171 52.1 41.0 61.4

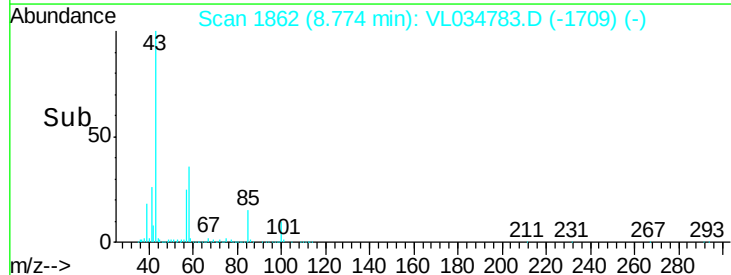
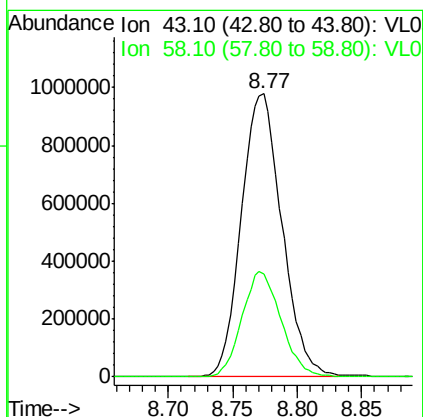
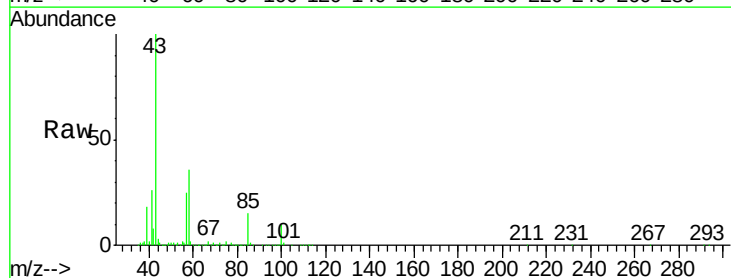
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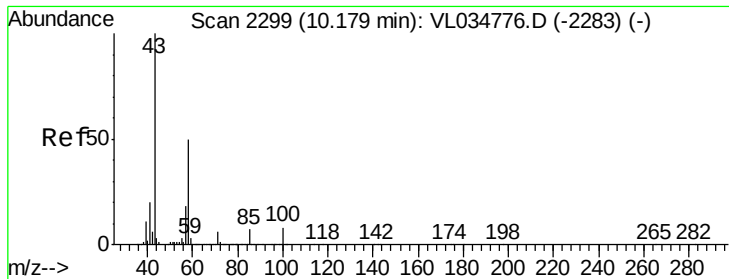
apatel
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#50
4-Methyl-2-Pentanone
Concen: 10.028 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion: 43 Resp: 2147294
Ion Ratio Lower Upper
43 100
58 36.0 28.7 43.1





#51

2-Hexanone

Concen: 10.658 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 43 Resp: 1790233

Ion Ratio Lower Upper

43 100

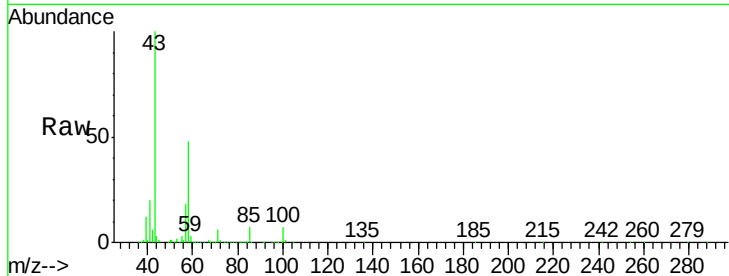
58 48.7 38.6 58.0

98 0.3 0.2 0.4

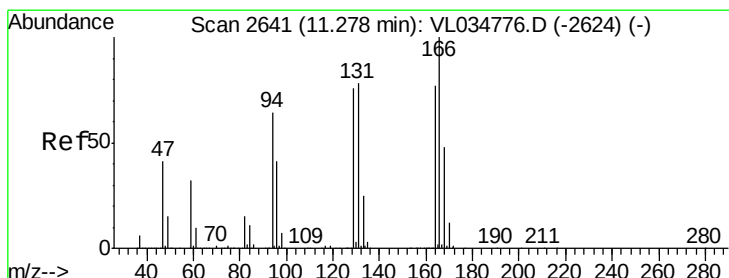
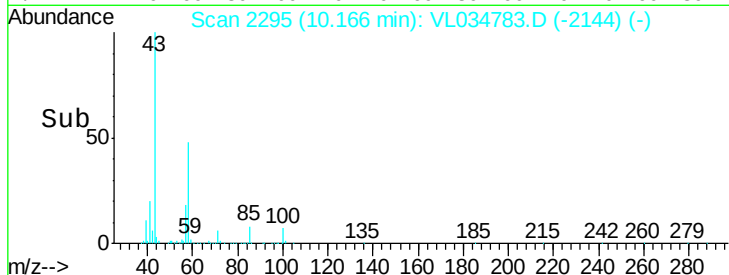
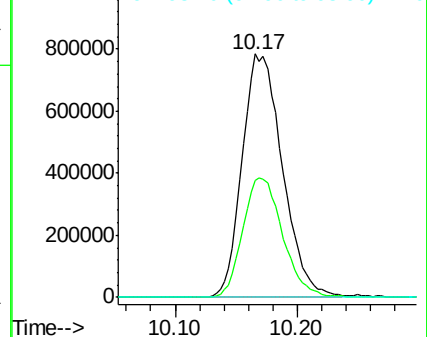
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.149 ppbv

RT: 11.27 min Scan# 2638

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Tgt Ion: 164 Resp: 663493

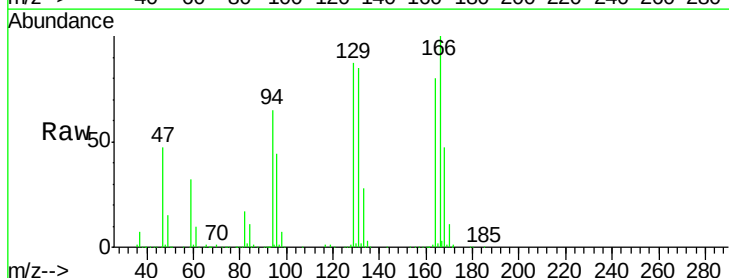
Ion Ratio Lower Upper

164 100

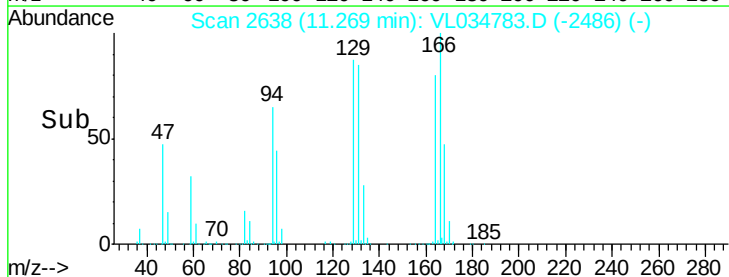
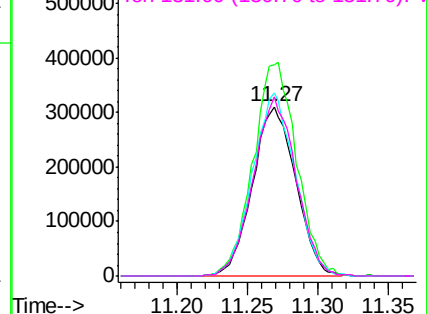
166 124.5 103.3 154.9

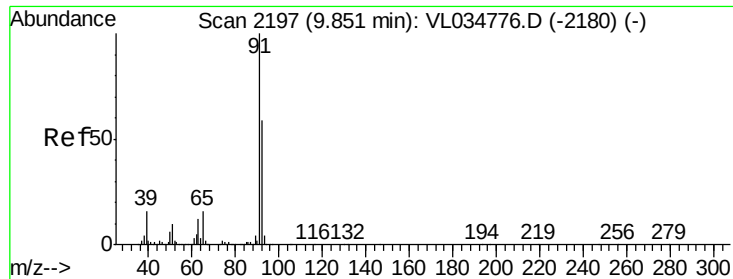
129 108.0 79.0 118.4

131 105.7 81.0 121.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.414 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 91 Resp: 2163384

Ion Ratio Lower Upper

91 100

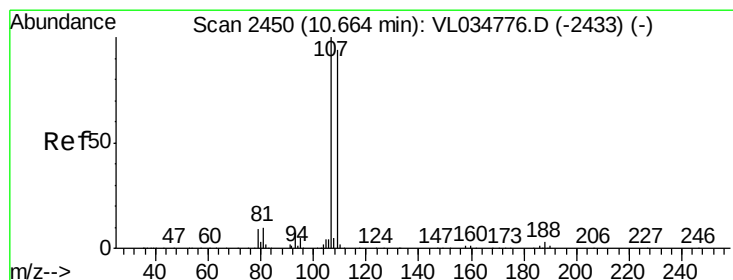
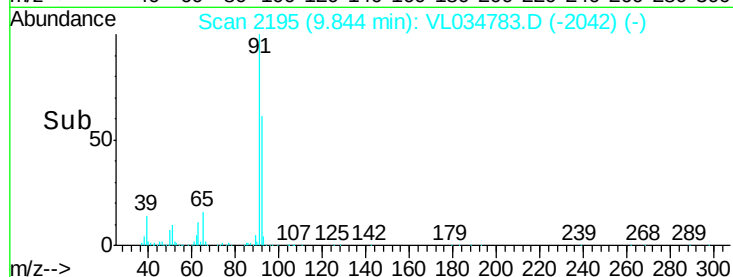
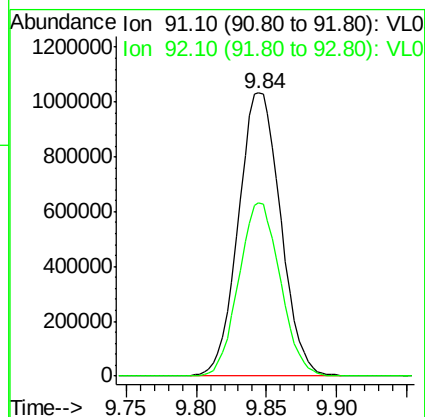
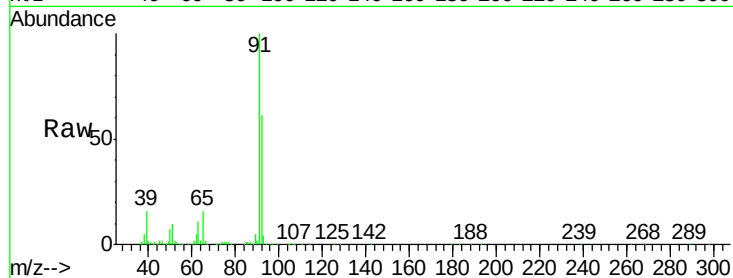
92 60.4 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.777 ppbv

