

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031020\
 Data File : VL034865.D
 Acq On : 10 Mar 2020 13:42
 Operator : SY/AP
 Sample : VL0310ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:17:15 PM

Quant Time: Mar 11 06:37:08 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 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	888820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2003603	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2068275	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1638927	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1421735	11.681 ppbv	100
3) Chlorodifluoromethane	2.95	51	929843	9.365 ppbv	99
4) Chloromethane	3.10	50	556402	9.915 ppbv	100
5) Vinyl Chloride	3.22	62	520272	9.644 ppbv	96
6) Bromomethane	3.44	94	313927	9.996 ppbv	98
7) Chloroethane	3.52	64	189114	9.707 ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1154107	9.130 ppbv	98
9) Propene	2.97	41	434449	9.165 ppbv	100
10) Heptane	8.13	43	1137169	9.747 ppbv	100
11) Trichlorofluoromethane	3.92	101	1185183	9.153 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	849621	9.375 ppbv	97
13) Ethanol	3.57	45	107948m	7.490 ppbv	
14) Bromoethene	3.71	108	370368	9.463 ppbv	99
15) Acetone	3.82	43	1079536	9.371 ppbv	99
16) 1,3-Butadiene	3.29	39	489023	9.387 ppbv	99
17) tert-Butyl alcohol	4.27	59	869211	7.832 ppbv	100
18) 1,1-Dichloroethene	4.26	96	386976	9.642 ppbv	99
19) Isopropyl Alcohol	3.94	45	573922	7.889 ppbv	# 40
20) Methylene Chloride	4.32	84	336929	9.251 ppbv	98
21) Allyl Chloride	4.39	41	699790	9.458 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	386857	9.501 ppbv	99
23) Vinyl Acetate	5.06	43	1684422	9.898 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1066551	9.349 ppbv	99
25) Ethyl Acetate	5.67	43	1909106	9.302 ppbv	100
26) Hexane	5.68	57	829904	9.390 ppbv	99
27) Carbon Disulfide	4.53	76	960621	9.579 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1355567	9.219 ppbv	100
29) Chloroform	5.75	83	1264689	9.379 ppbv	97
30) Cyclohexane	7.14	84	714956	9.696 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	860398	9.520 ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	1264946	9.627 ppbv	99
34) 2-Butanone	5.23	43	1276459	9.587 ppbv	99
35) Carbon Tetrachloride	7.02	117	1281163	10.281 ppbv	99
36) Benzene	6.90	78	1677329	9.392 ppbv	99
37) 1,2-Dichloroethane	6.31	62	998978	9.920 ppbv	99
38) Trichloroethene	7.85	130	639462	9.428 ppbv	96
39) 1,2-Dichloropropane	7.62	63	669059	9.456 ppbv	97
40) 1,4-Dioxane	7.84	88	235227m	8.803 ppbv	
41) Tetrahydrofuran	6.04	42	719087	9.981 ppbv	100
42) Bromodichloromethane	7.81	83	1350253	9.838 ppbv	99
43) Methyl Methacrylate	8.02	69	769467	10.227 ppbv	99

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Manual Integrations
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Quant Time: Mar 11 06:37:08 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 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	2937322	9.733	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	915803	10.360	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1069589	10.183	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	692649	9.539	ppbv	98
48) Dibromochloromethane	10.33	129	1129156	9.602	ppbv	99
49) Bromoform	13.08	173	974107	9.290	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1881623	9.817	ppbv	100
51) 2-Hexanone	10.15	43	1542236	9.901	ppbv #	99
52) Tetrachloroethene	11.25	164	607470	8.598	ppbv	96
53) Toluene	9.83	91	1966414	9.535	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1040055	9.515	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	859789	9.254	ppbv	99
57) Chlorobenzene	12.18	112	1455470	8.994	ppbv	96
58) Ethyl Benzene	12.74	91	2618282	9.348	ppbv	97
59) m/p-Xylene	13.03	91	4232371m	18.036	ppbv	
60) o-Xylene	13.73	91	2108627	9.203	ppbv	98
61) Styrene	13.56	104	1567398	9.748	ppbv	100
62) Isopropylbenzene	14.71	105	3118951	9.003	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1413617	9.088	ppbv	99
64) n-propylbenzene	15.60	120	810384	8.988	ppbv	94
65) tert-Butylbenzene	16.79	119	2703548	8.927	ppbv	99
66) Benzyl Chloride	17.03	91	1312304	10.392	ppbv	98
67) sec-Butylbenzene	17.34	105	3842473	9.150	ppbv	99
69) p-Isopropyltoluene	17.70	119	3236356	9.191	ppbv	100
70) n-Butylbenzene	18.59	91	3365966	9.369	ppbv	99
71) 2-Chlorotoluene	15.49	91	2376901	9.060	ppbv	99
72) 4-Ethyltoluene	15.88	105	2498670	9.235	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2356281	9.303	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	2426153	9.297	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1401982	8.910	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1413007	8.999	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1391797	9.125	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	1228178	9.641	ppbv	99
79) Naphthalene	22.26	128	2490931	12.240	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	996439	18.736	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1447654	11.197	ppbv	99

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

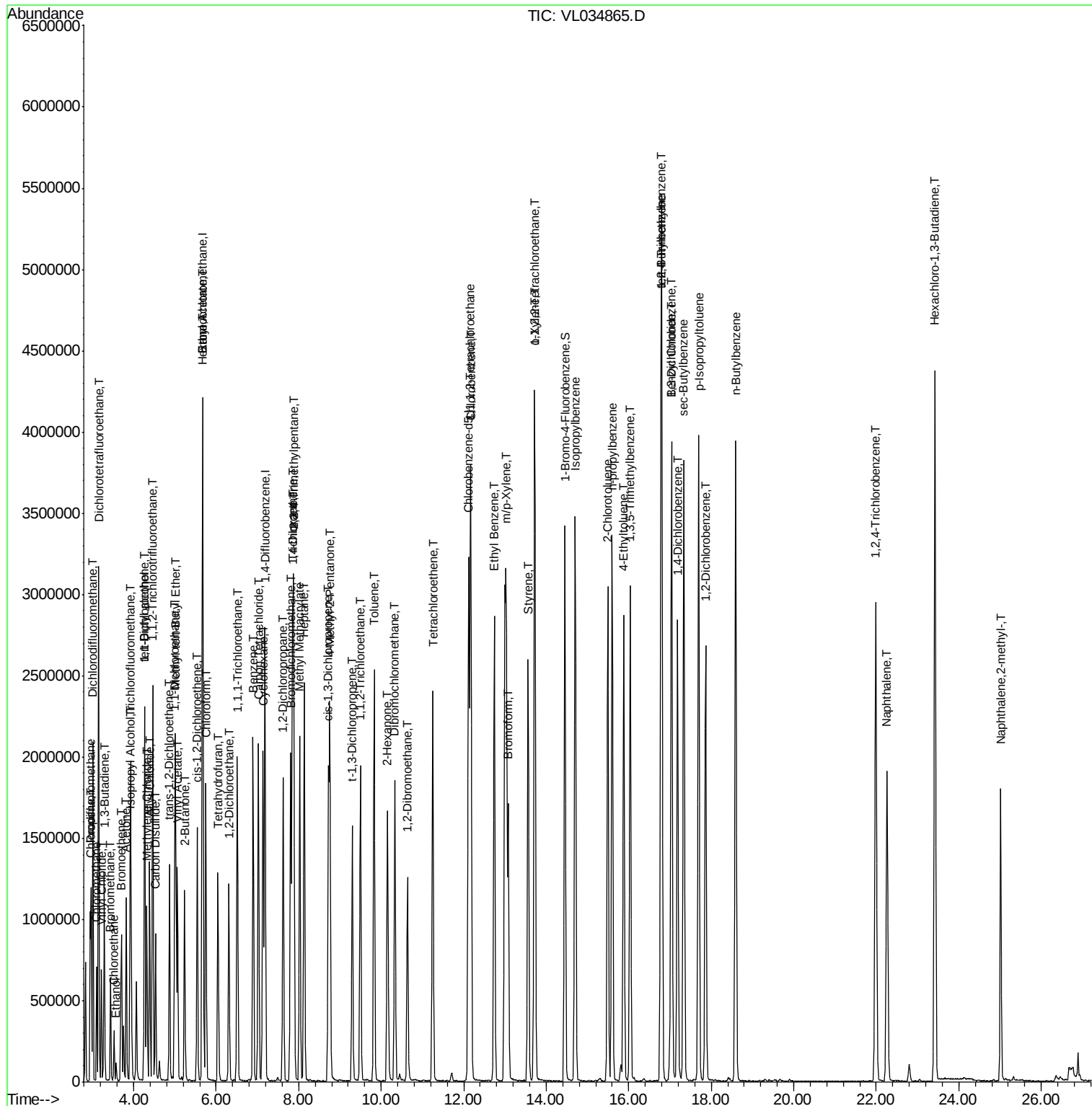
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031020\
Data File : VL034865.D
Acq On : 10 Mar 2020 13:42
Operator : SY/AP
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Misc : 400ml/MSVOA L
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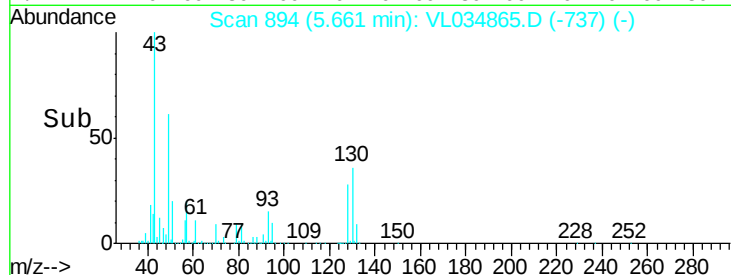
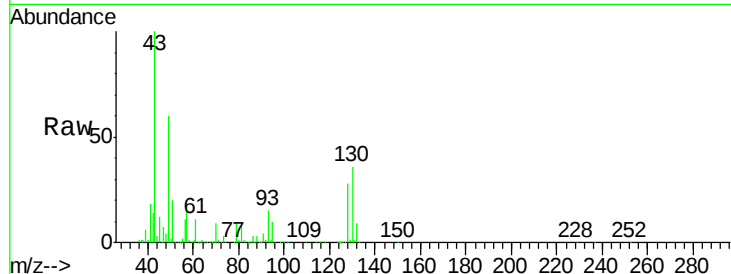
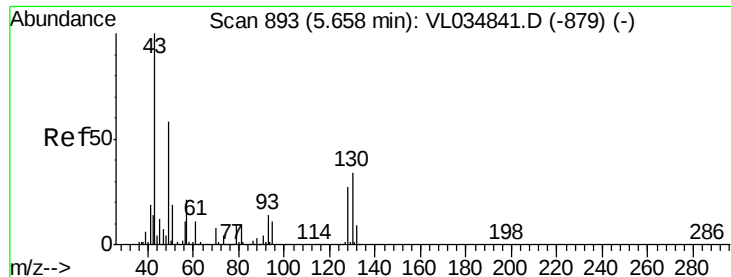
Instrument :
MSVOA_L
ClientSampleID :
VL0310ABS01

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL034865.D

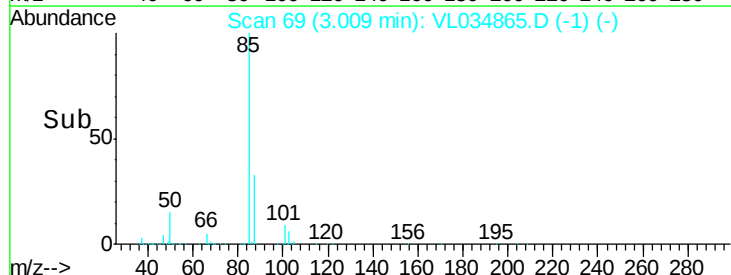
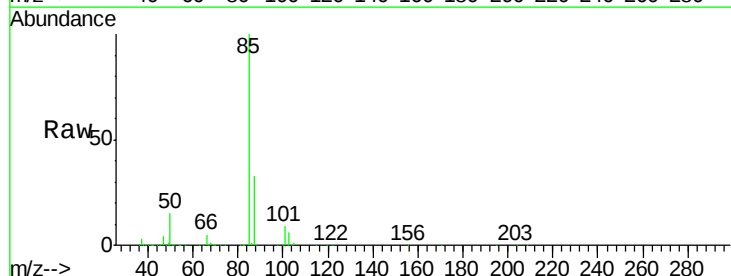
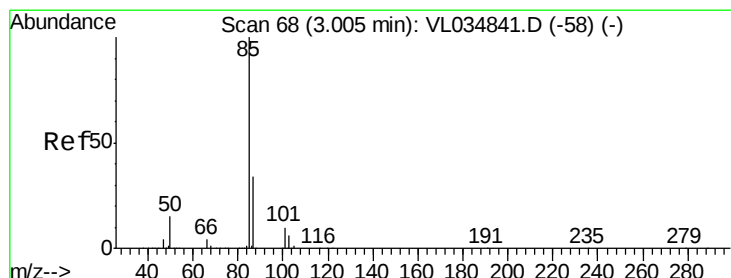
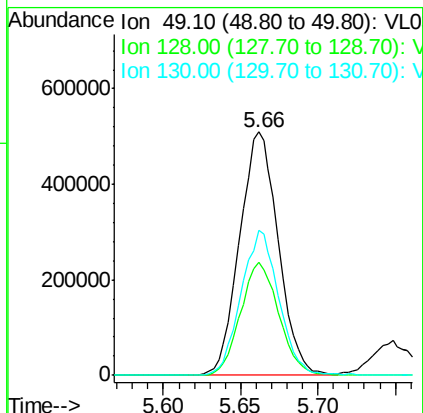
Acq: 10 Mar 2020 13:42

Tot Ion:	49	Resp:	888820
Ion Ratio	Lower	Upper	
49	100		
128	46.2	23.4	70.3
130	58.1	30.0	90.0

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Manual Integrations
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3/11/2020 3:17:15 PM



#2

Dichlorodifluoromethane

Concen: 11.681 ppbv

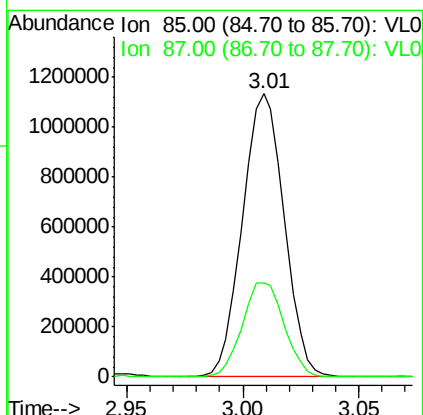
RT: 3.01 min Scan# 69

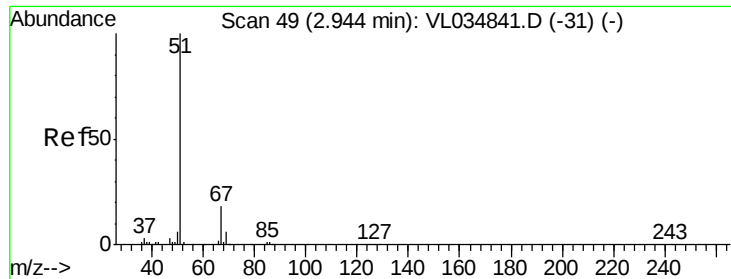
Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion:	85	Resp:	1421735
Ion Ratio	Lower	Upper	
85	100		
87	33.4	26.9	40.3





#3

Chlorodifluoromethane

Concen: 9.365 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 51 Resp: 929843

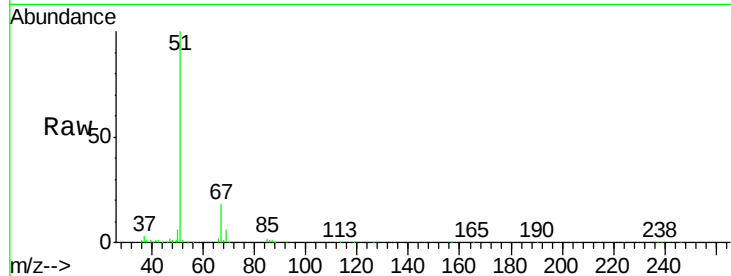
Ion Ratio Lower Upper

51 100

67 18.4 14.3 21.5

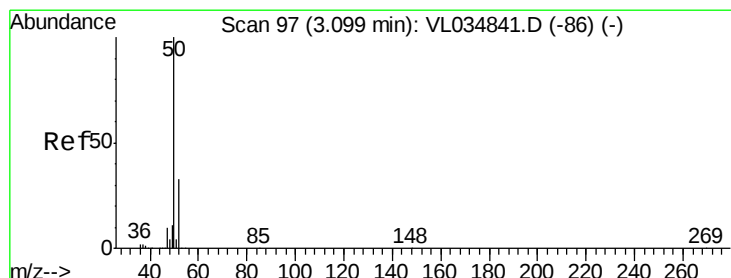
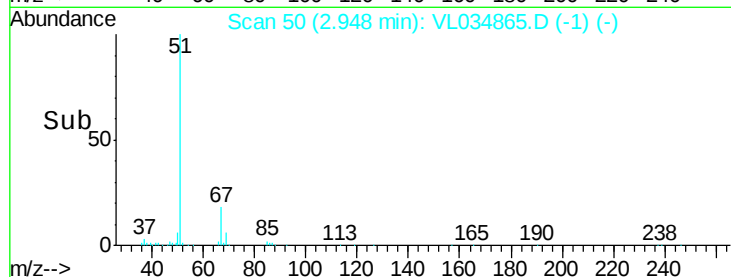
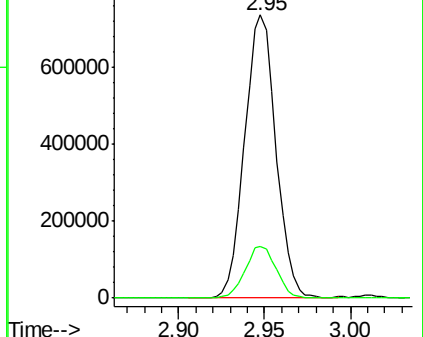
Manual Integrations
APPROVED

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3/11/2020 3:17:15 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.915 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL034865.D

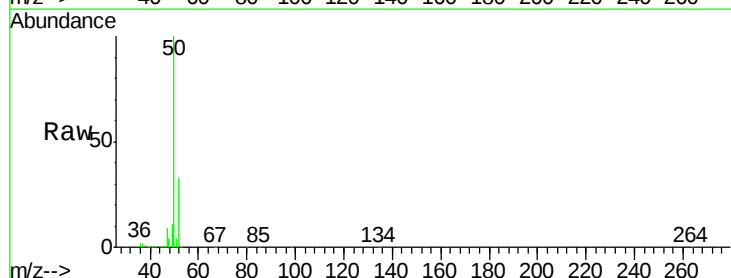
Acq: 10 Mar 2020 13:42

Tgt Ion: 50 Resp: 556402

Ion Ratio Lower Upper

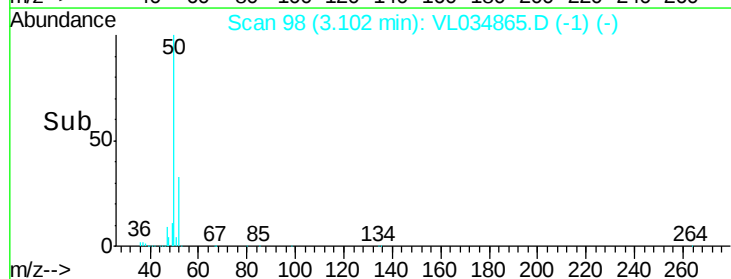
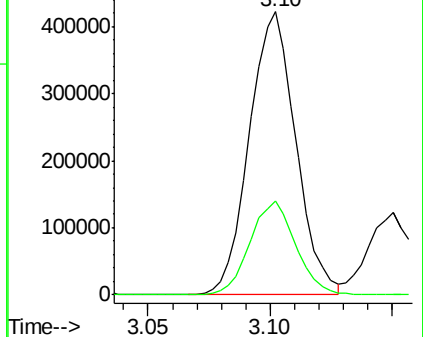
50 100

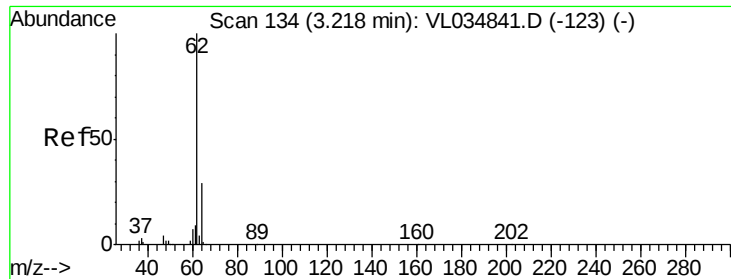
52 33.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.644 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 62 Resp: 520272

Ion Ratio Lower Upper

62 100

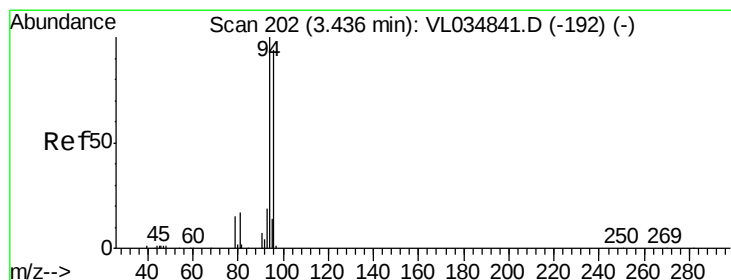
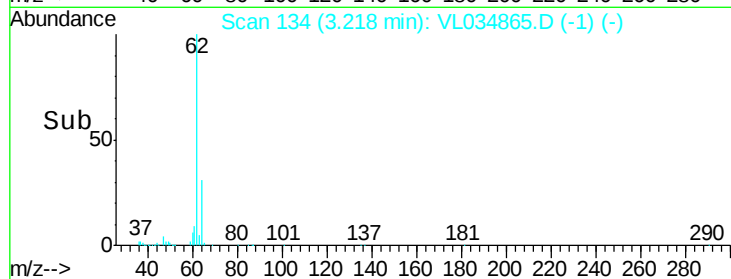
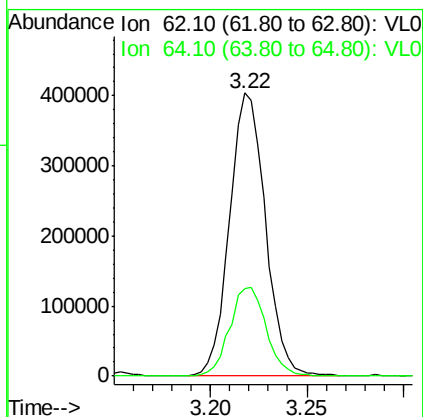
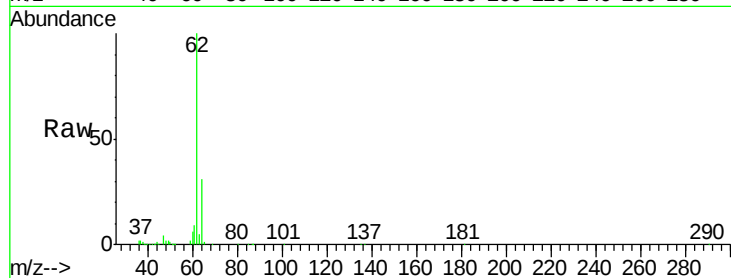
64 30.6 23.0 34.4

Manual Integrations

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#6

Bromomethane

Concen: 9.996 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034865.D

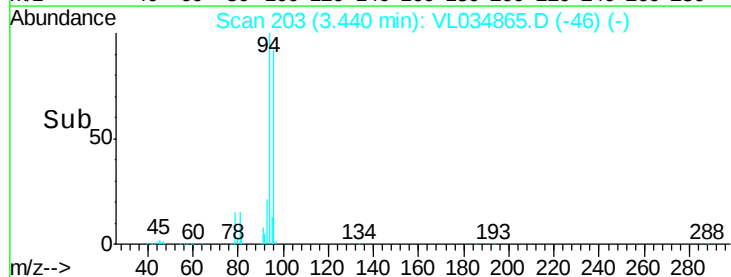
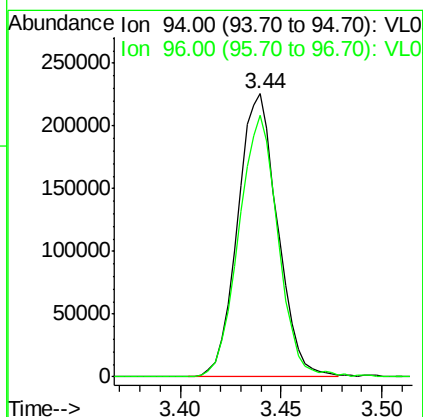
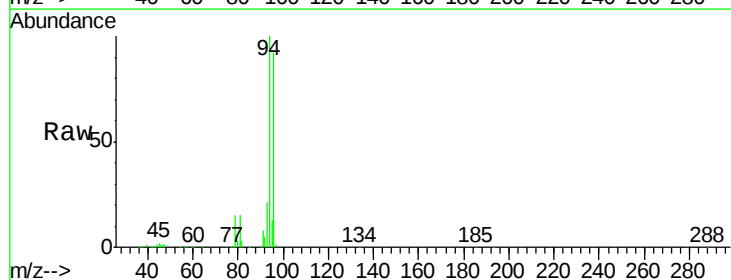
Acq: 10 Mar 2020 13:42

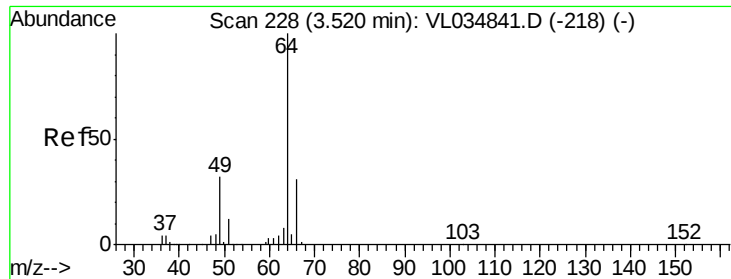
Tgt Ion: 94 Resp: 313927

Ion Ratio Lower Upper

94 100

96 92.1 75.5 113.3





#7

Chloroethane

Concen: 9.707 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 64 Resp: 189114

Ion Ratio Lower Upper

64 100

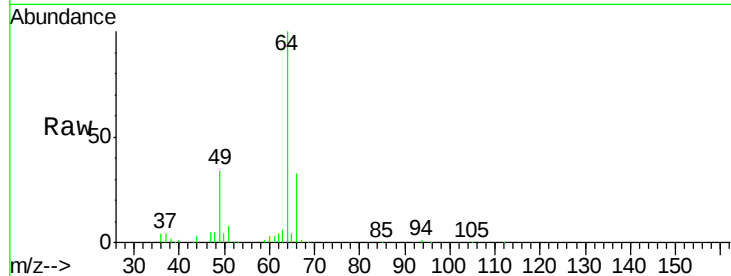
66 32.6 24.8 37.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

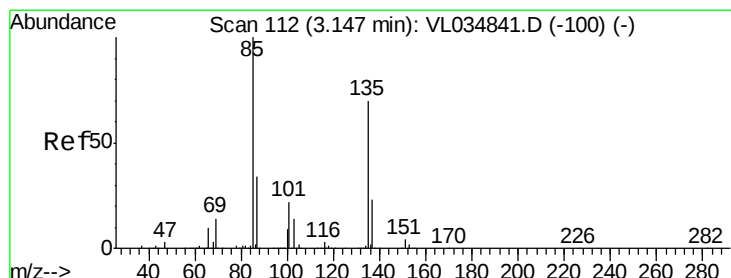
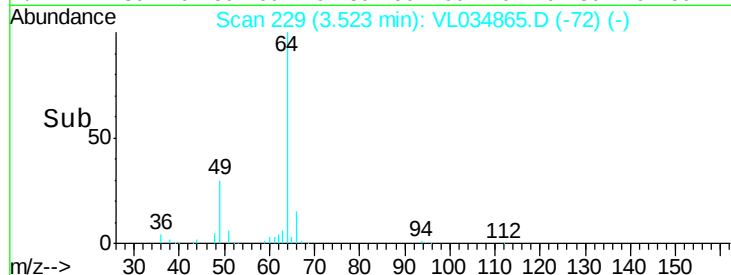
100000

