

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035105.D
 Acq On : 22 Jun 2020 8:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:07 AM

Quant Time: Jun 22 11:54:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1372771	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3259026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3307062	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2619665	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1390102	7.499	ppbv 98
3) Chlorodifluoromethane	2.94	51	1365286	9.003	ppbv 98
4) Chloromethane	3.10	50	779646	9.171	ppbv 98
5) Vinyl Chloride	3.21	62	778921	9.635	ppbv 98
6) Bromomethane	3.43	94	475845	9.479	ppbv 97
7) Chloroethane	3.52	64	287210	9.422	ppbv 93
8) Dichlorotetrafluoroethane	3.14	85	1759883	8.855	ppbv 100
9) Propene	2.96	41	580494	9.667	ppbv 98
10) Heptane	8.13	43	1582648	10.170	ppbv 100
11) Trichlorofluoromethane	3.92	101	1815482	9.168	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1277182	9.327	ppbv 99
13) Ethanol	3.56	45	152003	6.701	ppbv 96
14) Bromoethene	3.70	108	565957	9.588	ppbv 98
15) Acetone	3.81	43	1406811	8.476	ppbv 100
16) 1,3-Butadiene	3.29	39	699294	9.607	ppbv 99
17) tert-Butyl alcohol	4.26	59	1449401	9.854	ppbv 99
18) 1,1-Dichloroethene	4.26	96	589163	9.540	ppbv 96
19) Isopropyl Alcohol	3.93	45	1021141	9.475	ppbv 100
20) Methylene Chloride	4.31	84	528058	7.861	ppbv 94
21) Allyl Chloride	4.38	41	974288	9.877	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	585474	10.133	ppbv 98
23) Vinyl Acetate	5.05	43	2062339	10.237	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1576533	9.282	ppbv 97
25) Ethyl Acetate	5.66	43	2756709	9.203	ppbv 100
26) Hexane	5.67	57	1245927	9.226	ppbv 98
27) Carbon Disulfide	4.52	76	1531212	10.956	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1870068	9.856	ppbv 100
29) Chloroform	5.74	83	1913639	9.055	ppbv 96
30) Cyclohexane	7.13	84	1018306	10.506	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1261088	10.130	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1843082	9.403	ppbv 99
34) 2-Butanone	5.22	43	1761176	9.410	ppbv 99
35) Carbon Tetrachloride	7.02	117	1887594	9.657	ppbv 100
36) Benzene	6.89	78	2460586	9.750	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1480436	9.282	ppbv 100
38) Trichloroethene	7.84	130	970278	9.899	ppbv 97
39) 1,2-Dichloropropane	7.62	63	971066	9.838	ppbv 98
40) 1,4-Dioxane	7.83	88	367933	9.451	ppbv # 96
41) Tetrahydrofuran	6.04	42	999508	10.456	ppbv 99
42) Bromodichloromethane	7.80	83	2044612	9.898	ppbv 94
43) Methyl Methacrylate	8.02	69	1116188	10.449	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035105.D
 Acq On : 22 Jun 2020 8:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:07 AM

Quant Time: Jun 22 11:54:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	4198453	9.532	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1264664	12.165	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1460527	11.309	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1022933	9.496	ppbv	97
48) Dibromochloromethane	10.33	129	1689946	10.523	ppbv	100
49) Bromoform	13.08	173	1475641	10.816	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2646491	9.953	ppbv	99
51) 2-Hexanone	10.15	43	2167122	10.407	ppbv #	99
52) Tetrachloroethene	11.25	164	875297	9.843	ppbv	95
53) Toluene	9.83	91	2846120	10.573	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1543339	9.676	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1255949	9.280	ppbv	99
57) Chlorobenzene	12.18	112	2142911	8.806	ppbv	98
58) Ethyl Benzene	12.74	91	3774056	10.157	ppbv	98
59) m/p-Xylene	13.02	91	6359867m	19.313	ppbv	
60) o-Xylene	13.73	91	3069246	9.362	ppbv	100
61) Styrene	13.56	104	2225673	10.789	ppbv	99
62) Isopropylbenzene	14.70	105	4552599	9.306	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2157287	8.125	ppbv	99
64) n-propylbenzene	15.60	120	1193624	9.561	ppbv	98
65) tert-Butylbenzene	16.78	119	3914375	9.344	ppbv	100
66) Benzyl Chloride	17.03	91	1492881	11.537	ppbv	100
67) sec-Butylbenzene	17.33	105	5499048	9.159	ppbv	100
69) p-Isopropyltoluene	17.69	119	4520406	9.439	ppbv	100
70) n-Butylbenzene	18.59	91	4747520	9.203	ppbv	99
71) 2-Chlorotoluene	15.49	91	3513114	9.500	ppbv	99
72) 4-Ethyltoluene	15.88	105	3548297	9.729	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3345595m	9.704	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	3442190	8.946	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1943305	8.463	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1947391	8.866	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1845134	8.782	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1582485	8.379	ppbv	99
79) Naphthalene	22.26	128	3364670	9.974	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1713456	13.285	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1815470	9.329	ppbv	98

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

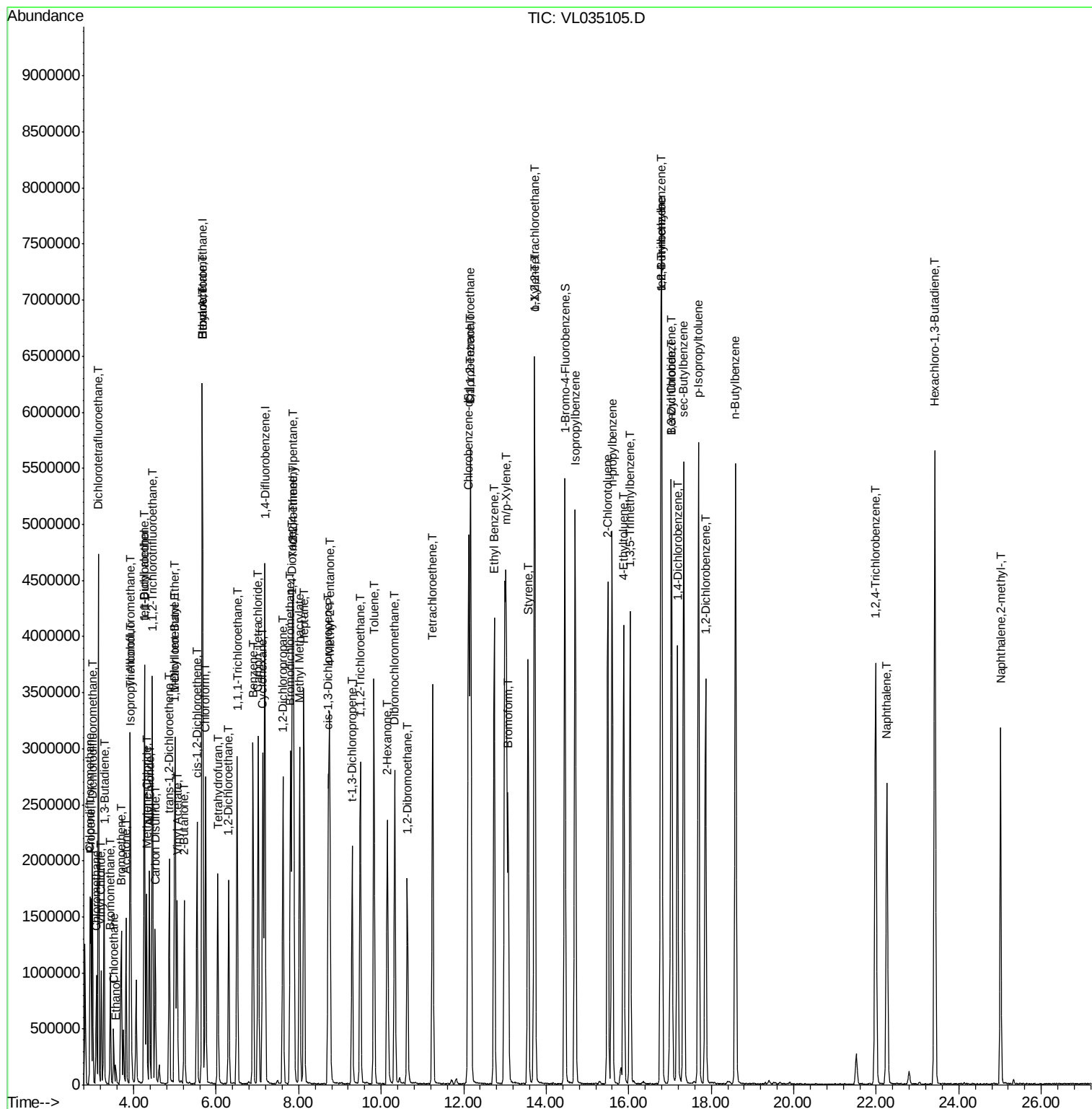
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062220\
Data File : VL035105.D
Acq On : 22 Jun 2020 8:23
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

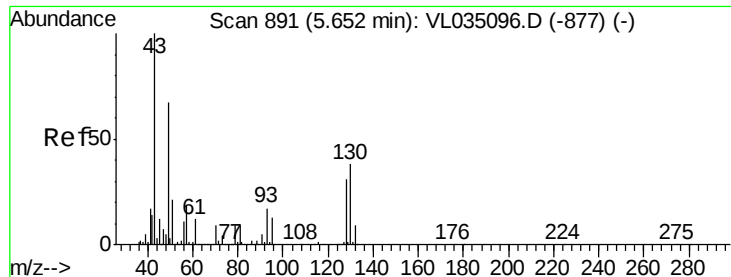
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:07 AM

Quant Time: Jun 22 11:54:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1372771

Ion Ratio Lower Upper

49 100

128 46.0 22.9 68.5

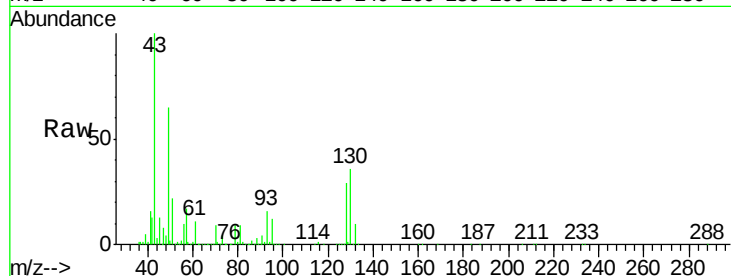
130 59.3 29.0 87.0

Manual Integrations

APPROVED

MMDadoda

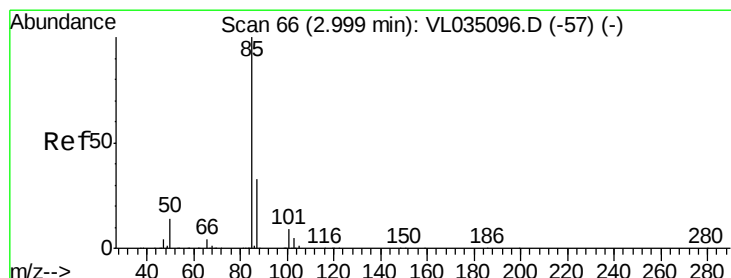
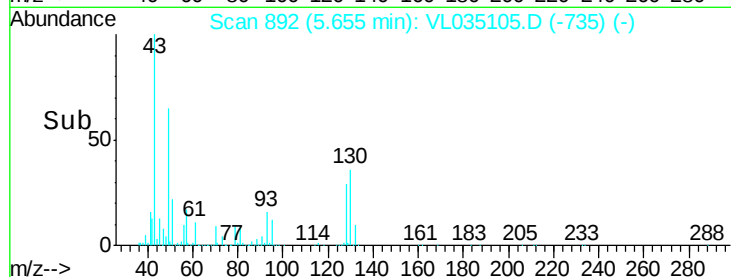
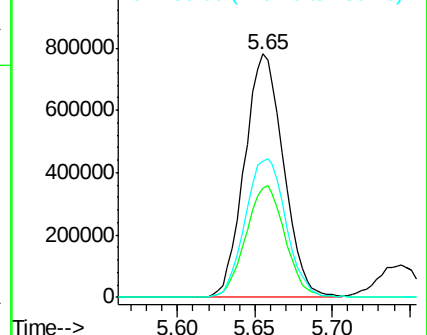
6/23/2020 10:59:07 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.499 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035105.D

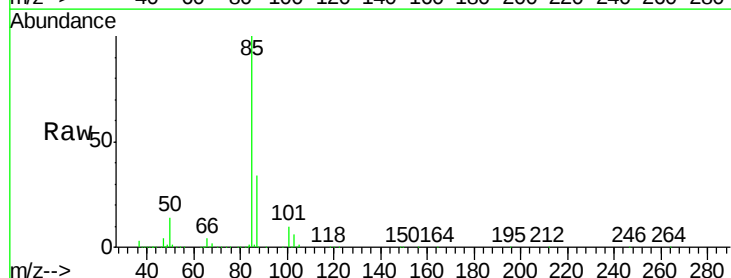
Acq: 22 Jun 2020 8:23

Tgt Ion: 85 Resp: 1390102

Ion Ratio Lower Upper

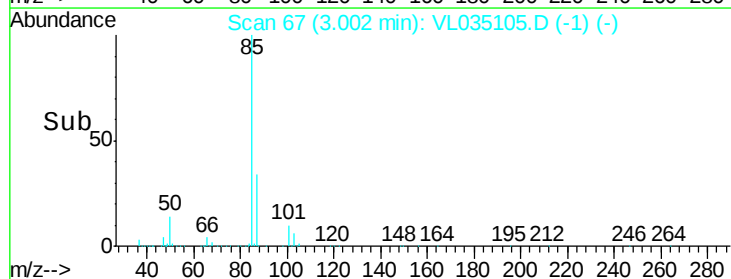
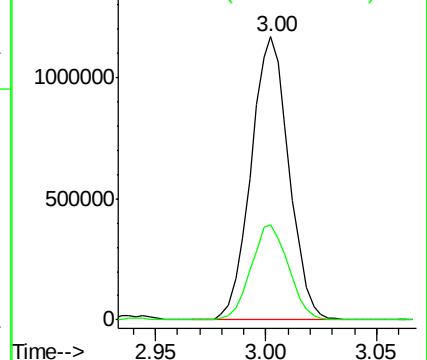
85 100

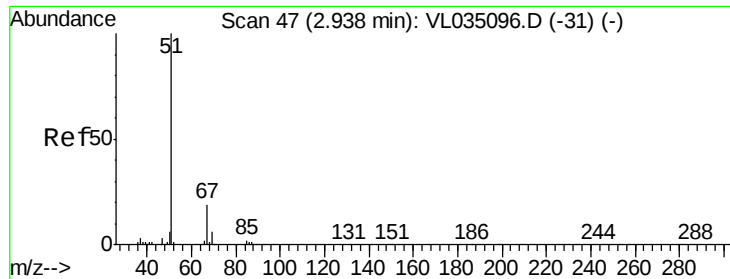
87 33.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.003 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tot Ion: 51 Resp: 1365286

Ion Ratio Lower Upper

51 100

67 19.7 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

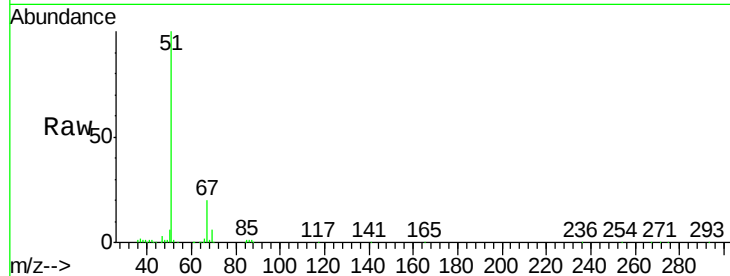
VSTDCCC010

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.94

1200000

1000000

800000

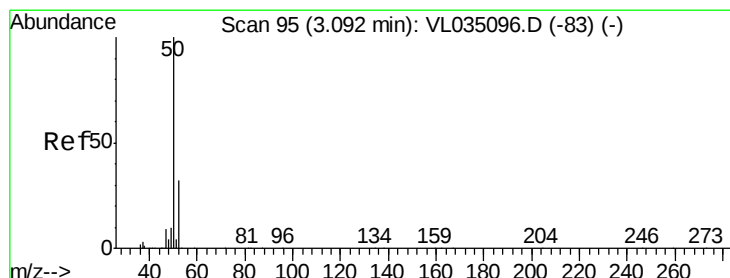
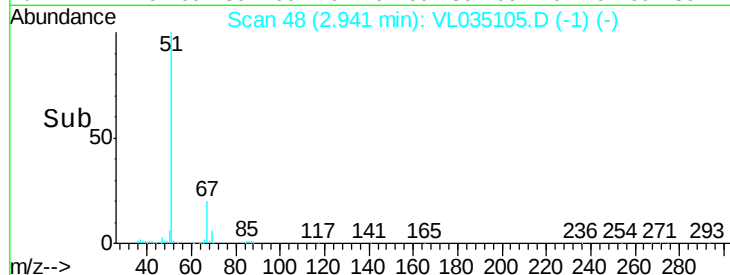
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.171 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035105.D

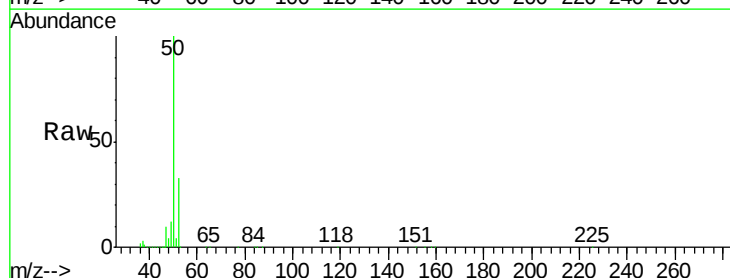
Acq: 22 Jun 2020 8:23

Tgt Ion: 50 Resp: 779646

Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.10

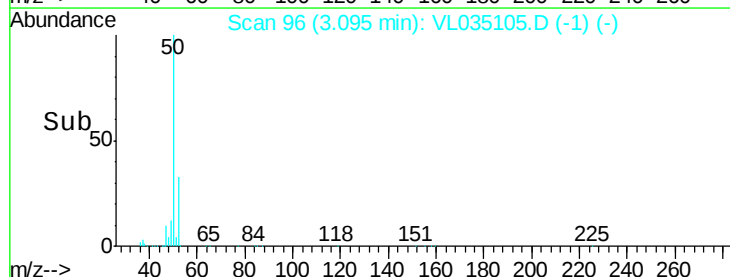
600000

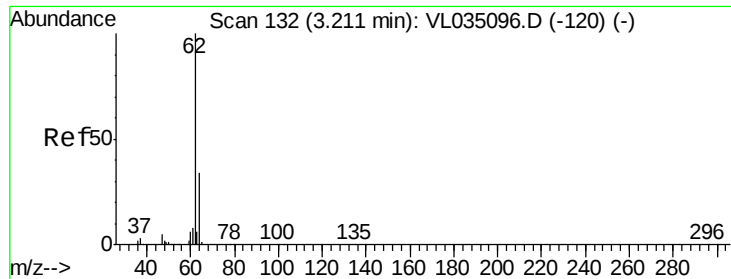
400000

200000

0

Time-->





#5

Vinyl Chloride

Concen: 9.635 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 778921

Ion Ratio Lower Upper

62 100

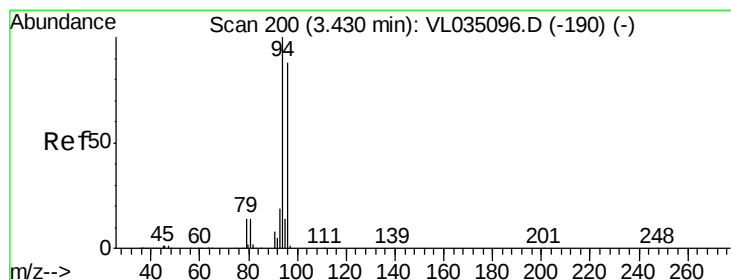
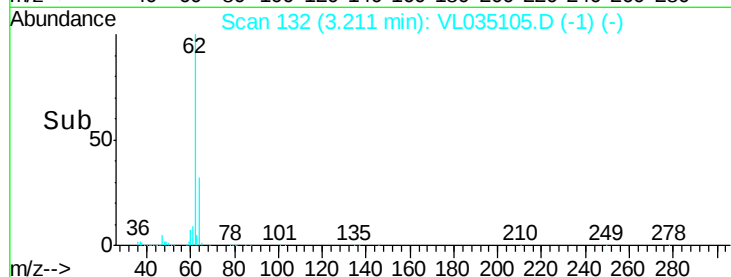
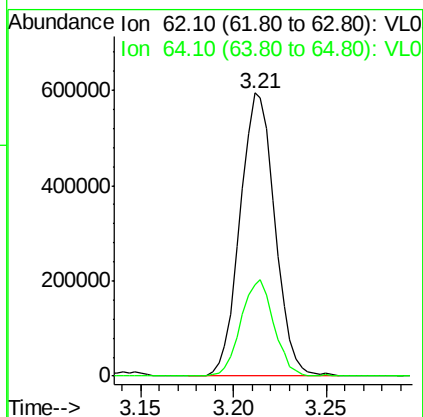
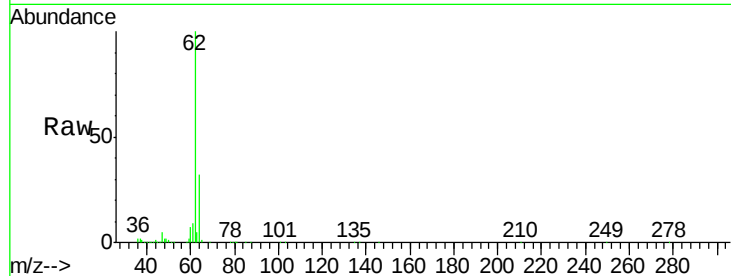
64 32.4 27.0 40.4

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



#6

Bromomethane

Concen: 9.479 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035105.D

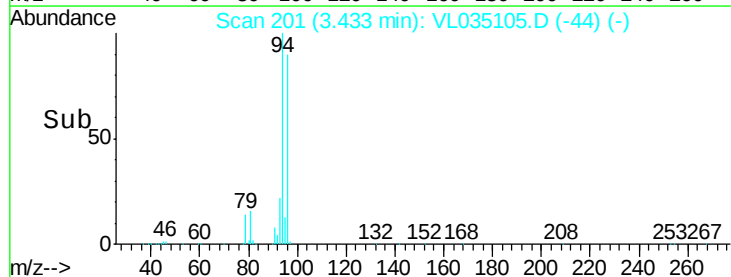
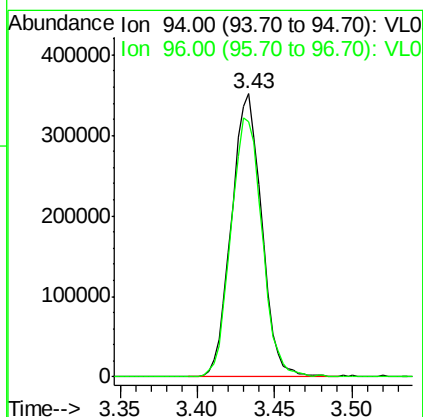
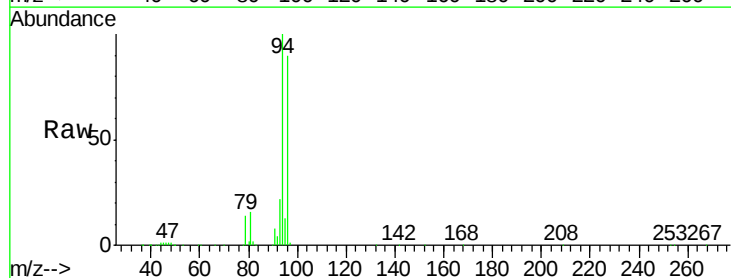
Acq: 22 Jun 2020 8:23

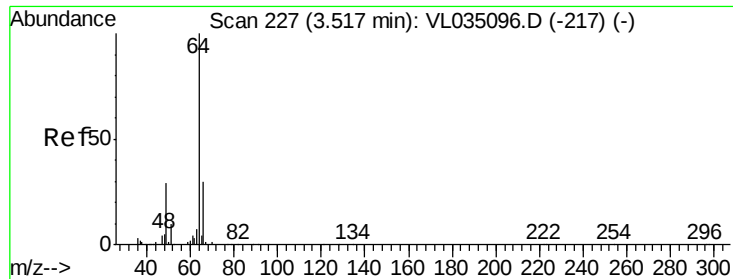
Tgt Ion: 94 Resp: 475845

Ion Ratio Lower Upper

94 100

96 90.1 70.2 105.2





#7

Chloroethane

Concen: 9.422 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 287210

Ion Ratio Lower Upper

64 100

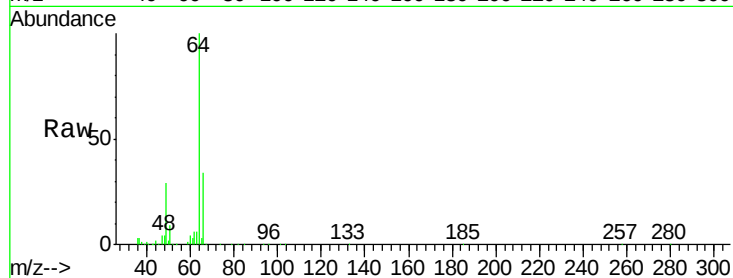
66 33.9 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

250000

200000

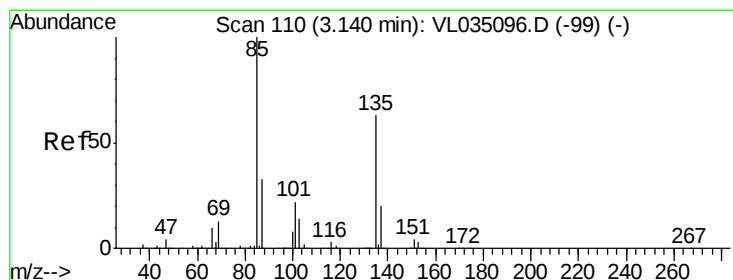
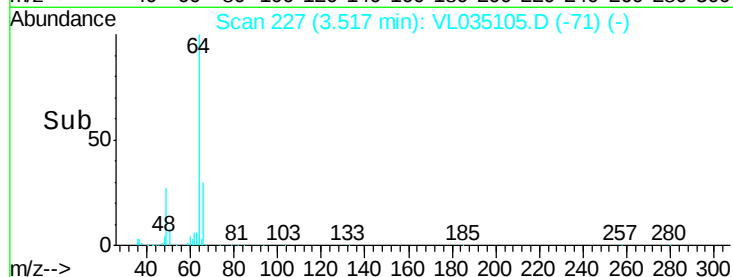
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.855 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035105.D