RT: 10.66 min Scan# 2448

Delta R.T. -0.01 min

Lab File: VL034783.D

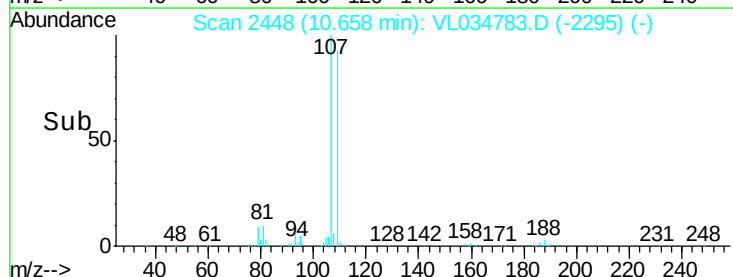
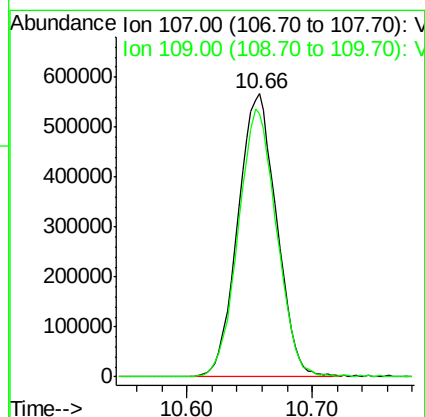
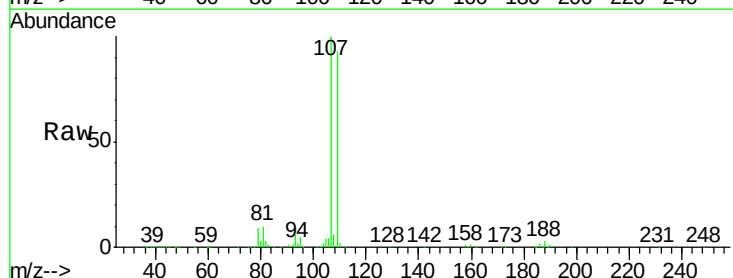
Acq: 4 Mar 2020 5:54

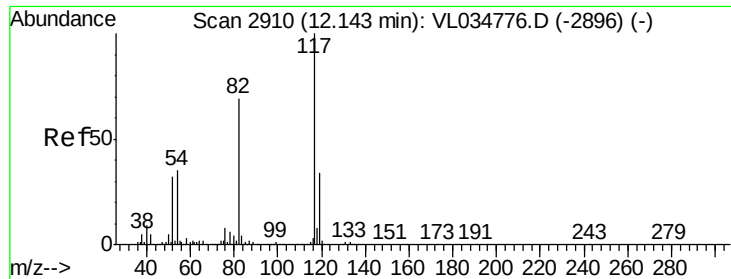
Tgt Ion: 107 Resp: 1209055

Ion Ratio Lower Upper

107 100

109 93.0 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion:117 Resp: 2360401

Ion Ratio Lower Upper

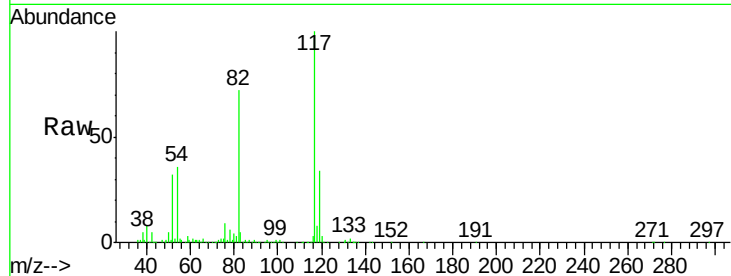
117 100

82 71.1 53.9 80.9

119 57.1 25.0 37.4#

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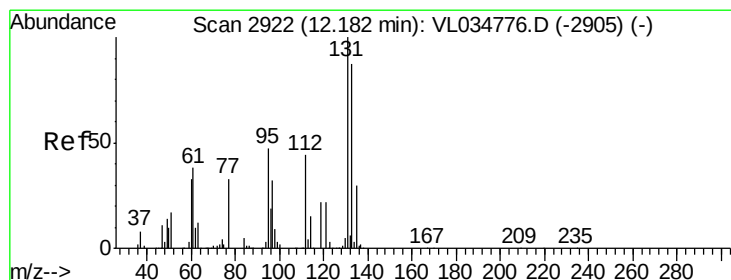
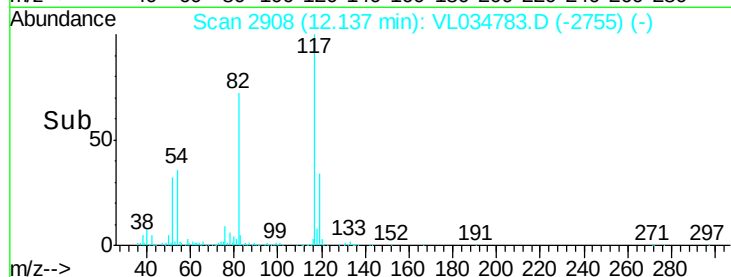
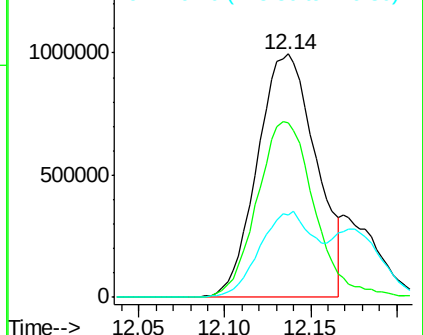
apatel
3/4/2020 4:45:26 PM



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: 8.988 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Tgt Ion:131 Resp: 940010

Ion Ratio Lower Upper

131 100

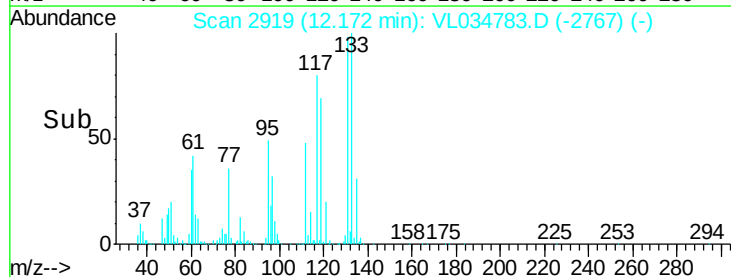
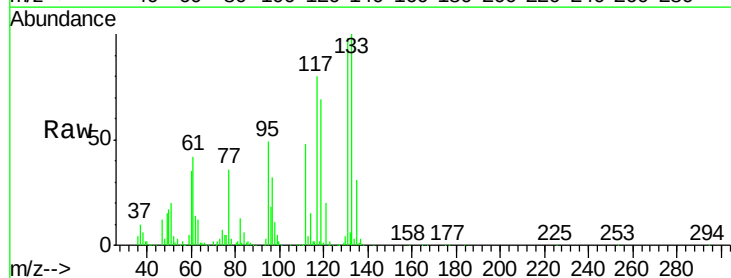
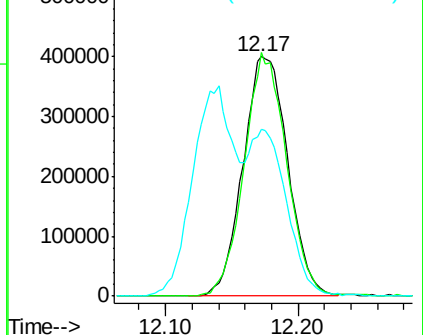
133 96.2 75.4 113.0

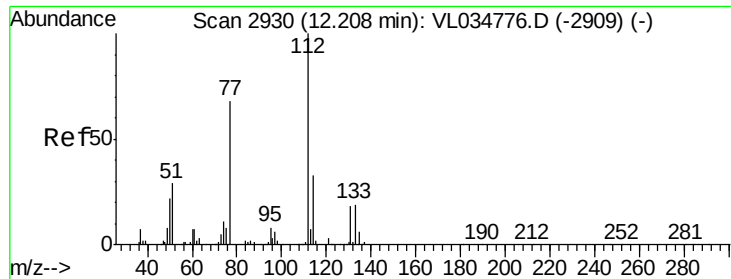
119 58.3 110.5 165.7#

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





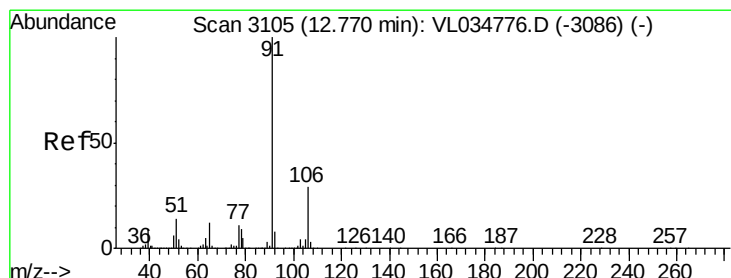
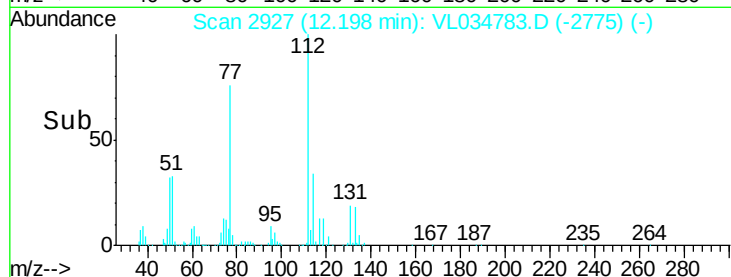
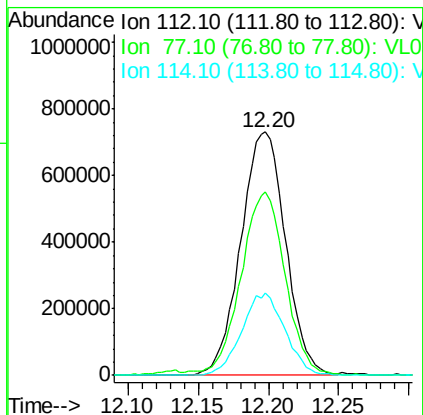
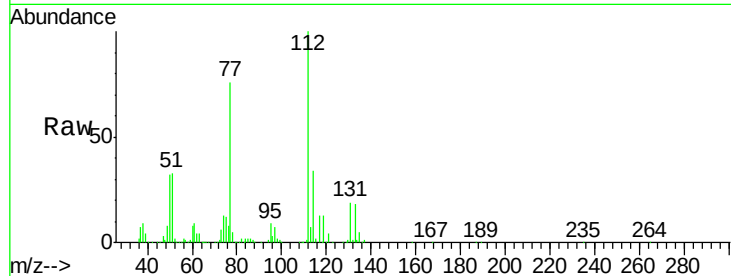
#57
Chlorobenzene
Concen: 8.952 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion	Ratio	Lower	Upper
112	100		
77	75.2	55.6	83.4
114	33.6	29.4	36.0

