

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035711.D
 Acq On : 23 Sep 2020 7:49
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:26 PM

Quant Time: Sep 23 08:20:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1256106	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4857231	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4886569m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3668254	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1953756	9.479	ppbv	99
3) Chlorodifluoromethane	2.98	51	1298928	9.612	ppbv	99
4) Chloromethane	3.14	50	702835	9.682	ppbv	98
5) Vinyl Chloride	3.25	62	841938	9.805	ppbv	100
6) Bromomethane	3.47	94	696469	9.595	ppbv	99
7) Chloroethane	3.56	64	315462	10.017	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2313806	9.256	ppbv	98
9) Propene	3.01	41	511241	10.420	ppbv	99
10) Heptane	8.14	43	1436937	10.505	ppbv	99
11) Trichlorofluoromethane	3.95	101	2680321	9.114	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2012254	9.179	ppbv	99
13) Ethanol	3.61	45	105403	8.711	ppbv	97
14) Bromoethene	3.74	108	933247	10.107	ppbv	100
15) Acetone	3.85	43	1113602	8.239	ppbv	98
16) 1,3-Butadiene	3.32	39	520635	10.529	ppbv	99
17) tert-Butyl alcohol	4.30	59	1621635	11.015	ppbv	99
18) 1,1-Dichloroethene	4.29	96	959117	9.993	ppbv	97
19) Isopropyl Alcohol	3.98	45	771492	10.493	ppbv	# 96
20) Methylene Chloride	4.35	84	799710	8.055	ppbv	98
21) Allyl Chloride	4.41	41	697611	10.648	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	995689	9.819	ppbv	97
23) Vinyl Acetate	5.08	43	1832215	11.068	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1768051	9.805	ppbv	99
25) Ethyl Acetate	5.69	43	2376554	9.772	ppbv	100
26) Hexane	5.70	57	1327827	9.963	ppbv	99
27) Carbon Disulfide	4.55	76	2133628	10.741	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2389559	11.311	ppbv	100
29) Chloroform	5.76	83	2615033	9.662	ppbv	99
30) Cyclohexane	7.14	84	1454533	11.062	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1431381	11.126	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2540956	10.650	ppbv	100
34) 2-Butanone	5.25	43	1635534	10.180	ppbv	98
35) Carbon Tetrachloride	7.03	117	2585749	10.210	ppbv	99
36) Benzene	6.91	78	3322910	10.499	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1618918	9.814	ppbv	100
38) Trichloroethene	7.85	130	1636593	10.366	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1152706	10.048	ppbv	98
40) 1,4-Dioxane	7.84	88	551104	10.505	ppbv	98
41) Tetrahydrofuran	6.06	42	934827	11.550	ppbv	99
42) Bromodichloromethane	7.81	83	2744304	10.328	ppbv	99
43) Methyl Methacrylate	8.03	69	1410757	11.208	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035711.D
 Acq On : 23 Sep 2020 7:49
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL092320

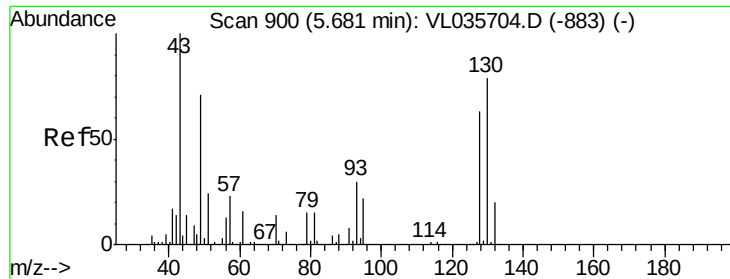
Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:26 PM

Quant Time: Sep 23 08:20:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4458516	9.817	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1577825	12.415	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1886940	12.045	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1596640	9.717	ppbv	99
48) Dibromochloromethane	10.33	129	2673121	10.689	ppbv	100
49) Bromoform	13.07	173	2347587	11.063	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2397575	10.217	ppbv	99
51) 2-Hexanone	10.15	43	2020078	10.685	ppbv #	99
52) Tetrachloroethene	11.25	164	1536358	10.094	ppbv	98
53) Toluene	9.82	91	4121516	11.043	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2506101	10.186	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	2043031	9.971	ppbv	96
57) Chlorobenzene	12.17	112	3418929	9.263	ppbv	98
58) Ethyl Benzene	12.73	91	5309498	10.826	ppbv	100
59) m/p-Xylene	13.02	91	8689173m	20.287	ppbv	
60) o-Xylene	13.72	91	4391564	10.136	ppbv	99
61) Styrene	13.55	104	3486186	11.637	ppbv	99
62) Isopropylbenzene	14.70	105	6606381	9.830	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3196503	8.997	ppbv	100
64) n-propylbenzene	15.59	120	2031767	10.330	ppbv	99
65) tert-Butylbenzene	16.78	119	6043441	9.891	ppbv	99
66) Benzyl Chloride	17.02	91	2175244	11.750	ppbv	99
67) sec-Butylbenzene	17.33	105	8036952	9.525	ppbv	100
69) p-Isopropyltoluene	17.68	119	6772129	9.865	ppbv	99
70) n-Butylbenzene	18.58	91	6697357	9.474	ppbv	100
71) 2-Chlorotoluene	15.48	91	5056637	10.315	ppbv	100
72) 4-Ethyltoluene	15.87	105	5362347	10.448	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4975713	10.259	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5154420	9.427	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	3424544	9.174	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	3412250	9.563	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3326219	9.434	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1789228	9.198	ppbv	99
79) Naphthalene	22.24	128	5032085	9.649	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1379455	11.214	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2612349	9.666	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 49 Resp: 1256106

Ion Ratio Lower Upper

49 100

128 85.6 43.1 129.4

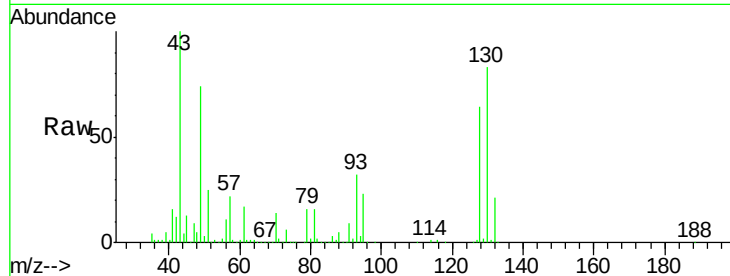
130 108.8 54.9 164.7

Manual Integrations

APPROVED

MMDadoda

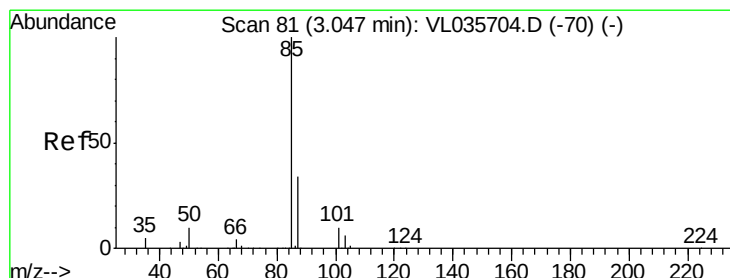
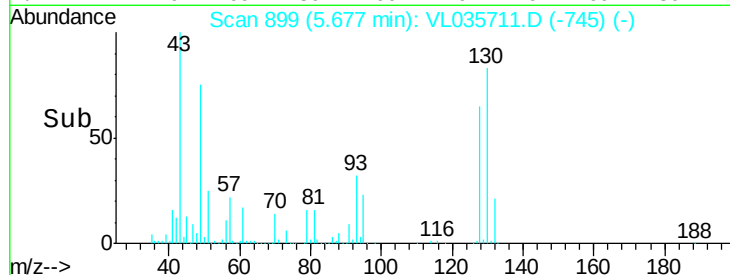
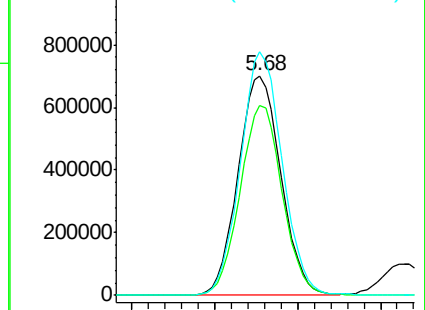
9/24/2020 1:35:26 PM



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: 9.479 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035711.D

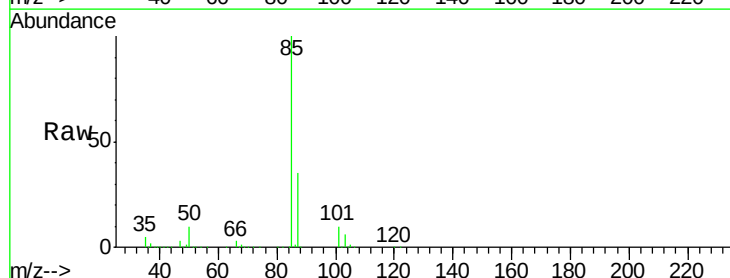
Acq: 23 Sep 2020 7:49

Tgt Ion: 85 Resp: 1953756

Ion Ratio Lower Upper

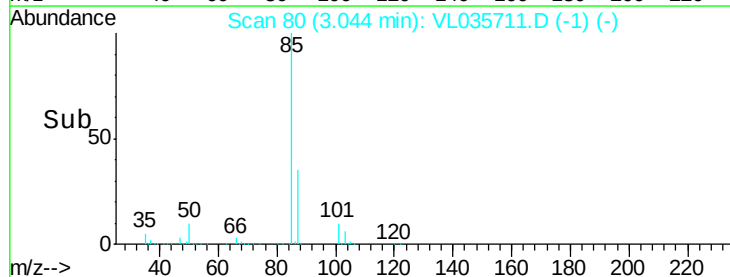
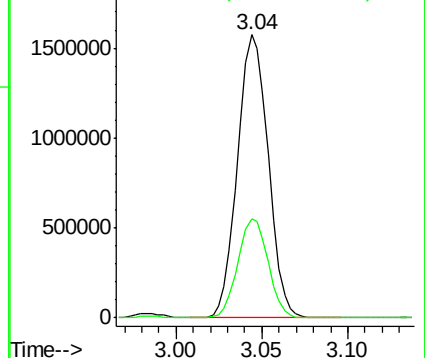
85 100

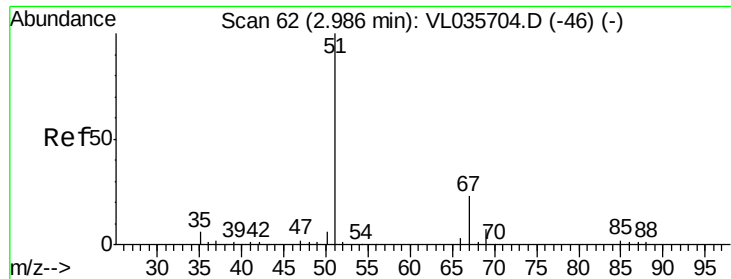
87 34.9 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.612 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tot Ion: 51 Resp: 1298928

Ion Ratio Lower Upper

51 100

67 21.9 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

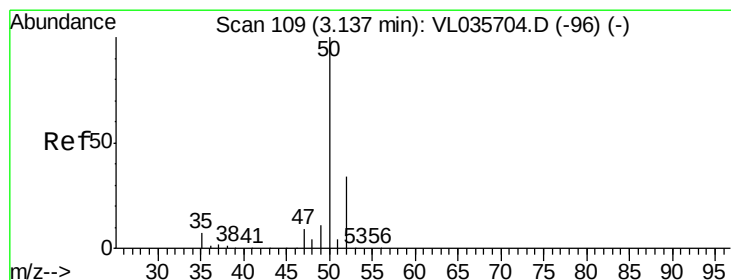
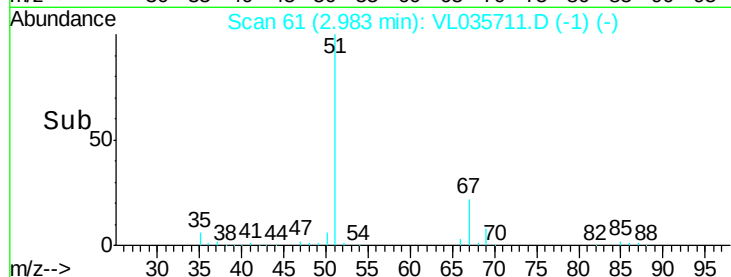
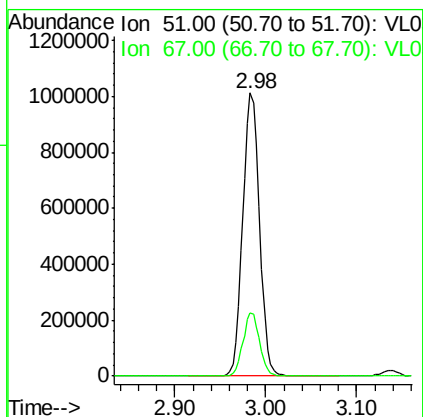
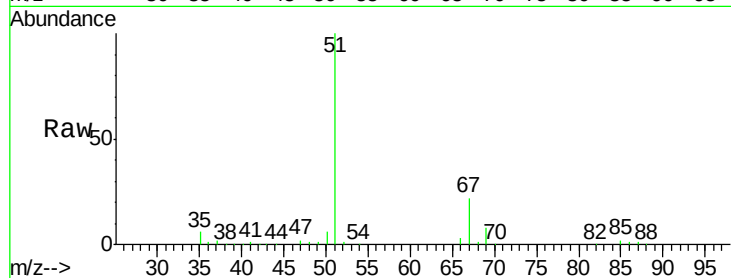
ICVVL092320

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#4

Chloromethane

Concen: 9.682 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035711.D

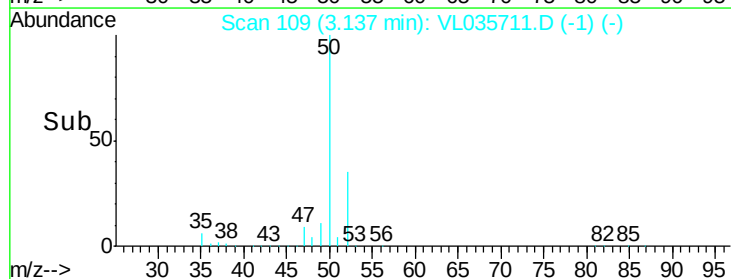
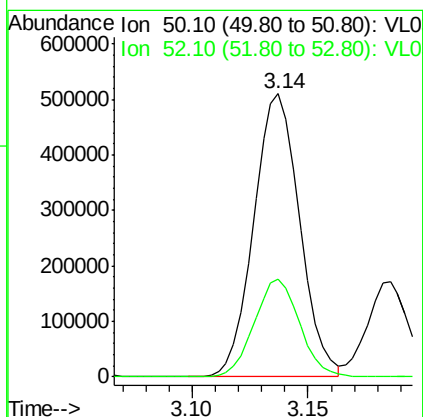
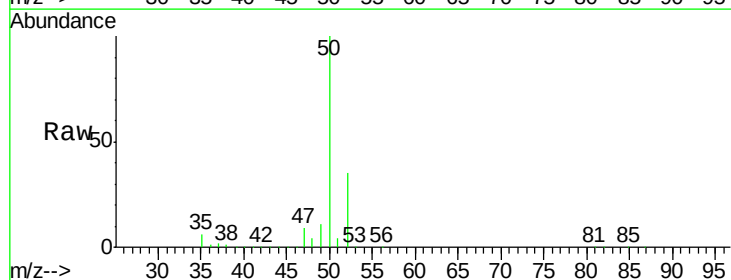
Acq: 23 Sep 2020 7:49

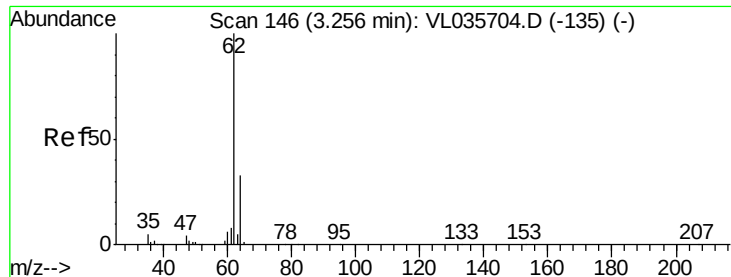
Tgt Ion: 50 Resp: 702835

Ion Ratio Lower Upper

50 100

52 34.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.805 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 62 Resp: 841938

Ion Ratio Lower Upper

62 100

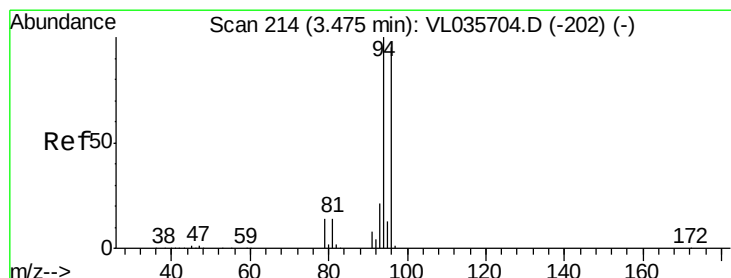
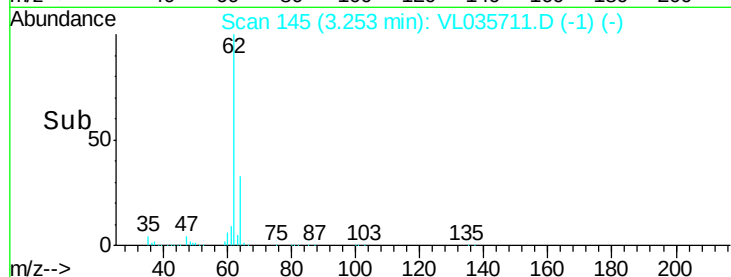
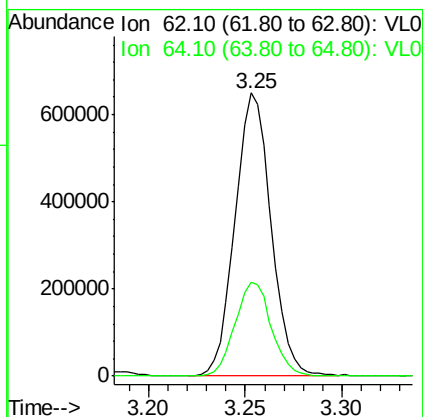
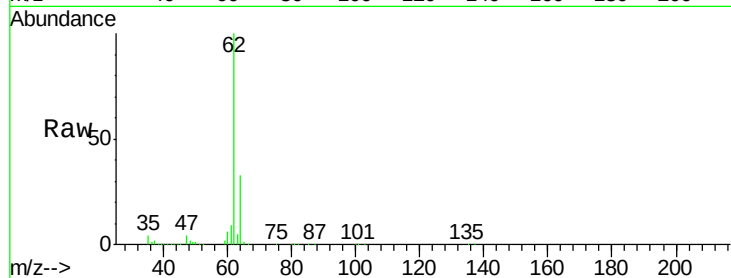
64 33.3 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#6

Bromomethane

Concen: 9.595 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035711.D

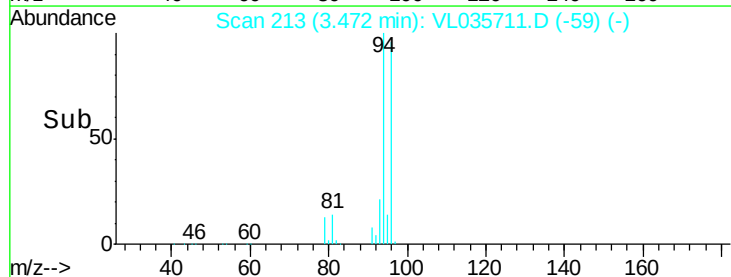
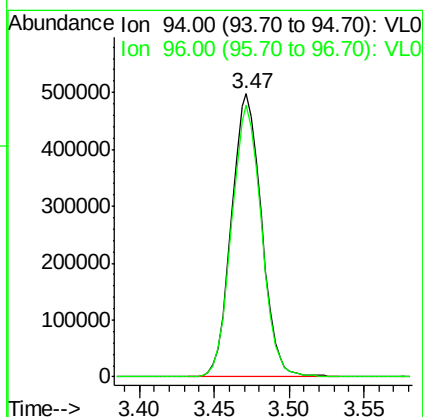
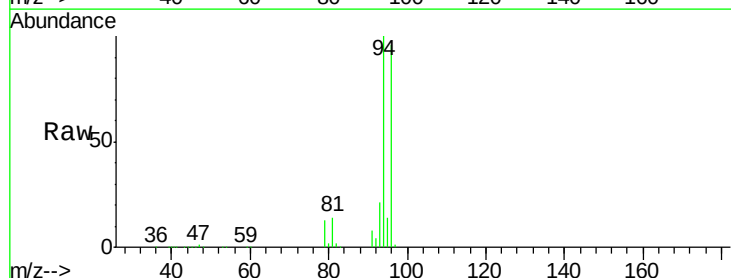
Acq: 23 Sep 2020 7:49

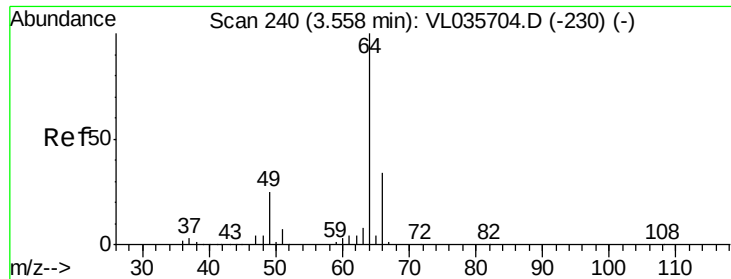
Tgt Ion: 94 Resp: 696469

Ion Ratio Lower Upper

94 100

96 96.2 76.3 114.5





#7

Chloroethane

Concen: 10.017 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 64 Resp: 315462

Ion Ratio Lower Upper

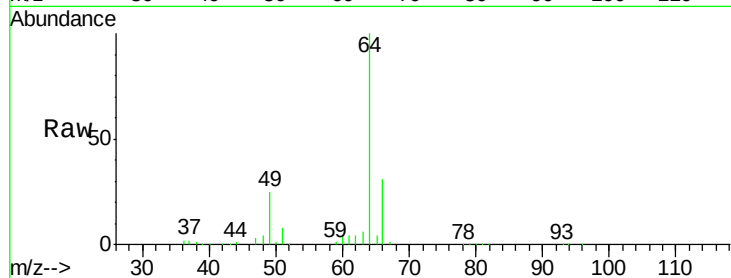
64 100

66 31.3 26.9 40.3

Manual Integrations
APPROVED

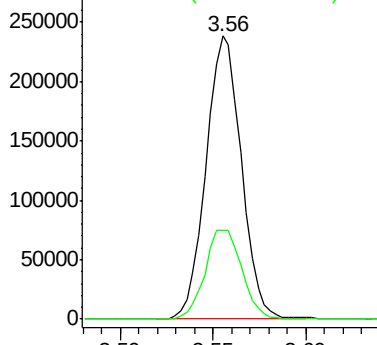
MMDadoda

9/24/2020 1:35:26 PM

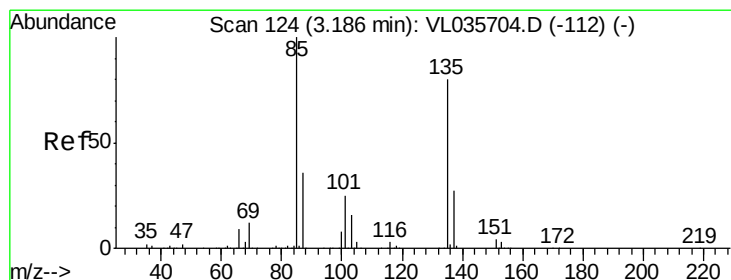
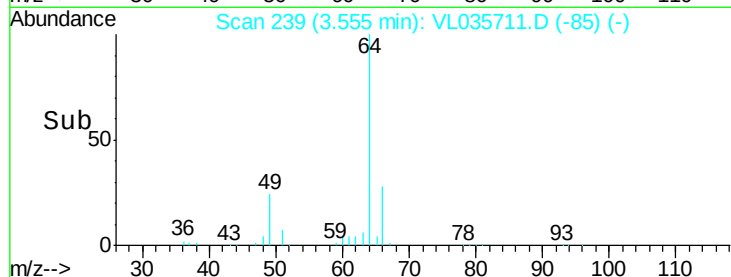


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.256 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL035711.D

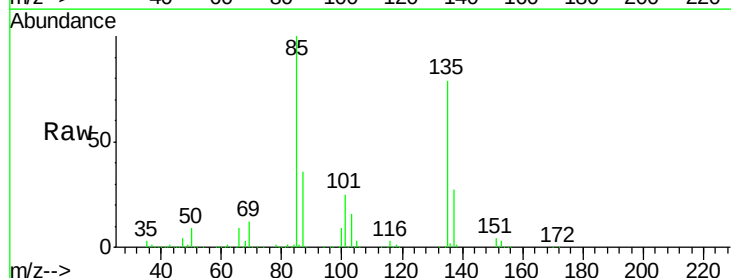
Acq: 23 Sep 2020 7:49

Tgt Ion: 85 Resp: 2313806

Ion Ratio Lower Upper

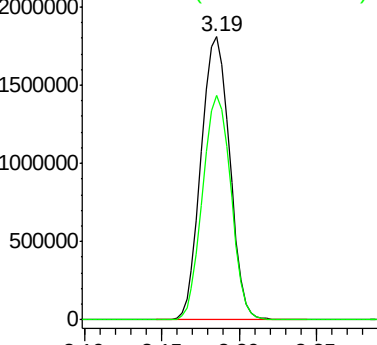
85 100

135 79.1 64.3 96.5

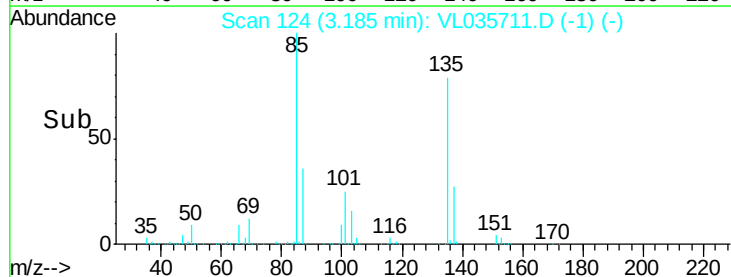


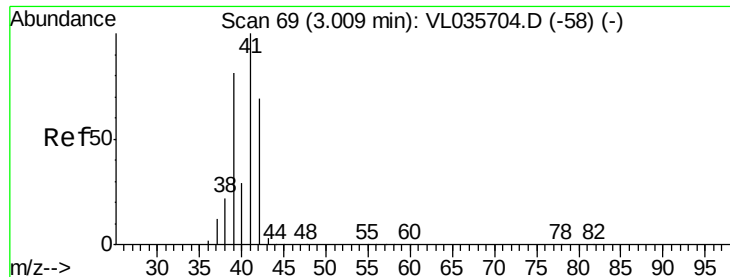
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 10.420 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 41 Resp: 511241