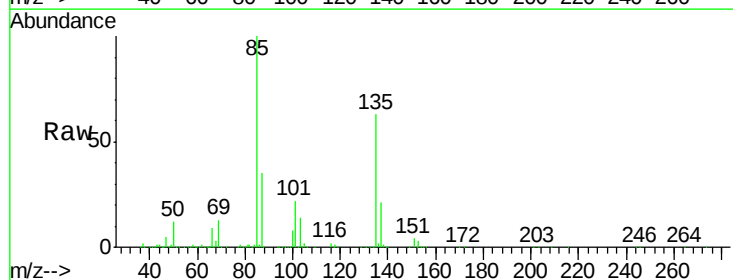
Acq: 22 Jun 2020 8:23

Tgt Ion: 85 Resp: 1759883

Ion Ratio Lower Upper

85 100

135 64.1 51.0 76.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.14

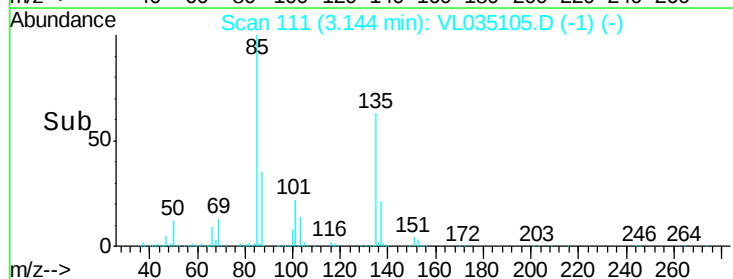
1500000

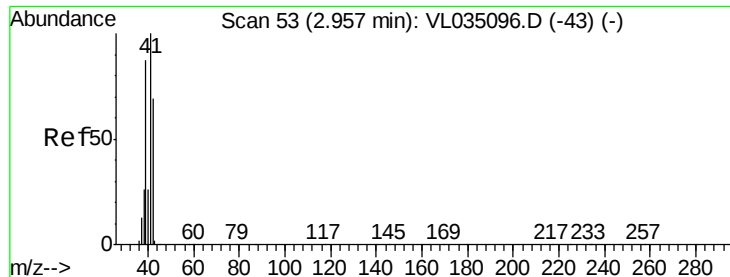
1000000

500000

0

Time-->





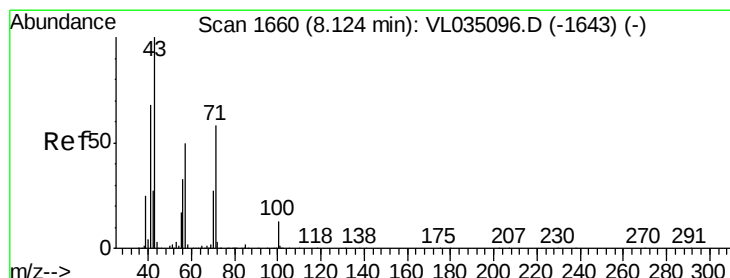
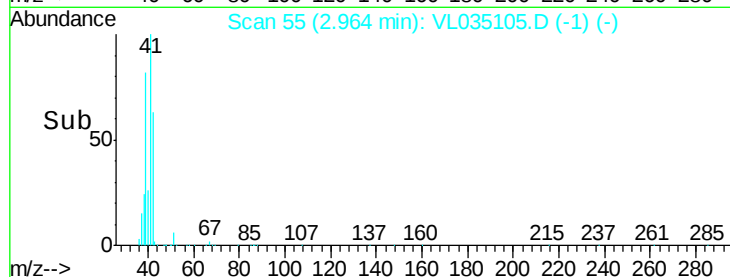
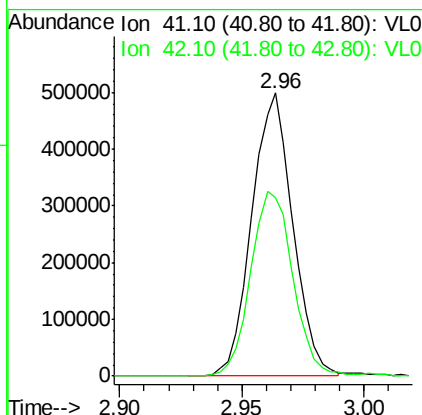
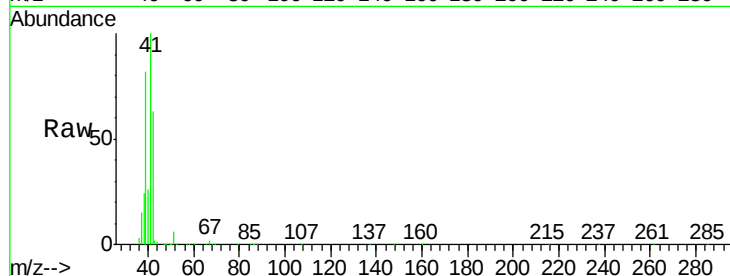
#9
 Propene
 Concen: 9.667 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 580494
 Ion Ratio Lower Upper
 41 100
 42 68.0 55.8 83.6

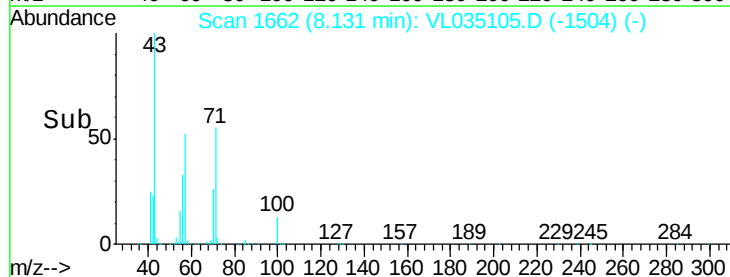
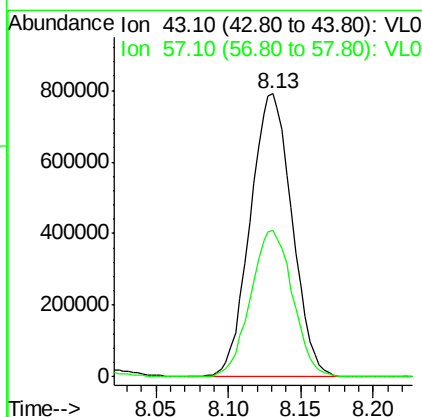
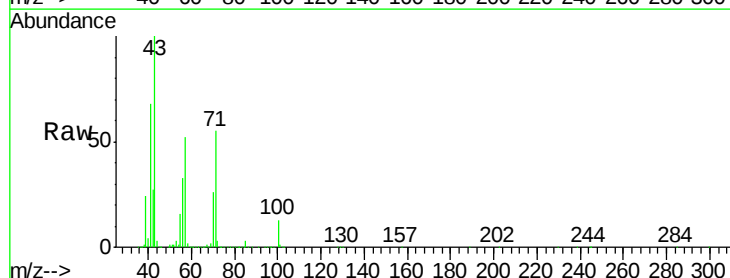
Manual Integrations
 APPROVED

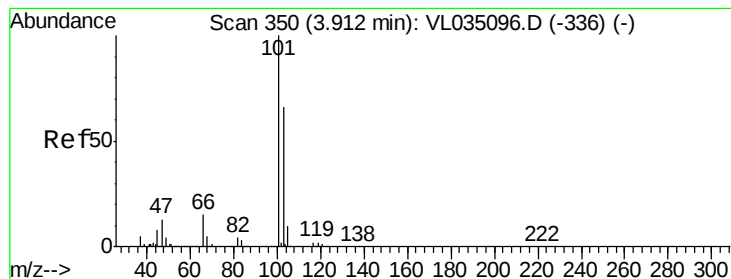
MMDadoda
 6/23/2020 10:59:07 AM



#10
 Heptane
 Concen: 10.170 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion: 43 Resp: 1582648
 Ion Ratio Lower Upper
 43 100
 57 52.3 41.9 62.9





#11

Trichlorofluoromethane

Concen: 9.168 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 1815482

Ion Ratio Lower Upper

101 100

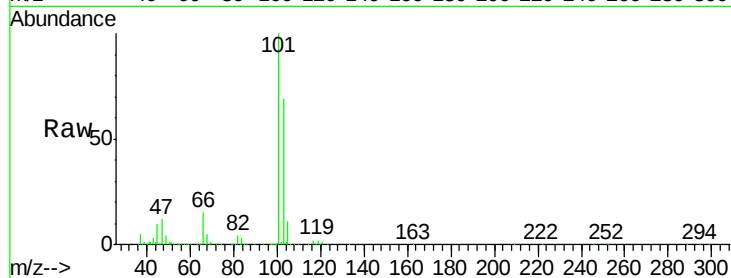
103 68.5 52.6 79.0

Manual Integrations

APPROVED

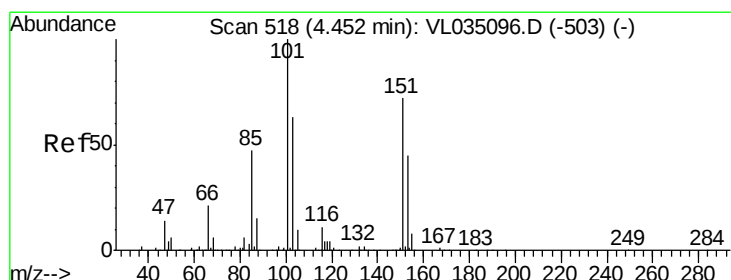
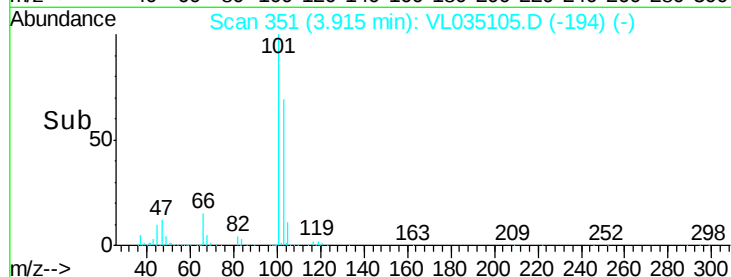
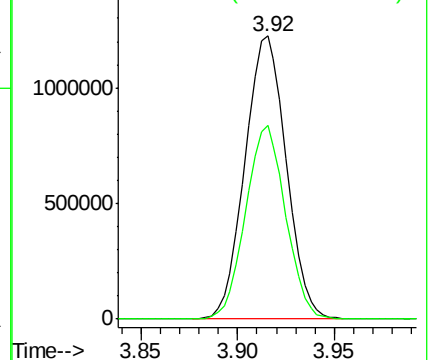
MMDadoda

6/23/2020 10:59:07 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.327 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.01 min

Lab File: VL035105.D

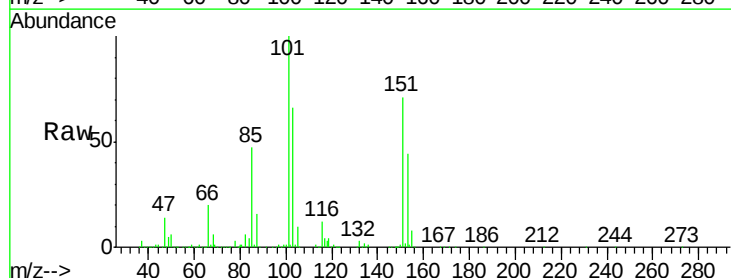
Acq: 22 Jun 2020 8:23

Tgt Ion:101 Resp: 1277182

Ion Ratio Lower Upper

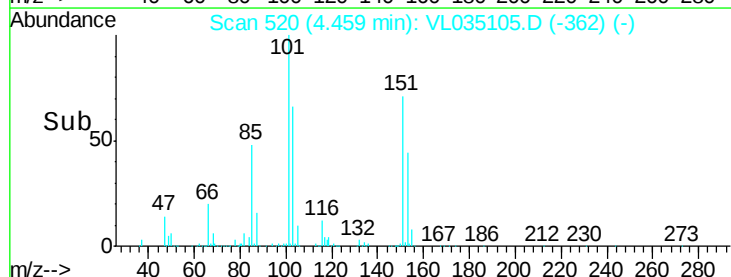
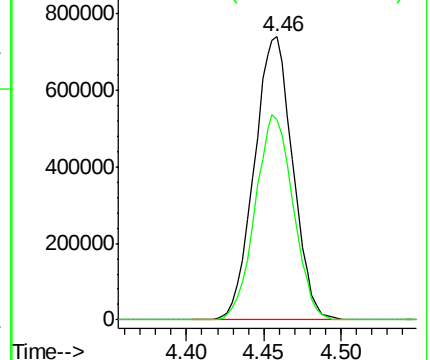
101 100

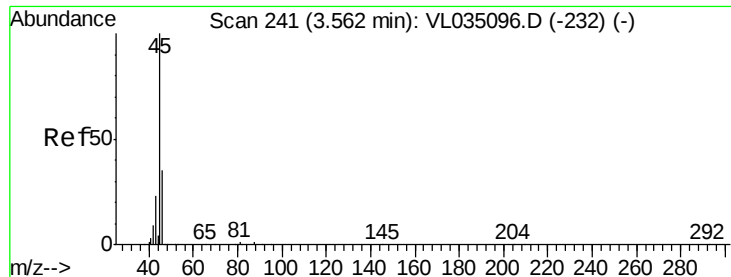
151 71.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





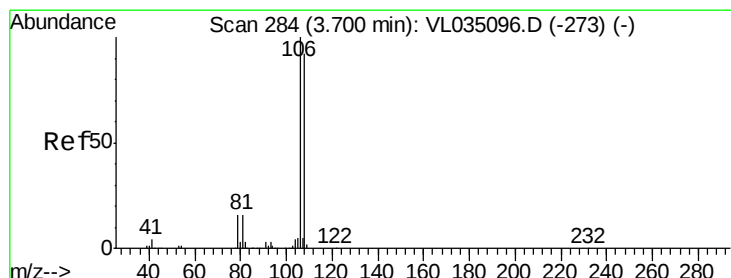
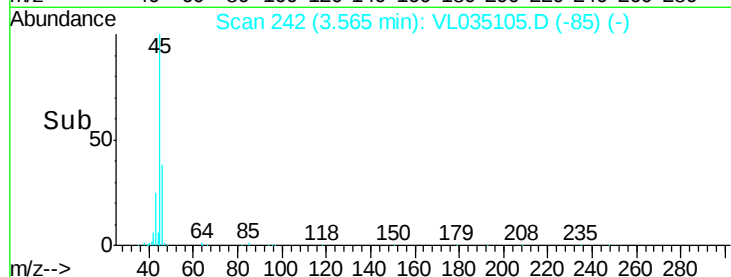
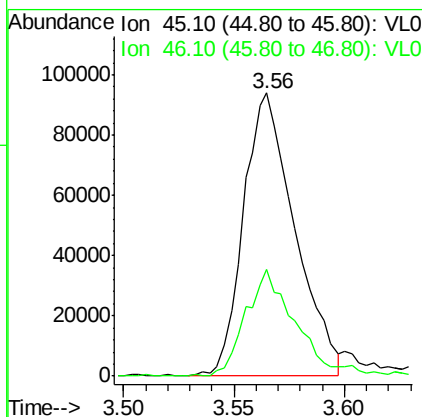
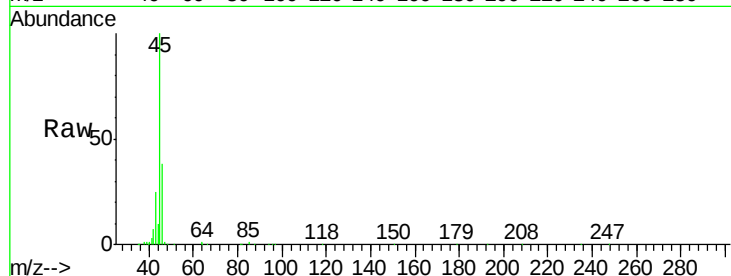
#13
Ethanol
Concen: 6.701 ppbv
RT: 3.56 min Scan# 242
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 152003
Ion Ratio Lower Upper
45 100
46 38.2 14.2 57.0

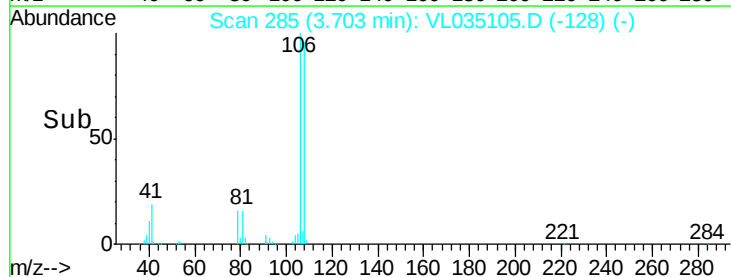
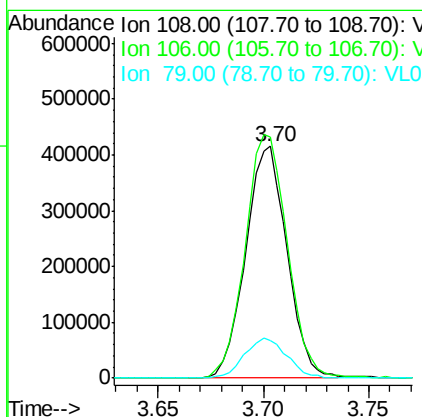
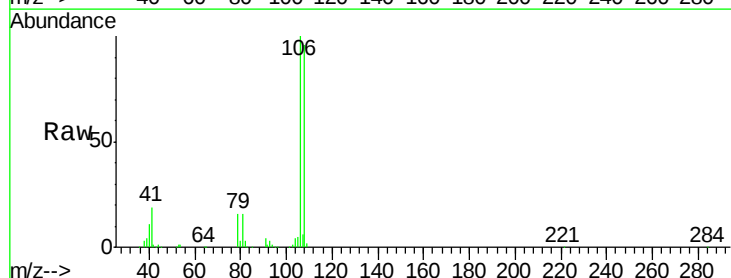
Manual Integrations
APPROVED

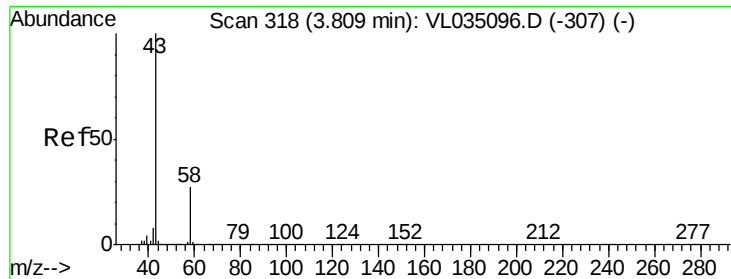
MMDadoda
6/23/2020 10:59:07 AM



#14
Bromoethene
Concen: 9.588 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 108 Resp: 565957
Ion Ratio Lower Upper
108 100
106 107.9 84.4 126.6
79 18.0 14.2 21.2





#15

Acetone

Concen: 8.476 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tot Ion: 43 Resp: 1406811

Ion Ratio Lower Upper

43 100

58 27.1 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

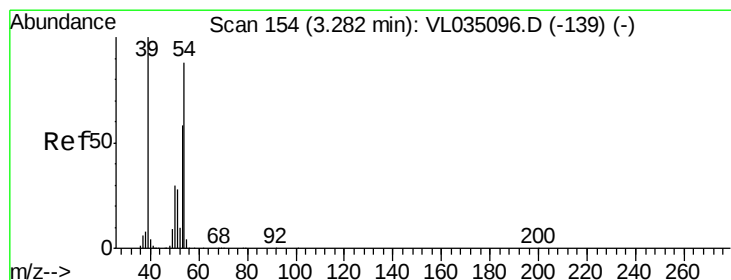
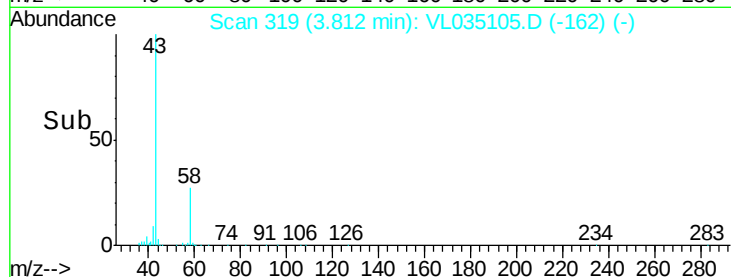
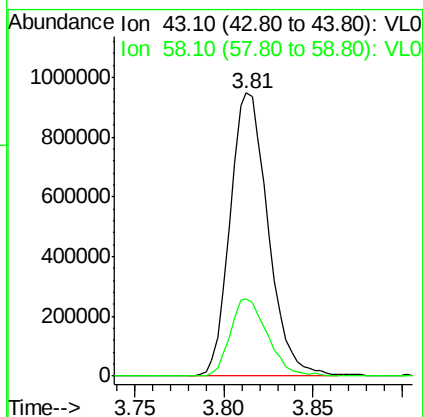
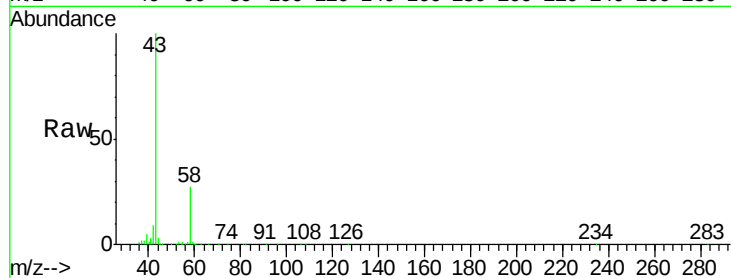
VSTDCCC010

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



#16

1,3-Butadiene

Concen: 9.607 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035105.D

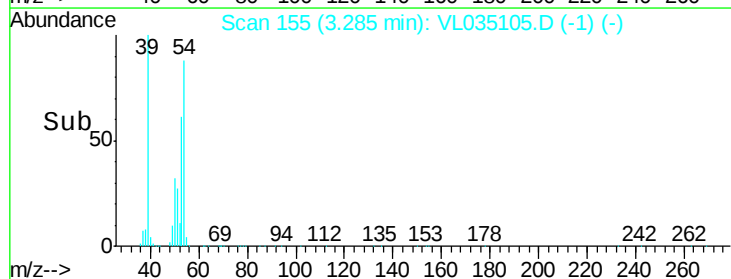
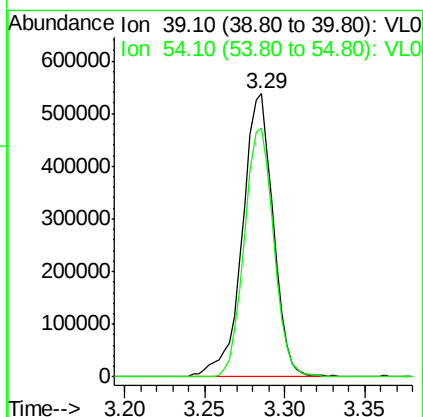
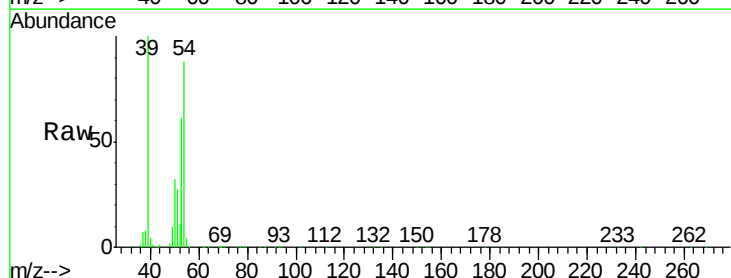
Acq: 22 Jun 2020 8:23

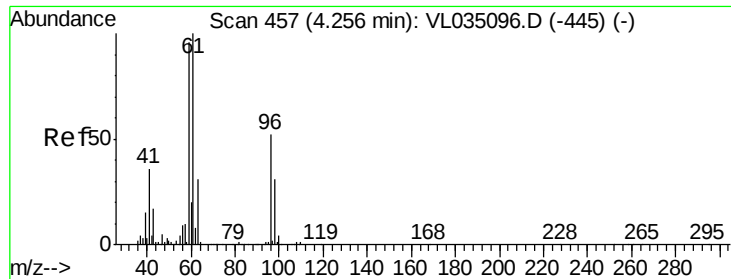
Tgt Ion: 39 Resp: 699294

Ion Ratio Lower Upper

39 100

54 84.4 67.0 100.4





#17

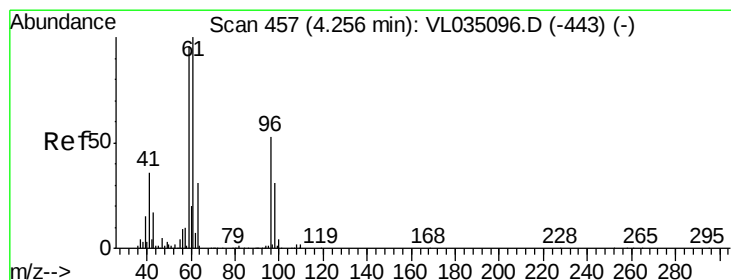
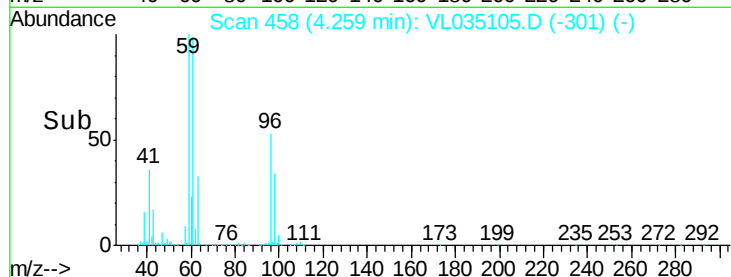
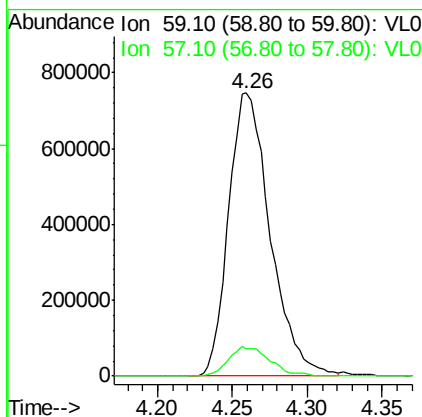
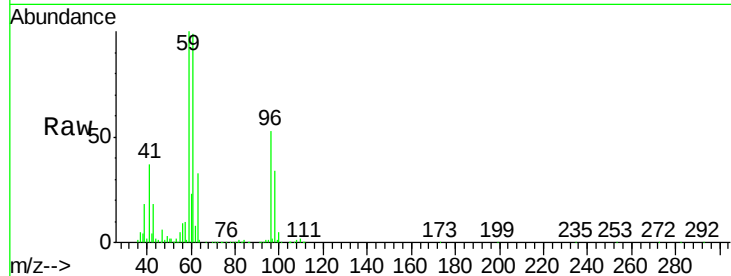
tert-Butyl alcohol
Concen: 9.854 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1449401
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

Manual Integrations
APPROVED

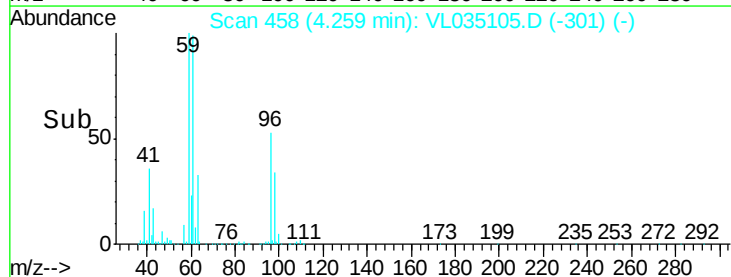
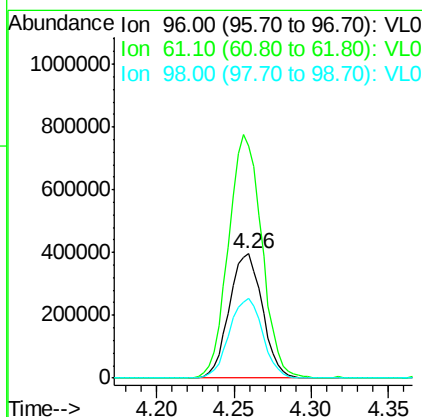
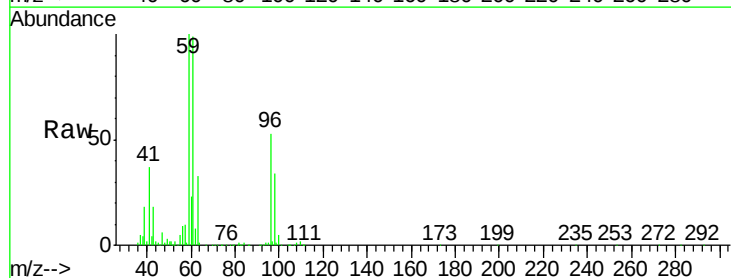
MMDadoda
6/23/2020 10:59:07 AM

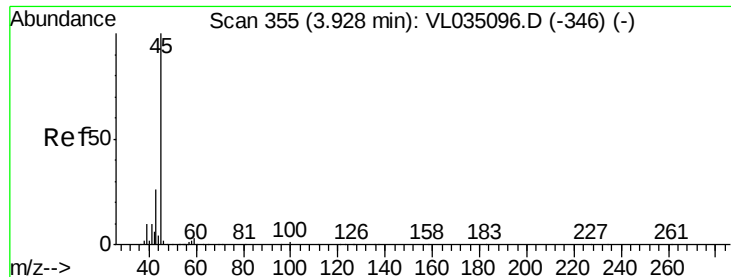


#18

1,1-Dichloroethene
Concen: 9.540 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 96 Resp: 589163
Ion Ratio Lower Upper
96 100
61 186.2 152.2 228.4
98 64.2 47.7 71.5





