

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035702.D
 Acq On : 22 Sep 2020 8:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:06:11 PM

Quant Time: Sep 22 09:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 09:14:49 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1048669	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4081504	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	4180146	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2999811	10.11	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1343333	7.392	ppbv	99
3) Chlorodifluoromethane	2.97	51	1226982	10.579	ppbv	99
4) Chloromethane	3.12	50	658492	10.597	ppbv	100
5) Vinyl Chloride	3.24	62	774133	10.105	ppbv	100
6) Bromomethane	3.46	94	671974	10.443	ppbv	97
7) Chloroethane	3.54	64	293991	10.855	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	2100314	9.543	ppbv	91
9) Propene	2.99	41	474105	10.603	ppbv	99
10) Heptane	8.11	43	1372551	11.429	ppbv	99
11) Trichlorofluoromethane	3.93	101	2617717	9.877	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1969410	9.846	ppbv	92
13) Ethanol	3.59	45	104793	9.453	ppbv	99
14) Bromoethene	3.72	108	878119	10.199	ppbv	99
15) Acetone	3.83	43	1075754	9.301	ppbv	98
16) 1,3-Butadiene	3.31	39	488573	11.348	ppbv	98
17) tert-Butyl alcohol	4.28	59	1393271	9.897	ppbv	100
18) 1,1-Dichloroethene	4.27	96	919870	10.443	ppbv	96
19) Isopropyl Alcohol	3.95	45	674245	9.772	ppbv #	97
20) Methylene Chloride	4.33	84	791862	9.193	ppbv	95
21) Allyl Chloride	4.40	41	643923	11.884	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	960507	10.243	ppbv	93
23) Vinyl Acetate	5.06	43	1697397	11.434	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1640759	10.740	ppbv	100
25) Ethyl Acetate	5.66	43	2278402	11.151	ppbv	99
26) Hexane	5.68	57	1270931	10.978	ppbv	98
27) Carbon Disulfide	4.54	76	2035251	12.251	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2145882	10.635	ppbv	98
29) Chloroform	5.74	83	2488939	10.552	ppbv	100
30) Cyclohexane	7.12	84	1368845	11.037	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	1353802	11.398	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2420451	10.578	ppbv	98
34) 2-Butanone	5.23	43	1537269	12.691	ppbv	97
35) Carbon Tetrachloride	7.01	117	2497070	12.173	ppbv	100
36) Benzene	6.88	78	3122956	11.820	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1542780	12.248	ppbv	98
38) Trichloroethene	7.83	130	1720029	11.208	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1077625	12.074	ppbv	98
40) 1,4-Dioxane	7.82	88	508190	11.398	ppbv	67
41) Tetrahydrofuran	6.04	42	859863	13.387	ppbv	97
42) Bromodichloromethane	7.79	83	2603938	12.784	ppbv	99
43) Methyl Methacrylate	8.01	69	1332802	13.046	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035702.D
 Acq On : 22 Sep 2020 8:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

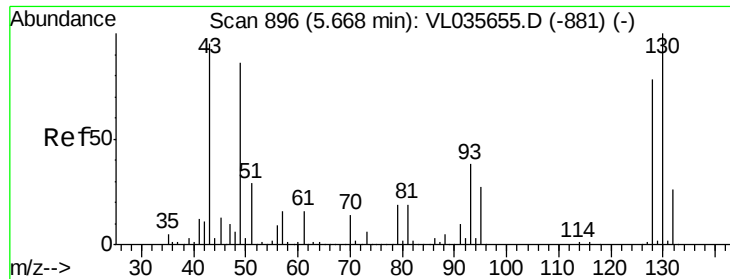
Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:06:11 PM

Quant Time: Sep 22 09:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 22 09:14:49 2020
 QLast Update : Tue Sep 22 01:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4226545	12.158	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1507998	14.571	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1777718	13.835	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1536532	11.667	ppbv	96
48) Dibromochloromethane	10.30	129	2564864	12.375	ppbv	100
49) Bromoform	13.04	173	2301245	12.251	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2274885	12.970	ppbv	99
51) 2-Hexanone	10.13	43	1936499	13.459	ppbv #	97
52) Tetrachloroethene	11.22	164	2504012	16.223	ppbv	95
53) Toluene	9.80	91	3938112	11.853	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2415721	11.609	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1988346	11.690	ppbv	99
57) Chlorobenzene	12.15	112	3323431	10.803	ppbv	96
58) Ethyl Benzene	12.71	91	5127699	11.896	ppbv	100
59) m/p-Xylene	13.00	91	8824179m	24.499	ppbv	
60) o-Xylene	13.70	91	4318561	11.904	ppbv	97
61) Styrene	13.53	104	3404159	12.269	ppbv	98
62) Isopropylbenzene	14.67	105	6460079	11.086	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3156364	11.222	ppbv	99
64) n-propylbenzene	15.57	120	1999643	11.244	ppbv	87
65) tert-Butylbenzene	16.75	119	5988379	11.055	ppbv	95
66) Benzyl Chloride	17.00	91	2408410	17.889	ppbv	96
67) sec-Butylbenzene	17.30	105	8029156	11.125	ppbv	96
69) p-Isopropyltoluene	17.66	119	6858570	10.834	ppbv	97
70) n-Butylbenzene	18.56	91	6948758	11.395	ppbv	97
71) 2-Chlorotoluene	15.46	91	5003281	11.790	ppbv	95
72) 4-Ethyltoluene	15.85	105	5345943	11.591	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4964703	11.639	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	5199331	11.099	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3475799	10.017	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3486817	10.189	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3409762	10.143	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1996770	9.303	ppbv	100
79) Naphthalene	22.21	128	5720187	11.005	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2046730	11.537	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2937651	9.438	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1048669

Ion Ratio Lower Upper

49 100

128 84.5 50.0 150.1

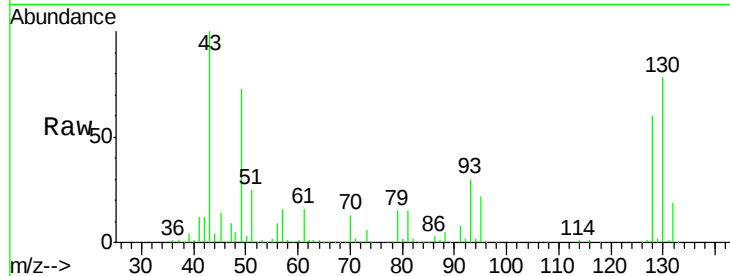
130 109.0 64.4 193.2

Manual Integrations

APPROVED

MMDadoda

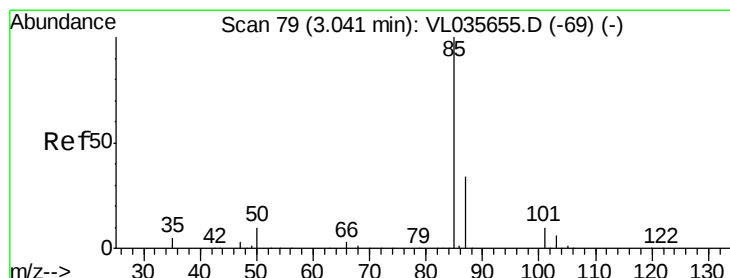
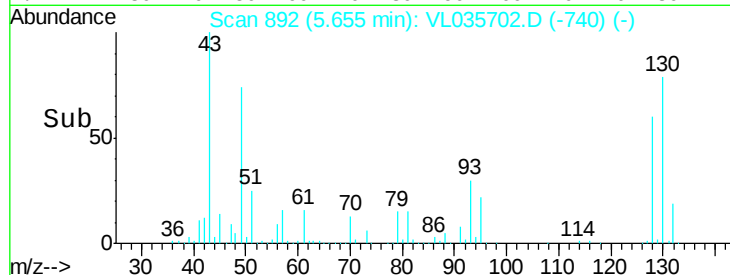
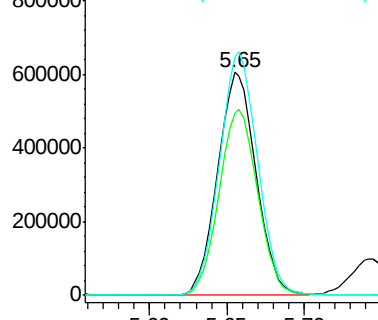
9/22/2020 2:06:11 PM



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: 7.392 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL035702.D

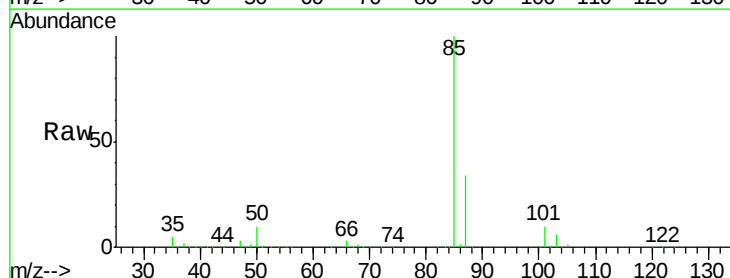
Acq: 22 Sep 2020 8:12

Tgt Ion: 85 Resp: 1343333

Ion Ratio Lower Upper

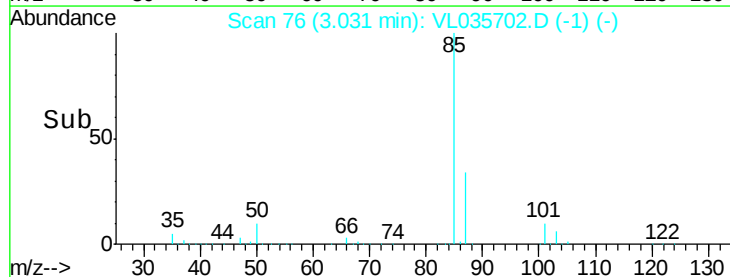
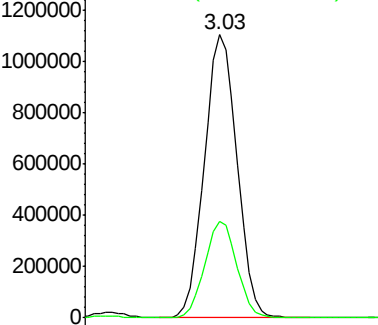
85 100

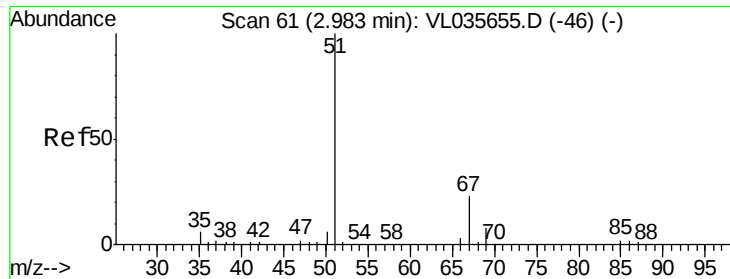
87 34.2 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.579 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1226982

Ion Ratio Lower Upper

51 100

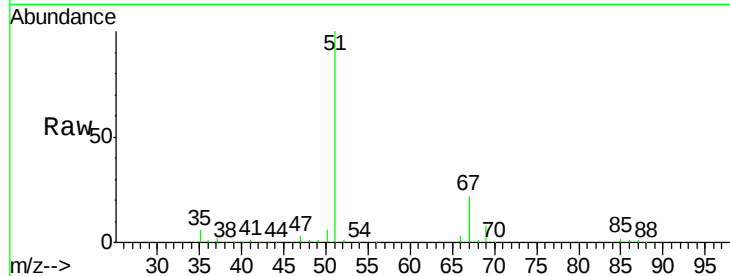
67 21.9 17.8 26.8

Manual Integrations

APPROVED

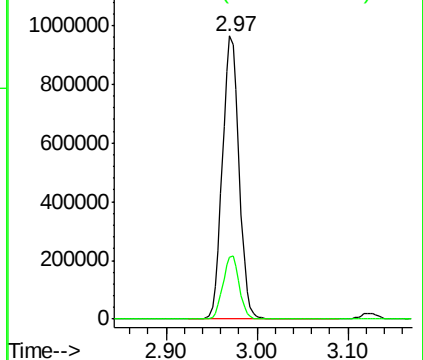
MMDadoda

9/22/2020 2:06:11 PM

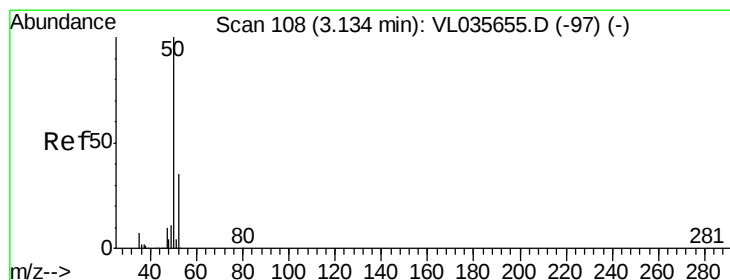
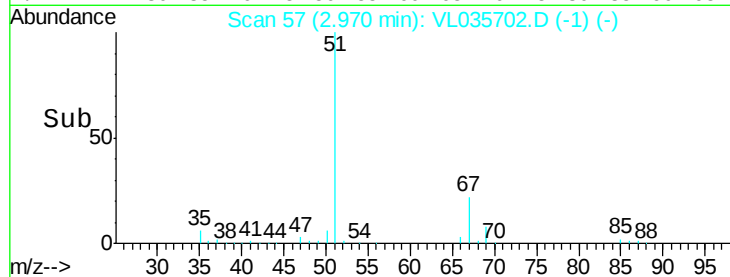


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



9/22/2020 2:06:11 PM



#4

Chloromethane

Concen: 10.597 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL035702.D

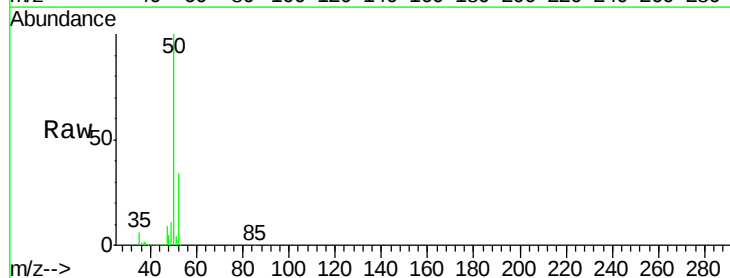
Acq: 22 Sep 2020 8:12

Tgt Ion: 50 Resp: 658492

Ion Ratio Lower Upper

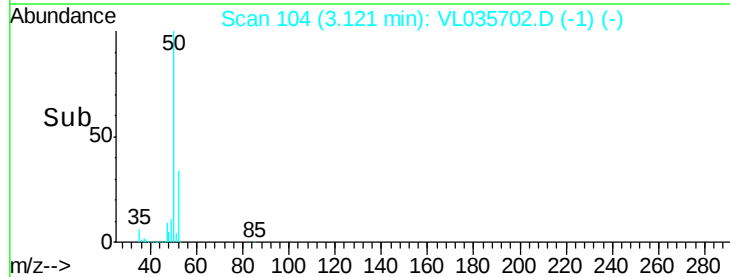
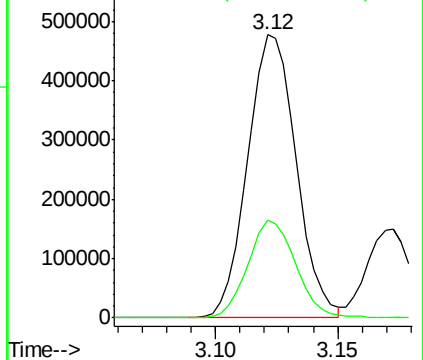
50 100

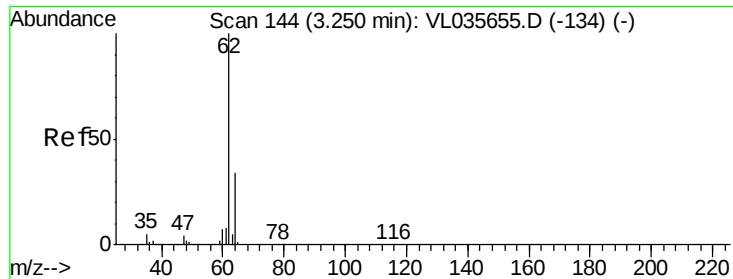
52 34.4 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.105 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 774133

Ion Ratio Lower Upper

62 100

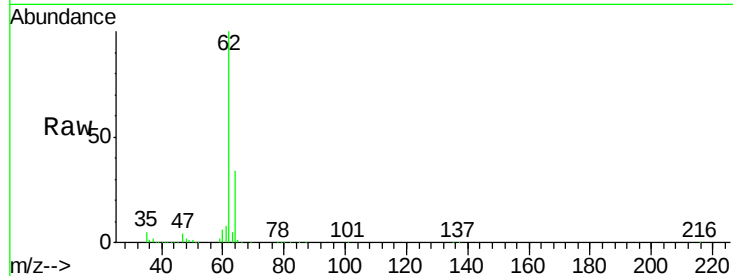
64 34.3 27.4 41.2

Manual Integrations

APPROVED

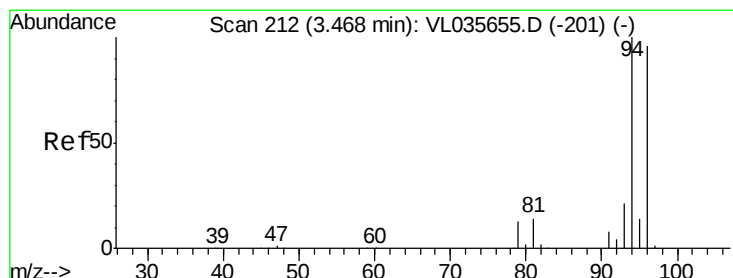
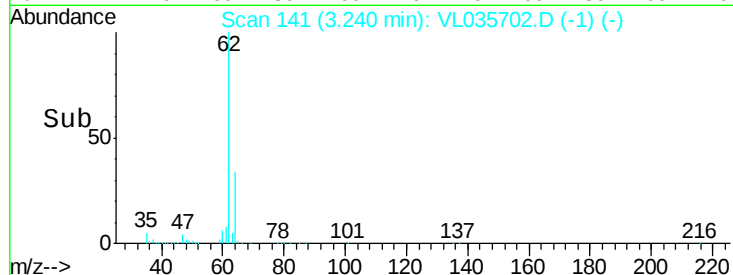
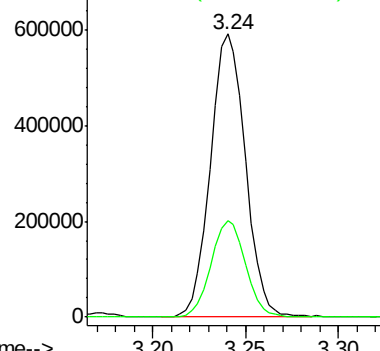
MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.443 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.01 min

Lab File: VL035702.D

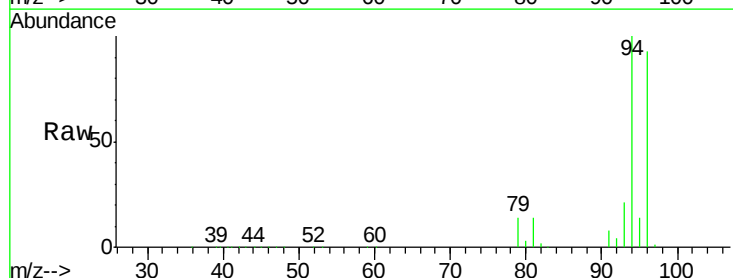
Acq: 22 Sep 2020 8:12

Tgt Ion: 94 Resp: 671974

Ion Ratio Lower Upper

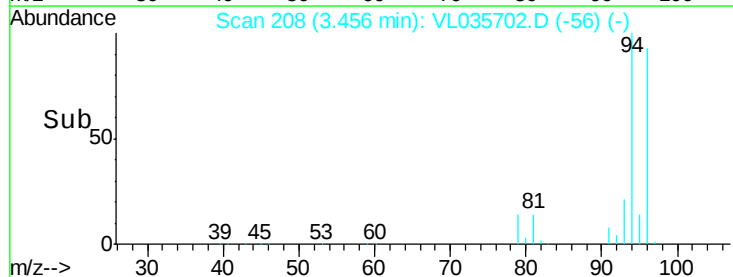
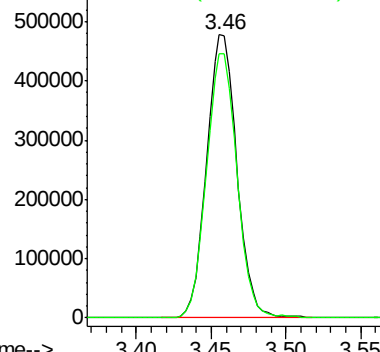
94 100

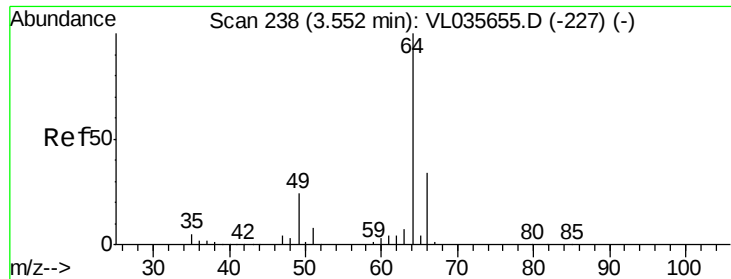
96 93.3 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.855 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 293991

Ion Ratio Lower Upper

64 100

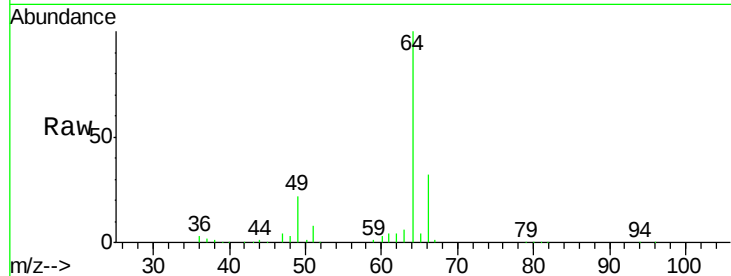
66 31.6 27.7 41.5

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

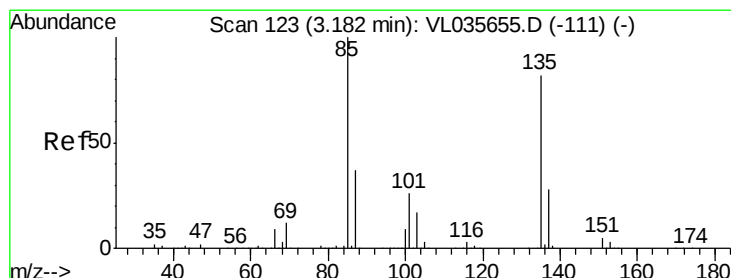
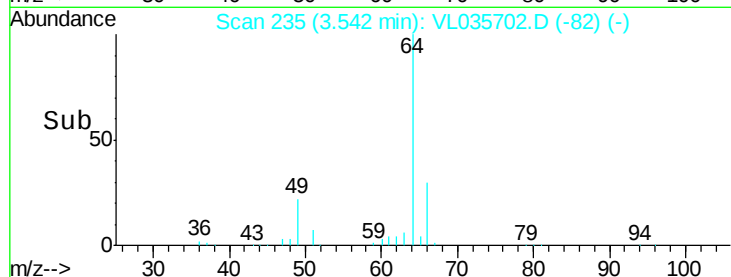
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.543 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL035702.D

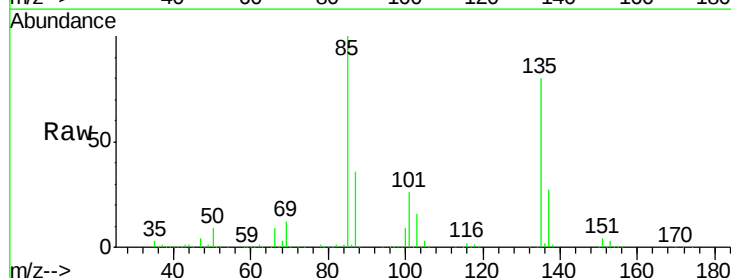
Acq: 22 Sep 2020 8:12

Tgt Ion: 85 Resp: 2100314

Ion Ratio Lower Upper

85 100

135 79.4 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

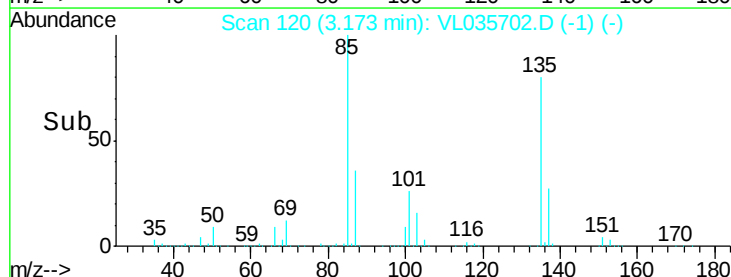
1500000

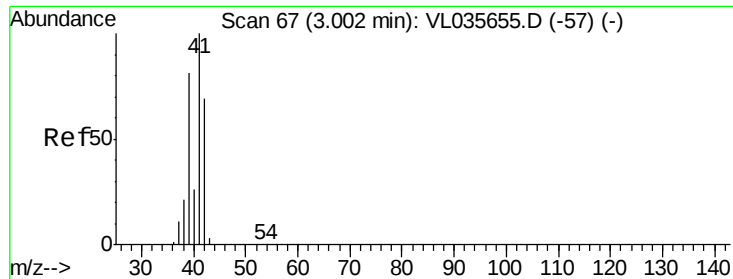
1000000

500000

0

Time-->





#9

Propene

Concen: 10.603 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 474105

Ion Ratio Lower Upper

41 100

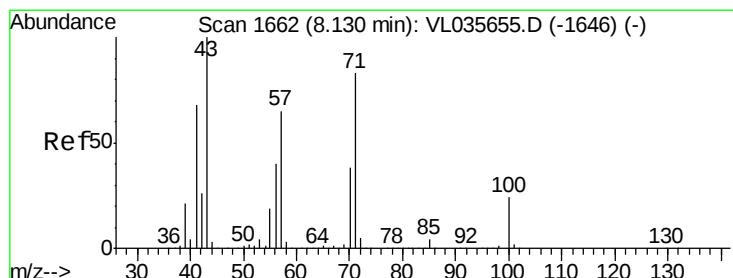
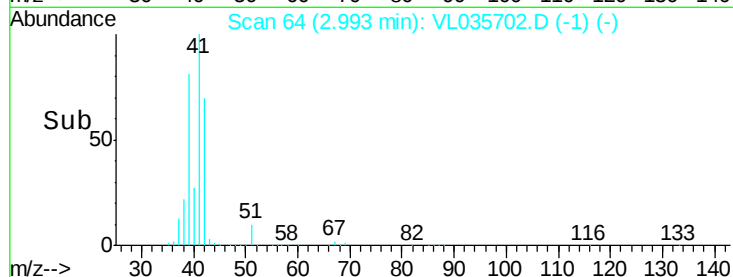
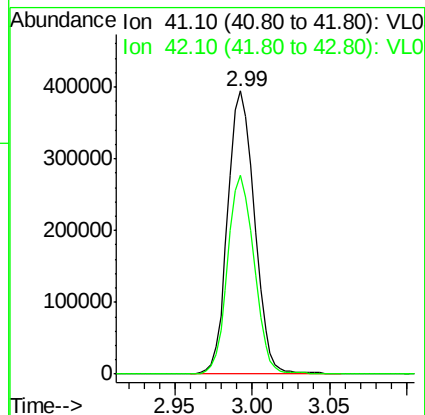
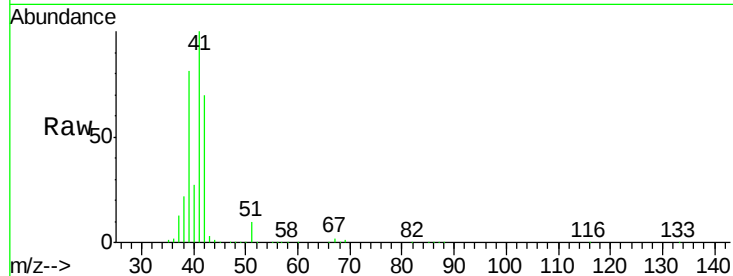
42 69.7 56.3 84.5

