

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034912.D
 Acq On : 17 Mar 2020 5:11
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:16:31 PM

Quant Time: Mar 17 07:26:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	894408	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1910241	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2011384	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1598385	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1713585	13.991	ppbv	98
3) Chlorodifluoromethane	2.95	51	1074738	10.757	ppbv	97
4) Chloromethane	3.10	50	637031	11.281	ppbv	97
5) Vinyl Chloride	3.22	62	605623	11.156	ppbv	95
6) Bromomethane	3.44	94	364640	11.538	ppbv	97
7) Chloroethane	3.52	64	222561	11.353	ppbv	99
8) Dichlorotetrafluoroethane	3.15	85	1358444	10.680	ppbv	94
9) Propene	2.97	41	498177	10.443	ppbv	99
10) Heptane	8.13	43	1326938	11.303	ppbv	100
11) Trichlorofluoromethane	3.92	101	1395283	10.708	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	988354	10.838	ppbv	95
13) Ethanol	3.57	45	134524	9.276	ppbv	90
14) Bromoethene	3.71	108	429635	10.908	ppbv	99
15) Acetone	3.82	43	1280587	11.047	ppbv	97
16) 1,3-Butadiene	3.29	39	570714	10.887	ppbv	98
17) tert-Butyl alcohol	4.27	59	913841	8.182	ppbv	99
18) 1,1-Dichloroethene	4.26	96	449746	11.136	ppbv	99
19) Isopropyl Alcohol	3.94	45	676092	9.236	ppbv #	41
20) Methylene Chloride	4.32	84	396605	10.821	ppbv	98
21) Allyl Chloride	4.39	41	801607	10.767	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	453092	11.059	ppbv	99
23) Vinyl Acetate	5.06	43	1858917	10.856	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1207962	10.523	ppbv	100
25) Ethyl Acetate	5.66	43	2158791	10.453	ppbv	100
26) Hexane	5.67	57	967429	10.878	ppbv	98
27) Carbon Disulfide	4.52	76	1152076	11.416	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1439943	9.731	ppbv	99
29) Chloroform	5.74	83	1477575	10.889	ppbv	97
30) Cyclohexane	7.13	84	801886	10.807	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	967104	10.633	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1416519	10.714	ppbv	98
34) 2-Butanone	5.23	43	1467504	11.560	ppbv	100
35) Carbon Tetrachloride	7.02	117	1443184	12.147	ppbv	99
36) Benzene	6.89	78	1930402	11.337	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1145973	11.936	ppbv	98
38) Trichloroethene	7.84	130	724613	11.205	ppbv	96
39) 1,2-Dichloropropane	7.62	63	749876	11.116	ppbv	94
40) 1,4-Dioxane	7.84	88	270371	10.612	ppbv #	94
41) Tetrahydrofuran	6.04	42	796513	11.596	ppbv	98
42) Bromodichloromethane	7.80	83	1547405	11.826	ppbv	97
43) Methyl Methacrylate	8.02	69	874983	12.198	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034912.D
 Acq On : 17 Mar 2020 5:11
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

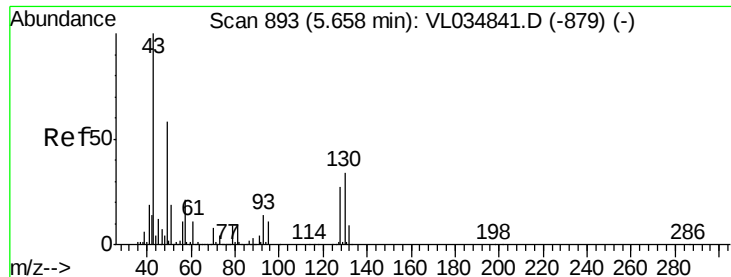
MMDadoda
 3/17/2020 12:16:31 PM

Quant Time: Mar 17 07:26:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	3365811	11.698	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	997241	11.833	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1164290	11.626	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	788359	11.387	ppbv	98
48) Dibromochloromethane	10.32	129	1247228	11.124	ppbv	100
49) Bromoform	13.07	173	1086605	10.870	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2178920	11.924	ppbv	99
51) 2-Hexanone	10.15	43	1740714	11.721	ppbv #	100
52) Tetrachloroethene	11.24	164	658468	9.775	ppbv	97
53) Toluene	9.82	91	2227397	11.328	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1168885	11.216	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	951629	10.532	ppbv	95
57) Chlorobenzene	12.17	112	1637905	10.408	ppbv	95
58) Ethyl Benzene	12.73	91	2956841	10.855	ppbv	96
59) m/p-Xylene	13.02	91	4886123m	21.411	ppbv	
60) o-Xylene	13.72	91	2386377	10.710	ppbv	98
61) Styrene	13.55	104	1726783	11.043	ppbv	98
62) Isopropylbenzene	14.70	105	3499067	10.386	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1673198	11.062	ppbv	99
64) n-propylbenzene	15.59	120	917476	10.463	ppbv	92
65) tert-Butylbenzene	16.78	119	3029323	10.286	ppbv	97
66) Benzyl Chloride	17.02	91	1260769	10.266	ppbv	96
67) sec-Butylbenzene	17.33	105	4356319	10.667	ppbv	98
69) p-Isopropyltoluene	17.69	119	3590670	10.486	ppbv	99
70) n-Butylbenzene	18.58	91	3853942	11.031	ppbv	99
71) 2-Chlorotoluene	15.48	91	2674552	10.483	ppbv	98
72) 4-Ethyltoluene	15.87	105	2833749	10.769	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2673624	10.854	ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	2779312	10.952	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1590505	10.394	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1574195	10.309	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	1564150	10.545	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1336809	10.791	ppbv	100
79) Naphthalene	22.25	128	2698976	13.637	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	963164	18.623	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1529289	12.163	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

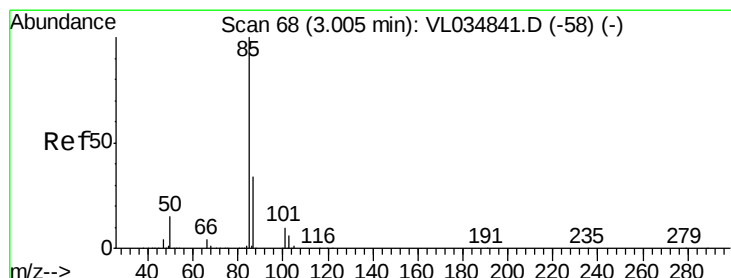
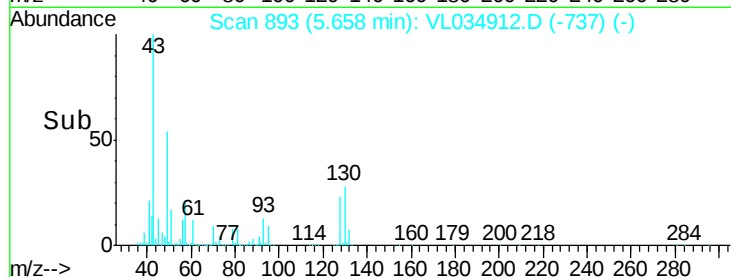
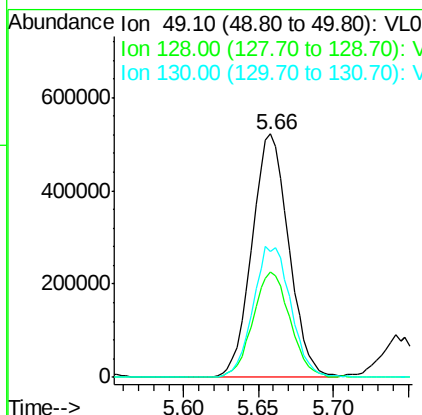
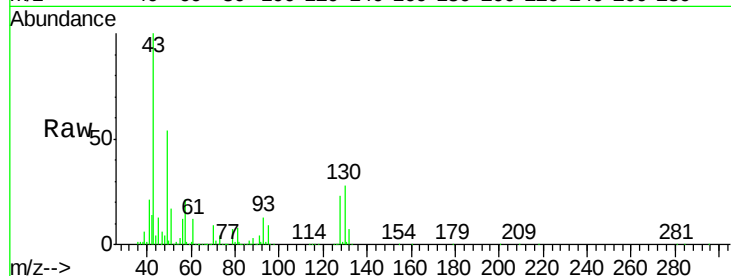
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.9	23.4	70.3
130	55.0	30.0	90.0

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:16:31 PM



#2

Dichlorodifluoromethane

Concen: 13.991 ppbv

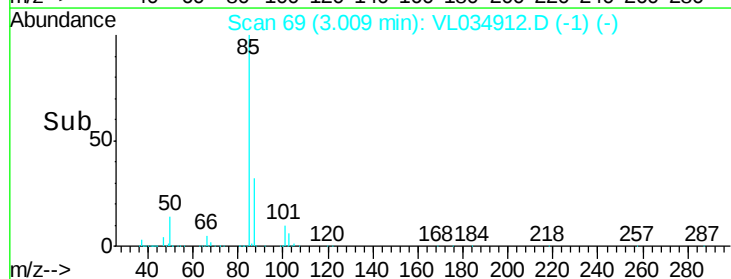
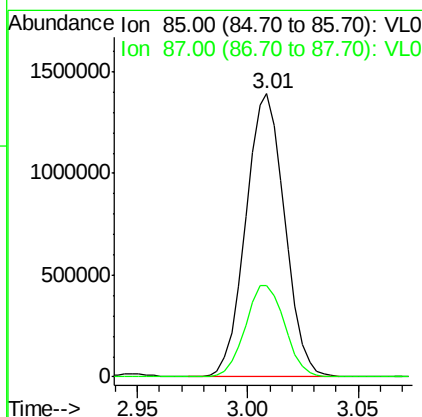
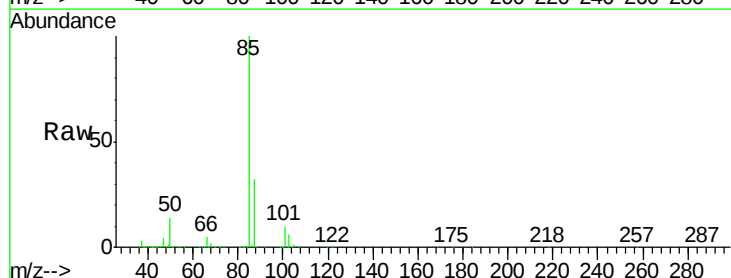
RT: 3.01 min Scan# 69

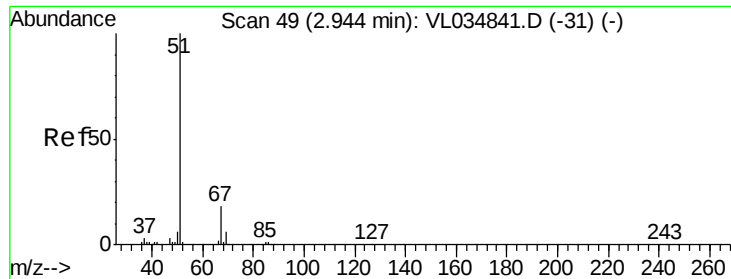
Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.9	40.3





#3

Chlorodifluoromethane

Concen: 10.757 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1074738

Ion Ratio Lower Upper

51 100

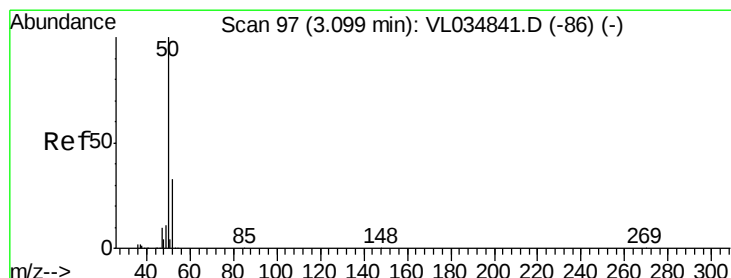
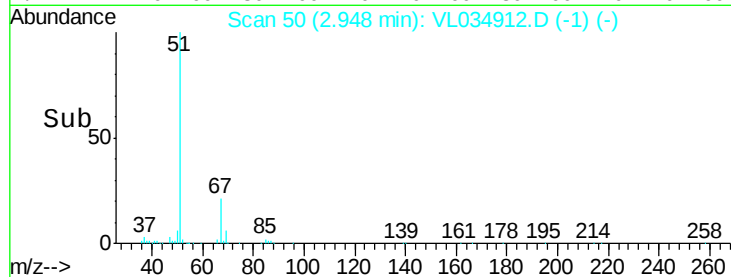
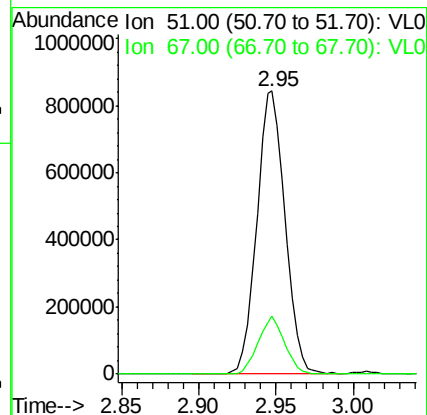
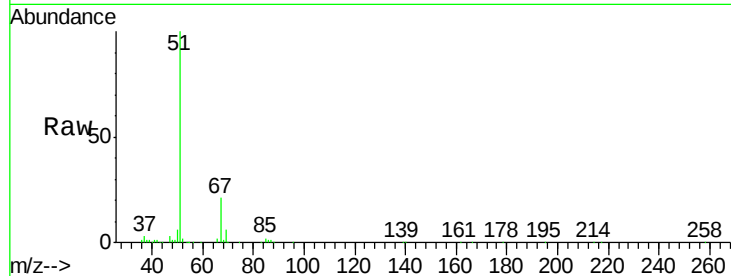
67 19.2 14.3 21.5

Manual Integrations

APPROVED

MMDadoda

3/17/2020 12:16:31 PM



#4

Chloromethane

Concen: 11.281 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034912.D

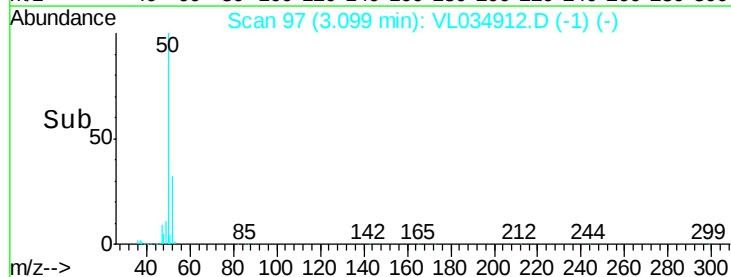
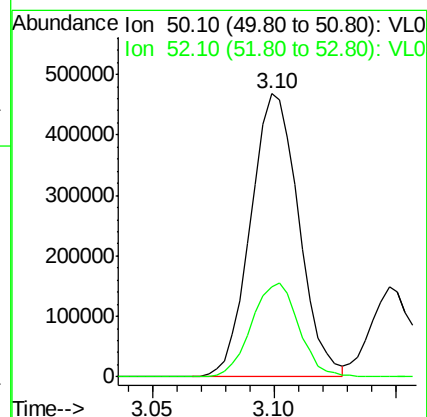
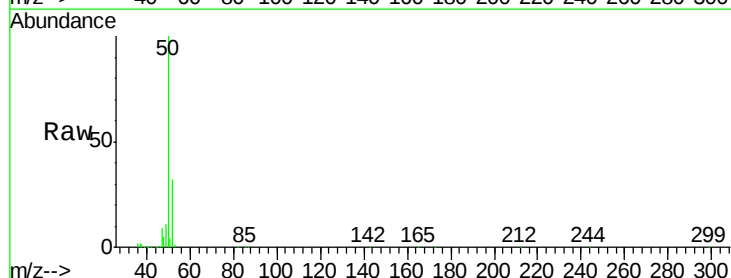
Acq: 17 Mar 2020 5:11