50000

0

3.50 3.52 3.54 3.56

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.130 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034865.D

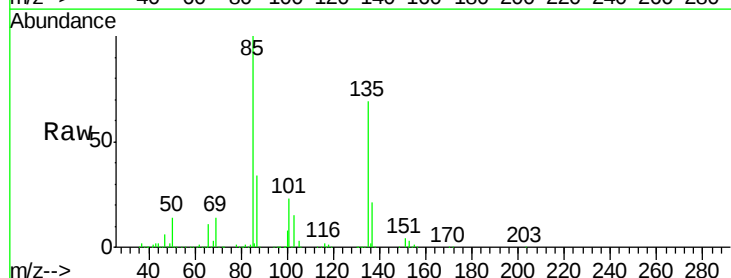
Acq: 10 Mar 2020 13:42

Tgt Ion: 85 Resp: 1154107

Ion Ratio Lower Upper

85 100

135 66.6 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

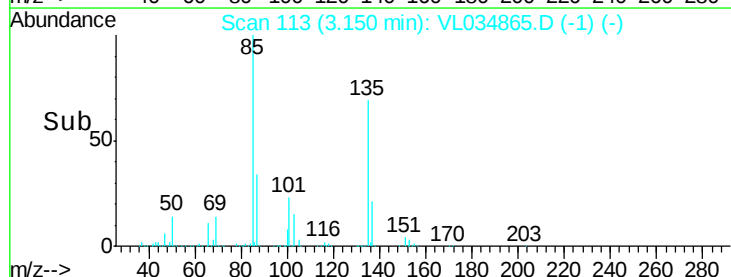
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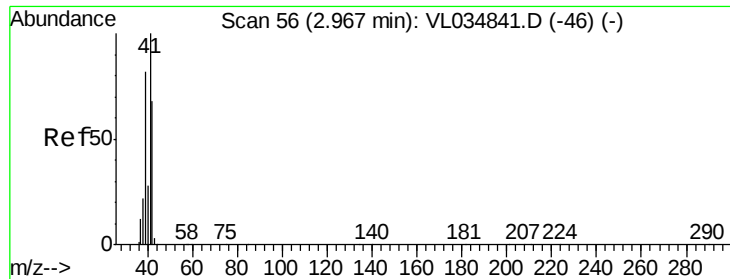
200000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 9.165 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 41 Resp: 434449

Ion Ratio Lower Upper

41 100

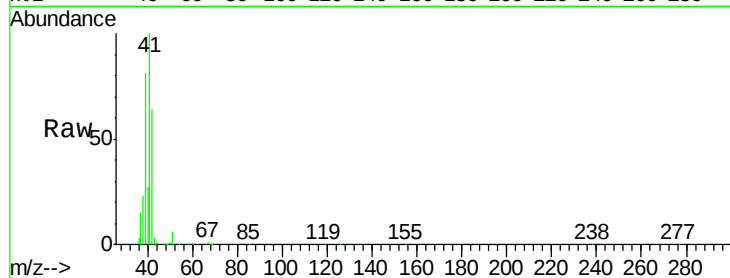
42 68.9 55.2 82.8

Manual Integrations

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3/11/2020 3:17:15 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.97

400000

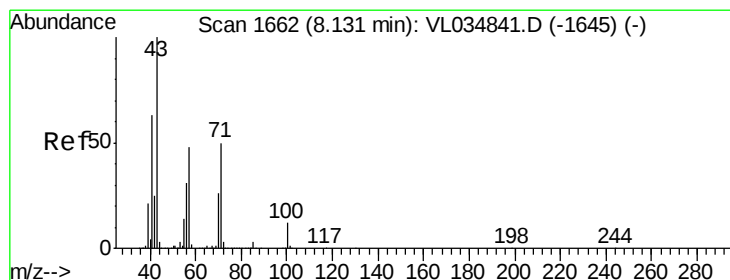
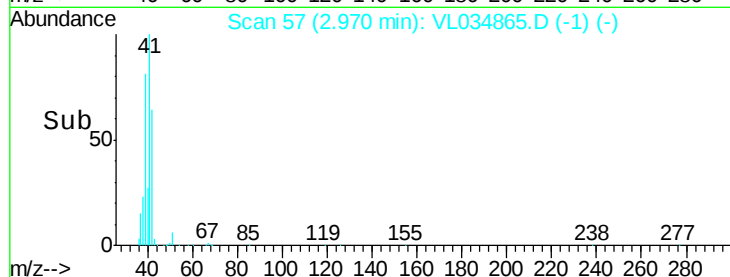
300000

200000

100000

0

Time--> 2.90



#10

Heptane

Concen: 9.747 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL034865.D

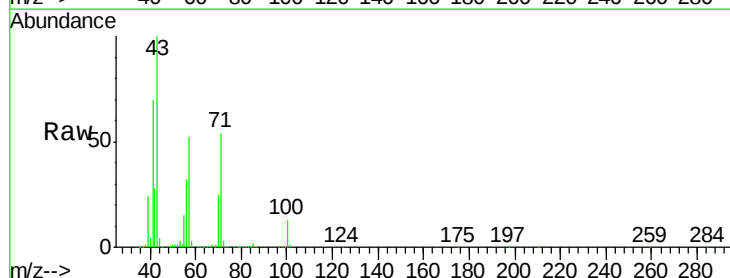
Acq: 10 Mar 2020 13:42

Tgt Ion: 43 Resp: 1137169

Ion Ratio Lower Upper

43 100

57 49.9 39.7 59.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

600000

500000

400000

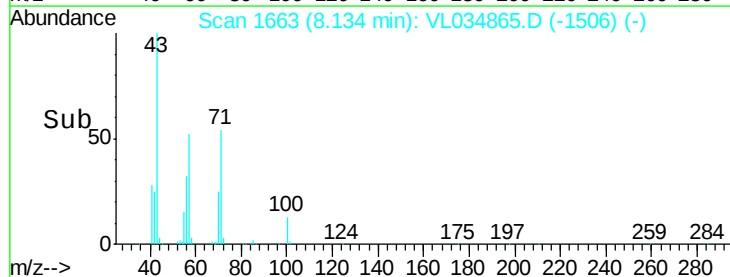
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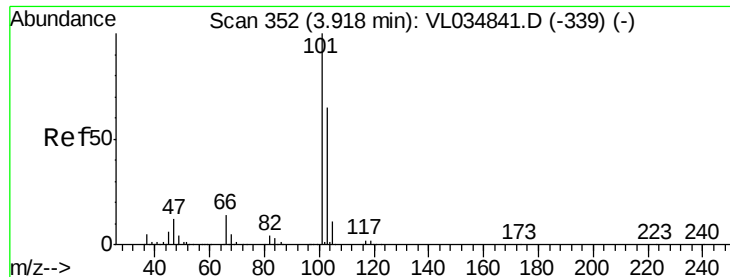
200000

100000

0

Time--> 8.05





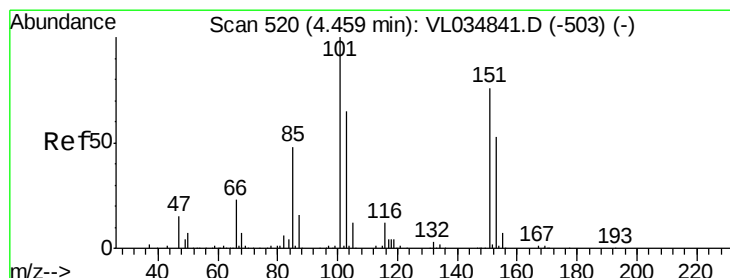
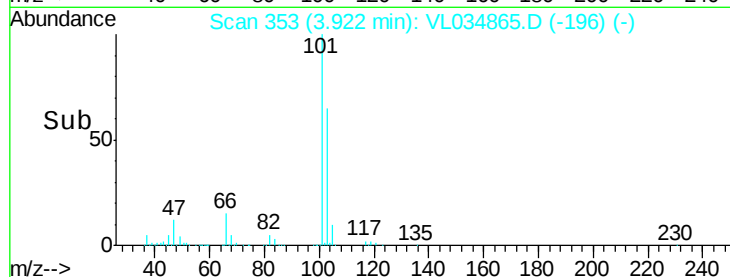
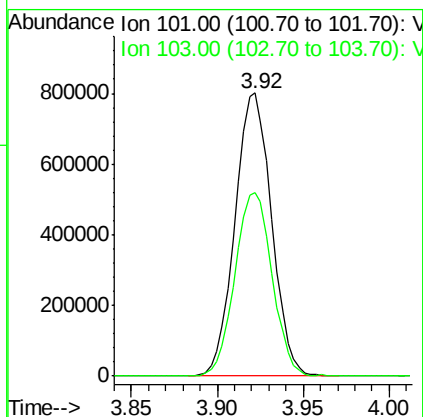
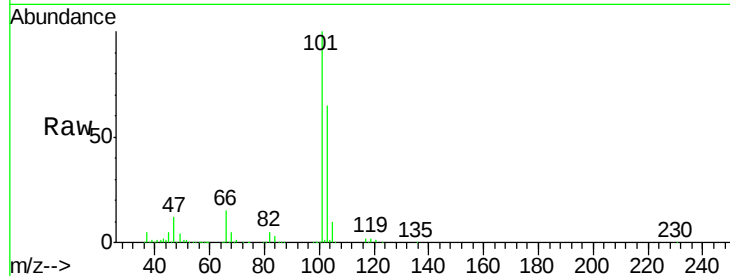
#11
 Trichlorofluoromethane
 Concen: 9.153 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion:101 Resp: 1185183
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8

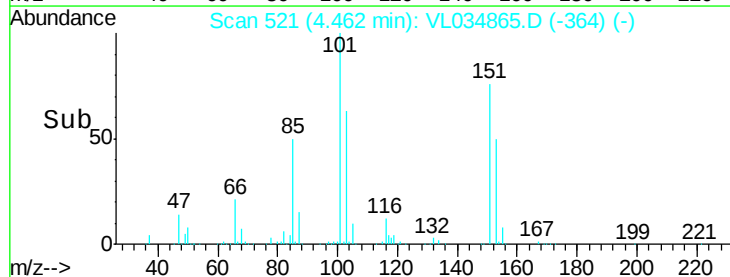
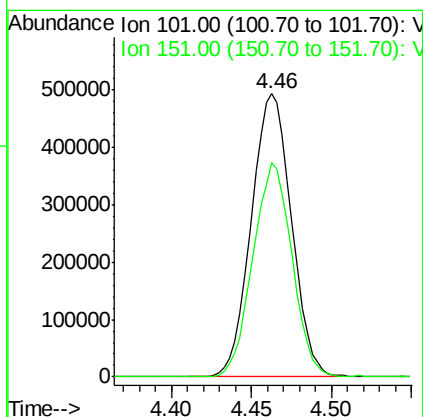
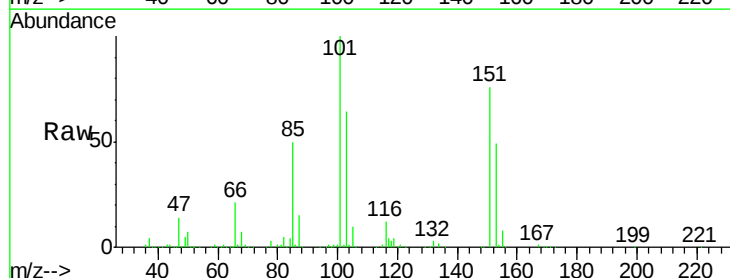
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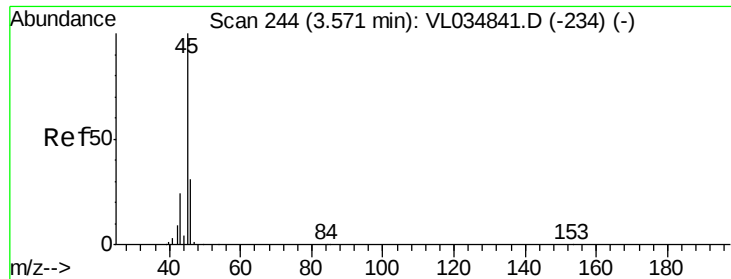
MMDadoda
 3/11/2020 3:17:15 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.375 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion:101 Resp: 849621
 Ion Ratio Lower Upper
 101 100
 151 73.8 60.8 91.2





#13

Ethanol

Concen: 7.490 ppbv m

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tot Ion: 45 Resp: 107948

Ion Ratio Lower Upper

45 100

46 34.1 16.0 64.0

Instrument :

MSVOA_L

ClientSampleId :

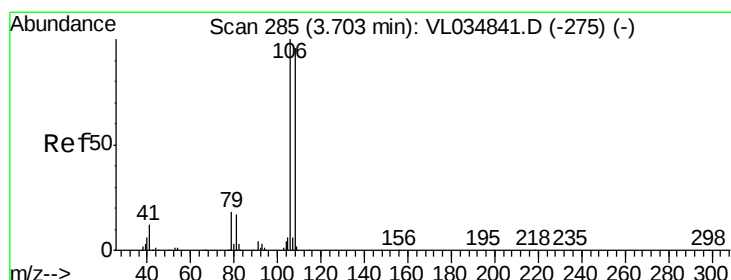
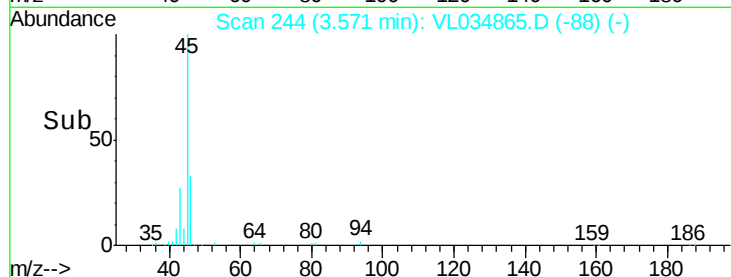
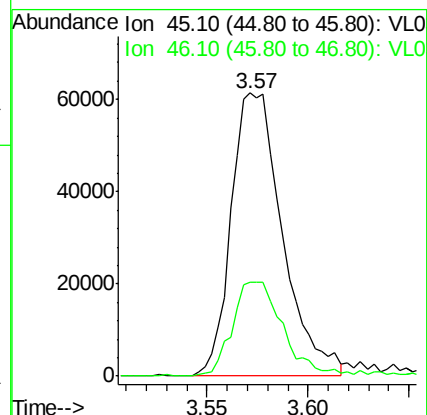
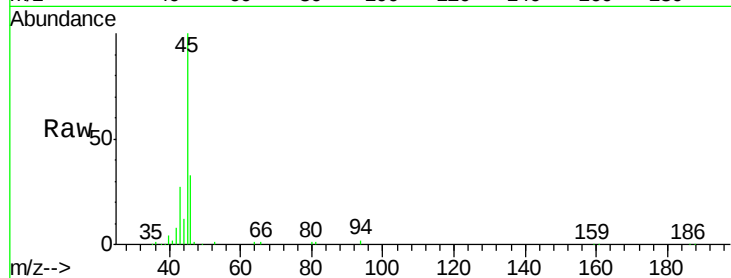
VL0310ABS01

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#14

Bromoethene

Concen: 9.463 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

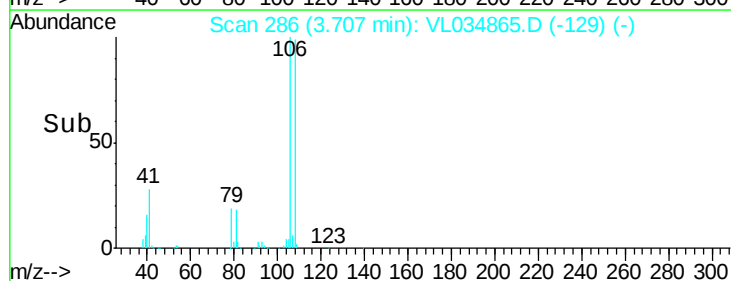
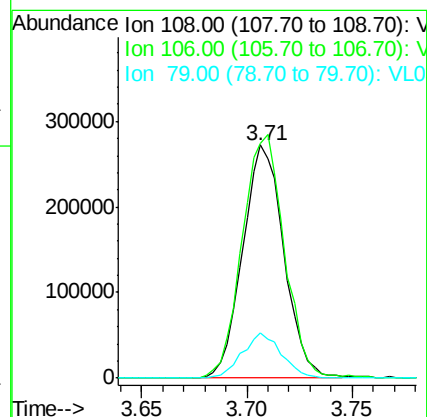
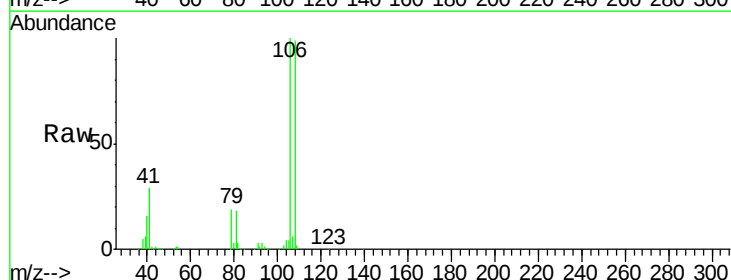
Tgt Ion: 108 Resp: 370368

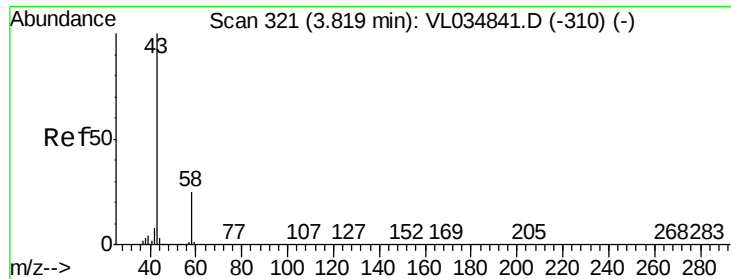
Ion Ratio Lower Upper

108 100

106 107.4 85.1 127.7

79 18.5 14.7 22.1





#15

Acetone

Concen: 9.371 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tot Ion: 43 Resp: 1079536

Ion Ratio Lower Upper

43 100

58 27.0 21.0 31.6

Instrument :

MSVOA_L

ClientSampleId :

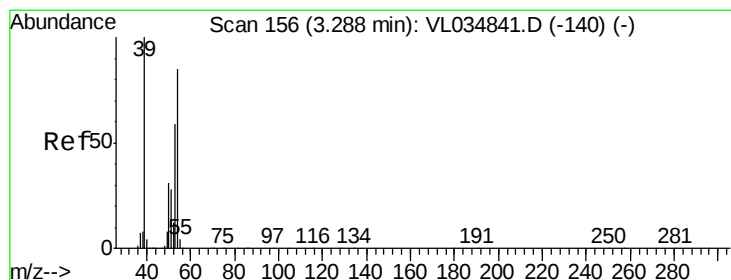
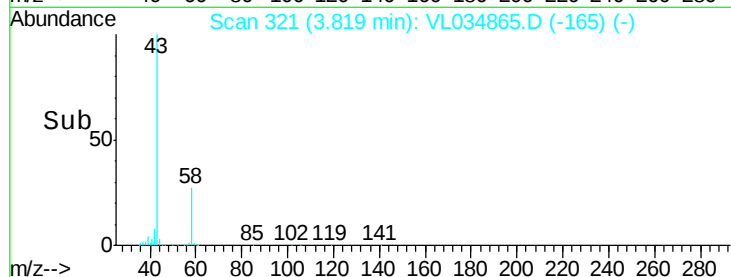
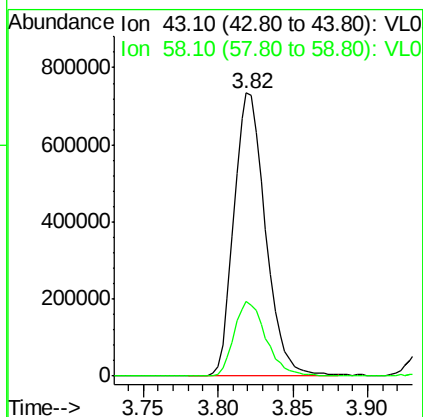
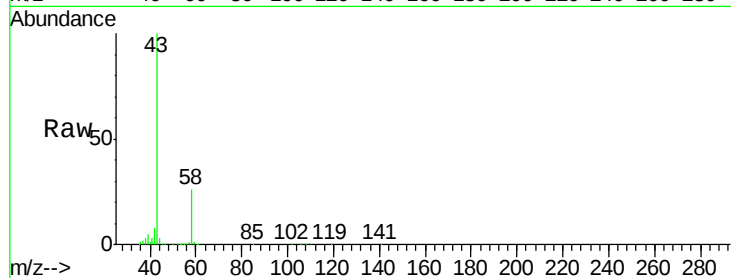
VL0310ABS01

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#16

1,3-Butadiene

Concen: 9.387 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034865.D

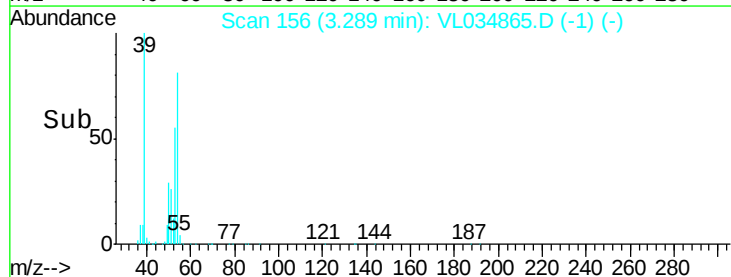
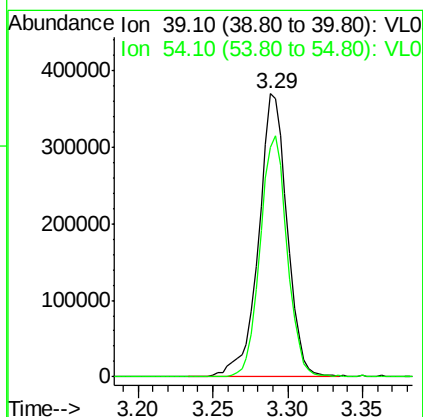
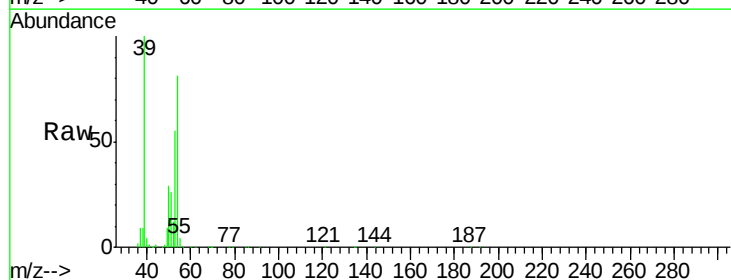
Acq: 10 Mar 2020 13:42

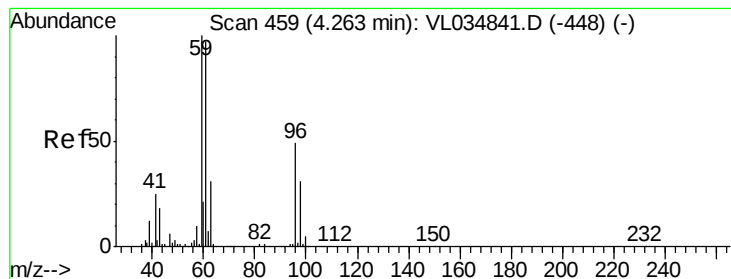
Tgt Ion: 39 Resp: 489023

Ion Ratio Lower Upper

39 100

54 80.7 65.0 97.6





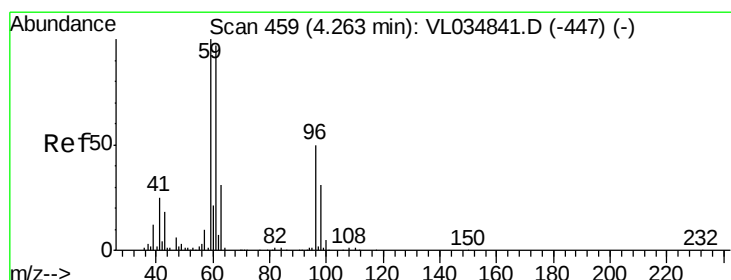
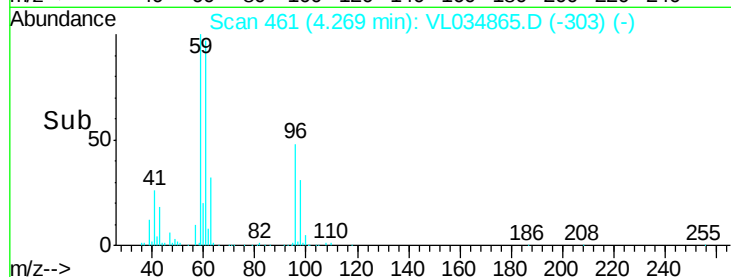
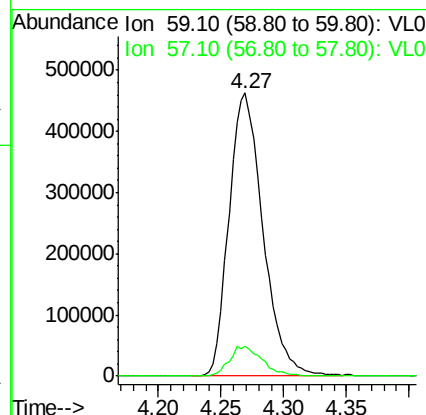
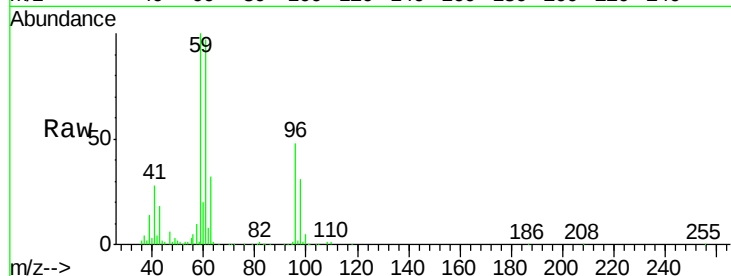
#17
 tert-Butyl alcohol
 Concen: 7.832 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

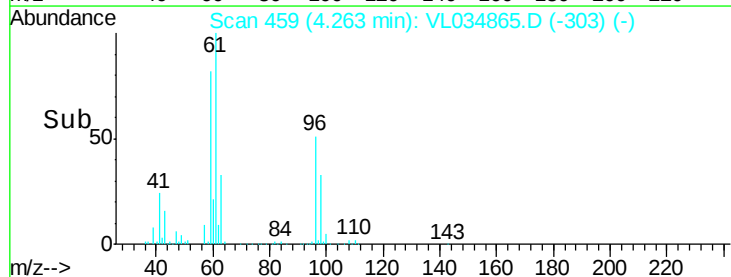
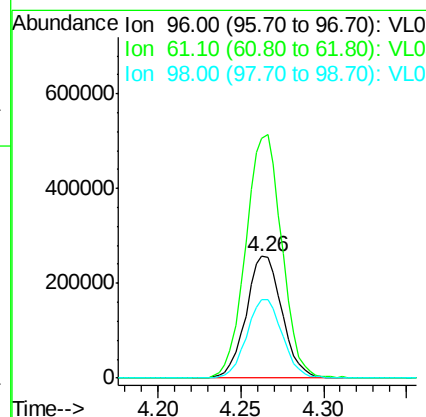
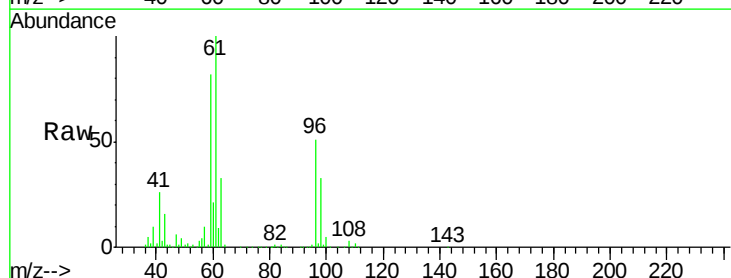
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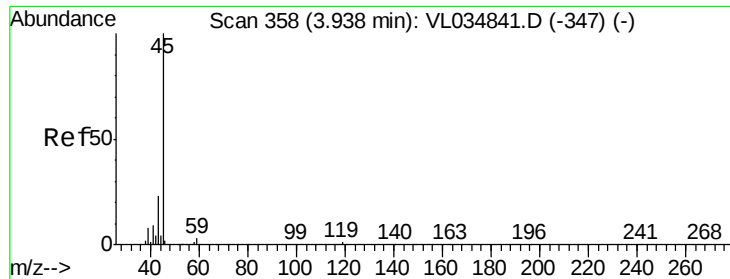
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 9.642 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.8	157.3	235.9
98	64.7	50.2	75.4





