

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034986.D
 Acq On : 12 May 2020 13:45
 Operator : SY/AP
 Sample : VL0512ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0512ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:11:38 PM

Quant Time: May 13 01:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1096942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2551828	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2613395m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1990622	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1271928	8.170	ppbv 96
3) Chlorodifluoromethane	2.94	51	1132266	9.041	ppbv 100
4) Chloromethane	3.10	50	666421	9.285	ppbv 100
5) Vinyl Chloride	3.21	62	653881	9.339	ppbv 99
6) Bromomethane	3.43	94	388419	9.291	ppbv 92
7) Chloroethane	3.52	64	237464	9.443	ppbv 95
8) Dichlorotetrafluoroethane	3.14	85	1469470	9.120	ppbv 100
9) Propene	2.96	41	493952	9.089	ppbv 98
10) Heptane	8.13	43	1369409	10.058	ppbv 100
11) Trichlorofluoromethane	3.92	101	1510273	9.408	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1065515	9.322	ppbv 97
13) Ethanol	3.57	45	121391	6.769	ppbv 97
14) Bromoethene	3.70	108	460245	9.743	ppbv 98
15) Acetone	3.82	43	1196881	8.253	ppbv 100
16) 1,3-Butadiene	3.29	39	594214	9.521	ppbv 99
17) tert-Butyl alcohol	4.26	59	978593	7.584	ppbv 100
18) 1,1-Dichloroethene	4.26	96	491121	9.904	ppbv 99
19) Isopropyl Alcohol	3.93	45	709136	7.332	ppbv # 98
20) Methylene Chloride	4.31	84	439827	9.162	ppbv 93
21) Allyl Chloride	4.38	41	829390	10.125	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	479973	9.771	ppbv 97
23) Vinyl Acetate	5.05	43	1775754	9.656	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1315070	9.284	ppbv 100
25) Ethyl Acetate	5.66	43	2292548	9.411	ppbv 100
26) Hexane	5.67	57	1023153	9.688	ppbv 99
27) Carbon Disulfide	4.52	76	1272762	10.225	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1499631	9.324	ppbv 100
29) Chloroform	5.74	83	1583027	9.161	ppbv 99
30) Cyclohexane	7.13	84	853324	10.471	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1020292	9.902	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1507352	9.660	ppbv 99
34) 2-Butanone	5.22	43	1501681	9.468	ppbv 100
35) Carbon Tetrachloride	7.02	117	1580775	9.815	ppbv 95
36) Benzene	6.89	78	2053012	9.758	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1228730	9.468	ppbv 99
38) Trichloroethene	7.84	130	787101	9.657	ppbv 98
39) 1,2-Dichloropropane	7.62	63	810854	9.614	ppbv 98
40) 1,4-Dioxane	7.83	88	293254	8.554	ppbv 77
41) Tetrahydrofuran	6.04	42	832833	9.974	ppbv 98
42) Bromodichloromethane	7.80	83	1690496	9.658	ppbv 97
43) Methyl Methacrylate	8.02	69	929821	10.466	ppbv 98

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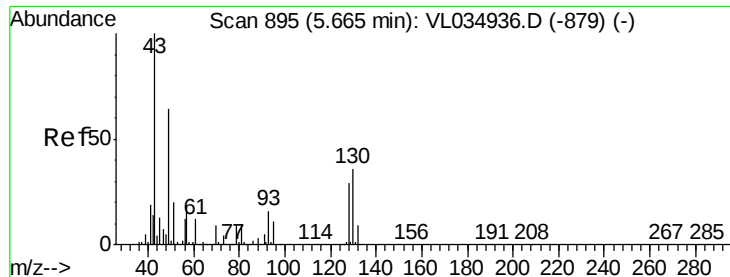
Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:11:38 PM

Quant Time: May 13 01:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3565593	9.533	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1038323	11.582	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1230641	11.181	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	858788	9.649	ppbv	99
48) Dibromochloromethane	10.32	129	1400367	10.232	ppbv	99
49) Bromoform	13.07	173	1224274	10.396	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2255878	9.975	ppbv	100
51) 2-Hexanone	10.15	43	1860623	10.518	ppbv #	100
52) Tetrachloroethene	11.24	164	718761	9.608	ppbv	99
53) Toluene	9.82	91	2369589	10.625	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1284726	9.830	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1060618	8.999	ppbv	96
57) Chlorobenzene	12.17	112	1803702	8.712	ppbv	98
58) Ethyl Benzene	12.74	91	3197345	9.894	ppbv	98
59) m/p-Xylene	13.02	91	5234144m	18.408	ppbv	
60) o-Xylene	13.72	91	2625652	9.358	ppbv	99
61) Styrene	13.56	104	1873446	10.551	ppbv	98
62) Isopropylbenzene	14.70	105	3841200	9.170	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1865047	8.444	ppbv	100
64) n-propylbenzene	15.60	120	1003875	9.343	ppbv	99
65) tert-Butylbenzene	16.78	119	3282591	9.035	ppbv	99
66) Benzyl Chloride	17.03	91	1285219	10.420	ppbv	98
67) sec-Butylbenzene	17.33	105	4718322	9.098	ppbv	99
69) p-Isopropyltoluene	17.69	119	3876596	9.239	ppbv	100
70) n-Butylbenzene	18.59	91	4064652	9.102	ppbv	99
71) 2-Chlorotoluene	15.49	91	2980934	9.427	ppbv	99
72) 4-Ethyltoluene	15.87	105	3065502	9.793	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2864376	9.403	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2913295	8.761	ppbv #	92
75) 1,3-Dichlorobenzene	17.03	146	1689175m	8.651	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	1668397	8.993	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1593229	8.660	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1283228	8.183	ppbv	99
79) Naphthalene	22.26	128	2882578	11.132	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1161233	18.244	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1490169	9.490	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

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MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 49 Resp: 1096942

Ion Ratio Lower Upper

49 100

128 44.1 22.1 66.5

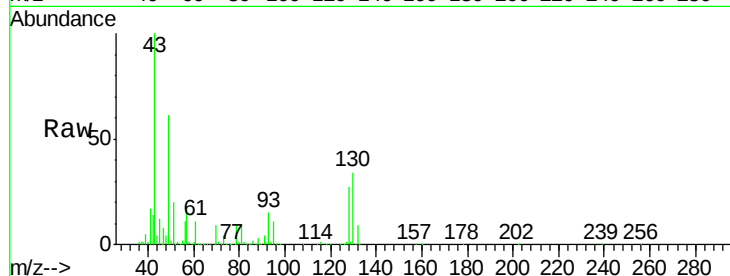
130 56.8 29.1 87.3

Manual Integrations

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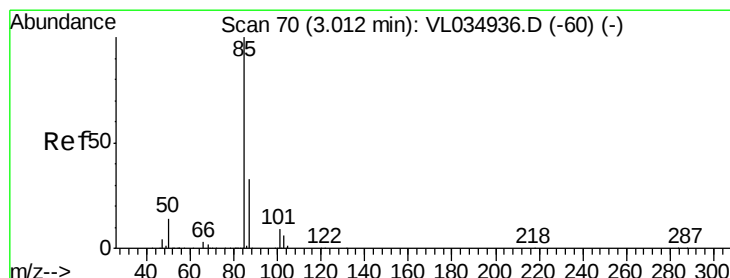
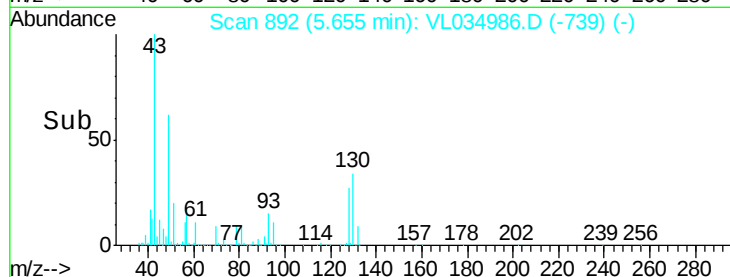
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 8.170 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL034986.D

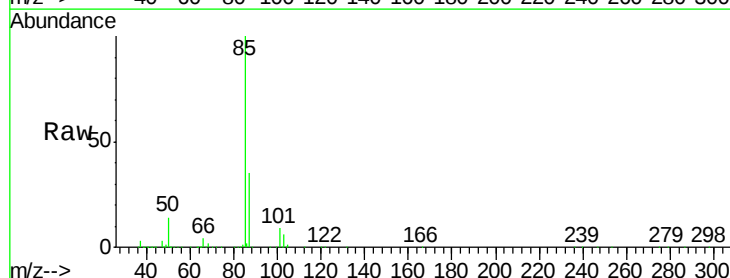
Acq: 12 May 2020 13:45

Tgt Ion: 85 Resp: 1271928

Ion Ratio Lower Upper

85 100

87 35.0 26.2 39.2

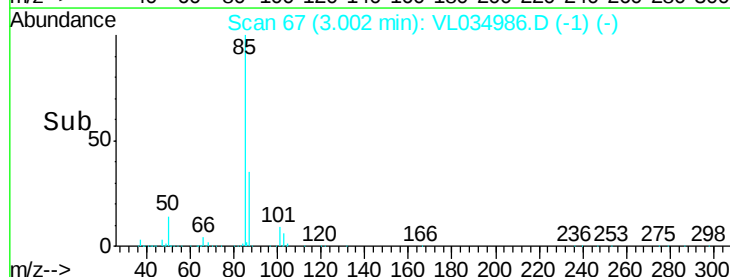


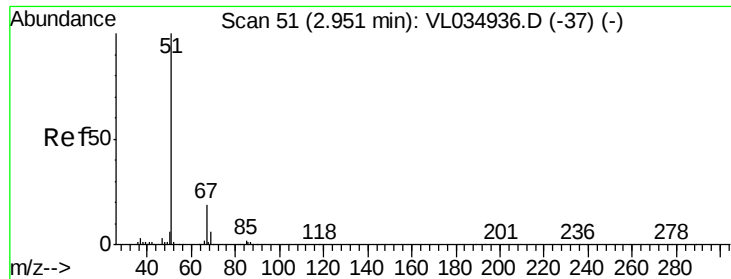
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

Time-->





#3

Chlorodifluoromethane

Concen: 9.041 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 51 Resp: 1132266

Ion Ratio Lower Upper

51 100

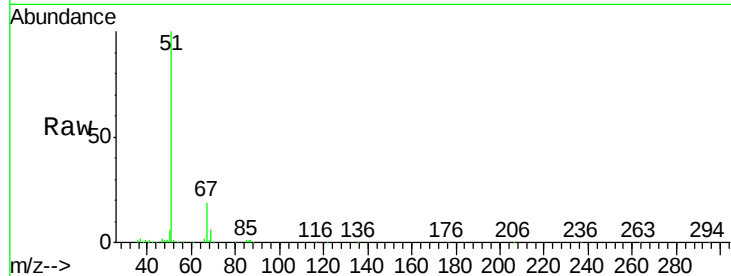
67 19.0 15.0 22.6

Manual Integrations

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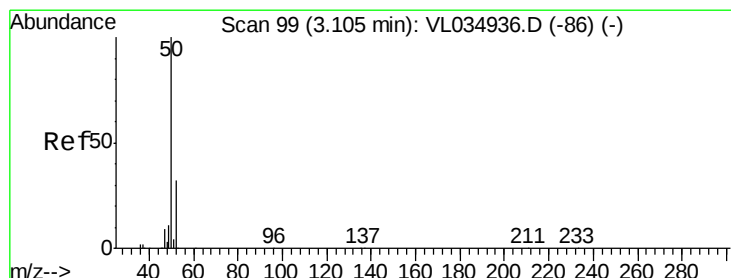
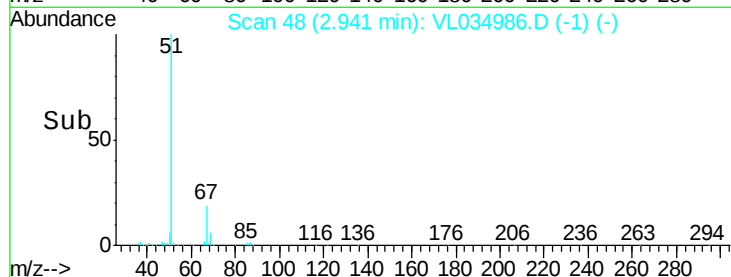
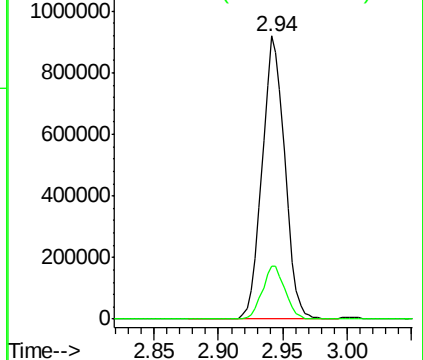
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.285 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL034986.D

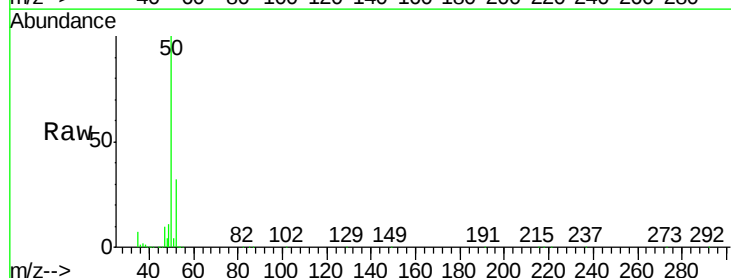
Acq: 12 May 2020 13:45

Tgt Ion: 50 Resp: 666421

Ion Ratio Lower Upper

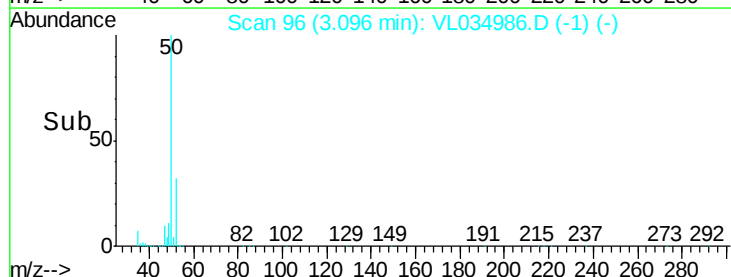
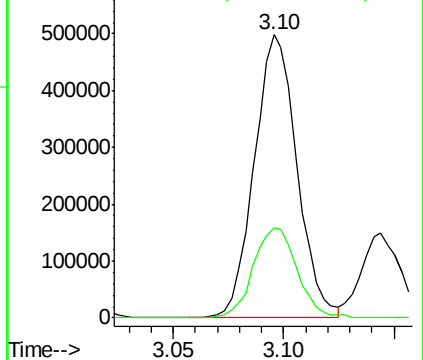
50 100

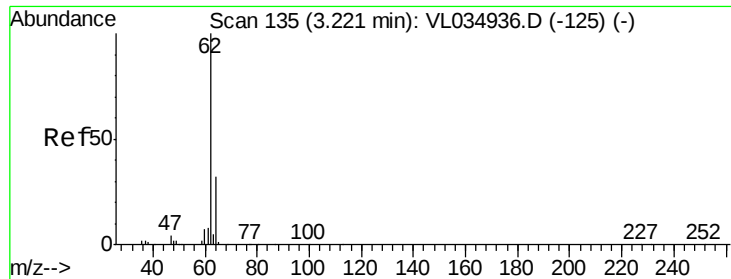
52 31.8 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.339 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleID :

VL0512ABS01

Tot Ion: 62 Resp: 653881

Ion Ratio Lower Upper

62 100

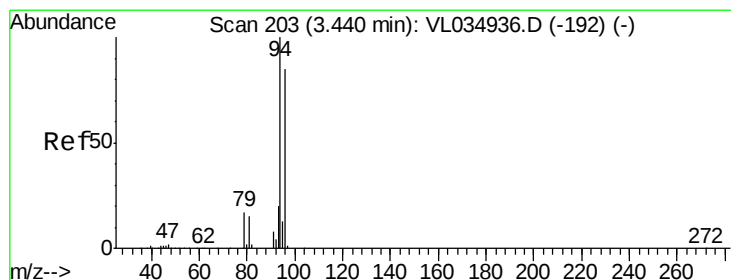
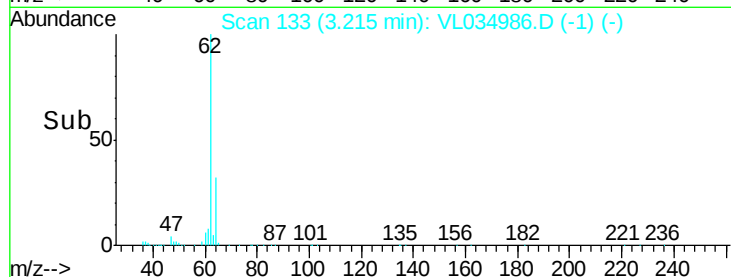
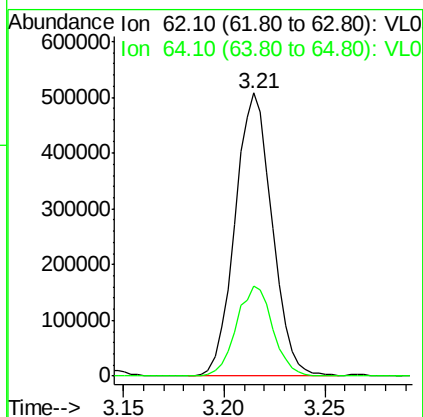
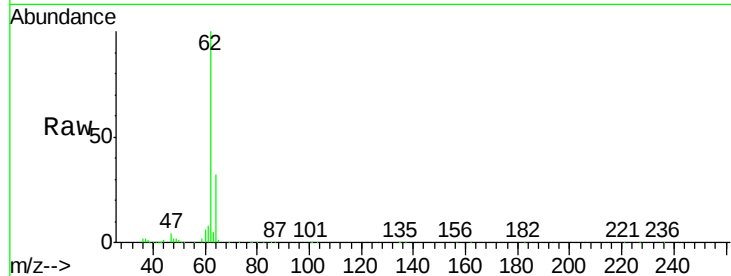
64 31.8 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 9.291 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL034986.D

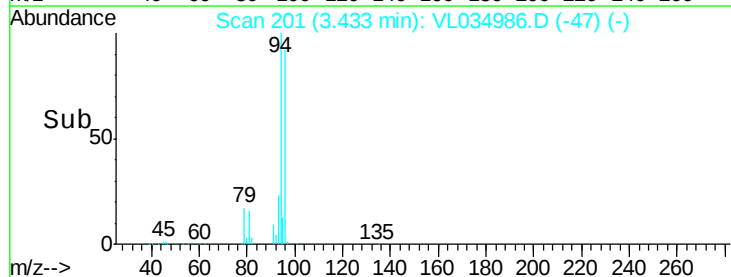
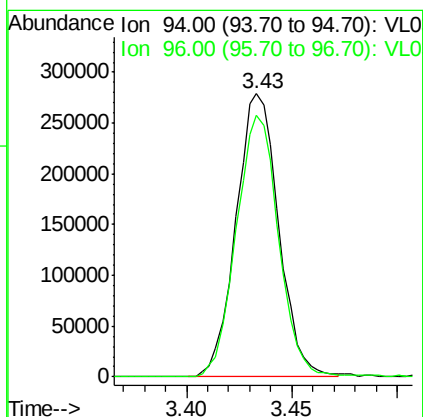
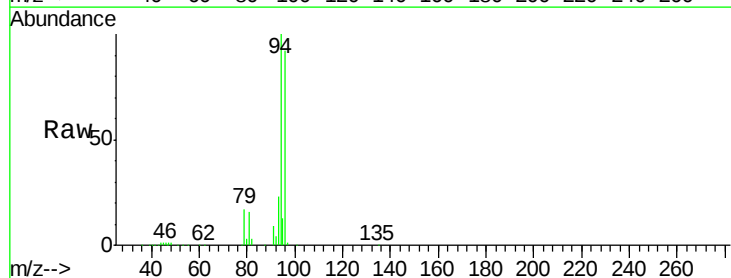
Acq: 12 May 2020 13:45

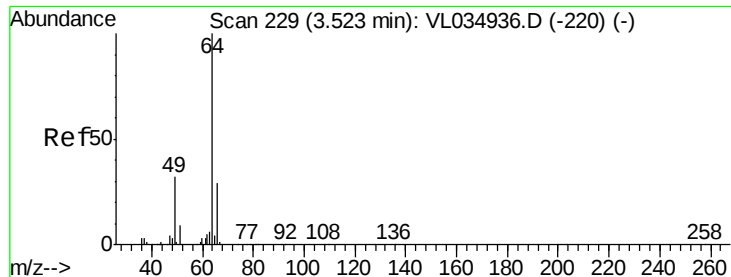
Tgt Ion: 94 Resp: 388419

Ion Ratio Lower Upper

94 100

96 92.3 67.9 101.9





#7

Chloroethane

Concen: 9.443 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 64 Resp: 237464

Ion Ratio Lower Upper

64 100

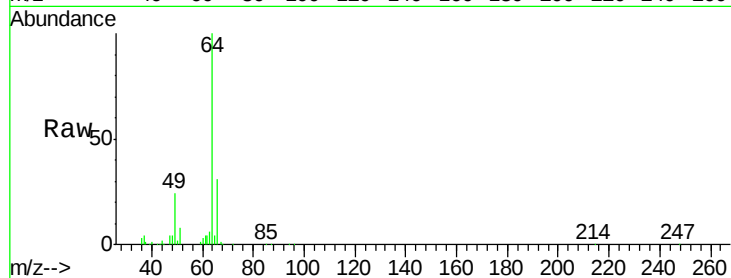
66 31.5 23.2 34.8

Manual Integrations

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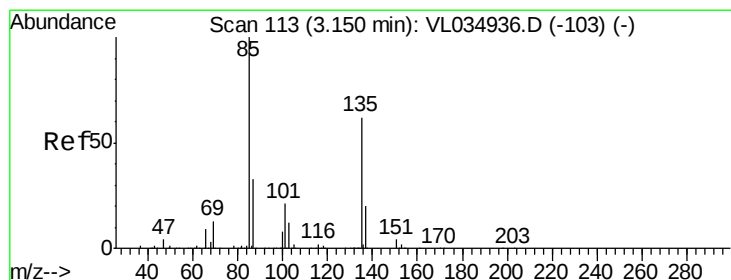
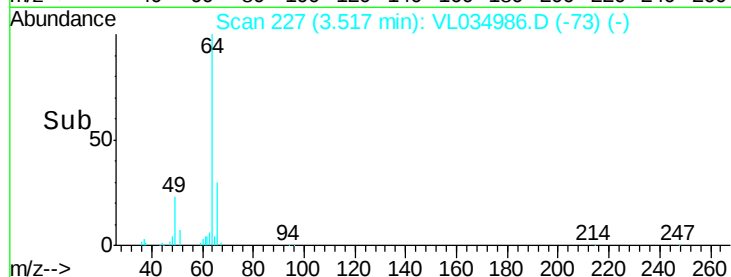
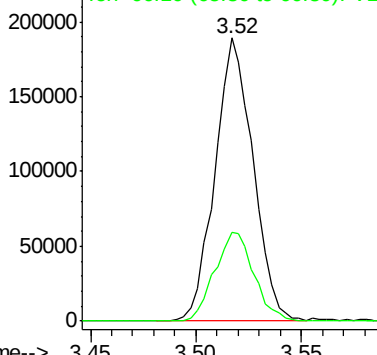
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.120 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL034986.D

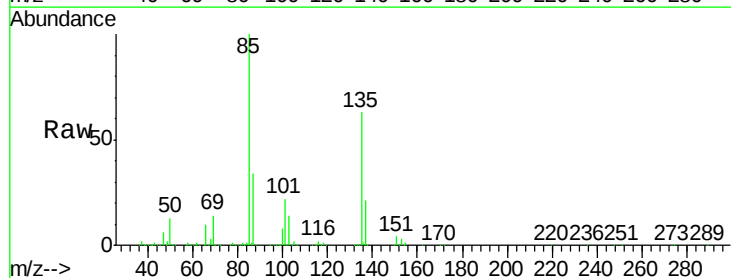
Acq: 12 May 2020 13:45

Tgt Ion: 85 Resp: 1469470

Ion Ratio Lower Upper

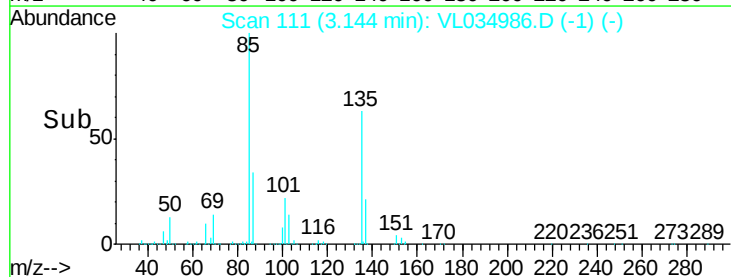
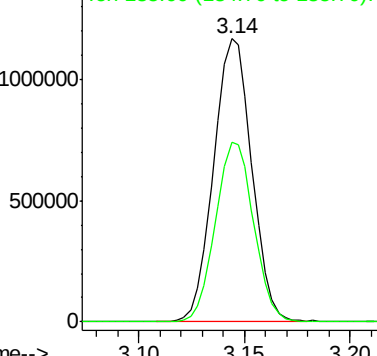
85 100

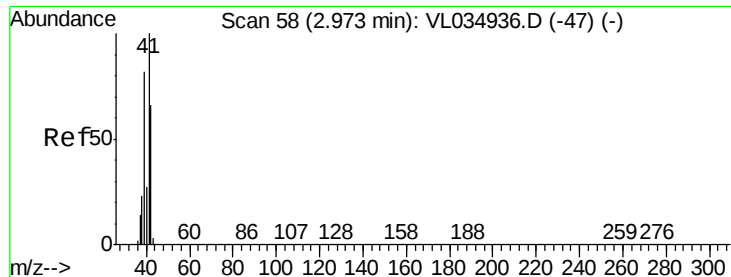
135 63.9 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.089 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 41 Resp: 493952

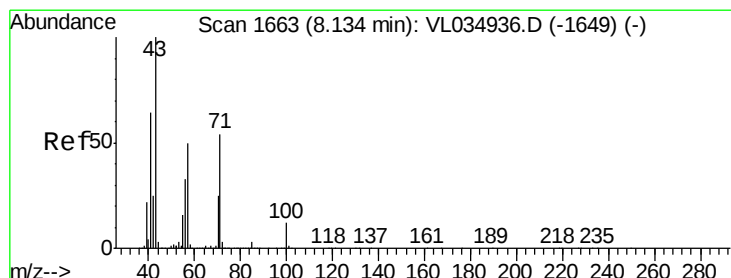
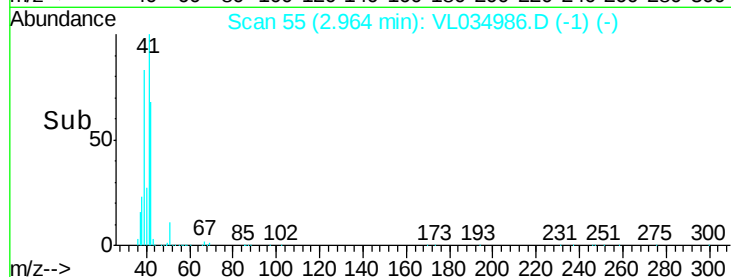
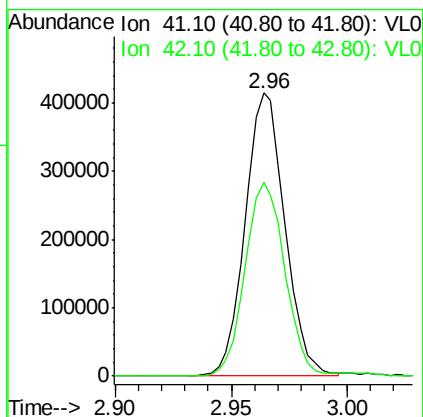
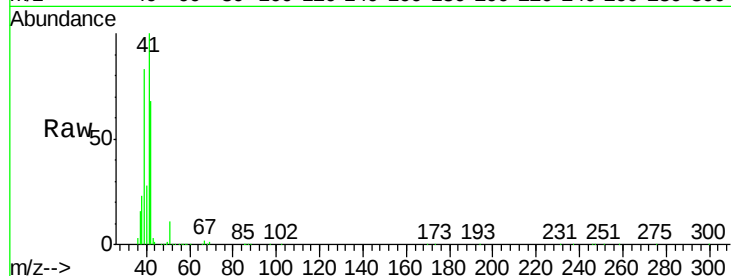
Ion Ratio Lower Upper

