

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034841.D
 Acq On : 9 Mar 2020 11:29
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 3/11/2020 3:25:55 PM

Quant Time: Mar 09 16:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 15:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	950659	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2207975	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2321128m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1772884	9.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1000931	6.452	ppbv 100
3) Chlorodifluoromethane	2.94	51	966054	8.920	ppbv 100
4) Chloromethane	3.10	50	557453	9.556	ppbv 100
5) Vinyl Chloride	3.22	62	541675	8.789	ppbv 100
6) Bromomethane	3.44	94	312360	9.286	ppbv 100
7) Chloroethane	3.52	64	192333	9.026	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1211388	8.988	ppbv 100
9) Propene	2.97	41	460177	10.794	ppbv 100
10) Heptane	8.13	43	1188718	10.972	ppbv 100
11) Trichlorofluoromethane	3.92	101	1235433	8.899	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	873018	9.114	ppbv 100
13) Ethanol	3.57	45	117181	8.022	ppbv 100
14) Bromoethene	3.70	108	393320	10.007	ppbv 100
15) Acetone	3.82	43	986498	8.666	ppbv 100
16) 1,3-Butadiene	3.29	39	515405	10.007	ppbv 100
17) tert-Butyl alcohol	4.26	59	1040069	11.587	ppbv 100
18) 1,1-Dichloroethene	4.26	96	398136	9.425	ppbv 100
19) Isopropyl Alcohol	3.94	45	679728	9.965	ppbv 100
20) Methylene Chloride	4.31	84	346274	8.523	ppbv 100
21) Allyl Chloride	4.38	41	732006	10.154	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	401478	9.736	ppbv 100
23) Vinyl Acetate	5.06	43	1708866	11.194	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1124960	9.495	ppbv 100
25) Ethyl Acetate	5.66	43	1992774	10.130	ppbv 100
26) Hexane	5.67	57	879290	10.231	ppbv 99
27) Carbon Disulfide	4.53	76	1066498	10.623	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1482007	11.586	ppbv 100
29) Chloroform	5.74	83	1303066	9.007	ppbv 100
30) Cyclohexane	7.13	84	751354	11.428	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	906803	10.287	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1331762	9.316	ppbv 100
34) 2-Butanone	5.23	43	1320024	9.189	ppbv 100
35) Carbon Tetrachloride	7.02	117	1371726	8.233	ppbv 100
36) Benzene	6.89	78	1804613	9.565	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1029103	7.985	ppbv 100
38) Trichloroethene	7.84	130	687795	9.353	ppbv 100
39) 1,2-Dichloropropane	7.62	63	707816	9.296	ppbv 100
40) 1,4-Dioxane	7.84	88	253420	9.623	ppbv # 100
41) Tetrahydrofuran	6.04	42	764766	10.434	ppbv 100
42) Bromodichloromethane	7.80	83	1452243	8.906	ppbv 100
43) Methyl Methacrylate	8.02	69	797938	9.980	ppbv 100

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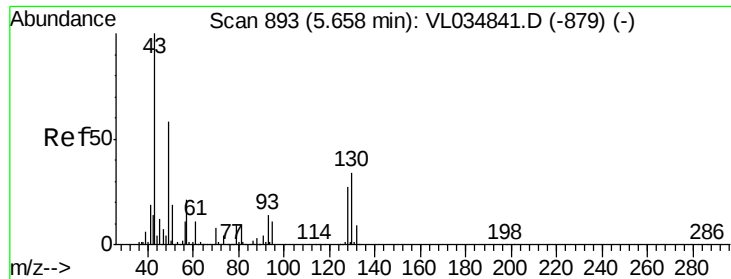
Manual Integrations
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Quant Time: Mar 09 16:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:21:36 2020
 QLast Update : Mon Mar 09 15:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3064536	9.295	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	994834	11.853	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1140053	11.124	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	743203	9.245	ppbv	100
48) Dibromochloromethane	10.33	129	1281607	10.195	ppbv	100
49) Bromoform	13.07	173	1188493	10.835	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1980080	9.620	ppbv	100
51) 2-Hexanone	10.15	43	1653162	10.239	ppbv	100
52) Tetrachloroethene	11.25	164	683276	9.802	ppbv	100
53) Toluene	9.82	91	2123425	10.634	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1141798	9.606	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	969004	9.422	ppbv	98
57) Chlorobenzene	12.17	112	1595175	8.997	ppbv	100
58) Ethyl Benzene	12.74	91	2855935	9.984	ppbv	100
59) m/p-Xylene	13.02	91	4669652m	18.859	ppbv	
60) o-Xylene	13.72	91	2276835	9.088	ppbv	100
61) Styrene	13.56	104	1731178	11.139	ppbv	100
62) Isopropylbenzene	14.70	105	3445036	9.343	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1580840	8.005	ppbv	100
64) n-propylbenzene	15.59	120	926573	10.022	ppbv	100
65) tert-Butylbenzene	16.78	119	3019254	9.689	ppbv	100
66) Benzyl Chloride	17.03	91	1459623	14.489	ppbv	100
67) sec-Butylbenzene	17.33	105	4276822	9.419	ppbv	100
69) p-Isopropyltoluene	17.69	119	3640720	9.908	ppbv	100
70) n-Butylbenzene	18.59	91	3717188	9.251	ppbv	100
71) 2-Chlorotoluene	15.49	91	2638637	9.475	ppbv	100
72) 4-Ethyltoluene	15.87	105	2792249	10.010	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2615781	9.776	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2681904	9.220	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	1570753	9.122	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1592165	9.663	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1560508	9.474	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1302523	9.476	ppbv	100
79) Naphthalene	22.25	128	2705466	12.377	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1204283	23.068	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1564727	11.324	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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MSVOA_L

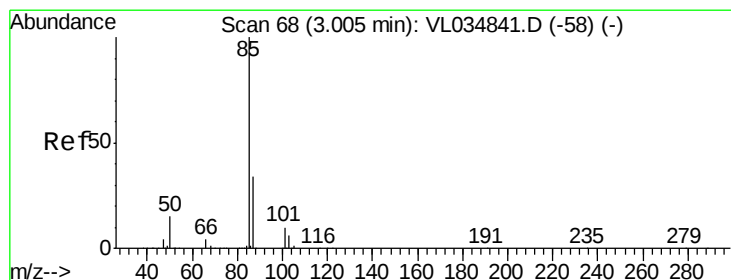
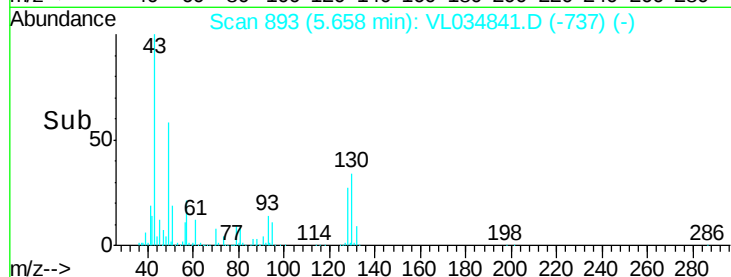
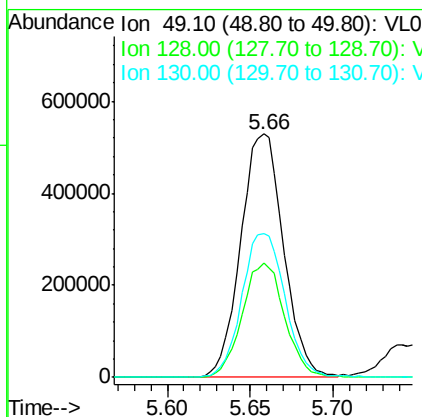
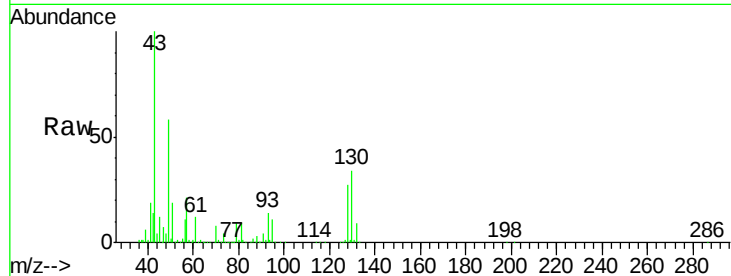
ClientSampleId :

VSTDICCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.4	70.3
130	60.0	30.0	90.0

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#2

Dichlorodifluoromethane

Concen: 6.452 ppbv

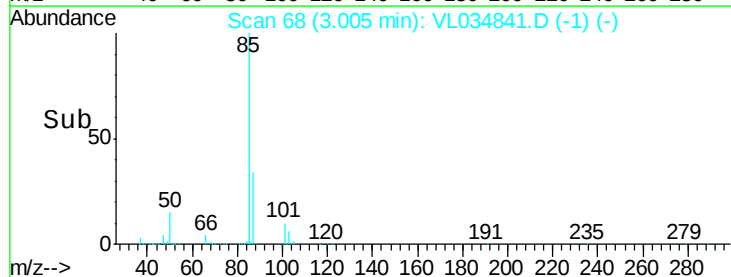
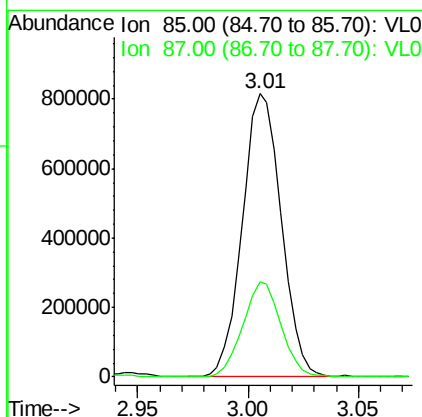
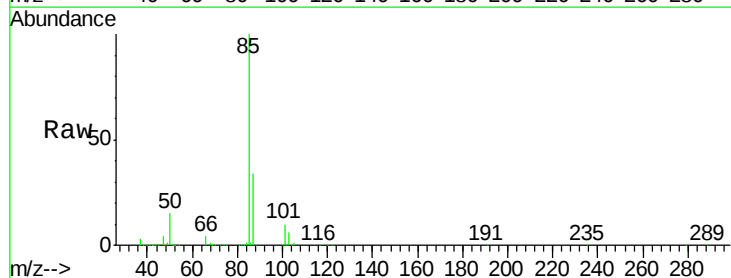
RT: 3.01 min Scan# 68

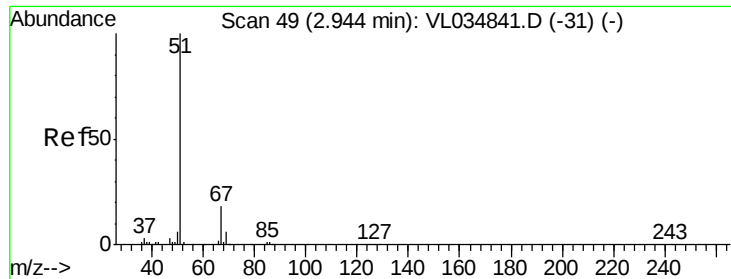
Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.9	40.3





#3

Chlorodifluoromethane

Concen: 8.920 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 966054

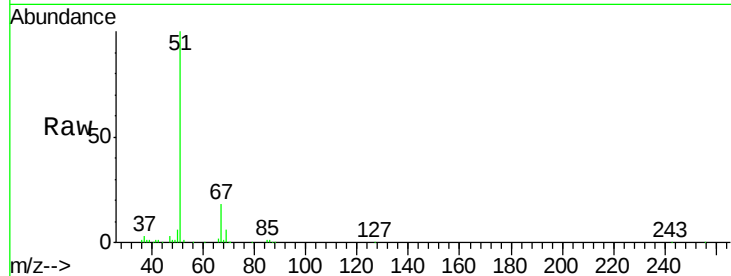
Ion Ratio Lower Upper

51 100

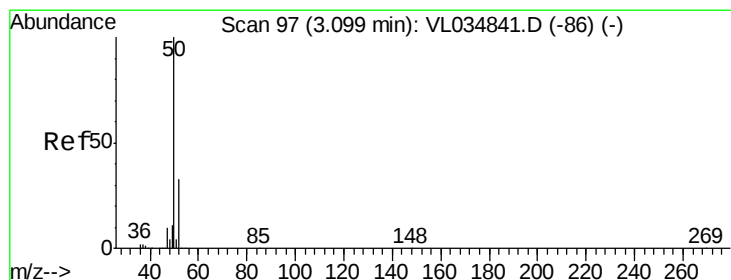
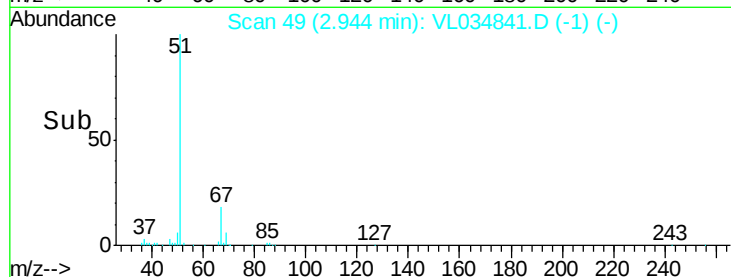
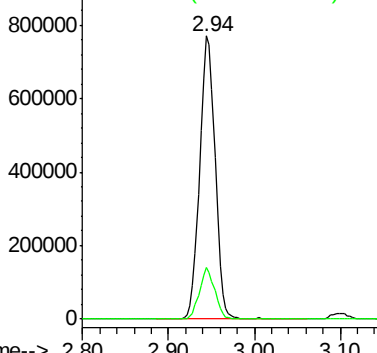
67 17.9 14.3 21.5

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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: 9.556 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034841.D

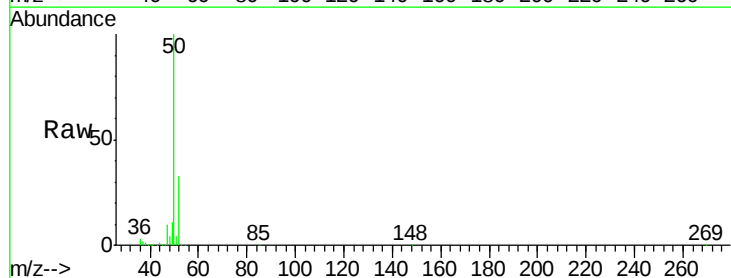
Acq: 9 Mar 2020 11:29

Tgt Ion: 50 Resp: 557453

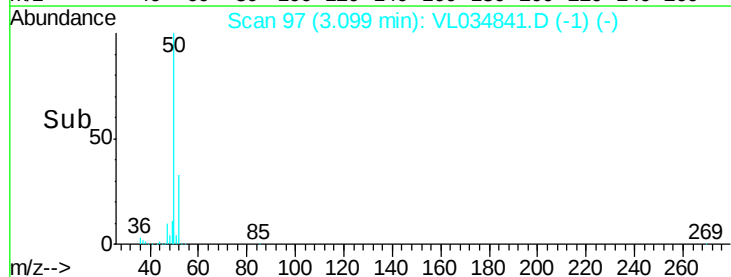
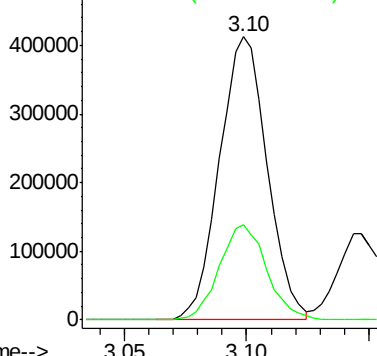
Ion Ratio Lower Upper

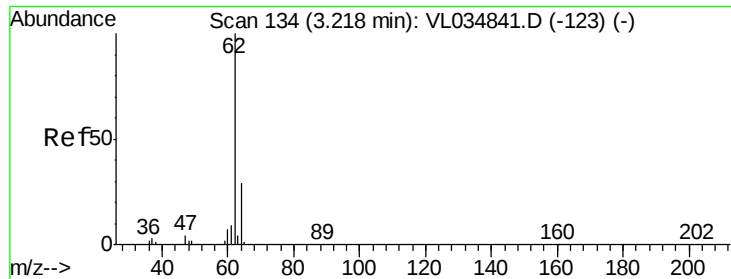
50 100

52 33.5 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.789 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 541675

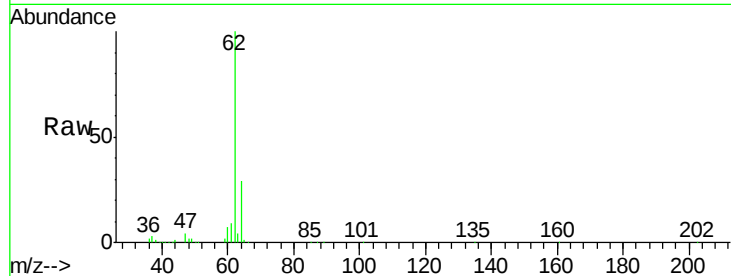
Ion Ratio Lower Upper

62 100

64 28.7 23.0 34.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

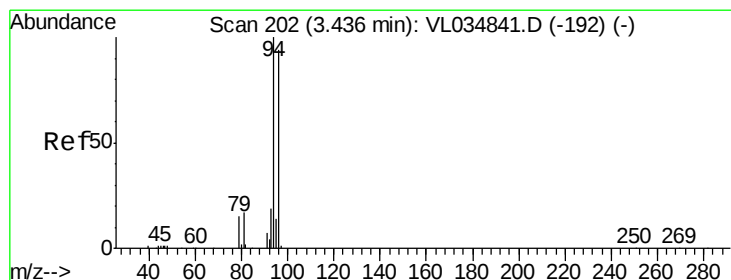
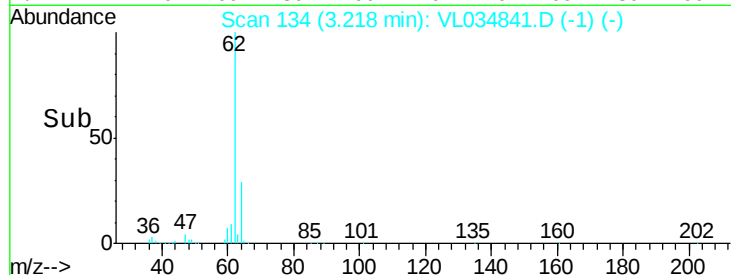
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 9.286 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034841.D

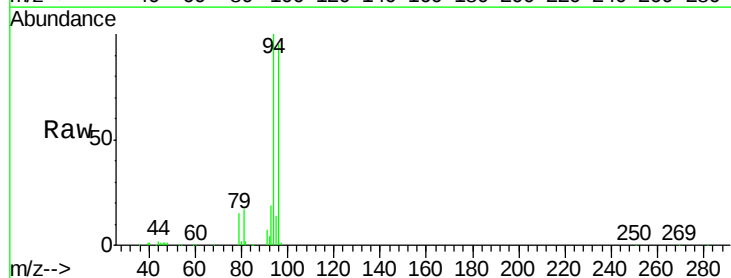
Acq: 9 Mar 2020 11:29

Tgt Ion: 94 Resp: 312360

Ion Ratio Lower Upper

94 100

96 94.4 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

250000

200000

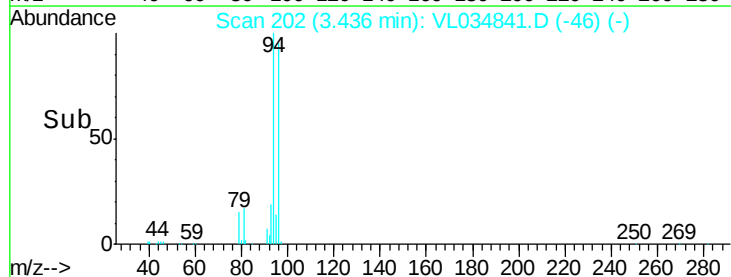
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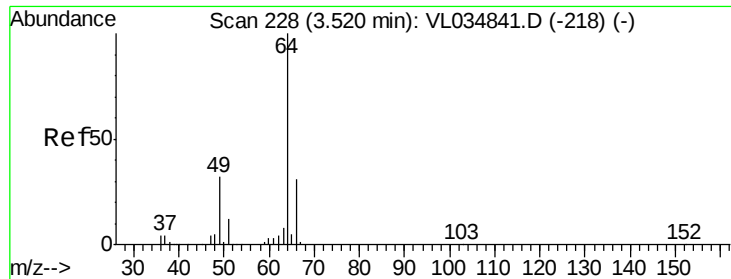
100000

50000

0

Time--> 3.40 3.45





#7

Chloroethane

Concen: 9.026 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 192333

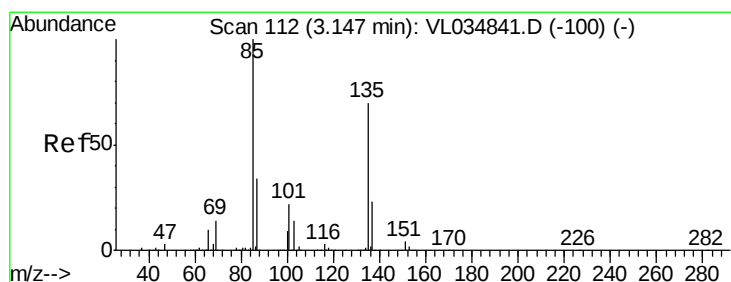
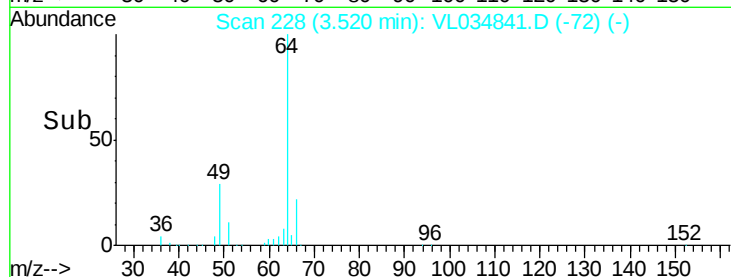
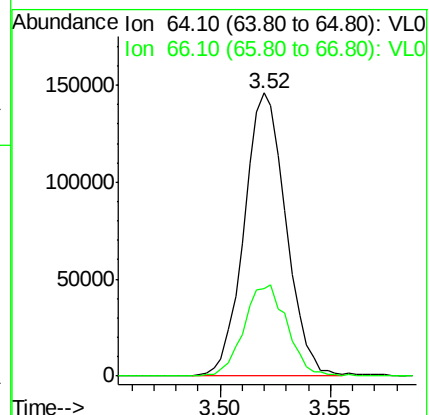
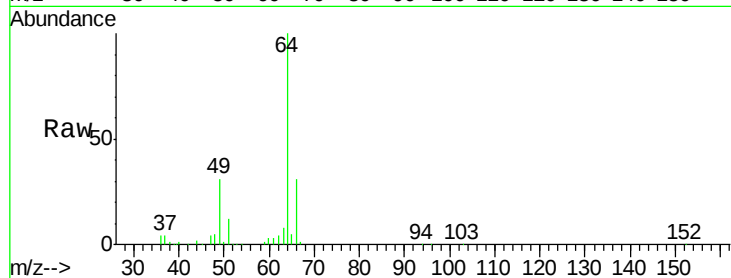
Ion Ratio Lower Upper

64 100

66 31.0 24.8 37.2

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.988 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034841.D

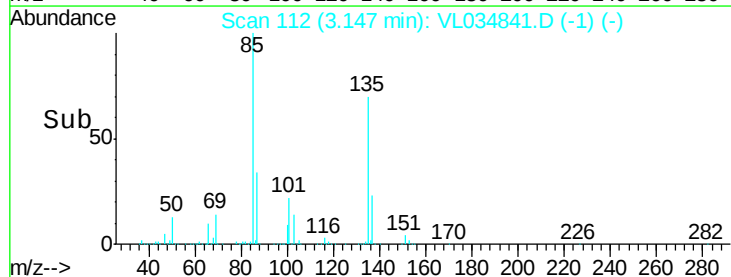
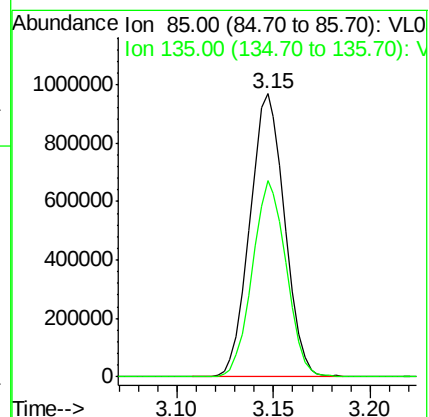
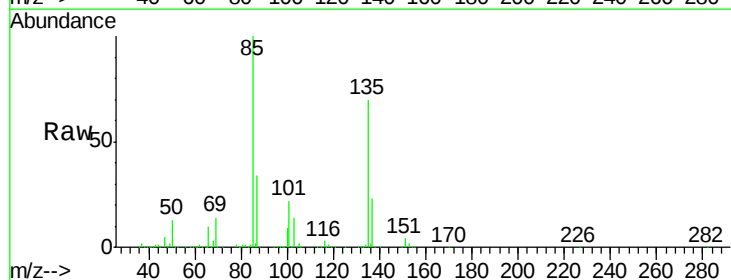
Acq: 9 Mar 2020 11:29

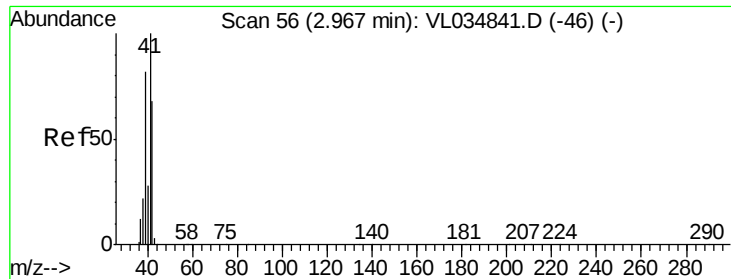
Tgt Ion: 85 Resp: 1211388

Ion Ratio Lower Upper

85 100

135 67.9 54.3 81.5





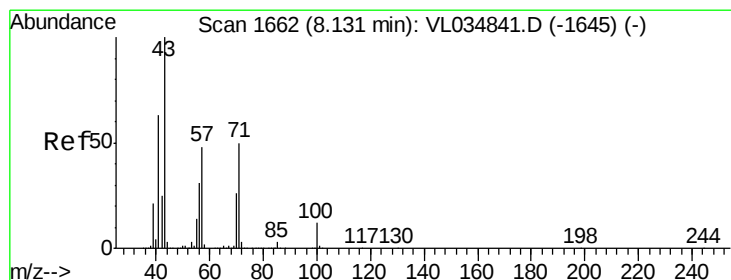
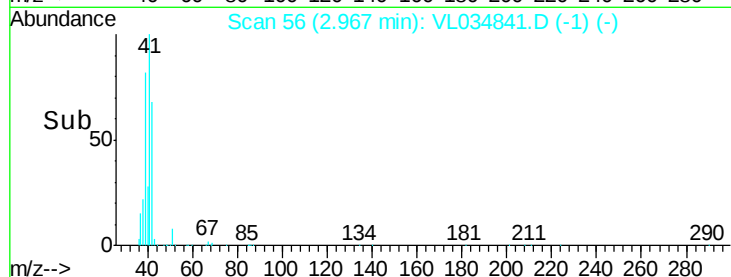
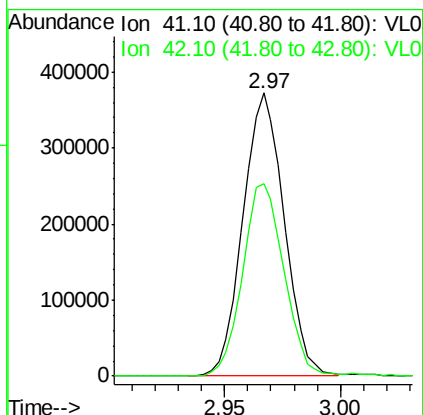
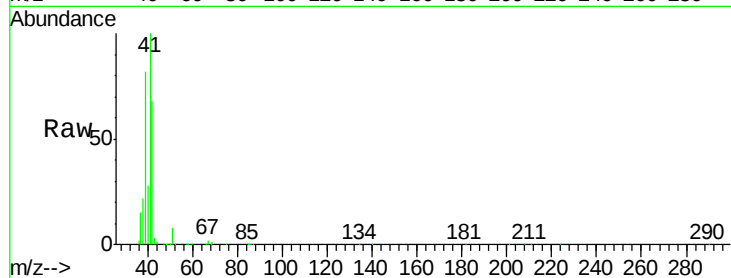
#9
 Propene
 Concen: 10.794 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 460177
 Ion Ratio Lower Upper
 41 100
 42 69.0 55.2 82.8