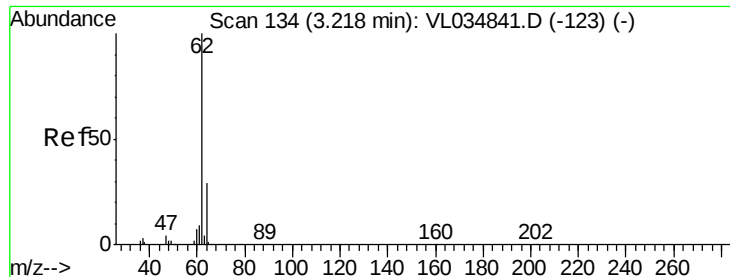
Tgt Ion: 50 Resp: 637031

Ion Ratio Lower Upper

50 100

52 31.7 26.8 40.2





#5

Vinyl Chloride

Concen: 11.156 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 605623

Ion Ratio Lower Upper

62 100

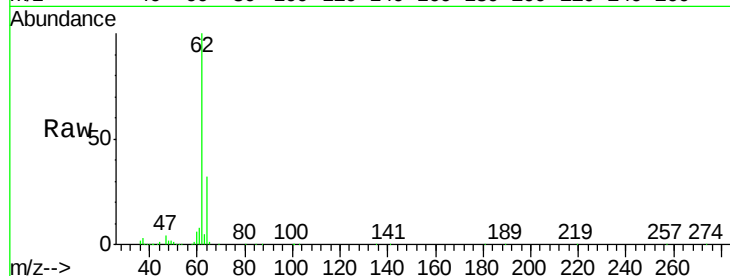
64 31.5 23.0 34.4

Manual Integrations

APPROVED

MMDadoda

3/17/2020 12:16:31 PM

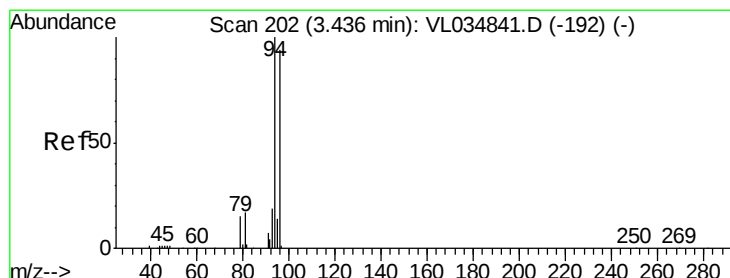
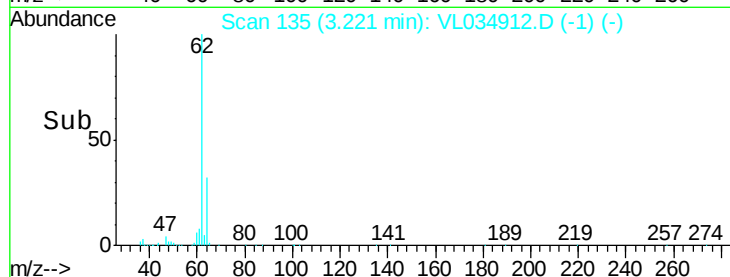


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

Time-->



#6

Bromomethane

Concen: 11.538 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034912.D

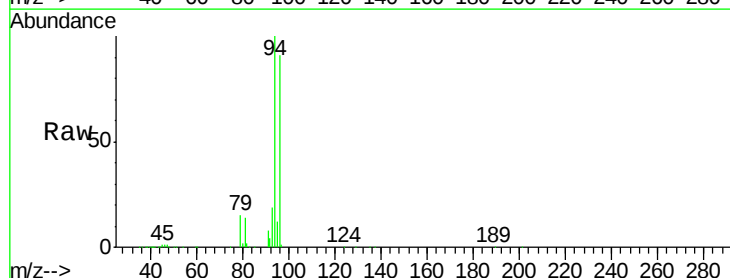
Acq: 17 Mar 2020 5:11

Tgt Ion: 94 Resp: 364640

Ion Ratio Lower Upper

94 100

96 91.4 75.5 113.3

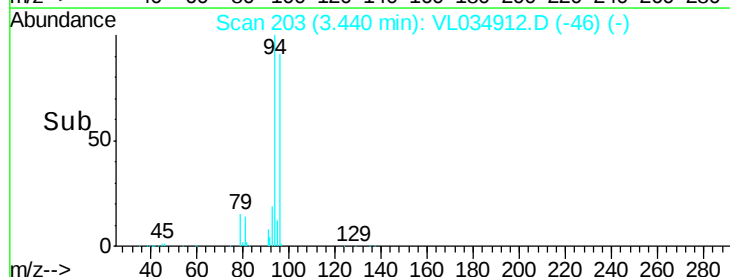


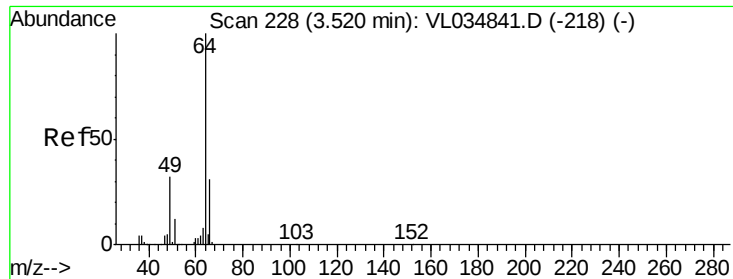
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

Time-->





#7

Chloroethane

Concen: 11.353 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 222561

Ion Ratio Lower Upper

64 100

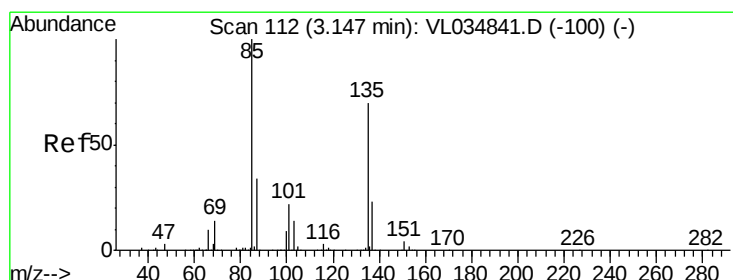
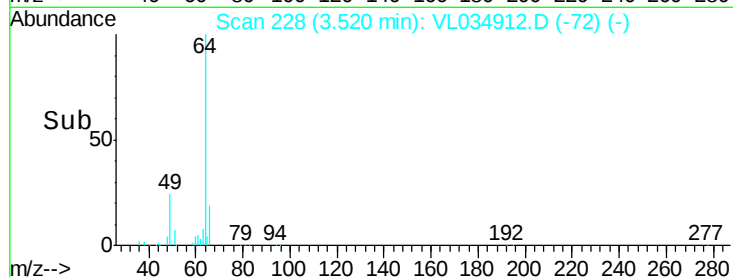
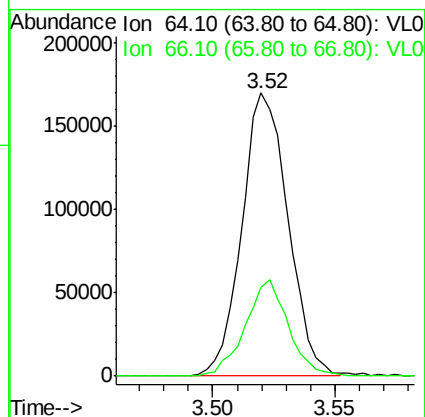
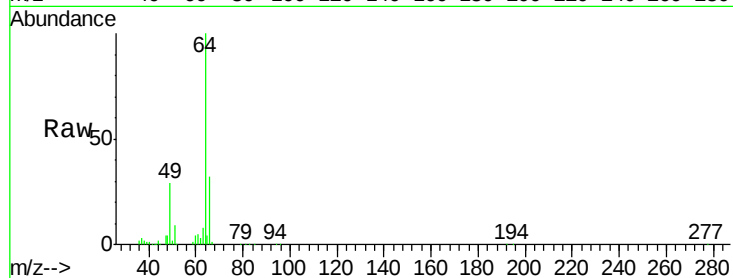
66 31.6 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

3/17/2020 12:16:31 PM



#8

Dichlorotetrafluoroethane

Concen: 10.680 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034912.D

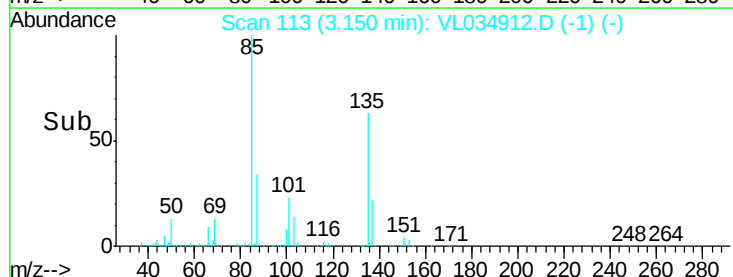
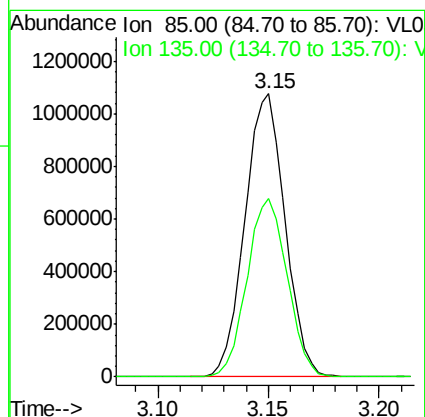
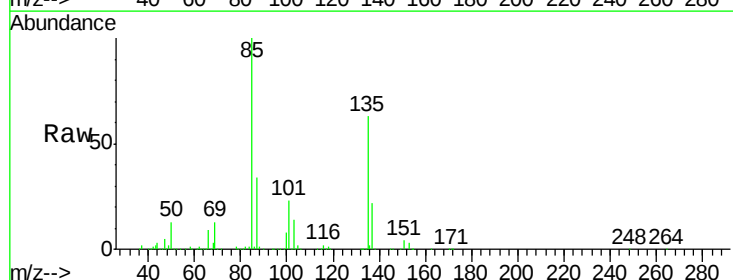
Acq: 17 Mar 2020 5:11

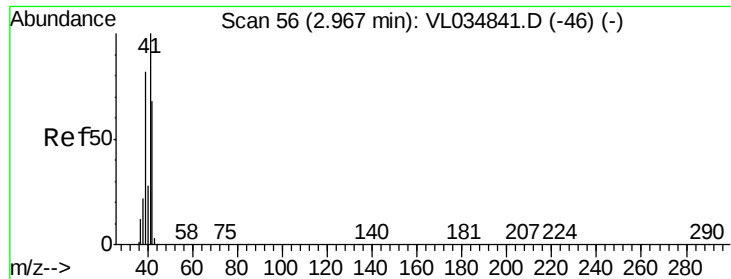
Tgt Ion: 85 Resp: 1358444

Ion Ratio Lower Upper

85 100

135 63.4 54.3 81.5





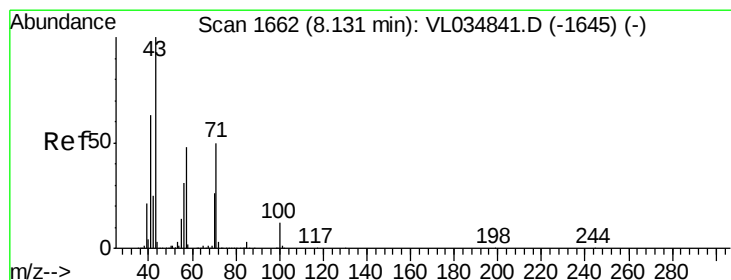
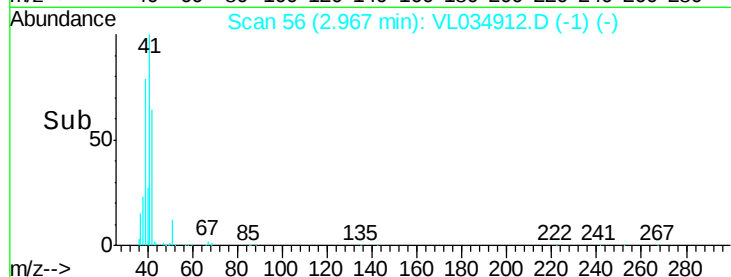
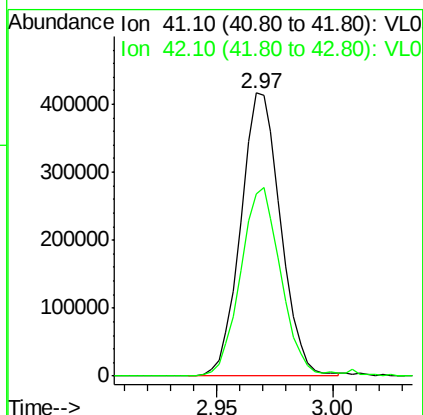
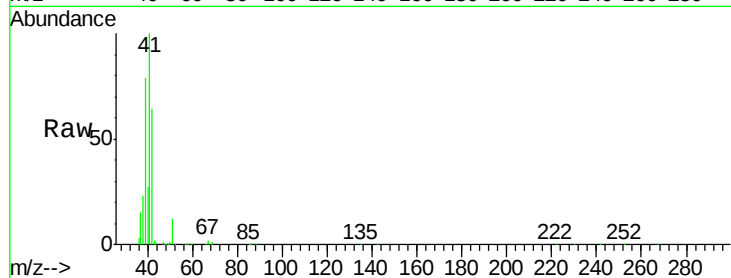
#9
 Propene
 Concen: 10.443 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 498177
 Ion Ratio Lower Upper
 41 100
 42 68.6 55.2 82.8

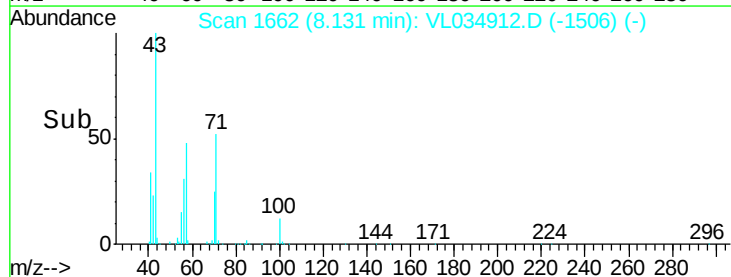
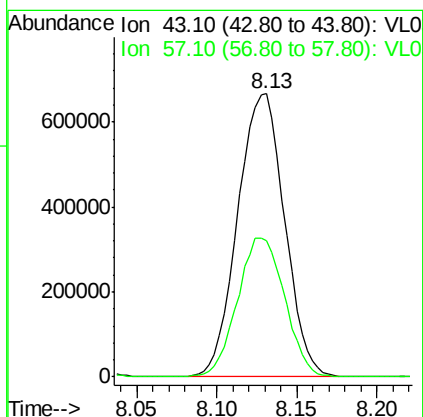
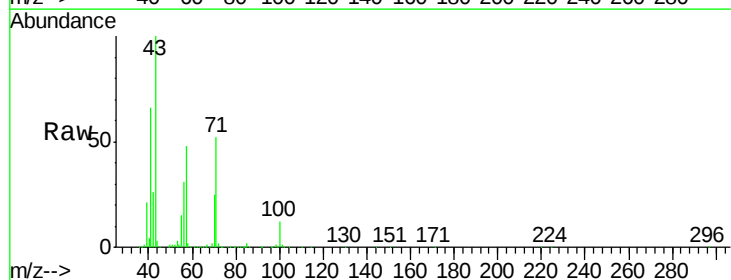
Manual Integrations
 APPROVED

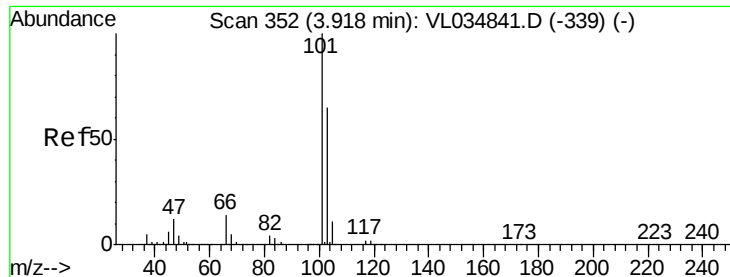
MMDadoda
 3/17/2020 12:16:31 PM



#10
 Heptane
 Concen: 11.303 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 43 Resp: 1326938
 Ion Ratio Lower Upper
 43 100
 57 49.7 39.7 59.5