#19

Isopropyl Alcohol

Concen: 7.889 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 45 Resp: 573922

Ion Ratio Lower Upper

45 100

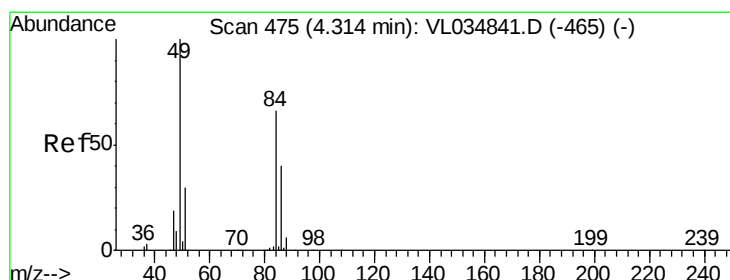
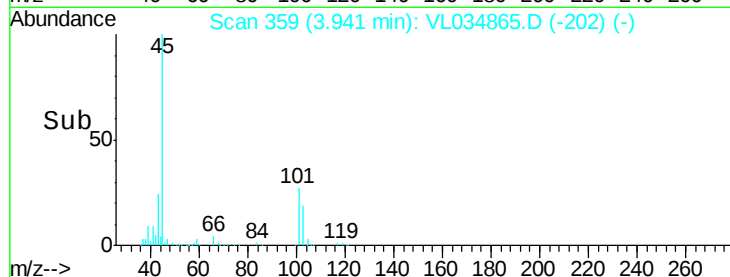
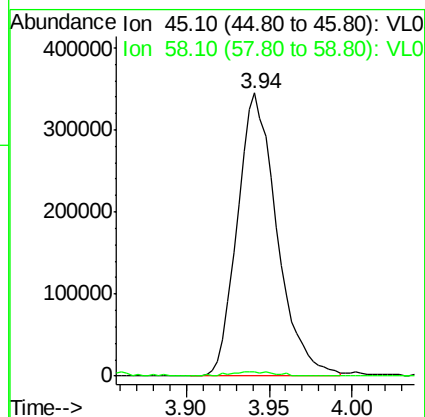
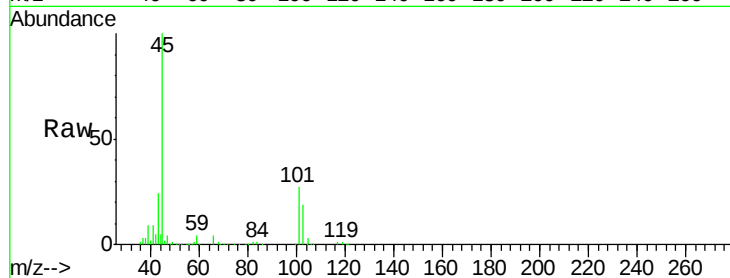
58 2.0 30.5 45.7#

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#20

Methylene Chloride

Concen: 9.251 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion: 84 Resp: 336929

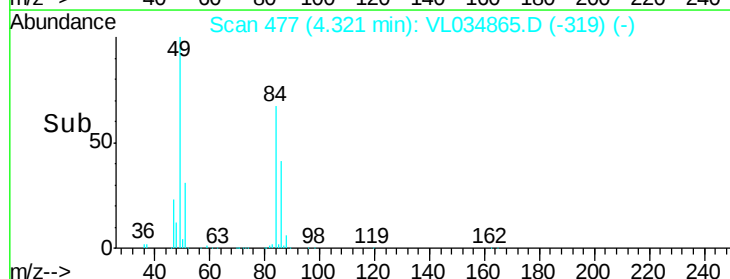
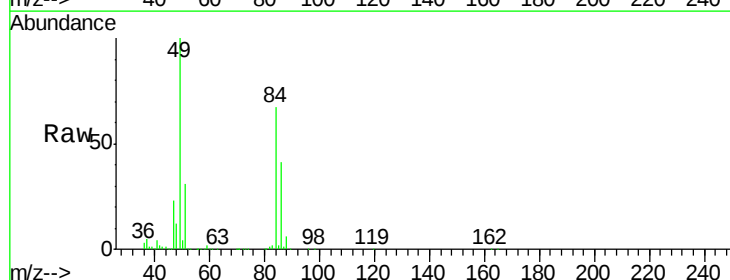
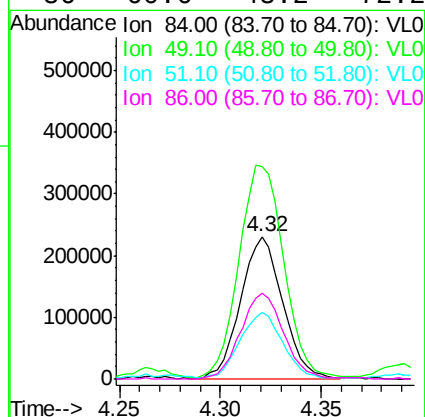
Ion Ratio Lower Upper

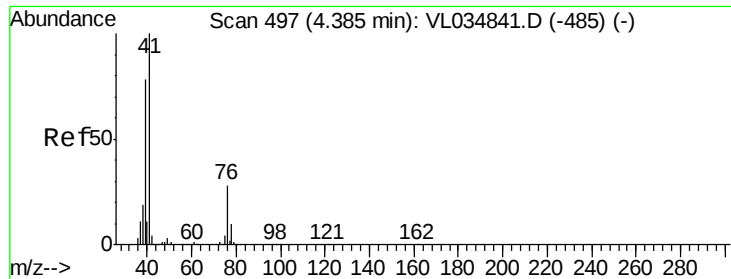
84 100

49 148.7 121.5 182.3

51 46.2 36.6 55.0

86 60.6 48.2 72.2





#21

Allvl Chloride

Concen: 9.458 ppbv

RT: 4.39 min Scan# 498

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

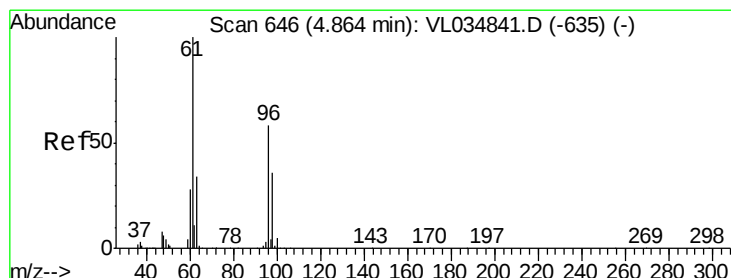
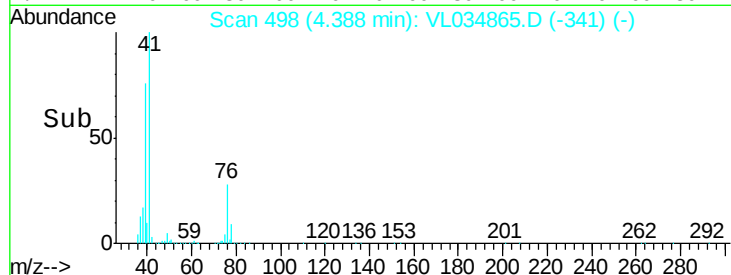
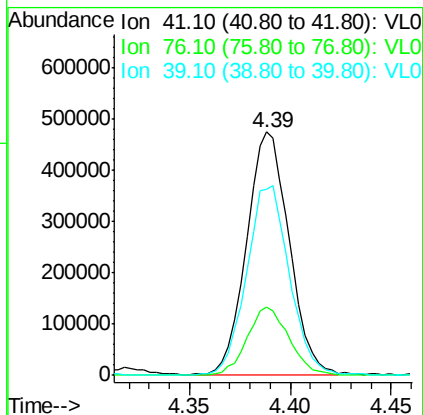
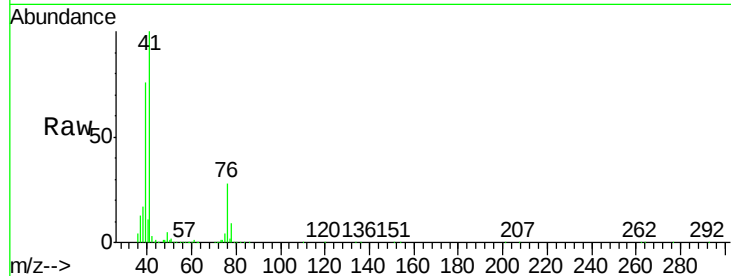
ClientSampleId :

VL0310ABS01

Tot Ion:	41	Resp:	699790
Ion	Ratio	Lower	Upper
41	100		
76	28.0	22.2	33.2
39	78.7	62.6	93.8

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#22

trans-1,2-Dichloroethene

Concen: 9.501 ppbv

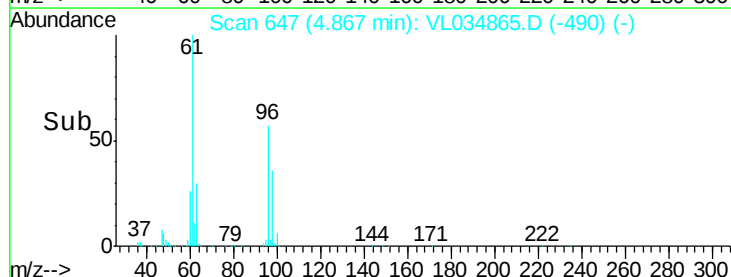
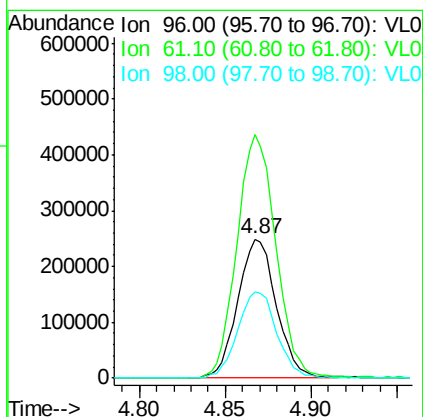
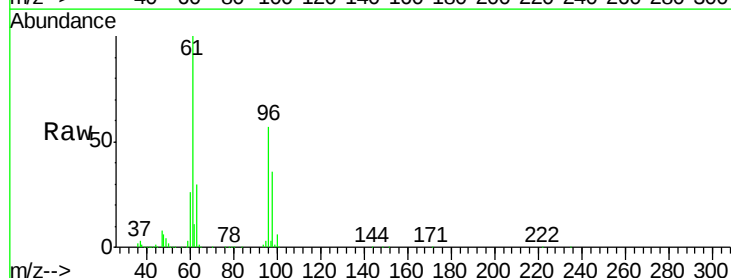
RT: 4.87 min Scan# 647

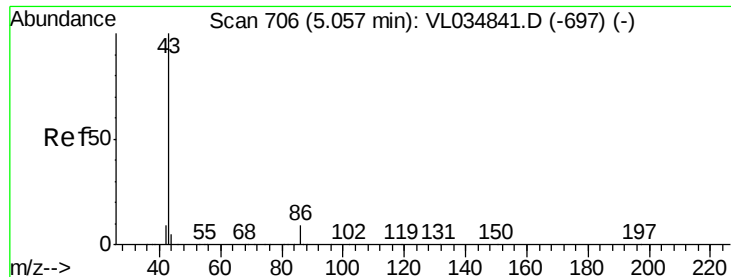
Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion:	96	Resp:	386857
Ion	Ratio	Lower	Upper
96	100		
61	175.4	139.0	208.6
98	62.6	50.3	75.5





#23

Vinyl Acetate

Concen: 9.898 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tot Ion: 43 Resp: 1684422

Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 10.0 7.8 11.8

44 5.4 4.0 6.0

Instrument :

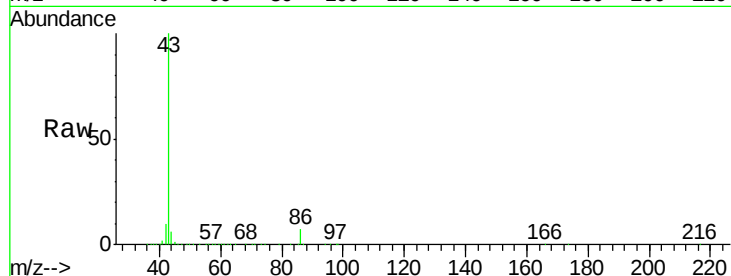
MSVOA_L

ClientSampleId :

VL0310ABS01

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MMDadoda
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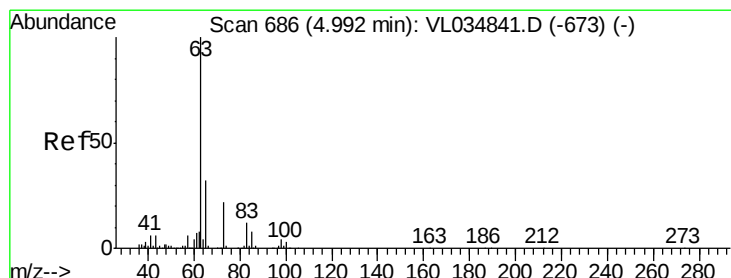
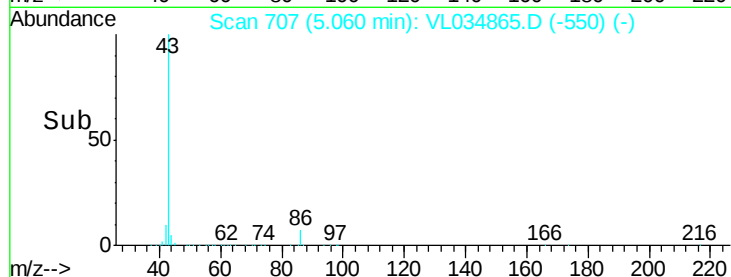
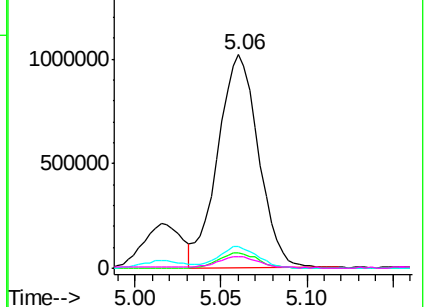


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.349 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

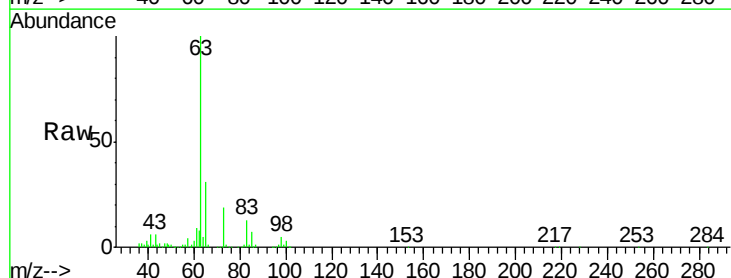
Tgt Ion: 63 Resp: 1066551

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

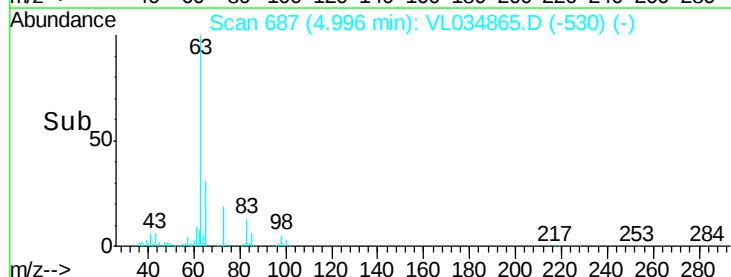
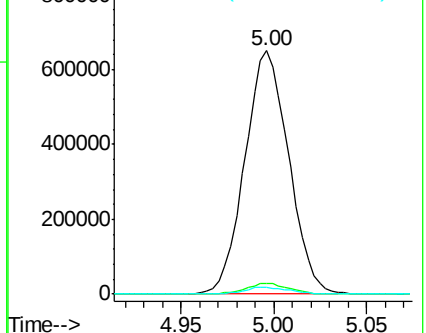
100 2.6 1.4 4.0

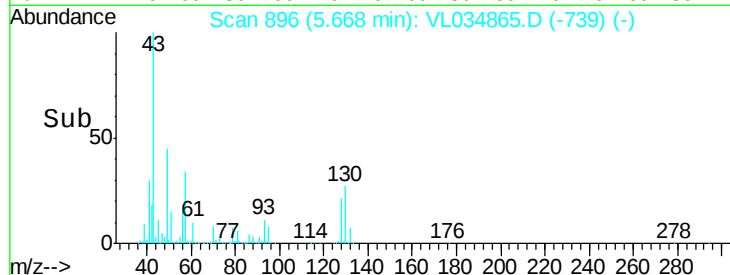
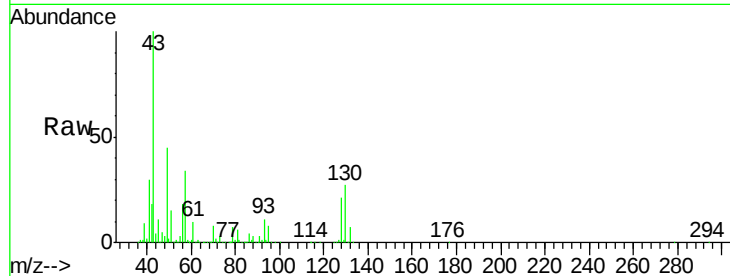
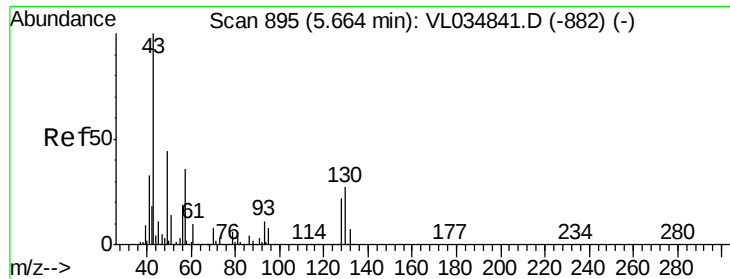


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

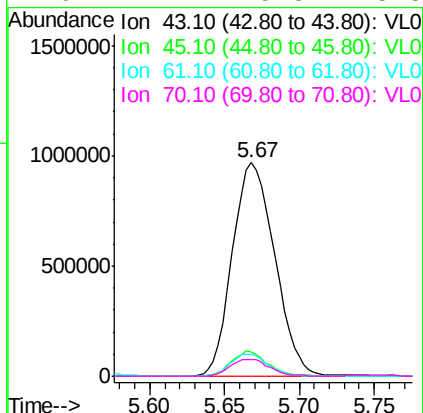
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.302 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

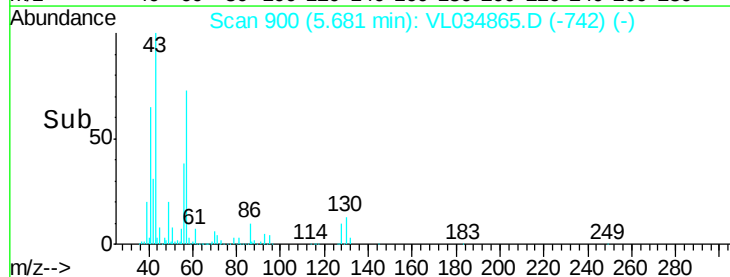
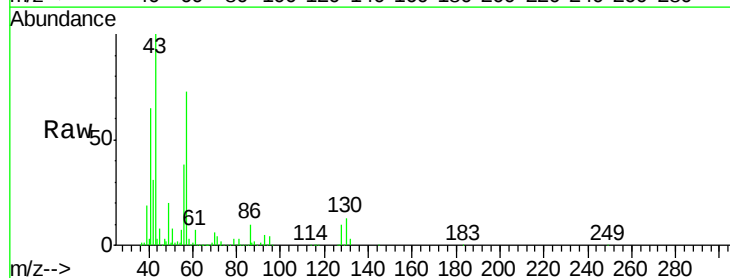
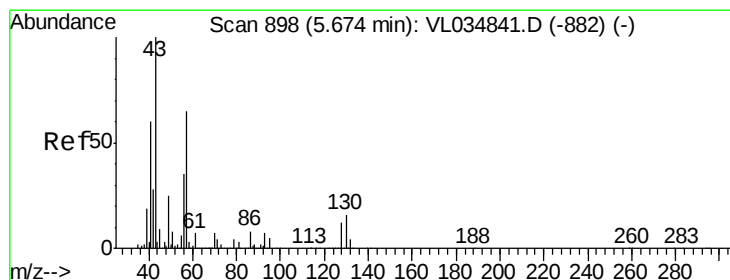
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	8.2	12.2	
61	9.5	7.8	11.6	
70	7.4	5.8	8.8	



Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

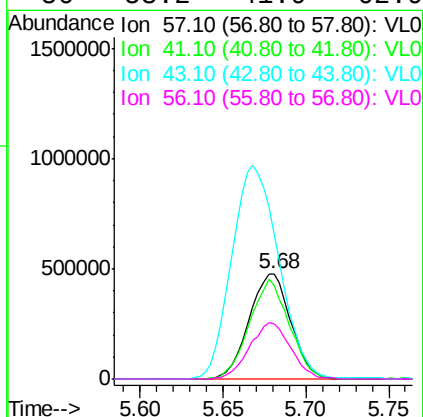
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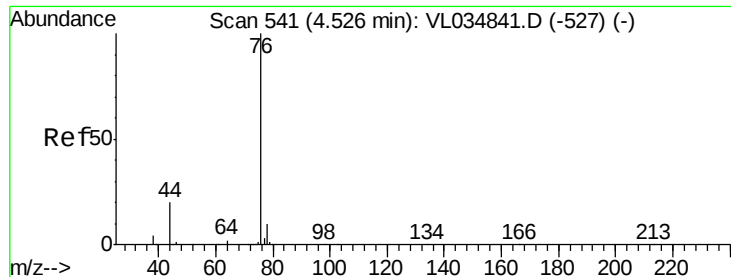
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#26
Hexane
Concen: 9.390 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.9	72.6	109.0	
43	231.1	183.8	275.6	
56	53.2	41.9	62.9	





#27

Carbon Disulfide

Concen: 9.579 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

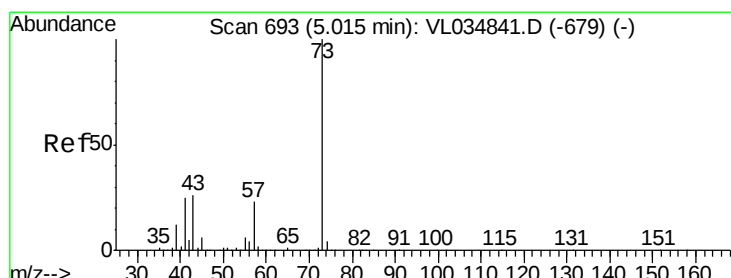
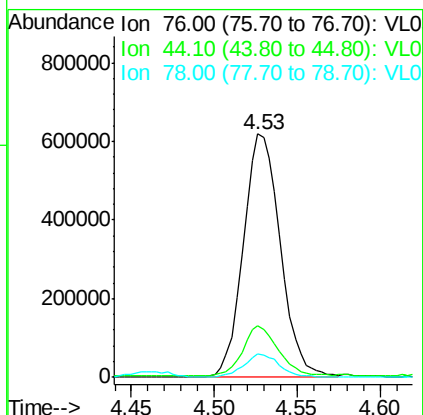
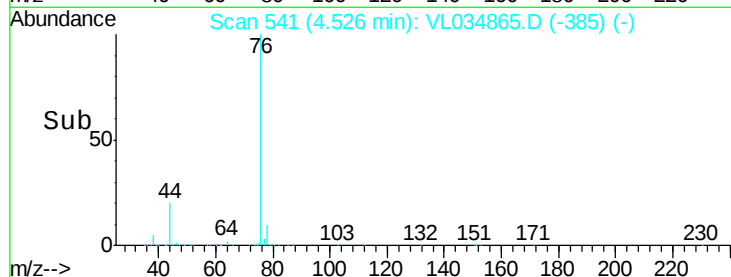
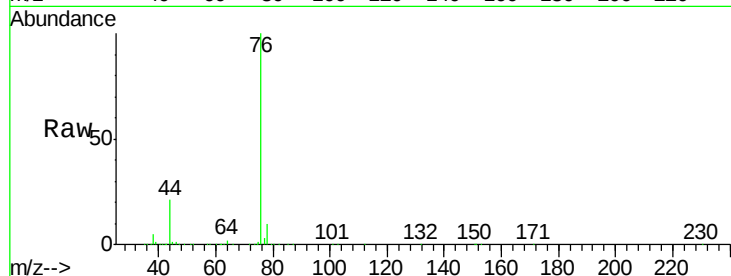
ClientSampleId :

VL0310ABS01

Tot Ion:	76	Resp:	960621
Ion Ratio	Lower	Upper	
76	100		
44	20.1	16.2	24.2
78	9.3	7.8	11.6

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#28

Methyl tert-Butyl Ether

Concen: 9.219 ppbv

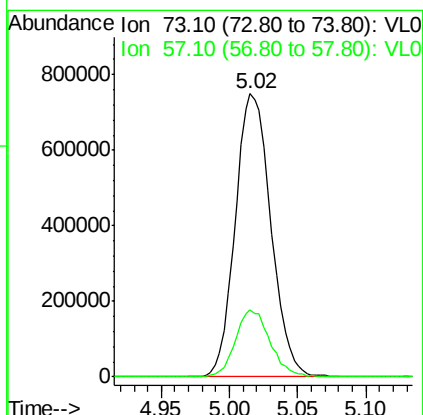
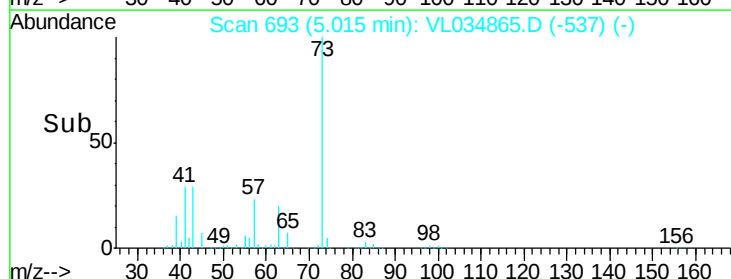
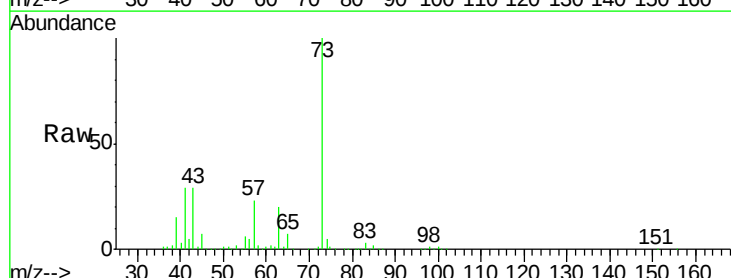
RT: 5.02 min Scan# 693

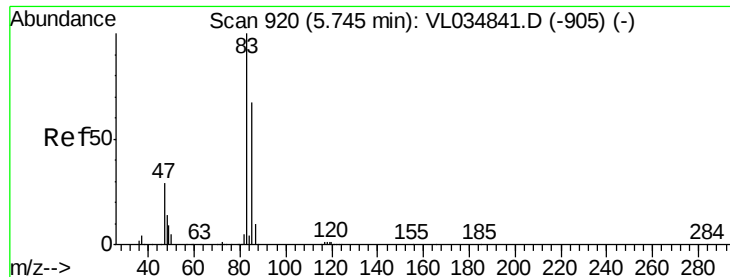
Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion:	73	Resp:	1355567
Ion Ratio	Lower	Upper	
73	100		
57	23.1	18.3	27.5





