

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034646.D
 Acq On : 19 Feb 2020 9:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:27:03 PM

Quant Time: Feb 20 00:58:37 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	940386	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1937081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2105000m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1774297	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1607400	7.761	ppbv 96
3) Chlorodifluoromethane	2.95	51	1156243	10.175	ppbv 100
4) Chloromethane	3.10	50	704168	10.128	ppbv 97
5) Vinyl Chloride	3.22	62	660055	9.939	ppbv 98
6) Bromomethane	3.44	94	366194	10.602	ppbv 100
7) Chloroethane	3.52	64	255373	10.341	ppbv 95
8) Dichlorotetrafluoroethane	3.15	85	1657503	10.238	ppbv 98
9) Propene	2.97	41	446881	10.101	ppbv 98
10) Heptane	8.13	43	1184559	10.639	ppbv 99
11) Trichlorofluoromethane	3.92	101	1948486	10.356	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1310487	10.675	ppbv 99
13) Ethanol	3.57	45	109095	9.206	ppbv 95
14) Bromoethene	3.71	108	519596	10.790	ppbv 98
15) Acetone	3.82	43	1328333	9.611	ppbv 99
16) 1,3-Butadiene	3.29	39	585950	10.676	ppbv 98
17) tert-Butyl alcohol	4.27	59	1276873	12.563	ppbv 100
18) 1,1-Dichloroethene	4.26	96	573021	11.057	ppbv 99
19) Isopropyl Alcohol	3.94	45	990107	12.276	ppbv # 98
20) Methylene Chloride	4.32	84	501516	9.530	ppbv 97
21) Allyl Chloride	4.39	41	919199	10.709	ppbv 100
22) trans-1,2-Dichloroethene	4.87	96	594791	10.959	ppbv 96
23) Vinyl Acetate	5.06	43	1627860	10.324	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1348595	10.244	ppbv 99
25) Ethyl Acetate	5.67	43	2228817	9.961	ppbv 100
26) Hexane	5.68	57	968967	10.339	ppbv 97
27) Carbon Disulfide	4.53	76	1476541	11.676	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1664955	10.417	ppbv 100
29) Chloroform	5.75	83	1673375	10.098	ppbv 100
30) Cyclohexane	7.13	84	760080	10.945	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	1021479	10.490	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	1753270	9.853	ppbv 99
34) 2-Butanone	5.23	43	1388822	9.874	ppbv 99
35) Carbon Tetrachloride	7.02	117	1903823	10.280	ppbv 99
36) Benzene	6.90	78	1799382	10.445	ppbv 96
37) 1,2-Dichloroethane	6.31	62	1463613	10.184	ppbv 100
38) Trichloroethene	7.85	130	791905	10.906	ppbv 98
39) 1,2-Dichloropropane	7.62	63	722763	10.121	ppbv 97
40) 1,4-Dioxane	7.84	88	302668	11.026	ppbv # 1
41) Tetrahydrofuran	6.04	42	740691	10.095	ppbv 99
42) Bromodichloromethane	7.80	83	1838064	10.391	ppbv 99
43) Methyl Methacrylate	8.02	69	765249	11.045	ppbv 98

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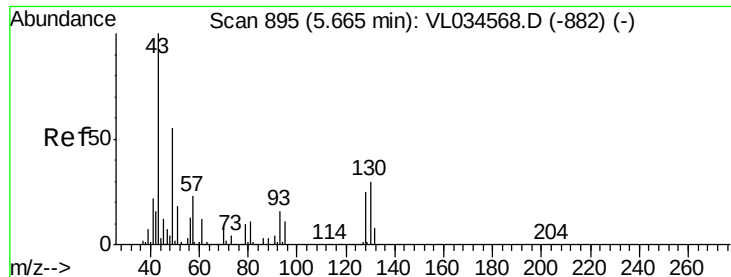
Manual Integrations
 APPROVED

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Quant Time: Feb 20 00:58:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3221910	10.309	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1071451	11.810	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1192859	11.568	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	778351	10.063	ppbv	98
48) Dibromochloromethane	10.33	129	1516786	10.702	ppbv	99
49) Bromoform	13.08	173	1317119	10.585	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2093265	10.436	ppbv	100
51) 2-Hexanone	10.15	43	1687777	10.689	ppbv #	100
52) Tetrachloroethene	11.25	164	704591	10.182	ppbv	97
53) Toluene	9.83	91	2117559	11.190	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1193324	10.296	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.16	131	1009110	9.710	ppbv	97
57) Chlorobenzene	12.18	112	1671788	9.652	ppbv	97
58) Ethyl Benzene	12.74	91	2912990	10.342	ppbv	97
59) m/p-Xylene	13.03	91	4917055m	19.747	ppbv	
60) o-Xylene	13.73	91	2493410	9.971	ppbv	99
61) Styrene	13.56	104	1771370	10.624	ppbv	99
62) Isopropylbenzene	14.70	105	3228543	9.963	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1726692	8.928	ppbv	99
64) n-propylbenzene	15.60	120	837238m	10.042	ppbv	
65) tert-Butylbenzene	16.79	119	2996899	10.208	ppbv	100
66) Benzyl Chloride	17.03	91	1405902	11.421	ppbv	100
67) sec-Butylbenzene	17.33	105	4137590	10.255	ppbv	98
69) p-Isopropyltoluene	17.69	119	3514452	10.728	ppbv	100
70) n-Butylbenzene	18.59	91	3815871	10.973	ppbv	100
71) 2-Chlorotoluene	15.49	91	2513003	10.216	ppbv	100
72) 4-Ethyltoluene	15.88	105	2840399	10.341	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2753341	10.258	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	2957157	9.952	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	1720856	10.058	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1726738	10.240	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1716317	10.443	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1735699m	11.043	ppbv	
79) Naphthalene	22.26	128	3089688	13.208	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1048131	11.646	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	1869861	12.966	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 940386

Ion Ratio Lower Upper

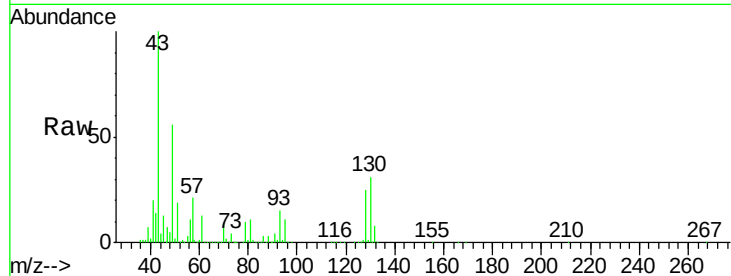
49 100

128 45.8 22.7 68.1

130 59.6 28.6 85.8

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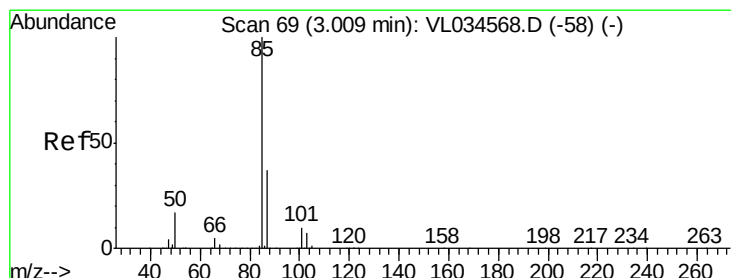
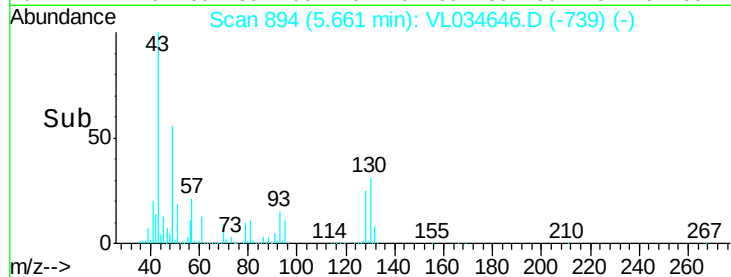
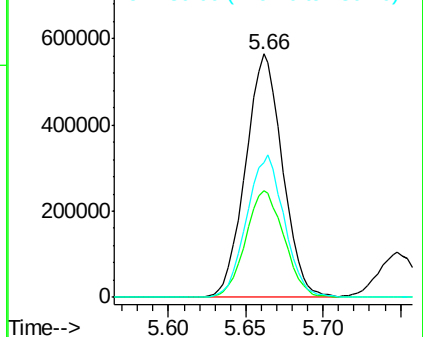
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.761 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034646.D

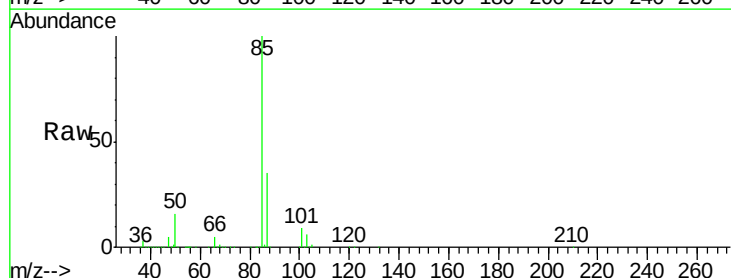
Acq: 19 Feb 2020 9:22

Tgt Ion: 85 Resp: 1607400

Ion Ratio Lower Upper

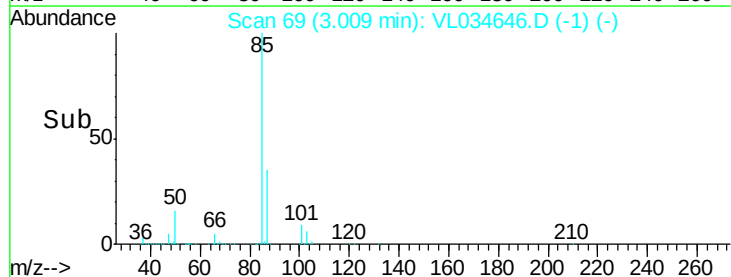
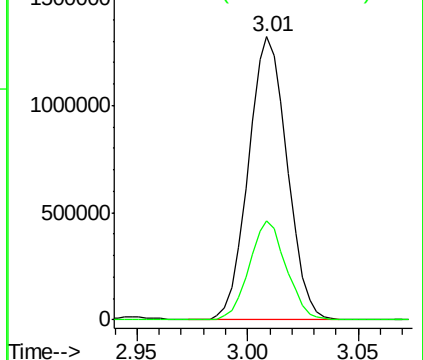
85 100

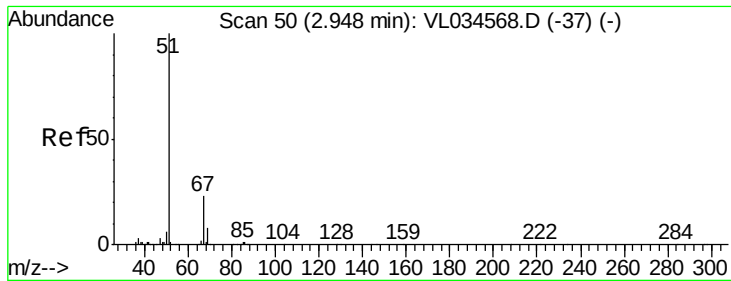
87 34.8 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





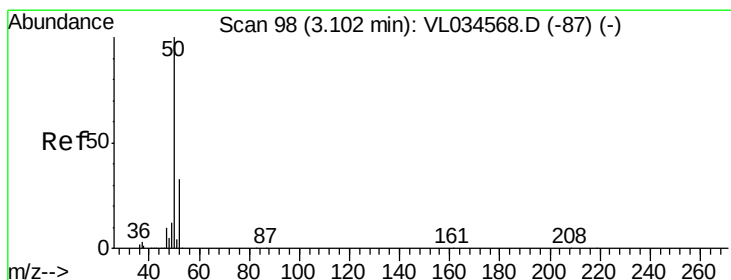
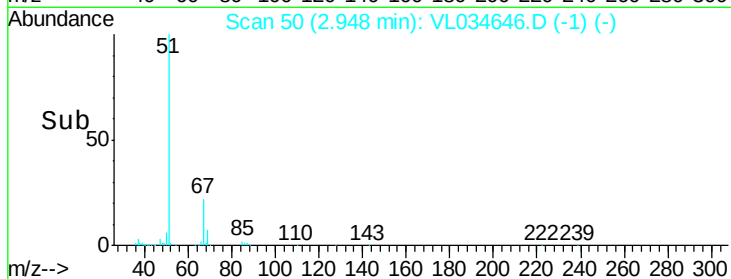
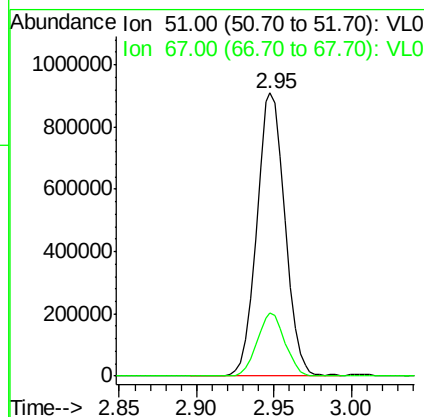
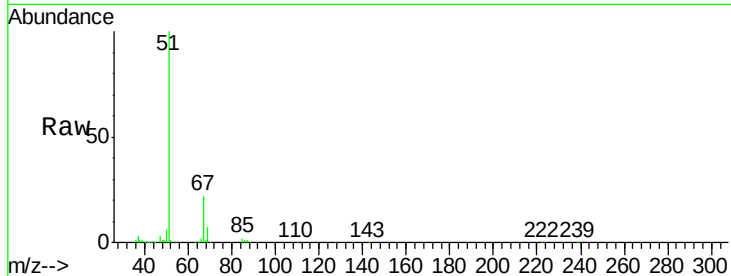
#3
Chlorodifluoromethane
Concen: 10.175 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1156243
Ion Ratio Lower Upper
51 100
67 22.2 17.8 26.8

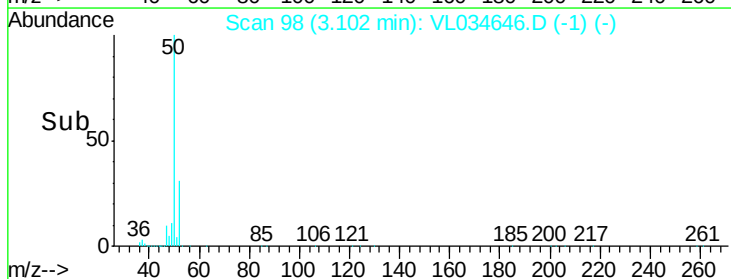
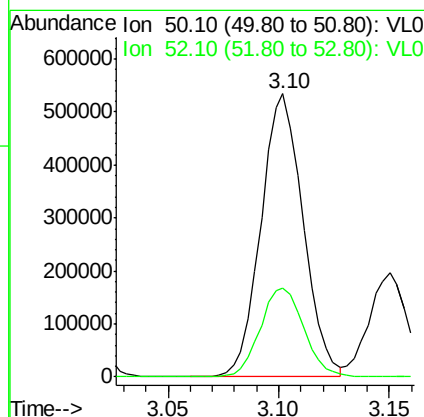
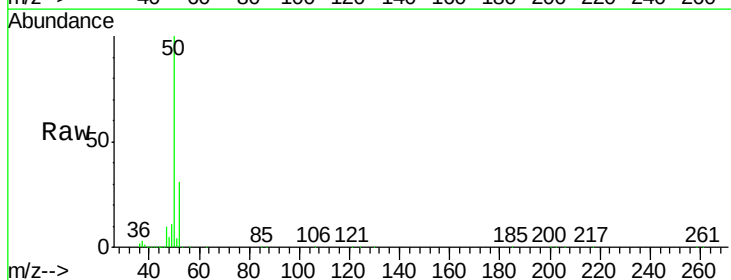
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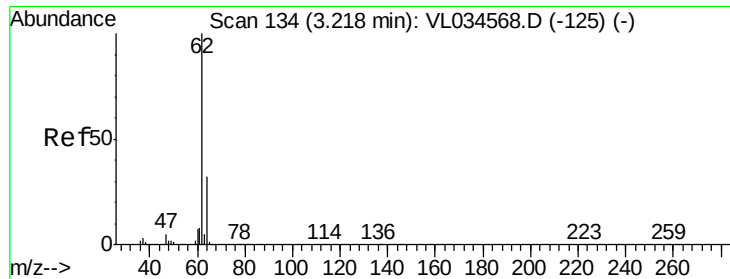
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#4
Chloromethane
Concen: 10.128 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion: 50 Resp: 704168
Ion Ratio Lower Upper
50 100
52 31.5 26.6 39.8





#5

Vinyl Chloride

Concen: 9.939 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 660055

Ion Ratio Lower Upper

62 100

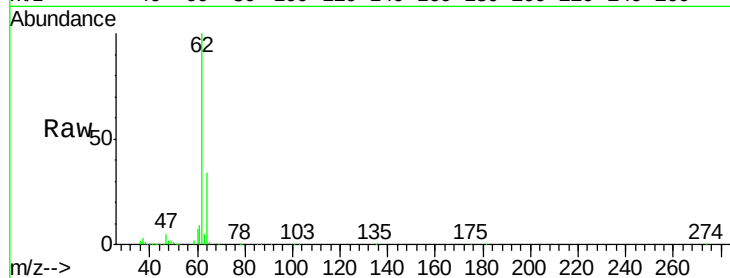
64 33.6 25.8 38.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

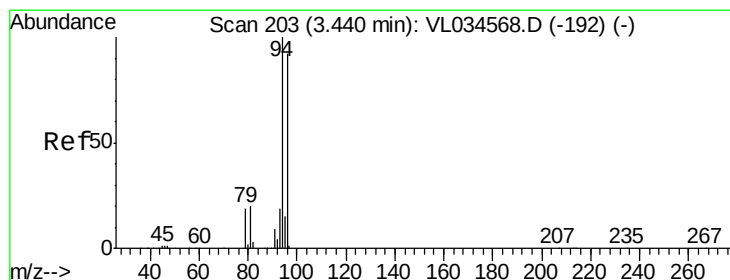
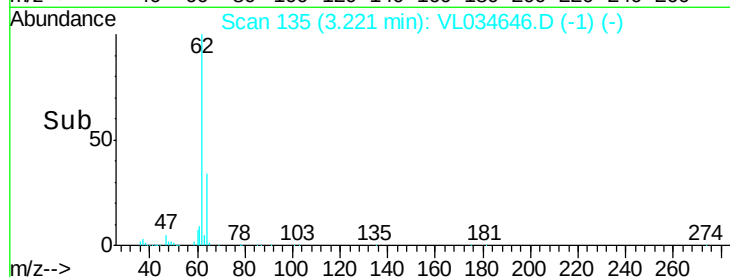
200000

100000

0

3.15 3.20 3.25

Time-->



#6

Bromomethane

Concen: 10.602 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034646.D

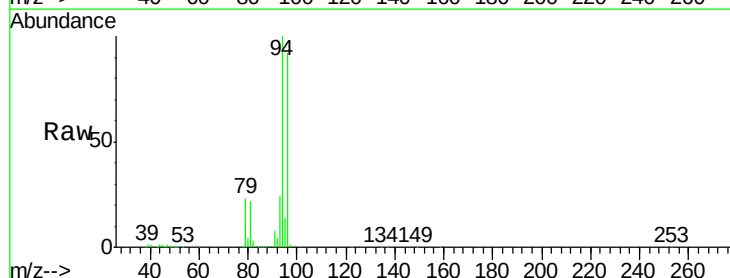
Acq: 19 Feb 2020 9:22

Tgt Ion: 94 Resp: 366194

Ion Ratio Lower Upper

94 100

96 92.2 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

250000

200000

150000

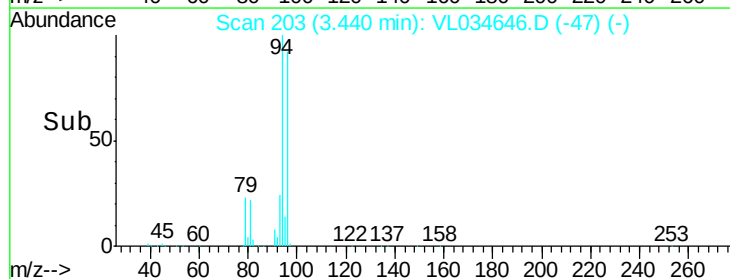
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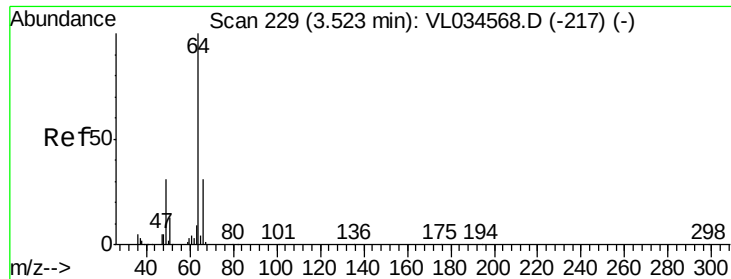
50000

0

3.40 3.45 3.50

Time-->





#7

Chloroethane

Concen: 10.341 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 255373

Ion Ratio Lower Upper

64 100

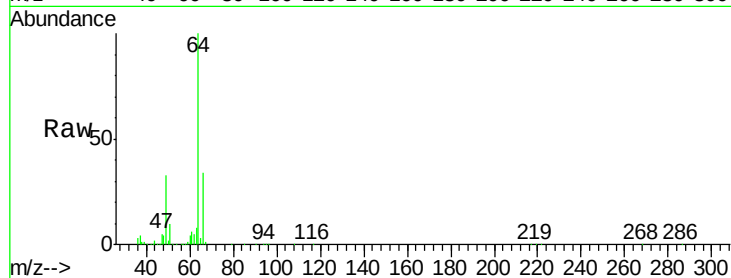
66 34.0 25.0 37.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

200000

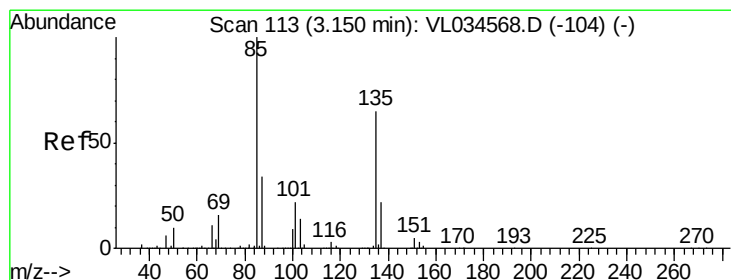
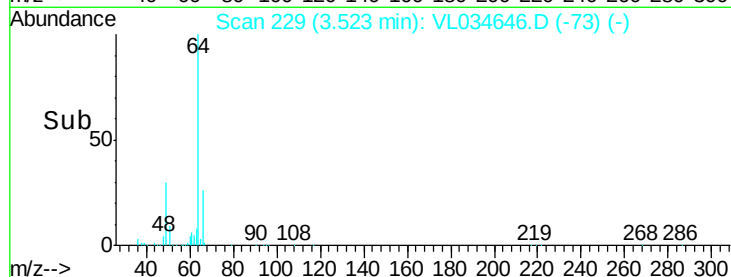
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.238 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034646.D

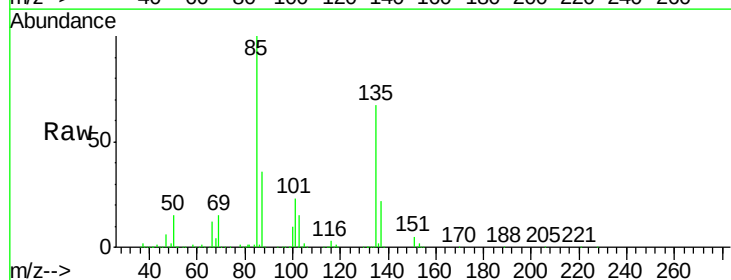
Acq: 19 Feb 2020 9:22

Tgt Ion: 85 Resp: 1657503

Ion Ratio Lower Upper

85 100

135 63.6 52.2 78.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.15

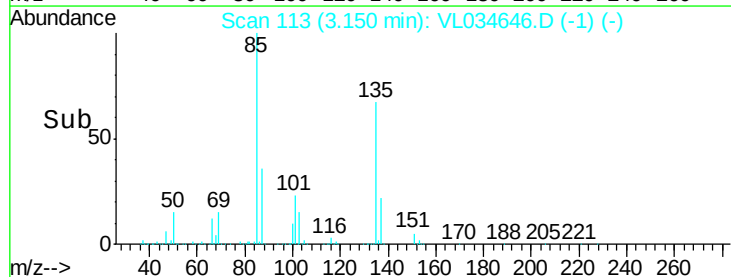
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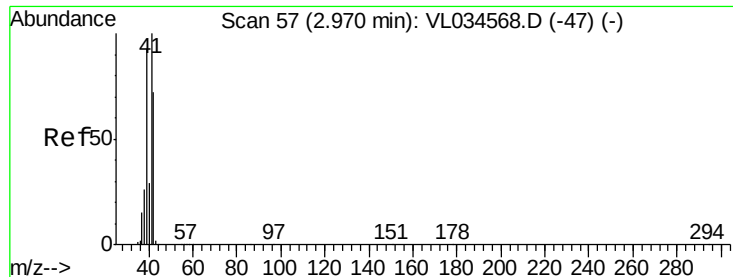
1000000

500000

0

Time-->





#9

Propene

Concen: 10.101 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 446881

Ion Ratio Lower Upper

41 100

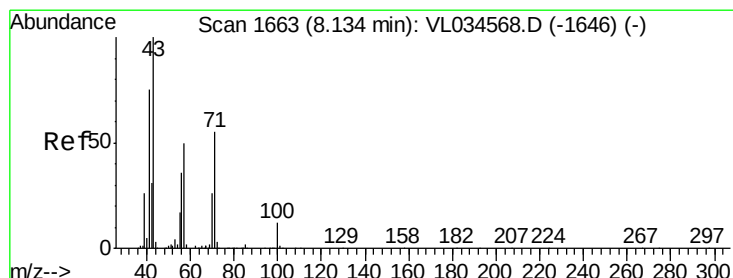
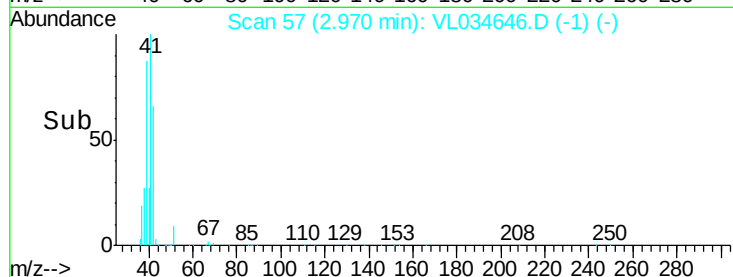
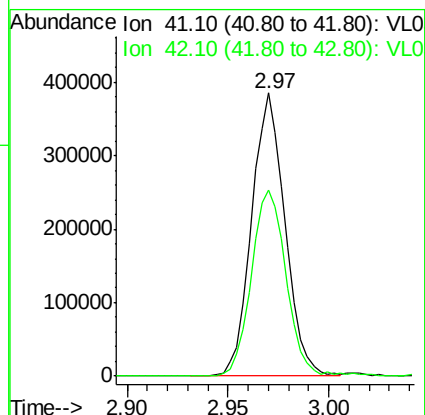
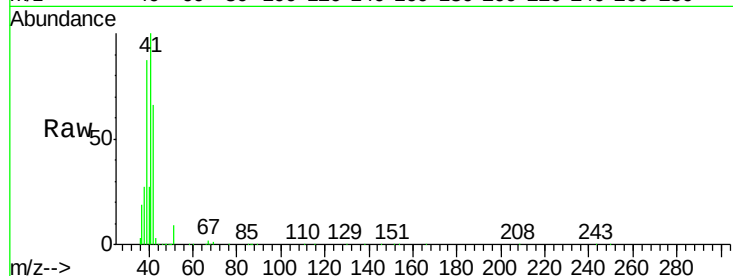
42 69.1 57.0 85.4