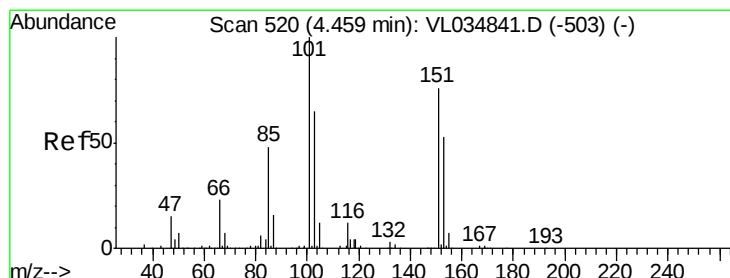
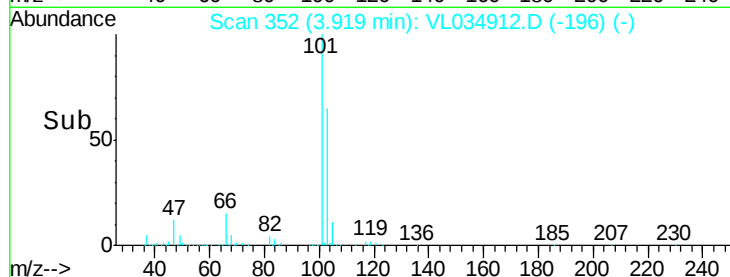
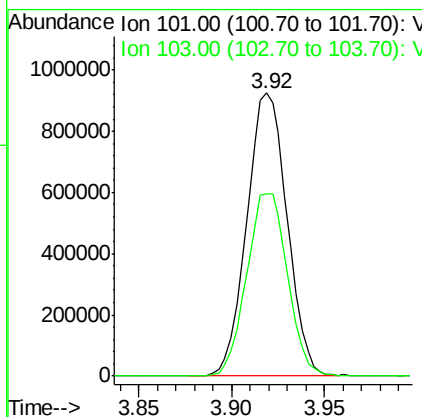
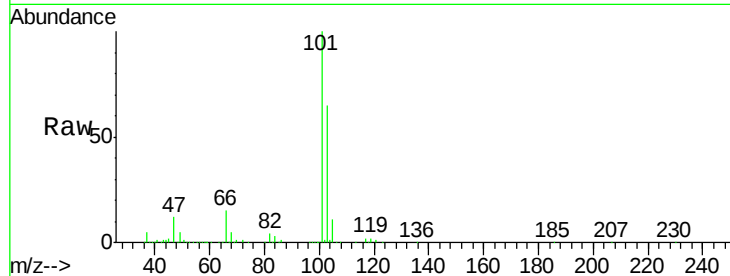
#11
 Trichlorofluoromethane
 Concen: 10.708 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1395283
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.8

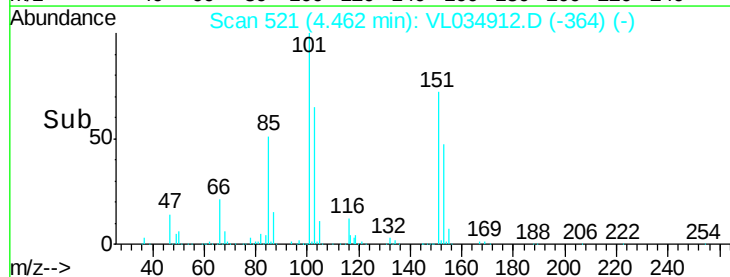
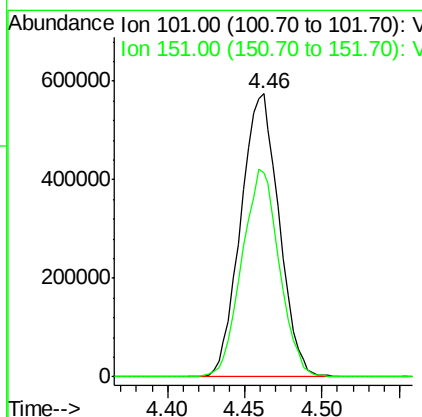
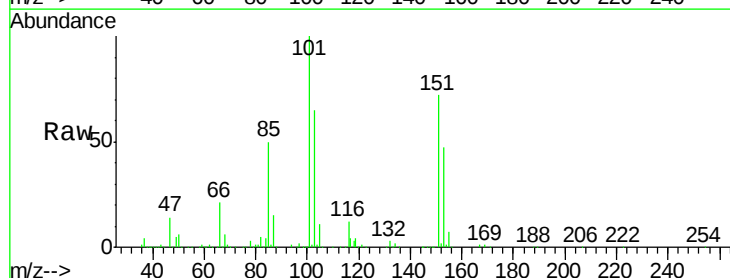
Manual Integrations
 APPROVED

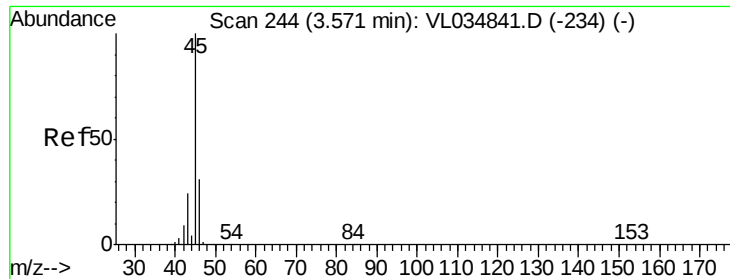
MMDadoda
 3/17/2020 12:16:31 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.838 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion:101 Resp: 988354
 Ion Ratio Lower Upper
 101 100
 151 71.9 60.8 91.2





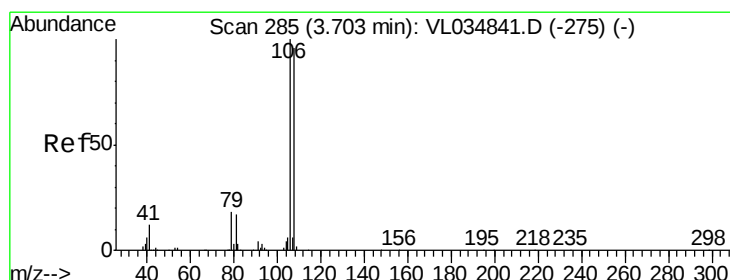
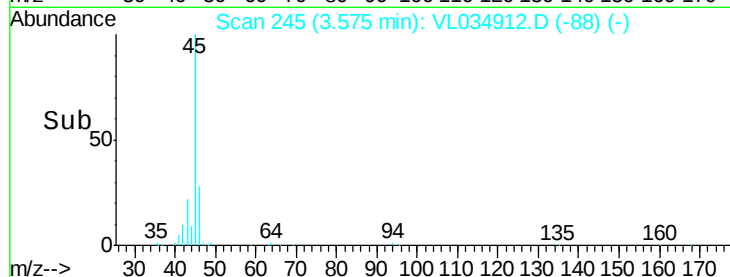
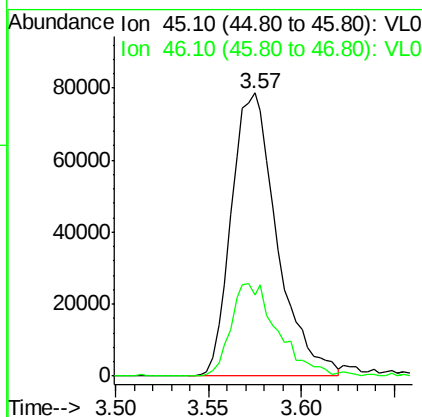
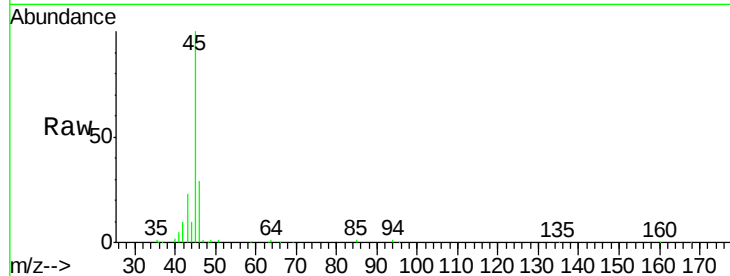
#13
Ethanol
Concen: 9.276 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	134524
Ion Ratio	100	Lower	Upper
46	34.1	16.0	64.0

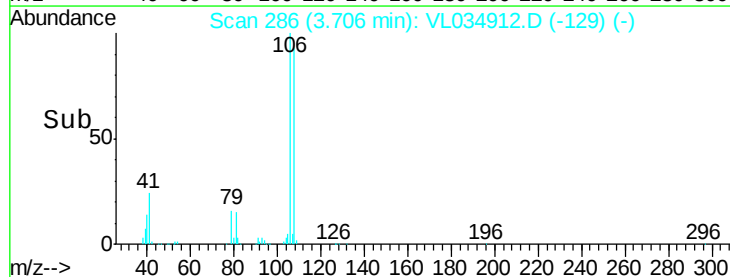
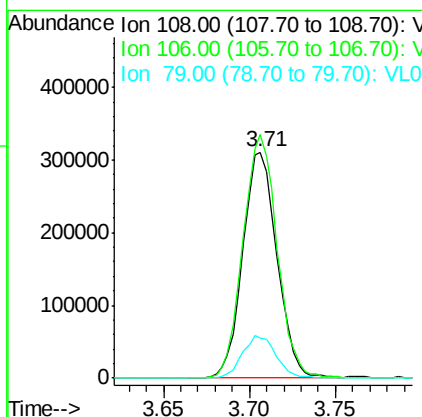
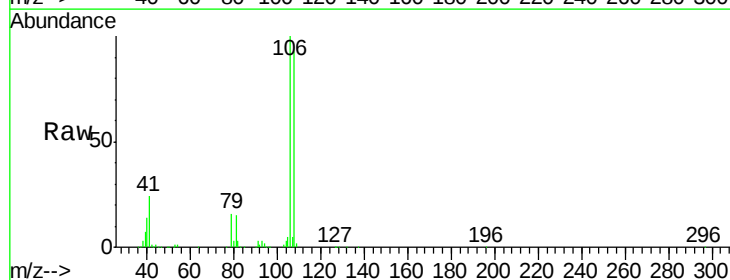
Manual Integrations
APPROVED

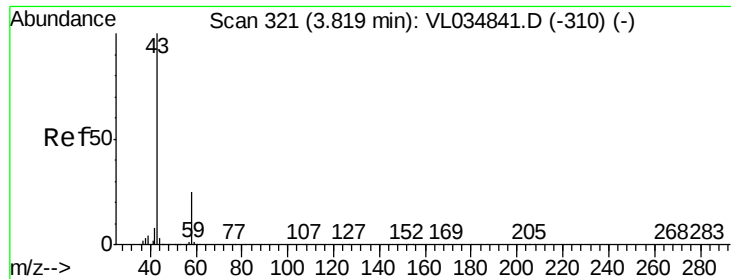
MMDadoda
3/17/2020 12:16:31 PM



#14
Bromoethene
Concen: 10.908 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	108	Resp	429635
Ion Ratio	100	Lower	Upper
106	107.4	85.1	127.7
79	18.7	14.7	22.1





#15

Acetone

Concen: 11.047 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1280587

Ion Ratio Lower Upper

43 100

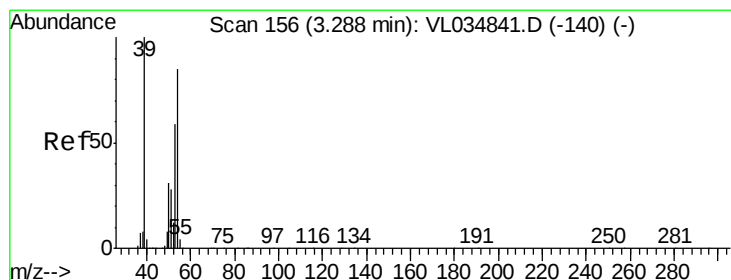
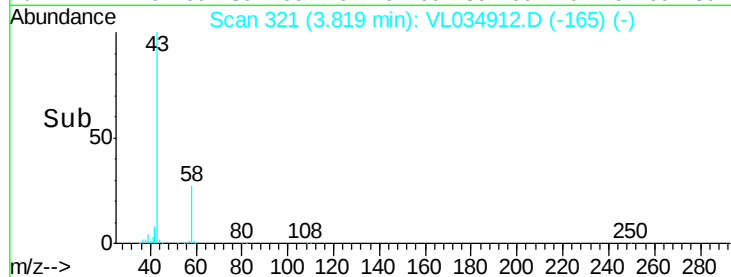
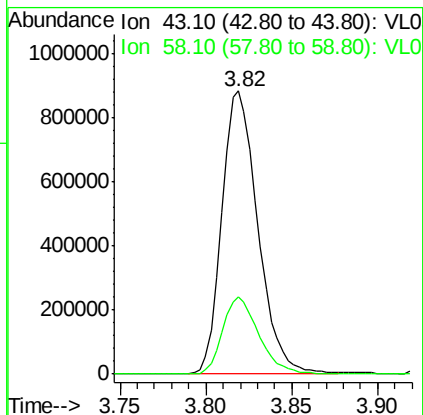
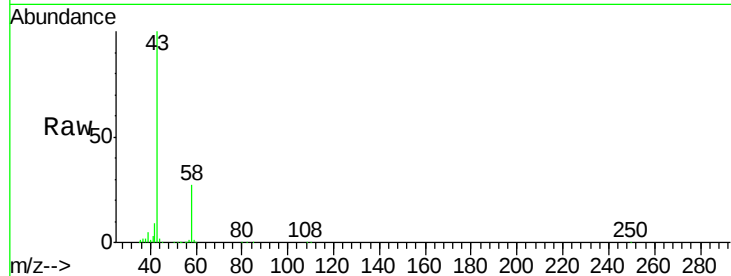
58 27.6 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

3/17/2020 12:16:31 PM



#16

1,3-Butadiene

Concen: 10.887 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034912.D

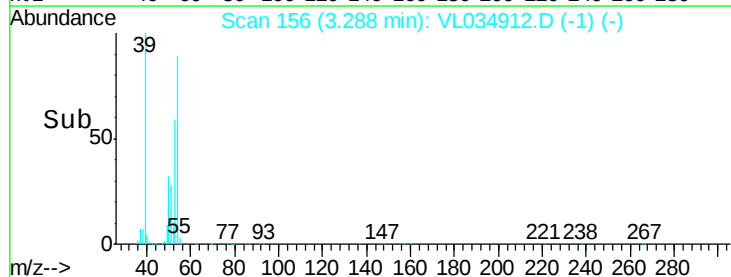
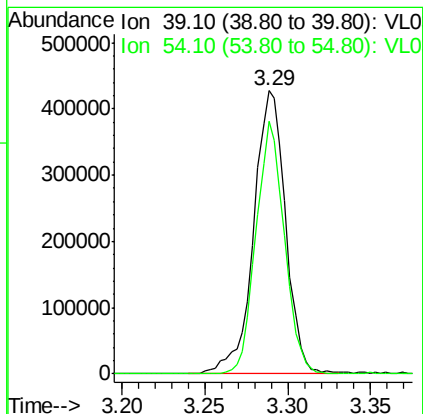
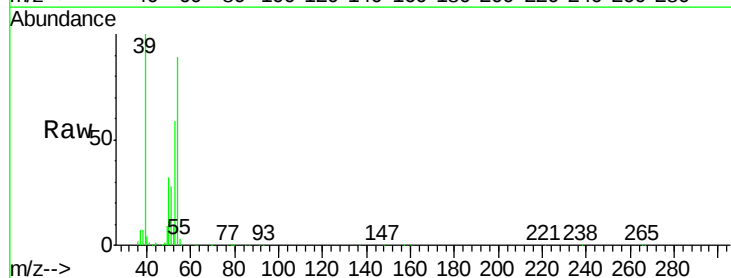
Acq: 17 Mar 2020 5:11

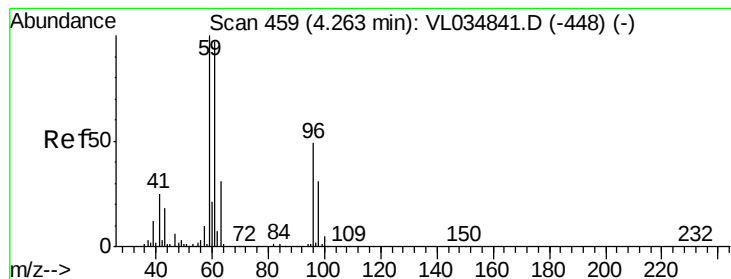
Tgt Ion: 39 Resp: 570714

Ion Ratio Lower Upper

39 100

54 79.7 65.0 97.6





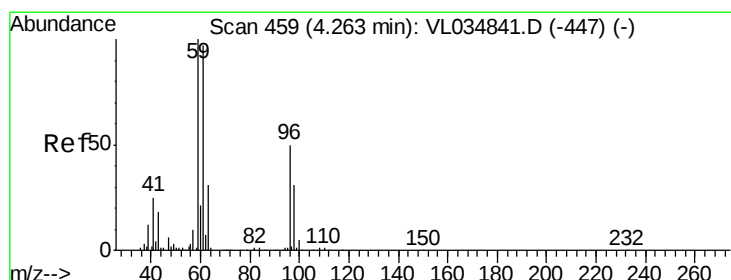
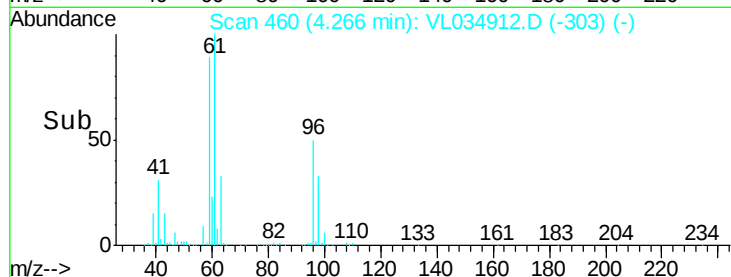
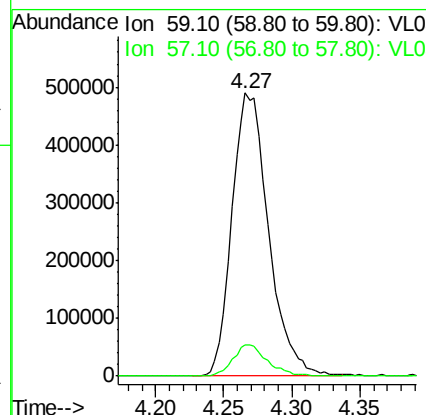
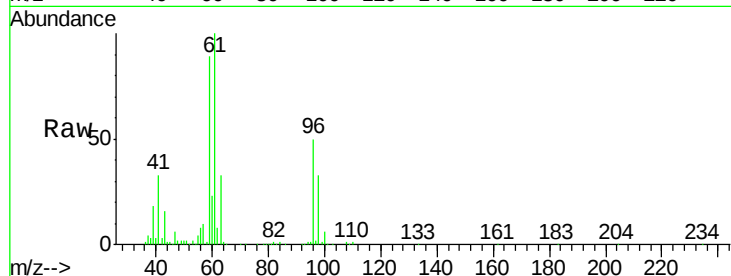
#17
tert-Butyl alcohol
Concen: 8.182 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 913841
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