41 100

42 69.8 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 10.058 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL034986.D

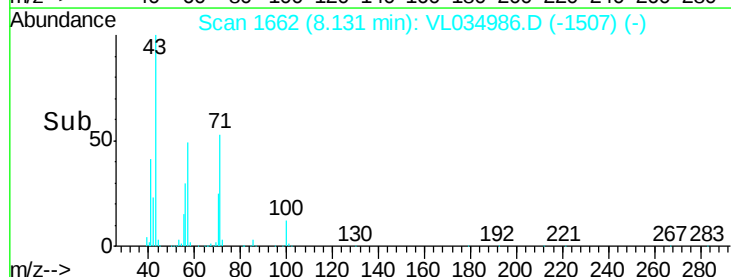
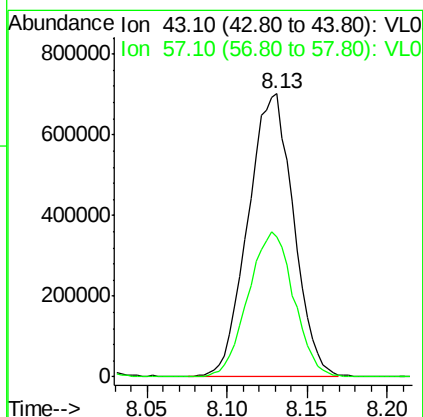
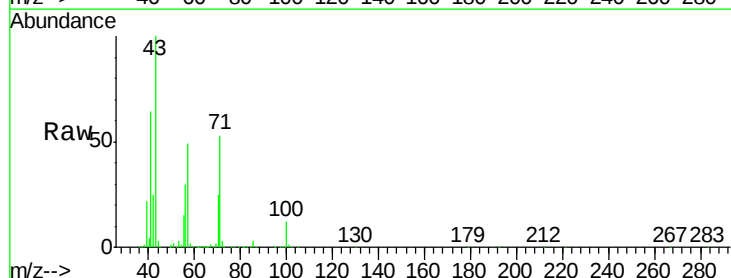
Acq: 12 May 2020 13:45

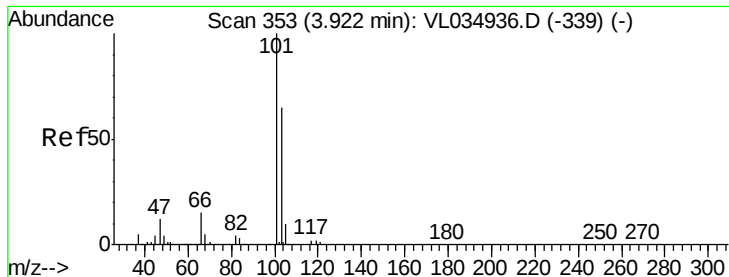
Tgt Ion: 43 Resp: 1369409

Ion Ratio Lower Upper

43 100

57 51.5 41.1 61.7





#11

Trichlorofluoromethane

Concen: 9.408 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion:101 Resp: 1510273

Ion Ratio Lower Upper

101 100

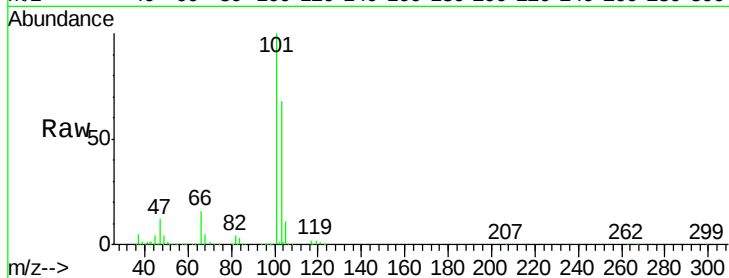
103 68.3 51.9 77.9

Manual Integrations

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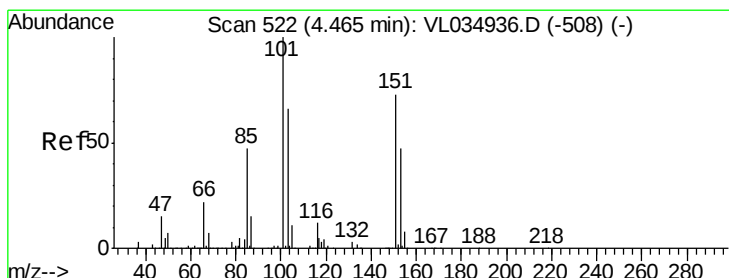
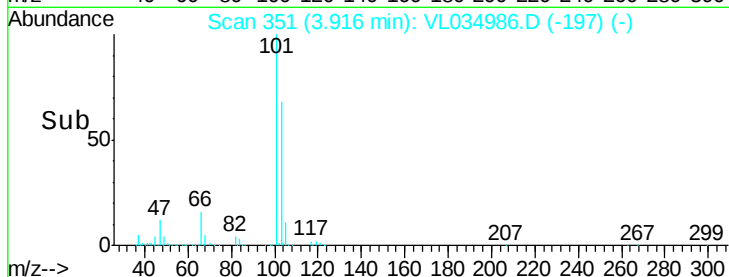
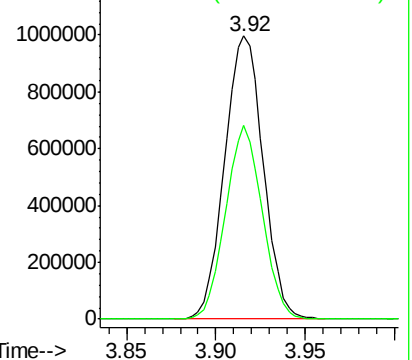
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.322 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.01 min

Lab File: VL034986.D

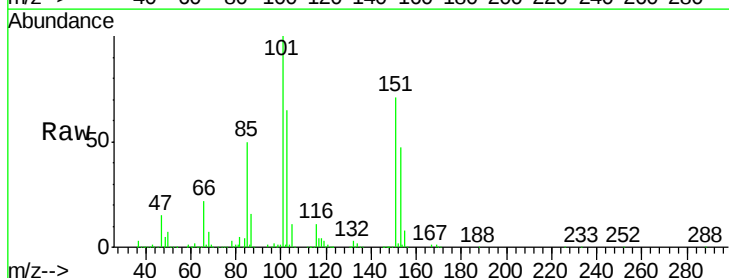
Acq: 12 May 2020 13:45

Tgt Ion:101 Resp: 1065515

Ion Ratio Lower Upper

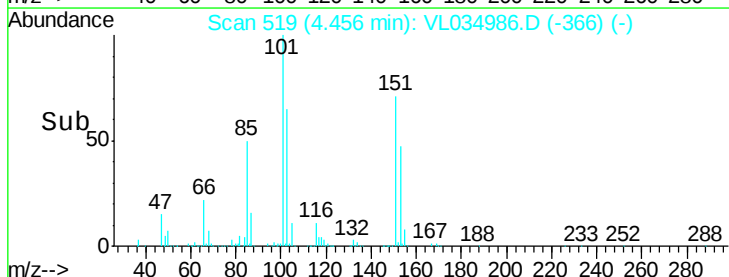
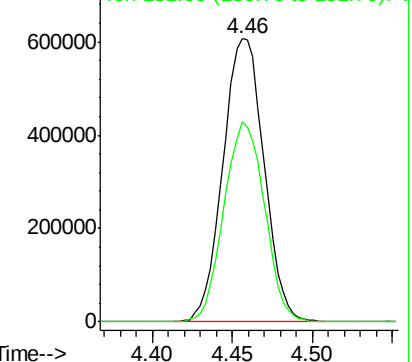
101 100

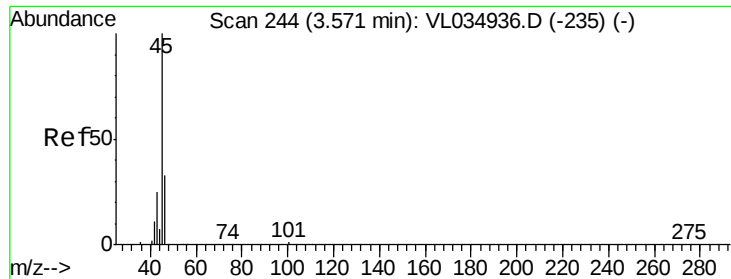
151 69.9 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.769 ppbv

RT: 3.57 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 45 Resp: 121391

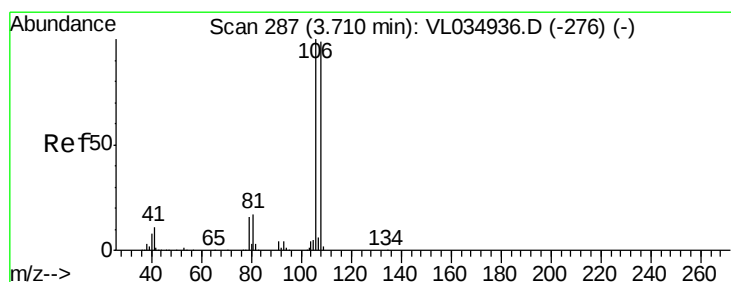
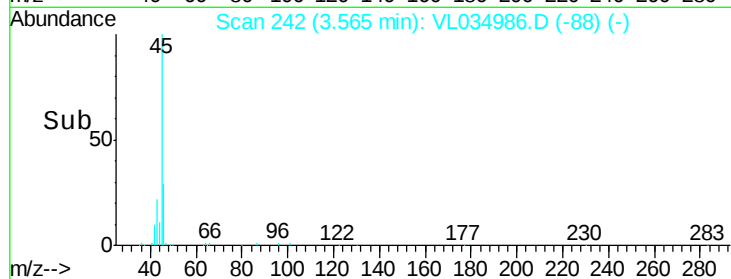
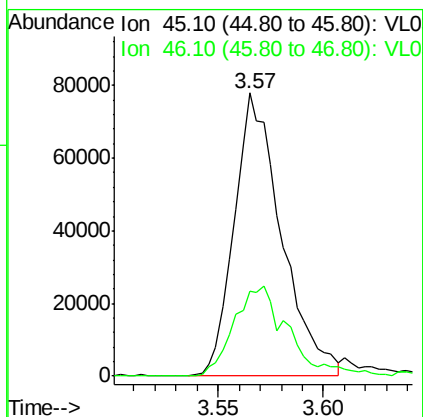
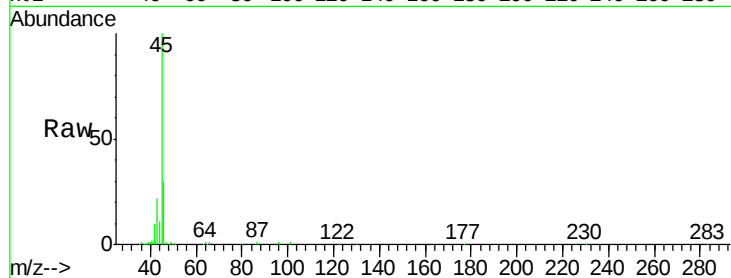
Ion Ratio Lower Upper

45 100

46 37.4 14.3 57.3

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#14

Bromoethene

Concen: 9.743 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

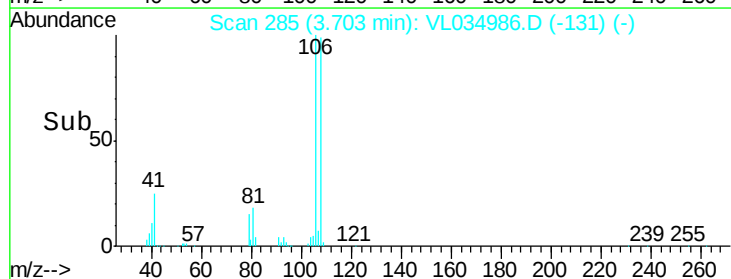
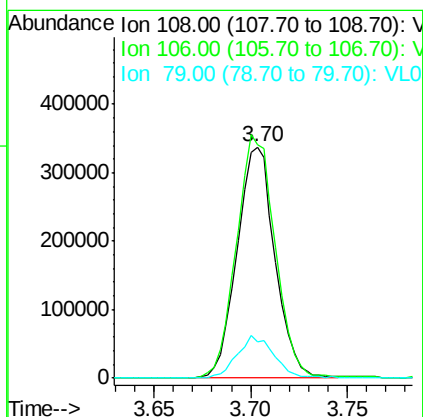
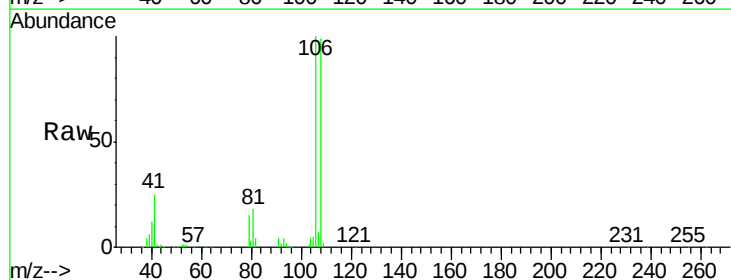
Tgt Ion: 108 Resp: 460245

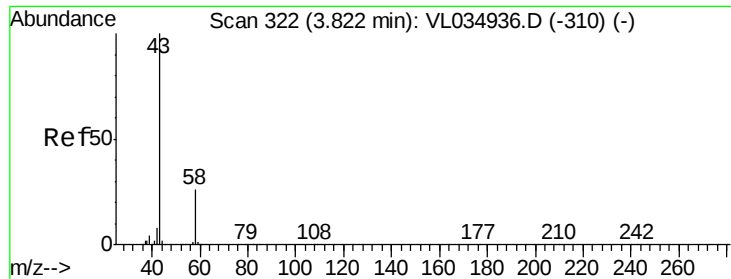
Ion Ratio Lower Upper

108 100

106 108.2 84.9 127.3

79 18.0 14.1 21.1





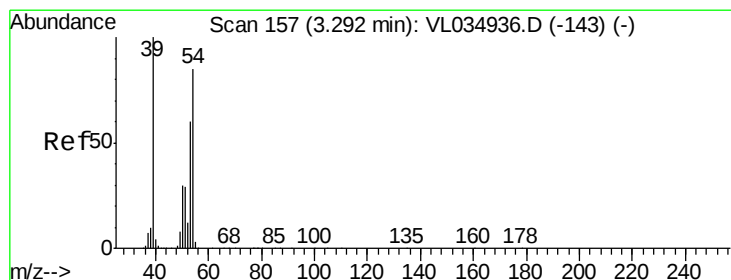
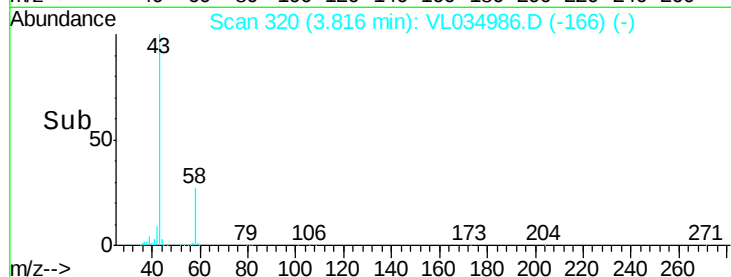
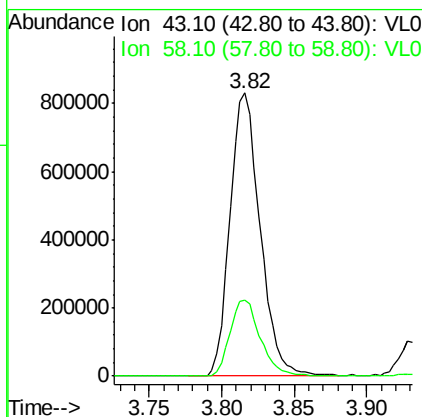
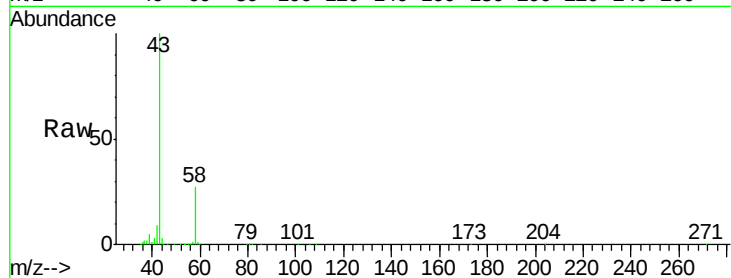
#15
Acetone
Concen: 8.253 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion: 43 Resp: 1196881
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5

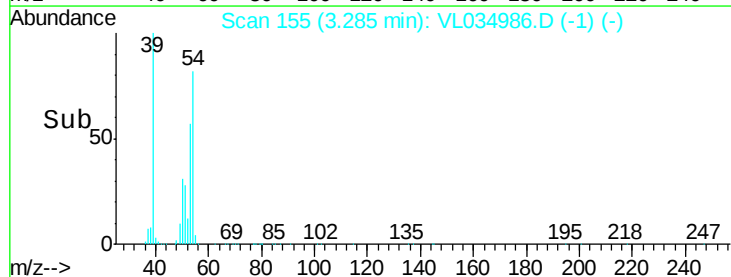
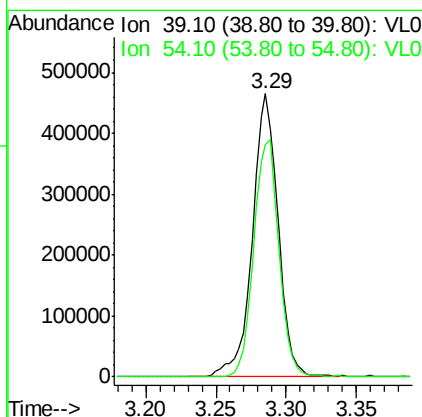
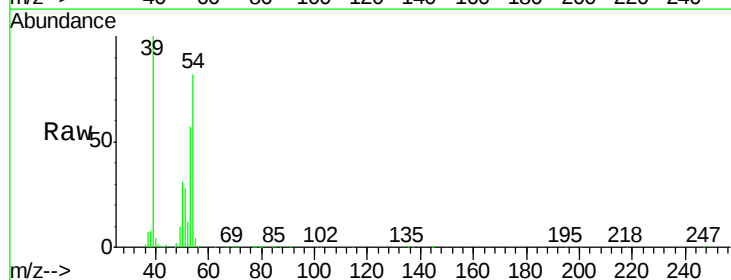
Manual Integrations
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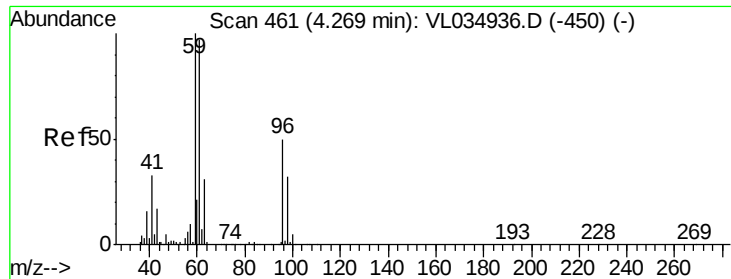
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#16
1,3-Butadiene
Concen: 9.521 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 39 Resp: 594214
Ion Ratio Lower Upper
39 100
54 82.3 66.6 100.0





#17

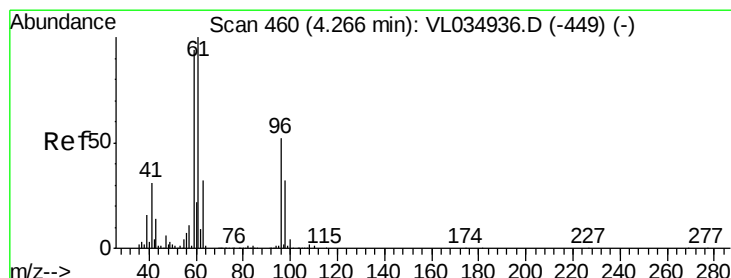
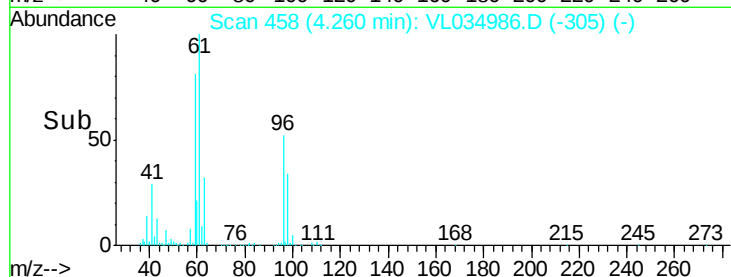
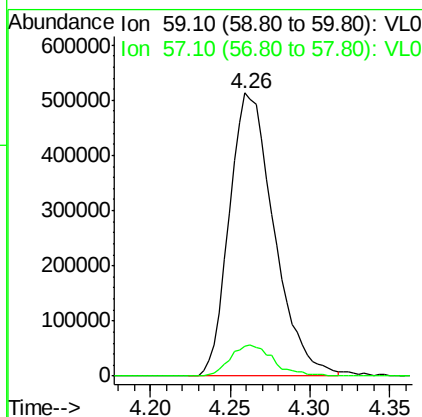
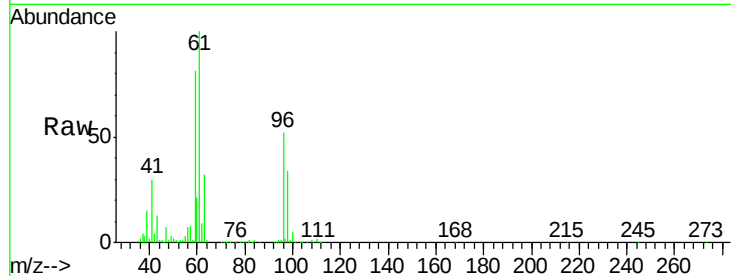
tert-Butyl alcohol
Concen: 7.584 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

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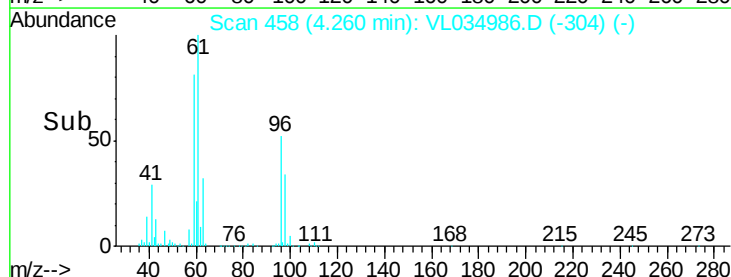
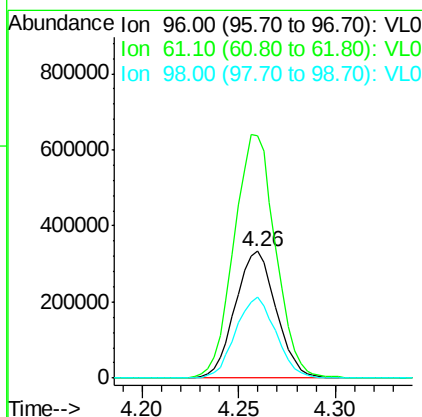
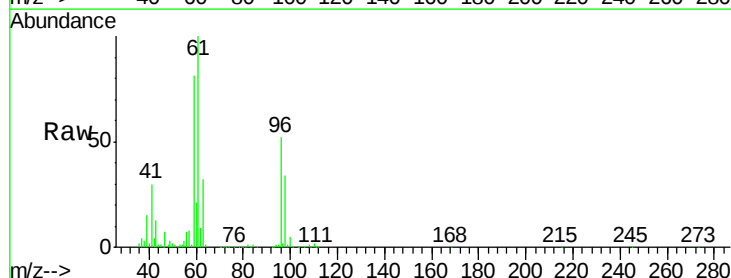
MMDadoda
5/13/2020 5:11:38 PM

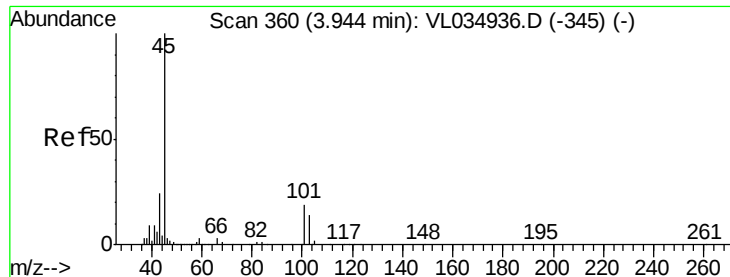


#18

1,1-Dichloroethene
Concen: 9.904 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.8	152.4	228.6
98	64.4	48.8	73.2





#19

Isopropyl Alcohol

Concen: 7.332 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 45 Resp: 709136

Ion Ratio Lower Upper

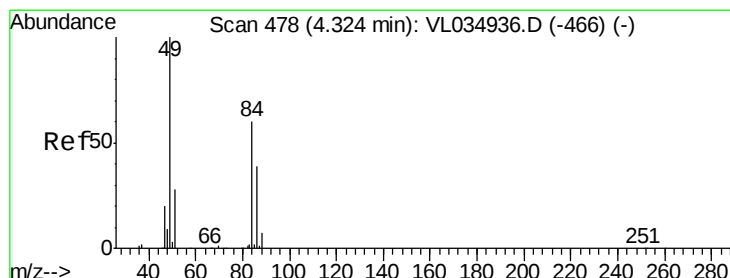
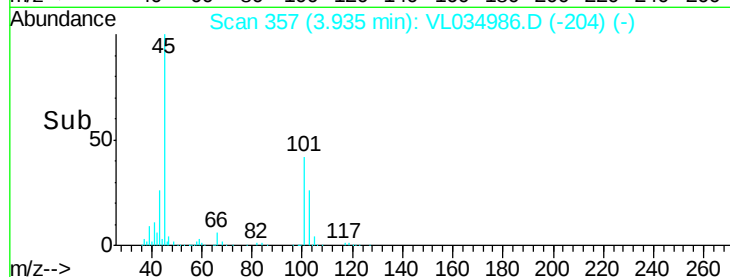
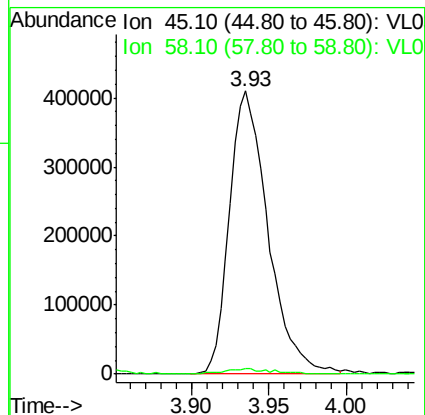
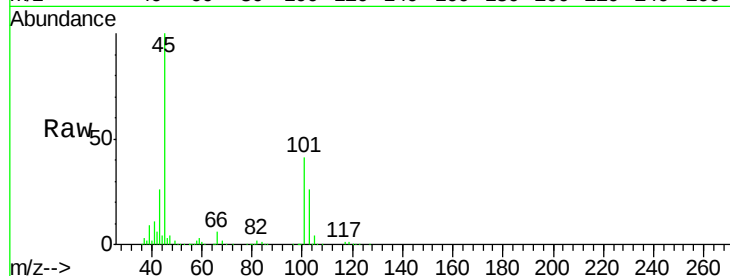
45 100