#19

Isopropyl Alcohol

Concen: 9.475 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 1021141

Ion Ratio Lower Upper

45 100

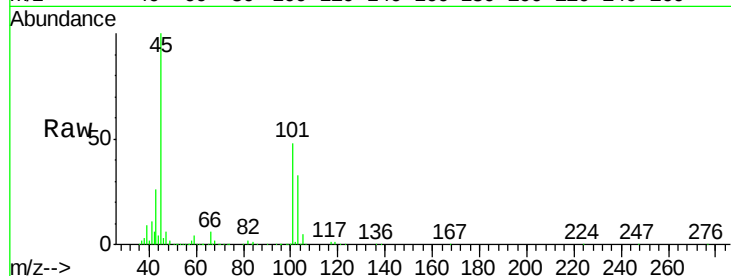
58 2.4 1.8 2.8

Manual Integrations

APPROVED

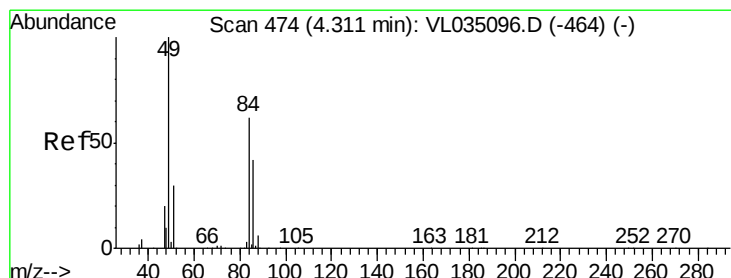
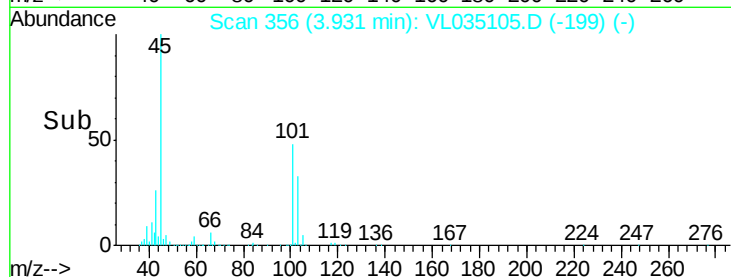
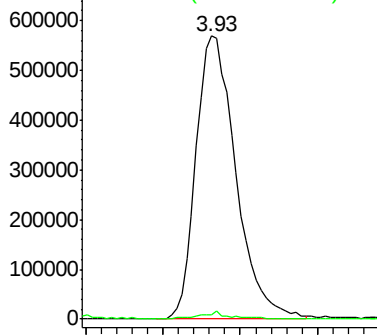
MMDadoda

6/23/2020 10:59:07 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.861 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tgt Ion: 84 Resp: 528058

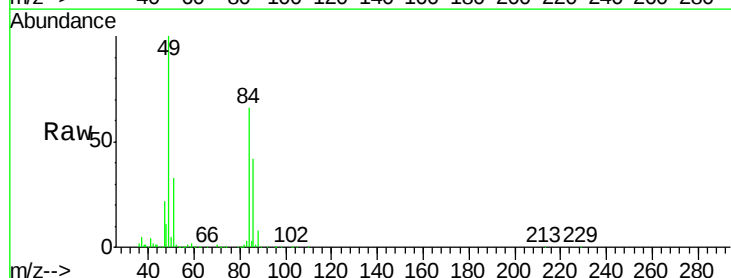
Ion Ratio Lower Upper

84 100

49 150.3 128.8 193.2

51 49.2 38.7 58.1

86 63.4 54.1 81.1

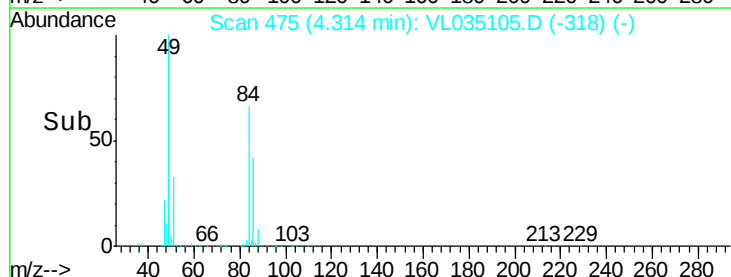
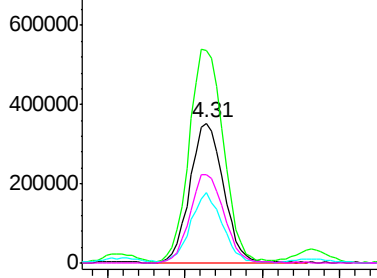


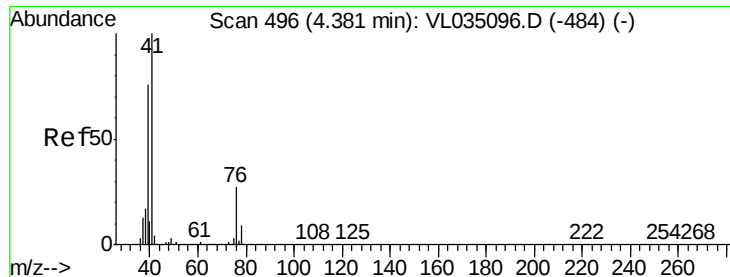
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 9.877 ppbv

RT: 4.38 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

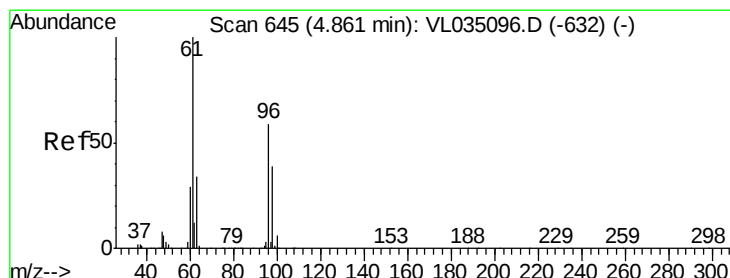
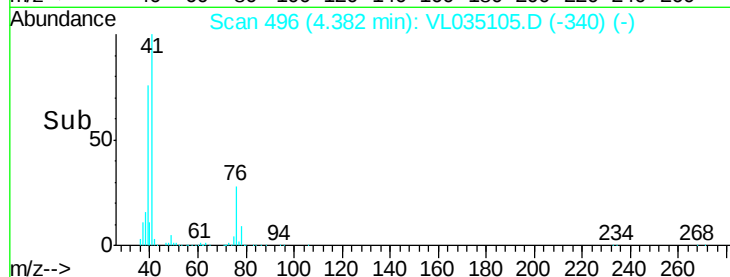
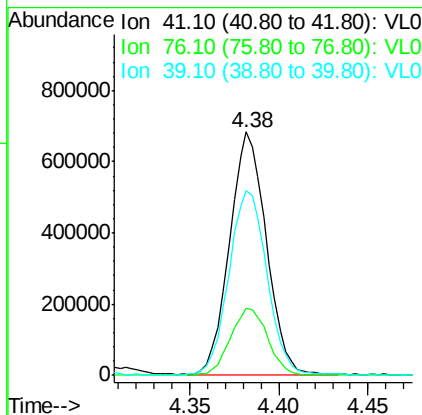
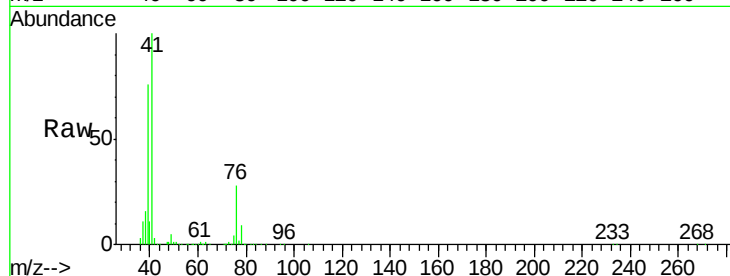
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	974288
Ion Ratio	Lower	Upper	
41	100		
76	28.3	22.6	34.0
39	80.1	61.6	92.4

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:07 AM



#22

trans-1,2-Dichloroethene

Concen: 10.133 ppbv

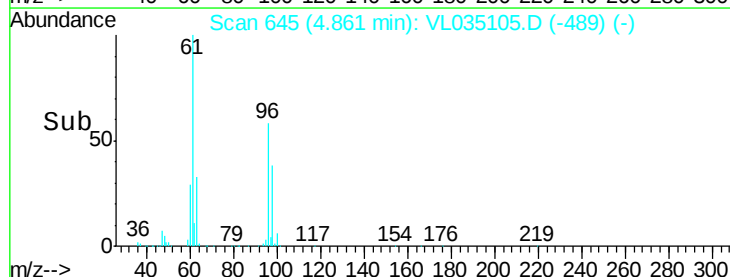
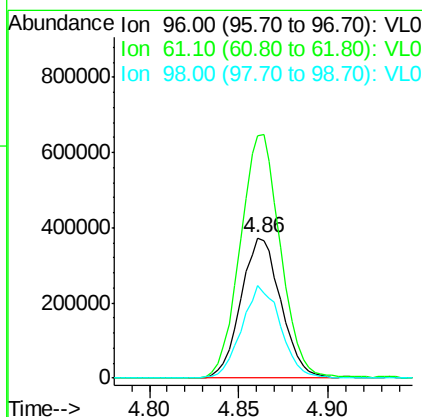
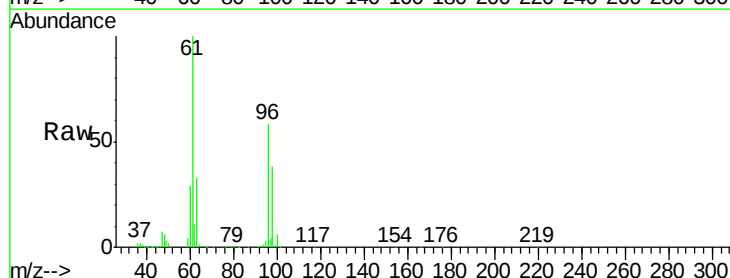
RT: 4.86 min Scan# 645

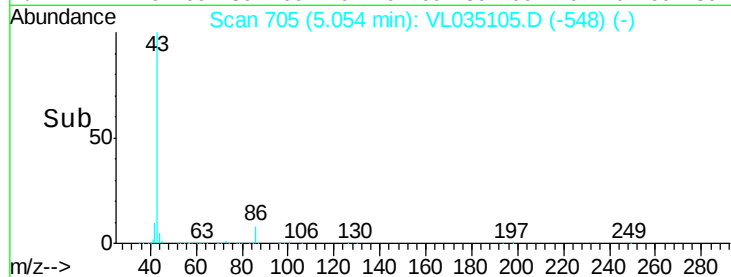
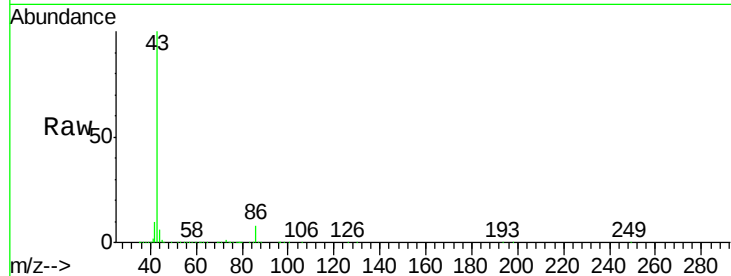
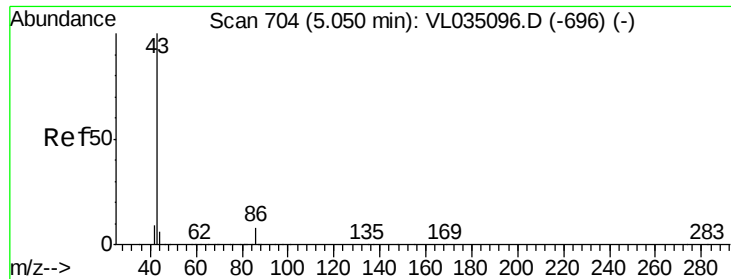
Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tgt Ion:	96	Resp:	585474
Ion Ratio	Lower	Upper	
96	100		
61	172.1	134.5	201.7
98	65.5	52.6	79.0





#23

Vinyl Acetate

Concen: 10.237 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.9	6.2	9.2	
42	9.9	8.1	12.1	
44	5.4	4.6	7.0	

Instrument :

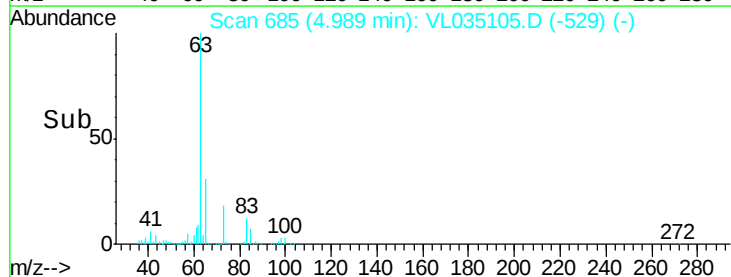
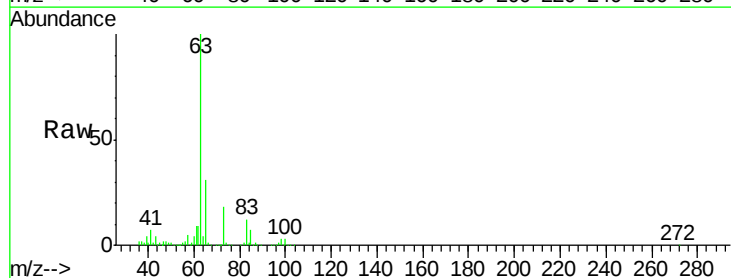
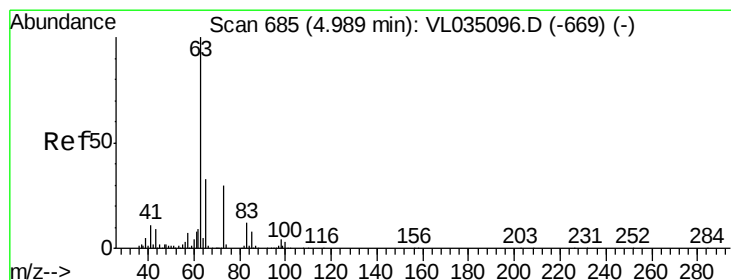
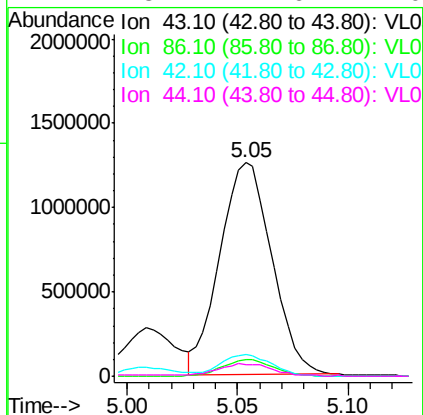
MSVOA_L

ClientSampleId :

VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:07 AM



#24

1,1-Dichloroethane

Concen: 9.282 ppbv

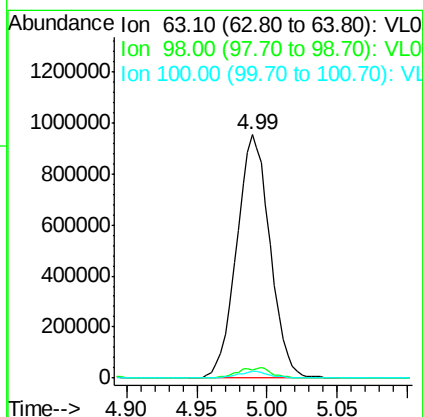
RT: 4.99 min Scan# 685

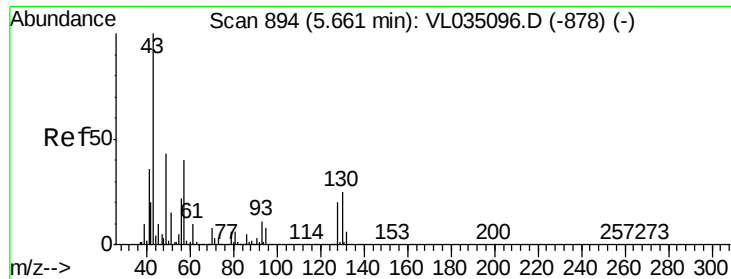
Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	3.4	2.3	6.9	
100	2.9	1.4	4.0	





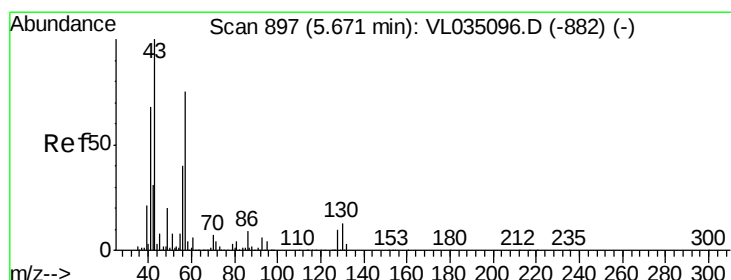
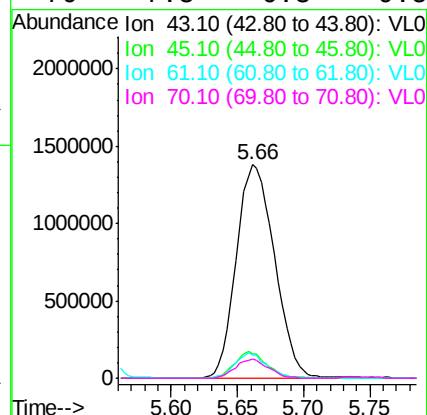
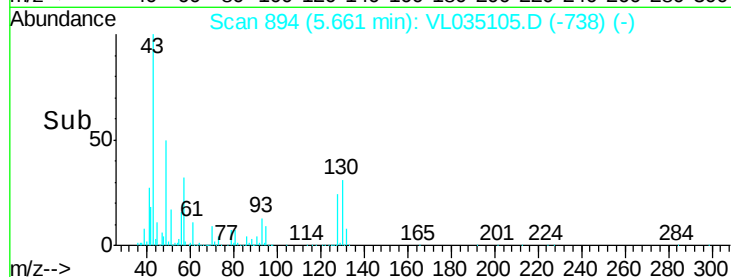
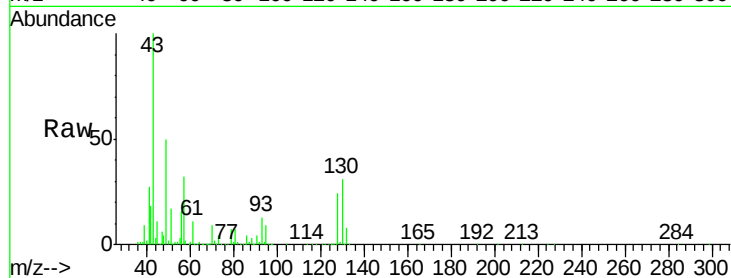
#25
Ethyl Acetate
Concen: 9.203 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	10.1	8.0	12.0
70	7.8	6.3	9.5

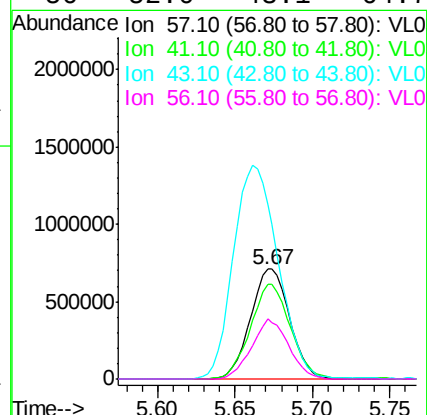
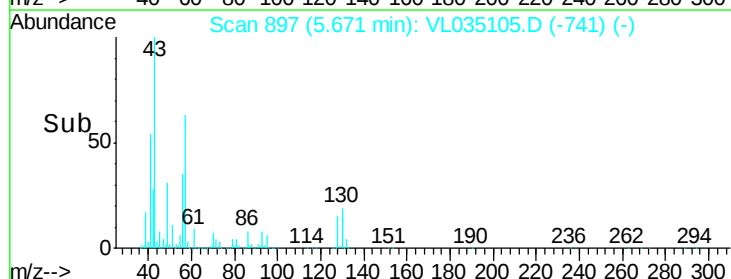
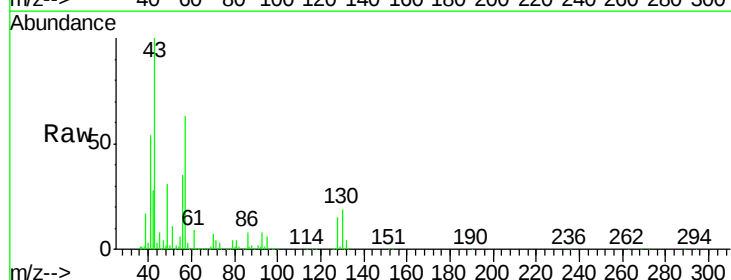
Manual Integrations
APPROVED

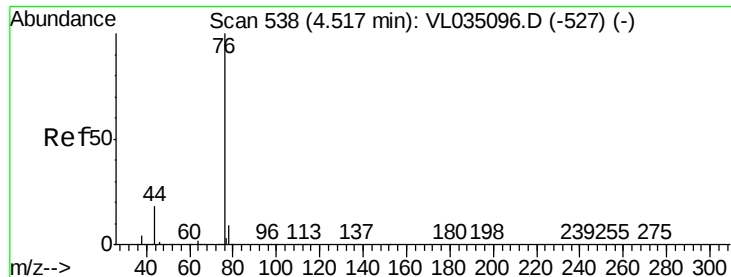
MMDadoda
6/23/2020 10:59:07 AM



#26
Hexane
Concen: 9.226 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.4	72.9	109.3
43	223.6	181.3	271.9
56	52.0	43.1	64.7





#27

Carbon Disulfide

Concen: 10.956 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1531212

Ion Ratio Lower Upper

76 100

44 19.0 15.8 23.8

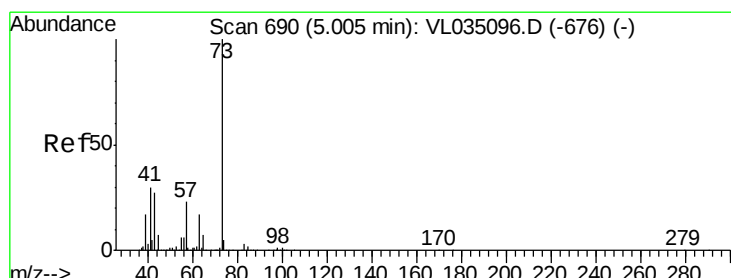
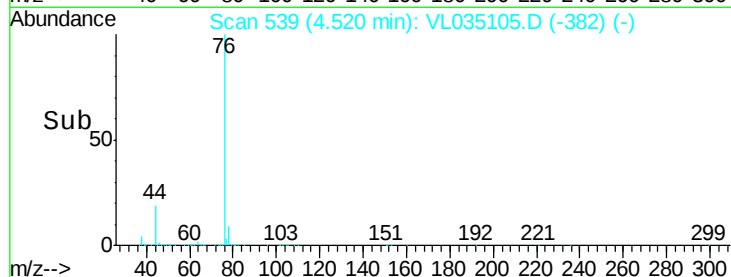
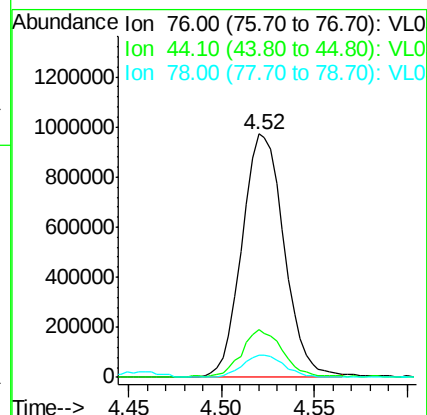
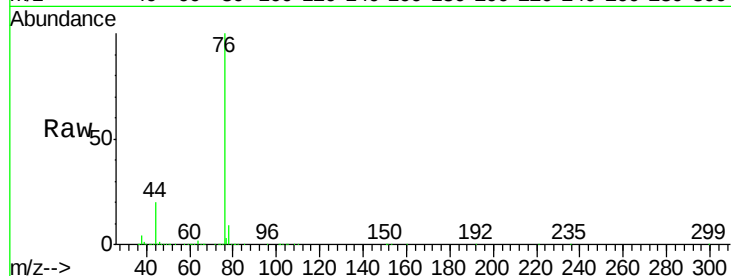
78 9.4 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



#28

Methyl tert-Butyl Ether

Concen: 9.856 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL035105.D

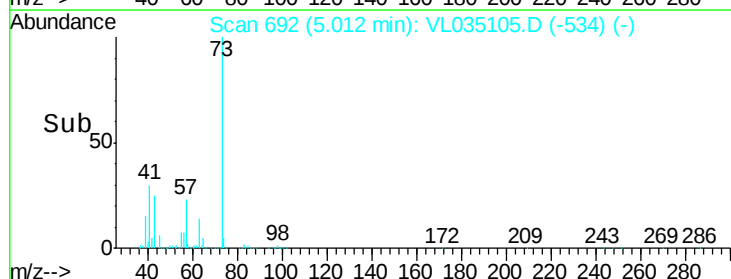
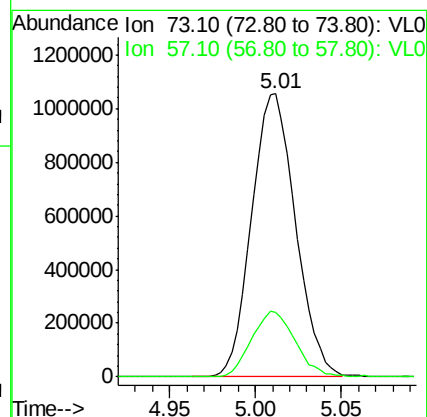
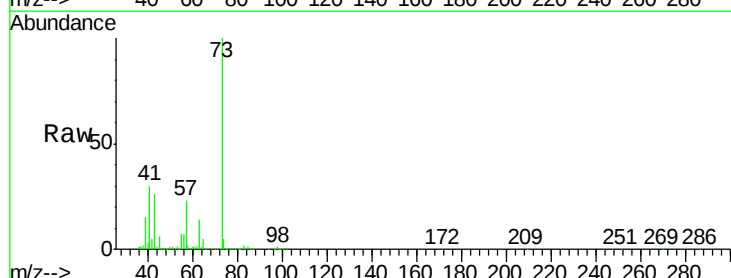
Acq: 22 Jun 2020 8:23