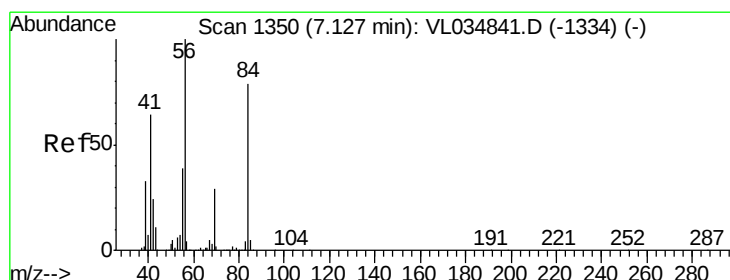
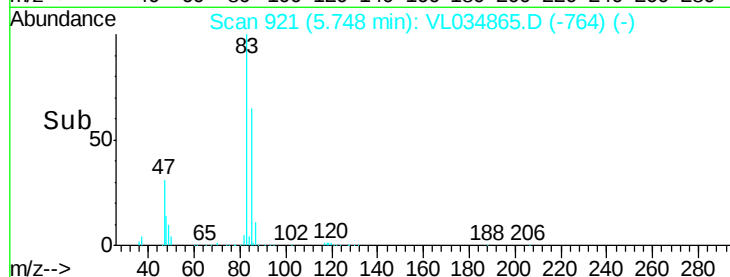
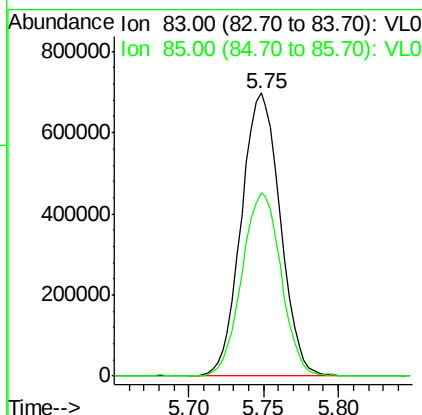
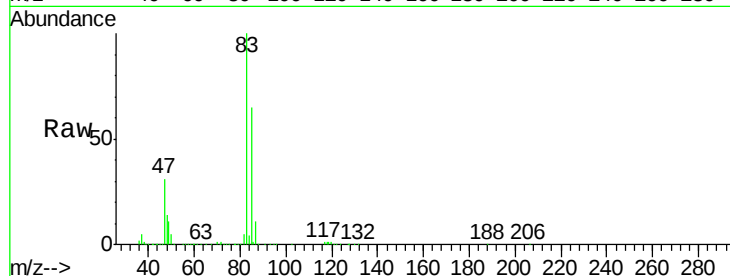
#29
Chloroform
Concen: 9.379 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion: 83 Resp: 1264689
Ion Ratio Lower Upper
83 100
85 64.9 53.8 80.6

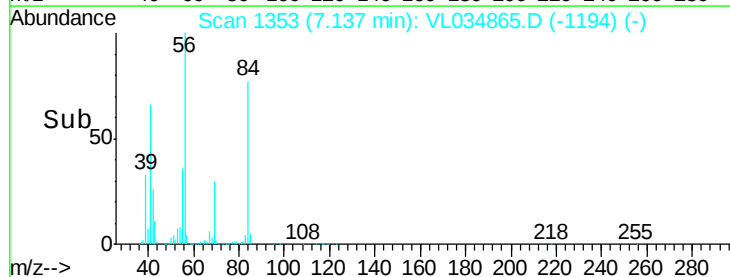
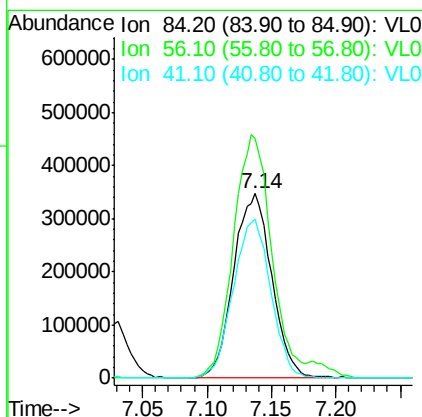
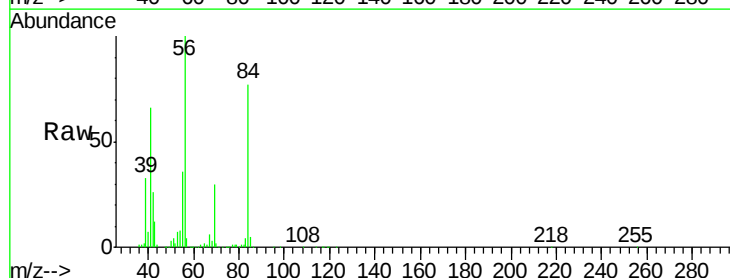
Manual Integrations
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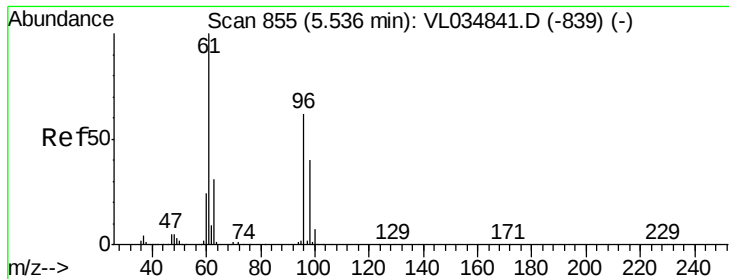
MMDadoda
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#30
Cyclohexane
Concen: 9.696 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 84 Resp: 714956
Ion Ratio Lower Upper
84 100
56 137.1 110.5 165.7
41 84.8 68.2 102.4





#31

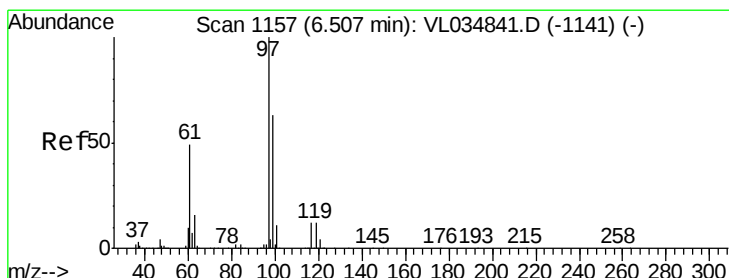
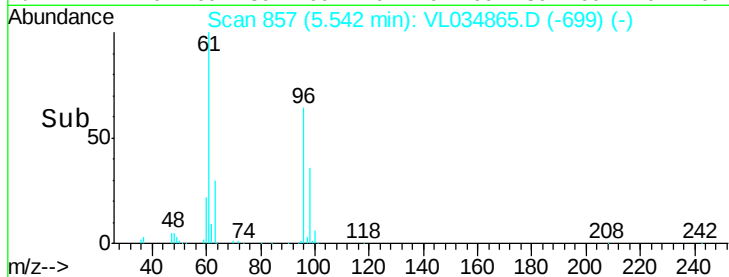
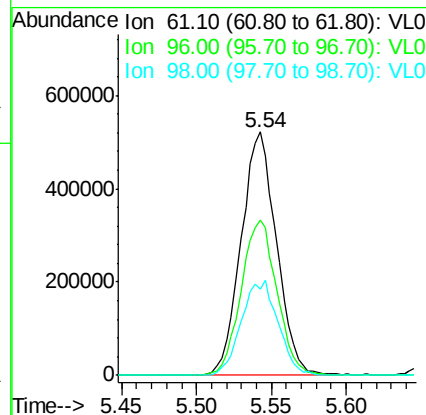
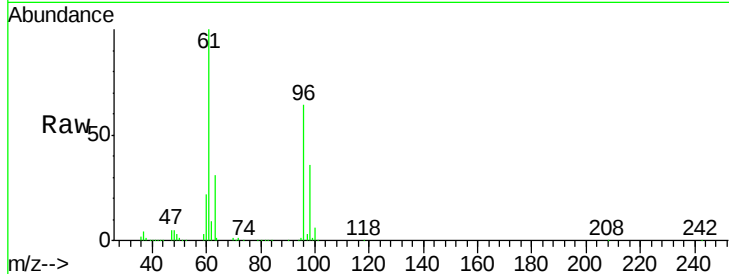
cis-1,2-Dichloroethene
 Concen: 9.520 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.9	49.8	74.8
98	35.6	32.2	48.4

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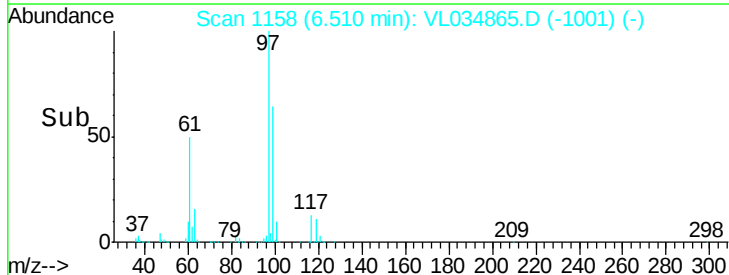
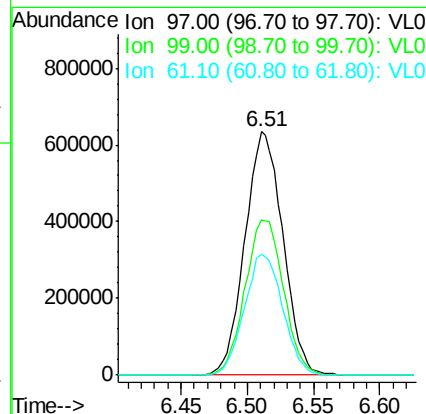
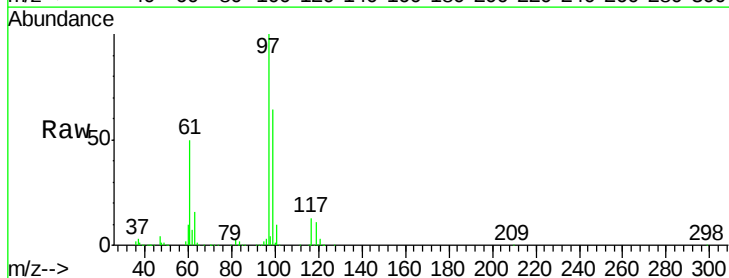
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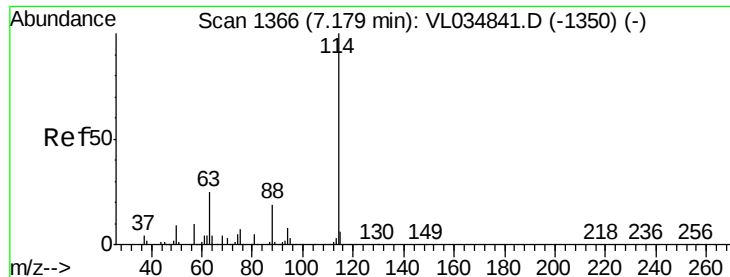


#32

1,1,1-Trichloroethane
 Concen: 9.627 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	50.3	39.7	59.5





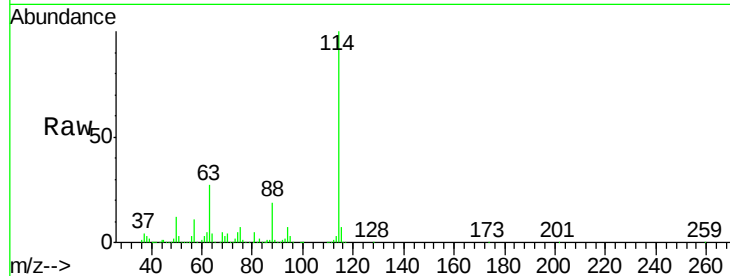
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	20.6	31.0
88	19.2	15.0	22.6

Manual Integrations
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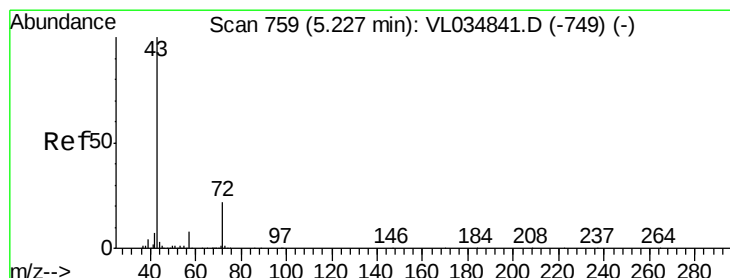
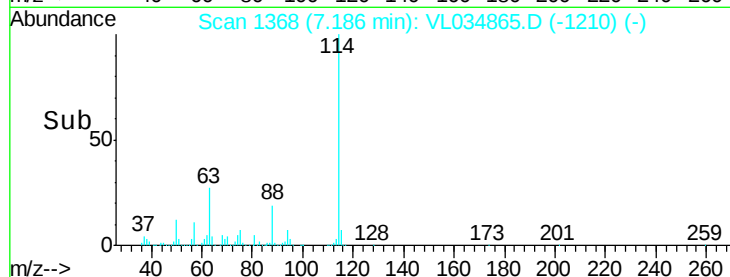
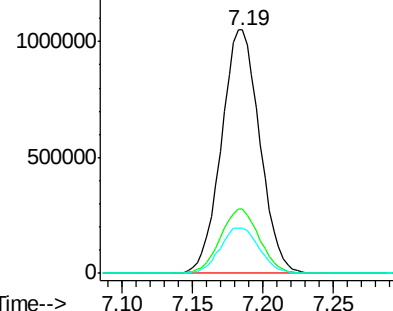
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Abundance Ion 114.10 (113.80 to 114.80): VL034841.D (-1350) (-)

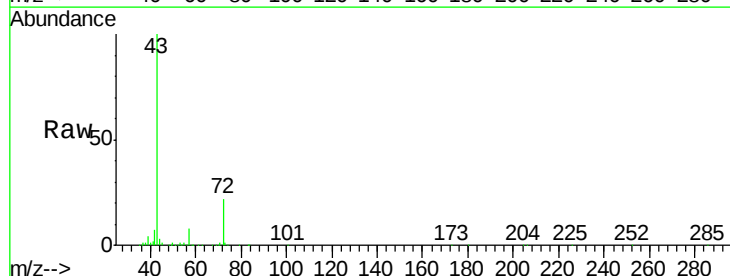
Ion 63.10 (62.80 to 63.80): VL034841.D (-1350) (-)

Ion 88.10 (87.80 to 88.80): VL034841.D (-1350) (-)



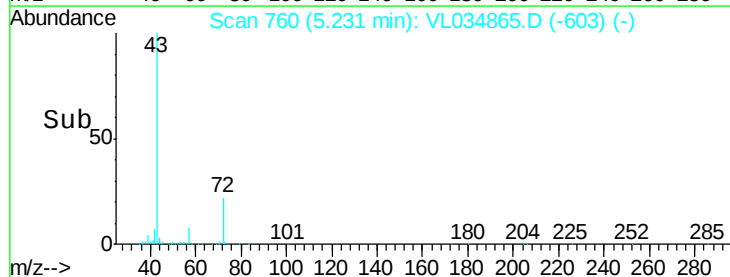
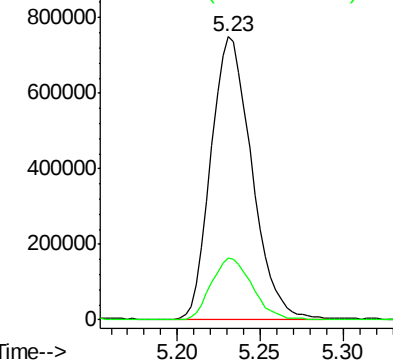
#34
 2-Butanone
 Concen: 9.587 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

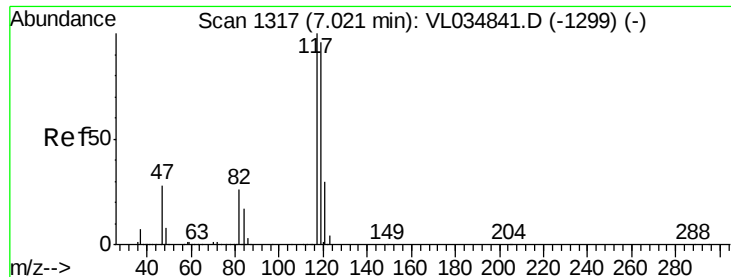
Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.6	26.4



Abundance Ion 43.10 (42.80 to 43.80): VL034841.D (-749) (-)

Ion 72.10 (71.80 to 72.80): VL034841.D (-749) (-)





#35

Carbon Tetrachloride

Concen: 10.281 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion:117 Resp: 1281163

Ion Ratio Lower Upper

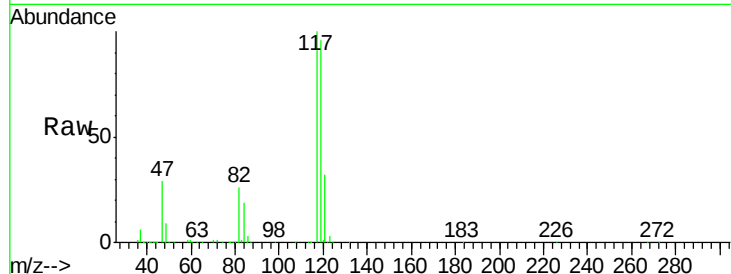
117 100

119 96.4 77.0 115.4

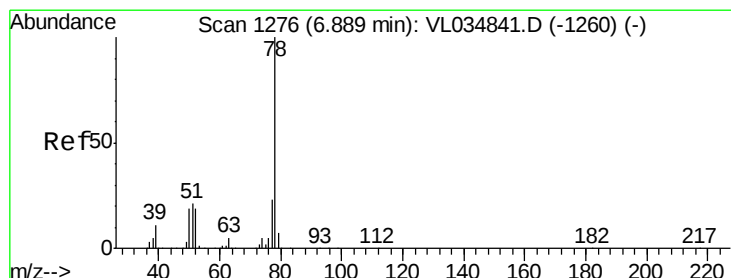
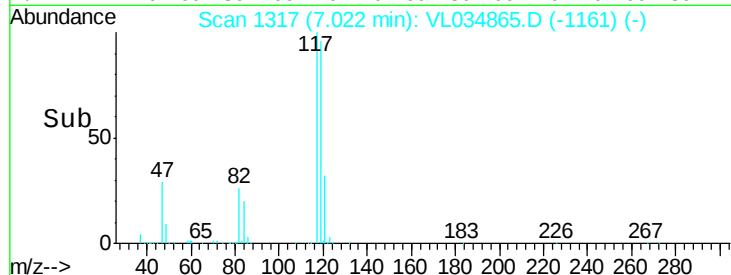
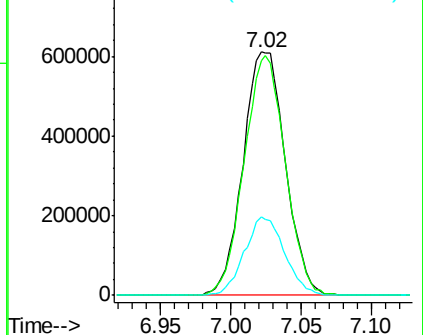
121 32.0 24.0 36.0

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



#36

Benzene

Concen: 9.392 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

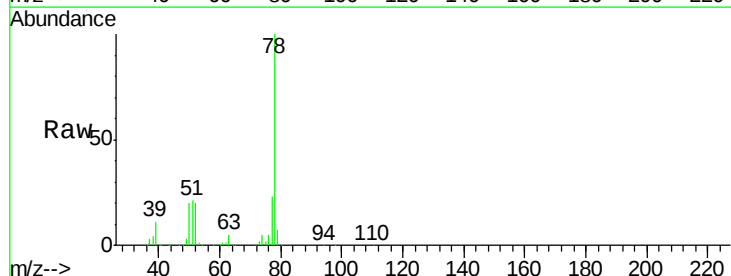
Tgt Ion: 78 Resp: 1677329

Ion Ratio Lower Upper

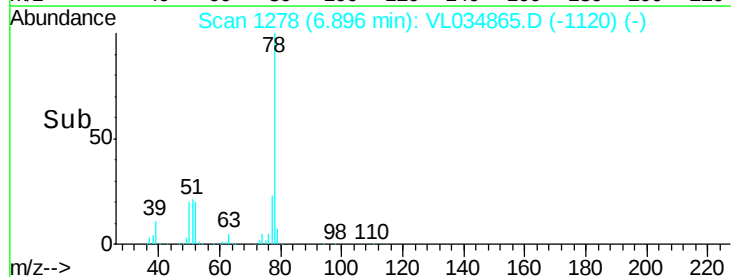
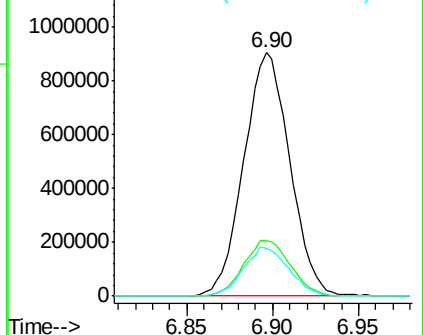
78 100

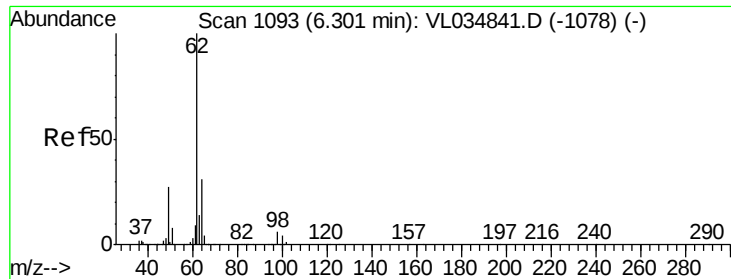
77 22.8 18.2 27.2

50 19.8 15.2 22.8



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





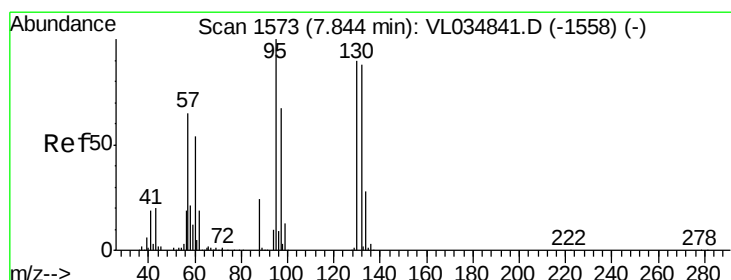
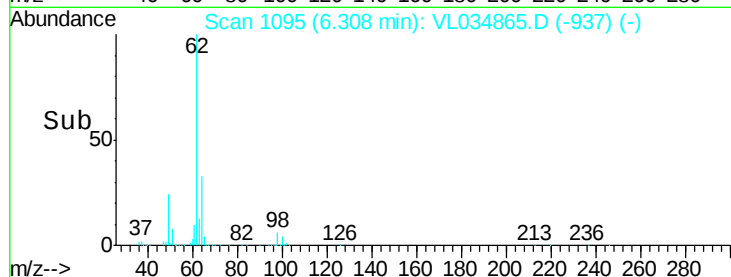
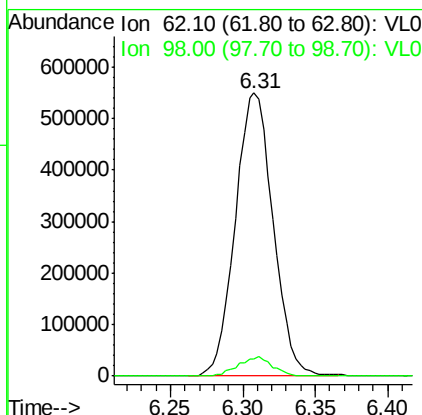
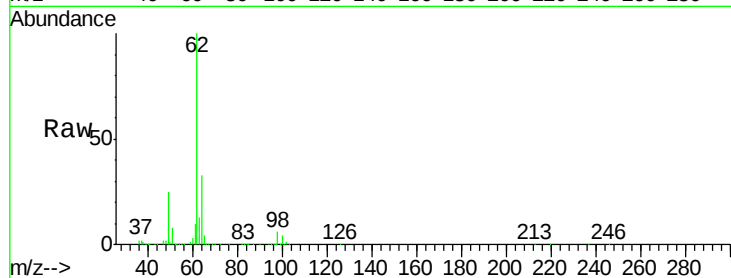
#37
 1,2-Dichloroethane
 Concen: 9.920 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	998978		
98	6.3		5.2	7.8

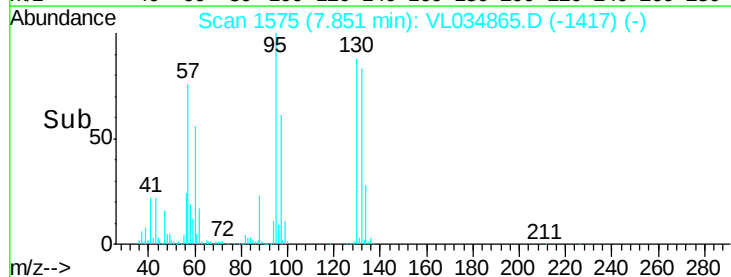
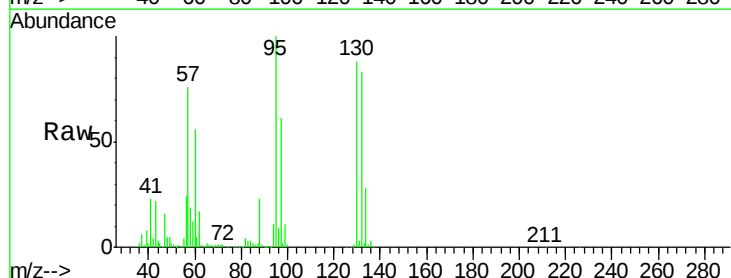
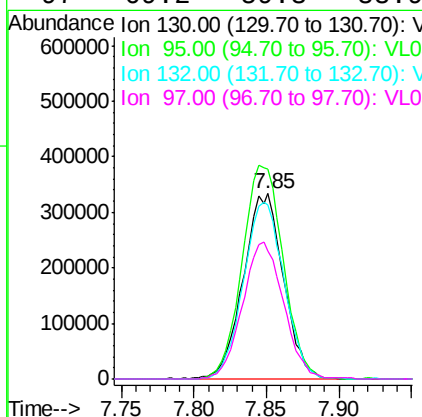
Manual Integrations
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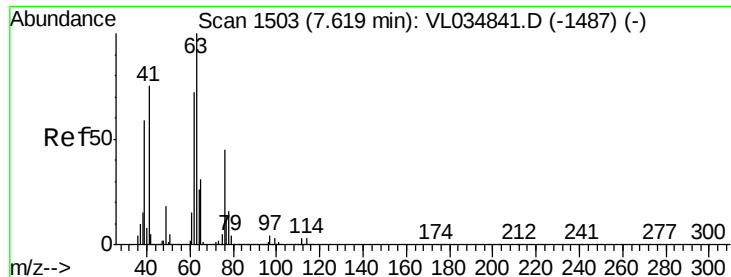
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 3/11/2020 3:17:15 PM



#38
 Trichloroethene
 Concen: 9.428 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	639462		
95	113.3		88.5	132.7
132	93.9		78.0	117.0
97	69.2		59.3	88.9





#39

1,2-Dichloropropane

Concen: 9.456 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

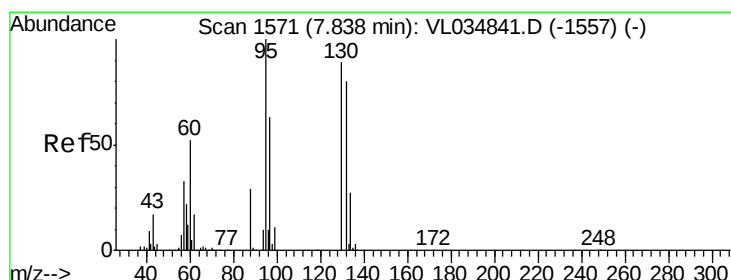
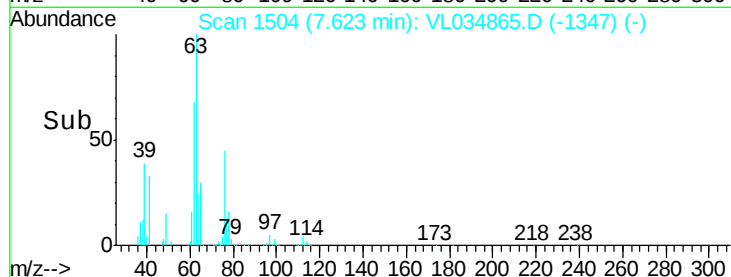
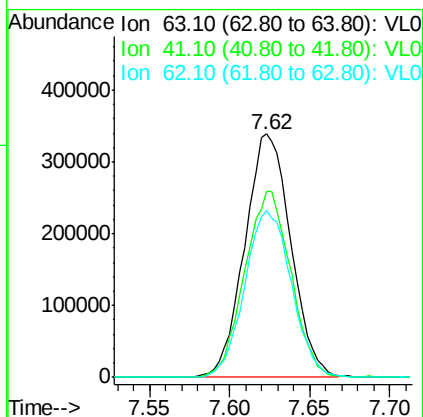
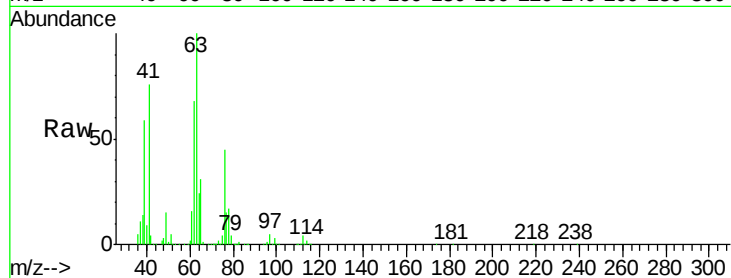
ClientSampleId :