Manual Integrations

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#10

Heptane

Concen: 10.639 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034646.D

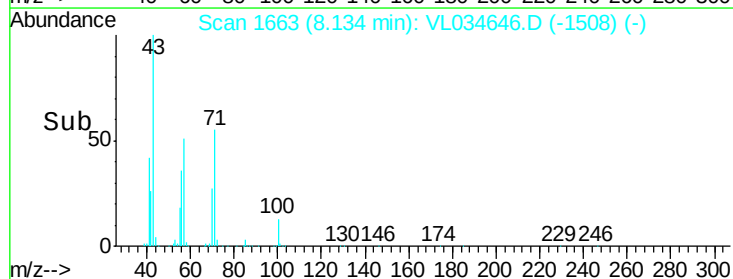
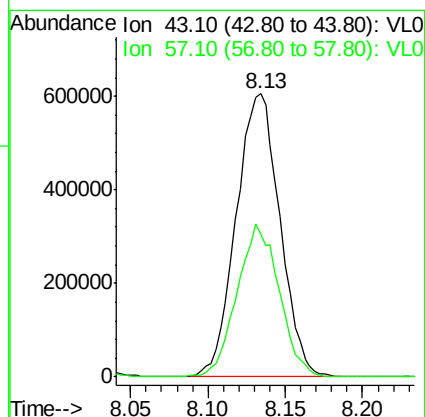
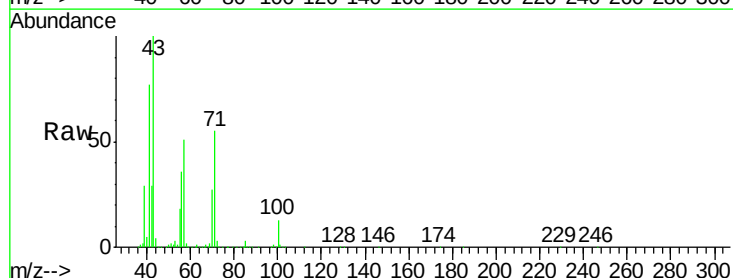
Acq: 19 Feb 2020 9:22

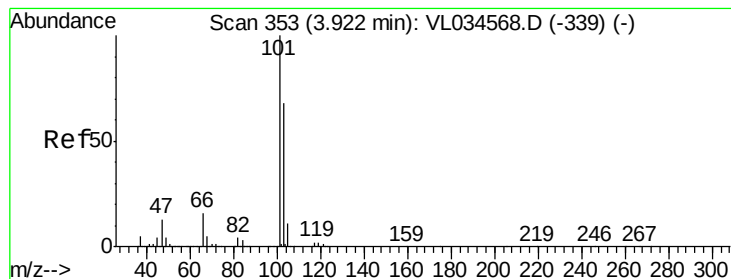
Tgt Ion: 43 Resp: 1184559

Ion Ratio Lower Upper

43 100

57 52.3 41.2 61.8





#11

Trichlorofluoromethane

Concen: 10.356 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1948486

Ion Ratio Lower Upper

101 100

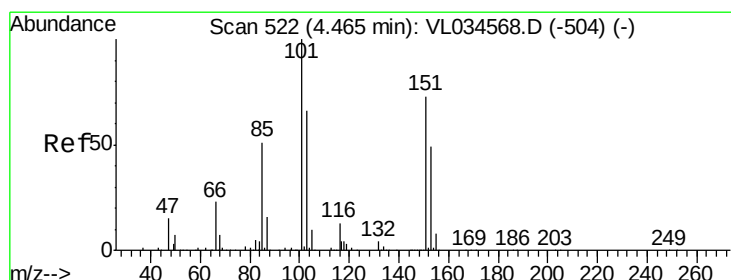
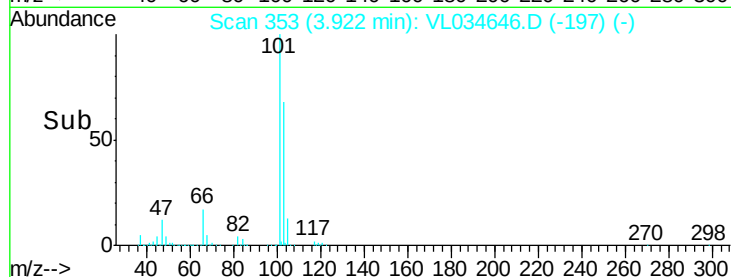
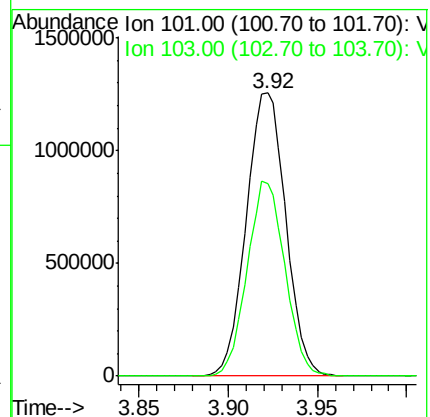
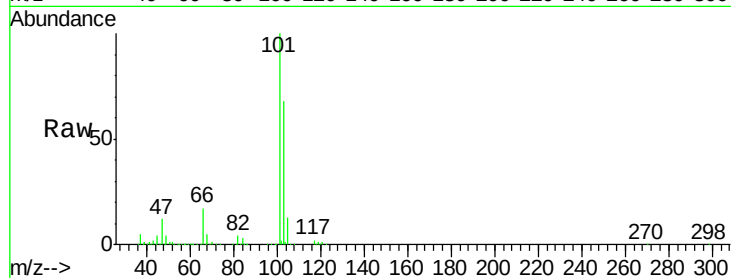
103 68.0 54.4 81.6

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.675 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL034646.D

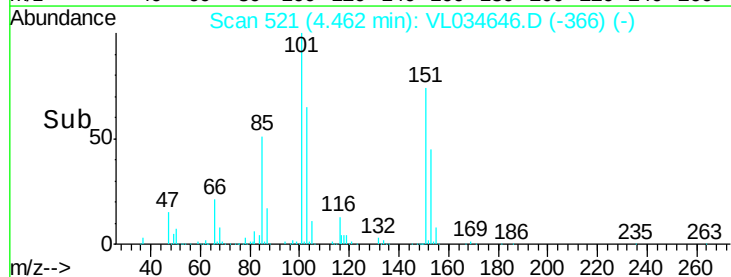
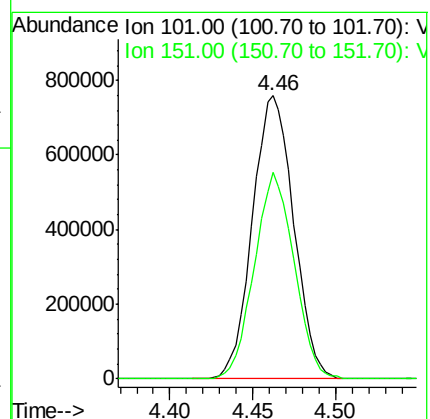
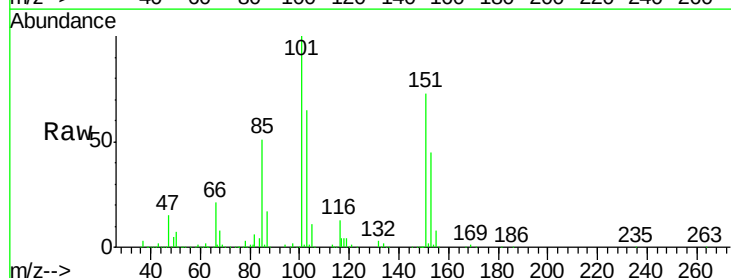
Acq: 19 Feb 2020 9:22

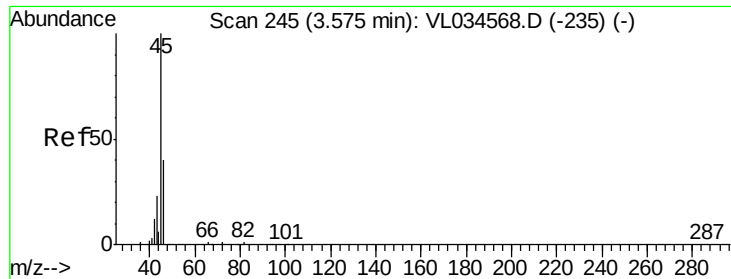
Tgt Ion:101 Resp: 1310487

Ion Ratio Lower Upper

101 100

151 70.5 57.0 85.6





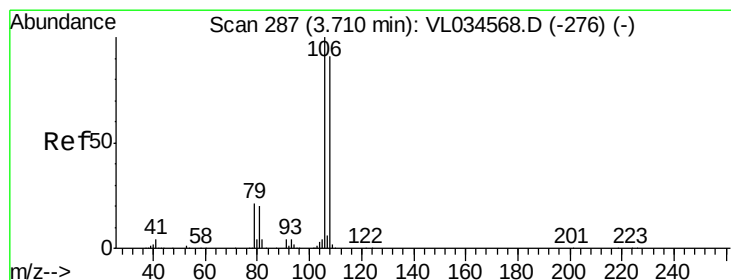
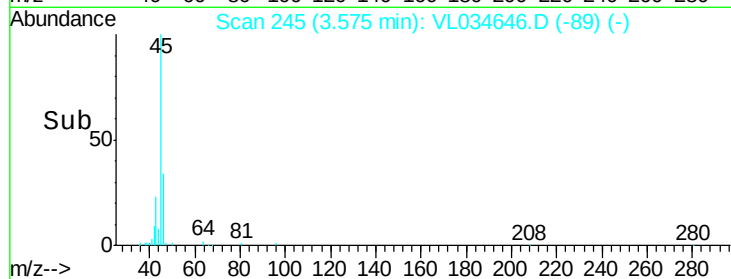
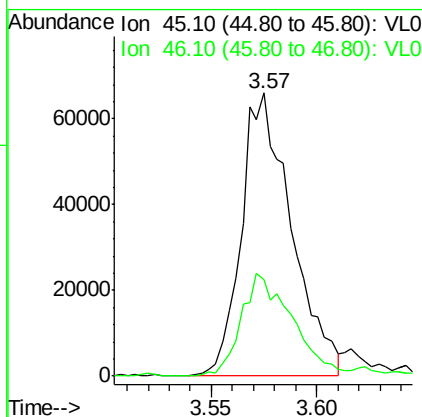
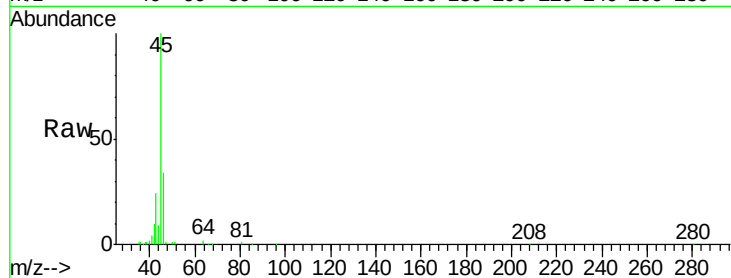
#13
Ethanol
Concen: 9.206 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	39.7	14.8	59.2

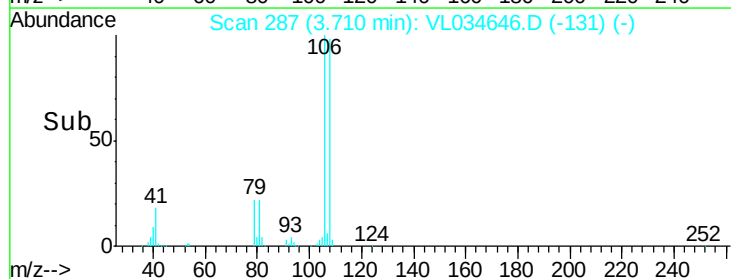
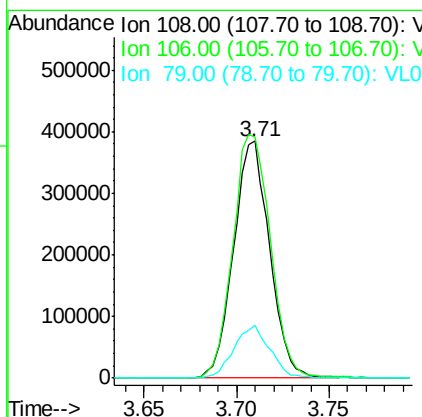
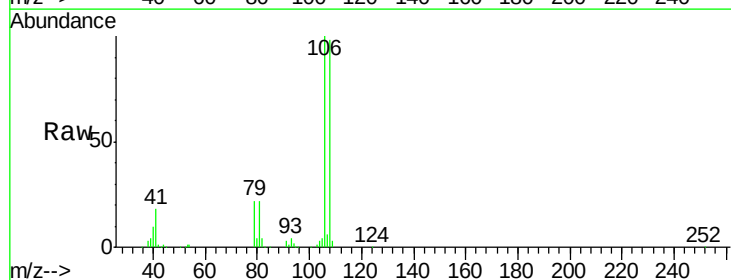
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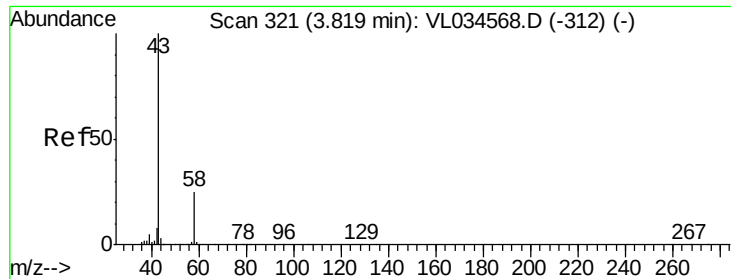
MMDadoda
2/21/2020 3:27:03 PM



#14
Bromoethene
Concen: 10.790 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.9	84.6	127.0
79	22.1	18.2	27.2





#15

Acetone

Concen: 9.611 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1328333

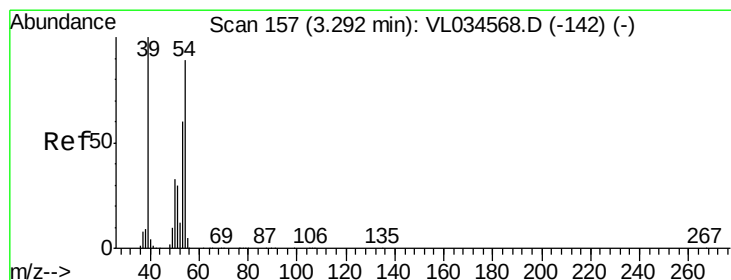
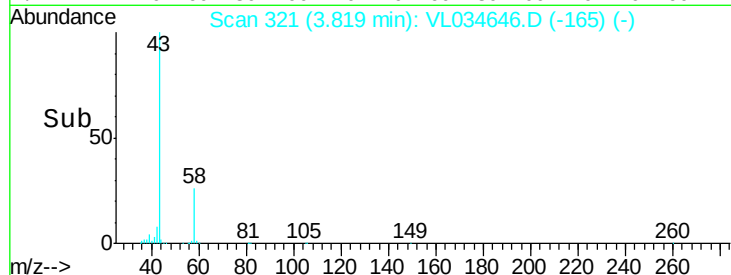
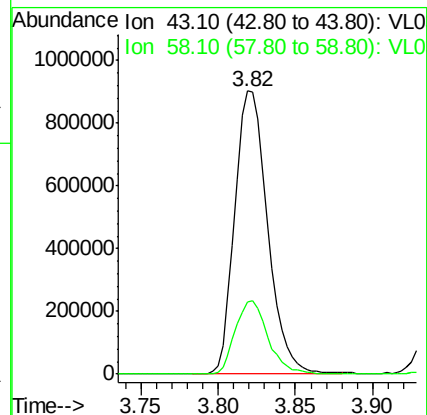
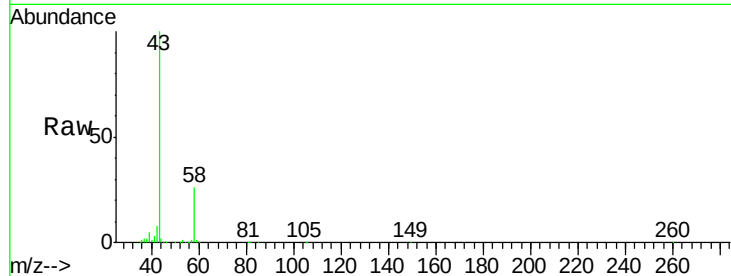
Ion Ratio Lower Upper

43 100

58 25.8 20.3 30.5

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#16

1,3-Butadiene

Concen: 10.676 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034646.D

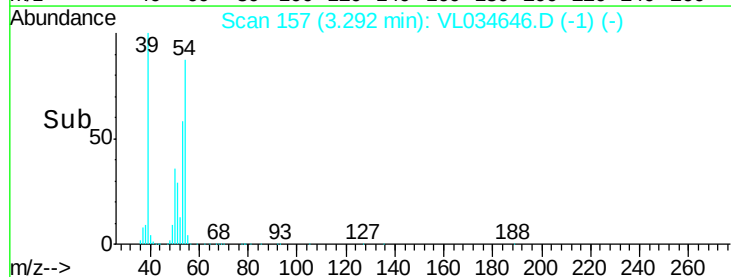
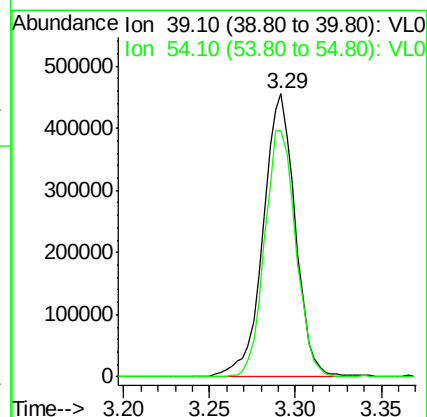
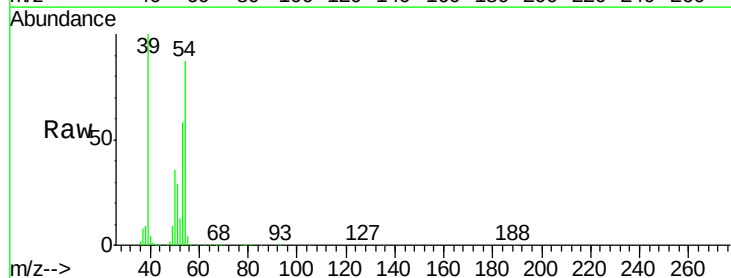
Acq: 19 Feb 2020 9:22

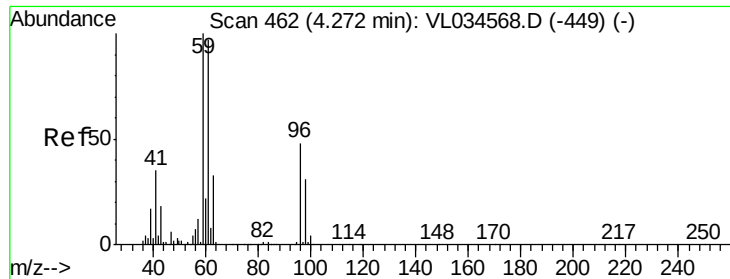
Tgt Ion: 39 Resp: 585950

Ion Ratio Lower Upper

39 100

54 85.5 66.7 100.1





#17

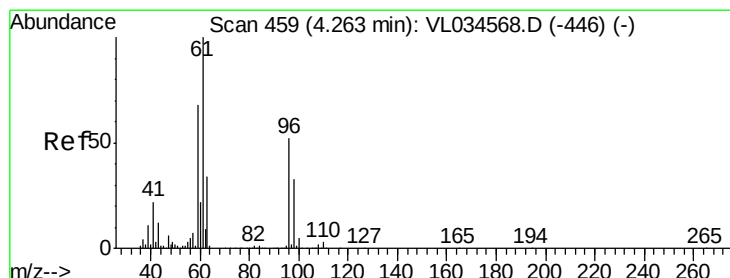
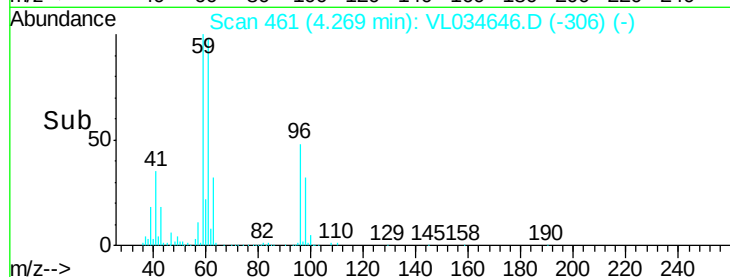
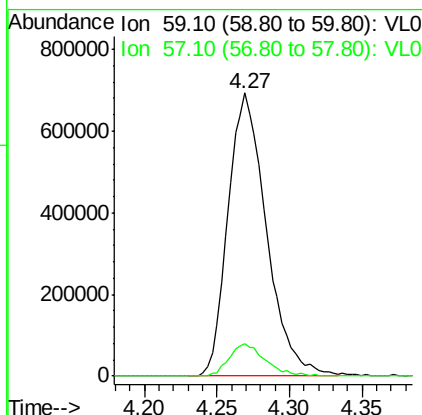
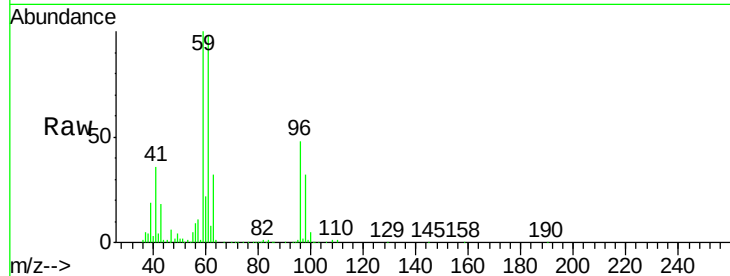
tert-Butyl alcohol
Concen: 12.563 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1276873
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

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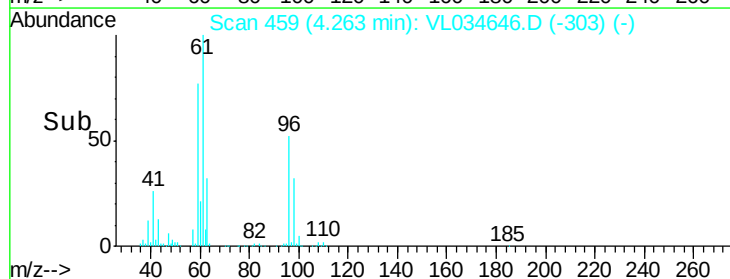
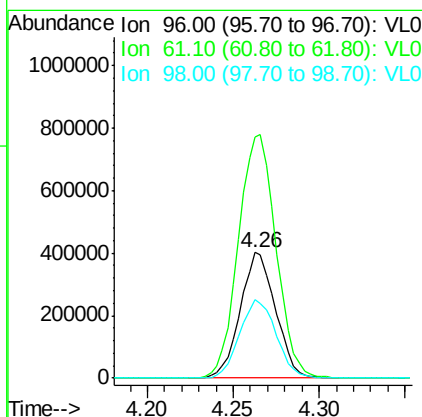
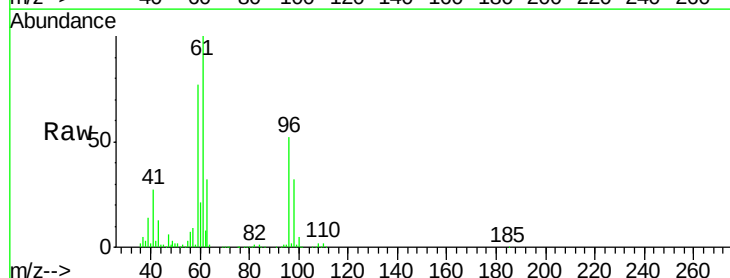
MMDadoda
2/21/2020 3:27:03 PM

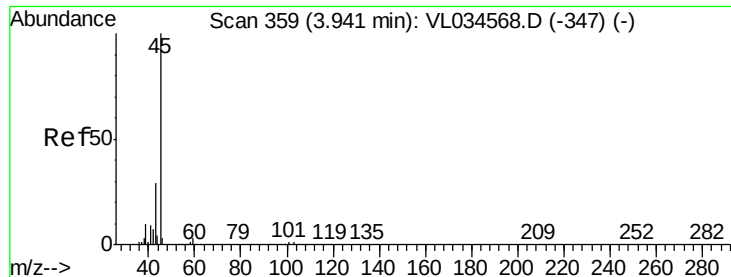


#18

1,1-Dichloroethene
Concen: 11.057 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion: 96 Resp: 573021
Ion Ratio Lower Upper
96 100
61 192.2 154.5 231.7
98 62.3 50.3 75.5





#19

Isopropyl Alcohol

Concen: 12.276 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 990107

Ion Ratio Lower Upper

45 100

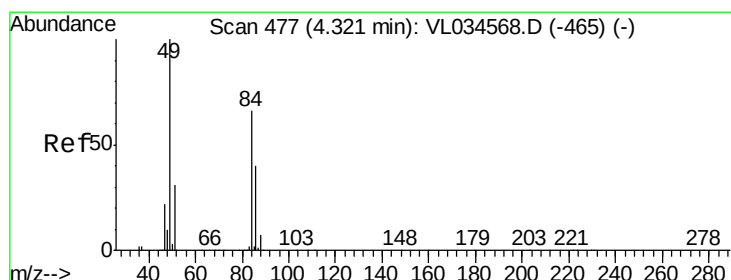
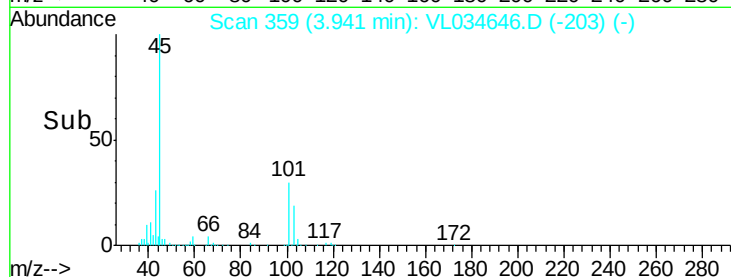
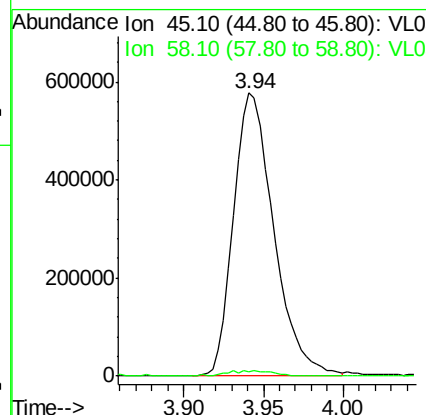
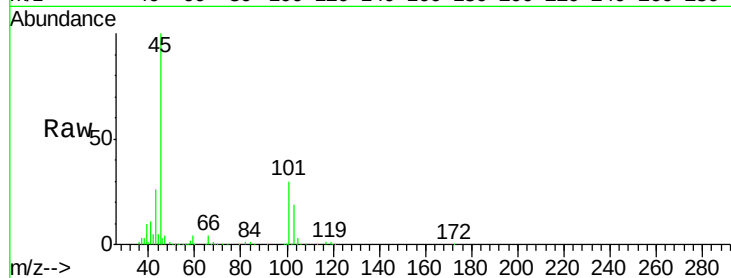
58 2.7 1.7 2.5#