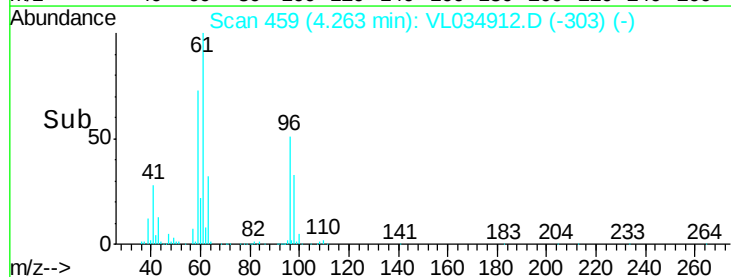
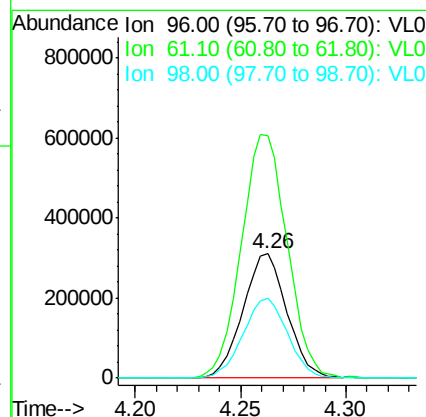
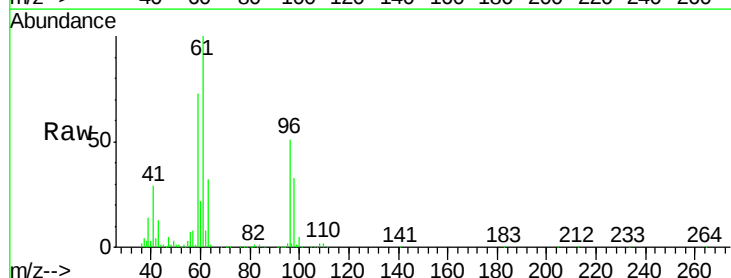
Manual Integrations
APPROVED

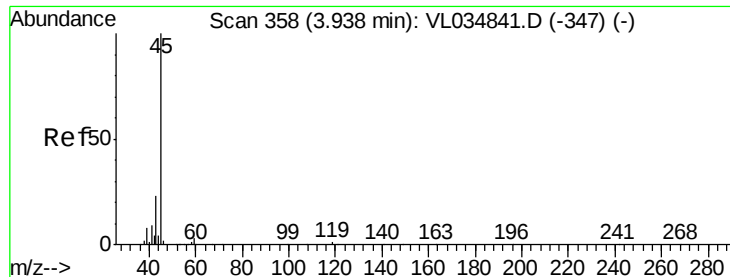
MMDadoda
3/17/2020 12:16:31 PM



#18
1,1-Dichloroethene
Concen: 11.136 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 96 Resp: 449746
Ion Ratio Lower Upper
96 100
61 194.9 157.3 235.9
98 64.3 50.2 75.4





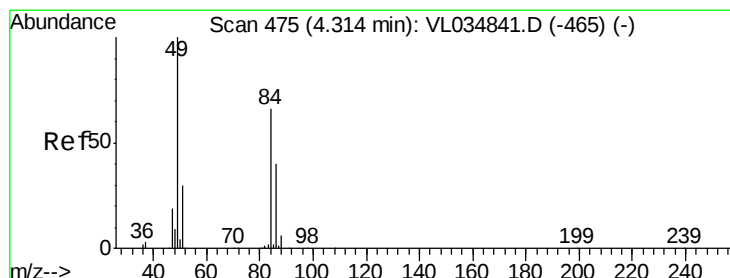
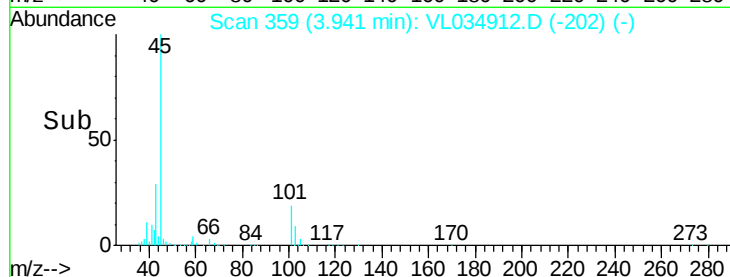
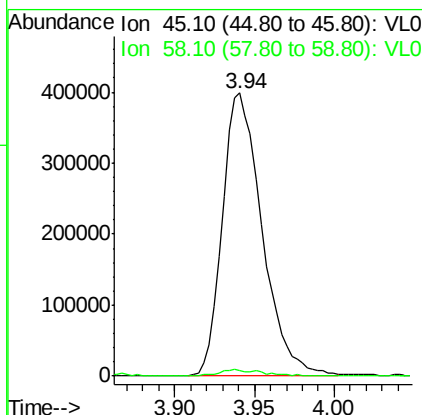
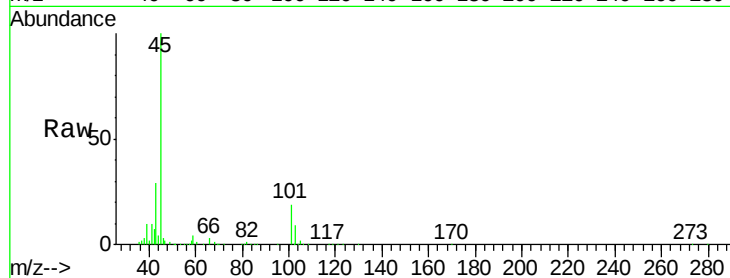
#19
Isopropyl Alcohol
Concen: 9.236 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 676092
Ion Ratio Lower Upper
45 100
58 2.7 30.5 45.7#

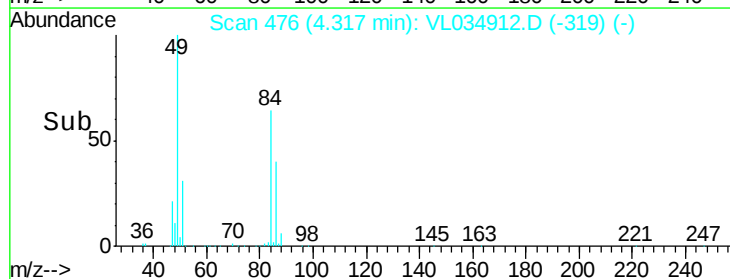
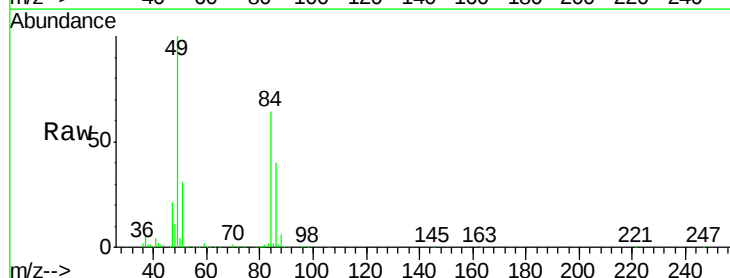
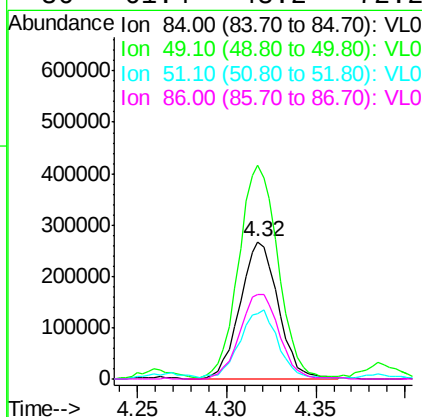
Manual Integrations
APPROVED

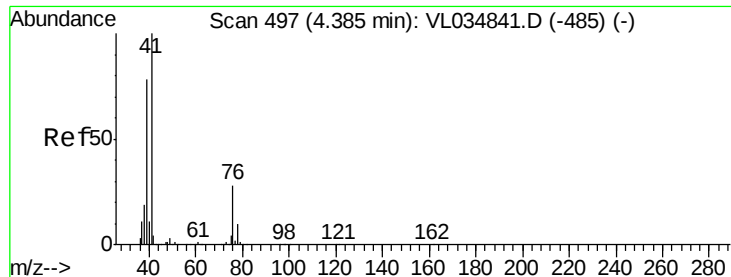
MMDadoda
3/17/2020 12:16:31 PM



#20
Methylene Chloride
Concen: 10.821 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 84 Resp: 396605
Ion Ratio Lower Upper
84 100
49 154.2 121.5 182.3
51 46.9 36.6 55.0
86 61.4 48.2 72.2





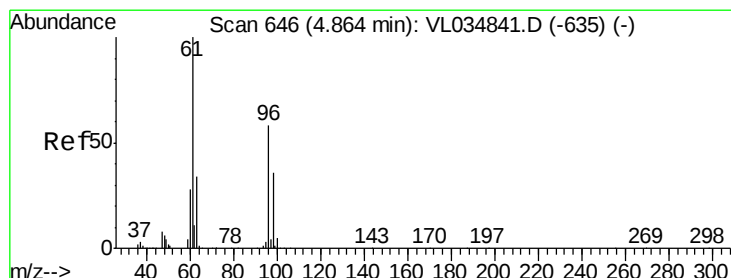
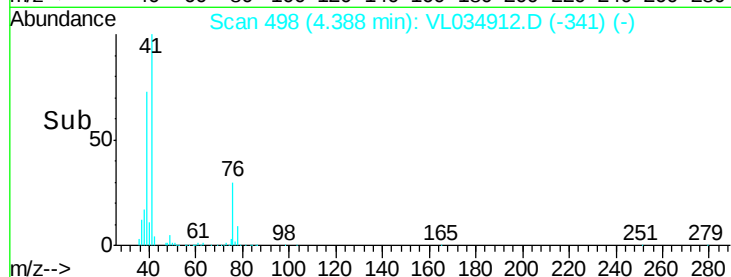
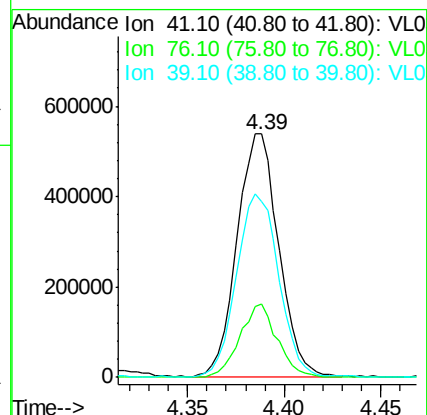
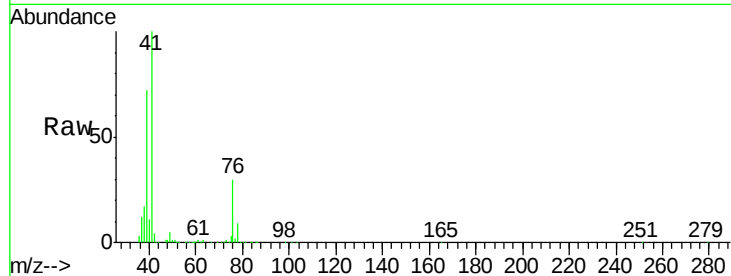
#21
Allvl Chloride
Concen: 10.767 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.2	22.2	33.2
39	77.8	62.6	93.8

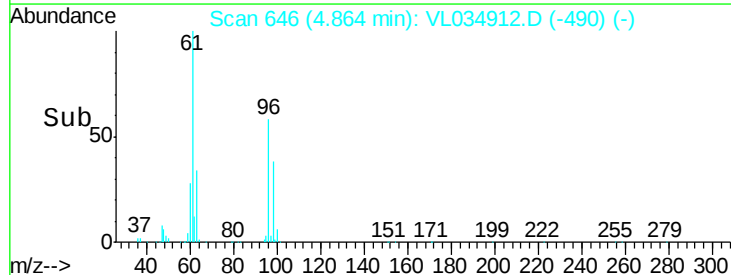
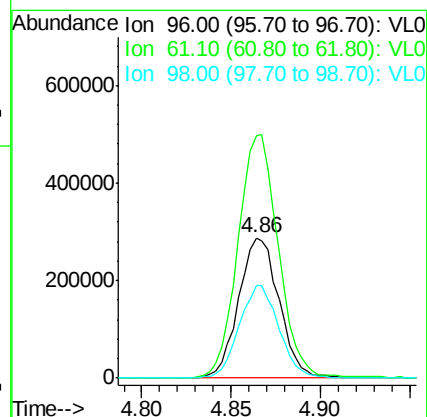
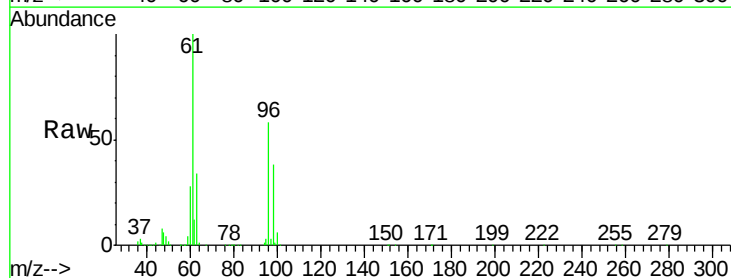
Manual Integrations
APPROVED

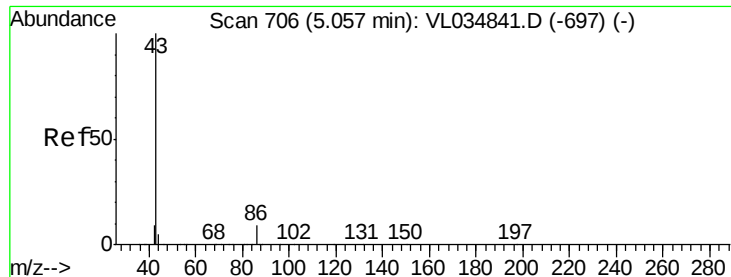
MMDadoda
3/17/2020 12:16:31 PM



#22
trans-1,2-Dichloroethene
Concen: 11.059 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.4	139.0	208.6
98	65.8	50.3	75.5





#23

Vinyl Acetate

Concen: 10.856 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1858917

Ion Ratio Lower Upper

43 100

86 7.5 6.3 9.5

42 10.4 7.8 11.8

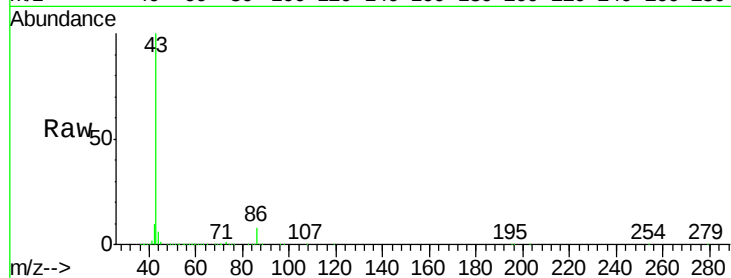
44 5.4 4.0 6.0

Manual Integrations

APPROVED

MMDadoda

3/17/2020 12:16:31 PM

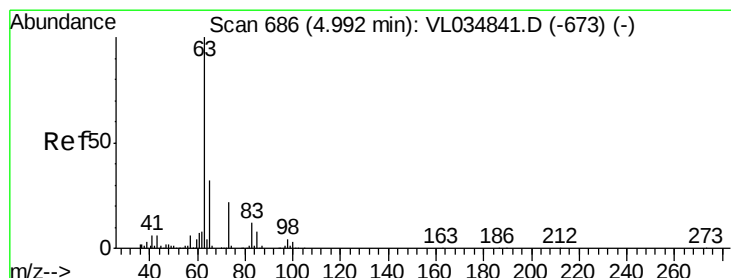
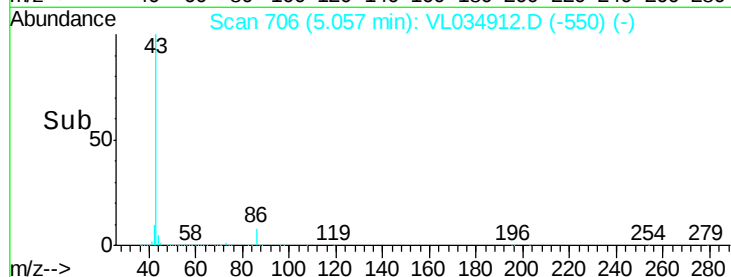
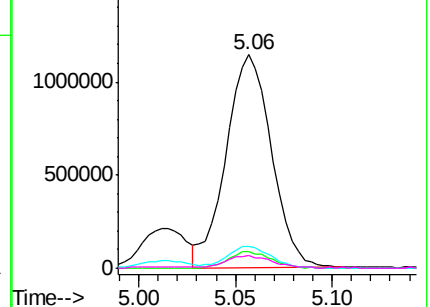