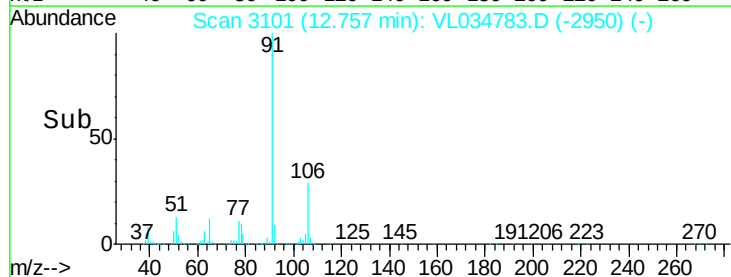
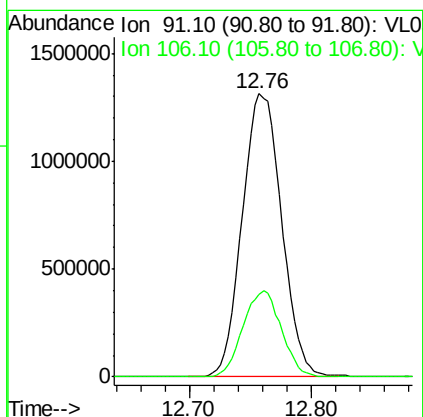
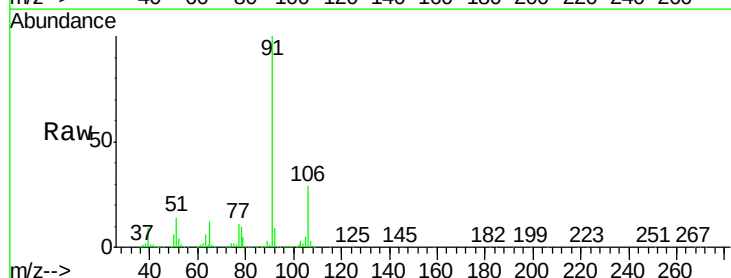
Manual Integrations
APPROVED

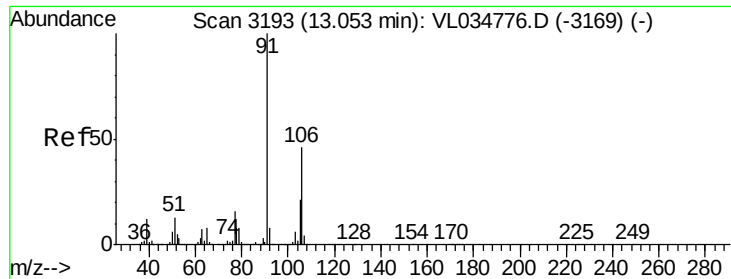
apatel
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#58
Ethyl Benzene
Concen: 10.075 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	22.8	34.2





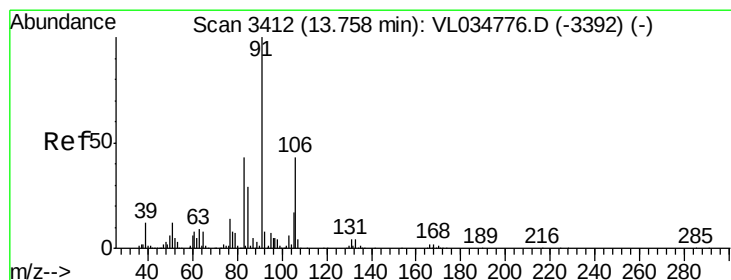
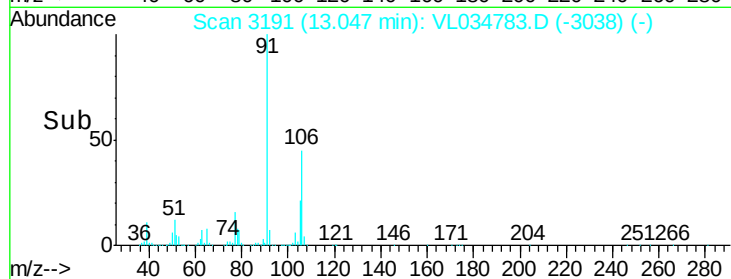
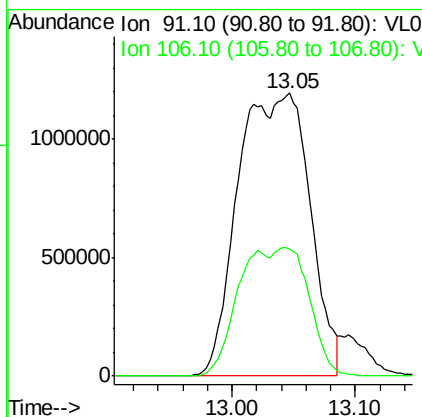
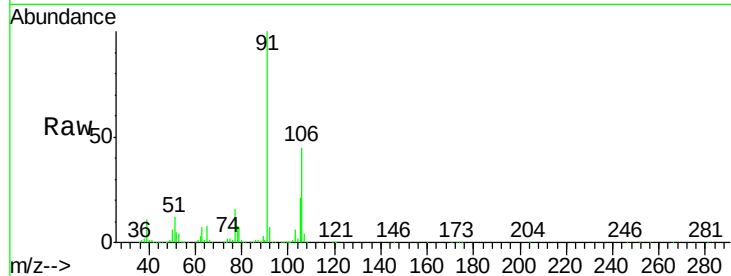
#59
m/p-Xylene
Concen: 19.225 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion: 91 Resp: 4840906
Ion Ratio Lower Upper
91 100
106 44.5 35.8 53.8

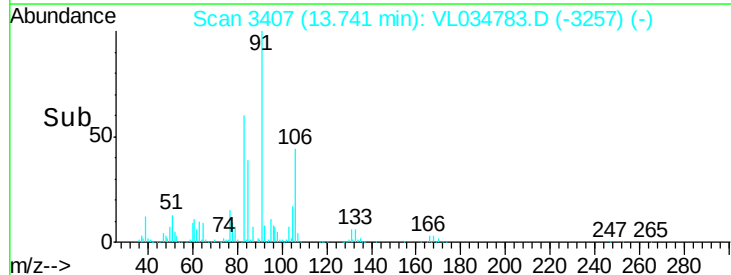
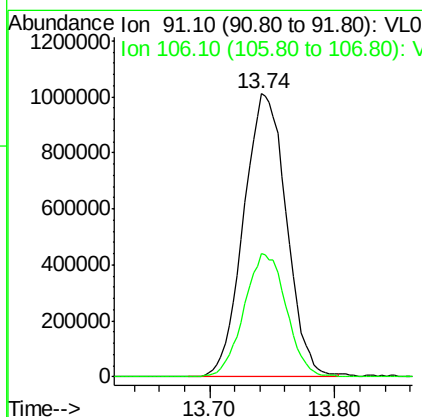
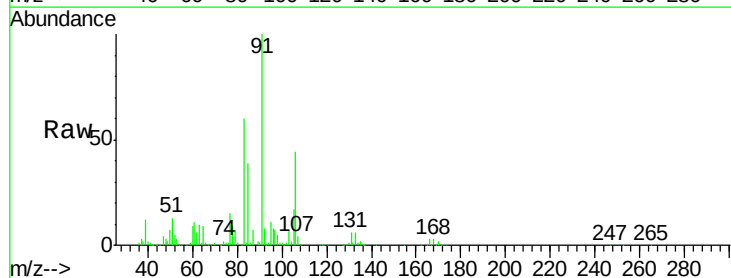
Manual Integrations
APPROVED

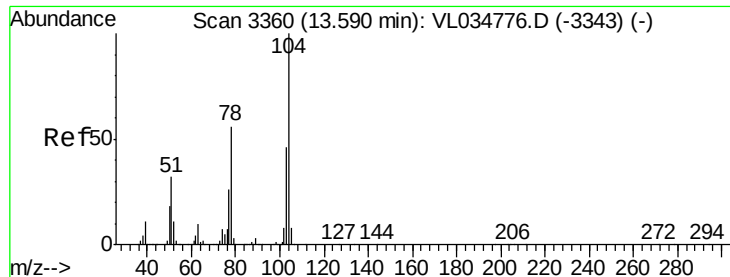
apatel
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#60
o-Xylene
Concen: 9.405 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.02 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion: 91 Resp: 2396058
Ion Ratio Lower Upper
91 100
106 43.2 21.7 65.1





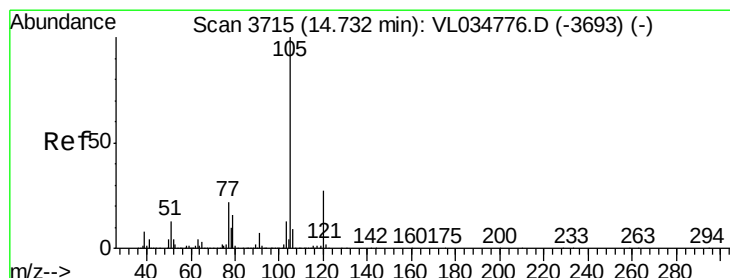
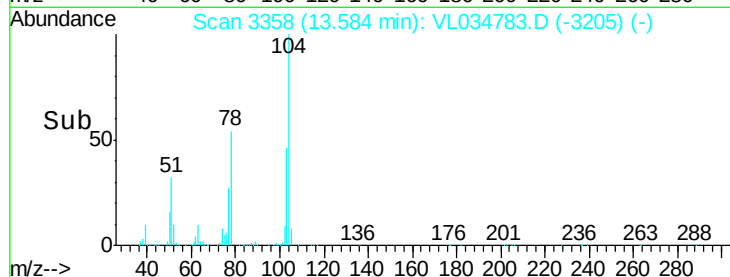
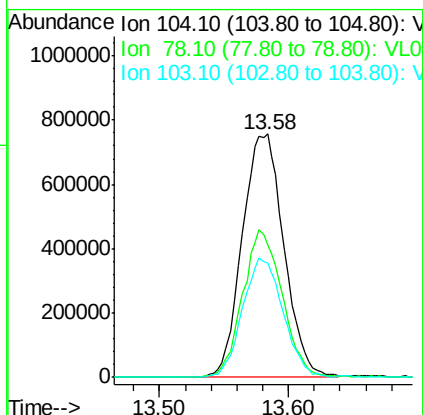
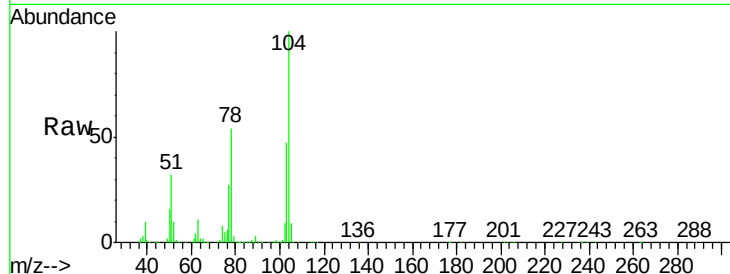
#61
Stvrene
Concen: 10.766 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion:104 Resp: 1701496
Ion Ratio Lower Upper
104 100
78 58.0 44.7 67.1
103 48.0 38.2 57.2