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#20

Methylene Chloride

Concen: 9.530 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion: 84 Resp: 501516

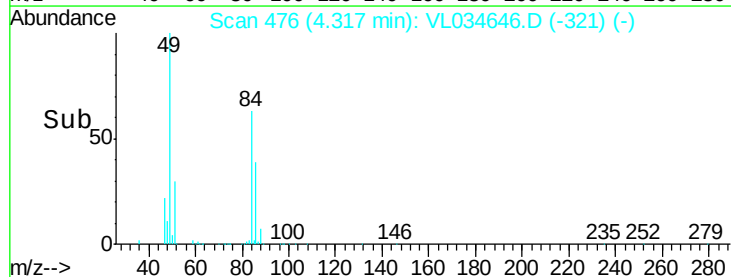
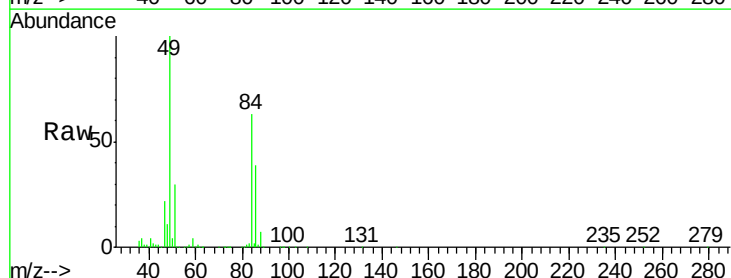
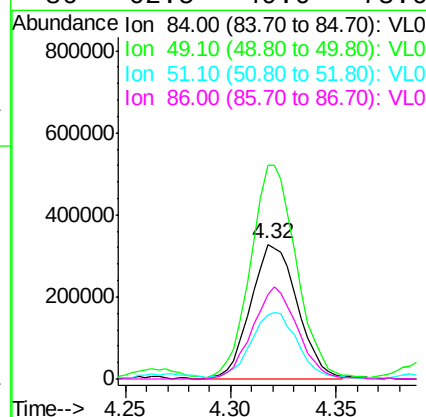
Ion Ratio Lower Upper

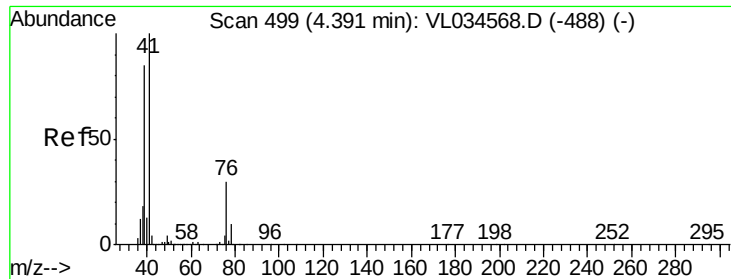
84 100

49 157.5 122.4 183.6

51 46.4 38.6 57.8

86 62.5 49.0 73.6





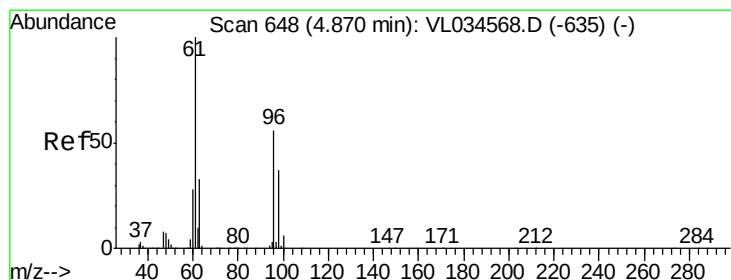
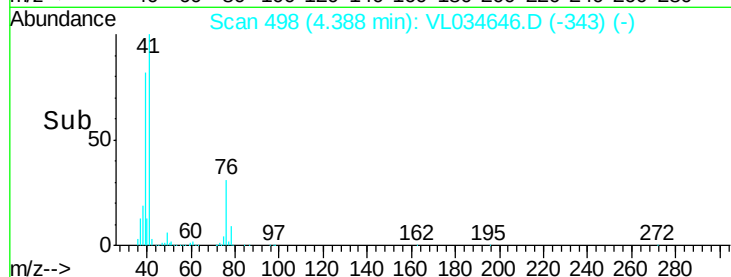
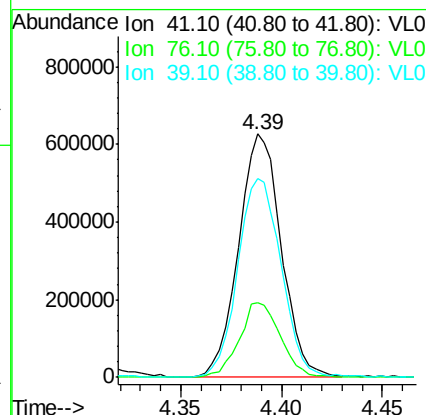
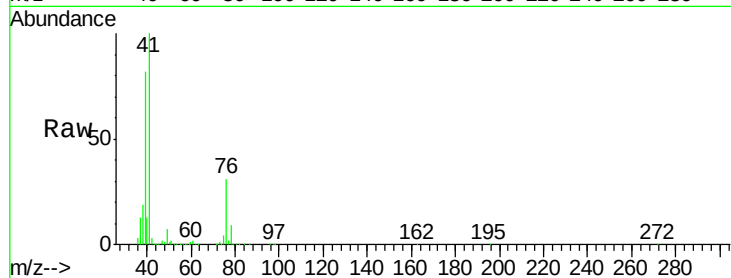
#21
Allvl Chloride
Concen: 10.709 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.2	36.2
39	85.3	68.3	102.5

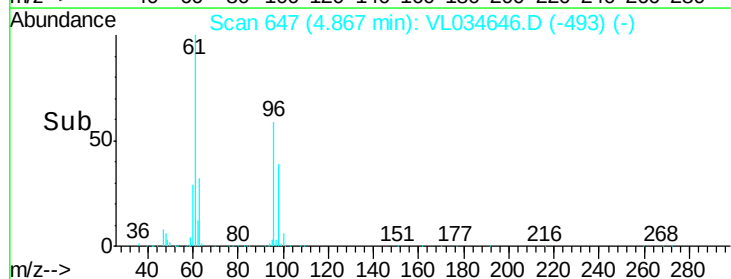
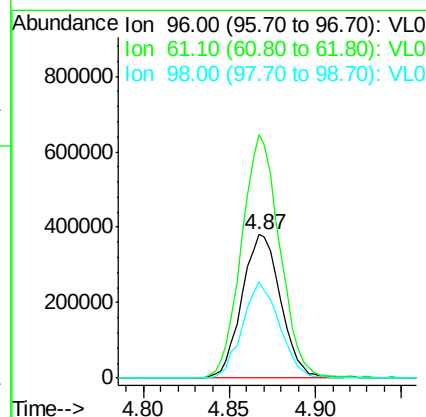
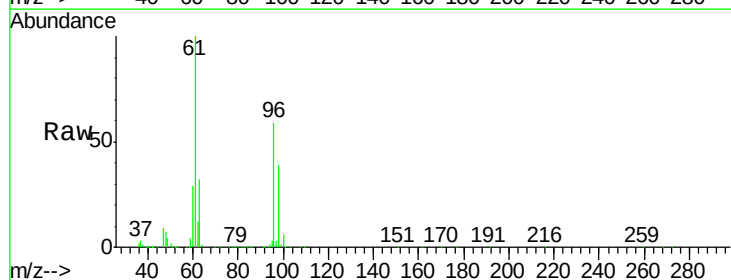
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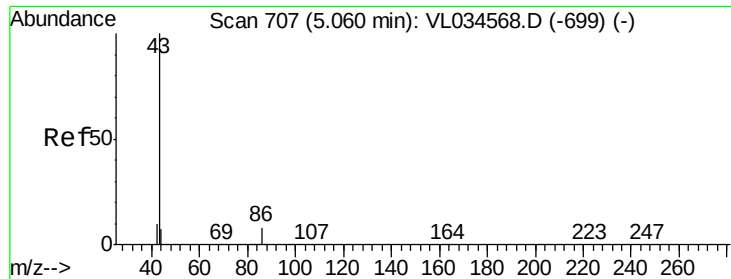
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.959 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.7	141.9	212.9
98	66.8	53.1	79.7





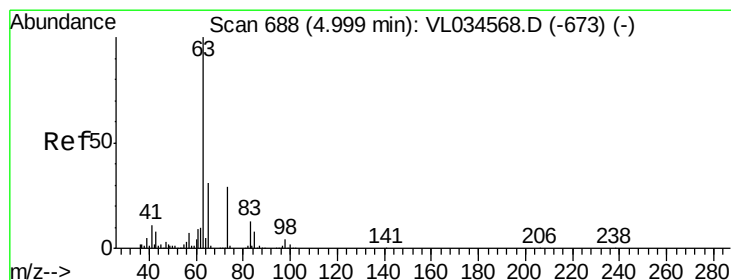
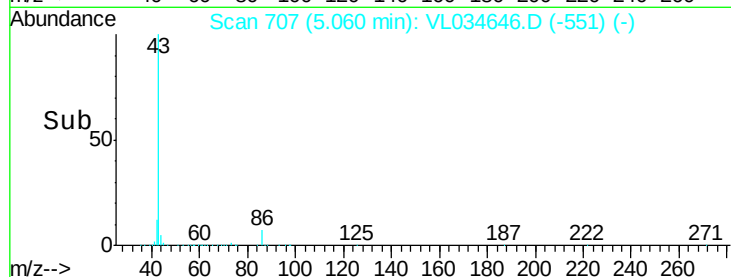
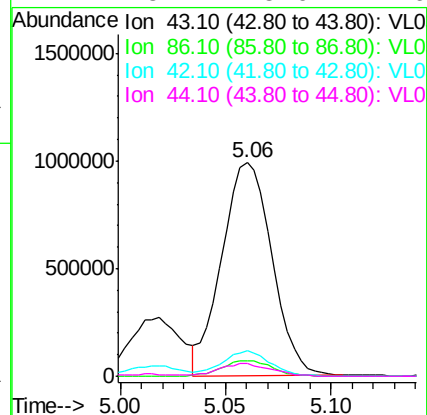
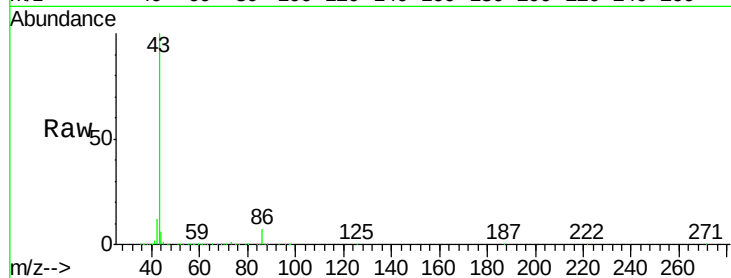
#23
 Vinyl Acetate
 Concen: 10.324 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	43	Resp	1627860
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.9	8.9
42	11.6	8.8	13.2
44	5.7	5.0	7.6

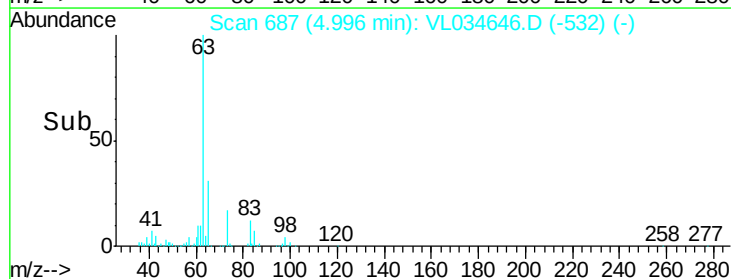
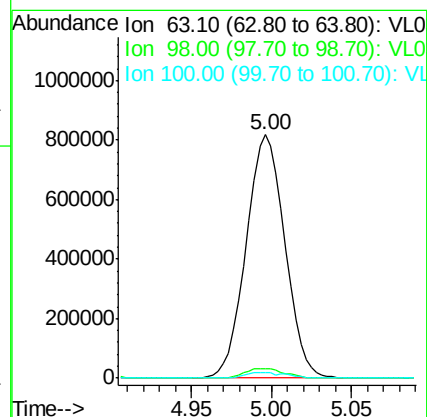
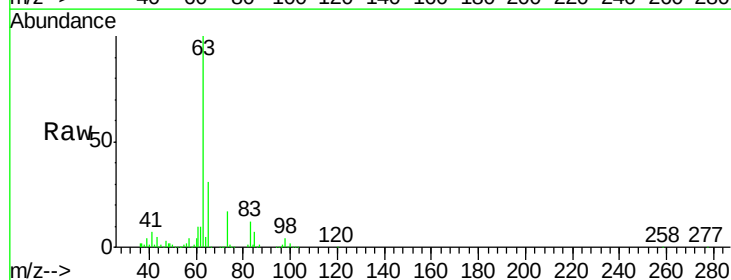
Manual Integrations
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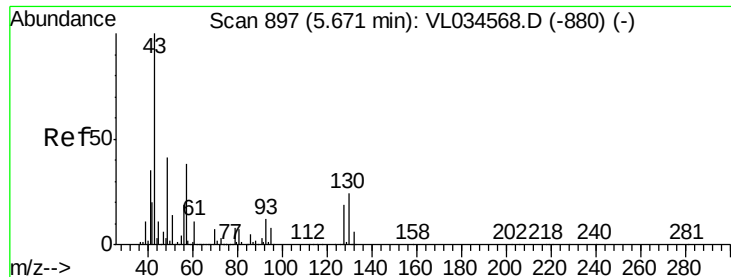
MMDadoda
 2/21/2020 3:27:03 PM



#24
 1,1-Dichloroethane
 Concen: 10.244 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	63	Resp	1348595
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.3	1.1	3.5





#25

Ethyl Acetate

Concen: 9.961 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 43 Resp: 2228817

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.0	7.8	11.6
70	7.3	5.8	8.8

43 100

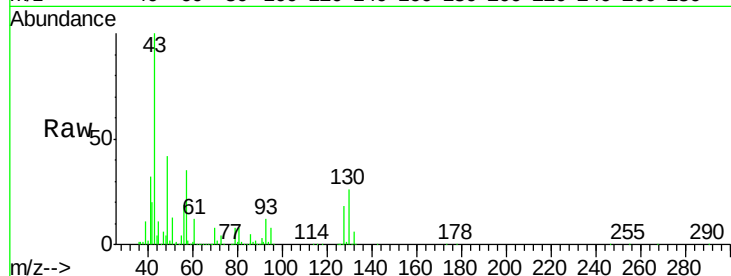
45 10.5 8.5 12.7

61 10.0 7.8 11.6

70 7.3 5.8 8.8

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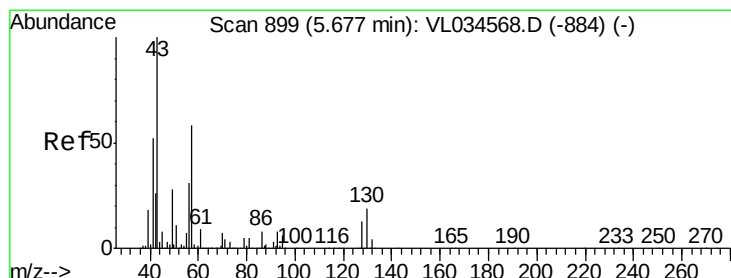
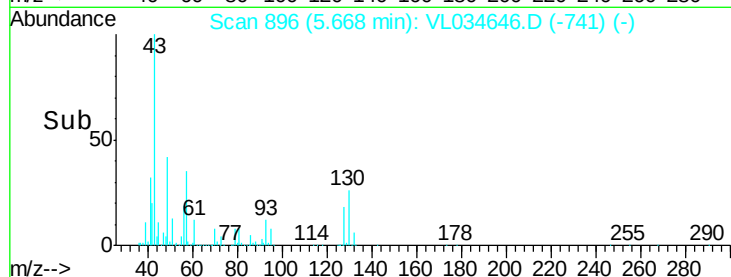
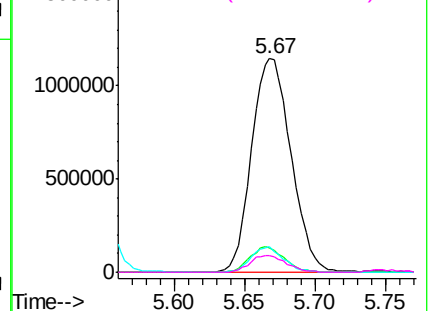
Abundance

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: 10.339 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion: 57 Resp: 968967

Ion	Ratio	Lower	Upper
57	100		
41	94.1	76.2	114.2
43	231.1	189.9	284.9
56	53.8	43.6	65.4

57 100

41 94.1 76.2 114.2

43 231.1 189.9 284.9

56 53.8 43.6 65.4

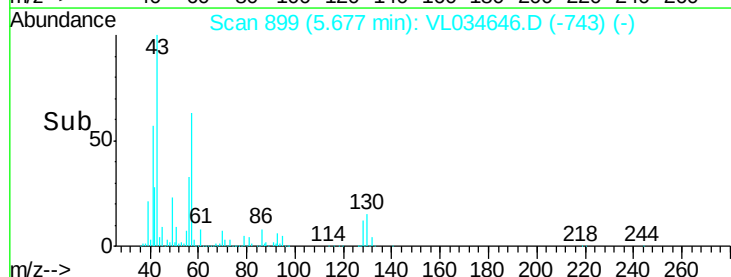
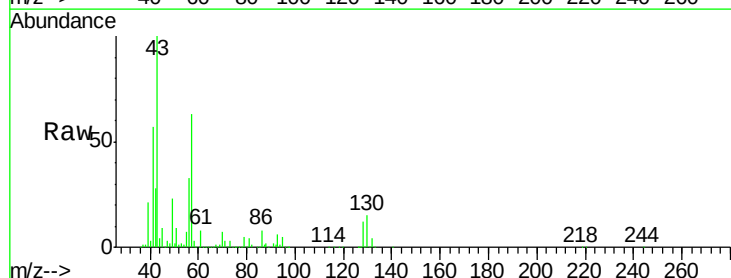
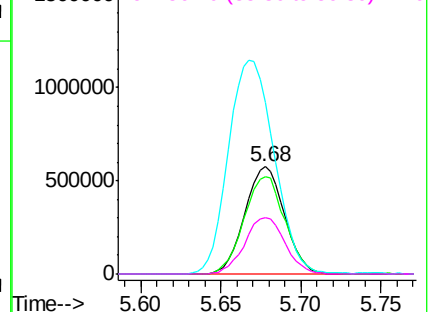
Abundance

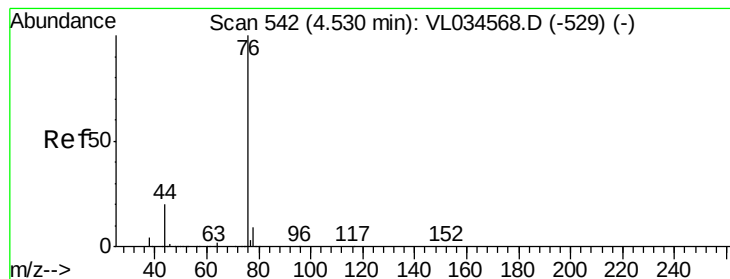
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.676 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tot Ion:	76	Resp:	1476541
Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.3	24.5
78	9.4	7.4	11.2

Instrument :

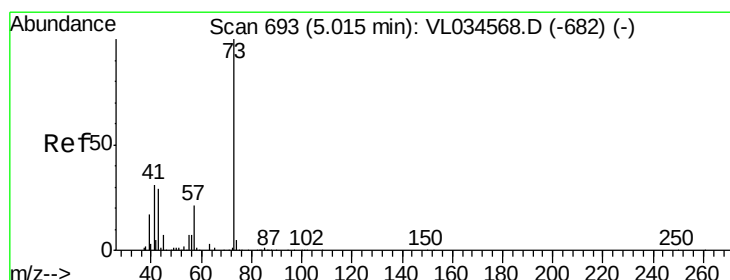
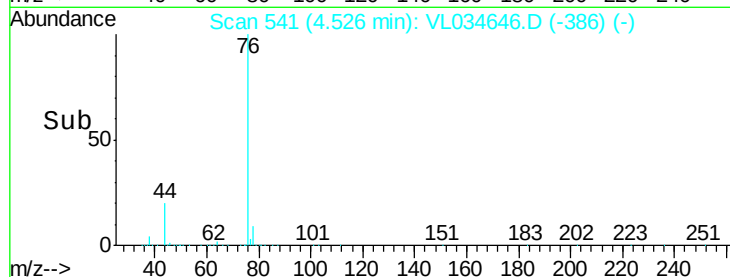
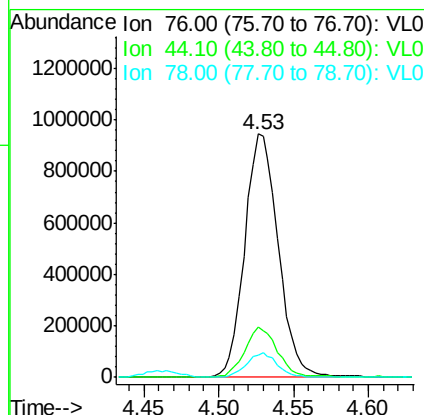
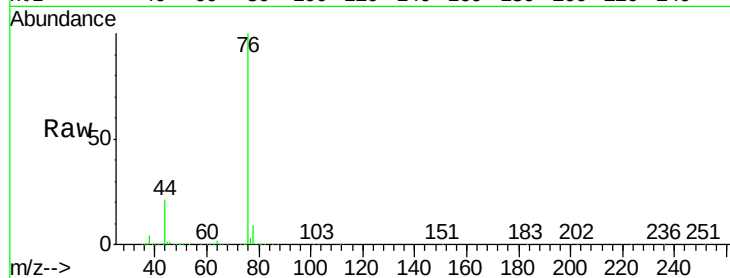
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.417 ppbv

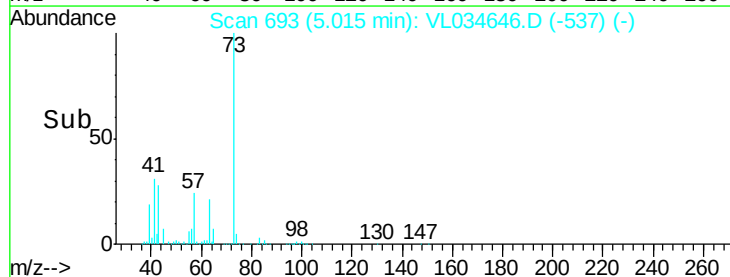
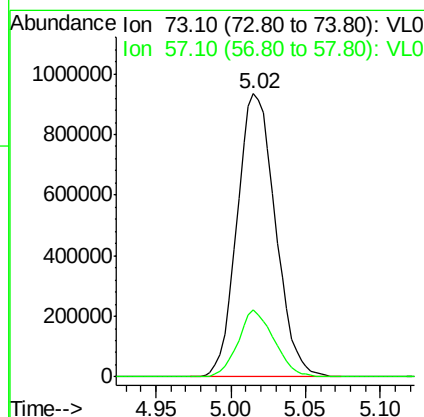
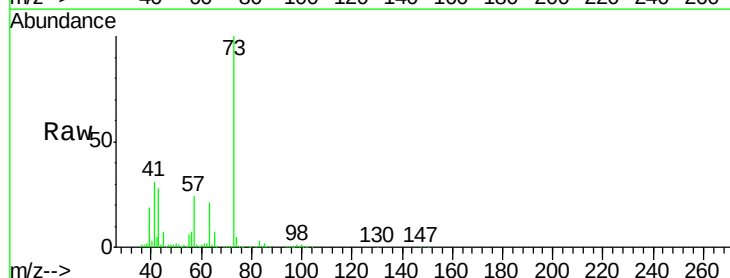
RT: 5.02 min Scan# 693

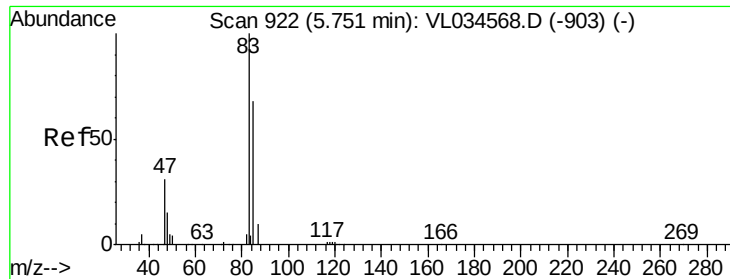
Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion:	73	Resp:	1664955
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9





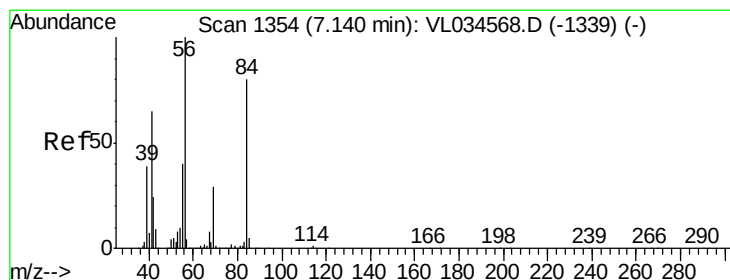
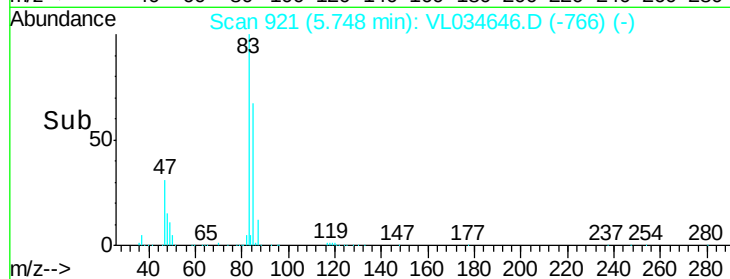
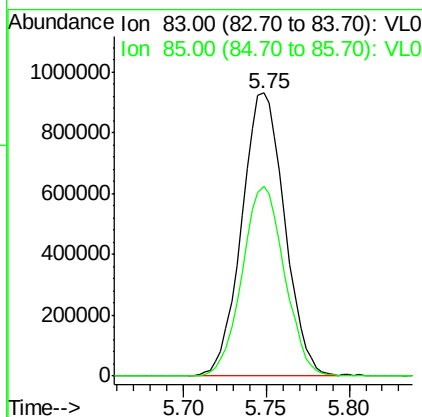
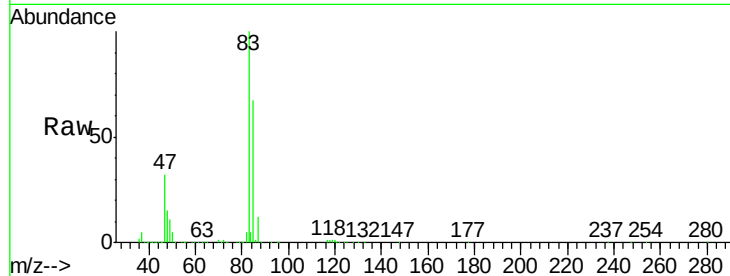
#29
Chloroform
Concen: 10.098 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1673375
Ion Ratio Lower Upper
83 100
85 67.1 54.0 81.0