Ion Ratio Lower Upper

41 100

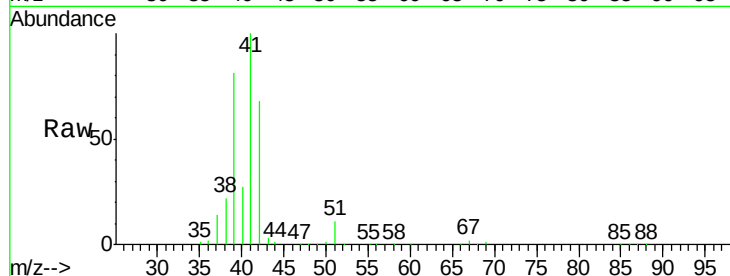
42 69.6 56.2 84.4

Manual Integrations

APPROVED

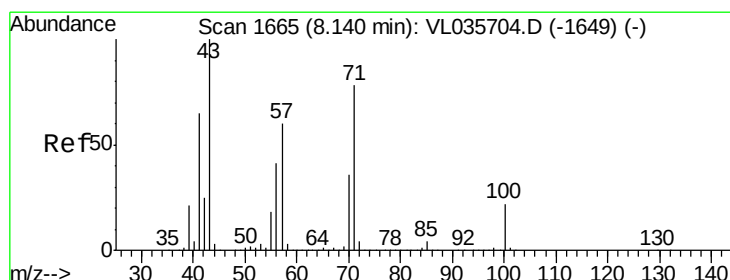
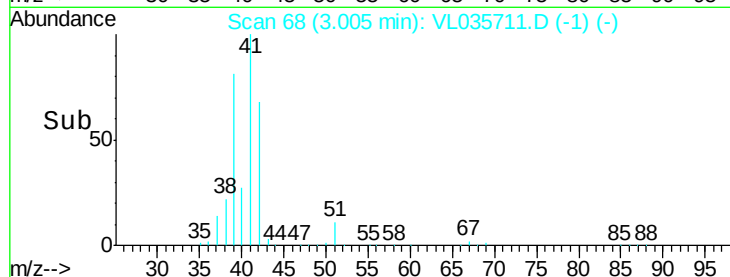
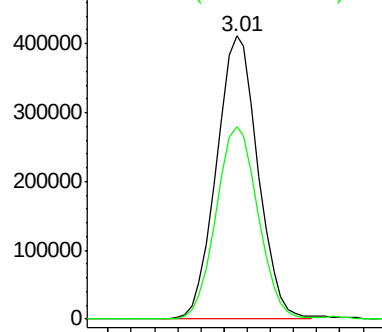
MMDadoda

9/24/2020 1:35:26 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.505 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VL035711.D

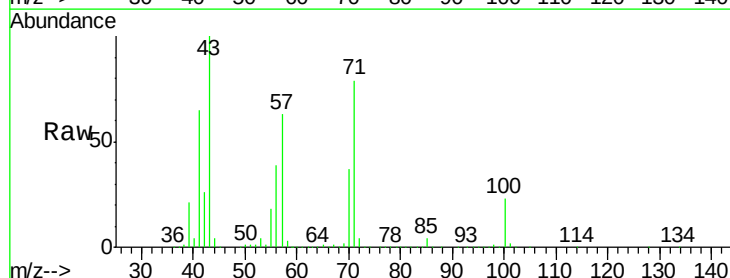
Acq: 23 Sep 2020 7:49

Tgt Ion: 43 Resp: 1436937

Ion Ratio Lower Upper

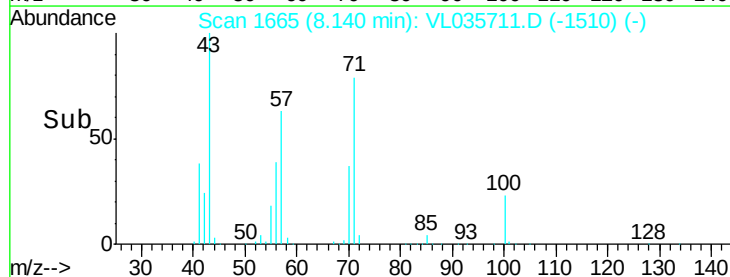
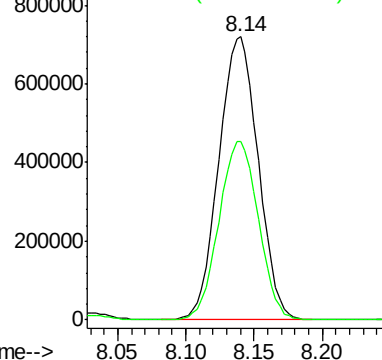
43 100

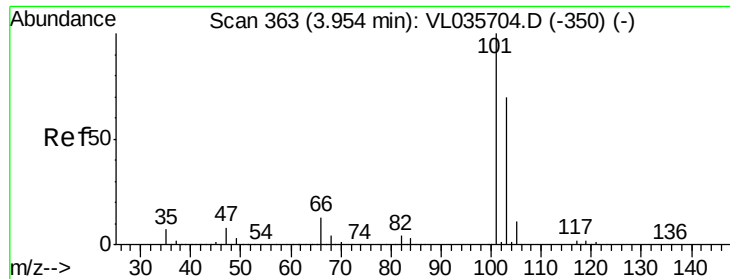
57 63.4 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





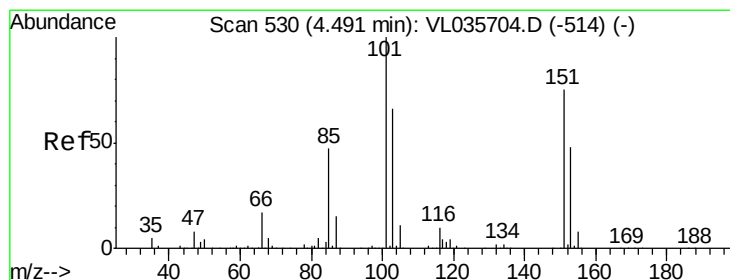
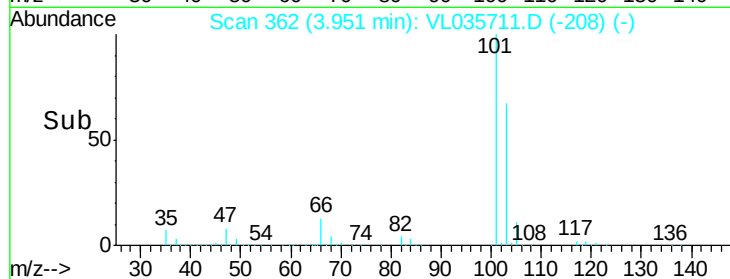
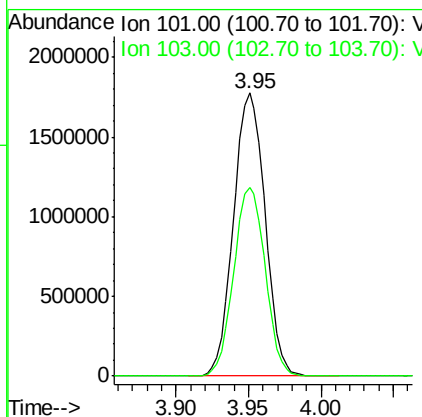
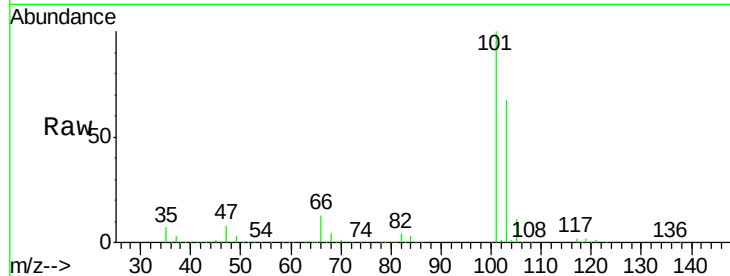
#11
 Trichlorofluoromethane
 Concen: 9.114 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion:101 Resp: 2680321
 Ion Ratio Lower Upper
 101 100
 103 66.8 55.6 83.4

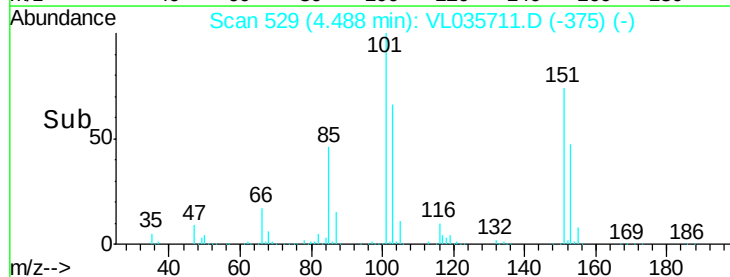
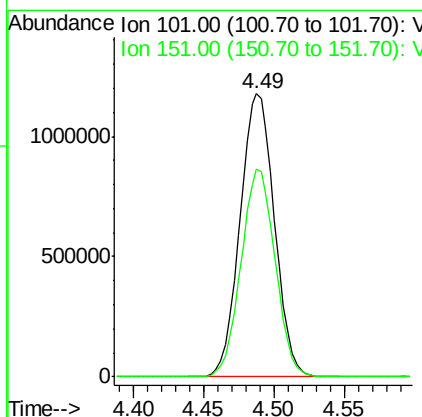
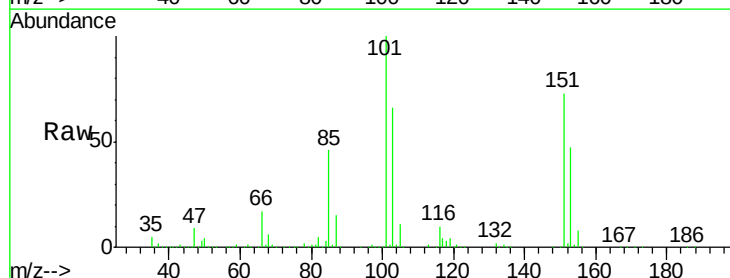
Manual Integrations
 APPROVED

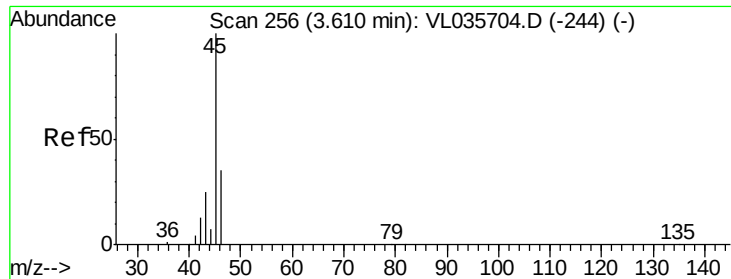
MMDadoda
 9/24/2020 1:35:26 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.179 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion:101 Resp: 2012254
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.1 88.7





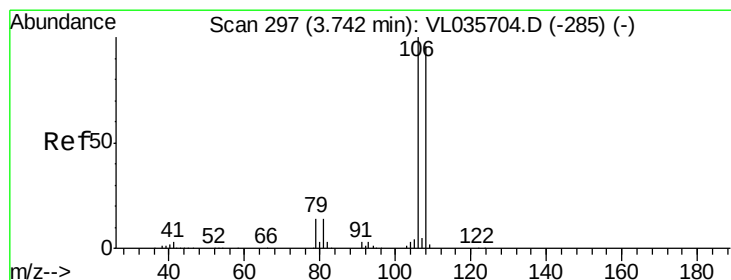
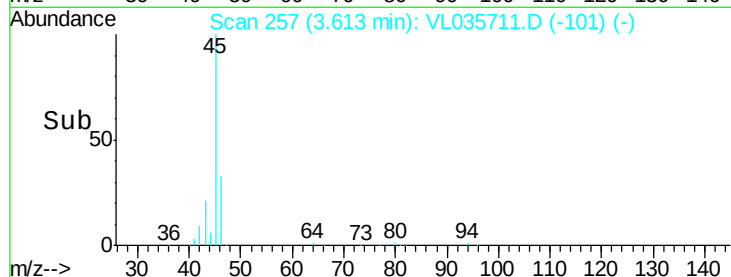
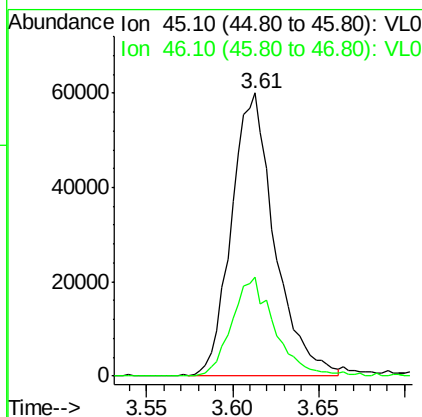
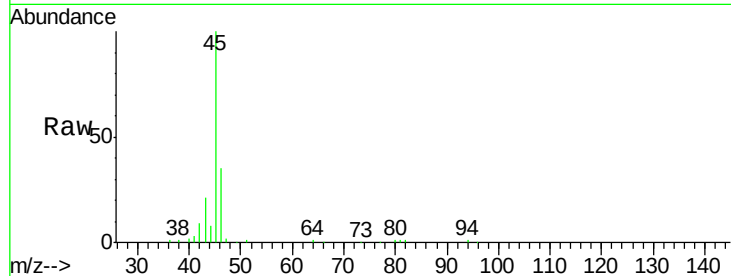
#13
Ethanol
Concen: 8.711 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion	45	46	Ratio	Lower	Upper
105403	100	34.7		14.7	58.7

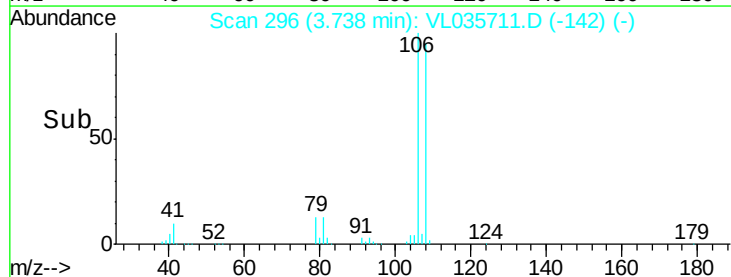
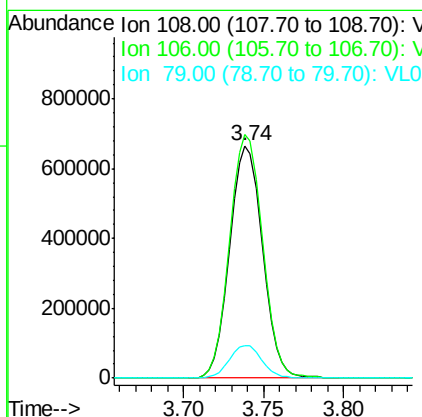
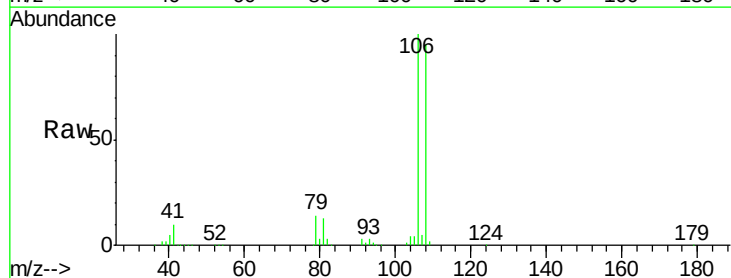
Manual Integrations
APPROVED

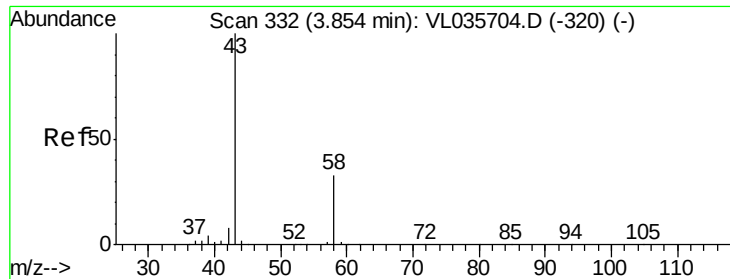
MMDadoda
9/24/2020 1:35:26 PM



#14
Bromoethene
Concen: 10.107 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion	108	106	79	Ratio	Lower	Upper
933247	100	105.3	14.4		84.6	126.8





#15

Acetone

Concen: 8.239 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tot Ion: 43 Resp: 1113602

Ion Ratio Lower Upper

43 100

58 35.0 27.3 40.9

Instrument :

MSVOA_L

ClientSampleId :

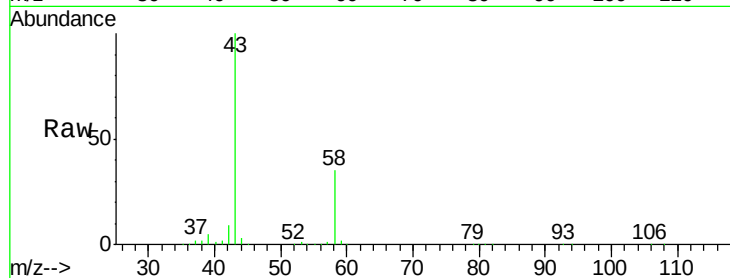
ICVVL092320

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

400000

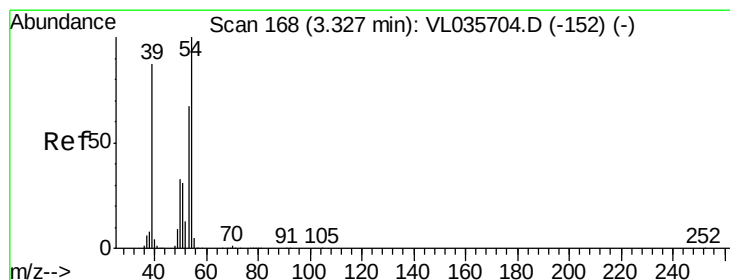
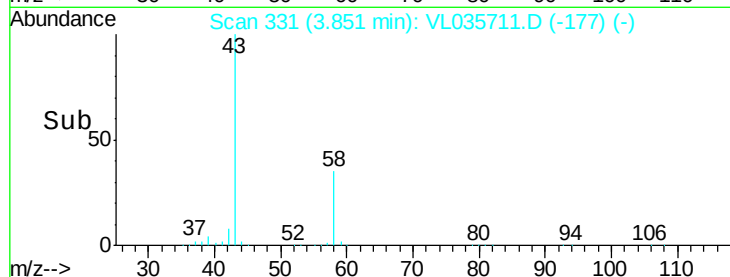
200000

0

3.85

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.529 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035711.D

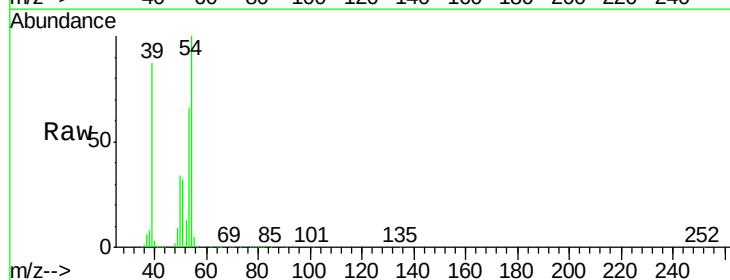
Acq: 23 Sep 2020 7:49

Tgt Ion: 39 Resp: 520635

Ion Ratio Lower Upper

39 100

54 109.9 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

200000

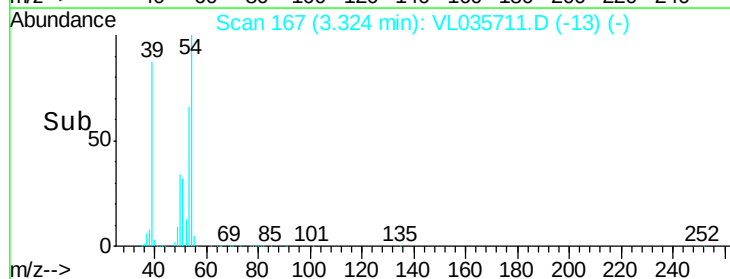
100000

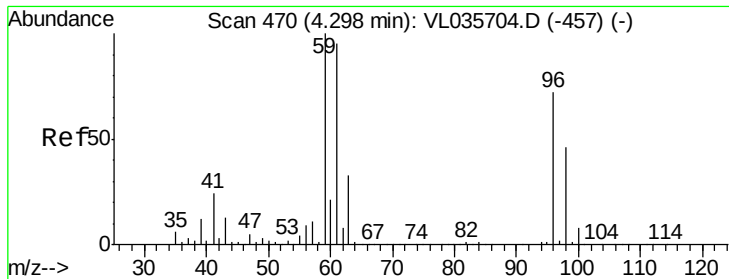
0

3.32

3.25 3.30 3.35 3.40

Time-->





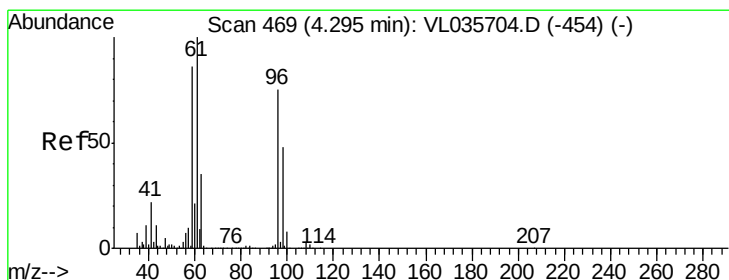
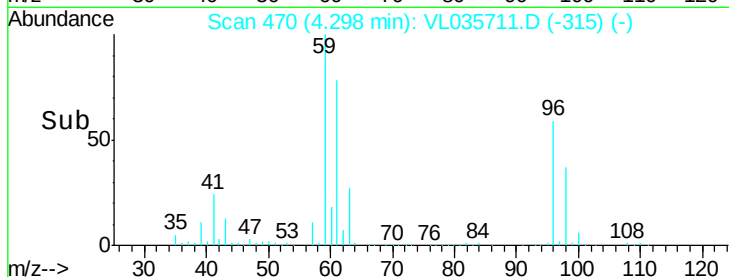
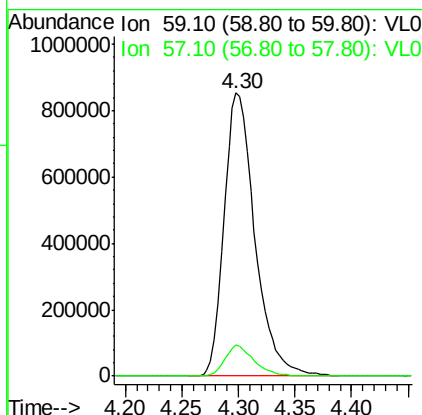
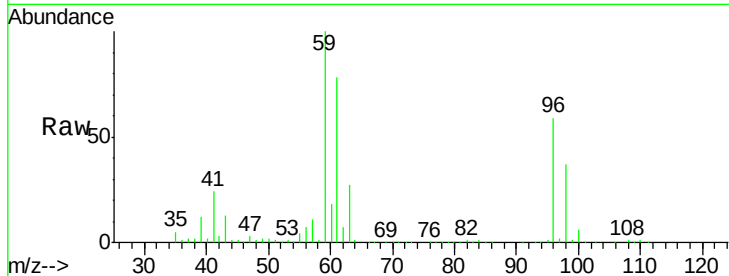
#17
 tert-Butyl alcohol
 Concen: 11.015 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion: 59 Resp: 1621635
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

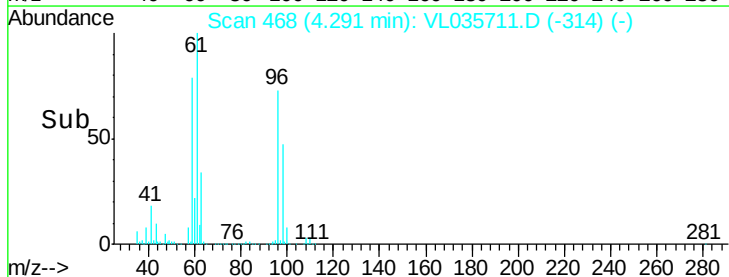
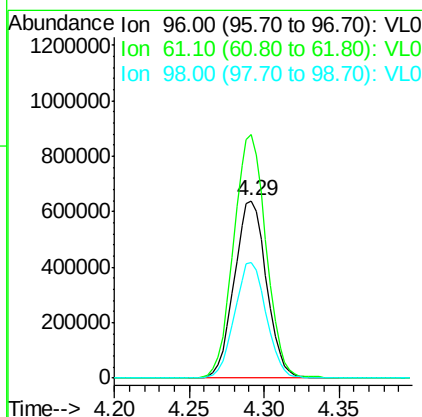
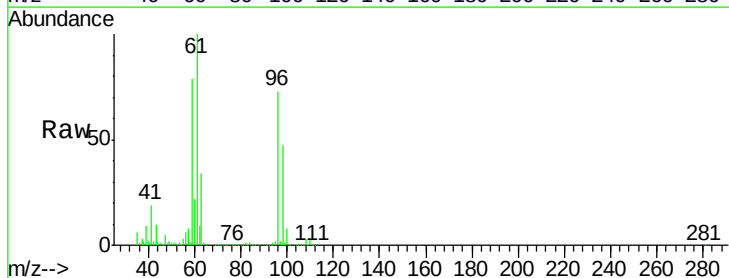
Manual Integrations
 APPROVED

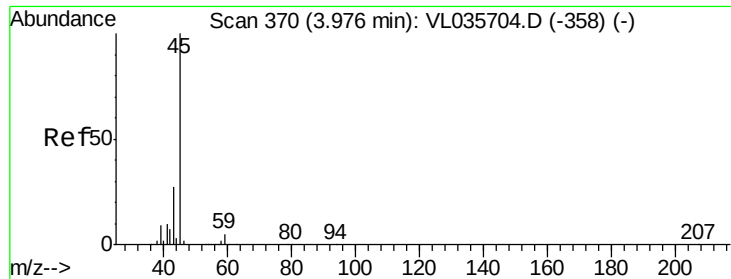
MMDadoda
 9/24/2020 1:35:26 PM



#18
 1,1-Dichloroethene
 Concen: 9.993 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 96 Resp: 959117
 Ion Ratio Lower Upper
 96 100
 61 137.2 106.7 160.1
 98 65.0 50.8 76.2





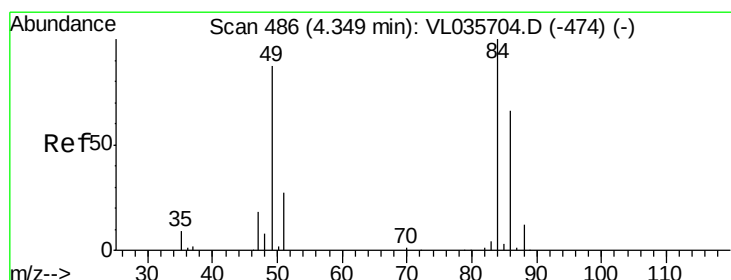
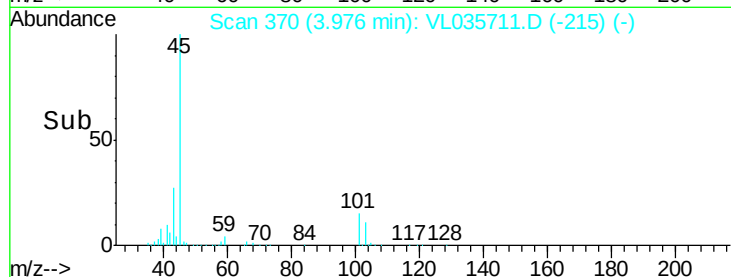
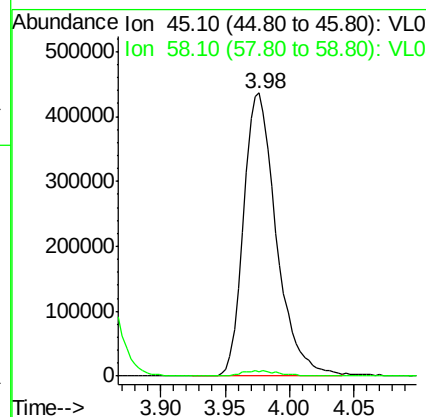
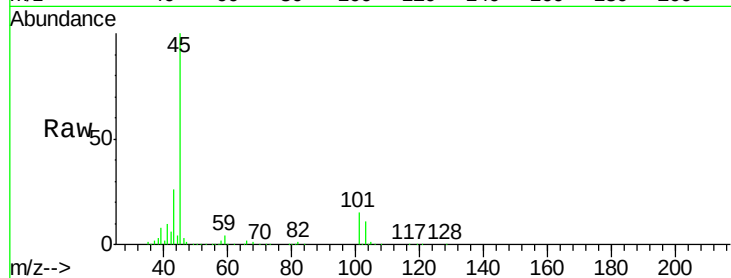
#19
Isopropyl Alcohol
Concen: 10.493 ppbv
RT: 3.98 min Scan# 370
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.3	2.8	4.2#