58 2.7 1.7 2.5#

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#20

Methylene Chloride

Concen: 9.162 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion: 84 Resp: 439827

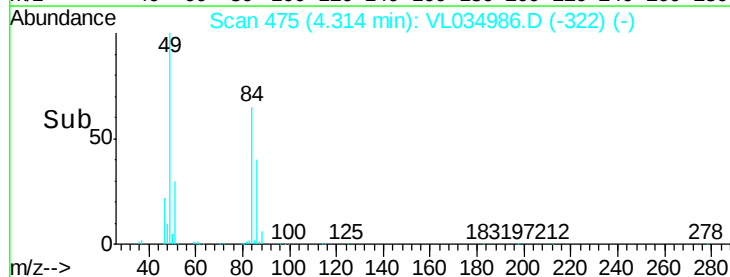
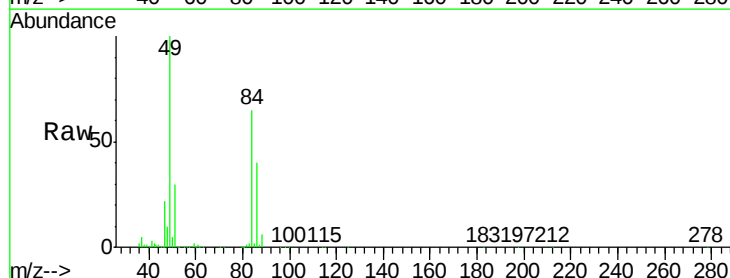
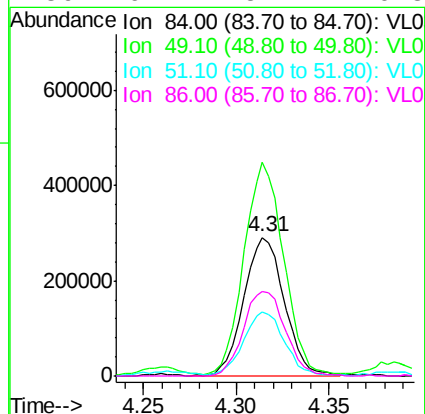
Ion Ratio Lower Upper

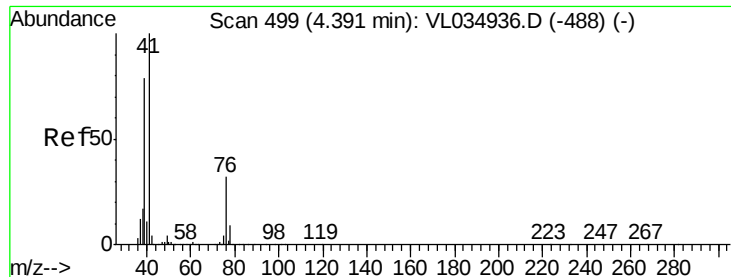
84 100

49 152.7 132.5 198.7

51 46.0 38.4 57.6

86 61.1 51.2 76.8





#21

Allvl Chloride

Concen: 10.125 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

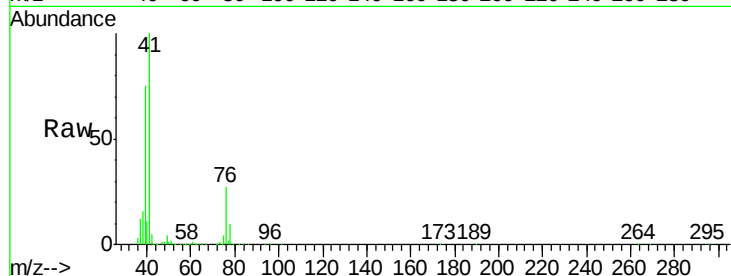
ClientSampleId :

VL0512ABS01

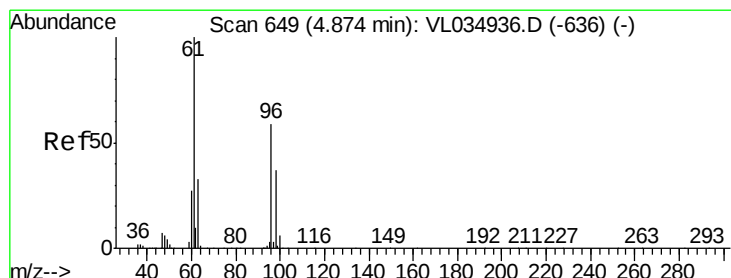
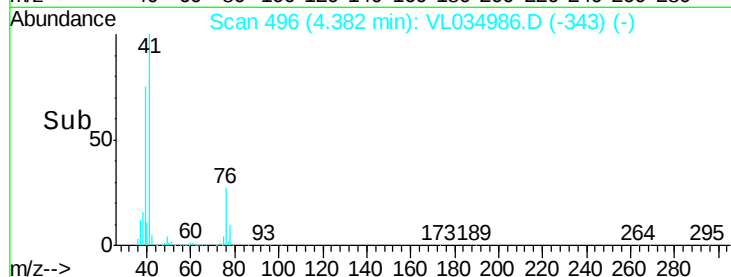
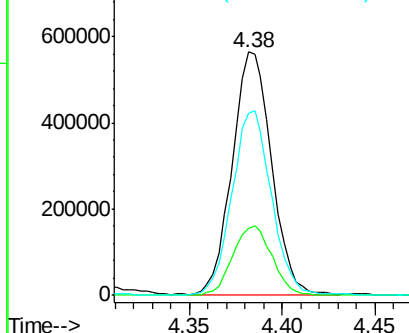
Tot Ion:	41	Resp:	829390
Ion Ratio		Lower	Upper
41	100		
76	28.7	23.6	35.4
39	76.2	61.9	92.9

Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.771 ppbv

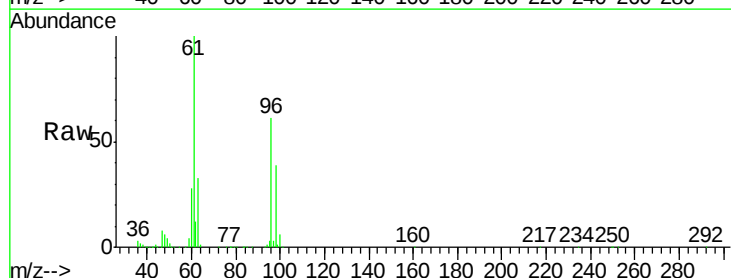
RT: 4.86 min Scan# 646

Delta R.T. -0.01 min

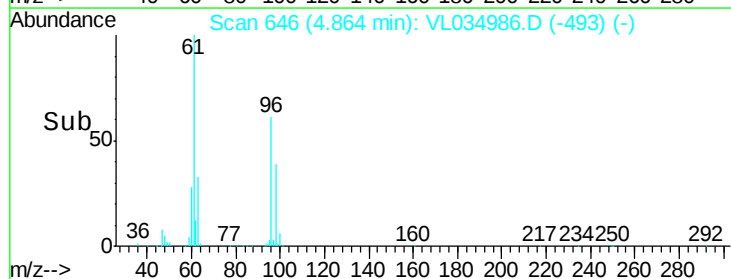
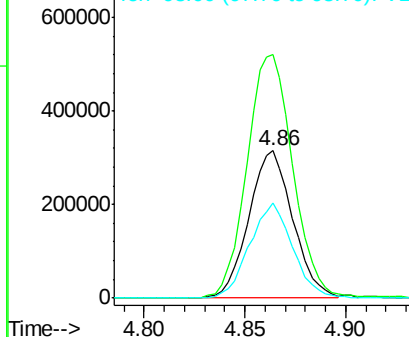
Lab File: VL034986.D

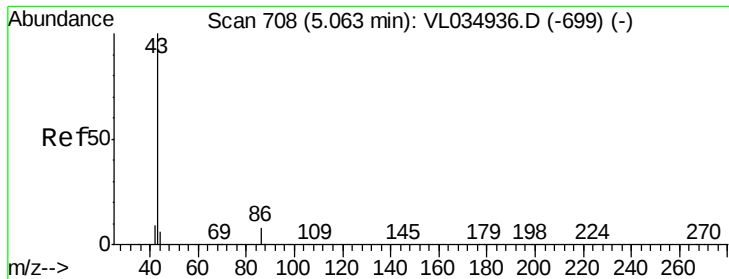
Acq: 12 May 2020 13:45

Tgt Ion:	96	Resp:	479973
Ion Ratio		Lower	Upper
96	100		
61	165.3	135.3	202.9
98	64.6	50.4	75.6



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.656 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL034986.D

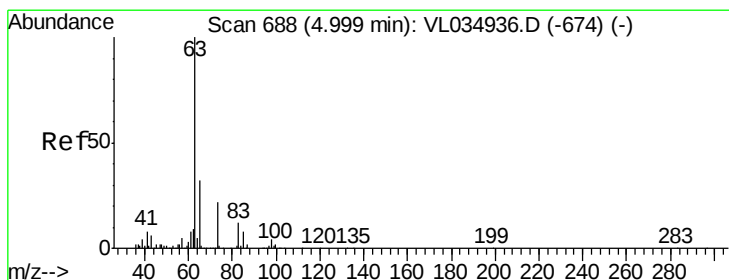
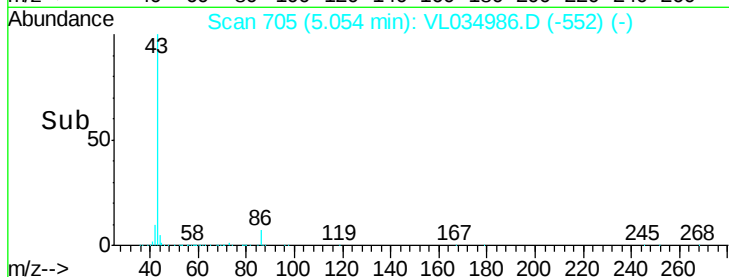
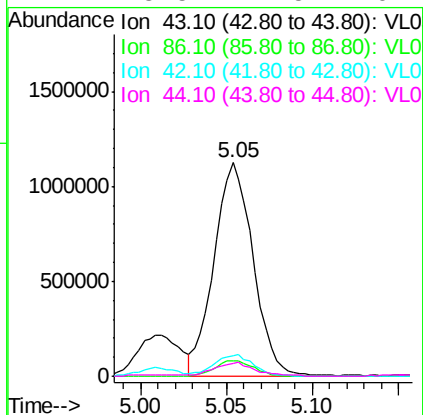
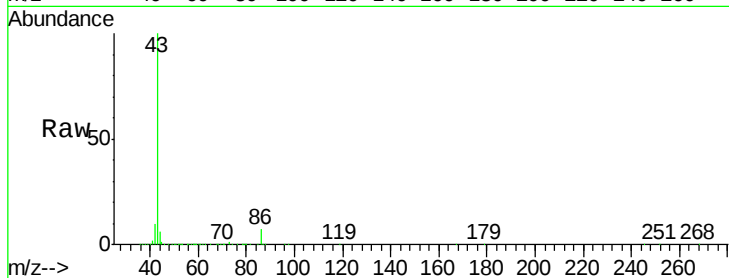
Acq: 12 May 2020 13:45

Tot Ion	43	Resp	1775754
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	9.6	8.0	12.0
44	5.5	4.5	6.7

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.284 ppbv

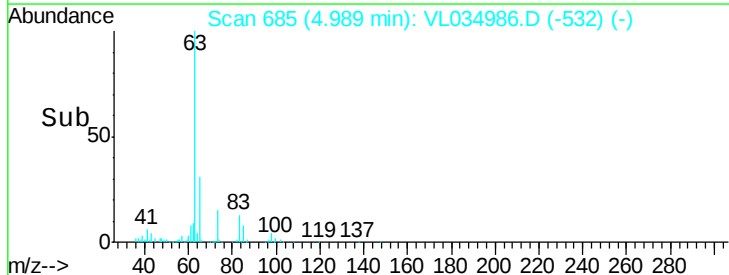
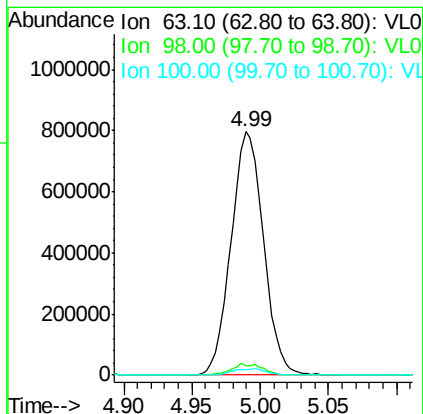
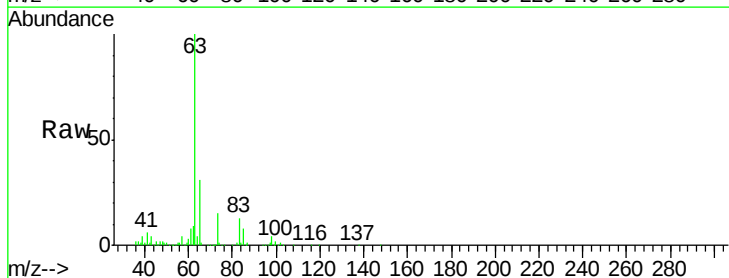
RT: 4.99 min Scan# 685

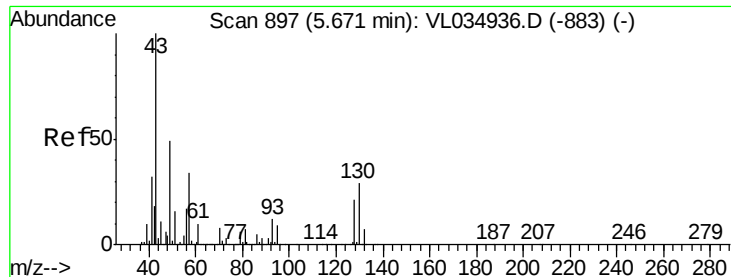
Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion	63	Resp	1315070
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.0	6.0
100	2.2	1.1	3.5





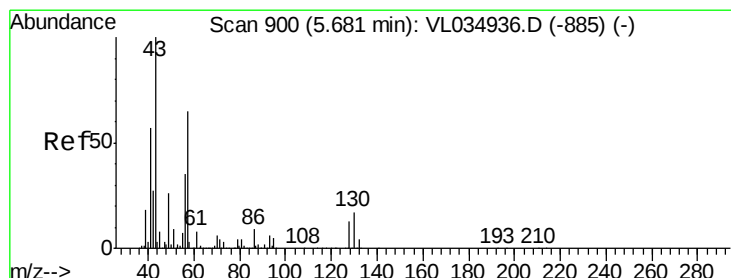
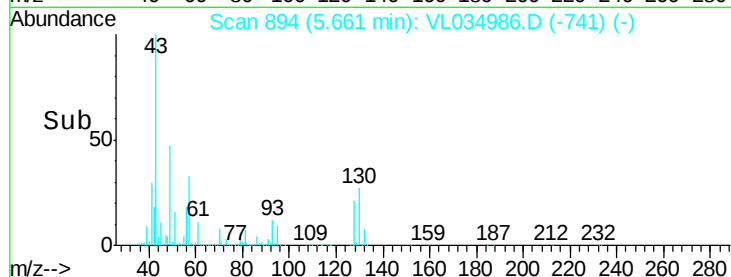
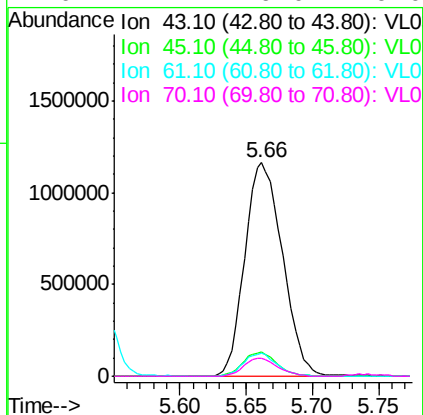
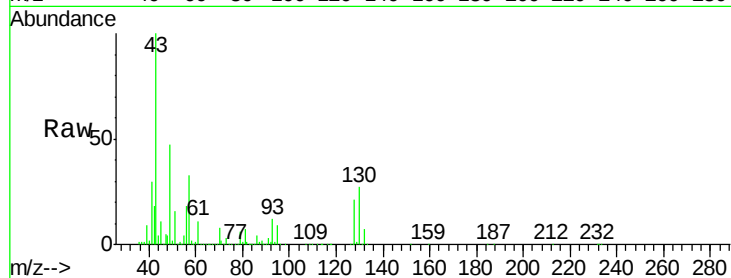
#25
Ethyl Acetate
Concen: 9.411 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.2	8.1	12.1	
61	9.7	7.8	11.8	
70	7.7	6.0	9.0	

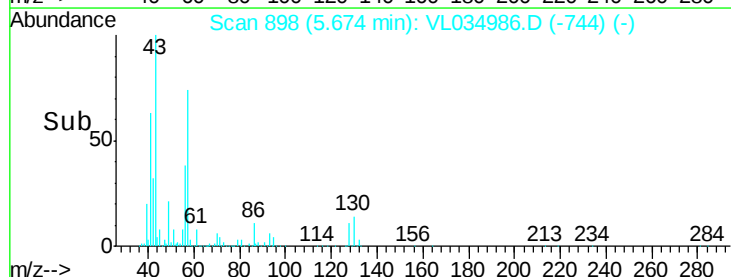
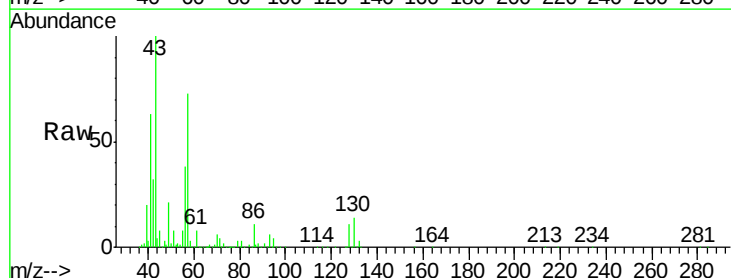
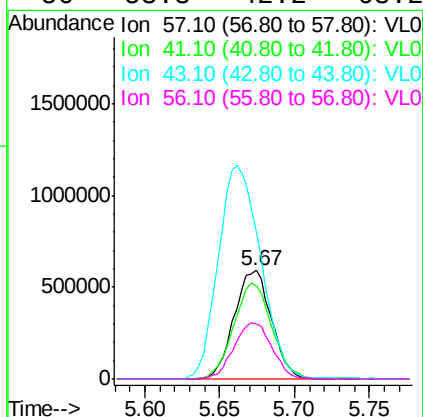
Manual Integrations
APPROVED

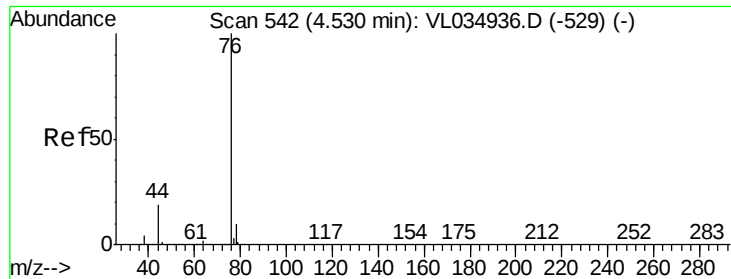
MMDadoda
5/13/2020 5:11:38 PM



#26
Hexane
Concen: 9.688 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.1	72.7	109.1	
43	225.8	182.1	273.1	
56	53.3	42.2	63.2	





#27

Carbon Disulfide

Concen: 10.225 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 76 Resp: 1272762

Ion Ratio Lower Upper

76 100

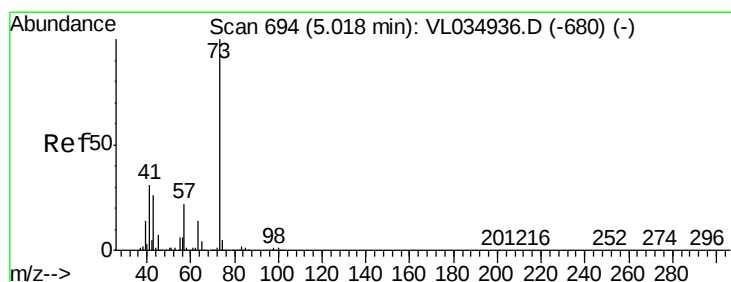
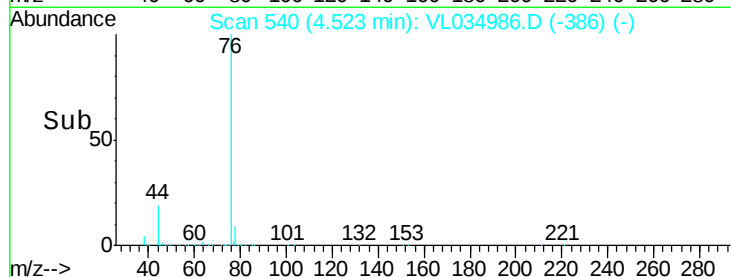
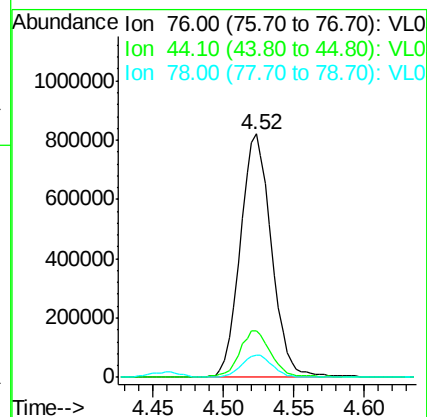
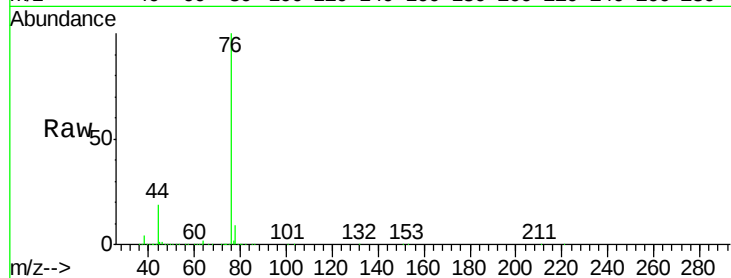
44 18.7 15.2 22.8

78 9.2 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 9.324 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL034986.D

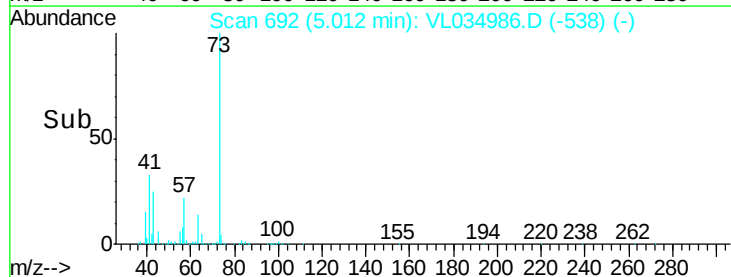
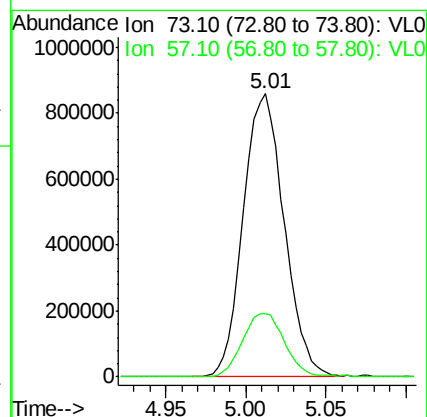
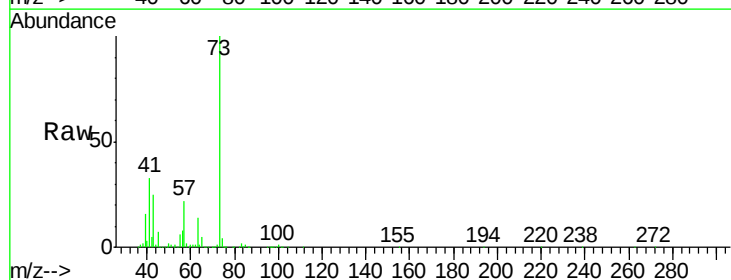
Acq: 12 May 2020 13:45

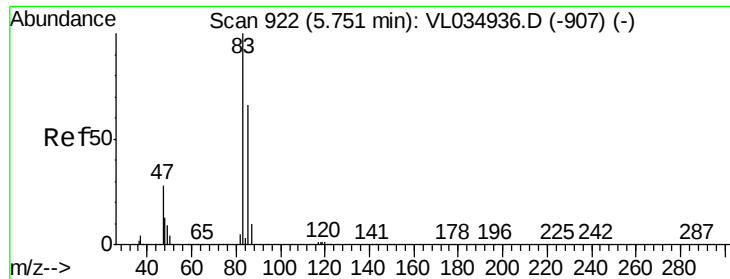
Tgt Ion: 73 Resp: 1499631

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5





#29

Chloroform

Concen: 9.161 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 83 Resp: 1583027

Ion Ratio Lower Upper

83 100

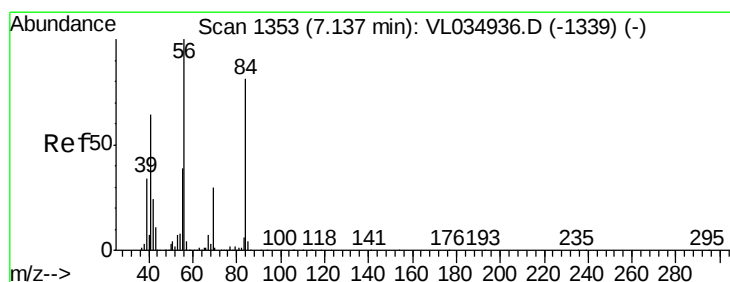
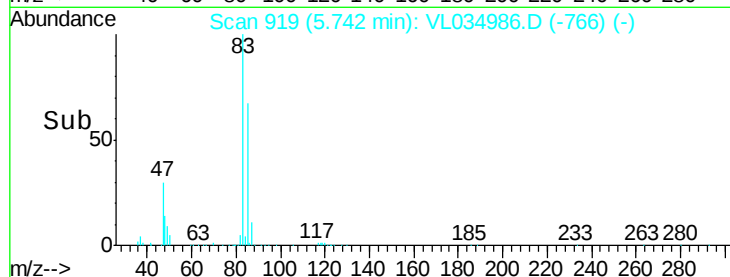
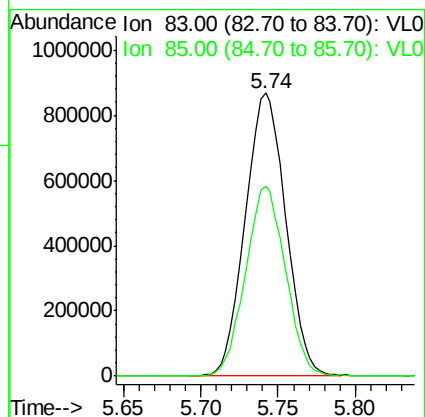
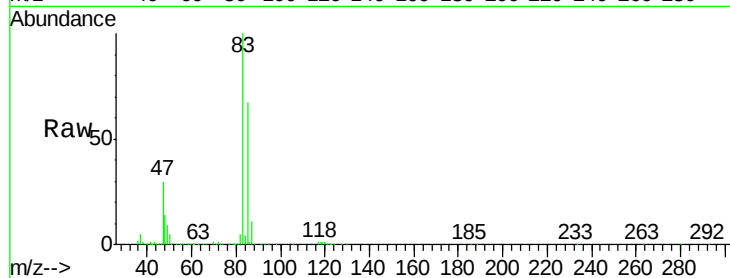
85 66.9 53.0 79.6