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



#10

Heptane

Concen: 11.429 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL035702.D

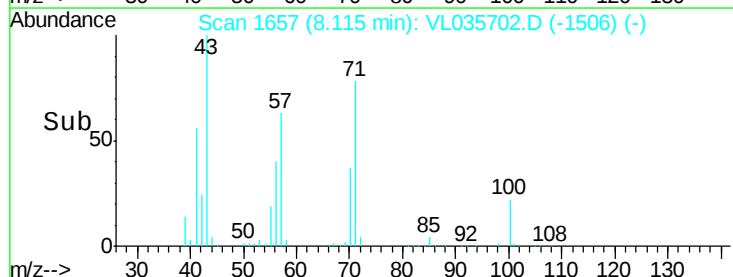
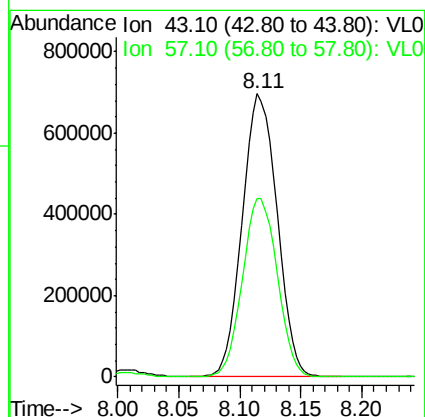
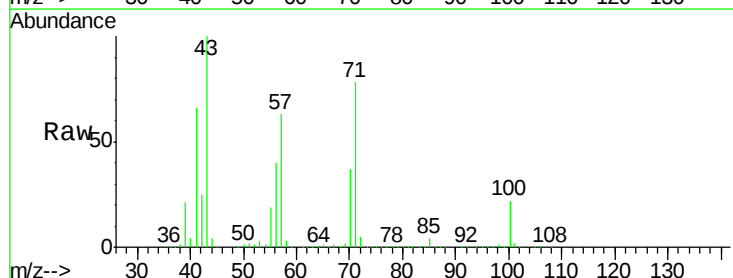
Acq: 22 Sep 2020 8:12

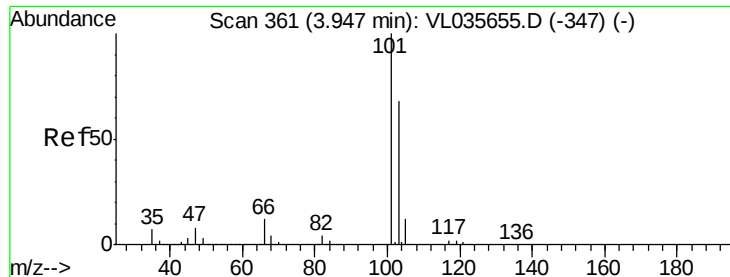
Tgt Ion: 43 Resp: 1372551

Ion Ratio Lower Upper

43 100

57 63.1 51.4 77.0





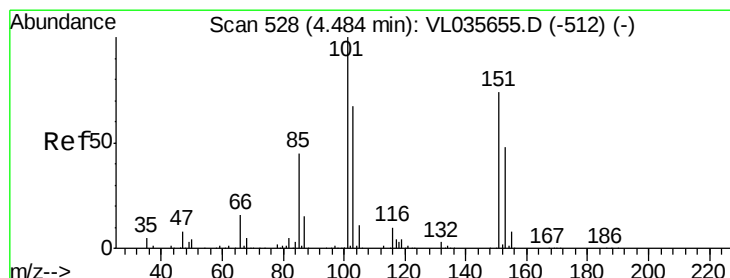
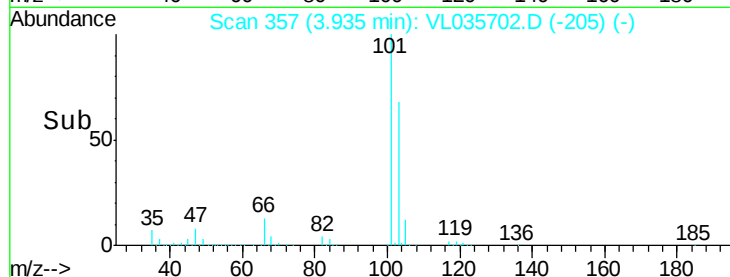
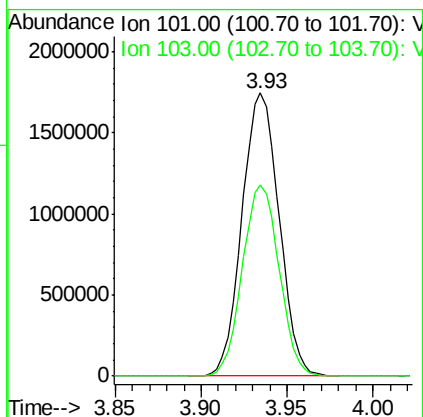
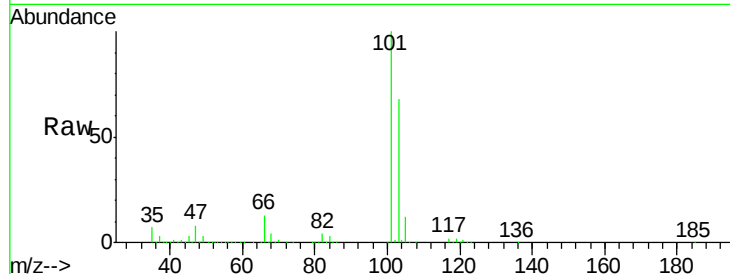
#11
 Trichlorofluoromethane
 Concen: 9.877 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2617717
 Ion Ratio Lower Upper
 101 100
 103 67.7 54.5 81.7

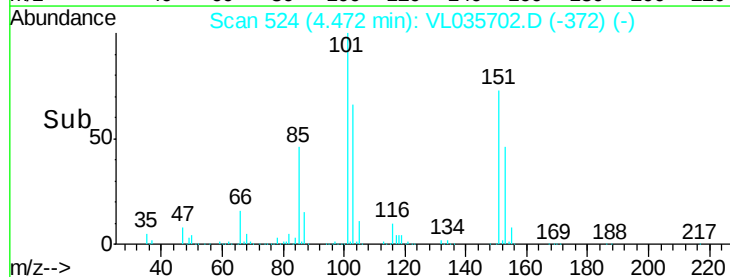
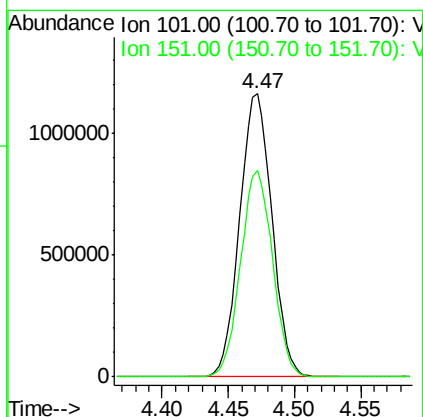
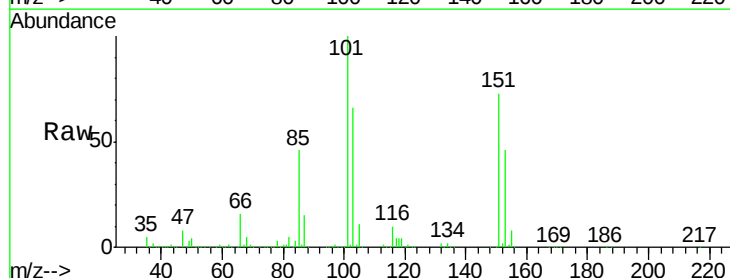
Manual Integrations
 APPROVED

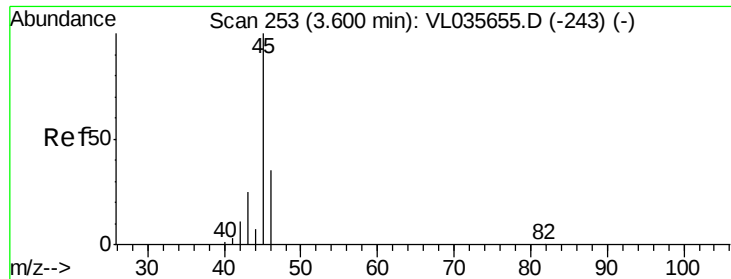
MMDadoda
 9/22/2020 2:06:11 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.846 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Tgt Ion:101 Resp: 1969410
 Ion Ratio Lower Upper
 101 100
 151 72.5 63.5 95.3





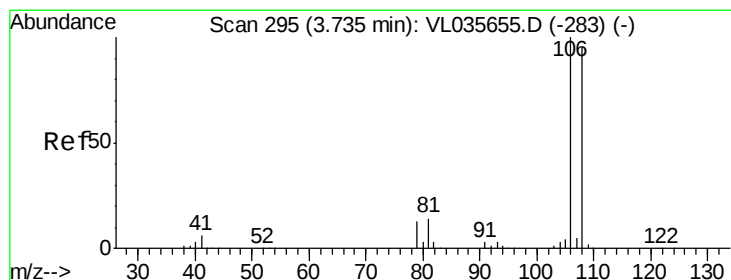
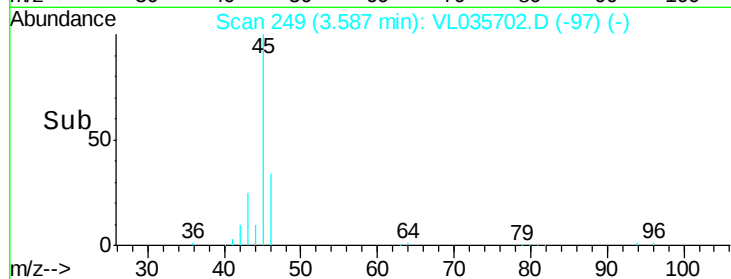
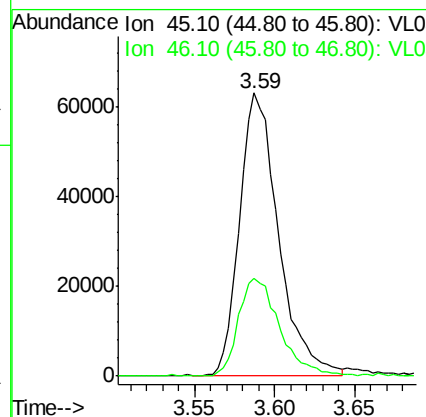
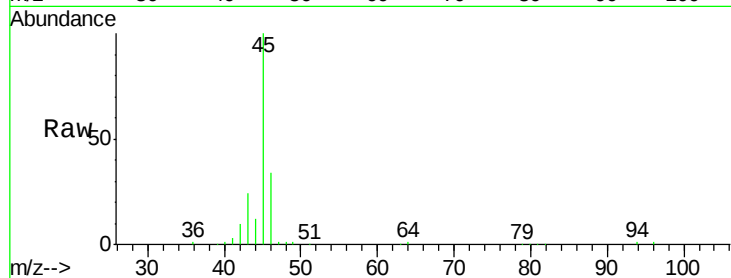
#13
Ethanol
Concen: 9.453 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 104793
Ion Ratio Lower Upper
45 100
46 37.1 15.2 60.6

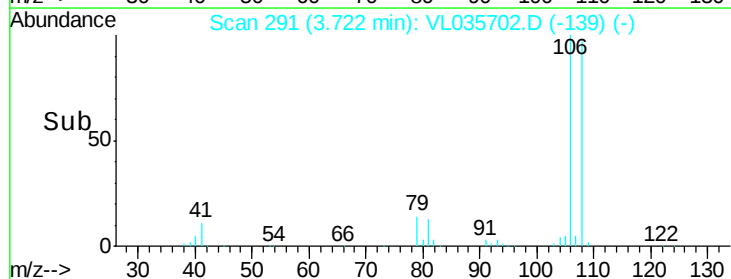
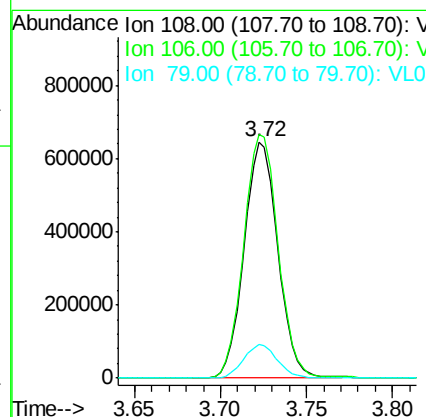
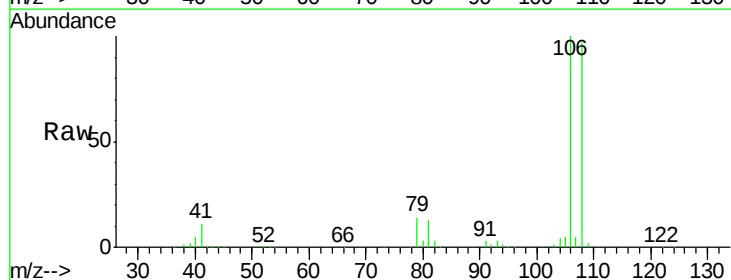
Manual Integrations
APPROVED

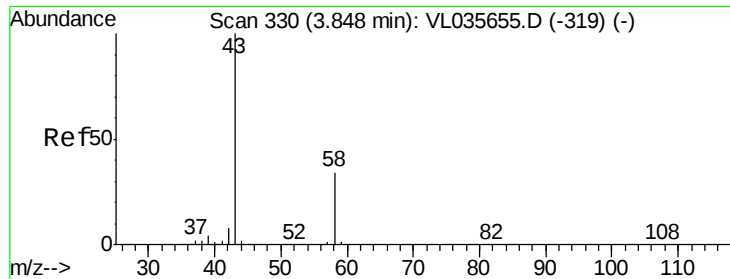
MMDadoda
9/22/2020 2:06:11 PM



#14
Bromoethene
Concen: 10.199 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion: 108 Resp: 878119
Ion Ratio Lower Upper
108 100
106 105.6 84.9 127.3
79 14.4 10.8 16.2





#15

Acetone

Concen: 9.301 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1075754

Ion Ratio Lower Upper

43 100

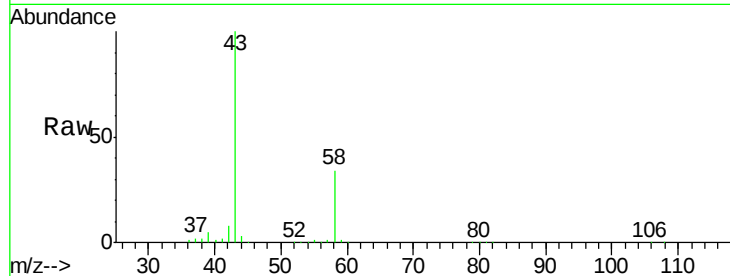
58 34.4 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

800000

600000

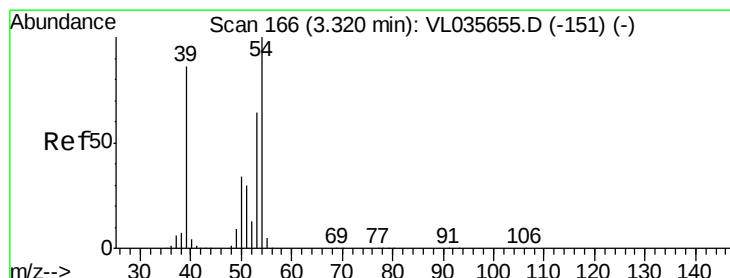
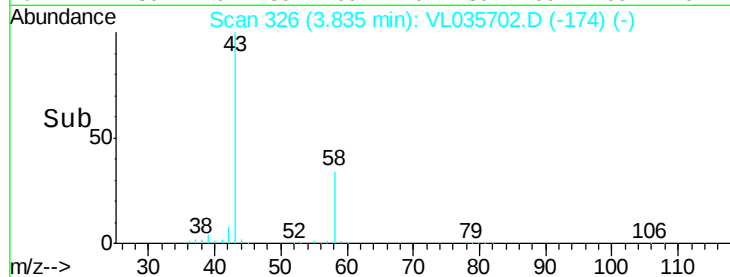
400000

200000

0

Time-->

3.75 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 11.348 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL035702.D

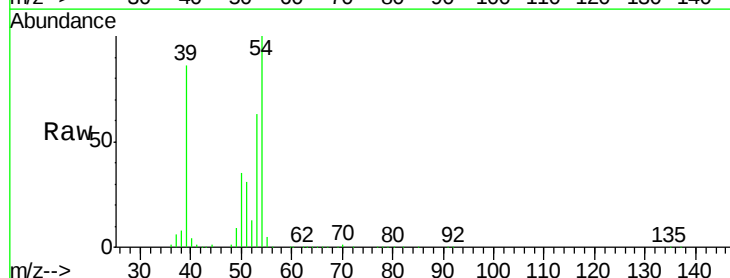
Acq: 22 Sep 2020 8:12

Tgt Ion: 39 Resp: 488573

Ion Ratio Lower Upper

39 100

54 108.8 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

500000

400000

300000

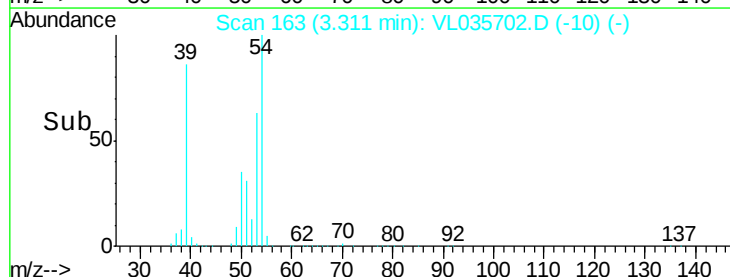
200000

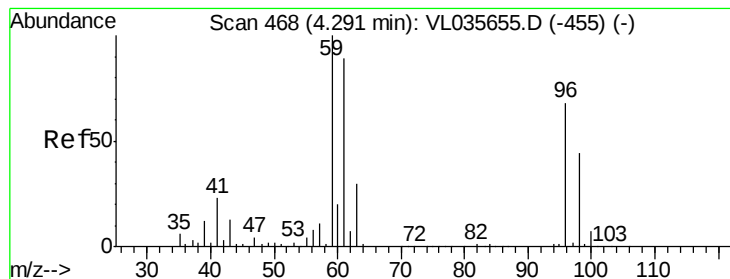
100000

0

Time-->

3.25 3.30 3.35





#17

tert-Butyl alcohol

Concen: 9.897 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 1393271

Ion Ratio Lower Upper

59 100

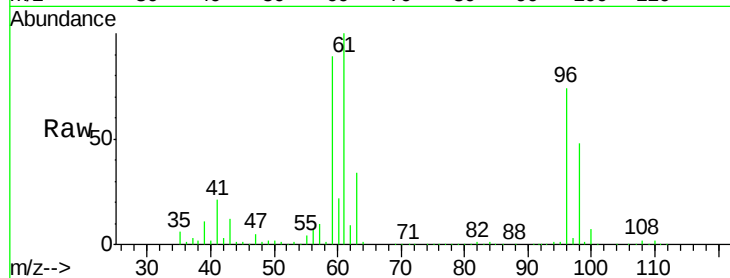
57 10.4 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

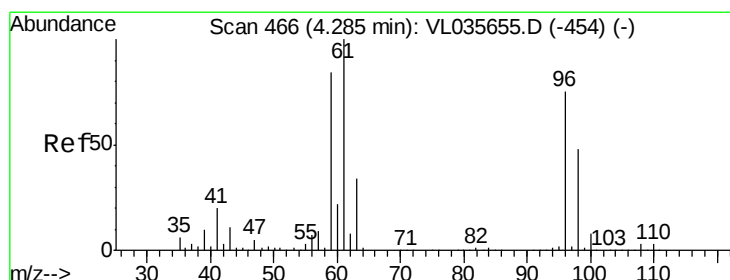
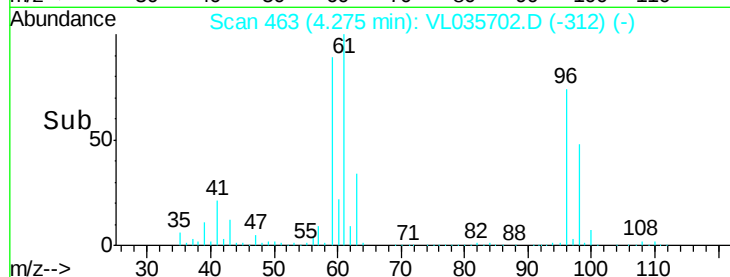
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.443 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

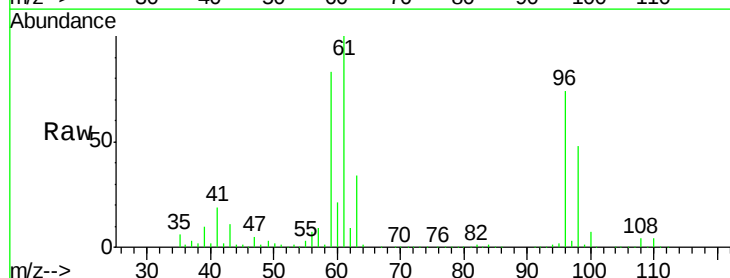
Tgt Ion: 96 Resp: 919870

Ion Ratio Lower Upper

96 100

61 135.5 103.0 154.6

98 64.5 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.27

1000000

800000

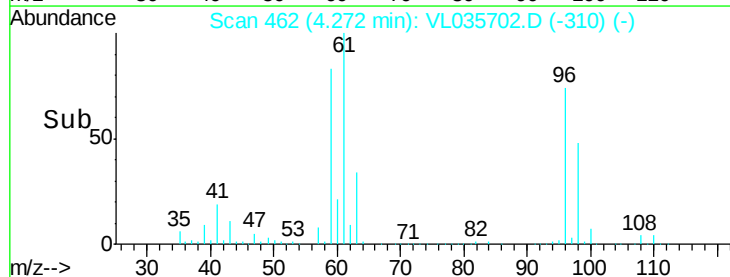
600000

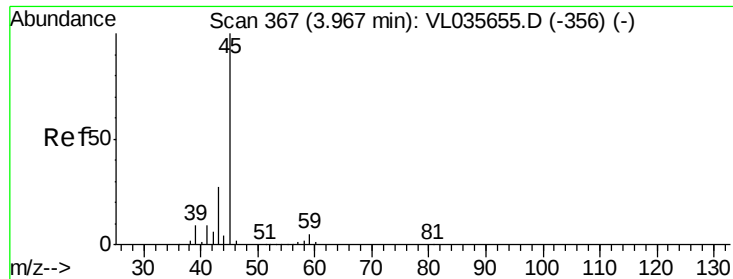
400000

200000

0

Time-->





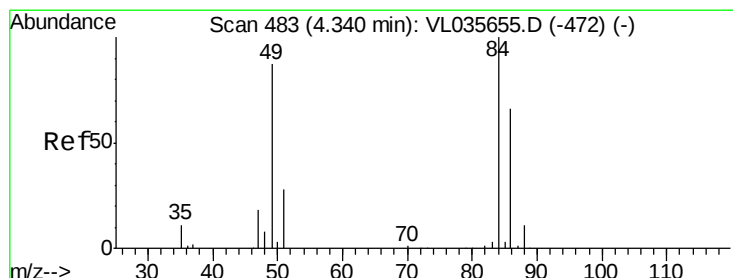
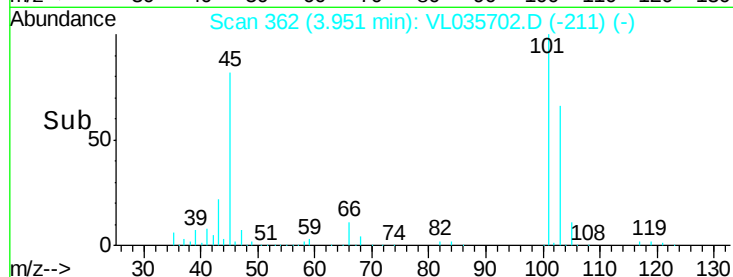
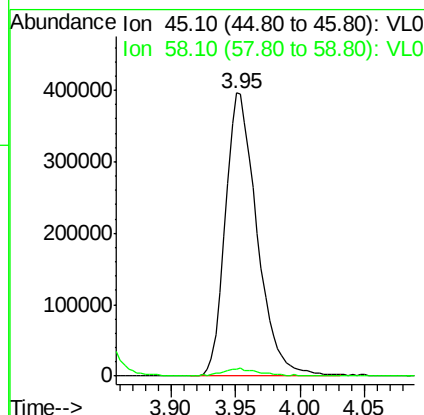
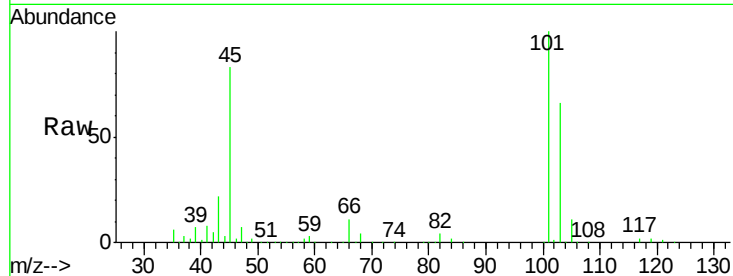
#19
Isopropyl Alcohol
Concen: 9.772 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 674245
Ion Ratio Lower Upper
45 100
58 3.6 2.0 3.0#

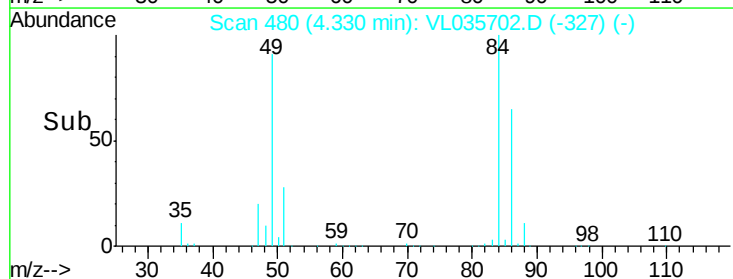
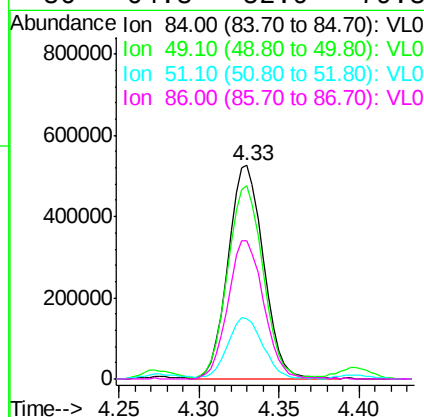
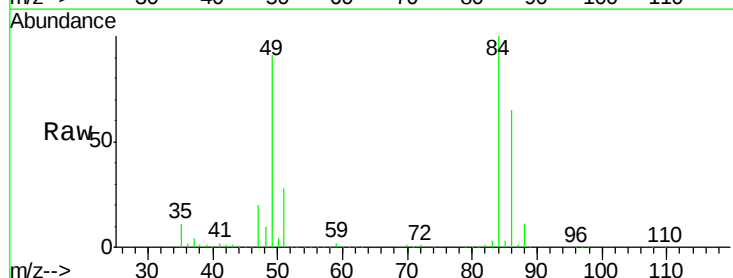
Manual Integrations
APPROVED