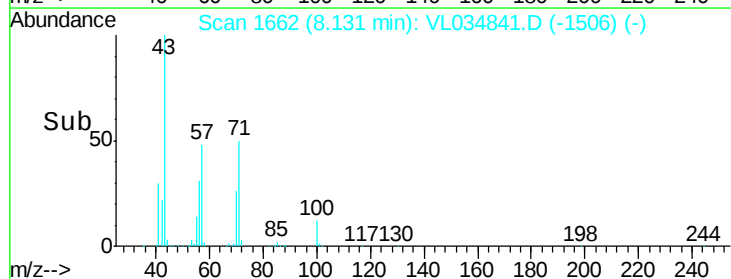
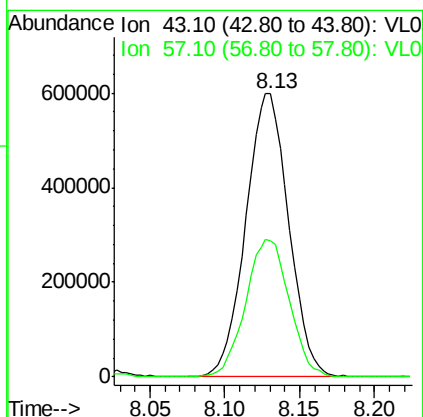
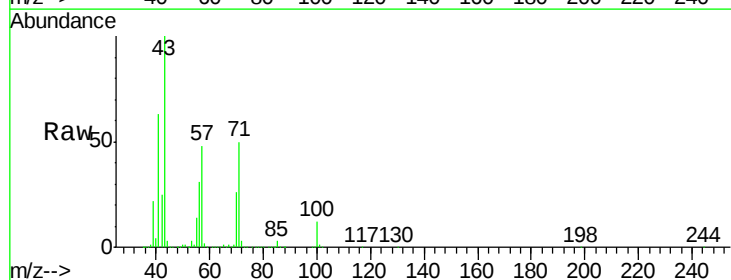
Manual Integrations
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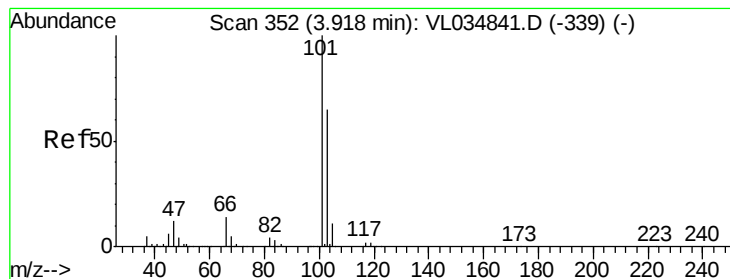
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#10
 Heptane
 Concen: 10.972 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1188718
 Ion Ratio Lower Upper
 43 100
 57 49.8 39.7 59.5





#11

Trichlorofluoromethane

Concen: 8.899 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1235433

Ion Ratio Lower Upper

101 100

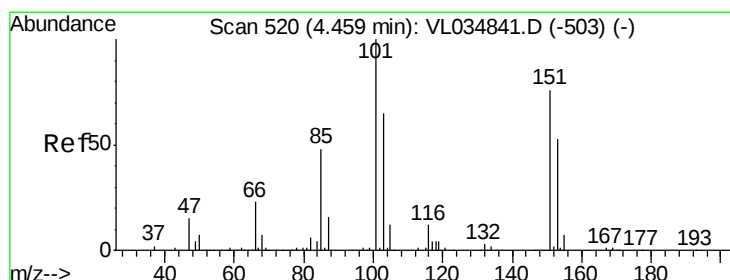
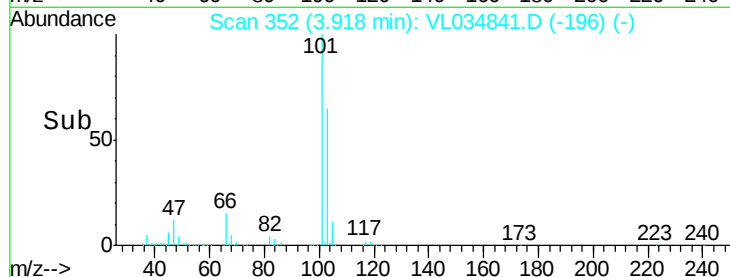
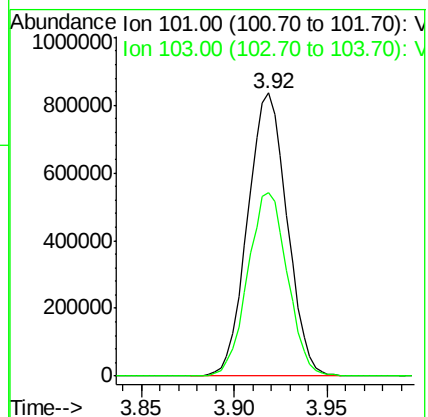
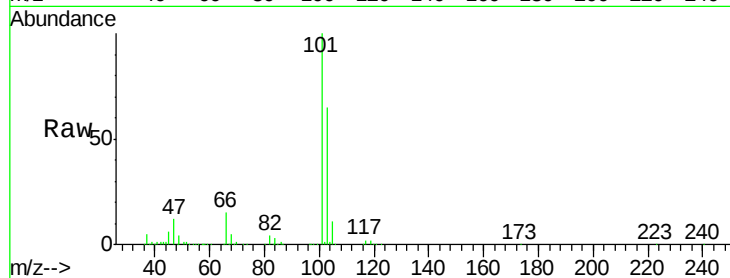
103 64.8 51.8 77.8

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.114 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL034841.D

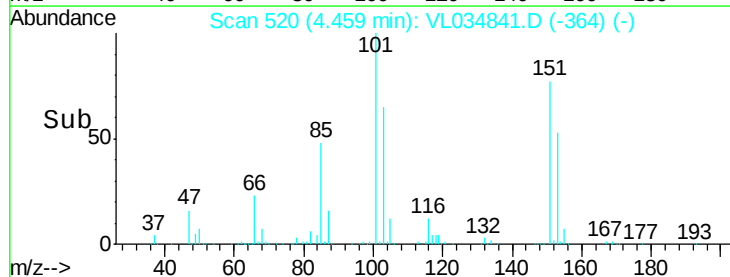
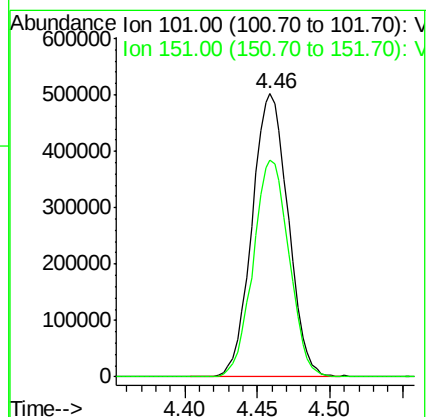
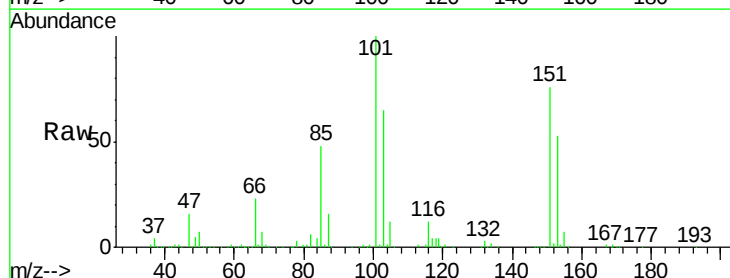
Acq: 9 Mar 2020 11:29

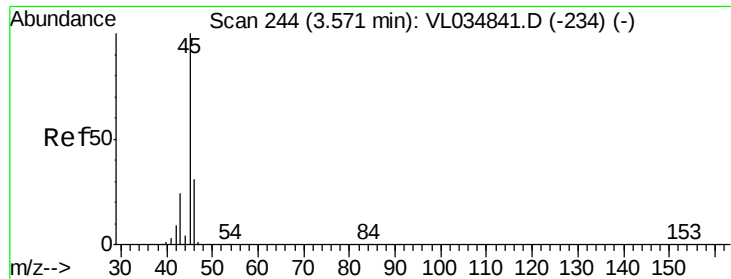
Tgt Ion:101 Resp: 873018

Ion Ratio Lower Upper

101 100

151 75.9 60.8 91.2





#13

Ethanol

Concen: 8.022 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 117181

Ion Ratio Lower Upper

45 100

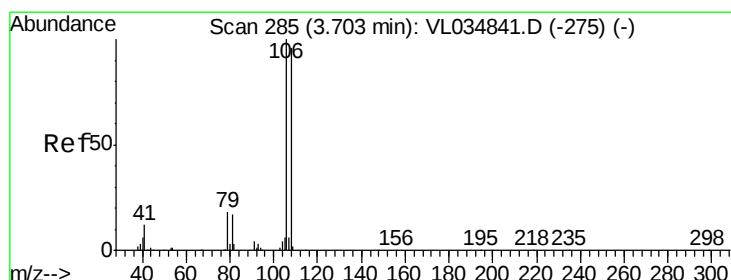
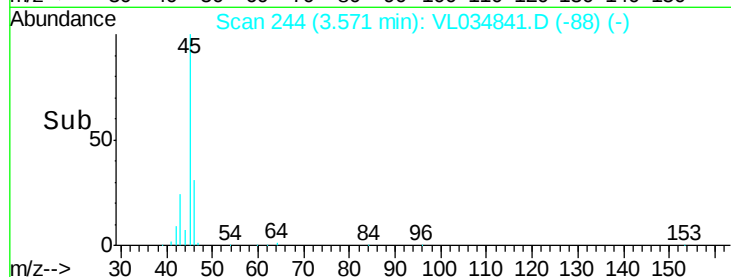
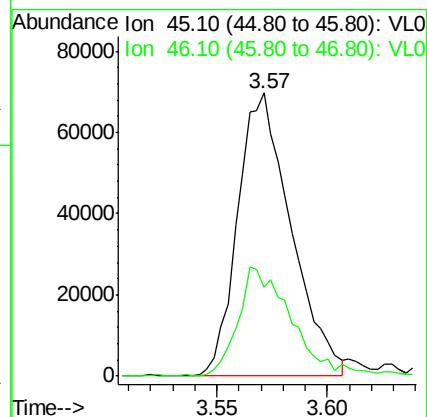
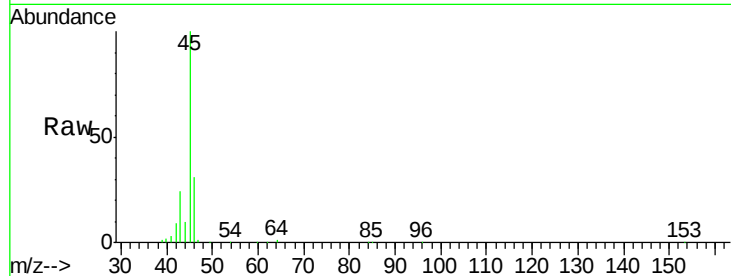
46 40.0 16.0 64.0

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#14

Bromoethene

Concen: 10.007 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

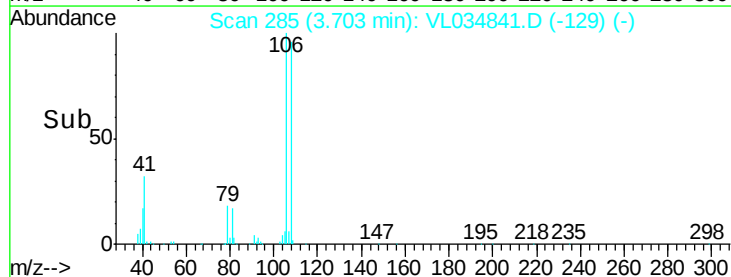
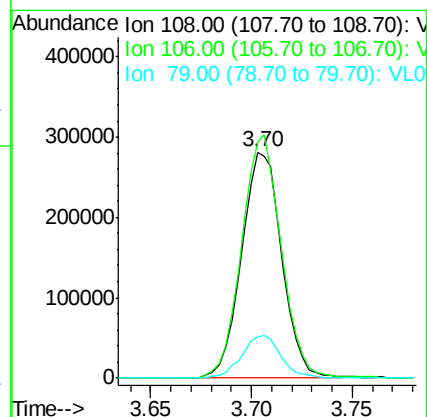
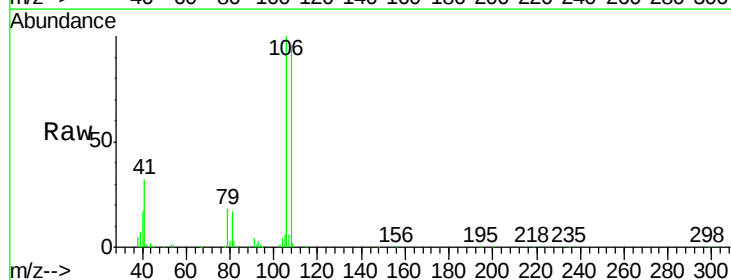
Tgt Ion: 108 Resp: 393320

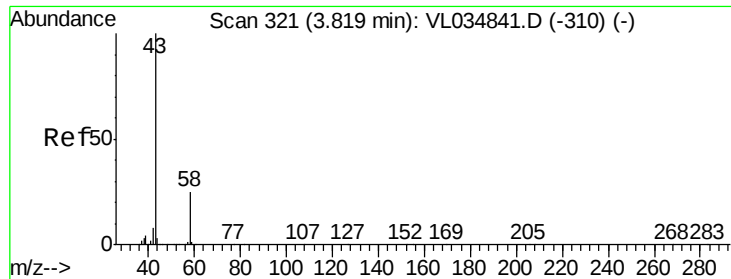
Ion Ratio Lower Upper

108 100

106 106.4 85.1 127.7

79 18.4 14.7 22.1





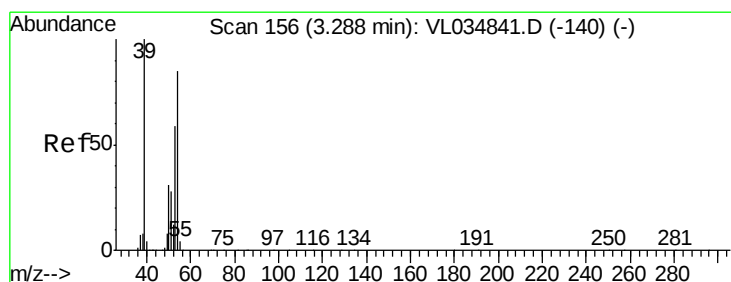
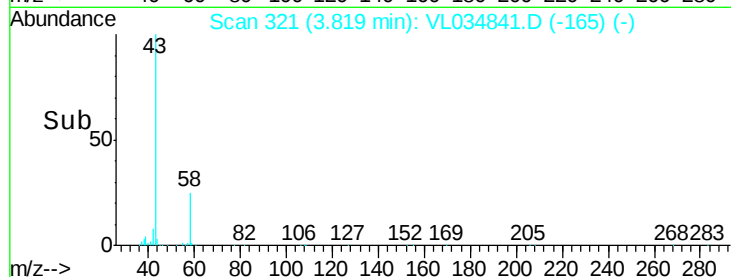
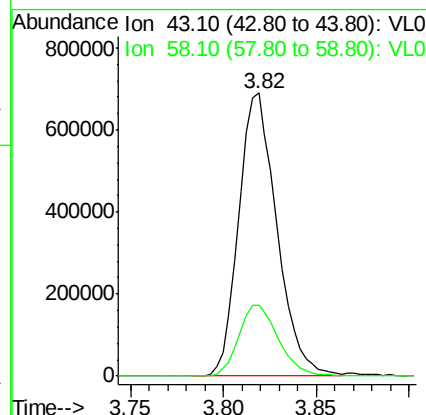
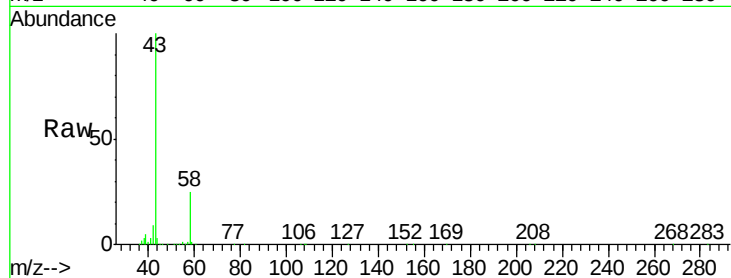
#15
Acetone
Concen: 8.666 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.0	31.6

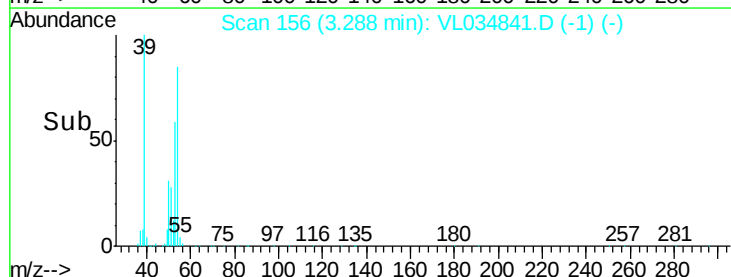
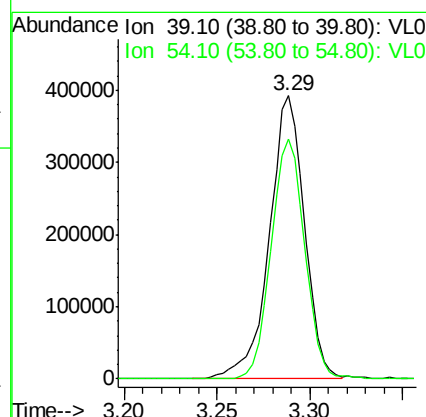
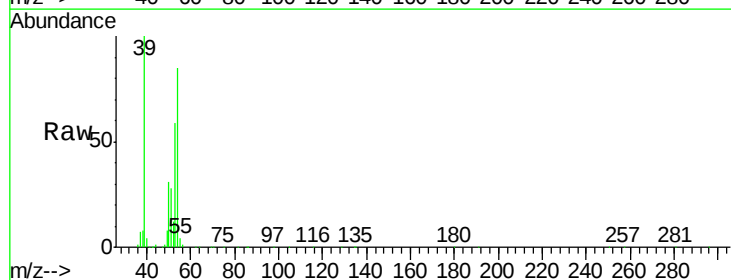
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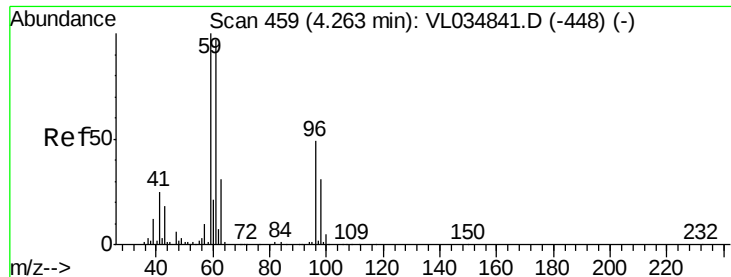
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#16
1,3-Butadiene
Concen: 10.007 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
39	100		
54	81.6	65.0	97.6





#17

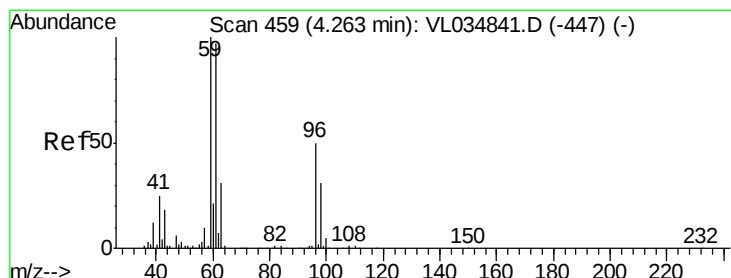
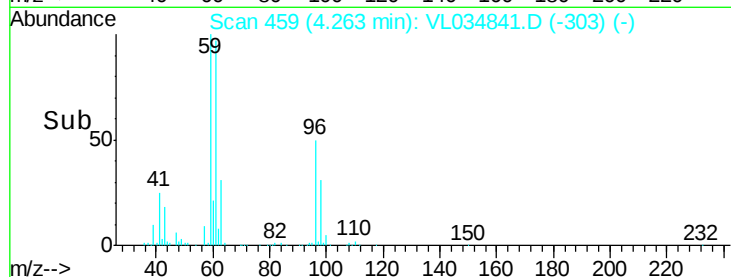
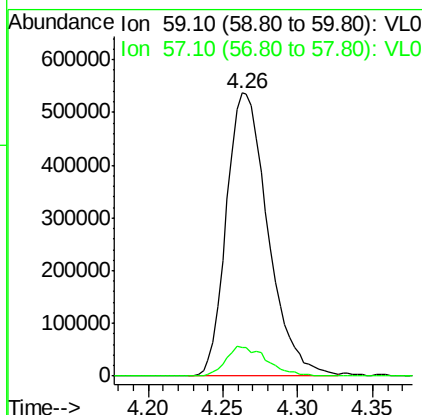
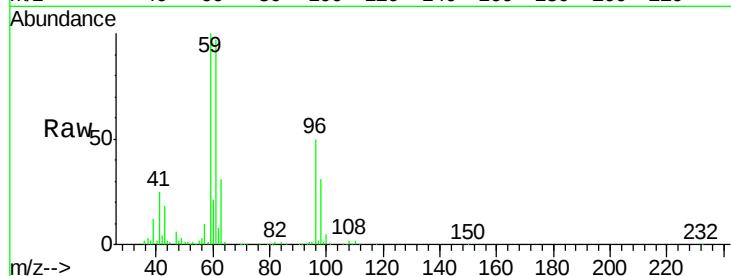
tert-Butyl alcohol
Concen: 11.587 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1040069
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

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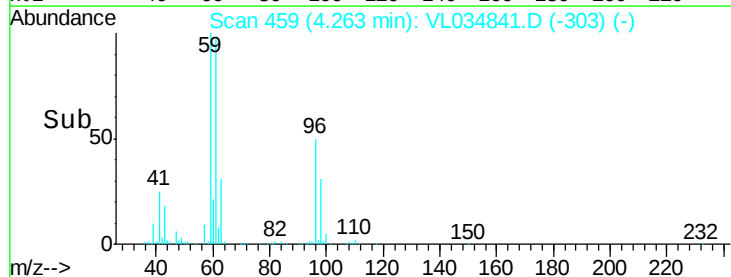
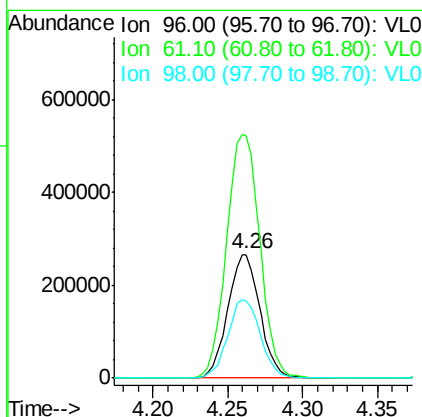
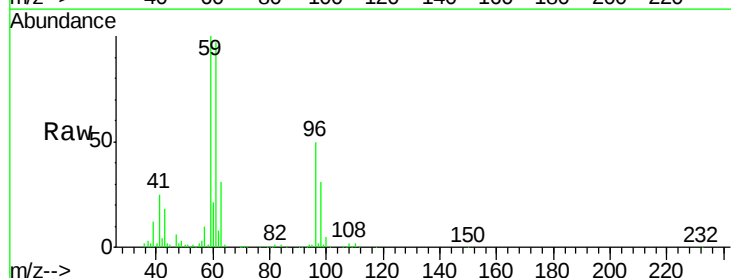
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3/11/2020 3:25:55 PM

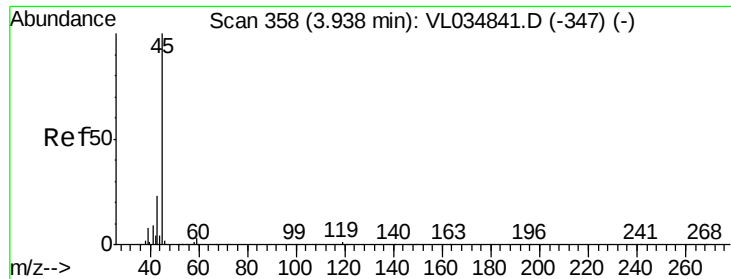


#18

1,1-Dichloroethene
Concen: 9.425 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 96 Resp: 398136
Ion Ratio Lower Upper
96 100
61 196.6 157.3 235.9
98 62.8 50.2 75.4





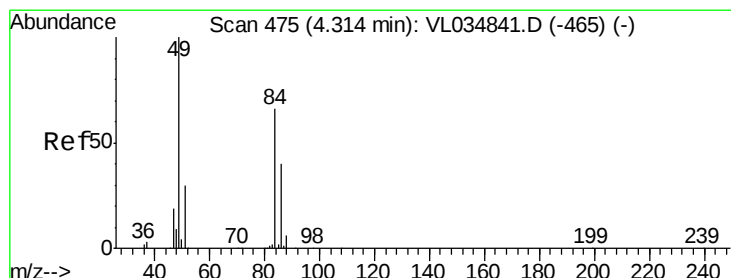
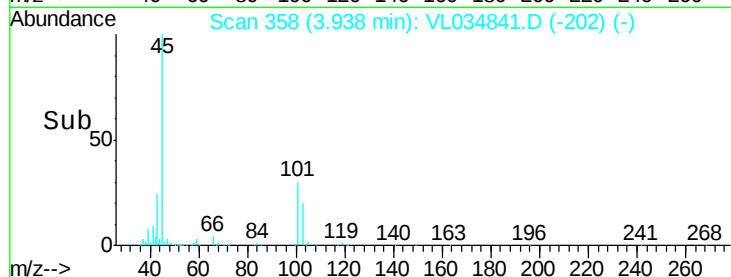
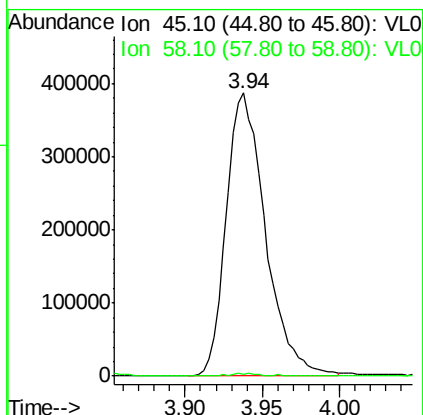
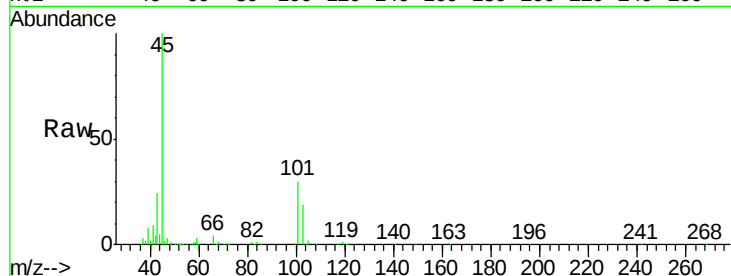
#19
Isopropyl Alcohol
Concen: 9.965 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 679728
Ion Ratio Lower Upper
45 100
58 38.1 30.5 45.7