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#30

Cyclohexane

Concen: 10.471 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

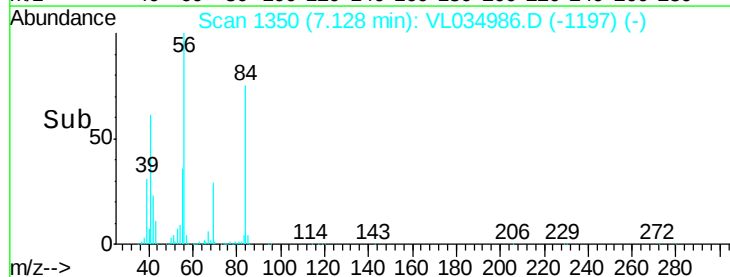
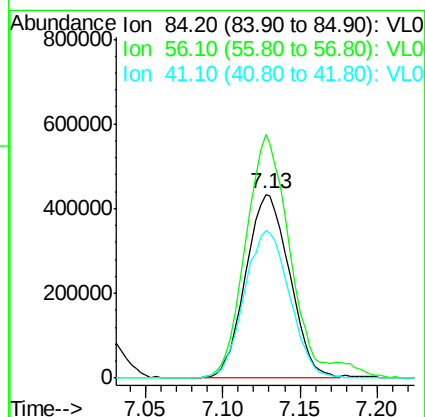
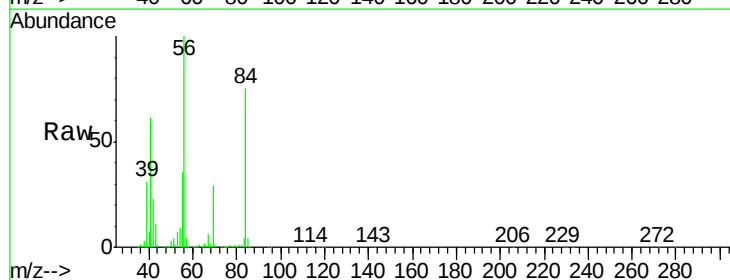
Tgt Ion: 84 Resp: 853324

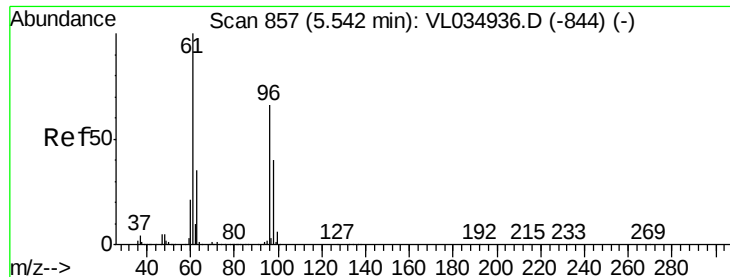
Ion Ratio Lower Upper

84 100

56 137.4 111.4 167.2

41 83.2 66.7 100.1





#31

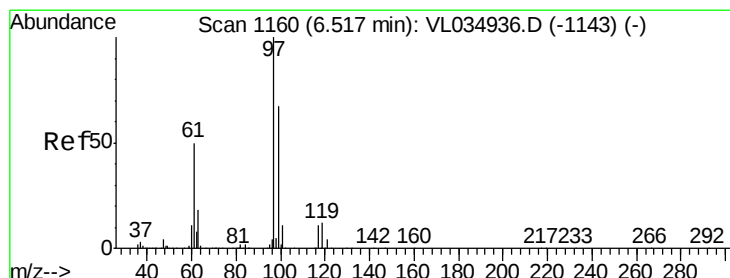
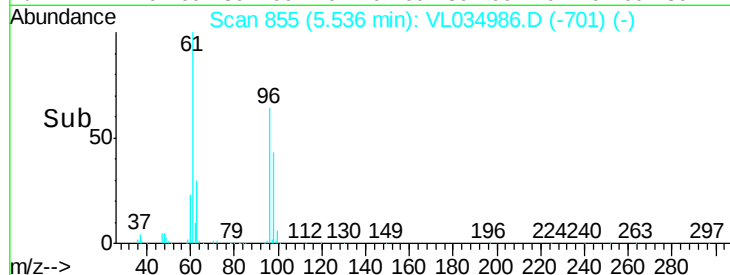
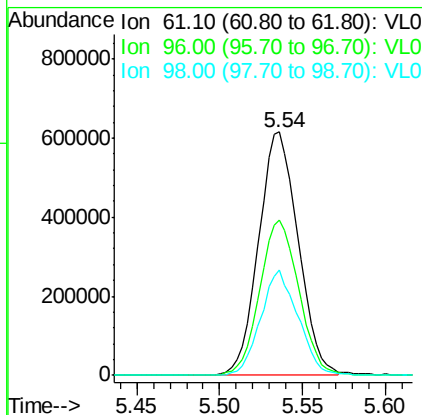
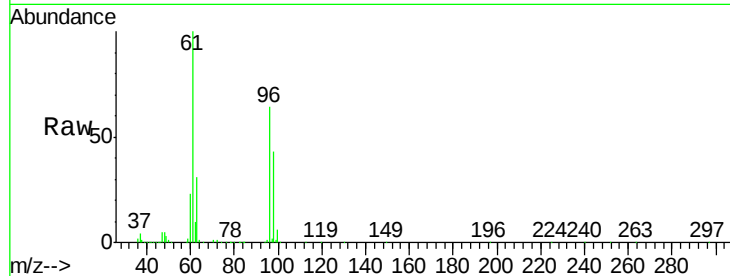
cis-1,2-Dichloroethene
 Concen: 9.902 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.8	53.0	79.6
98	43.2	32.2	48.2

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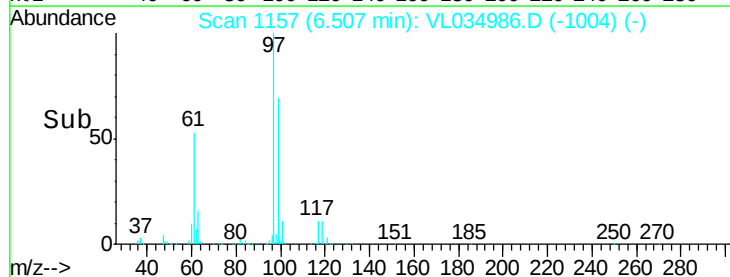
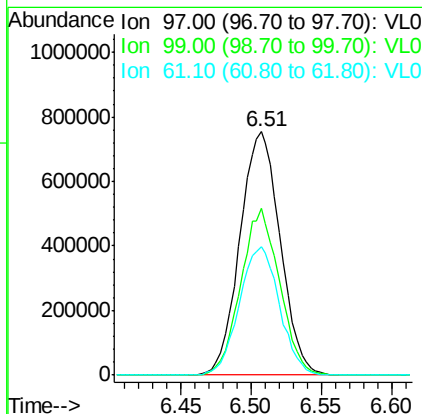
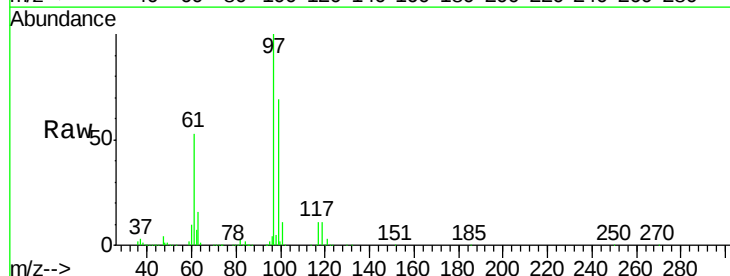
MMDadoda
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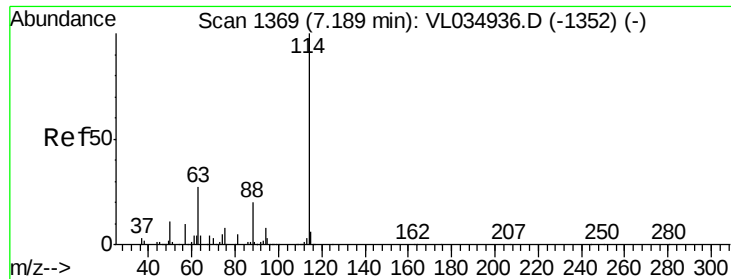


#32

1,1,1-Trichloroethane
 Concen: 9.660 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.1	78.1
61	52.7	41.8	62.8





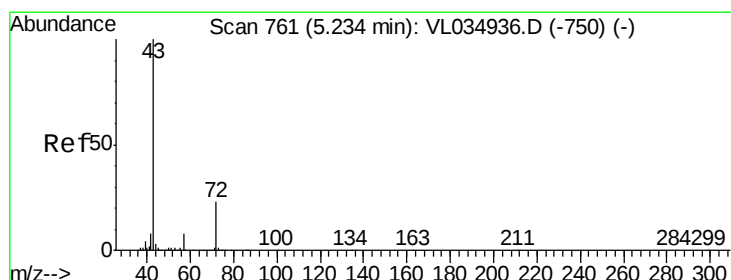
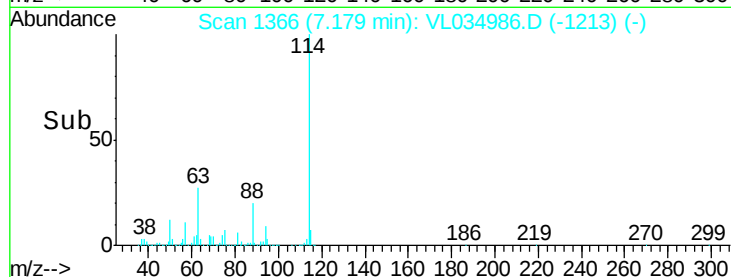
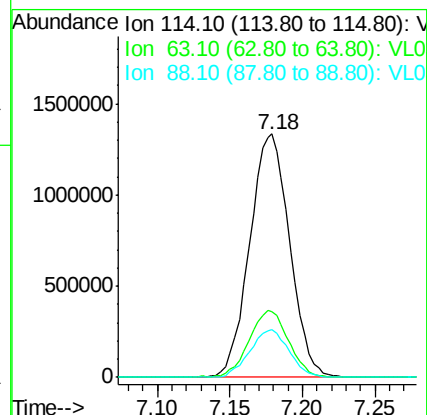
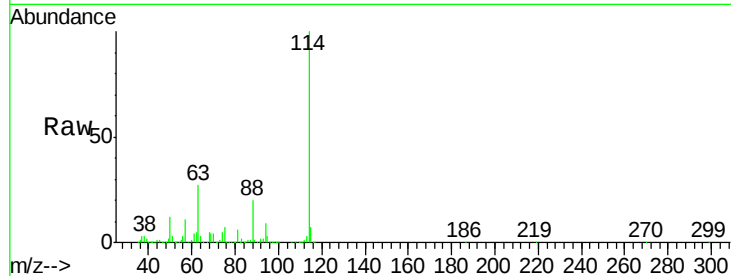
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion:114 Resp: 2551828
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.2 33.4
 88 19.3 15.5 23.3

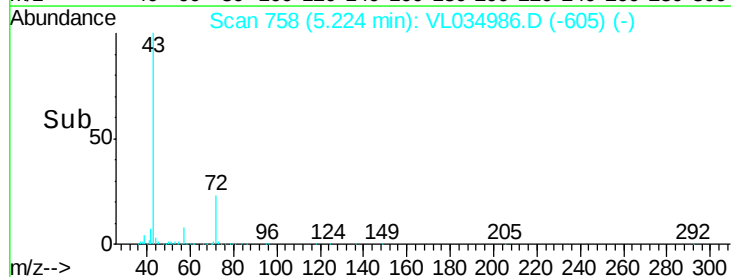
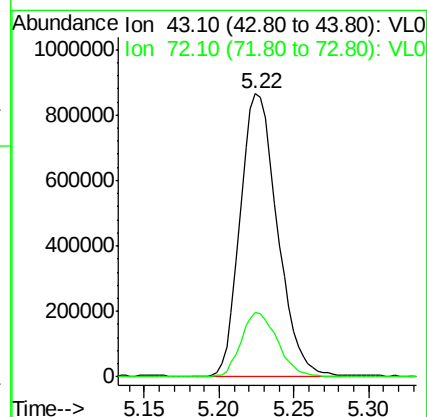
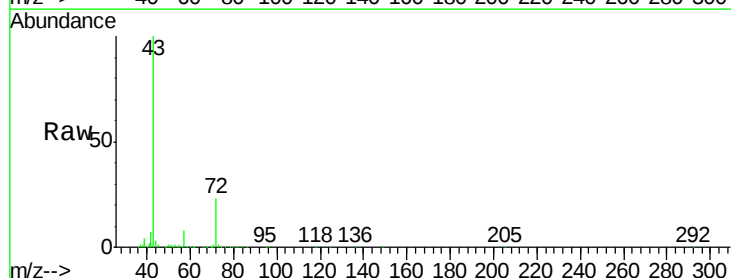
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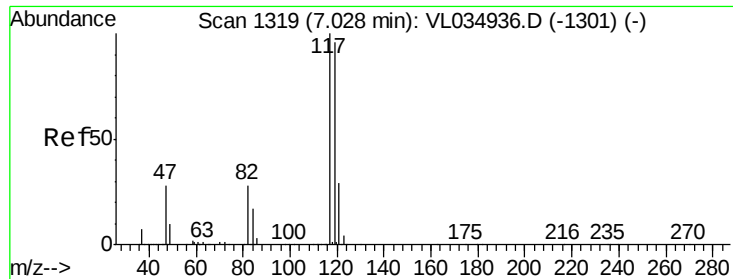
MMDadoda
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#34
 2-Butanone
 Concen: 9.468 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 43 Resp: 1501681
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.0 27.0





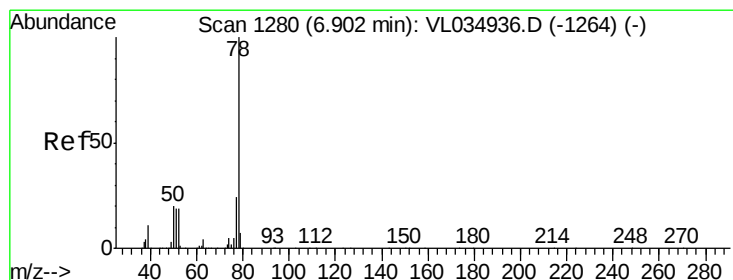
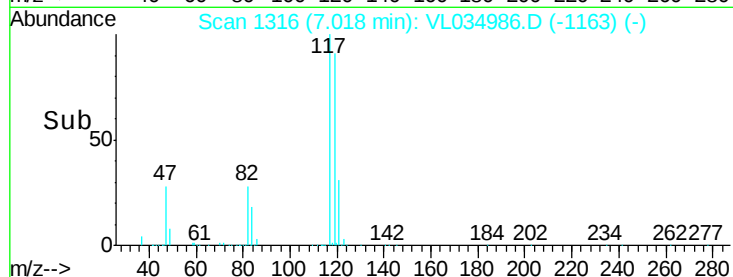
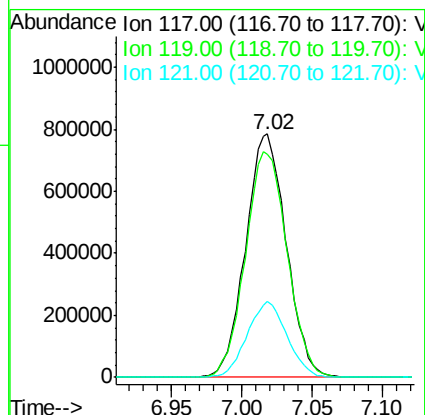
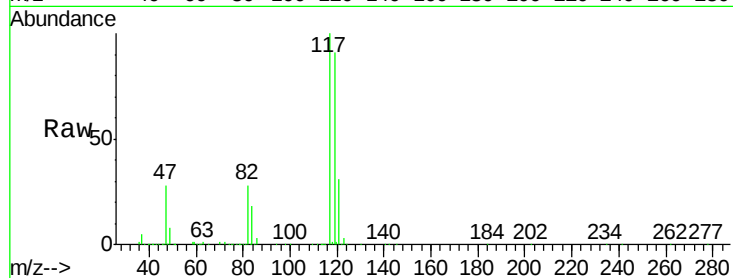
#35
Carbon Tetrachloride
Concen: 9.815 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.0	115.6
121	30.9	23.0	34.6

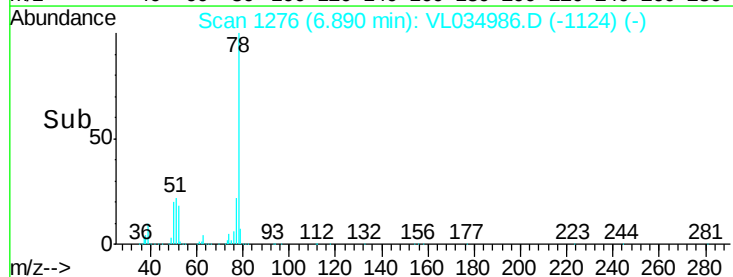
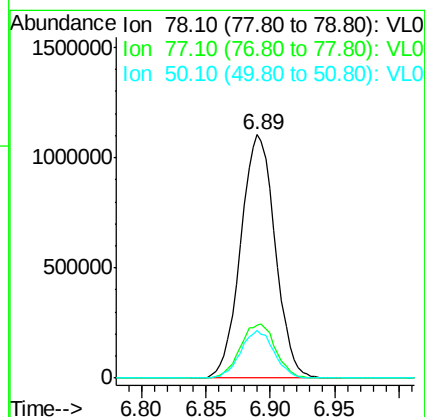
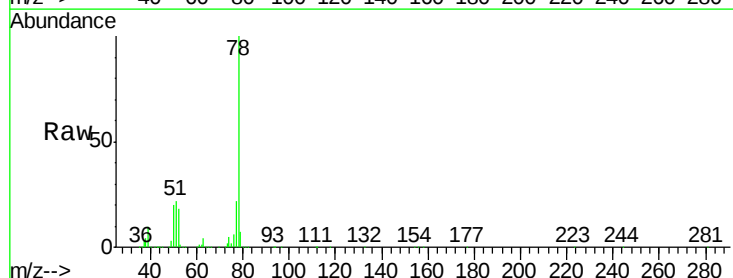
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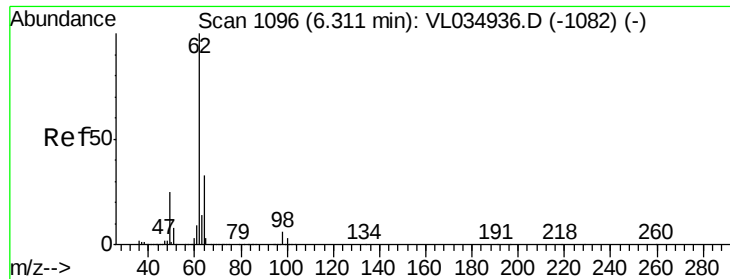
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#36
Benzene
Concen: 9.758 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.0	28.6
50	19.6	15.8	23.8





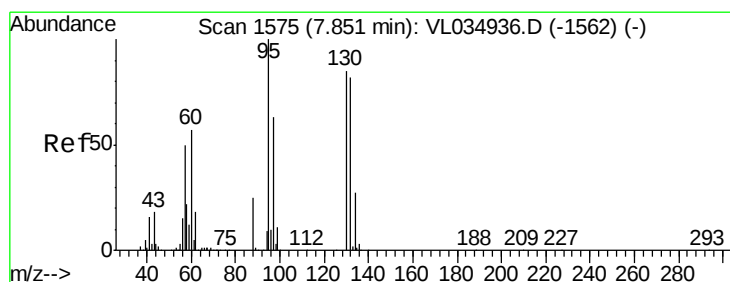
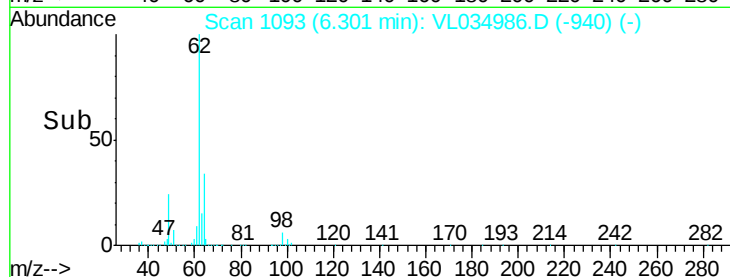
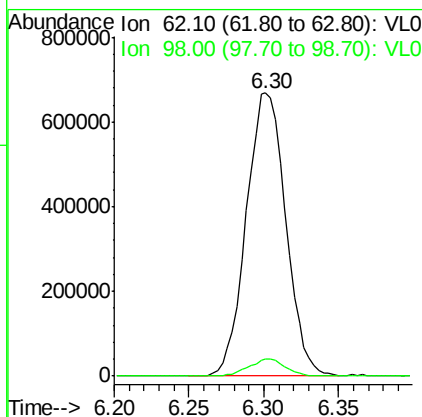
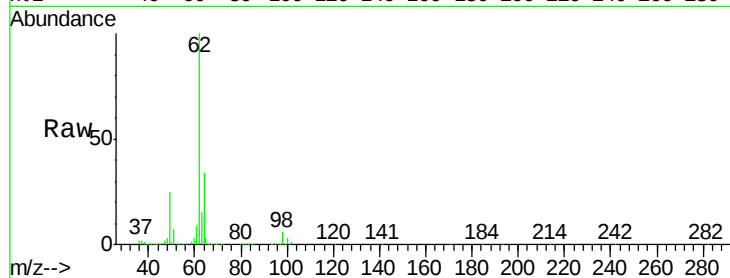
#37
 1,2-Dichloroethane
 Concen: 9.468 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion: 62 Resp: 1228730
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.8 7.2

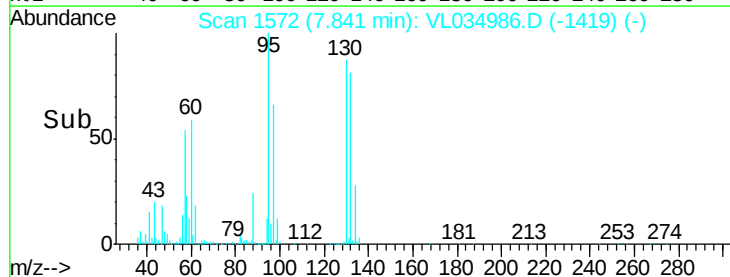
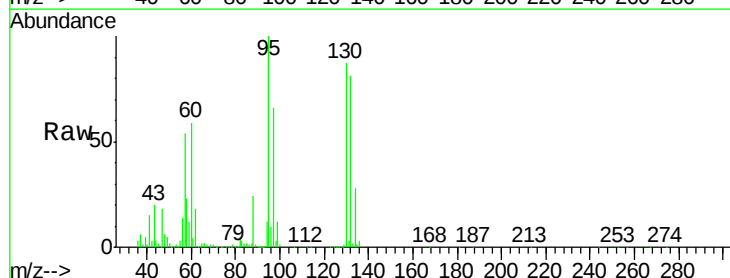
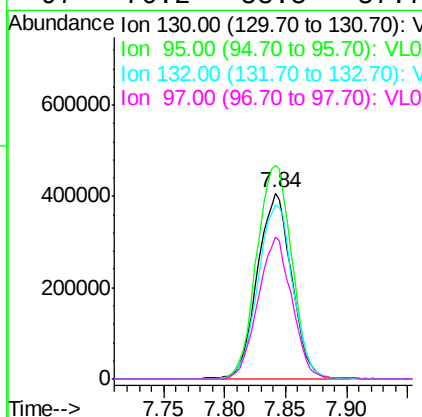
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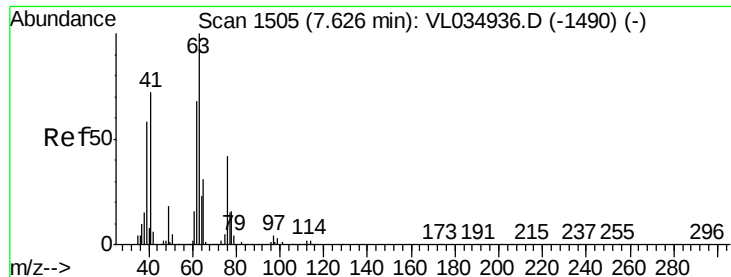
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#38
 Trichloroethene
 Concen: 9.657 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 130 Resp: 787101
 Ion Ratio Lower Upper
 130 100
 95 114.9 93.4 140.0
 132 93.5 76.4 114.6
 97 76.2 58.5 87.7





#39

1,2-Dichloropropane

Concen: 9.614 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

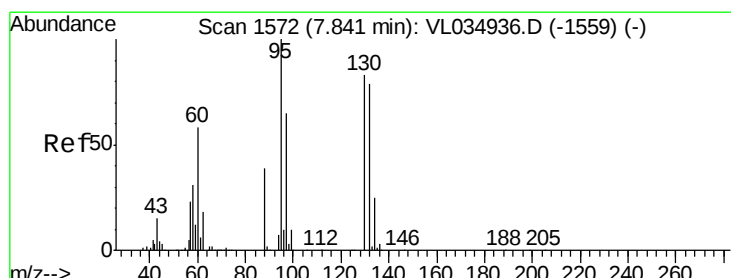
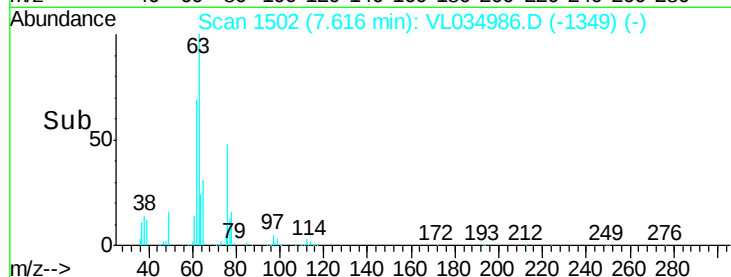
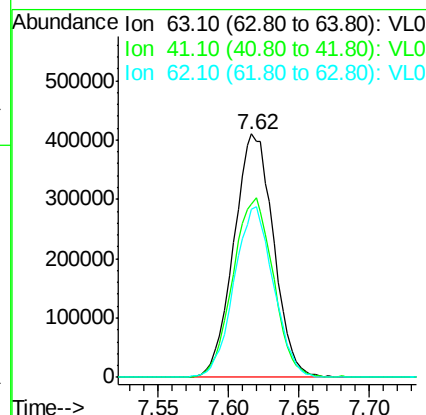
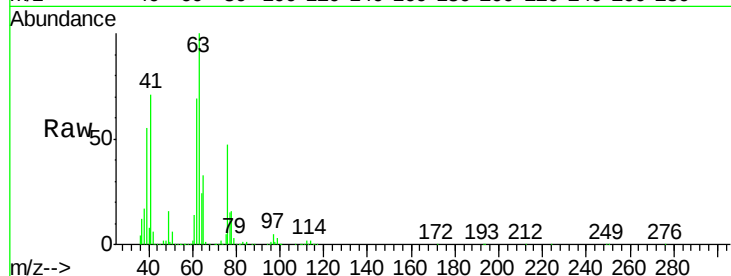
ClientSampleId :

VL0512ABS01

Tot Ion:	63	Resp:	810854
Ion Ratio	Lower	Upper	
63	100		
41	71.0	57.8	86.8
62	69.0	54.2	81.2