VL0310ABS01

Tot Ion:	63	Resp:	669059
Ion Ratio	Lower	Upper	
63	100		
41	76.1	59.8	89.8
62	68.3	57.6	86.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.803 ppbv m

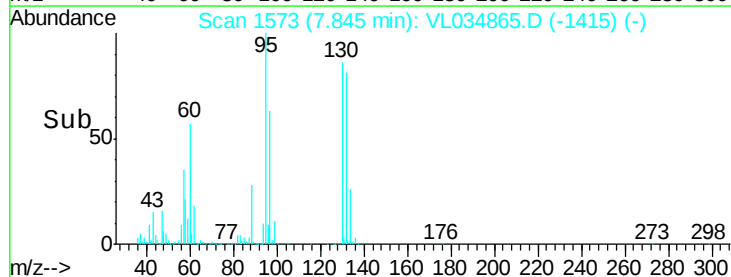
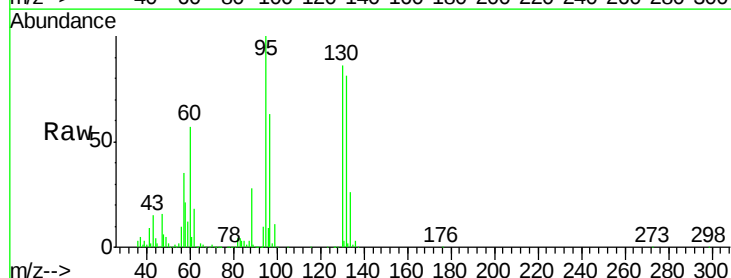
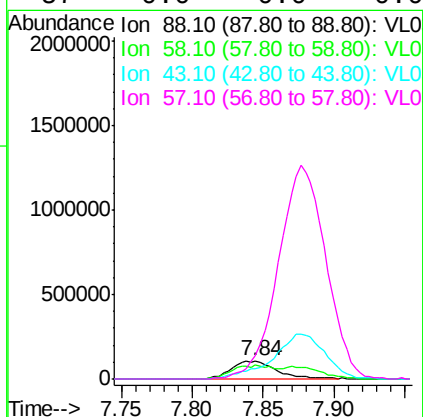
RT: 7.84 min Scan# 1573

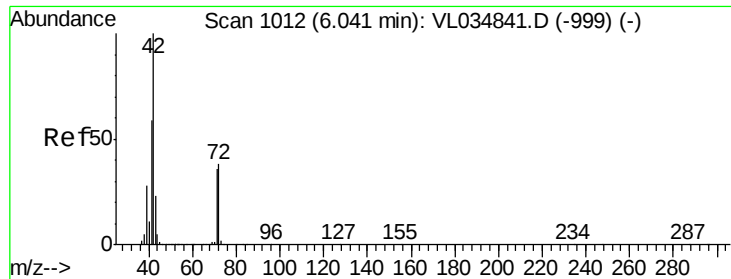
Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Tgt Ion:	88	Resp:	235227
Ion Ratio	Lower	Upper	
88	100		
58	131.7	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





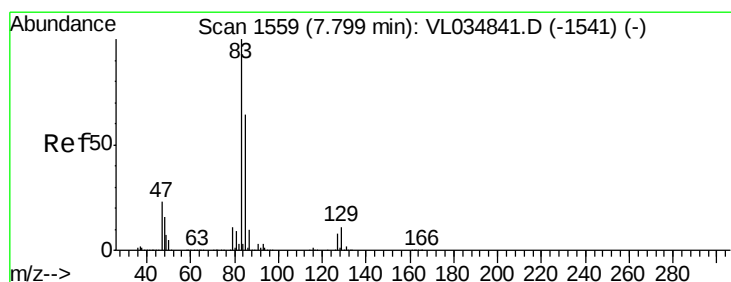
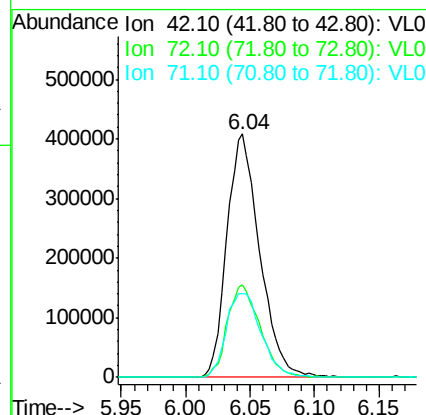
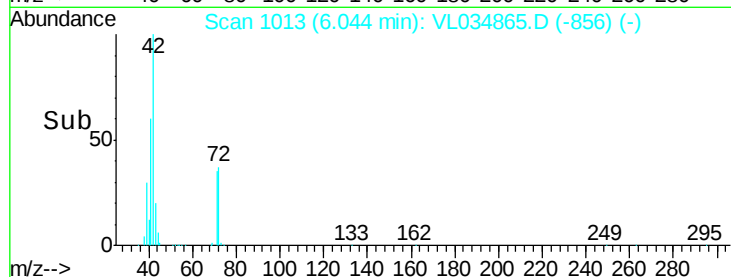
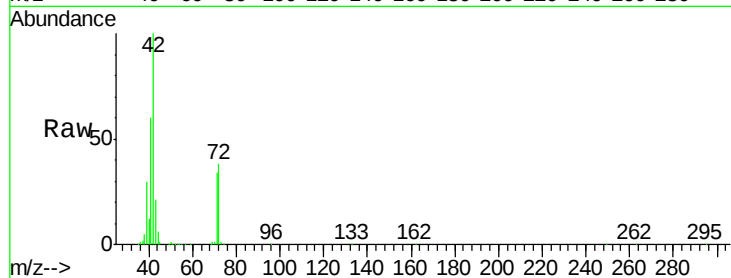
#41
Tetrahydrofuran
Concen: 9.981 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.8	46.2
71	37.0	30.1	45.1

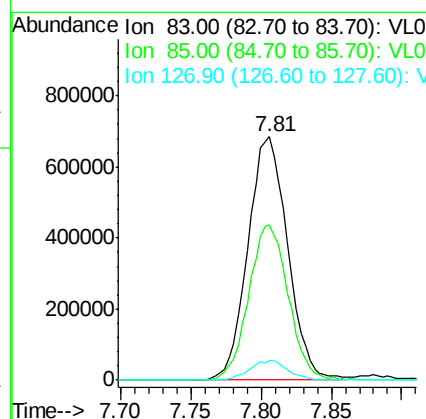
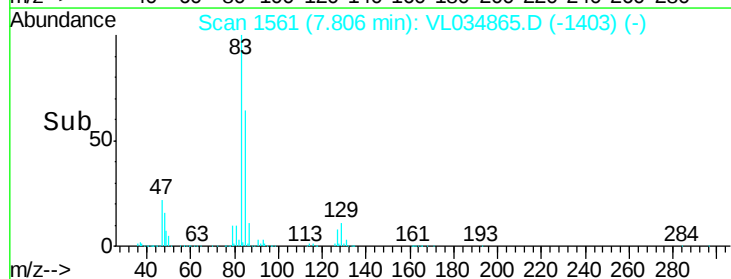
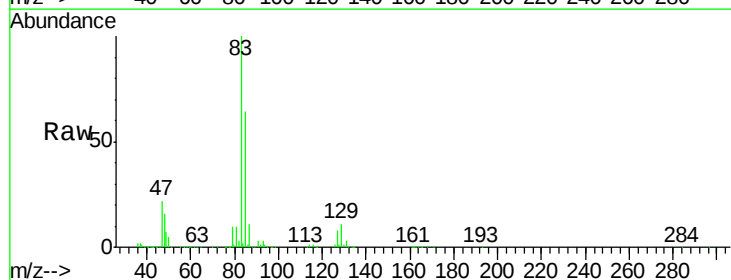
Manual Integrations
APPROVED

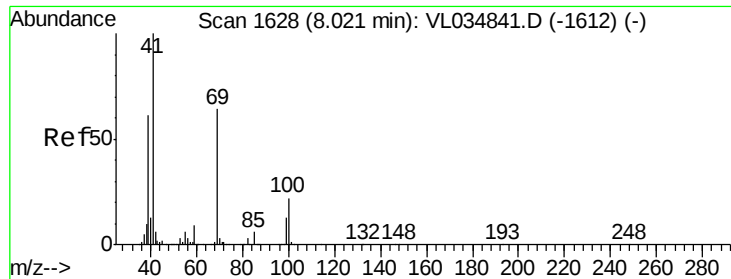
MMDadoda
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#42
Bromodichloromethane
Concen: 9.838 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2
127	7.9	6.2	9.4





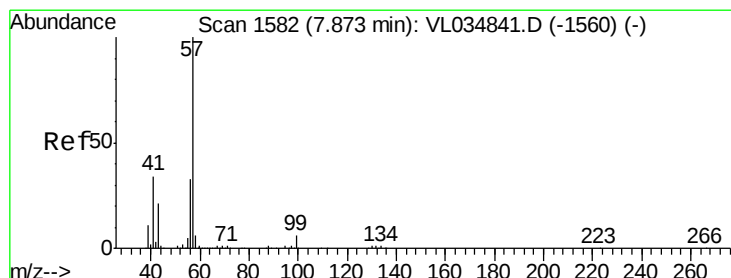
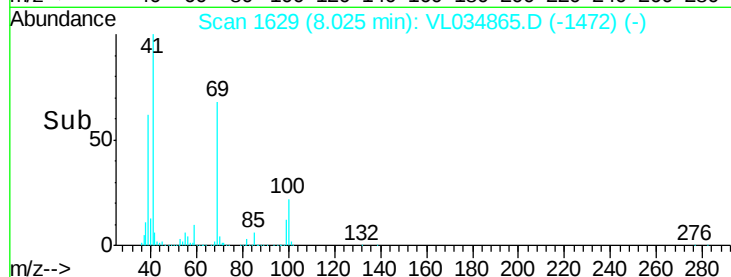
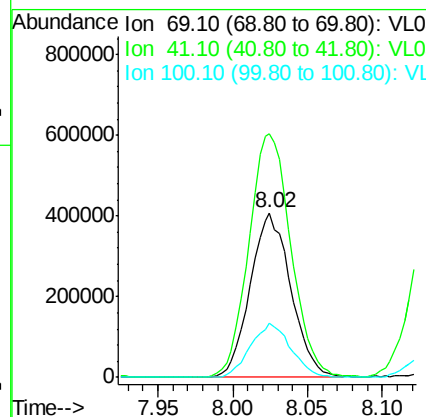
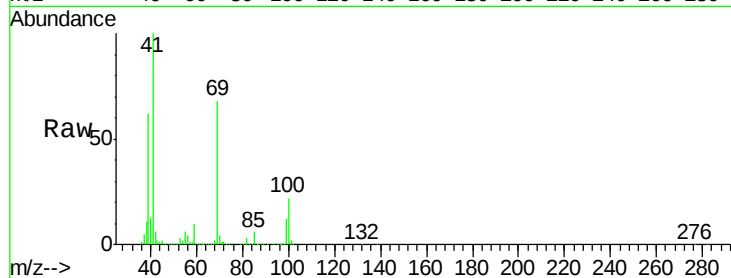
#43
Methvl Methacrilate
Concen: 10.227 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.5	123.2	184.8	
100	32.6	26.9	40.3	

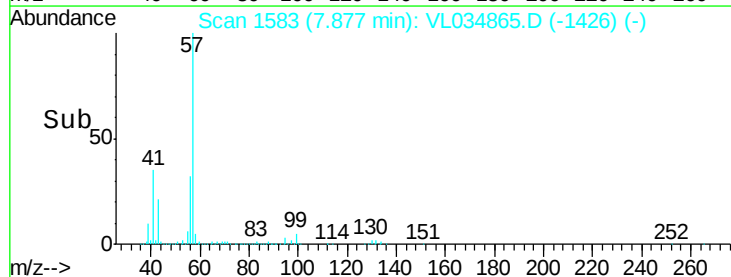
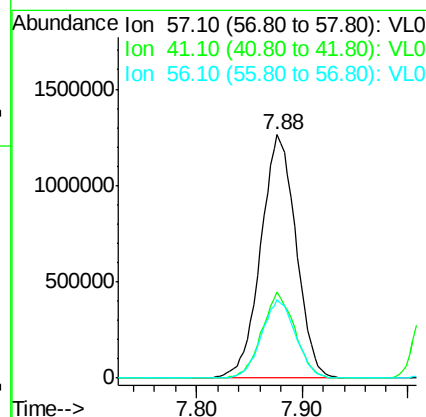
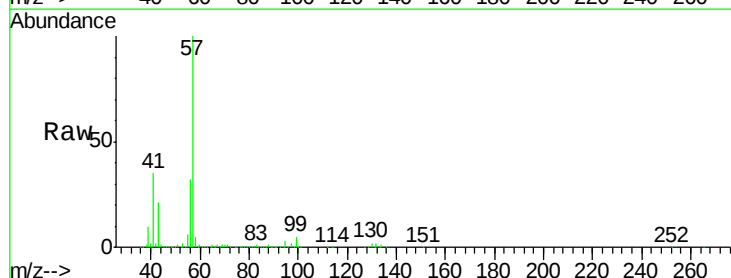
Manual Integrations
APPROVED

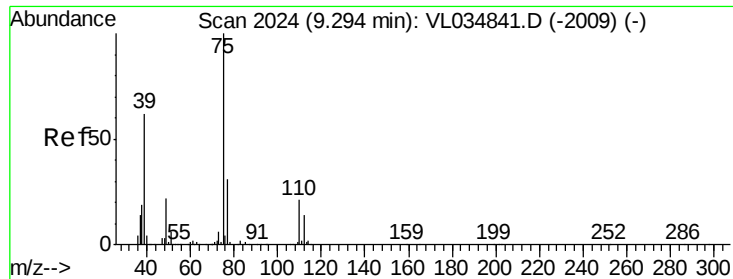
MMDadoda
3/11/2020 3:17:15 PM



#44
2,2,4-Trimethylpentane
Concen: 9.733 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	26.2	39.4	
56	31.2	25.0	37.4	





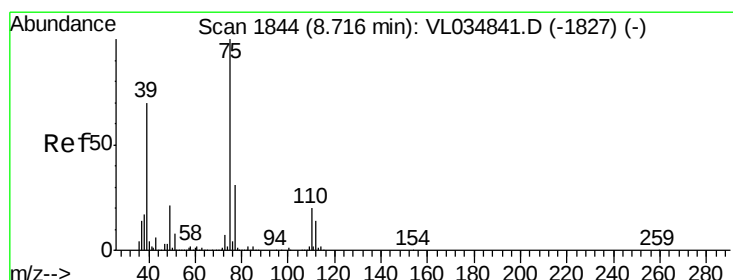
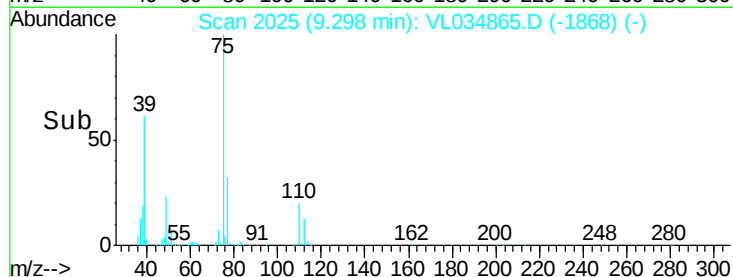
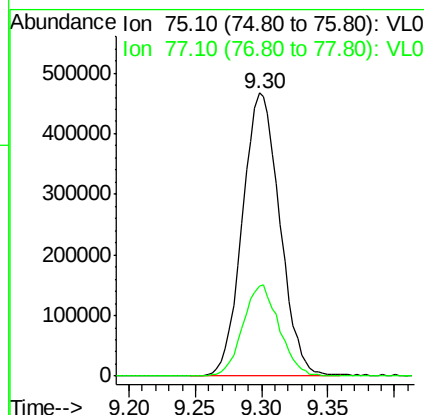
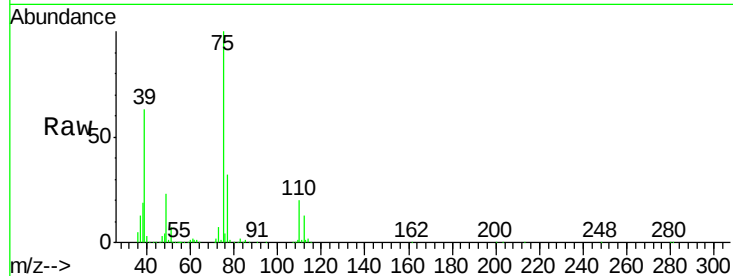
#45
t-1,3-Dichloropropene
Concen: 10.360 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion: 75 Resp: 915803
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

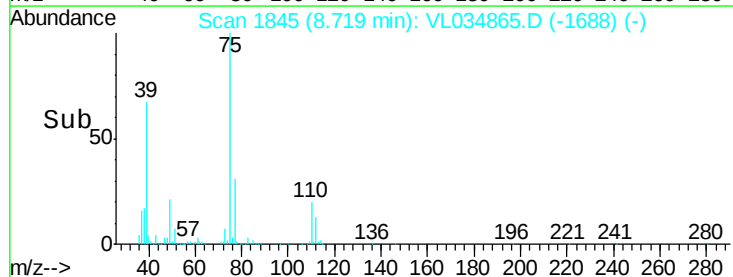
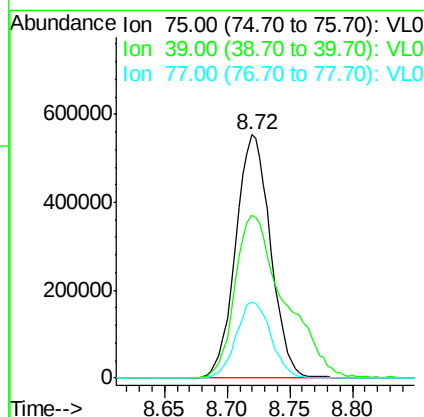
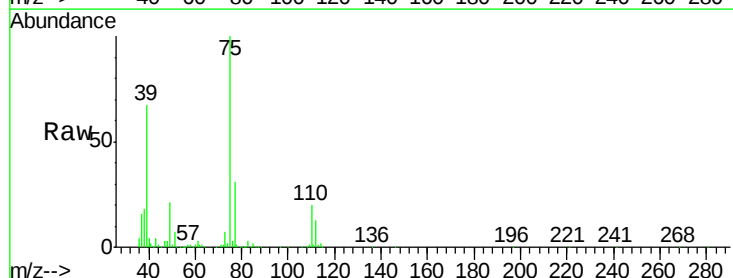
Manual Integrations
APPROVED

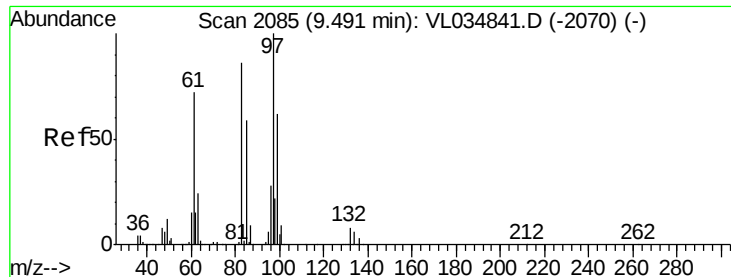
MMDadoda
3/11/2020 3:17:15 PM



#46
cis-1,3-Dichloropropene
Concen: 10.183 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 75 Resp: 1069589
Ion Ratio Lower Upper
75 100
39 67.0 55.7 83.5
77 31.0 24.7 37.1





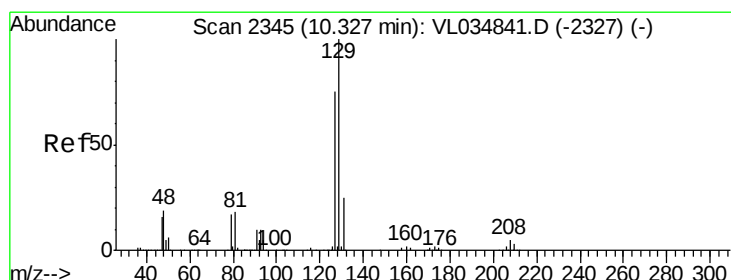
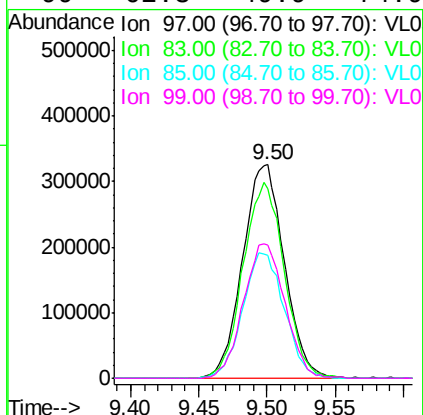
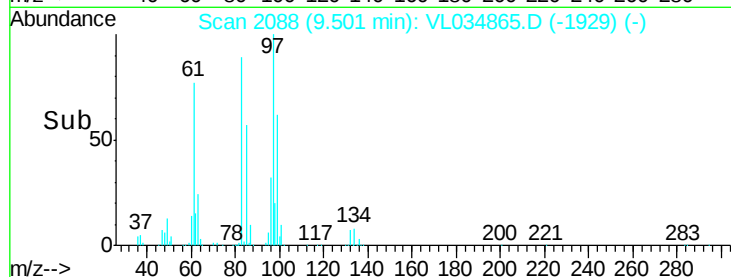
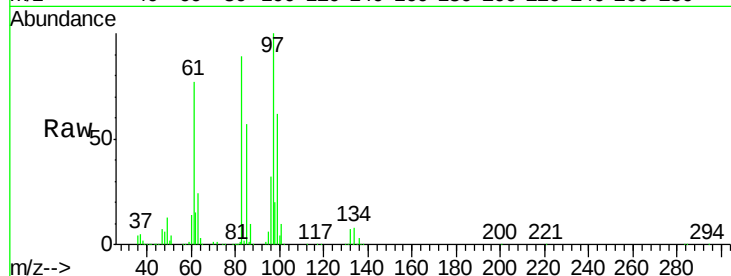
#47
 1,1,2-Trichloroethane
 Concen: 9.539 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.9	68.6	102.8	
85	57.4	46.9	70.3	
99	62.3	49.9	74.9	

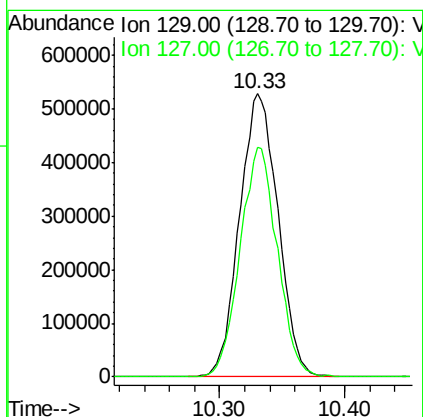
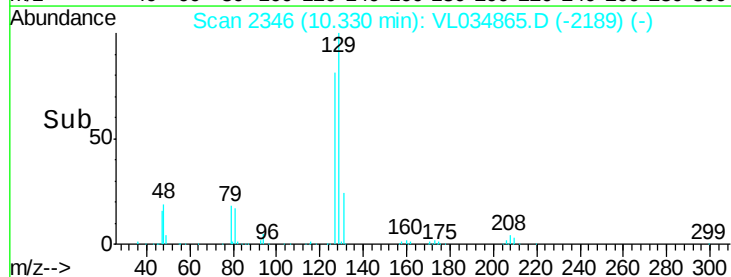
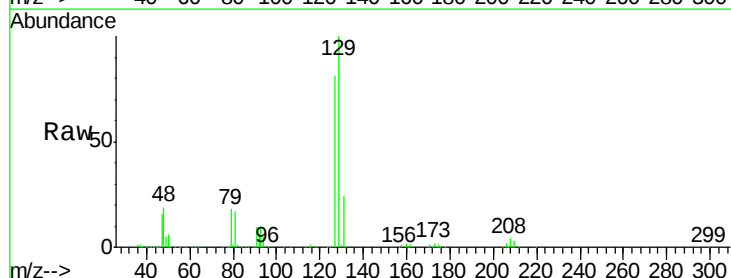
Manual Integrations
 APPROVED

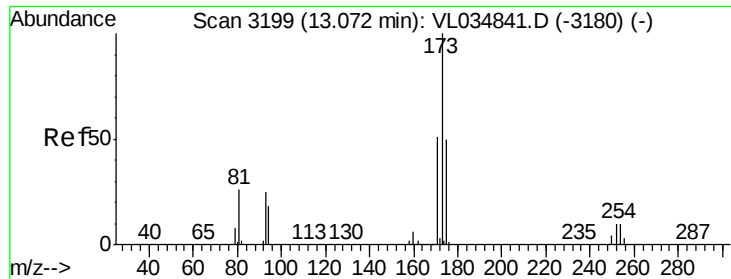
MMDadoda
 3/11/2020 3:17:15 PM



#48
 Dibromochloromethane
 Concen: 9.602 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.4	39.6	118.7	





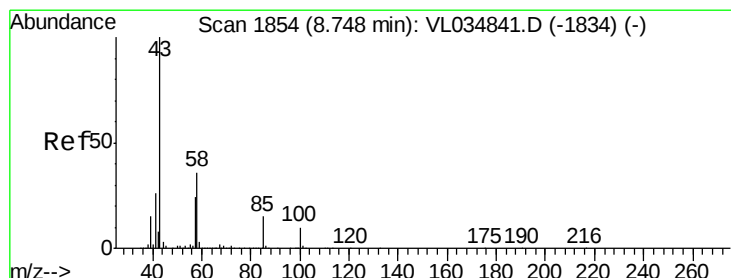
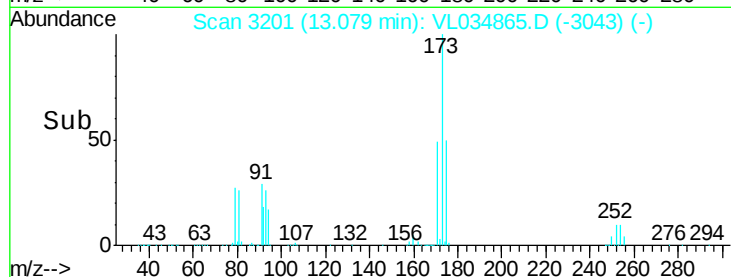
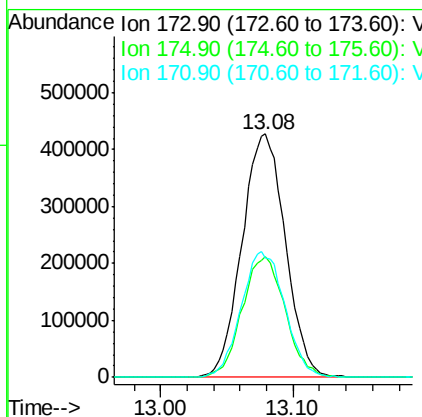
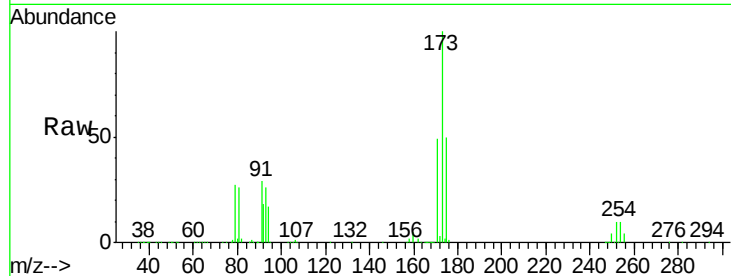
#49
Bromoform
Concen: 9.290 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.6	59.4
171	52.0	41.0	61.6