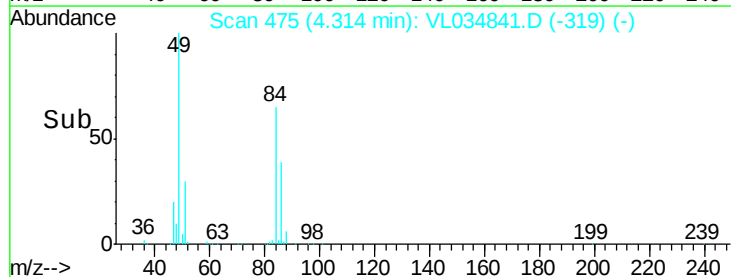
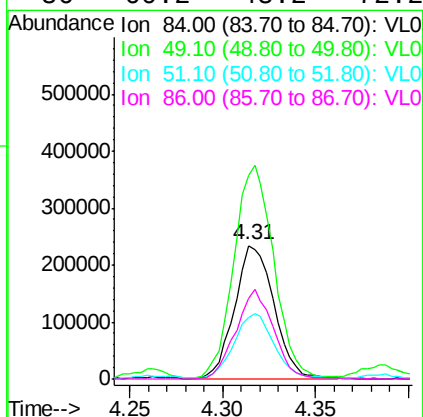
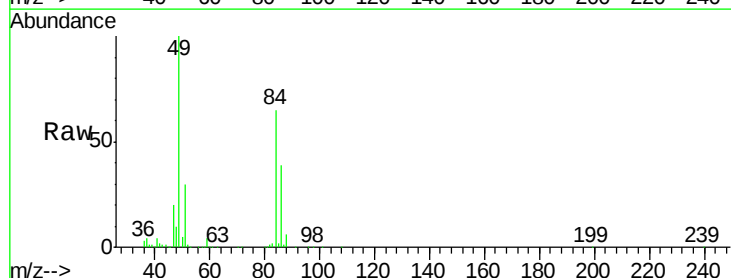
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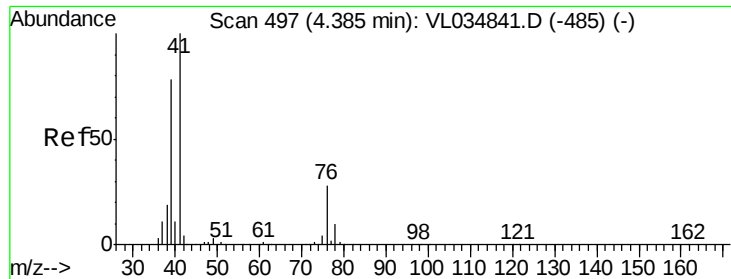
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#20
Methylene Chloride
Concen: 8.523 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 84 Resp: 346274
Ion Ratio Lower Upper
84 100
49 151.9 121.5 182.3
51 45.8 36.6 55.0
86 60.2 48.2 72.2





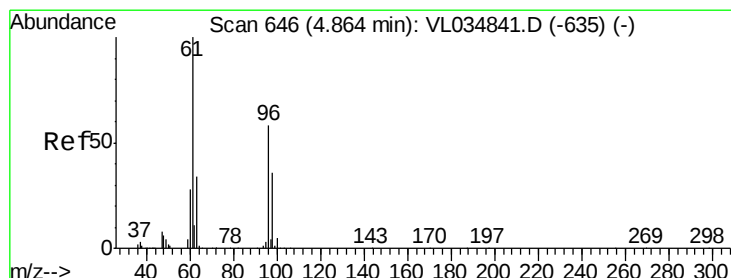
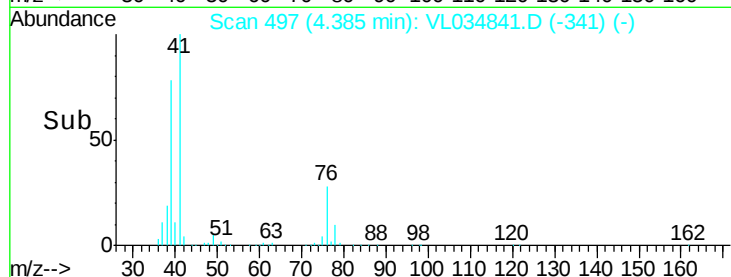
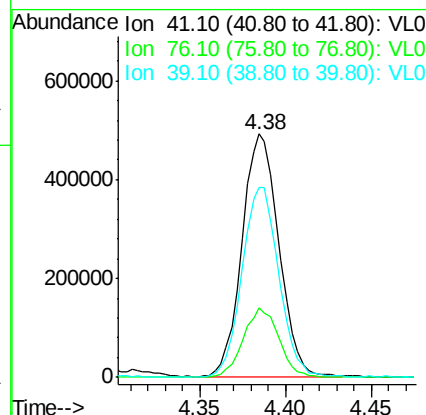
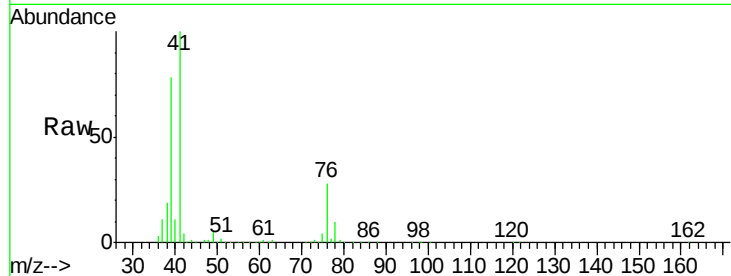
#21
Allvl Chloride
Concen: 10.154 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.7	22.2	33.2
39	78.2	62.6	93.8

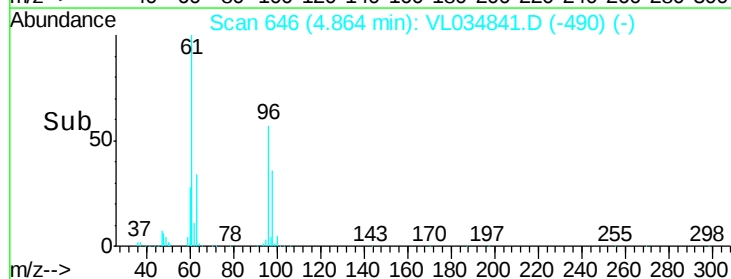
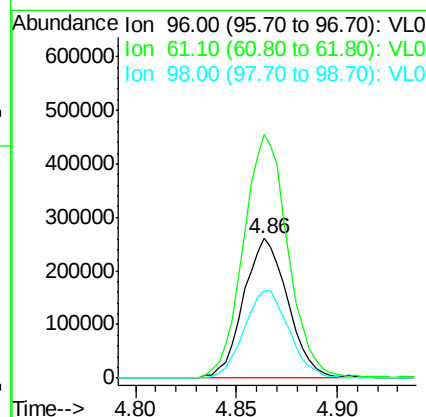
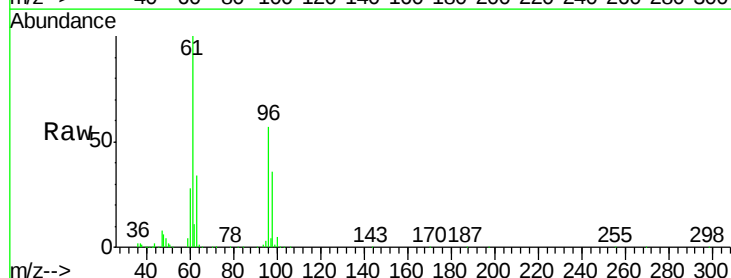
Manual Integrations
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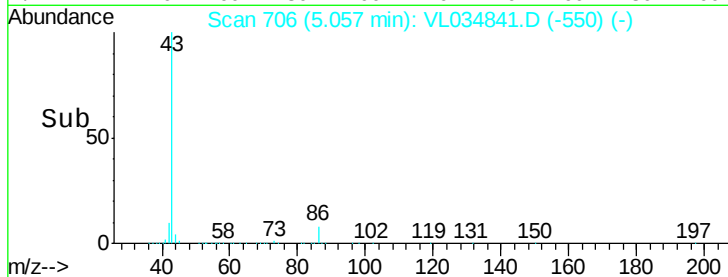
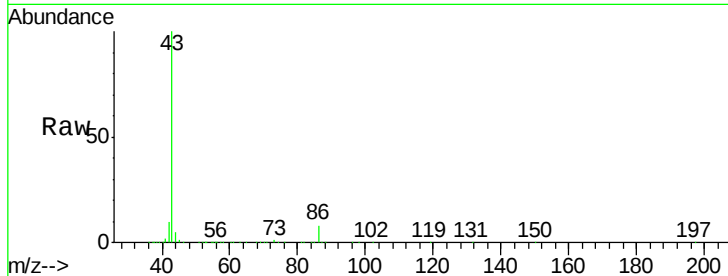
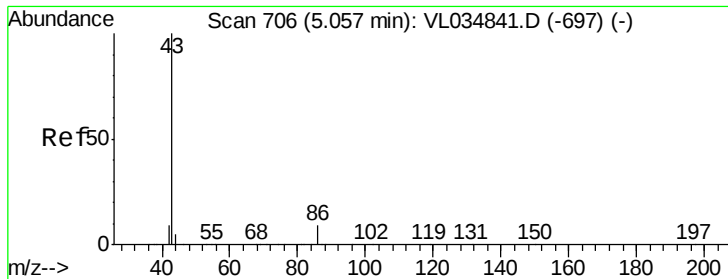
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.736 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.8	139.0	208.6
98	62.9	50.3	75.5





#23

Vinyl Acetate

Concen: 11.194 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tot Ion: 43 Resp: 1708866

Ion Ratio Lower Upper

43 100

86 7.9 6.3 9.5

42 9.8 7.8 11.8

44 5.0 4.0 6.0

Instrument :

MSVOA_L

ClientSampleId :

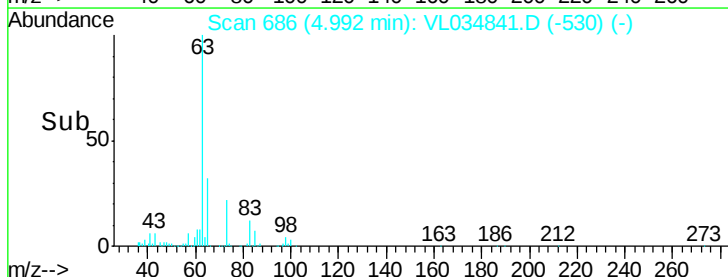
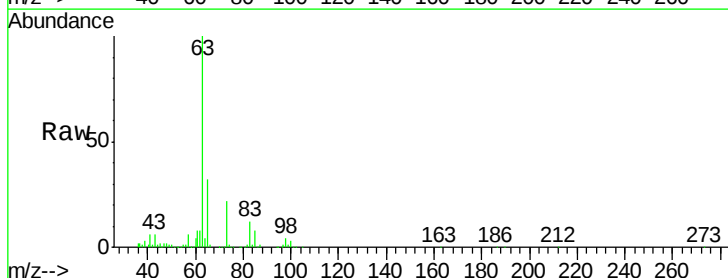
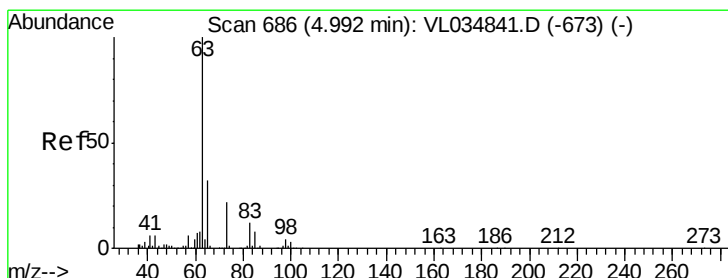
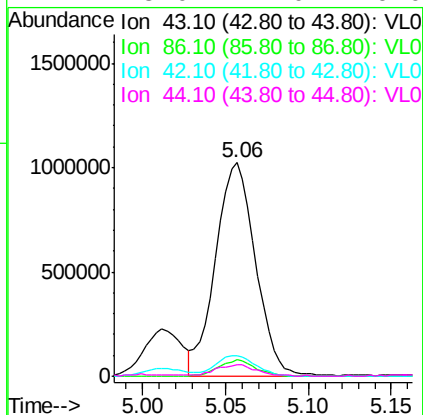
VSTDICCC010

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#24

1,1-Dichloroethane

Concen: 9.495 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

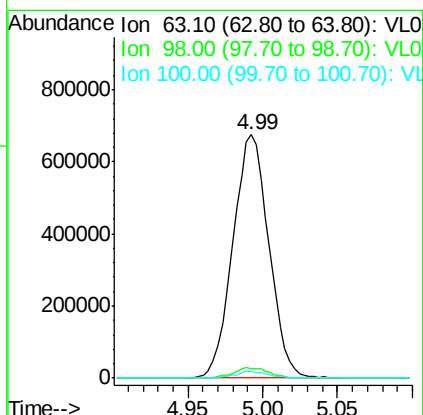
Tgt Ion: 63 Resp: 1124960

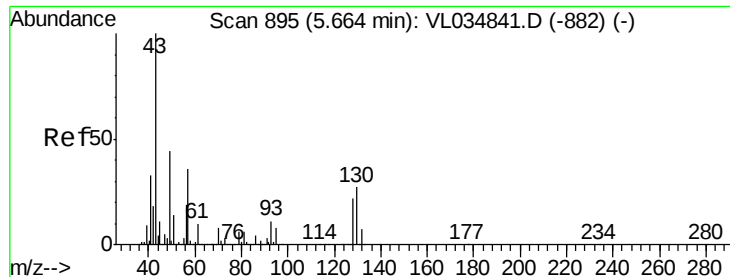
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.7 1.4 4.0





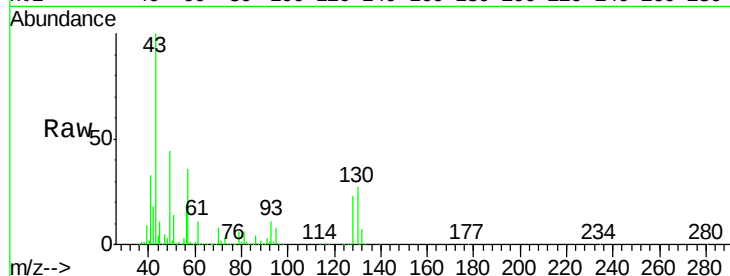
#25
Ethyl Acetate
Concen: 10.130 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.5	7.8	11.6
70	7.3	5.8	8.8

Manual Integrations
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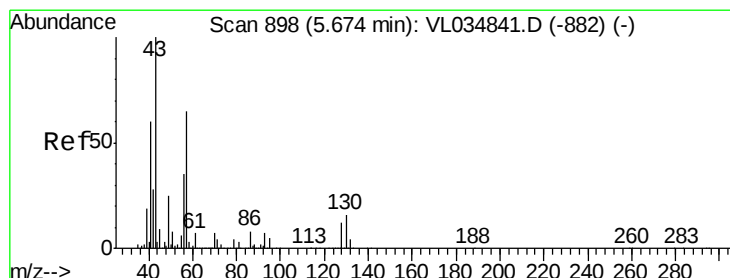
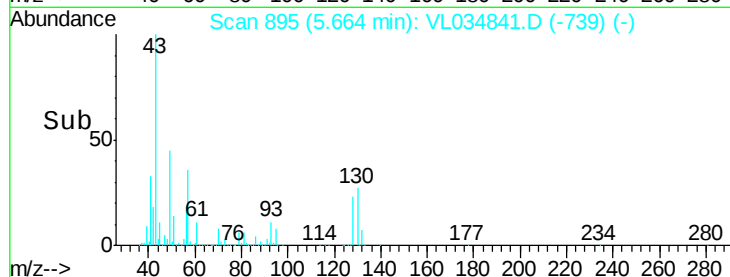
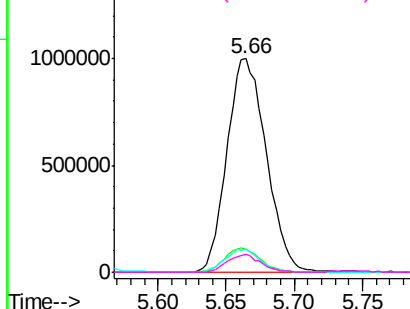
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.231 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.7	72.6	109.0
43	227.2	183.8	275.6
56	52.4	41.9	62.9

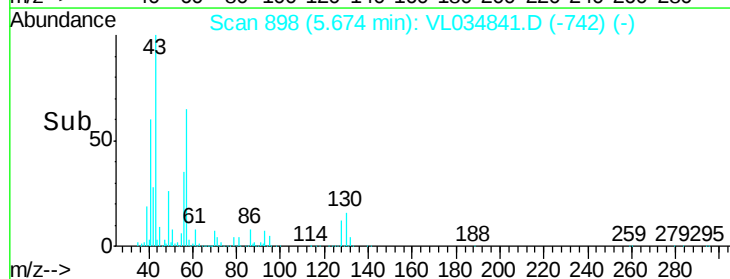
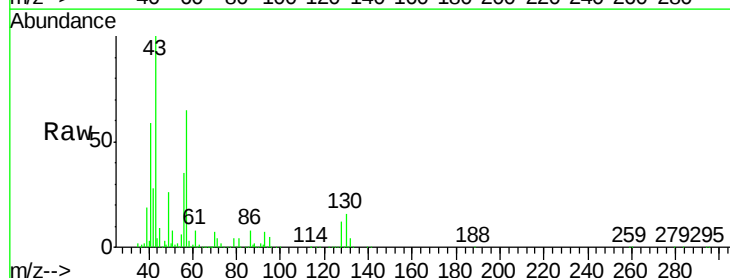
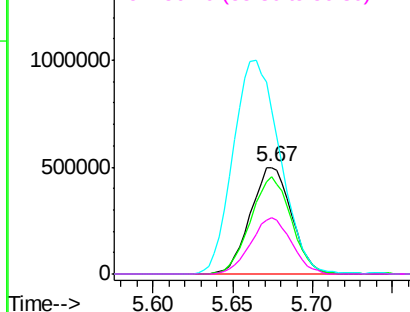
Abundance

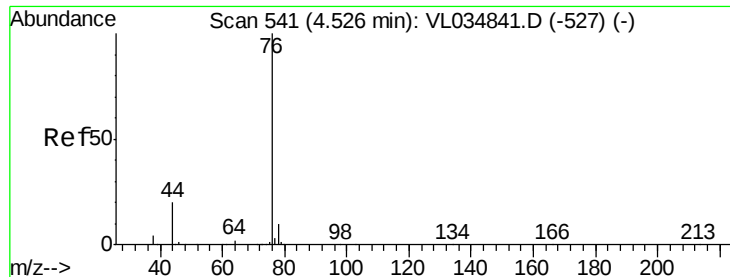
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





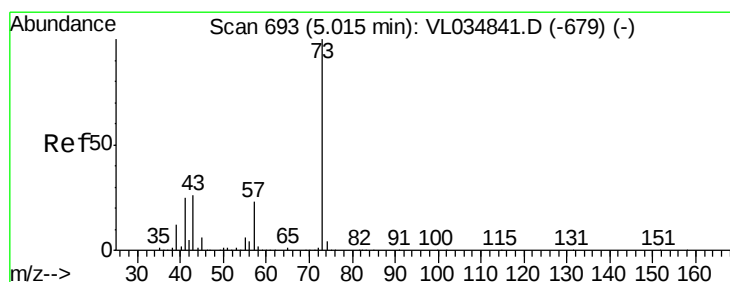
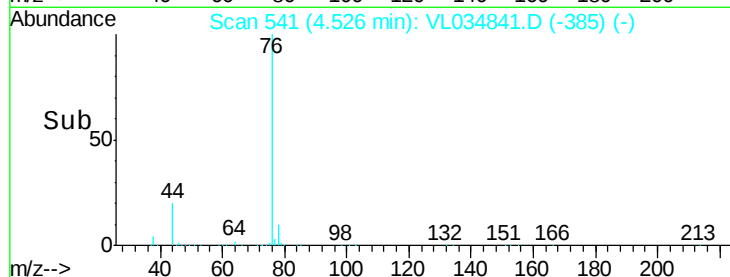
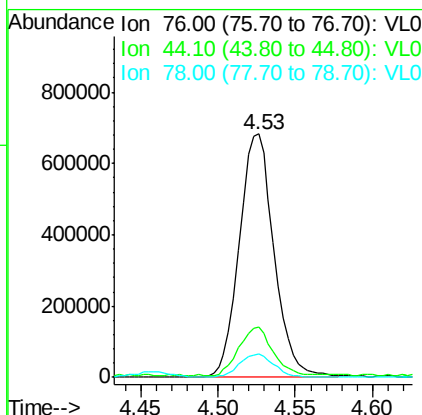
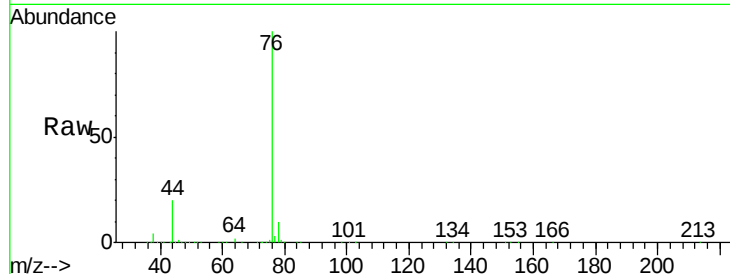
#27
Carbon Disulfide
Concen: 10.623 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 76 Resp: 1066498
Ion Ratio Lower Upper
76 100
44 20.4 16.2 24.2
78 9.7 7.8 11.6

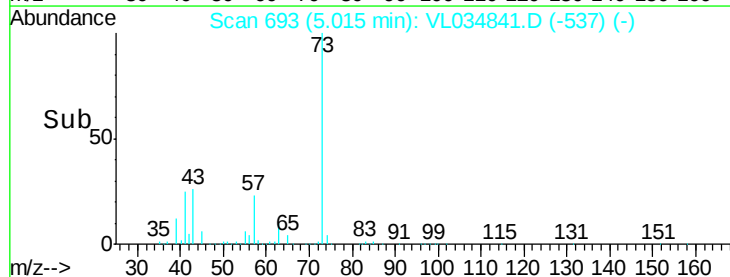
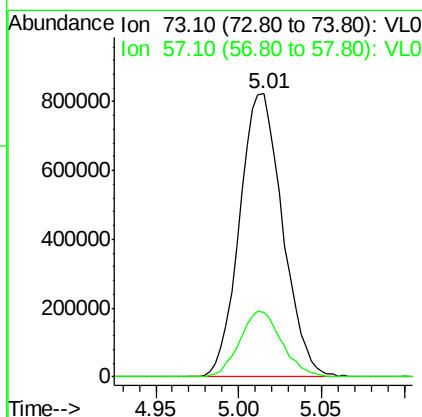
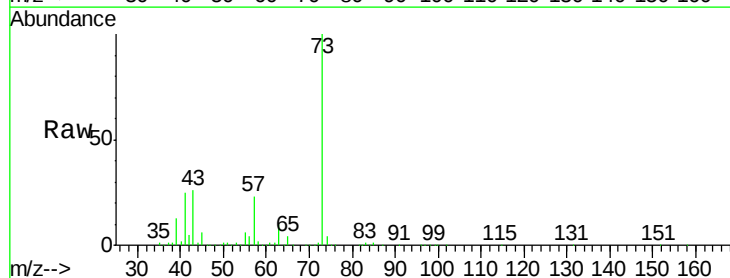
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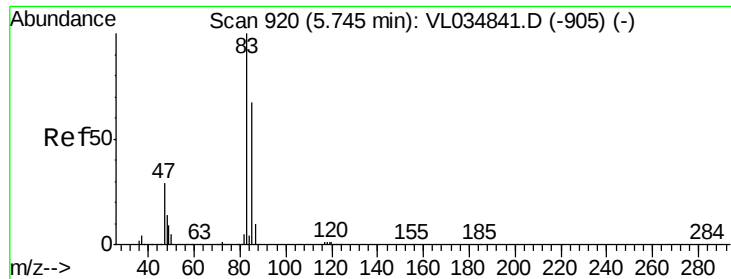
MMDadoda
3/11/2020 3:25:55 PM



#28
Methyl tert-Butyl Ether
Concen: 11.586 ppbv
RT: 5.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 73 Resp: 1482007
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5





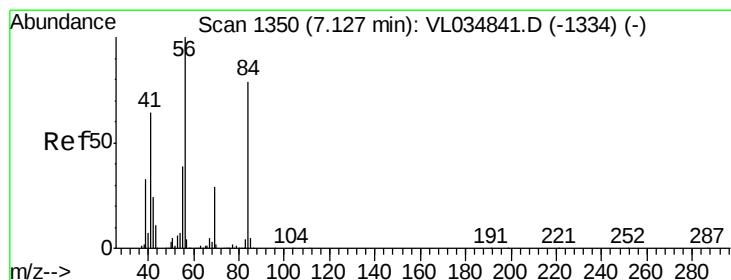
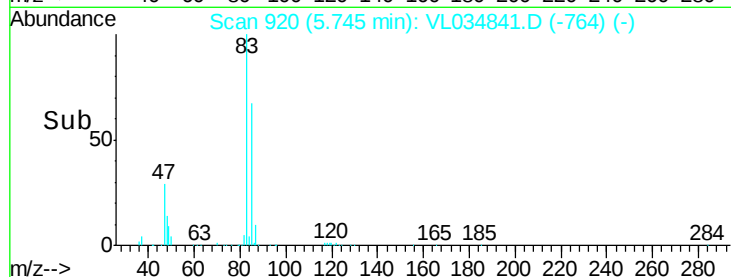
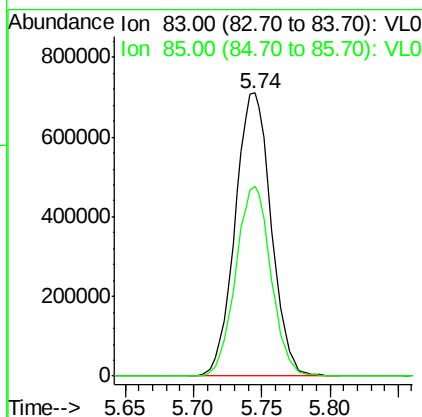
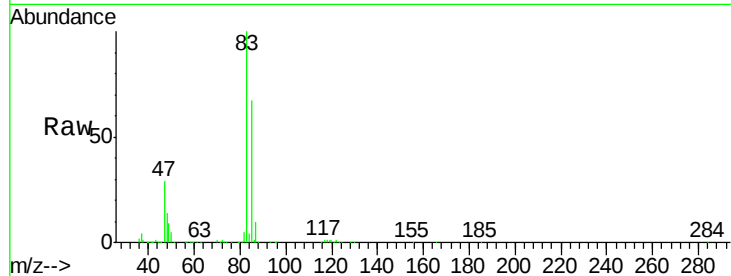
#29
Chloroform
Concen: 9.007 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1303066
Ion Ratio Lower Upper
83 100
85 67.2 53.8 80.6