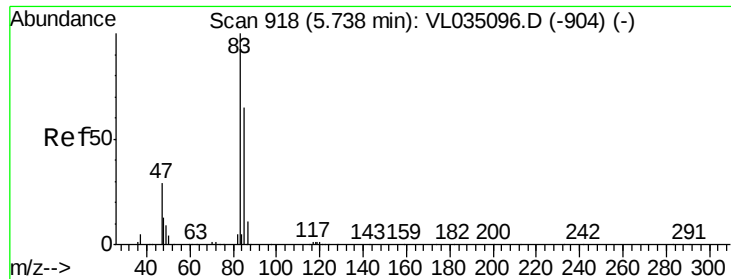
Tgt Ion: 73 Resp: 1870068

Ion Ratio Lower Upper

73 100

57 23.3 18.5 27.7





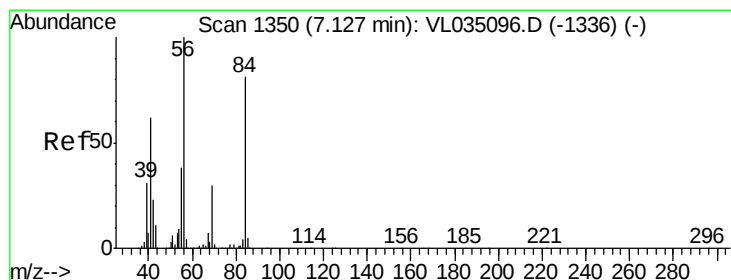
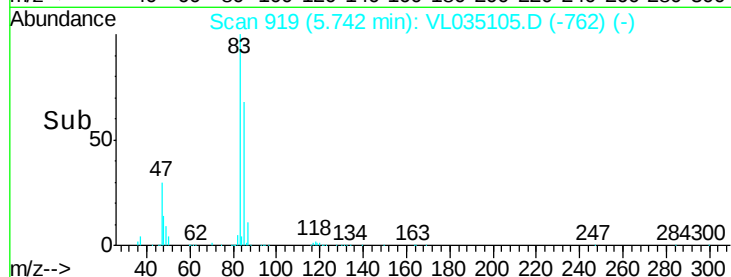
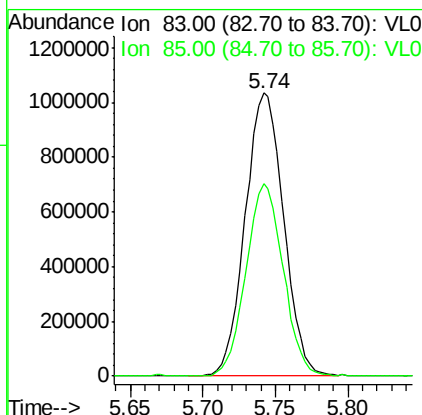
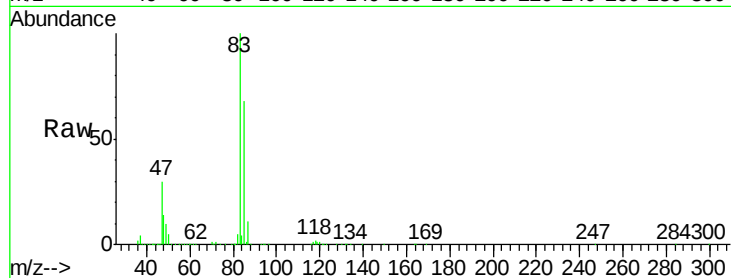
#29
Chloroform
Concen: 9.055 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1913639
Ion Ratio Lower Upper
83 100
85 68.1 52.1 78.1

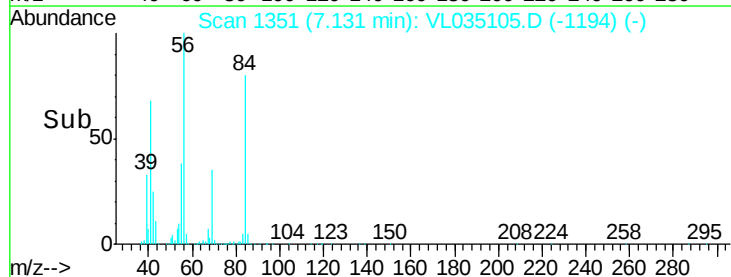
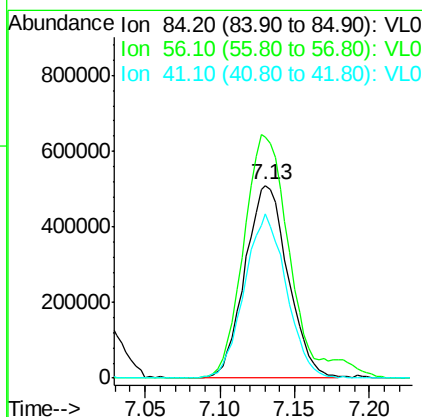
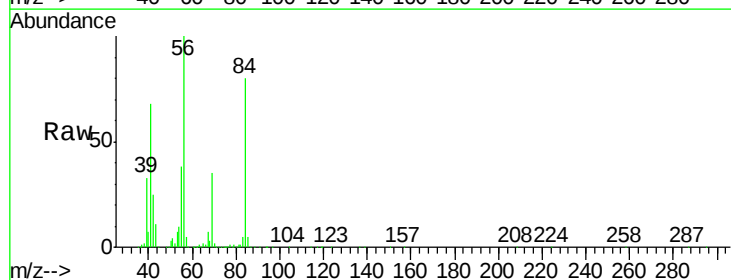
Manual Integrations
APPROVED

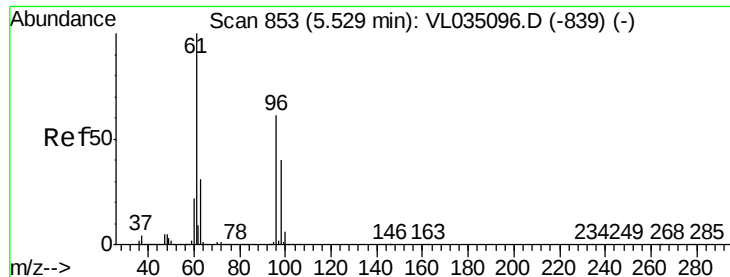
MMDadoda
6/23/2020 10:59:07 AM



#30
Cyclohexane
Concen: 10.506 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 84 Resp: 1018306
Ion Ratio Lower Upper
84 100
56 137.3 108.0 162.0
41 83.5 65.6 98.4





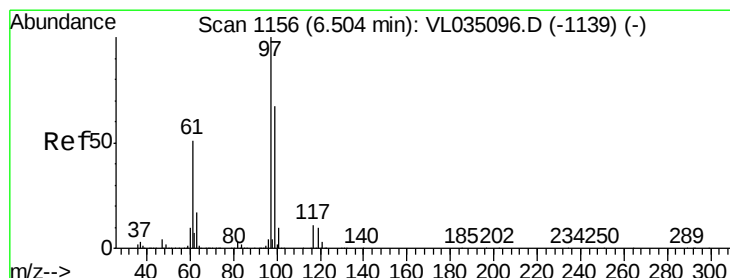
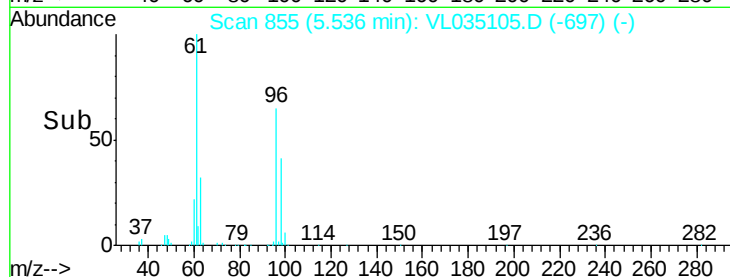
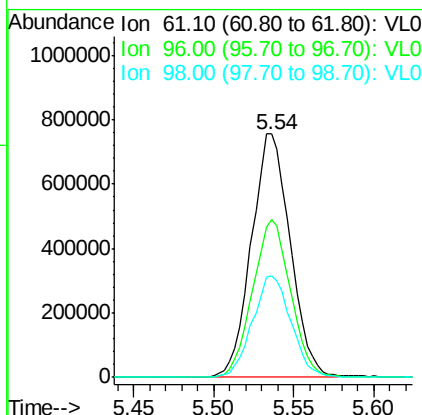
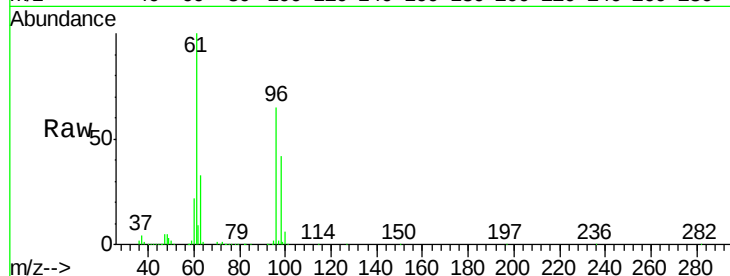
#31
 cis-1,2-Dichloroethene
 Concen: 10.130 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.9	48.8	73.2
98	41.5	31.9	47.9

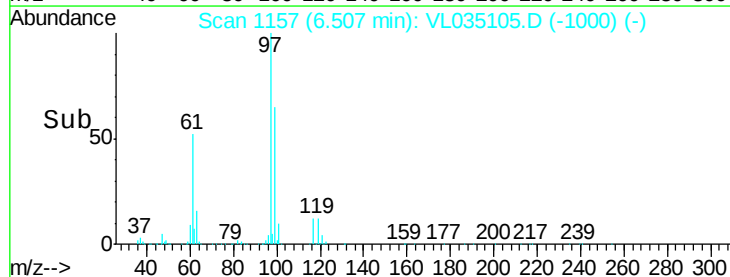
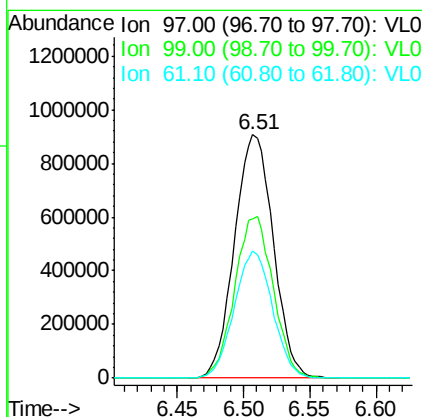
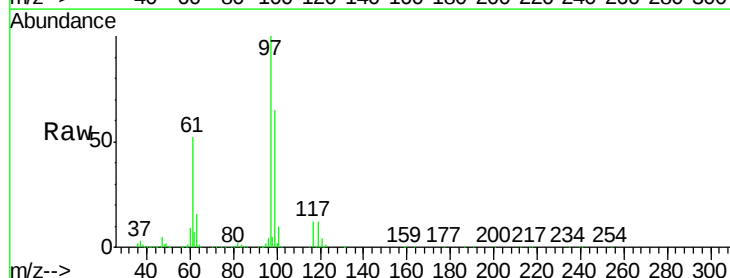
Manual Integrations
 APPROVED

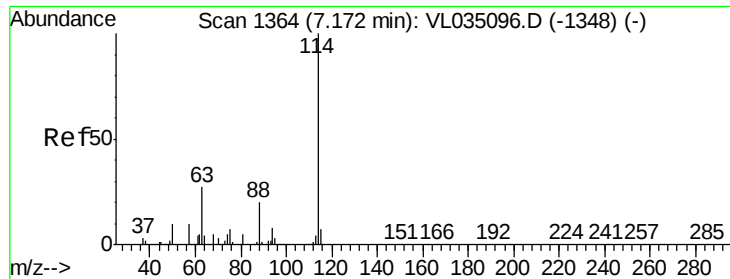
MMDadoda
 6/23/2020 10:59:07 AM



#32
 1,1,1-Trichloroethane
 Concen: 9.403 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.0	78.0
61	51.7	41.0	61.6





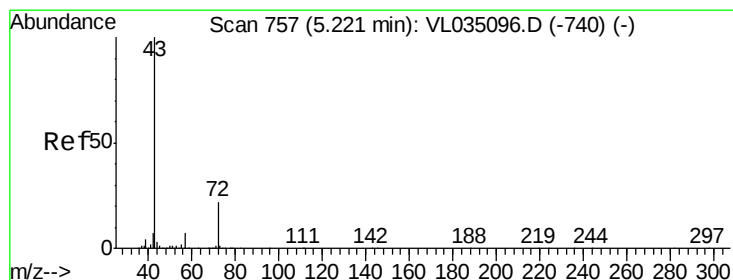
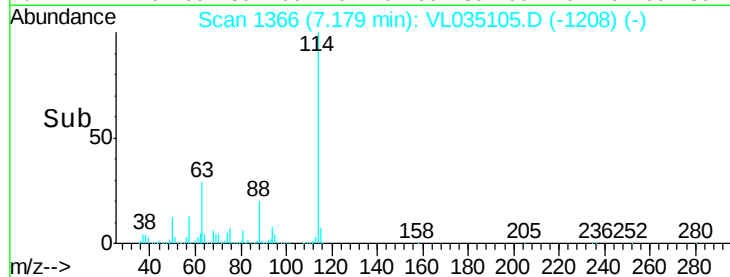
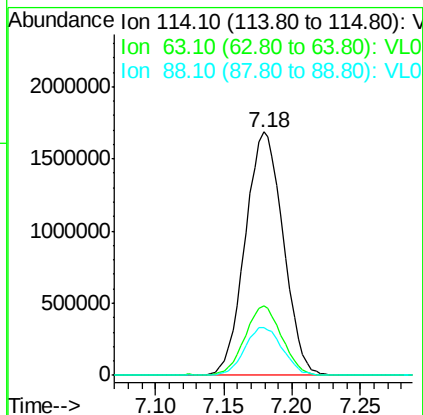
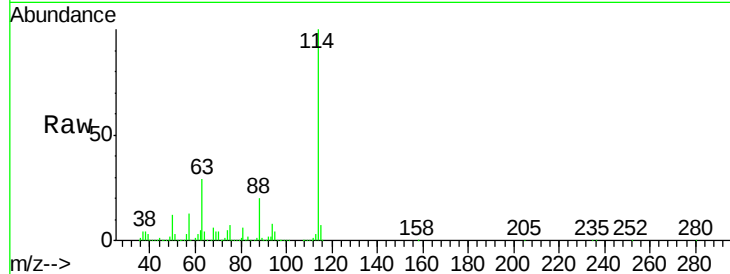
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 3259026
 Ion Ratio Lower Upper
 114 100
 63 28.2 21.9 32.9
 88 19.6 15.6 23.4

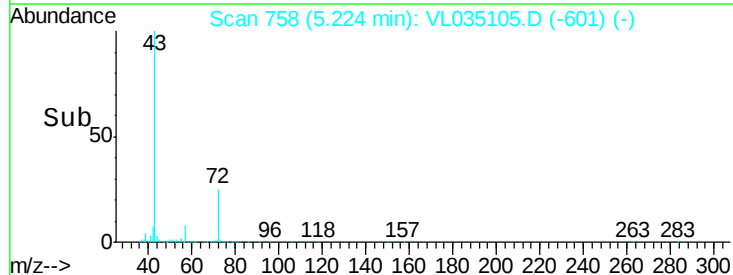
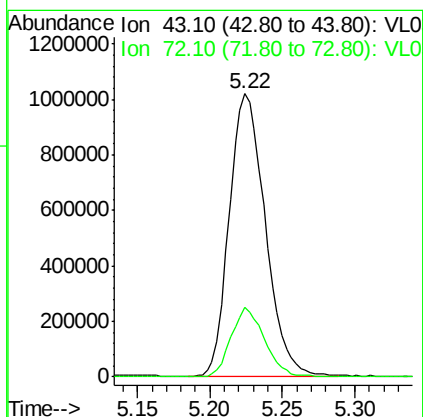
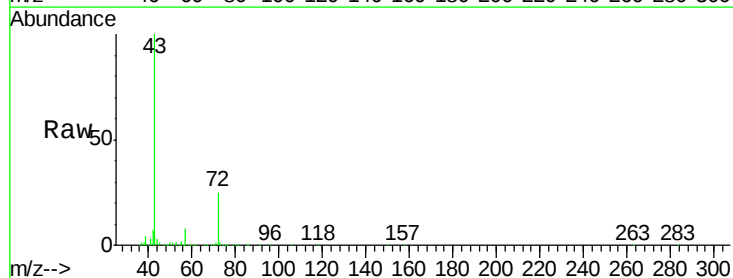
Manual Integrations
 APPROVED

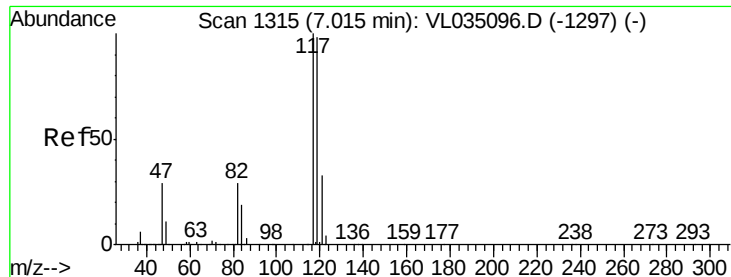
MMDadoda
 6/23/2020 10:59:07 AM



#34
 2-Butanone
 Concen: 9.410 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion: 43 Resp: 1761176
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.3 27.5





#35

Carbon Tetrachloride

Concen: 9.657 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 117 Resp: 1887594

Ion Ratio Lower Upper

117 100

119 97.6 78.3 117.5

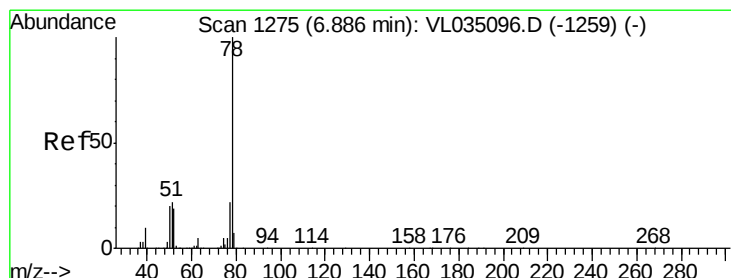
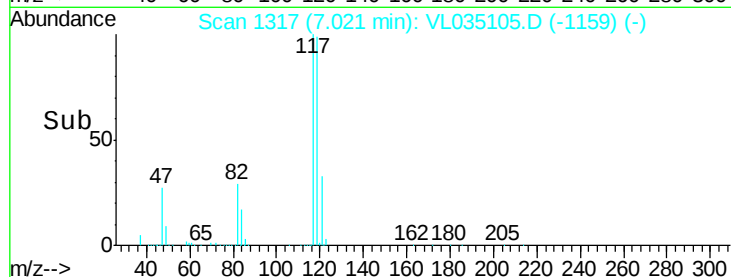
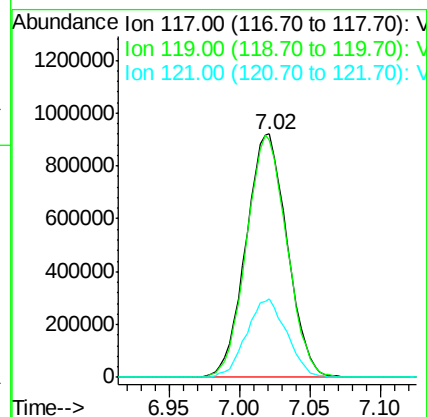
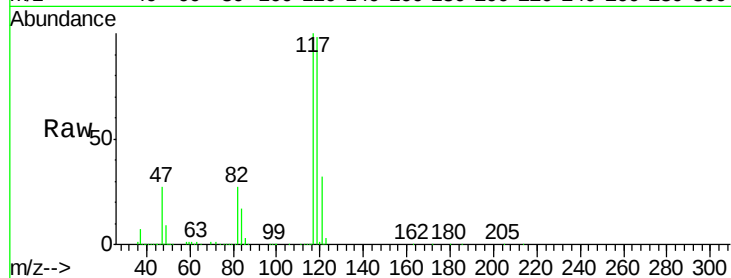
121 32.2 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



#36

Benzene

Concen: 9.750 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

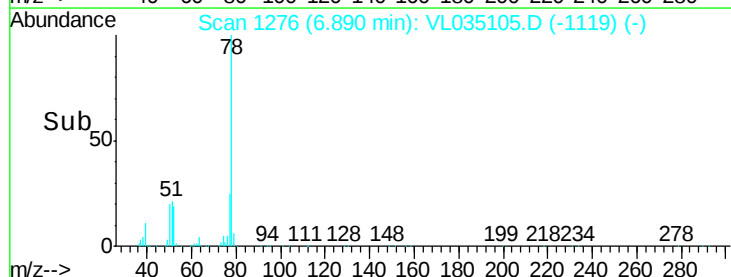
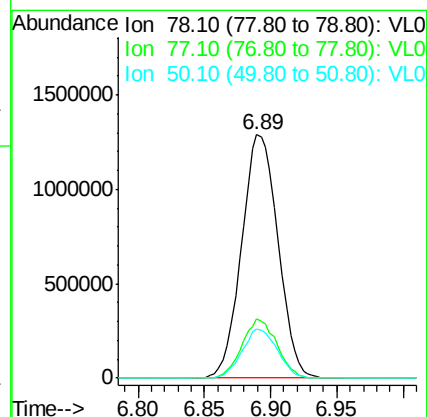
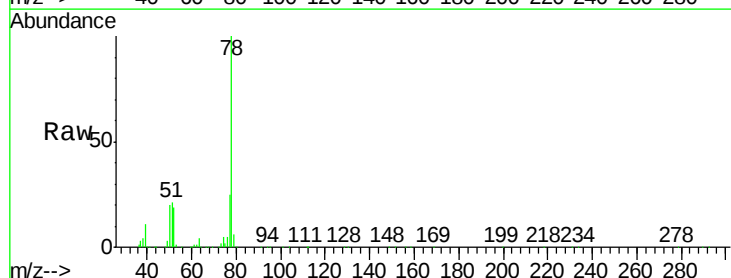
Tgt Ion: 78 Resp: 2460586

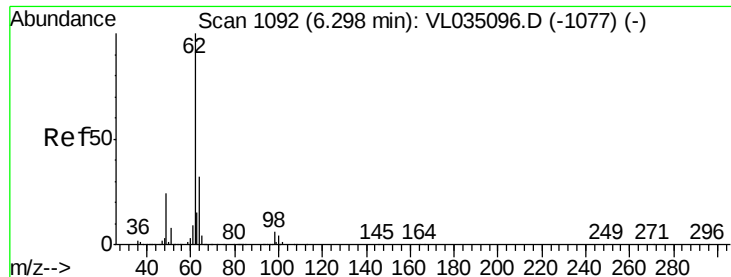
Ion Ratio Lower Upper

78 100

77 24.5 17.8 26.6

50 20.3 16.2 24.2





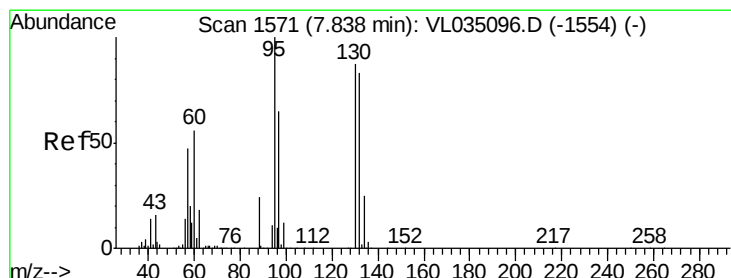
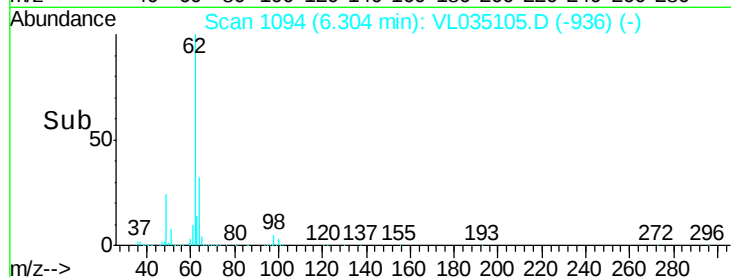
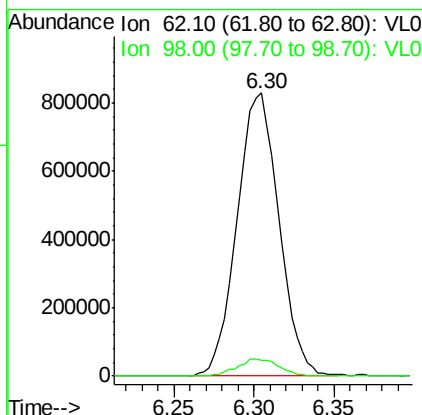
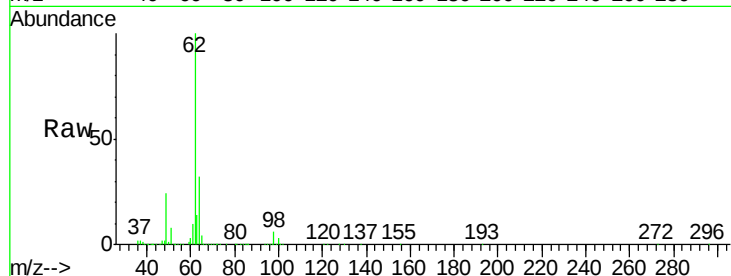
#37
 1,2-Dichloroethane
 Concen: 9.282 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.8	7.2

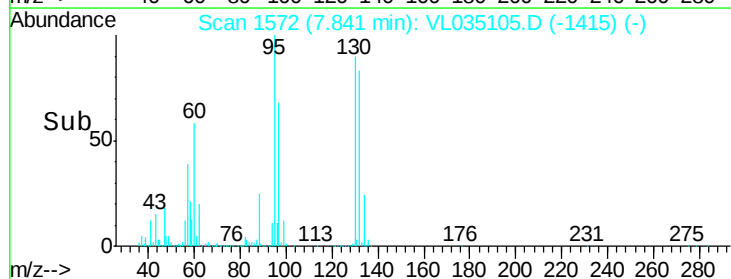
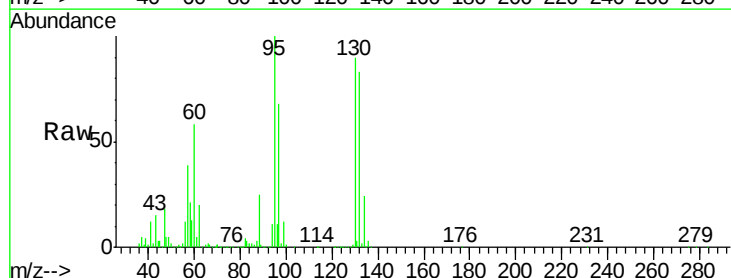
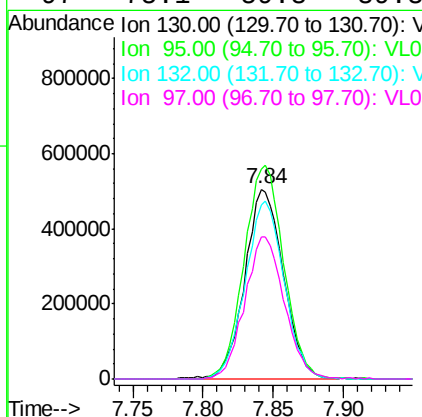
Manual Integrations
 APPROVED

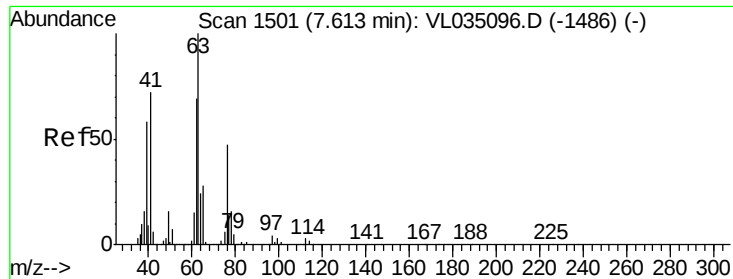
MMDadoda
 6/23/2020 10:59:07 AM



#38
 Trichloroethene
 Concen: 9.899 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.5	91.4	137.2
132	91.5	75.8	113.6
97	75.1	59.8	89.8