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.523 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

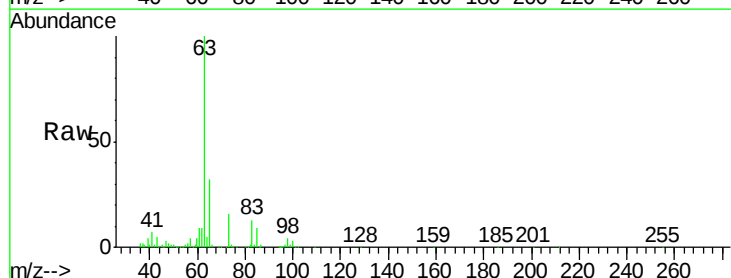
Tgt Ion: 63 Resp: 1207962

Ion Ratio Lower Upper

63 100

98 4.0 2.0 5.8

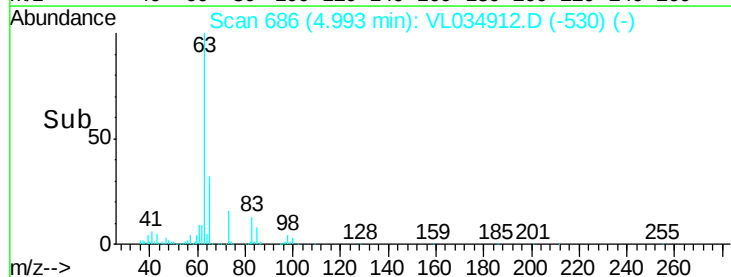
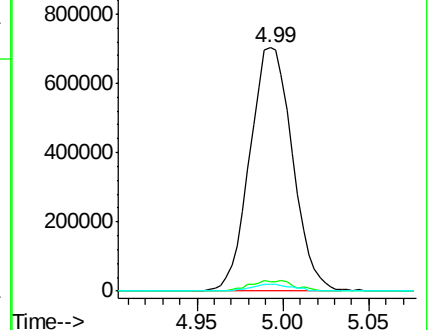
100 2.6 1.4 4.0

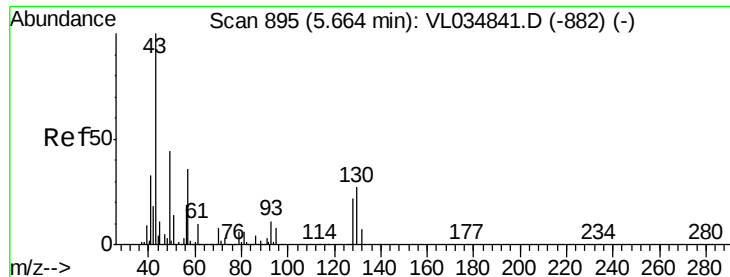


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





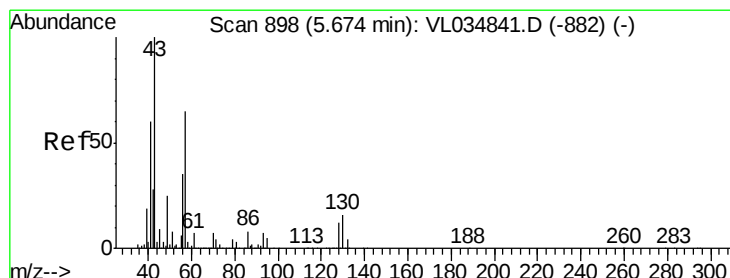
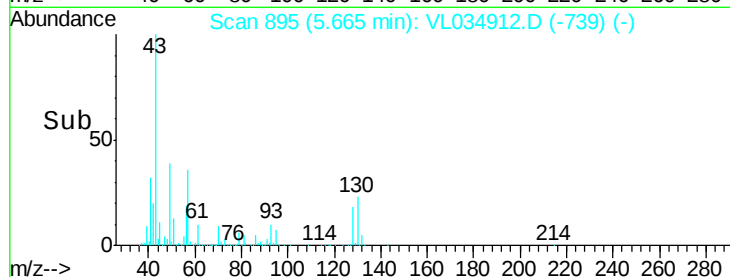
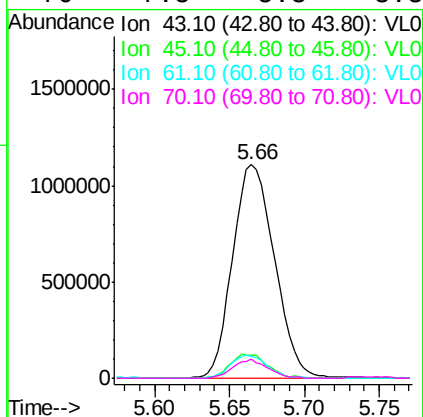
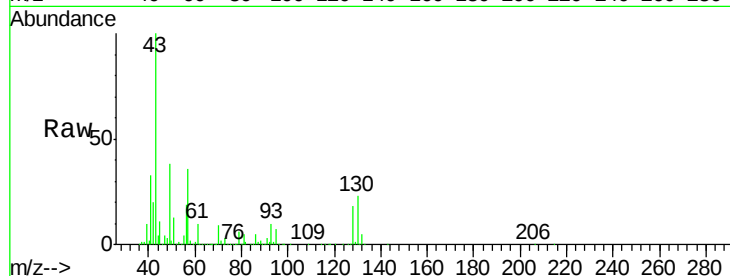
#25
Ethyl Acetate
Concen: 10.453 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.2	12.2	
61	9.6	7.8	11.6	
70	7.5	5.8	8.8	

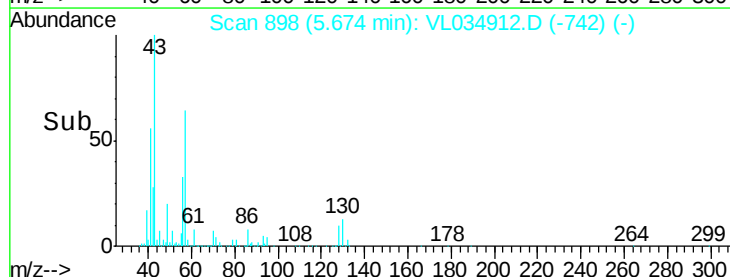
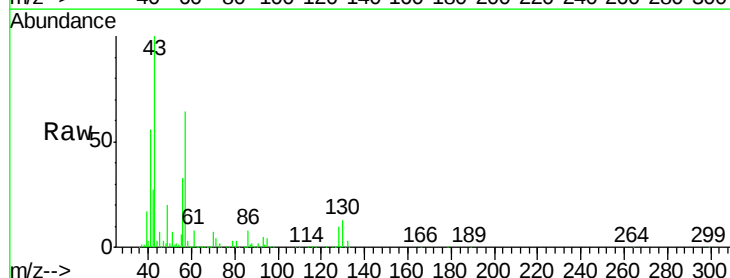
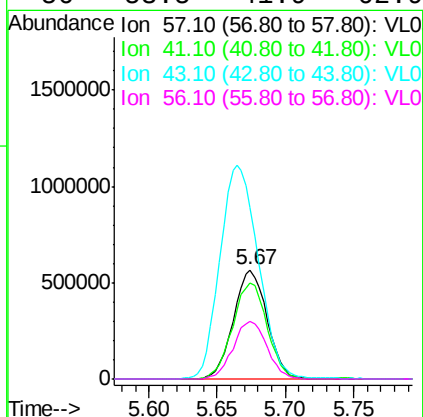
Manual Integrations
APPROVED

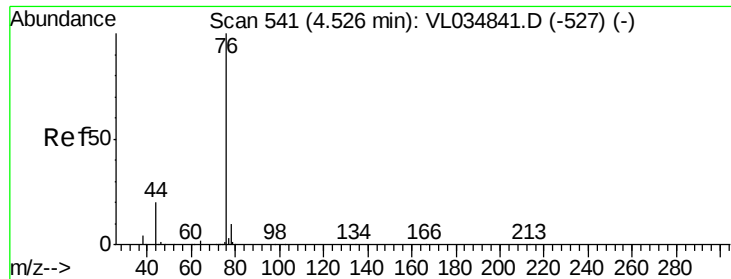
MMDadoda
3/17/2020 12:16:31 PM



#26
Hexane
Concen: 10.878 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.5	72.6	109.0	
43	225.3	183.8	275.6	
56	53.5	41.9	62.9	





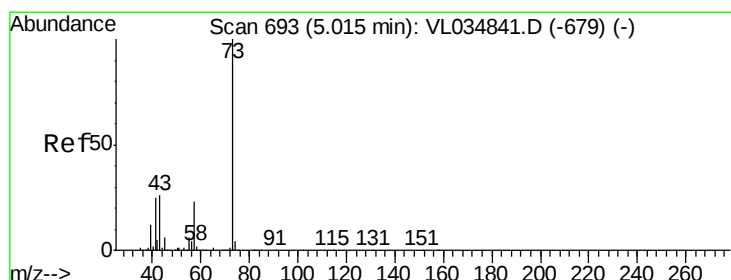
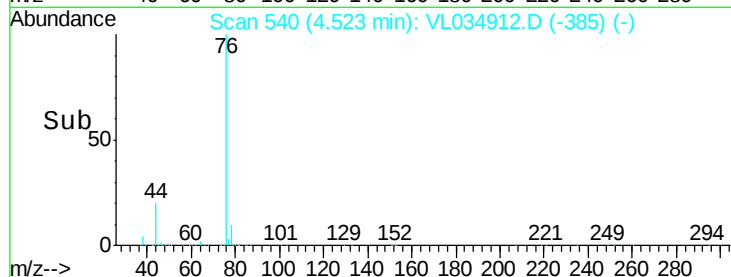
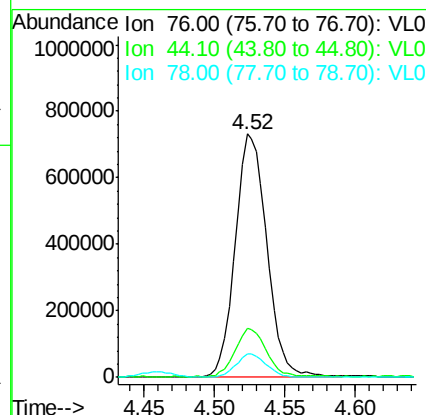
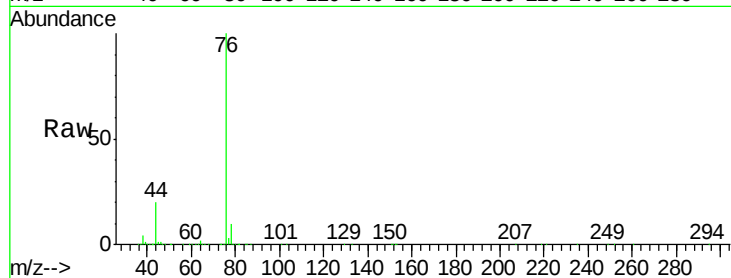
#27
Carbon Disulfide
Concen: 11.416 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1152076
Ion Ratio Lower Upper
76 100
44 19.5 16.2 24.2
78 9.1 7.8 11.6

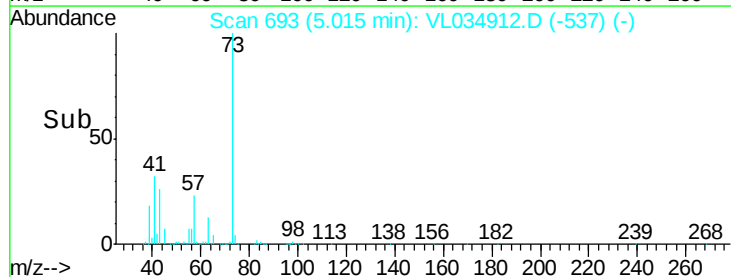
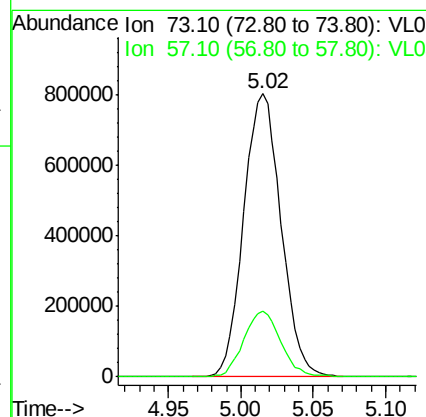
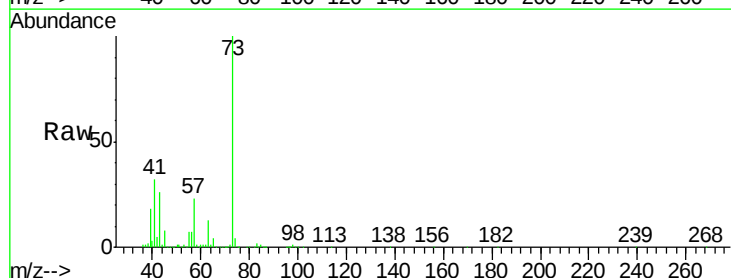
Manual Integrations
APPROVED

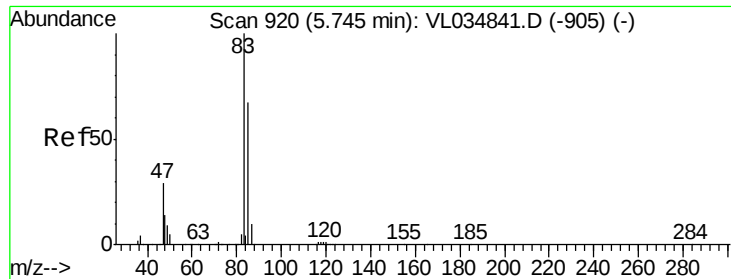
MMDadoda
3/17/2020 12:16:31 PM



#28
Methyl tert-Butyl Ether
Concen: 9.731 ppbv
RT: 5.02 min Scan# 693
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 73 Resp: 1439943
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5





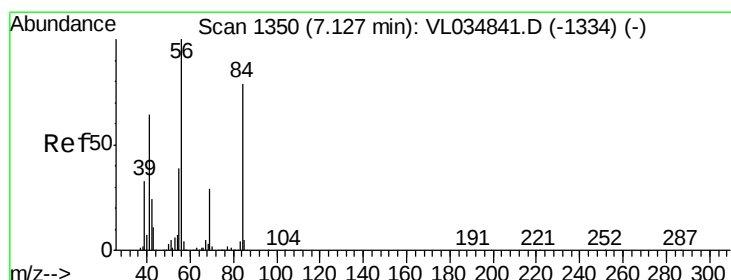
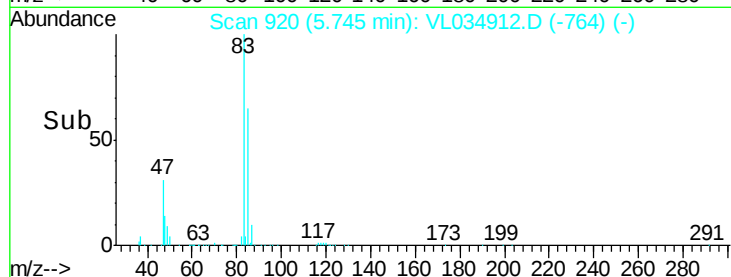
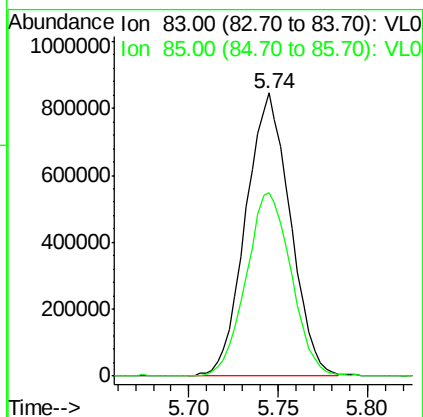
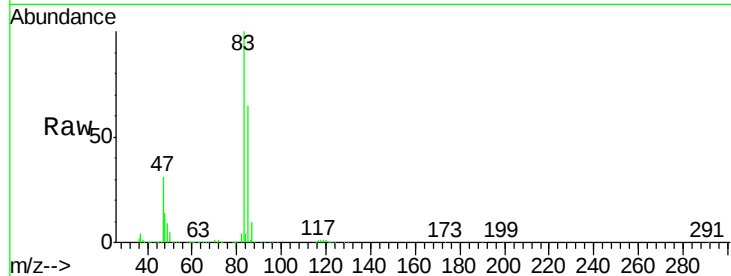
#29
Chloroform
Concen: 10.889 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1477575
Ion Ratio Lower Upper
83 100
85 64.6 53.8 80.6