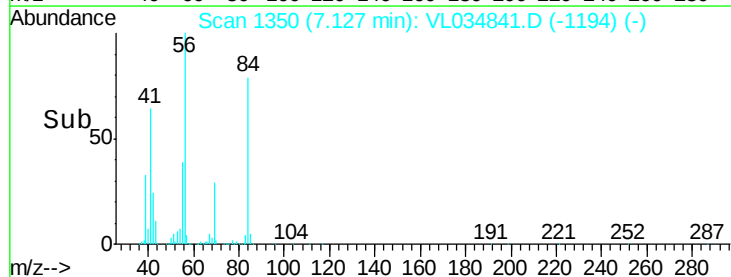
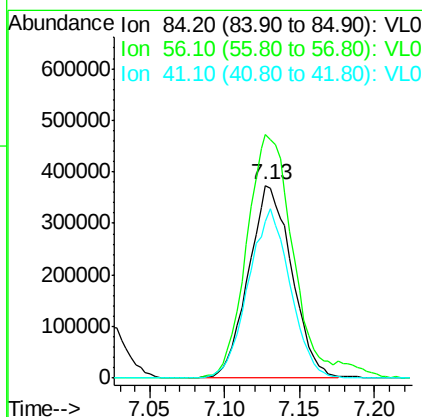
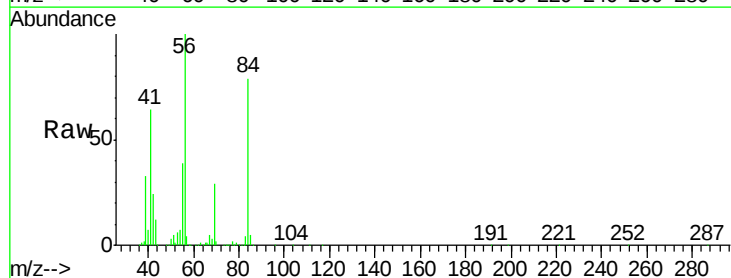
Manual Integrations
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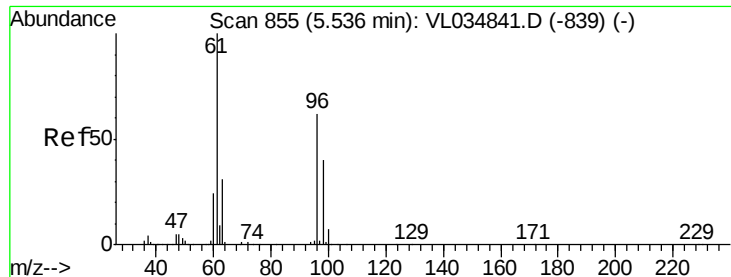
MMDadoda
3/11/2020 3:25:55 PM



#30
Cyclohexane
Concen: 11.428 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 84 Resp: 751354
Ion Ratio Lower Upper
84 100
56 138.2 110.5 165.7
41 85.3 68.2 102.4





#31

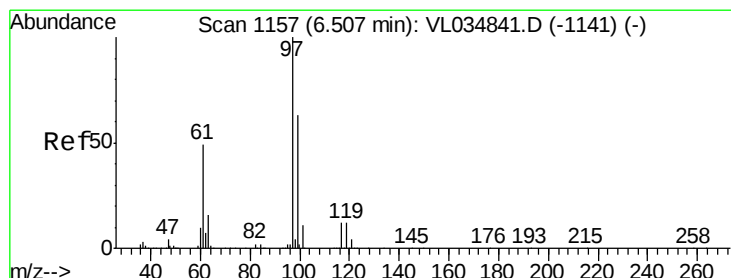
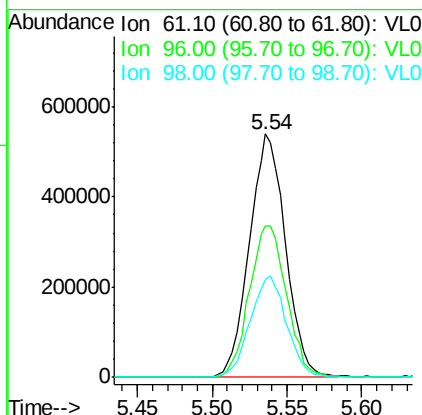
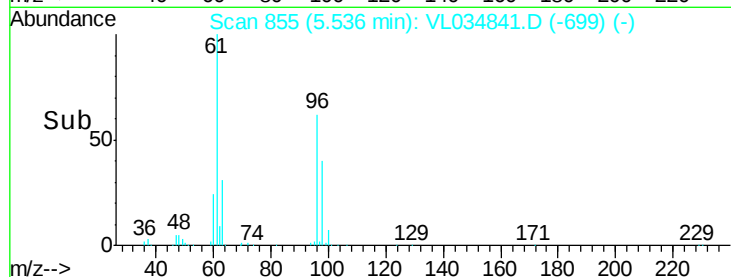
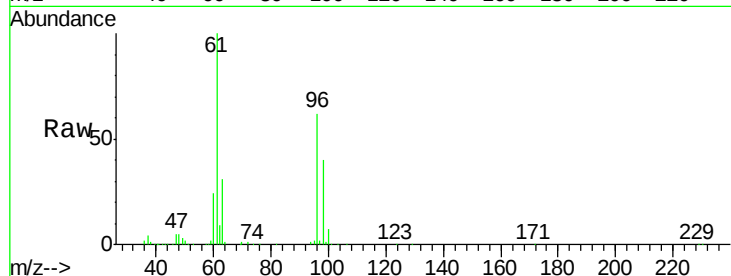
cis-1,2-Dichloroethene
Concen: 10.287 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	49.8	74.8
98	40.3	32.2	48.4

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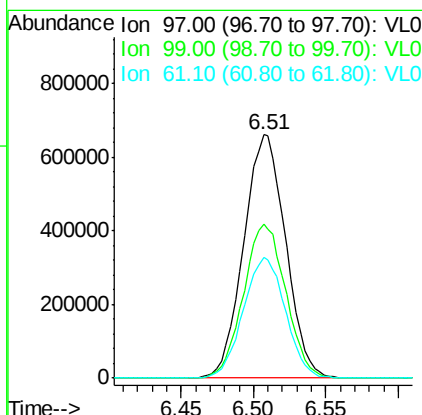
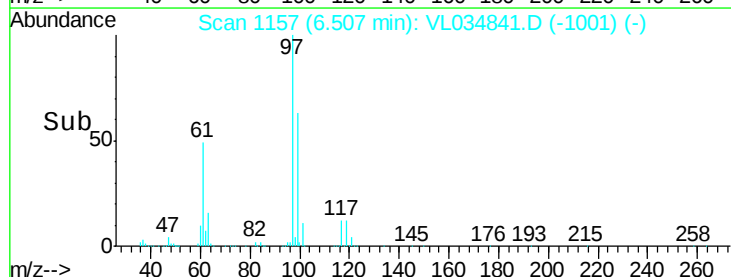
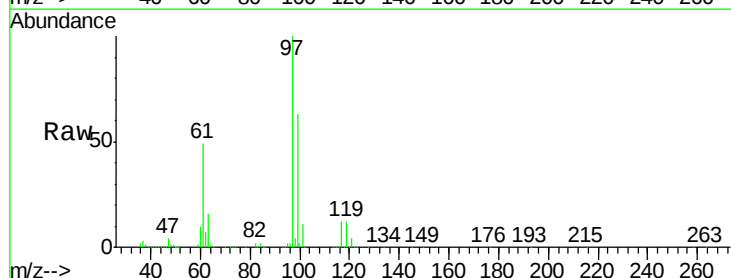
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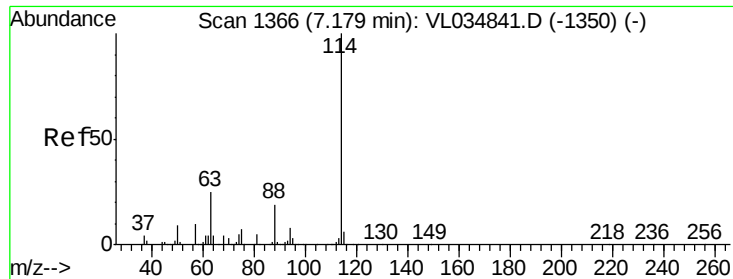


#32

1,1,1-Trichloroethane
Concen: 9.316 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	49.9	39.7	59.5





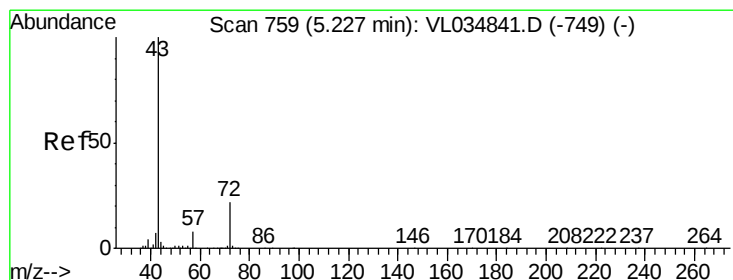
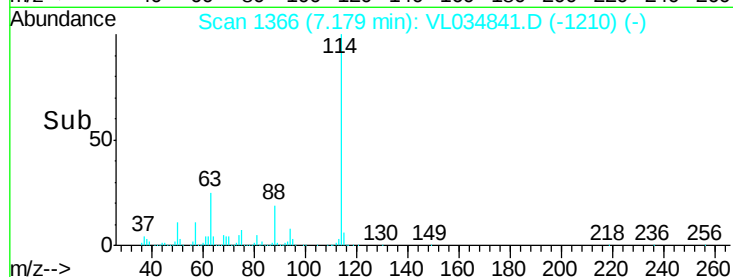
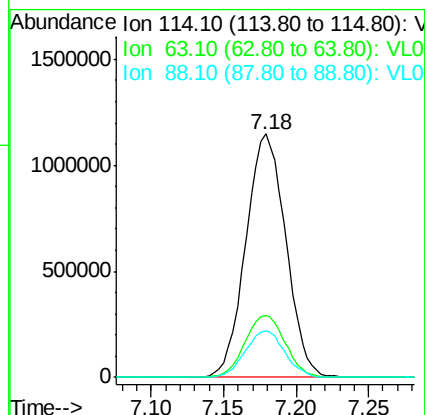
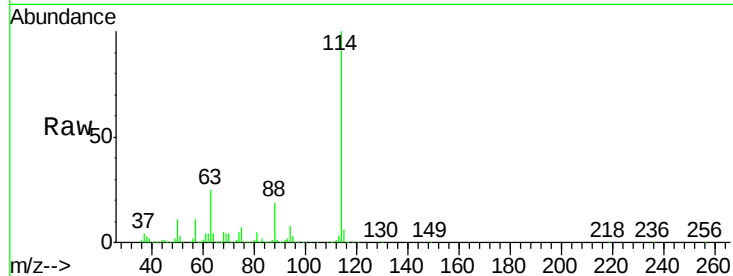
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.6	31.0
88	18.8	15.0	22.6

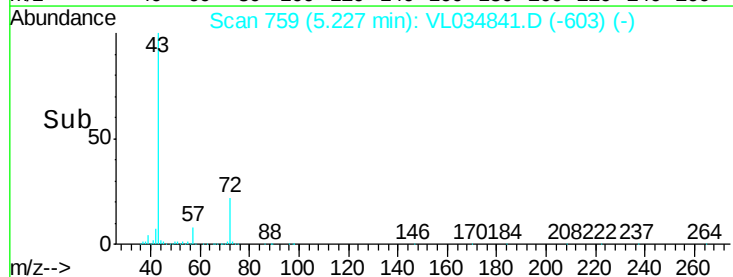
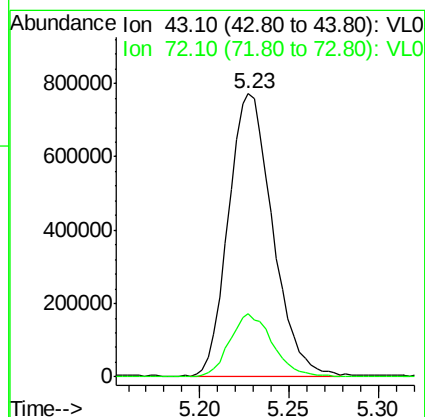
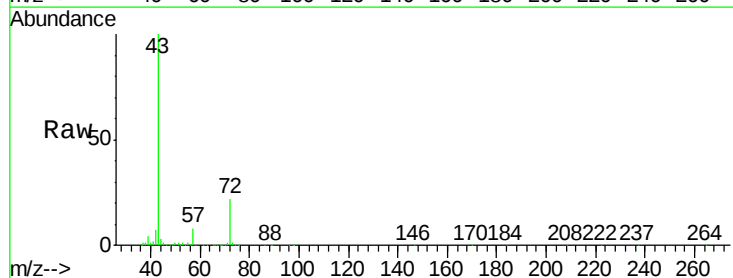
Manual Integrations
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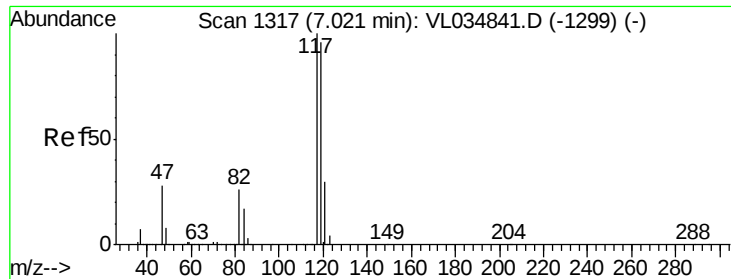
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 3/11/2020 3:25:55 PM



#34
 2-Butanone
 Concen: 9.189 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.6	26.4





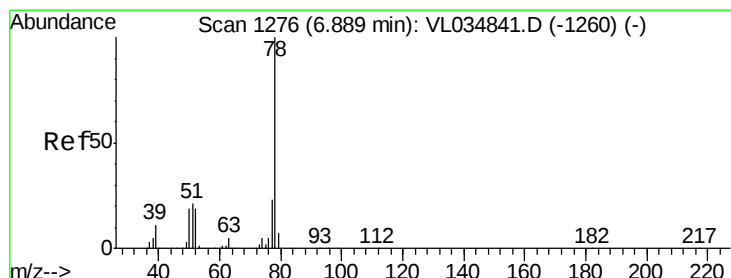
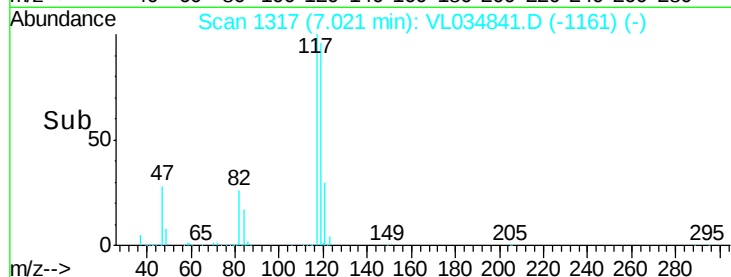
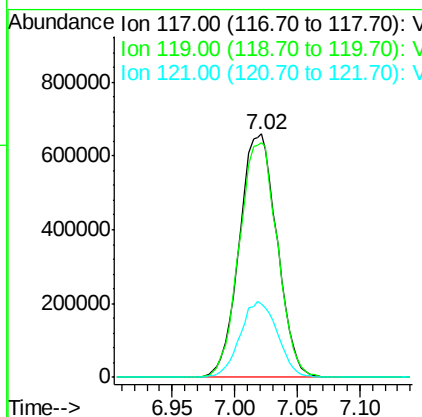
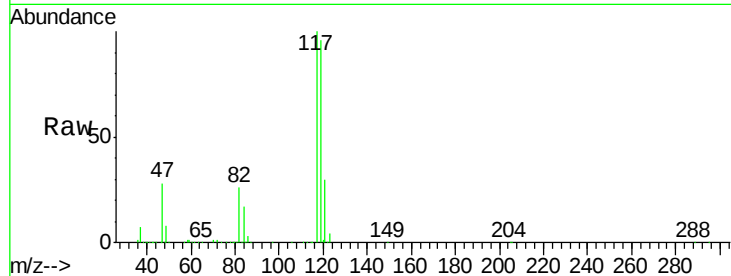
#35
Carbon Tetrachloride
Concen: 8.233 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.0	24.0	36.0

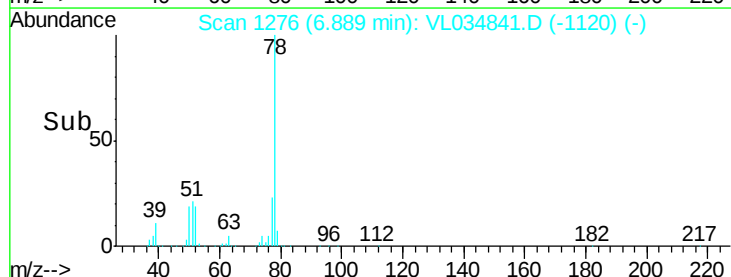
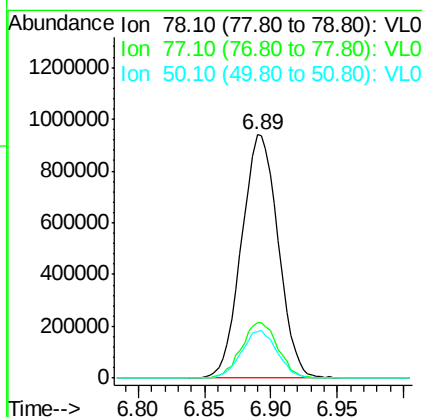
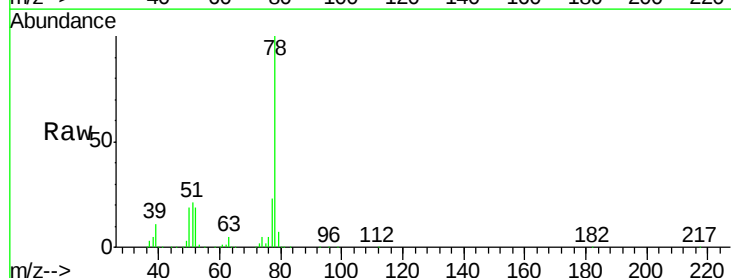
Manual Integrations
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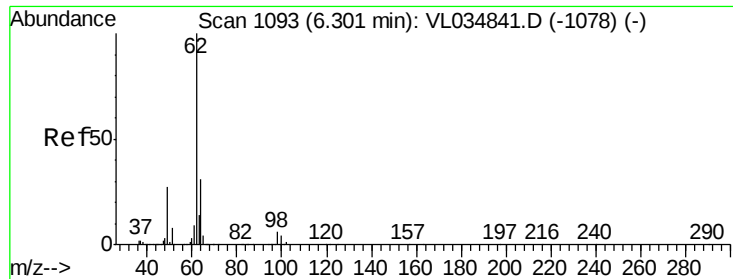
MMDadoda
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#36
Benzene
Concen: 9.565 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2
50	19.0	15.2	22.8





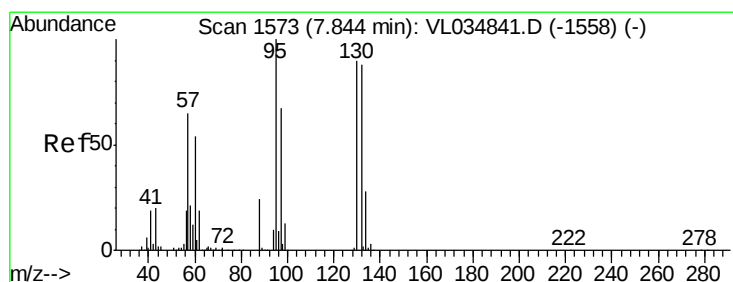
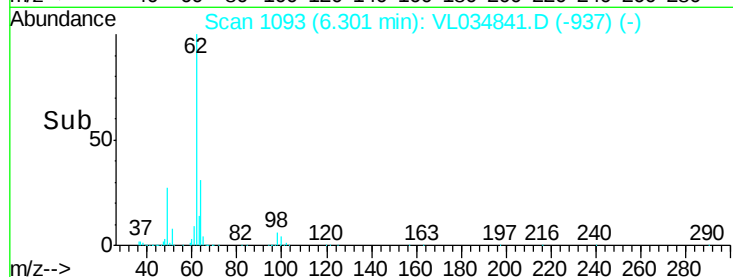
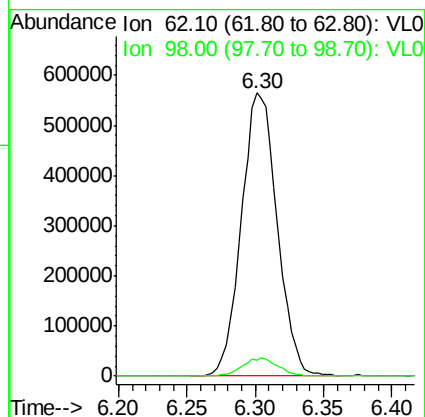
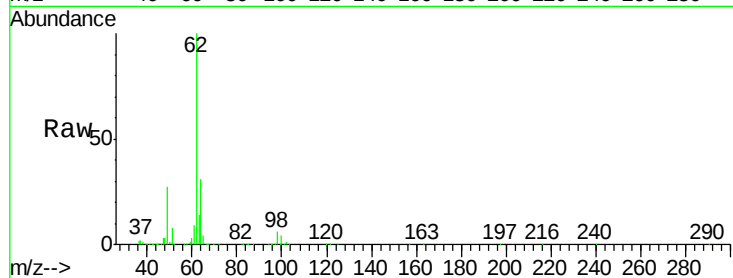
#37
 1,2-Dichloroethane
 Concen: 7.985 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.2	7.8

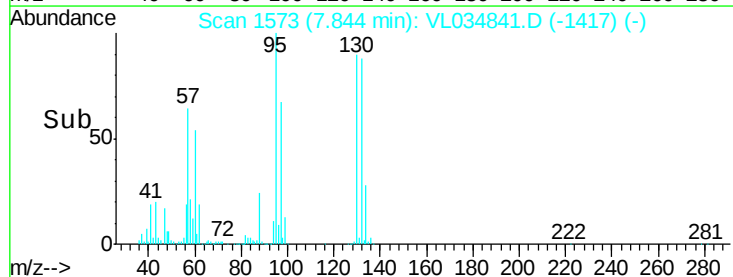
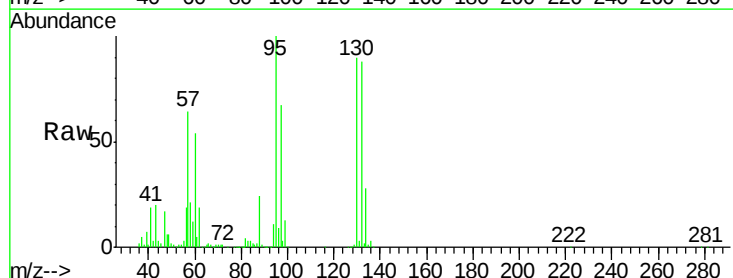
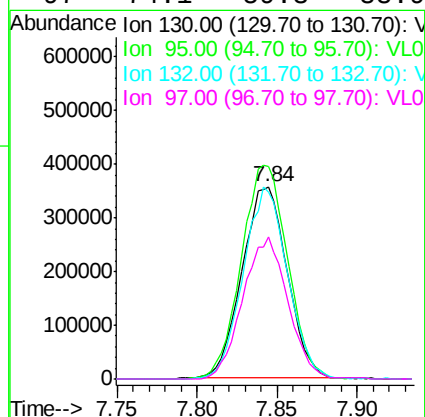
Manual Integrations
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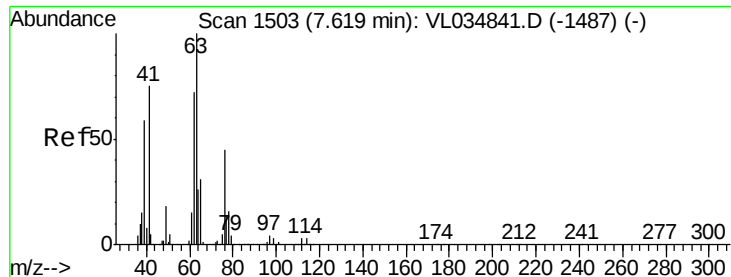
MMDadoda
 3/11/2020 3:25:55 PM



#38
 Trichloroethene
 Concen: 9.353 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.6	88.5	132.7
132	97.5	78.0	117.0
97	74.1	59.3	88.9





#39

1,2-Dichloropropane

Concen: 9.296 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

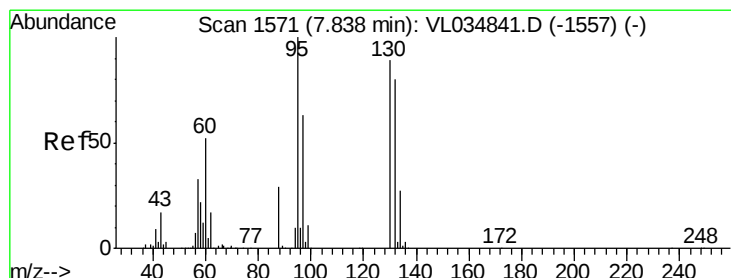
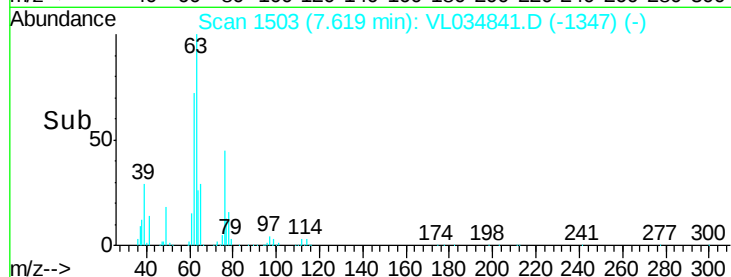
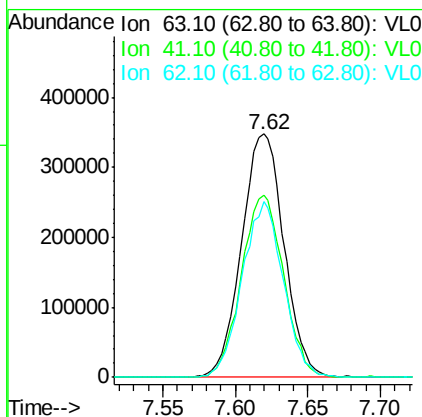
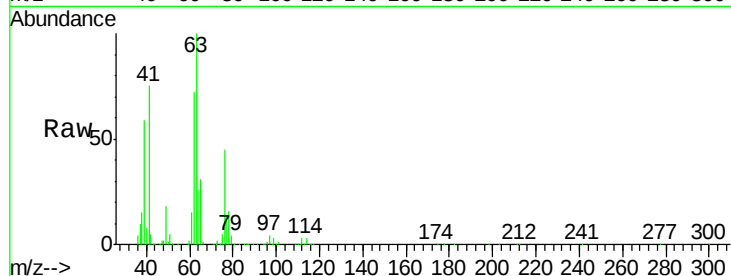
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	707816
Ion	Ratio	Lower	Upper
63	100		
41	74.8	59.8	89.8
62	72.0	57.6	86.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.623 ppbv