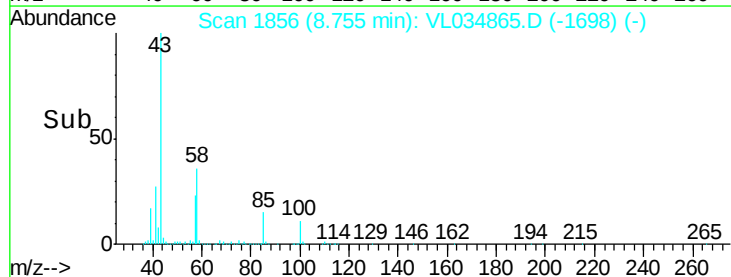
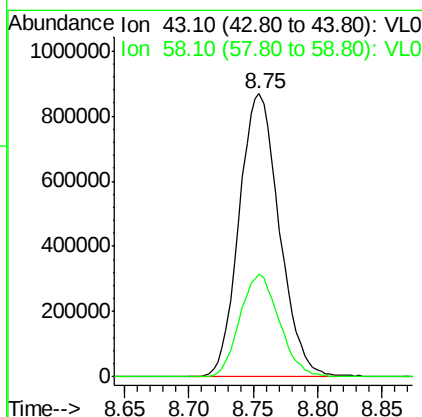
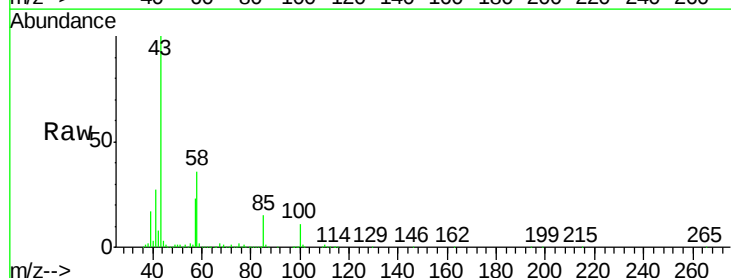
Manual Integrations
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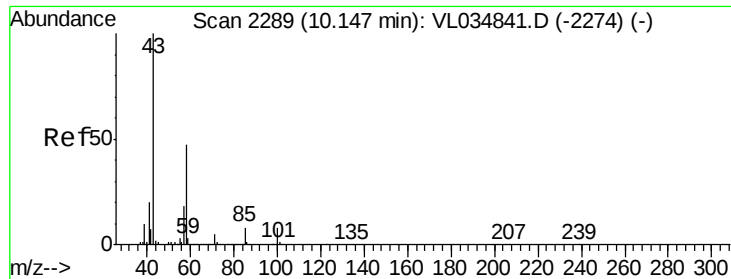
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.817 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8





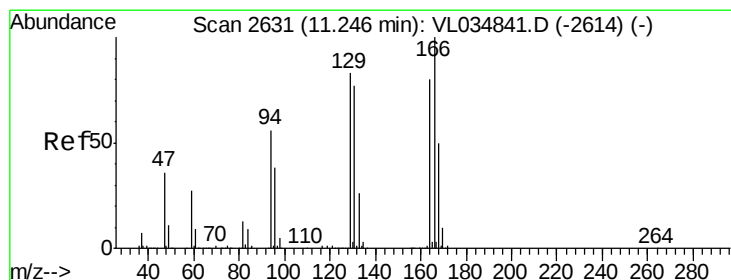
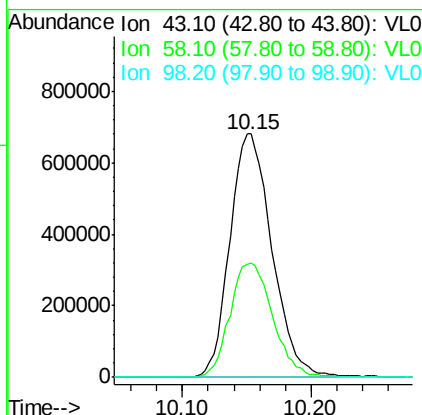
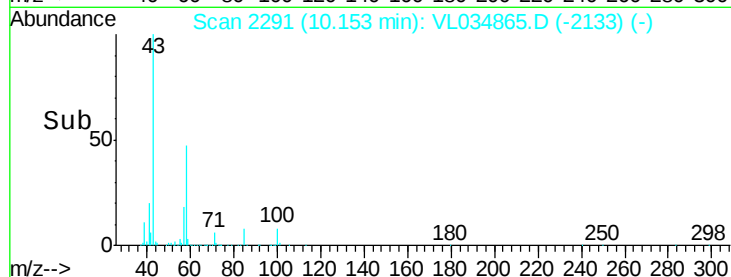
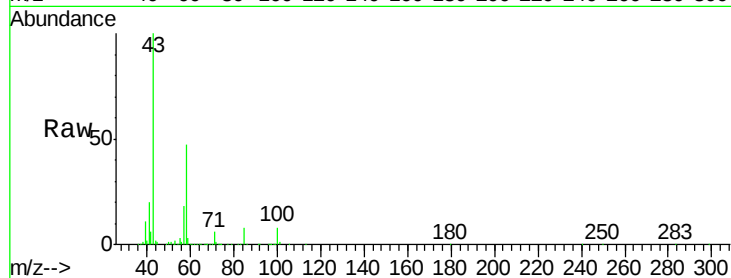
#51
2-Hexanone
Concen: 9.901 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion: 43 Resp: 1542236
Ion Ratio Lower Upper
43 100
58 47.9 38.6 58.0
98 0.2 0.1 0.1#

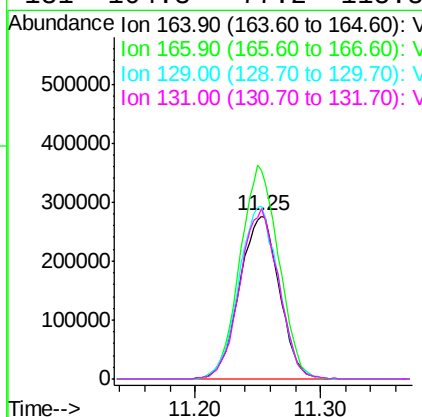
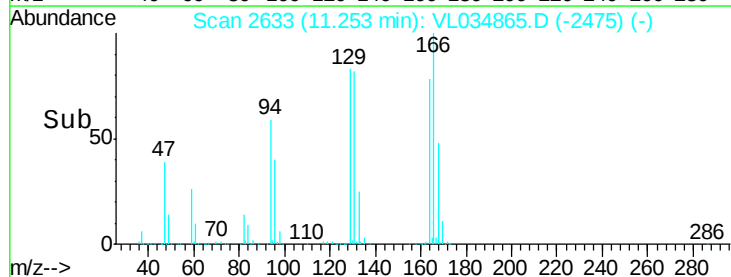
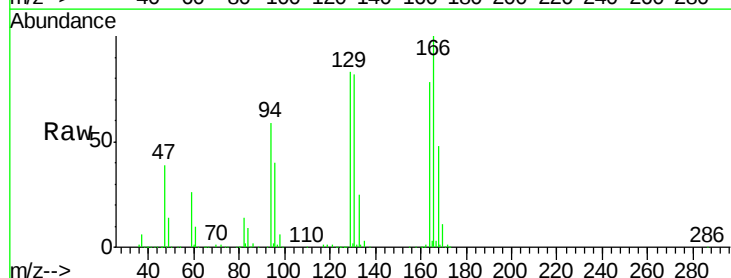
Manual Integrations
APPROVED

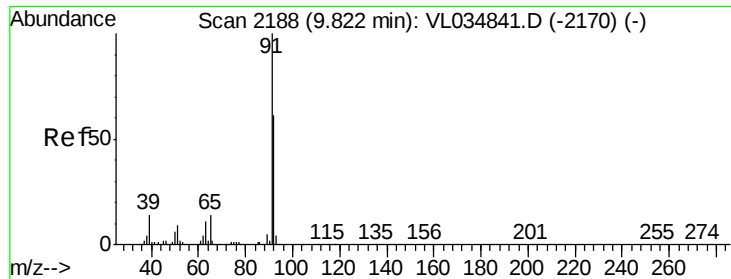
MMDadoda
3/11/2020 3:17:15 PM



#52
Tetrachloroethene
Concen: 8.598 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion:164 Resp: 607470
Ion Ratio Lower Upper
164 100
166 127.8 100.0 150.0
129 105.7 83.1 124.7
131 104.3 77.2 115.8





#53

Toluene

Concen: 9.535 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 91 Resp: 1966414

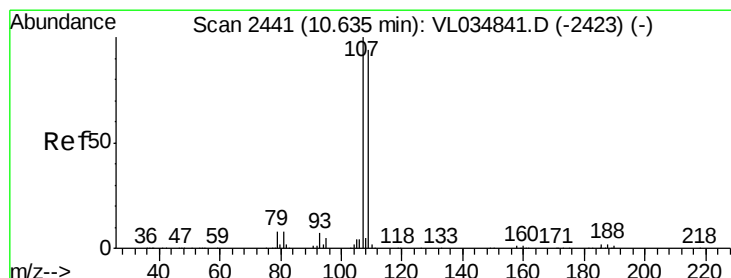
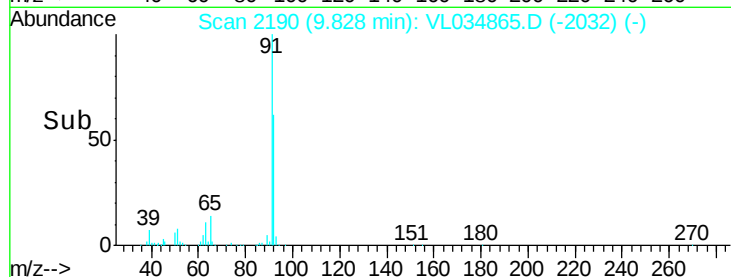
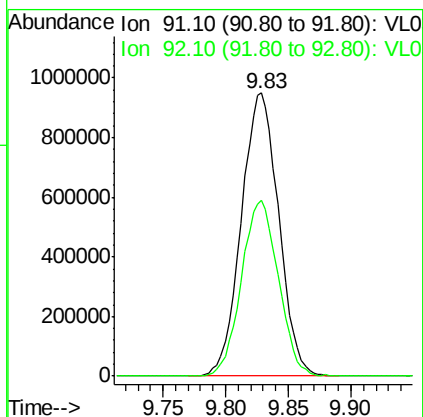
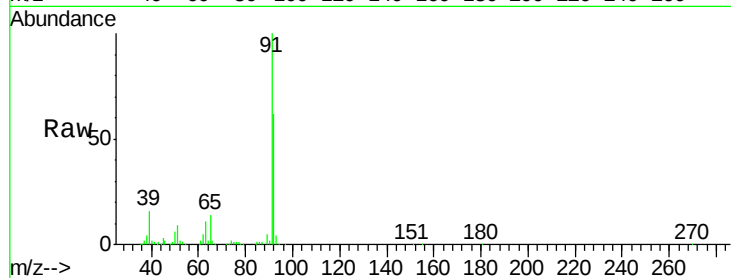
Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8

Manual Integrations
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3/11/2020 3:17:15 PM



#54

1,2-Dibromoethane

Concen: 9.515 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL034865.D

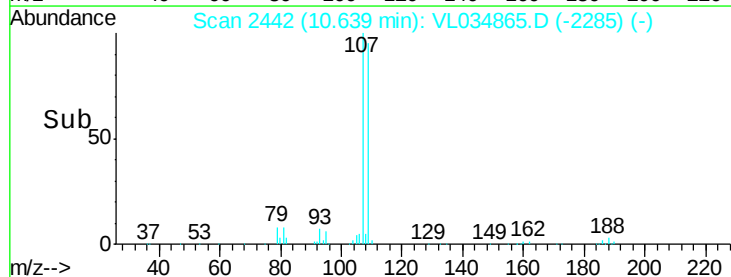
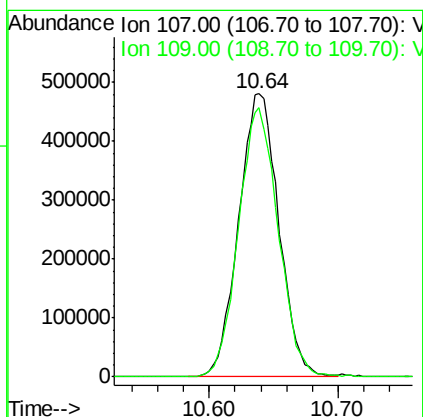
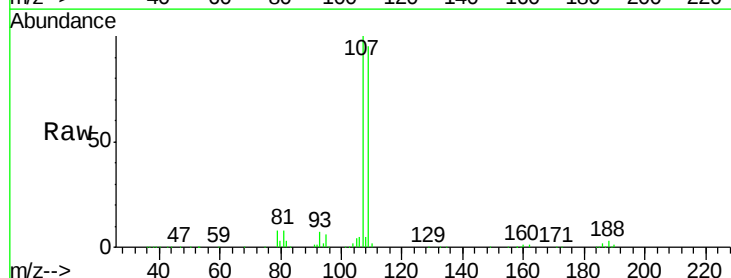
Acq: 10 Mar 2020 13:42

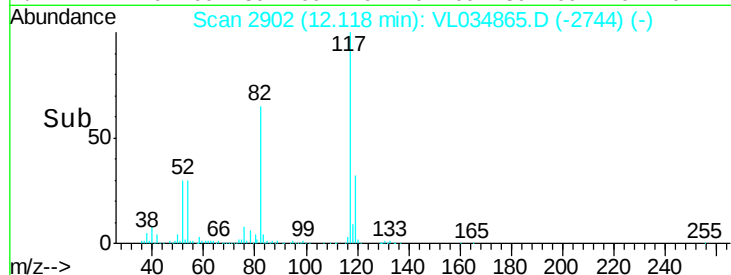
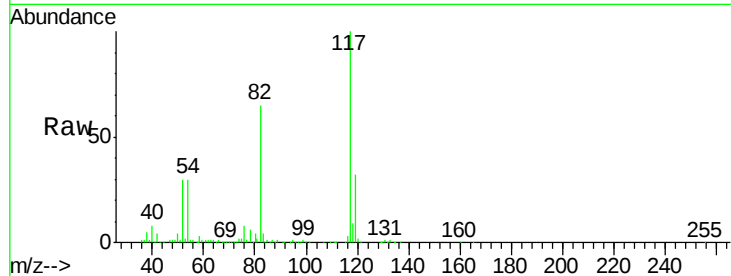
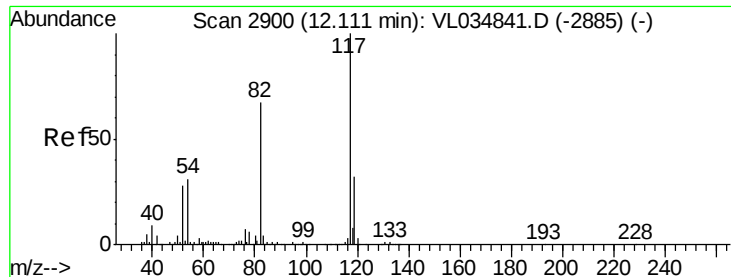
Tgt Ion: 107 Resp: 1040055

Ion Ratio Lower Upper

107 100

109 95.2 74.9 112.3





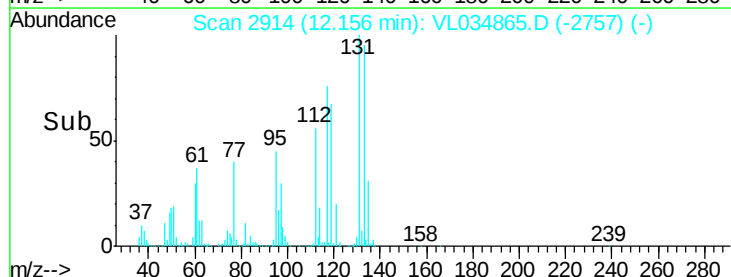
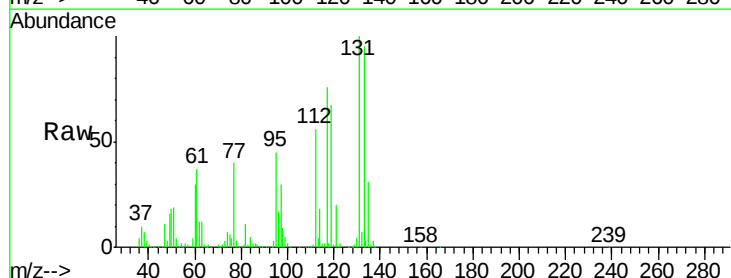
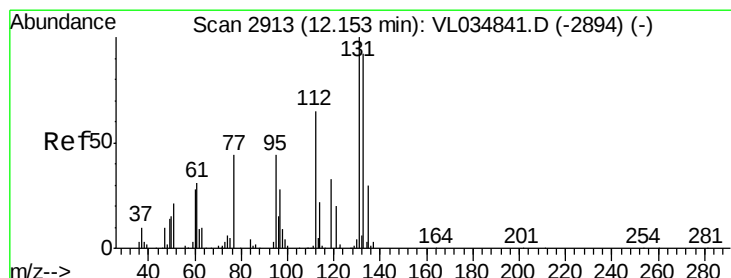
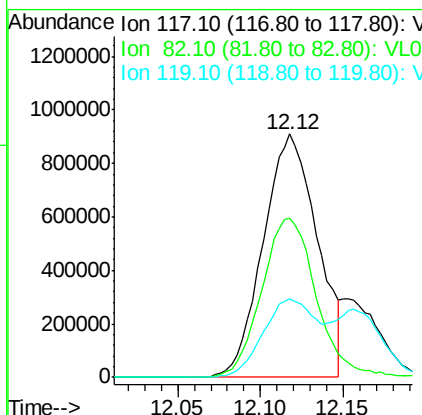
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tot Ion:117 Resp: 2068275
Ion Ratio Lower Upper
117 100
82 66.1 51.1 76.7
119 34.7 27.3 40.9

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

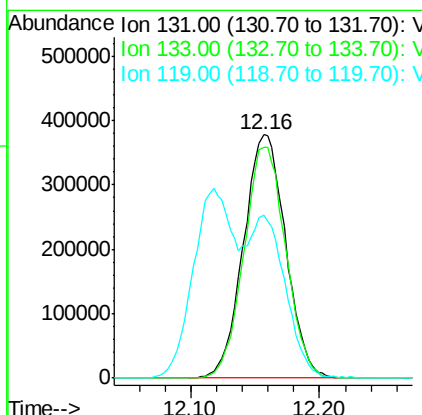
Manual Integrations
APPROVED

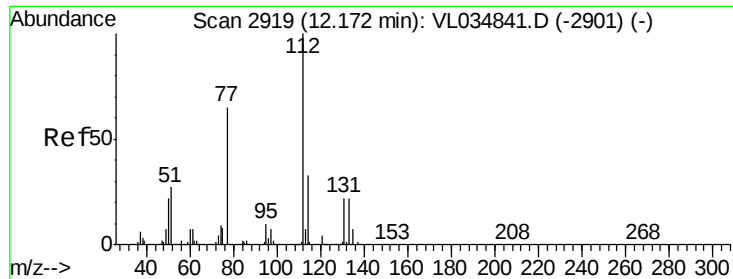
MMDadoda
3/11/2020 3:17:15 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.254 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion:131 Resp: 859789
Ion Ratio Lower Upper
131 100
133 94.6 76.0 114.0
119 58.6 47.8 71.8





#57

Chlorobenzene

Concen: 8.994 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 112 Resp: 1455470

Ion Ratio Lower Upper

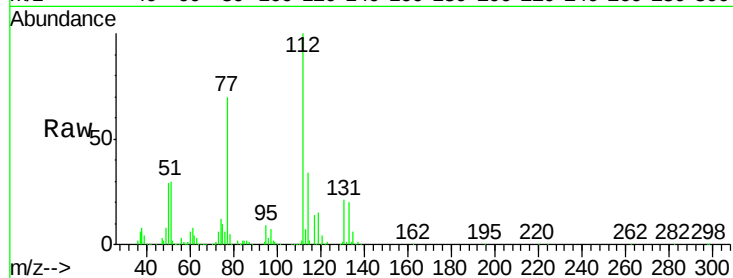
112 100

77 69.6 53.0 79.6

114 34.0 29.5 36.1

Manual Integrations
APPROVED

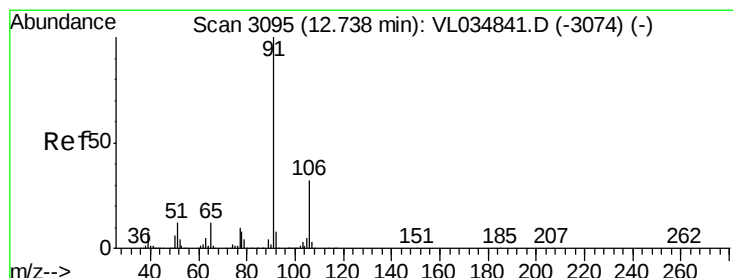
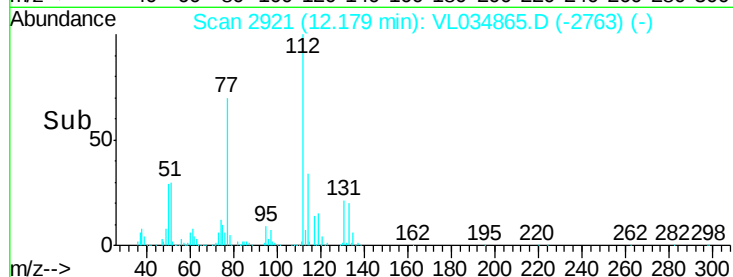
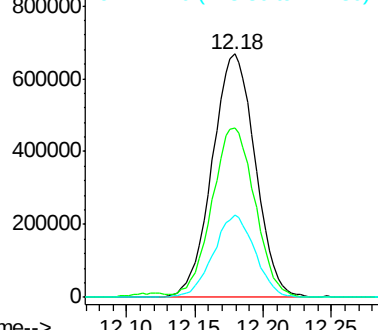
MMDadoda
3/11/2020 3:17:15 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.348 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.00 min

Lab File: VL034865.D

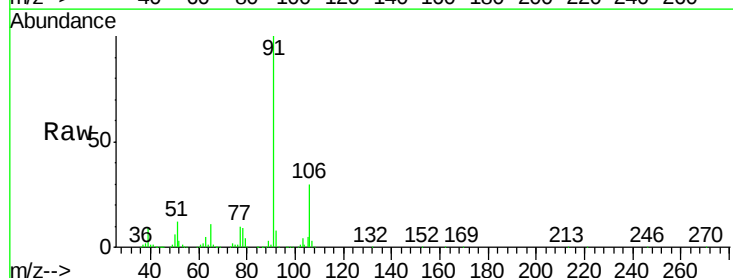
Acq: 10 Mar 2020 13:42

Tgt Ion: 91 Resp: 2618282

Ion Ratio Lower Upper

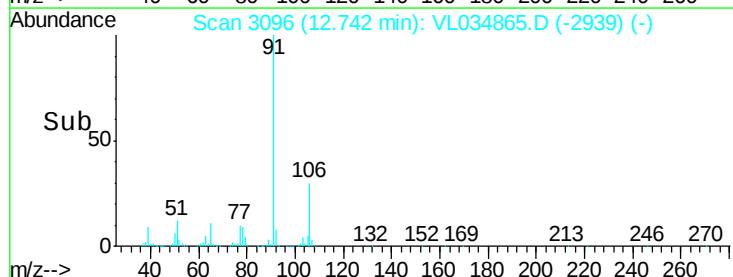
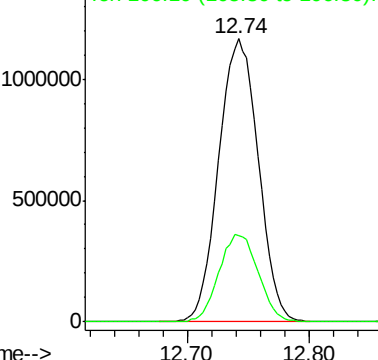
91 100

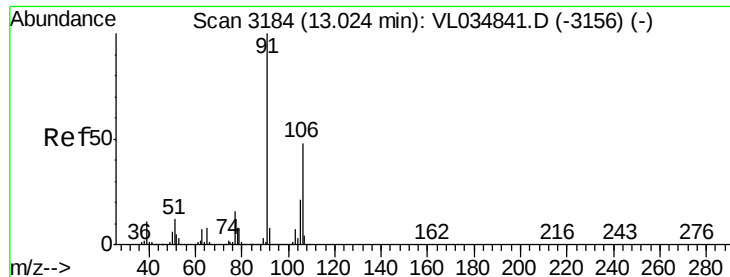
106 30.4 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





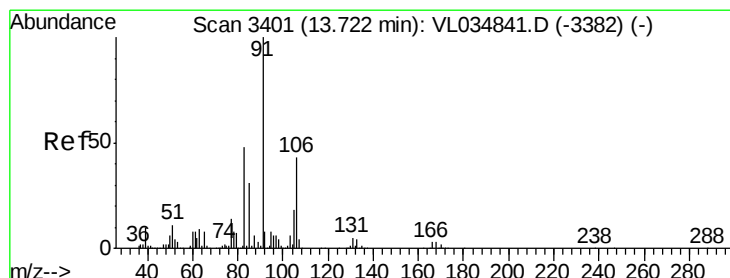
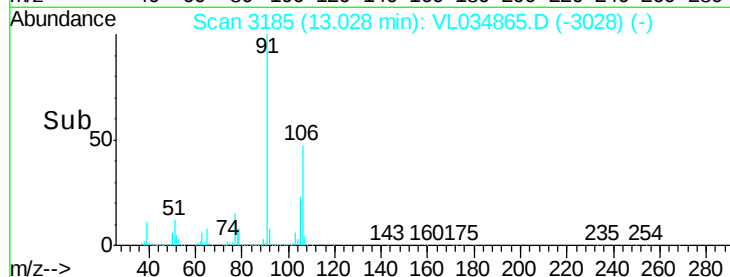
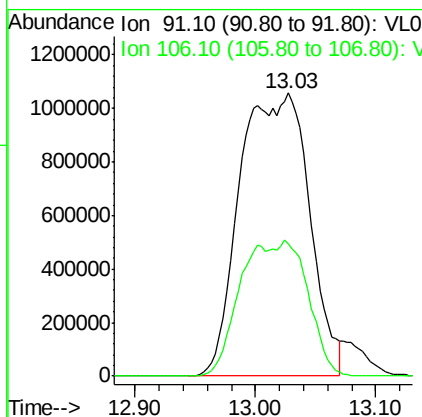
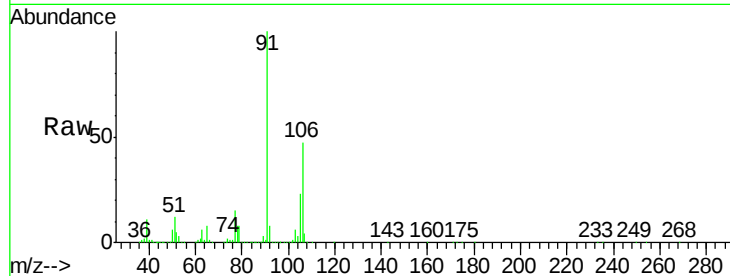
#59
m/p-Xylene
Concen: 18.036 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion: 91 Resp: 4232371
Ion Ratio Lower Upper
91 100
106 46.4 37.1 55.7