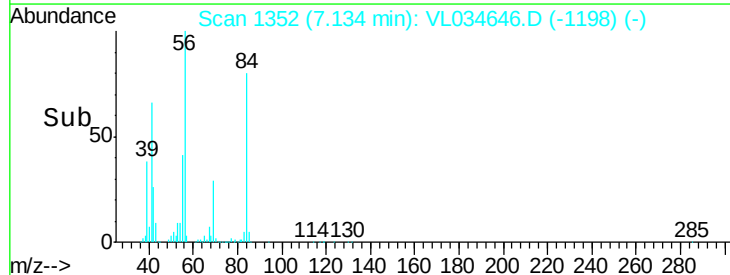
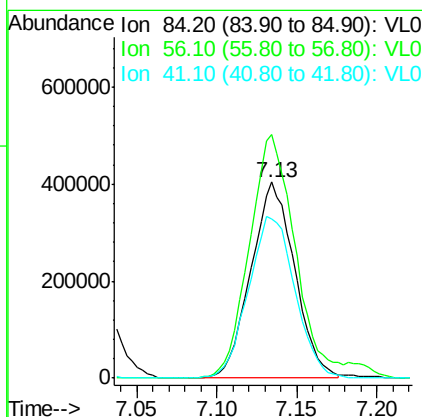
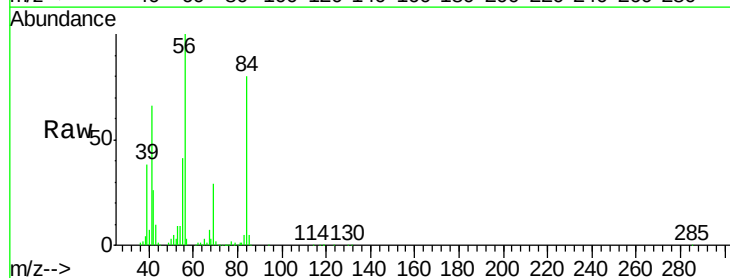
Manual Integrations
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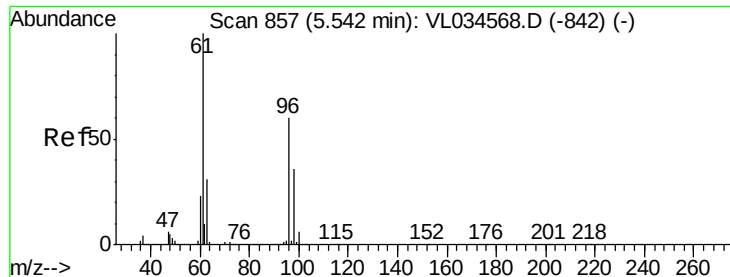
MMDadoda
2/21/2020 3:27:03 PM



#30
Cyclohexane
Concen: 10.945 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion: 84 Resp: 760080
Ion Ratio Lower Upper
84 100
56 134.8 110.5 165.7
41 87.6 71.9 107.9





#31

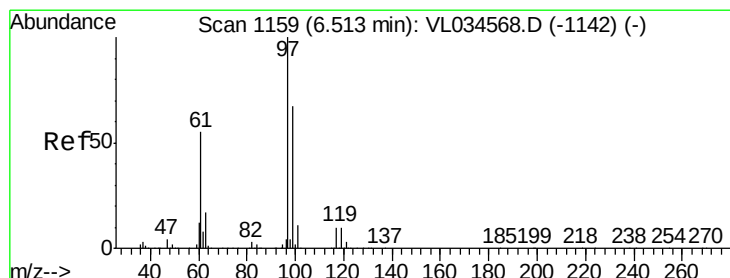
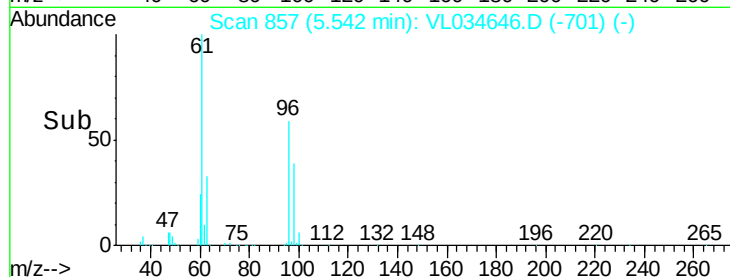
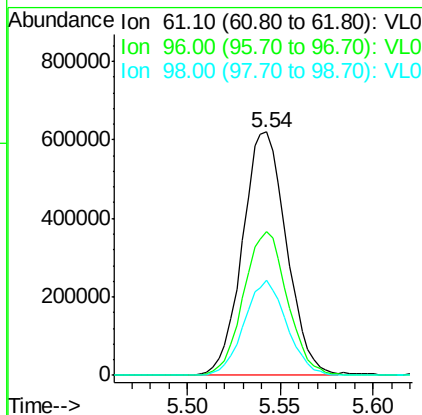
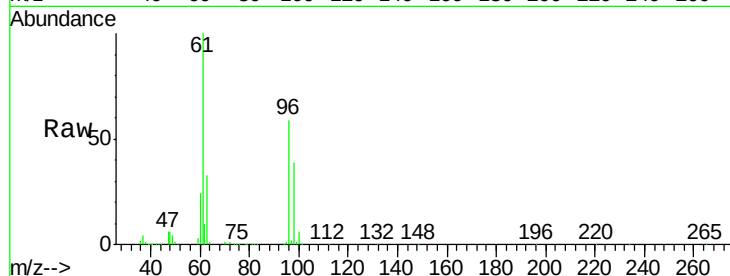
cis-1,2-Dichloroethene
Concen: 10.490 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.9	48.0	72.0
98	39.1	28.6	43.0

Manual Integrations
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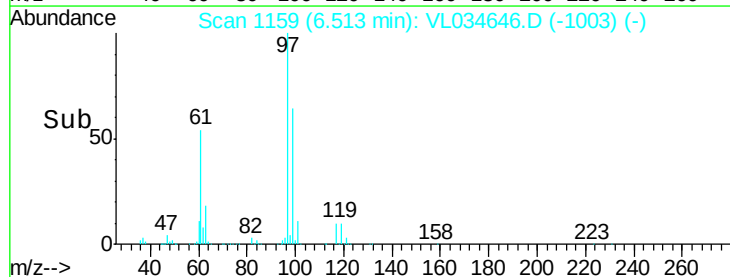
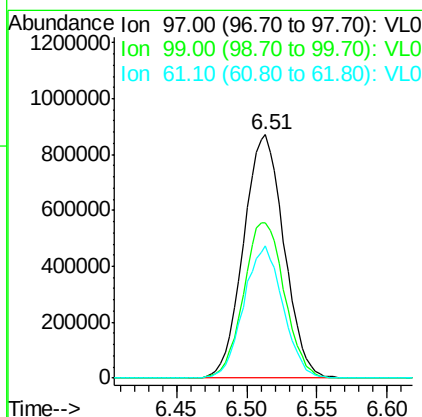
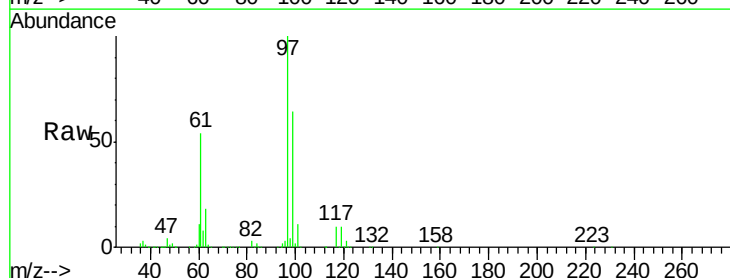
MMDadoda
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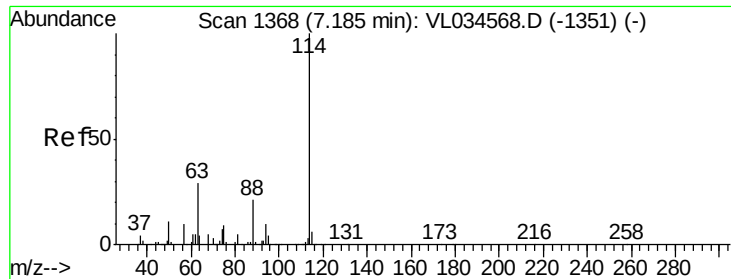


#32

1,1,1-Trichloroethane
Concen: 9.853 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	52.7	43.0	64.4





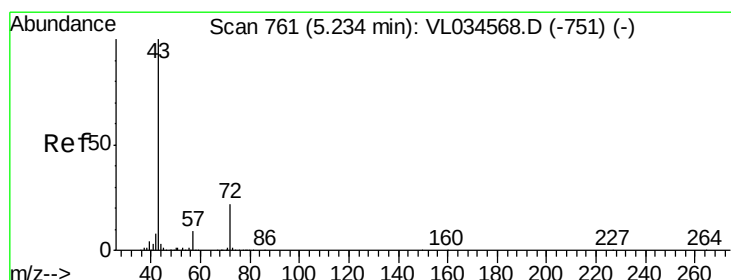
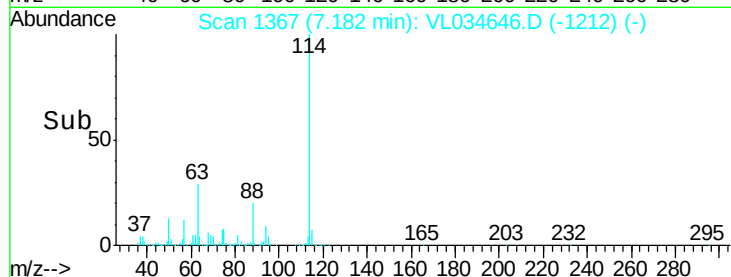
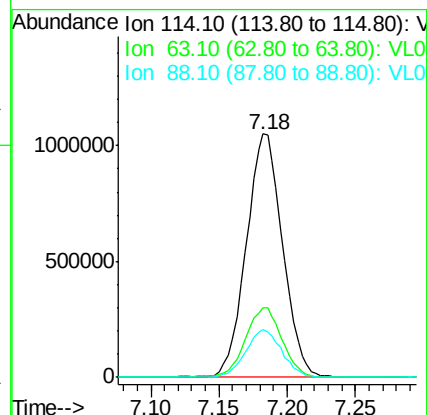
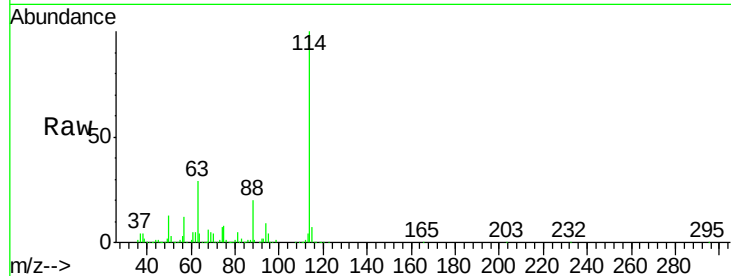
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	19.4	15.9	23.9

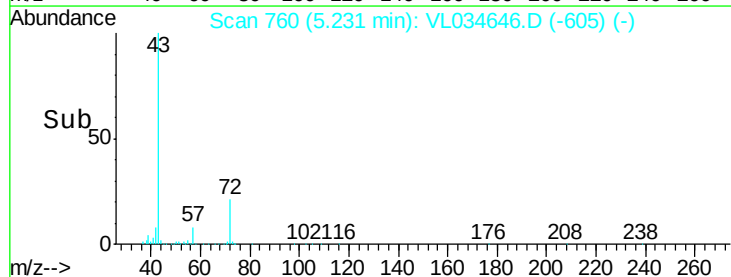
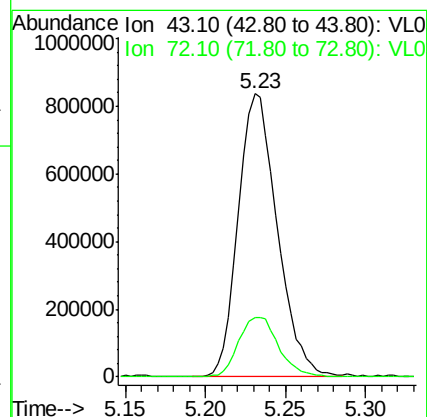
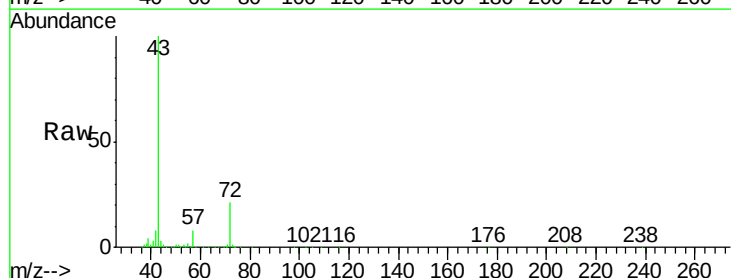
Manual Integrations
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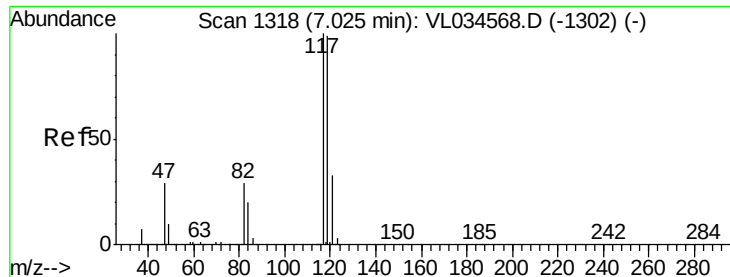
MMDadoda
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#34
 2-Butanone
 Concen: 9.874 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.2	25.8





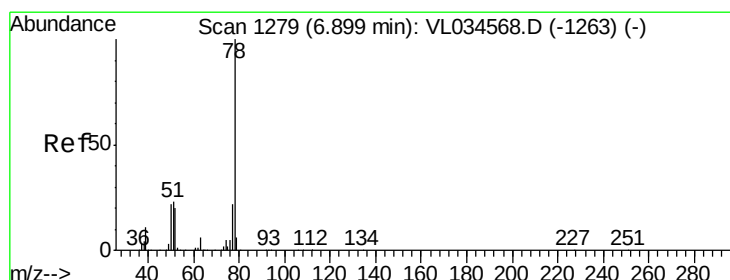
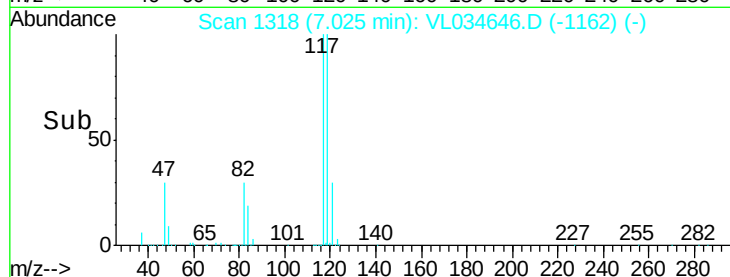
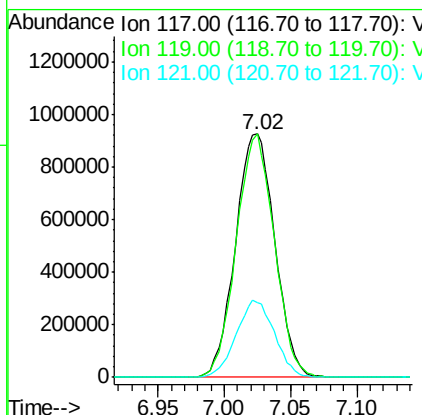
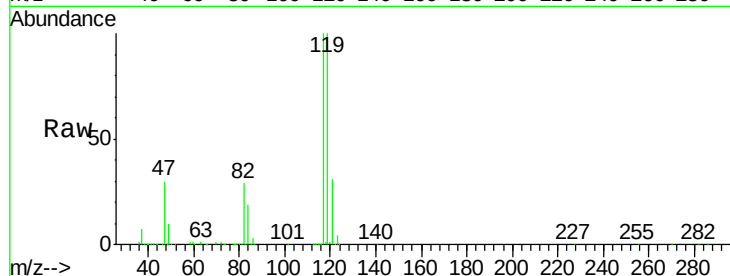
#35
Carbon Tetrachloride
Concen: 10.280 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.9	79.5	119.3
121	30.6	26.2	39.2

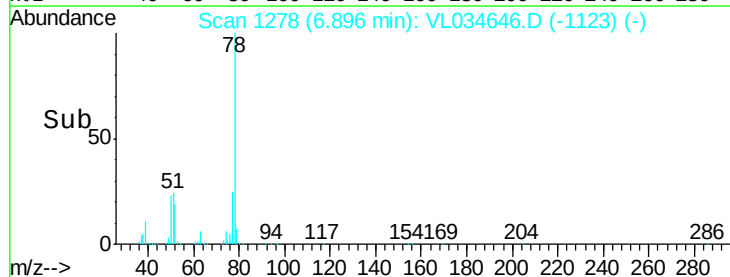
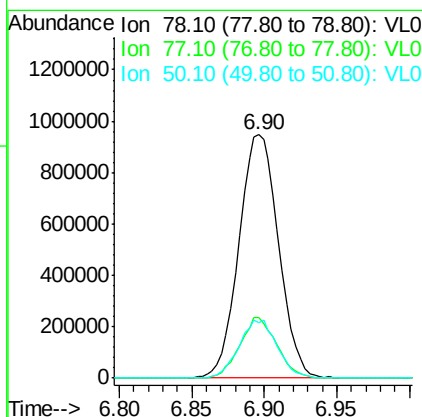
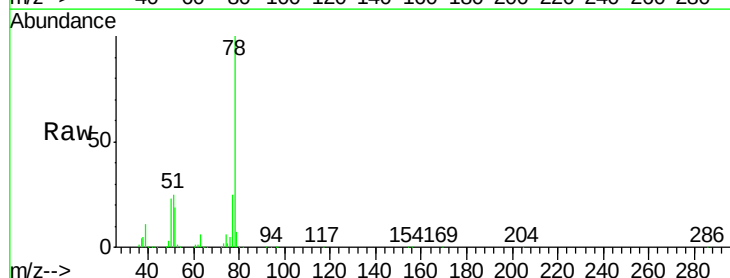
Manual Integrations
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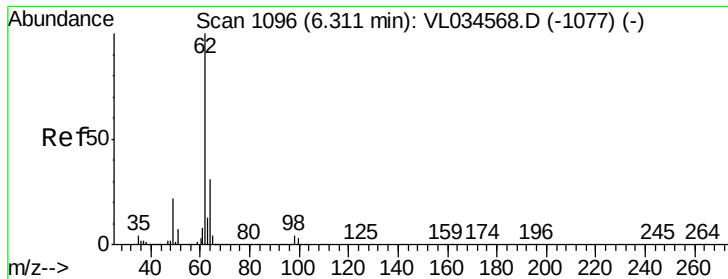
MMDadoda
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#36
Benzene
Concen: 10.445 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	17.3	25.9
50	22.9	17.4	26.2





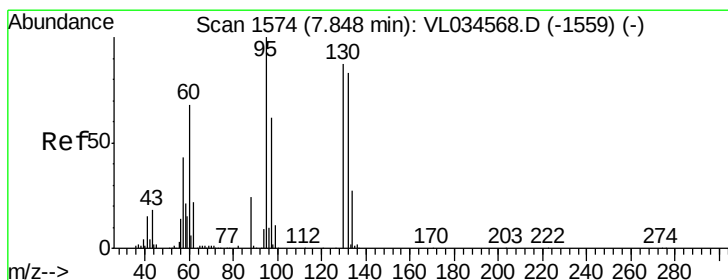
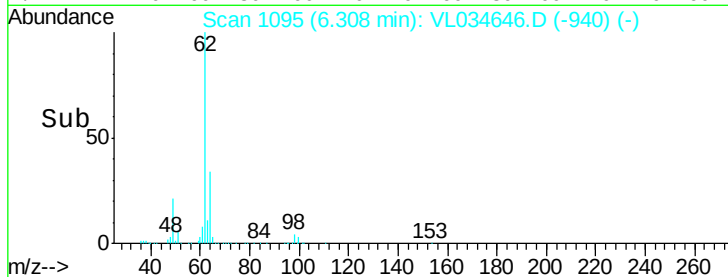
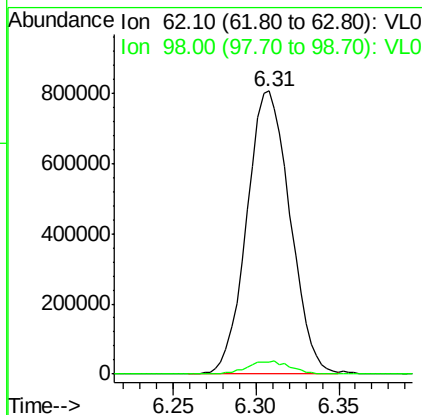
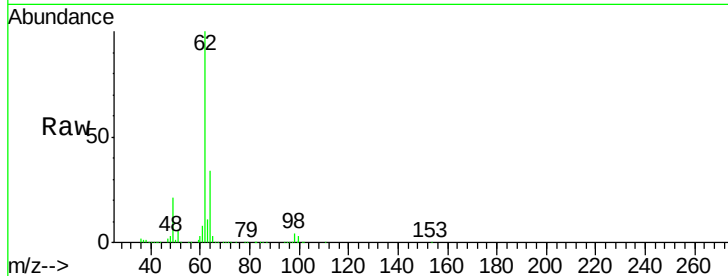
#37
 1,2-Dichloroethane
 Concen: 10.184 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.5	3.7	5.5

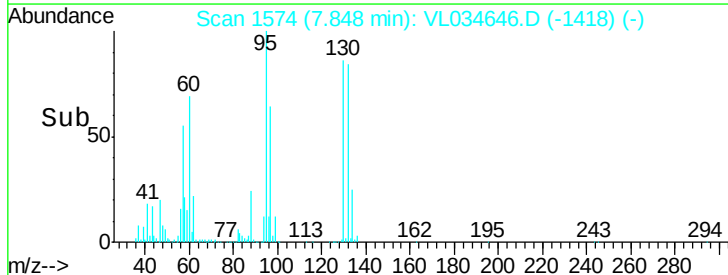
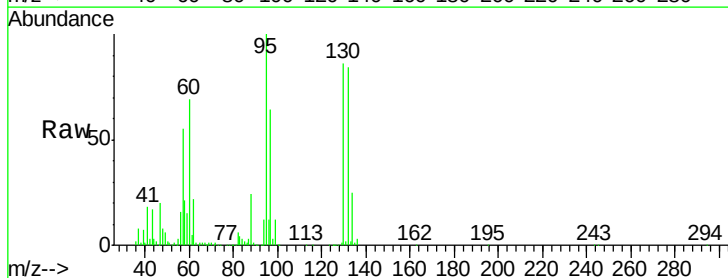
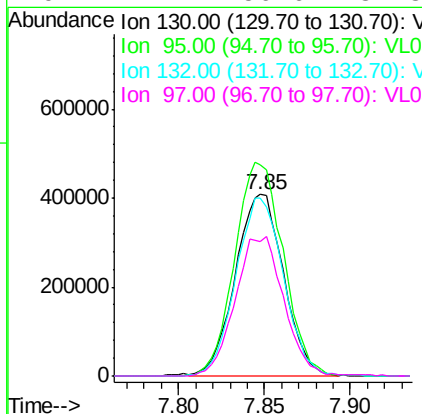
Manual Integrations
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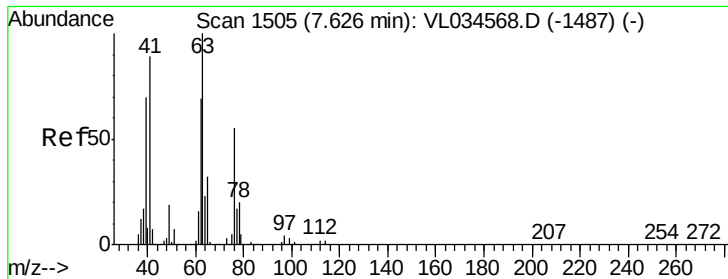
MMDadoda
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#38
 Trichloroethene
 Concen: 10.906 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.9	91.6	137.4
132	97.6	76.1	114.1
97	74.1	56.6	84.8





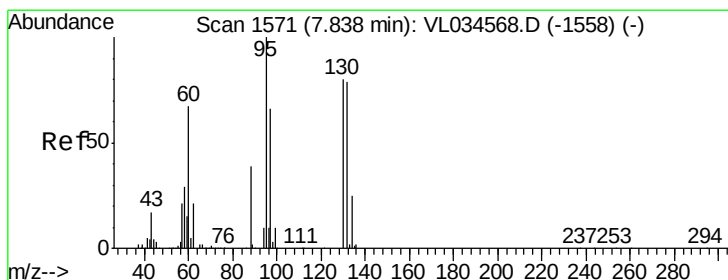
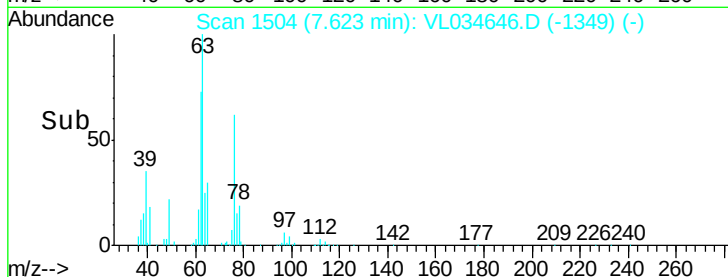
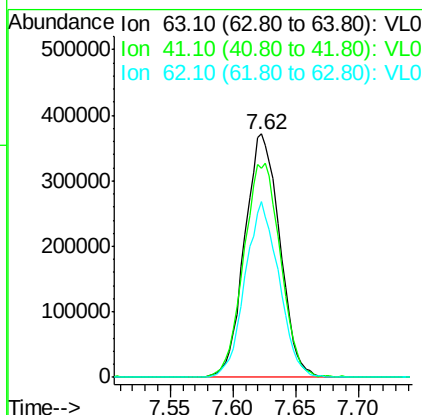
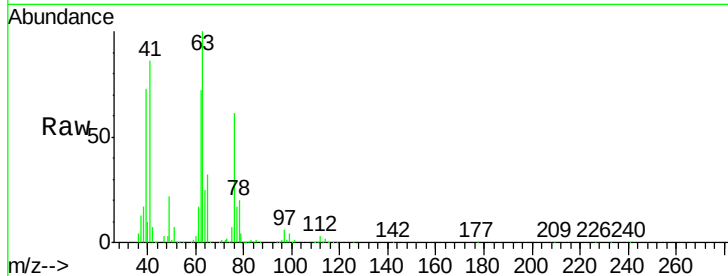
#39
 1,2-Dichloropropane
 Concen: 10.121 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	86.1	71.0	106.4
62	72.4	55.4	83.0