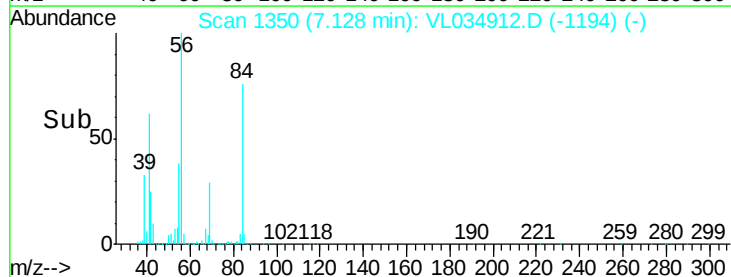
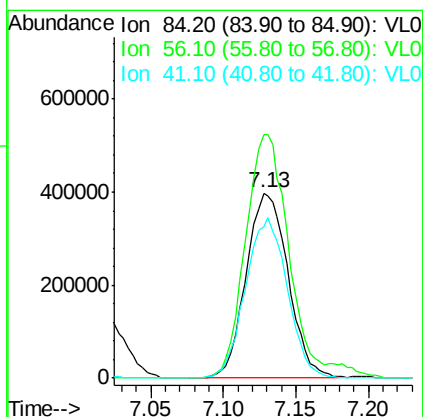
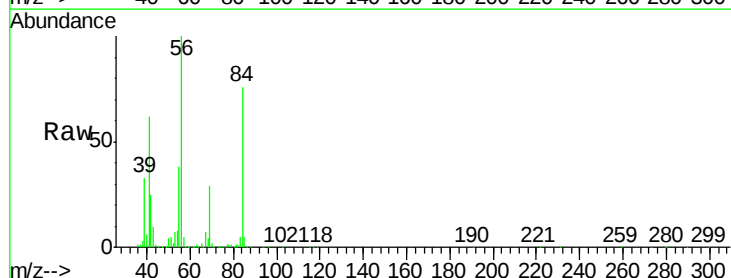
Manual Integrations
APPROVED

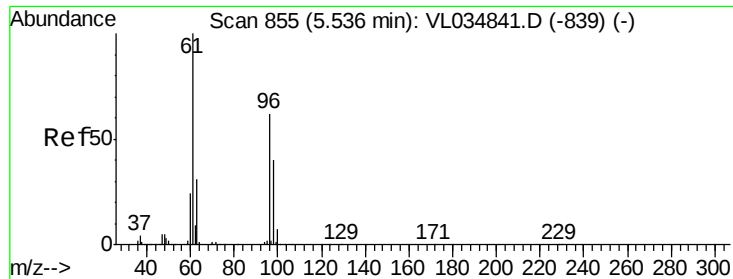
MMDadoda
3/17/2020 12:16:31 PM



#30
Cyclohexane
Concen: 10.807 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 84 Resp: 801886
Ion Ratio Lower Upper
84 100
56 138.7 110.5 165.7
41 86.3 68.2 102.4





#31

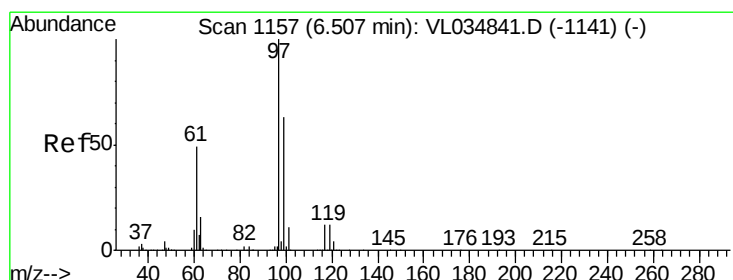
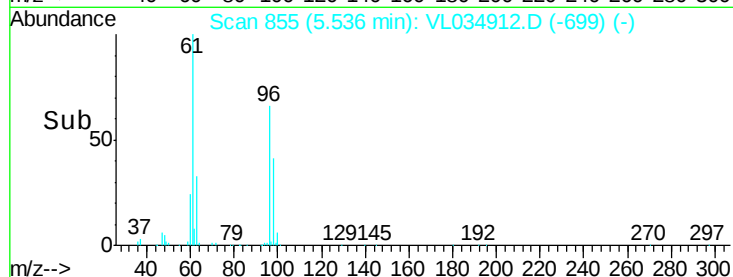
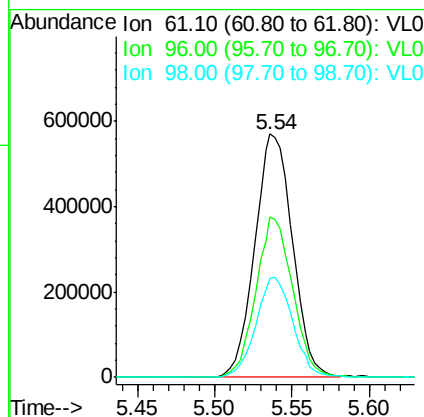
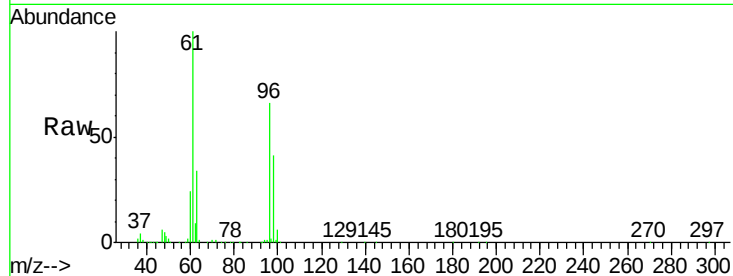
cis-1,2-Dichloroethene
 Concen: 10.633 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.7	49.8	74.8
98	40.7	32.2	48.4

Manual Integrations
 APPROVED

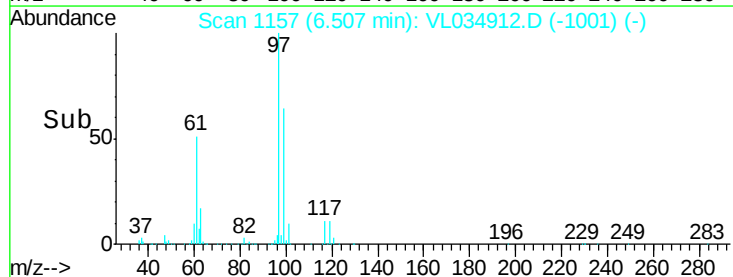
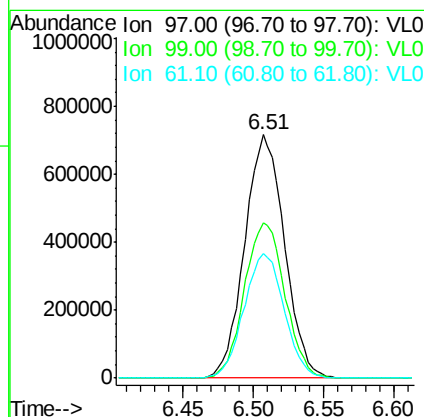
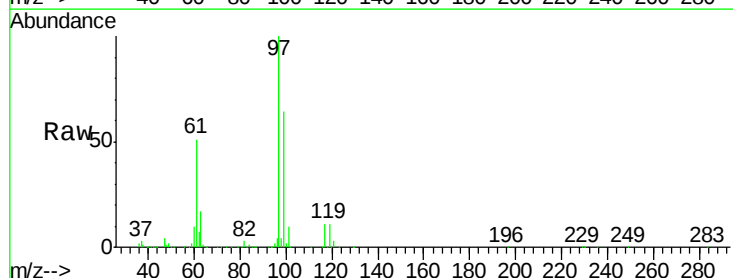
MMDadoda
 3/17/2020 12:16:31 PM

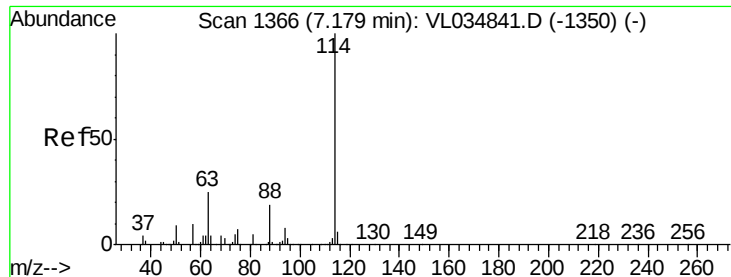


#32

1,1,1-Trichloroethane
 Concen: 10.714 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	51.9	39.7	59.5





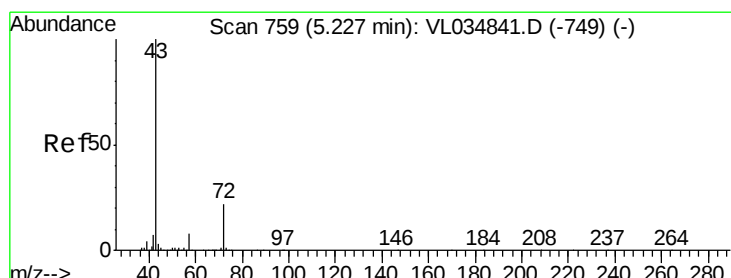
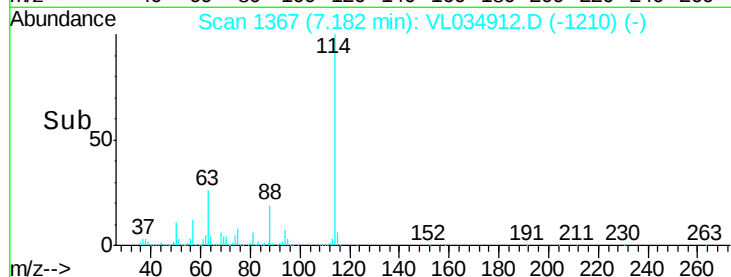
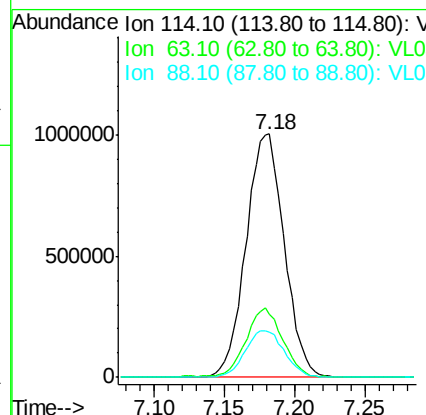
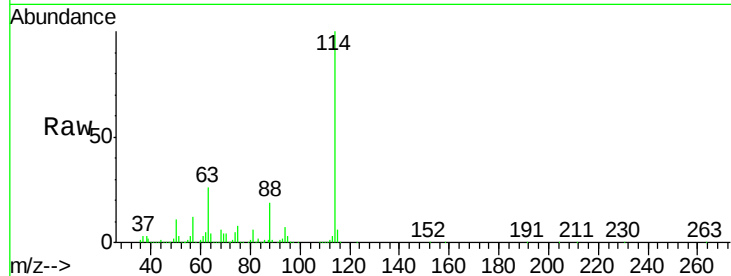
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	20.6	31.0
88	19.6	15.0	22.6

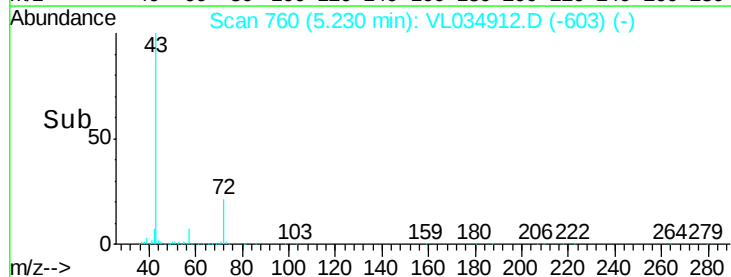
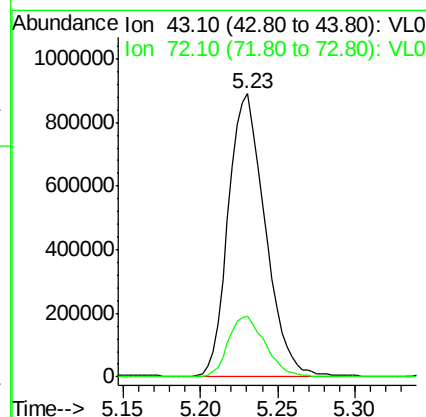
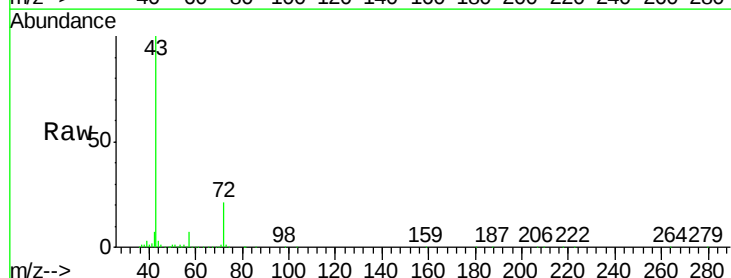
Manual Integrations
 APPROVED

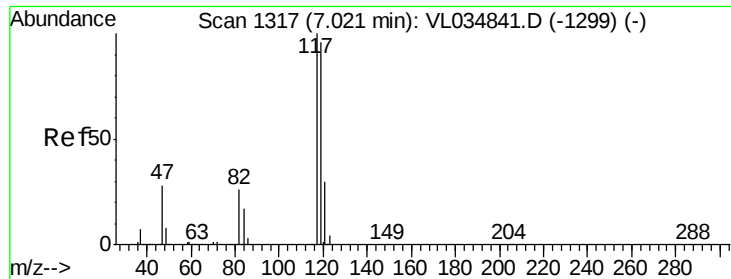
MMDadoda
 3/17/2020 12:16:31 PM



#34
 2-Butanone
 Concen: 11.560 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.6	26.4





#35

Carbon Tetrachloride

Concen: 12.147 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1443184

Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.4

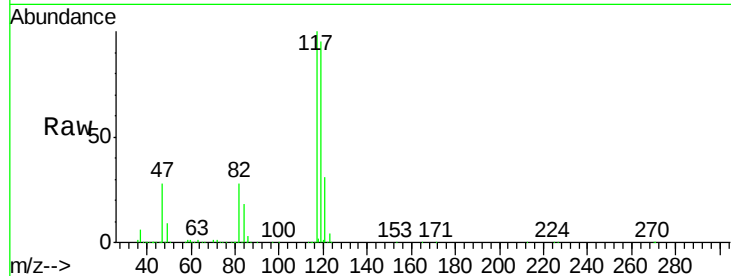
121 30.7 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

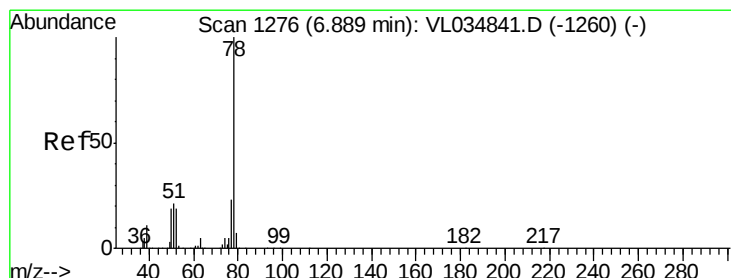
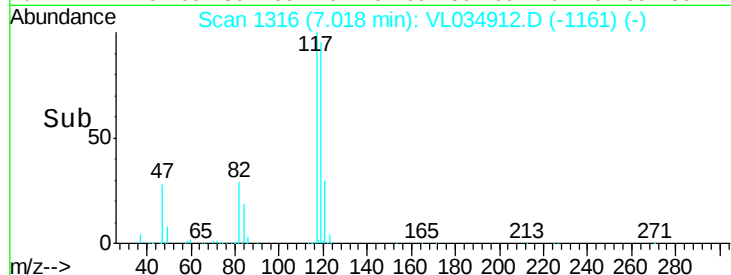
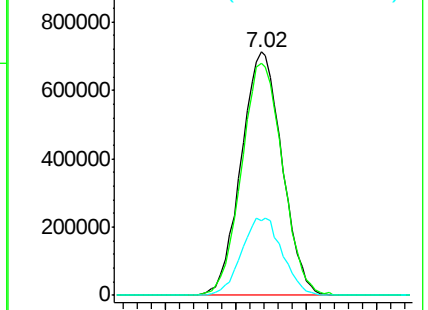
3/17/2020 12:16:31 PM