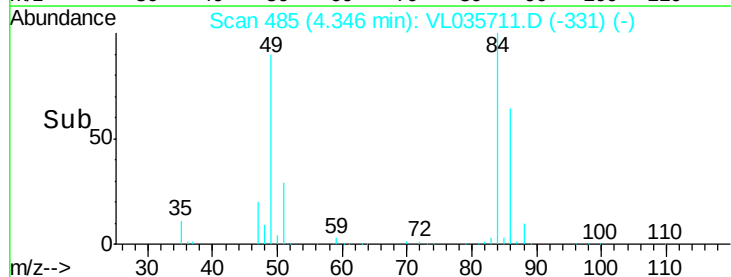
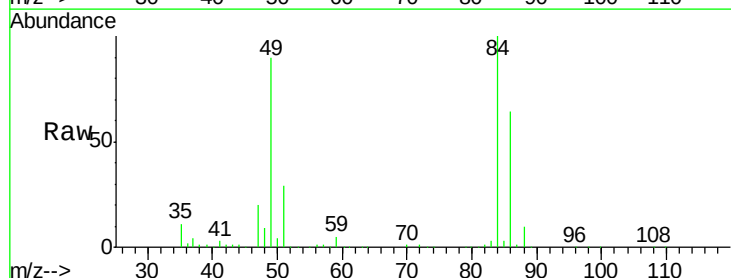
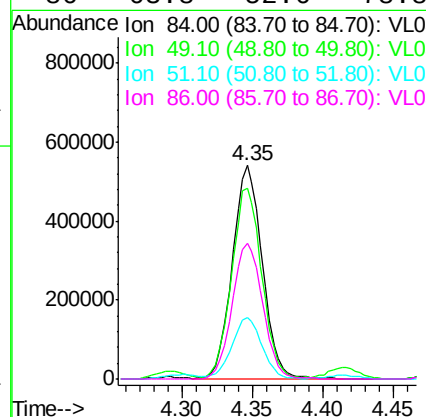
Manual Integrations
APPROVED

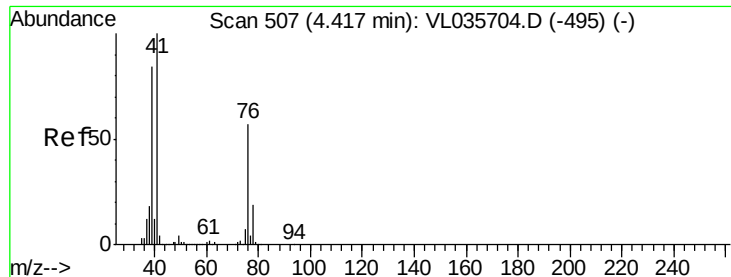
MMDadoda
9/24/2020 1:35:26 PM



#20
Methylene Chloride
Concen: 8.055 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	88.6	69.8	104.6
51	26.9	21.8	32.8
86	63.8	52.6	78.8





#21

Allvl Chloride

Concen: 10.648 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

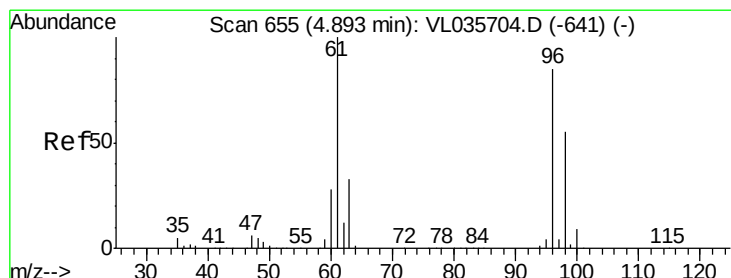
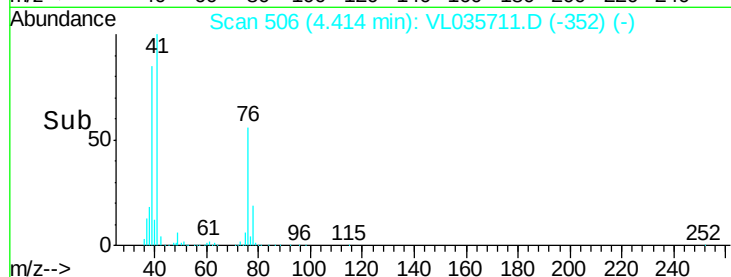
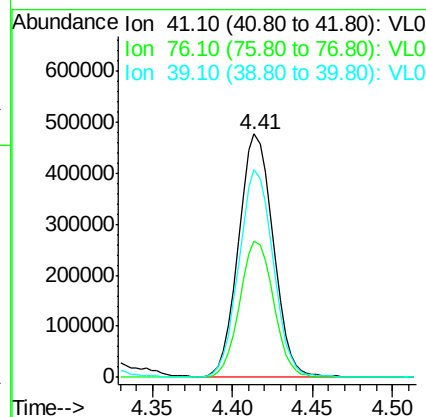
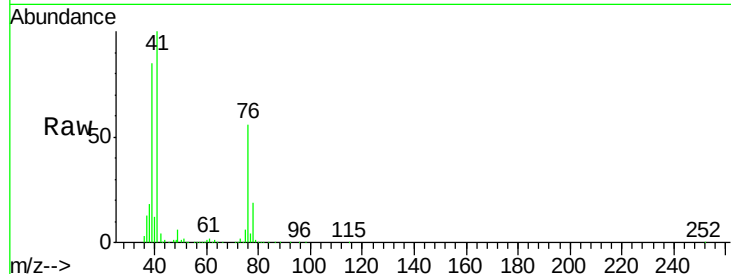
ClientSampleId :

ICVVL092320

Tot Ion:	41	Resp:	697611
Ion Ratio	Lower	Upper	
41	100		
76	55.3	44.8	67.2
39	84.9	68.4	102.6

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:35:26 PM



#22

trans-1,2-Dichloroethene

Concen: 9.819 ppbv

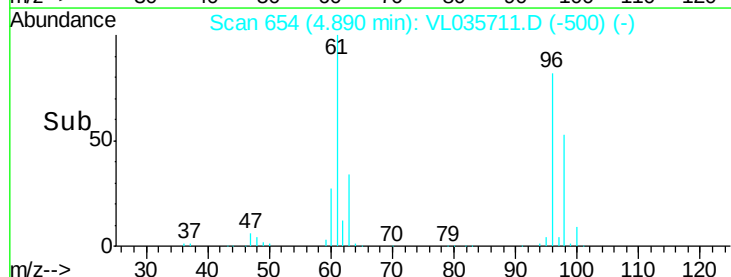
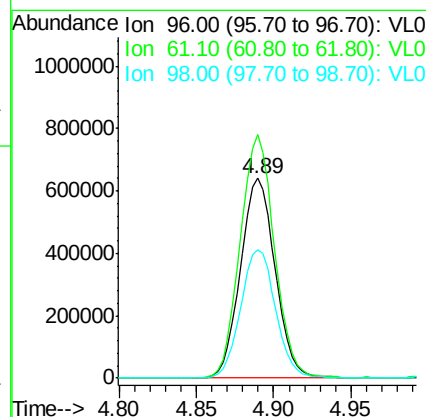
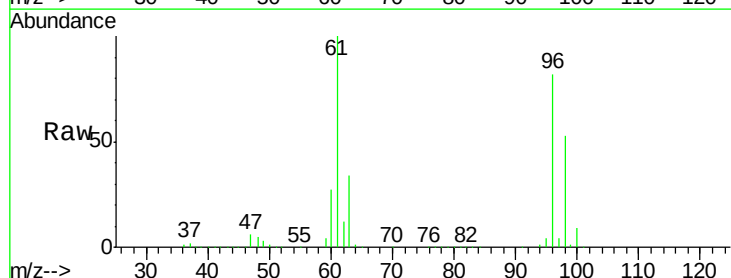
RT: 4.89 min Scan# 654

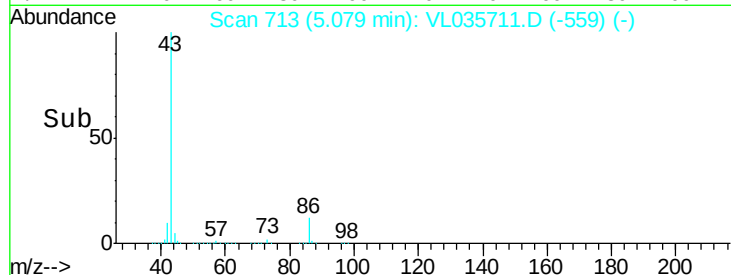
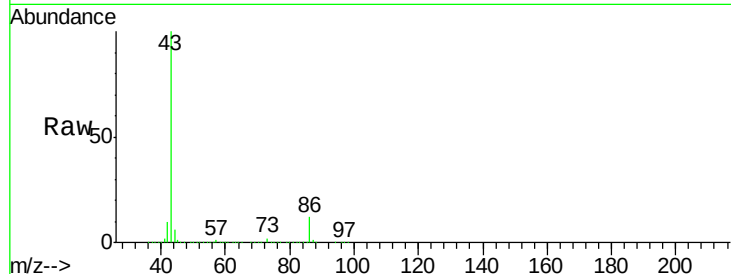
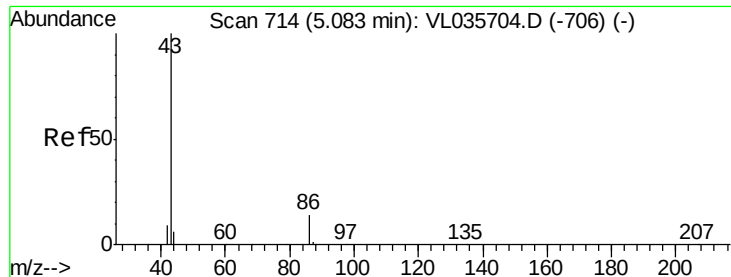
Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:	96	Resp:	995689
Ion Ratio	Lower	Upper	
96	100		
61	121.8	93.7	140.5
98	64.5	51.2	76.8





#23

Vinyl Acetate

Concen: 11.068 ppbv

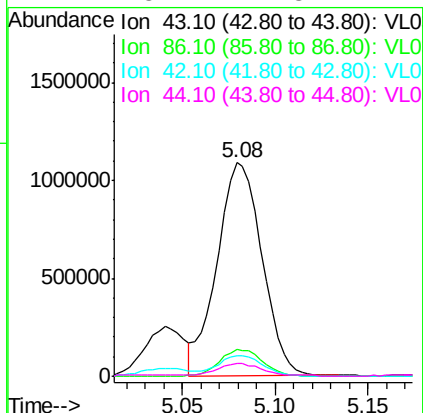
RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tot Ion:	43	Resp:	1832215
Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.7	14.5
42	9.8	7.9	11.9
44	5.7	4.8	7.2



Instrument :

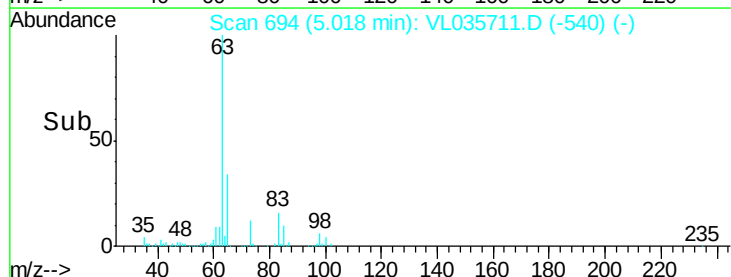
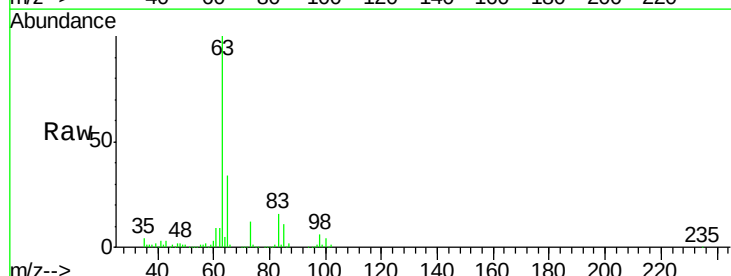
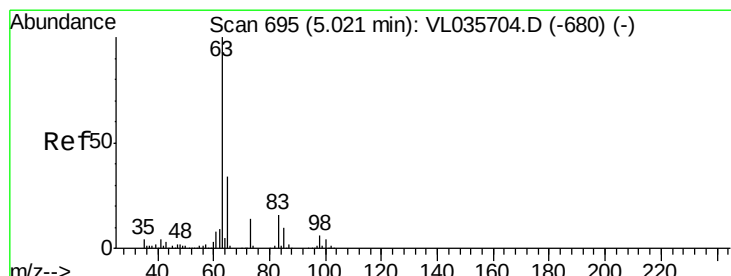
MSVOA_L

ClientSampleId :

ICVVL092320

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:35:26 PM



#24

1,1-Dichloroethane

Concen: 9.805 ppbv

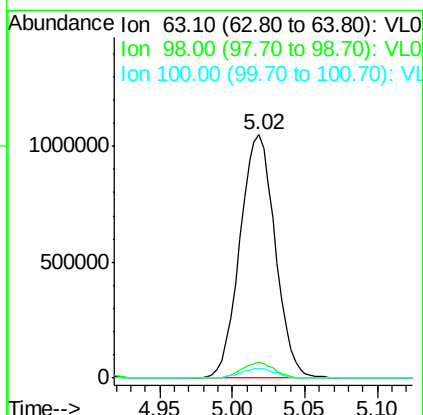
RT: 5.02 min Scan# 694

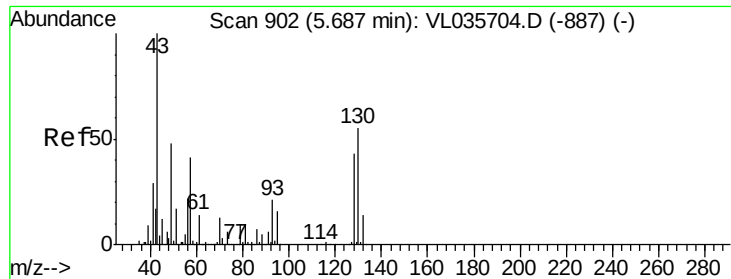
Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:	63	Resp:	1768051
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	4.0	2.0	5.8





#25

Ethyl Acetate

Concen: 9.772 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 43 Resp: 2376554

Ion Ratio Lower Upper

43 100

45 10.7 8.6 12.8

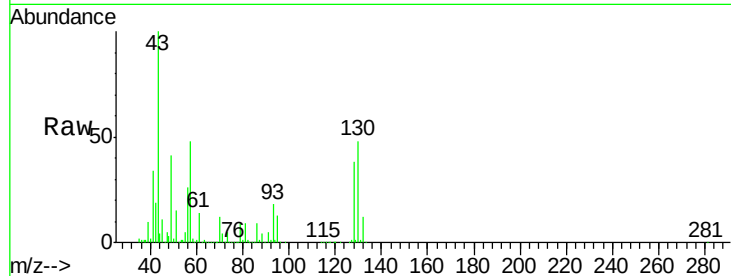
61 13.0 10.4 15.6

70 11.2 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:35:26 PM

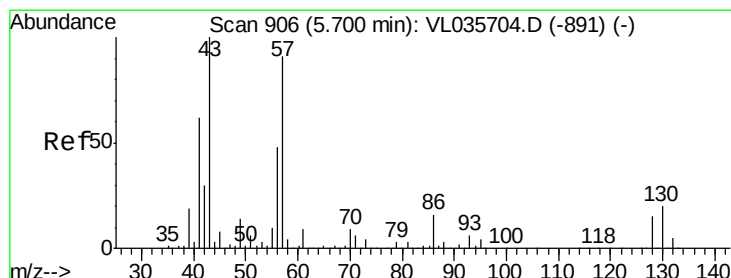
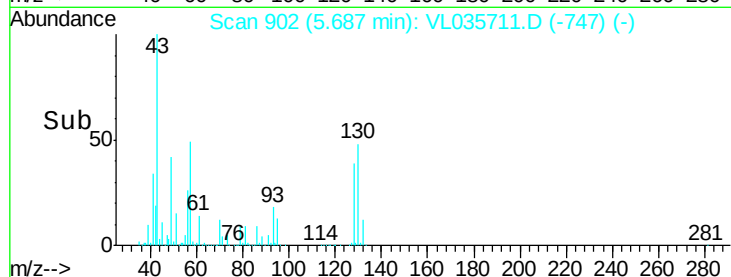
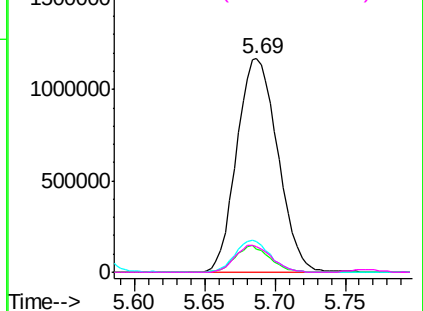


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.963 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 57 Resp: 1327827

Ion Ratio Lower Upper

57 100

41 71.5 57.9 86.9

43 179.8 143.8 215.6

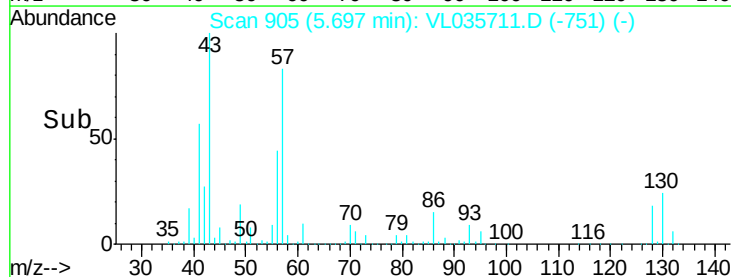
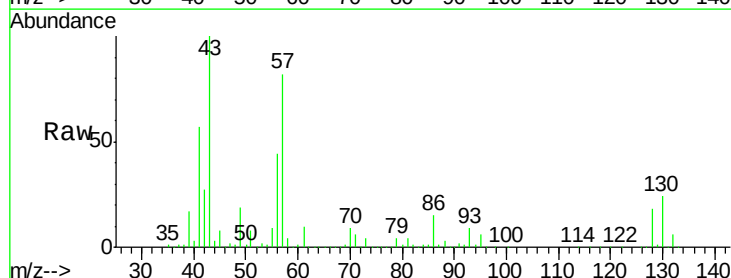
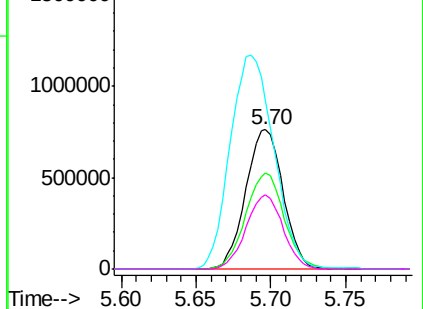
56 52.4 43.0 64.6

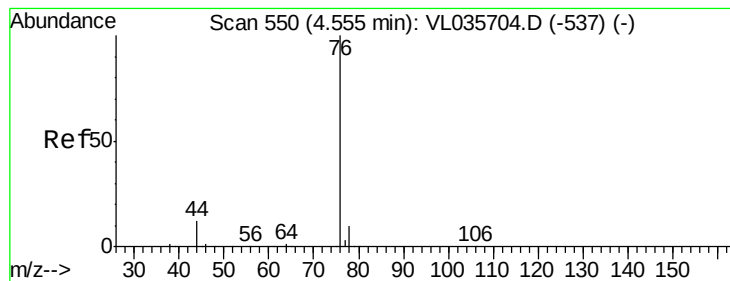
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.741 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 76 Resp: 2133628

Ion Ratio Lower Upper

76 100

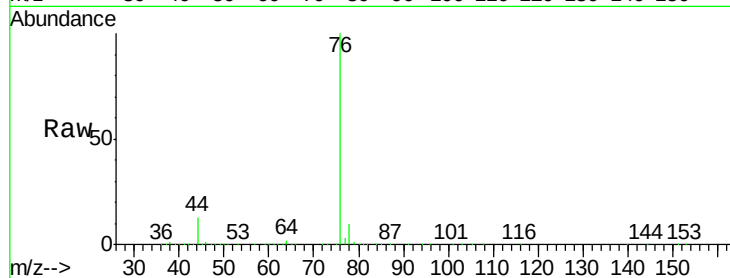
44 11.8 9.7 14.5

78 9.8 7.8 11.8

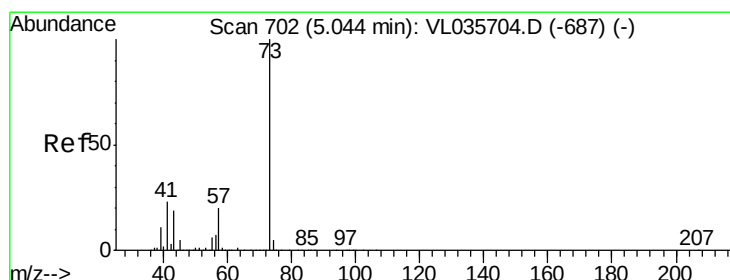
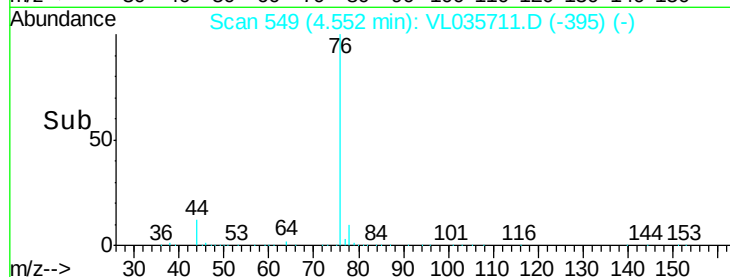
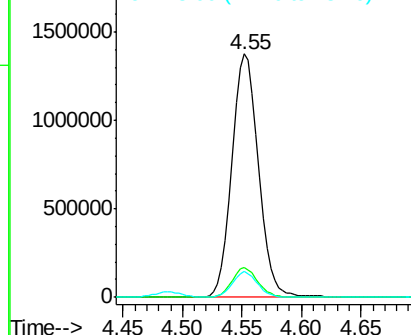
Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:35:26 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.311 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL035711.D

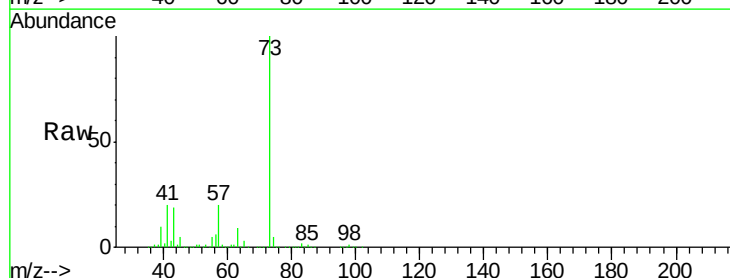
Acq: 23 Sep 2020 7:49

Tgt Ion: 73 Resp: 2389559

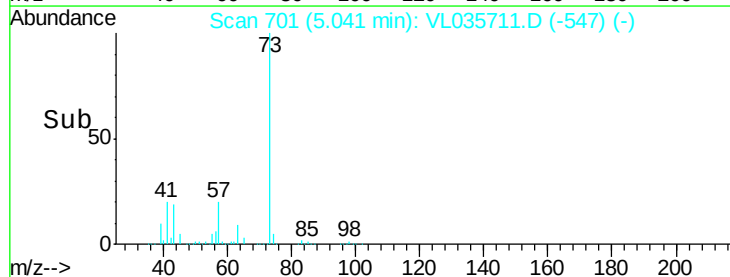
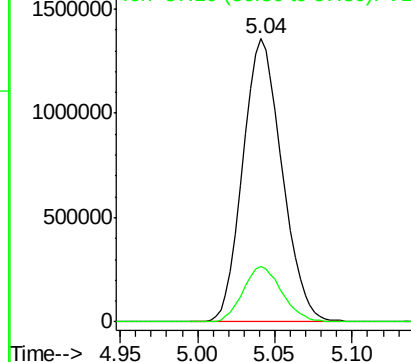
Ion Ratio Lower Upper

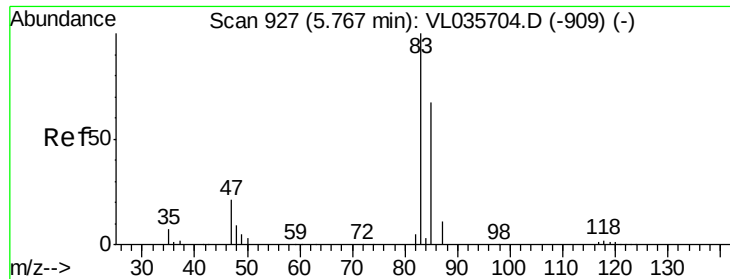
73 100

57 19.6 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





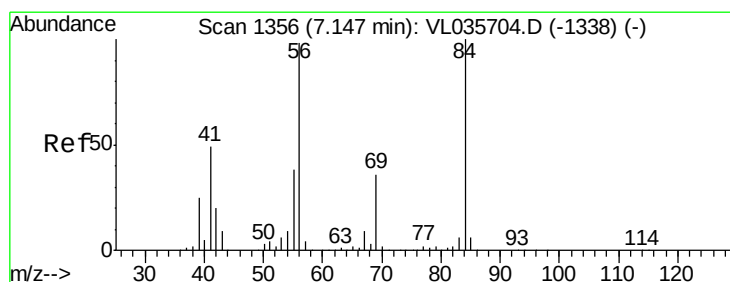
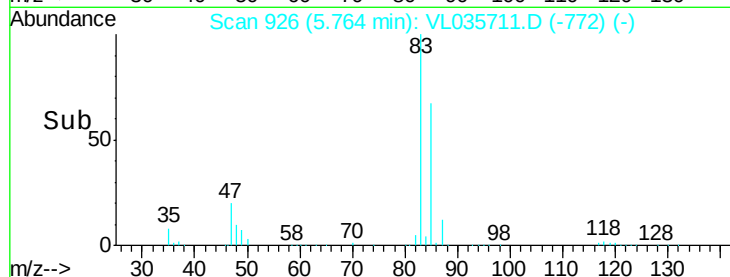
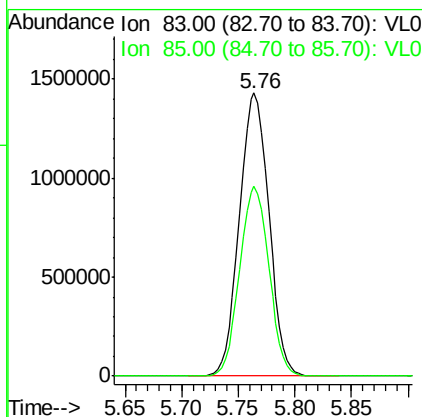
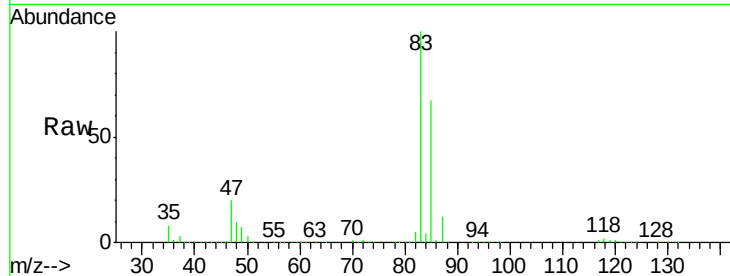
#29
Chloroform
Concen: 9.662 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion: 83 Resp: 2615033
Ion Ratio Lower Upper
83 100
85 67.0 54.0 81.0

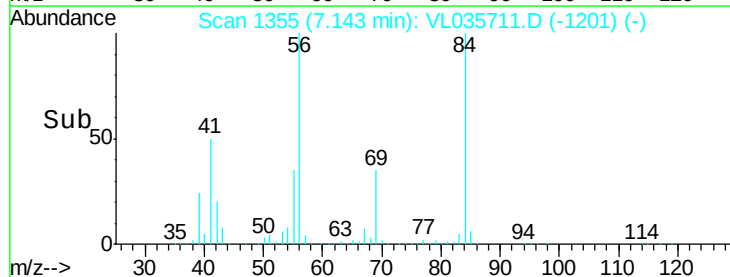
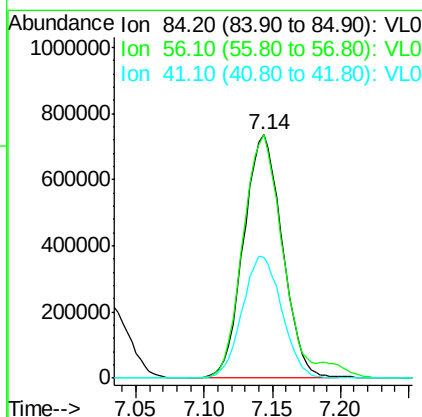
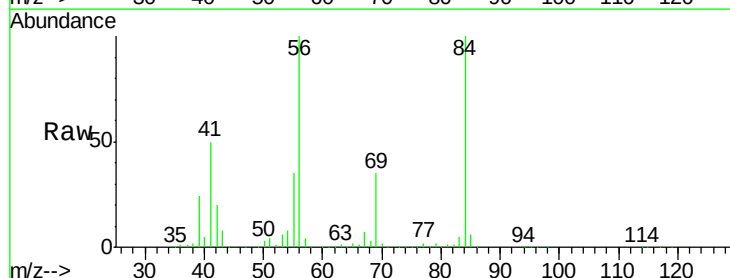
Manual Integrations
APPROVED