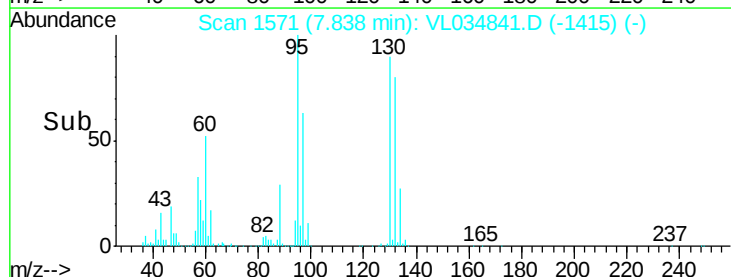
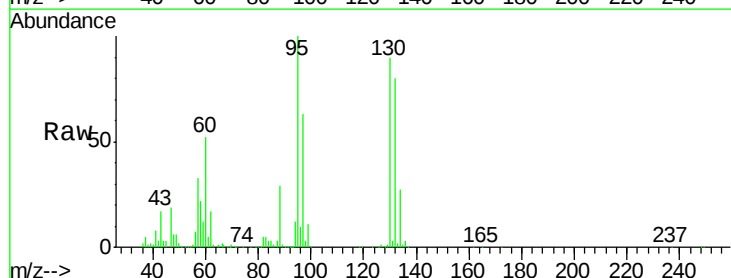
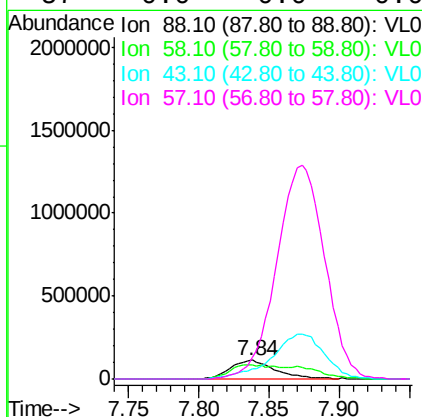
RT: 7.84 min Scan# 1571

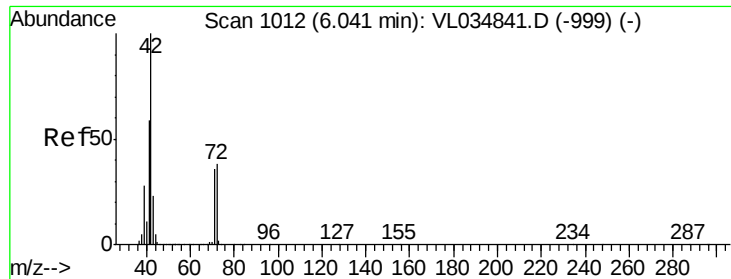
Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion:	88	Resp:	253420
Ion	Ratio	Lower	Upper
88	100		
58	129.9	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





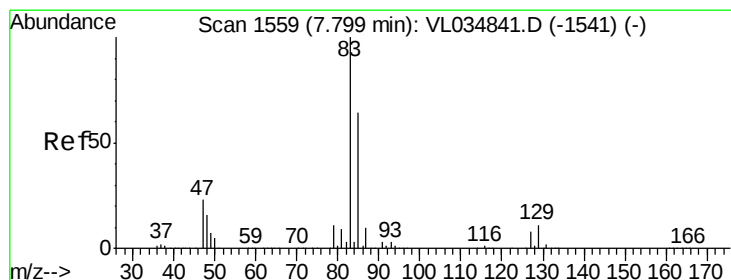
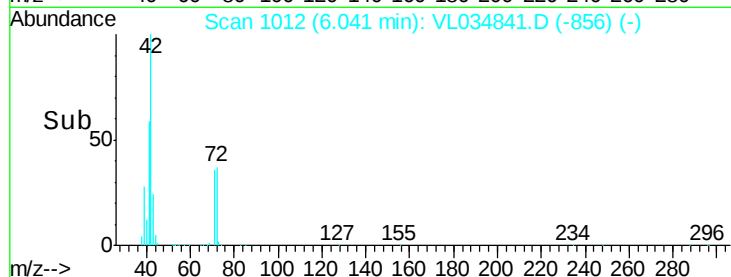
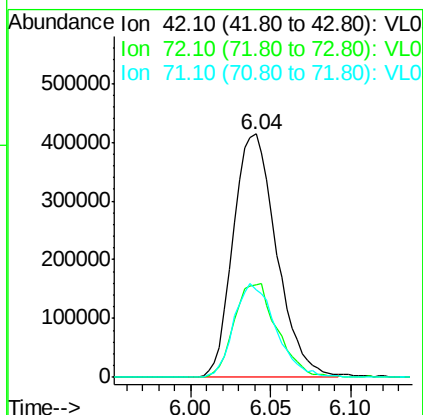
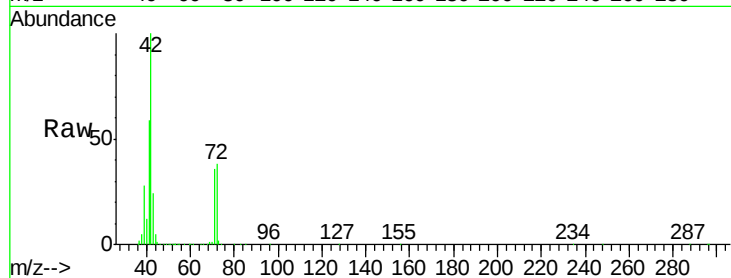
#41
Tetrahydrofuran
Concen: 10.434 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.8	46.2
71	37.5	30.1	45.1

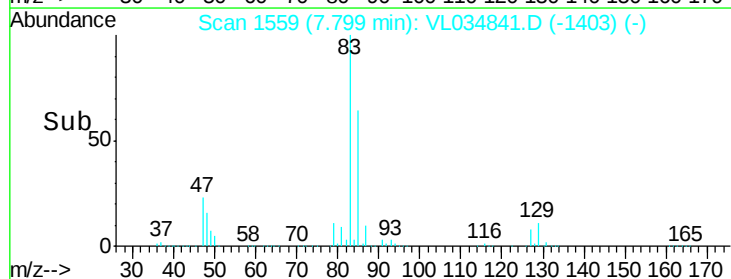
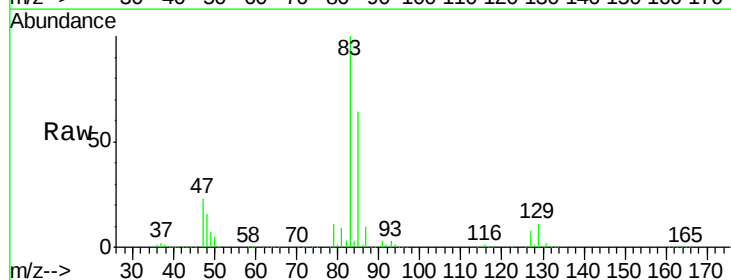
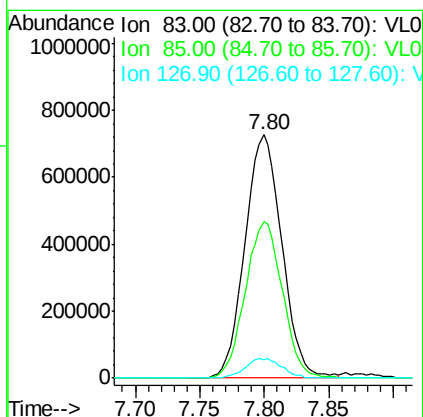
Manual Integrations
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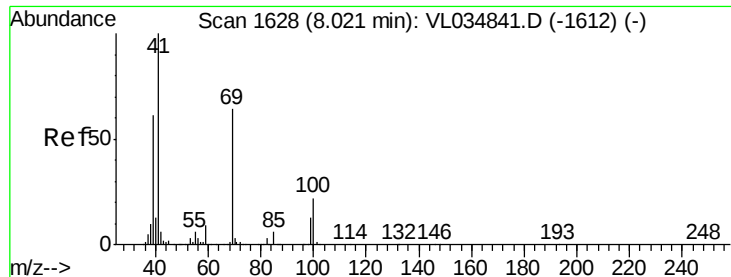
MMDadoda
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#42
Bromodichloromethane
Concen: 8.906 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2
127	7.8	6.2	9.4





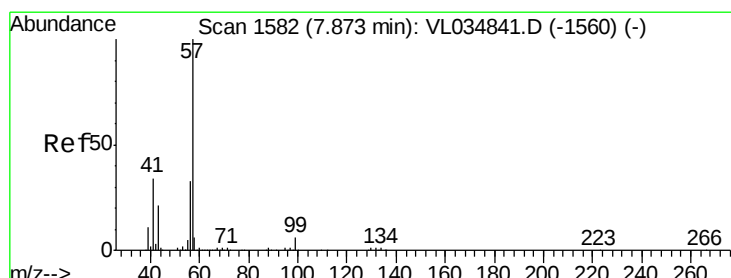
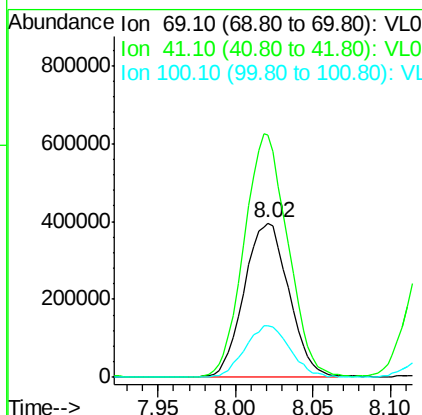
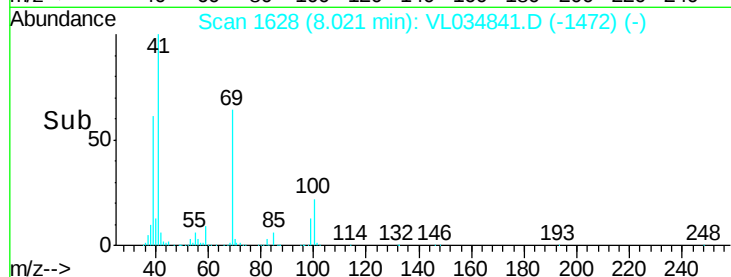
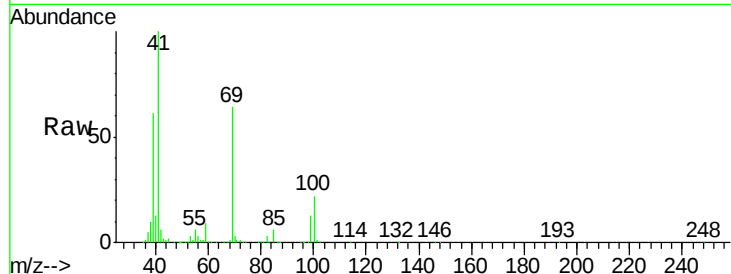
#43
Methvl Methacrvlate
Concen: 9.980 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	154.0	123.2	184.8	
100	33.6	26.9	40.3	

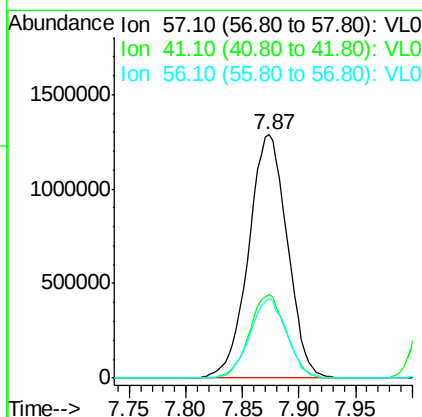
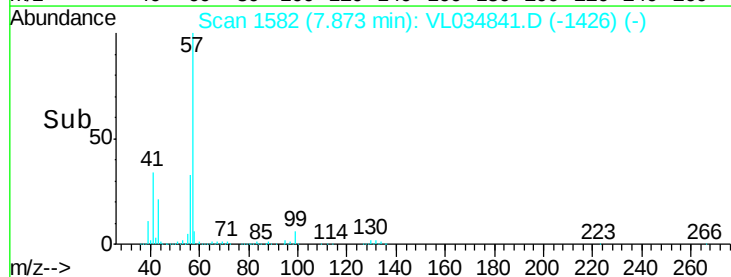
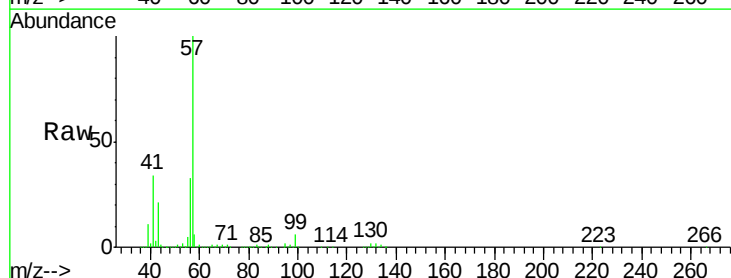
Manual Integrations
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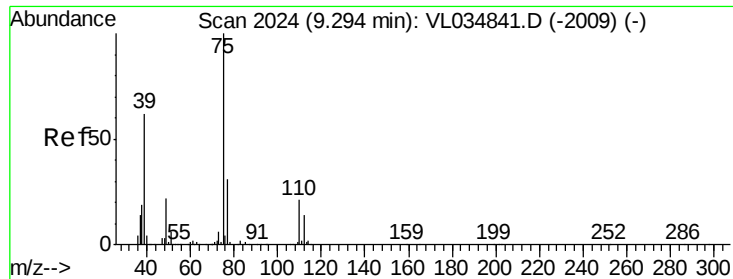
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3/11/2020 3:25:55 PM



#44
2,2,4-Trimethylpentane
Concen: 9.295 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.6	26.2	39.4	
56	31.1	25.0	37.4	





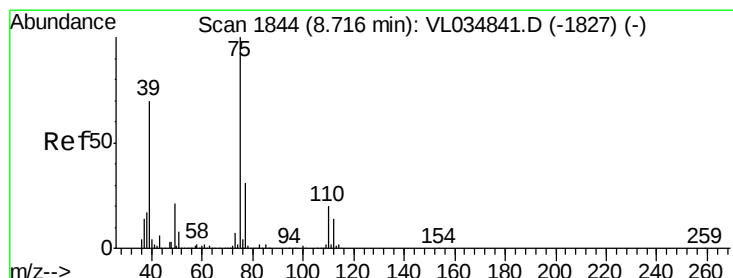
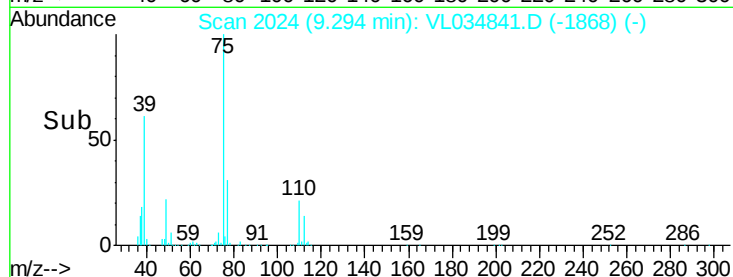
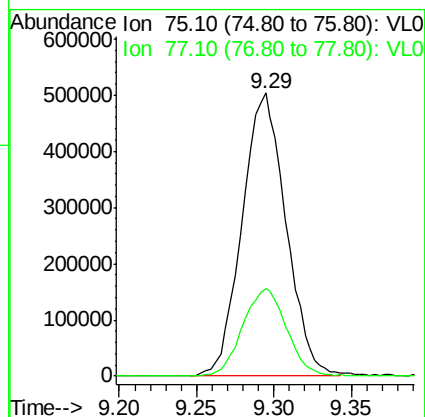
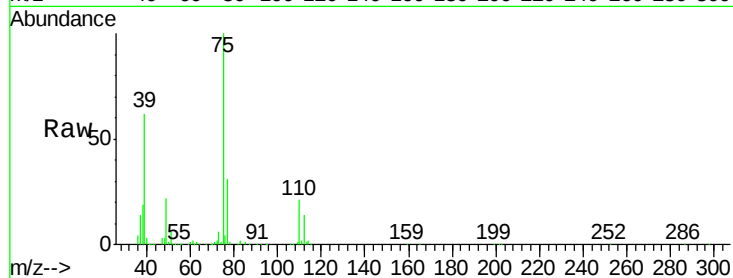
#45
t-1,3-Dichloropropene
Concen: 11.853 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 994834
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0

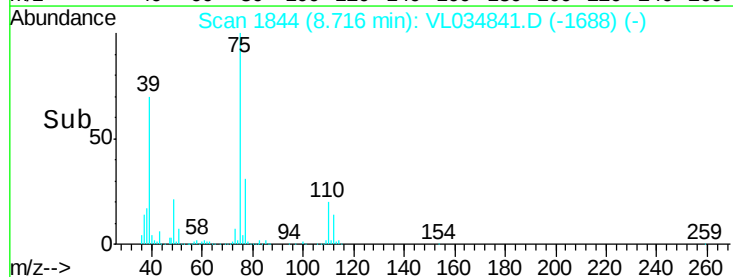
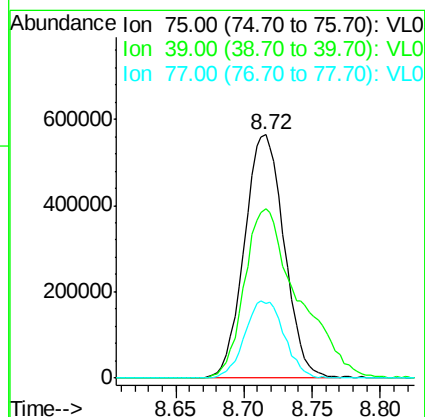
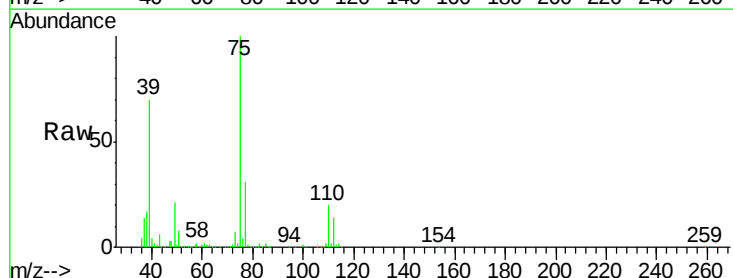
Manual Integrations
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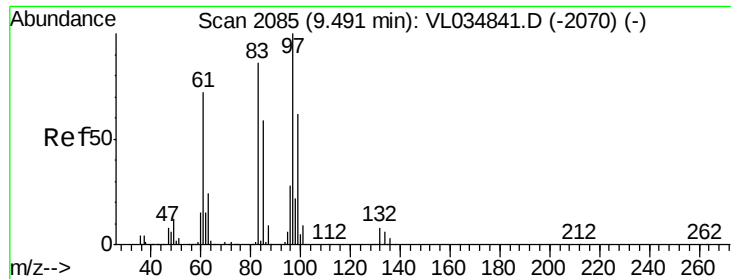
MMDadoda
3/11/2020 3:25:55 PM



#46
cis-1,3-Dichloropropene
Concen: 11.124 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 75 Resp: 1140053
Ion Ratio Lower Upper
75 100
39 69.6 55.7 83.5
77 30.9 24.7 37.1





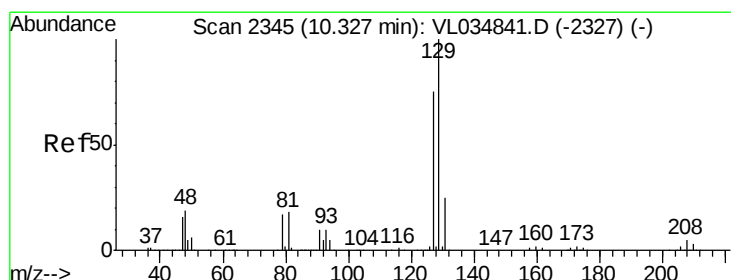
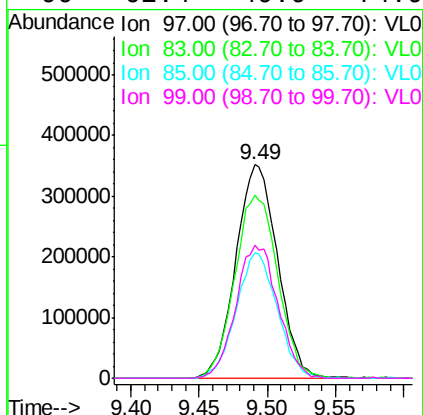
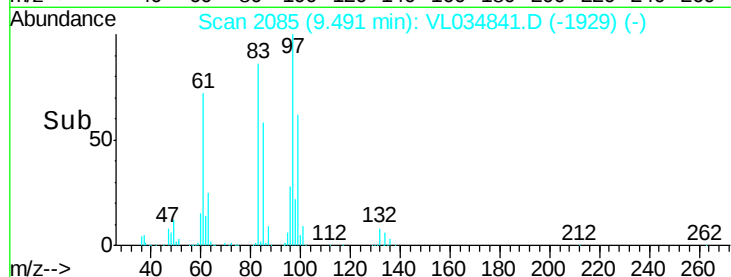
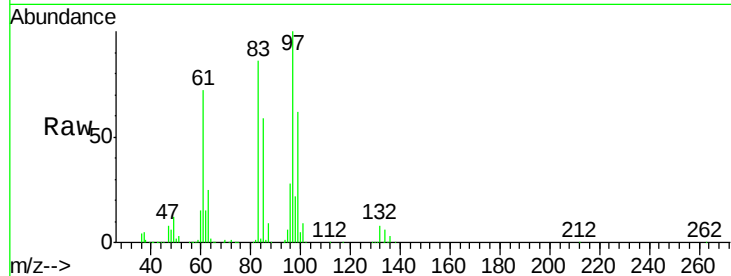
#47
 1,1,2-Trichloroethane
 Concen: 9.245 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.7	68.6	102.8	
85	58.6	46.9	70.3	
99	62.4	49.9	74.9	

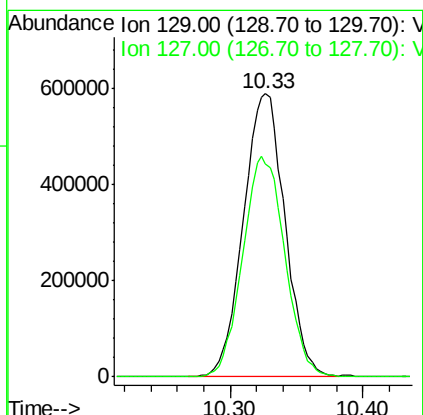
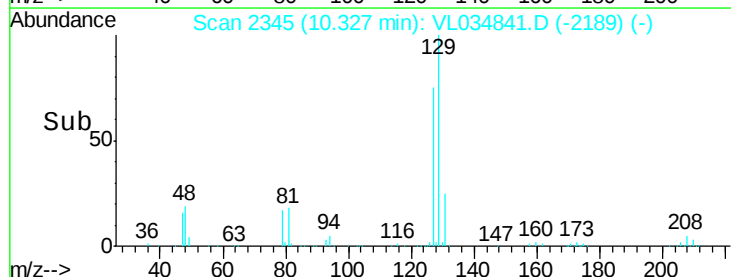
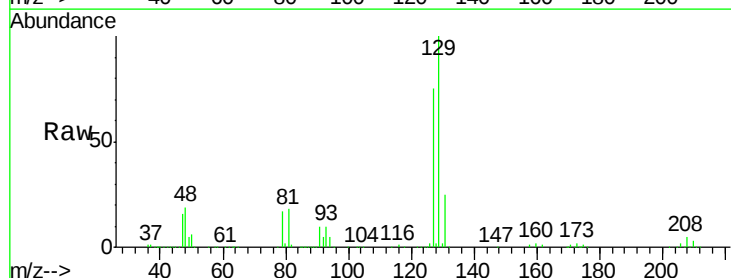
Manual Integrations
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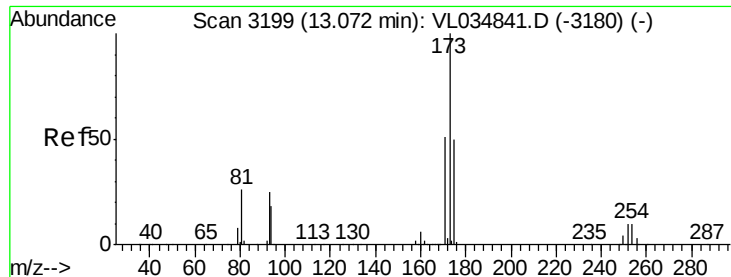
MMDadoda
 3/11/2020 3:25:55 PM



#48
 Dibromochloromethane
 Concen: 10.195 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.2	39.6	118.7	





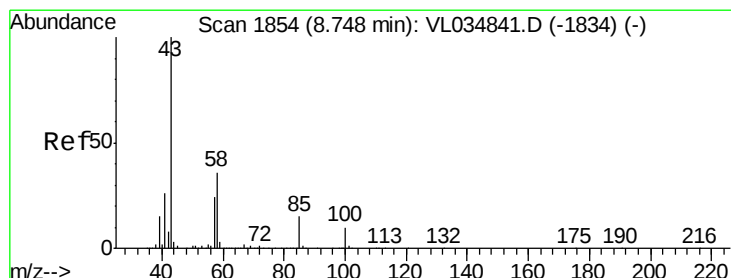
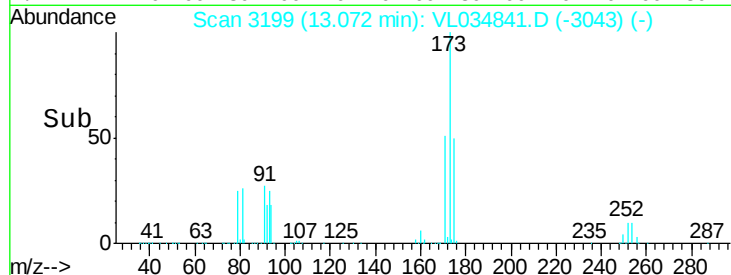
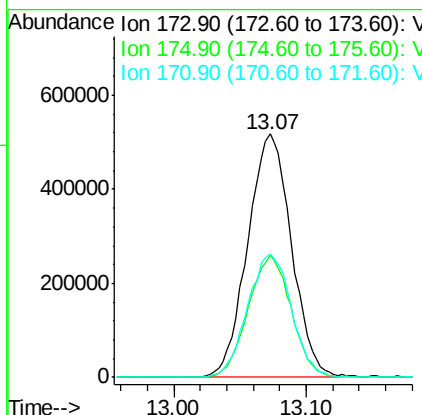
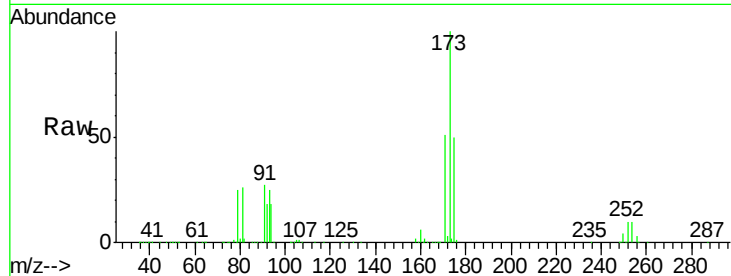
#49
Bromoform
Concen: 10.835 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1188493
Ion Ratio Lower Upper
173 100
175 49.5 39.6 59.4
171 51.3 41.0 61.6