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: 11.337 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

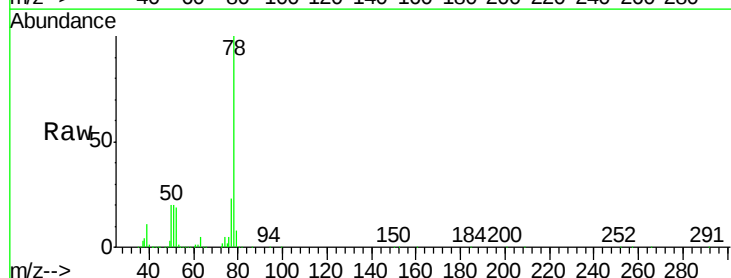
Tgt Ion: 78 Resp: 1930402

Ion Ratio Lower Upper

78 100

77 22.5 18.2 27.2

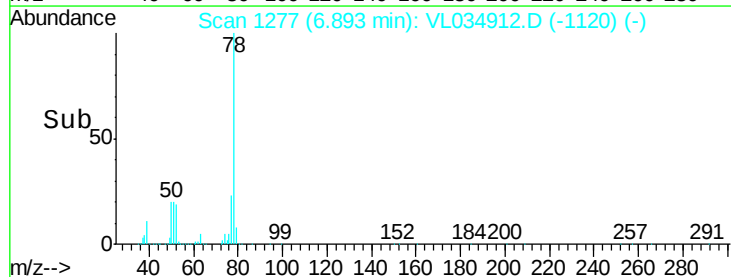
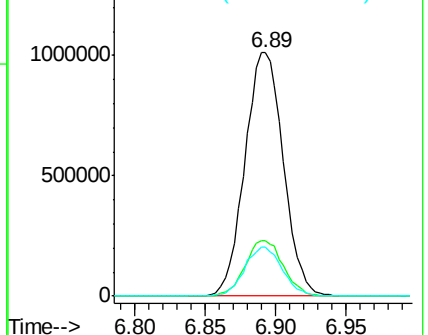
50 20.3 15.2 22.8

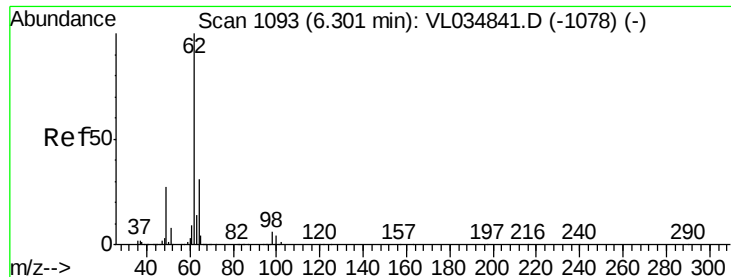


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





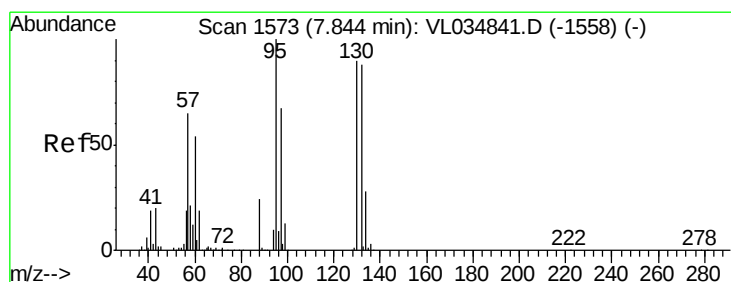
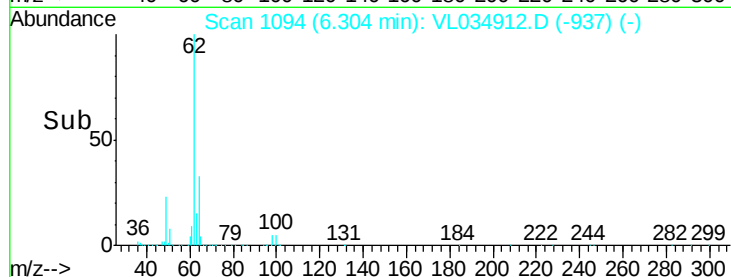
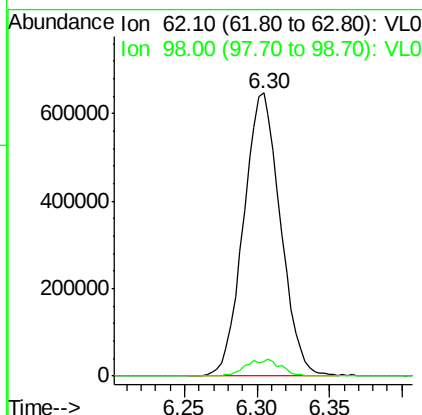
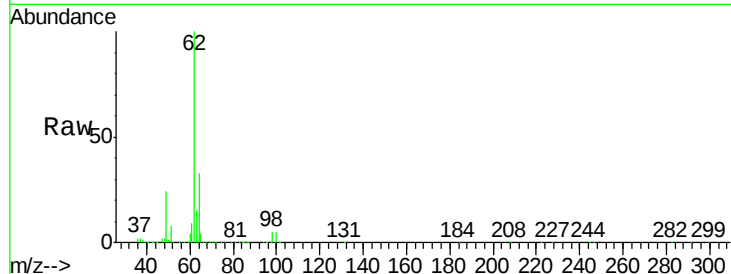
#37
 1,2-Dichloroethane
 Concen: 11.936 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1145973
 Ion Ratio Lower Upper
 62 100
 98 5.8 5.2 7.8

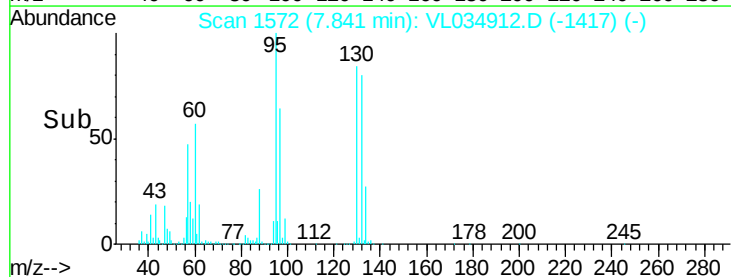
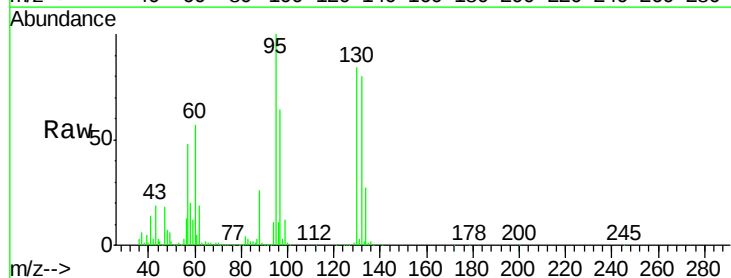
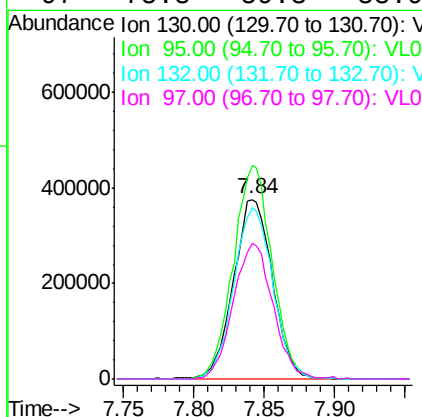
Manual Integrations
 APPROVED

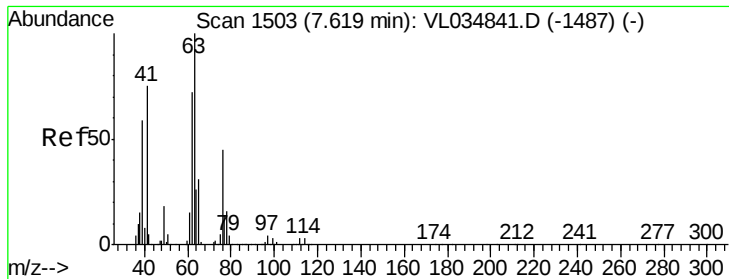
MMDadoda
 3/17/2020 12:16:31 PM



#38
 Trichloroethene
 Concen: 11.205 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 130 Resp: 724613
 Ion Ratio Lower Upper
 130 100
 95 119.3 88.5 132.7
 132 95.5 78.0 117.0
 97 75.8 59.3 88.9





#39

1,2-Dichloropropane

Concen: 11.116 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

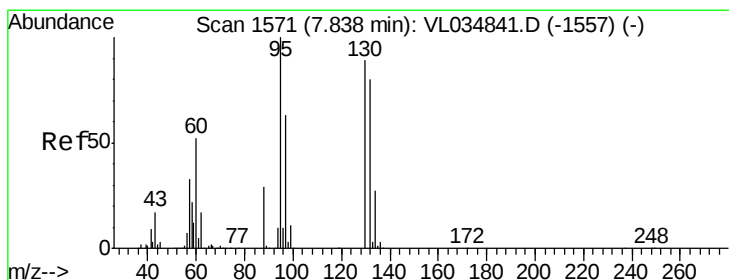
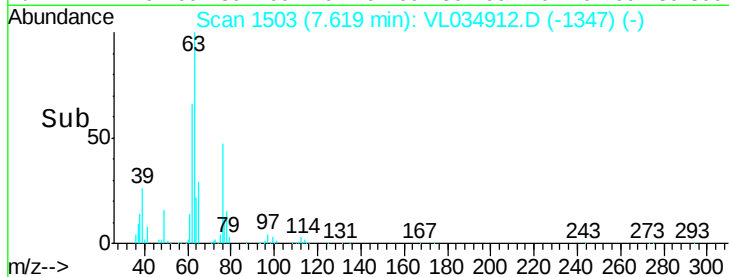
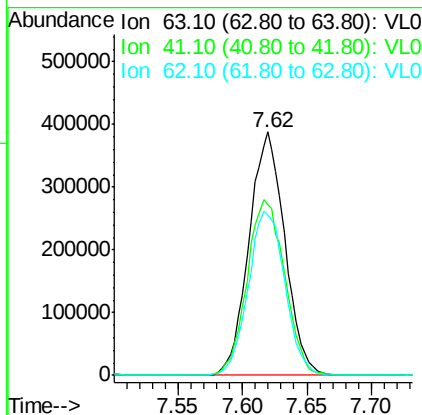
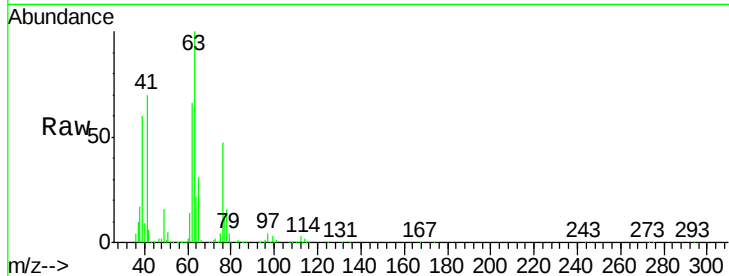
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	749876
Ion Ratio	Lower	Upper	
63	100		
41	70.2	59.8	89.8
62	66.1	57.6	86.4

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:16:31 PM



#40

1,4-Dioxane

Concen: 10.612 ppbv

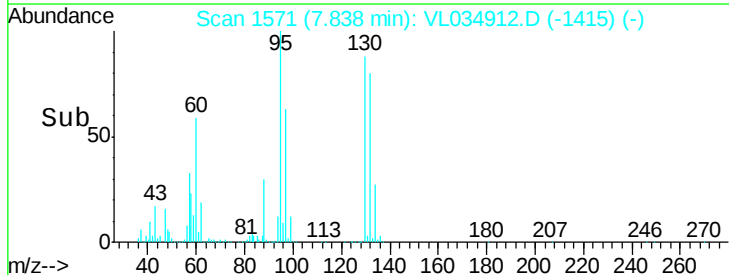
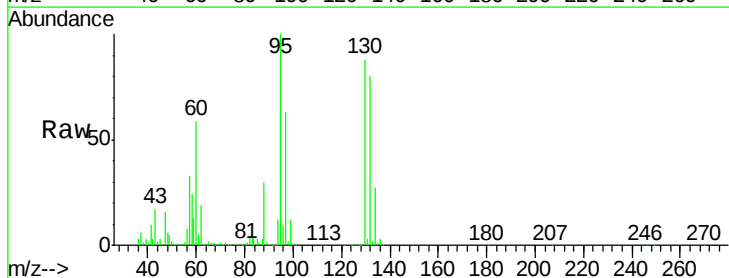
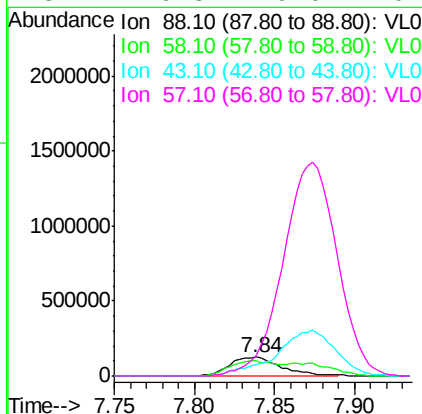
RT: 7.84 min Scan# 1571

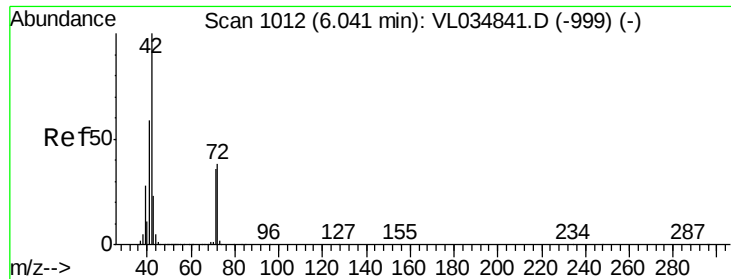
Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion:	88	Resp:	270371
Ion Ratio	Lower	Upper	
88	100		
58	137.3	103.9	155.9
43	291.4	0.0	0.0#
57	1246.8	0.0	0.0#





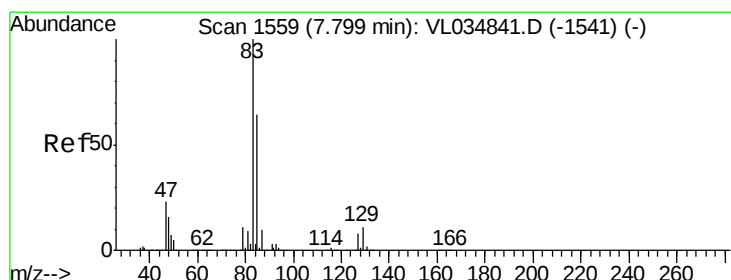
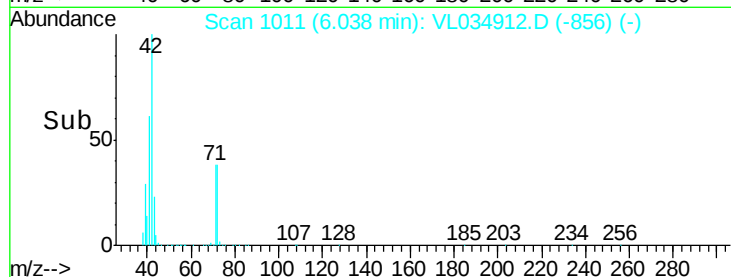
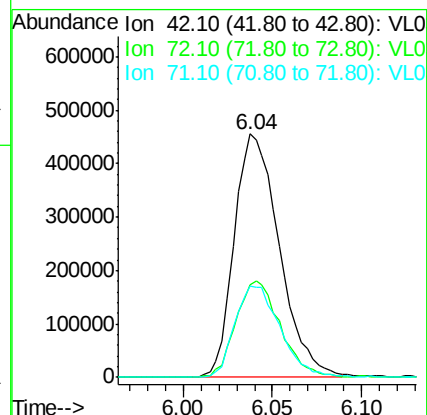
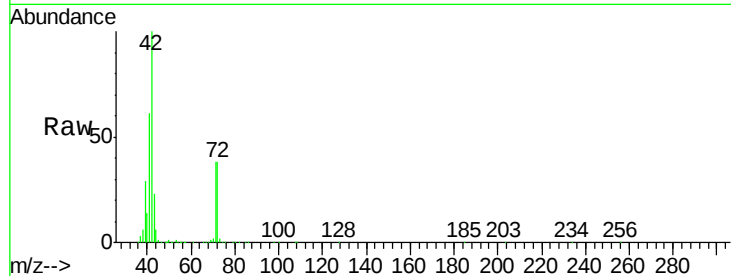
#41
Tetrahydrofuran
Concen: 11.596 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	30.8	46.2
71	38.3	30.1	45.1