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#40

1,4-Dioxane

Concen: 8.554 ppbv

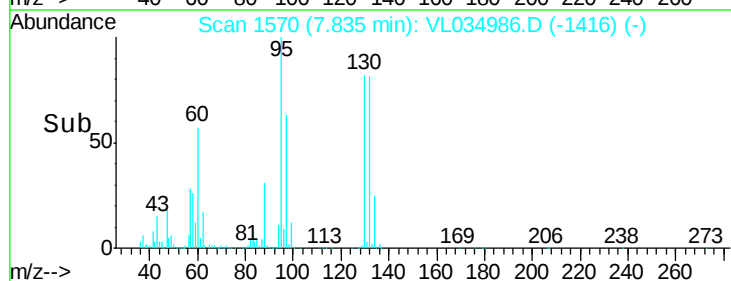
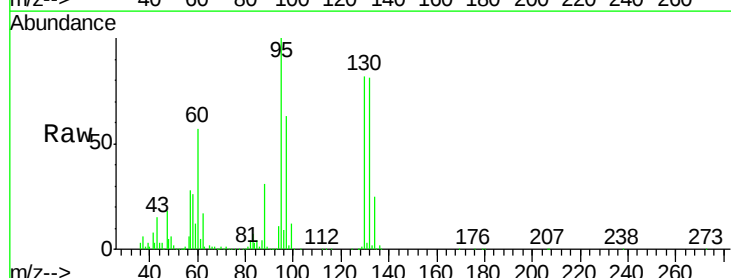
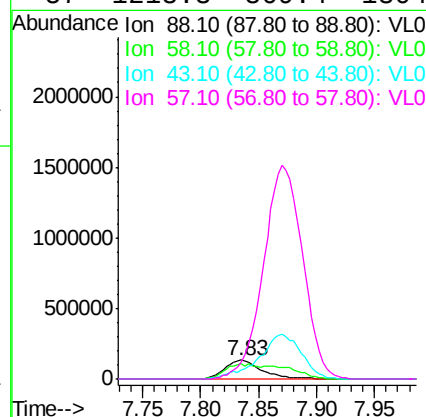
RT: 7.83 min Scan# 1570

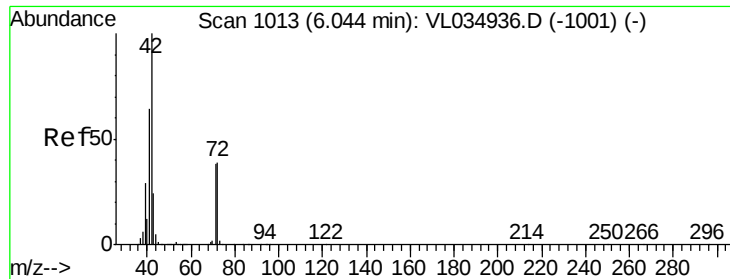
Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion:	88	Resp:	293254
Ion Ratio	Lower	Upper	
88	100		
58	135.5	105.1	157.7
43	276.3	202.6	303.8
57	1218.3	869.4	1304.0





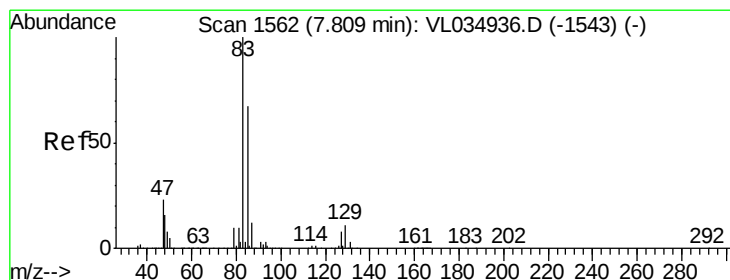
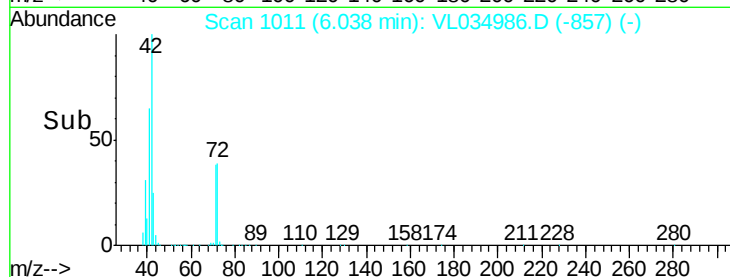
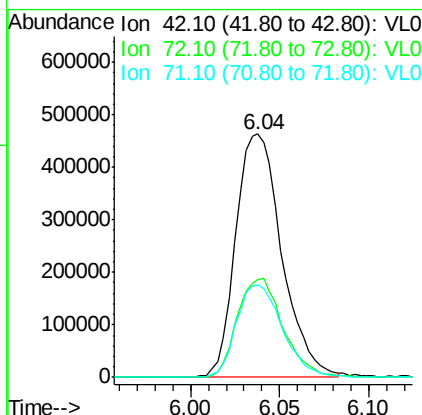
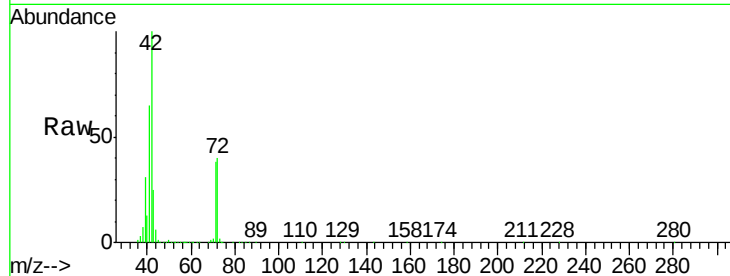
#41
Tetrahydrofuran
Concen: 9.974 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	31.4	47.0
71	38.3	29.8	44.8

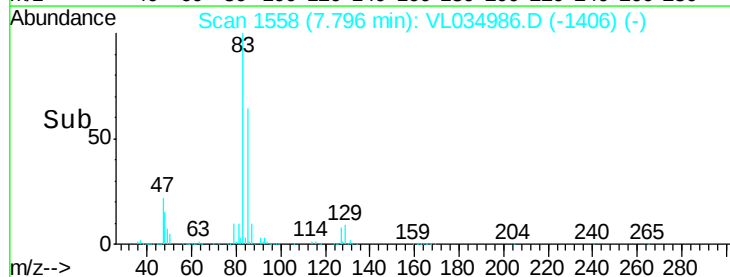
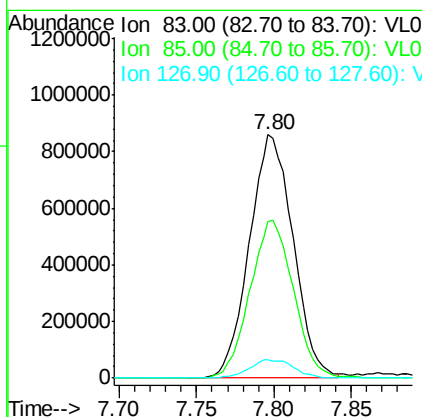
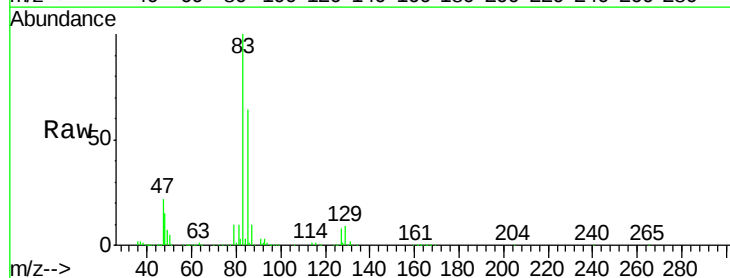
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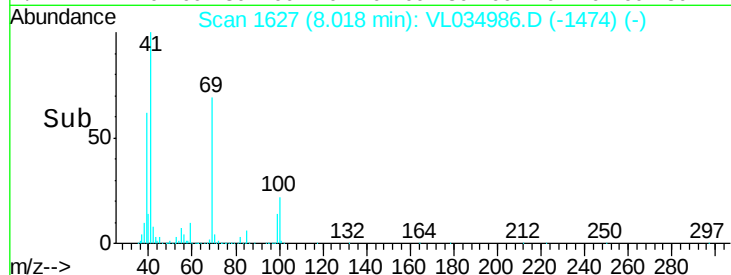
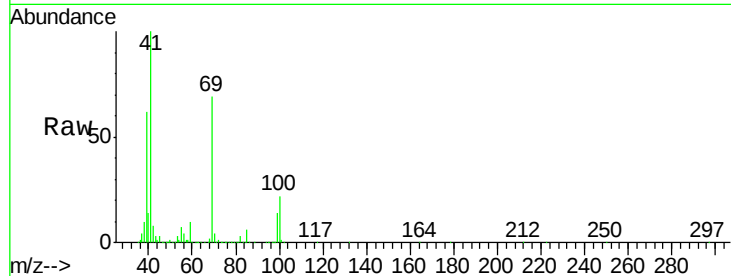
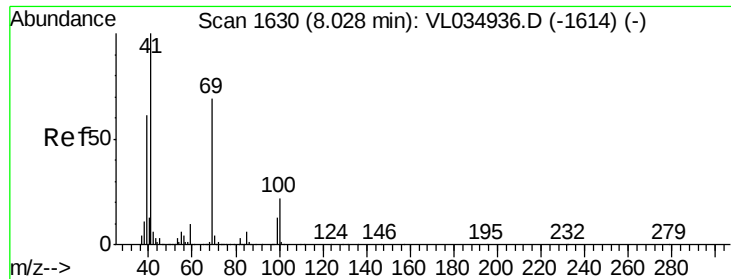
MMDadoda
5/13/2020 5:11:38 PM



#42
Bromodichloromethane
Concen: 9.658 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.4	80.0
127	7.7	6.1	9.1





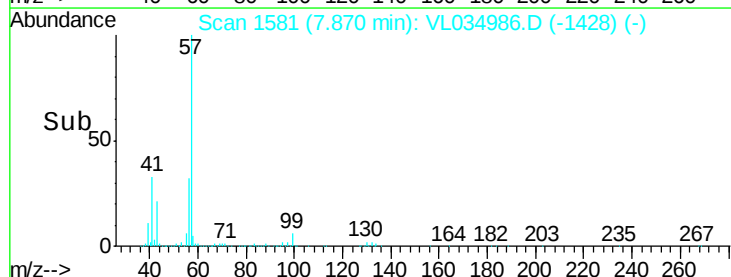
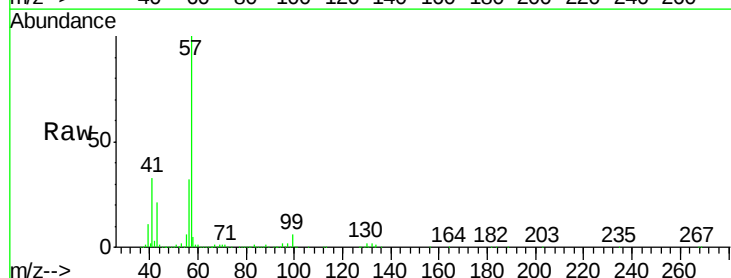
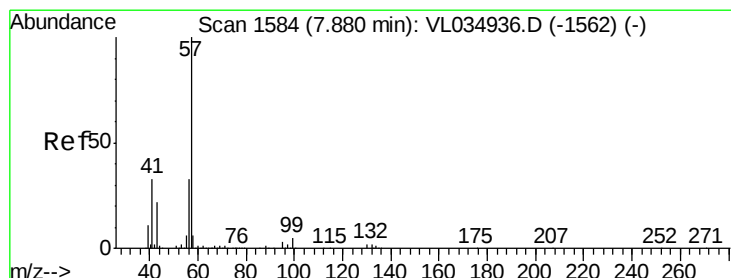
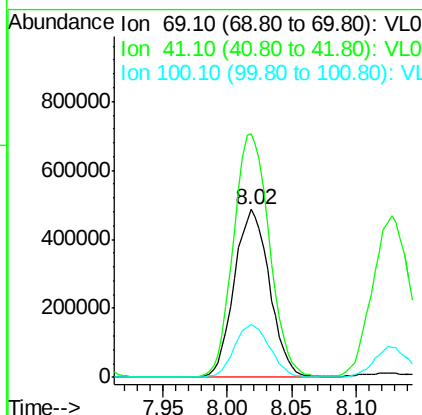
#43
Methvl Methacrilate
Concen: 10.466 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.4	119.8	179.6	
100	31.8	25.0	37.6	

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

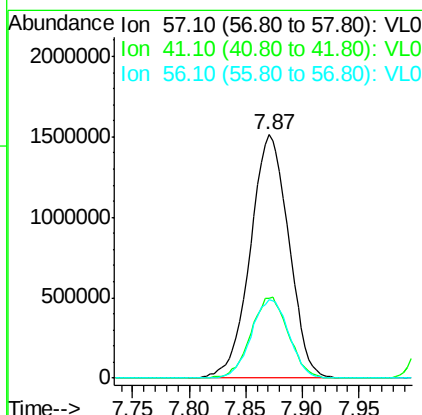
Manual Integrations
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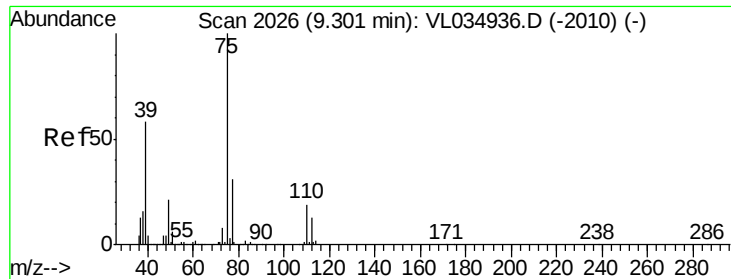
MMDadoda
5/13/2020 5:11:38 PM



#44
2,2,4-Trimethylpentane
Concen: 9.533 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.6	26.4	39.6	
56	31.6	25.5	38.3	





#45

t-1,3-Dichloropropene

Concen: 11.582 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 75 Resp: 1038323

Ion Ratio Lower Upper

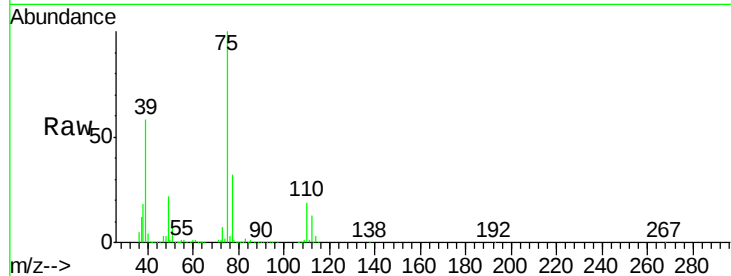
75 100

77 32.4 24.9 37.3

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

600000

500000

400000

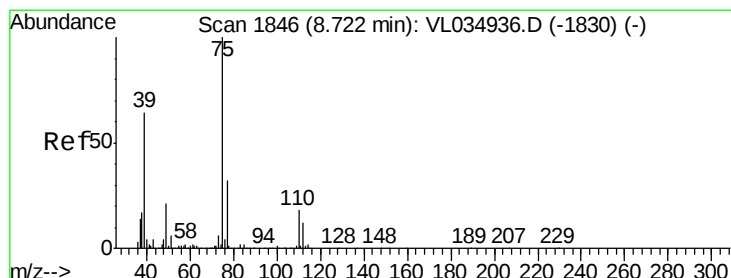
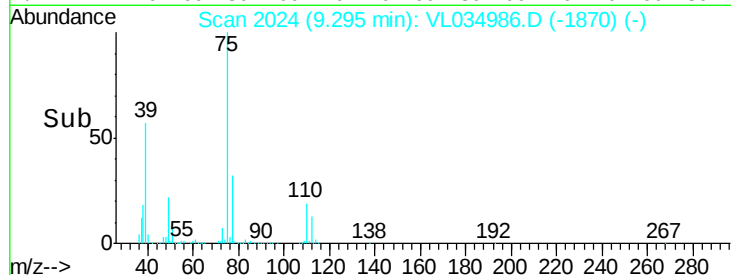
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.181 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

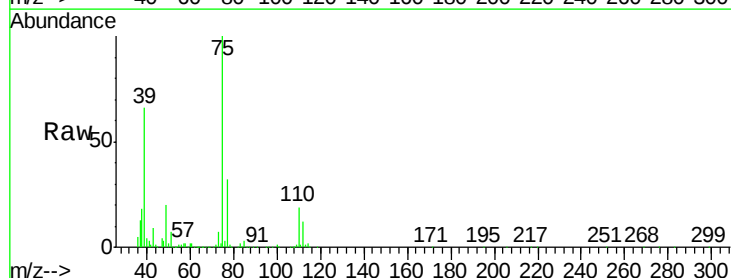
Tgt Ion: 75 Resp: 1230641

Ion Ratio Lower Upper

75 100

39 66.1 51.5 77.3

77 32.0 25.5 38.3



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

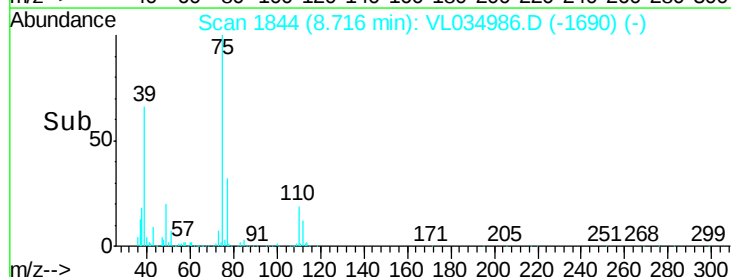
600000

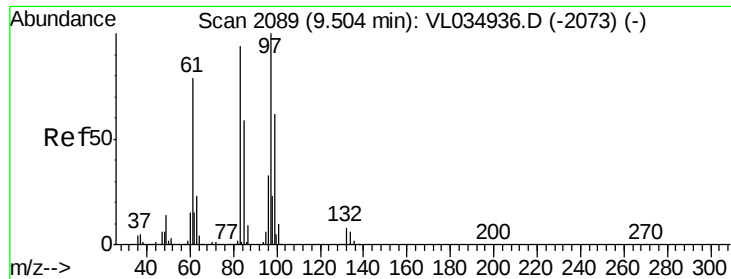
400000

200000

0

Time-->





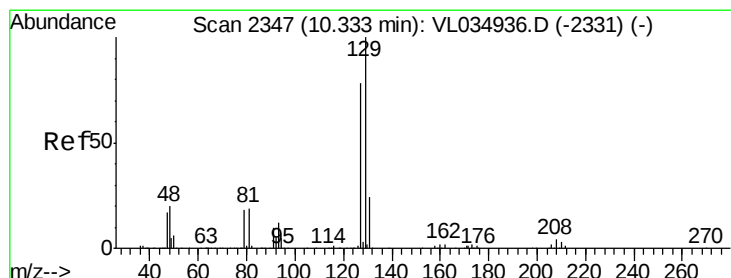
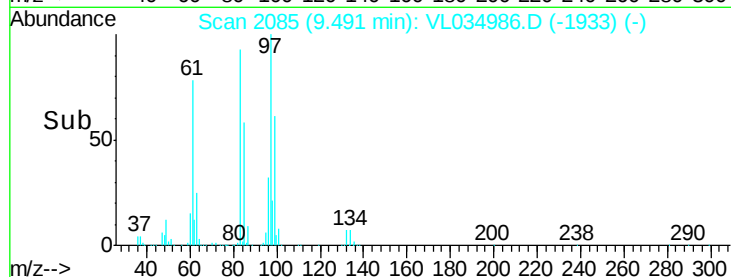
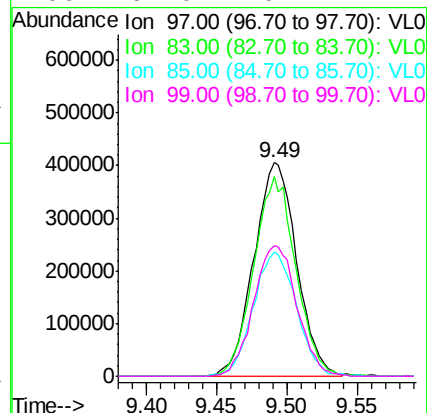
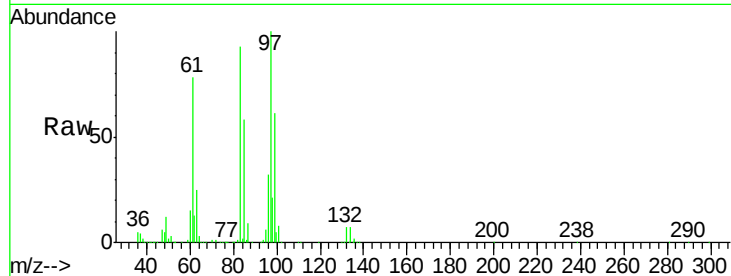
#47
 1,1,2-Trichloroethane
 Concen: 9.649 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.4	75.6	113.4	
85	58.2	47.0	70.6	
99	61.0	49.4	74.2	

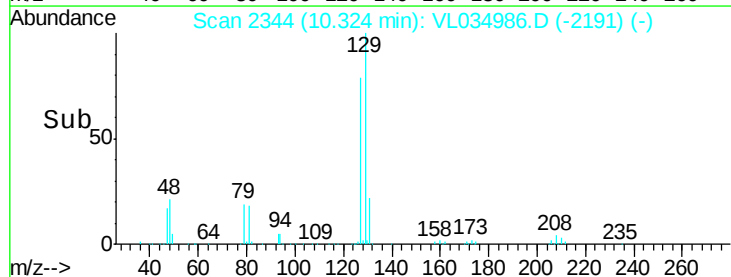
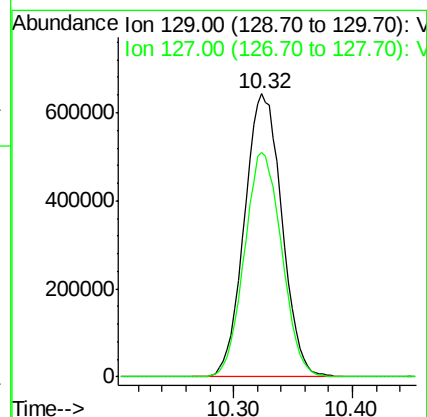
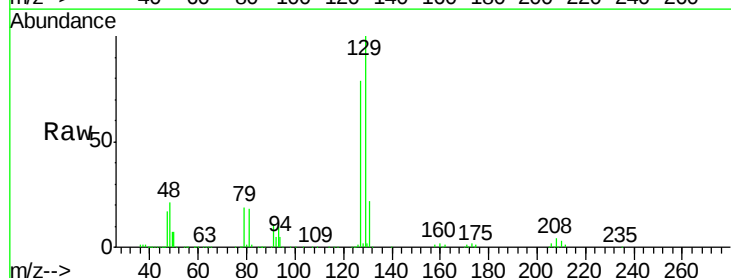
Manual Integrations
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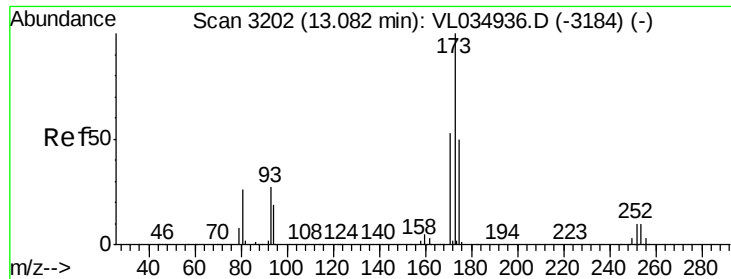
MMDadoda
 5/13/2020 5:11:38 PM



#48
 Dibromochloromethane
 Concen: 10.232 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.0	39.1	117.2	





#49

Bromoform

Concen: 10.396 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion:173 Resp: 1224274

Ion Ratio Lower Upper

173 100

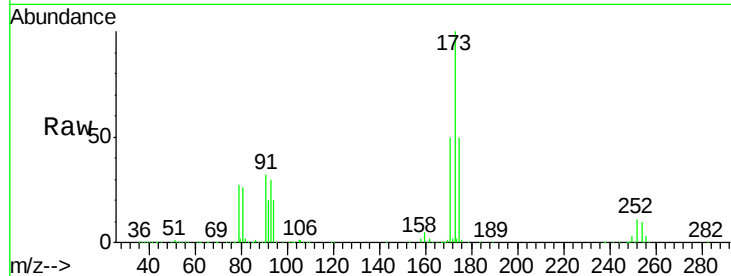
175 49.5 39.0 58.6

171 52.5 41.4 62.2

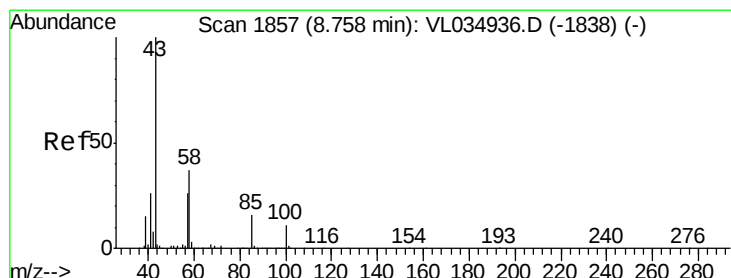
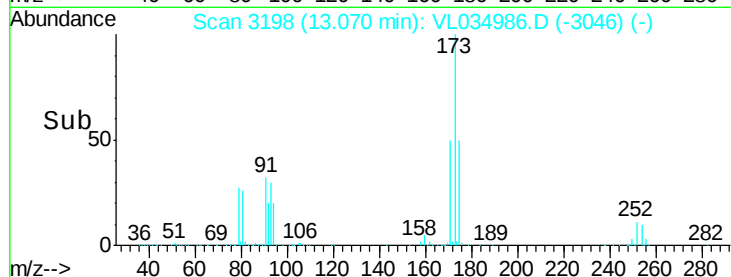
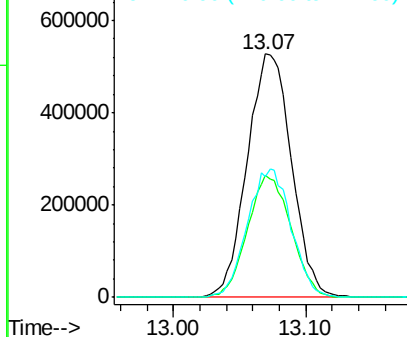
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.975 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL034986.D

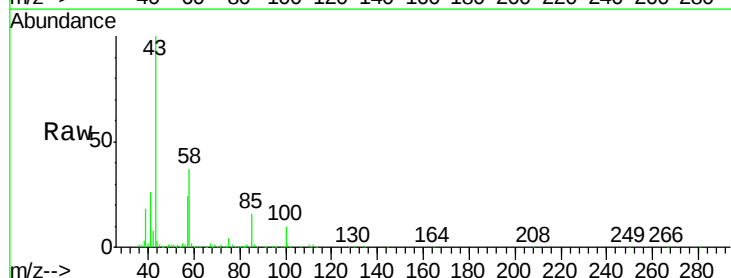
Acq: 12 May 2020 13:45

Tgt Ion: 43 Resp: 2255878

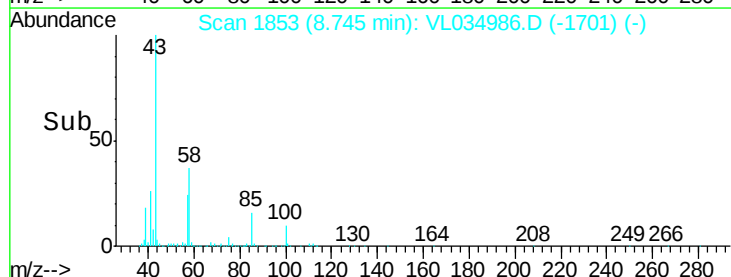
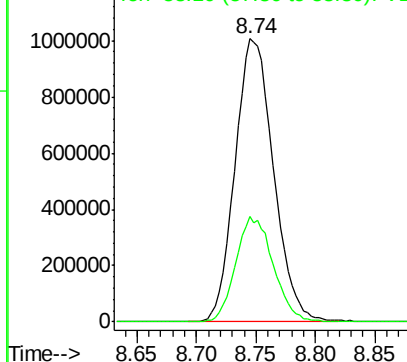
Ion Ratio Lower Upper