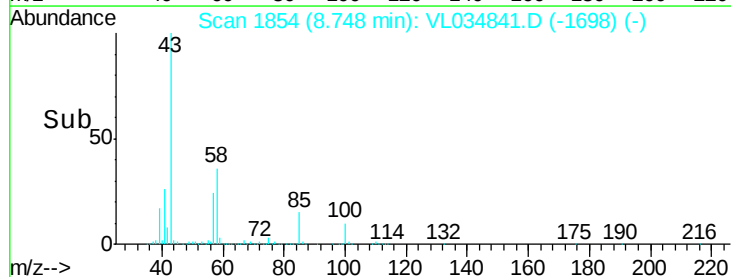
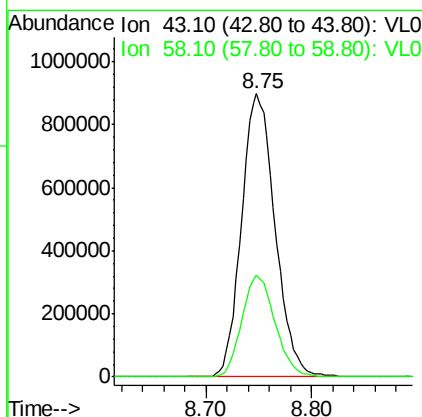
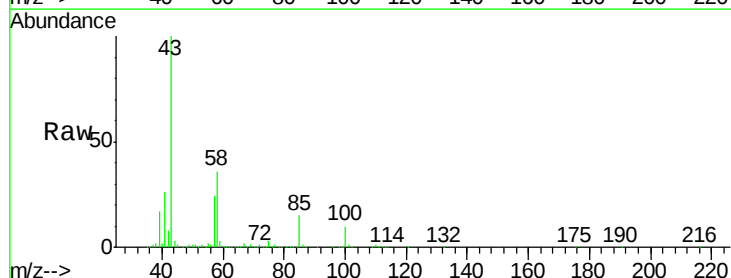
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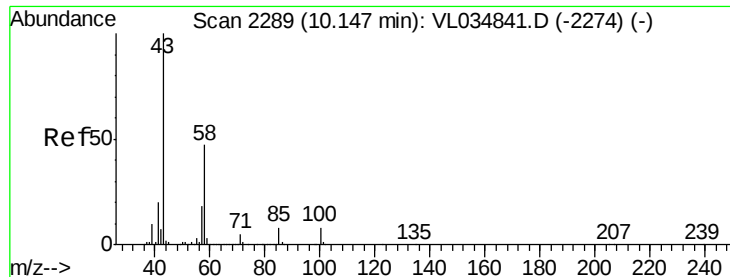
MMDadoda
3/11/2020 3:25:55 PM



#50
4-Methyl-2-Pentanone
Concen: 9.620 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 43 Resp: 1980080
Ion Ratio Lower Upper
43 100
58 35.7 28.6 42.8





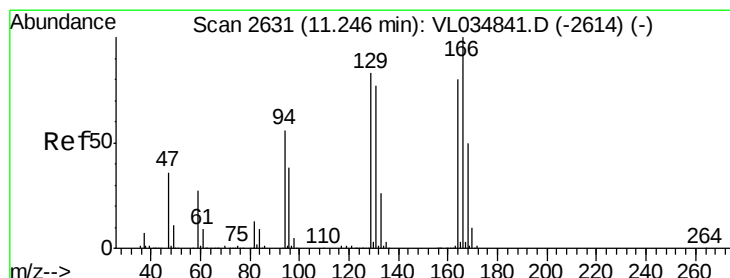
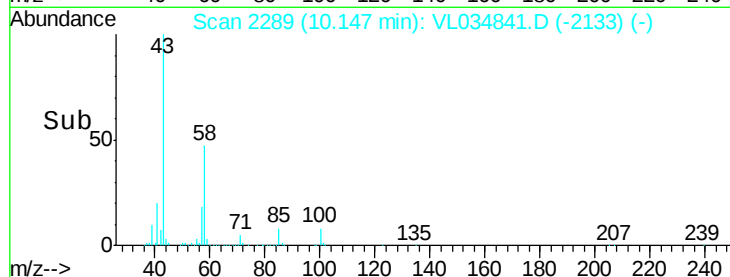
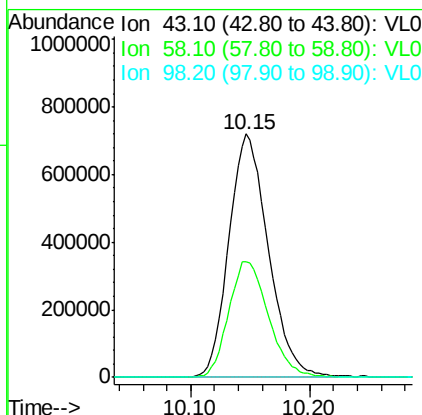
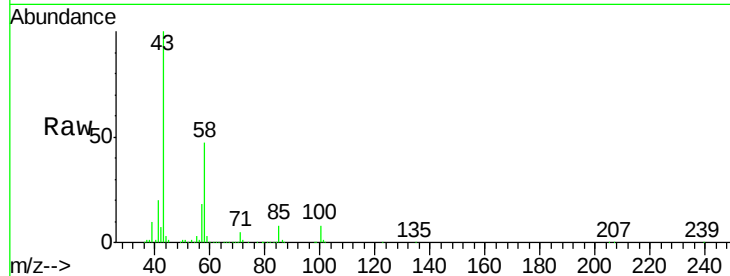
#51
2-Hexanone
Concen: 10.239 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1653162
Ion Ratio Lower Upper
43 100
58 48.3 38.6 58.0
98 0.1 0.1 0.1

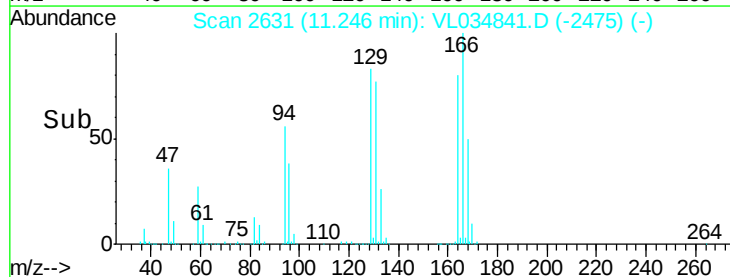
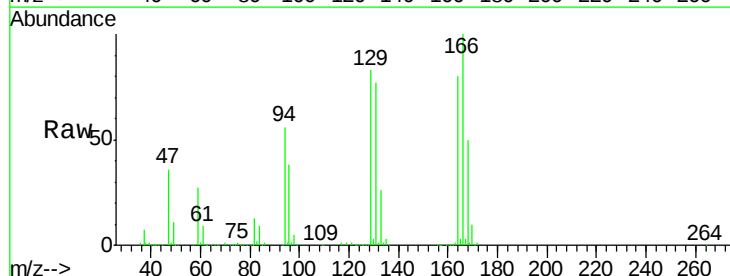
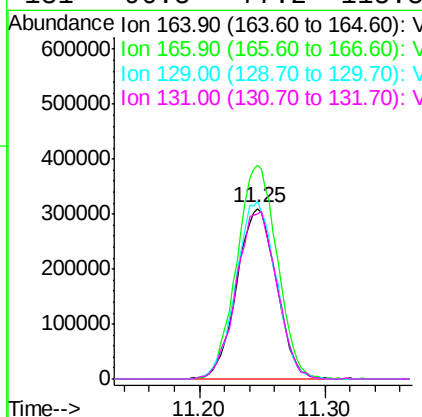
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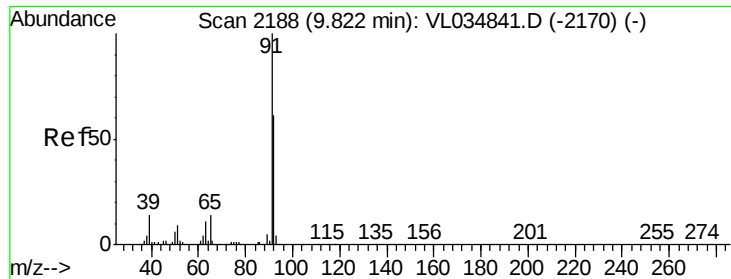
MMDadoda
3/11/2020 3:25:55 PM



#52
Tetrachloroethene
Concen: 9.802 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 164 Resp: 683276
Ion Ratio Lower Upper
164 100
166 125.0 100.0 150.0
129 103.9 83.1 124.7
131 96.5 77.2 115.8





#53

Toluene

Concen: 10.634 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2123425

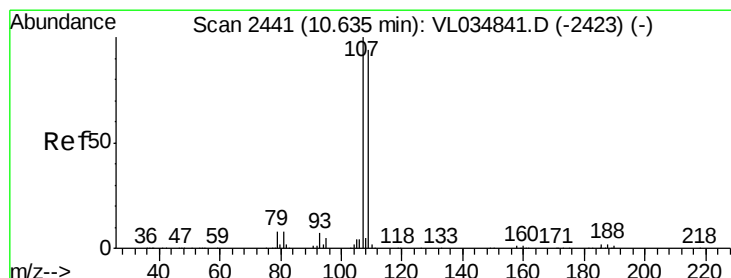
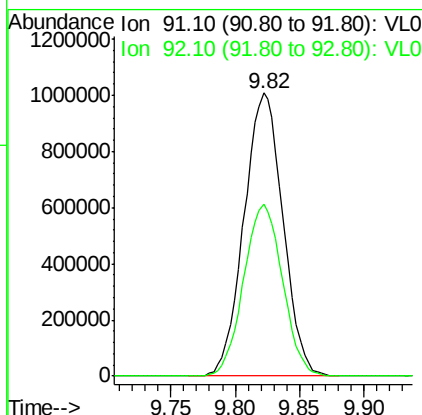
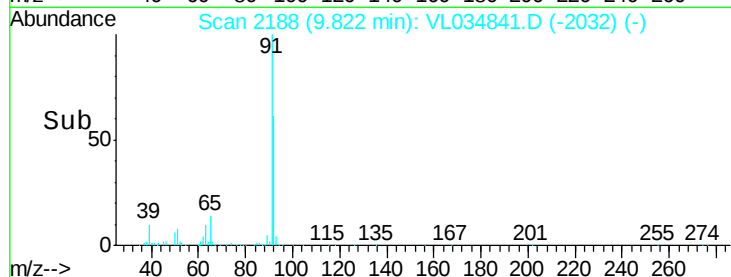
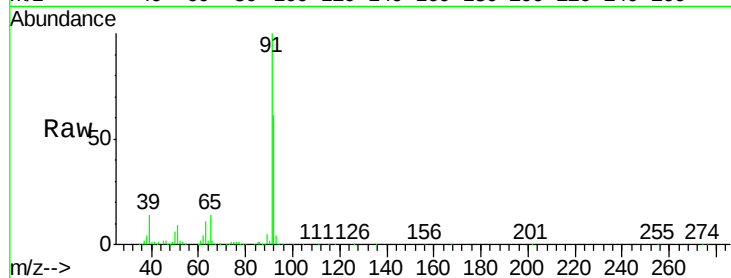
Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.606 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL034841.D

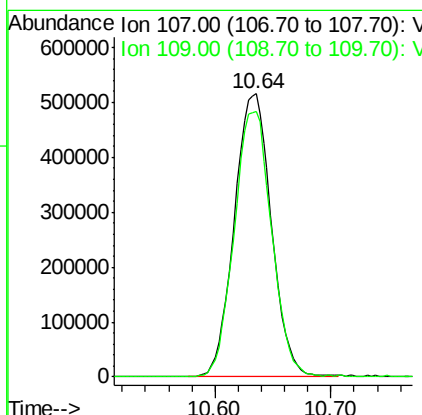
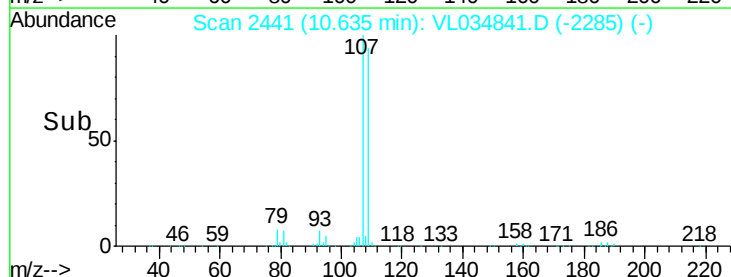
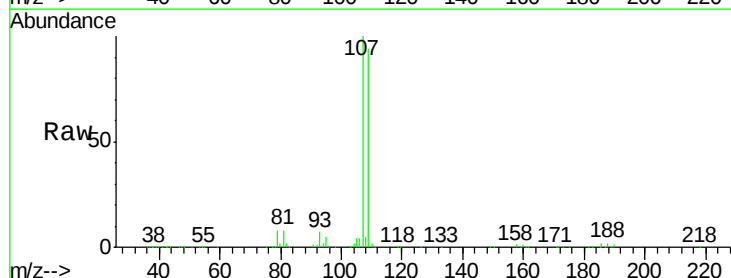
Acq: 9 Mar 2020 11:29

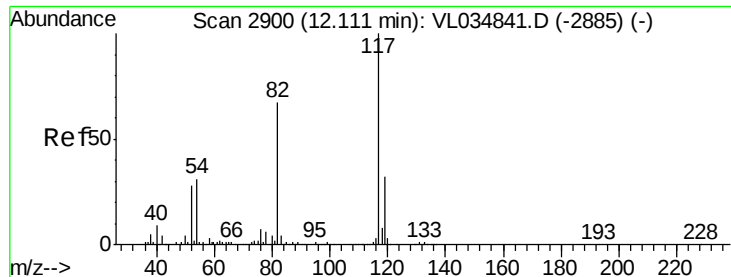
Tgt Ion: 107 Resp: 1141798

Ion Ratio Lower Upper

107 100

109 93.6 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2321128

Ion Ratio Lower Upper

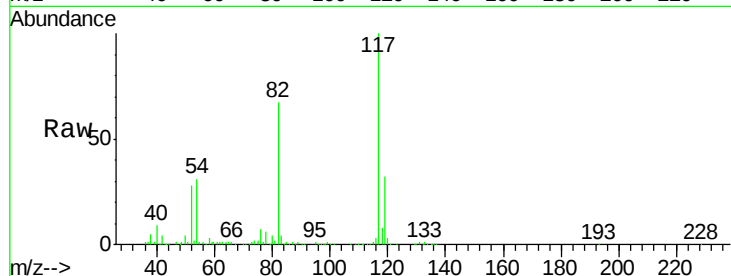
117 100

82 64.0 51.1 76.7

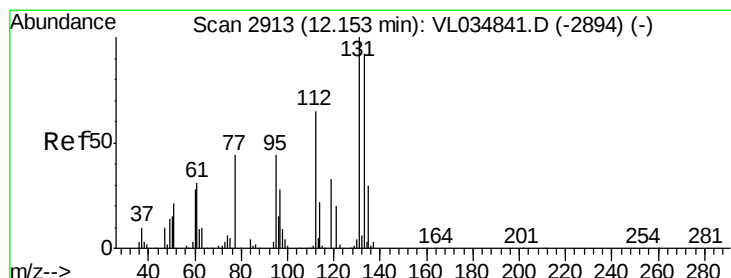
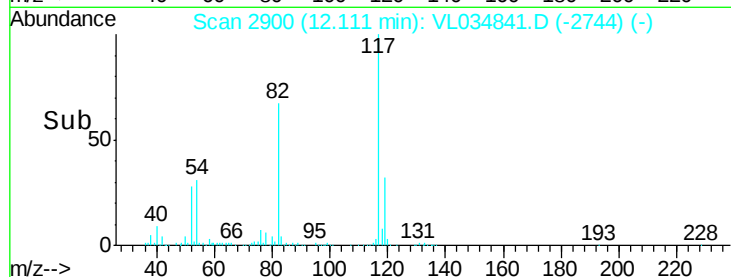
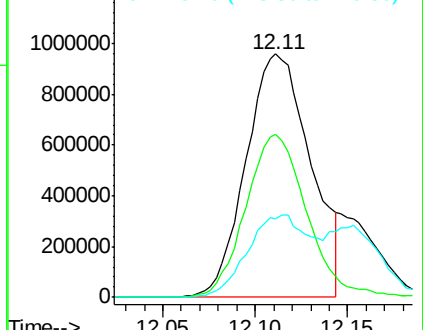
119 32.2 27.3 40.9

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



#56

1,1,1,2-Tetrachloroethane

Concen: 9.422 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

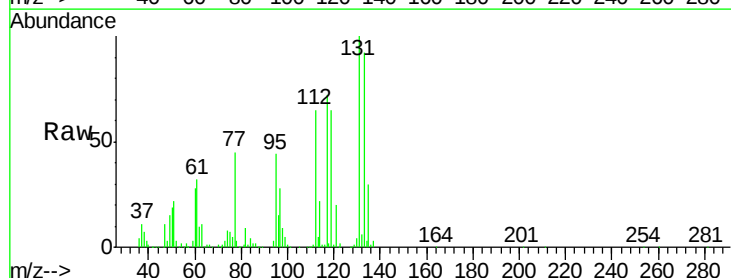
Tgt Ion:131 Resp: 969004

Ion Ratio Lower Upper

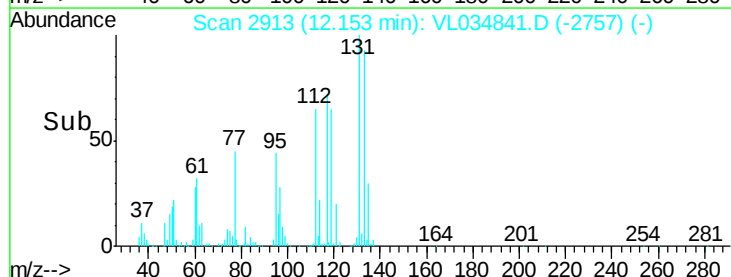
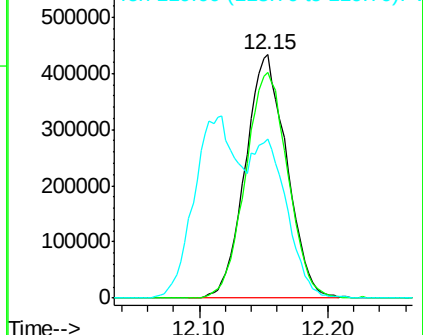
131 100

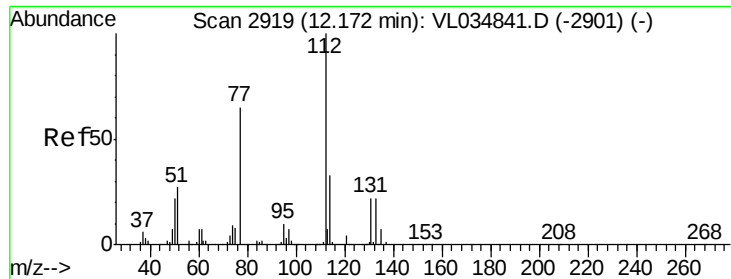
133 94.9 76.0 114.0

119 55.7 47.8 71.8



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





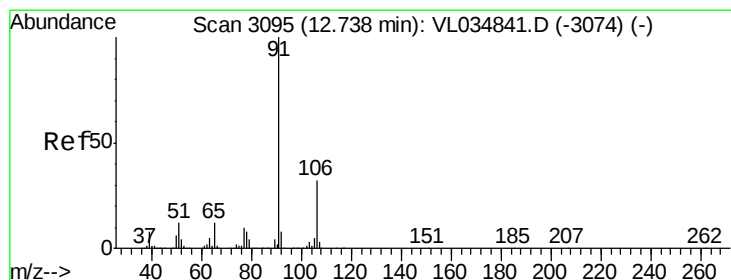
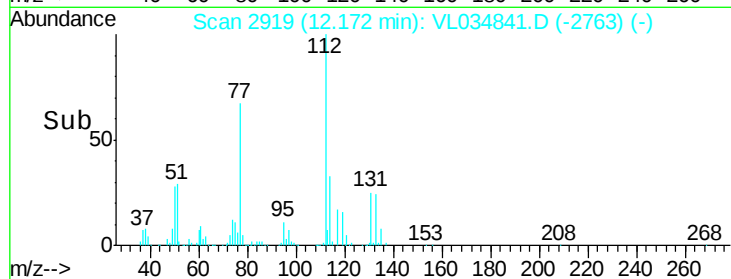
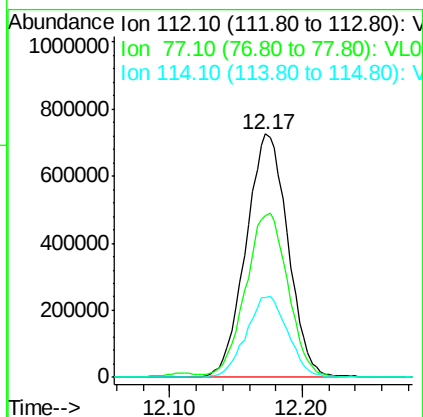
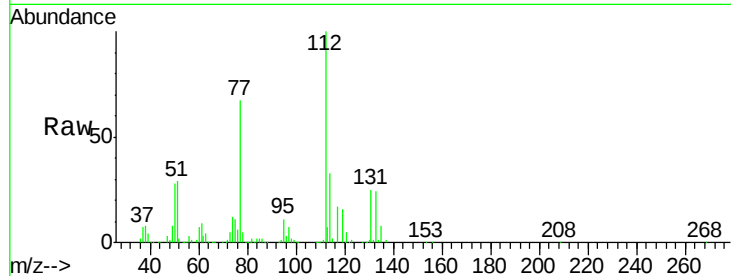
#57
Chlorobenzene
Concen: 8.997 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.3	53.0	79.6
114	32.8	29.5	36.1

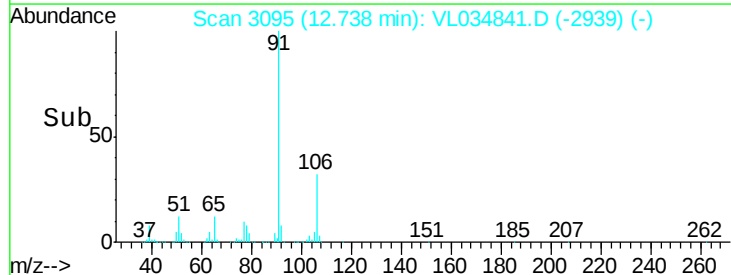
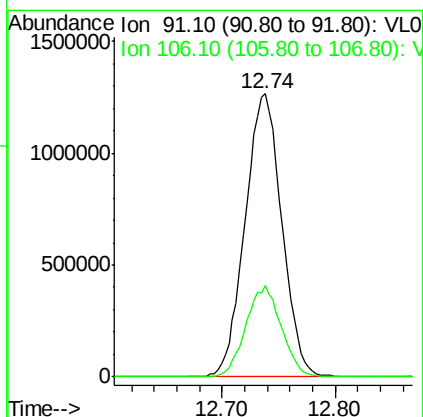
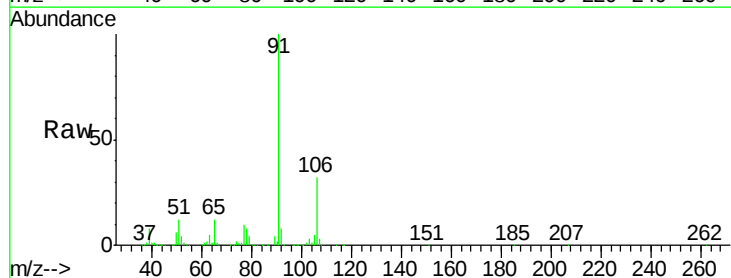
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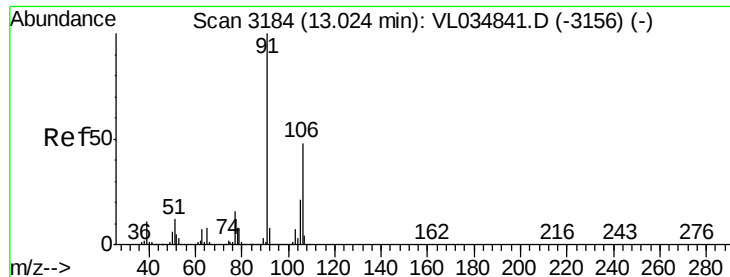
MMDadoda
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#58
Ethyl Benzene
Concen: 9.984 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.8	38.6





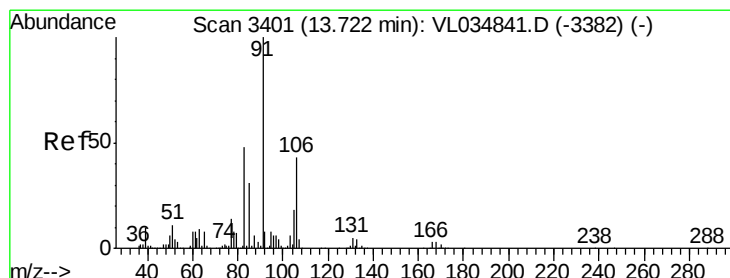
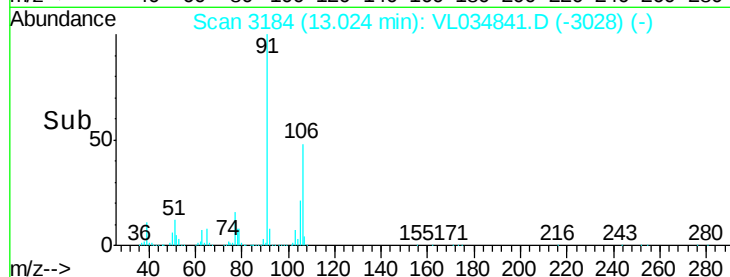
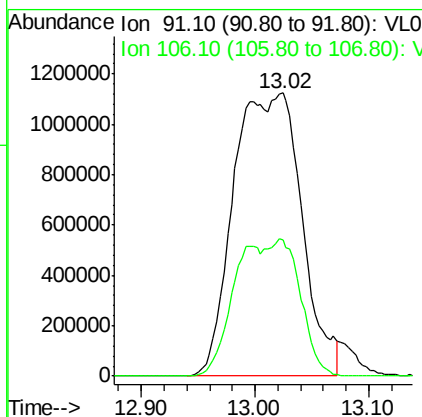
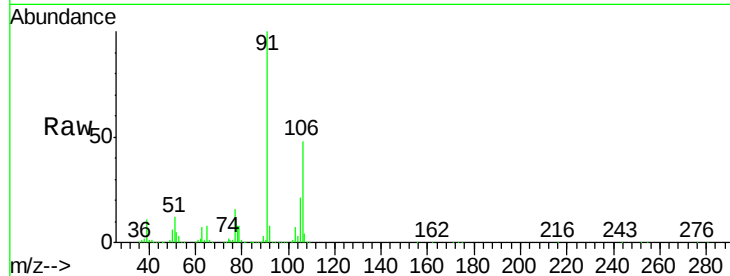
#59
m/p-Xylene
Concen: 18.859 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 4669652
Ion Ratio Lower Upper
91 100
106 46.0 37.1 55.7