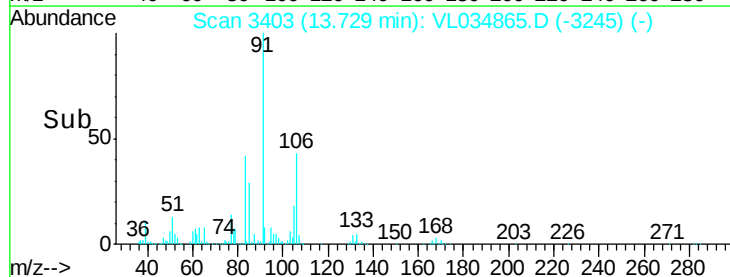
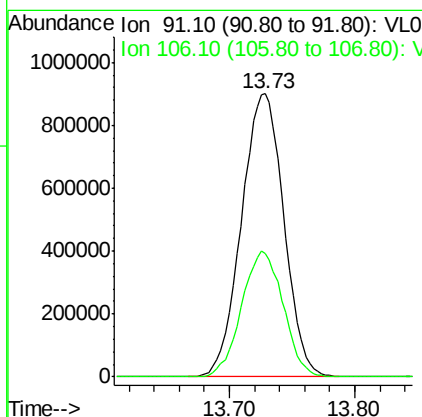
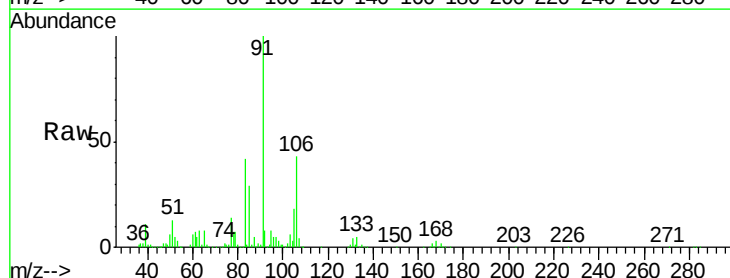
Manual Integrations
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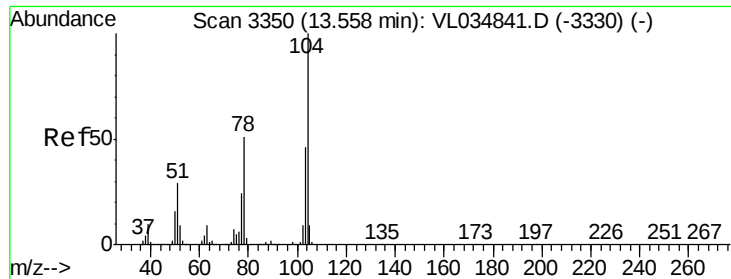
MMDadoda
3/11/2020 3:17:15 PM



#60
o-Xylene
Concen: 9.203 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion: 91 Resp: 2108627
Ion Ratio Lower Upper
91 100
106 43.7 22.5 67.5





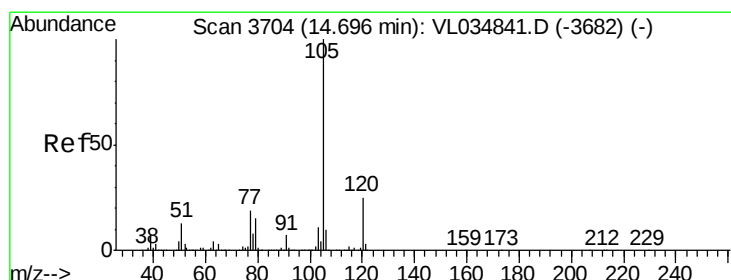
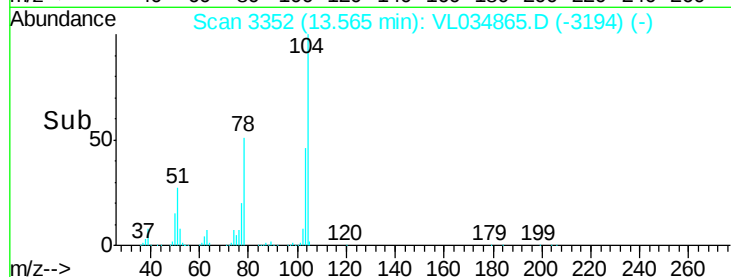
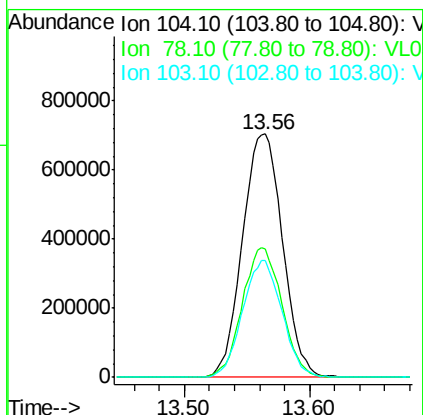
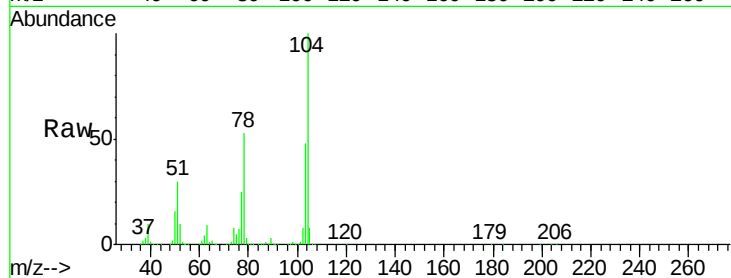
#61
Stvrene
Concen: 9.748 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.8	62.6
103	47.2	37.8	56.6

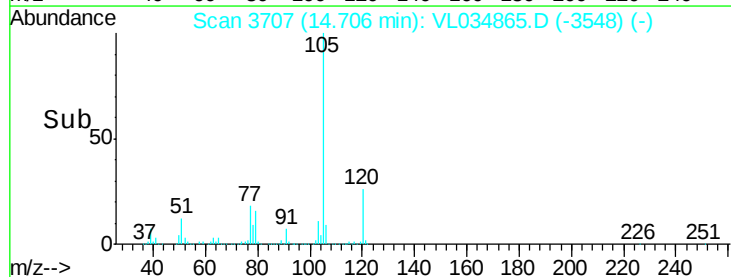
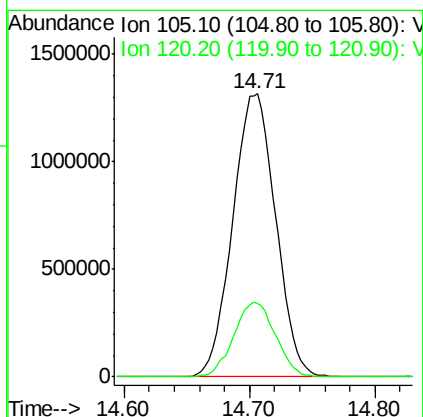
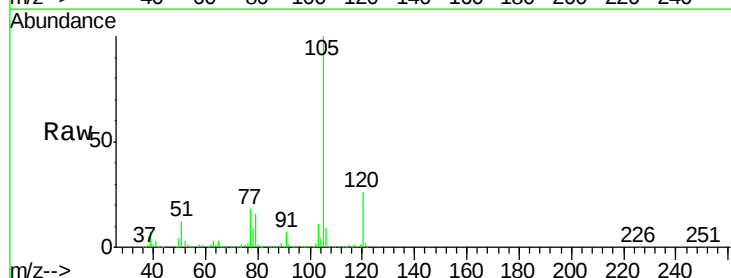
Manual Integrations
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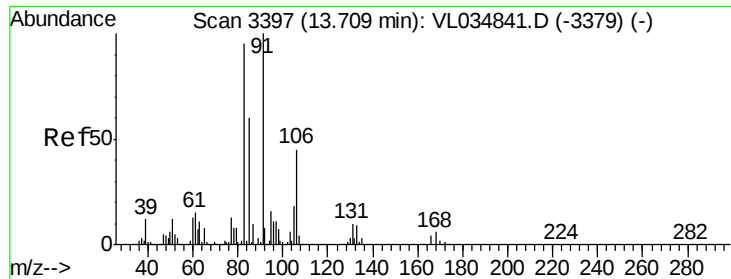
MMDadoda
3/11/2020 3:17:15 PM



#62
Isopropylbenzene
Concen: 9.003 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.088 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion: 83 Resp: 1413617

Ion Ratio Lower Upper

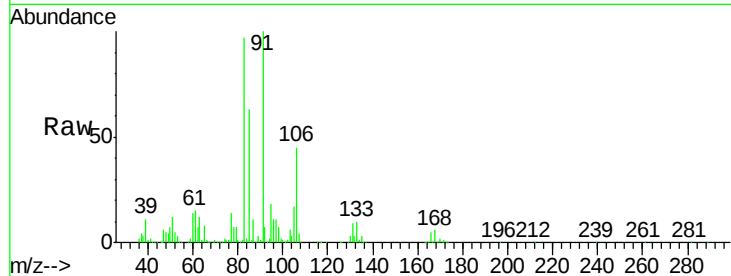
83 100

131 9.3 5.0 14.9

85 65.9 32.4 97.2

Manual Integrations
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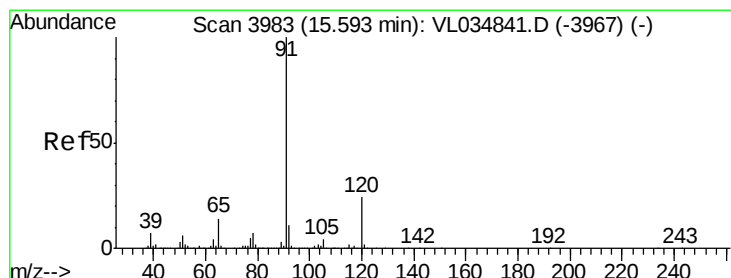
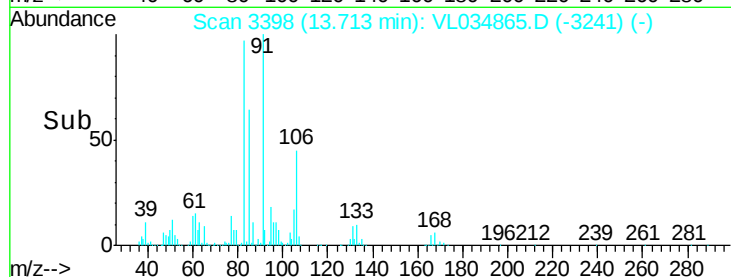
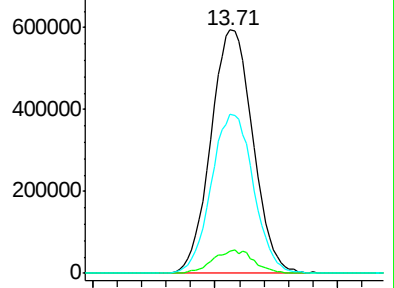
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.988 ppbv

RT: 15.60 min Scan# 3986

Delta R.T. 0.01 min

Lab File: VL034865.D

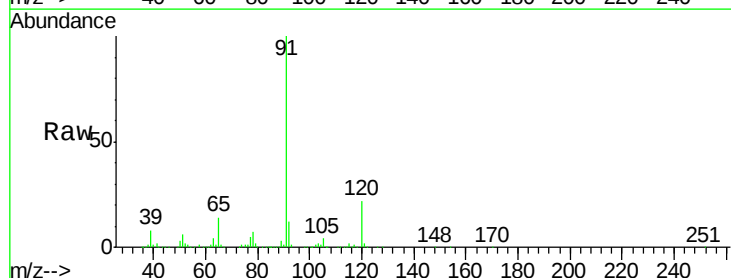
Acq: 10 Mar 2020 13:42

Tgt Ion: 120 Resp: 810384

Ion Ratio Lower Upper

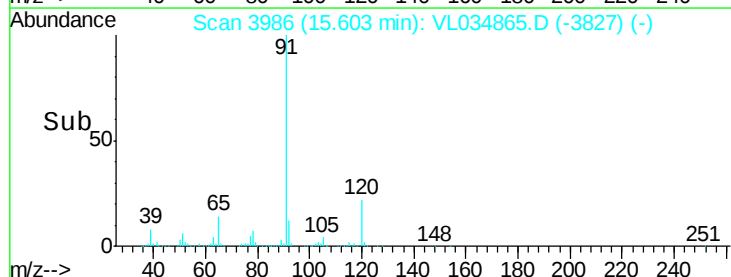
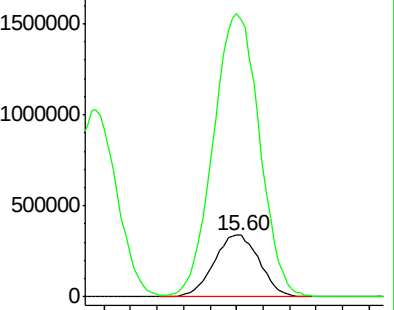
120 100

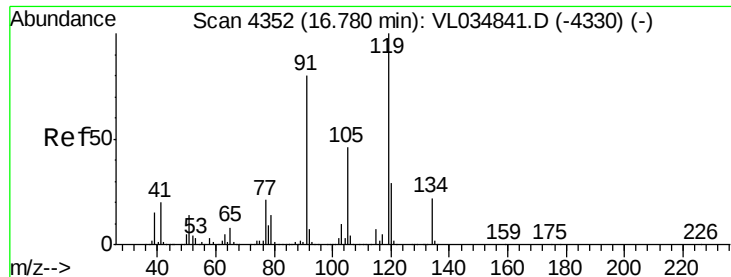
91 467.2 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





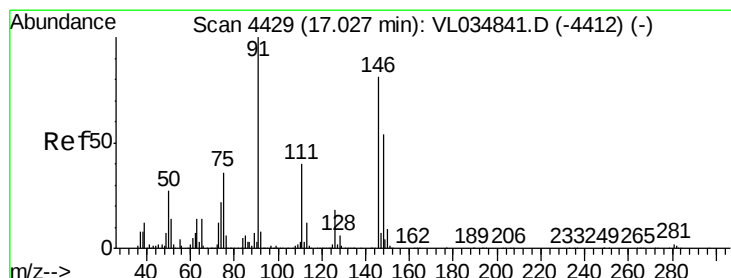
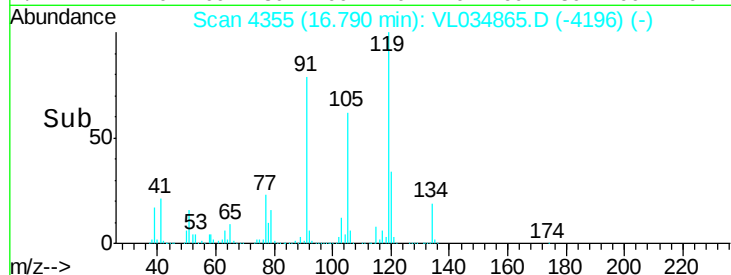
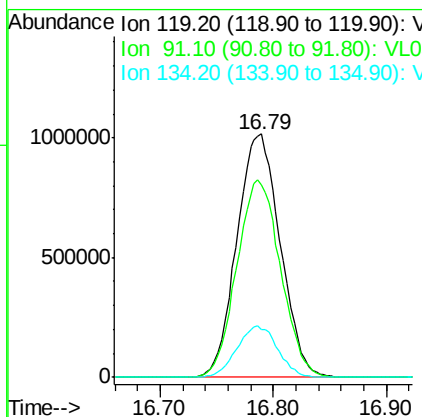
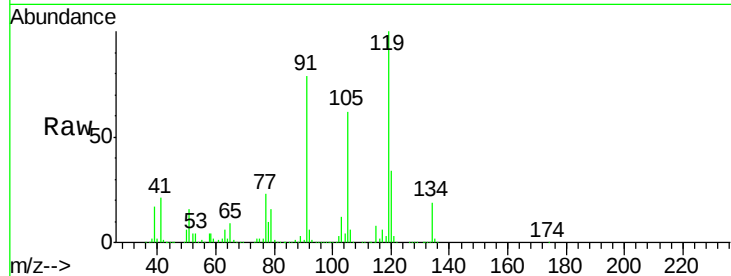
#65
tert-Butylbenzene
Concen: 8.927 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.0	64.9	97.3
134	19.8	15.9	23.9

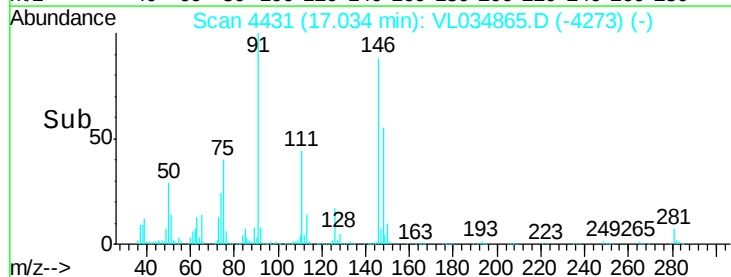
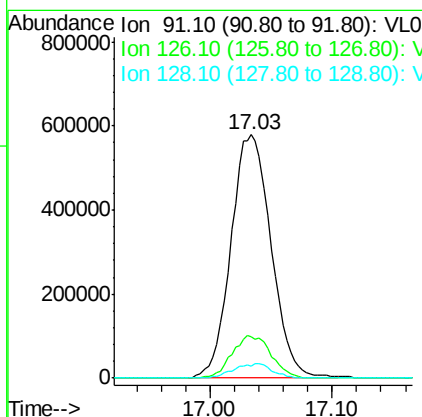
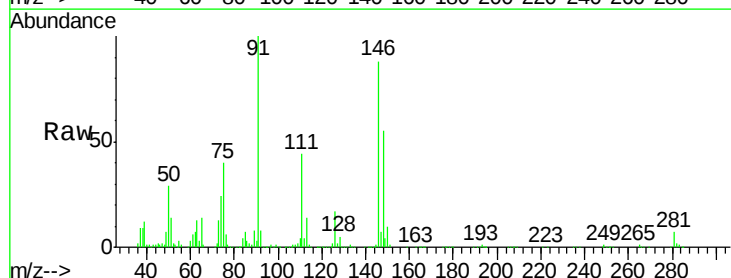
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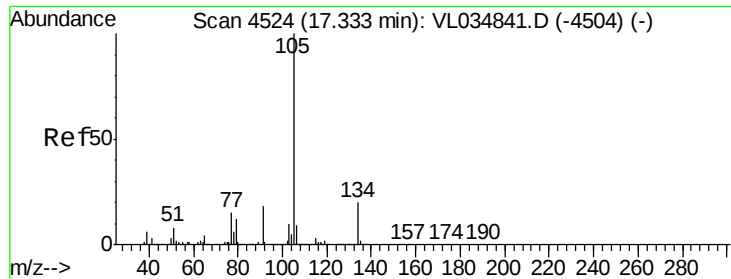
MMDadoda
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#66
Benzyl Chloride
Concen: 10.392 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.2	14.7	22.1
128	5.7	4.7	7.1





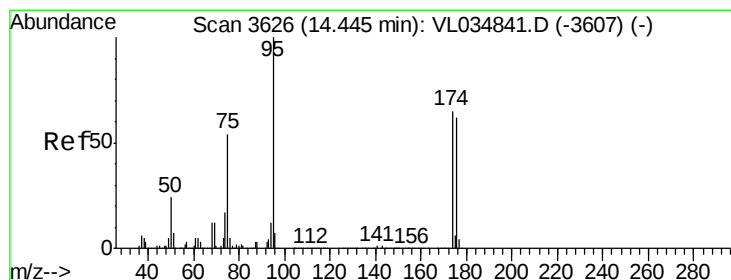
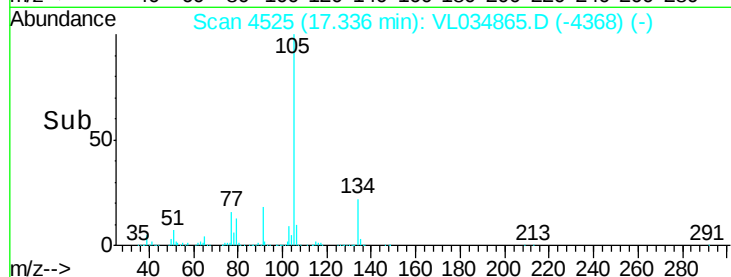
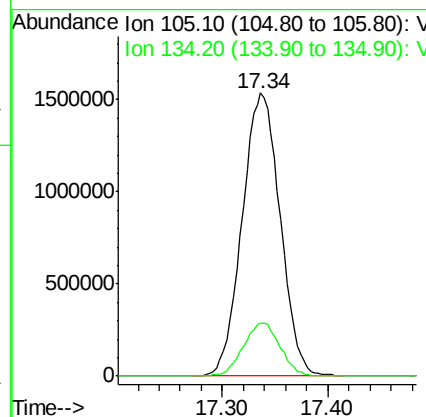
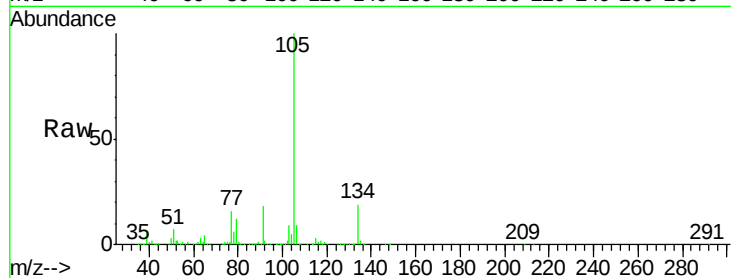
#67
 sec-Butylbenzene
 Concen: 9.150 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion:105 Resp: 3842473
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6

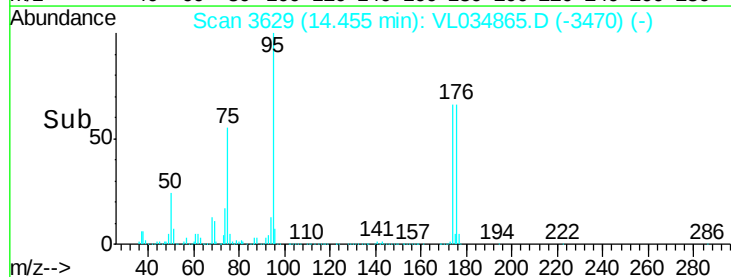
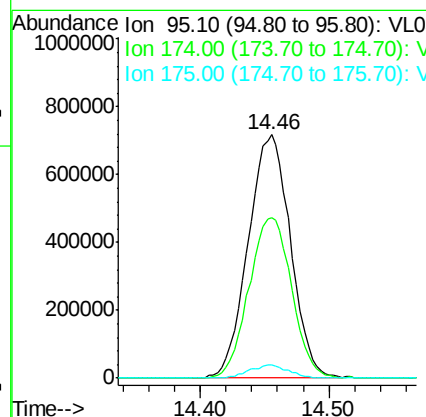
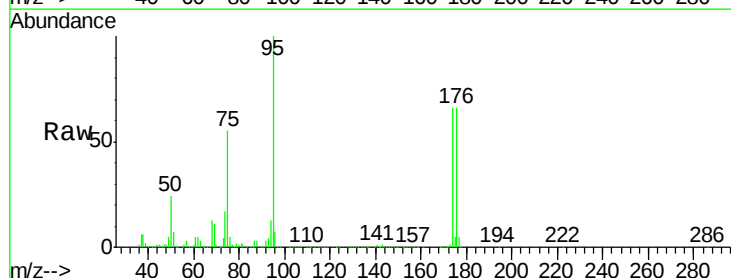
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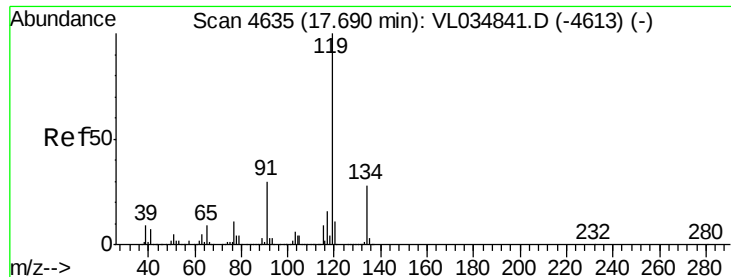
MMDadoda
 3/11/2020 3:17:15 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.161 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 95 Resp: 1638927
 Ion Ratio Lower Upper
 95 100
 174 67.0 55.2 82.8
 175 5.1 4.3 6.5





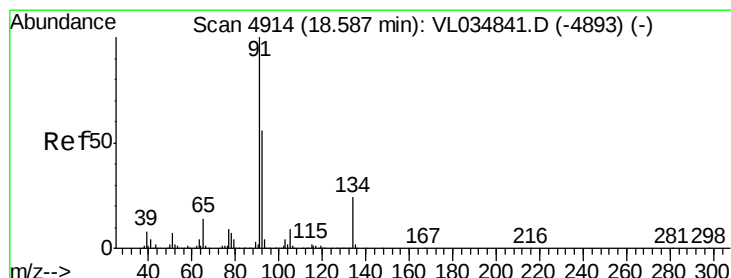
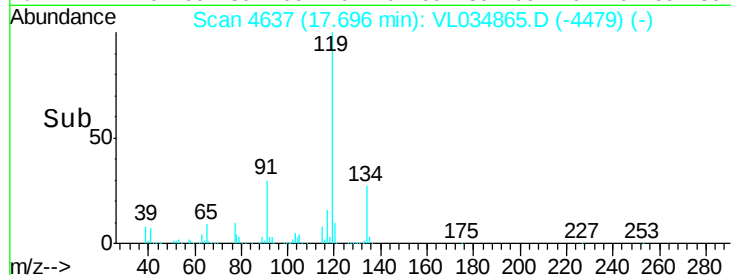
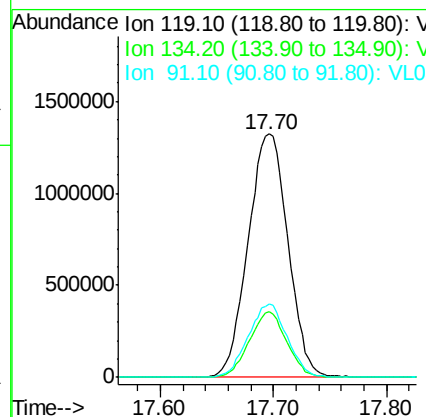
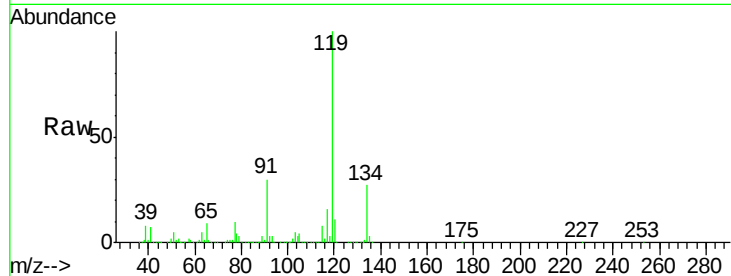
#69
 p-Isopropyltoluene
 Concen: 9.191 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.5	23.4	35.2

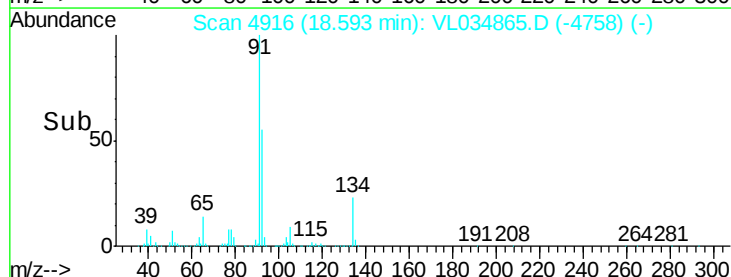
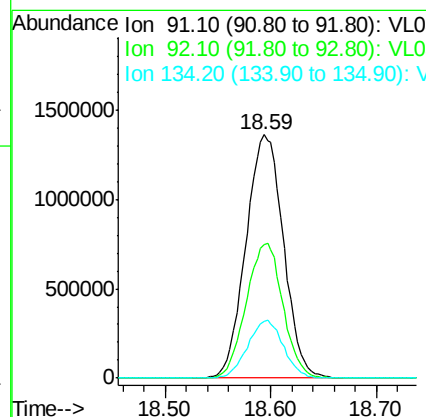
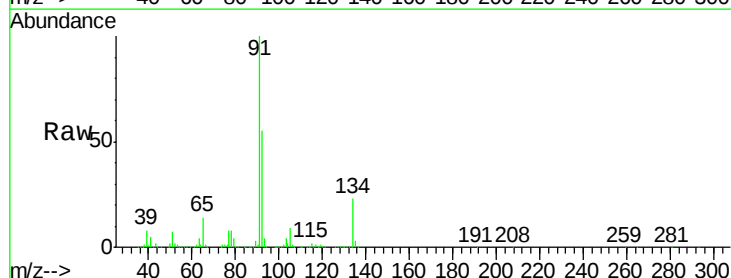
Manual Integrations
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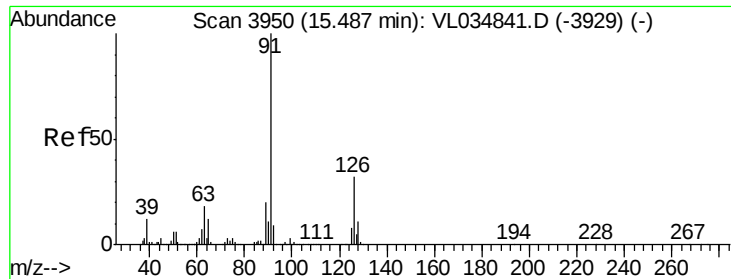
MMDadoda
 3/11/2020 3:17:15 PM