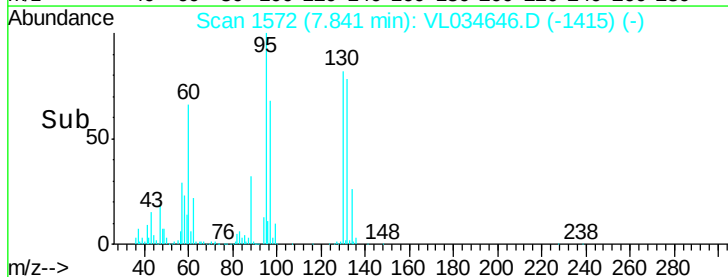
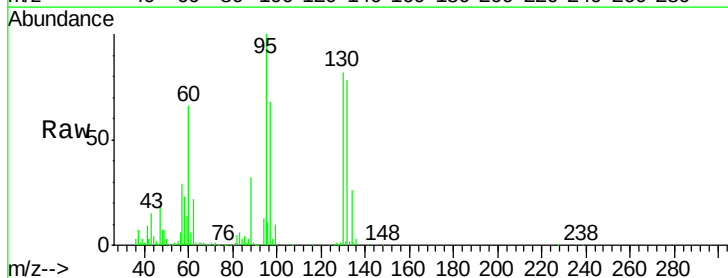
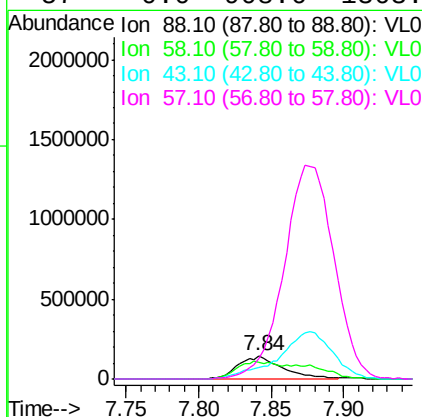
Manual Integrations
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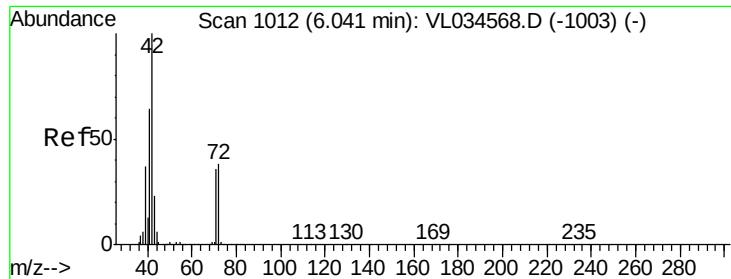
MMDadoda
 2/21/2020 3:27:03 PM



#40
 1,4-Dioxane
 Concen: 11.026 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.3	107.8	161.8
43	0.0	220.9	331.3#
57	0.0	908.6	1363.0#





#41

Tetrahydrofuran

Concen: 10.095 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

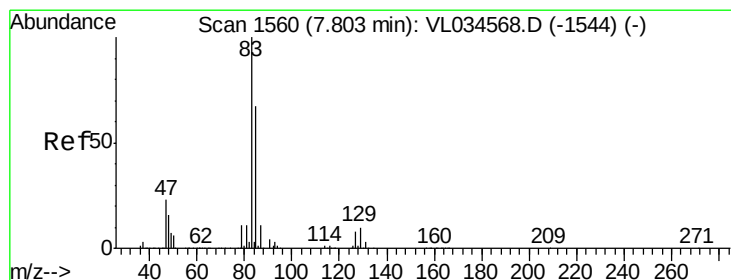
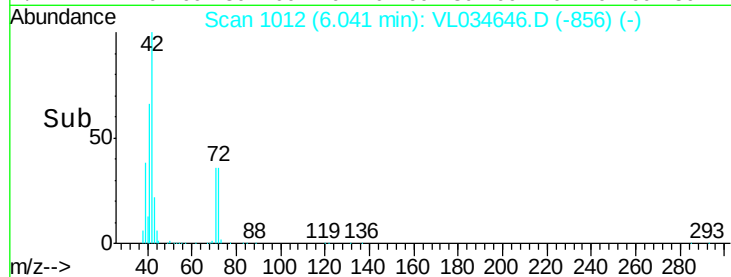
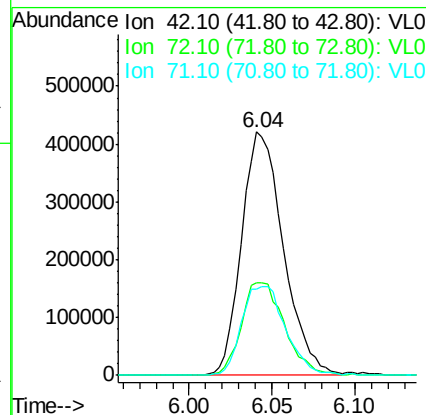
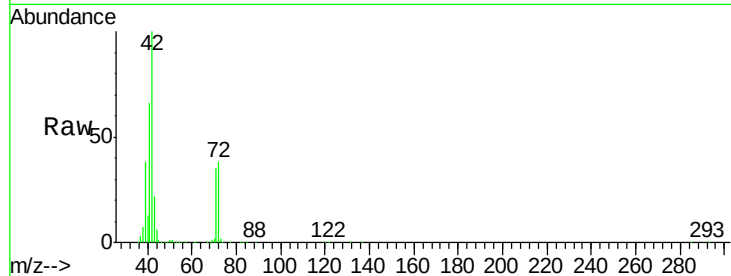
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	740691
Ion Ratio		Lower	Upper
42	100		
72	39.7	31.8	47.8
71	38.7	30.2	45.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.391 ppbv

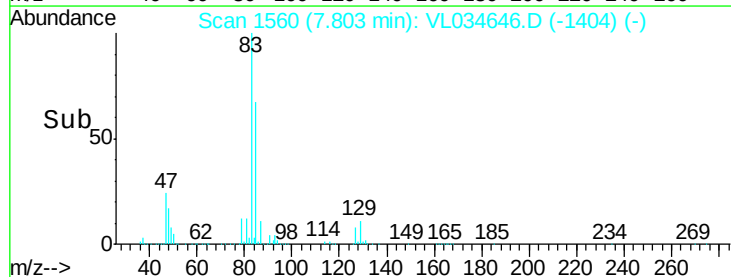
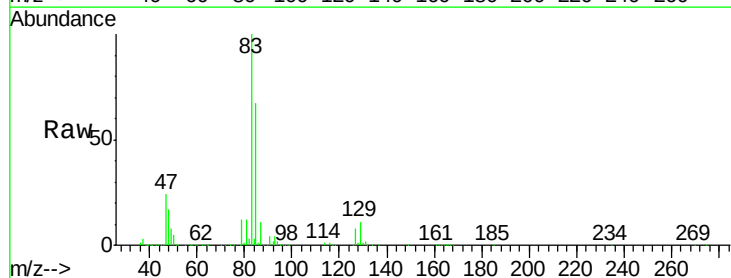
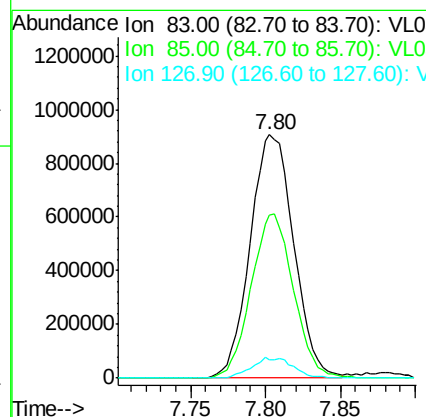
RT: 7.80 min Scan# 1560

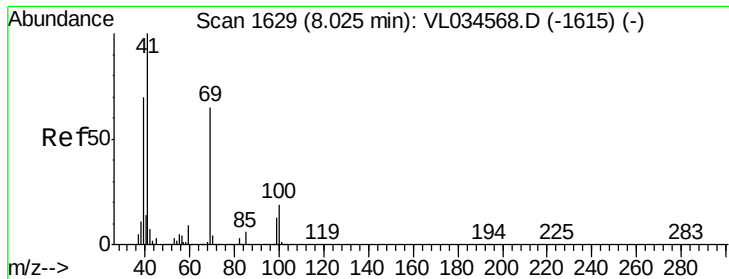
Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion:	83	Resp:	1838064
Ion Ratio		Lower	Upper
83	100		
85	66.9	53.2	79.8
127	7.6	6.5	9.7





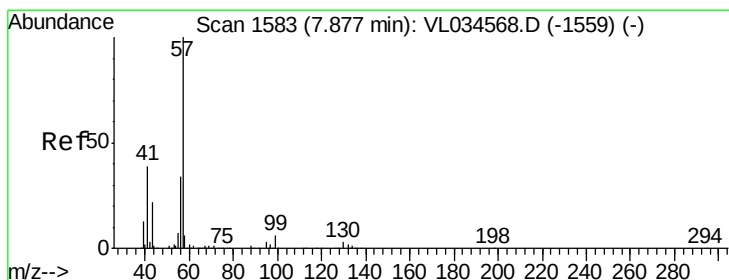
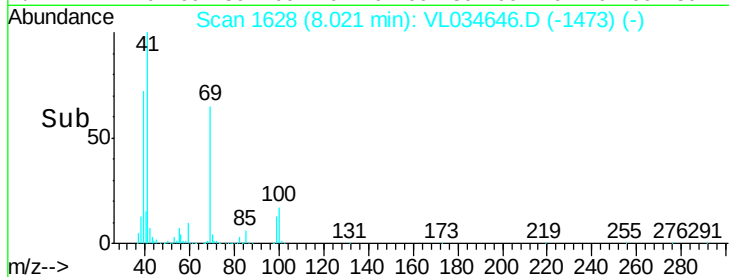
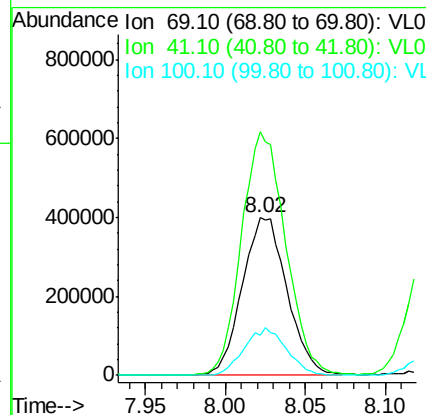
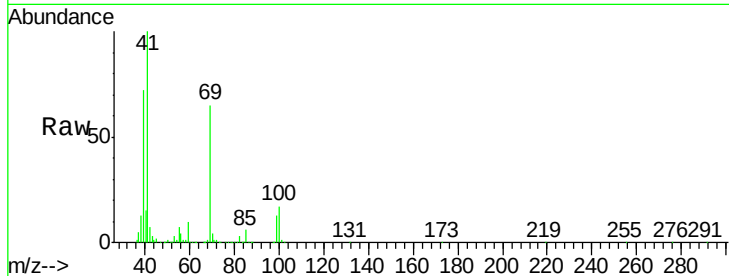
#43
Methvl Methacrylate
Concen: 11.045 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.0	123.9	185.9	
100	28.7	24.1	36.1	

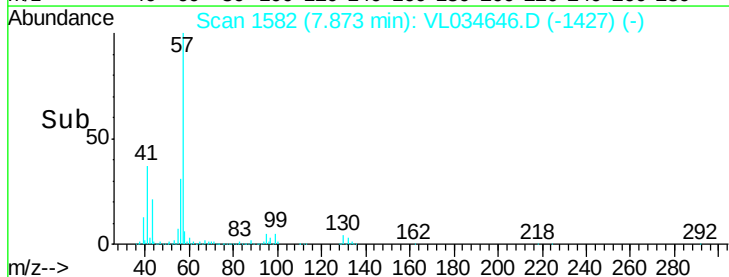
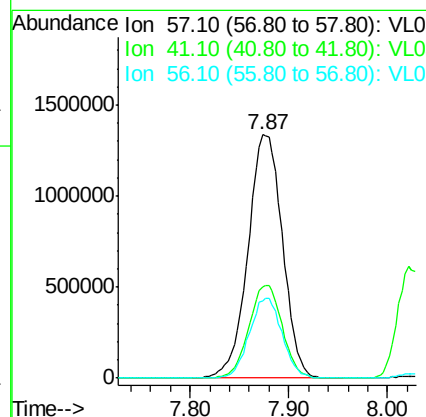
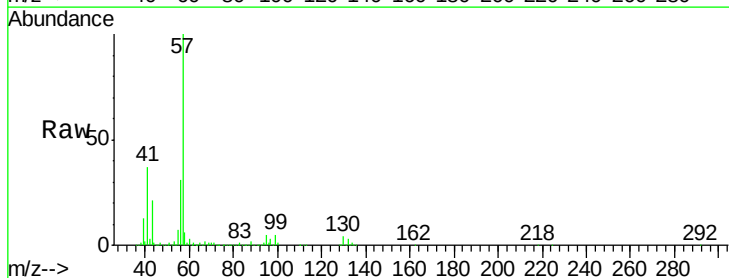
Manual Integrations
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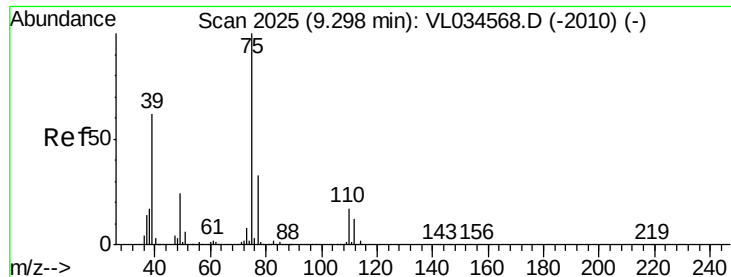
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#44
2,2,4-Trimethylpentane
Concen: 10.309 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	37.0	28.9	43.3	
56	31.3	25.5	38.3	





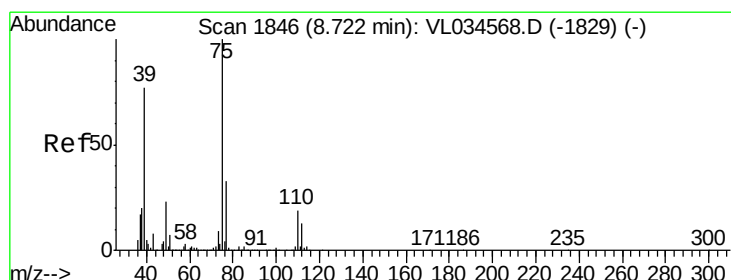
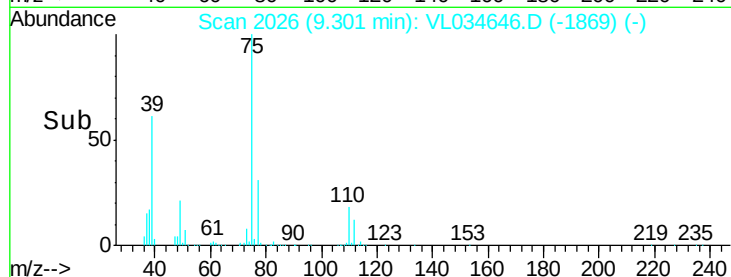
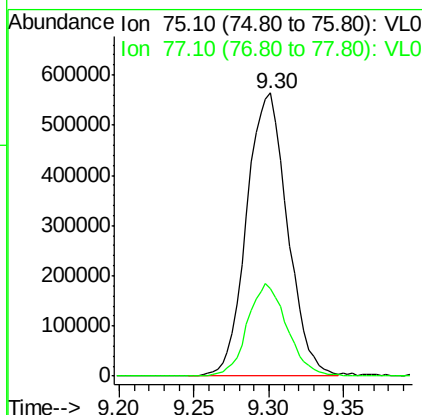
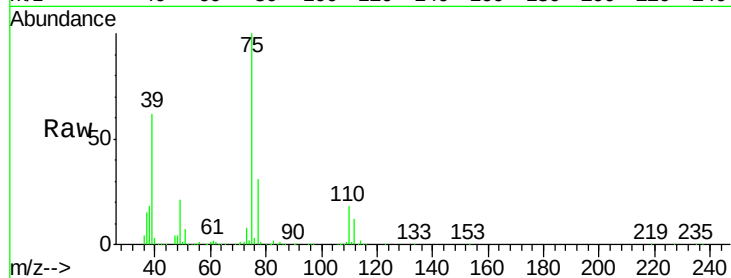
#45
t-1,3-Dichloropropene
Concen: 11.810 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1071451
Ion Ratio Lower Upper
75 100
77 31.0 26.7 40.1

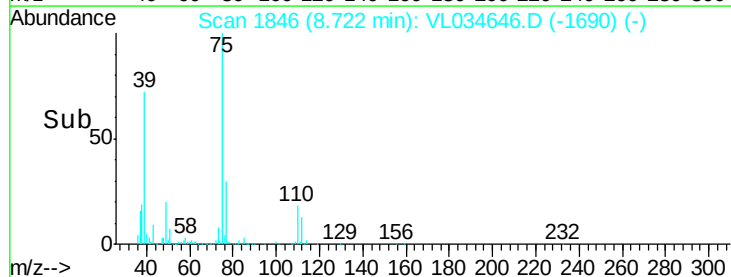
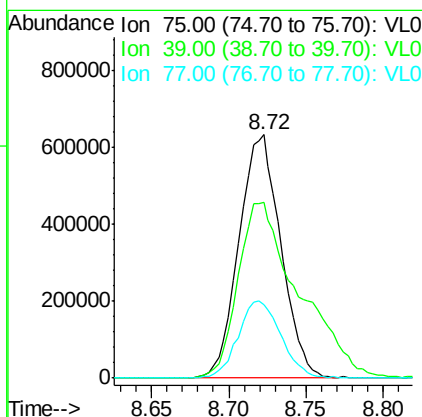
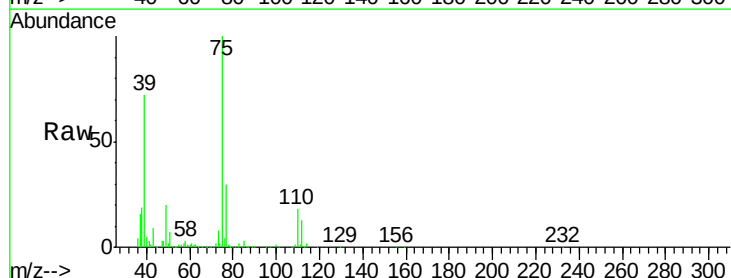
Manual Integrations
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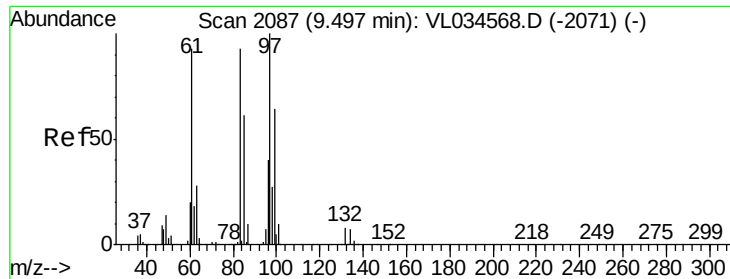
MMDadoda
2/21/2020 3:27:03 PM



#46
cis-1,3-Dichloropropene
Concen: 11.568 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion: 75 Resp: 1192859
Ion Ratio Lower Upper
75 100
39 72.0 61.9 92.9
77 30.0 26.1 39.1





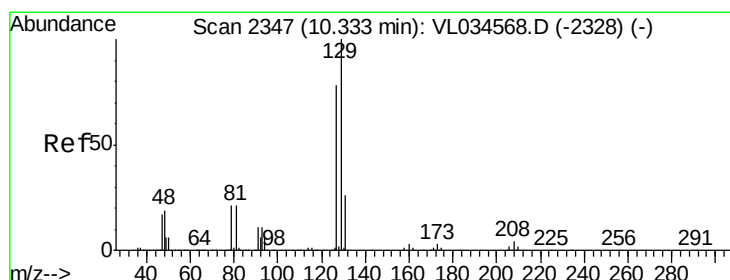
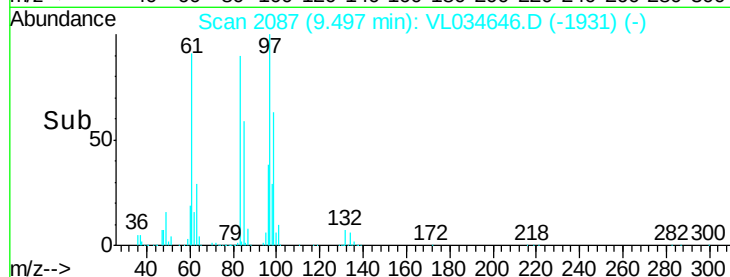
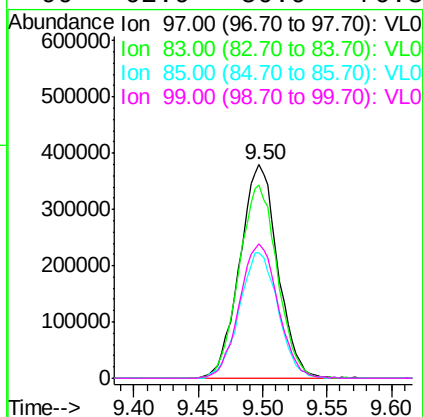
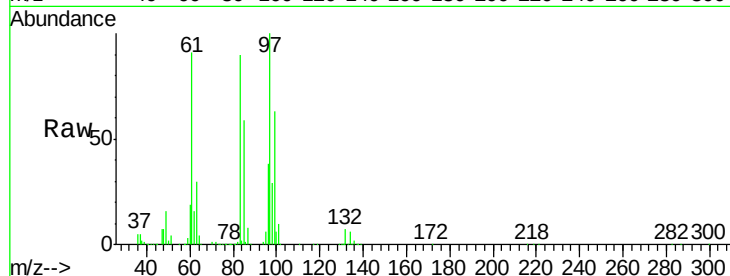
#47
 1,1,2-Trichloroethane
 Concen: 10.063 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		778351		
83	90.4	74.4	111.6		
85	58.7	49.2	73.8		
99	62.9	50.9	76.3		

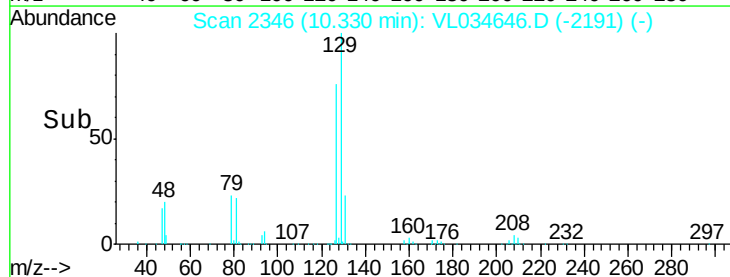
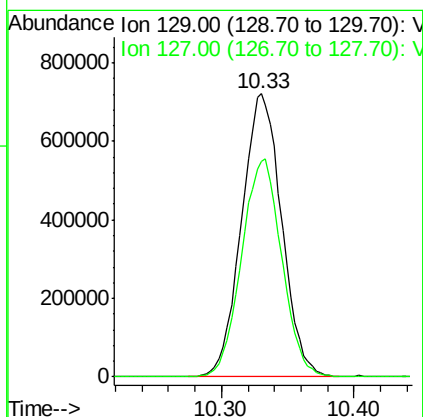
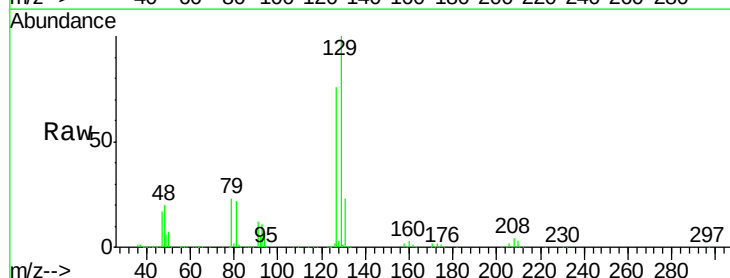
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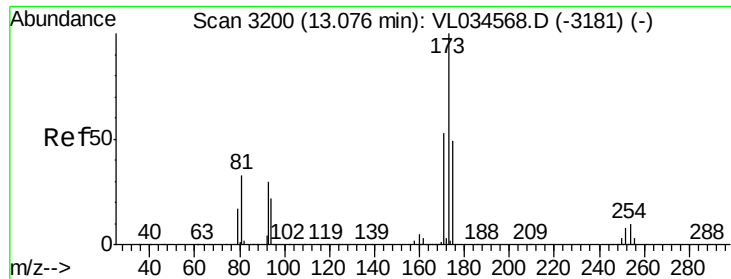
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.702 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1516786		
127	77.2	39.1	117.2		





#49

Bromoform

Concen: 10.585 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1317119

Ion Ratio Lower Upper

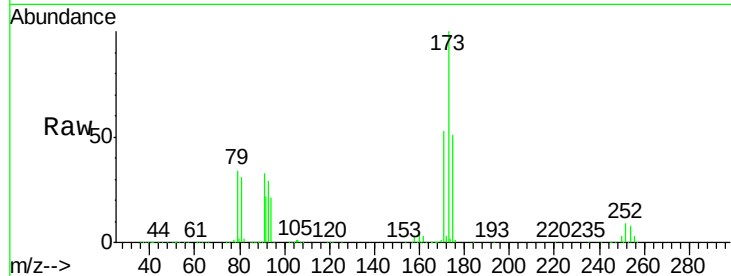
173 100

175 49.5 39.7 59.5

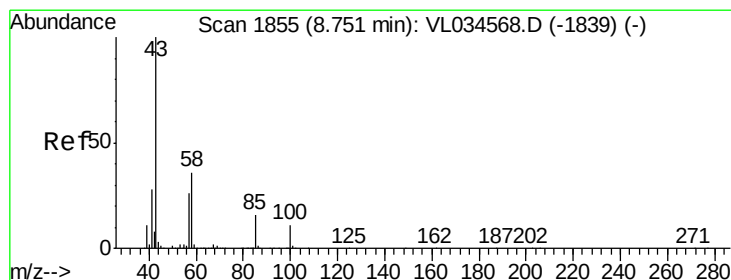
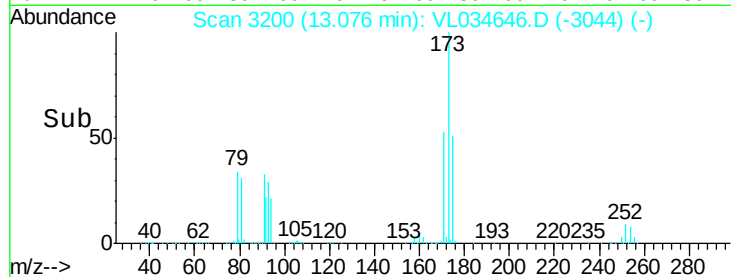
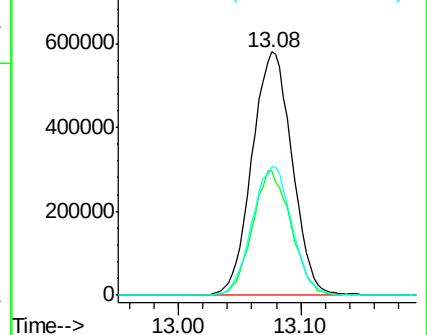
171 52.8 41.6 62.4

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



#50

4-Methyl-2-Pentanone

Concen: 10.436 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL034646.D

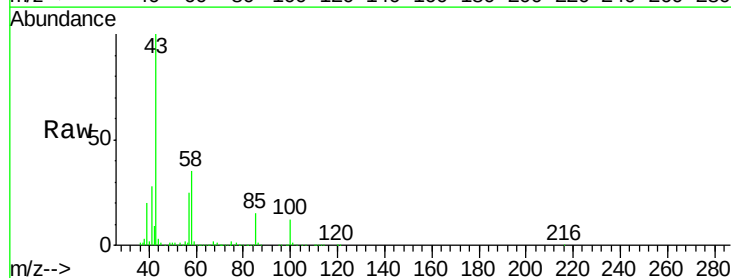
Acq: 19 Feb 2020 9:22

Tgt Ion: 43 Resp: 2093265

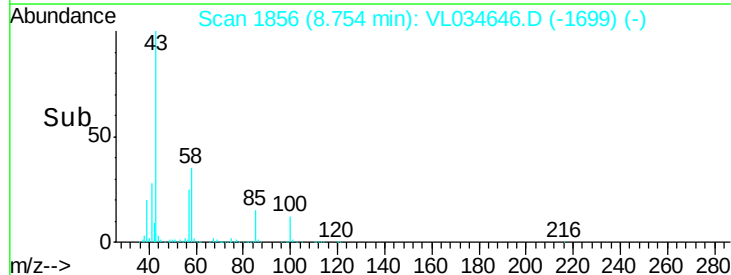
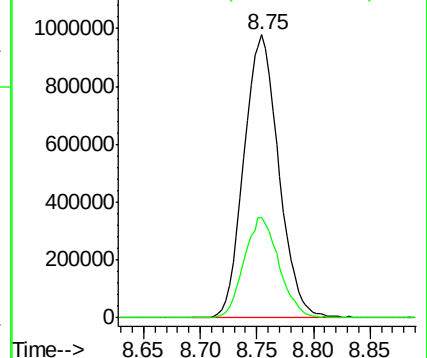
Ion Ratio Lower Upper