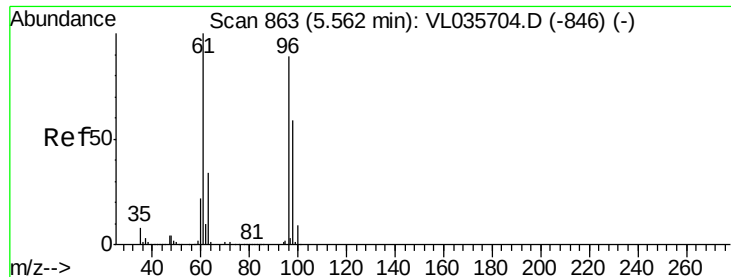
MMDadoda
9/24/2020 1:35:26 PM



#30
Cyclohexane
Concen: 11.062 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 84 Resp: 1454533
Ion Ratio Lower Upper
84 100
56 105.2 84.6 127.0
41 51.1 41.1 61.7





#31

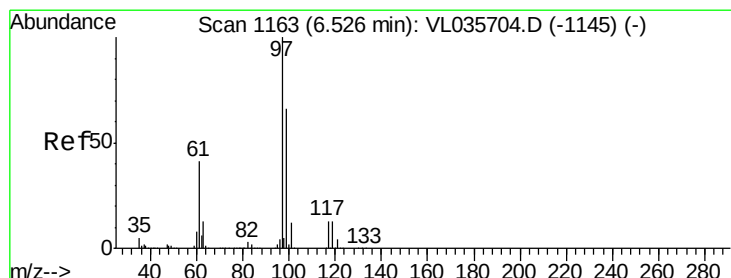
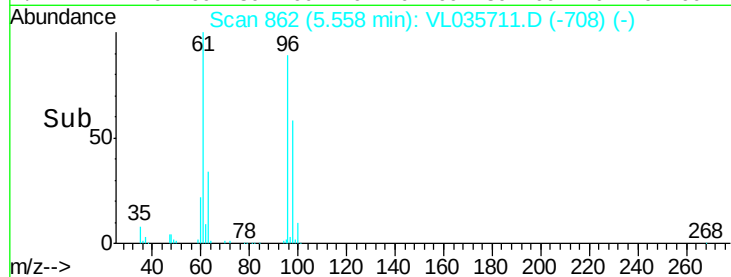
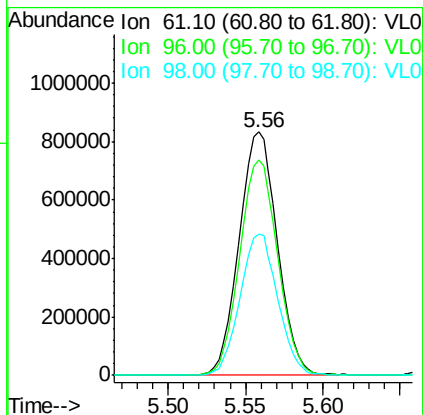
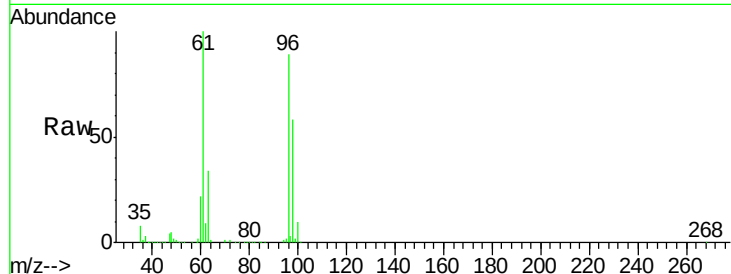
cis-1,2-Dichloroethene
 Concen: 11.126 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ratio	Lower	Upper
61	100		
96	88.6	71.4	107.2
98	58.2	47.4	71.2

Manual Integrations
 APPROVED

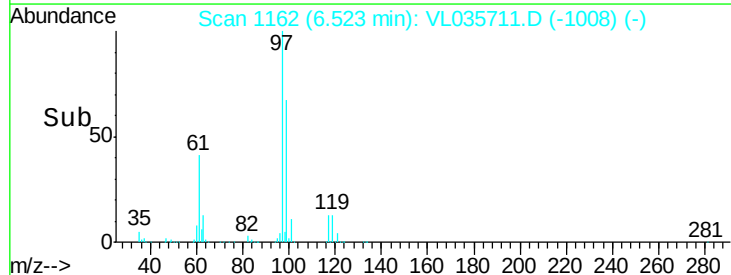
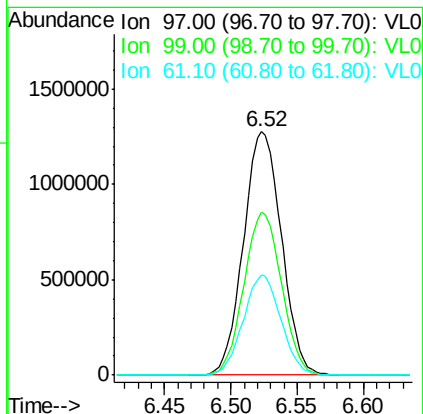
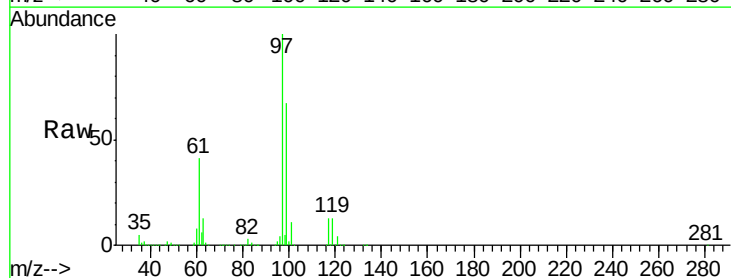
MMDadoda
 9/24/2020 1:35:26 PM

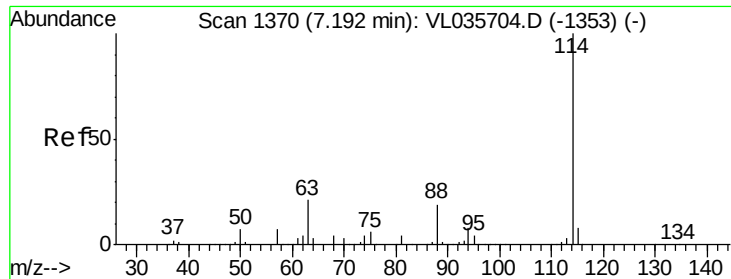


#32

1,1,1-Trichloroethane
 Concen: 10.650 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.7	79.1
61	40.7	32.7	49.1





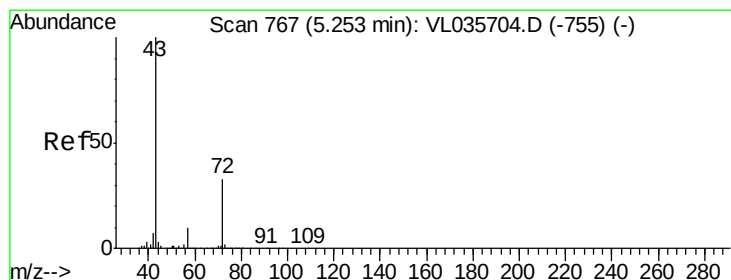
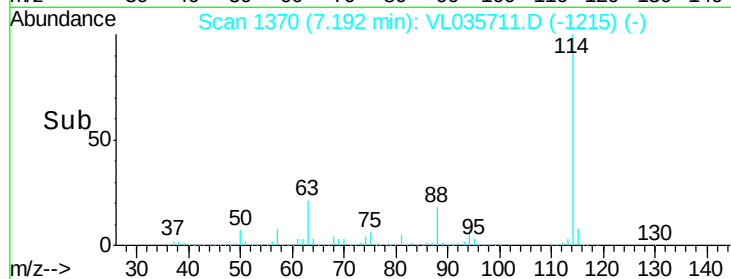
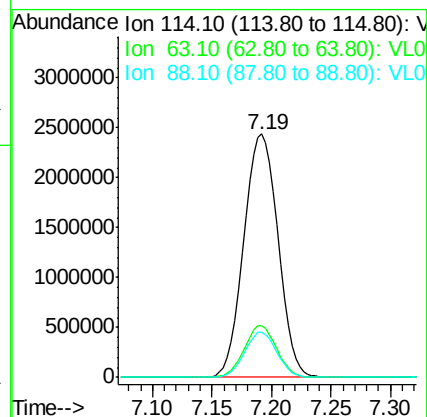
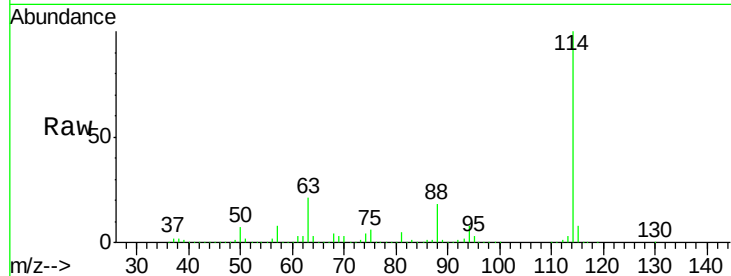
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ion	Ratio	Lower	Upper
114	100			
63	20.3	16.1	24.1	
88	17.6	14.1	21.1	

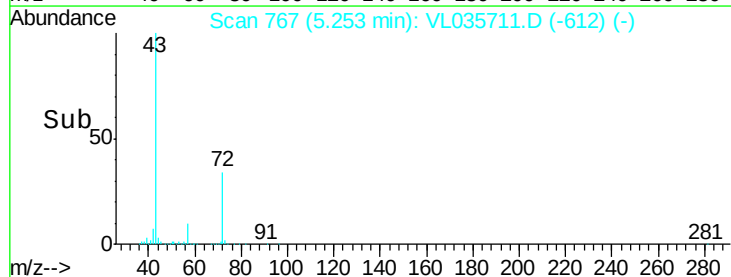
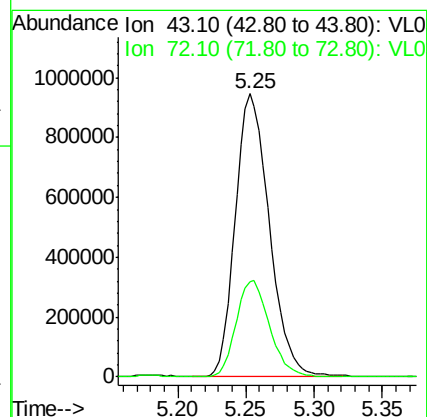
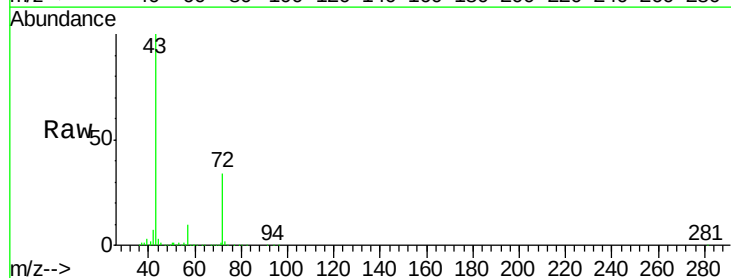
Manual Integrations
 APPROVED

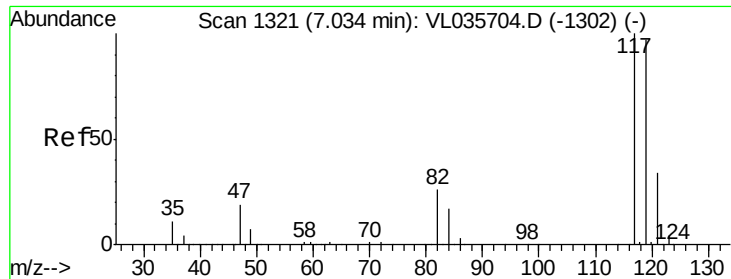
MMDadoda
 9/24/2020 1:35:26 PM



#34
 2-Butanone
 Concen: 10.180 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
72	33.6	26.1	39.1	





#35

Carbon Tetrachloride

Concen: 10.210 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion:117 Resp: 2585749

Ion Ratio Lower Upper

117 100

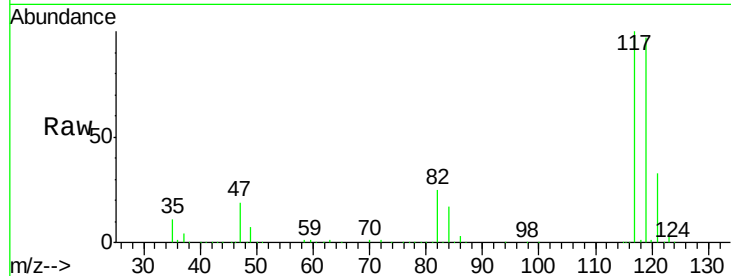
119 96.6 77.7 116.5

121 32.7 26.9 40.3

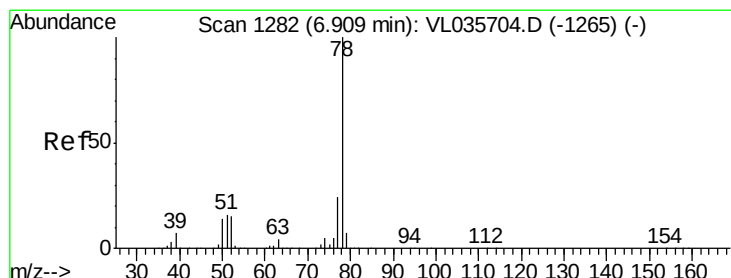
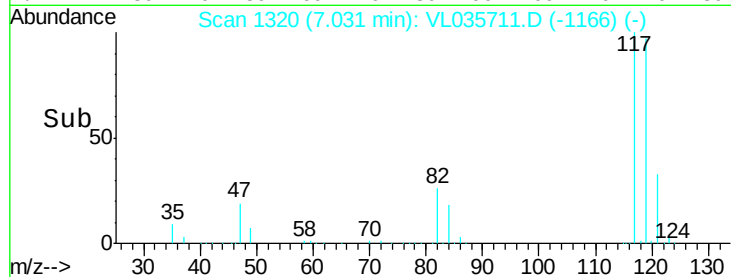
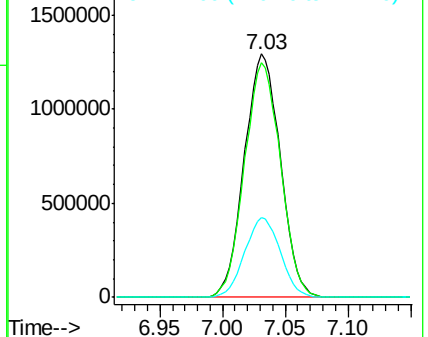
Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:35:26 PM



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



#36

Benzene

Concen: 10.499 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

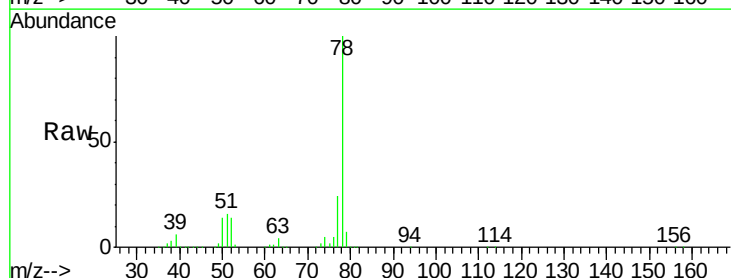
Tgt Ion: 78 Resp: 3322910

Ion Ratio Lower Upper

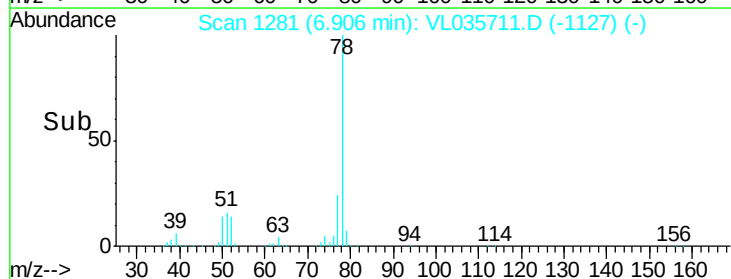
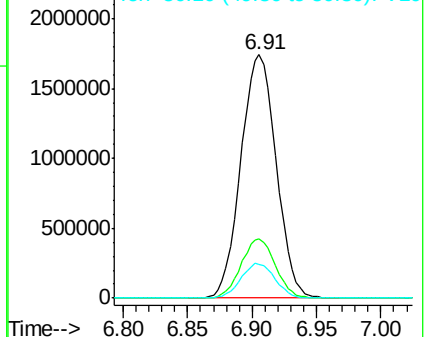
78 100

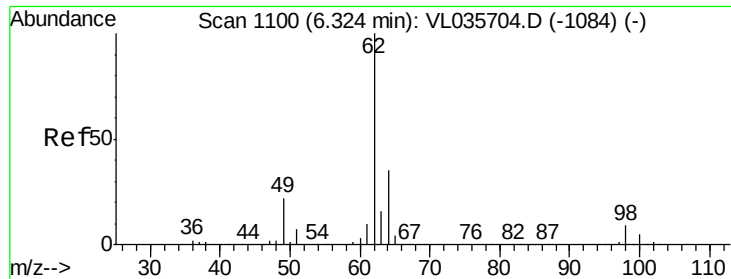
77 24.3 19.3 28.9

50 13.9 11.6 17.4



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





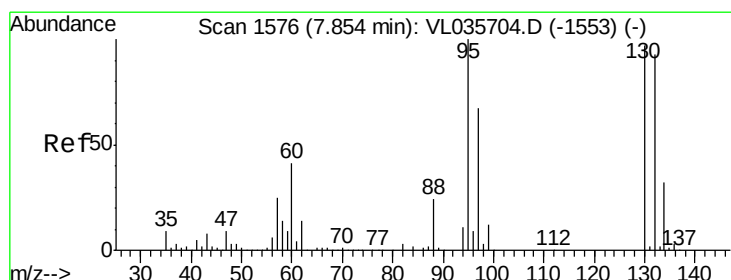
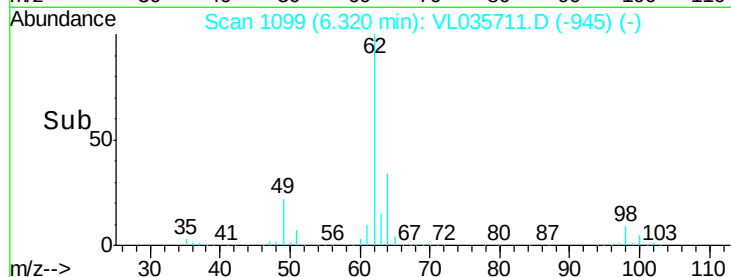
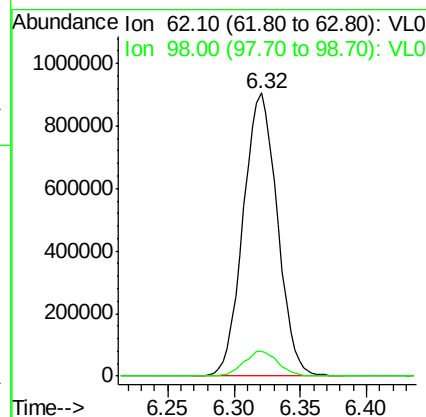
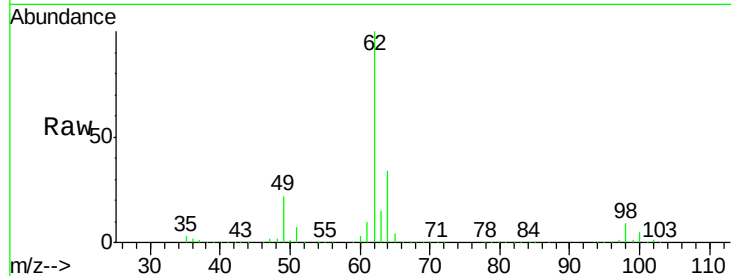
#37
 1,2-Dichloroethane
 Concen: 9.814 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.9	10.3

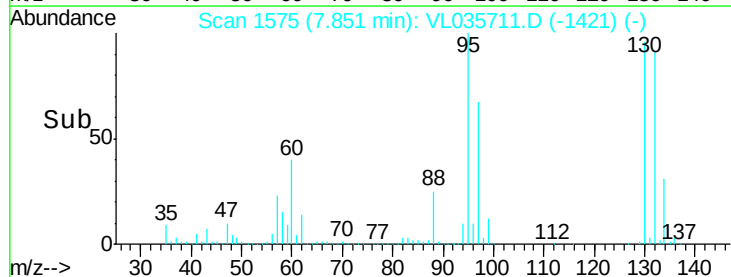
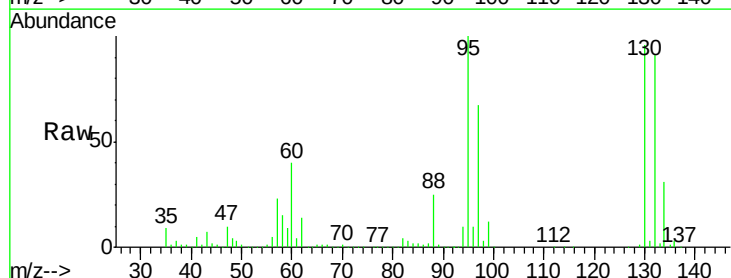
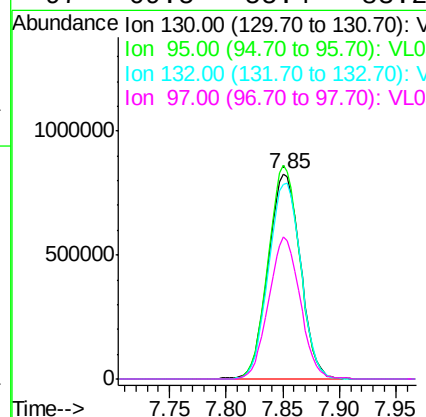
Manual Integrations
 APPROVED

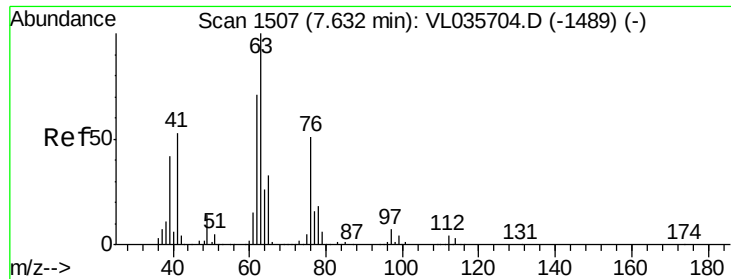
MMDadoda
 9/24/2020 1:35:26 PM



#38
 Trichloroethene
 Concen: 10.366 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	82.4	123.6
132	94.6	76.8	115.2
97	69.5	55.4	83.2





#39

1,2-Dichloropropane

Concen: 10.048 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 63 Resp: 1152706

Ion Ratio Lower Upper

63 100

41 51.2 42.6 63.8

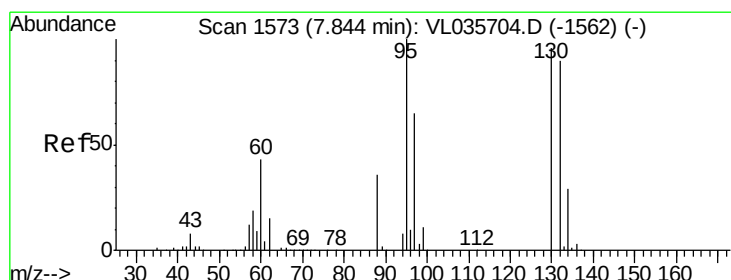
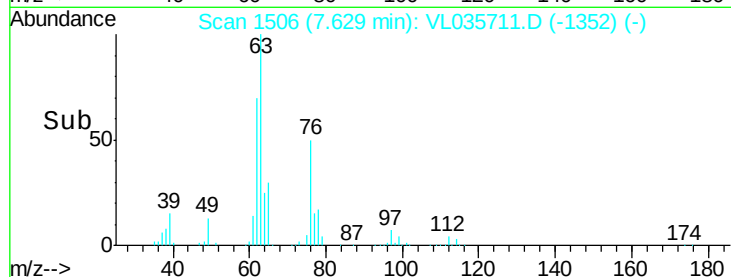
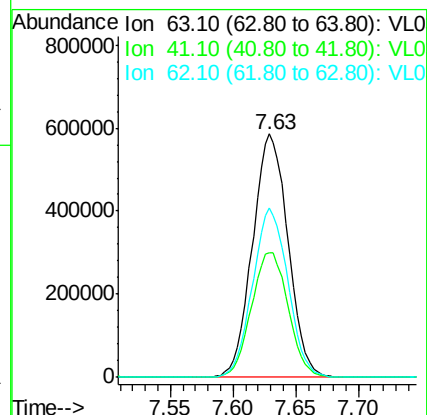
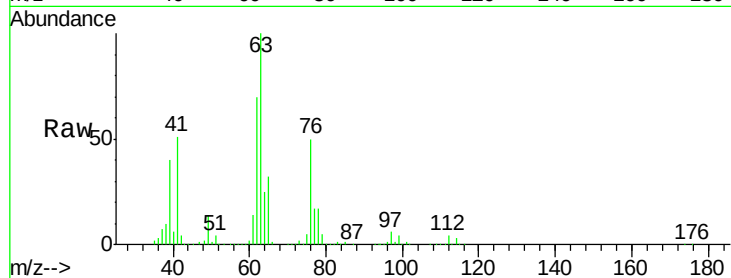
62 69.7 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#40

1,4-Dioxane

Concen: 10.505 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 88 Resp: 551104

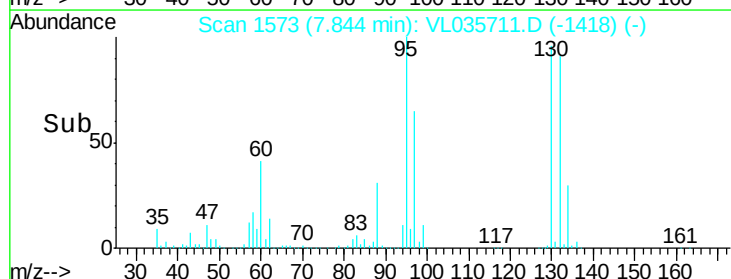
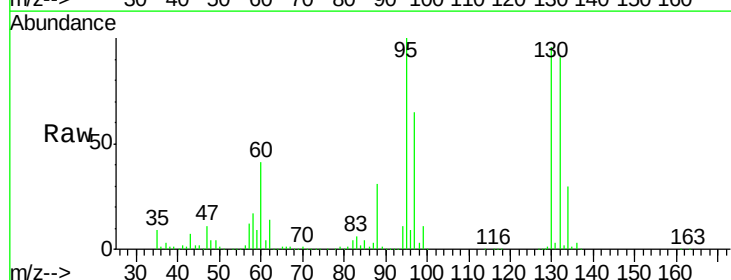
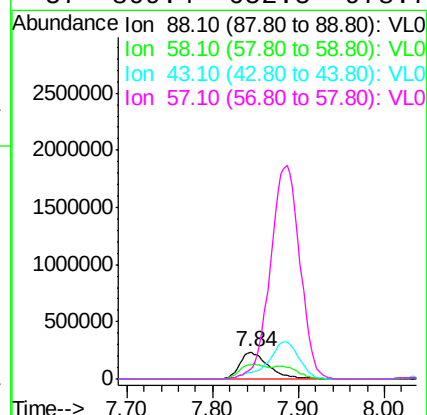
Ion Ratio Lower Upper