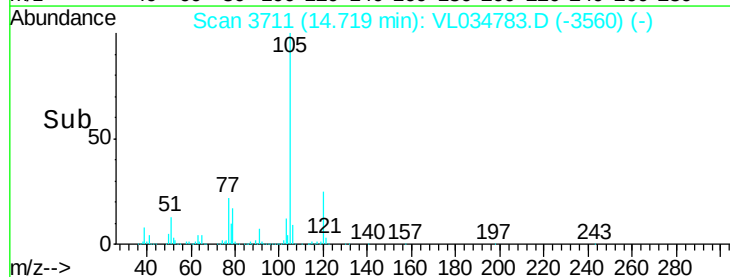
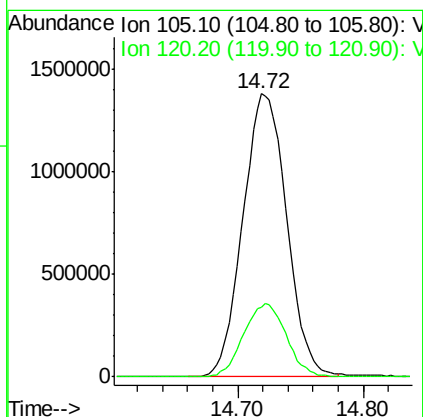
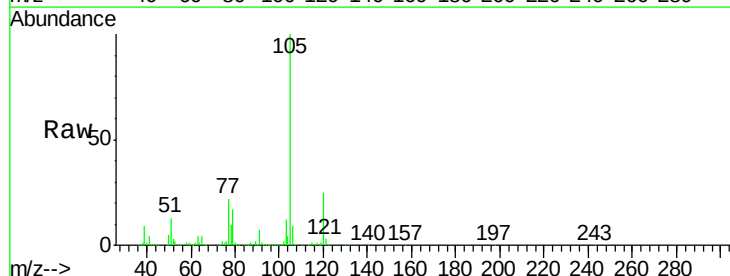
Manual Integrations
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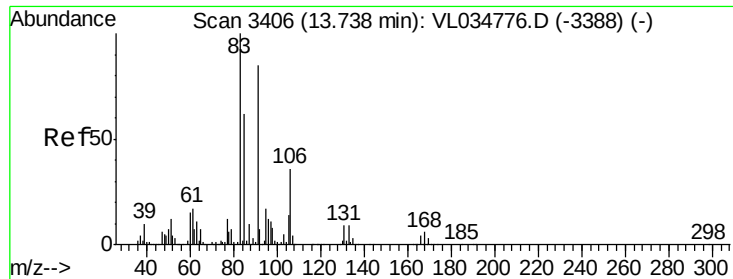
apatel
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#62
Isopropylbenzene
Concen: 8.926 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion:105 Resp: 3346781
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7





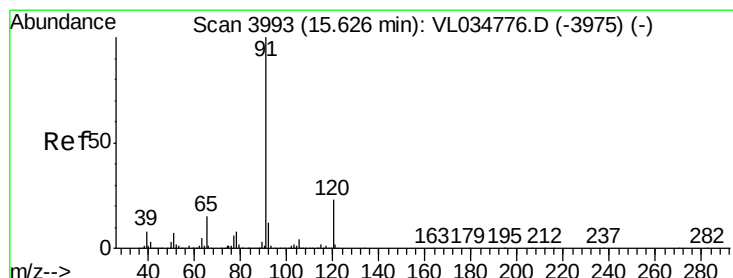
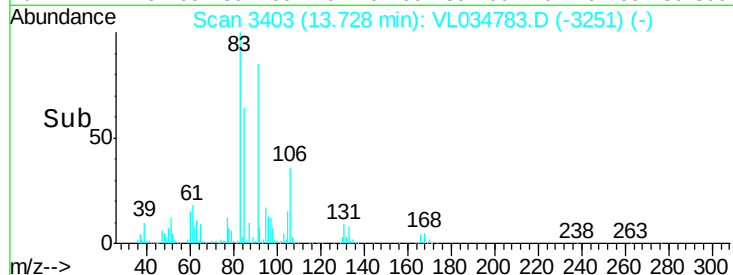
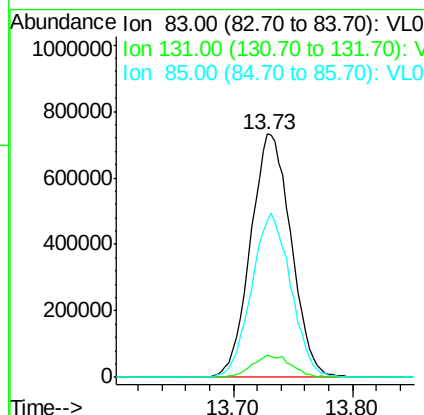
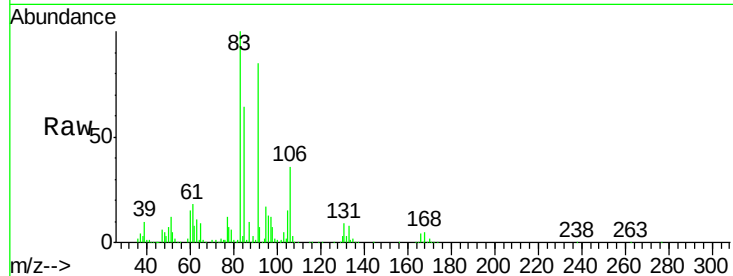
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.563 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.7	14.0
85	65.8	32.9	98.7

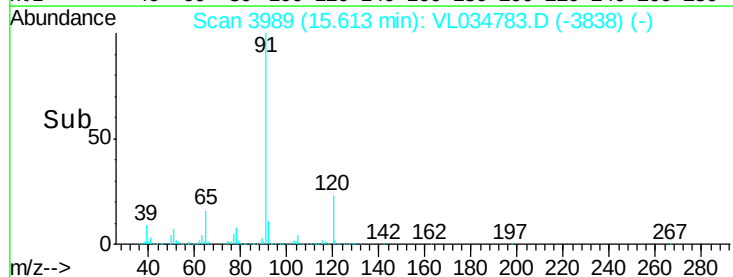
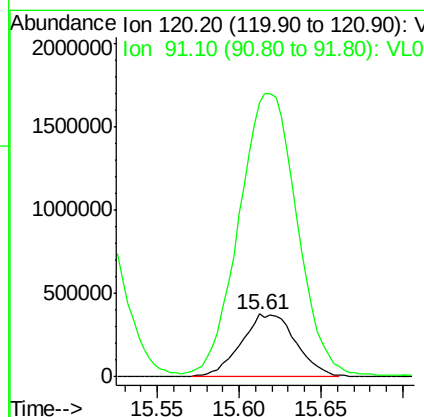
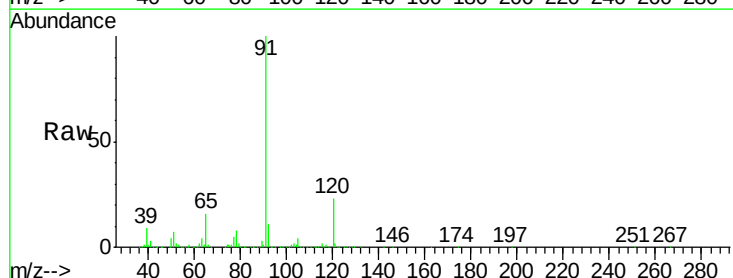
Manual Integrations
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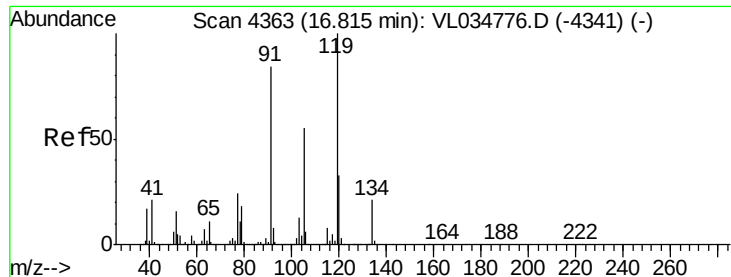
apatel
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#64
 n-propylbenzene
 Concen: 9.324 ppbv m
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
120	100		
91	483.4	379.4	569.2





#65

tert-Butylbenzene

Concen: 9.165 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion:119 Resp: 2904228

Ion Ratio Lower Upper

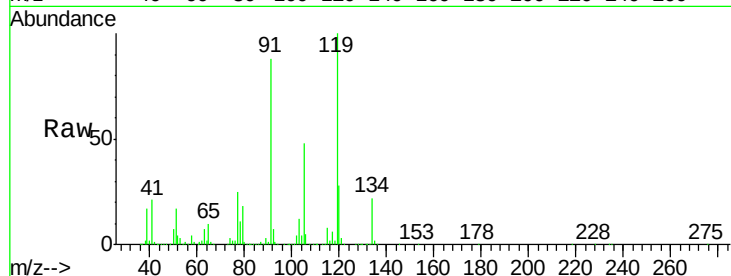
119 100

91 88.2 69.8 104.6

134 19.6 15.9 23.9

Manual Integrations
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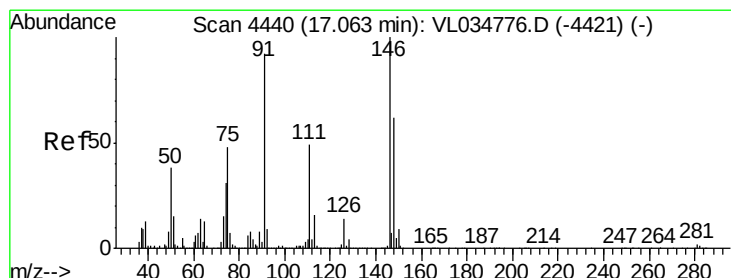
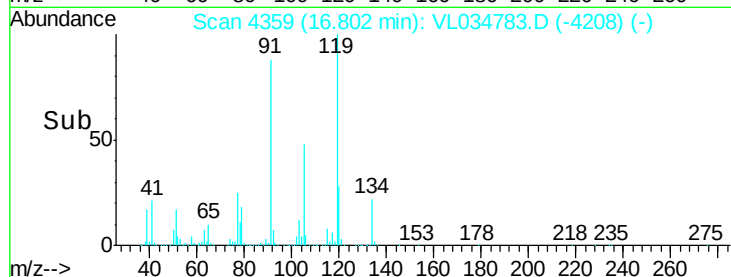
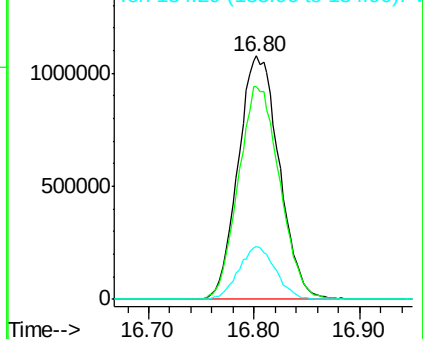
apatel
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.699 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