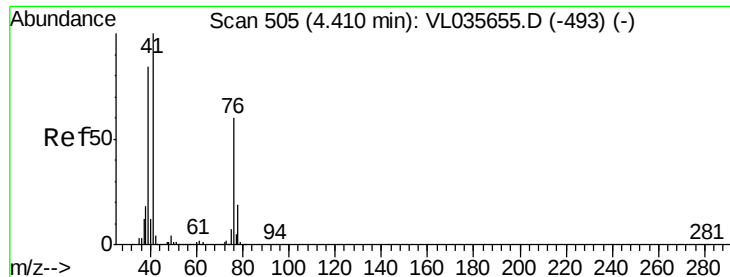
MMDadoda
9/22/2020 2:06:11 PM



#20
Methylene Chloride
Concen: 9.193 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion: 84 Resp: 791862
Ion Ratio Lower Upper
84 100
49 90.1 65.4 98.0
51 27.5 21.5 32.3
86 64.8 52.9 79.3





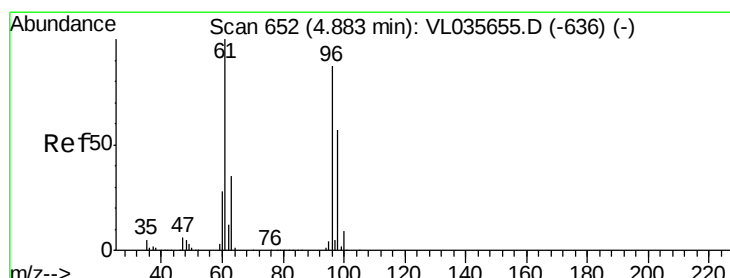
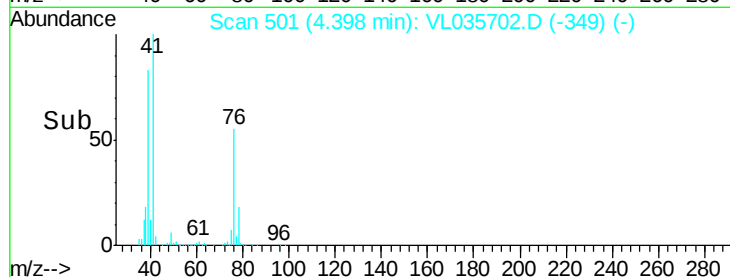
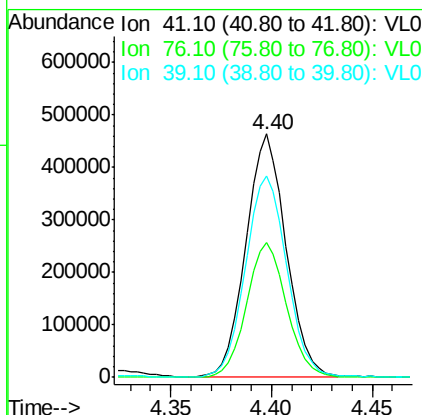
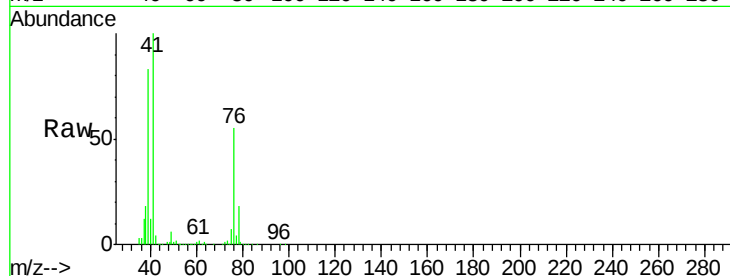
#21
Allvl Chloride
Concen: 11.884 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.6	46.2	69.2
39	85.5	67.8	101.6

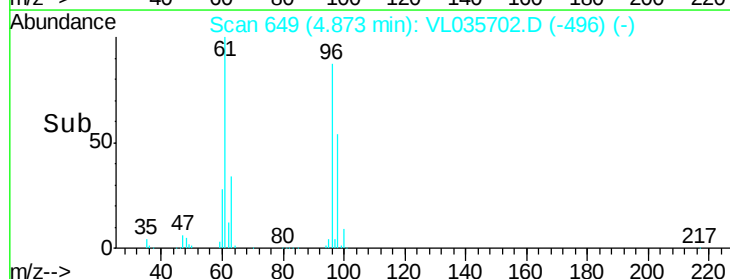
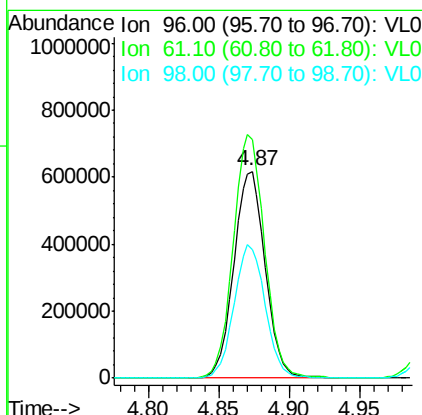
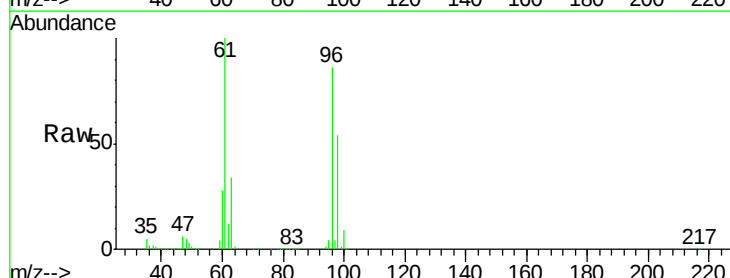
Manual Integrations
APPROVED

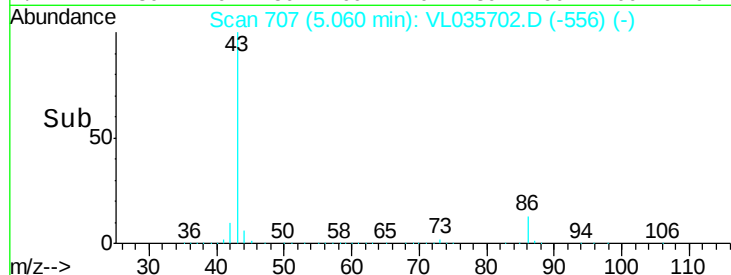
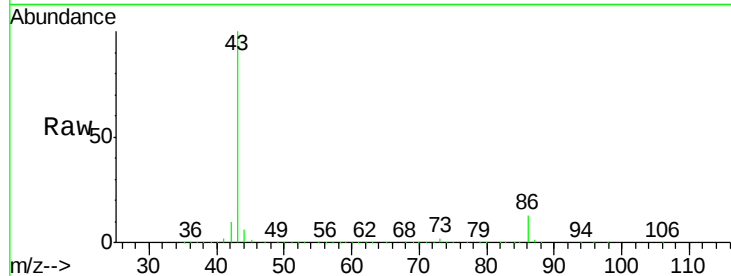
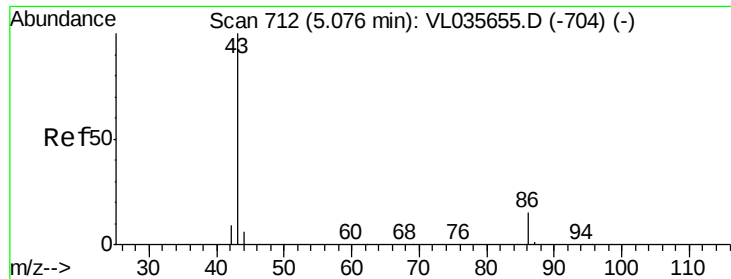
MMDadoda
9/22/2020 2:06:11 PM



#22
trans-1,2-Dichloroethene
Concen: 10.243 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.6	86.0	129.0
98	61.8	52.3	78.5





#23

Vinyl Acetate

Concen: 11.434 ppbv

RT: 5.06 min Scan# 707

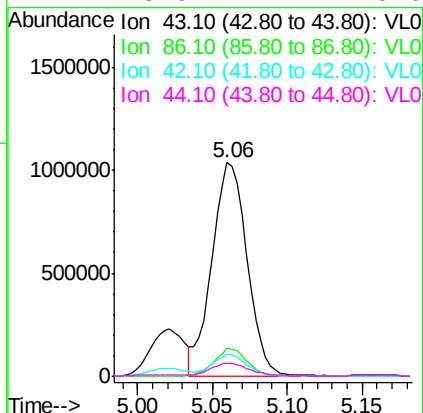
Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tot Ion: 43 Resp: 1697397

Ion	Ratio	Lower	Upper
43	100		
86	12.9	10.6	16.0
42	9.9	7.5	11.3
44	5.9	4.4	6.6



Instrument :

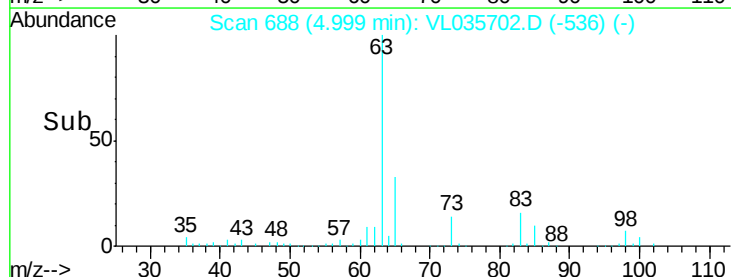
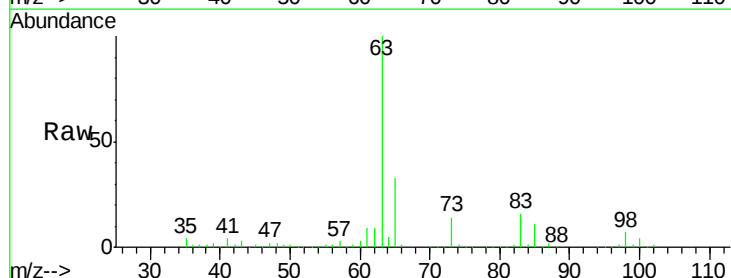
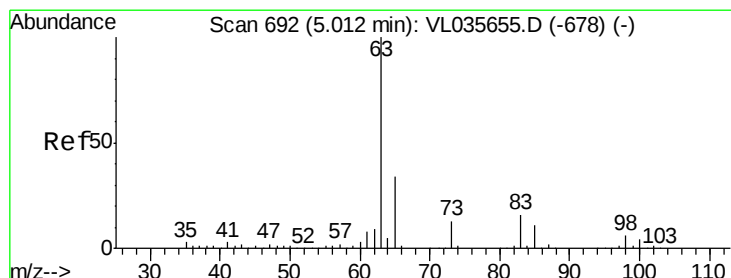
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:06:11 PM



#24

1,1-Dichloroethane

Concen: 10.740 ppbv

RT: 5.00 min Scan# 688

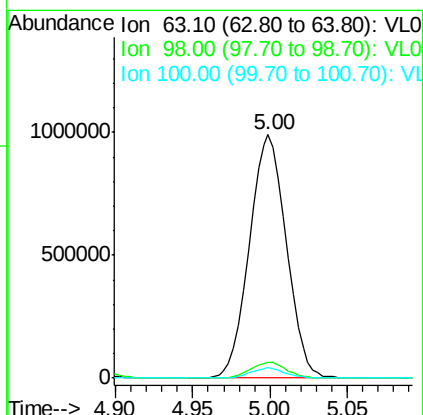
Delta R.T. -0.01 min

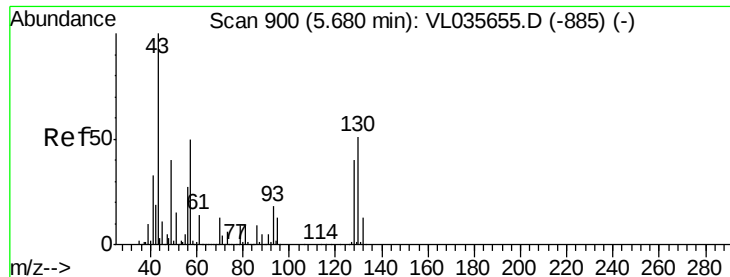
Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tgt Ion: 63 Resp: 1640759

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.3	2.1	6.5





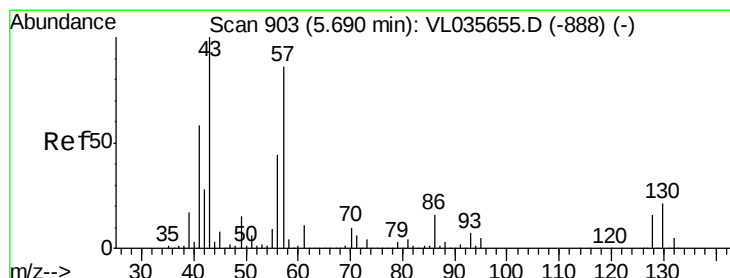
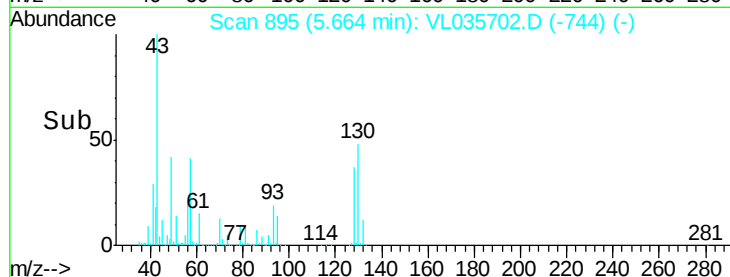
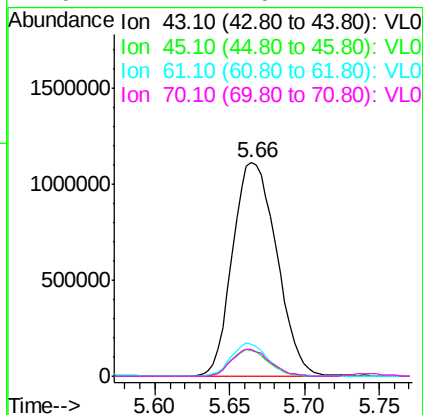
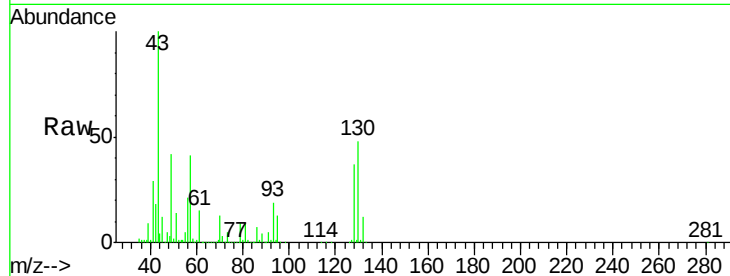
#25
Ethyl Acetate
Concen: 11.151 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43.10	43	100		
45.10	45	10.8	8.4	12.6
61.10	61	13.1	10.6	16.0
70.10	70	11.1	9.4	14.2

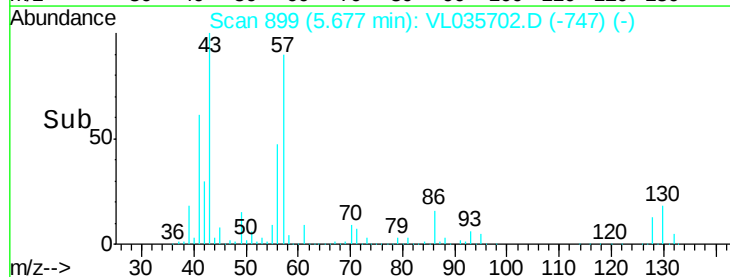
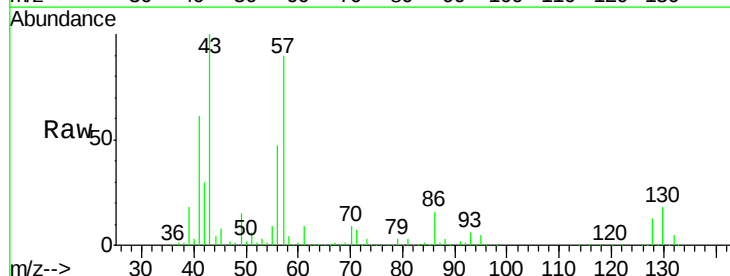
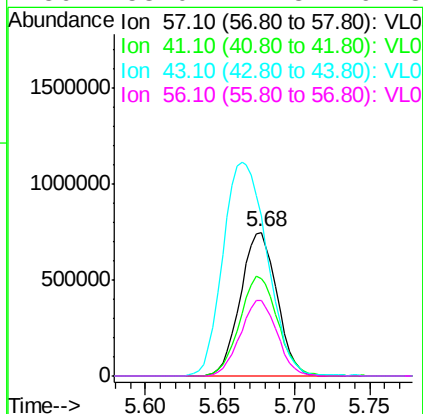
Manual Integrations
APPROVED

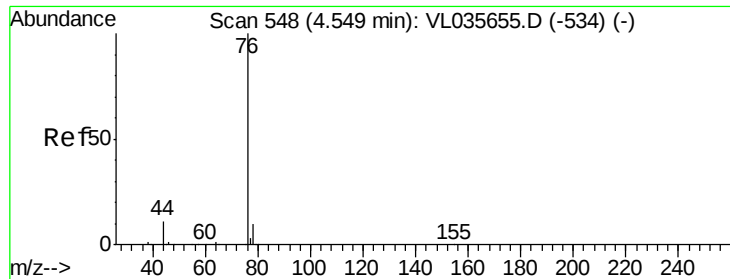
MMDadoda
9/22/2020 2:06:11 PM



#26
Hexane
Concen: 10.978 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion	Ion	Ratio	Lower	Upper
57.10	57	100		
41.10	41	72.6	55.9	83.9
43.10	43	180.0	141.8	212.8
56.10	56	53.0	41.8	62.8





#27

Carbon Disulfide

Concen: 12.251 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2035251

Ion Ratio Lower Upper

76 100

44 11.9 9.3 13.9

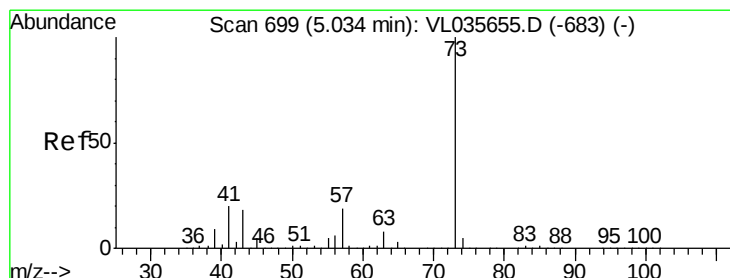
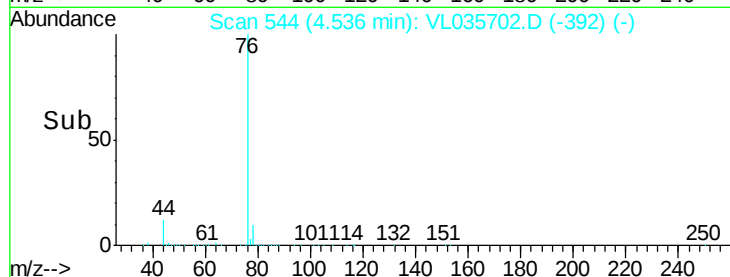
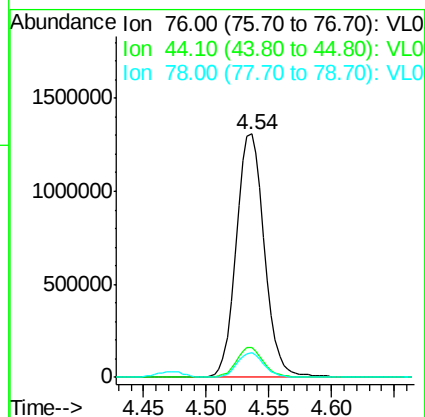
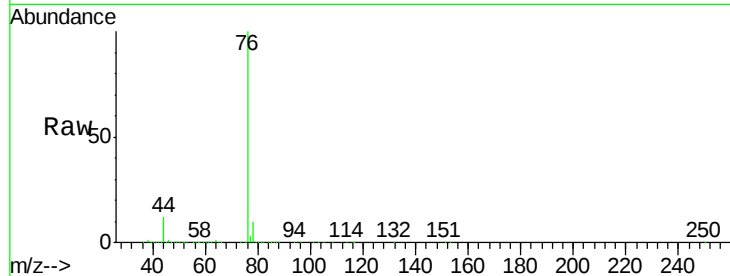
78 9.7 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



#28

Methyl tert-Butyl Ether

Concen: 10.635 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL035702.D

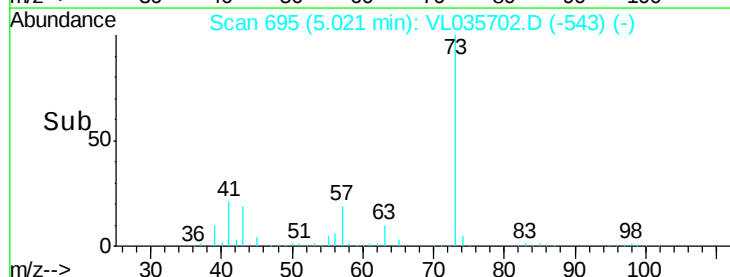
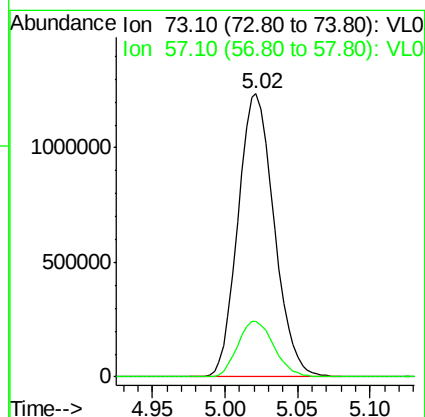
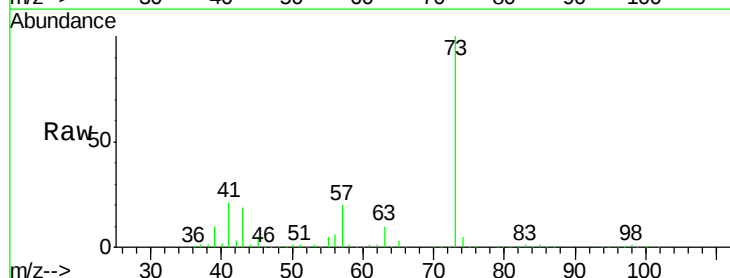
Acq: 22 Sep 2020 8:12

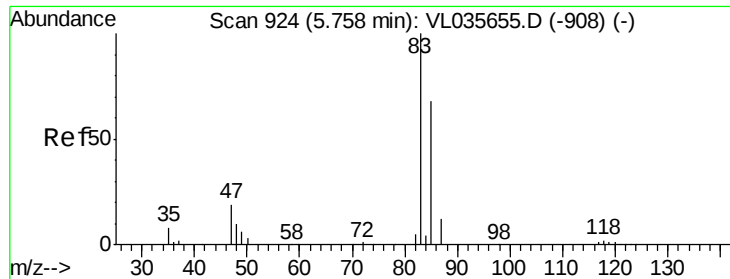
Tgt Ion: 73 Resp: 2145882

Ion Ratio Lower Upper

73 100

57 19.8 15.2 22.8





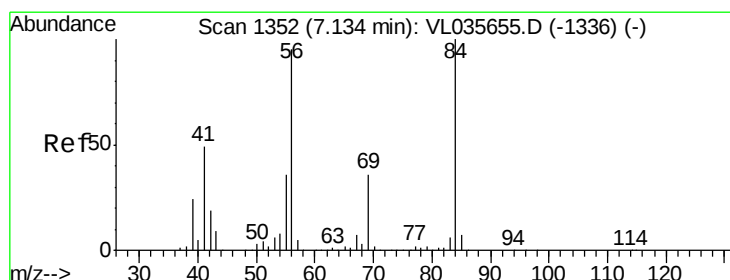
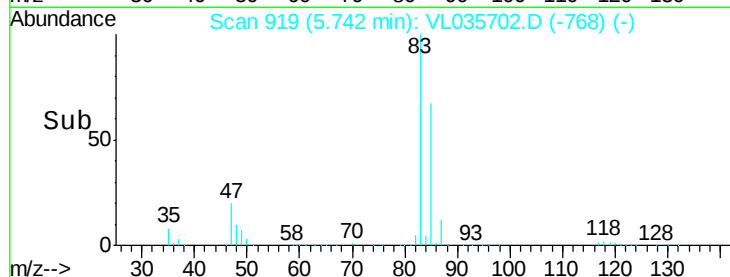
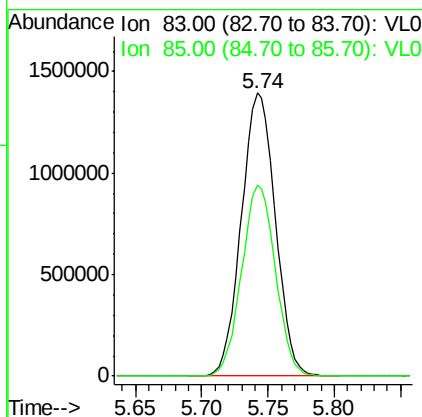
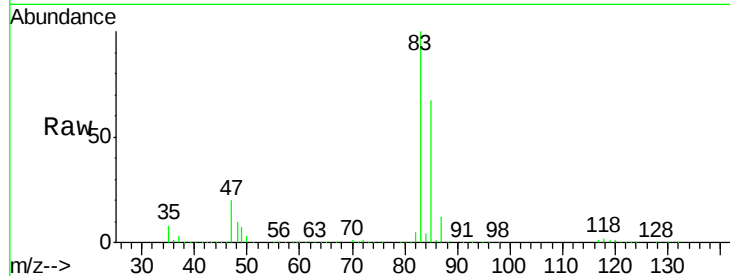
#29
Chloroform
Concen: 10.552 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2488939
Ion Ratio Lower Upper
83 100
85 67.3 53.9 80.9