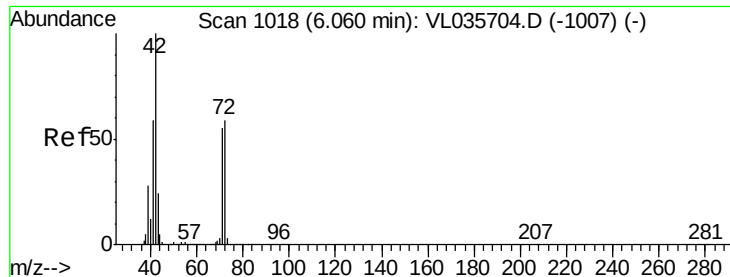
88 100

58 93.6 76.2 114.4

43 150.4 123.4 185.2

57 809.4 652.5 978.7





#41

Tetrahydrofuran

Concen: 11.550 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

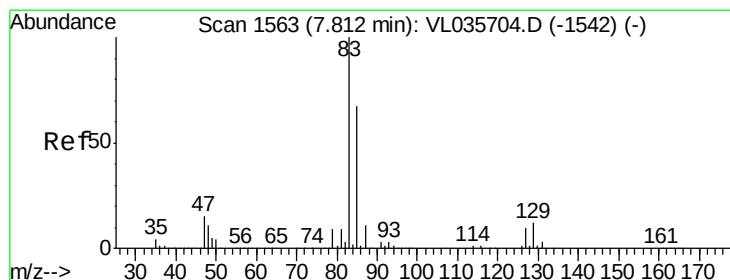
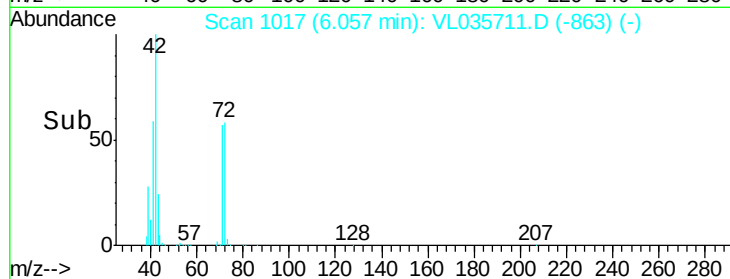
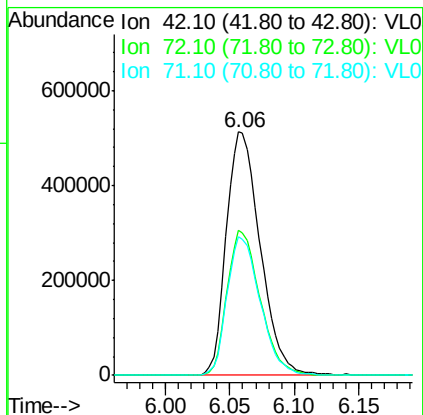
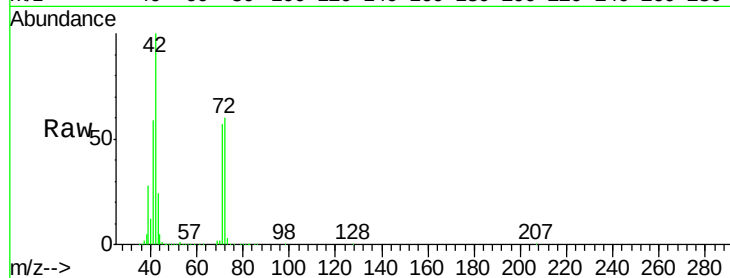
ClientSampleId :

ICVVL092320

Tot Ion:	42	Resp:	934827
Ion Ratio		Lower	Upper
42	100		
72	58.4	46.2	69.4
71	56.0	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:35:26 PM



#42

Bromodichloromethane

Concen: 10.328 ppbv

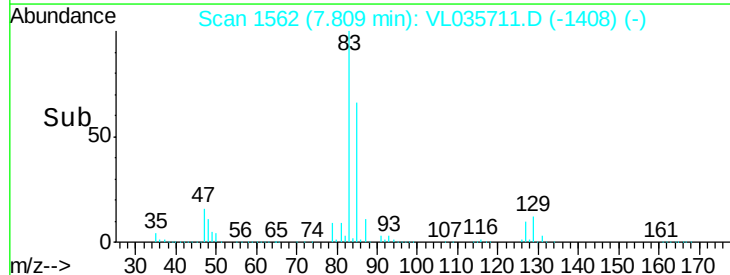
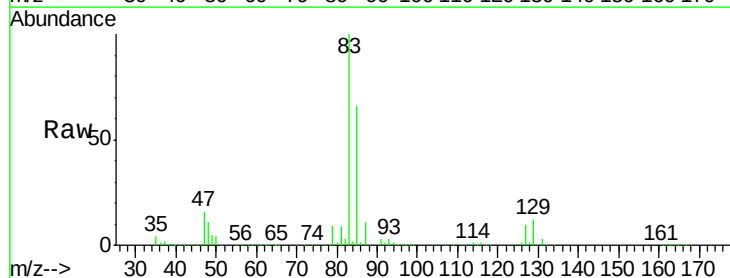
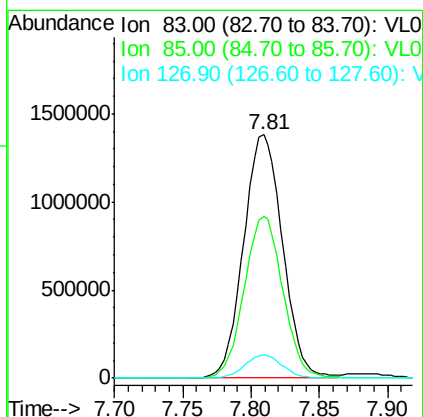
RT: 7.81 min Scan# 1562

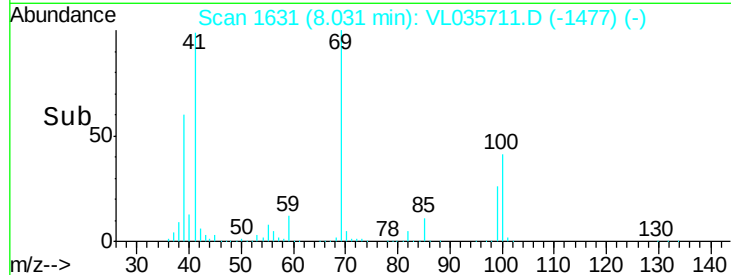
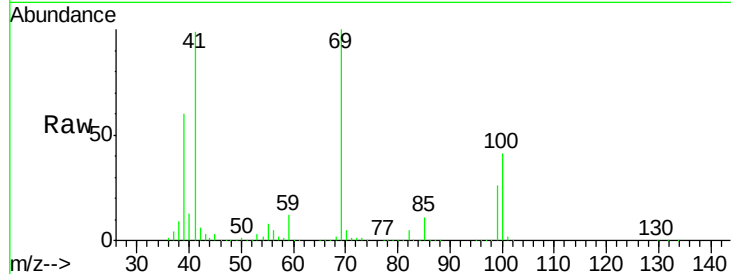
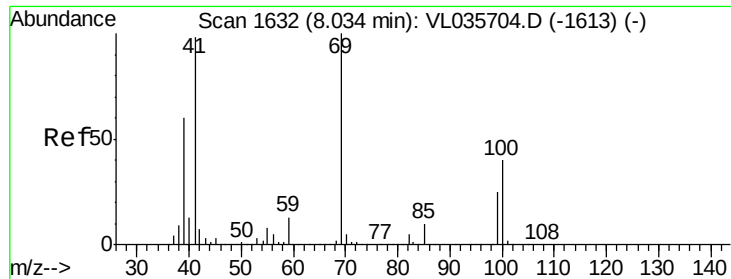
Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:	83	Resp:	2744304
Ion Ratio		Lower	Upper
83	100		
85	66.2	53.4	80.0
127	9.6	7.8	11.6





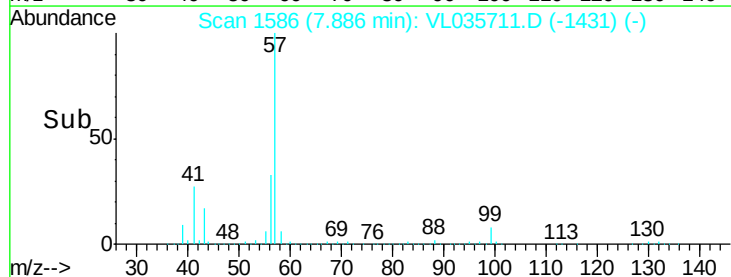
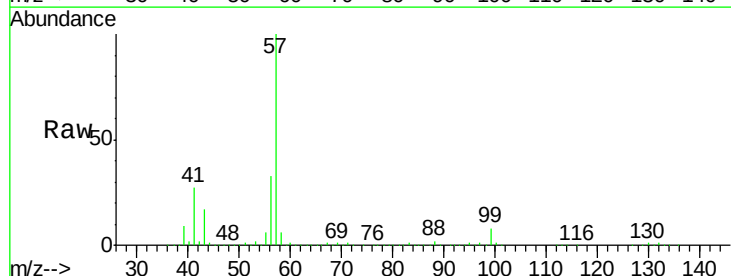
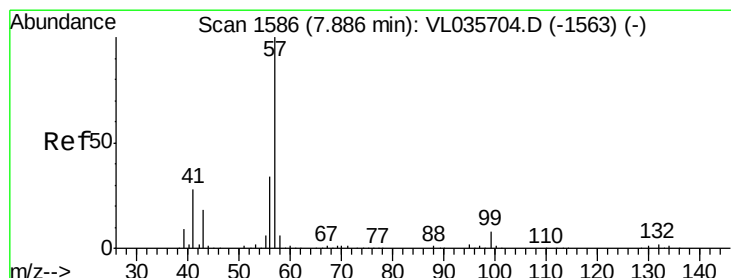
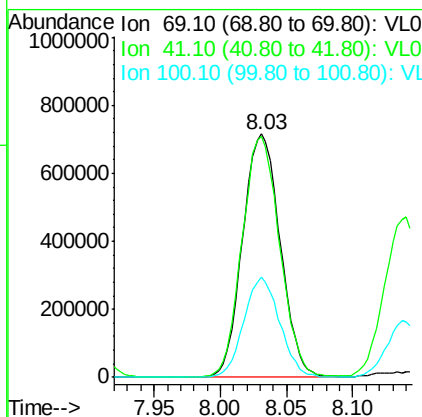
#43
Methyl Methacrylate
Concen: 11.208 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tot Ion: 69 Resp: 1410757
Ion Ratio Lower Upper
69 100
41 99.1 79.8 119.6
100 39.5 30.6 46.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

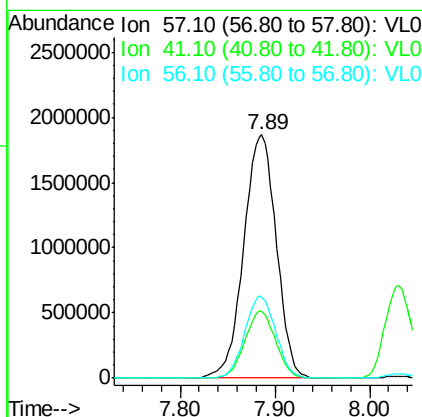
Manual Integrations
APPROVED

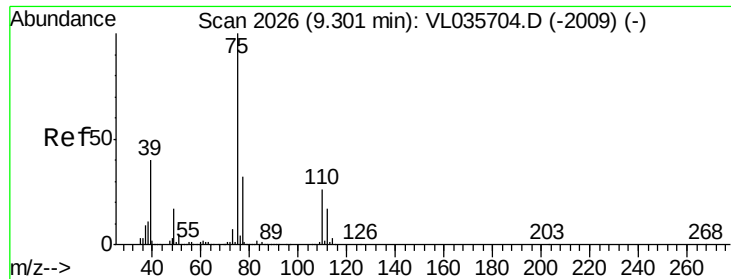
MMDadoda
9/24/2020 1:35:26 PM



#44
2,2,4-Trimethylpentane
Concen: 9.817 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 57 Resp: 4458516
Ion Ratio Lower Upper
57 100
41 26.2 21.2 31.8
56 32.0 25.8 38.8





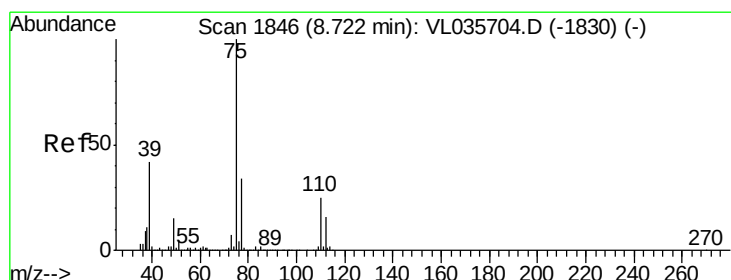
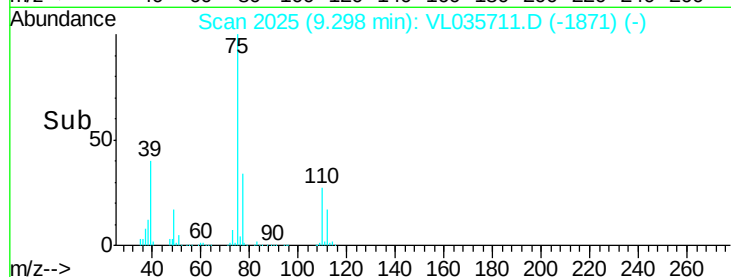
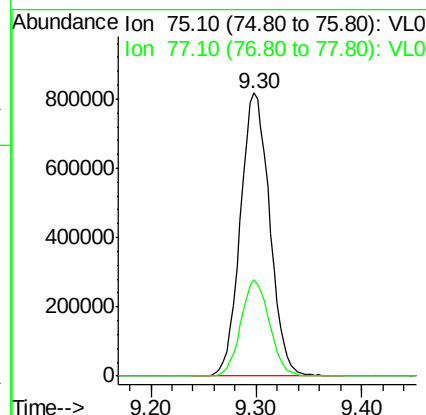
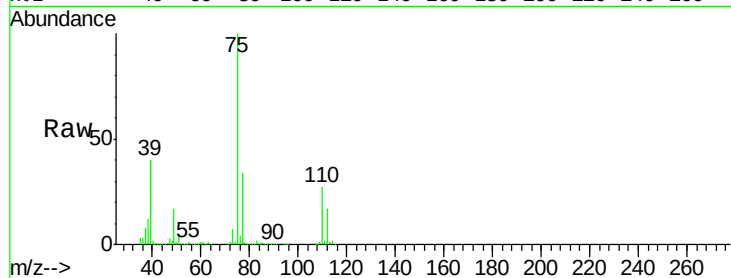
#45
 t-1,3-Dichloropropene
 Concen: 12.415 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion: 75 Resp: 1577825
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.9 38.9

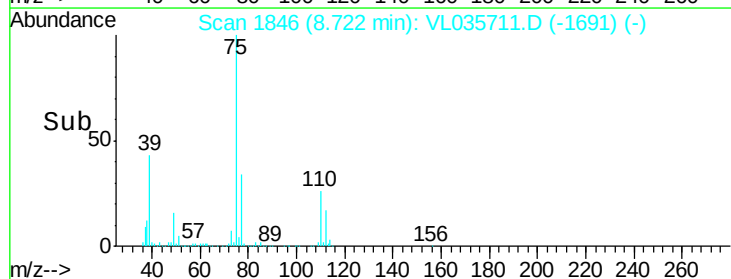
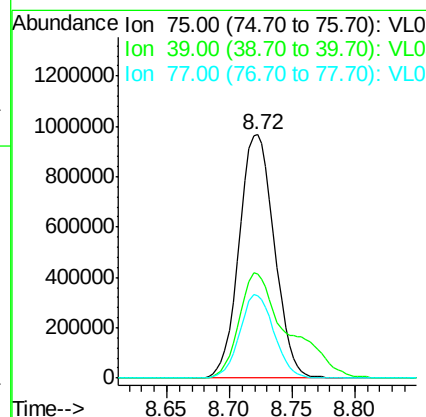
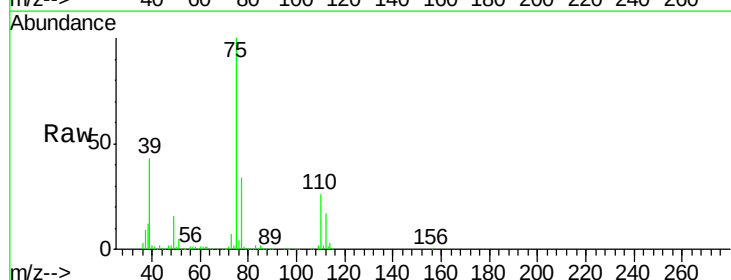
Manual Integrations
 APPROVED

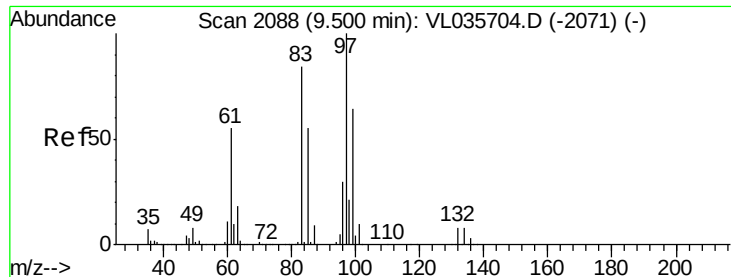
MMDadoda
 9/24/2020 1:35:26 PM



#46
 cis-1,3-Dichloropropene
 Concen: 12.045 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 75 Resp: 1886940
 Ion Ratio Lower Upper
 75 100
 39 42.7 33.9 50.9
 77 33.8 27.4 41.0





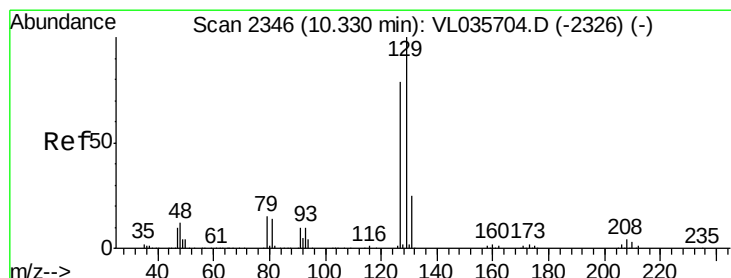
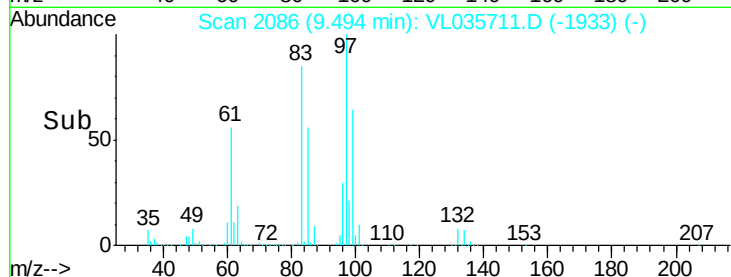
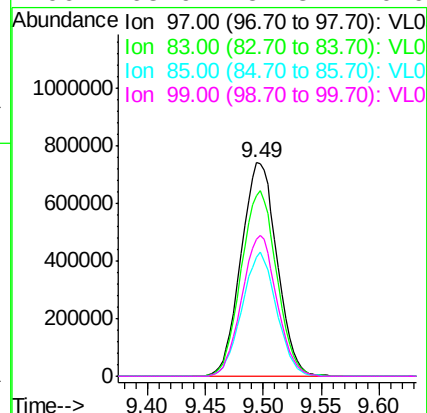
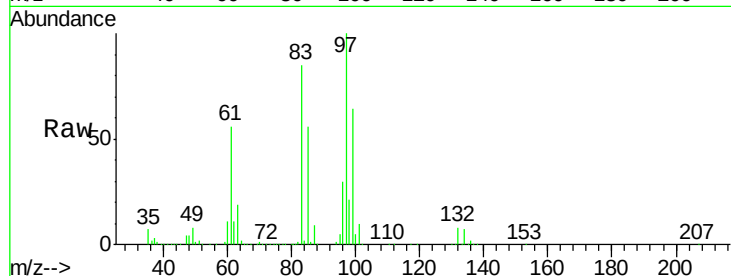
#47
 1,1,2-Trichloroethane
 Concen: 9.717 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.1	100.7
85	55.6	43.9	65.9
99	63.9	51.3	76.9

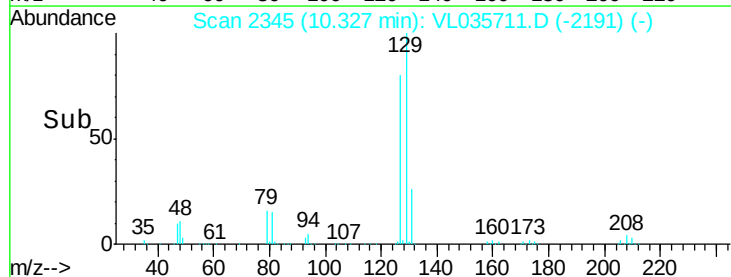
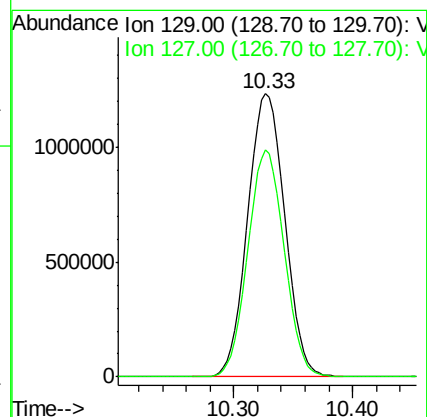
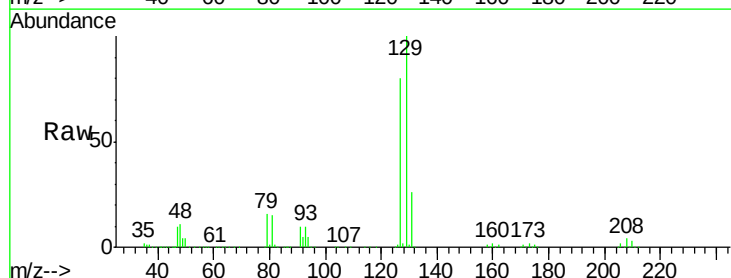
Manual Integrations
 APPROVED

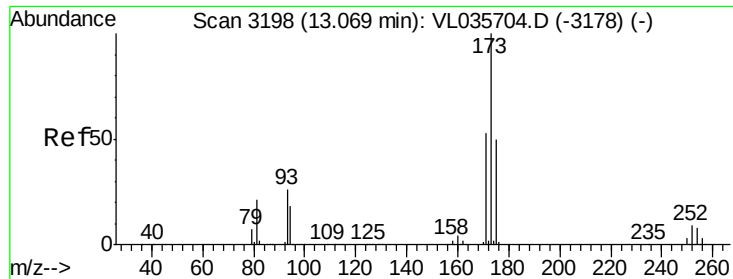
MMDadoda
 9/24/2020 1:35:26 PM



#48
 Dibromochloromethane
 Concen: 10.689 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.1





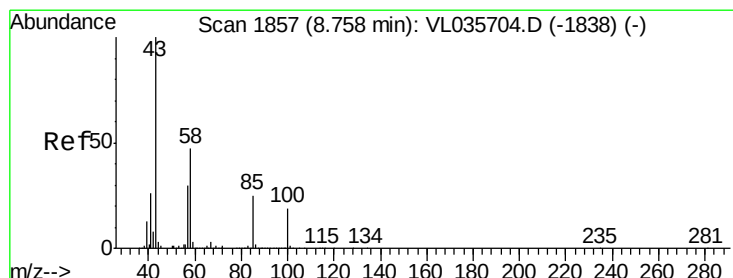
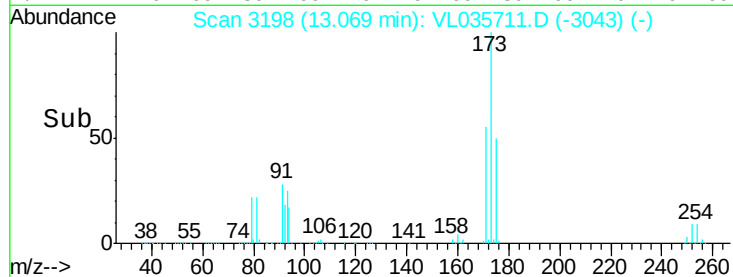
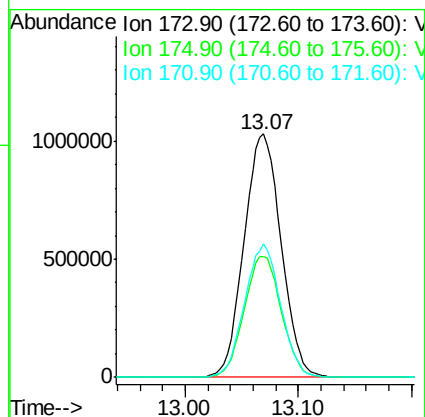
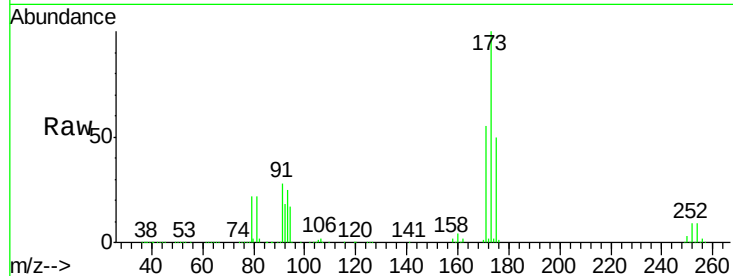
#49
Bromoform
Concen: 11.063 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion:173 Resp: 2347587
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.6
171 53.3 42.8 64.2

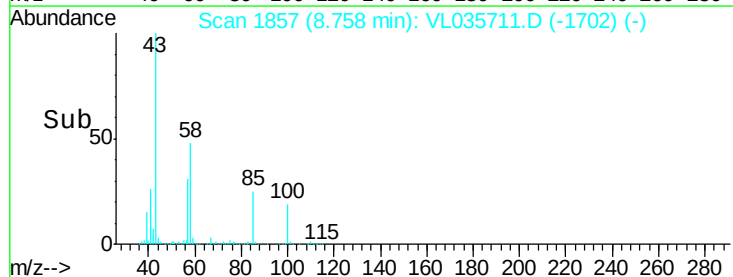
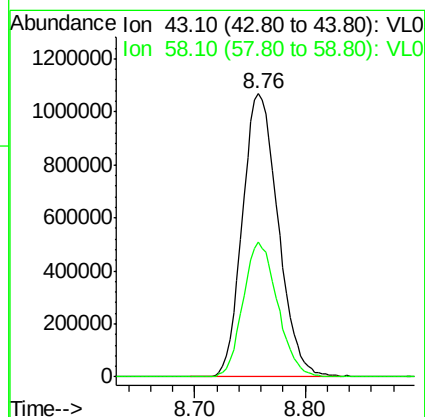
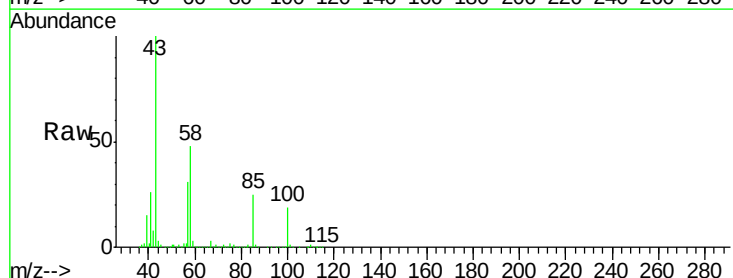
Manual Integrations
APPROVED