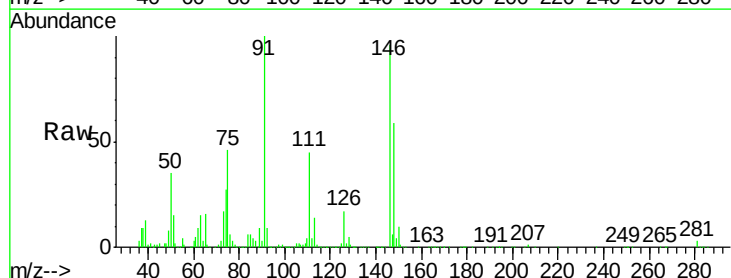
Tgt Ion: 91 Resp: 1403347

Ion Ratio Lower Upper

91 100

126 16.2 12.6 18.8

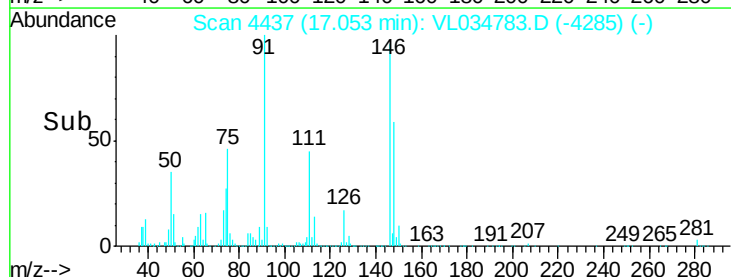
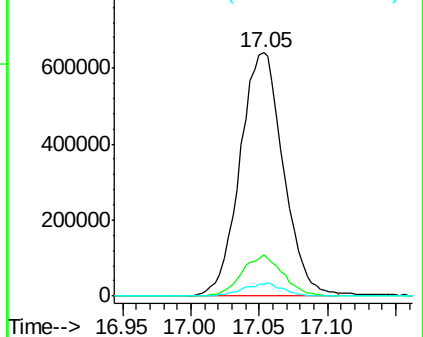
128 5.1 4.3 6.5

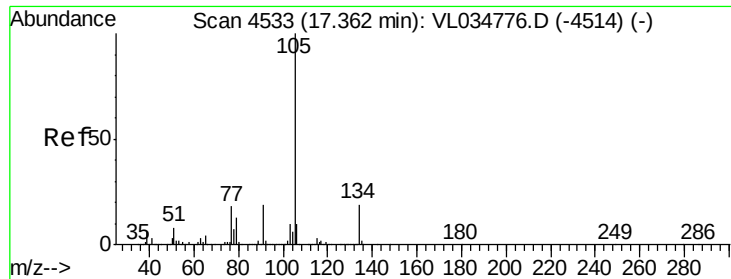


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.072 ppbv

RT: 17.36 min Scan# 4531

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion: 105 Resp: 4188904

Ion Ratio Lower Upper

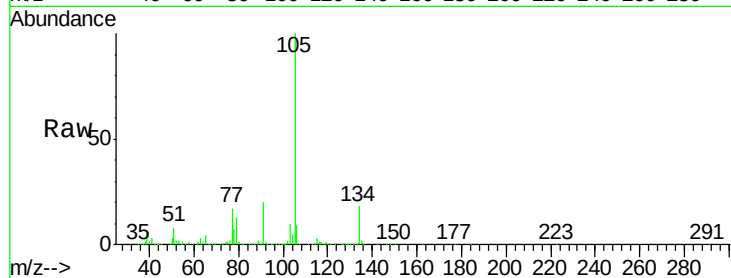
105 100

134 18.1 14.7 22.1

Manual Integrations
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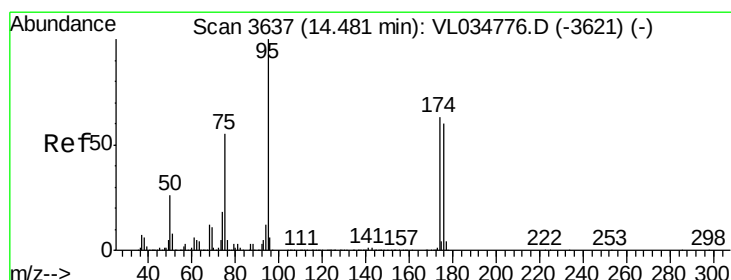
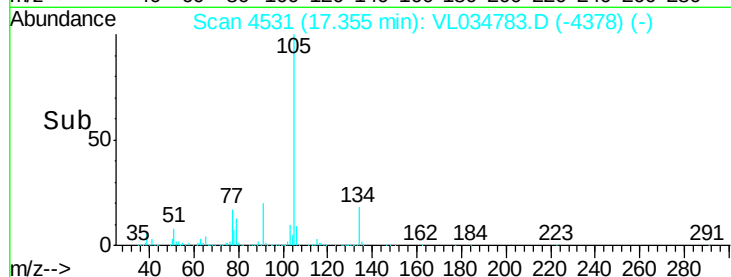
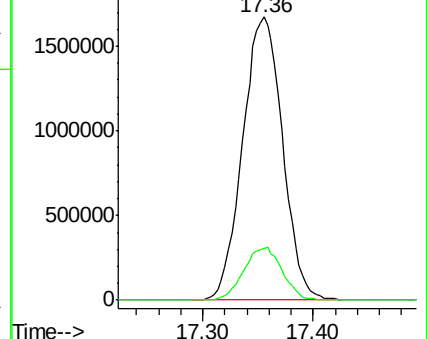
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.895 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

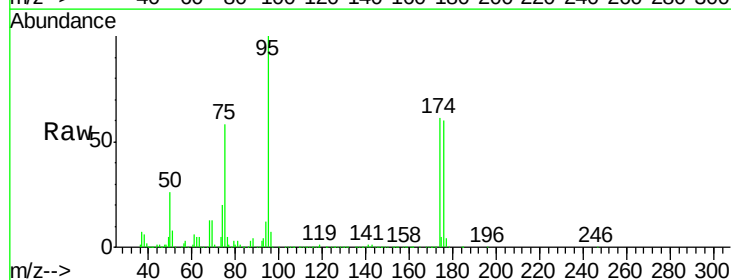
Tgt Ion: 95 Resp: 1947564

Ion Ratio Lower Upper

95 100

174 63.5 50.6 76.0

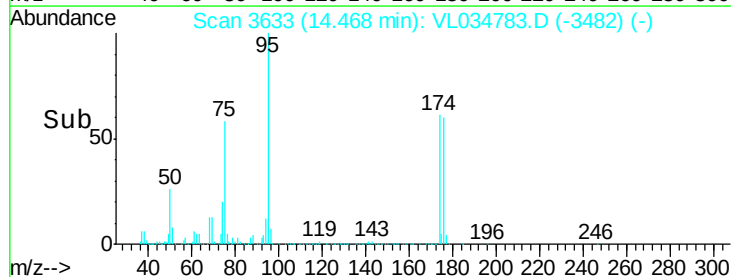
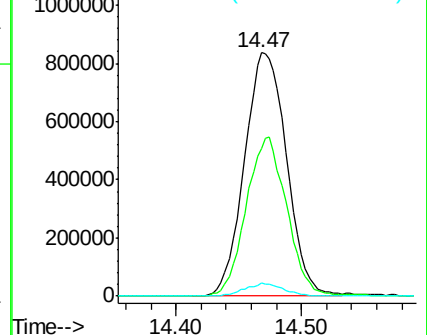
175 4.8 3.8 5.6

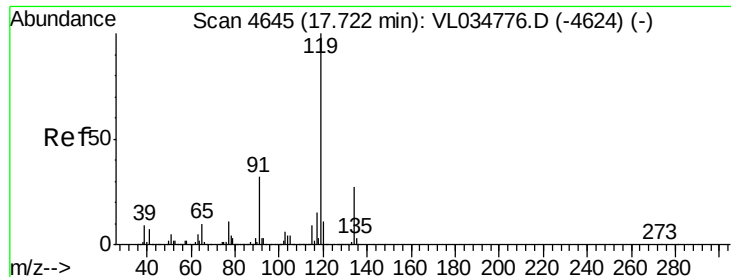


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





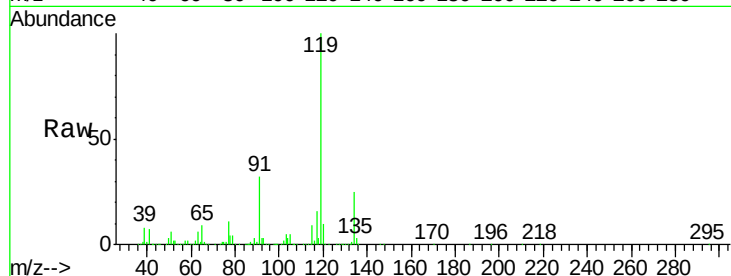
#69
 p-Isopropyltoluene
 Concen: 9.204 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