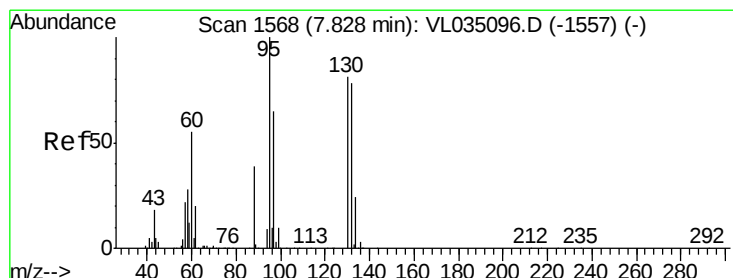
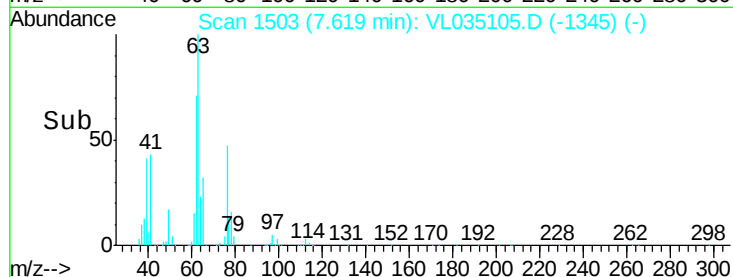
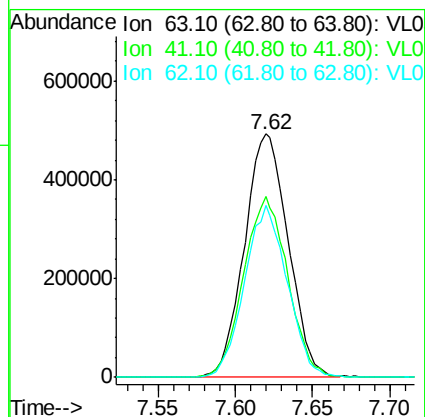
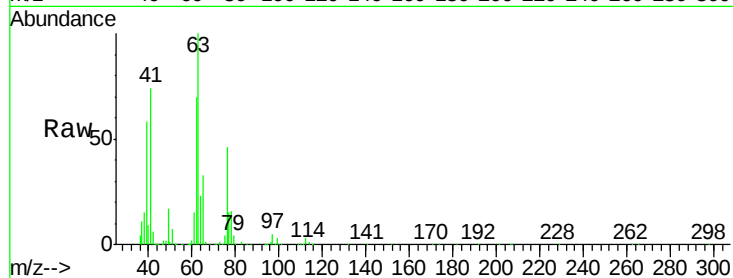
#39
 1,2-Dichloropropane
 Concen: 9.838 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.4	58.0	87.0
62	70.3	55.4	83.0

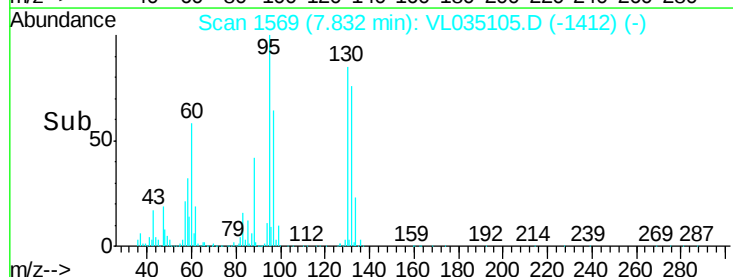
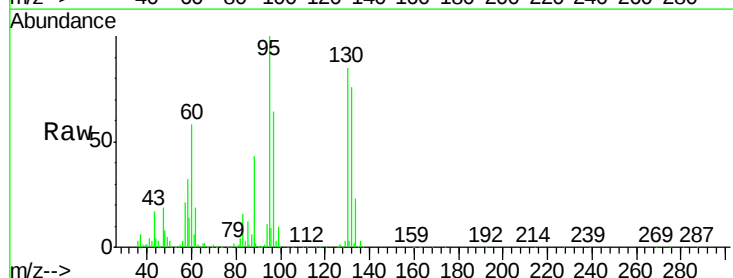
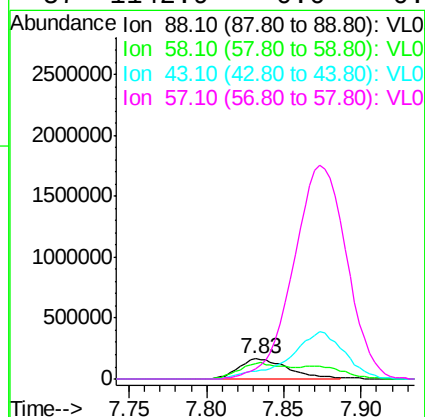
Manual Integrations
 APPROVED

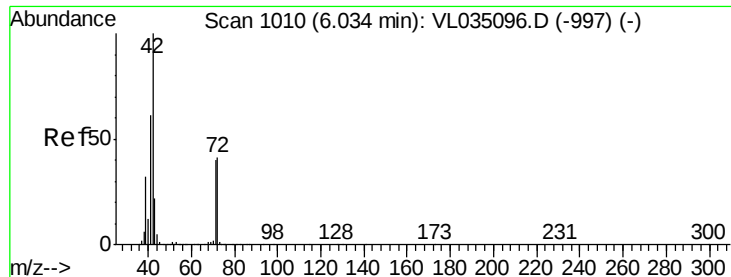
MMDadoda
 6/23/2020 10:59:07 AM



#40
 1,4-Dioxane
 Concen: 9.451 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.1	110.2	165.4
43	265.3	0.0	0.0#
57	1142.9	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.456 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

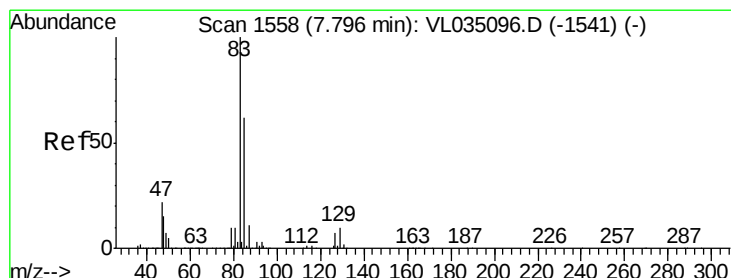
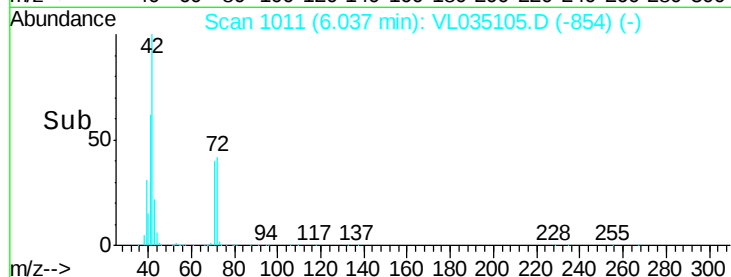
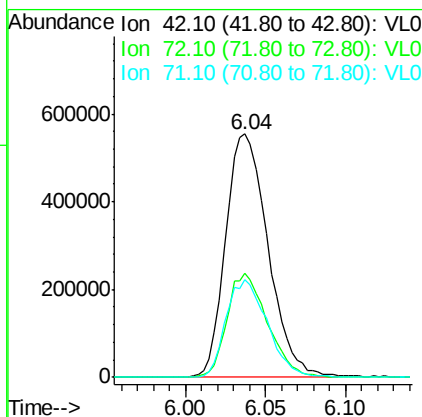
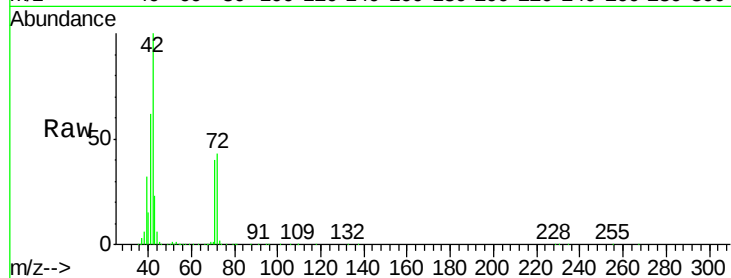
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	999508
Ion Ratio		Lower	Upper
42	100		
72	41.1	33.4	50.2
71	39.5	31.8	47.6

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:07 AM



#42

Bromodichloromethane

Concen: 9.898 ppbv

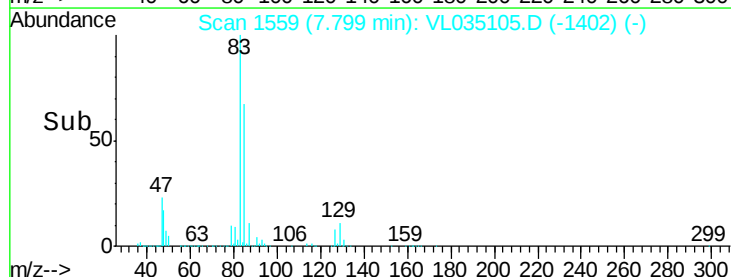
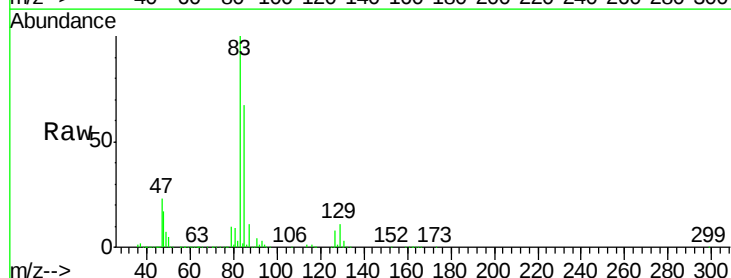
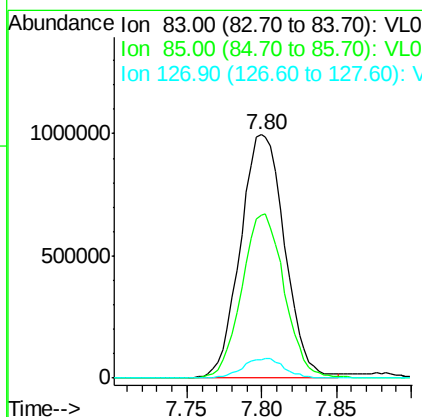
RT: 7.80 min Scan# 1559

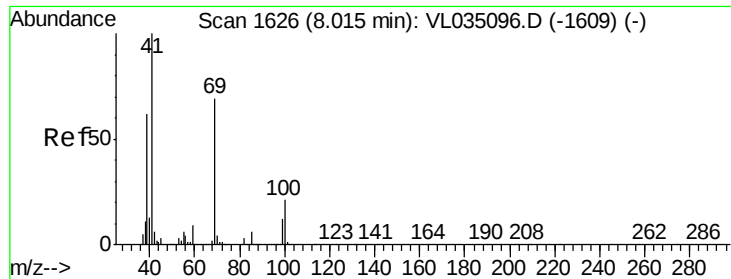
Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tgt Ion:	83	Resp:	2044612
Ion Ratio		Lower	Upper
83	100		
85	66.8	49.4	74.0
127	7.6	5.9	8.9





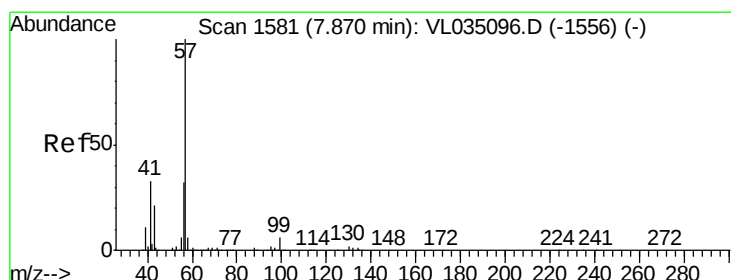
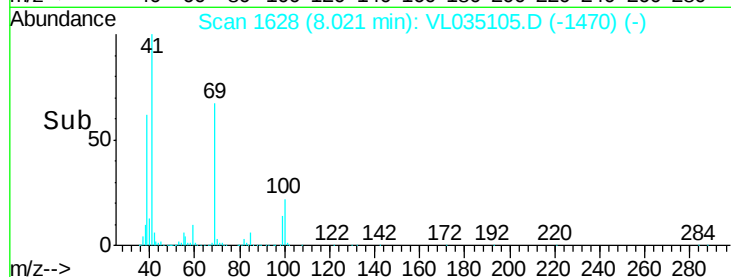
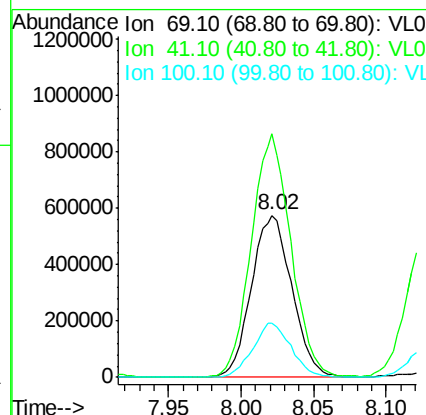
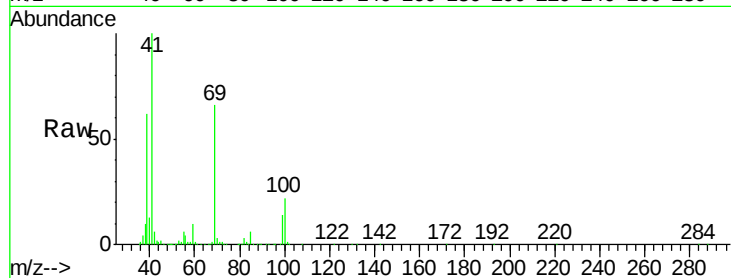
#43
Methvl Methacrilate
Concen: 10.449 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1116188
Ion Ratio Lower Upper
69 100
41 146.7 116.4 174.6
100 31.9 25.3 37.9

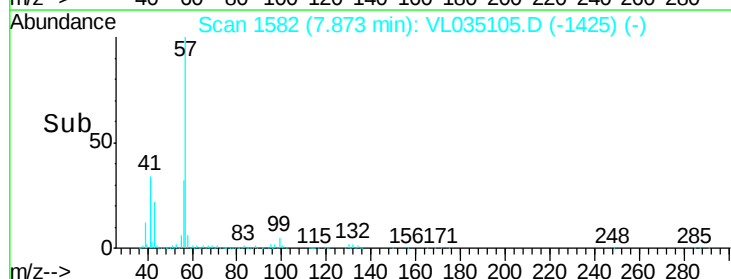
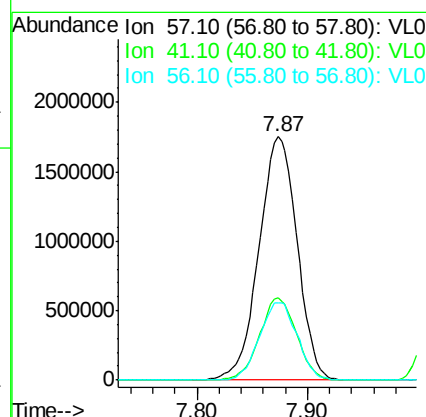
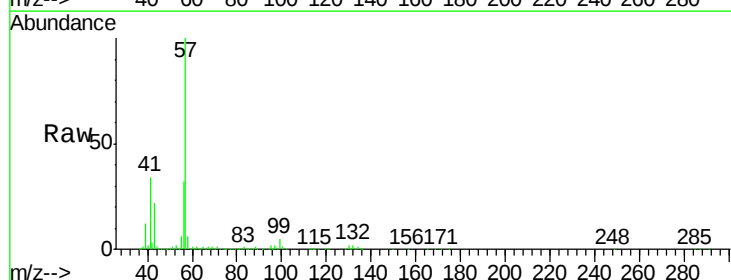
Manual Integrations
APPROVED

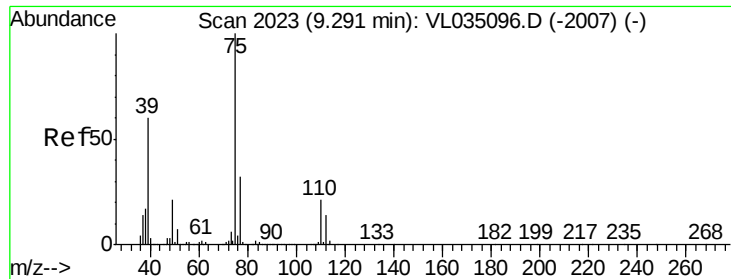
MMDadoda
6/23/2020 10:59:07 AM



#44
2,2,4-Trimethylpentane
Concen: 9.532 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 57 Resp: 4198453
Ion Ratio Lower Upper
57 100
41 32.8 26.2 39.2
56 31.4 25.4 38.2





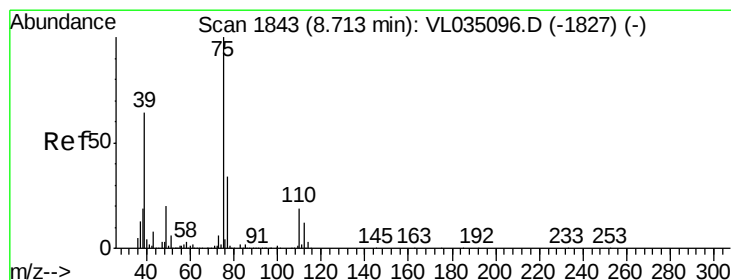
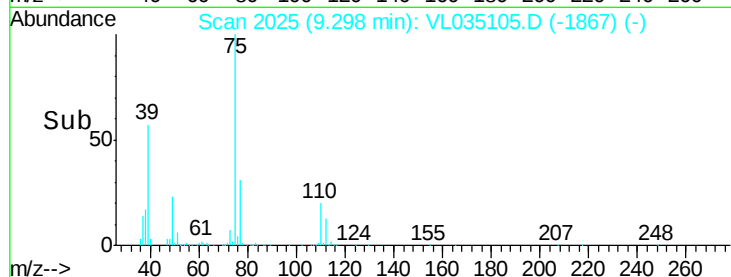
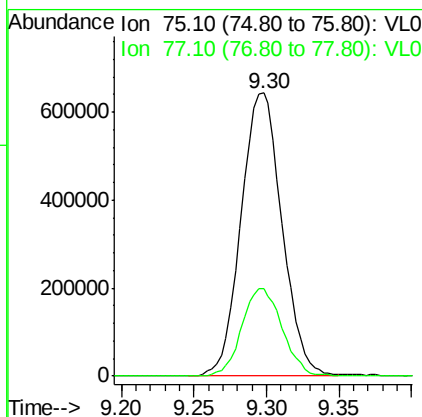
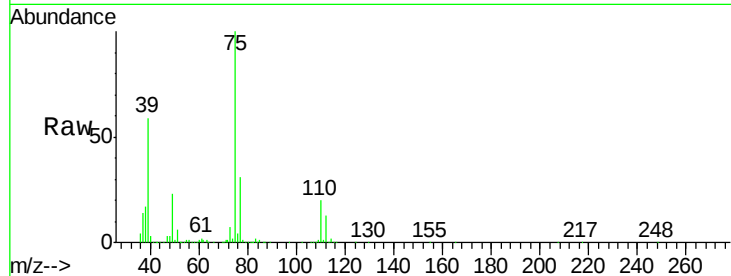
#45
t-1,3-Dichloropropene
Concen: 12.165 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1264664
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3

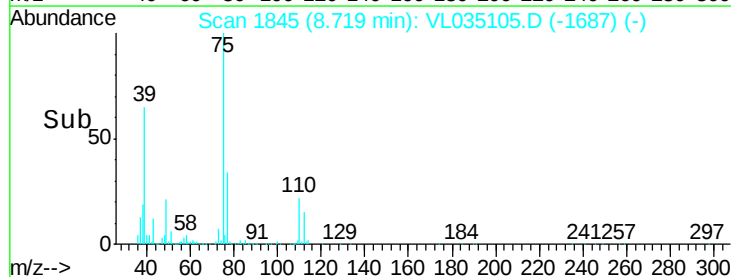
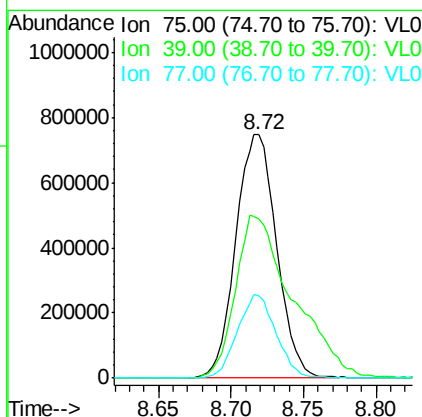
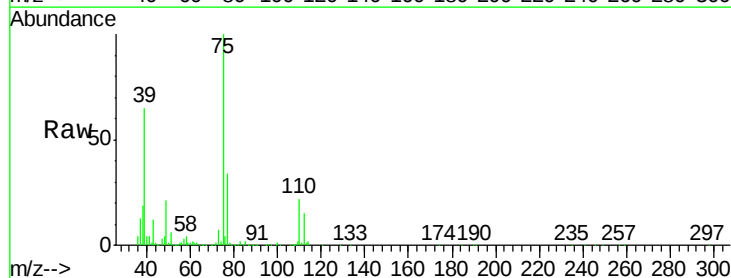
Manual Integrations
APPROVED

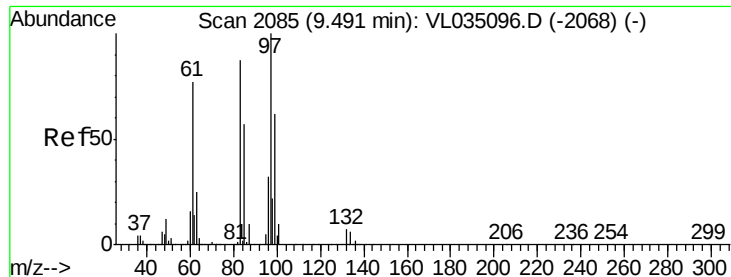
MMDadoda
6/23/2020 10:59:07 AM



#46
cis-1,3-Dichloropropene
Concen: 11.309 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 75 Resp: 1460527
Ion Ratio Lower Upper
75 100
39 65.1 51.1 76.7
77 33.7 26.9 40.3





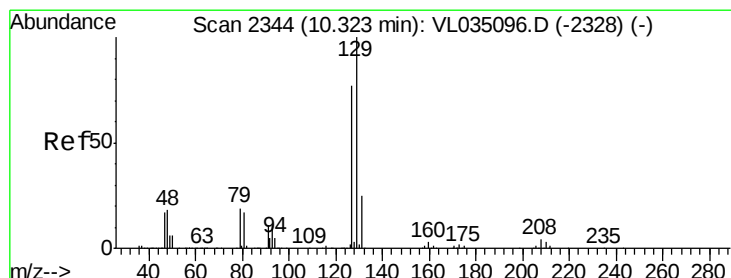
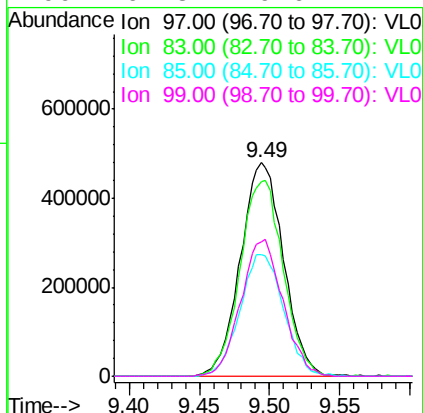
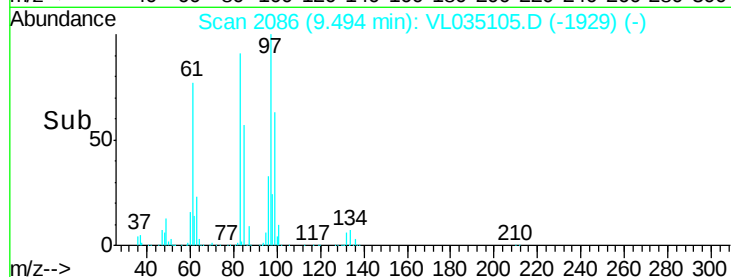
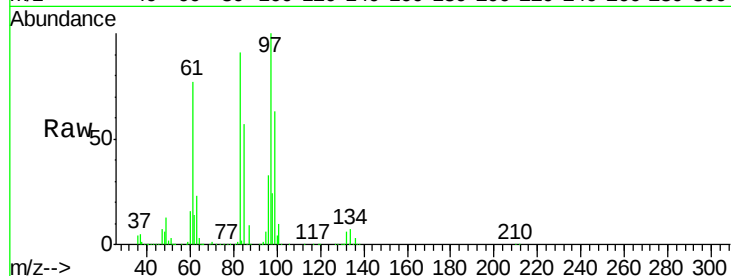
#47
 1,1,2-Trichloroethane
 Concen: 9.496 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.5	104.3
85	56.8	46.0	69.0
99	62.8	49.6	74.4

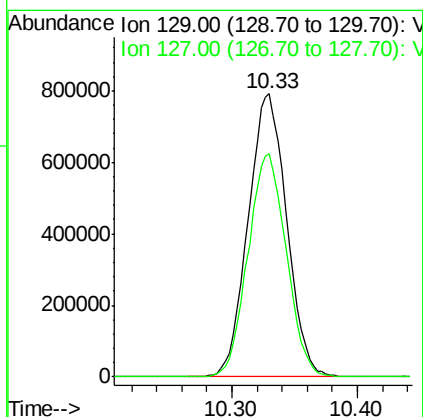
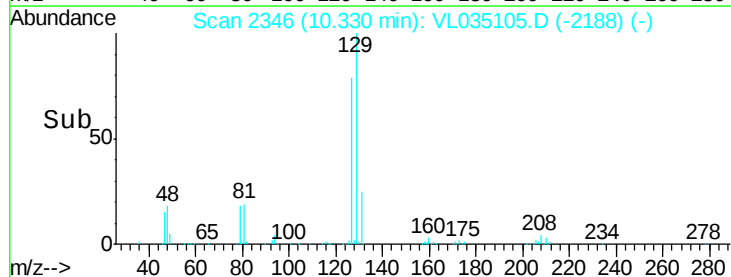
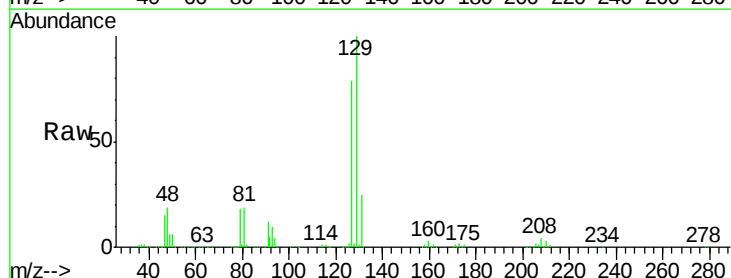
Manual Integrations
 APPROVED

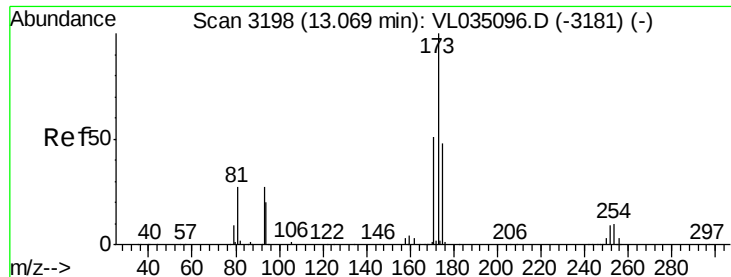
MMDadoda
 6/23/2020 10:59:07 AM



#48
 Dibromochloromethane
 Concen: 10.523 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8





#49

Bromoform

Concen: 10.816 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1475641

Ion Ratio Lower Upper

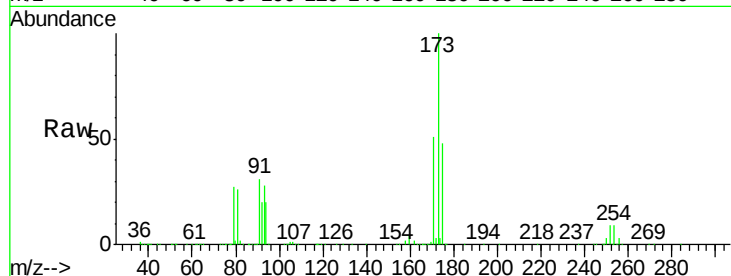
173 100

175 49.5 39.1 58.7

171 51.2 41.7 62.5

Manual Integrations
APPROVED

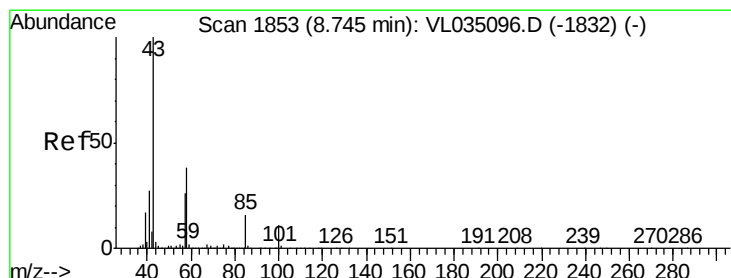
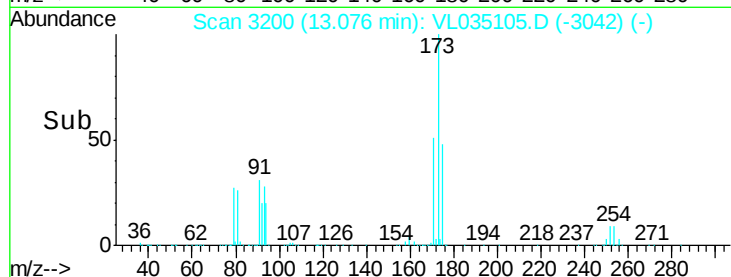
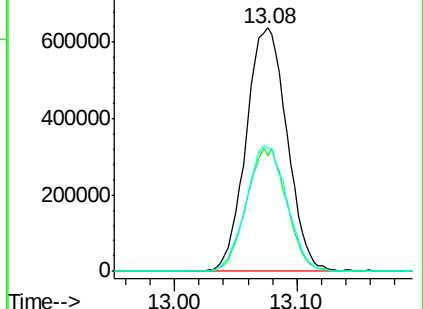
MMDadoda
6/23/2020 10:59:07 AM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.953 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035105.D