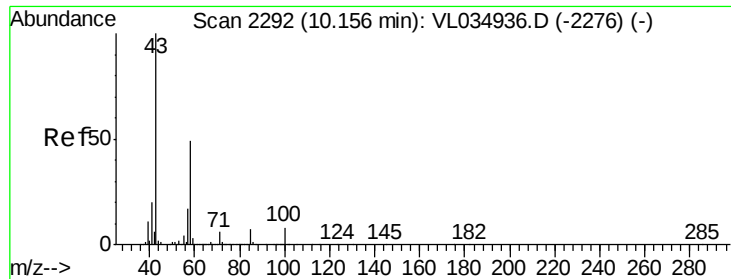
43 100

58 36.2 29.1 43.7



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





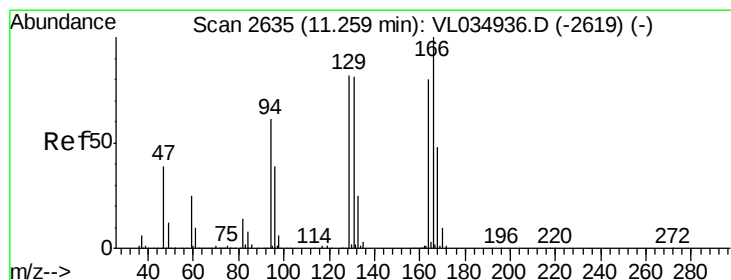
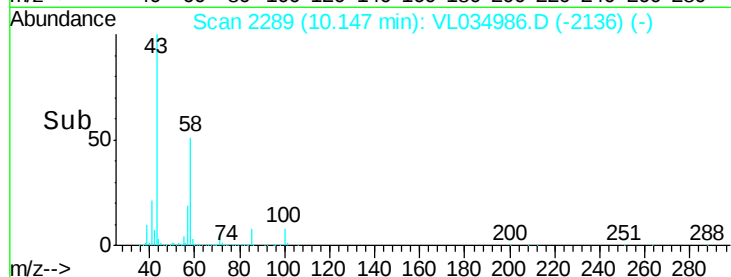
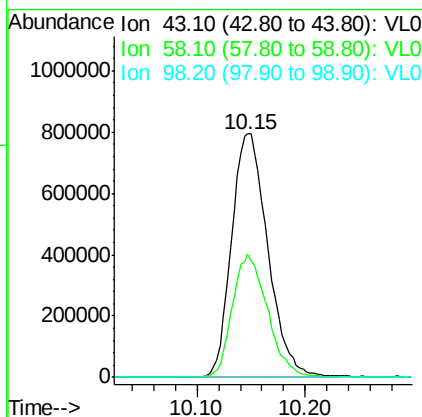
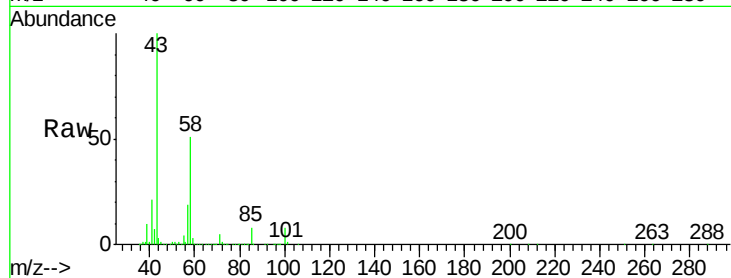
#51
2-Hexanone
Concen: 10.518 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion: 43 Resp: 1860623
Ion Ratio Lower Upper
43 100
58 48.8 39.1 58.7
98 0.3 0.3 0.5#

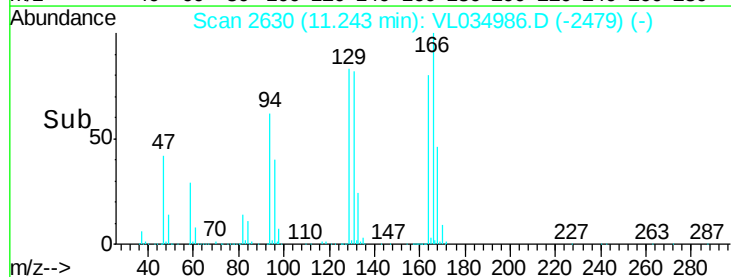
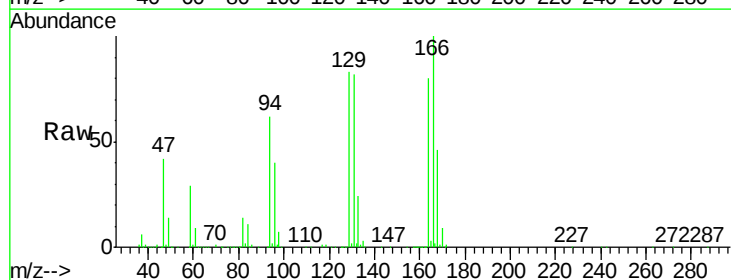
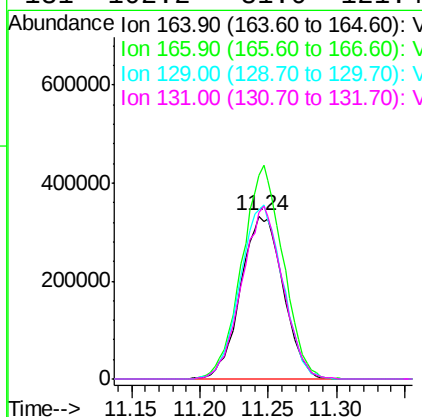
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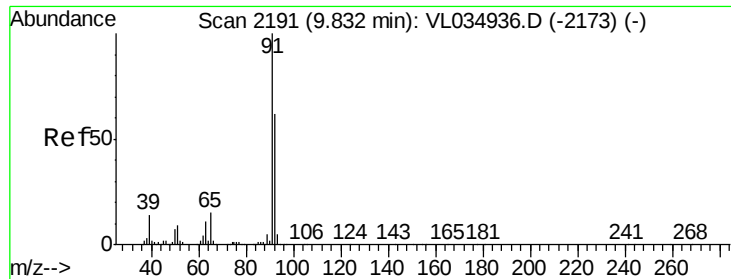
MMDadoda
5/13/2020 5:11:38 PM



#52
Tetrachloroethene
Concen: 9.608 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.02 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion: 164 Resp: 718761
Ion Ratio Lower Upper
164 100
166 124.4 100.7 151.1
129 103.4 83.0 124.4
131 102.2 81.0 121.4





#53

Toluene

Concen: 10.625 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 91 Resp: 2369589

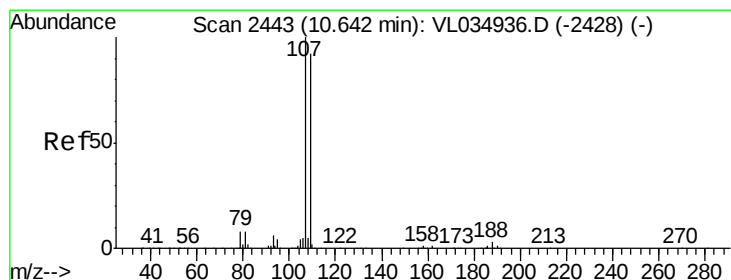
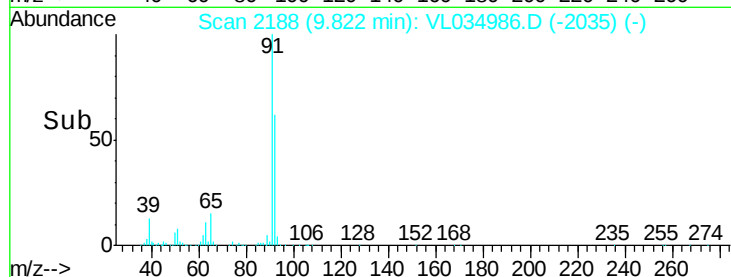
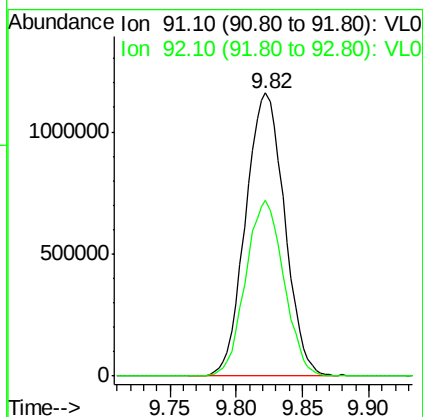
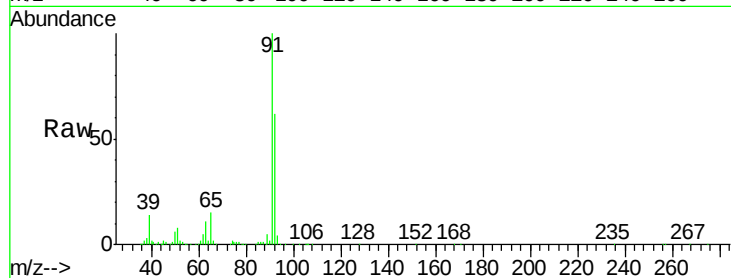
Ion Ratio Lower Upper

91 100

92 61.0 48.6 73.0

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.830 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL034986.D

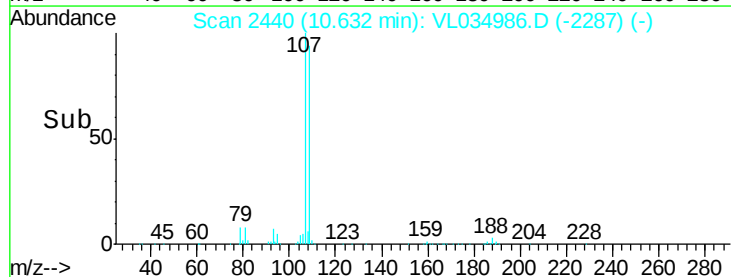
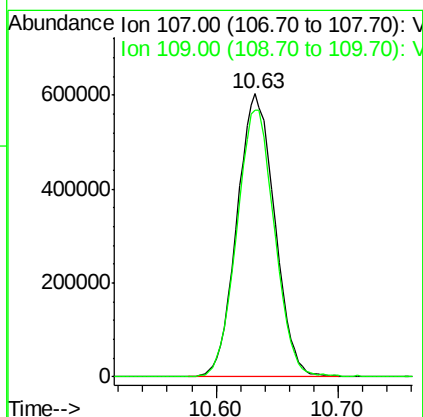
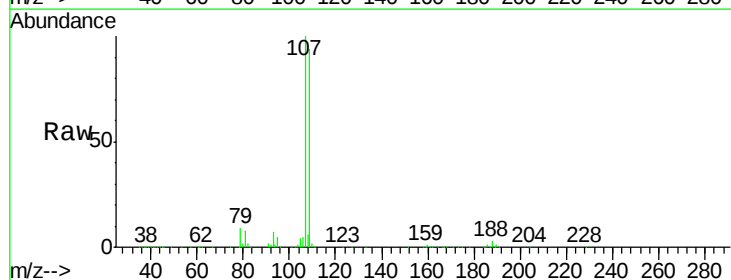
Acq: 12 May 2020 13:45

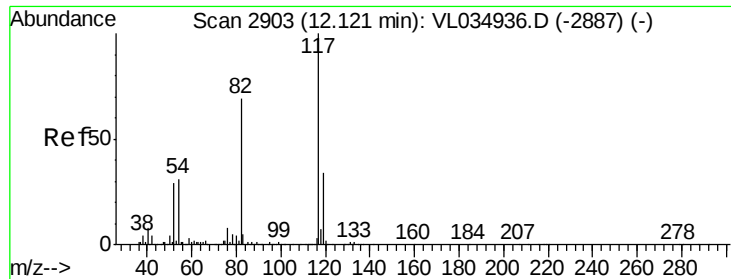
Tgt Ion: 107 Resp: 1284726

Ion Ratio Lower Upper

107 100

109 94.0 73.2 109.8





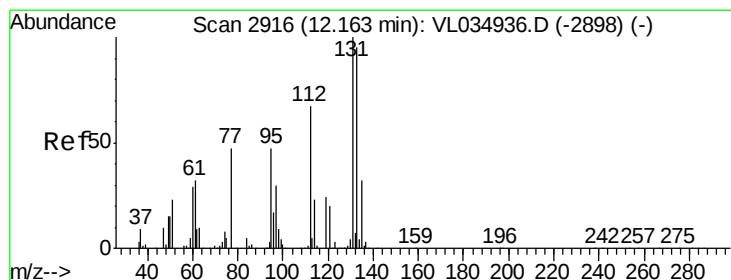
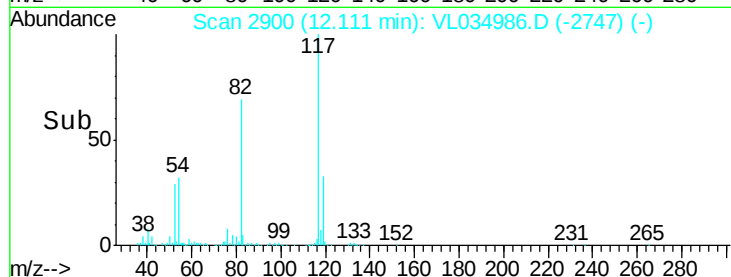
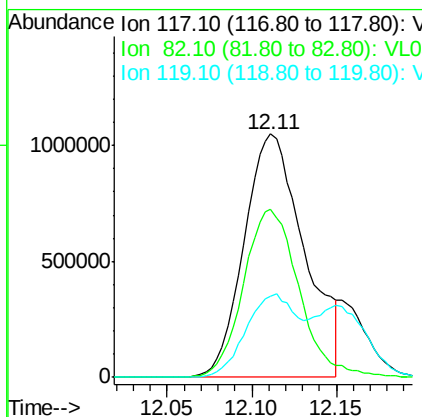
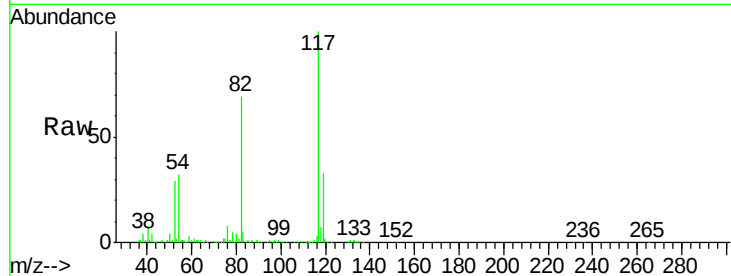
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion:117 Resp: 2613395
Ion Ratio Lower Upper
117 100
82 63.8 53.1 79.7
119 32.4 26.7 40.1

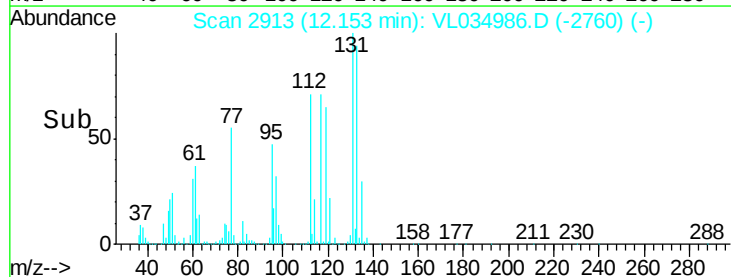
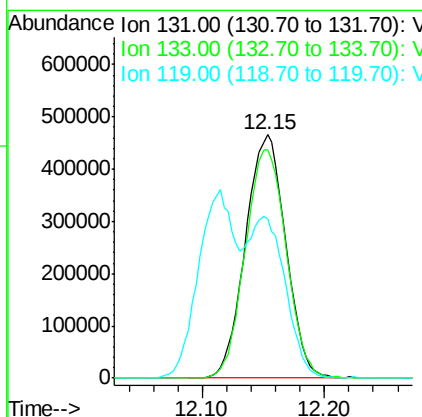
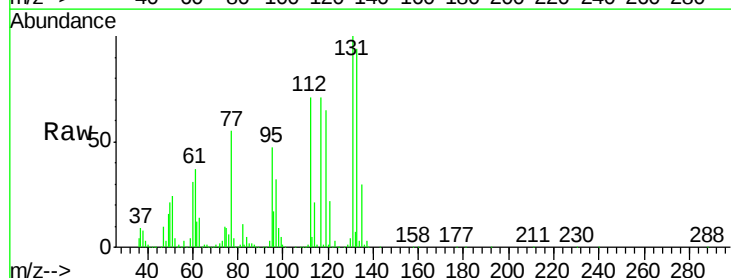
Manual Integrations
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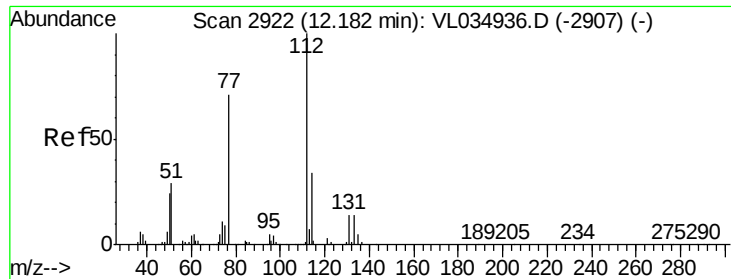
MMDadoda
5/13/2020 5:11:38 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.999 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion:131 Resp: 1060618
Ion Ratio Lower Upper
131 100
133 95.6 77.7 116.5
119 55.5 49.8 74.6





#57

Chlorobenzene

Concen: 8.712 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

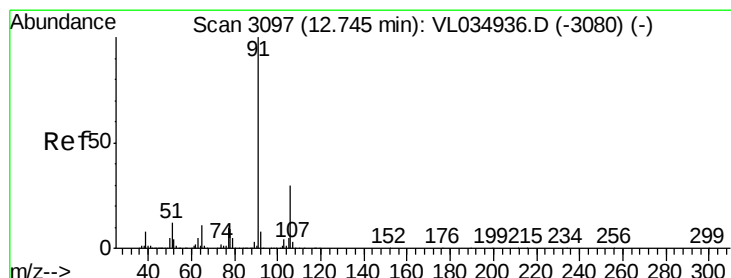
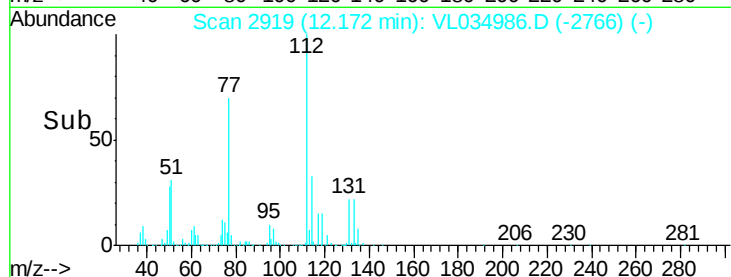
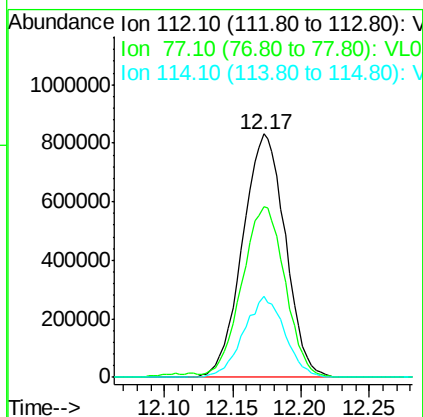
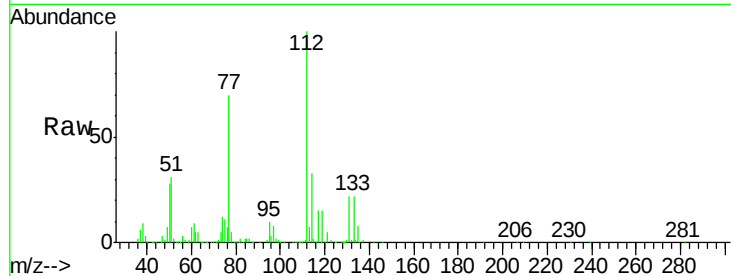
ClientSampleId :

VL0512ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.9	57.0	85.6
114	33.2	30.8	37.6

Manual Integrations
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#58

Ethyl Benzene

Concen: 9.894 ppbv

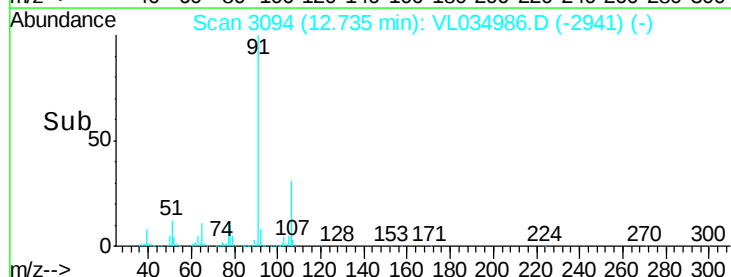
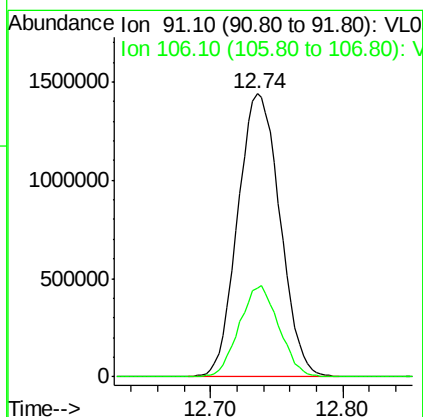
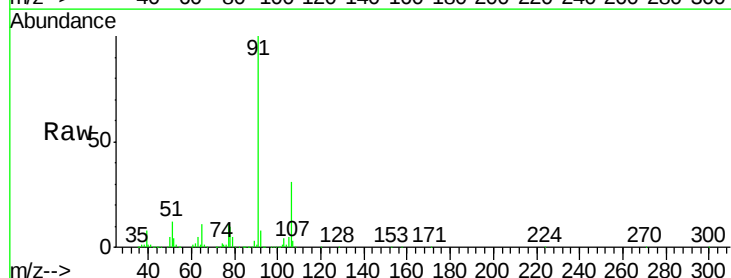
RT: 12.74 min Scan# 3094

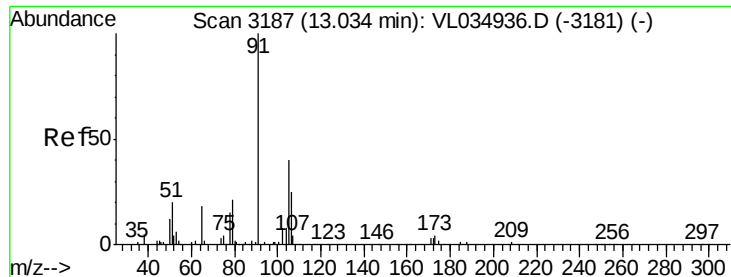
Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.4





#59

m/p-Xylene

Concen: 18.408 ppbv m

RT: 13.02 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 91 Resp: 5234144

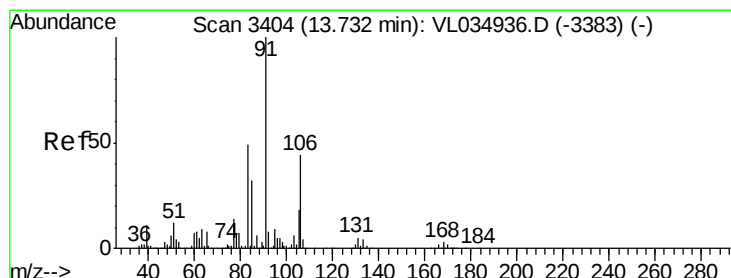
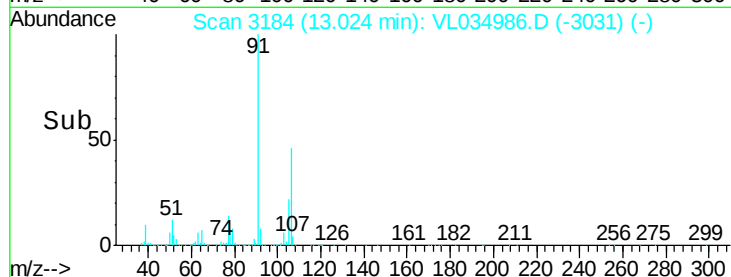
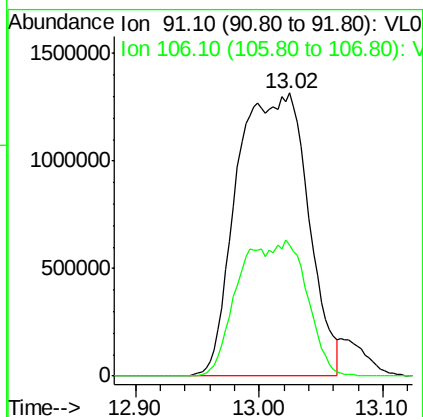
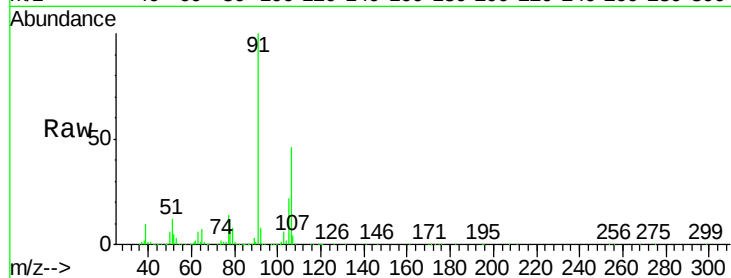
Ion Ratio Lower Upper

91 100

106 46.1 66.0 99.0#

Manual Integrations
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5/13/2020 5:11:38 PM



#60

o-Xylene

Concen: 9.358 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.01 min

Lab File: VL034986.D

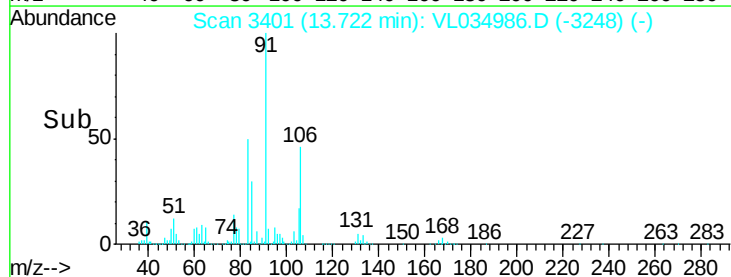
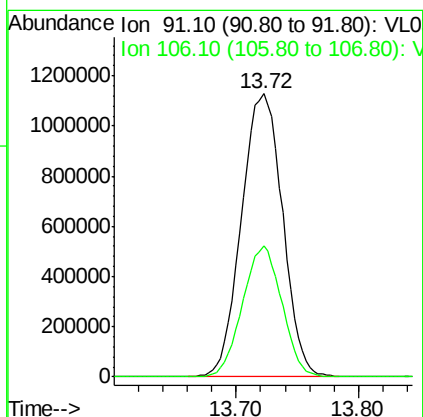
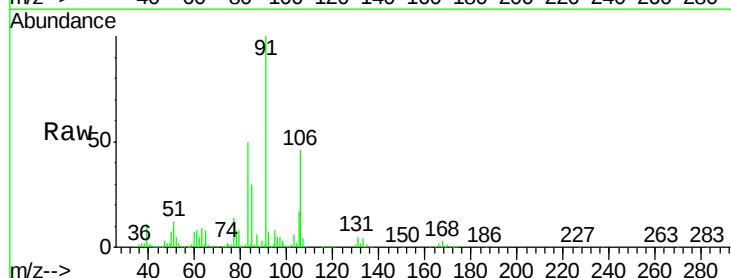
Acq: 12 May 2020 13:45