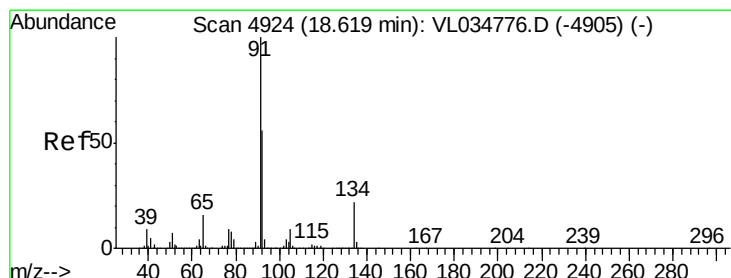
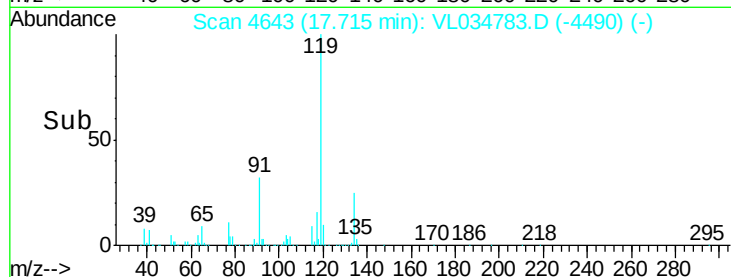
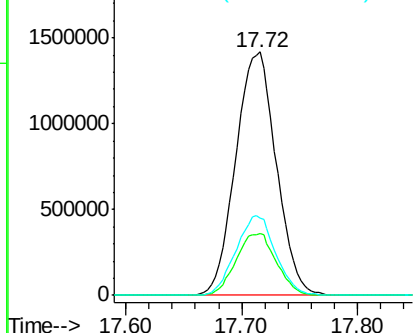
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	32.1	25.3	37.9

Manual Integrations
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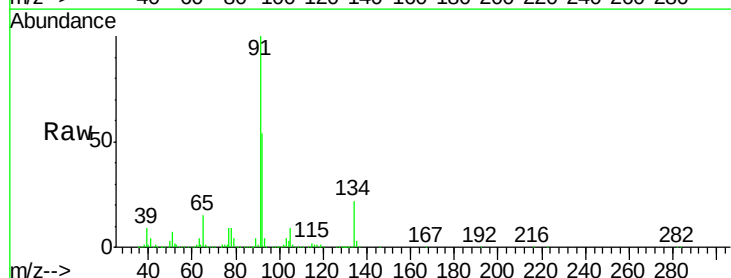


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

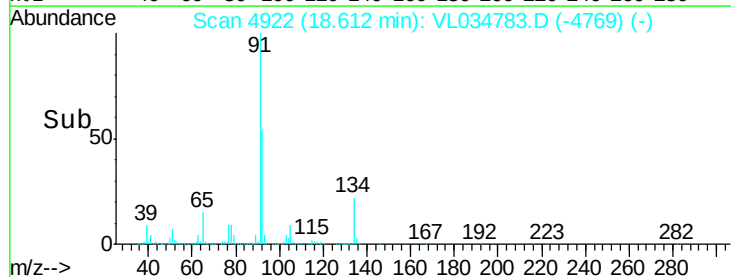
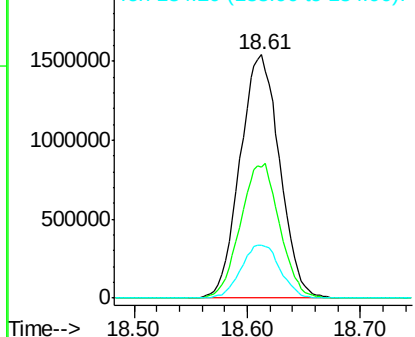


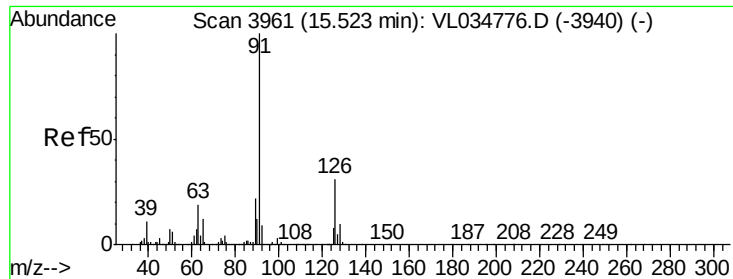
#70
 n-Butylbenzene
 Concen: 9.160 ppbv
 RT: 18.61 min Scan# 4922
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	21.6	17.7	26.5



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





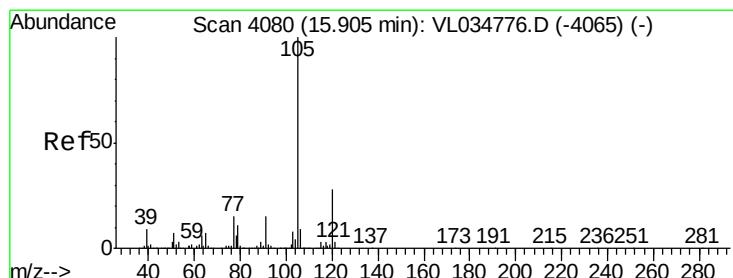
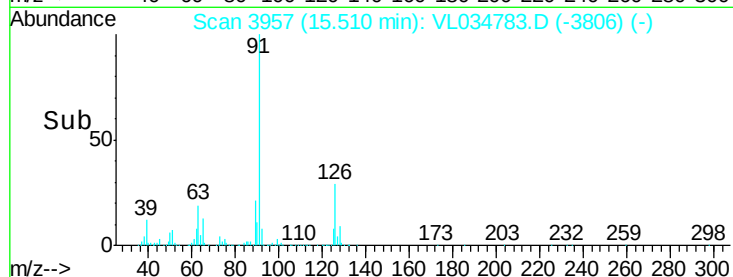
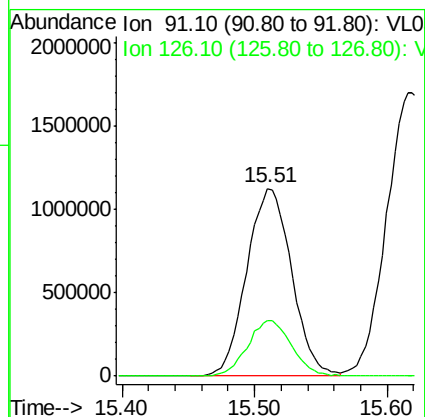
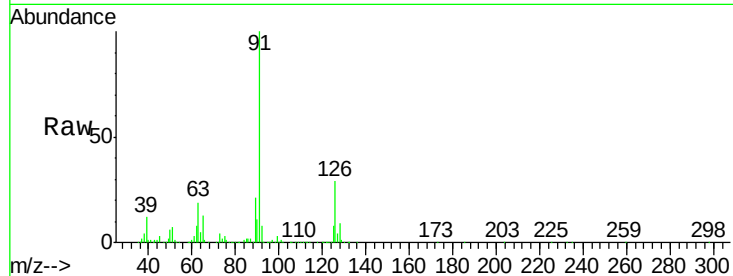
#71
2-Chlorotoluene
Concen: 9.399 ppbv
RT: 15.51 min Scan# 3957
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030420

Tot Ion: 91 Resp: 2661780
Ion Ratio Lower Upper
91 100
126 29.1 11.7 46.7

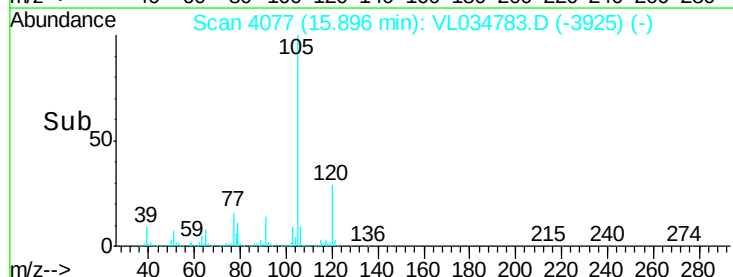
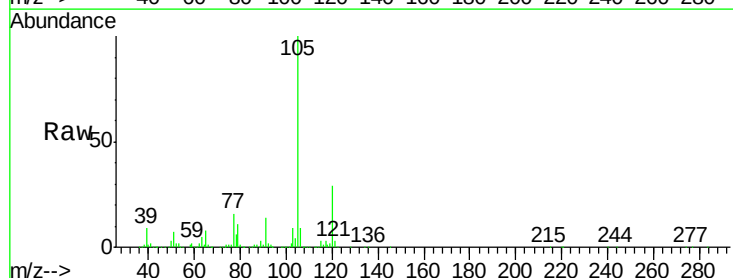
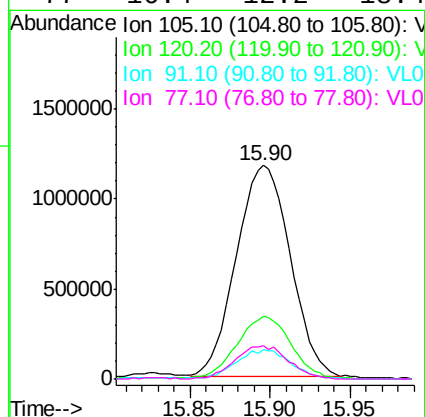
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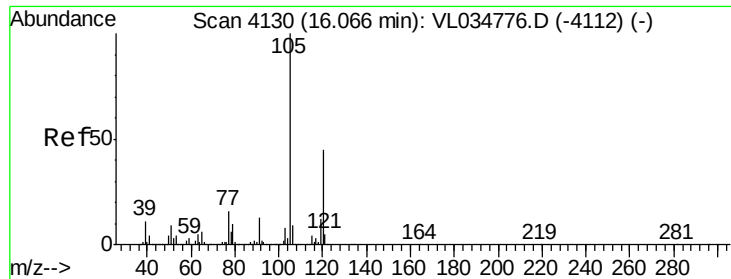
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#72
4-Ethyltoluene
Concen: 9.514 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. -0.01 min
Lab File: VL034783.D
Acq: 4 Mar 2020 5:54

Tgt Ion:105 Resp: 2698738
Ion Ratio Lower Upper
105 100
120 30.8 23.0 34.6
91 13.9 11.1 16.7
77 16.4 12.2 18.4