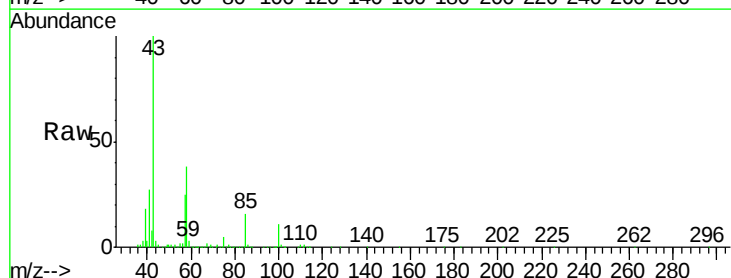
Acq: 22 Jun 2020 8:23

Tgt Ion: 43 Resp: 2646491

Ion Ratio Lower Upper

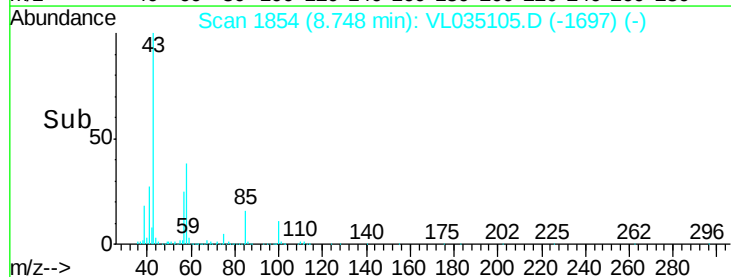
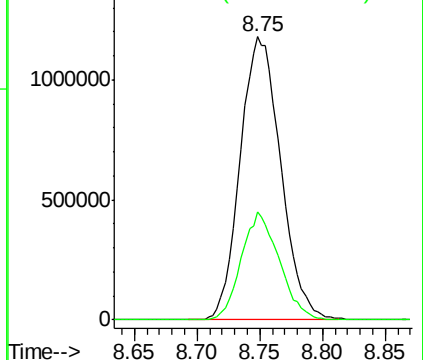
43 100

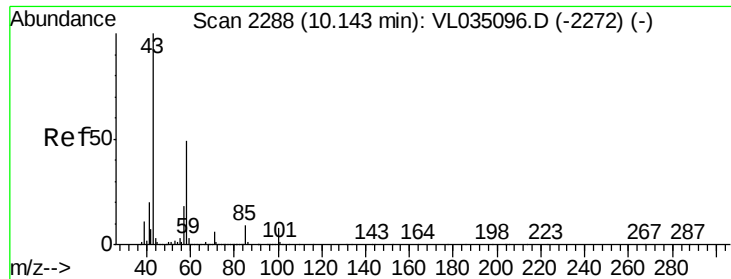
58 35.9 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





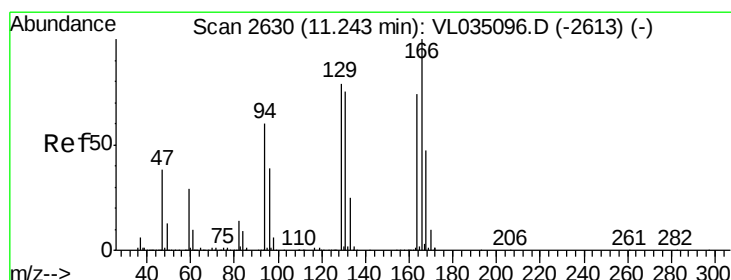
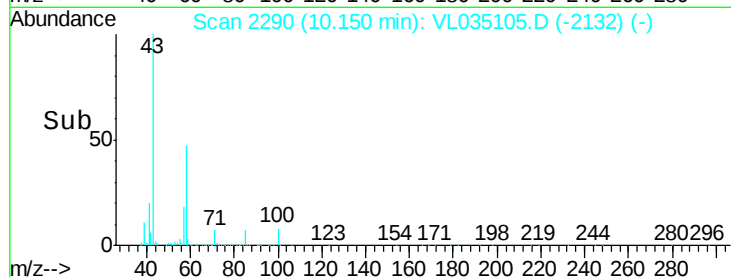
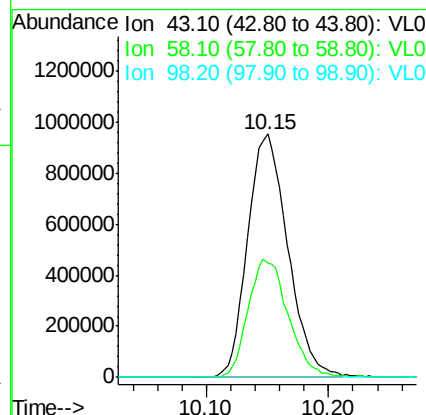
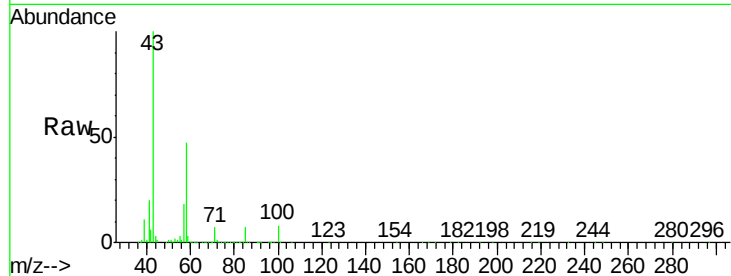
#51
2-Hexanone
Concen: 10.407 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2167122
Ion Ratio Lower Upper
43 100
58 48.6 39.2 58.8
98 0.1 0.3 0.5#

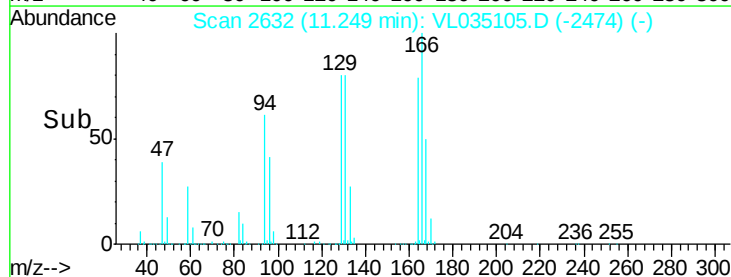
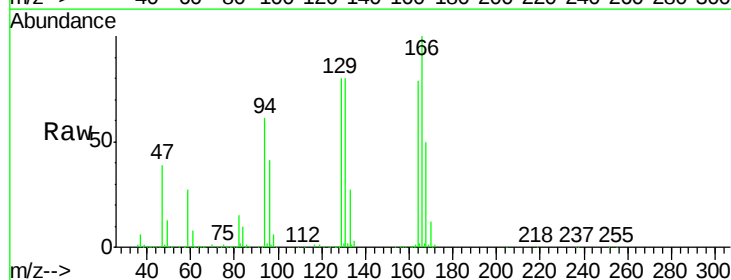
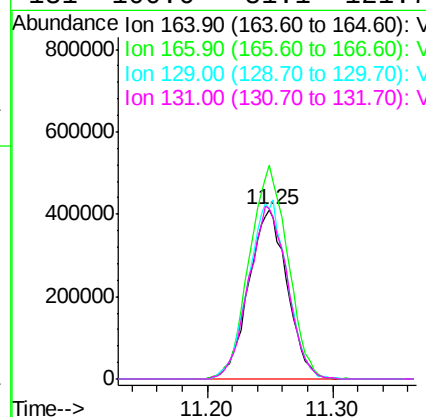
Manual Integrations
APPROVED

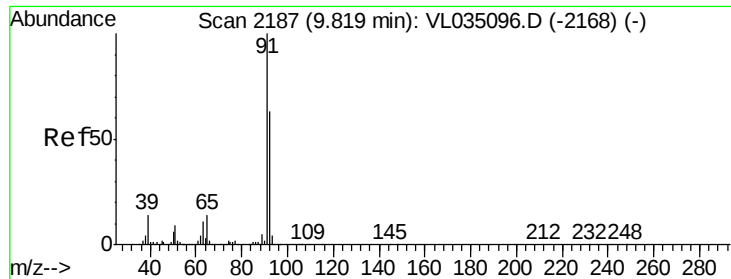
MMDadoda
6/23/2020 10:59:07 AM



#52
Tetrachloroethene
Concen: 9.843 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 164 Resp: 875297
Ion Ratio Lower Upper
164 100
166 126.2 107.5 161.3
129 100.4 84.9 127.3
131 100.6 81.1 121.7





#53

Toluene

Concen: 10.573 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2846120

Ion Ratio Lower Upper

91 100

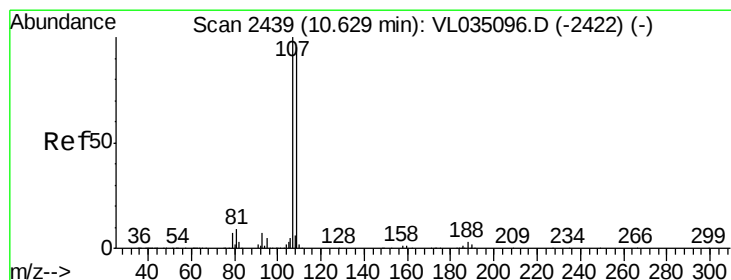
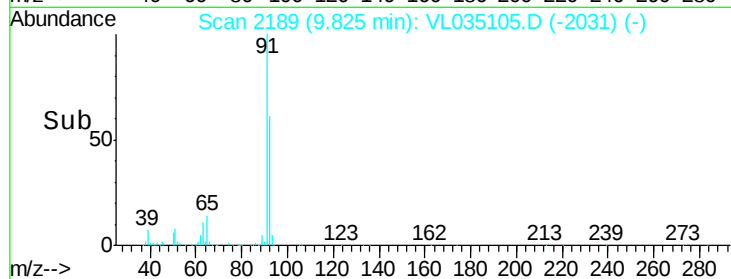
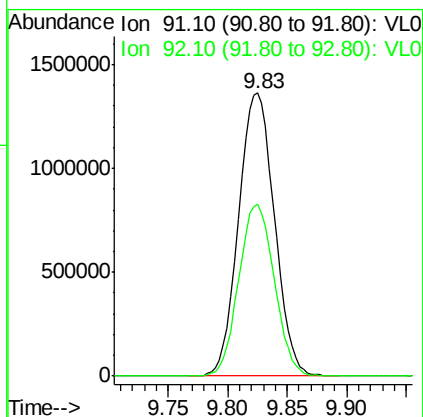
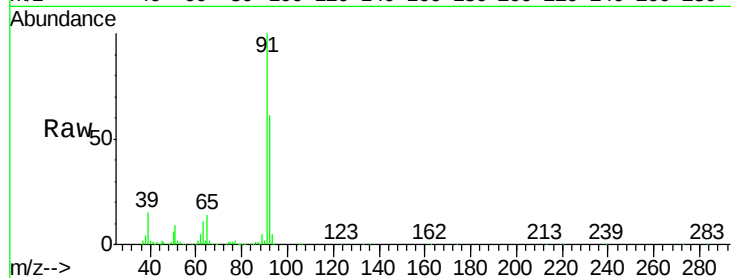
92 60.3 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



#54

1,2-Dibromoethane

Concen: 9.676 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.01 min

Lab File: VL035105.D

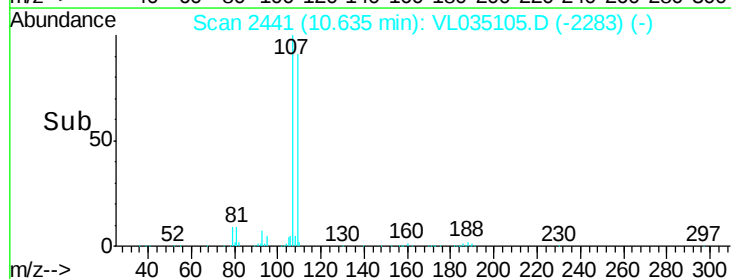
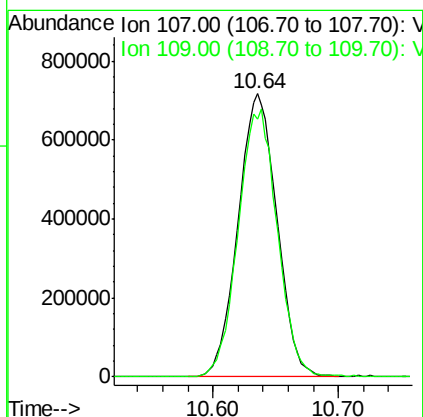
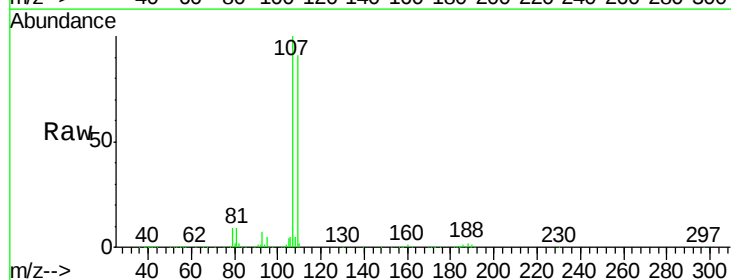
Acq: 22 Jun 2020 8:23

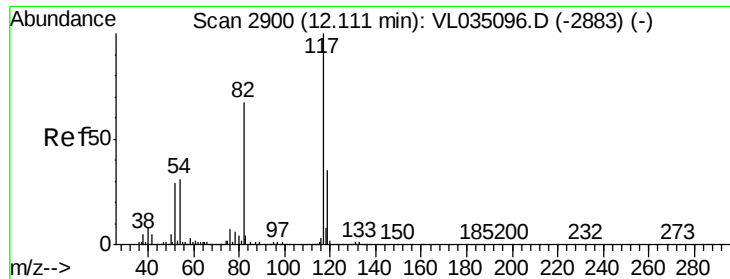
Tgt Ion: 107 Resp: 1543339

Ion Ratio Lower Upper

107 100

109 91.1 75.9 113.9





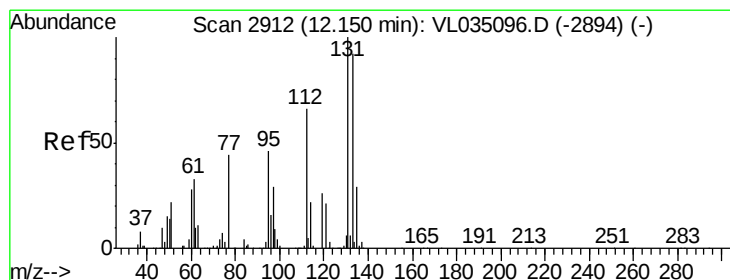
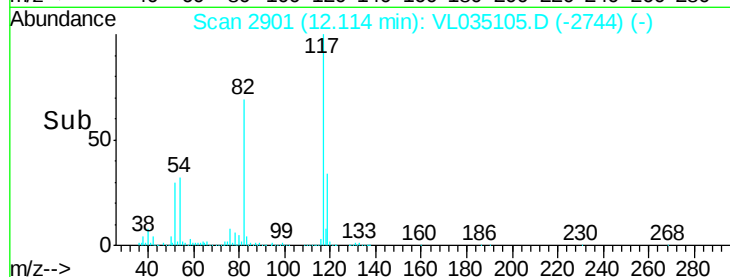
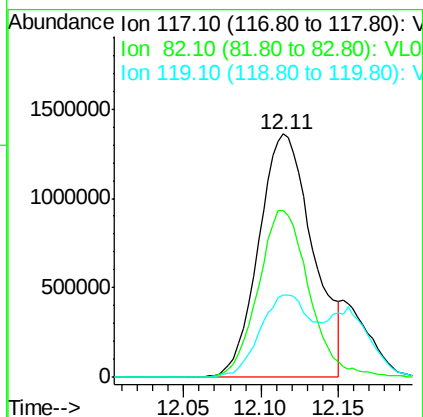
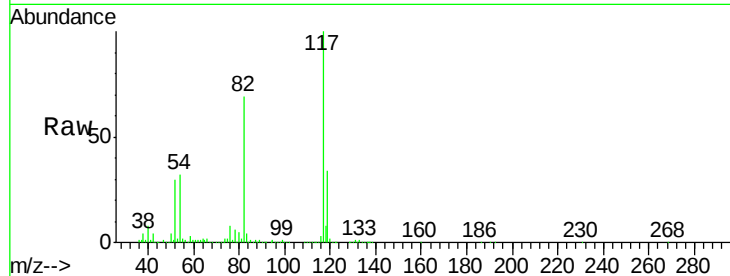
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.9	50.4	75.6
119	54.7	25.4	38.0

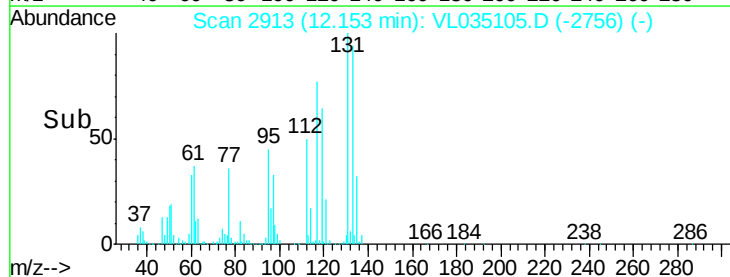
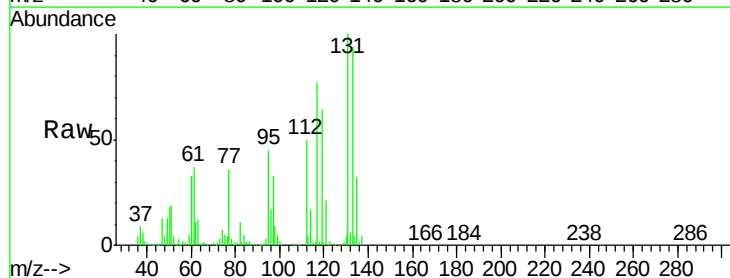
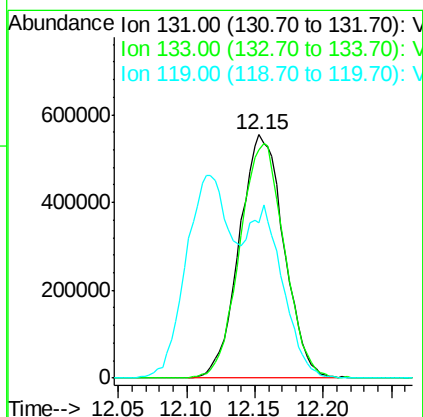
Manual Integrations
APPROVED

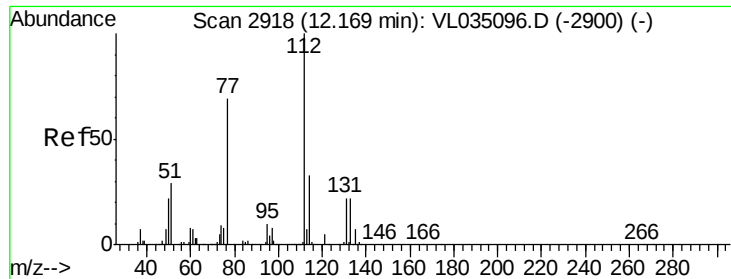
MMDadoda
6/23/2020 10:59:07 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.280 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	76.2	114.4
119	144.0	114.6	172.0





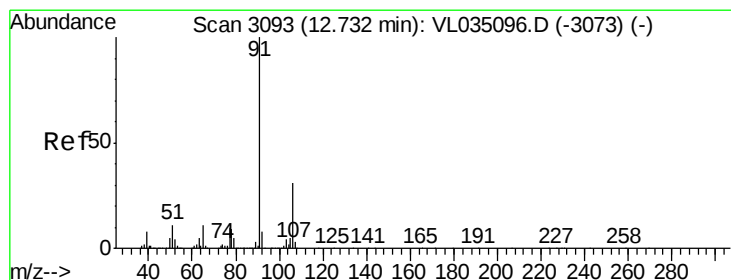
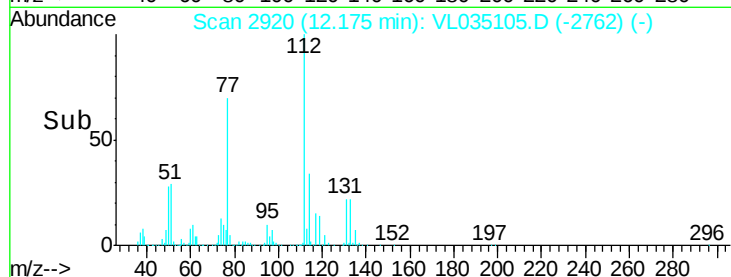
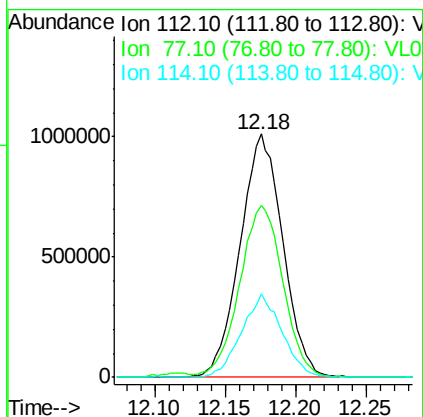
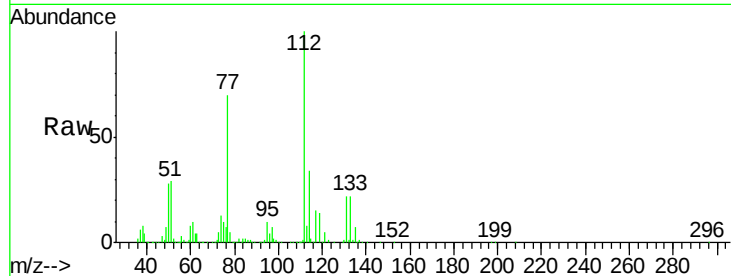
#57
Chlorobenzene
Concen: 8.806 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.0	56.7	85.1
114	34.0	29.3	35.9

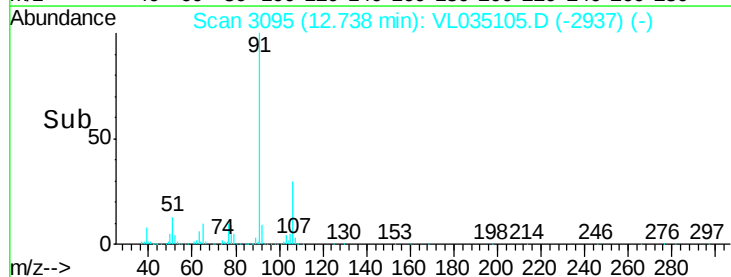
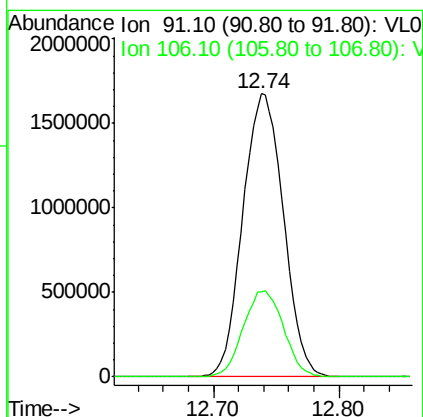
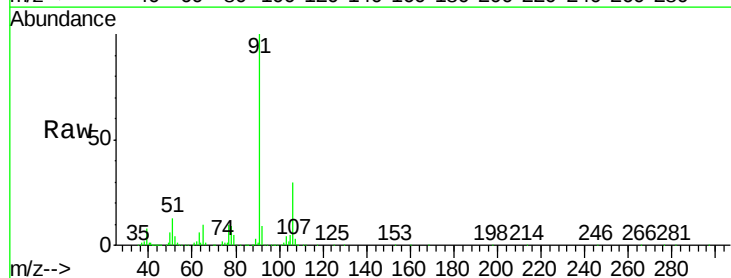
Manual Integrations
APPROVED

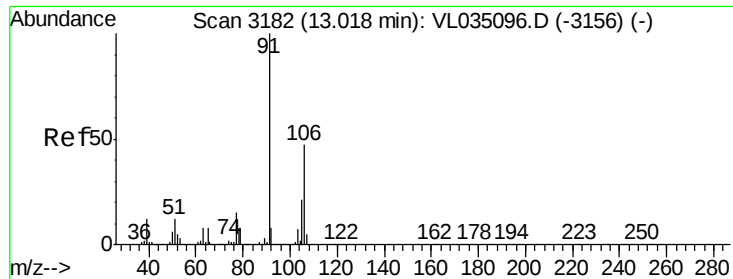
MMDadoda
6/23/2020 10:59:07 AM



#58
Ethyl Benzene
Concen: 10.157 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.6





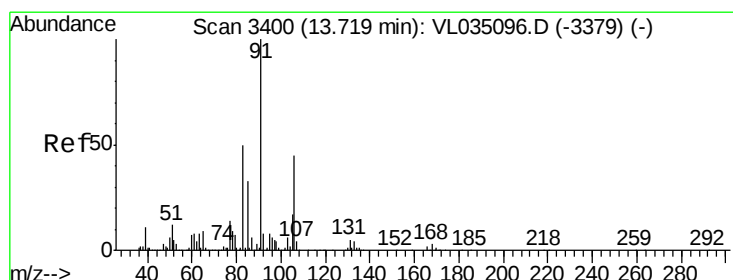
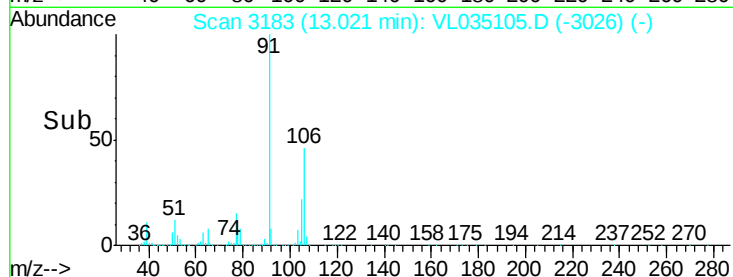
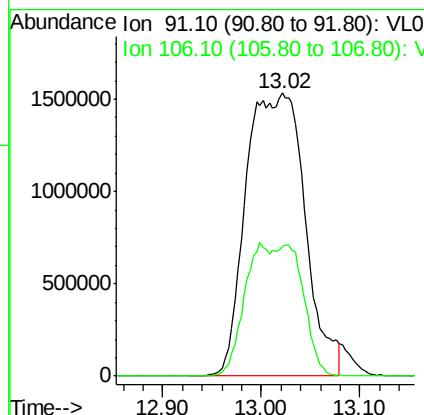
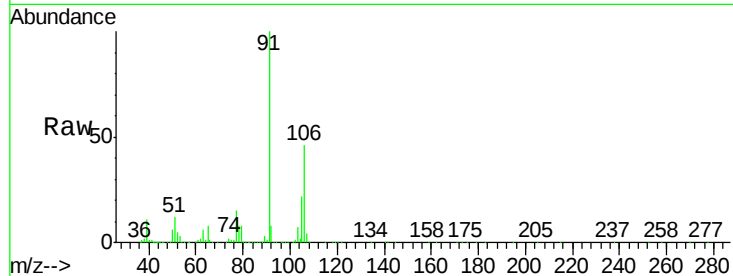
#59
m/p-Xylene
Concen: 19.313 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6359867
Ion Ratio Lower Upper
91 100
106 0.0 36.5 54.7#