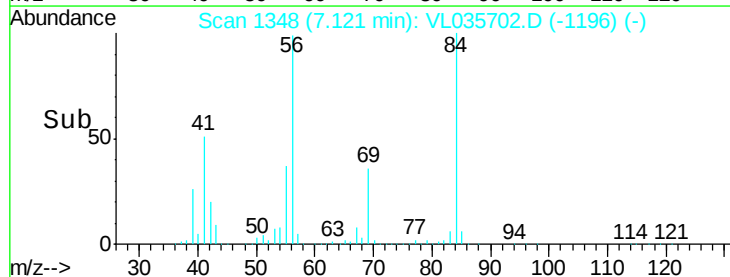
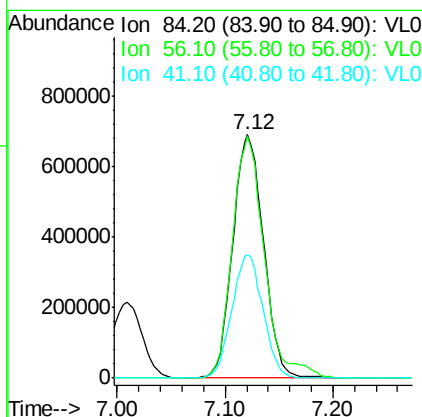
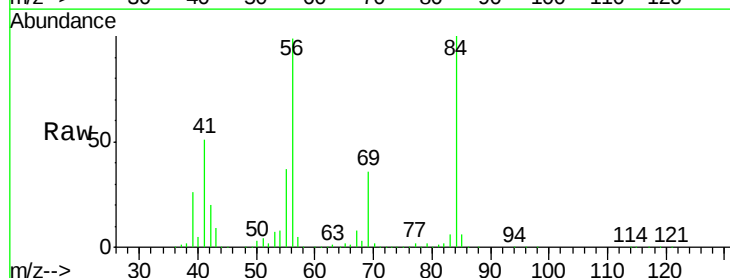
Manual Integrations
APPROVED

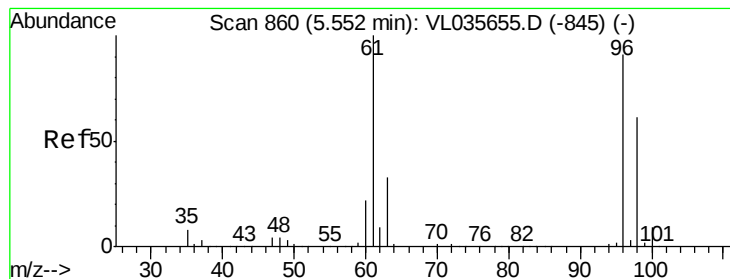
MMDadoda
9/22/2020 2:06:11 PM



#30
Cyclohexane
Concen: 11.037 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion: 84 Resp: 1368845
Ion Ratio Lower Upper
84 100
56 103.7 80.1 120.1
41 51.3 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 11.398 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1353802

Ion Ratio Lower Upper

61 100

96 88.8 74.4 111.6

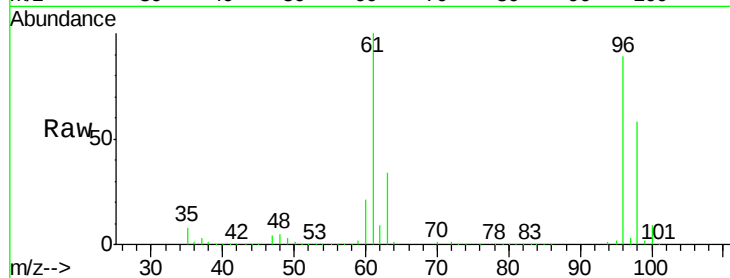
98 58.2 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

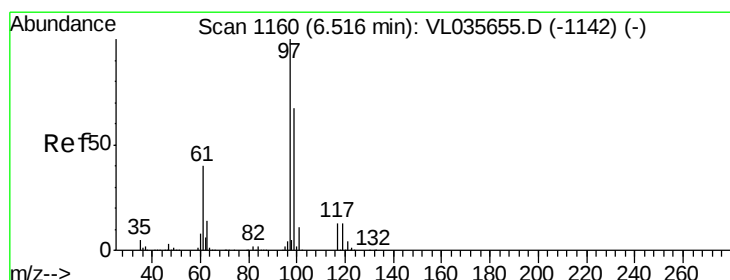
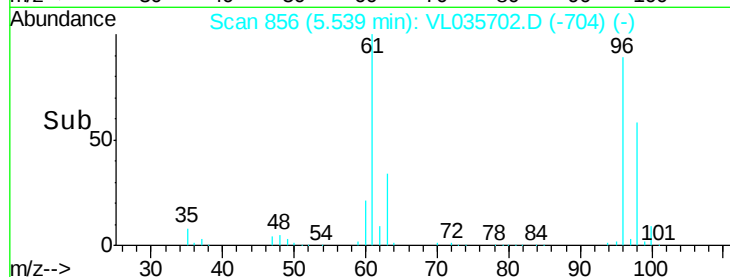
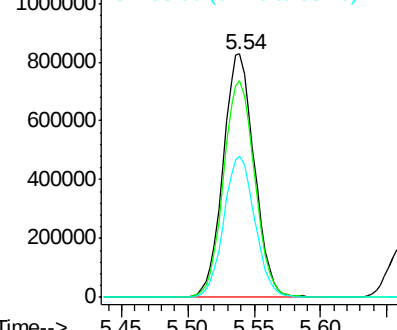
9/22/2020 2:06:11 PM



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.578 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

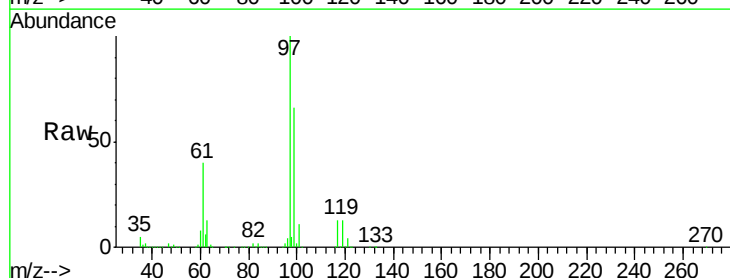
Tgt Ion: 97 Resp: 2420451

Ion Ratio Lower Upper

97 100

99 65.6 53.3 79.9

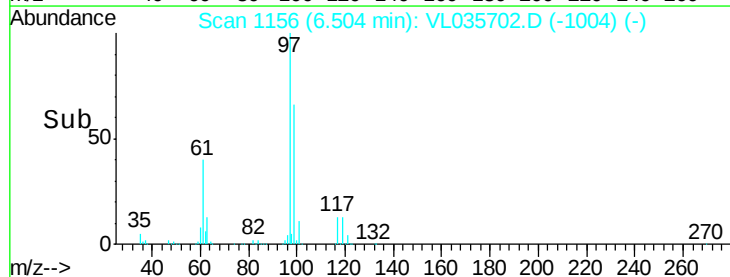
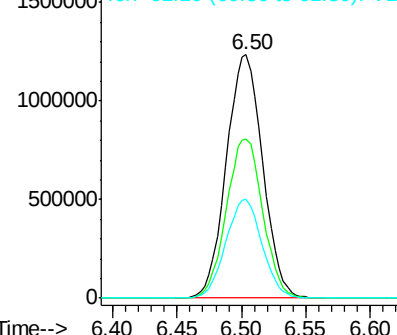
61 40.6 30.6 46.0

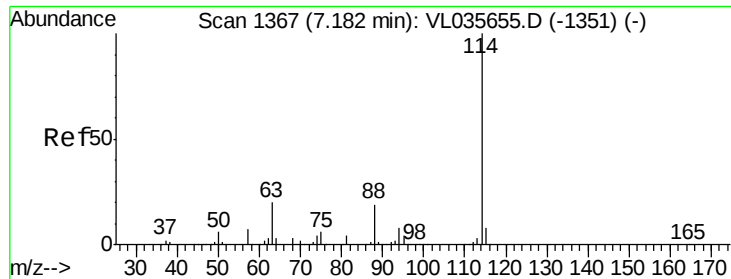


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





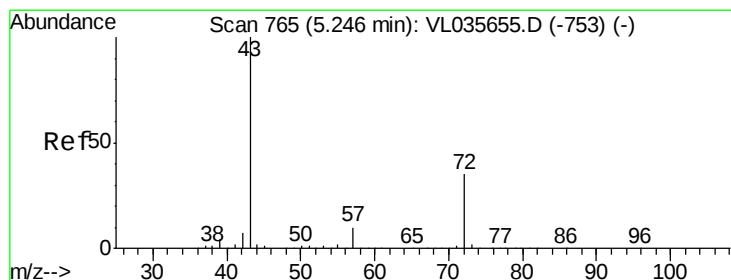
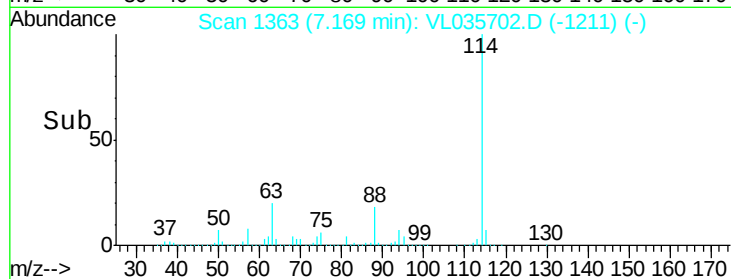
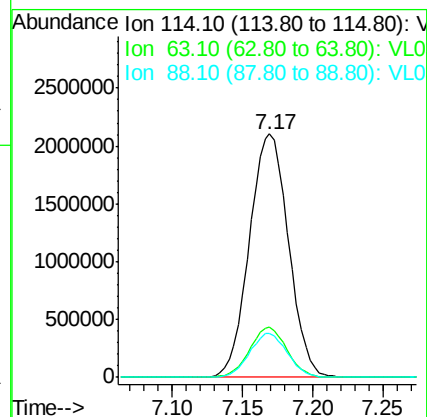
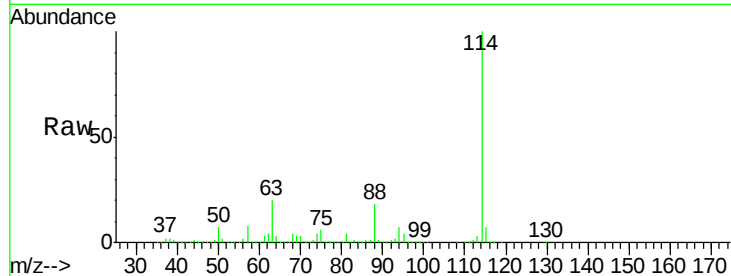
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4081504
 Ion Ratio Lower Upper
 114 100
 63 20.0 14.7 22.1
 88 17.4 13.4 20.2

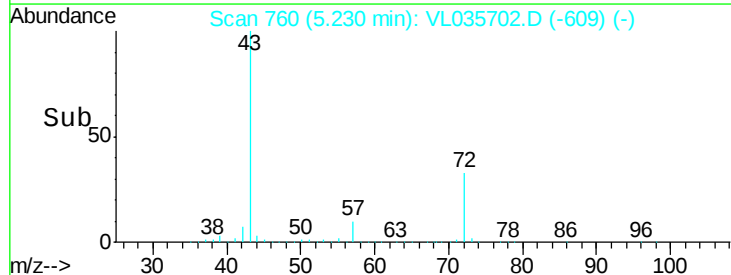
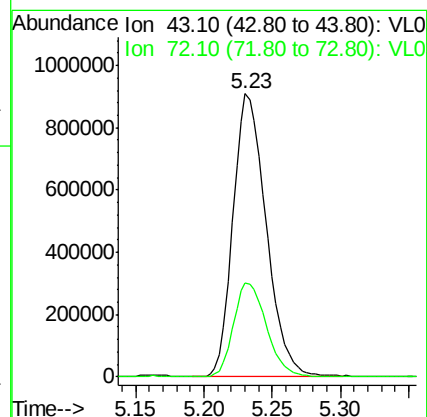
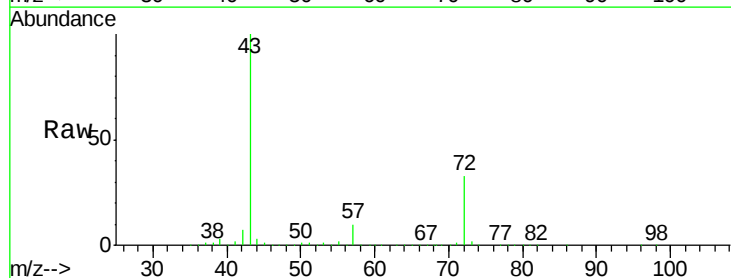
Manual Integrations
 APPROVED

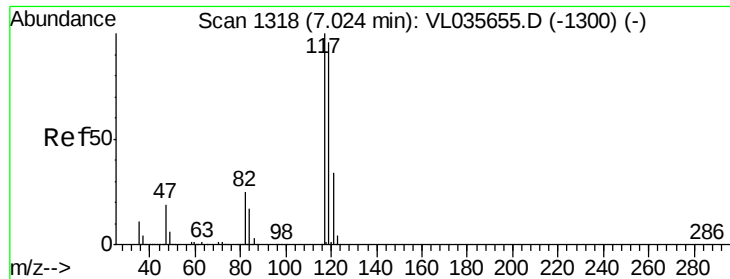
MMDadoda
 9/22/2020 2:06:11 PM



#34
 2-Butanone
 Concen: 12.691 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Tgt Ion: 43 Resp: 1537269
 Ion Ratio Lower Upper
 43 100
 72 33.1 27.7 41.5





#35

Carbon Tetrachloride

Concen: 12.173 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2497070

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8

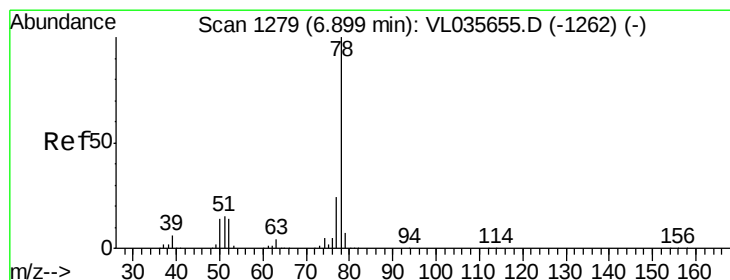
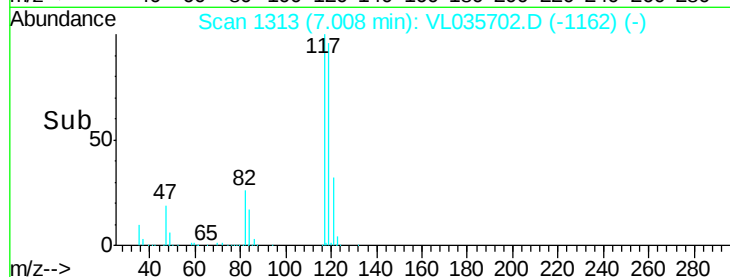
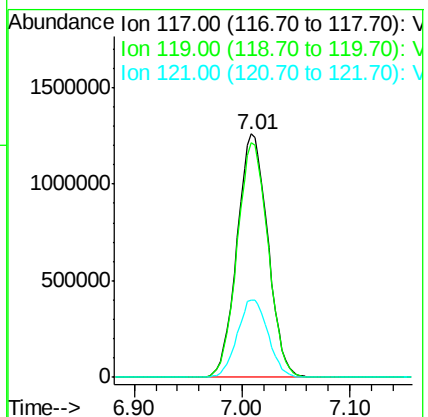
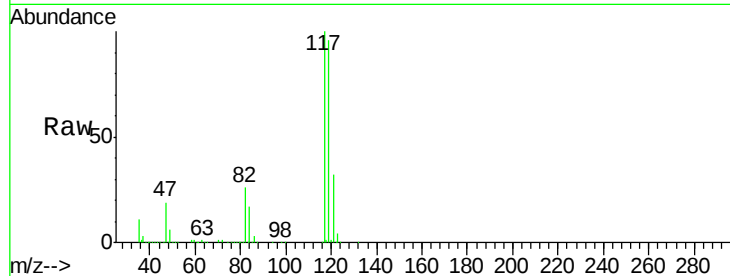
121 31.9 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



#36

Benzene

Concen: 11.820 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

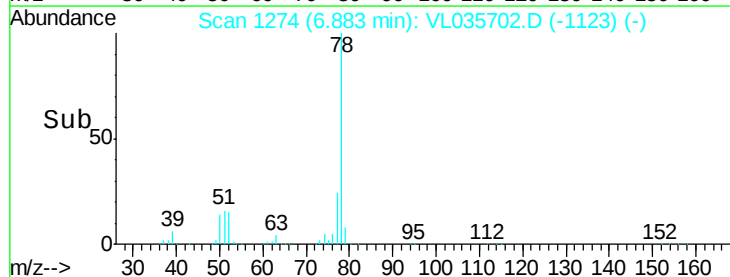
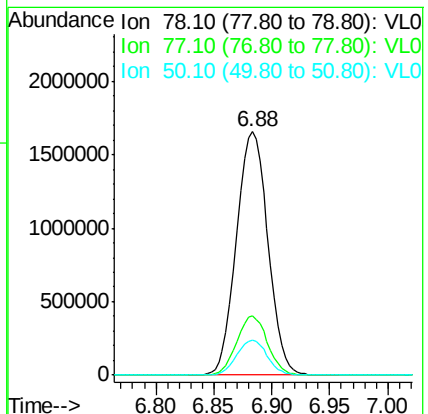
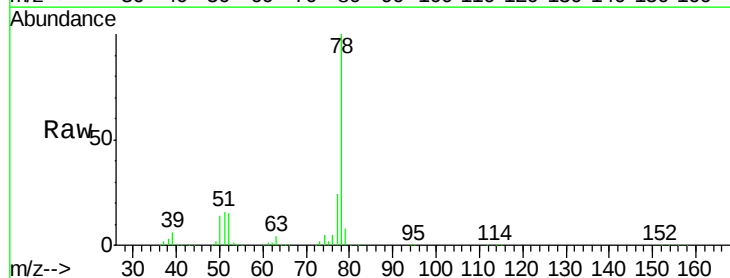
Tgt Ion: 78 Resp: 3122956

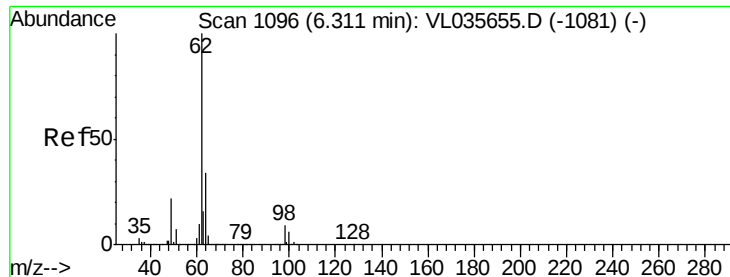
Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9

50 14.3 11.0 16.6





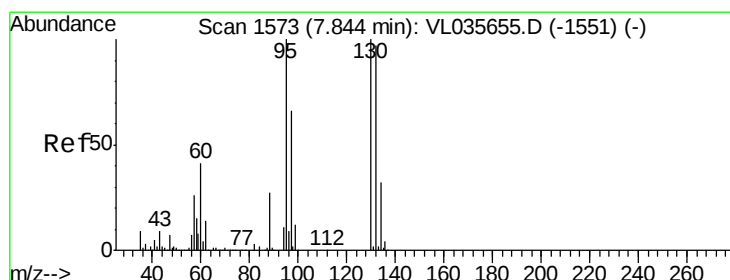
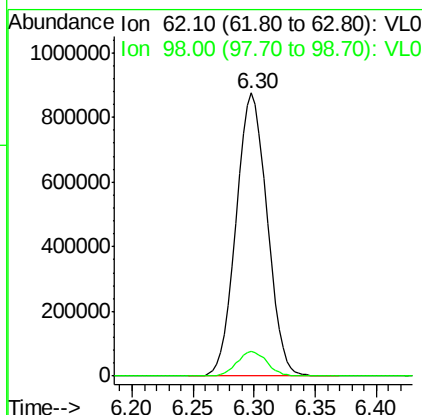
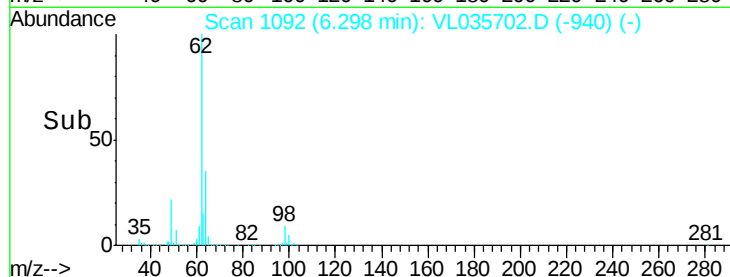
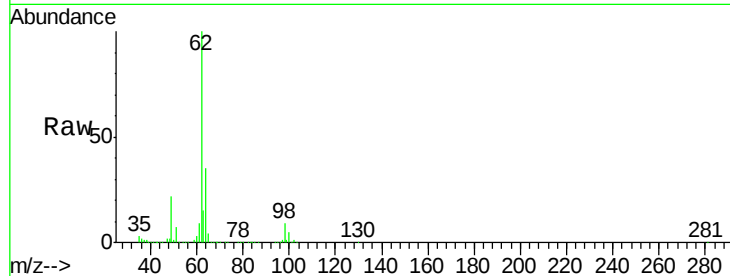
#37
 1,2-Dichloroethane
 Concen: 12.248 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1542780
 Ion Ratio Lower Upper
 62 100
 98 8.6 7.4 11.0

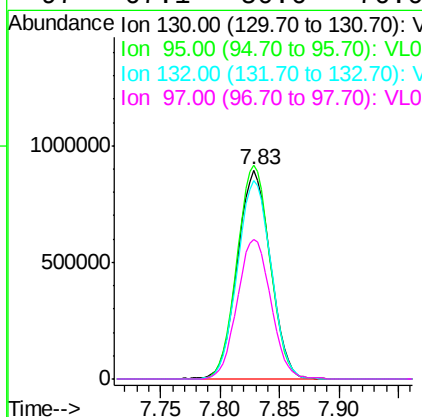
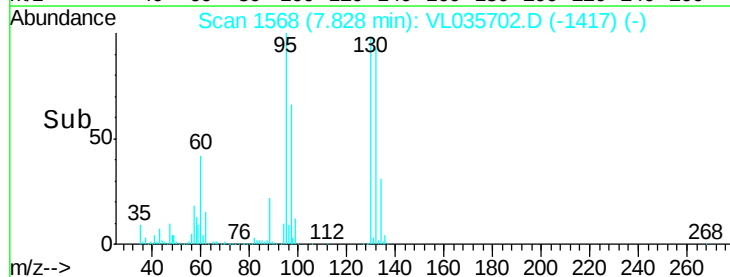
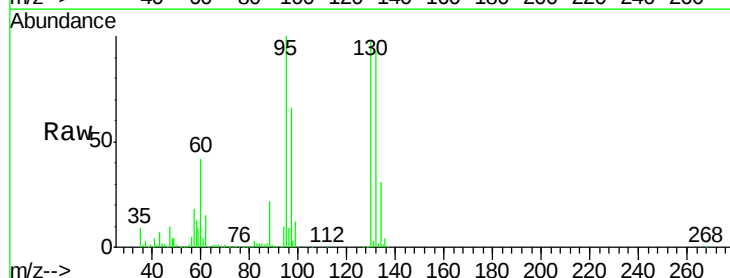
Manual Integrations
 APPROVED

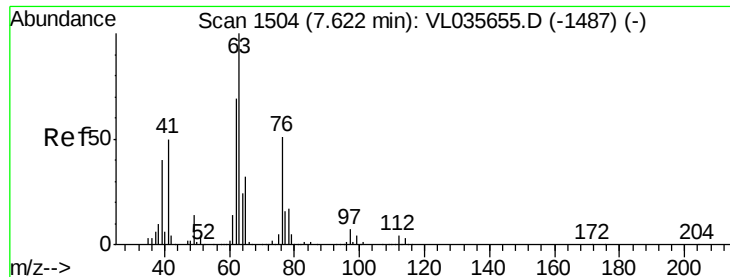
MMDadoda
 9/22/2020 2:06:11 PM



#38
 Trichloroethene
 Concen: 11.208 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Tgt Ion: 130 Resp: 1720029
 Ion Ratio Lower Upper
 130 100
 95 102.3 74.6 112.0
 132 95.2 77.6 116.4
 97 67.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 12.074 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1077625

Ion Ratio Lower Upper

63 100

41 52.6 40.0 60.0

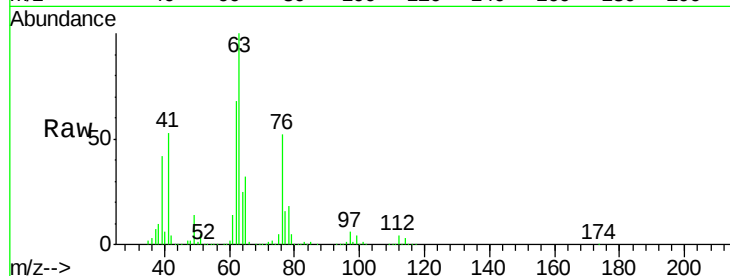
62 68.1 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

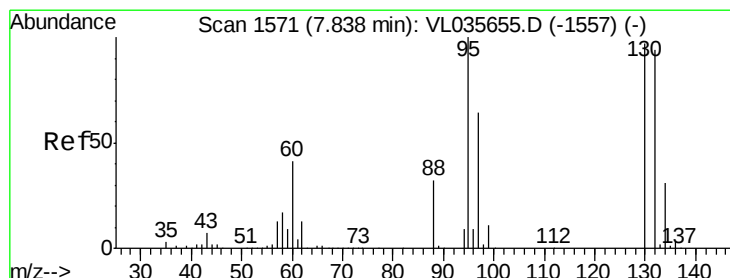
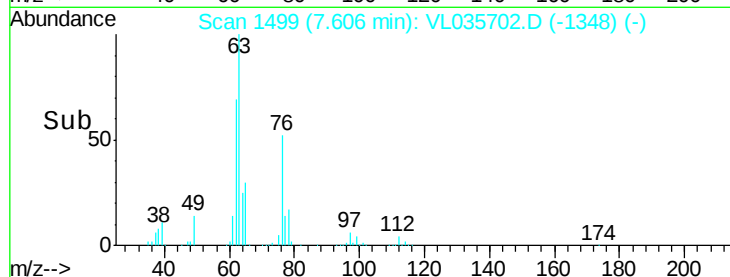
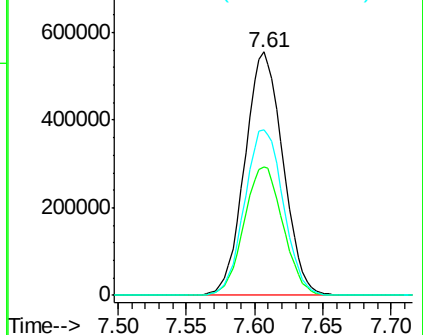
9/22/2020 2:06:11 PM



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.398 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tgt Ion: 88 Resp: 508190