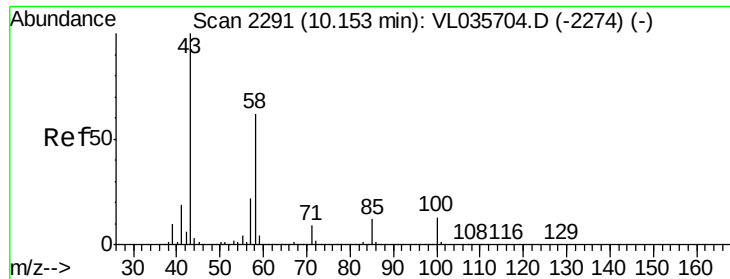
MMDadoda
9/24/2020 1:35:26 PM



#50
4-Methyl-2-Pentanone
Concen: 10.217 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 43 Resp: 2397575
Ion Ratio Lower Upper
43 100
58 46.1 36.6 54.8





#51

2-Hexanone

Concen: 10.685 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 43 Resp: 2020078

Ion Ratio Lower Upper

43 100

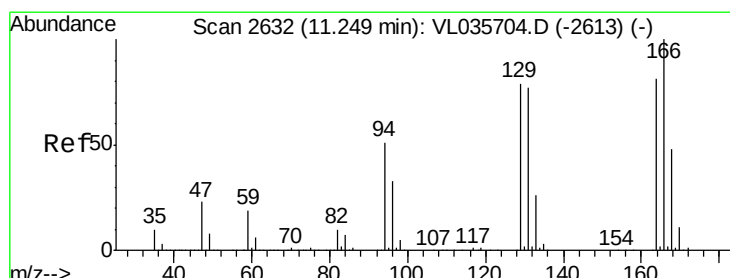
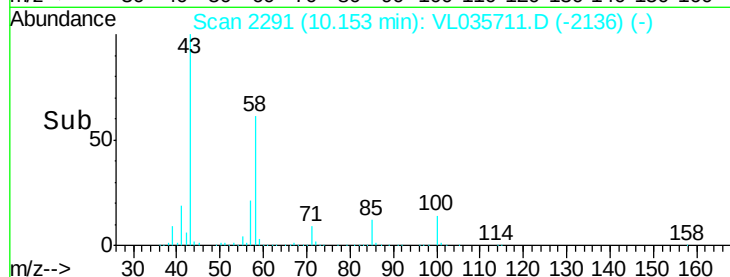
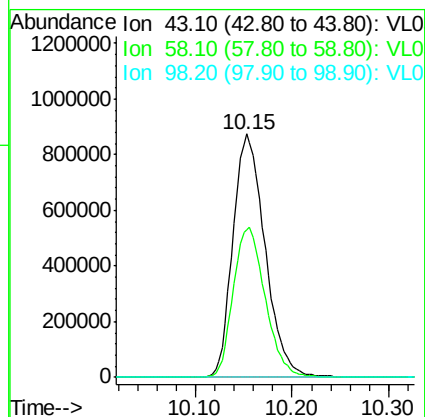
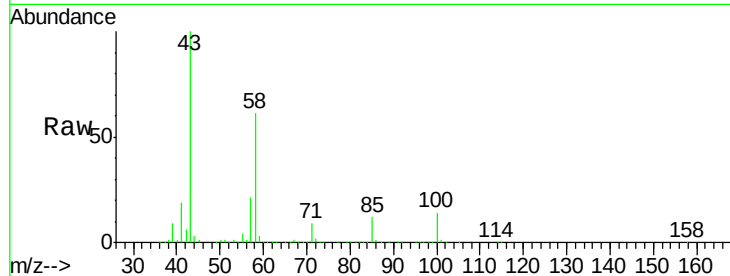
58 61.5 48.7 73.1

98 0.5 0.7 1.1#

Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#52

Tetrachloroethene

Concen: 10.094 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion: 164 Resp: 1536358

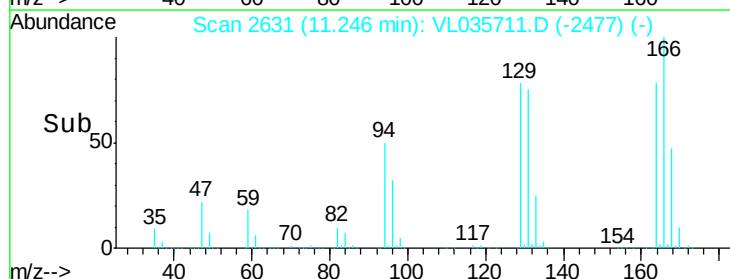
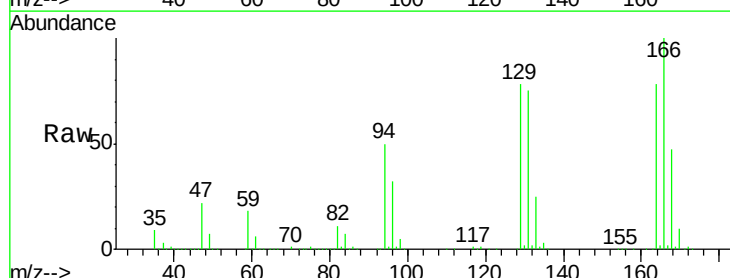
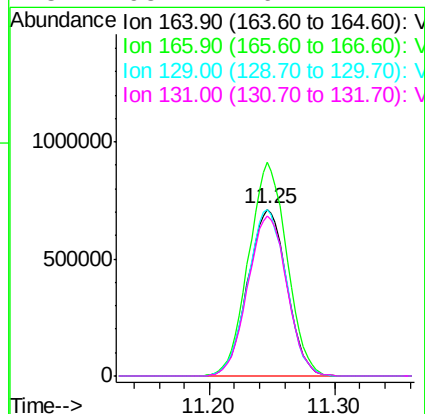
Ion Ratio Lower Upper

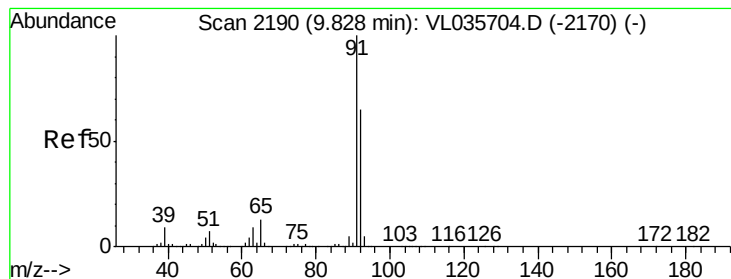
164 100

166 128.0 98.7 148.1

129 99.7 78.4 117.6

131 95.7 76.2 114.2





#53

Toluene

Concen: 11.043 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 91 Resp: 4121516

Ion Ratio Lower Upper

91 100

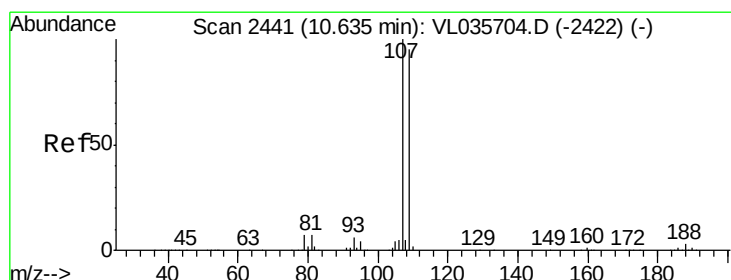
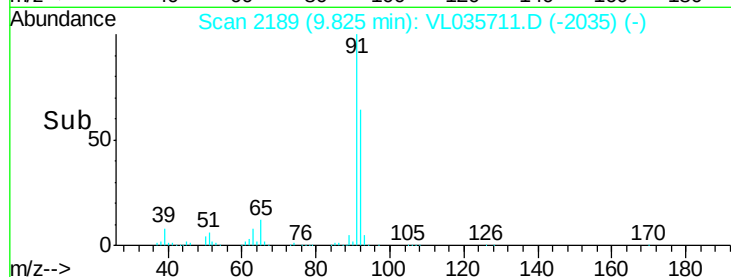
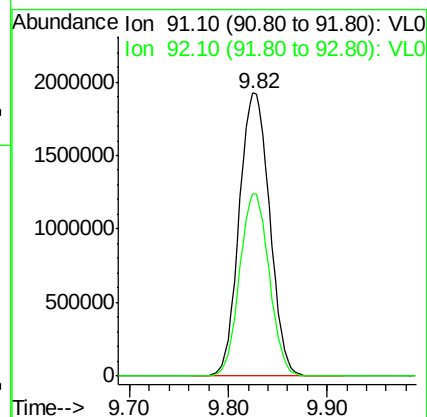
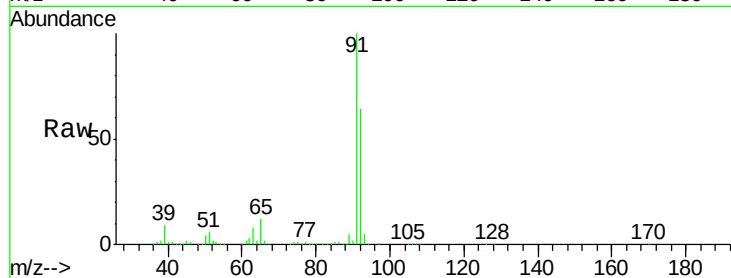
92 62.6 50.0 75.0

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#54

1,2-Dibromoethane

Concen: 10.186 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL035711.D

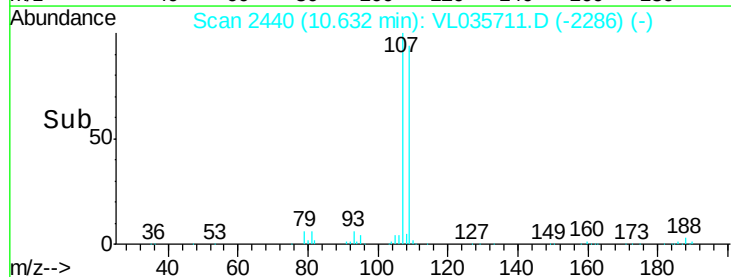
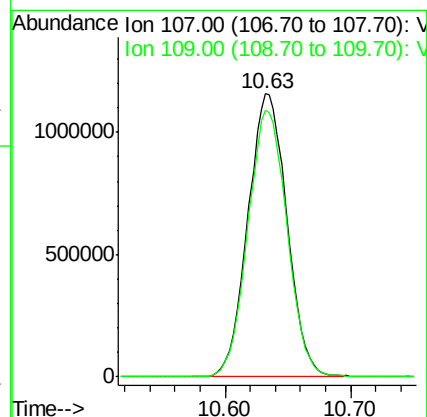
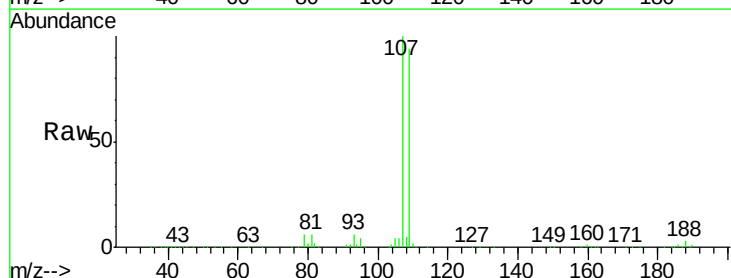
Acq: 23 Sep 2020 7:49

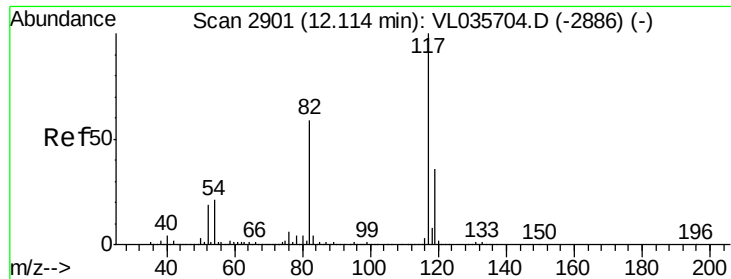
Tgt Ion: 107 Resp: 2506101

Ion Ratio Lower Upper

107 100

109 94.0 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion:117 Resp: 4886569

Ion Ratio Lower Upper

117 100

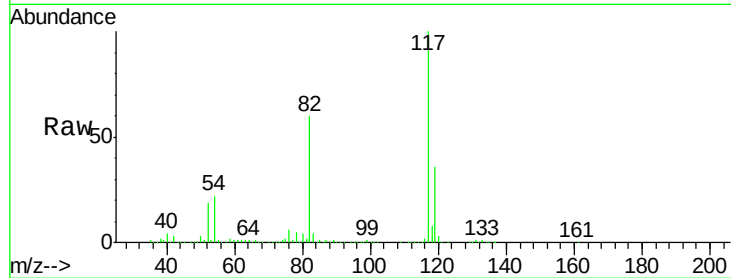
82 58.2 46.1 69.1

119 34.8 28.0 42.0

Manual Integrations
APPROVED

MMDadoda

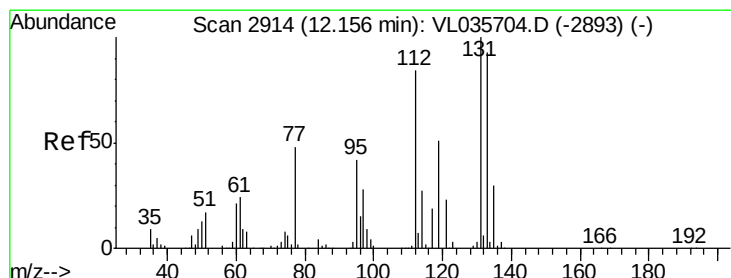
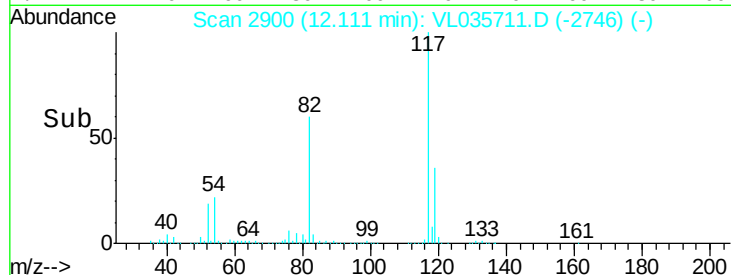
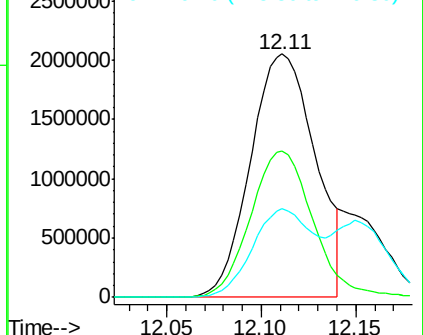
9/24/2020 1:35:26 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.971 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

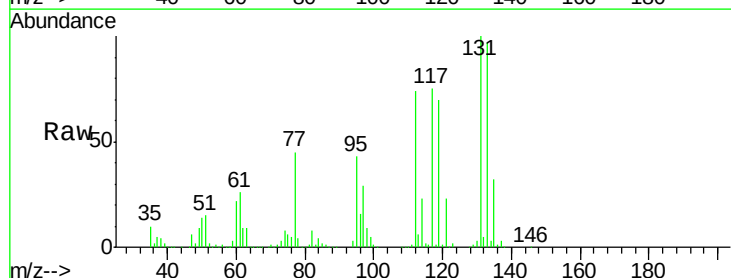
Tgt Ion:131 Resp: 2043031

Ion Ratio Lower Upper

131 100

133 95.6 76.2 114.4

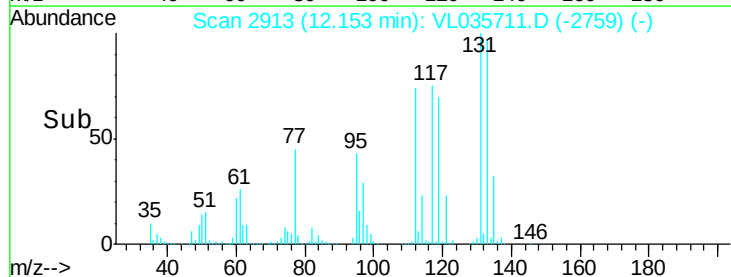
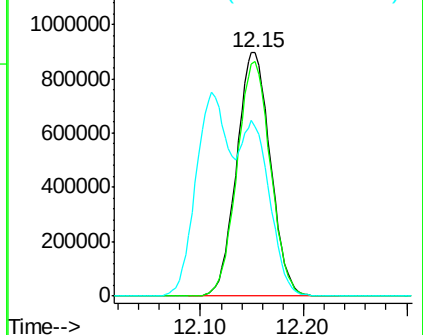
119 58.4 52.4 78.6

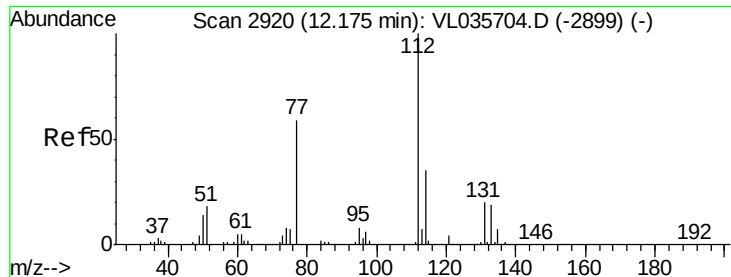


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





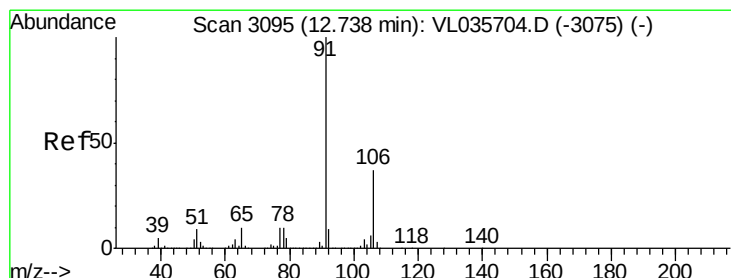
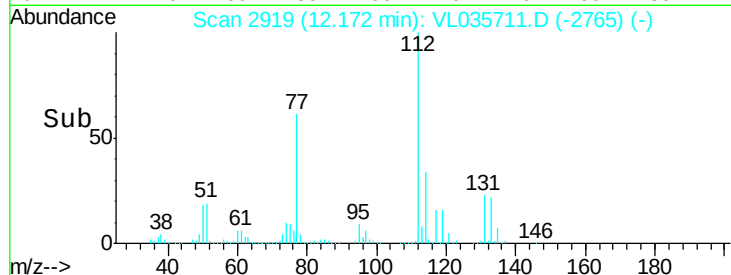
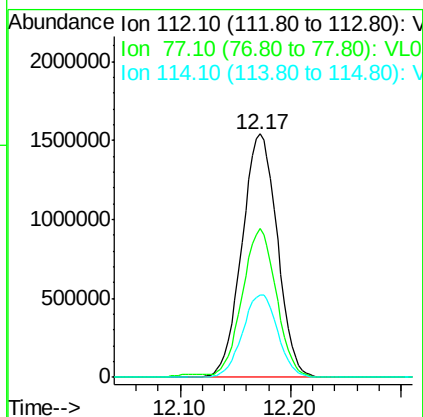
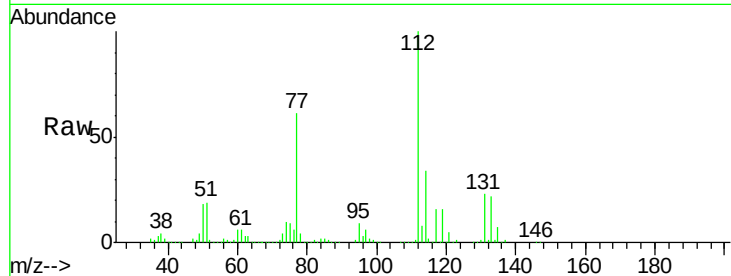
#57
Chlorobenzene
Concen: 9.263 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion: 112 Resp: 3418929
Ion Ratio Lower Upper
112 100
77 61.0 48.2 72.2
114 33.8 31.9 39.1

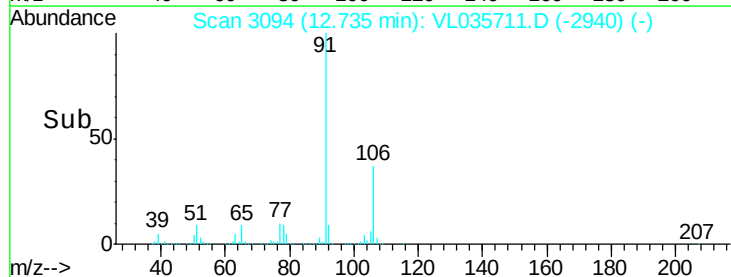
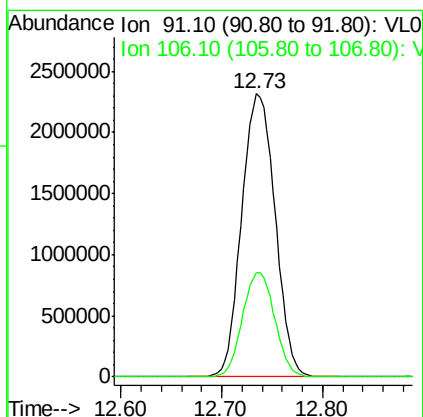
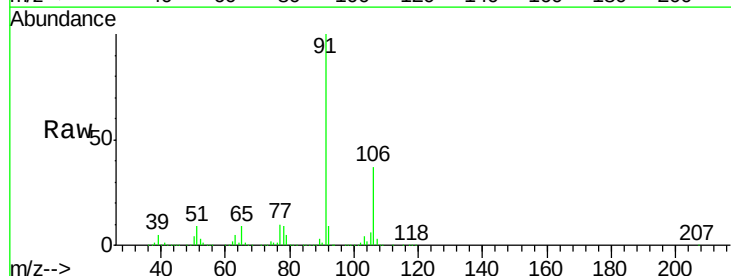
Manual Integrations
APPROVED

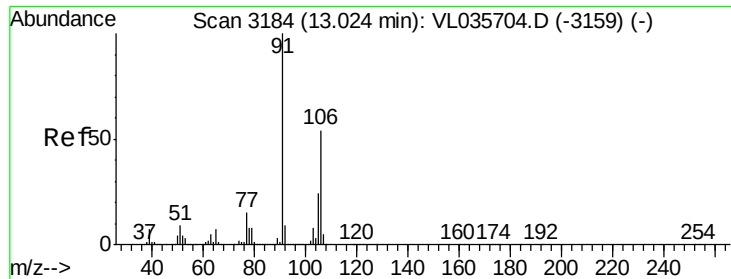
MMDadoda
9/24/2020 1:35:26 PM



#58
Ethyl Benzene
Concen: 10.826 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 5309498
Ion Ratio Lower Upper
91 100
106 37.0 29.7 44.5





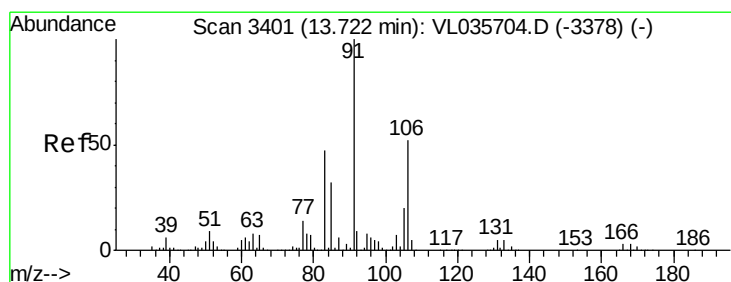
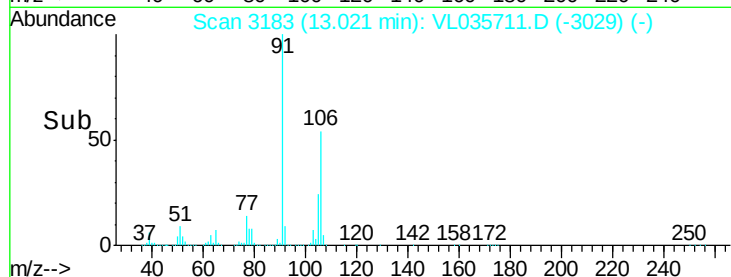
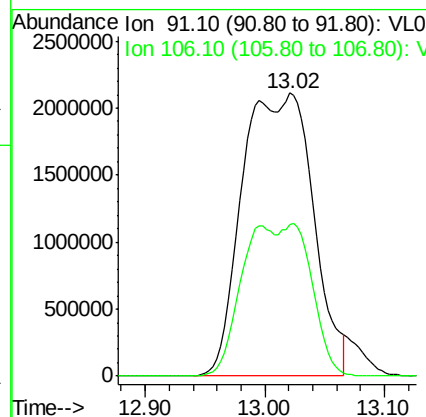
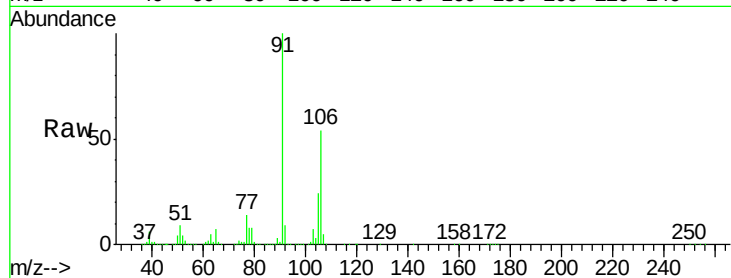
#59
m/p-Xylene
Concen: 20.287 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion: 91 Resp: 8689173
Ion Ratio Lower Upper
91 100
106 52.1 41.4 62.0

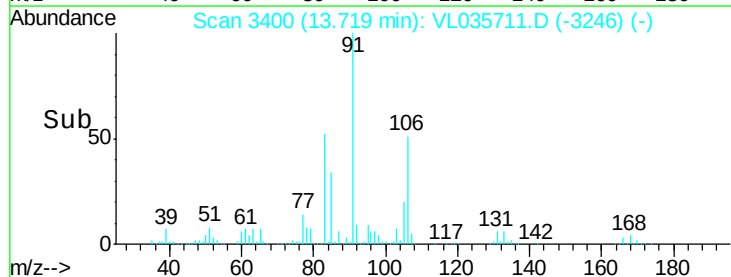
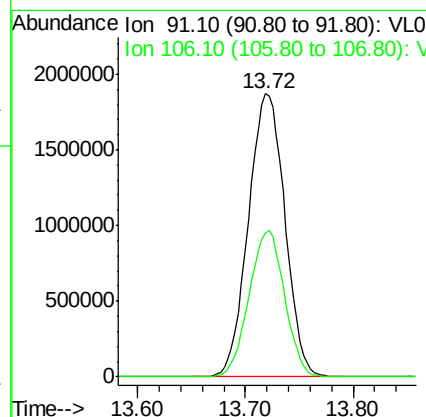
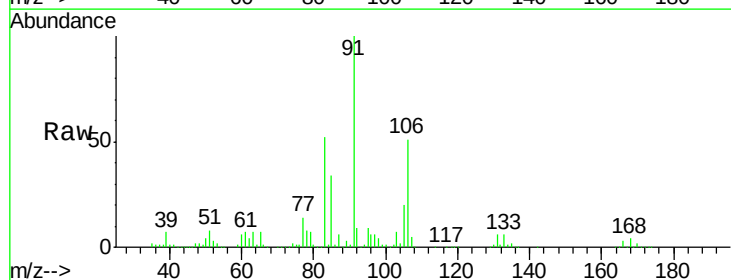
Manual Integrations
APPROVED

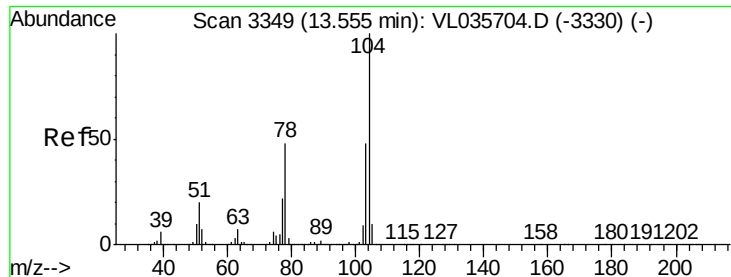
MMDadoda
9/24/2020 1:35:26 PM



#60
o-Xylene
Concen: 10.136 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 4391564
Ion Ratio Lower Upper
91 100
106 50.4 25.0 75.0





#61

Stvrene

Concen: 11.637 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion:104 Resp: 3486186