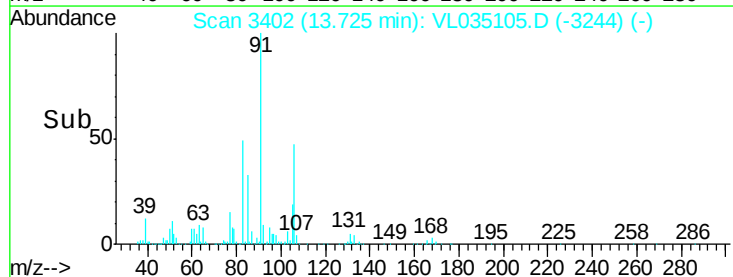
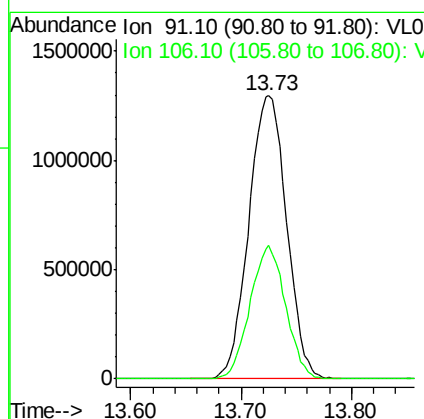
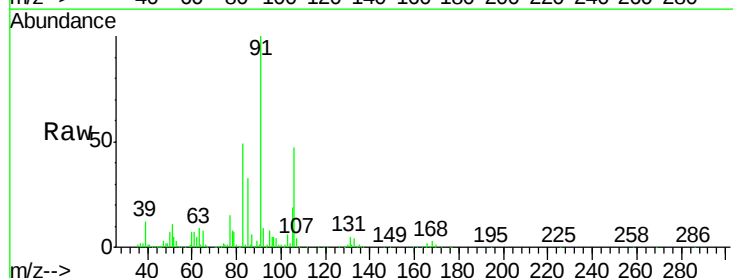
Manual Integrations
APPROVED

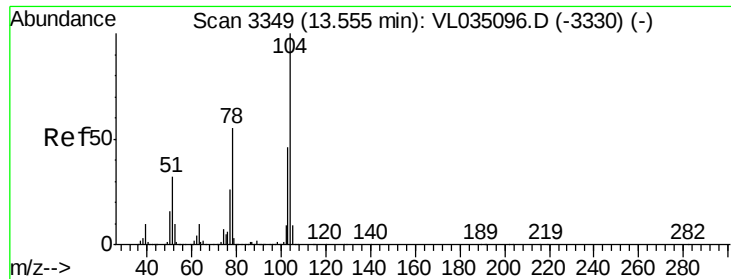
MMDadoda
6/23/2020 10:59:07 AM



#60
o-Xylene
Concen: 9.362 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 91 Resp: 3069246
Ion Ratio Lower Upper
91 100
106 44.5 22.1 66.5





#61

Stvrene

Concen: 10.789 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2225673

Ion Ratio Lower Upper

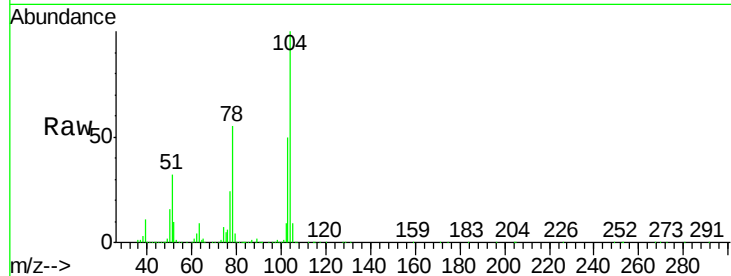
104 100

78 54.6 43.4 65.0

103 48.2 38.3 57.5

Manual Integrations
APPROVED

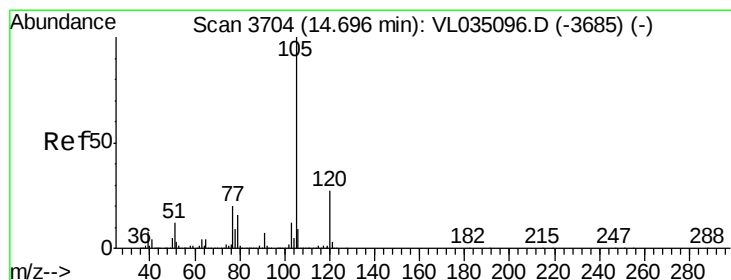
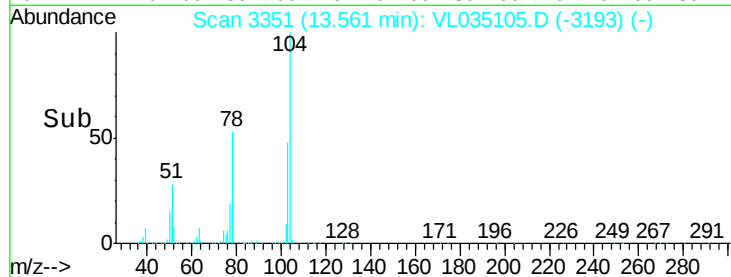
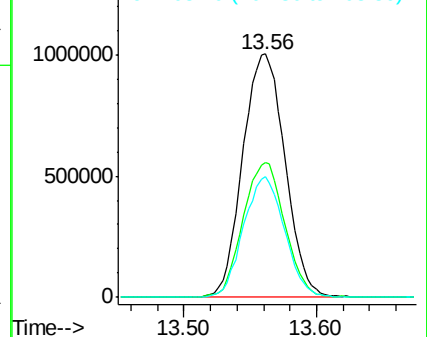
MMDadoda
6/23/2020 10:59:07 AM



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: 9.306 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.01 min

Lab File: VL035105.D

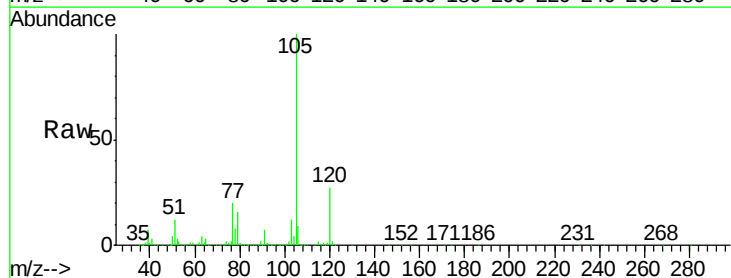
Acq: 22 Jun 2020 8:23

Tgt Ion:105 Resp: 4552599

Ion Ratio Lower Upper

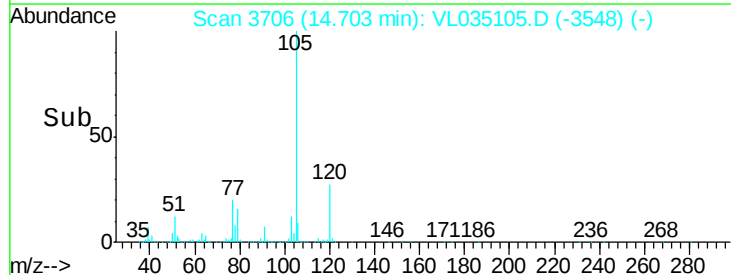
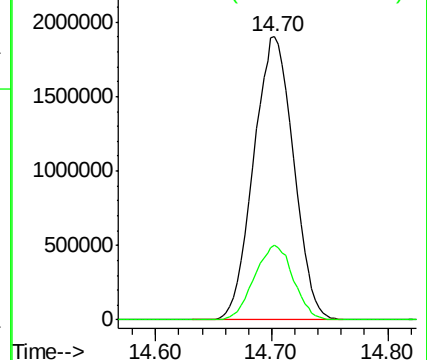
105 100

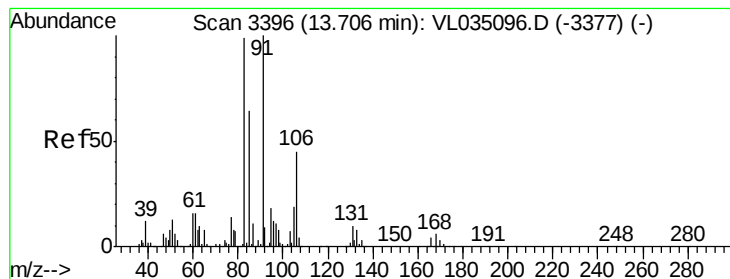
120 25.7 20.8 31.2



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: 8.125 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2157287

Ion Ratio Lower Upper

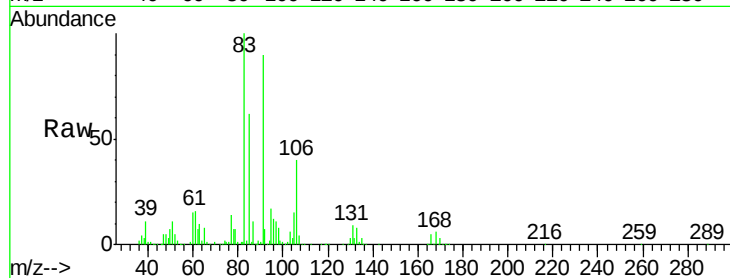
83 100

131 9.2 4.7 14.0

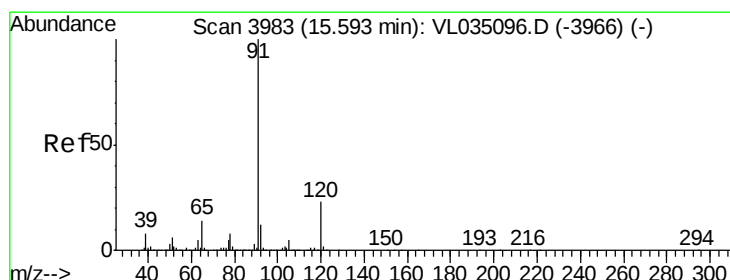
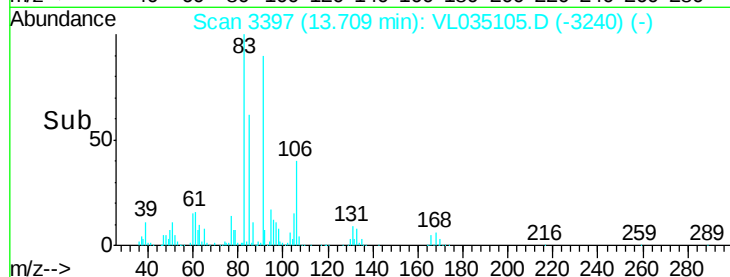
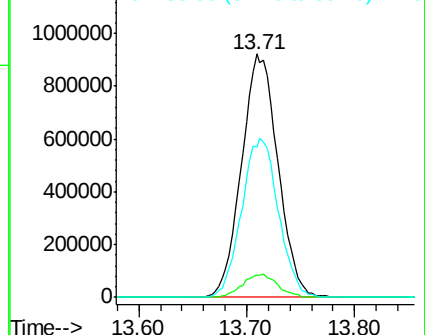
85 66.0 32.4 97.0

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:07 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.561 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.01 min

Lab File: VL035105.D

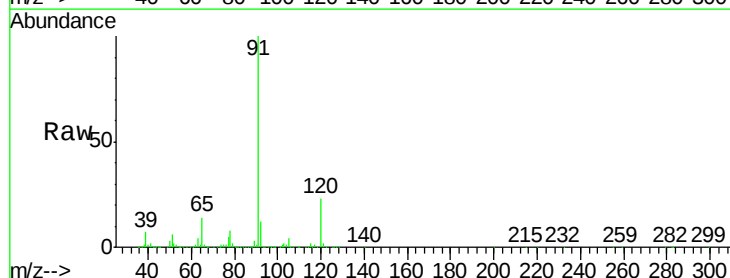
Acq: 22 Jun 2020 8:23

Tgt Ion:120 Resp: 1193624

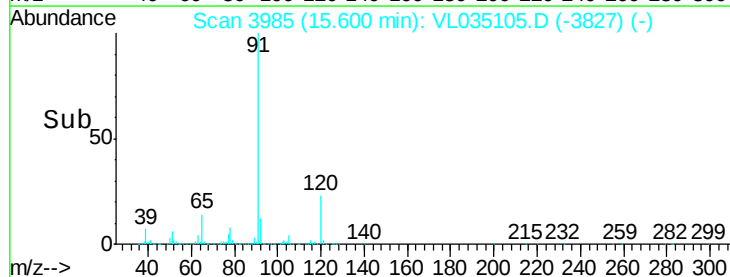
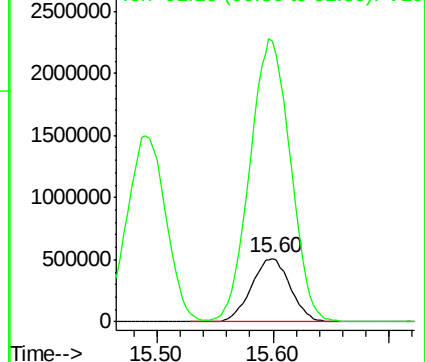
Ion Ratio Lower Upper

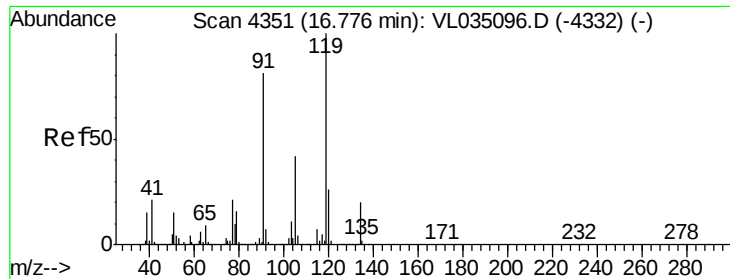
120 100

91 464.7 367.9 551.9



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.344 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 119 Resp: 3914375

Ion Ratio Lower Upper

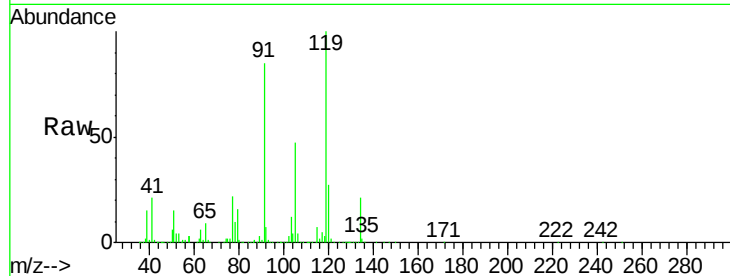
119 100

91 84.7 67.6 101.4

134 19.9 15.7 23.5

Manual Integrations
APPROVED

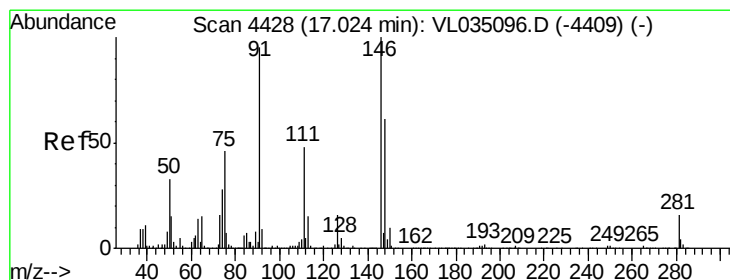
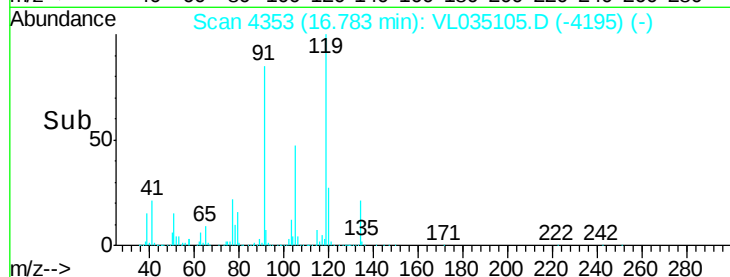
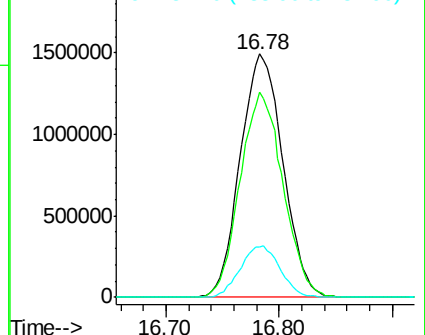
MMDadoda
6/23/2020 10:59:07 AM



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: 11.537 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

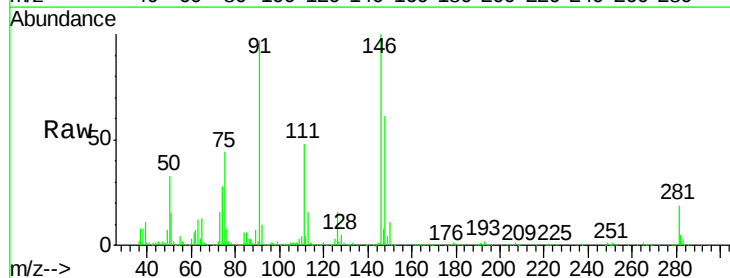
Tgt Ion: 91 Resp: 1492881

Ion Ratio Lower Upper

91 100

126 16.9 13.5 20.3

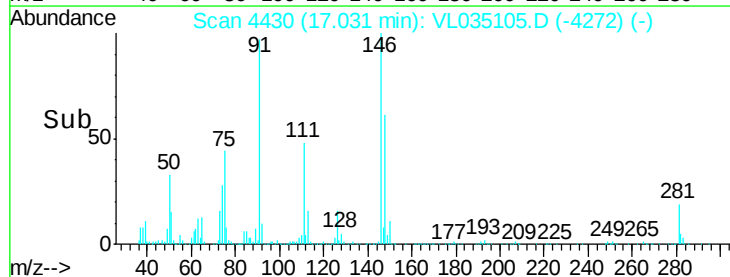
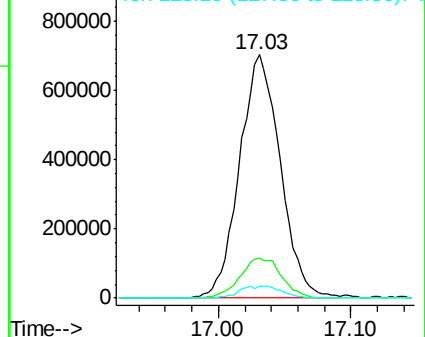
128 5.2 4.3 6.5

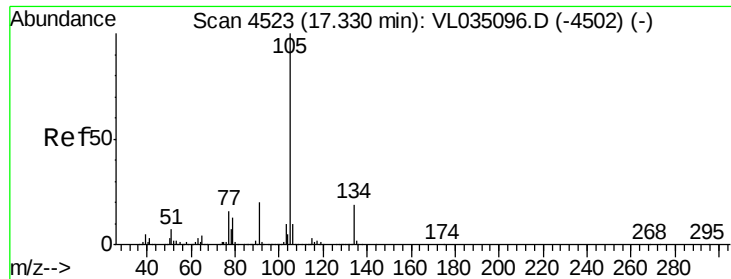


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.159 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5499048

Ion Ratio Lower Upper

105 100

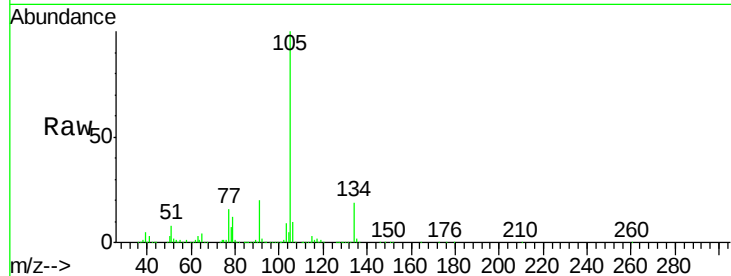
134 18.5 14.7 22.1

Manual Integrations

APPROVED

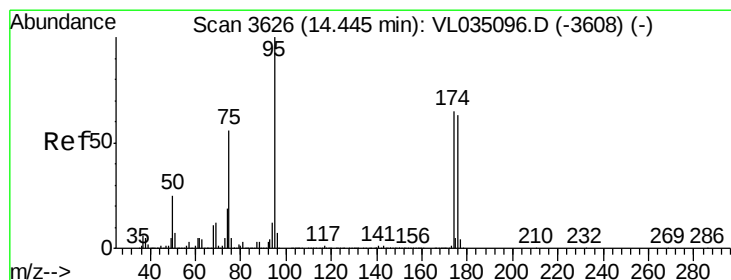
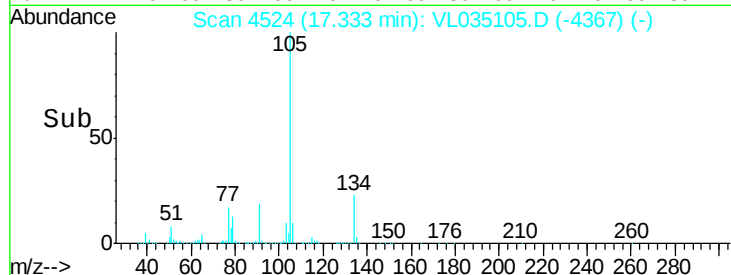
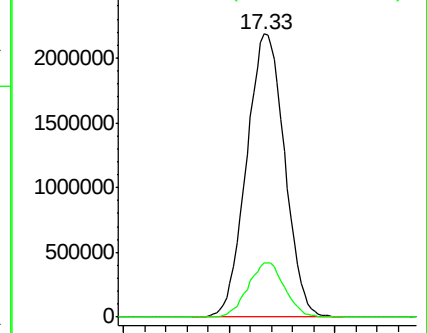
MMDadoda

6/23/2020 10:59:07 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.536 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

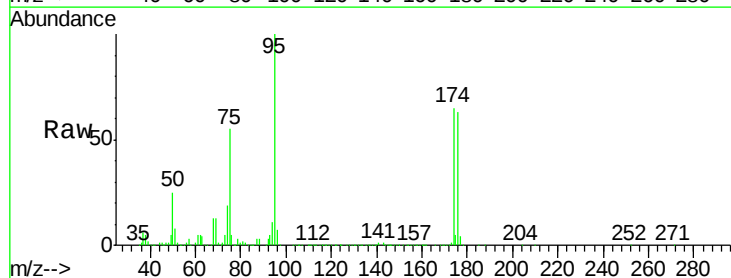
Tgt Ion: 95 Resp: 2619665

Ion Ratio Lower Upper

95 100

174 65.8 52.2 78.2

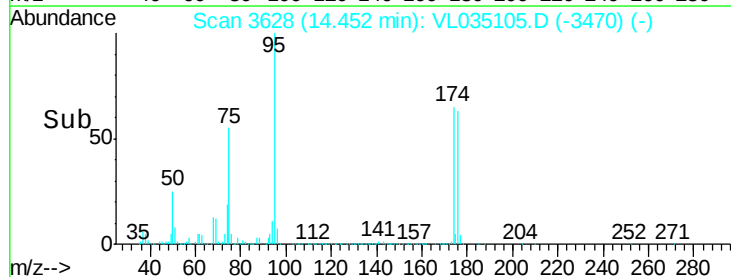
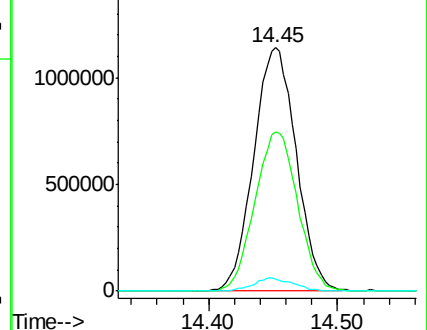
175 4.9 4.0 6.0

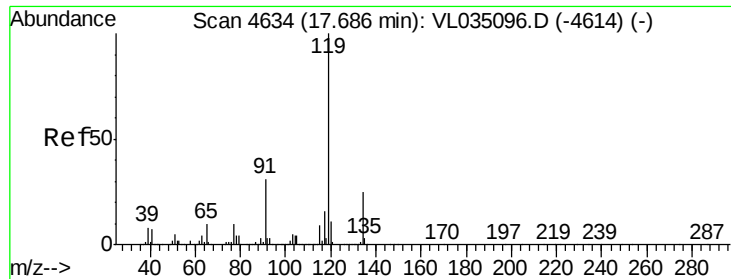


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





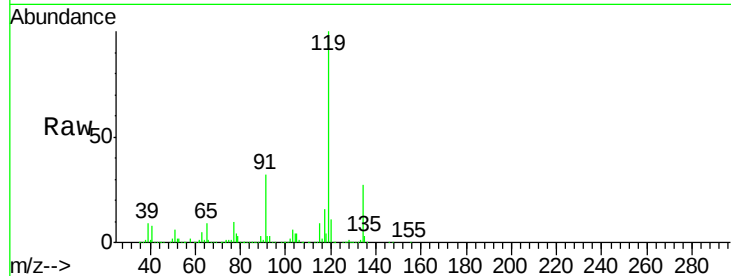
#69
p-Isopropyltoluene
Concen: 9.439 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

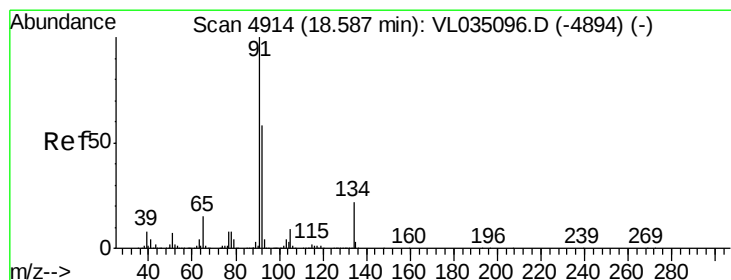
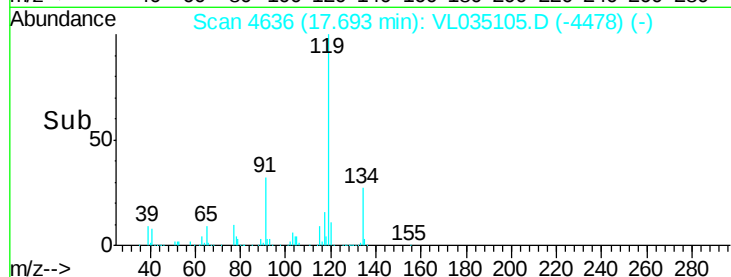
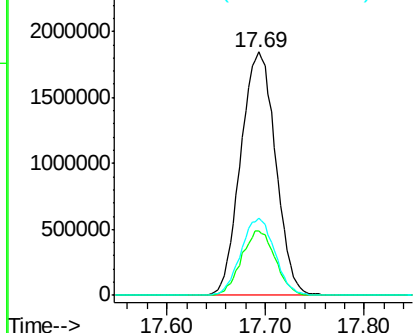
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	30.8	24.5	36.7