Ion Ratio Lower Upper

88 100

58 96.2 68.7 103.1

43 156.3 104.3 156.5

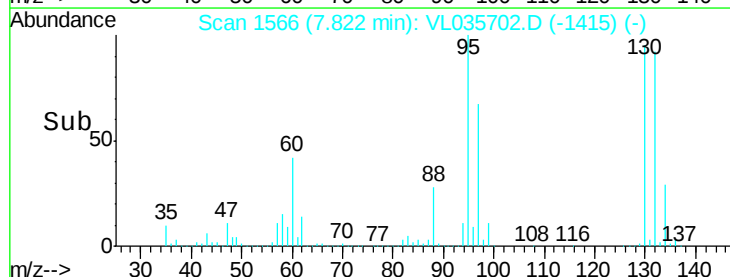
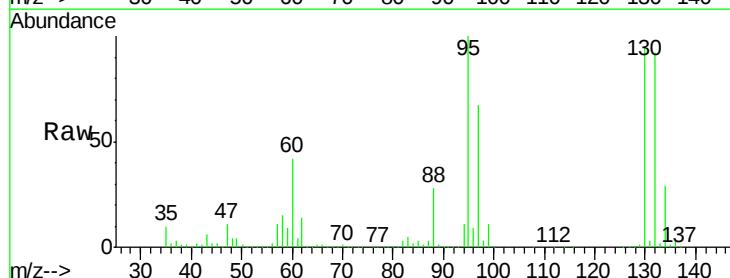
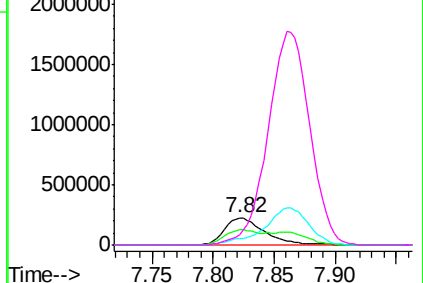
57 832.4 560.7 841.1

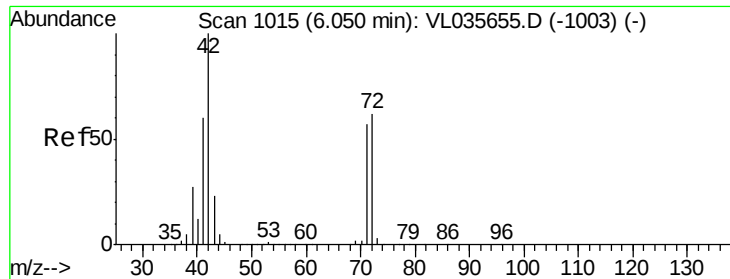
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





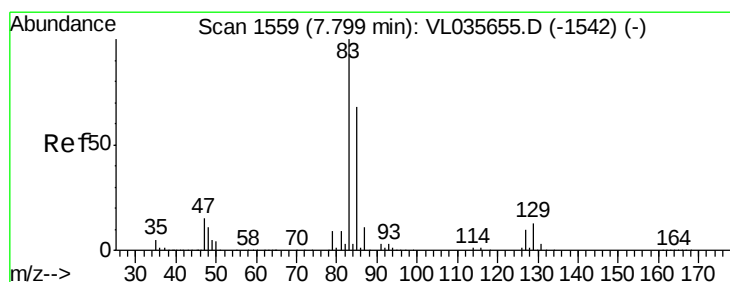
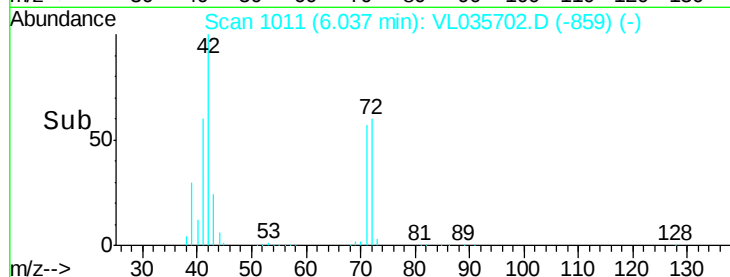
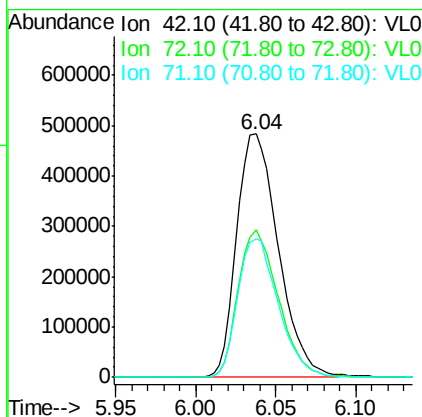
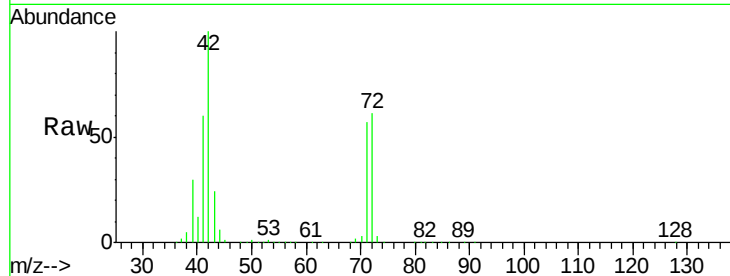
#41
Tetrahydrofuran
Concen: 13.387 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.9	48.6	73.0
71	55.7	46.1	69.1

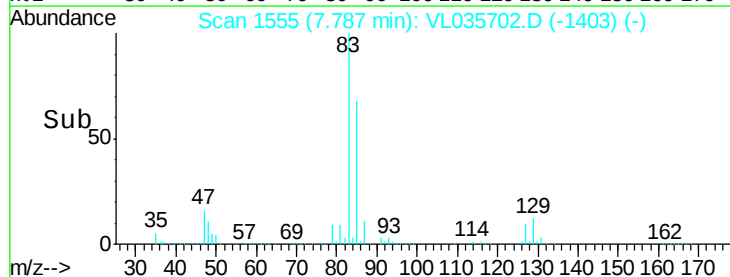
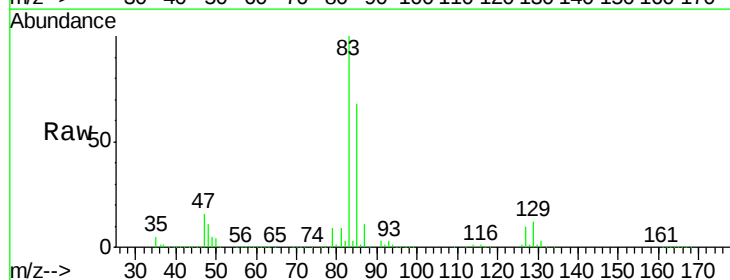
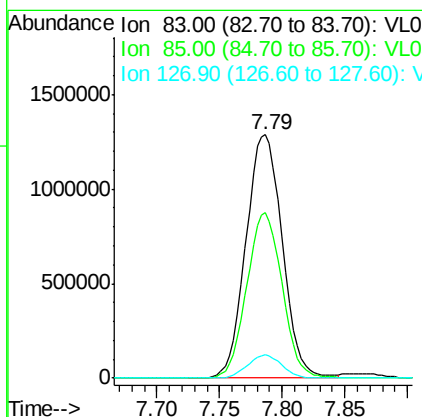
Manual Integrations
APPROVED

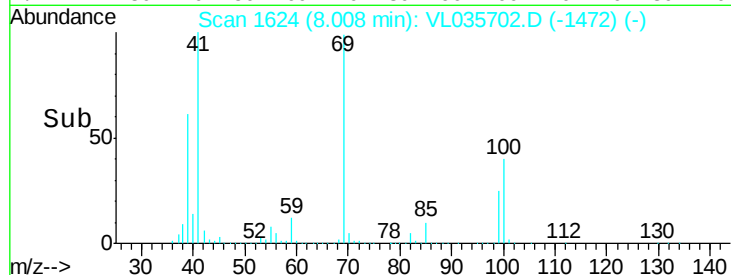
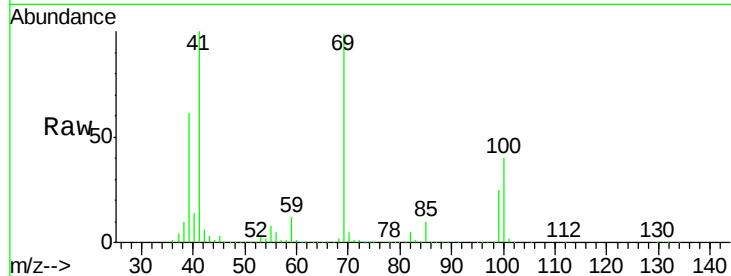
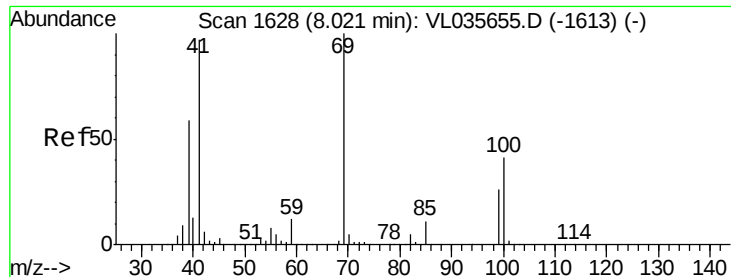
MMDadoda
9/22/2020 2:06:11 PM



#42
Bromodichloromethane
Concen: 12.784 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	53.7	80.5
127	9.5	8.1	12.1





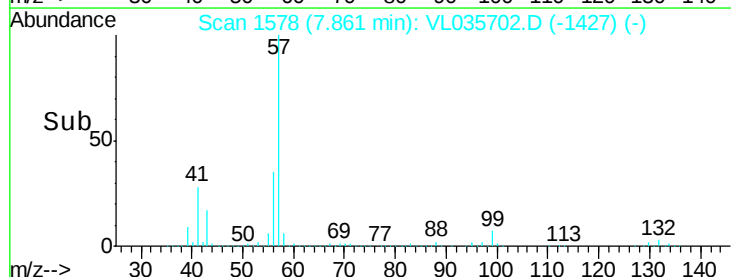
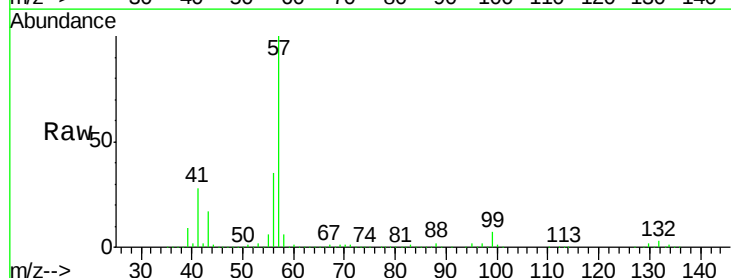
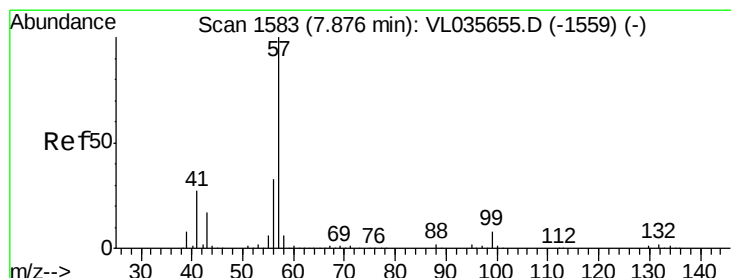
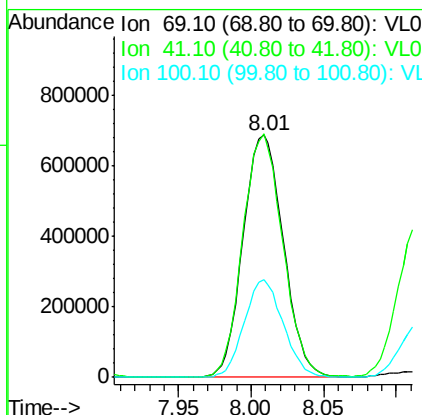
#43
Methvl Methacrilate
Concen: 13.046 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tot Ion: 69 Resp: 1332802
Ion Ratio Lower Upper
69 100
41 99.8 76.6 114.8
100 39.0 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

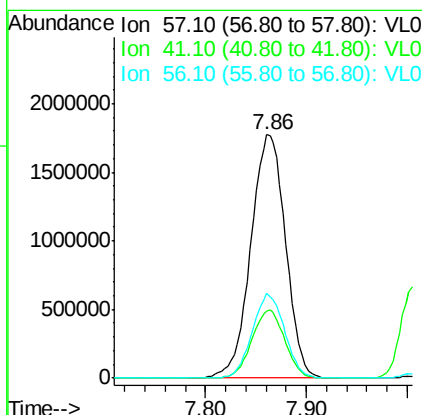
Manual Integrations
APPROVED

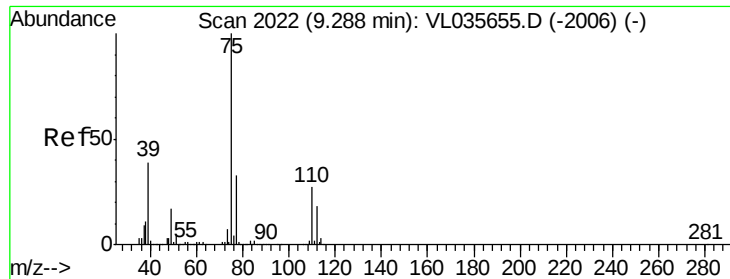
MMDadoda
9/22/2020 2:06:11 PM



#44
2,2,4-Trimethylpentane
Concen: 12.158 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion: 57 Resp: 4226545
Ion Ratio Lower Upper
57 100
41 26.6 20.5 30.7
56 32.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 14.571 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tot Ion: 75 Resp: 1507998

Ion Ratio Lower Upper

75 100

77 33.4 26.5 39.7

Instrument :

MSVOA_L

ClientSampleId :

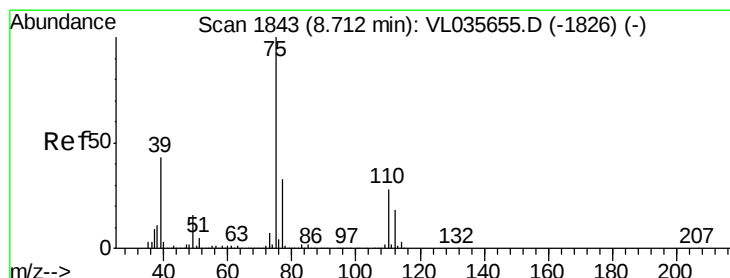
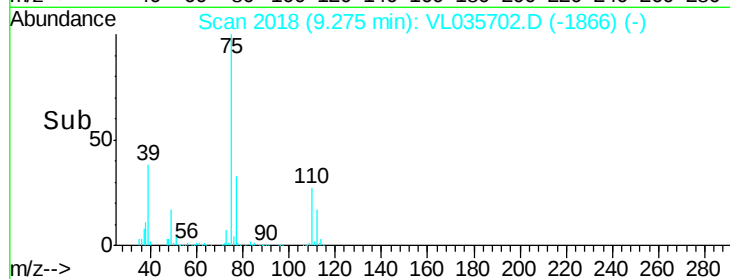
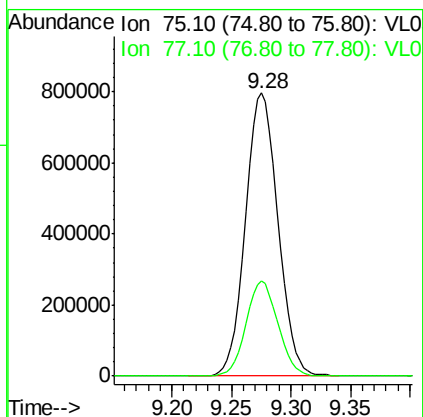
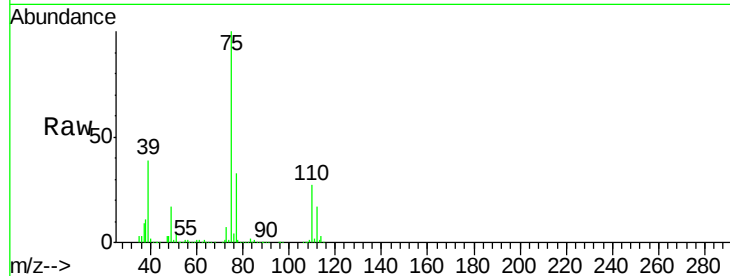
VSTDCCC010EC

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



#46

cis-1,3-Dichloropropene

Concen: 13.835 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

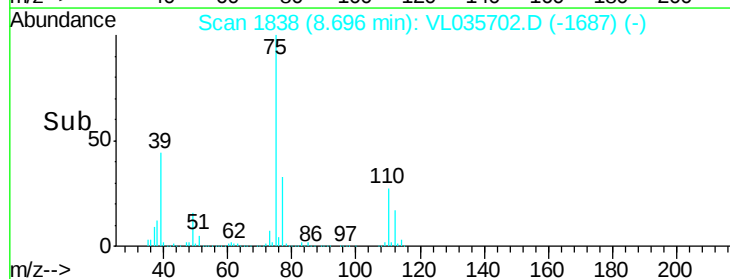
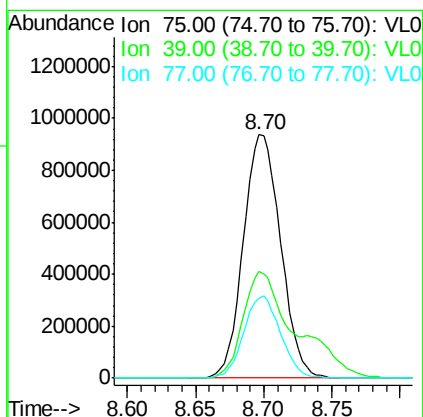
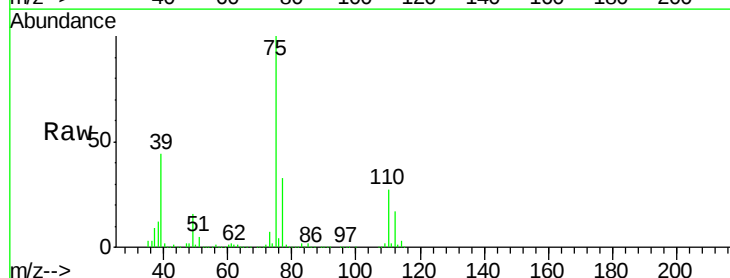
Tgt Ion: 75 Resp: 1777718

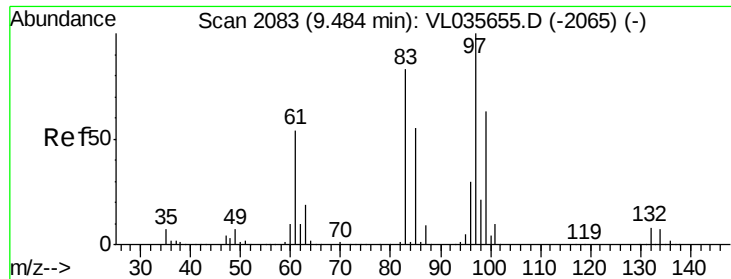
Ion Ratio Lower Upper

75 100

39 43.6 33.7 50.5

77 33.0 27.8 41.6





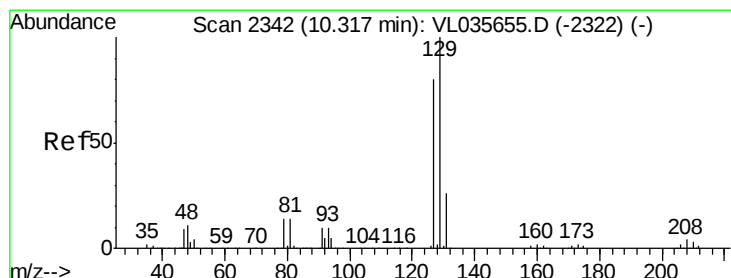
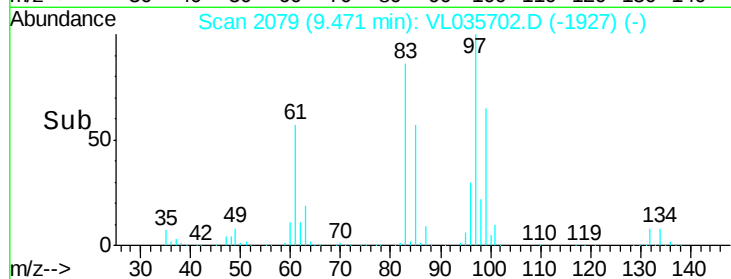
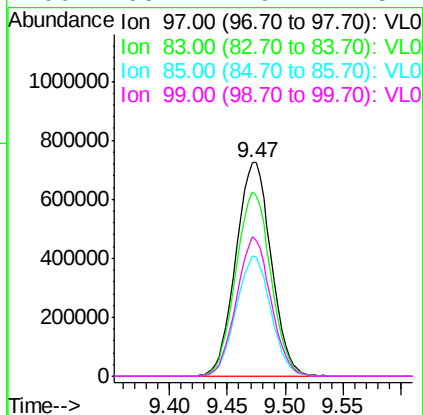
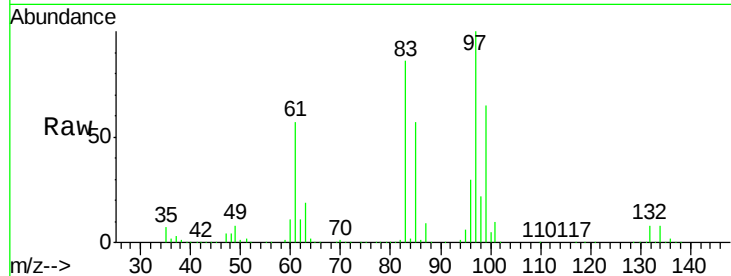
#47
 1,1,2-Trichloroethane
 Concen: 11.667 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	65.4	98.2
85	56.5	43.7	65.5
99	65.1	49.1	73.7

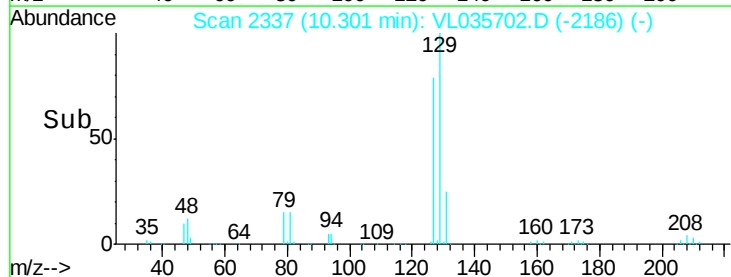
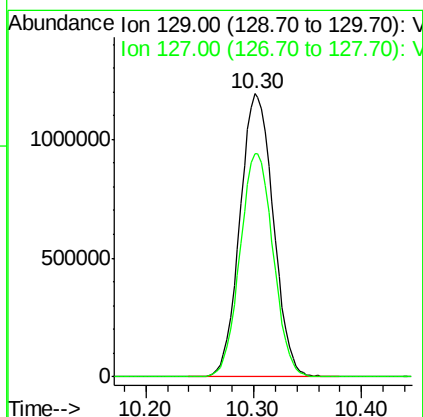
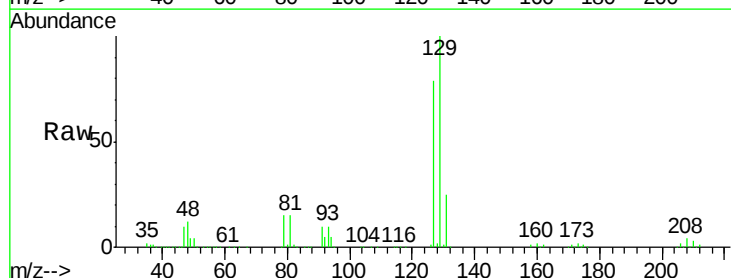
Manual Integrations
 APPROVED

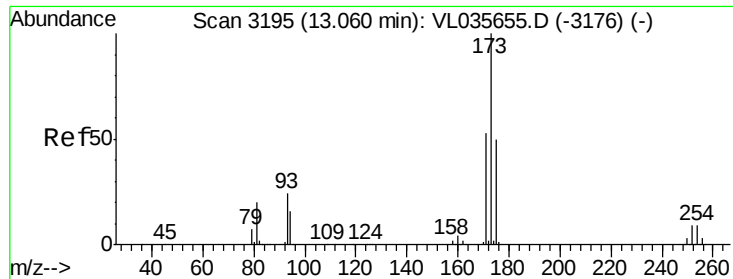
MMDadoda
 9/22/2020 2:06:11 PM



#48
 Dibromochloromethane
 Concen: 12.375 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.02 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8





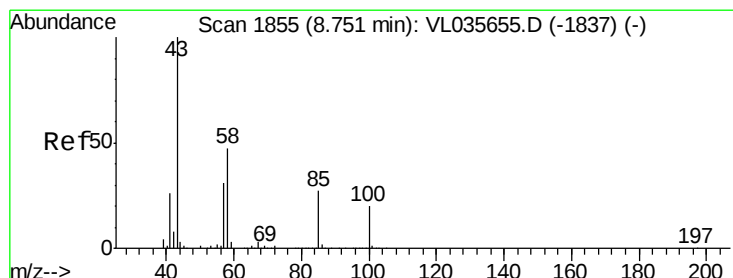
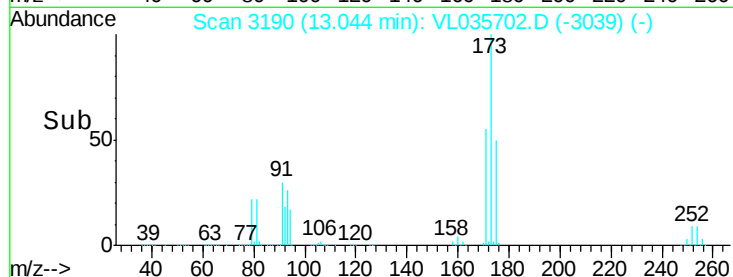
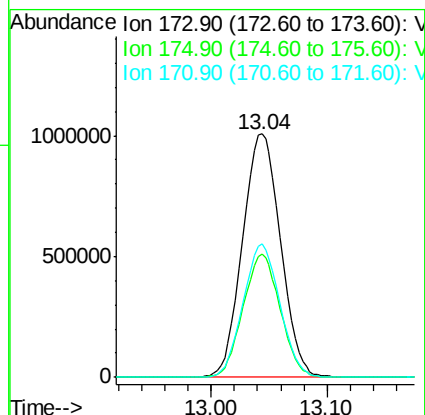
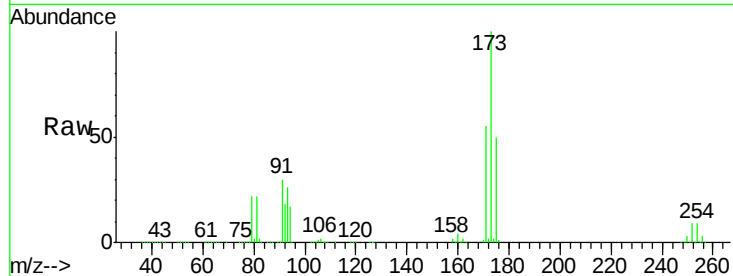
#49
Bromoform
Concen: 12.251 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 2301245
Ion Ratio Lower Upper
173 100
175 49.6 39.8 59.8
171 53.2 42.4 63.6