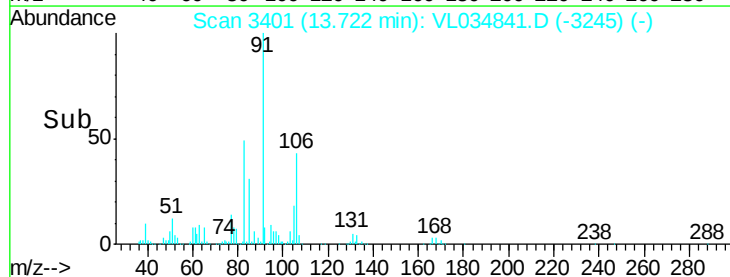
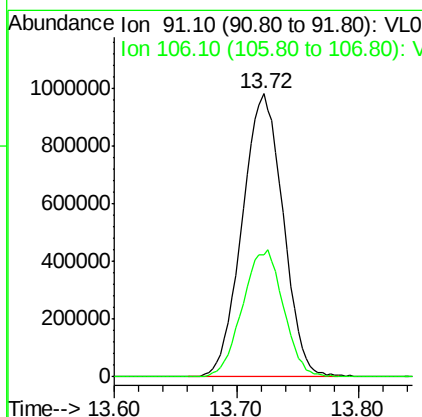
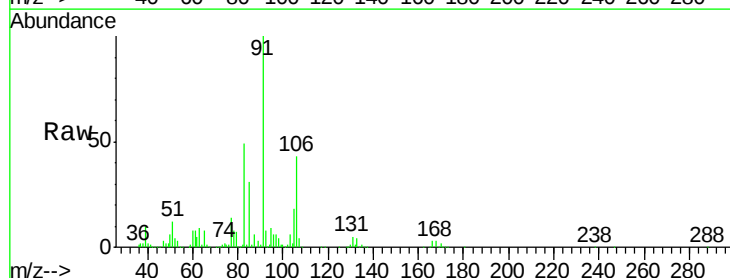
Manual Integrations
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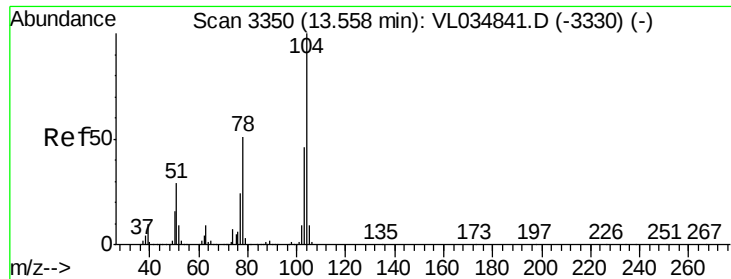
MMDadoda
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#60
o-Xylene
Concen: 9.088 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion: 91 Resp: 2276835
Ion Ratio Lower Upper
91 100
106 45.0 22.5 67.5





#61

Stvrene

Concen: 11.139 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 1731178

Ion Ratio Lower Upper

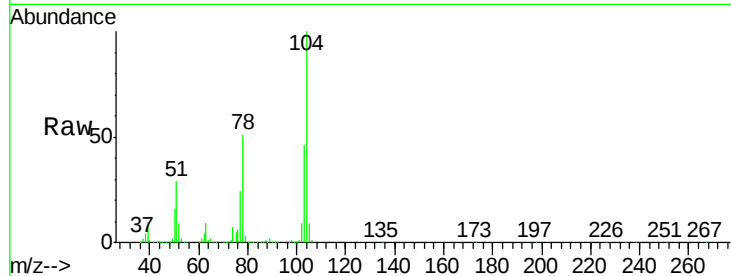
104 100

78 52.3 41.8 62.6

103 47.2 37.8 56.6

Manual Integrations
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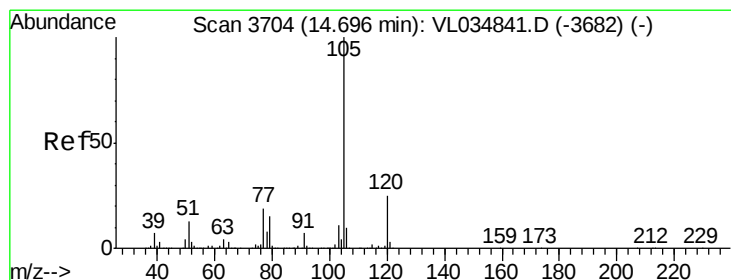
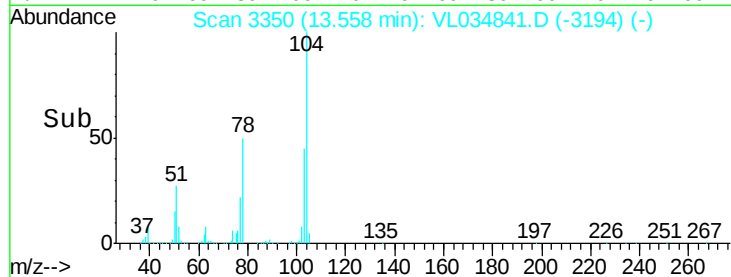
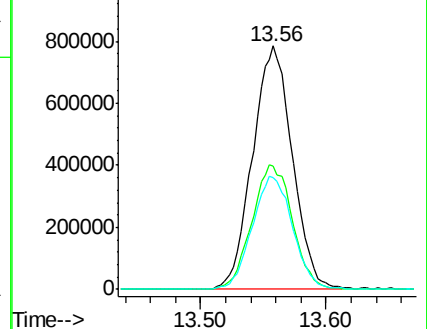
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.343 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034841.D

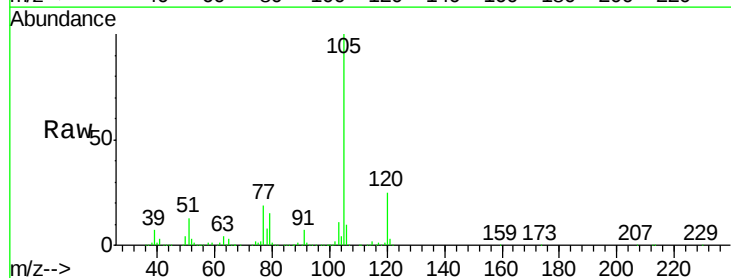
Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 3445036

Ion Ratio Lower Upper

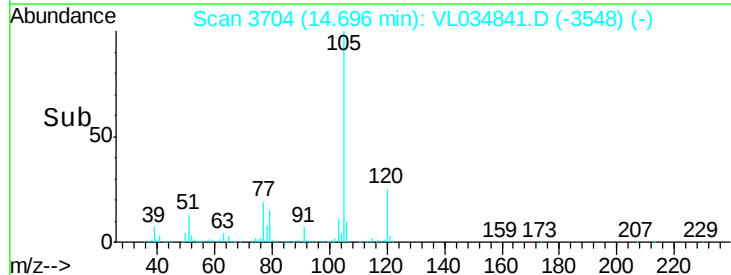
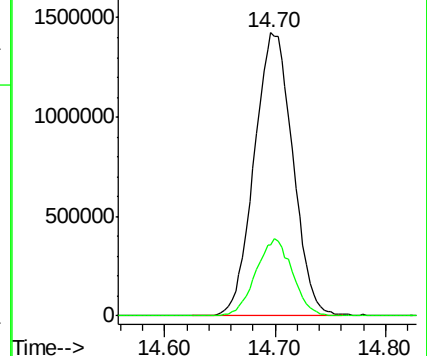
105 100

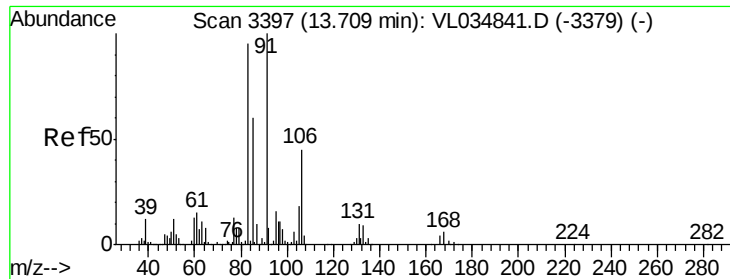
120 26.2 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





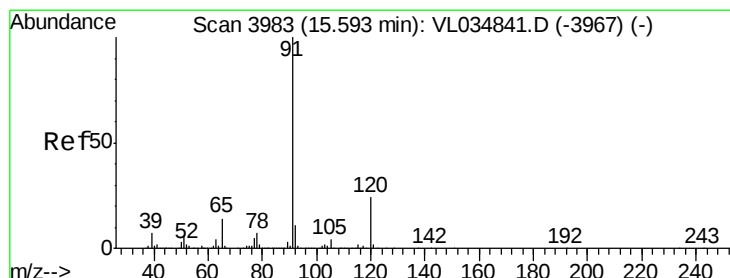
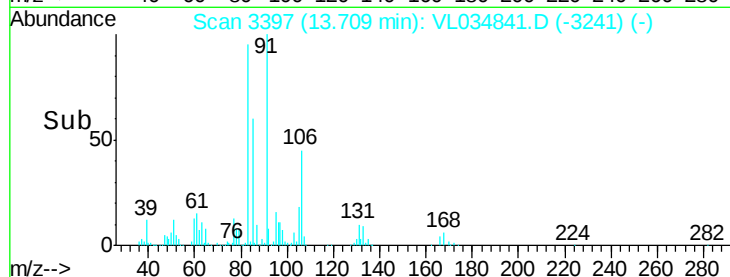
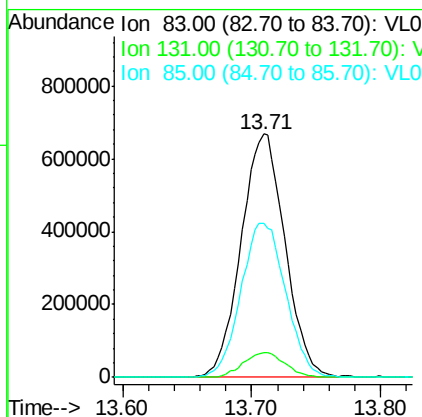
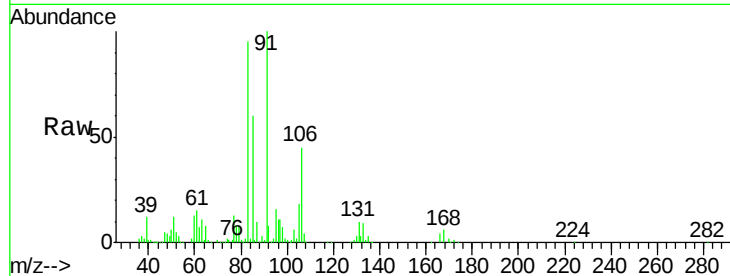
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.005 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 83 Resp: 1580840
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 64.9 32.4 97.2

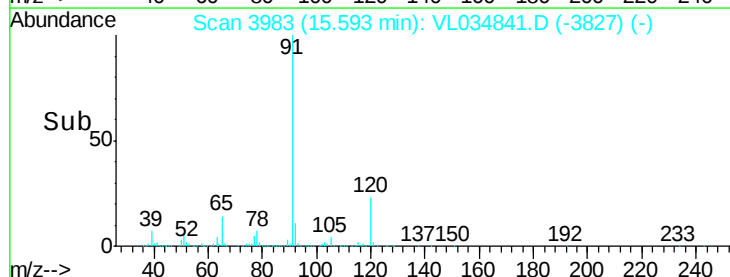
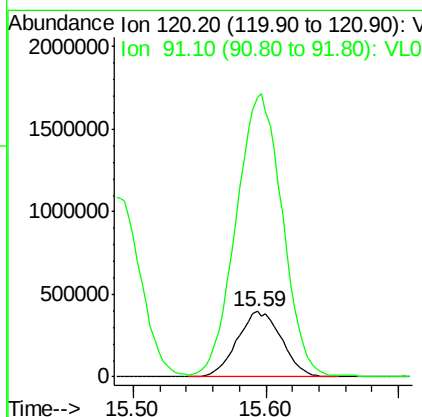
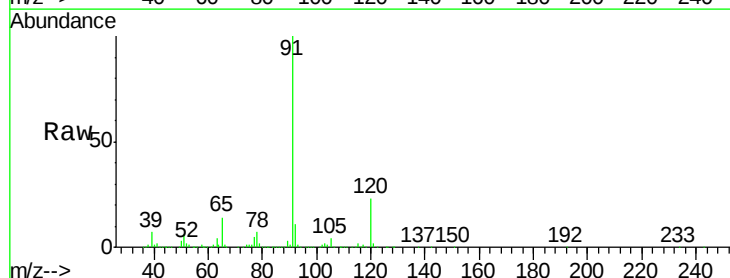
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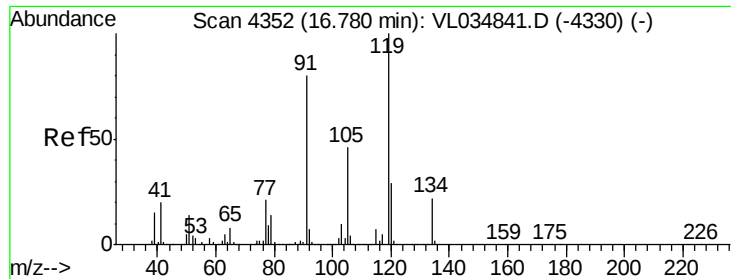
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#64
 n-propylbenzene
 Concen: 10.022 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 120 Resp: 926573
 Ion Ratio Lower Upper
 120 100
 91 450.6 360.9 541.3





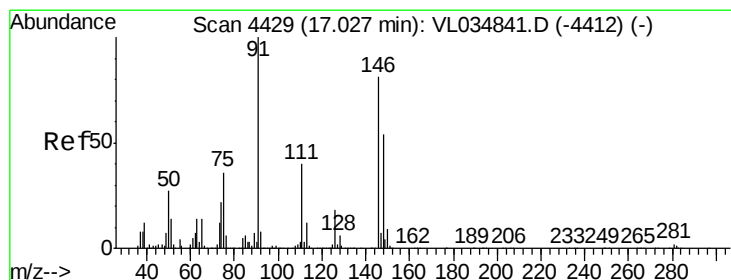
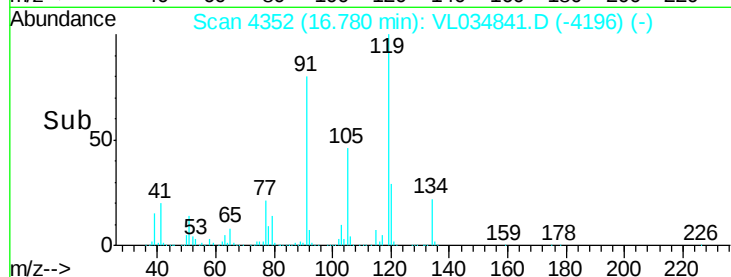
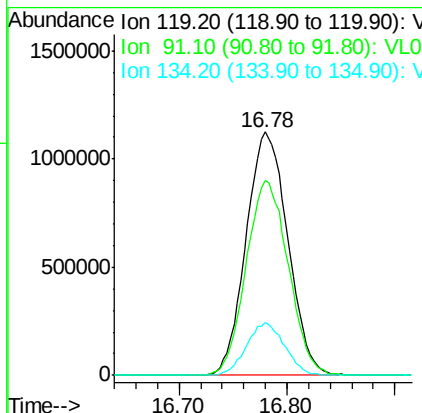
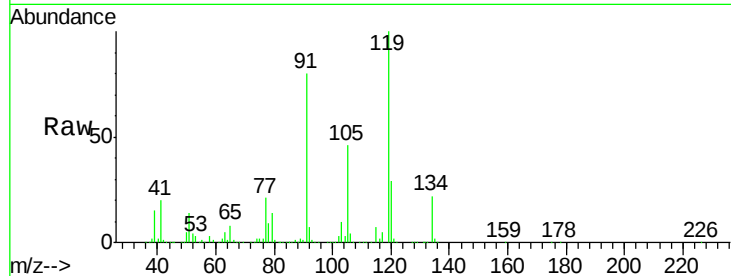
#65
tert-Butylbenzene
Concen: 9.689 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	81.2	64.9	97.3
134	19.9	15.9	23.9

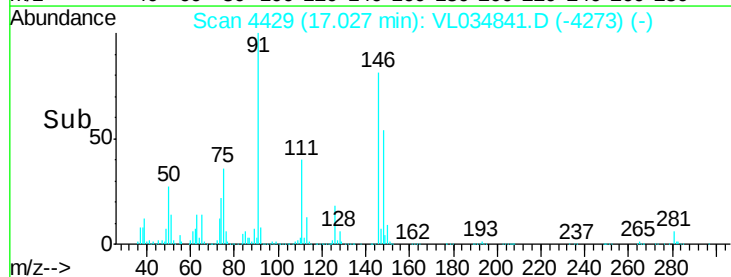
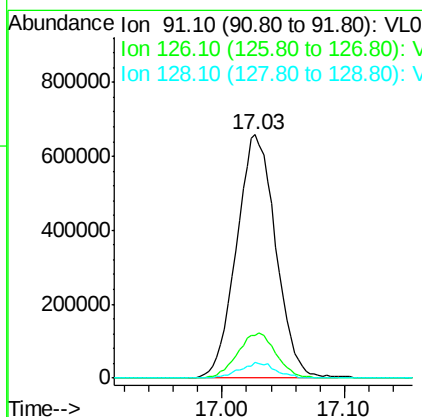
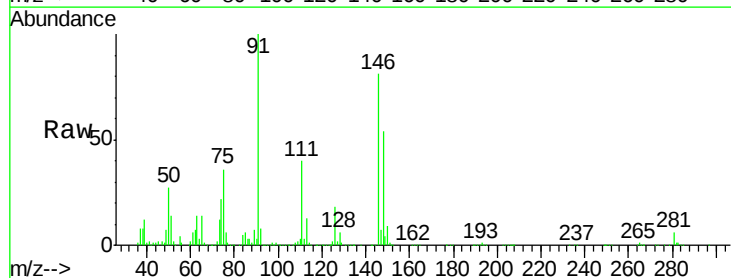
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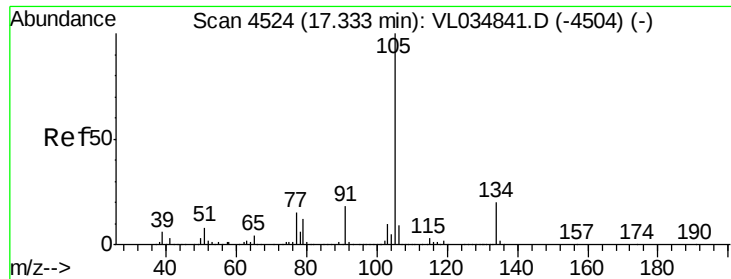
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#66
Benzyl Chloride
Concen: 14.489 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL034841.D
Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.7	22.1
128	5.9	4.7	7.1





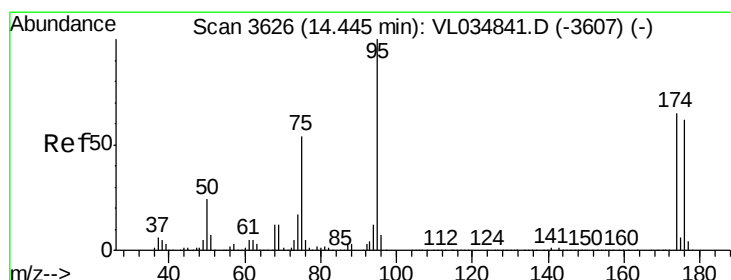
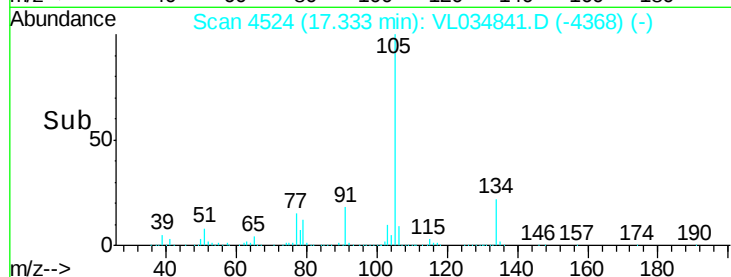
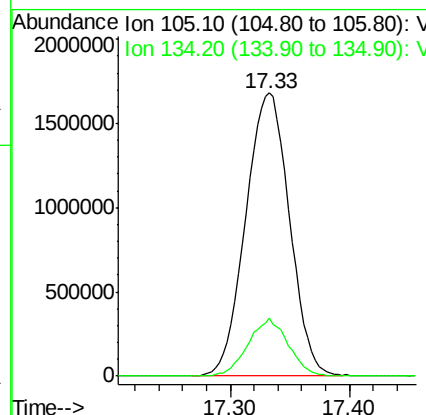
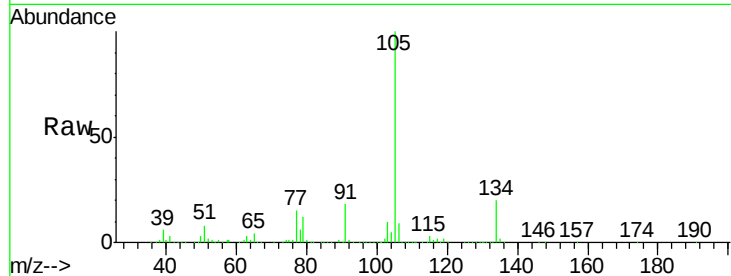
#67
 sec-Butylbenzene
 Concen: 9.419 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4276822
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.0 22.6

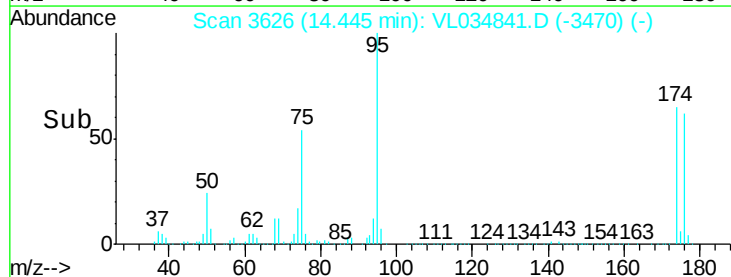
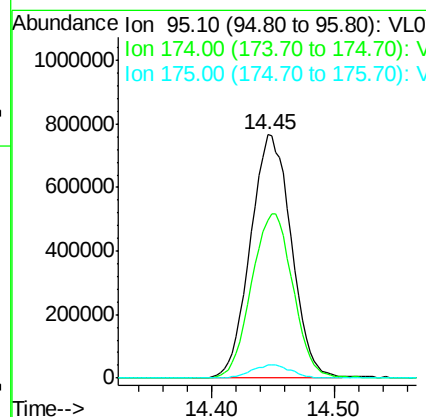
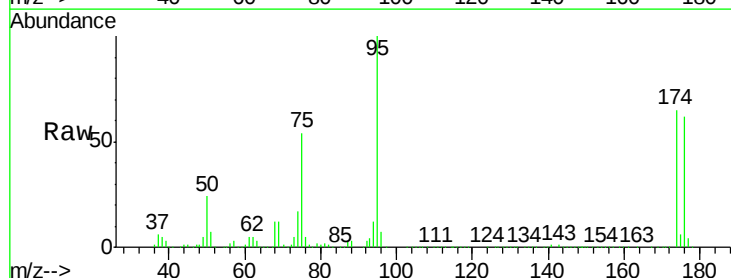
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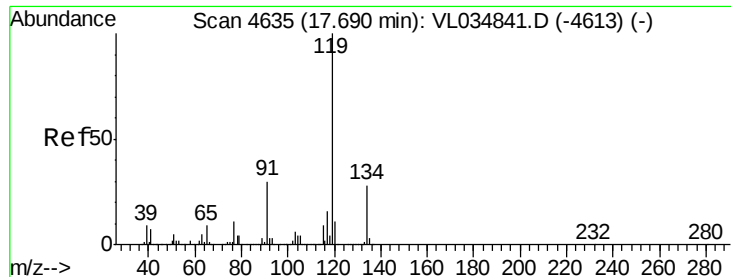
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.160 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion: 95 Resp: 1772884
 Ion Ratio Lower Upper
 95 100
 174 69.0 55.2 82.8
 175 5.4 4.3 6.5





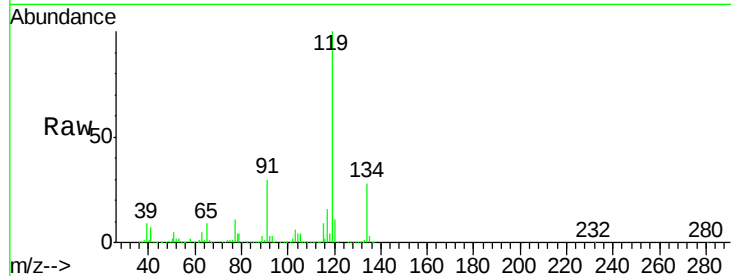
#69
 p-Isopropyltoluene
 Concen: 9.908 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

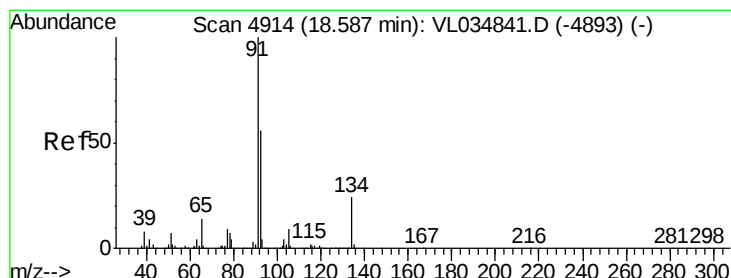
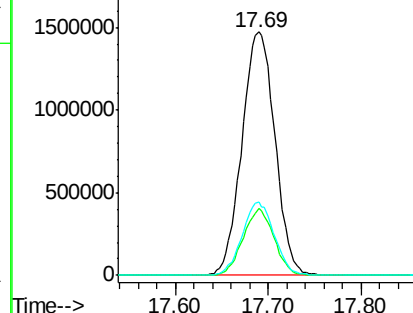
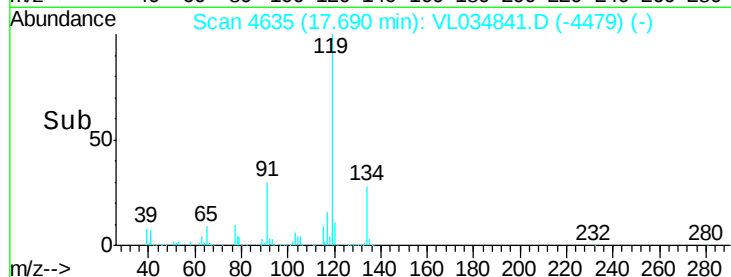
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	29.3	23.4	35.2

Manual Integrations
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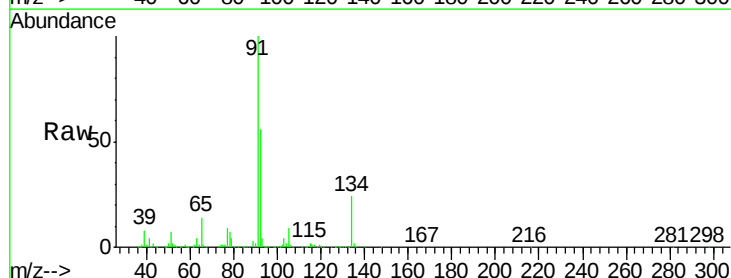


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

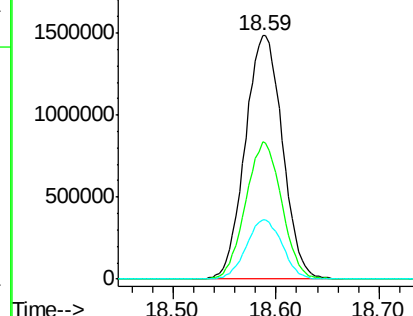
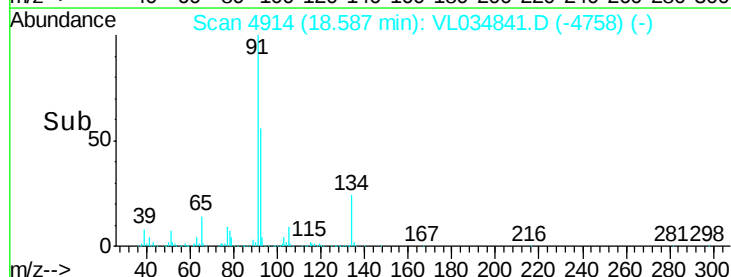