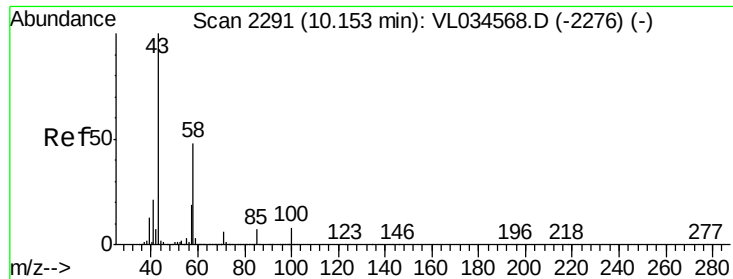
43 100

58 35.7 28.6 43.0



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





#51

2-Hexanone

Concen: 10.689 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1687777

Ion Ratio Lower Upper

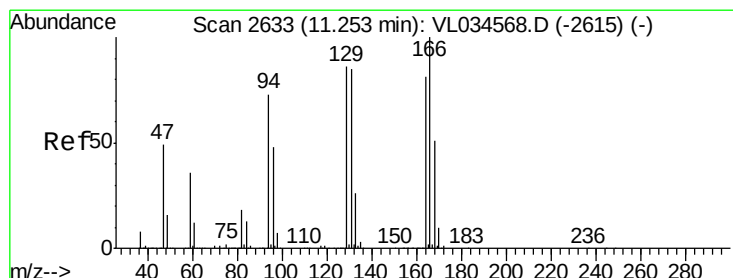
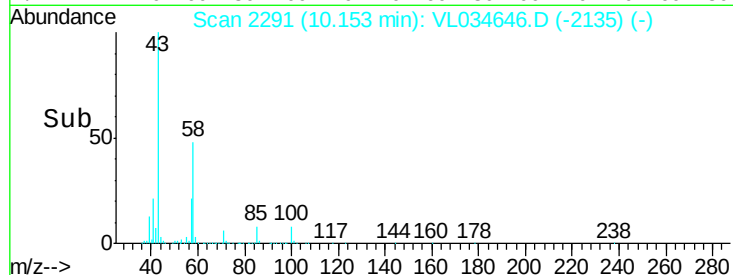
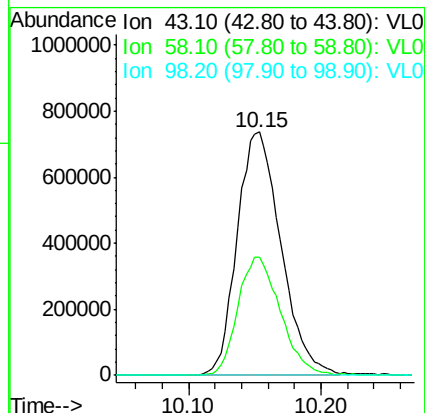
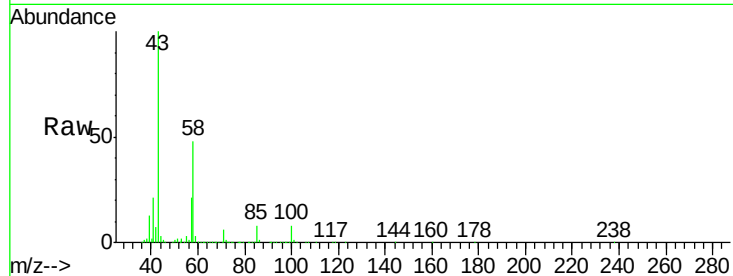
43 100

58 47.5 37.9 56.9

98 0.3 0.3 0.5#

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#52

Tetrachloroethene

Concen: 10.182 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion: 164 Resp: 704591

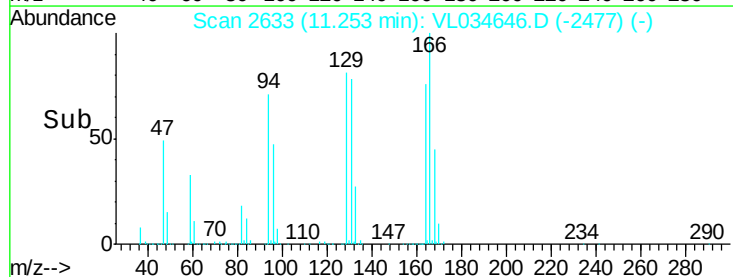
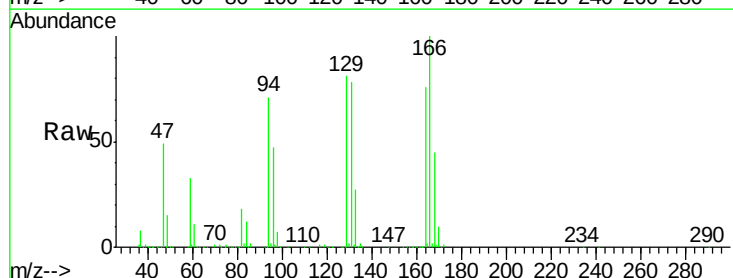
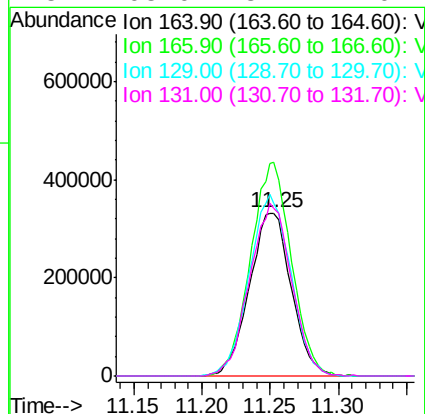
Ion Ratio Lower Upper

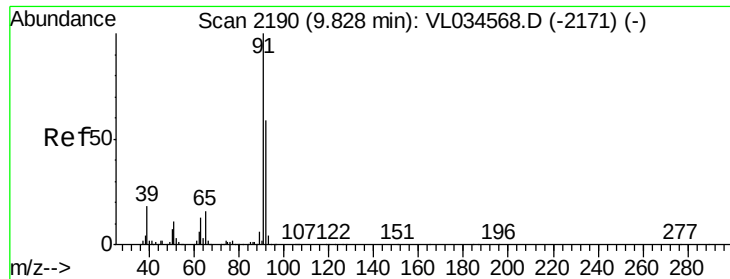
164 100

166 131.3 99.0 148.4

129 105.9 85.3 127.9

131 103.0 84.2 126.2





#53

Toluene

Concen: 11.190 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2117559

Ion Ratio Lower Upper

91 100

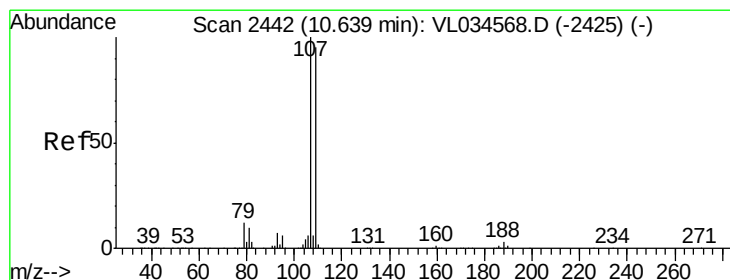
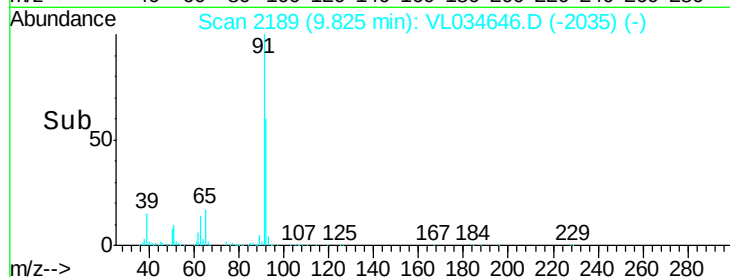
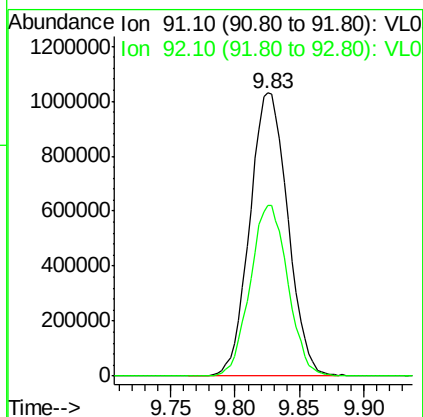
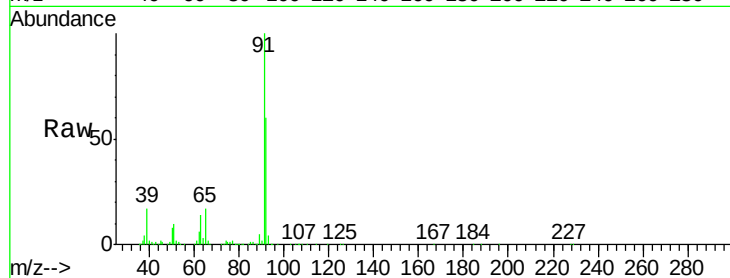
92 59.7 48.2 72.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.296 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL034646.D

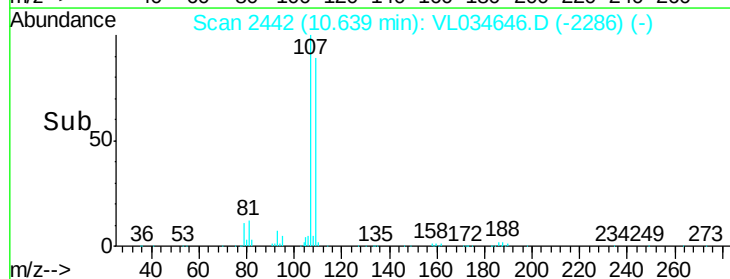
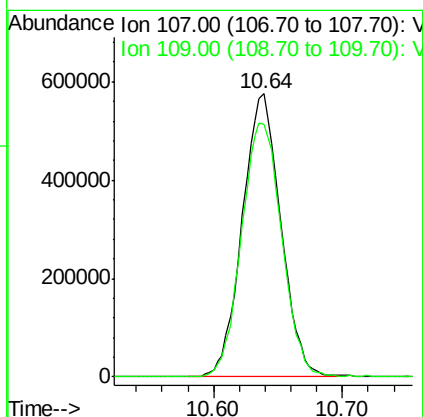
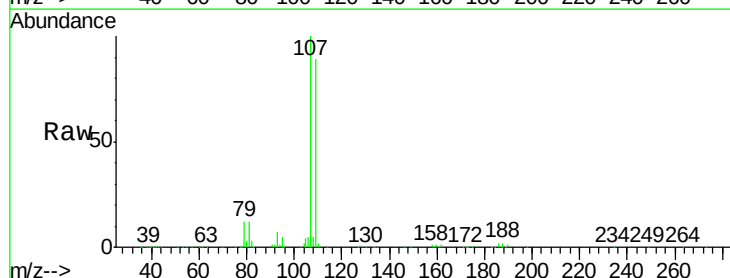
Acq: 19 Feb 2020 9:22

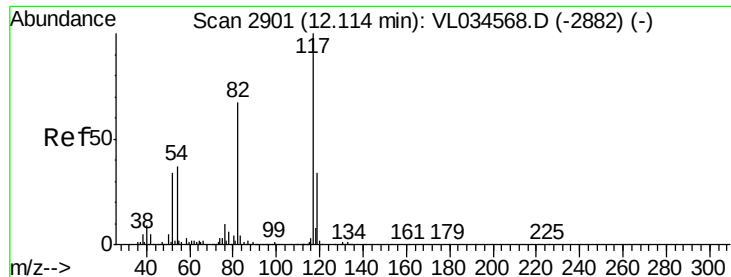
Tgt Ion:107 Resp: 1193324

Ion Ratio Lower Upper

107 100

109 89.2 75.9 113.9





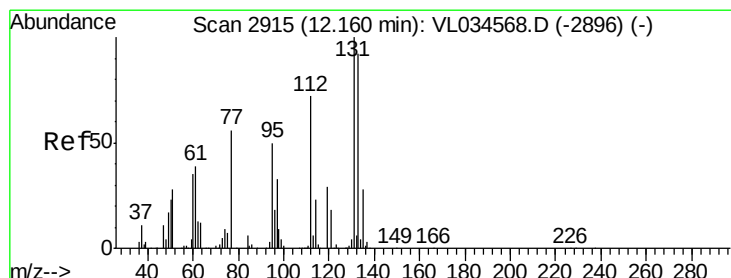
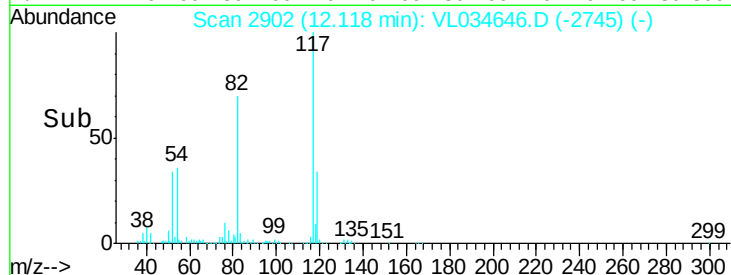
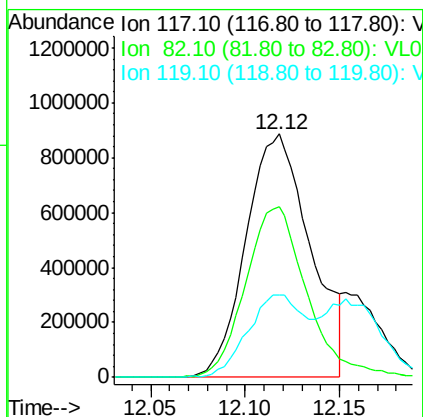
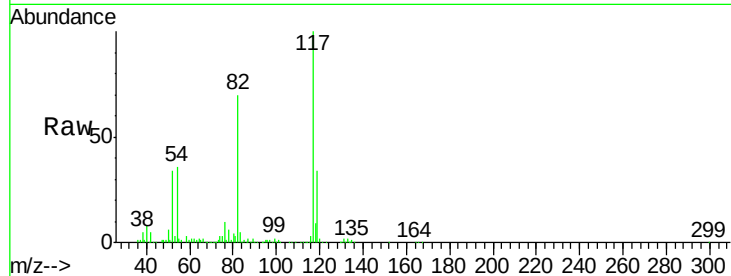
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2105000
Ion Ratio Lower Upper
117 100
82 67.1 54.2 81.4
119 33.0 26.1 39.1

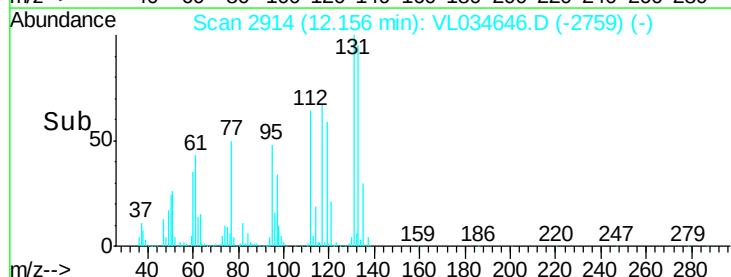
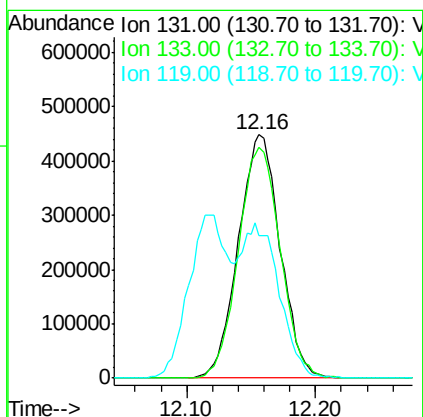
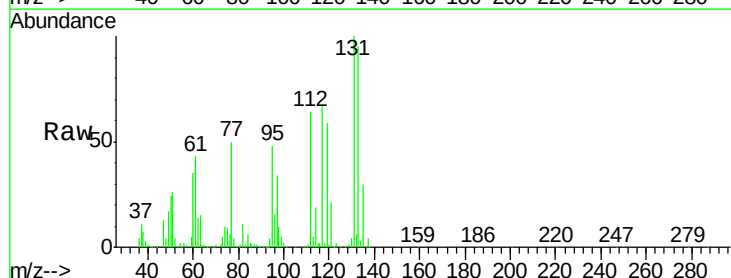
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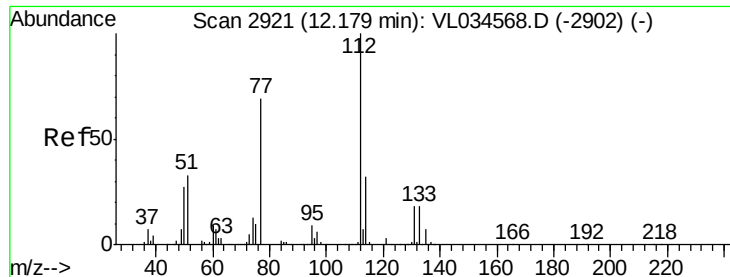
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.710 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion:131 Resp: 1009110
Ion Ratio Lower Upper
131 100
133 95.9 75.8 113.8
119 62.6 47.0 70.6





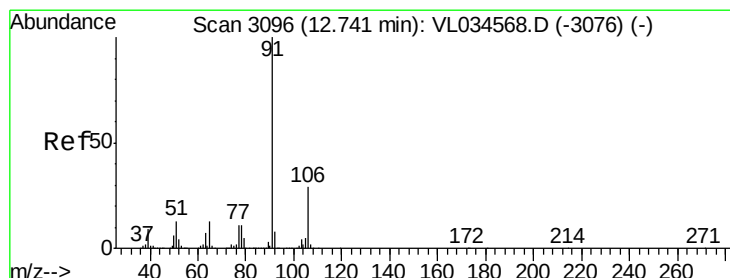
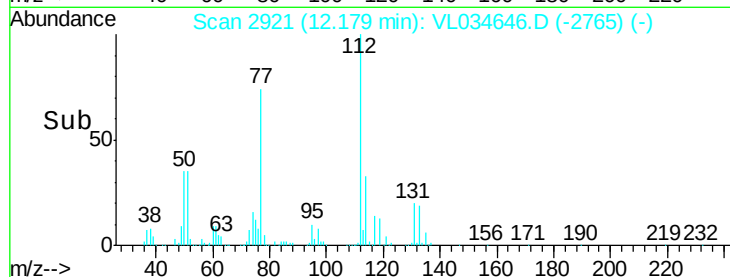
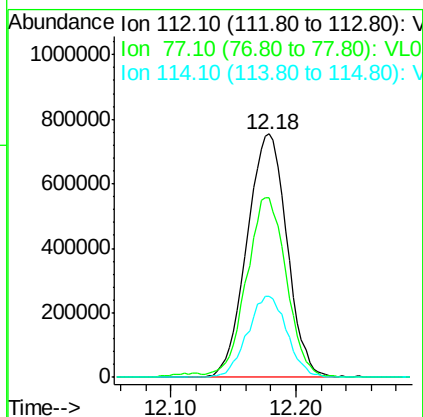
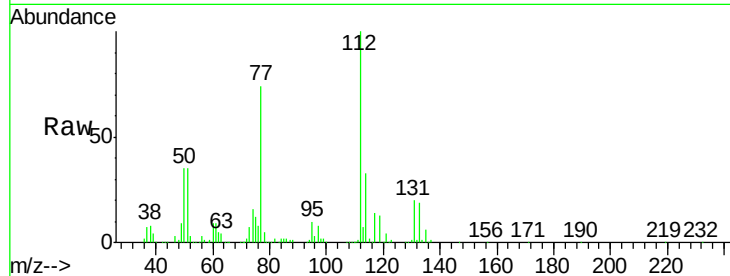
#57
Chlorobenzene
Concen: 9.652 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	73.4	56.5	84.7
114	33.2	29.2	35.6

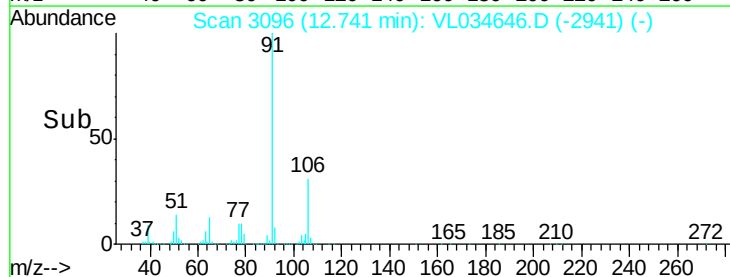
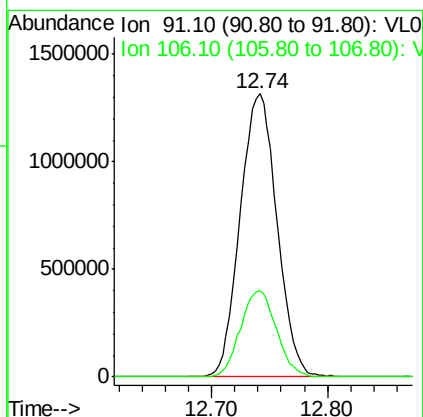
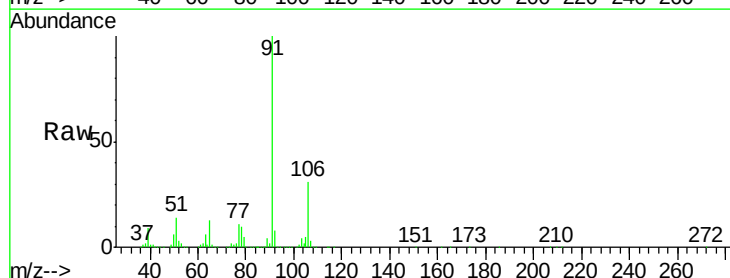
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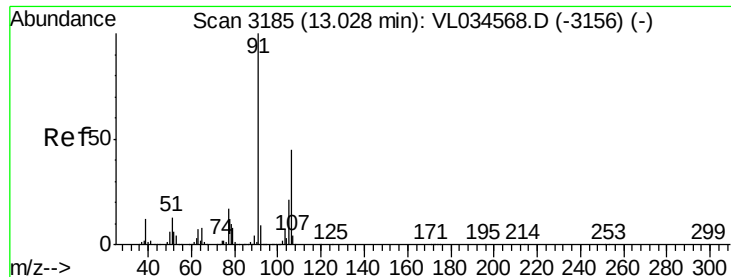
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#58
Ethyl Benzene
Concen: 10.342 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.3	34.9





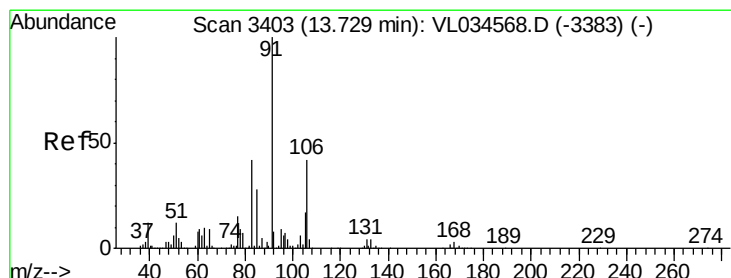
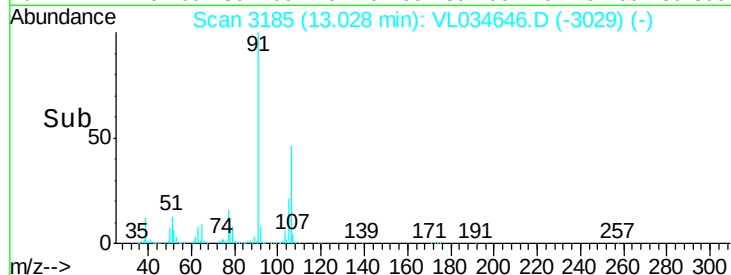
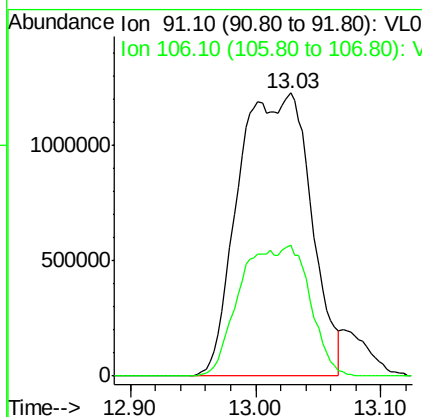
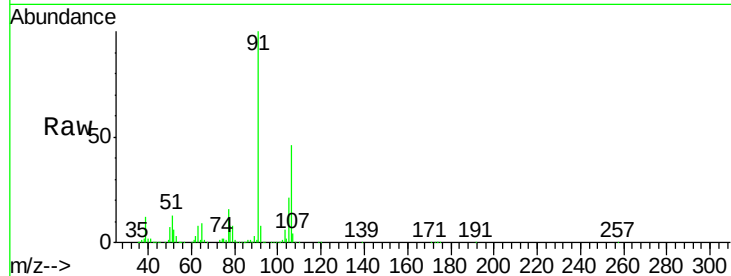
#59
m/p-Xylene
Concen: 19.747 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4917055
Ion Ratio Lower Upper
91 100
106 44.3 35.3 52.9

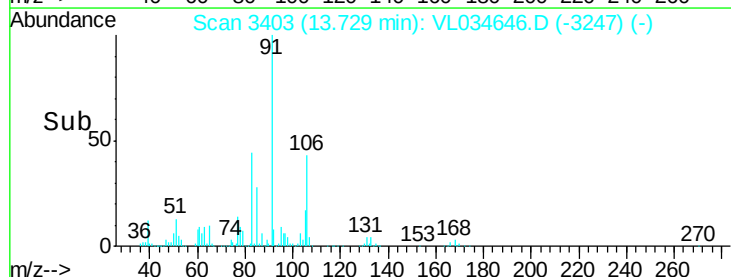
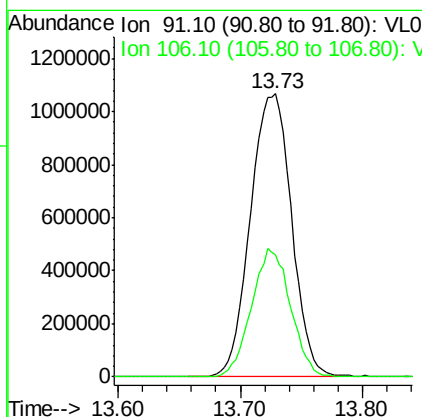
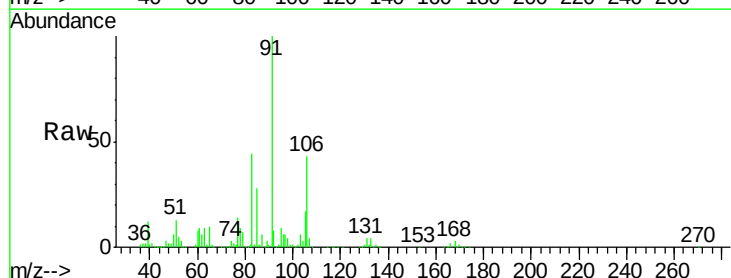
Manual Integrations
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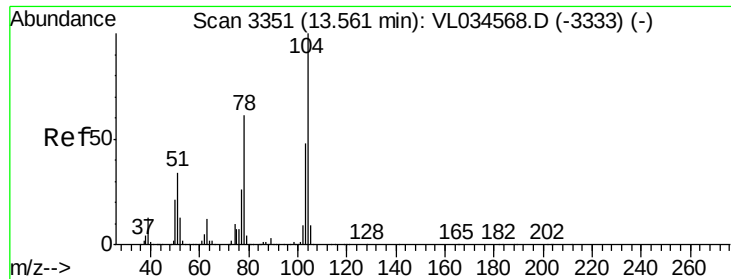
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#60
o-Xylene
Concen: 9.971 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion: 91 Resp: 2493410
Ion Ratio Lower Upper
91 100
106 42.8 21.6 65.0