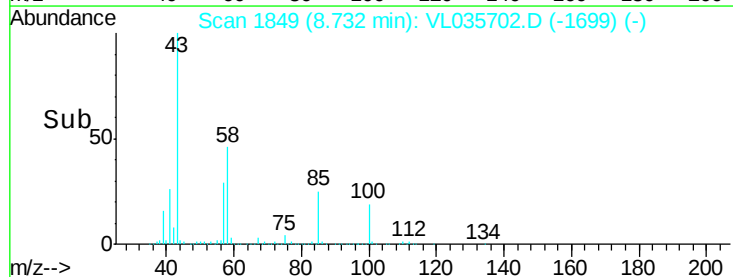
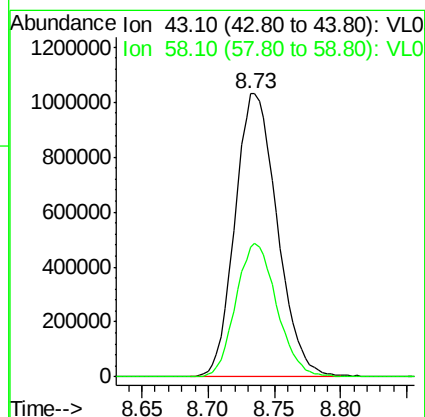
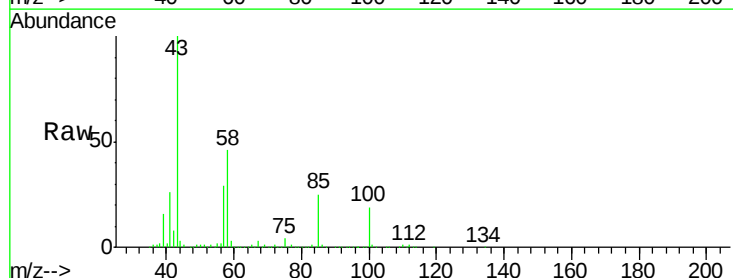
Manual Integrations
APPROVED

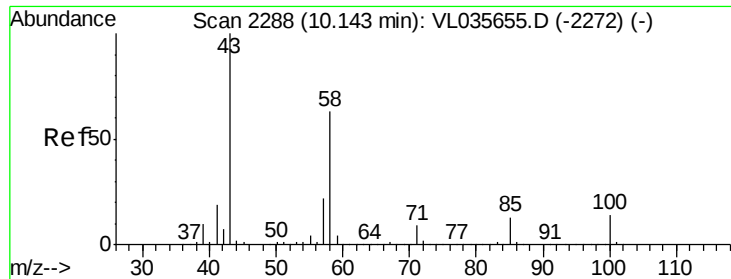
MMDadoda
9/22/2020 2:06:11 PM



#50
4-Methyl-2-Pentanone
Concen: 12.970 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion: 43 Resp: 2274885
Ion Ratio Lower Upper
43 100
58 46.0 37.4 56.0





#51

2-Hexanone

Concen: 13.459 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1936499

Ion Ratio Lower Upper

43 100

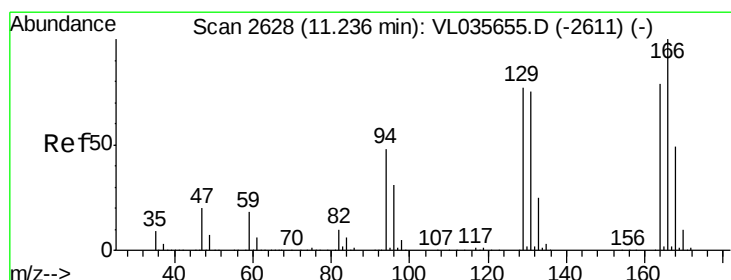
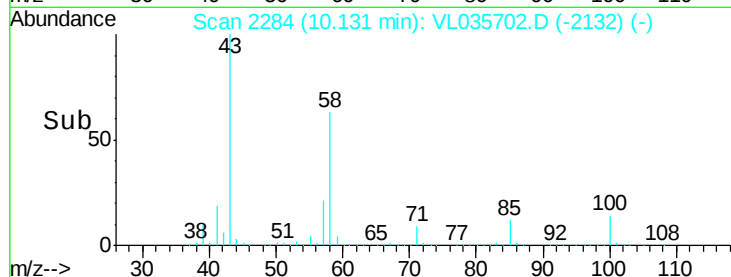
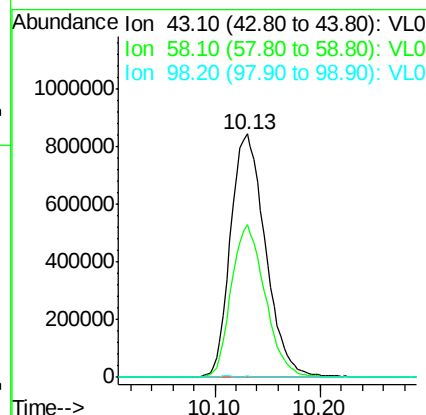
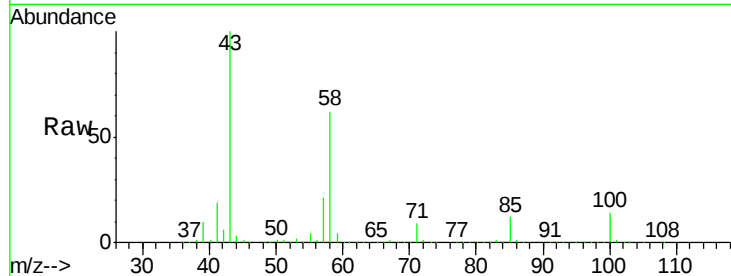
58 60.8 50.2 75.4

98 0.7 0.4 0.6#

Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:06:11 PM



#52

Tetrachloroethene

Concen: 16.223 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tgt Ion: 164 Resp: 2504012

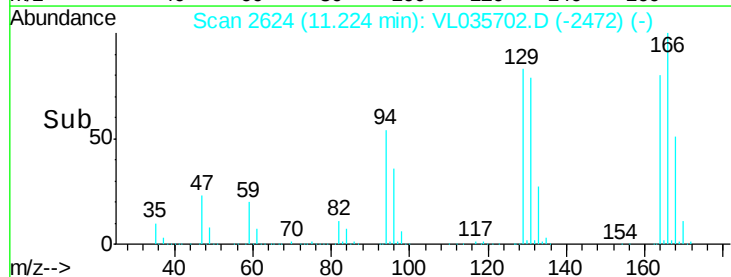
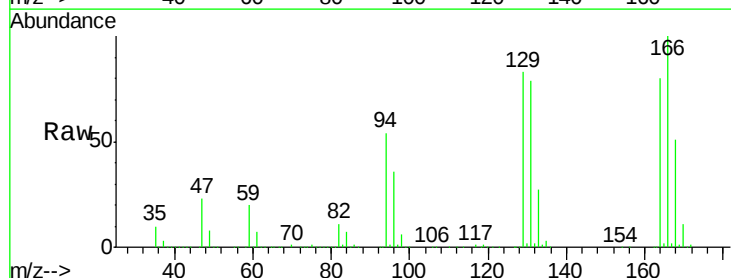
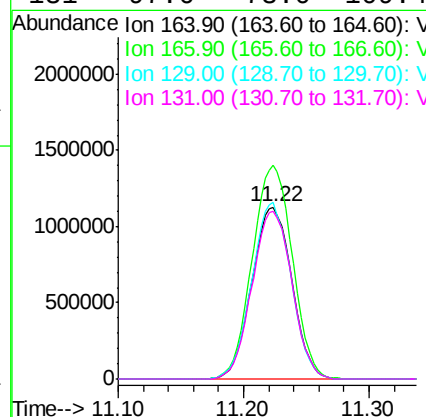
Ion Ratio Lower Upper

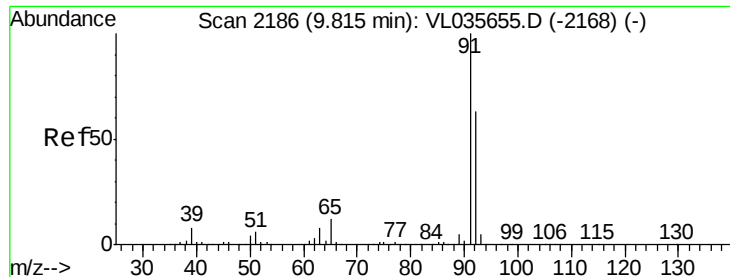
164 100

166 124.3 100.9 151.3

129 103.1 75.3 112.9

131 97.6 73.0 109.4





#53

Toluene

Concen: 11.853 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3938112

Ion Ratio Lower Upper

91 100

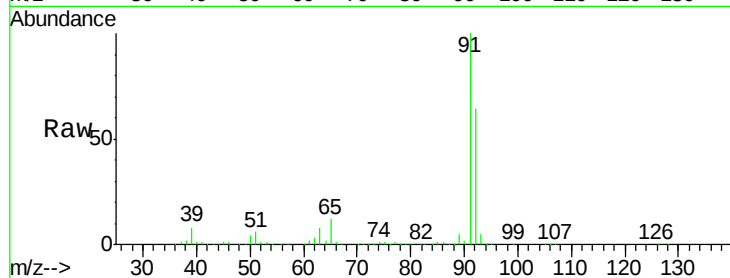
92 62.4 49.8 74.8

Manual Integrations

APPROVED

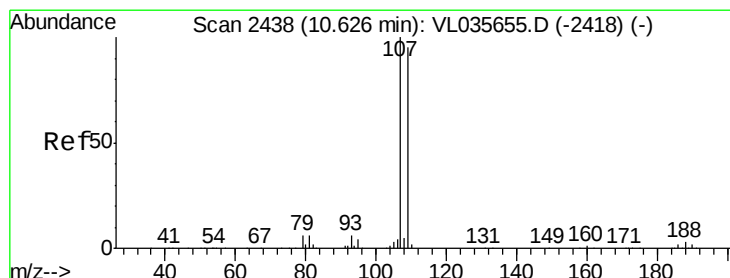
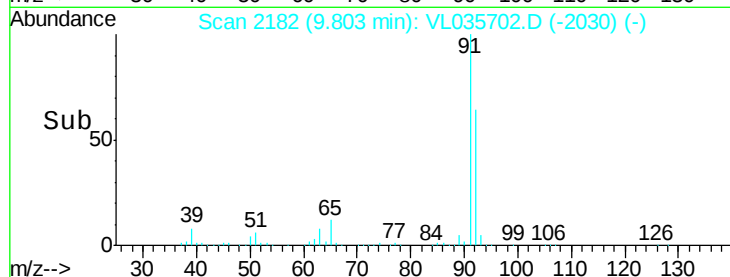
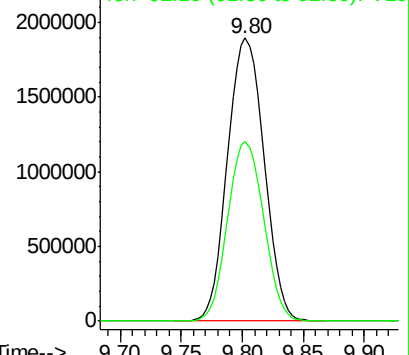
MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.609 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.02 min

Lab File: VL035702.D

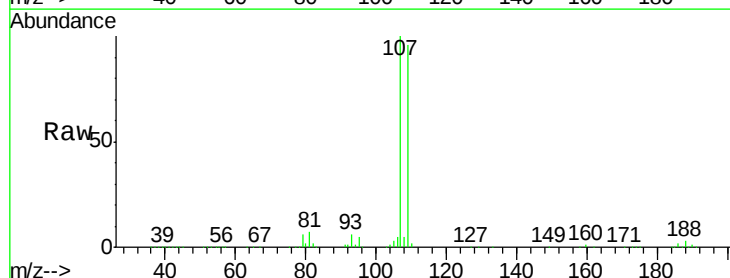
Acq: 22 Sep 2020 8:12

Tgt Ion:107 Resp: 2415721

Ion Ratio Lower Upper

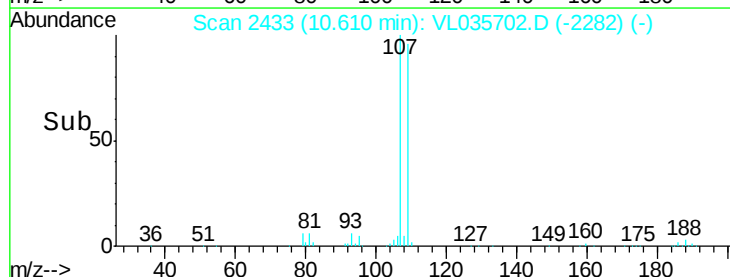
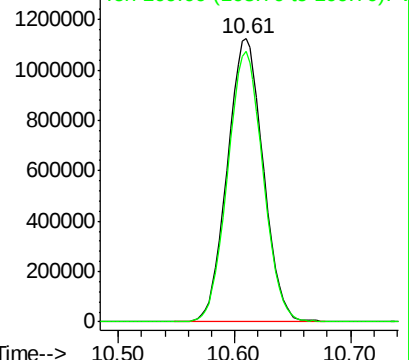
107 100

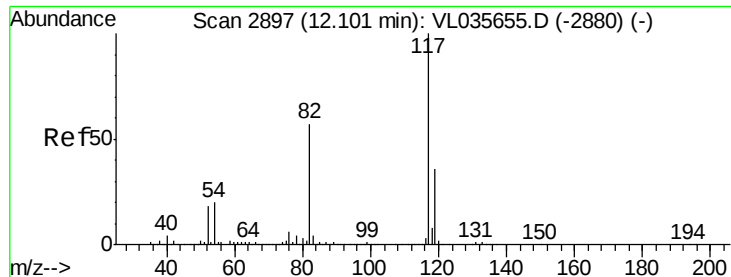
109 95.5 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





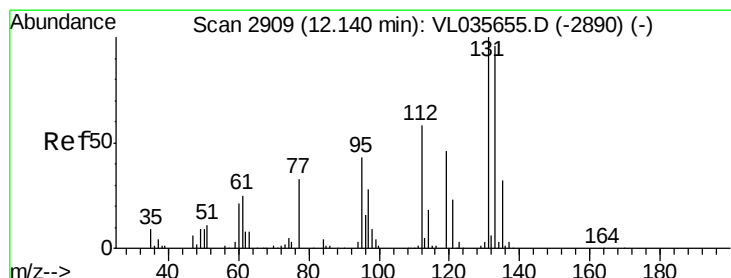
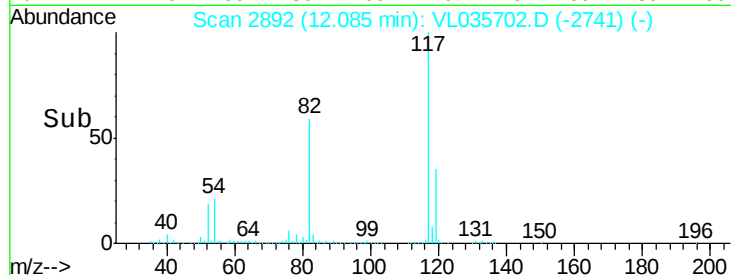
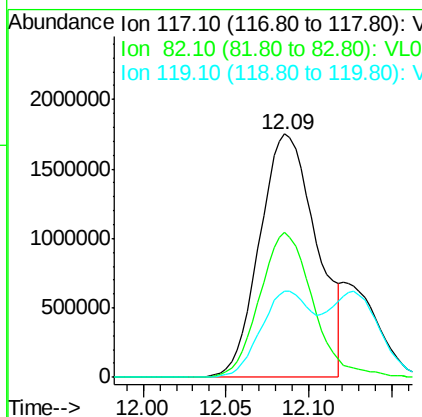
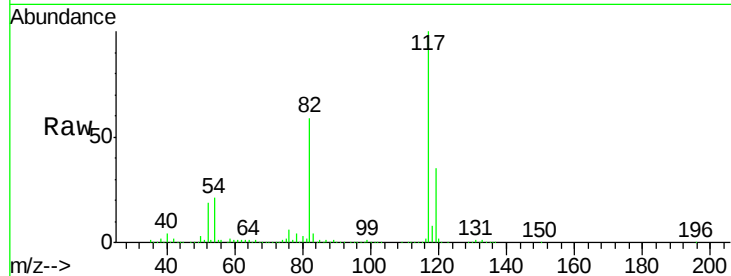
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4180146
Ion Ratio Lower Upper
117 100
82 56.1 41.6 62.4
119 35.4 29.3 43.9

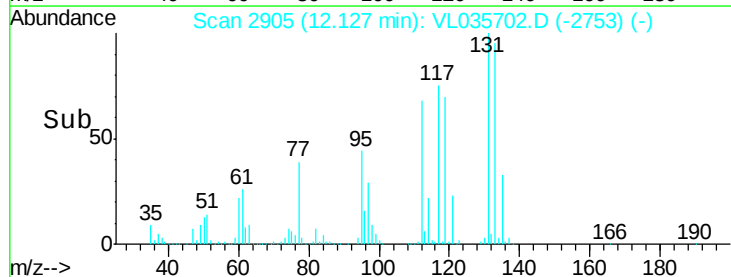
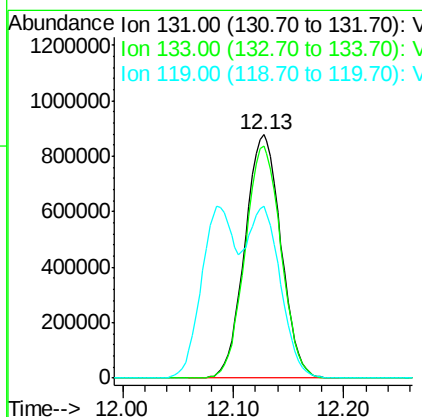
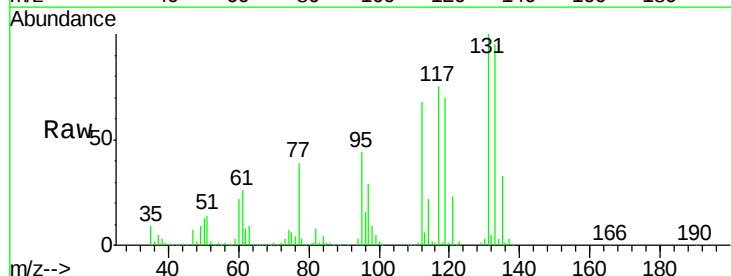
Manual Integrations
APPROVED

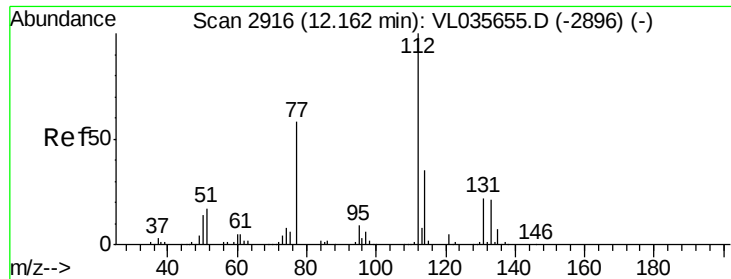
MMDadoda
9/22/2020 2:06:11 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 11.690 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion:131 Resp: 1988346
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 63.9 51.6 77.4





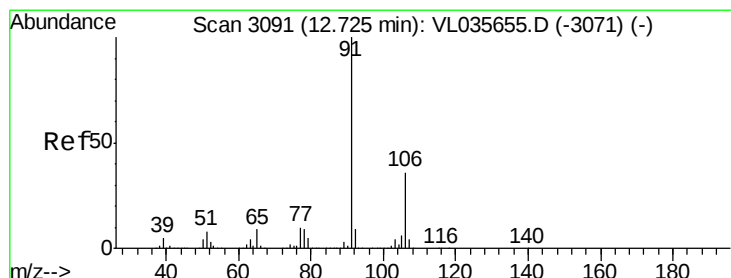
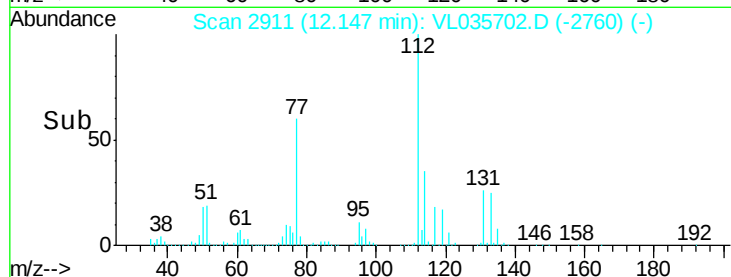
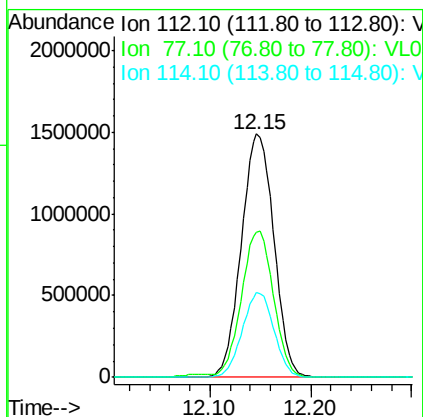
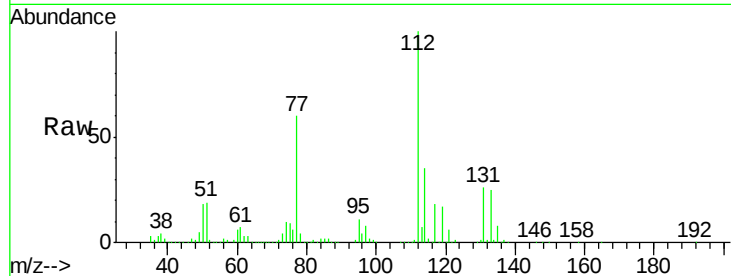
#57
Chlorobenzene
Concen: 10.803 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	59.7	44.2	66.4
114	34.6	31.6	38.6

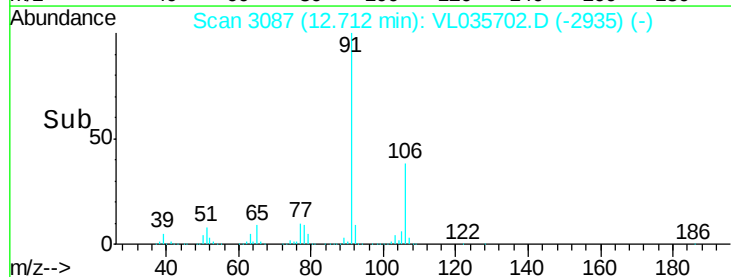
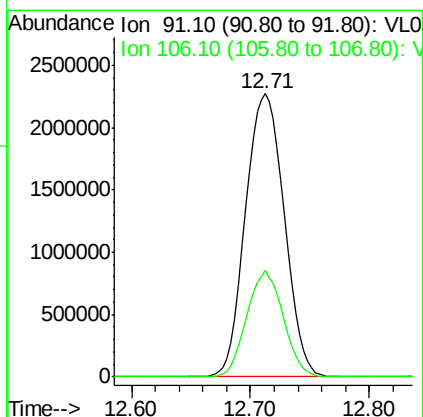
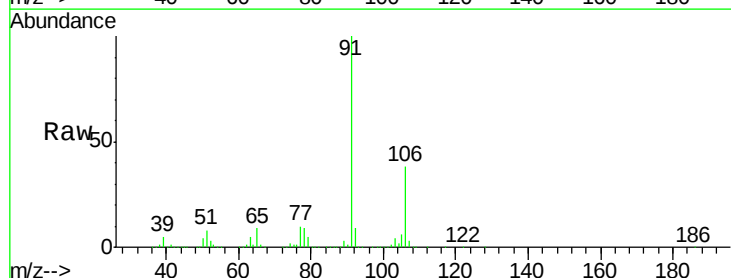
Manual Integrations
APPROVED

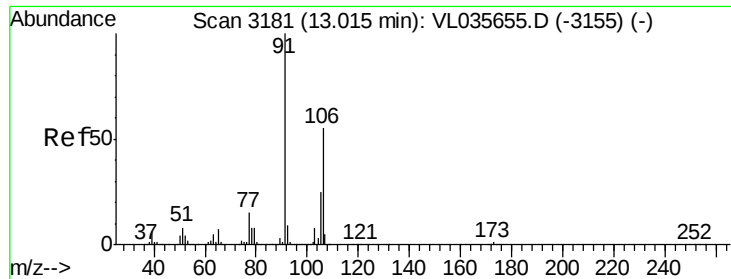
MMDadoda
9/22/2020 2:06:11 PM



#58
Ethyl Benzene
Concen: 11.896 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.6	30.3	45.5





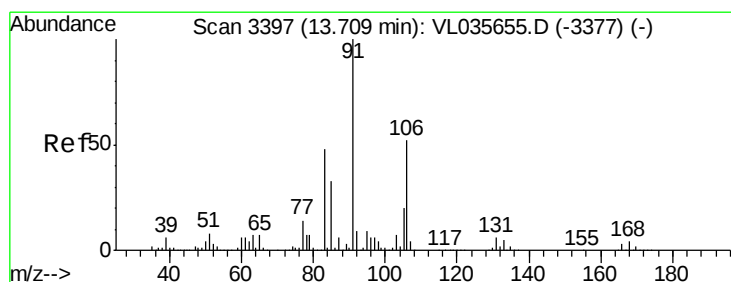
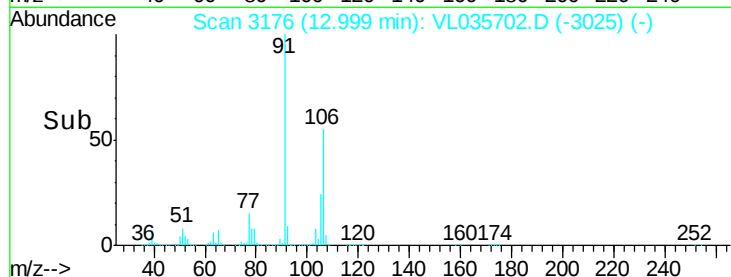
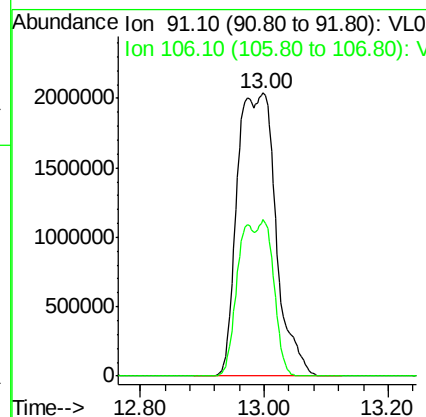
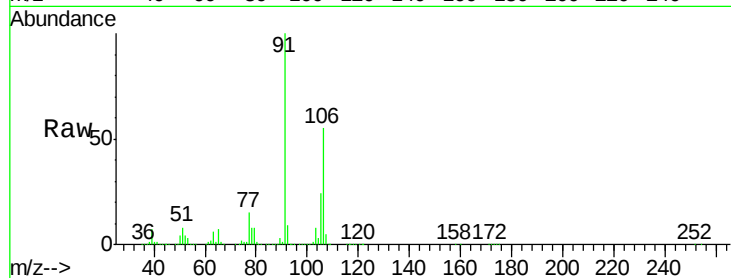
#59
m/p-Xylene
Concen: 24.499 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8824179
Ion Ratio Lower Upper
91 100
106 49.9 43.4 65.2

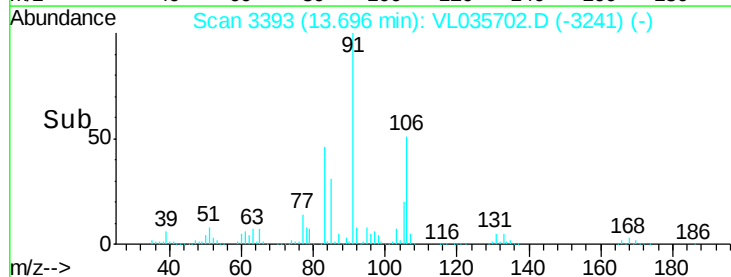
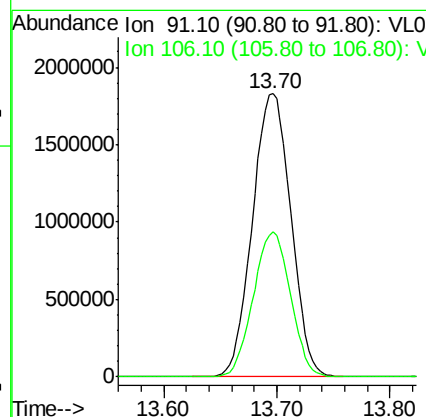
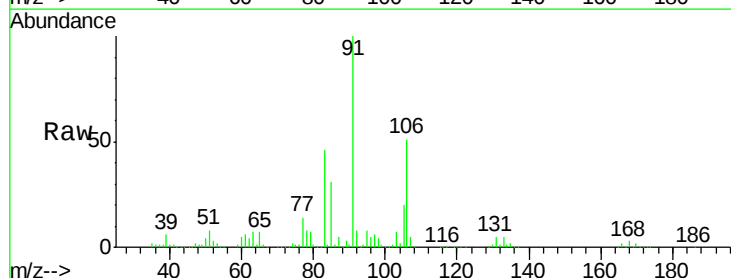
Manual Integrations
APPROVED