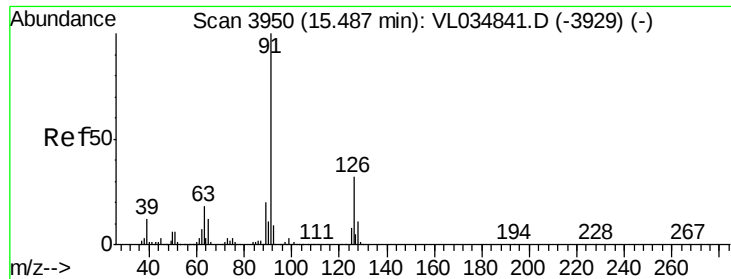
#70
 n-Butylbenzene
 Concen: 9.251 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	23.7	19.0	28.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.475 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2638637

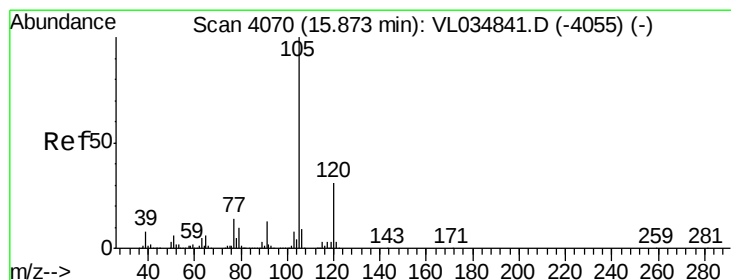
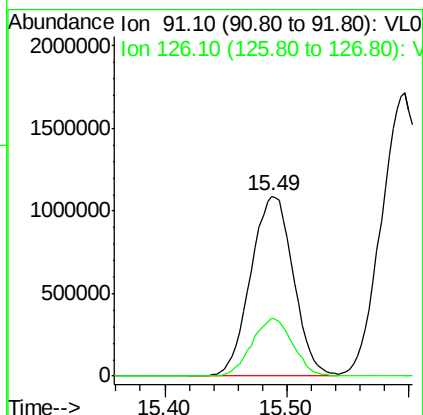
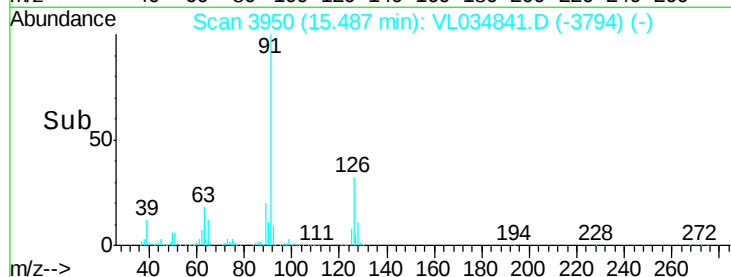
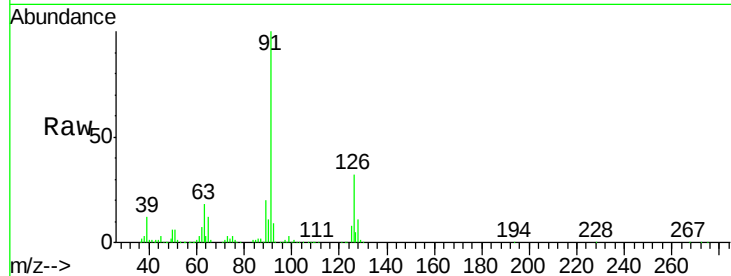
Ion Ratio Lower Upper

91 100

126 30.8 12.3 49.1

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#72

4-Ethyltoluene

Concen: 10.010 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion: 105 Resp: 2792249

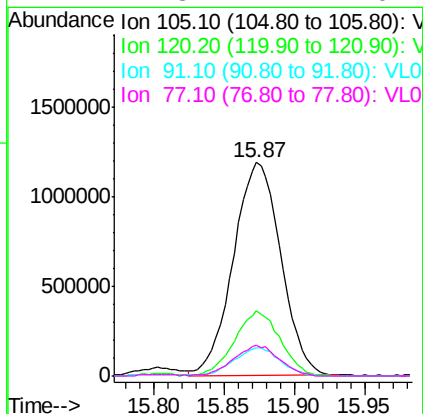
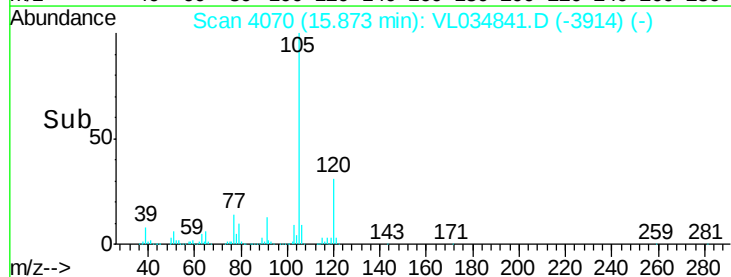
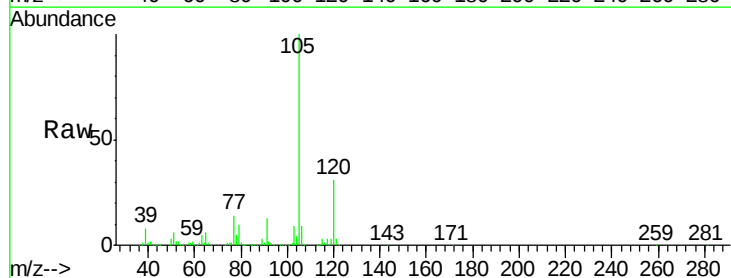
Ion Ratio Lower Upper

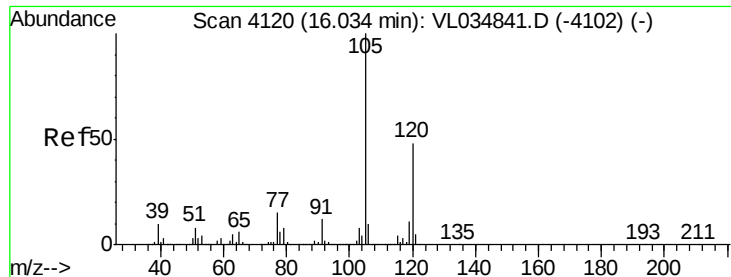
105 100

120 29.6 23.7 35.5

91 12.8 10.5 15.7

77 14.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.776 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 2615781

Ion Ratio Lower Upper

105 100

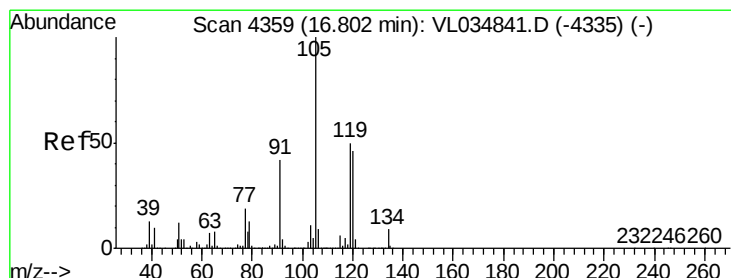
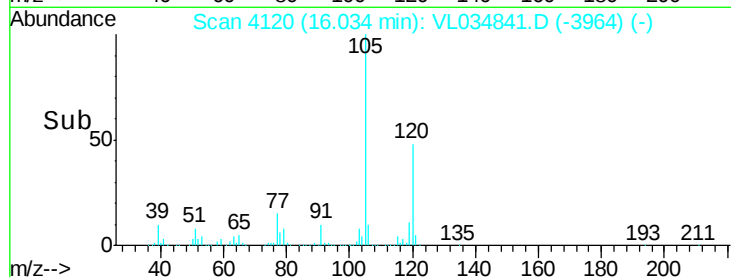
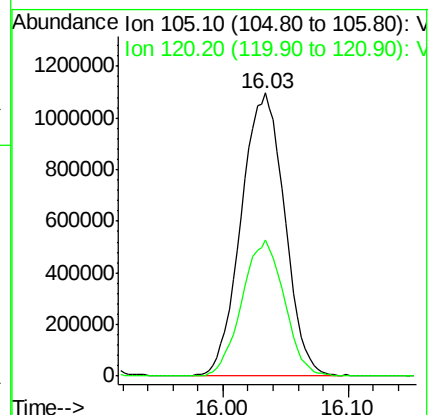
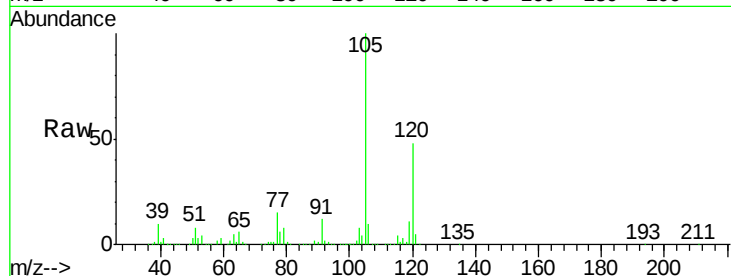
120 48.3 38.6 58.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.220 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Tgt Ion:105 Resp: 2681904

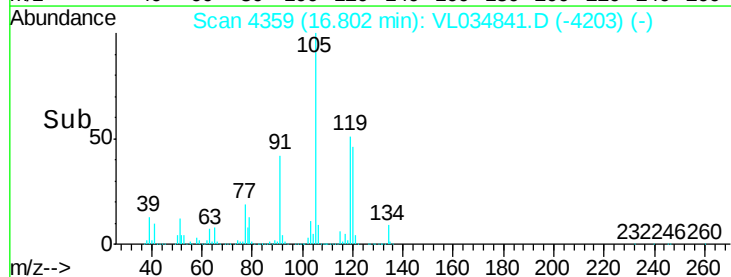
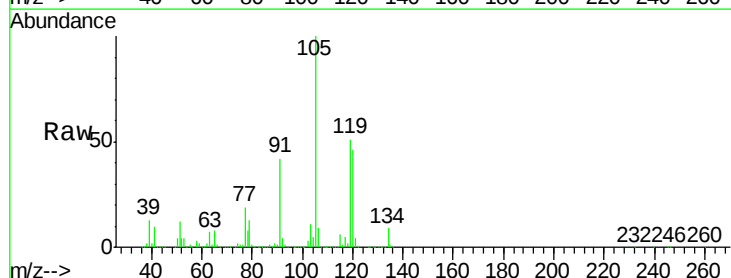
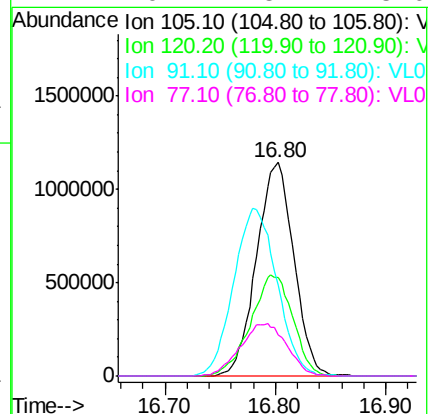
Ion Ratio Lower Upper

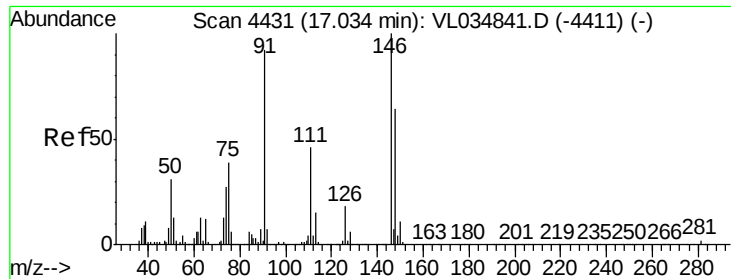
105 100

120 46.2 37.0 55.4

91 42.2 33.8 50.6

77 19.2 15.4 23.0





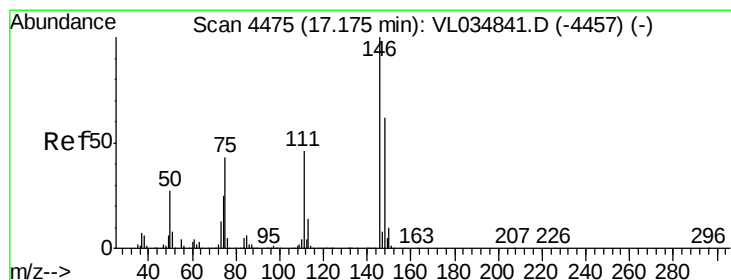
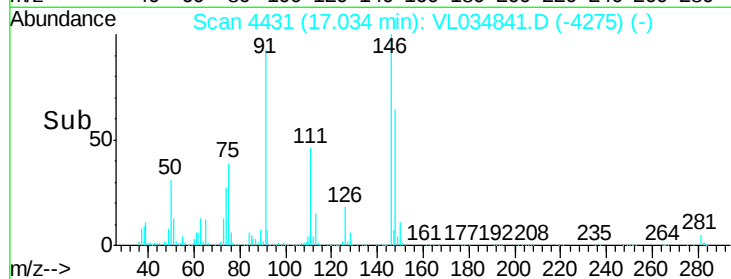
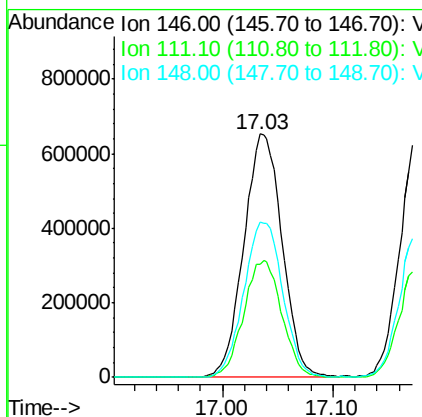
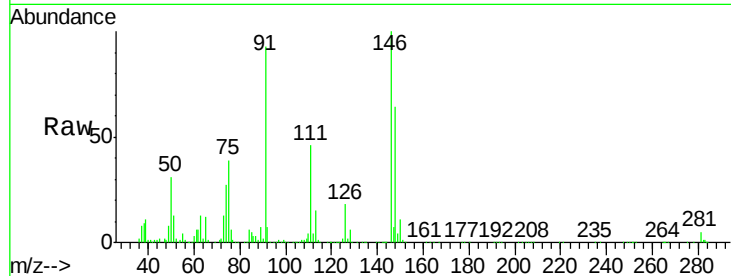
#75
 1,3-Dichlorobenzene
 Concen: 9.122 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1570753
 Ion Ratio Lower Upper
 146 100
 111 47.9 23.9 71.7
 148 65.0 32.5 97.5

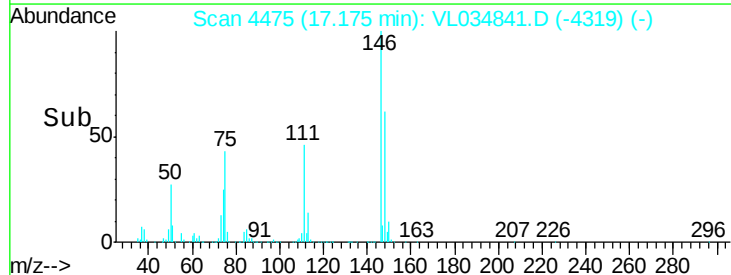
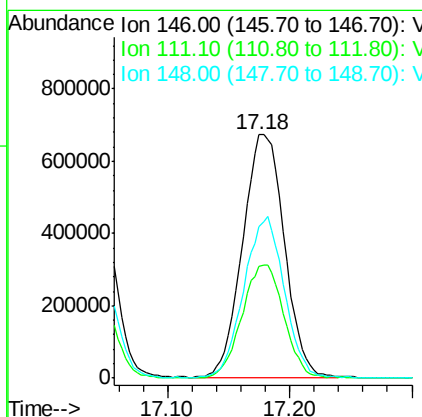
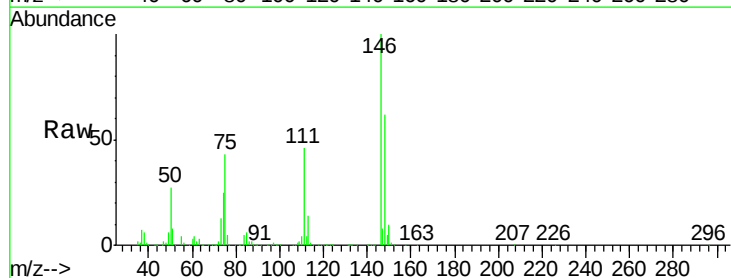
Manual Integrations
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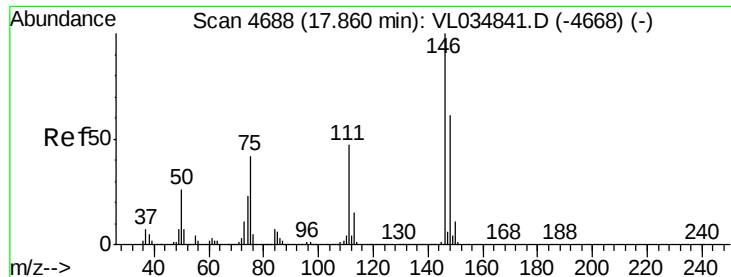
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#76
 1,4-Dichlorobenzene
 Concen: 9.663 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion:146 Resp: 1592165
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.2
 148 64.4 32.3 96.9





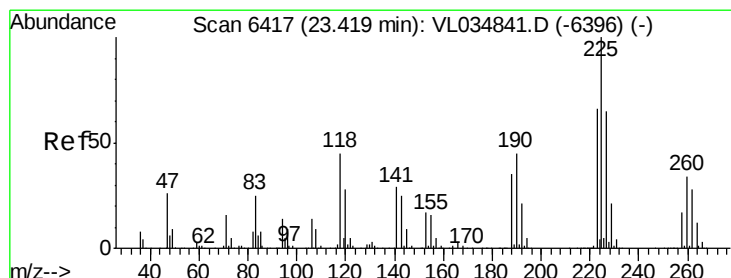
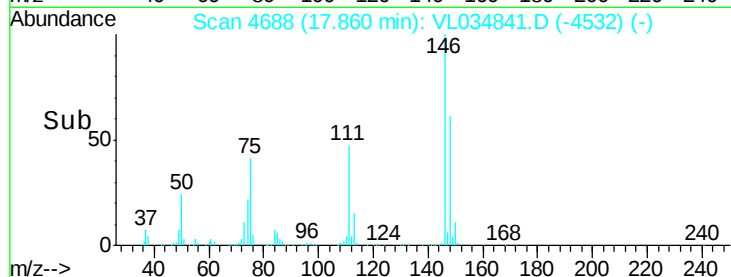
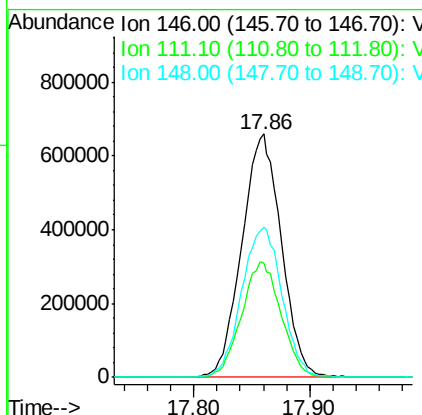
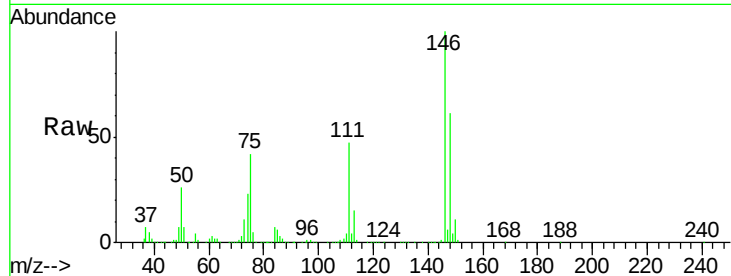
#77
 1,2-Dichlorobenzene
 Concen: 9.474 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1560508
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.8 71.4
 148 63.2 31.6 94.8

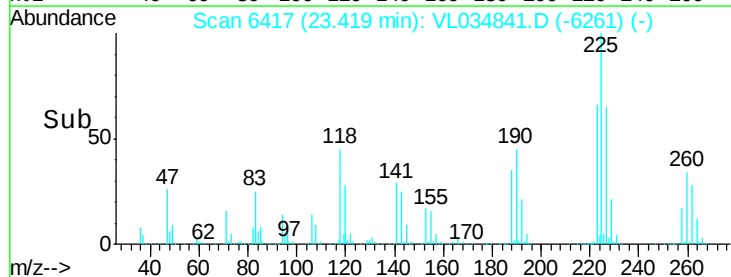
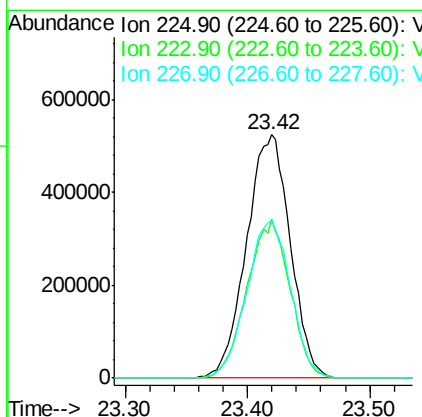
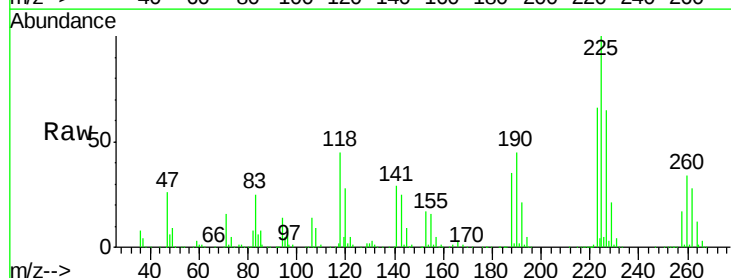
Manual Integrations
 APPROVED

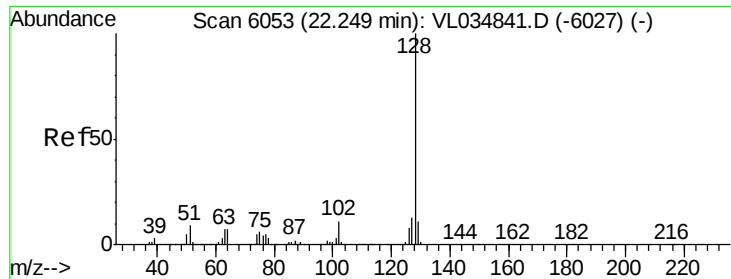
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.476 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Tgt Ion:225 Resp: 1302523
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.1 76.7
 227 64.7 51.8 77.6





#79

Naphthalene

Concen: 12.377 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 2705466

Ion Ratio Lower Upper

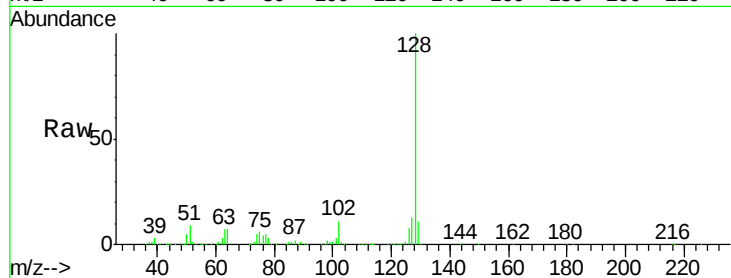
128 100

127 12.7 10.2 15.2

129 10.8 8.6 13.0

Manual Integrations
APPROVED

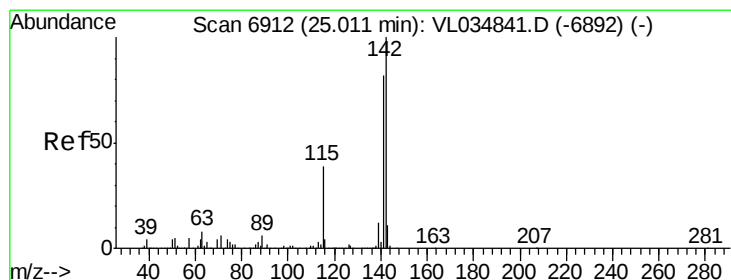
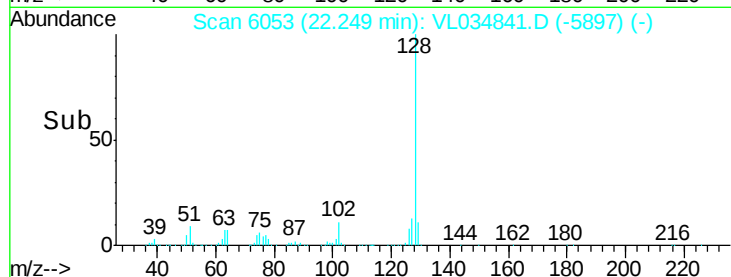
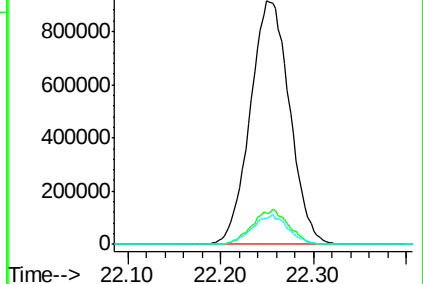
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 23.068 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL034841.D

Acq: 9 Mar 2020 11:29

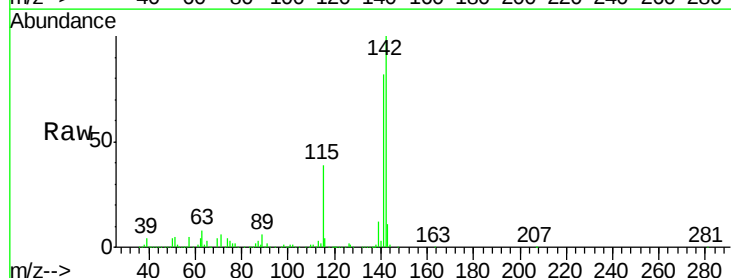
Tgt Ion:142 Resp: 1204283

Ion Ratio Lower Upper

142 100

141 85.5 68.9 103.3

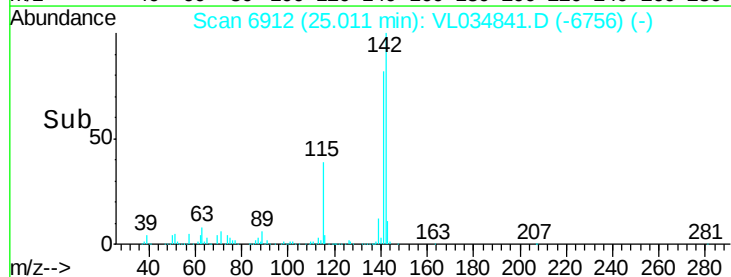
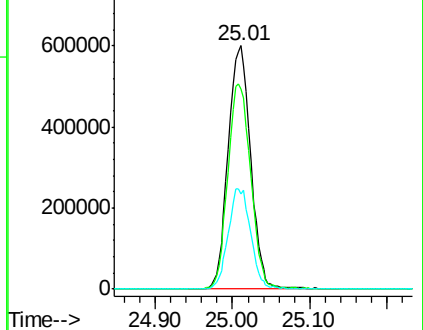
115 41.3 33.2 49.8

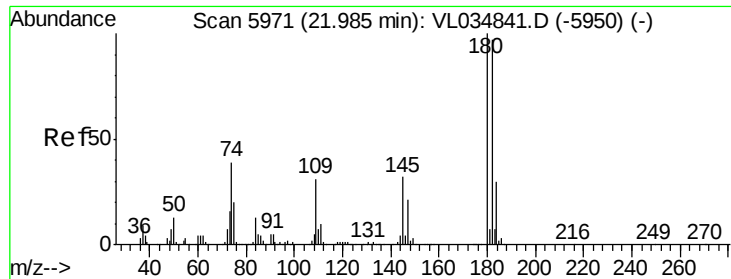


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.324 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL034841.D
 Acq: 9 Mar 2020 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	31.3	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:25:55 PM