Ion Ratio Lower Upper

104 100

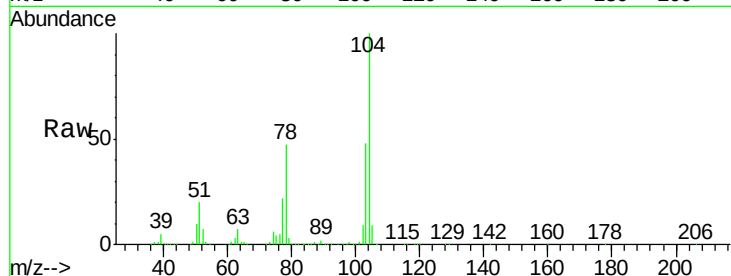
78 45.9 37.2 55.8

103 47.9 38.2 57.2

Manual Integrations
APPROVED

MMDadoda

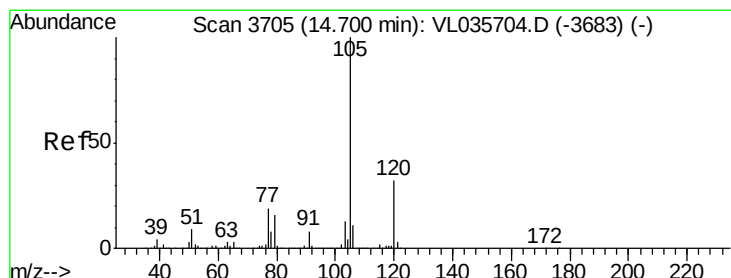
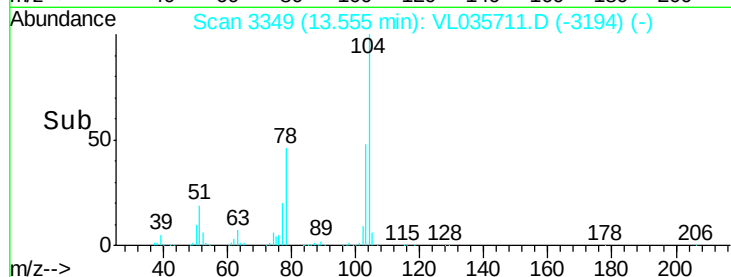
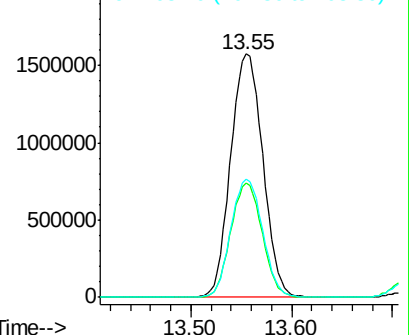
9/24/2020 1:35:26 PM



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: 9.830 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035711.D

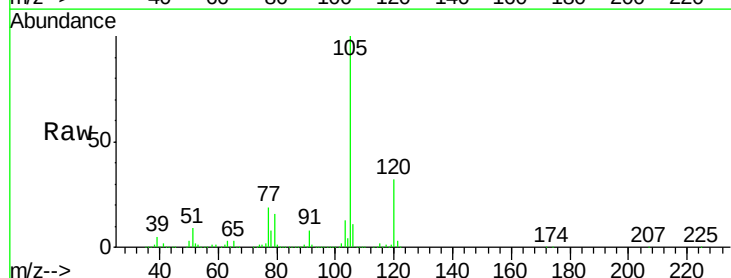
Acq: 23 Sep 2020 7:49

Tgt Ion:105 Resp: 6606381

Ion Ratio Lower Upper

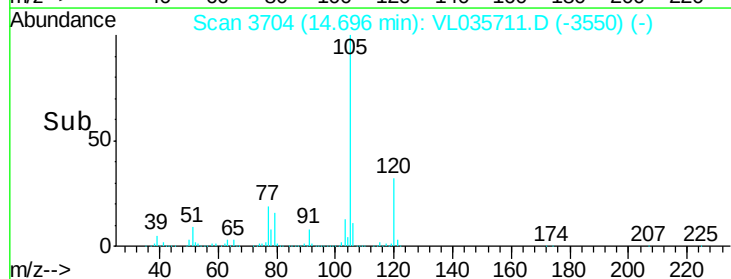
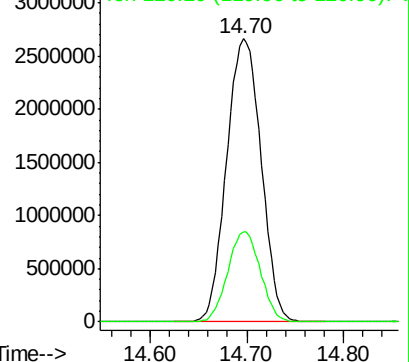
105 100

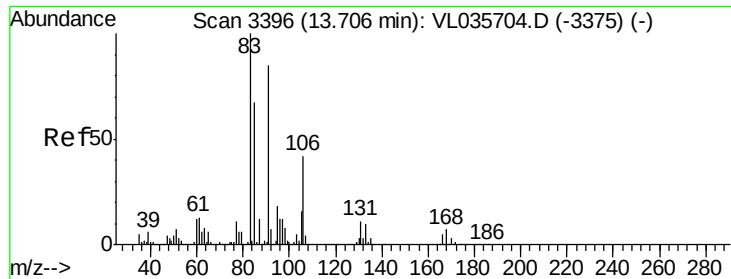
120 30.1 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





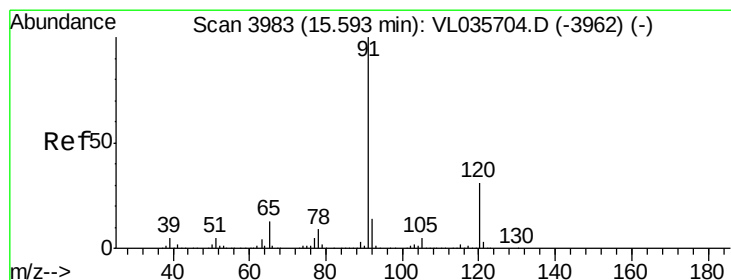
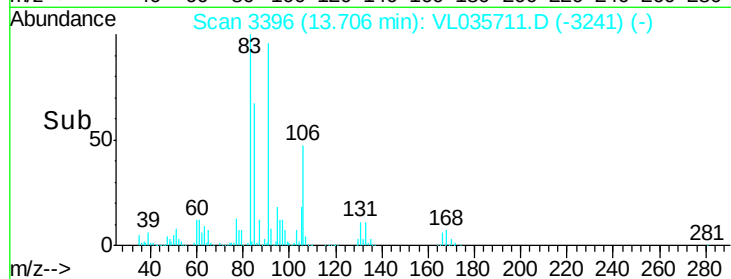
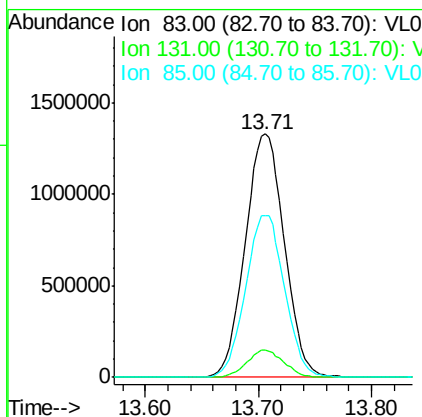
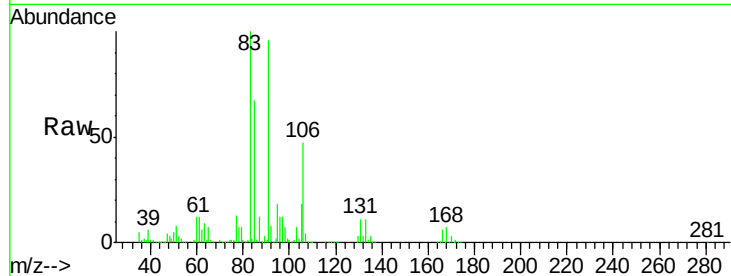
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.997 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	83	Resp	3196503
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	66.5	33.4	100.2

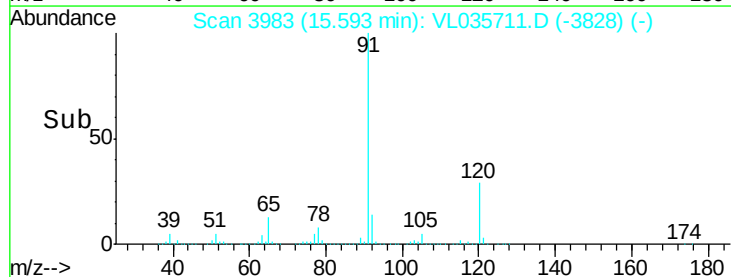
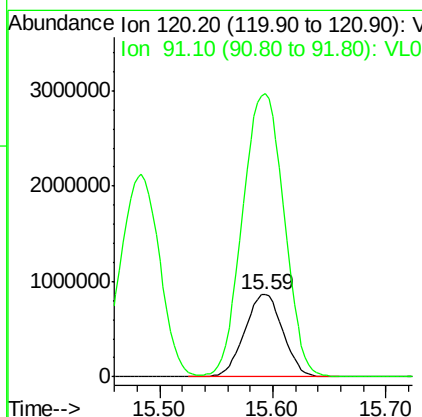
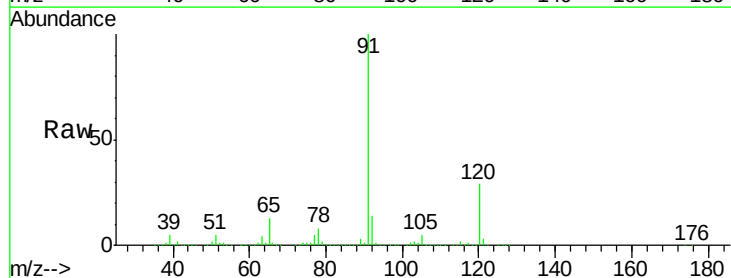
Manual Integrations
 APPROVED

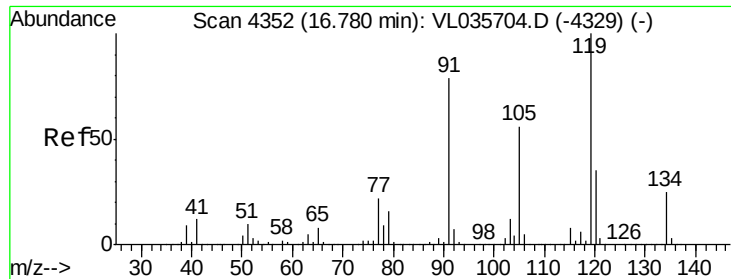
MMDadoda
 9/24/2020 1:35:26 PM



#64
 n-propylbenzene
 Concen: 10.330 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	120	Resp	2031767
Ion	Ratio	Lower	Upper
120	100		
91	374.2	300.4	450.6





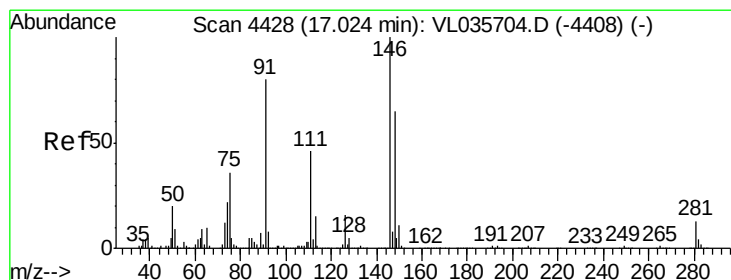
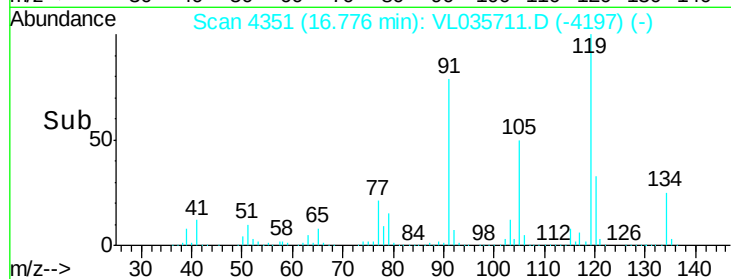
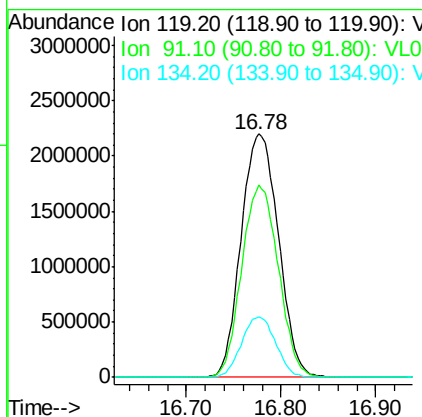
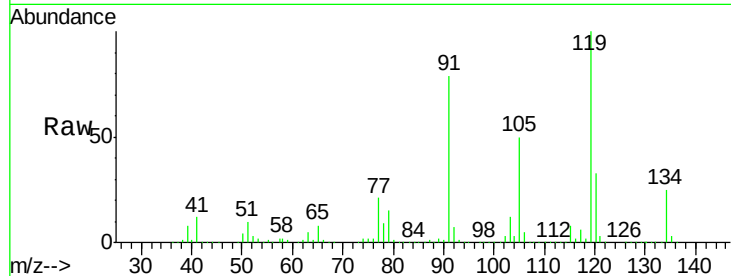
#65
 tert-Butylbenzene
 Concen: 9.891 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion:119 Resp: 6043441
 Ion Ratio Lower Upper
 119 100
 91 77.4 62.4 93.6
 134 22.7 18.2 27.2

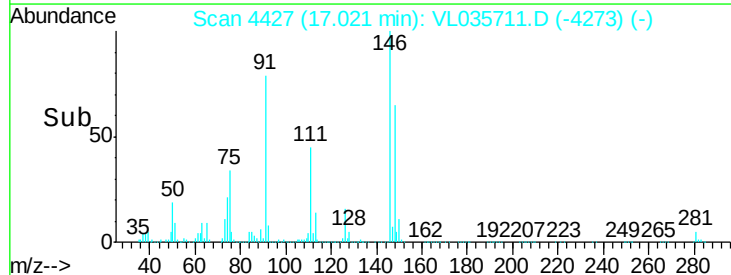
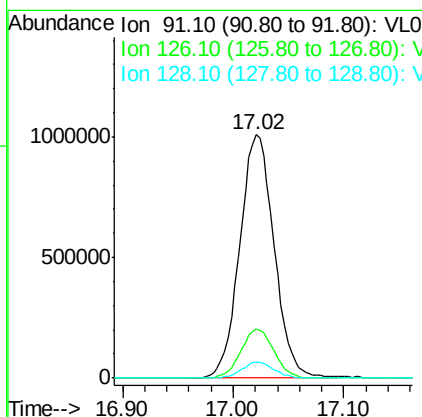
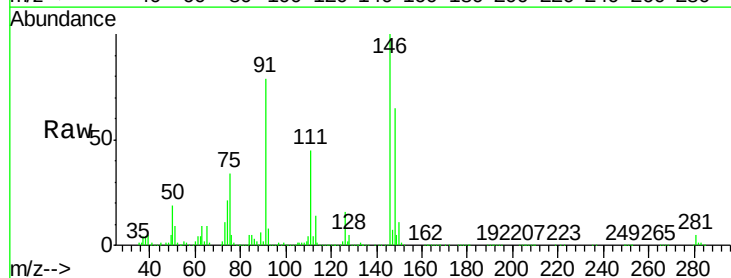
Manual Integrations
 APPROVED

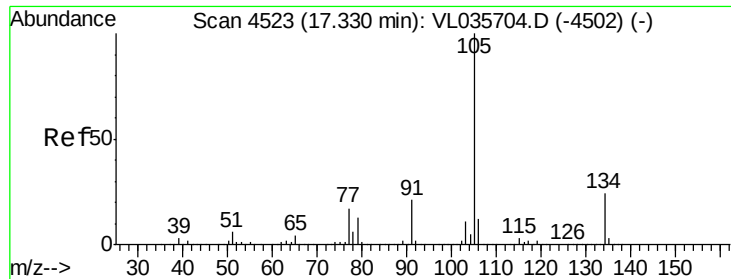
MMDadoda
 9/24/2020 1:35:26 PM



#66
 Benzyl Chloride
 Concen: 11.750 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 2175244
 Ion Ratio Lower Upper
 91 100
 126 19.4 15.3 22.9
 128 6.3 5.0 7.4





#67

sec-Butylbenzene

Concen: 9.525 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion:105 Resp: 8036952

Ion Ratio Lower Upper

105 100

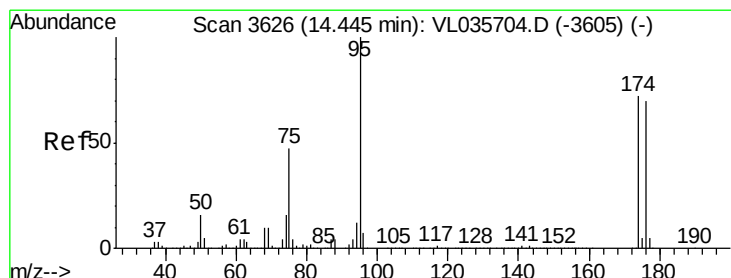
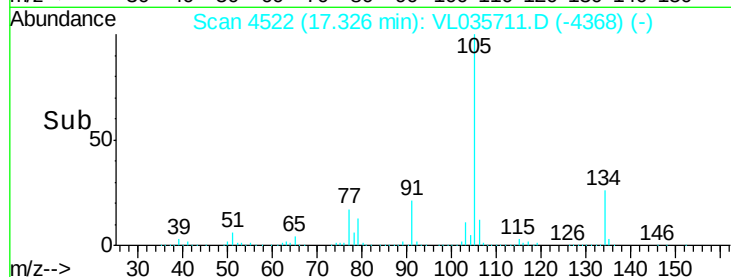
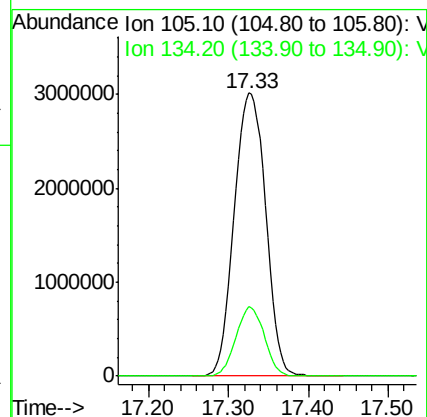
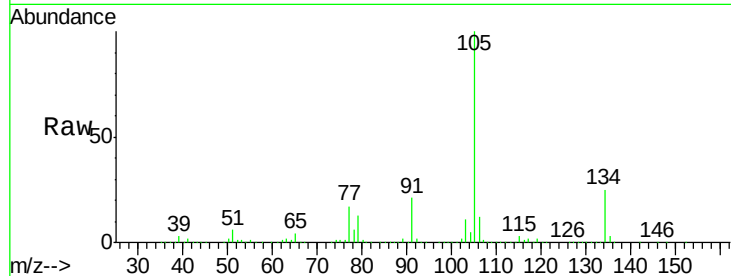
134 22.1 17.6 26.4

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.018 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

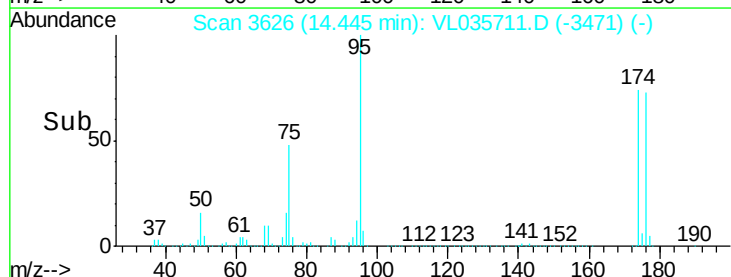
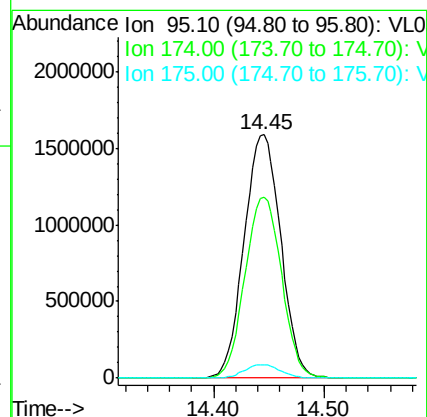
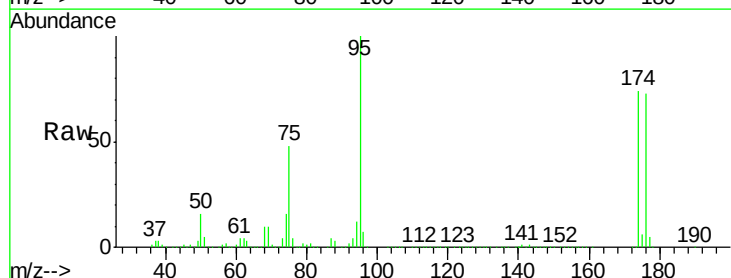
Tgt Ion: 95 Resp: 3668254

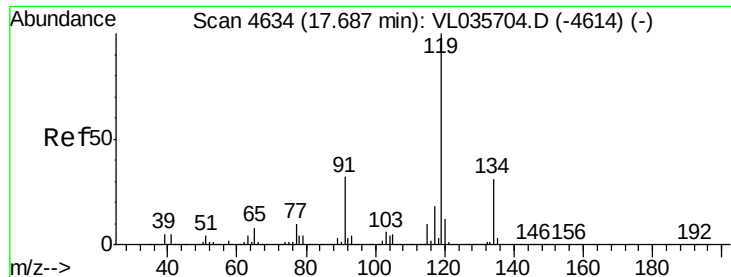
Ion Ratio Lower Upper

95 100

174 74.7 59.6 89.4

175 5.4 4.2 6.4





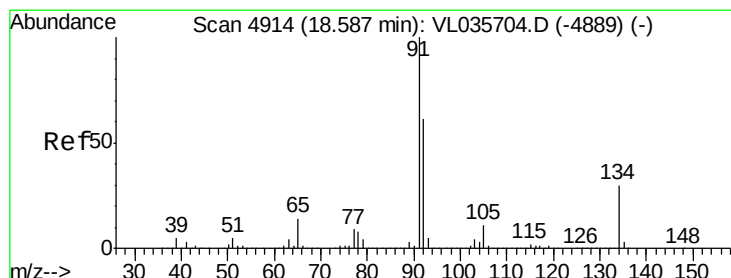
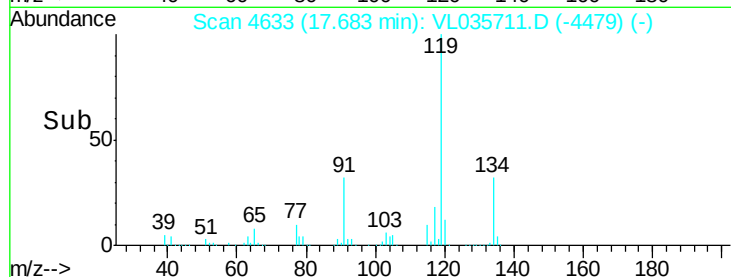
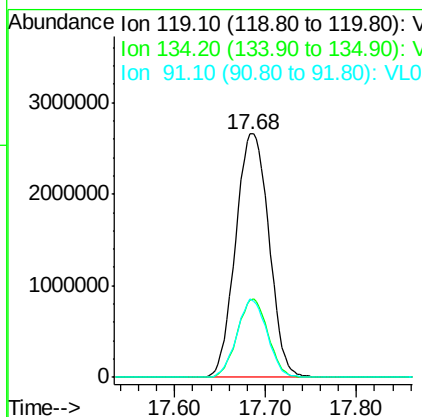
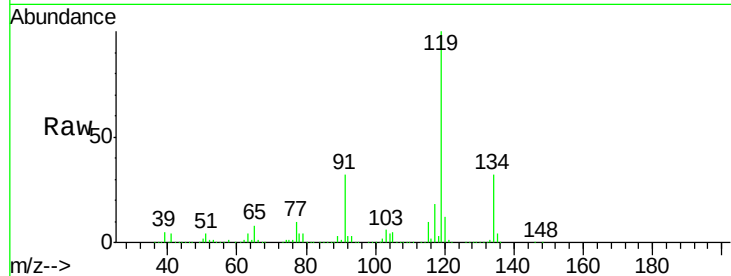
#69
 p-Isopropyltoluene
 Concen: 9.865 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion: 119 Resp: 6772129
 Ion Ratio Lower Upper
 119 100
 134 29.7 23.9 35.9
 91 29.1 23.8 35.6

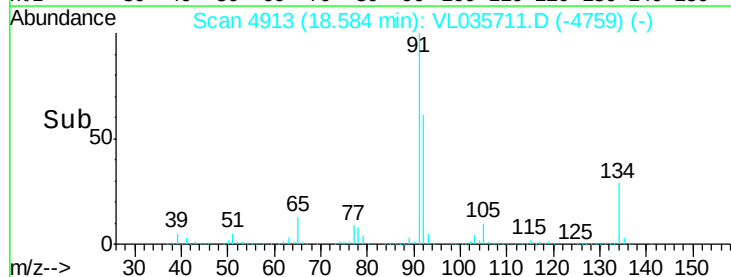
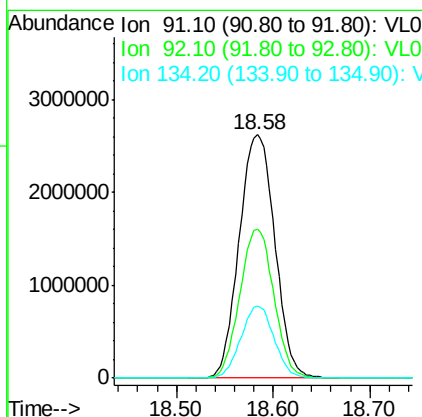
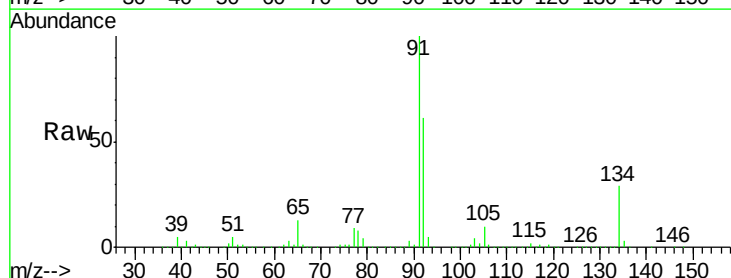
Manual Integrations
 APPROVED

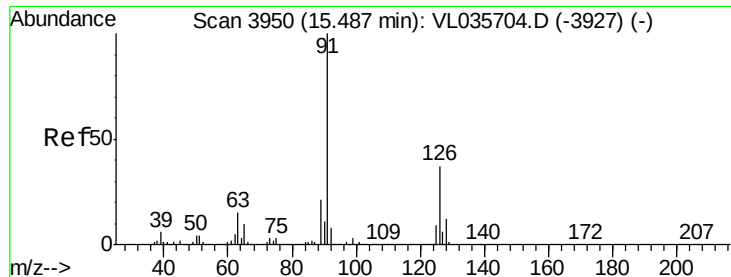
MMDadoda
 9/24/2020 1:35:26 PM



#70
 n-Butylbenzene
 Concen: 9.474 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion: 91 Resp: 6697357
 Ion Ratio Lower Upper
 91 100
 92 58.7 47.0 70.4
 134 27.5 21.9 32.9





#71

2-Chlorotoluene

Concen: 10.315 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion: 91 Resp: 5056637