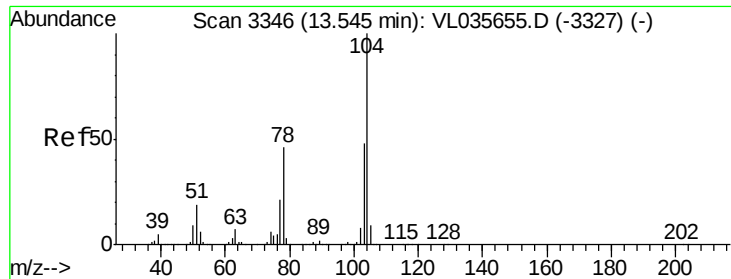
MMDadoda
9/22/2020 2:06:11 PM



#60
o-Xylene
Concen: 11.904 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion: 91 Resp: 4318561
Ion Ratio Lower Upper
91 100
106 49.8 25.8 77.4





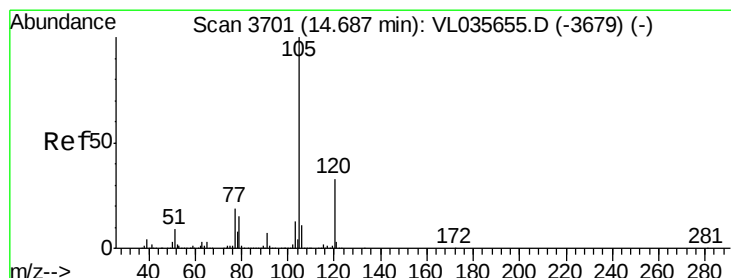
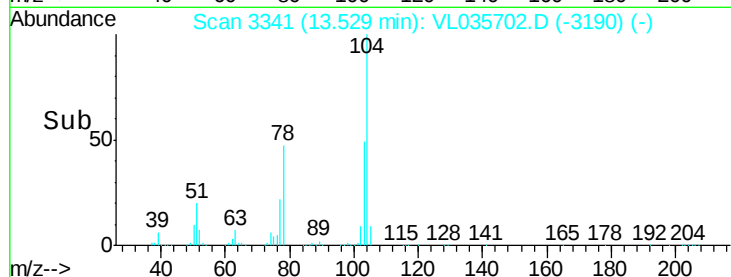
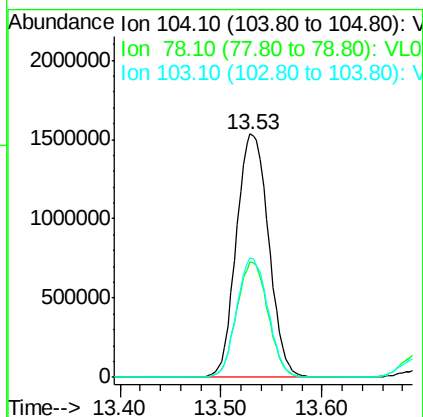
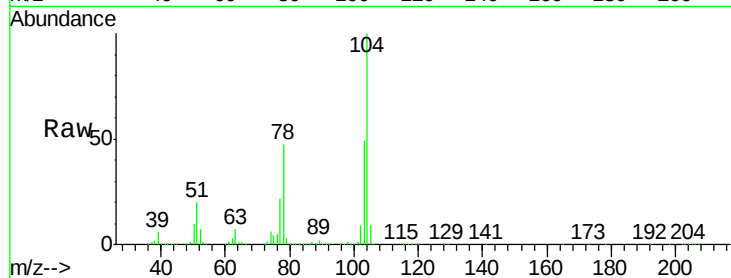
#61
Stvrene
Concen: 12.269 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.1	34.8	52.2
103	47.8	38.2	57.4

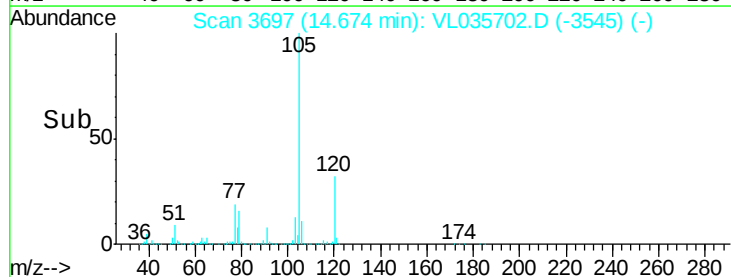
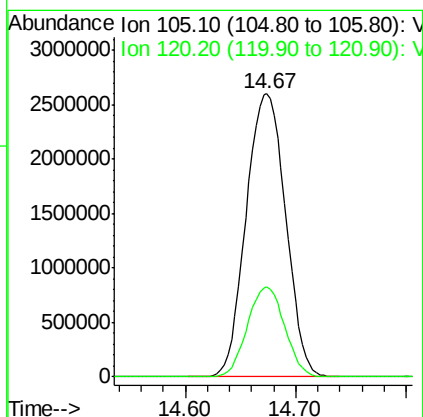
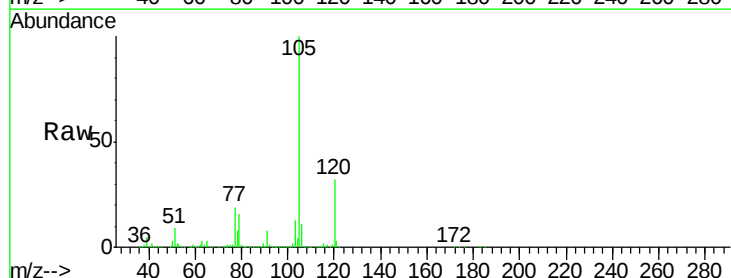
Manual Integrations
APPROVED

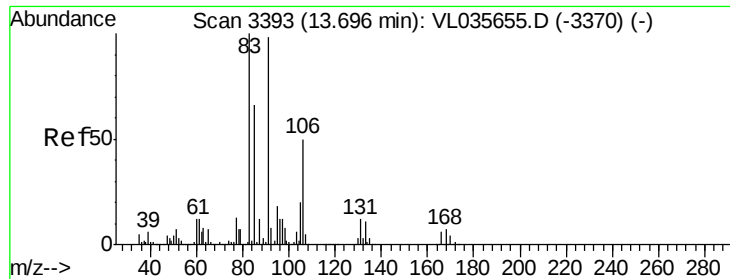
MMDadoda
9/22/2020 2:06:11 PM



#62
Isopropylbenzene
Concen: 11.086 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.0	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 11.222 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3156364

Ion Ratio Lower Upper

83 100

131 10.6 6.0 18.0

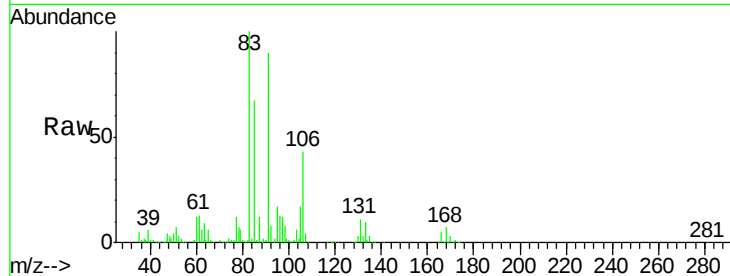
85 66.5 33.4 100.2

Manual Integrations

APPROVED

MMDadoda

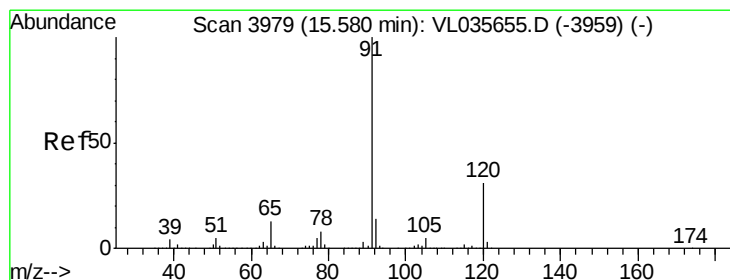
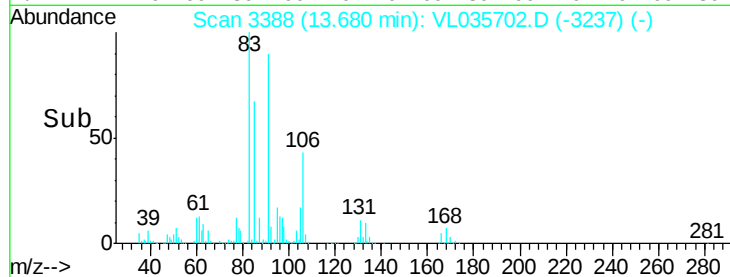
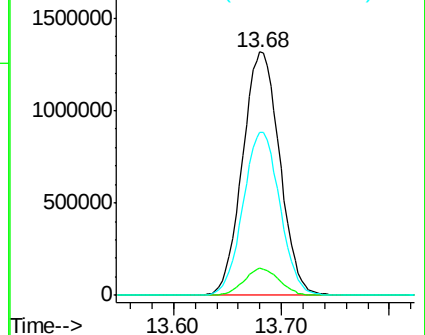
9/22/2020 2:06:11 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.244 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL035702.D

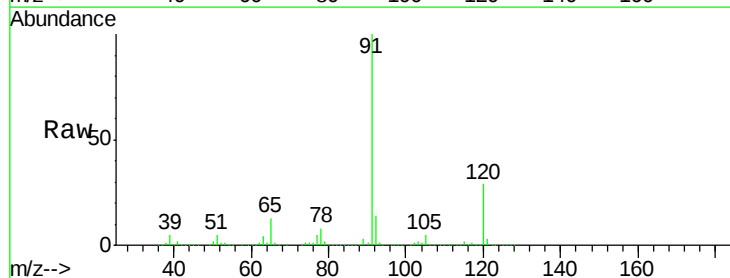
Acq: 22 Sep 2020 8:12

Tgt Ion:120 Resp: 1999643

Ion Ratio Lower Upper

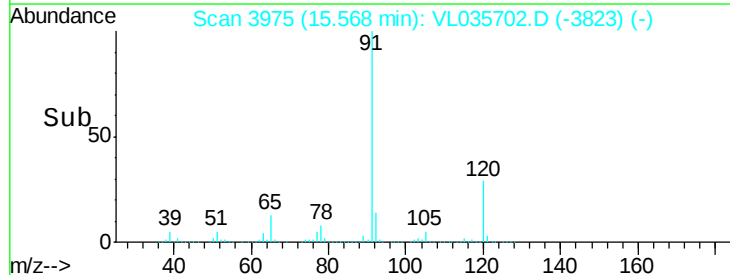
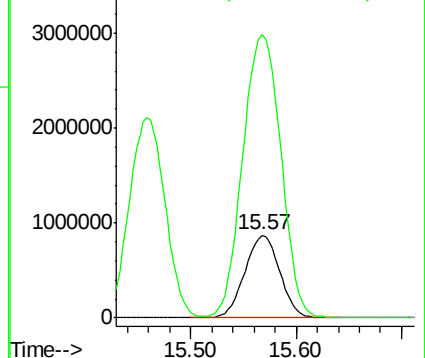
120 100

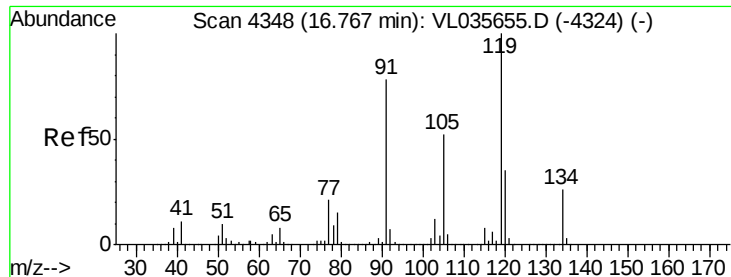
91 377.1 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





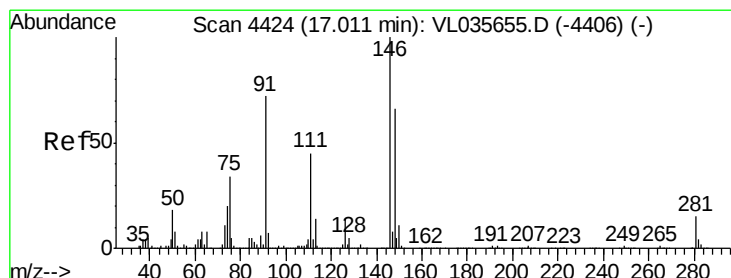
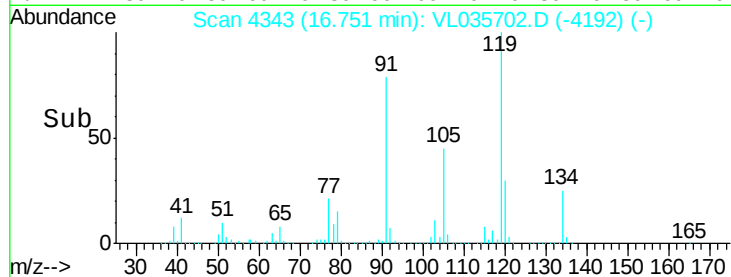
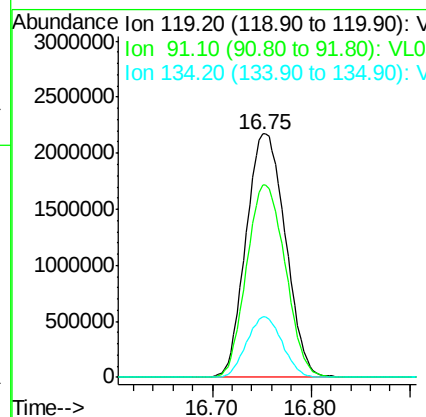
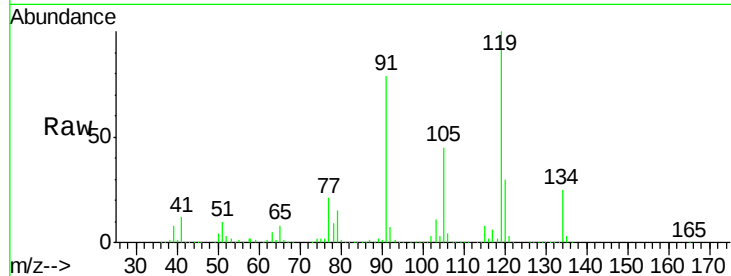
#65
tert-Butylbenzene
Concen: 11.055 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.0	58.6	87.8
134	22.6	18.9	28.3

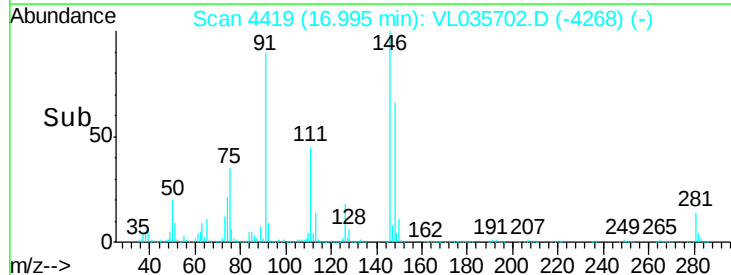
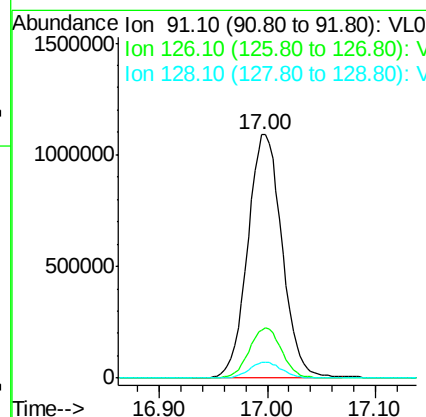
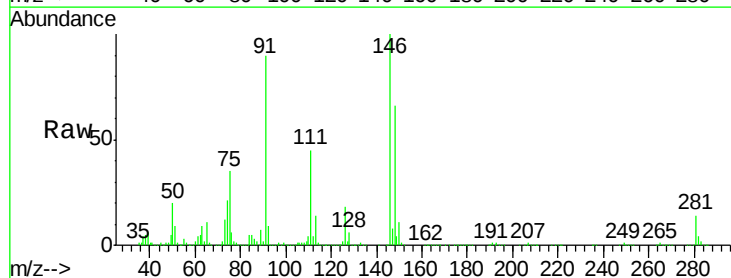
Manual Integrations
APPROVED

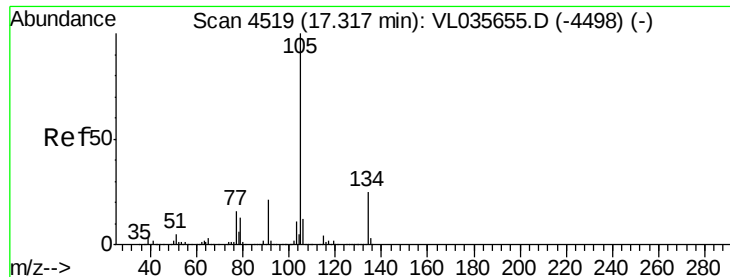
MMDadoda
9/22/2020 2:06:11 PM



#66
Benzyl Chloride
Concen: 17.889 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.02 min
Lab File: VL035702.D
Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.6	17.2	25.8
128	6.3	5.5	8.3





#67

sec-Butylbenzene

Concen: 11.125 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 8029156

Ion Ratio Lower Upper

105 100

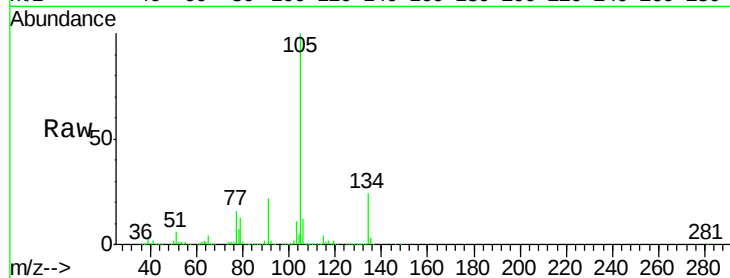
134 22.0 19.1 28.7

Manual Integrations

APPROVED

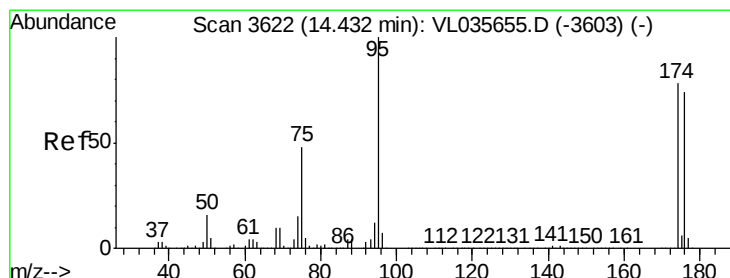
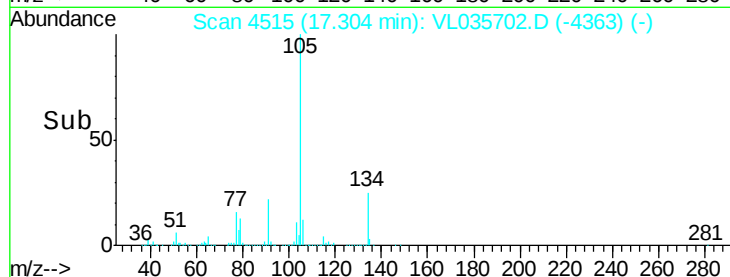
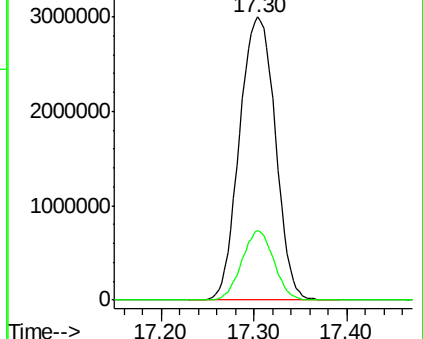
MMDadoda

9/22/2020 2:06:11 PM



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: 10.105 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

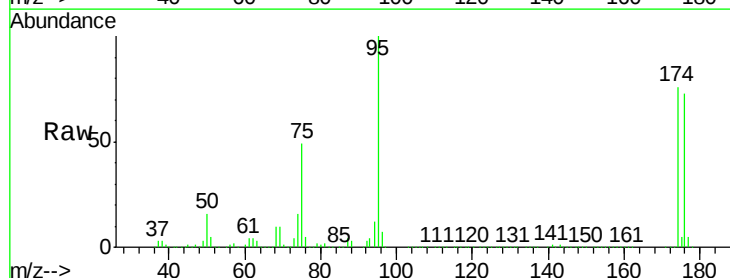
Tgt Ion: 95 Resp: 2999811

Ion Ratio Lower Upper

95 100

174 74.3 69.6 104.4

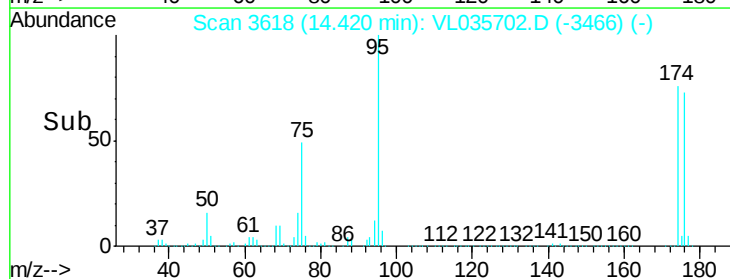
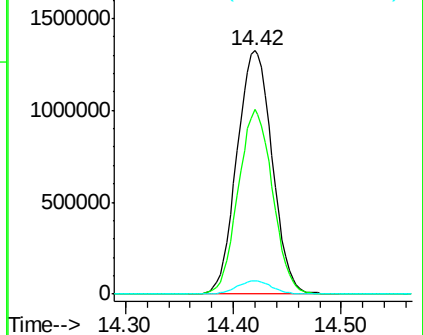
175 5.3 5.1 7.7

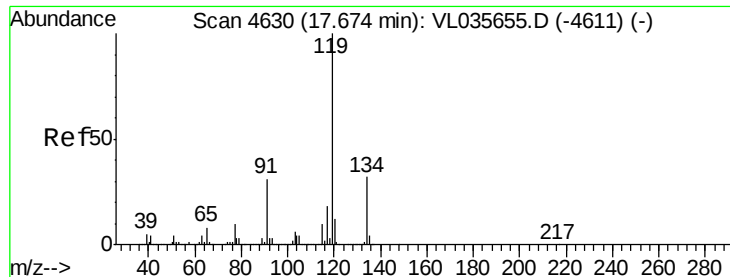


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





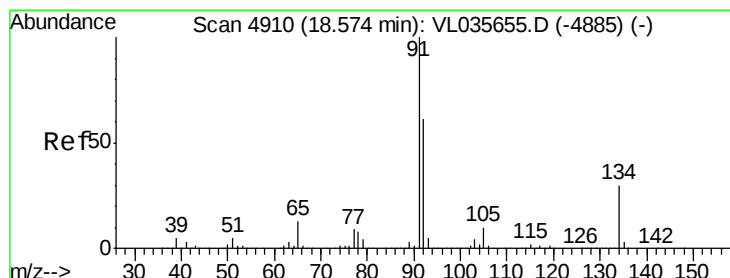
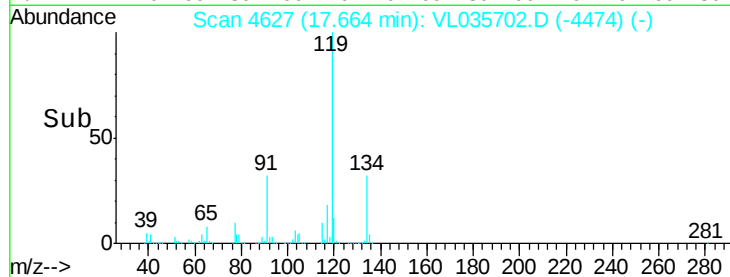
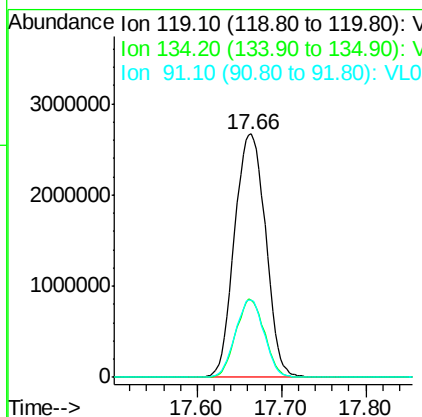
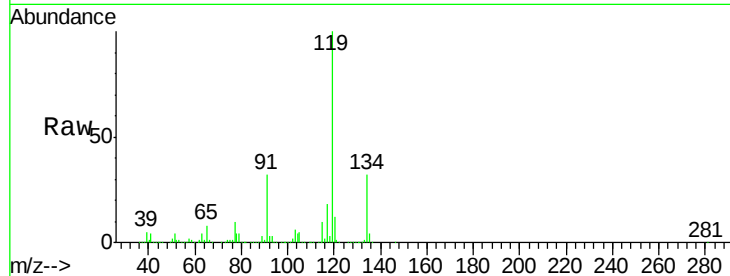
#69
 p-Isopropyltoluene
 Concen: 10.834 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	25.0	37.4
91	29.6	22.3	33.5

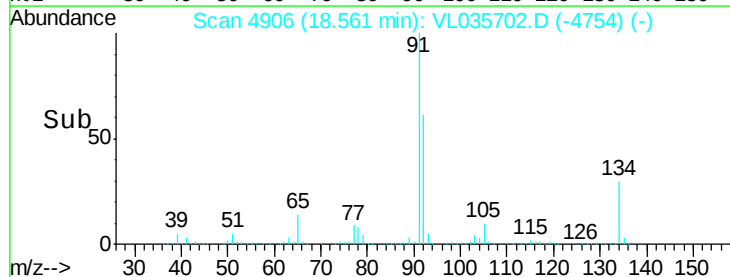
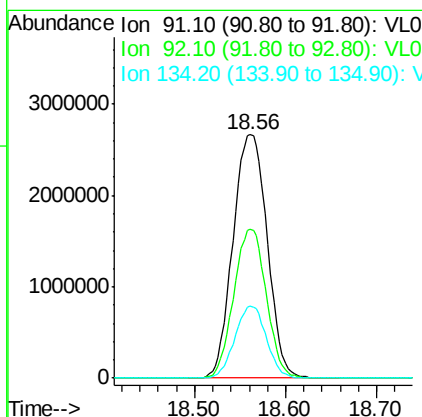
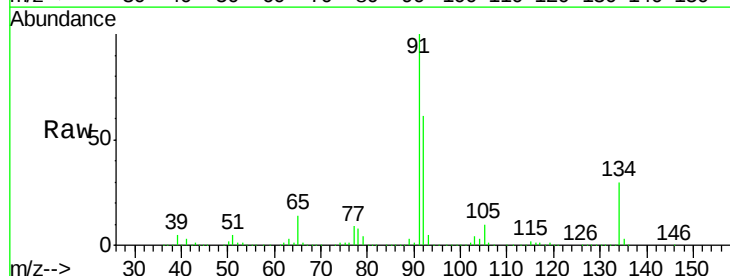
Manual Integrations
 APPROVED