#70
 n-Butylbenzene
 Concen: 9.369 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.6
134	22.8	19.0	28.4





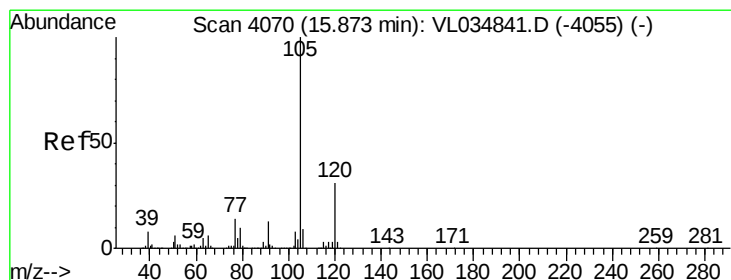
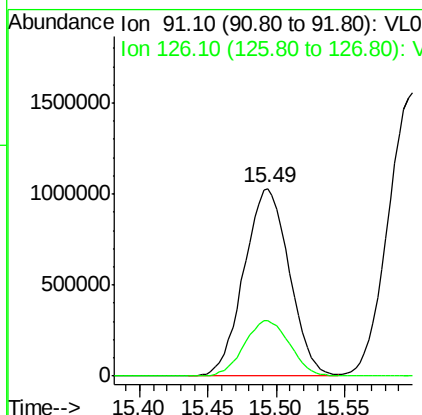
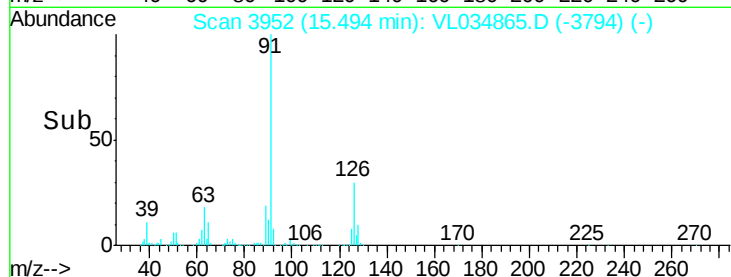
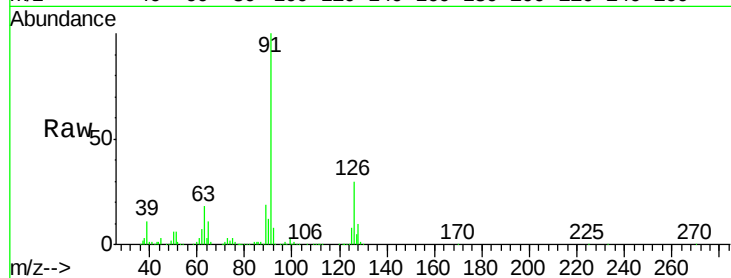
#71
 2-Chlorotoluene
 Concen: 9.060 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion: 91 Resp: 2376901
 Ion Ratio Lower Upper
 91 100
 126 29.9 12.3 49.1

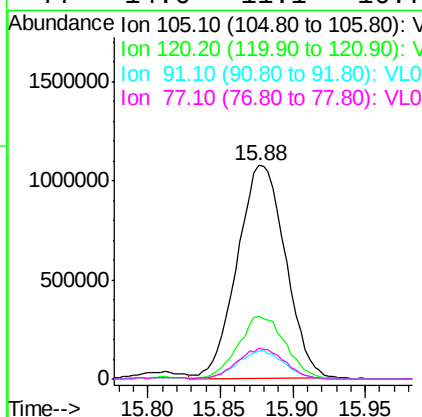
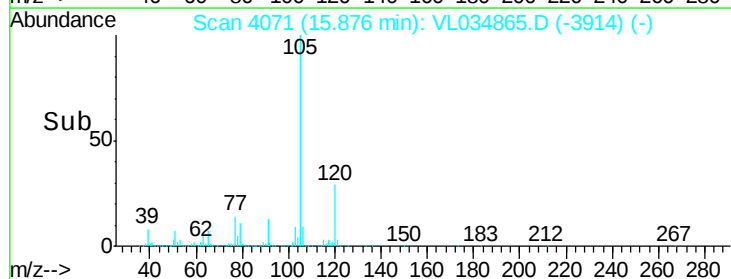
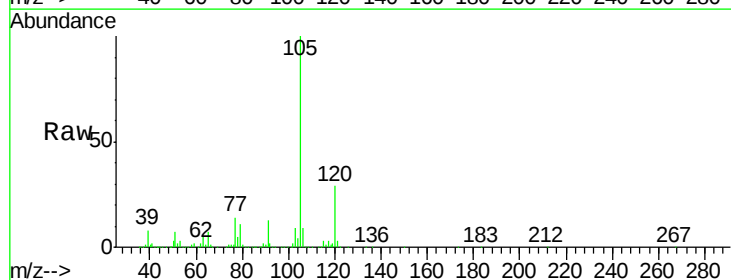
Manual Integrations
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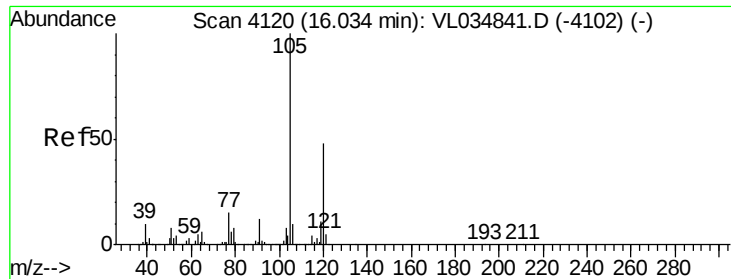
MMDadoda
 3/11/2020 3:17:15 PM



#72
 4-Ethyltoluene
 Concen: 9.235 ppbv
 RT: 15.88 min Scan# 4071
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion: 105 Resp: 2498670
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.7 35.5
 91 12.8 10.5 15.7
 77 14.6 11.1 16.7





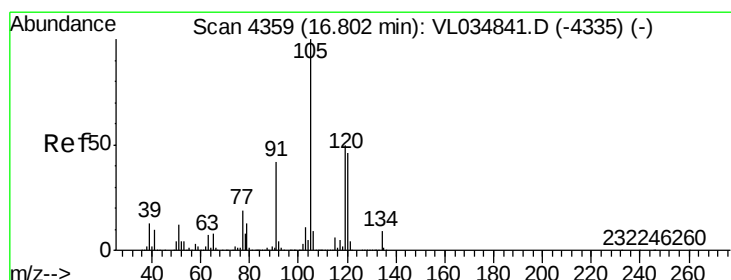
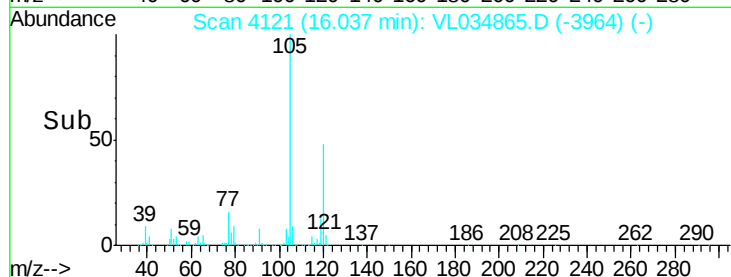
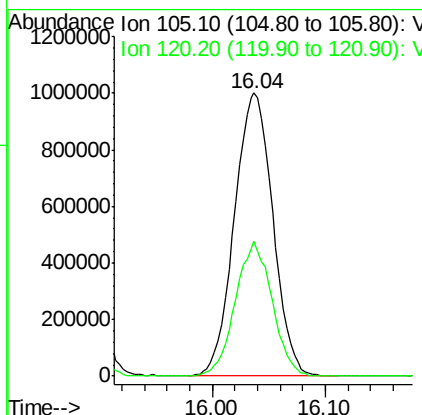
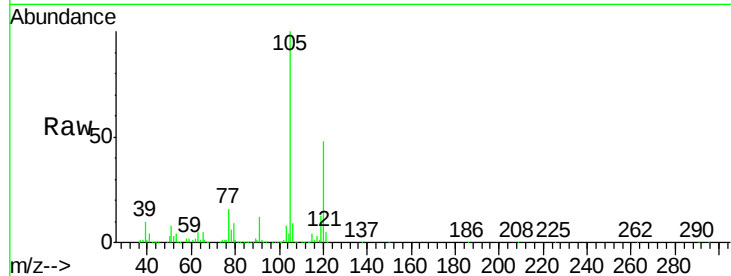
#73
 1,3,5-Trimethylbenzene
 Concen: 9.303 ppbv
 RT: 16.04 min Scan# 4121
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion:105 Resp: 2356281
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.6 58.0

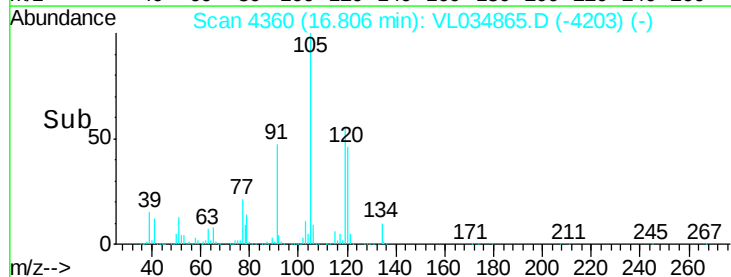
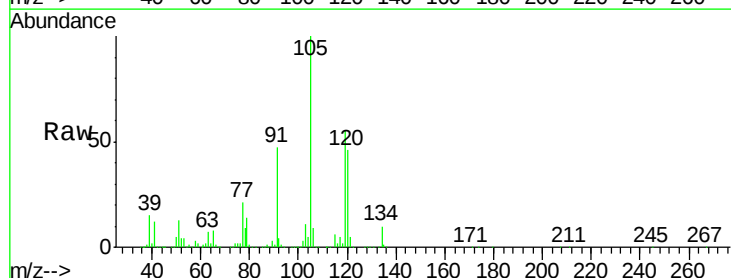
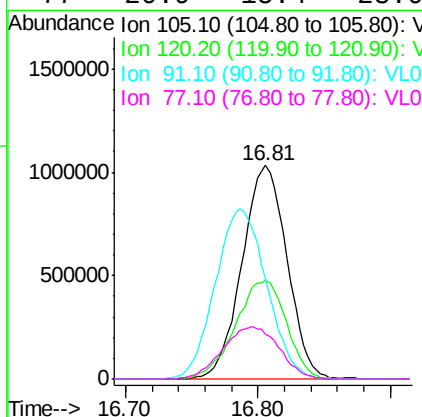
Manual Integrations
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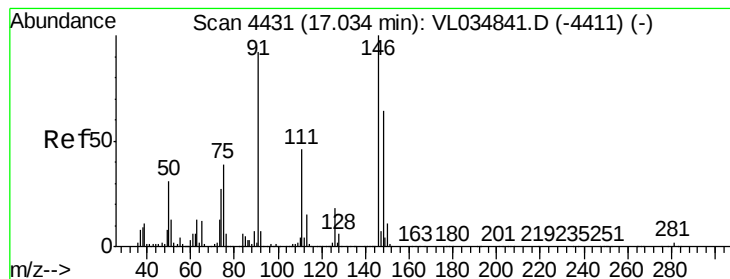
MMDadoda
 3/11/2020 3:17:15 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.297 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. 0.00 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion:105 Resp: 2426153
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.0 55.4
 91 46.9 33.8 50.6
 77 20.9 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 8.910 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tot Ion:146 Resp: 1401982

Ion Ratio Lower Upper

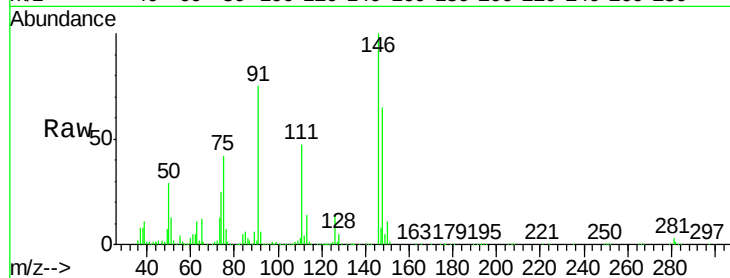
146 100

111 48.5 23.9 71.7

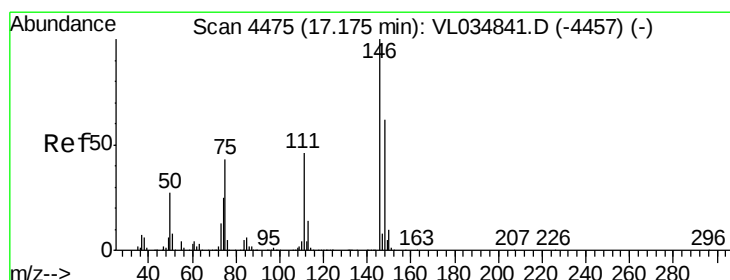
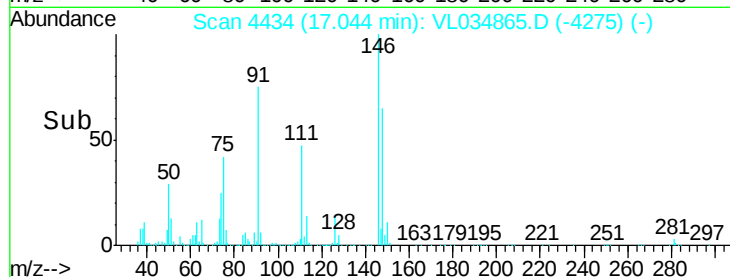
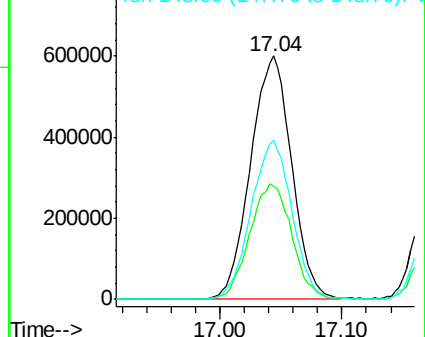
148 65.1 32.5 97.5

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.999 ppbv

RT: 17.19 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL034865.D

Acq: 10 Mar 2020 13:42

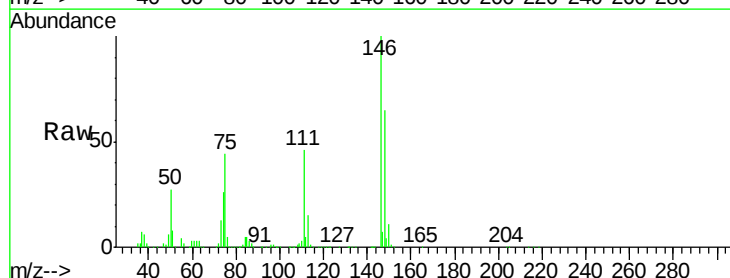
Tgt Ion:146 Resp: 1413007

Ion Ratio Lower Upper

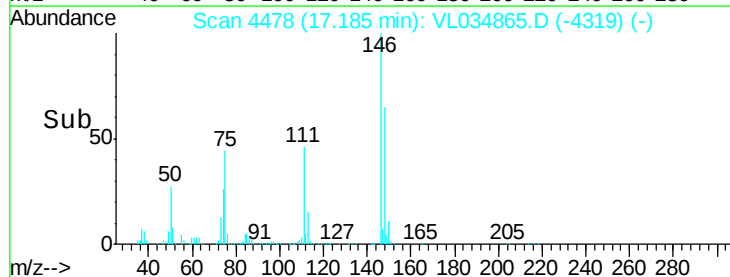
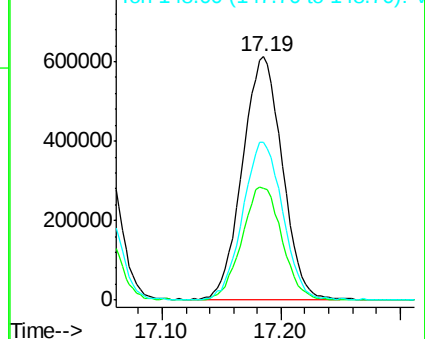
146 100

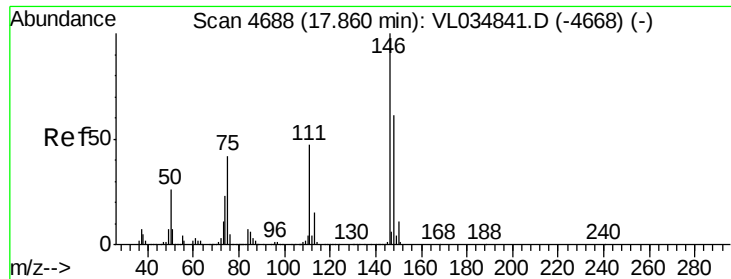
111 47.3 23.4 70.2

148 65.2 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





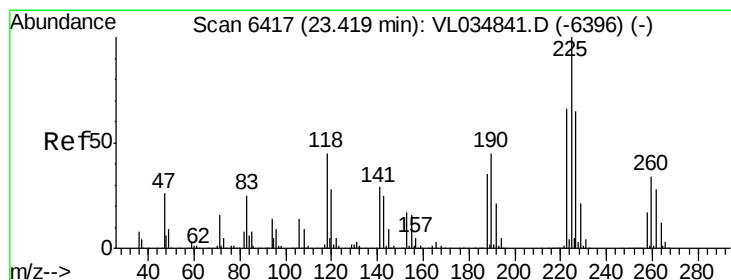
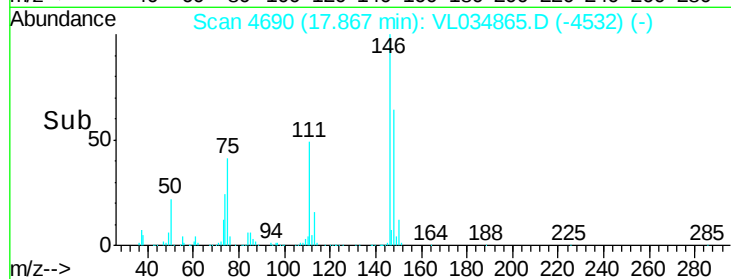
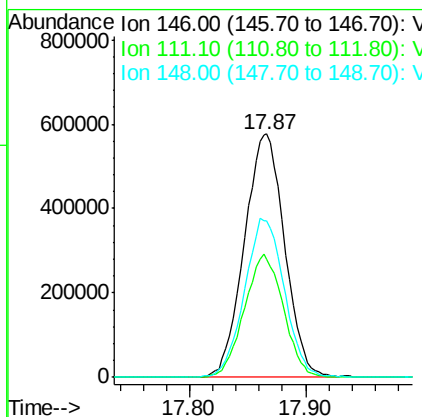
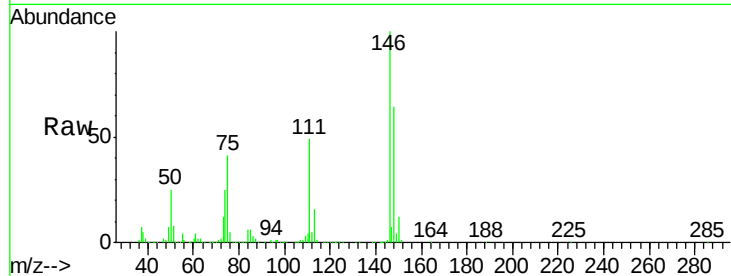
#77
 1,2-Dichlorobenzene
 Concen: 9.125 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	23.8	71.4
148	64.7	31.6	94.8

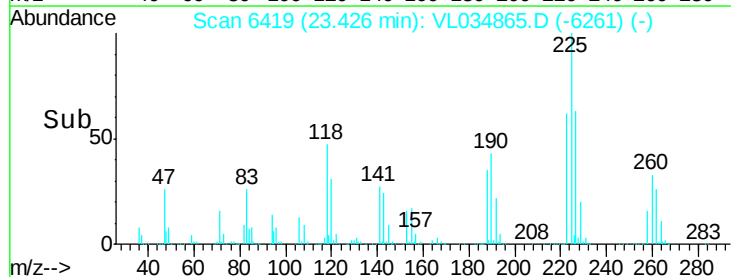
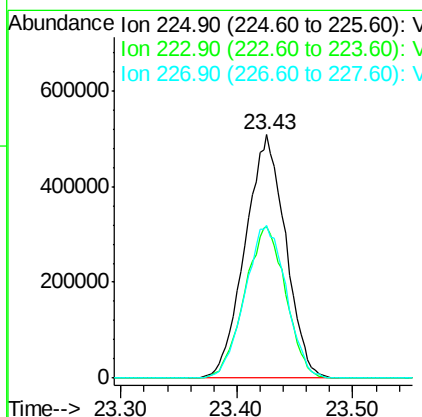
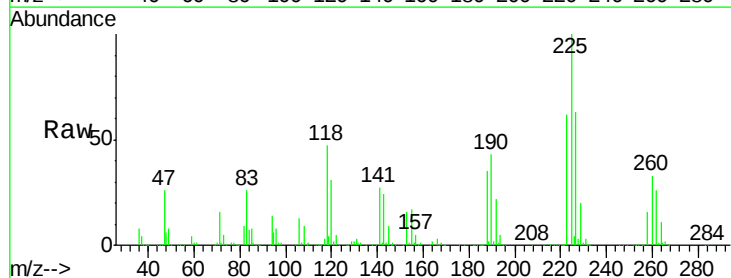
Manual Integrations
 APPROVED

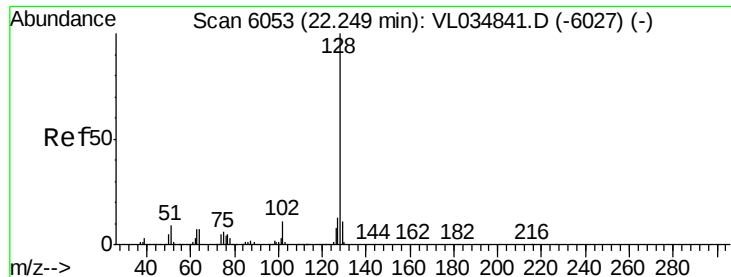
MMDadoda
 3/11/2020 3:17:15 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.641 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.1	76.7
227	64.3	51.8	77.6





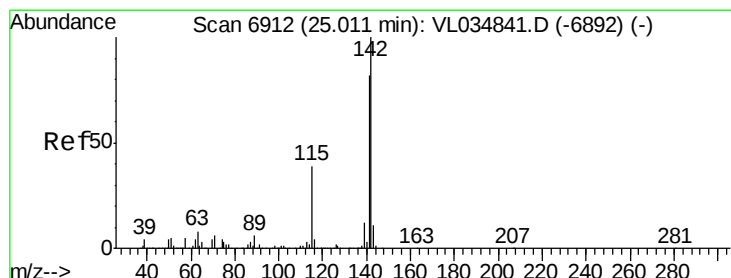
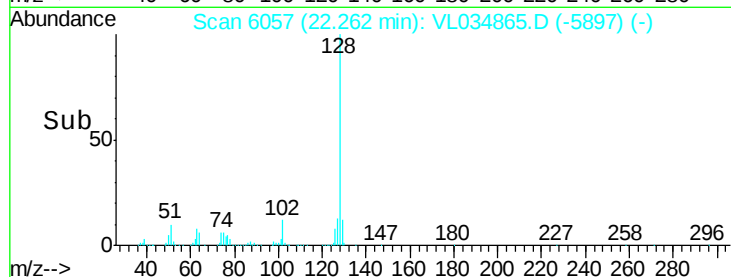
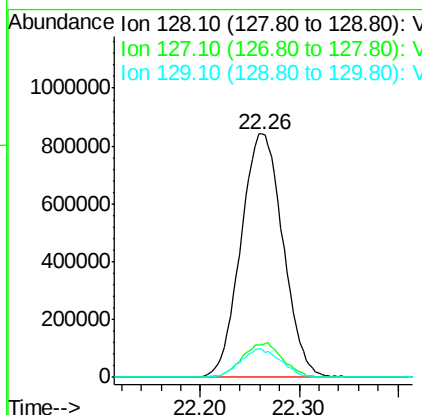
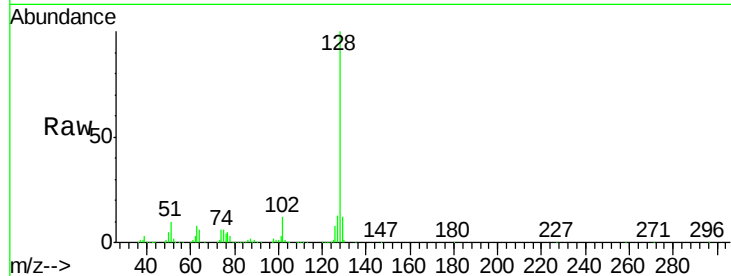
#79
Naphthalene
Concen: 12.240 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.6	8.6	13.0

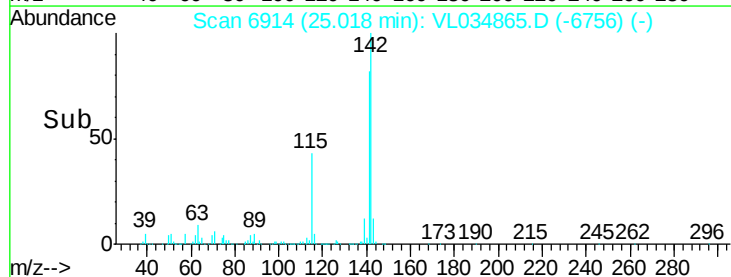
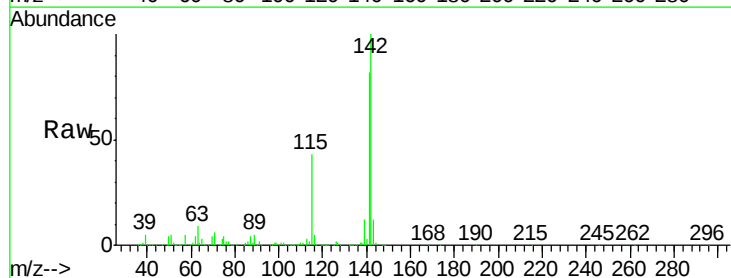
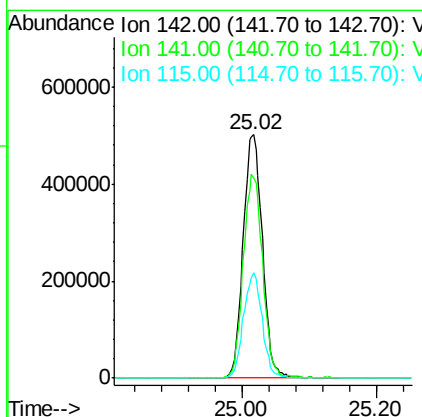
Manual Integrations
APPROVED

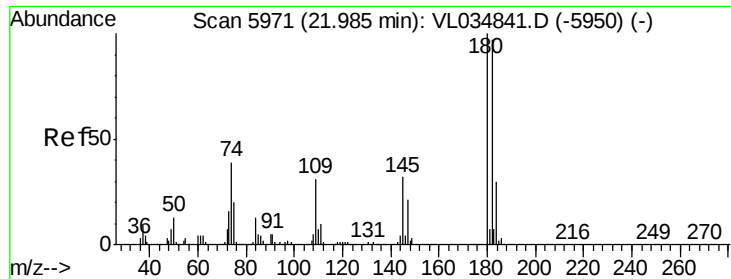
MMDadoda
3/11/2020 3:17:15 PM



#80
Naphthalene, 2-methyl-
Concen: 18.736 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.01 min
Lab File: VL034865.D
Acq: 10 Mar 2020 13:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.9	103.3
115	41.9	33.2	49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 11.197 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.01 min
 Lab File: VL034865.D
 Acq: 10 Mar 2020 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
184	31.1	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:17:15 PM