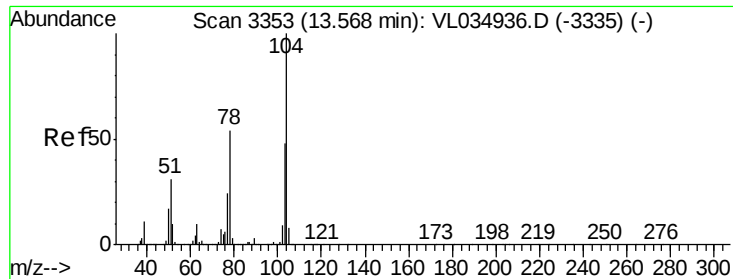
Tgt Ion: 91 Resp: 2625652

Ion Ratio Lower Upper

91 100

106 44.3 21.9 65.5





#61

Stvrene

Concen: 10.551 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion:104 Resp: 1873446

Ion Ratio Lower Upper

104 100

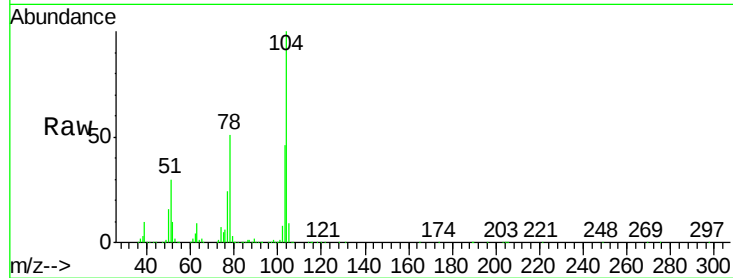
78 53.3 43.7 65.5

103 47.6 38.8 58.2

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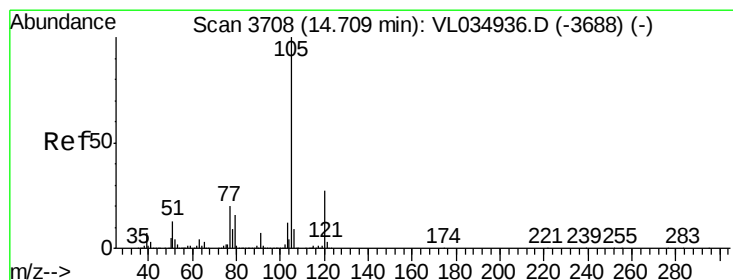
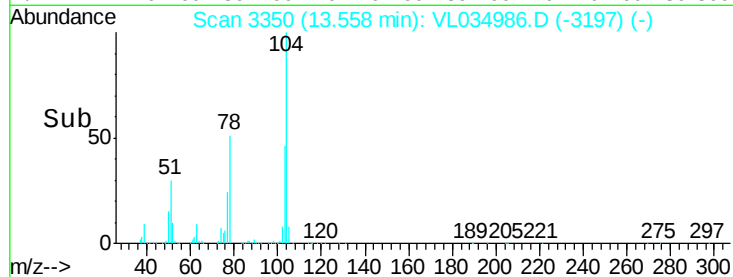
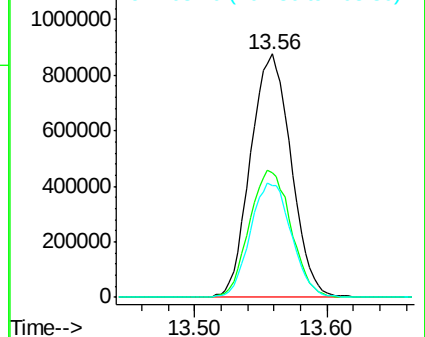
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.170 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.01 min

Lab File: VL034986.D

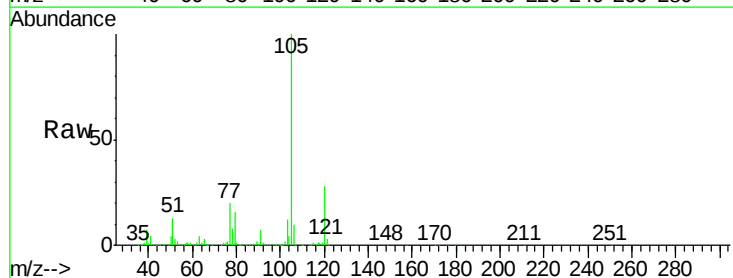
Acq: 12 May 2020 13:45

Tgt Ion:105 Resp: 3841200

Ion Ratio Lower Upper

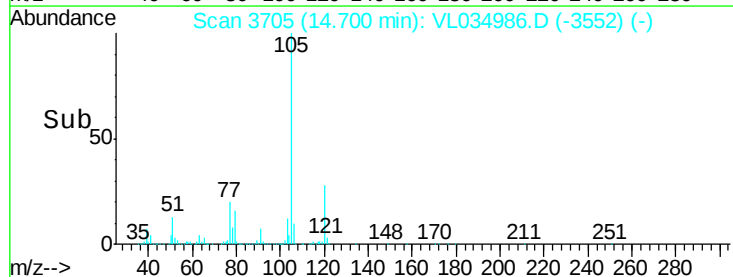
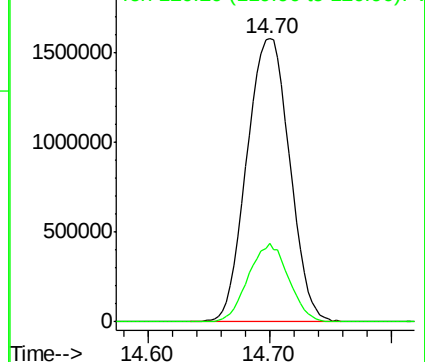
105 100

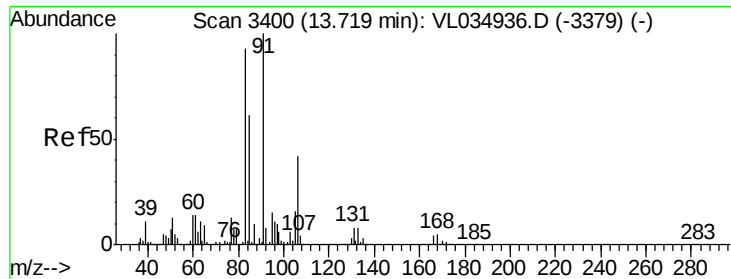
120 26.0 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





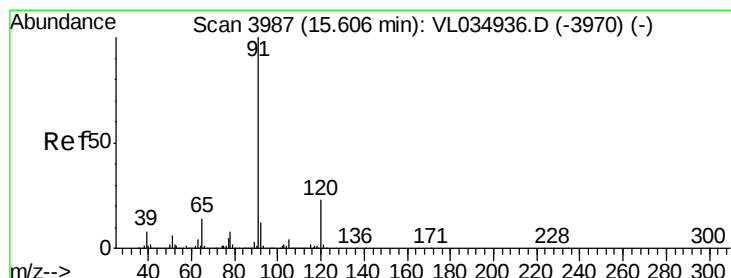
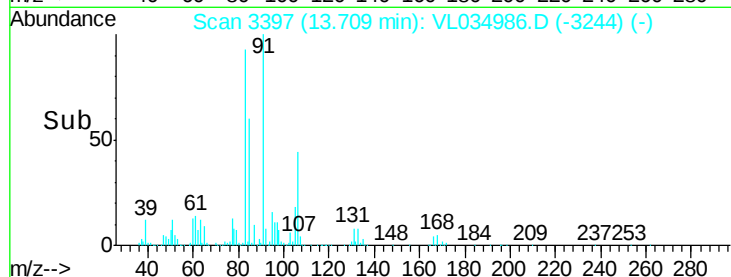
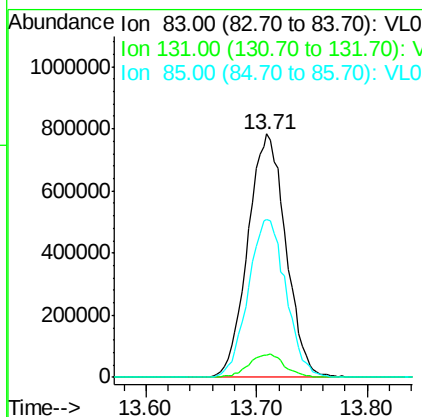
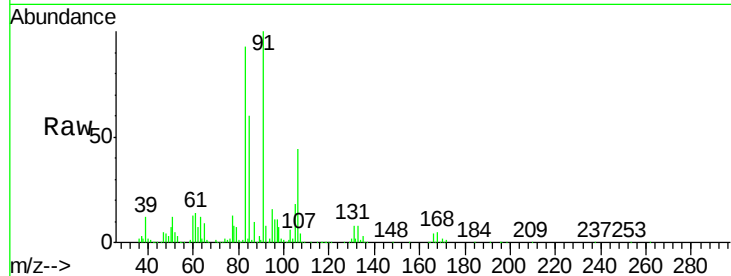
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.444 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	64.5	32.5	97.4

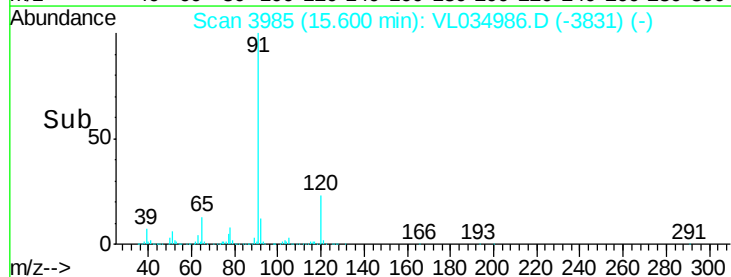
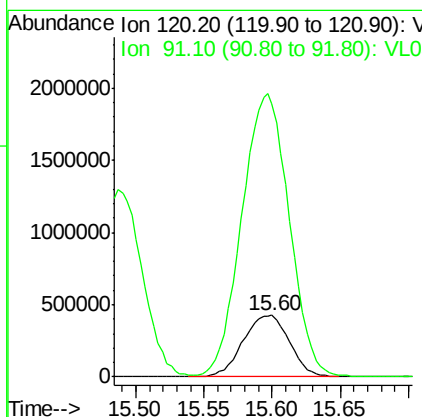
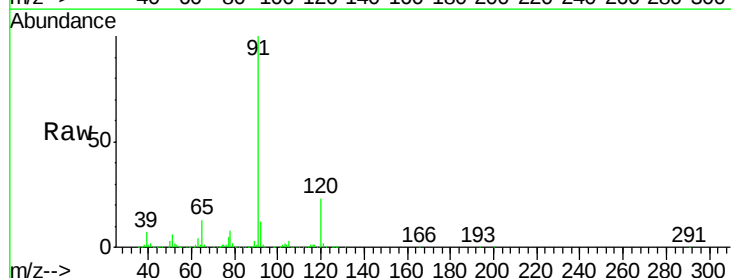
Manual Integrations
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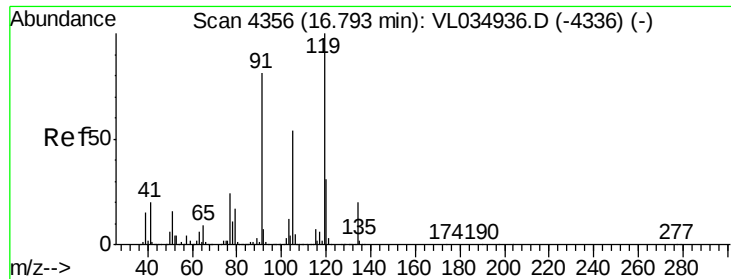
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.343 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
120	100		
91	469.8	373.5	560.3





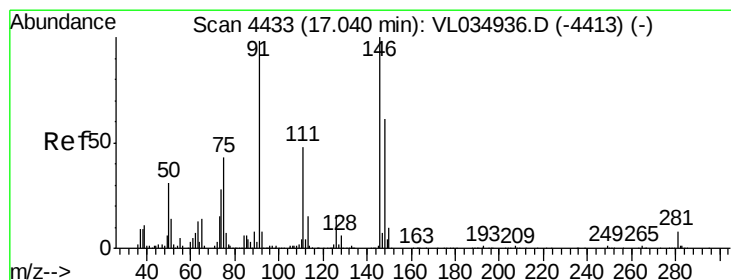
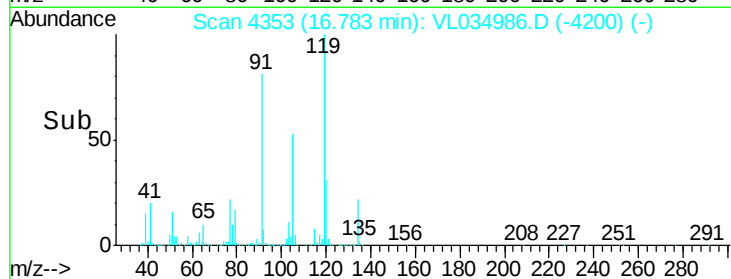
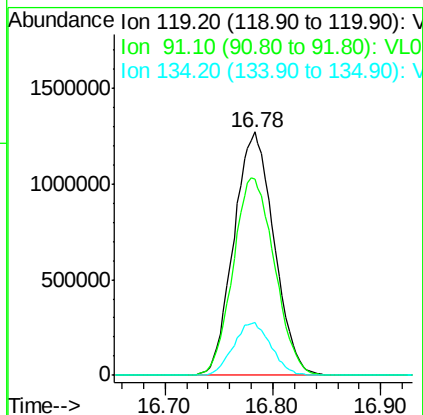
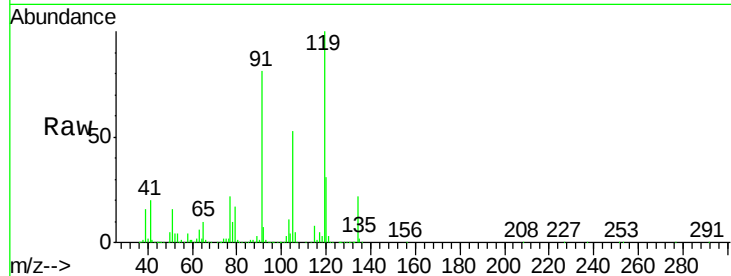
#65
tert-Butylbenzene
Concen: 9.035 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.9	67.5	101.3
134	20.4	16.1	24.1

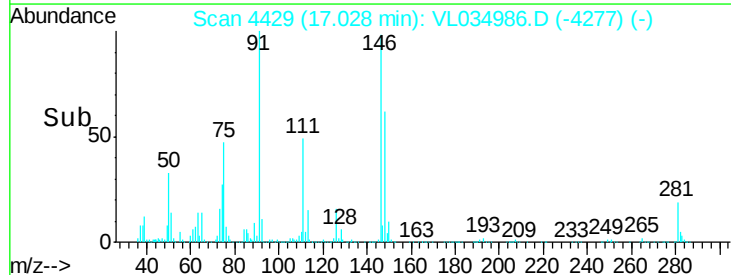
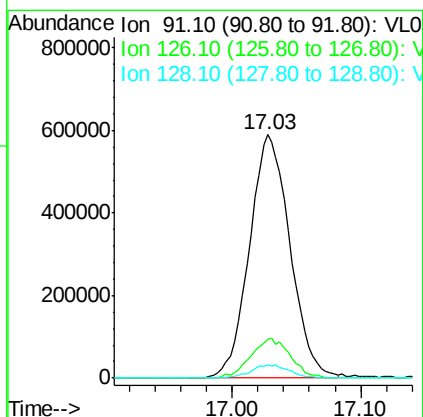
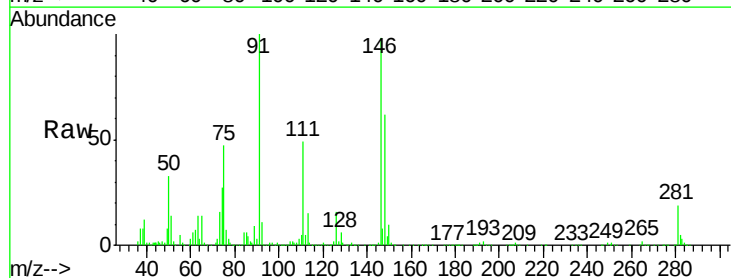
Manual Integrations
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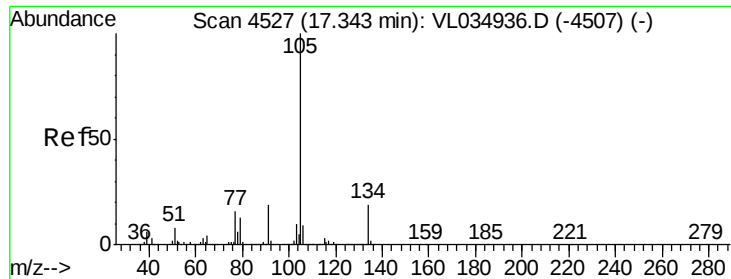
MMDadoda
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#66
Benzyl Chloride
Concen: 10.420 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.8	20.6
128	5.3	4.3	6.5





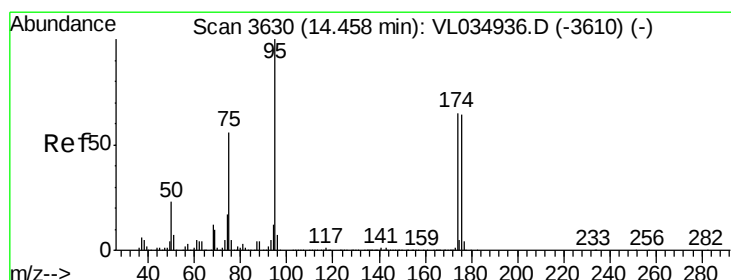
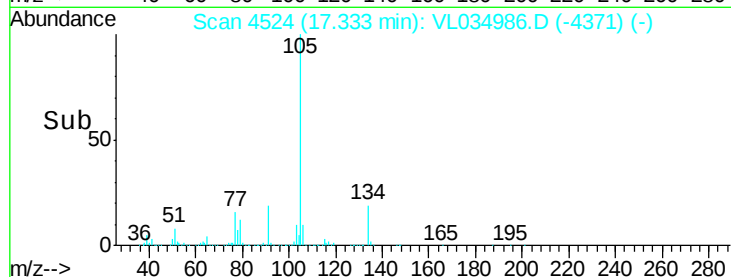
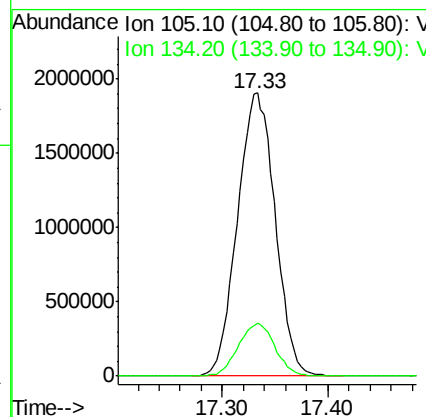
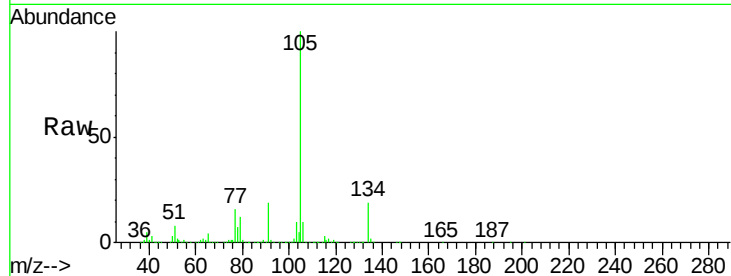
#67
 sec-Butylbenzene
 Concen: 9.098 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion: 105 Resp: 4718322
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.8 22.2

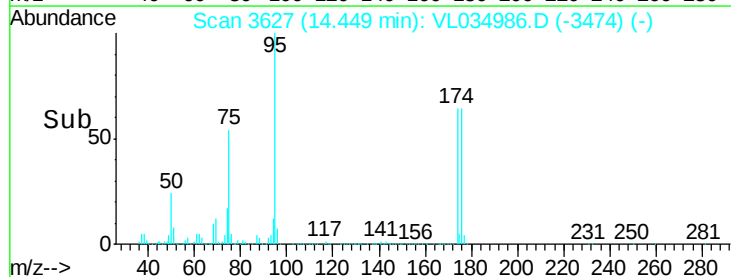
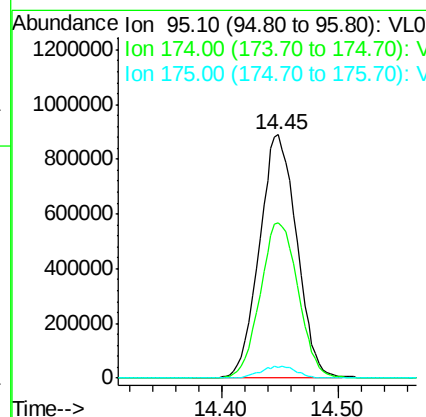
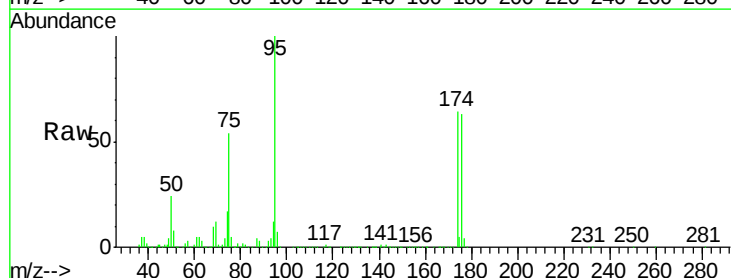
Manual Integrations
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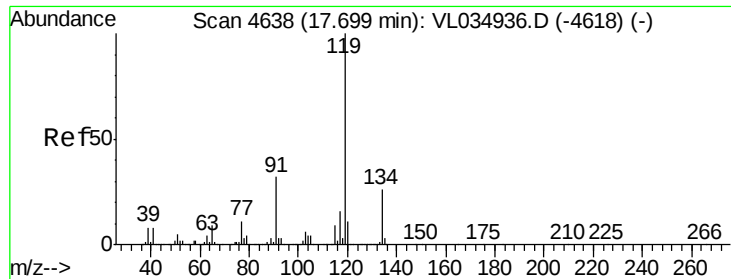
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.410 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion: 95 Resp: 1990622
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.5 77.3
 175 4.8 3.8 5.8





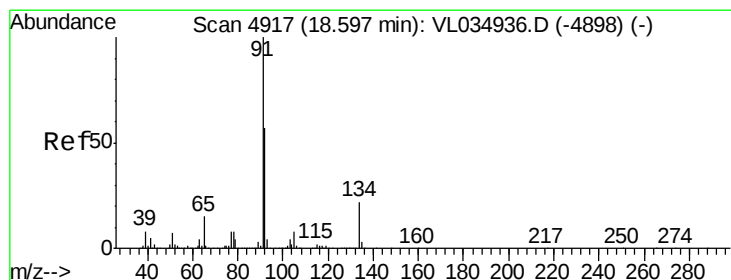
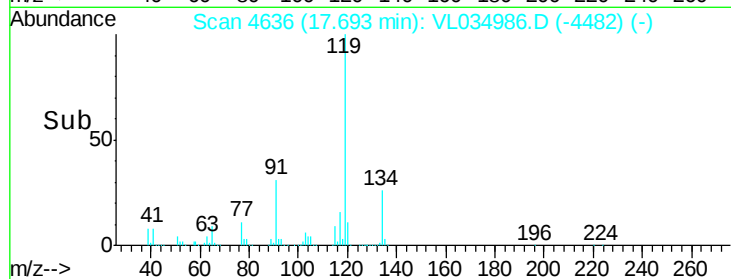
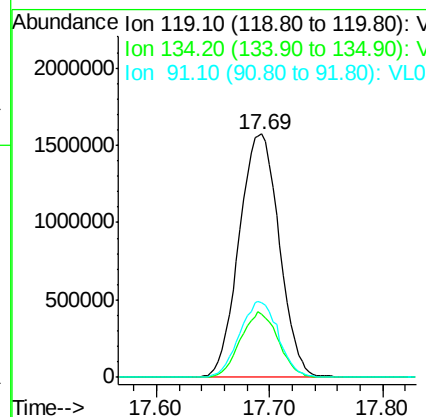
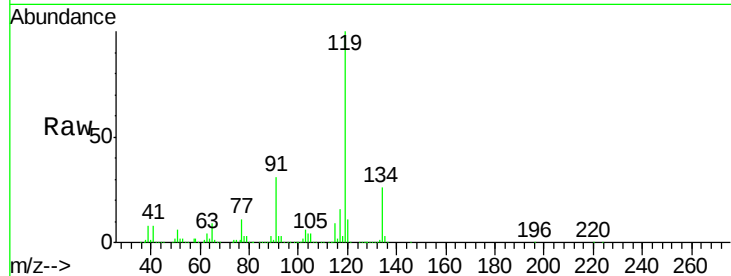
#69
 p-Isopropyltoluene
 Concen: 9.239 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	30.5	24.6	36.8

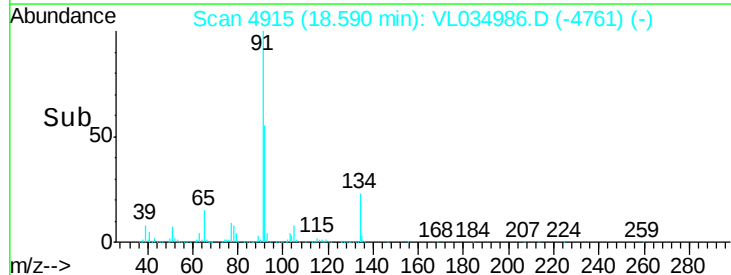
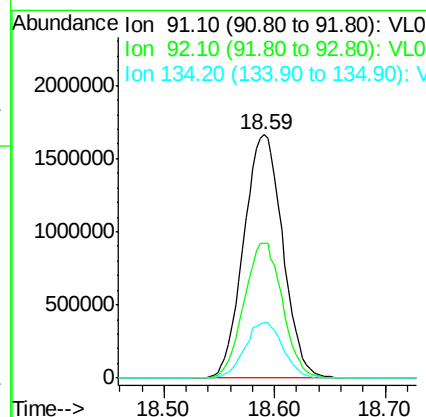
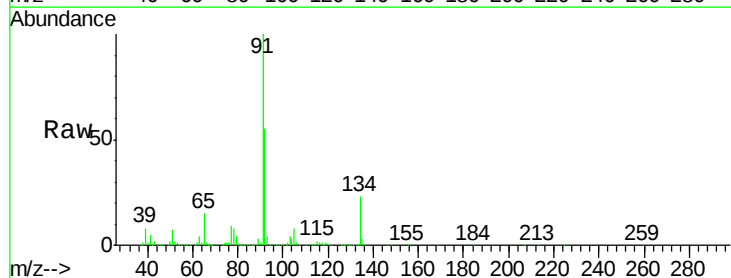
Manual Integrations
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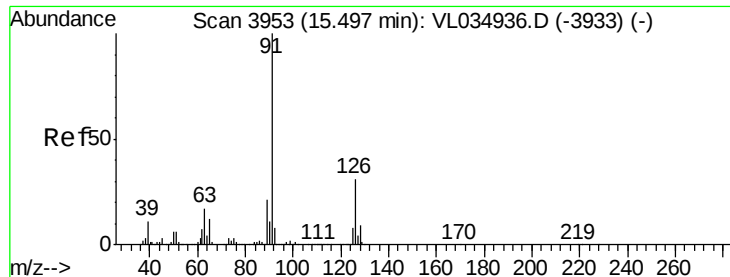
MMDadoda
 5/13/2020 5:11:38 PM