#61

Stvrene

Concen: 10.624 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1771370

Ion Ratio Lower Upper

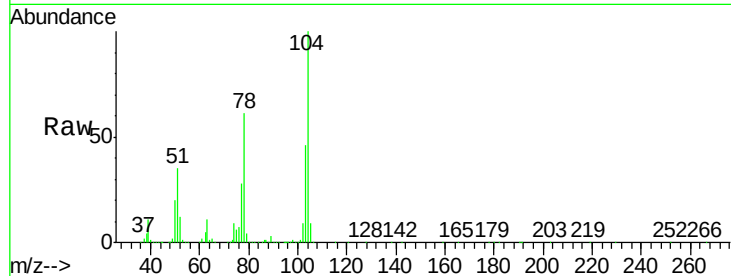
104 100

78 60.5 47.0 70.6

103 48.2 38.5 57.7

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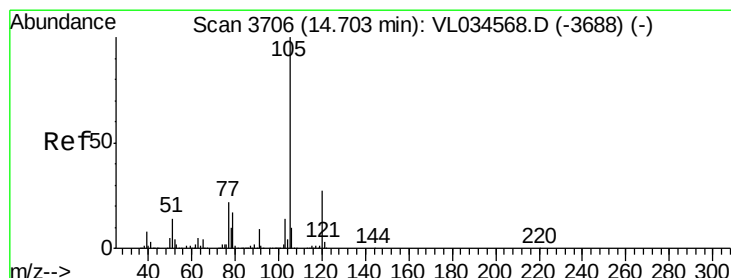
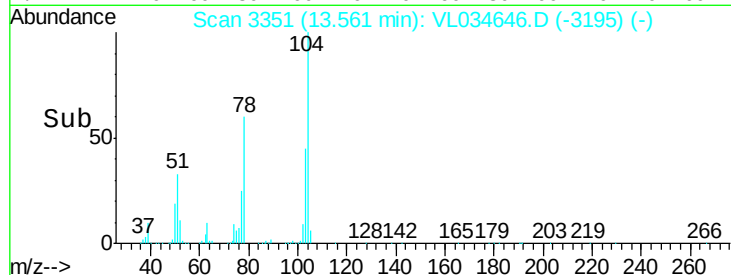
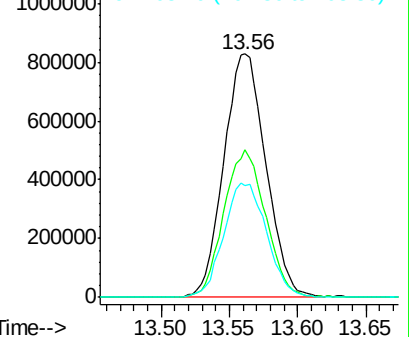
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.963 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL034646.D

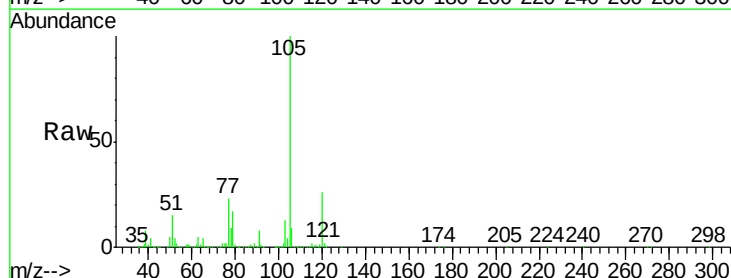
Acq: 19 Feb 2020 9:22

Tgt Ion:105 Resp: 3228543

Ion Ratio Lower Upper

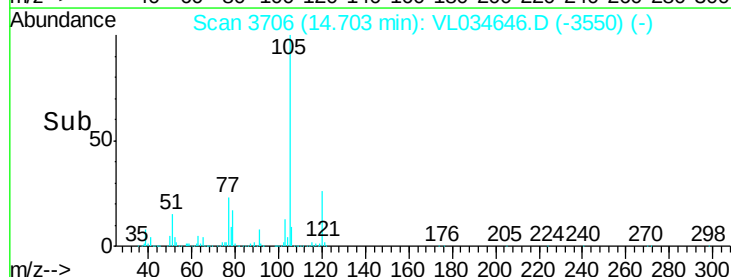
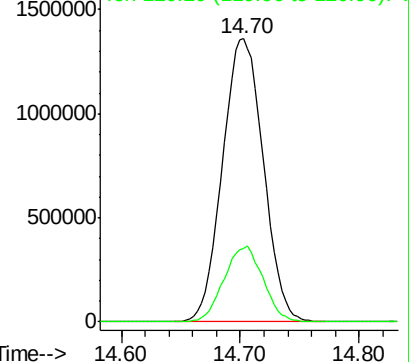
105 100

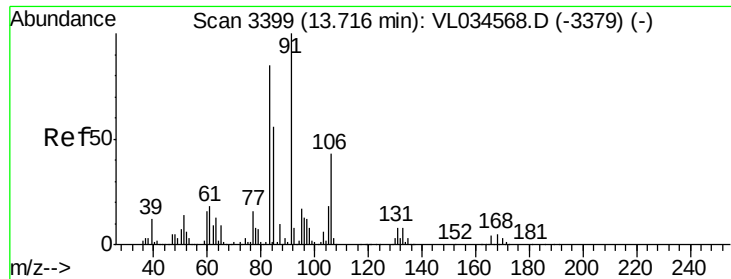
120 25.6 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





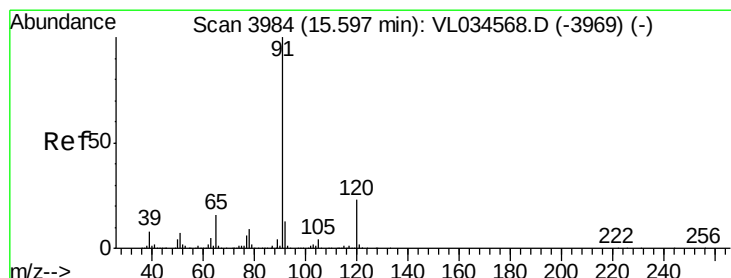
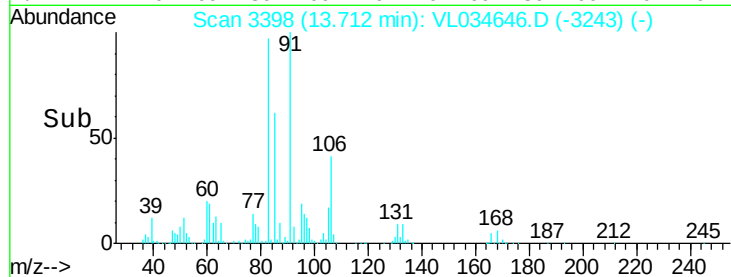
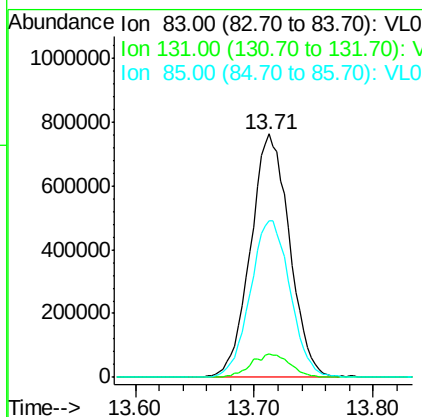
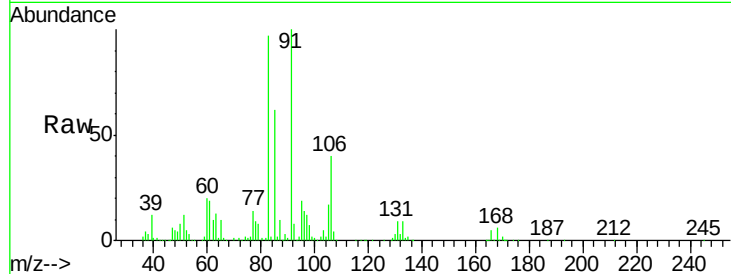
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.928 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	172692
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	66.1	32.6	98.0

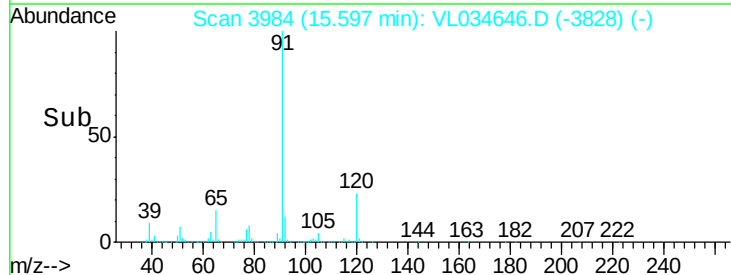
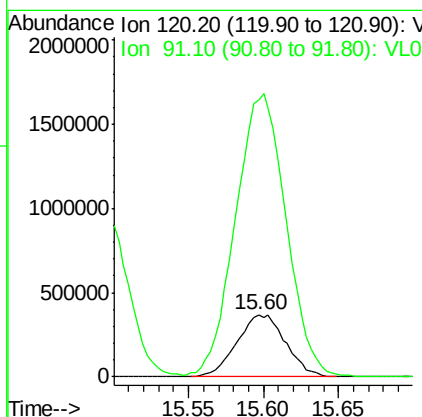
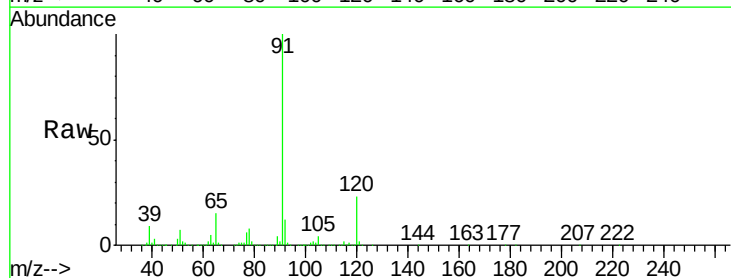
Manual Integrations
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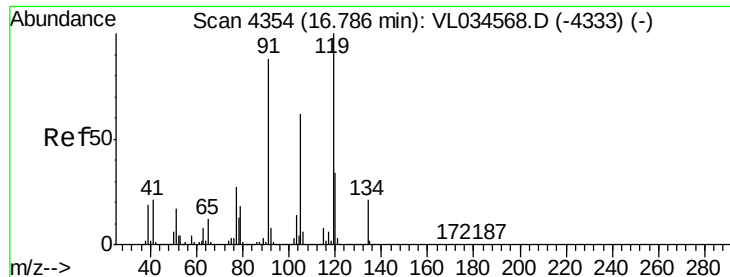
MMDadoda
 2/21/2020 3:27:03 PM



#64
 n-propylbenzene
 Concen: 10.042 ppbv m
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	120	Resp	837238
Ion Ratio	100	Lower	Upper
120	100		
91	300.1	365.3	547.9#





#65

tert-Butylbenzene

Concen: 10.208 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 2996899

Ion Ratio Lower Upper

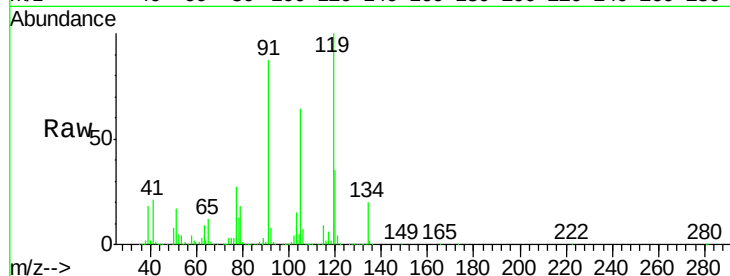
119 100

91 90.1 72.2 108.4

134 19.3 15.9 23.9

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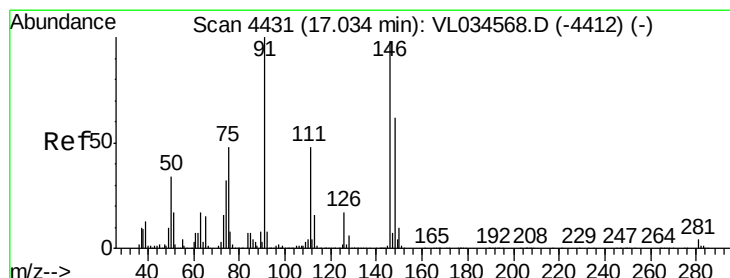
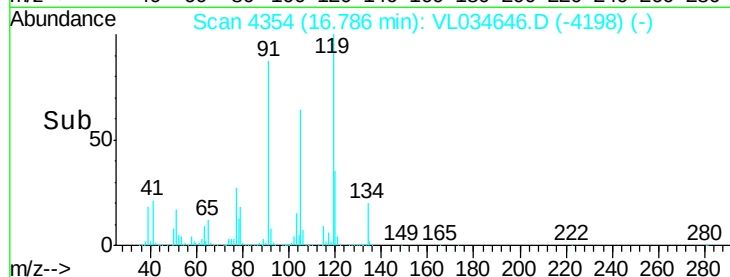
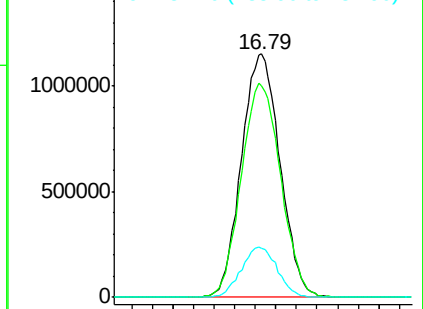
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.421 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

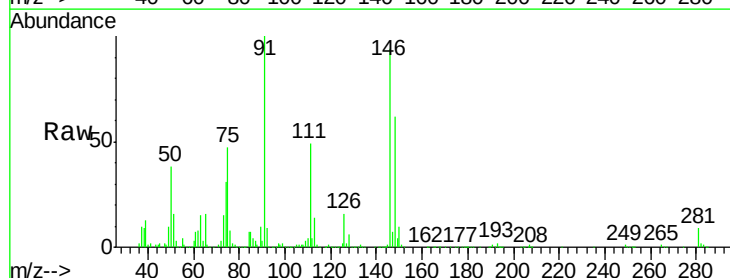
Tgt Ion: 91 Resp: 1405902

Ion Ratio Lower Upper

91 100

126 16.7 13.4 20.0

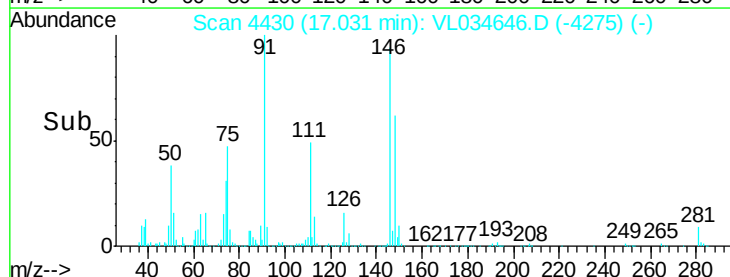
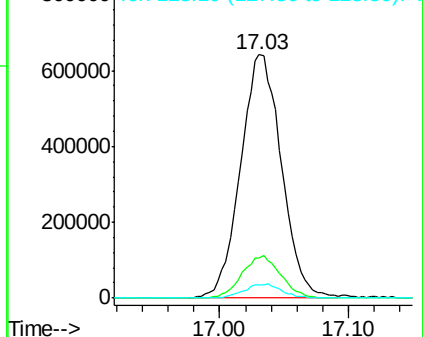
128 5.4 4.3 6.5

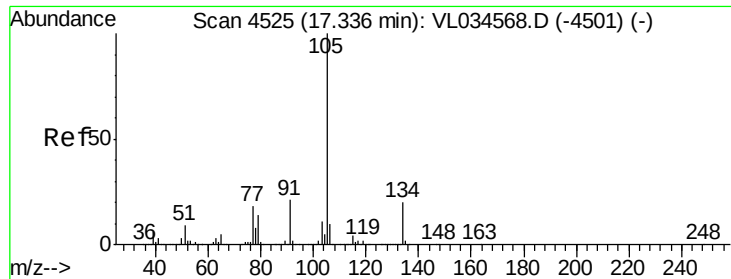


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.255 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4137590

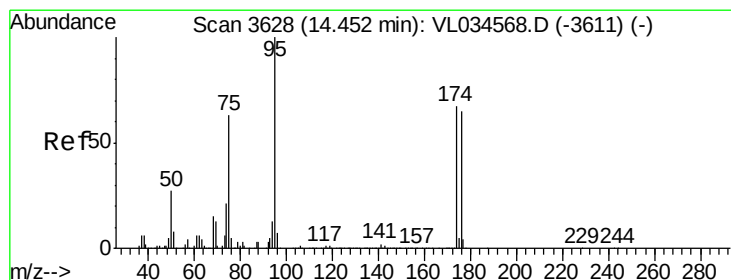
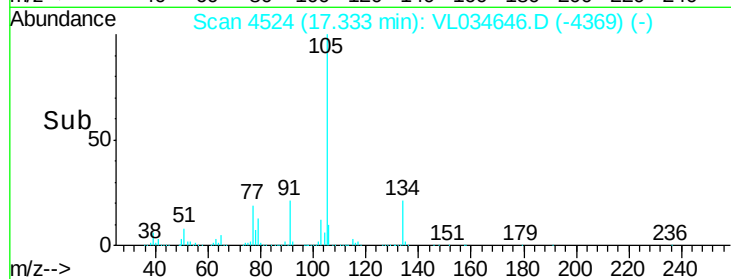
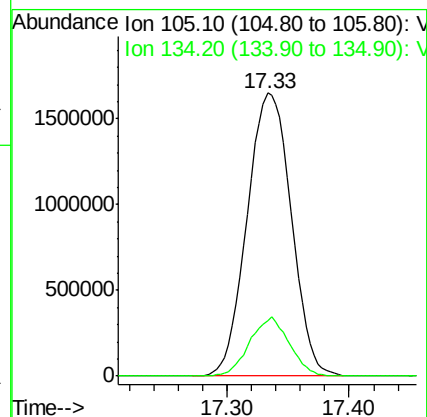
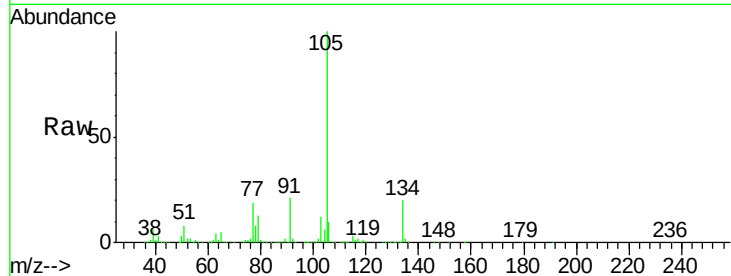
Ion Ratio Lower Upper

105 100

134 18.7 15.5 23.3

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.973 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

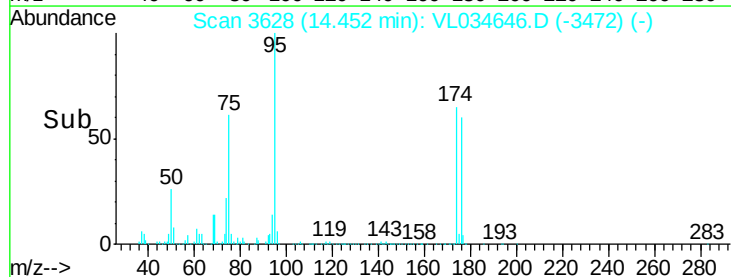
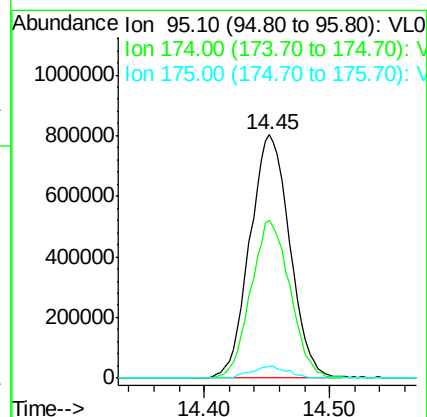
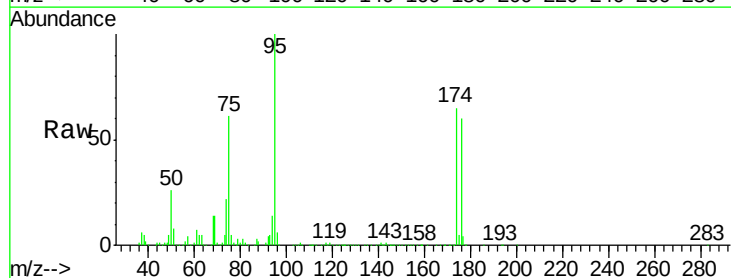
Tgt Ion: 95 Resp: 1774297

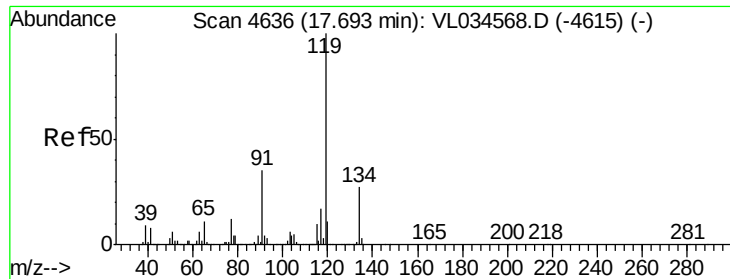
Ion Ratio Lower Upper

95 100

174 63.9 52.3 78.5

175 4.7 3.8 5.6





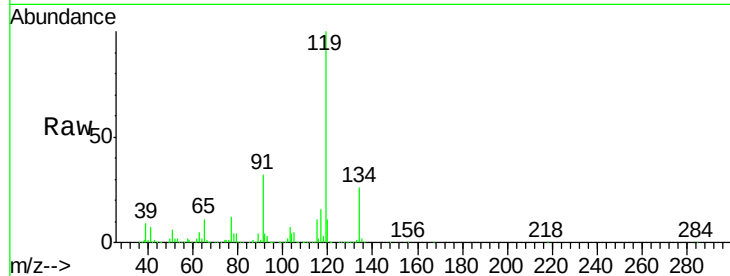
#69
 p-Isopropyltoluene
 Concen: 10.728 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	33.9	26.9	40.3

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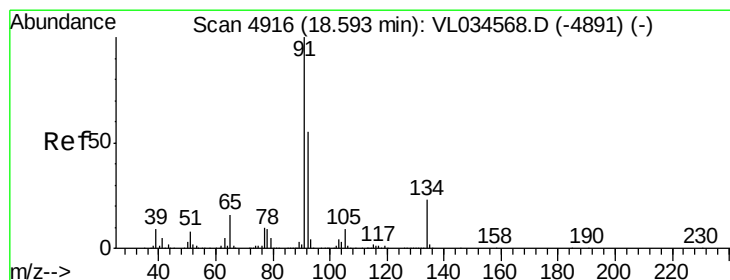
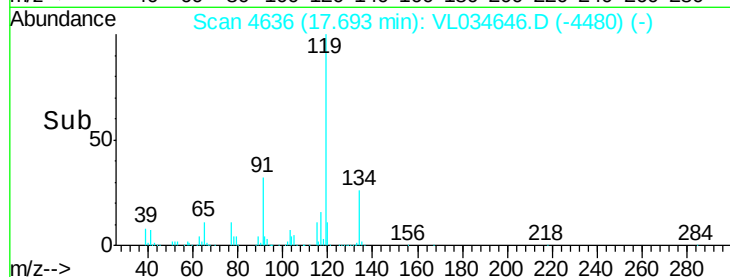
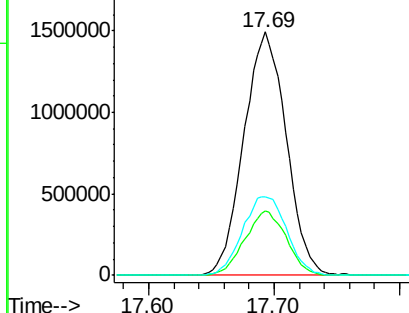


Abundance

Ion 119.10 (118.80 to 119.80): V

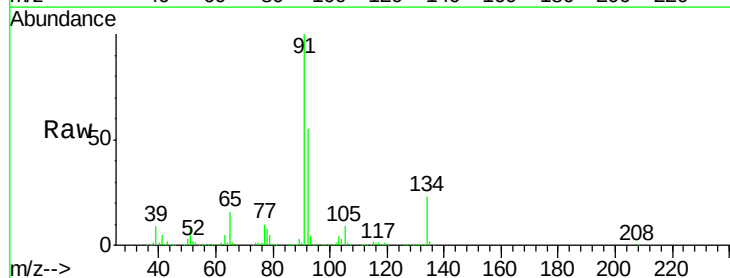
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.973 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.6	65.4
134	22.7	18.2	27.4

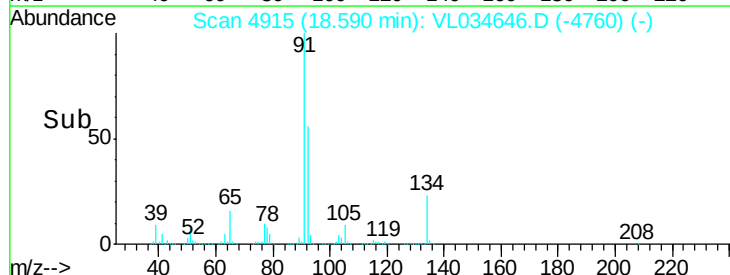
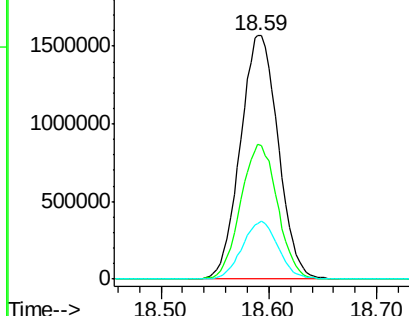


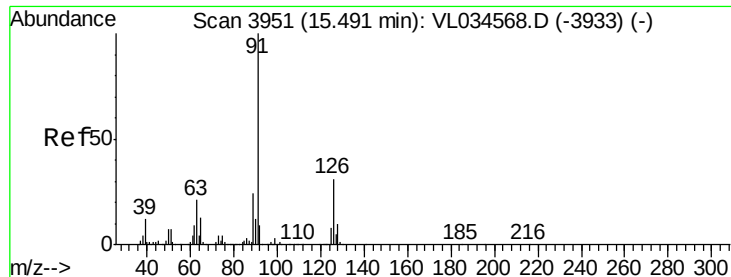
Abundance

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: 10.216 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2513003