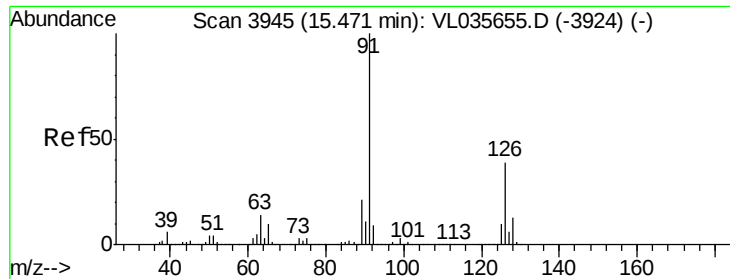
MMDadoda
 9/22/2020 2:06:11 PM



#70
 n-Butylbenzene
 Concen: 11.395 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.3	70.9
134	27.4	24.6	37.0





#71

2-Chlorotoluene

Concen: 11.790 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5003281

Ion Ratio Lower Upper

91 100

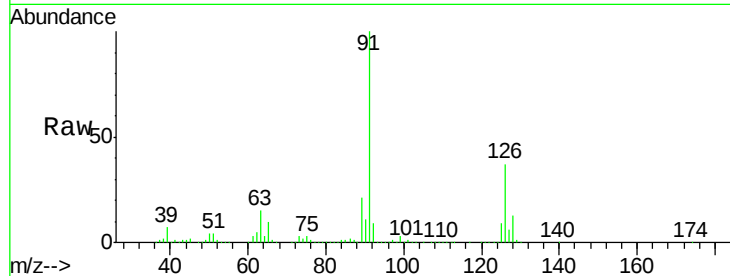
126 36.0 15.6 62.6

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

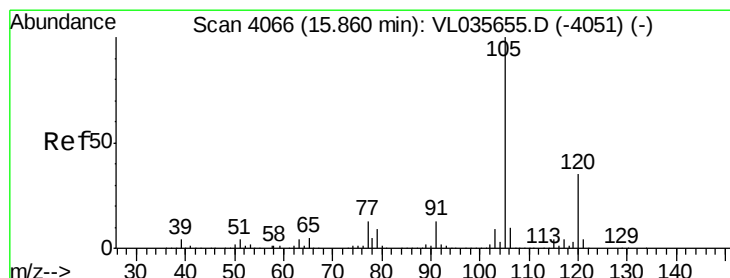
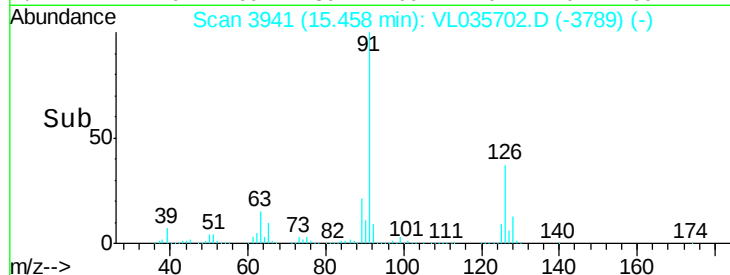
2000000

1000000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 11.591 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tgt Ion:105 Resp: 5345943

Ion Ratio Lower Upper

105 100

120 33.1 27.4 41.2

91 12.7 9.7 14.5

77 13.1 9.6 14.4

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

3000000

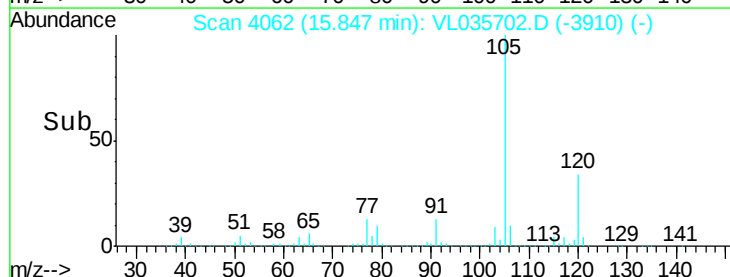
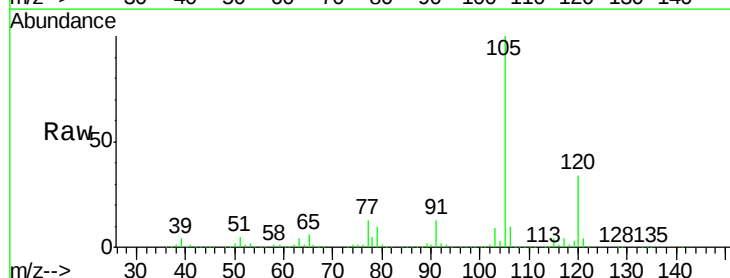
2000000

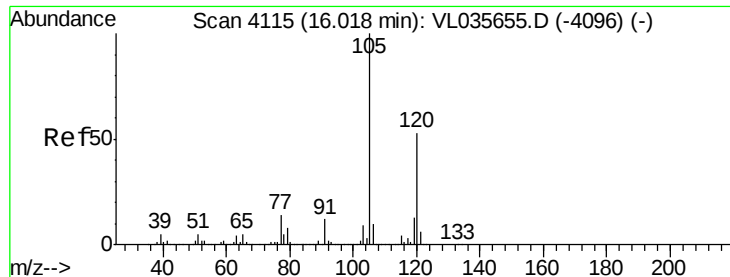
1000000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 11.639 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4964703

Ion Ratio Lower Upper

105 100

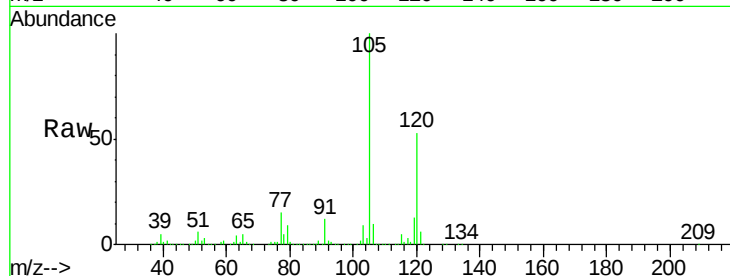
120 52.7 44.2 66.2

Manual Integrations

APPROVED

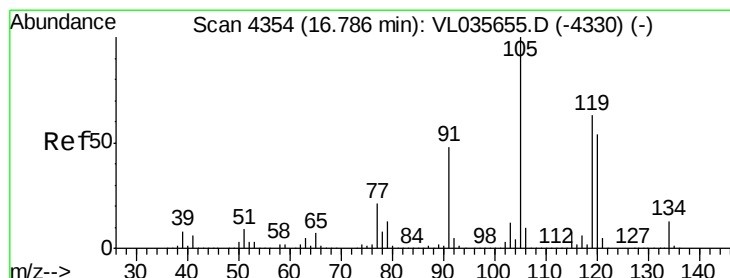
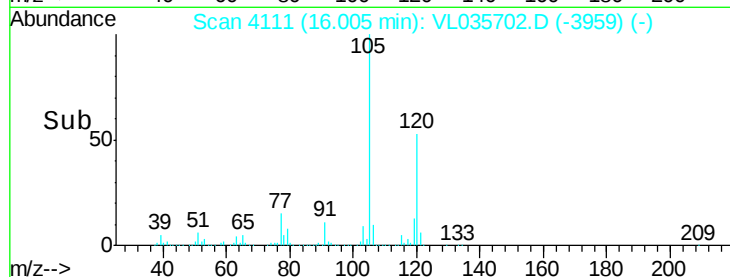
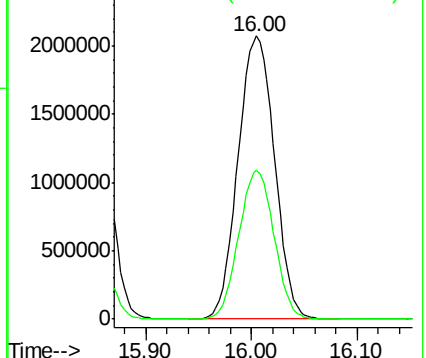
MMDadoda

9/22/2020 2:06:11 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.099 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Tgt Ion:105 Resp: 5199331

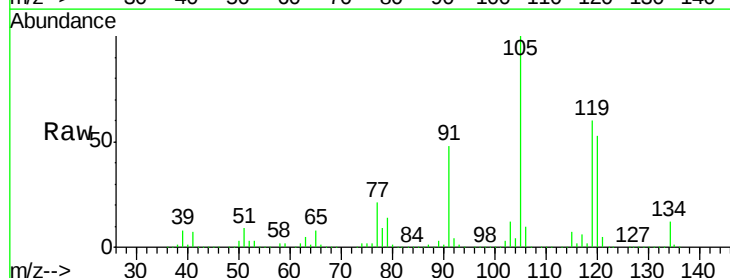
Ion Ratio Lower Upper

105 100

120 53.1 44.4 66.6

91 47.8 37.1 55.7

77 21.3 16.0 24.0

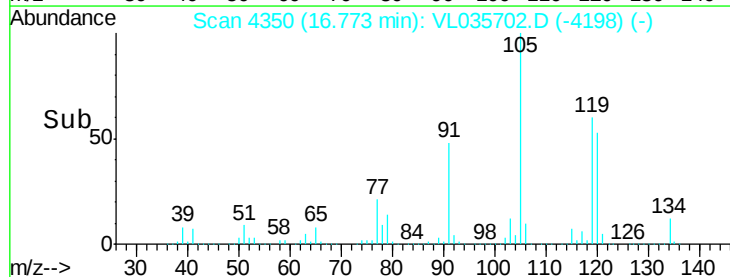
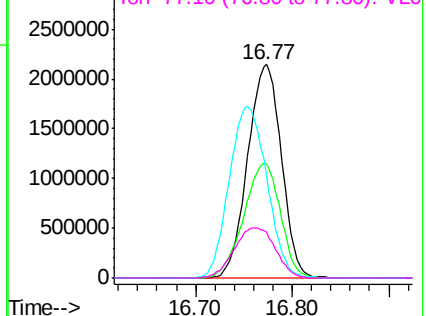


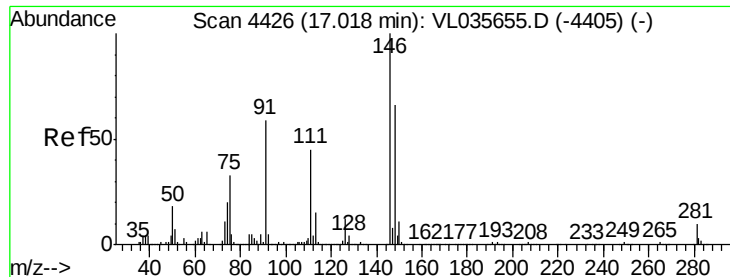
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 10.017 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3475799

Ion Ratio Lower Upper

146 100

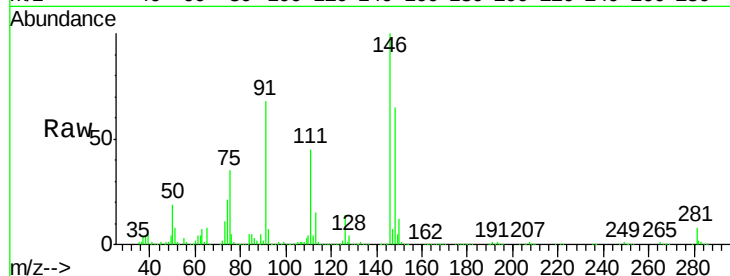
111 44.2 20.7 62.1

148 65.6 33.0 98.9

Manual Integrations
APPROVED

MMDadoda

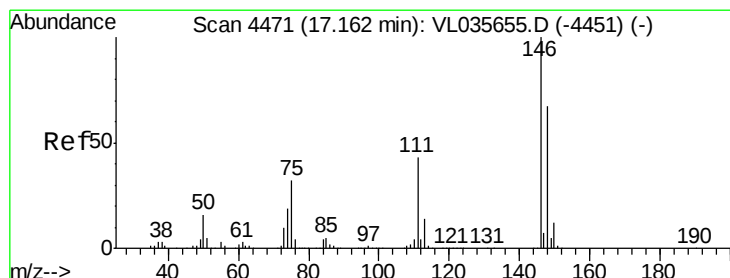
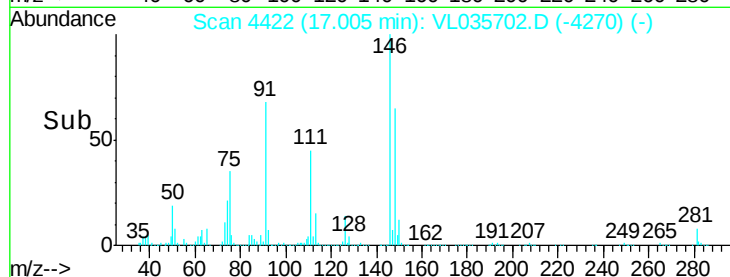
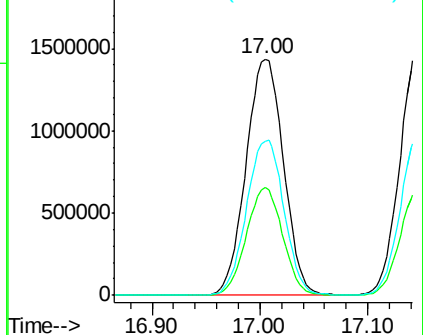
9/22/2020 2:06:11 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.189 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

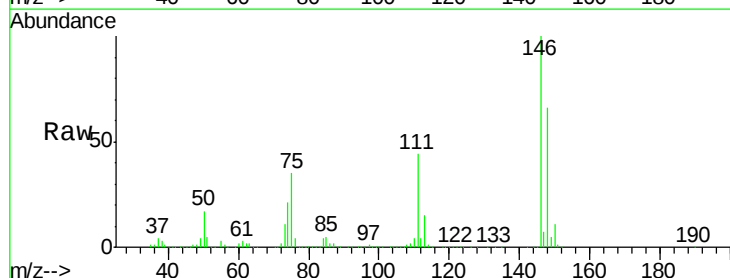
Tgt Ion:146 Resp: 3486817

Ion Ratio Lower Upper

146 100

111 42.9 20.0 60.0

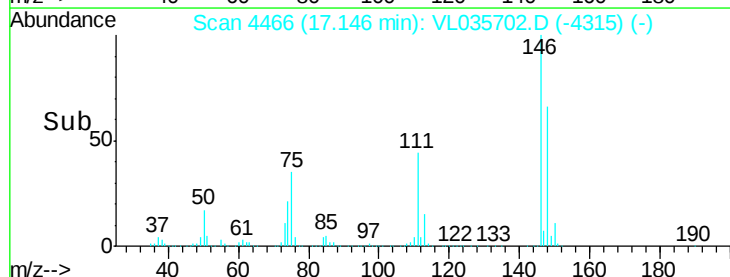
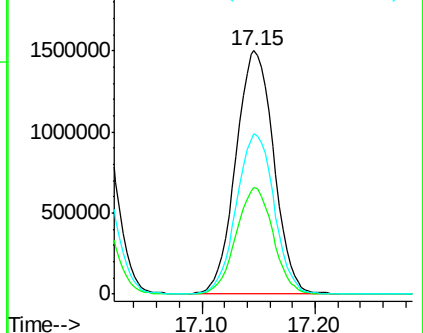
148 66.0 33.2 99.6

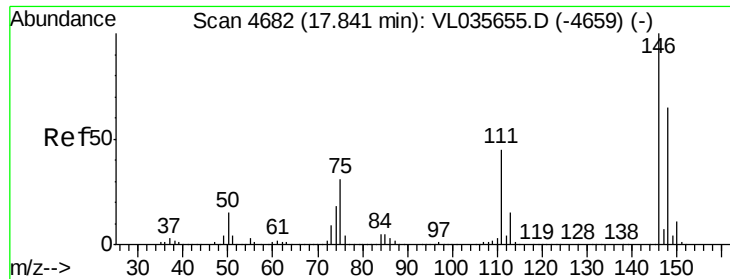


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





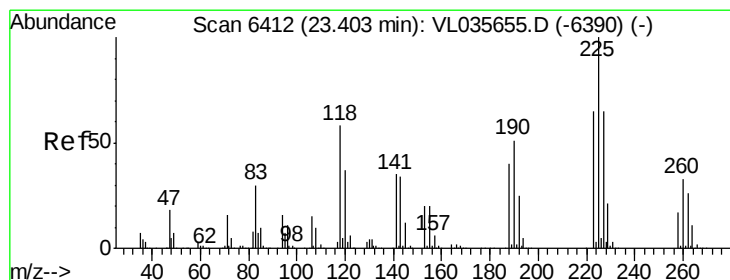
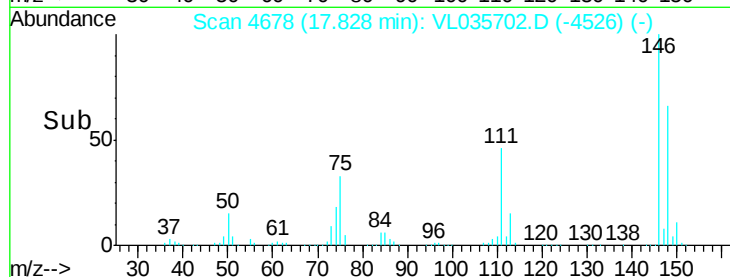
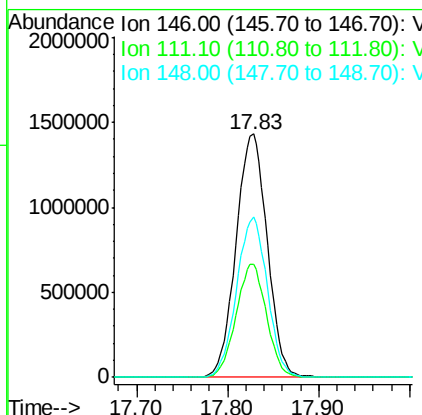
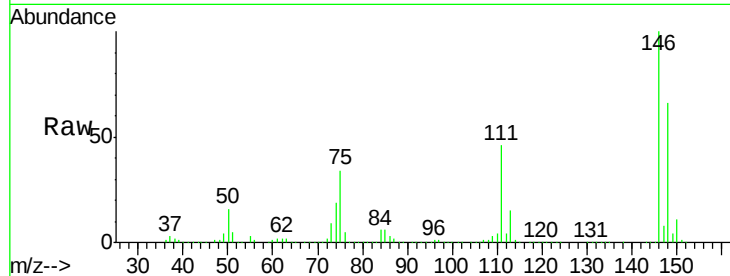
#77
 1,2-Dichlorobenzene
 Concen: 10.143 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.1	63.3
148	65.2	32.9	98.7

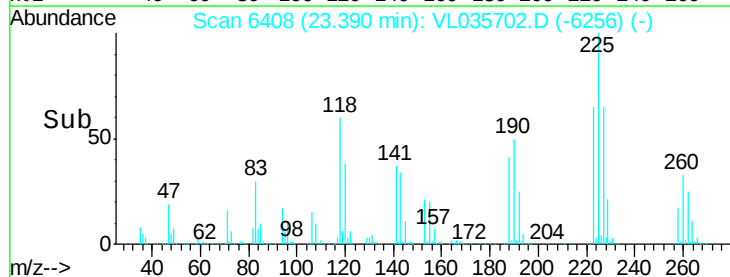
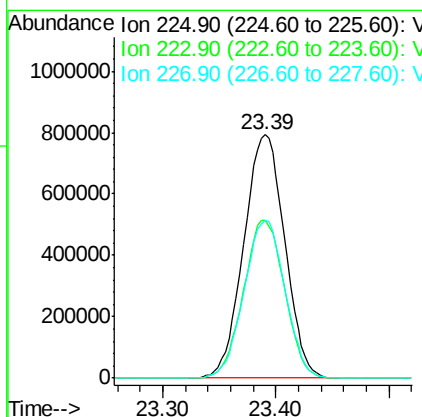
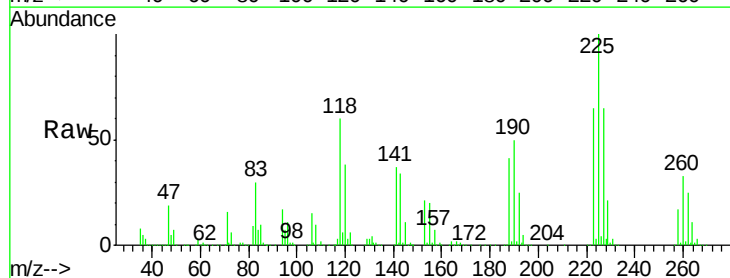
Manual Integrations
 APPROVED

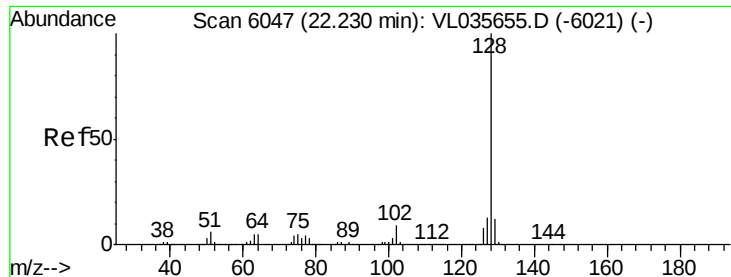
MMDadoda
 9/22/2020 2:06:11 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.303 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.7	77.5
227	64.7	51.5	77.3





#79

Naphthalene

Concen: 11.005 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. -0.02 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 5720187

Ion Ratio Lower Upper

128 100

127 13.9 11.4 17.2

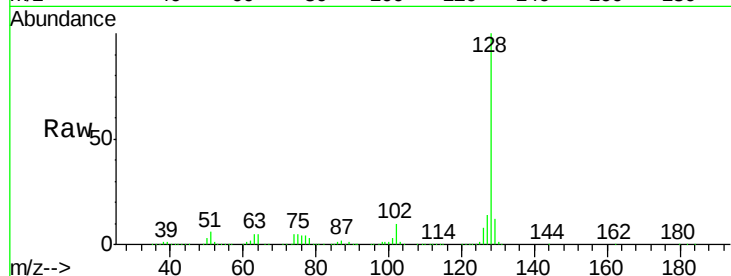
129 12.4 10.5 15.7

Manual Integrations

APPROVED

MMDadoda

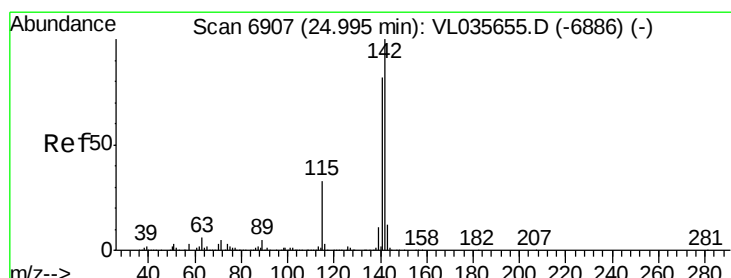
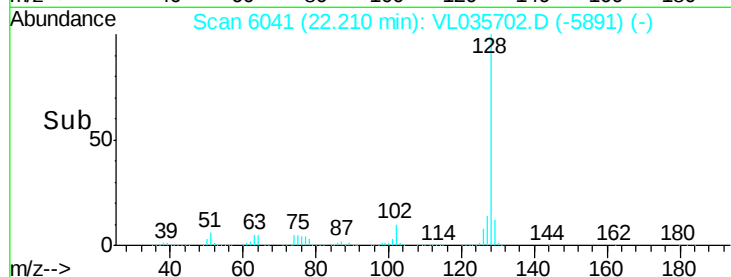
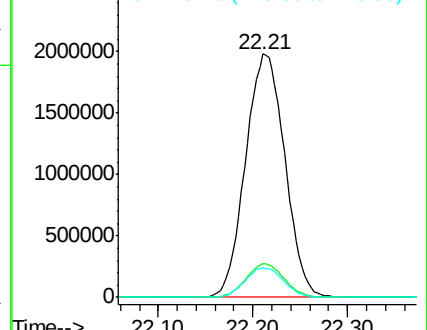
9/22/2020 2:06:11 PM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.537 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. -0.01 min

Lab File: VL035702.D

Acq: 22 Sep 2020 8:12

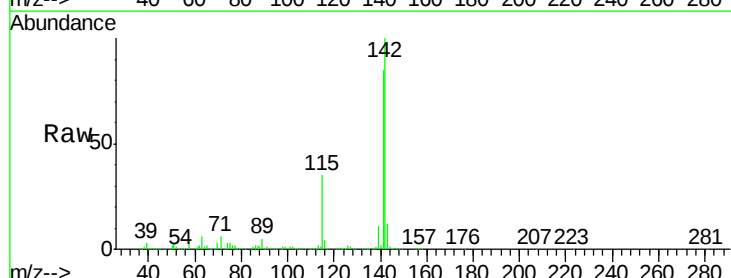
Tgt Ion:142 Resp: 2046730

Ion Ratio Lower Upper

142 100

141 84.5 67.6 101.4

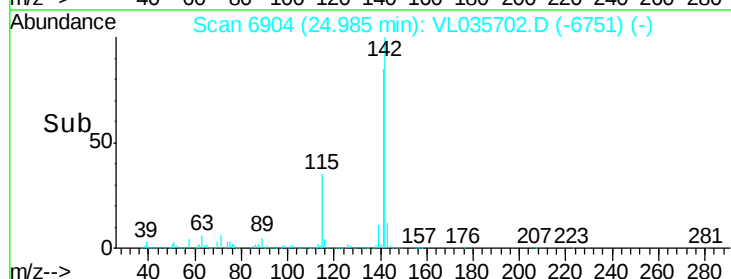
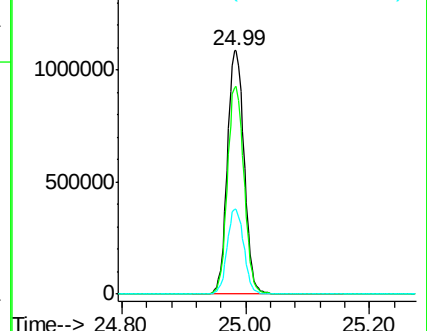
115 34.7 25.8 38.8

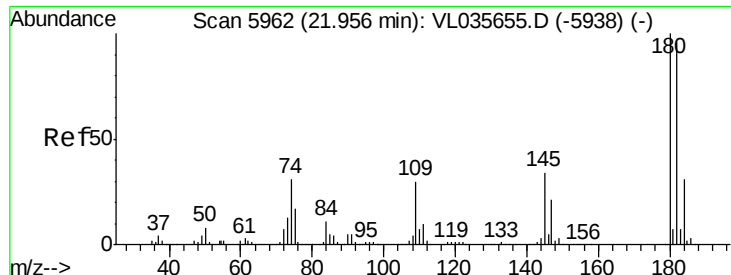


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.438 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.01 min
 Lab File: VL035702.D
 Acq: 22 Sep 2020 8:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
184	31.3	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:06:11 PM