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:07 AM

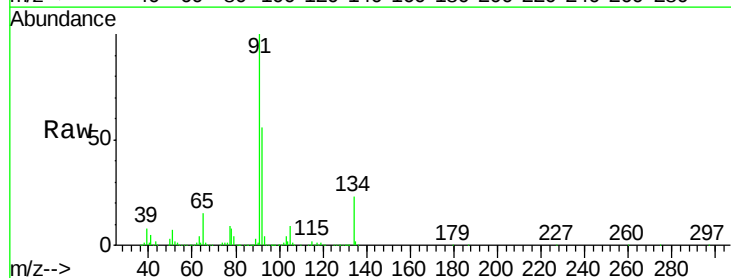


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

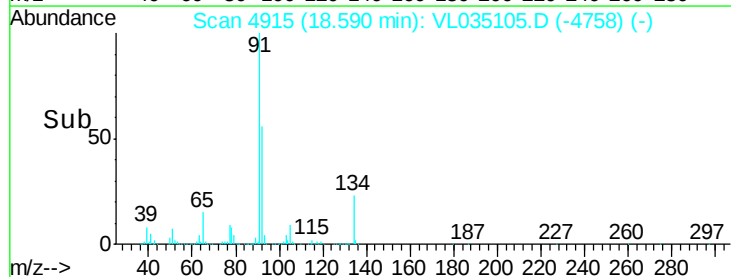
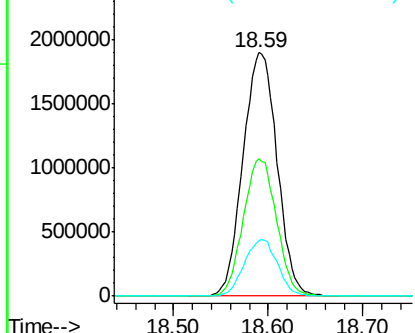


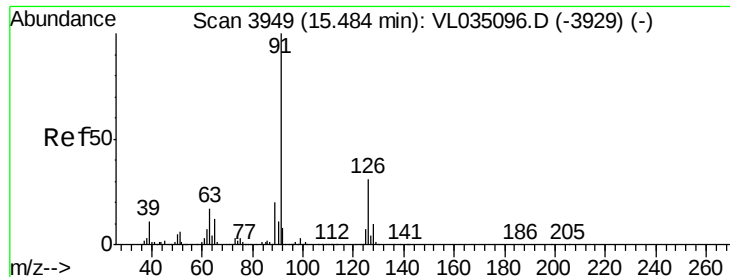
#70
n-Butylbenzene
Concen: 9.203 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.4	66.6
134	22.6	18.0	27.0



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





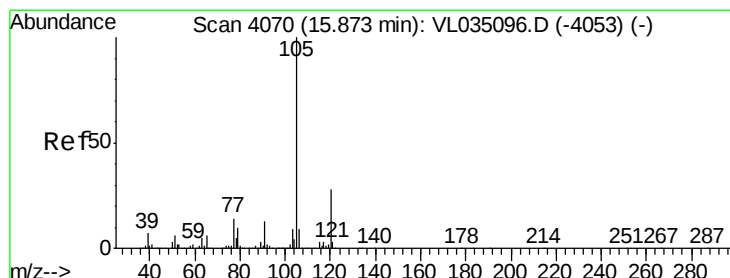
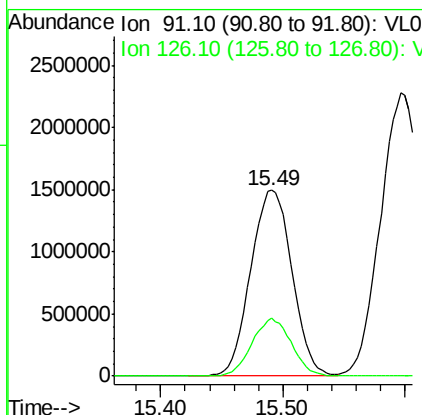
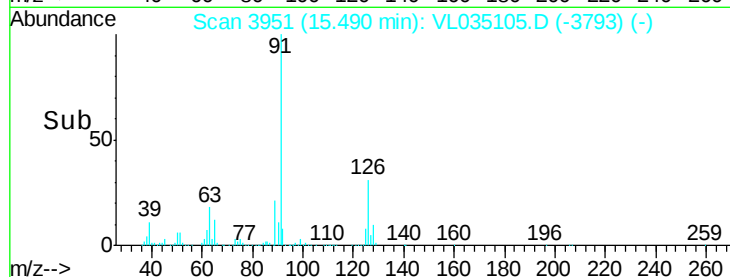
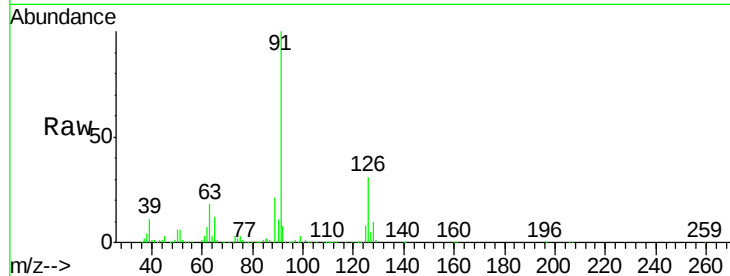
#71
2-Chlorotoluene
Concen: 9.500 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3513114
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.0

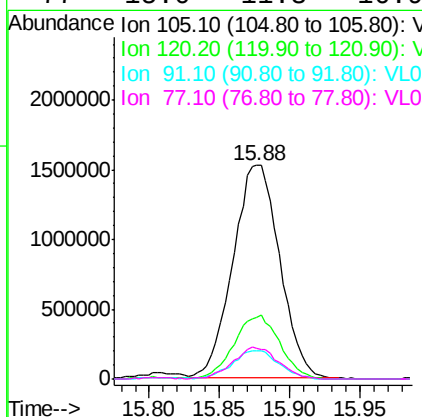
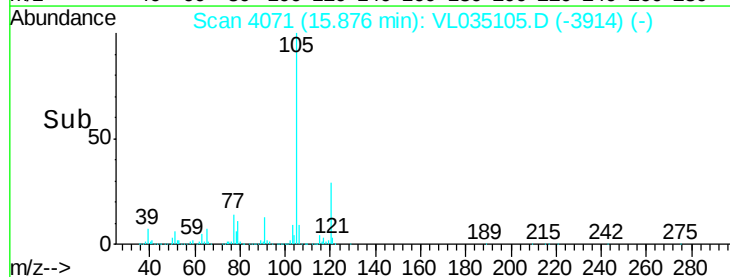
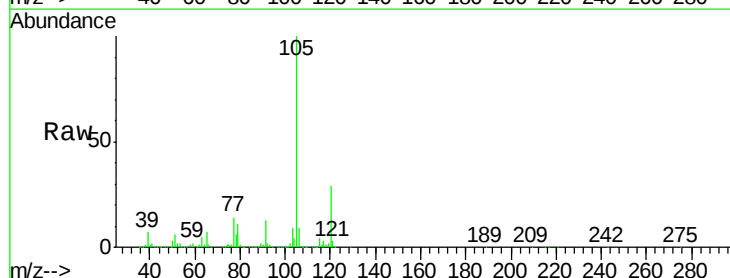
Manual Integrations
APPROVED

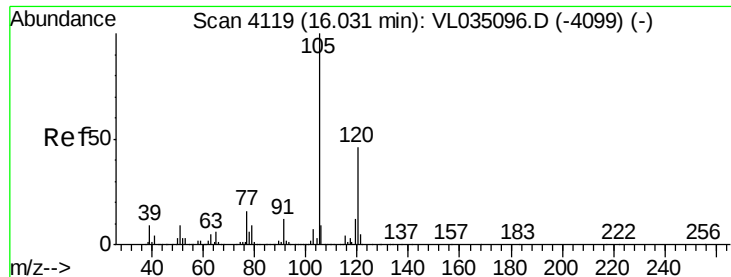
MMDadoda
6/23/2020 10:59:07 AM



#72
4-Ethyltoluene
Concen: 9.729 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion: 105 Resp: 3548297
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.0
91 13.1 10.6 16.0
77 15.0 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.704 ppbv m

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3345595

Ion Ratio Lower Upper

105 100

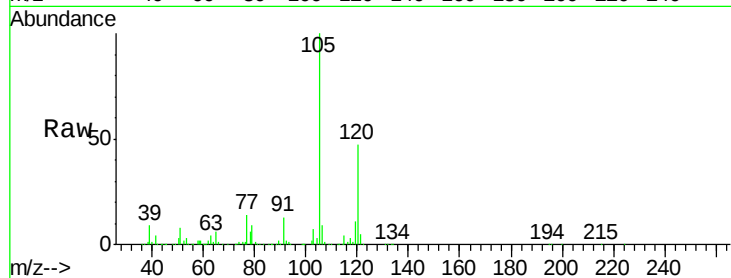
120 47.0 37.0 55.6

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:07 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

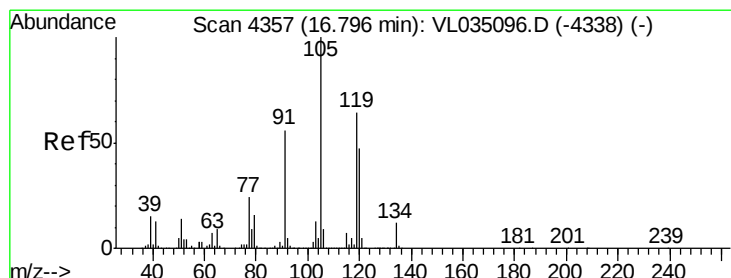
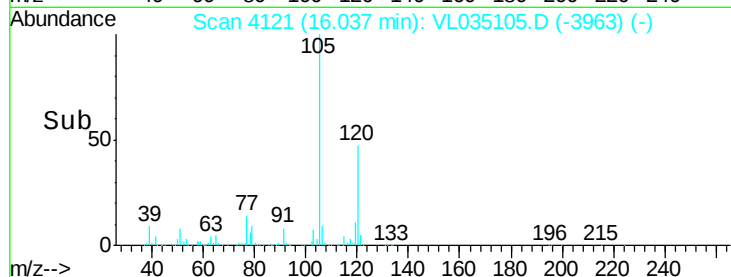
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 8.946 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035105.D

Acq: 22 Jun 2020 8:23

Tgt Ion:105 Resp: 3442190

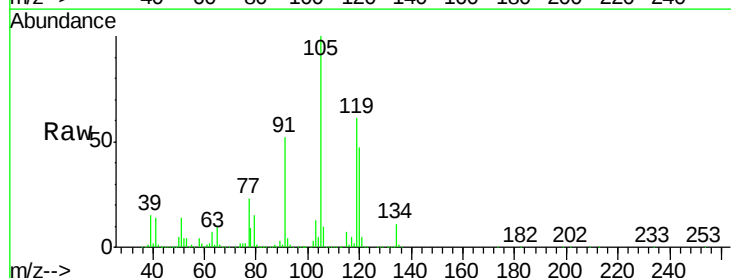
Ion Ratio Lower Upper

105 100

120 46.4 37.9 56.9

91 52.1 46.0 69.0

77 23.0 19.4 29.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

2000000

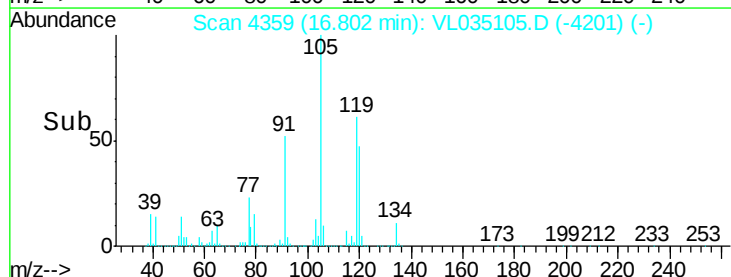
1500000

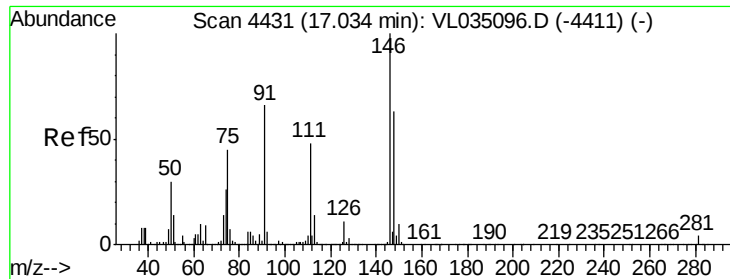
1000000

500000

0

Time--> 16.70 16.80 16.90





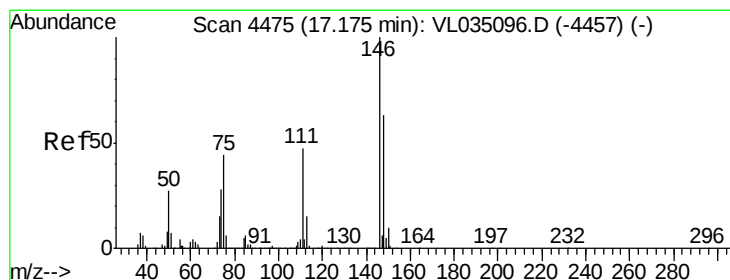
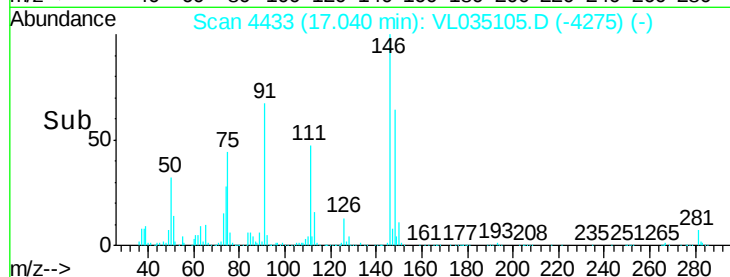
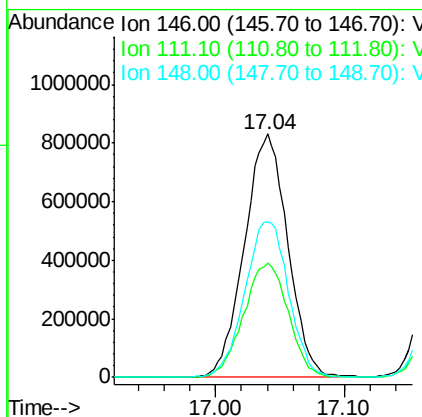
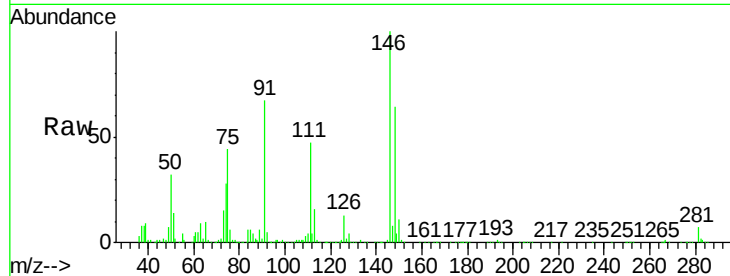
#75
 1,3-Dichlorobenzene
 Concen: 8.463 ppbv
 RT: 17.04 min Scan# 4431
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.1	72.4
148	65.1	32.3	96.8

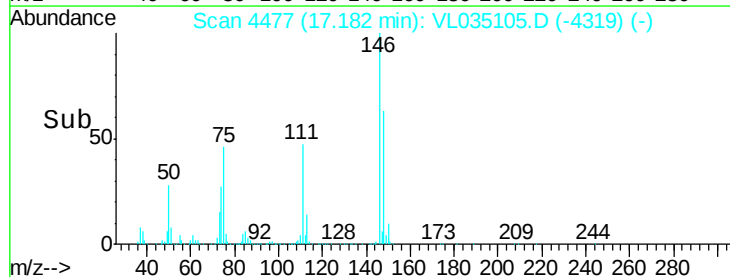
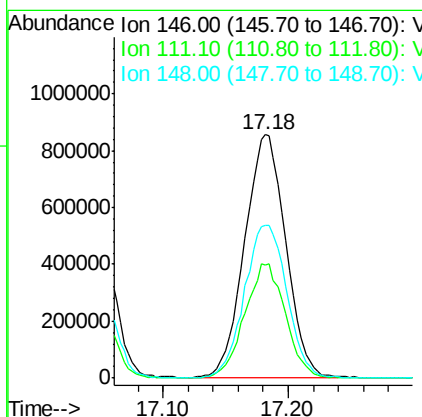
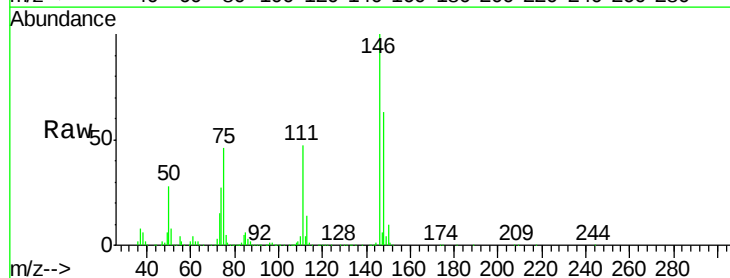
Manual Integrations
 APPROVED

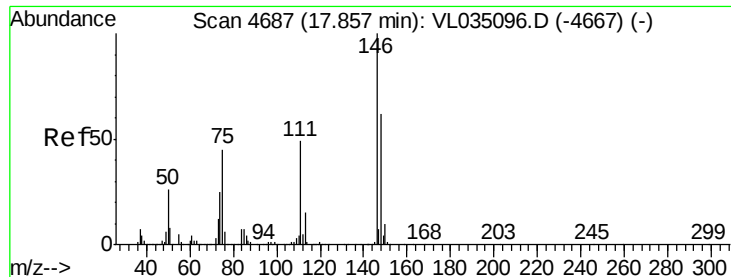
MMDadoda
 6/23/2020 10:59:07 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.866 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	65.5	32.0	96.2





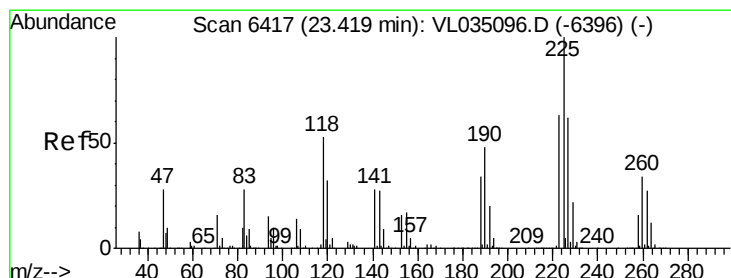
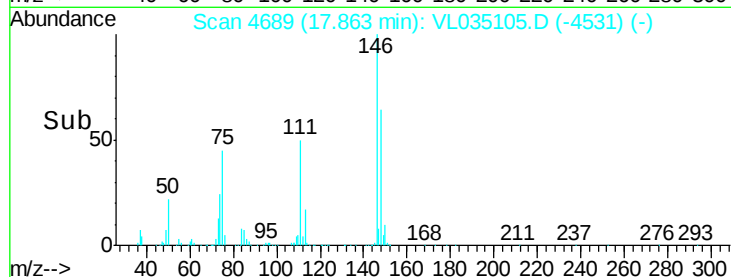
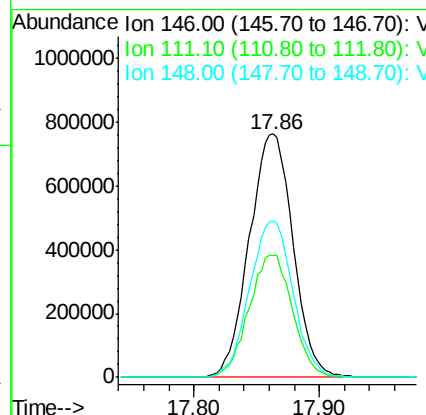
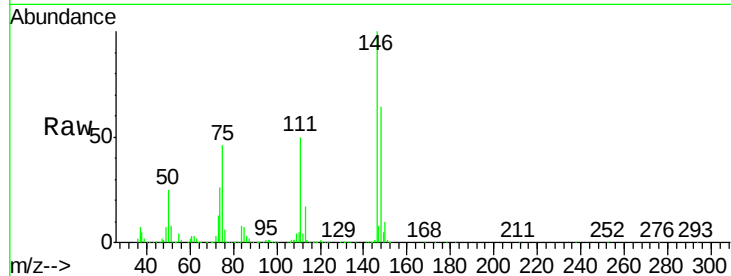
#77
 1,2-Dichlorobenzene
 Concen: 8.782 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.01 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1845134
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.0 75.0
 148 64.2 32.3 96.8

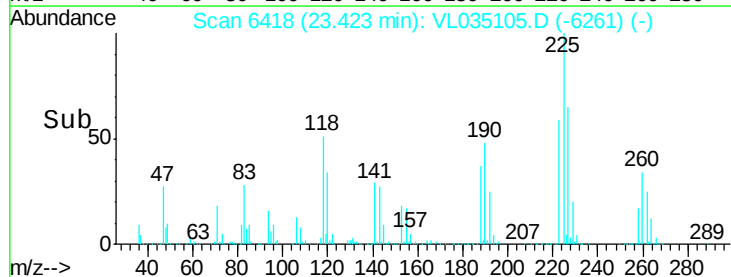
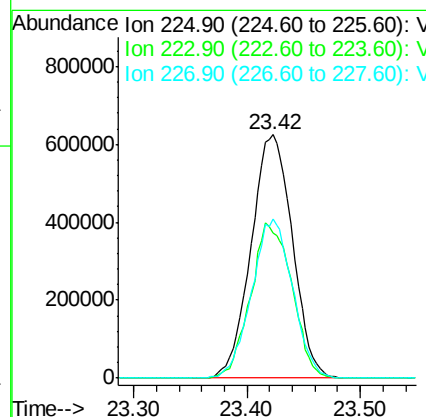
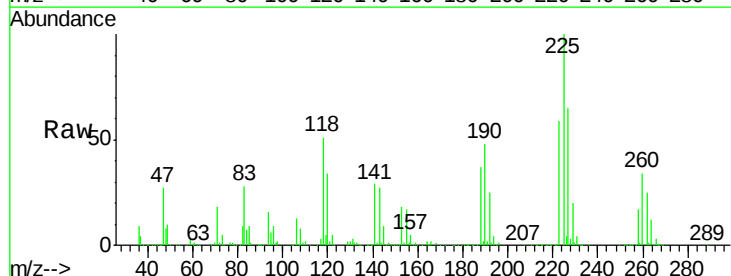
Manual Integrations
 APPROVED

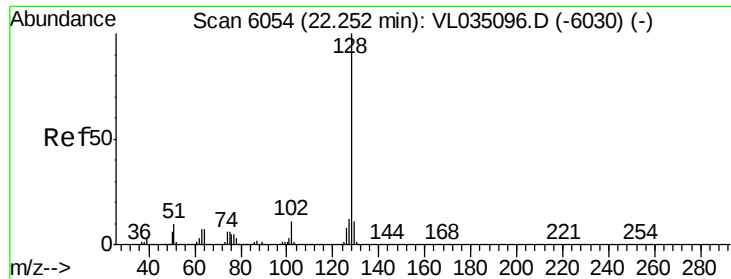
MMDadoda
 6/23/2020 10:59:07 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.379 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Tgt Ion:225 Resp: 1582485
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.4 77.0
 227 64.6 51.8 77.8





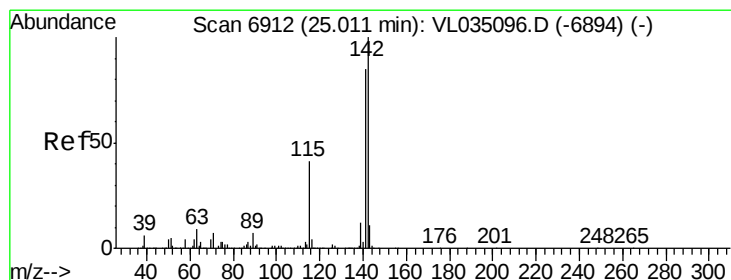
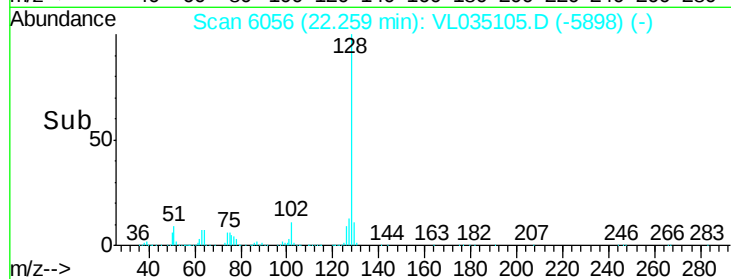
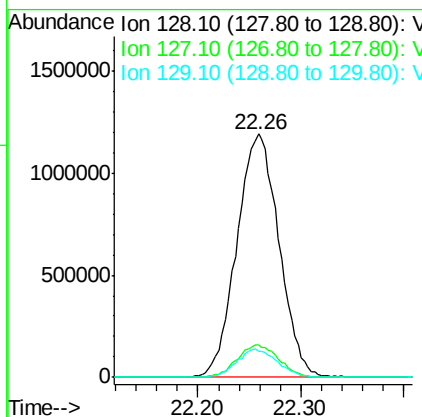
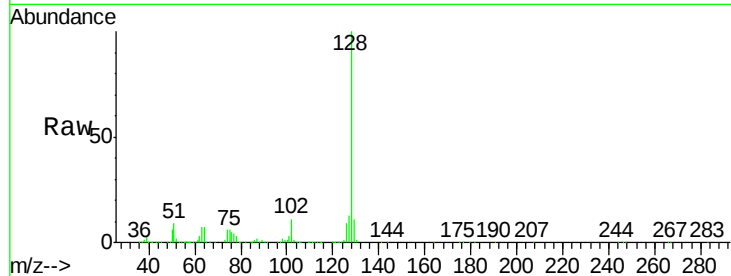
#79
Naphthalene
Concen: 9.974 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. 0.01 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.9	9.0	13.4

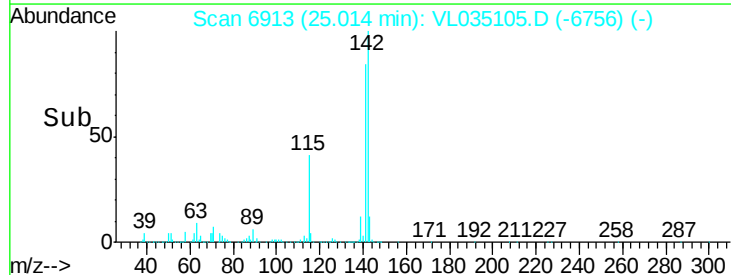
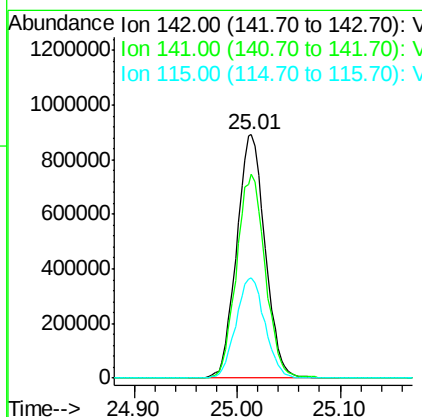
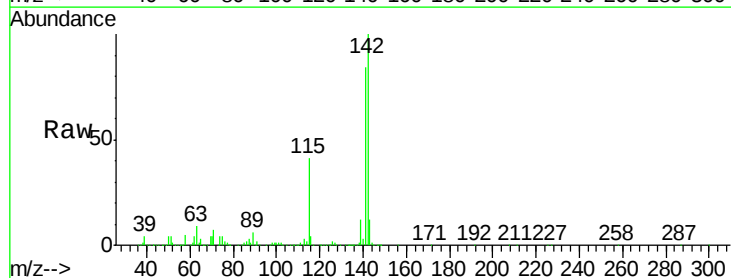
Manual Integrations
APPROVED

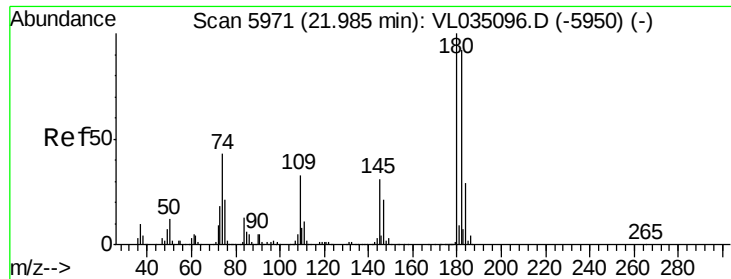
MMDadoda
6/23/2020 10:59:07 AM



#80
Naphthalene, 2-methyl-
Concen: 13.285 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035105.D
Acq: 22 Jun 2020 8:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.5	101.3
115	42.1	33.8	50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.329 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035105.D
 Acq: 22 Jun 2020 8:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.9	116.9
184	31.4	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:07 AM