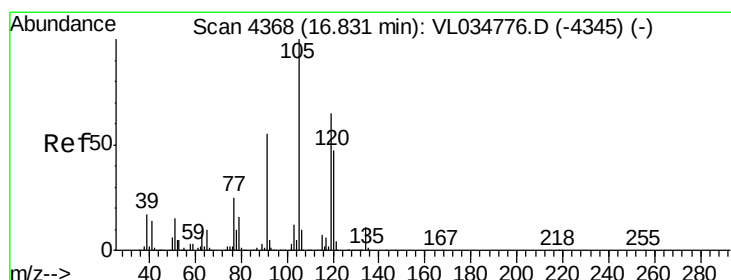
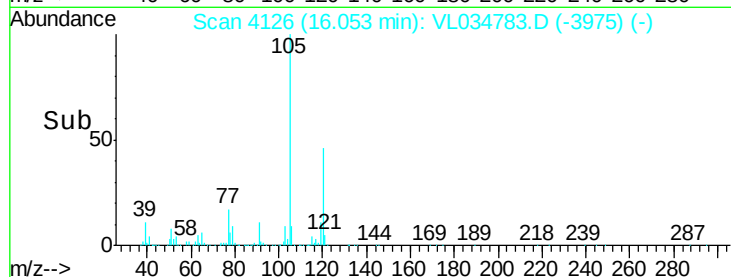
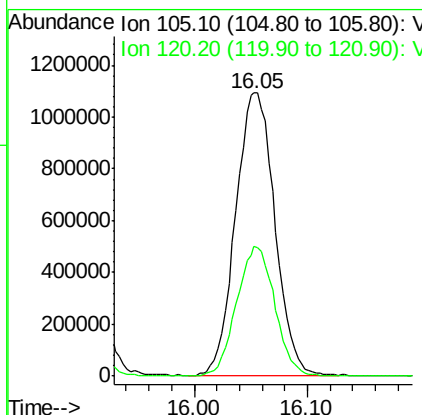
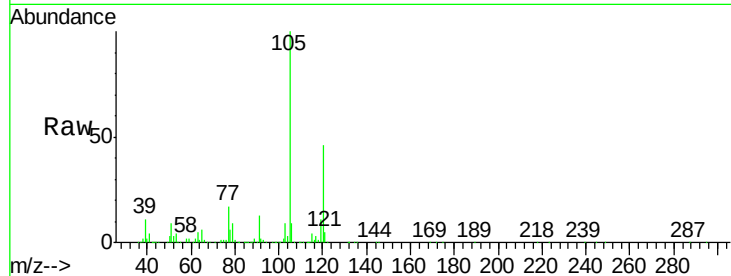
#73
 1,3,5-Trimethylbenzene
 Concen: 9.639 ppbv
 RT: 16.05 min Scan# 4126
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion:105 Resp: 2622711
 Ion Ratio Lower Upper
 105 100
 120 46.1 35.6 53.4

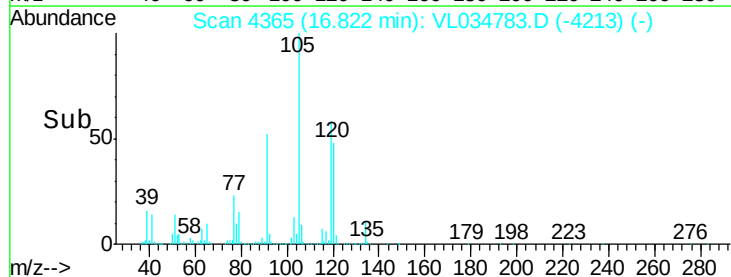
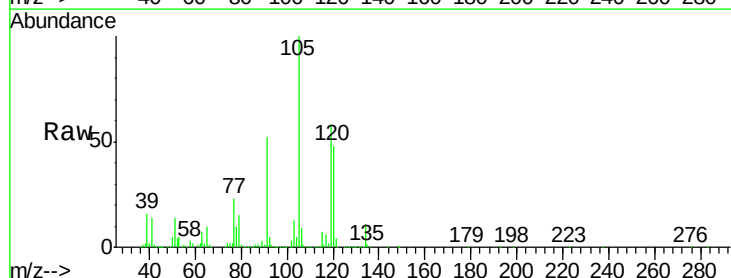
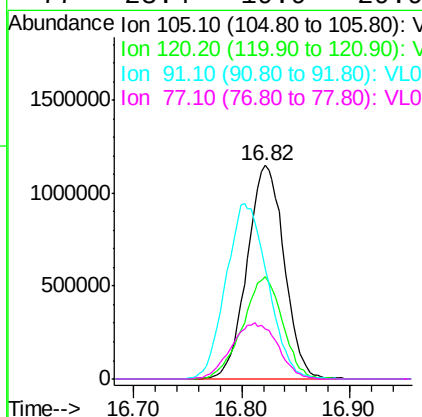
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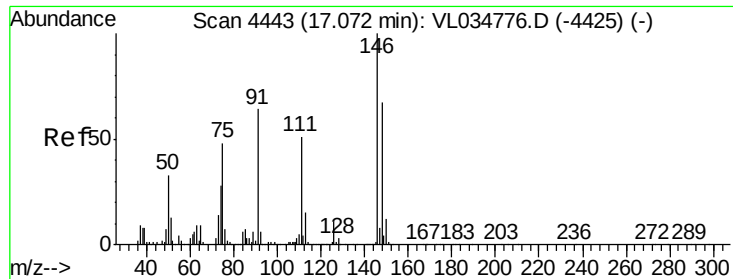
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.266 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion:105 Resp: 2740841
 Ion Ratio Lower Upper
 105 100
 120 48.0 37.8 56.6
 91 51.5 43.8 65.8
 77 23.4 19.9 29.9





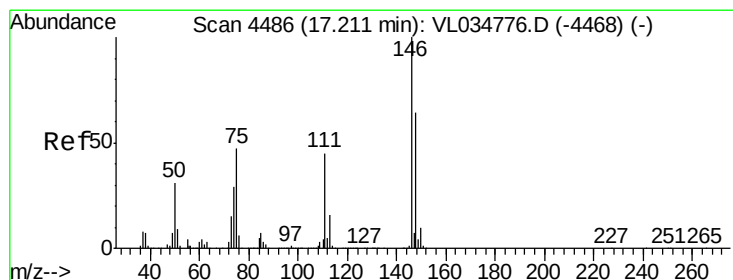
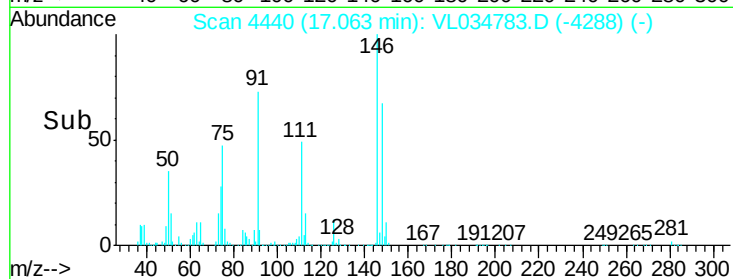
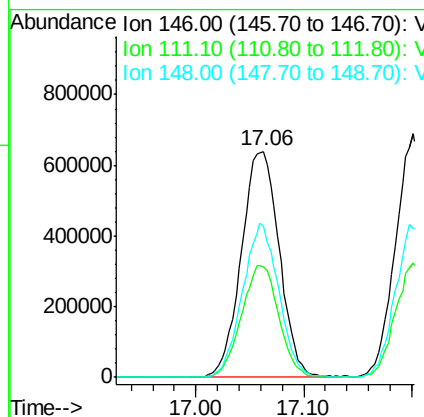
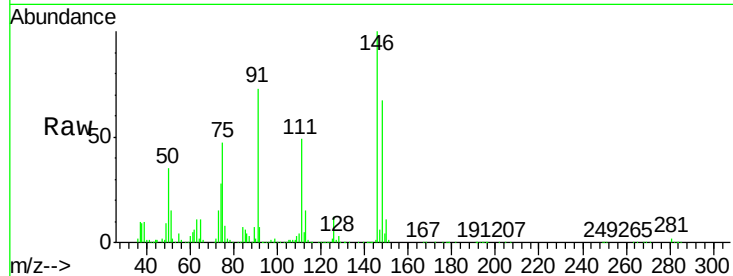
#75
 1,3-Dichlorobenzene
 Concen: 8.929 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion:146 Resp: 1563435
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.7 74.1
 148 65.1 31.8 95.4

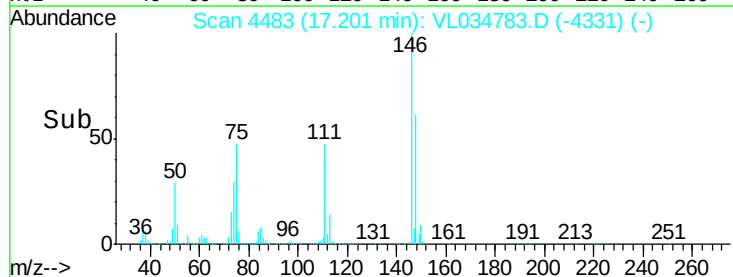
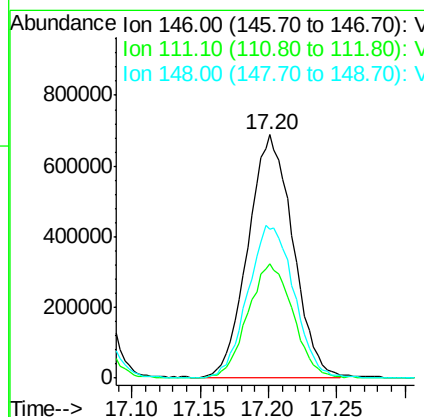
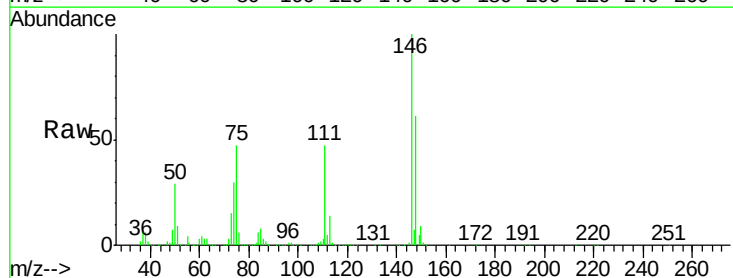
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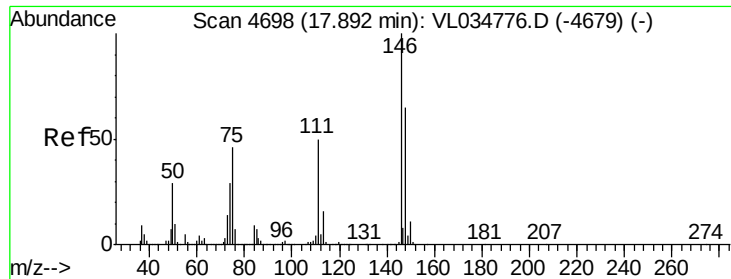
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#76
 1,4-Dichlorobenzene
 Concen: 9.321 ppbv
 RT: 17.20 min Scan# 4483
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion:146 Resp: 1561785
 Ion Ratio Lower Upper
 146 100
 111 47.9 23.5 70.5
 148 65.4 32.2 96.6