#70
 n-Butylbenzene
 Concen: 9.102 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.4	66.6
134	22.3	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.427 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion: 91 Resp: 2980934

Ion Ratio Lower Upper

91 100

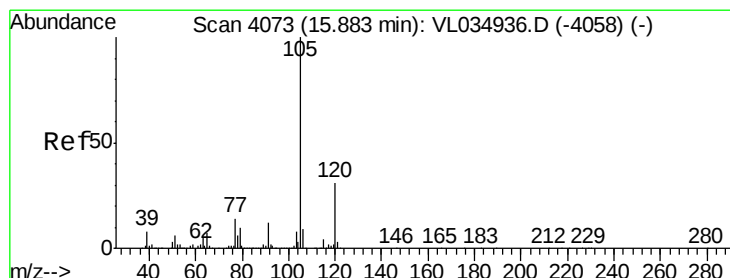
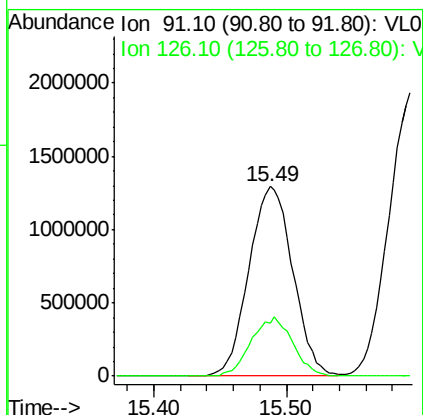
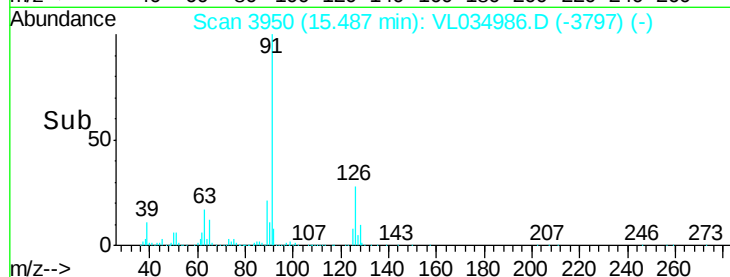
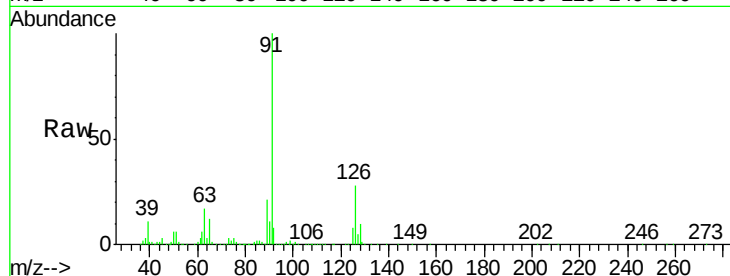
126 29.5 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.793 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion:105 Resp: 3065502

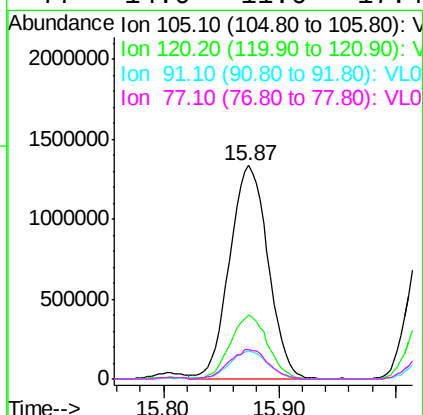
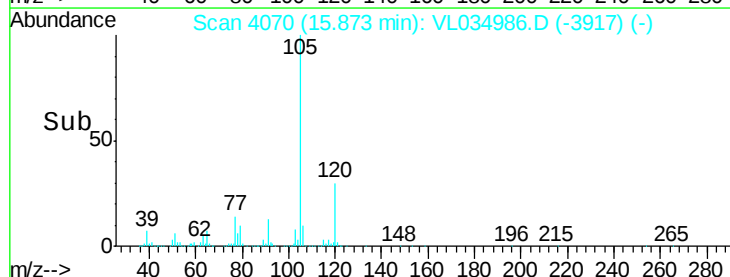
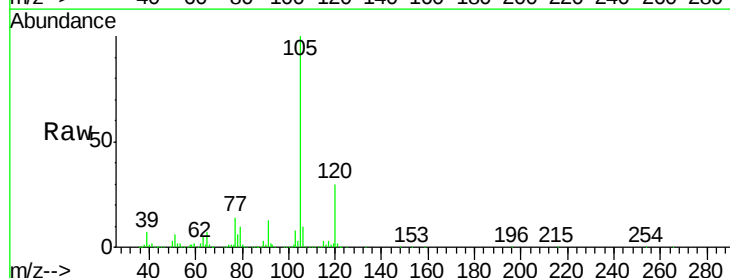
Ion Ratio Lower Upper

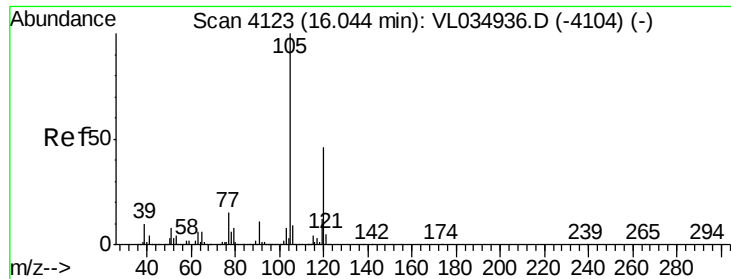
105 100

120 29.0 23.8 35.8

91 13.4 10.6 15.8

77 14.0 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.403 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion:105 Resp: 2864376

Ion Ratio Lower Upper

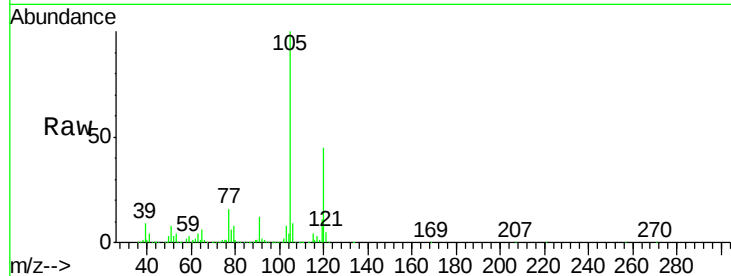
105 100

120 44.6 36.4 54.6

Manual Integrations
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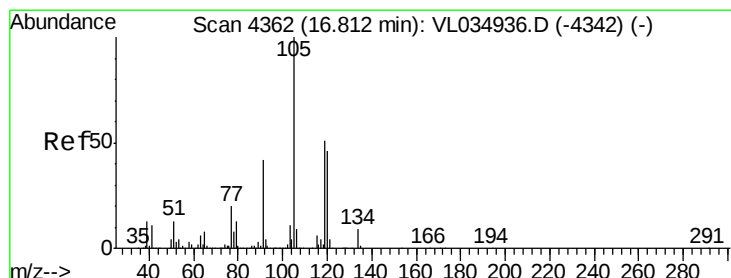
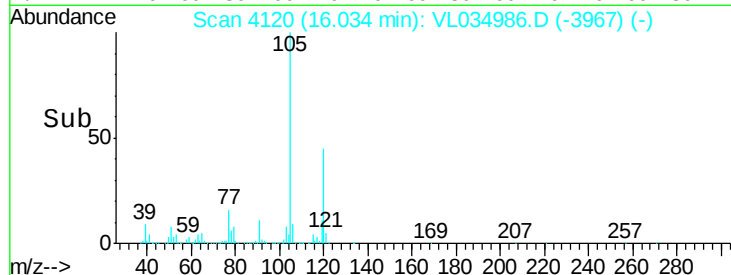
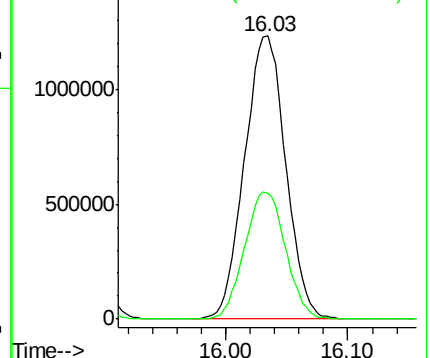
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.761 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Tgt Ion:105 Resp: 2913295

Ion Ratio Lower Upper

105 100

120 48.4 36.8 55.2

91 53.1 35.4 53.0#

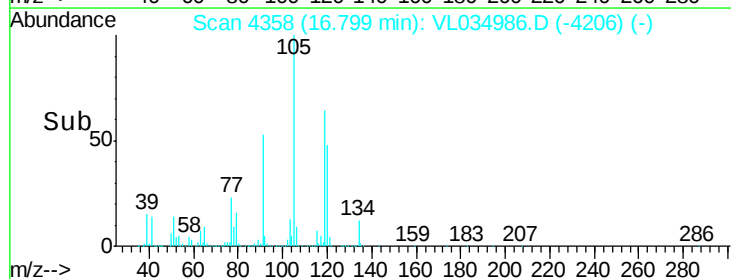
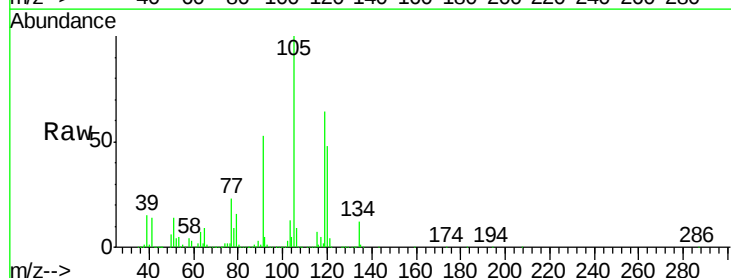
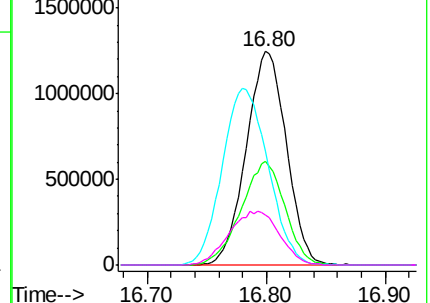
77 23.3 16.2 24.2

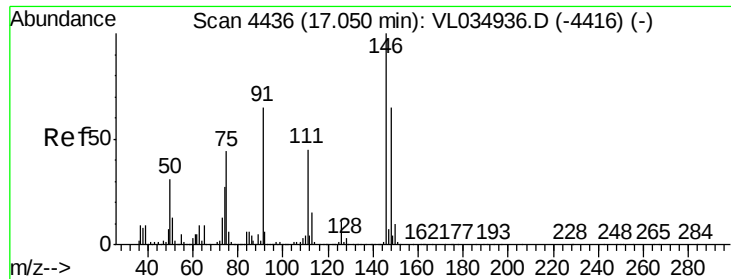
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





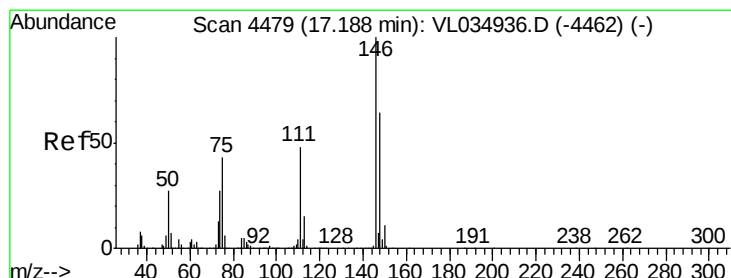
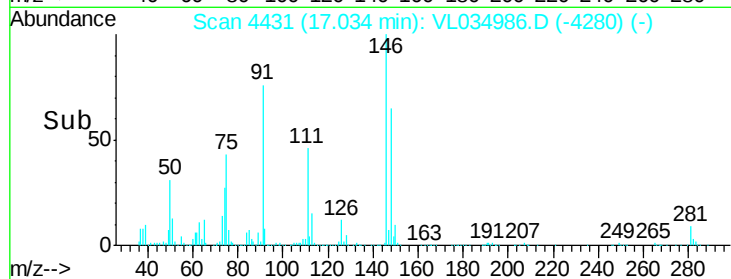
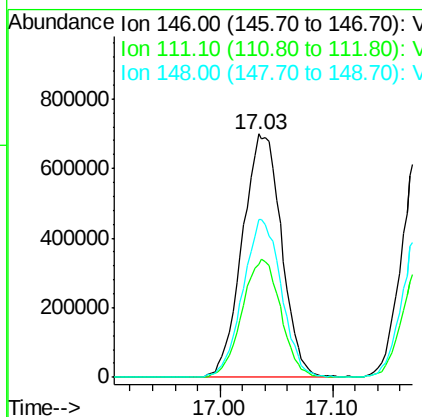
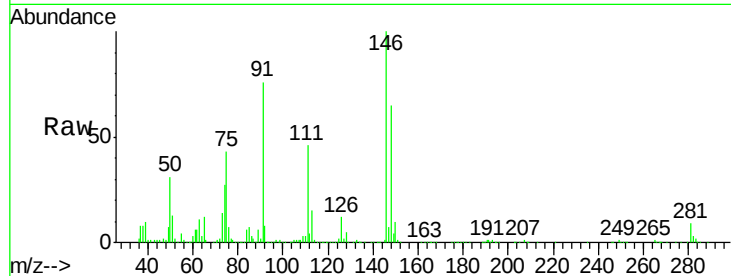
#75
 1,3-Dichlorobenzene
 Concen: 8.651 ppbv m
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.02 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion:146 Resp: 1689175
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.0 72.0
 148 63.8 32.6 97.7

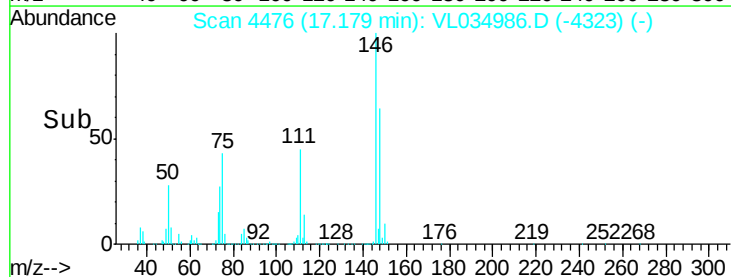
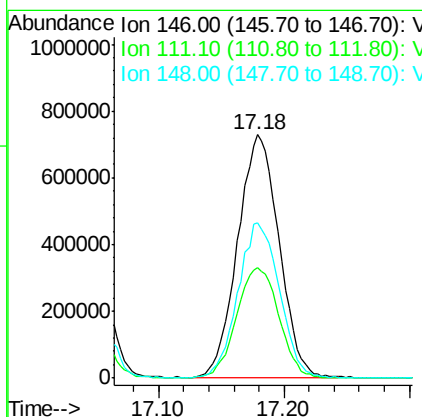
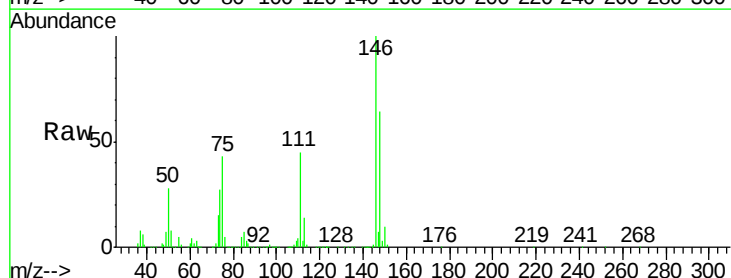
Manual Integrations
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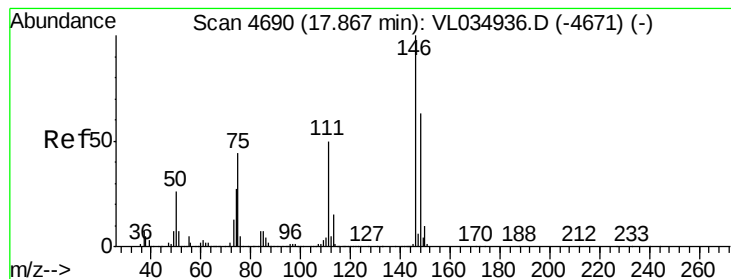
MMDadoda
 5/13/2020 5:11:38 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.993 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.01 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Tgt Ion:146 Resp: 1668397
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.7 71.1
 148 64.2 32.6 97.8





#77

1,2-Dichlorobenzene

Concen: 8.660 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABS01

Tot Ion:146 Resp: 1593229

Ion Ratio Lower Upper

146 100

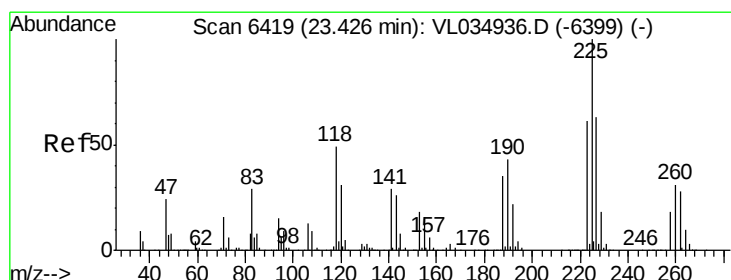
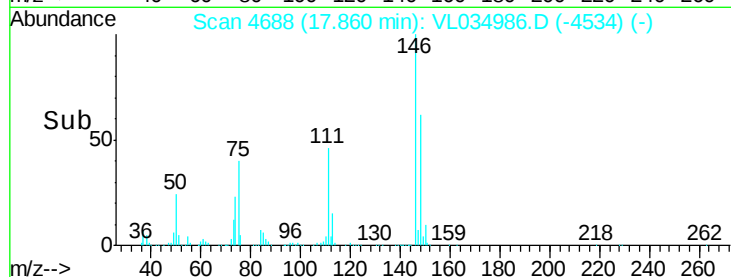
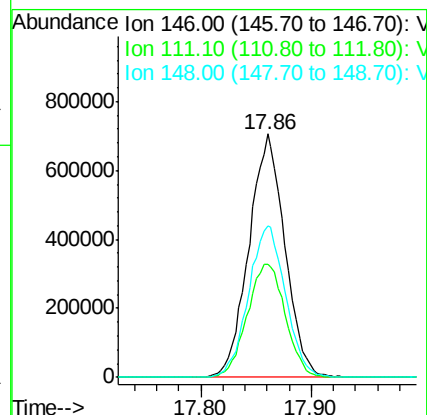
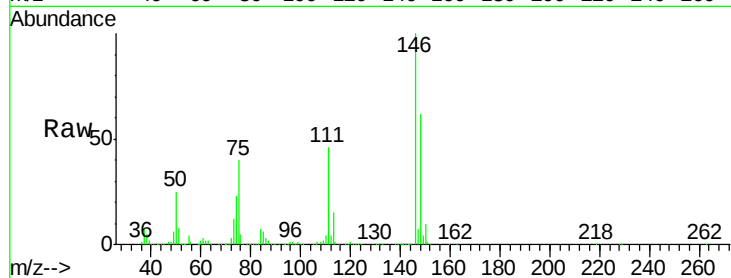
111 49.4 24.5 73.5

148 64.1 31.7 95.1

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#78

Hexachloro-1,3-Butadiene

Concen: 8.183 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.01 min

Lab File: VL034986.D

Acq: 12 May 2020 13:45

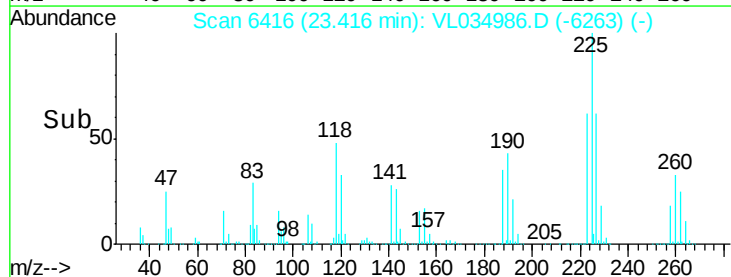
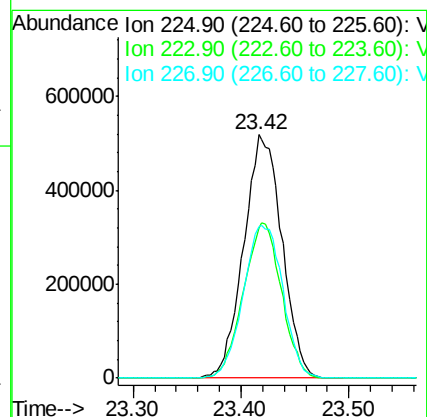
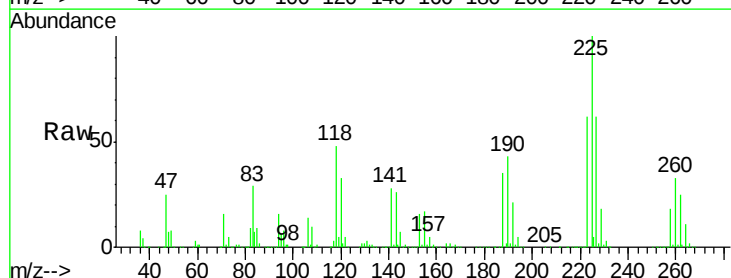
Tgt Ion:225 Resp: 1283228

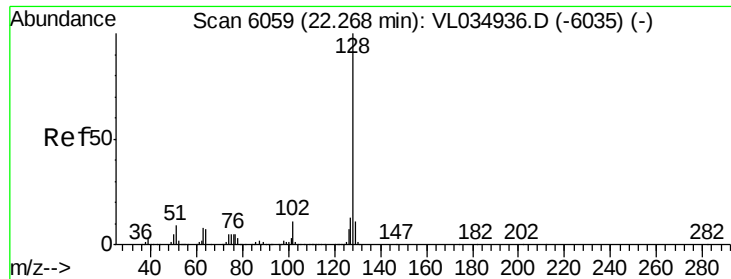
Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.8

227 64.8 51.8 77.6





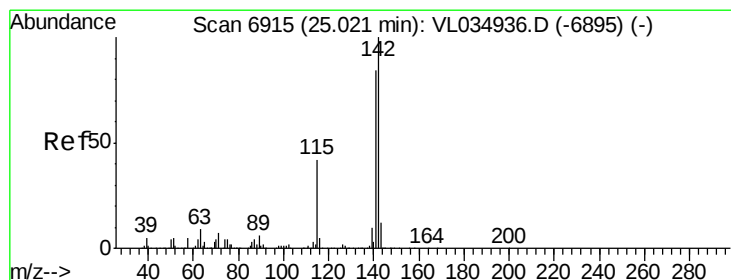
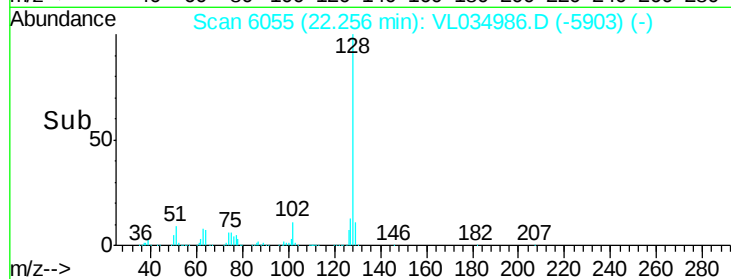
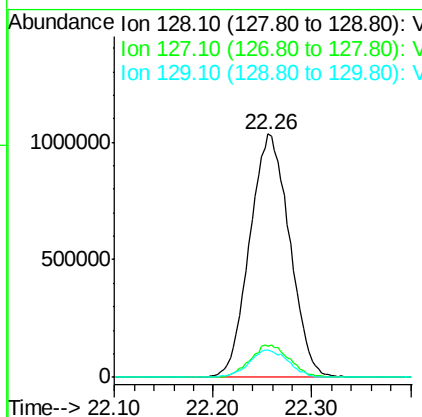
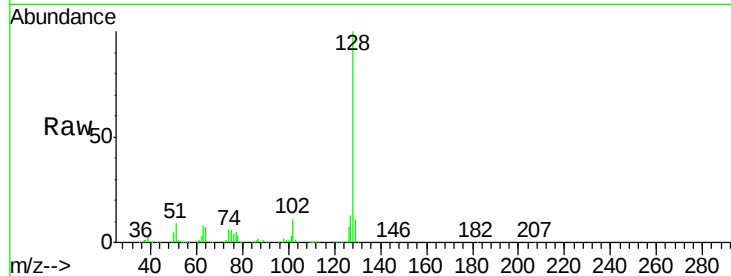
#79
Naphthalene
Concen: 11.132 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Instrument :
MSVOA_L
ClientSampleId :
VL0512ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.2	9.0	13.4

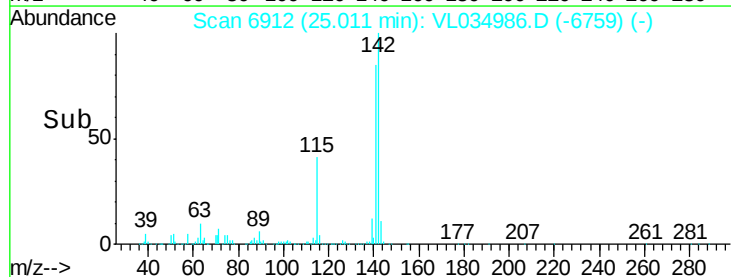
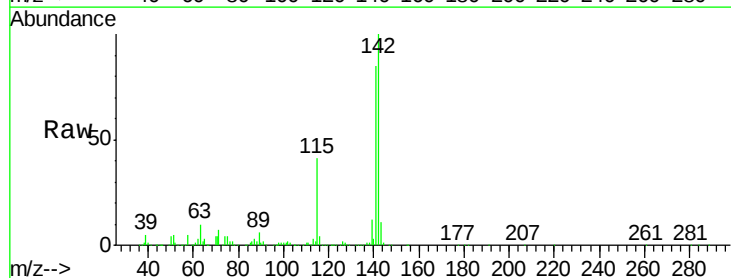
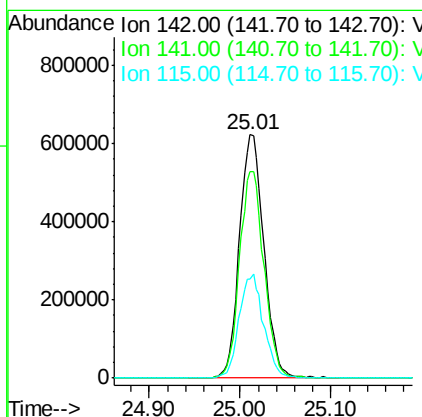
Manual Integrations
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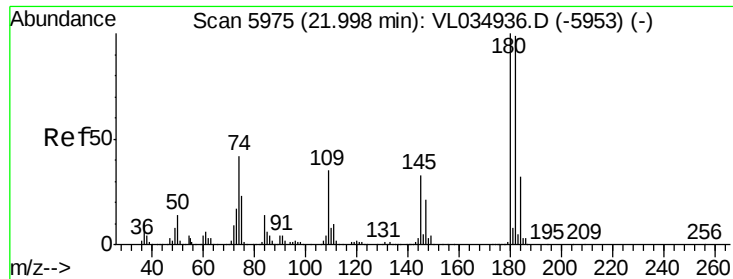
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#80
Naphthalene, 2-methyl-
Concen: 18.244 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.01 min
Lab File: VL034986.D
Acq: 12 May 2020 13:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.6	102.8
115	42.7	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.490 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.02 min
 Lab File: VL034986.D
 Acq: 12 May 2020 13:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Tot Ion:	180	Resp:	1490169
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.5	116.3
184	31.4	24.8	37.2

Manual Integrations
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