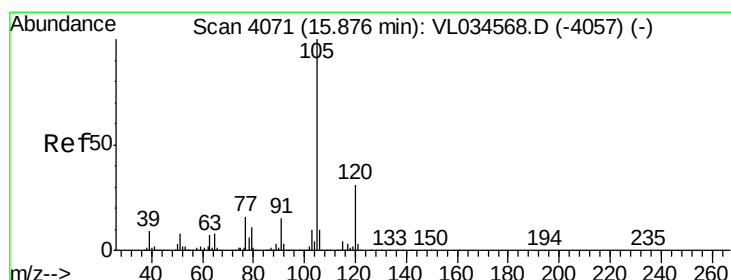
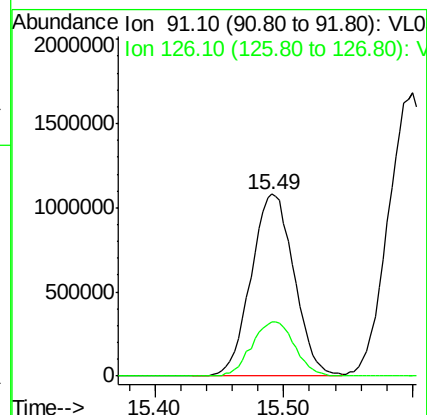
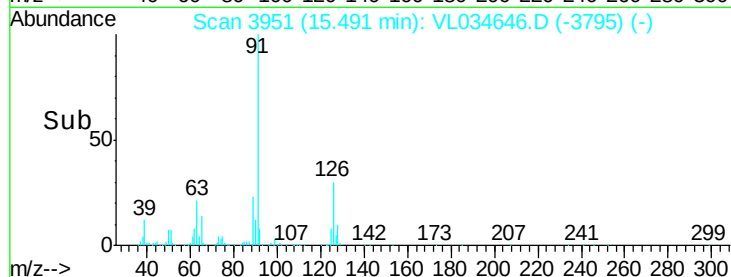
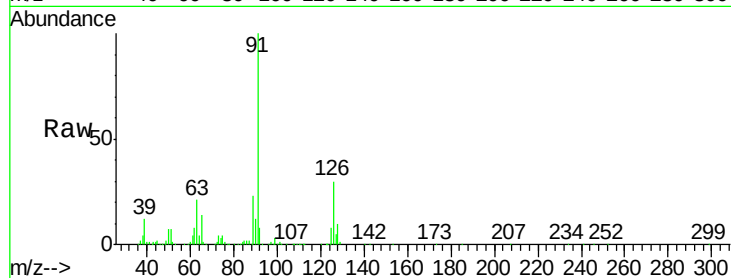
Ion Ratio Lower Upper

91 100

126 29.9 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.341 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion: 105 Resp: 2840399

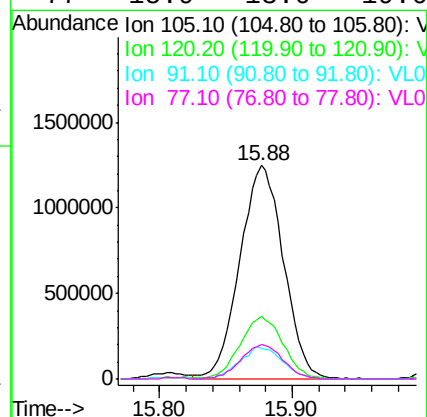
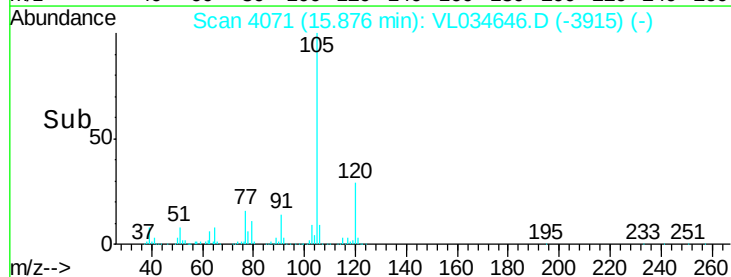
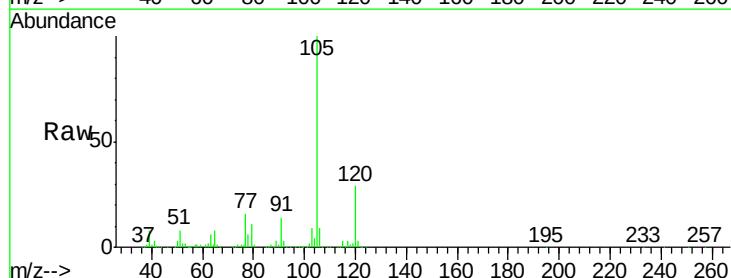
Ion Ratio Lower Upper

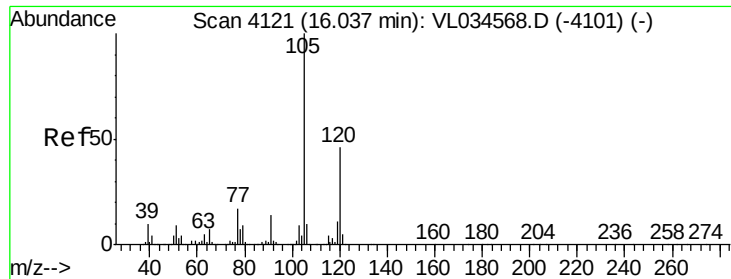
105 100

120 29.1 23.8 35.6

91 14.6 11.8 17.8

77 15.9 13.0 19.6





#73

1,3,5-Trimethylbenzene

Concen: 10.258 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.01 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2753341

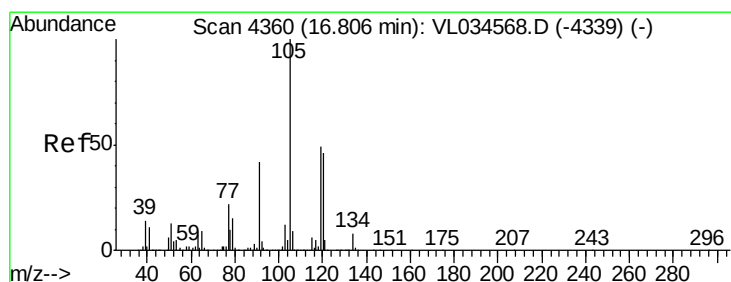
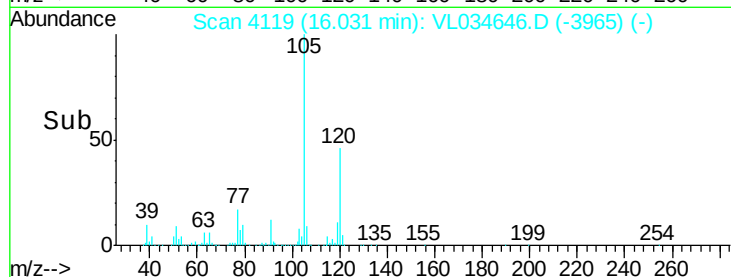
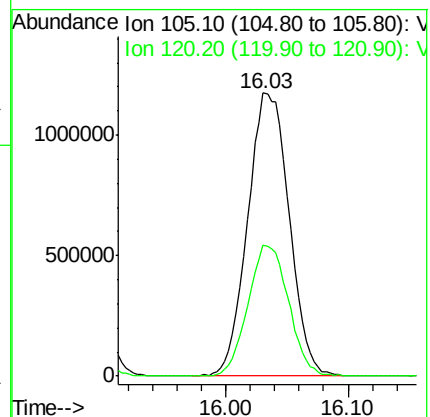
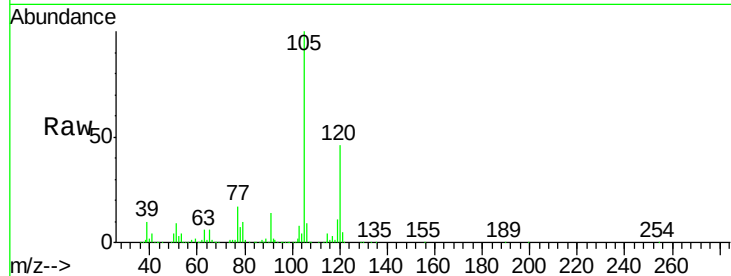
Ion Ratio Lower Upper

105 100

120 46.1 37.0 55.6

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#74

1,2,4-Trimethylbenzene

Concen: 9.952 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion:105 Resp: 2957157

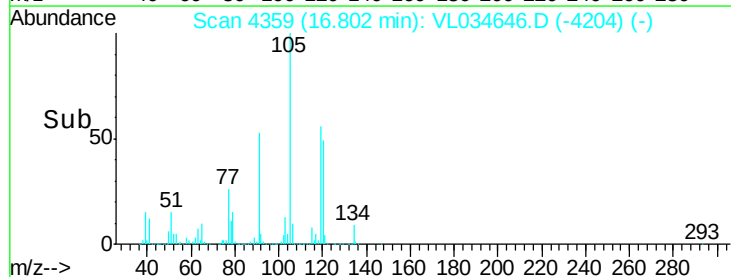
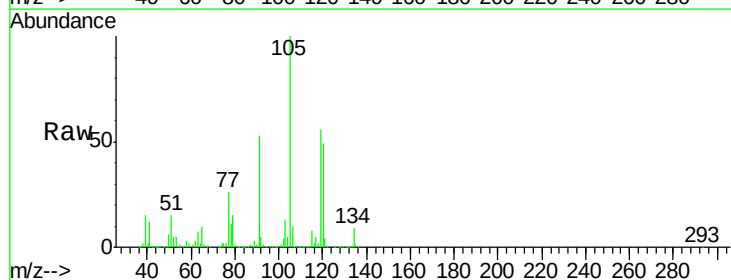
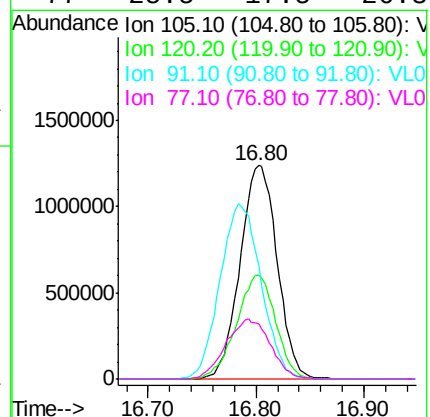
Ion Ratio Lower Upper

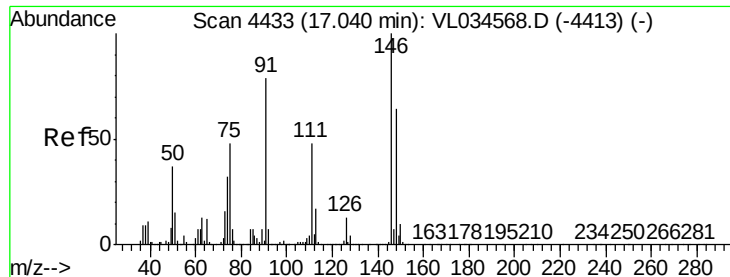
105 100

120 48.7 37.1 55.7

91 52.8 34.3 51.5#

77 25.5 17.5 26.3





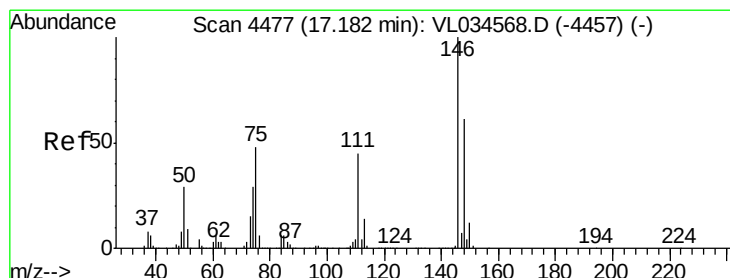
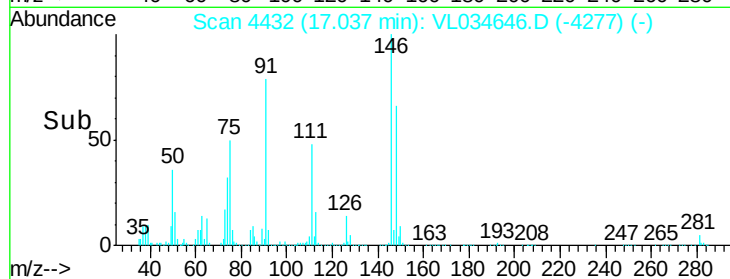
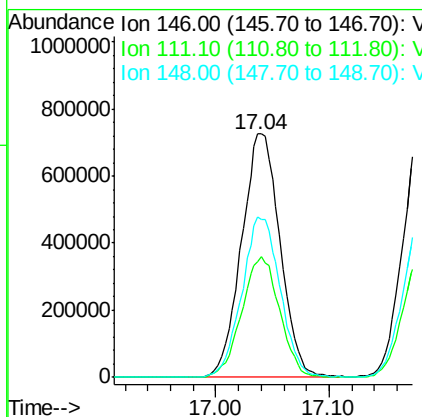
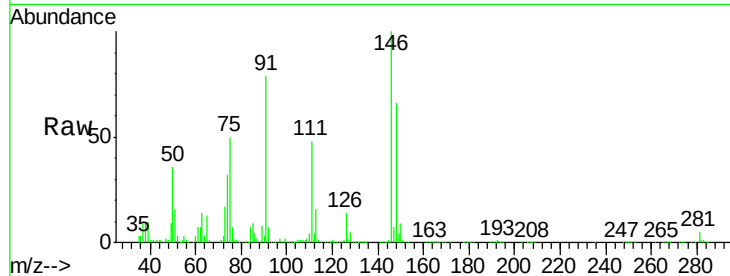
#75
 1,3-Dichlorobenzene
 Concen: 10.058 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1720856
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.7 74.1
 148 65.4 32.8 98.4

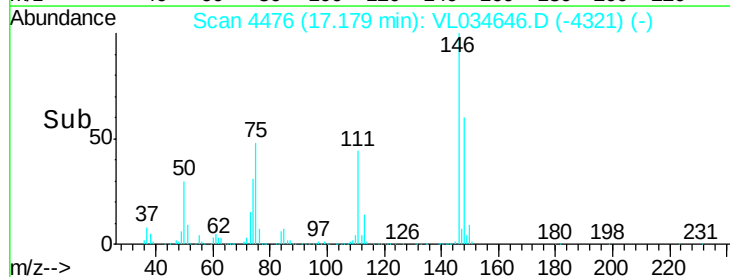
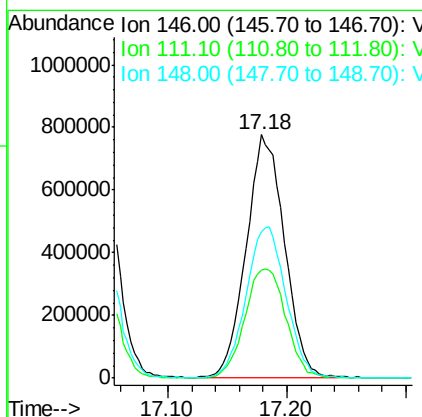
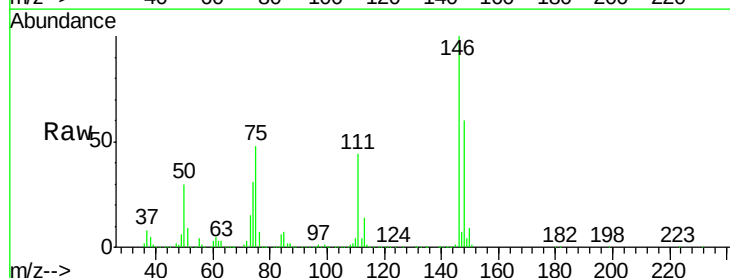
Manual Integrations
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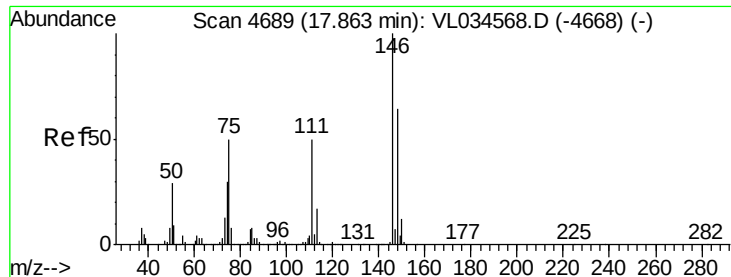
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 2/21/2020 3:27:03 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.240 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Tgt Ion:146 Resp: 1726738
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.2
 148 64.8 32.6 98.0





#77

1,2-Dichlorobenzene

Concen: 10.443 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Instrument :

MSVOA_L

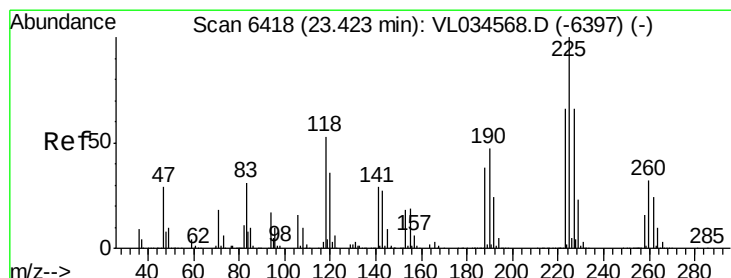
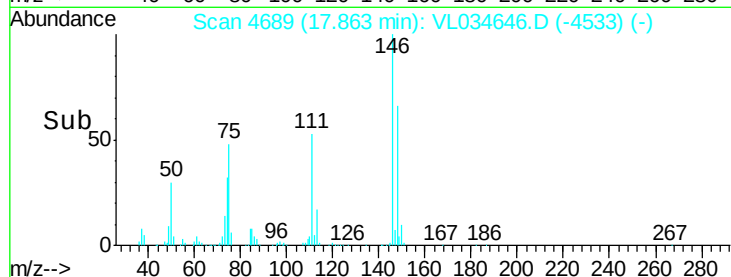
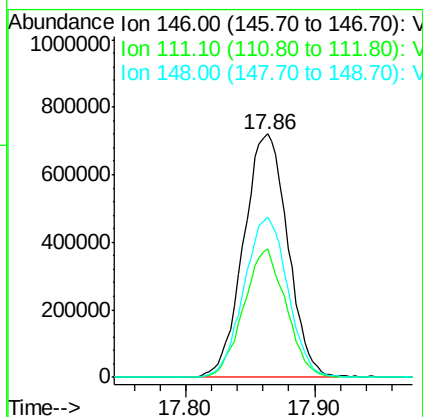
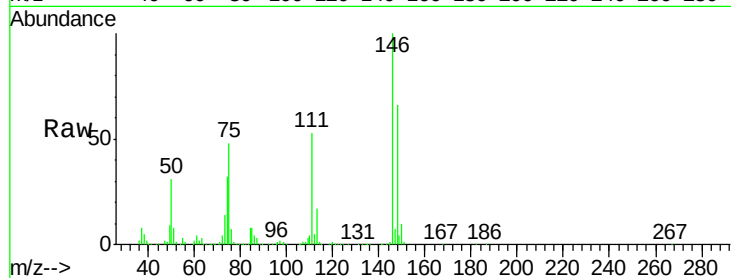
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	1716317
Ion	Ratio	Lower	Upper
146	100		
111	50.9	25.1	75.3
148	65.5	32.2	96.6

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 11.043 ppbv

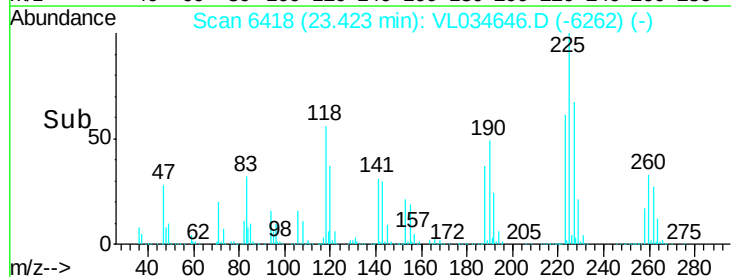
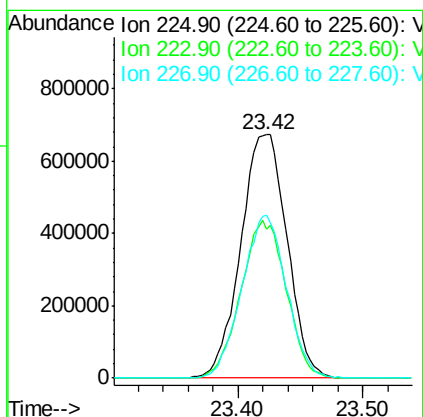
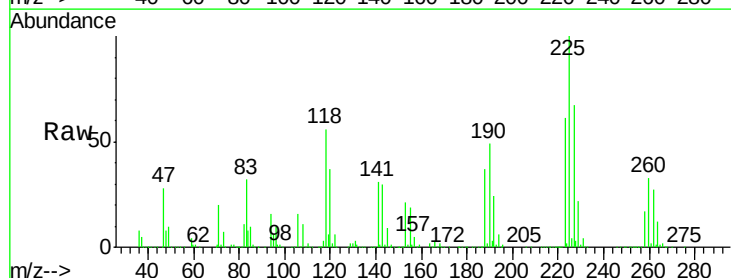
RT: 23.42 min Scan# 6418

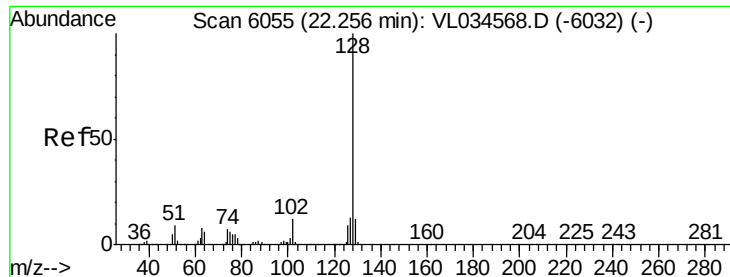
Delta R.T. -0.00 min

Lab File: VL034646.D

Acq: 19 Feb 2020 9:22

Tgt Ion:	225	Resp:	1735699
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.9	76.3
227	64.7	51.6	77.4





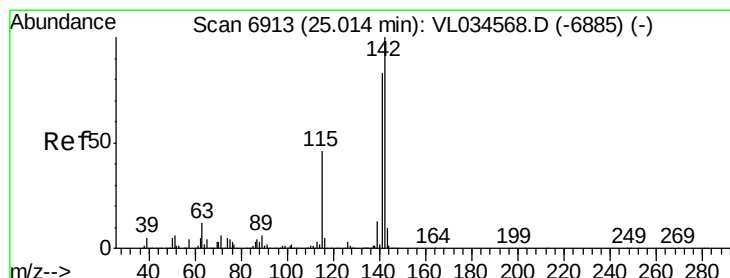
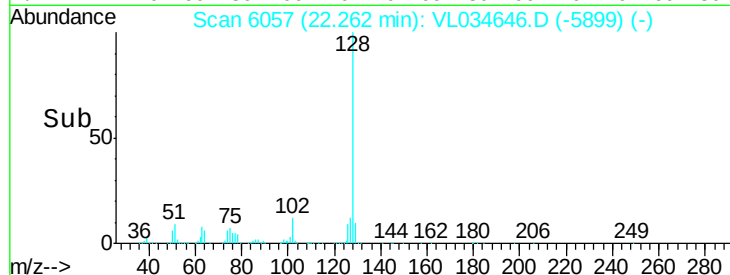
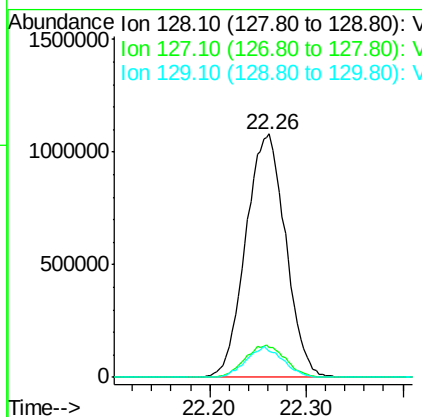
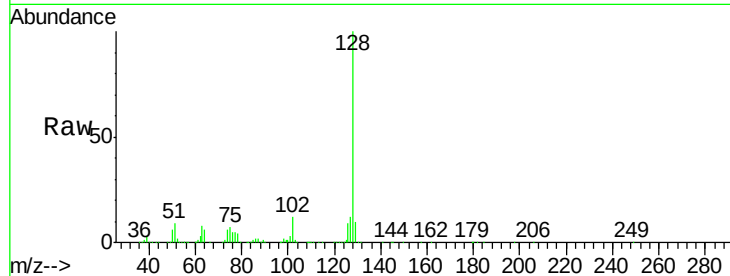
#79
Naphthalene
Concen: 13.208 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.4	9.3	13.9

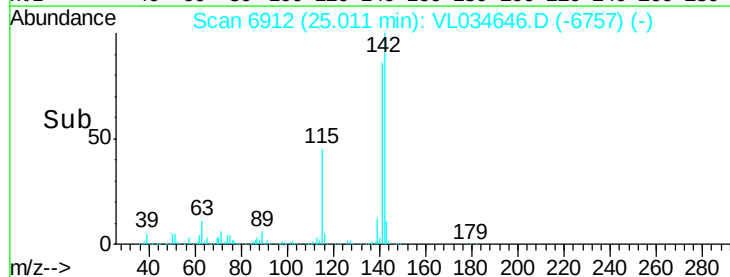
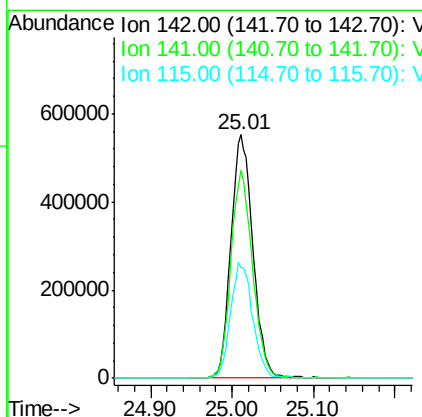
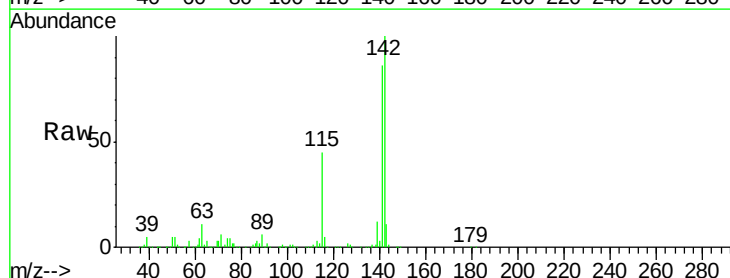
Manual Integrations
APPROVED

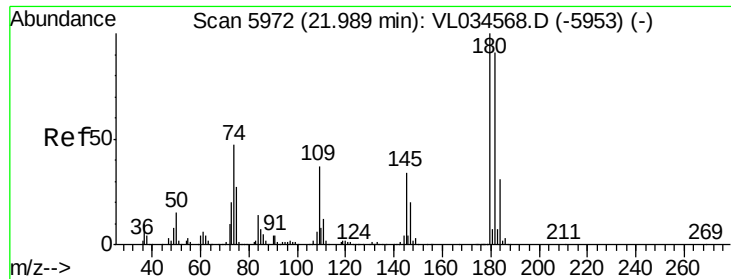
MMDadoda
2/21/2020 3:27:03 PM



#80
Naphthalene, 2-methyl-
Concen: 11.646 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.00 min
Lab File: VL034646.D
Acq: 19 Feb 2020 9:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.0	100.4
115	47.5	39.5	59.3





#81
 1,2,4-Trichlorobenzene
 Concen: 12.966 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. -0.00 min
 Lab File: VL034646.D
 Acq: 19 Feb 2020 9:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.8	116.6
184	30.8	25.4	38.0

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:27:03 PM