Ion Ratio Lower Upper

91 100

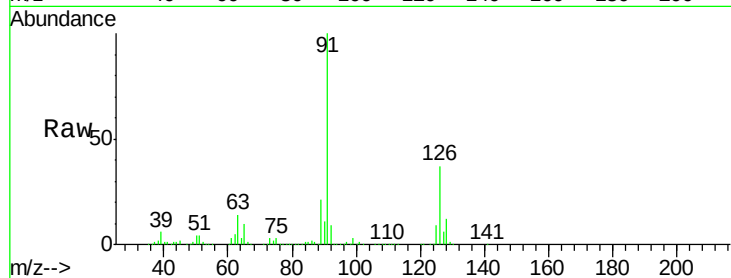
126 36.1 14.4 57.4

Manual Integrations

APPROVED

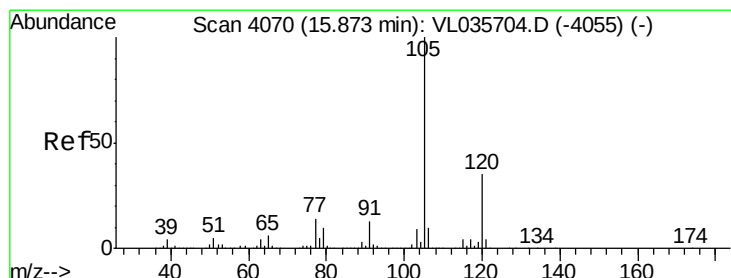
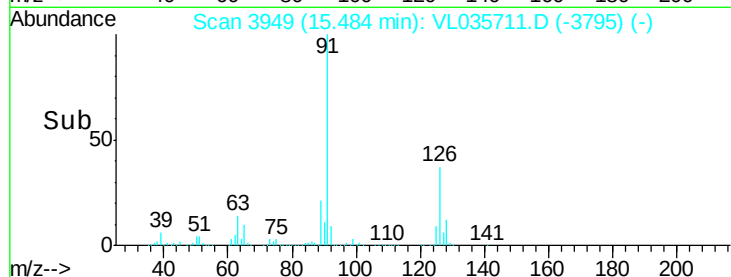
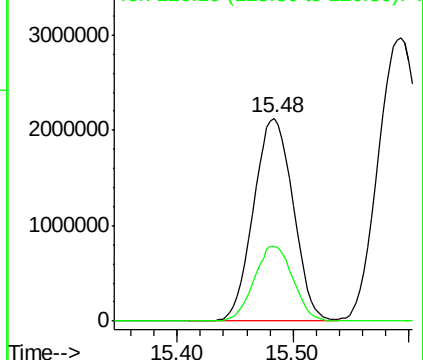
MMDadoda

9/24/2020 1:35:26 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.448 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:105 Resp: 5362347

Ion Ratio Lower Upper

105 100

120 33.1 26.5 39.7

91 12.6 10.2 15.2

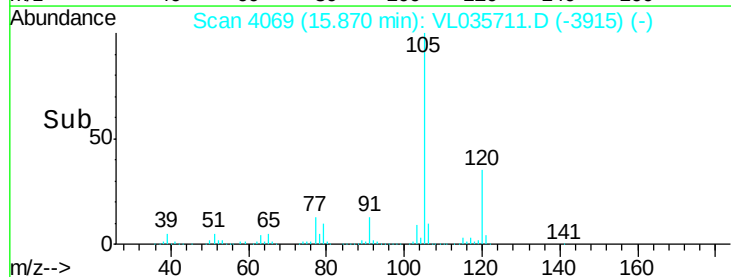
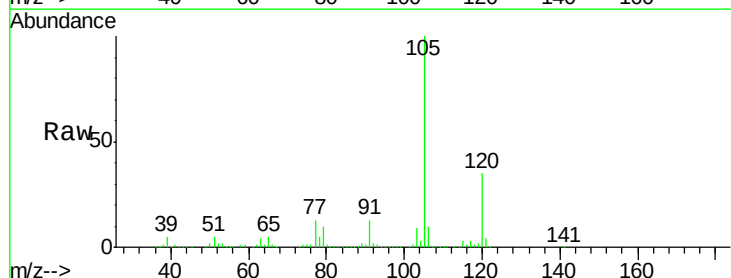
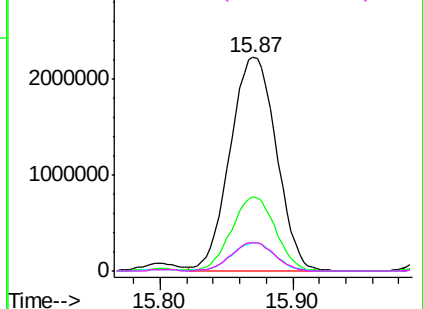
77 12.7 10.3 15.5

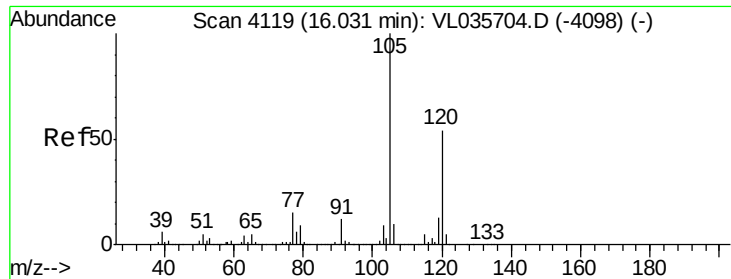
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.259 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Instrument :

MSVOA_L

ClientSampleId :

ICVVL092320

Tot Ion:105 Resp: 4975713

Ion Ratio Lower Upper

105 100

120 53.3

43.0

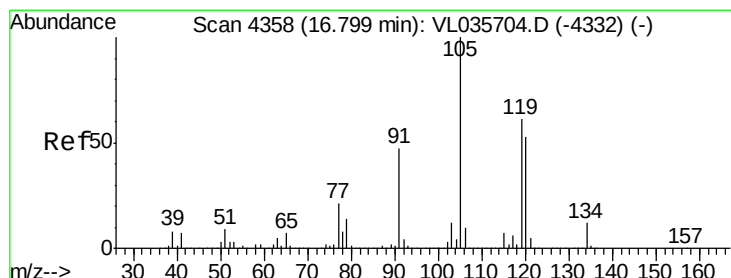
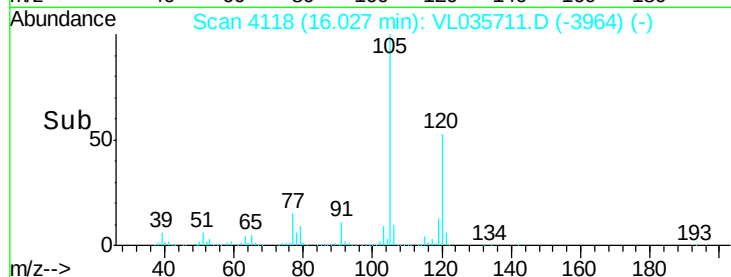
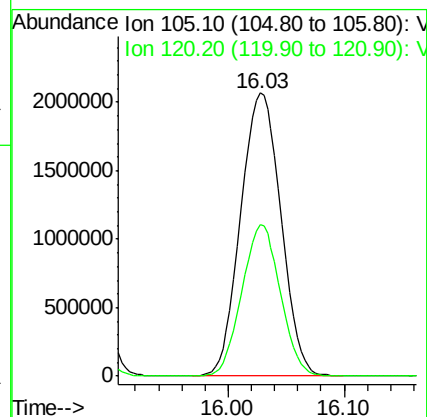
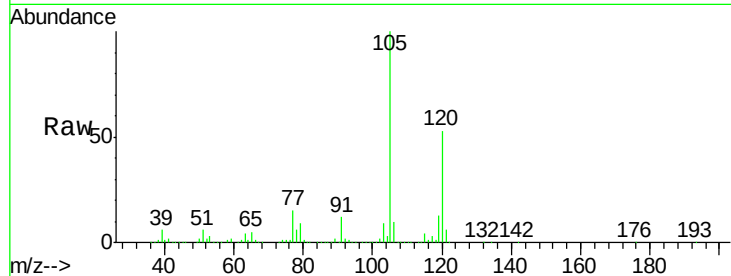
64.4

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:35:26 PM



#74

1,2,4-Trimethylbenzene

Concen: 9.427 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL035711.D

Acq: 23 Sep 2020 7:49

Tgt Ion:105 Resp: 5154420

Ion Ratio Lower Upper

105 100

120 53.0

42.5

63.7

91 49.7

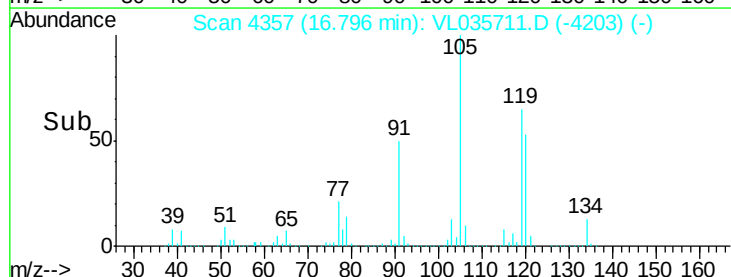
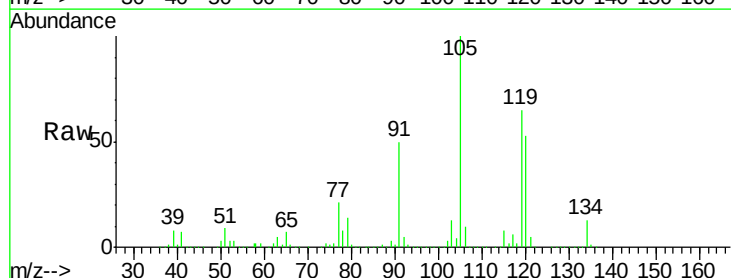
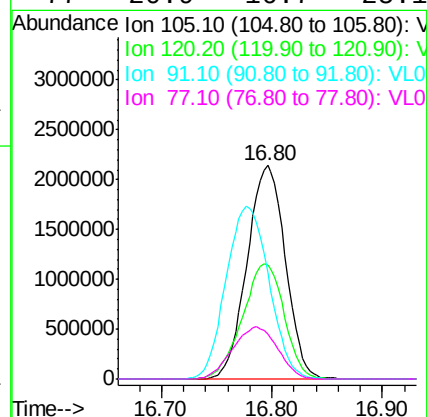
37.7

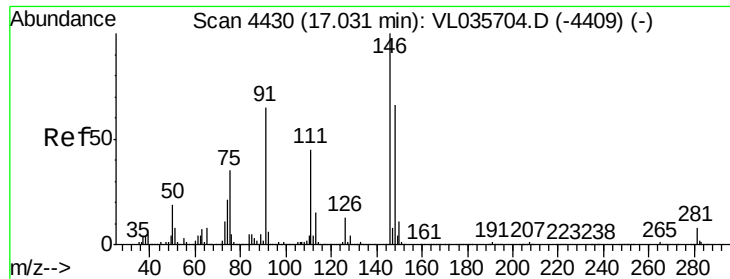
56.5

77 20.9

16.7

25.1





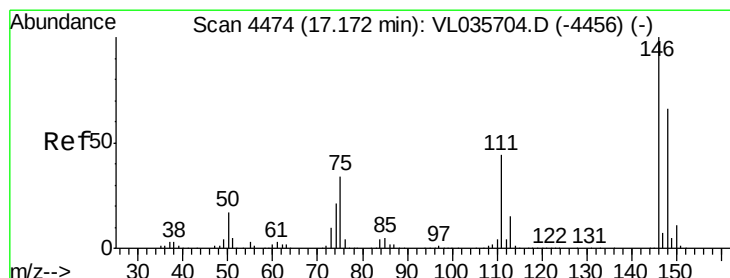
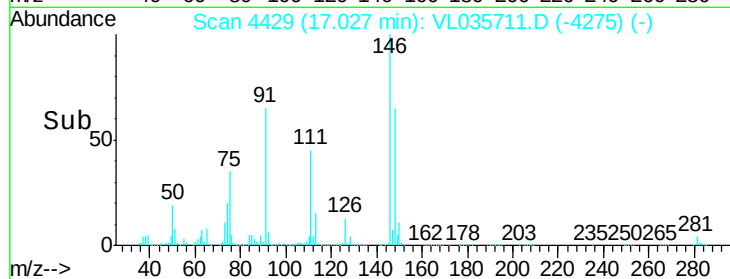
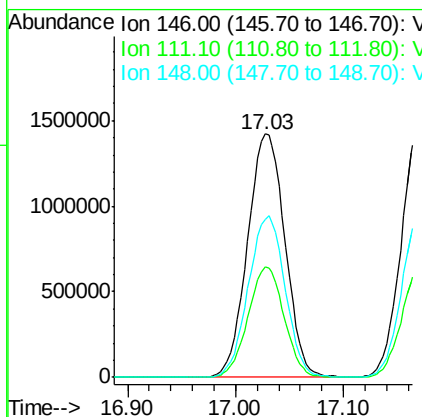
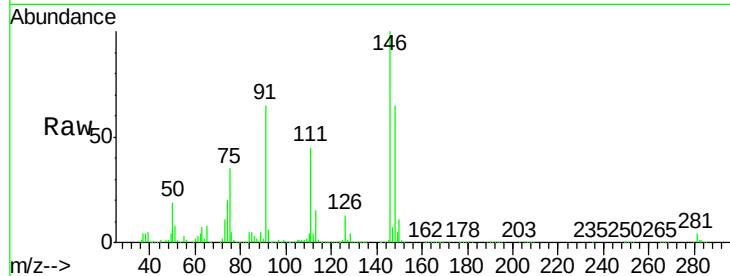
#75
 1,3-Dichlorobenzene
 Concen: 9.174 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.0
148	65.4	33.0	99.0

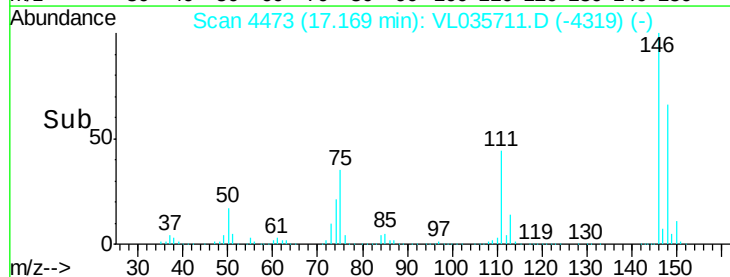
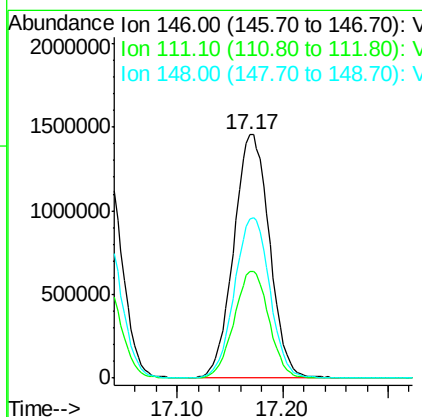
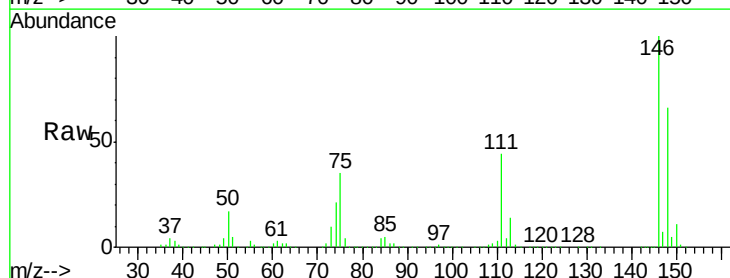
Manual Integrations
 APPROVED

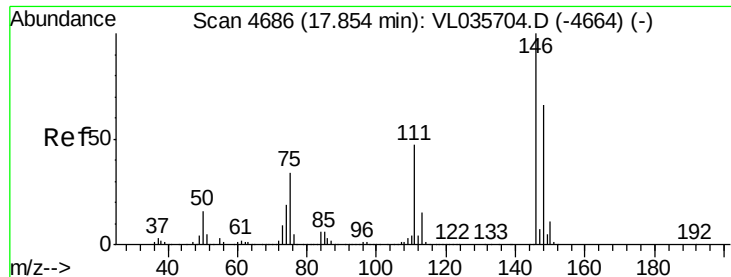
MMDadoda
 9/24/2020 1:35:26 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.563 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	65.7	32.6	98.0





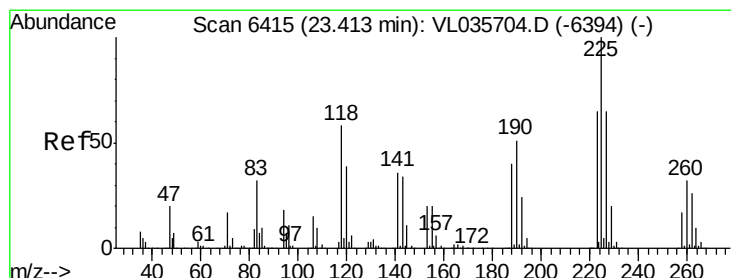
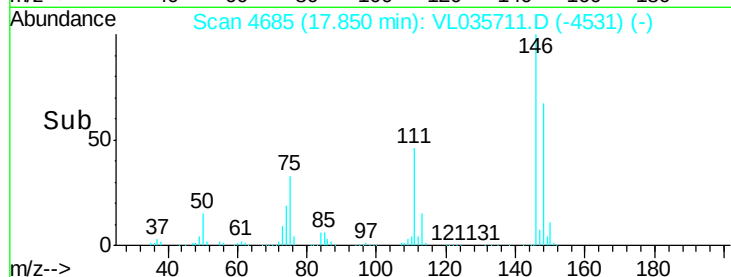
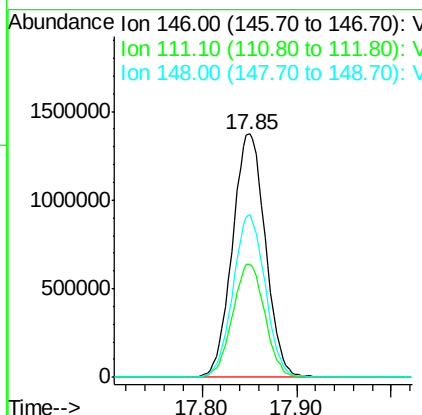
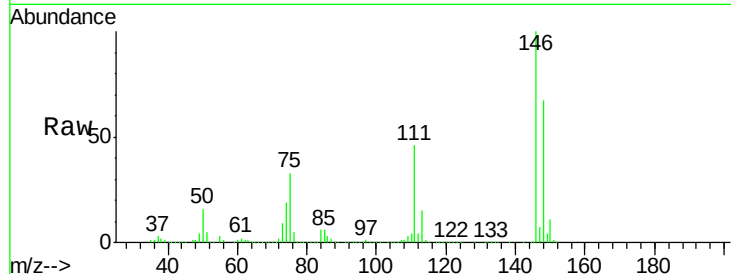
#77
 1,2-Dichlorobenzene
 Concen: 9.434 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.9	68.5
148	65.2	32.6	98.0

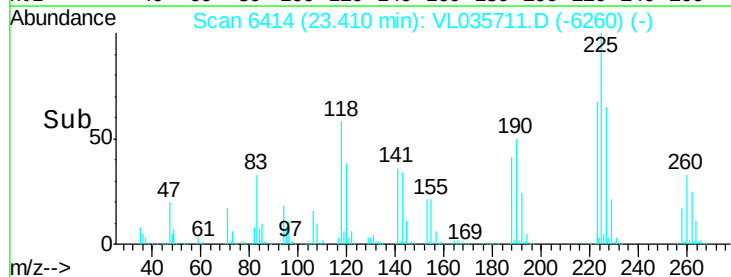
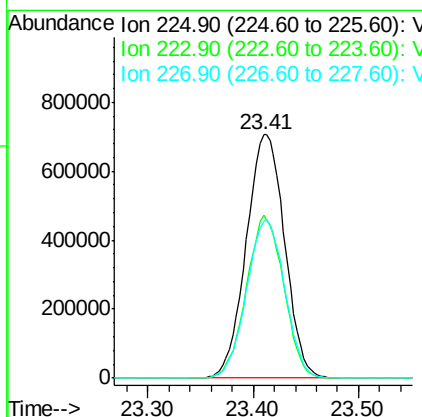
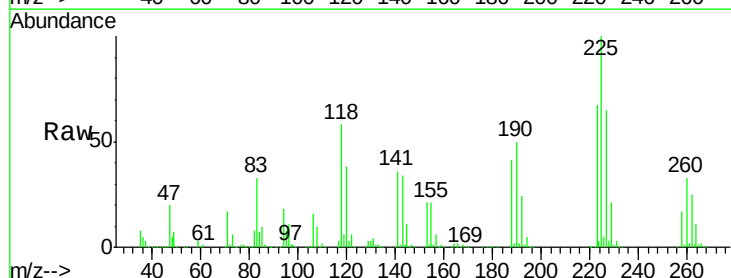
Manual Integrations
 APPROVED

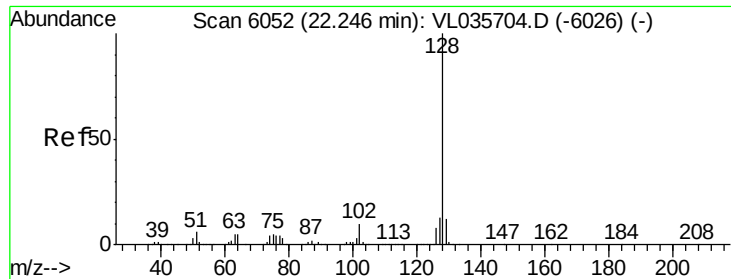
MMDadoda
 9/24/2020 1:35:26 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.198 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.3	76.9
227	64.6	51.6	77.4





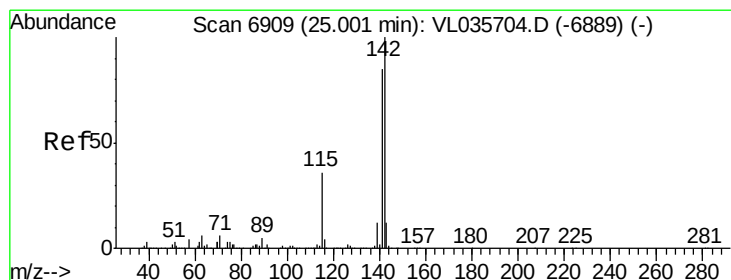
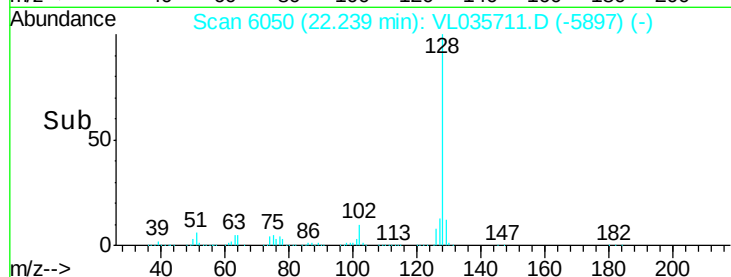
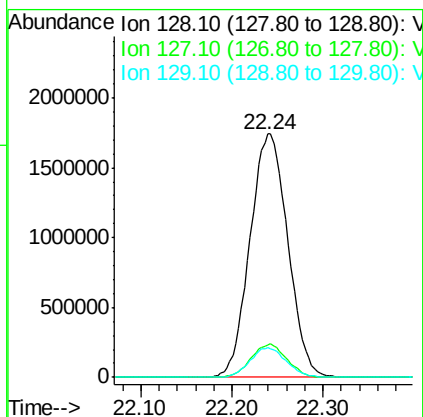
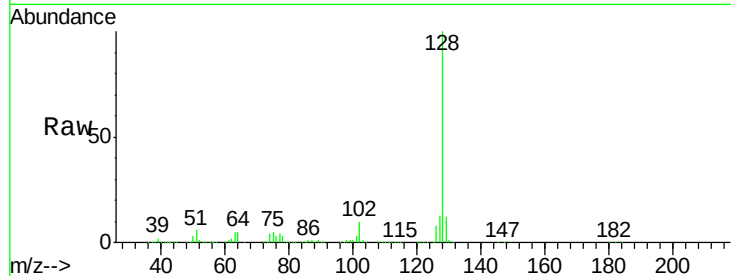
#79
Naphthalene
Concen: 9.649 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. -0.01 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Instrument :
MSVOA_L
ClientSampleId :
ICVVL092320

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	12.2	9.4	14.0

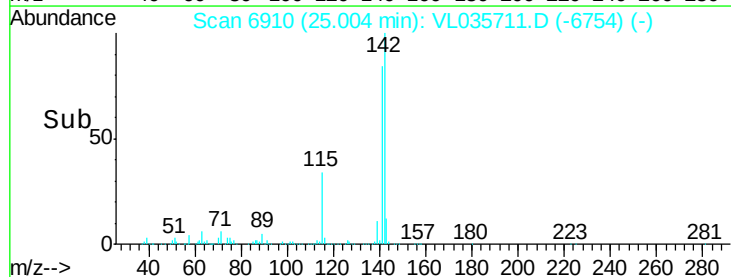
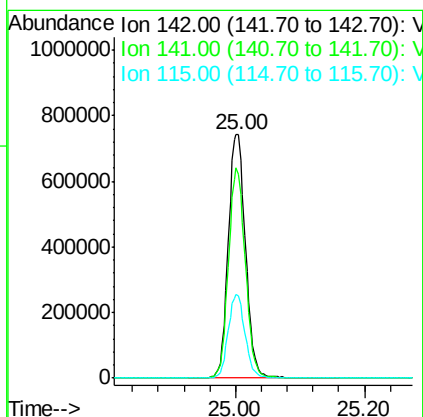
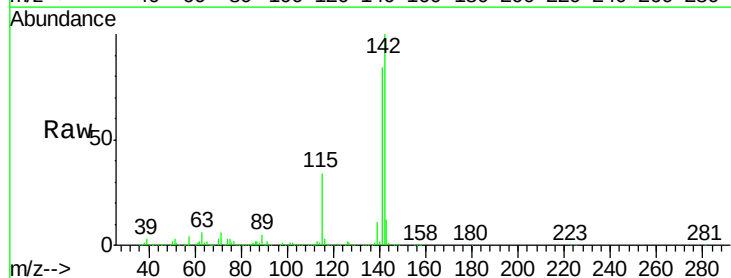
Manual Integrations
APPROVED

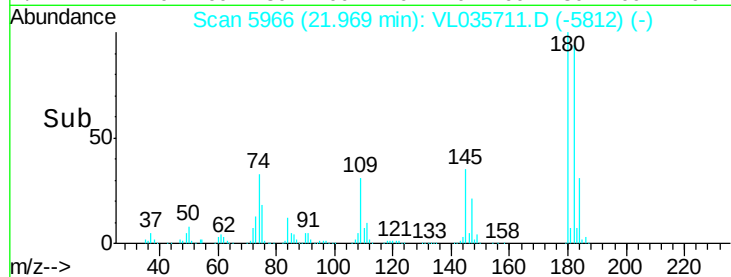
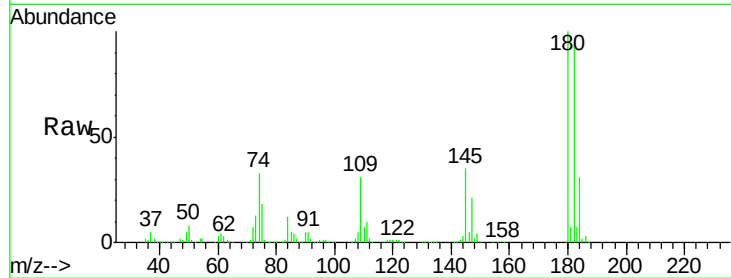
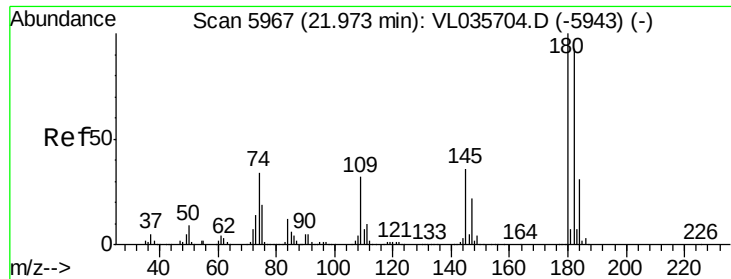
MMDadoda
9/24/2020 1:35:26 PM



#80
Naphthalene, 2-methyl-
Concen: 11.214 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL035711.D
Acq: 23 Sep 2020 7:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.2	102.4
115	33.7	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.666 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL035711.D
 Acq: 23 Sep 2020 7:49

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL092320

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
184	30.9	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:26 PM