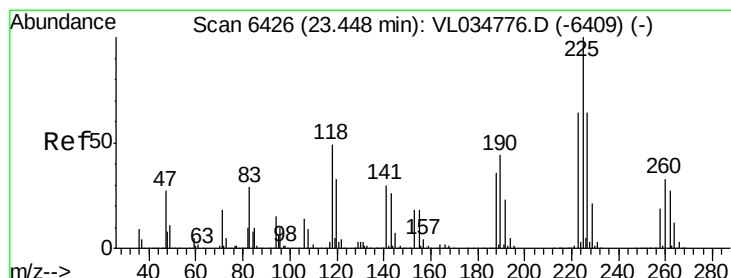
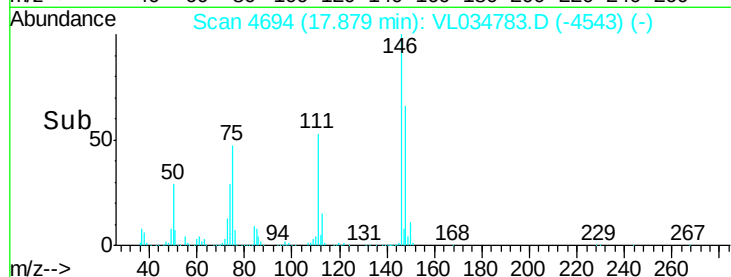
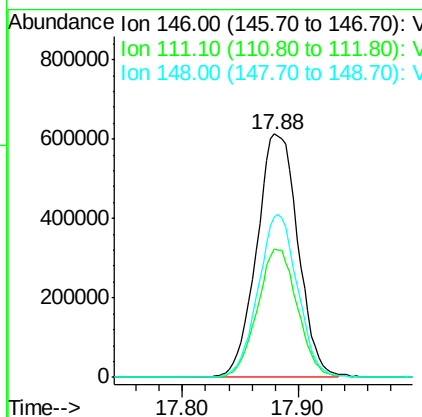
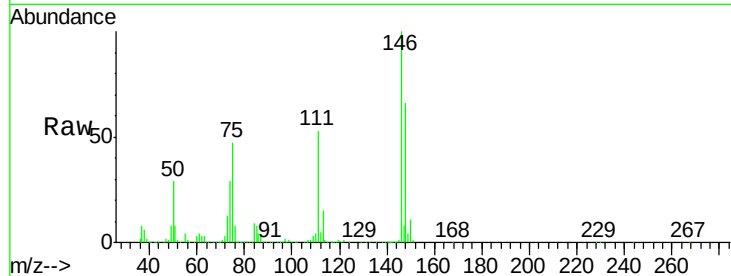
#77
 1,2-Dichlorobenzene
 Concen: 9.050 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion:146 Resp: 1515925
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.3 75.8
 148 63.9 32.3 96.9

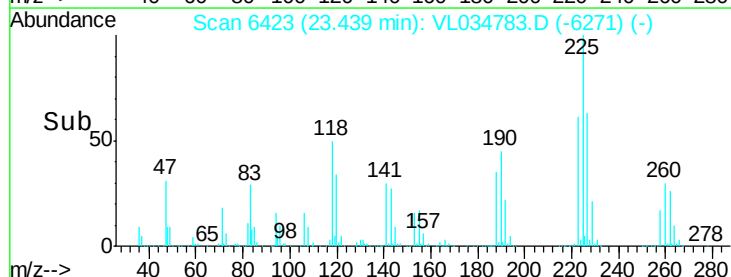
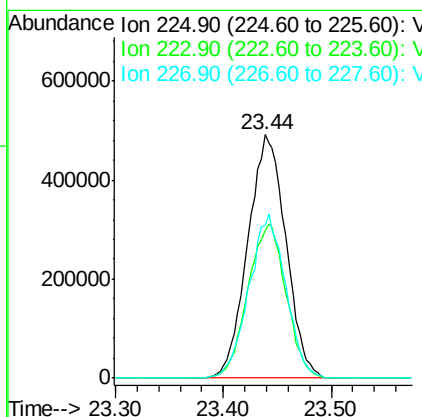
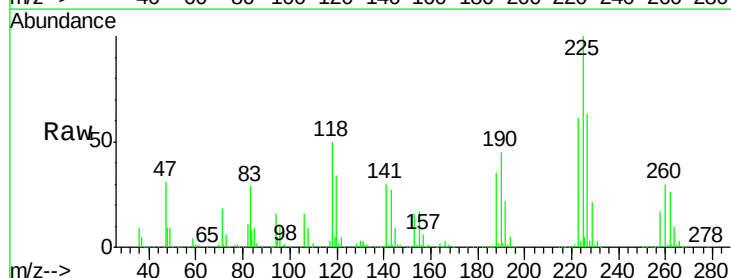
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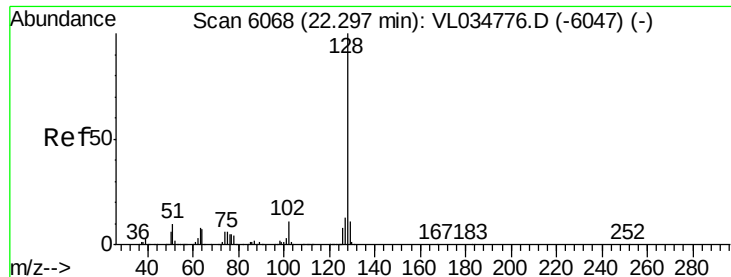
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.617 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Tgt Ion:225 Resp: 1204500
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.3 76.9
 227 64.9 51.9 77.9





#79

Naphthalene

Concen: 11.779 ppbv

RT: 22.28 min Scan# 6063

Delta R.T. -0.02 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030420

Tot Ion:128 Resp: 2618176

Ion Ratio Lower Upper

128 100

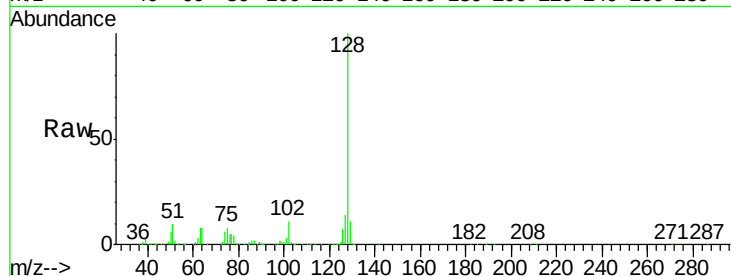
127 14.3 10.2 15.4

129 11.2 9.0 13.6

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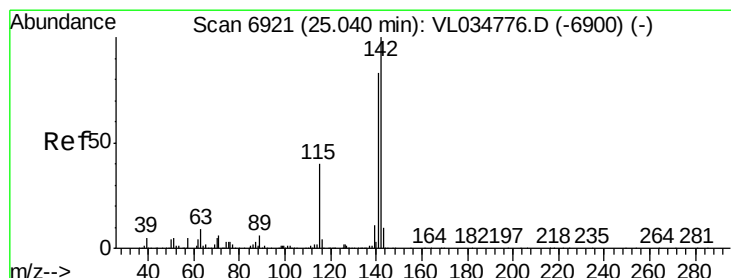
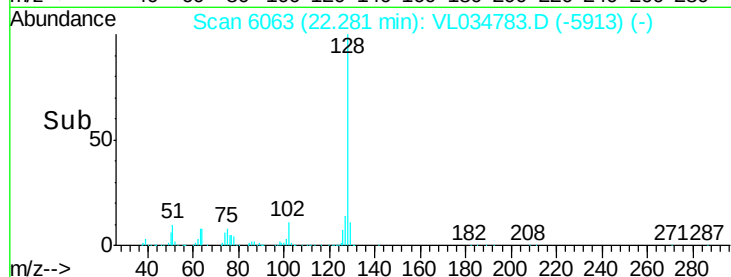
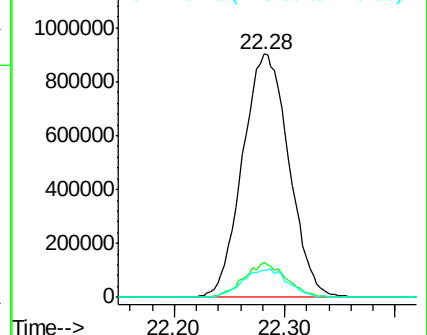
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.164 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. -0.01 min

Lab File: VL034783.D

Acq: 4 Mar 2020 5:54

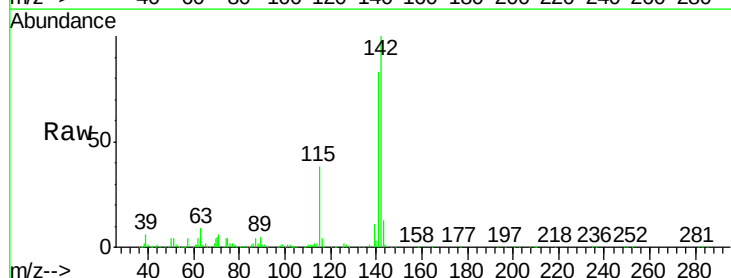
Tgt Ion:142 Resp: 592716

Ion Ratio Lower Upper

142 100

141 83.4 67.7 101.5

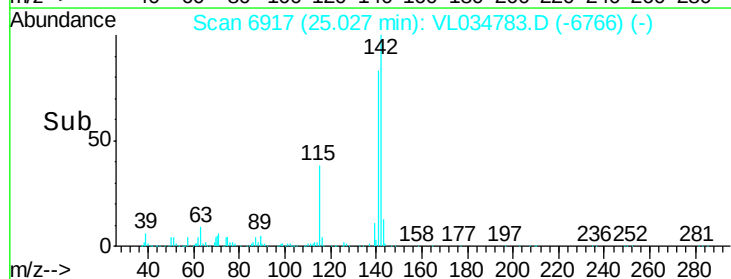
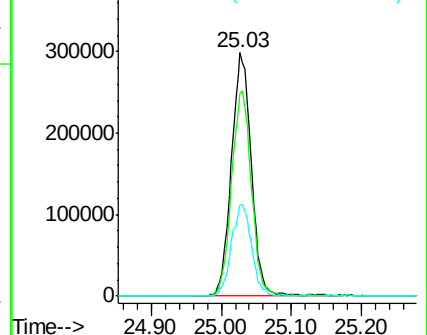
115 37.8 30.7 46.1

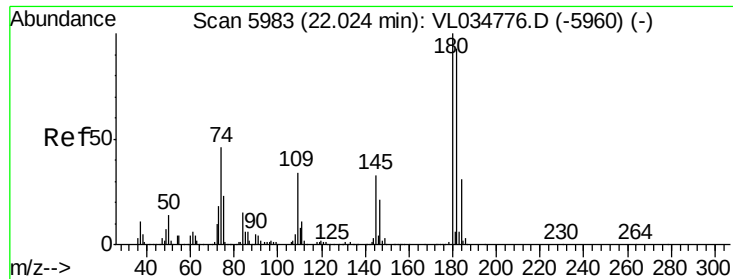


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.034 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. -0.01 min
 Lab File: VL034783.D
 Acq: 4 Mar 2020 5:54

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030420

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.8	115.2
184	31.0	24.8	37.2

Manual Integrations
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