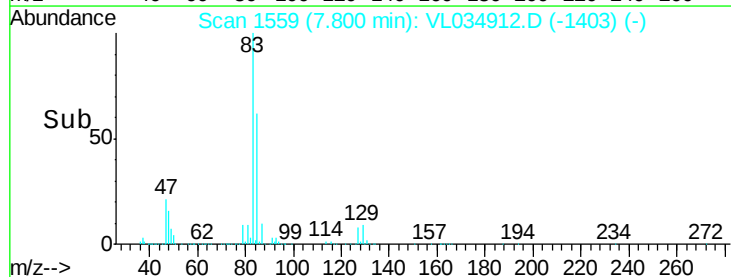
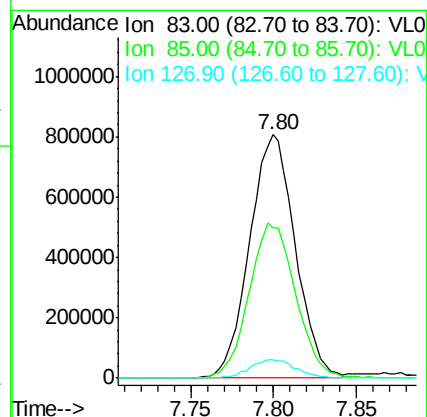
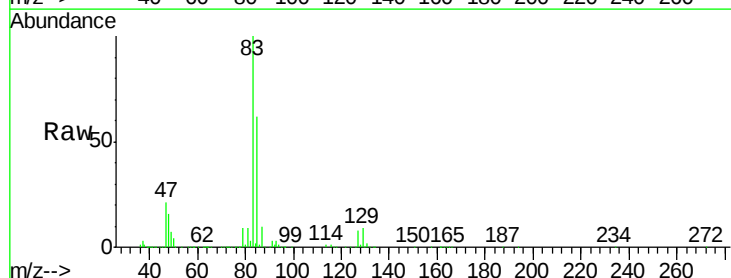
Manual Integrations
APPROVED

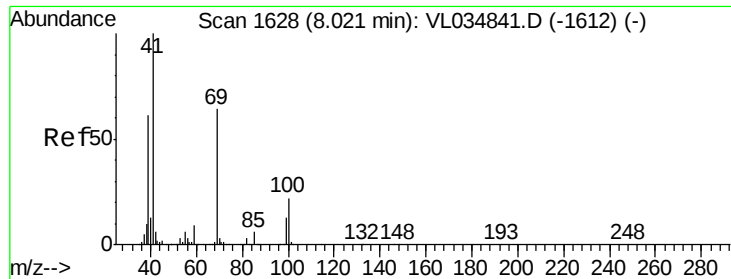
MMDadoda
3/17/2020 12:16:31 PM



#42
Bromodichloromethane
Concen: 11.826 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.4	77.2
127	7.7	6.2	9.4





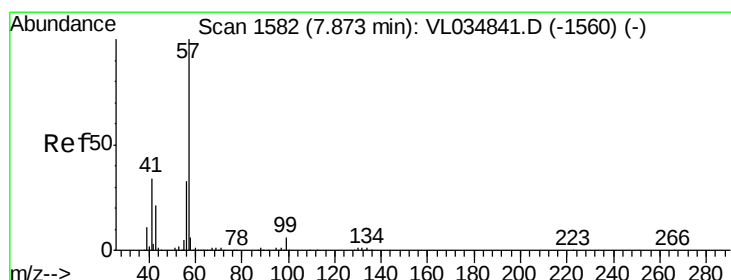
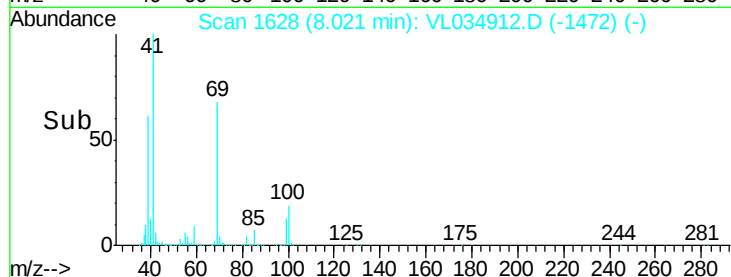
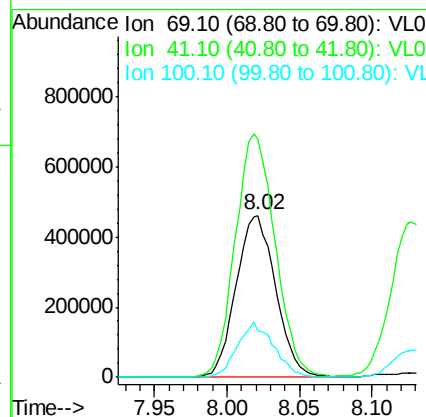
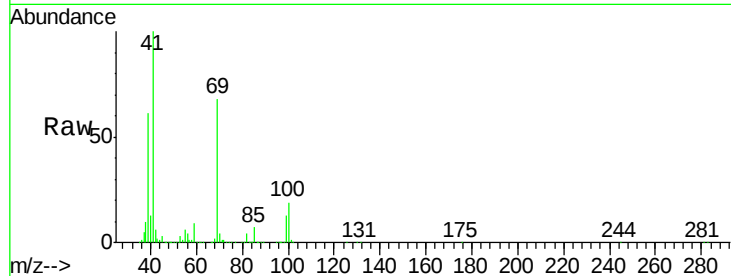
#43
Methvl Methacrilate
Concen: 12.198 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.0	123.2	184.8	
100	31.2	26.9	40.3	

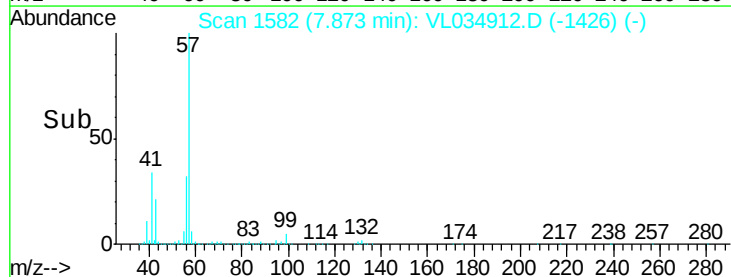
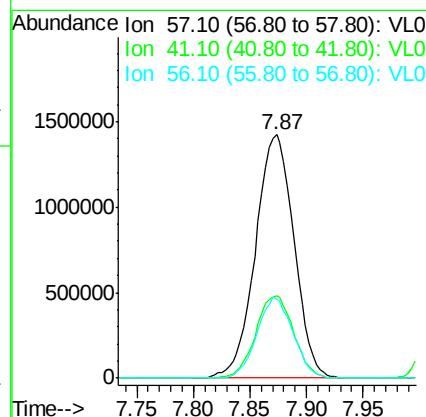
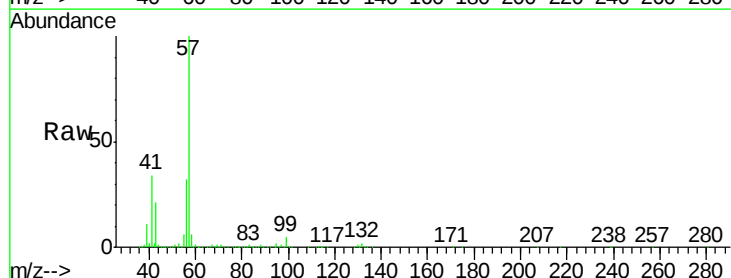
Manual Integrations
APPROVED

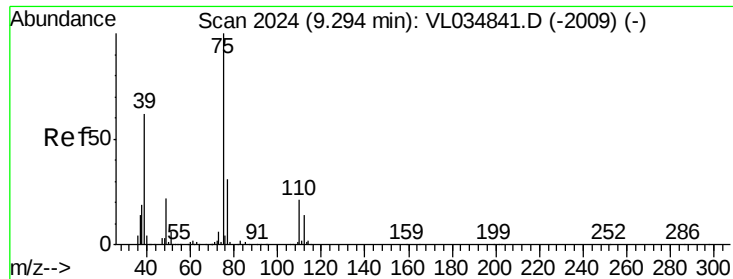
MMDadoda
3/17/2020 12:16:31 PM



#44
2,2,4-Trimethylpentane
Concen: 11.698 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.5	26.2	39.4	
56	31.4	25.0	37.4	





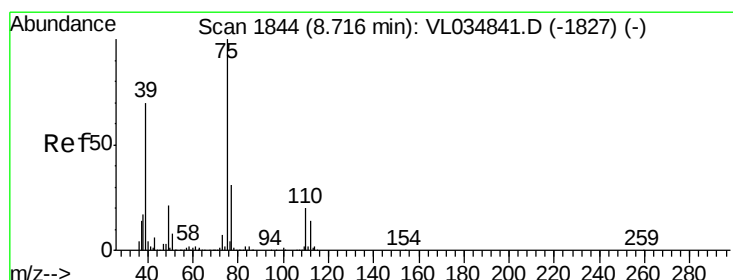
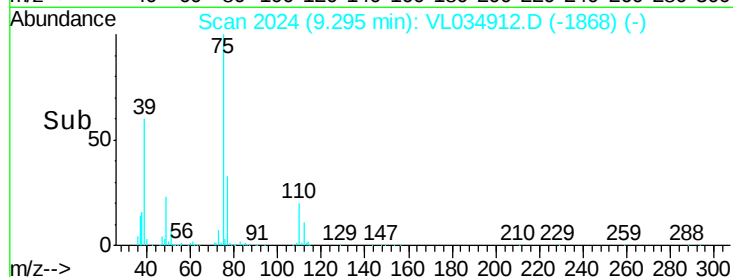
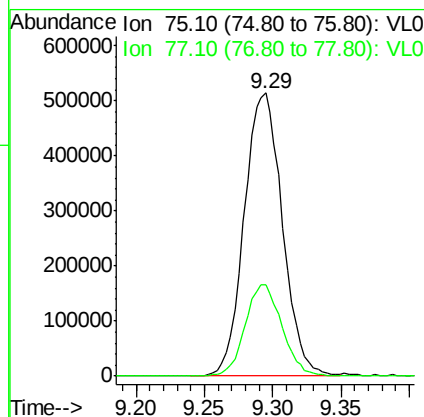
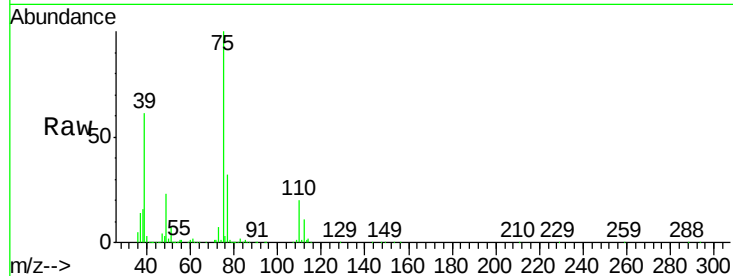
#45
t-1,3-Dichloropropene
Concen: 11.833 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 997241
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0

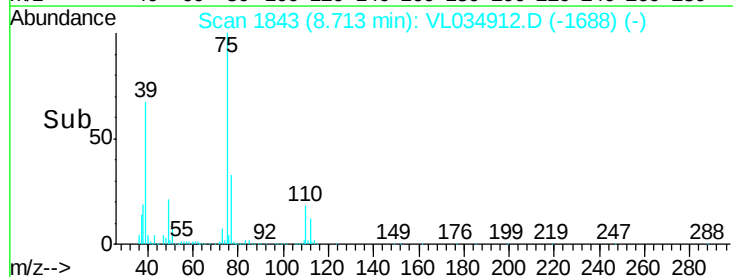
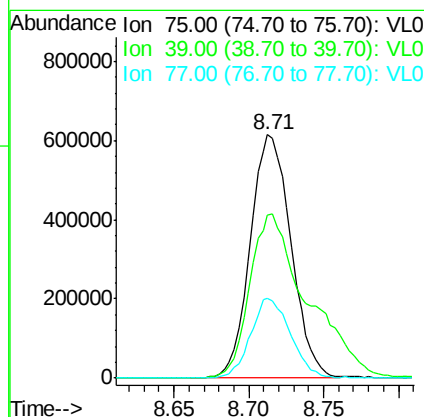
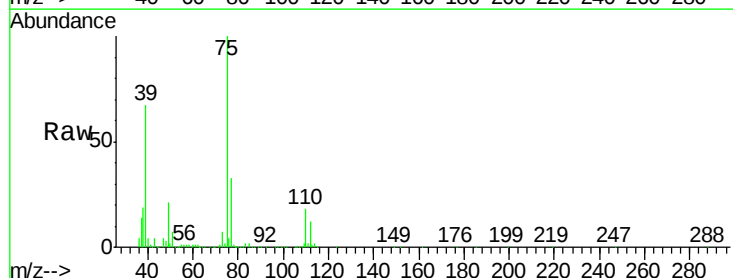
Manual Integrations
APPROVED

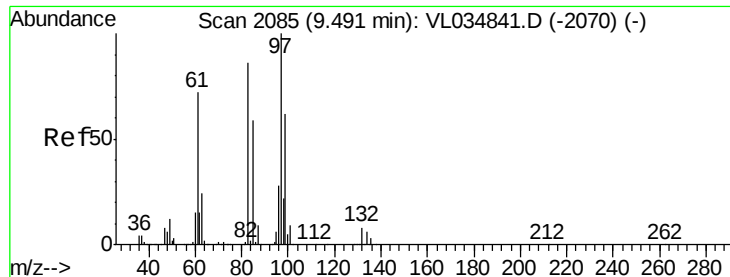
MMDadoda
3/17/2020 12:16:31 PM



#46
cis-1,3-Dichloropropene
Concen: 11.626 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 75 Resp: 1164290
Ion Ratio Lower Upper
75 100
39 66.7 55.7 83.5
77 32.7 24.7 37.1





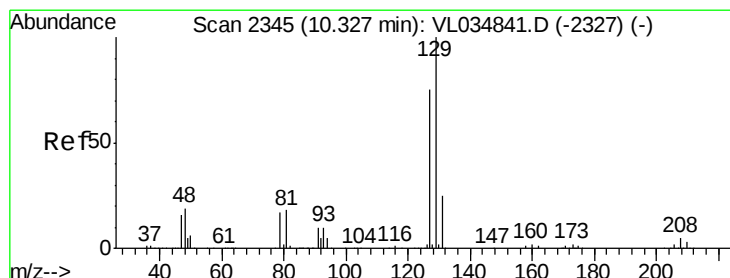
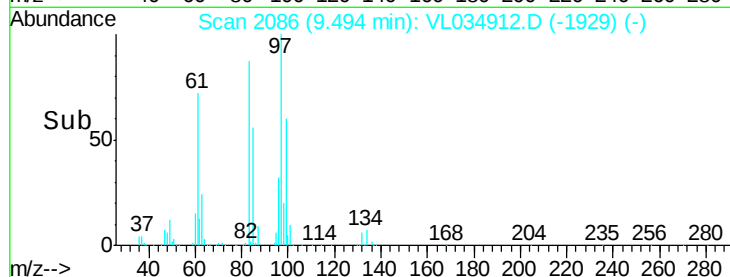
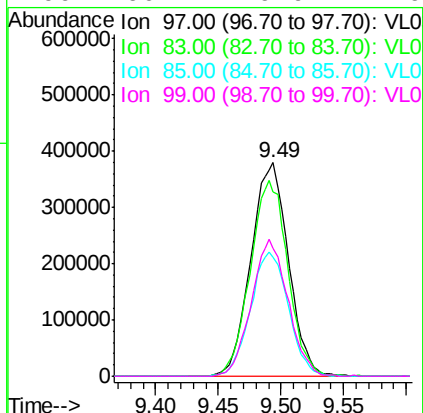
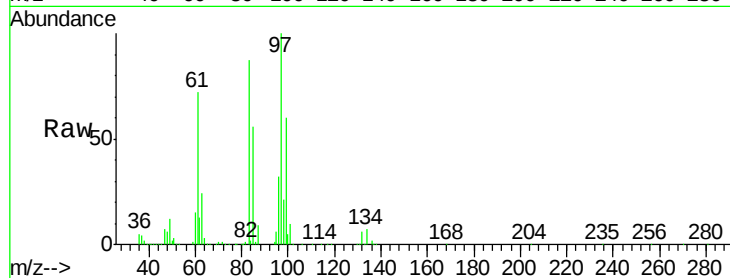
#47
 1,1,2-Trichloroethane
 Concen: 11.387 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.6	102.8
85	55.7	46.9	70.3
99	60.2	49.9	74.9

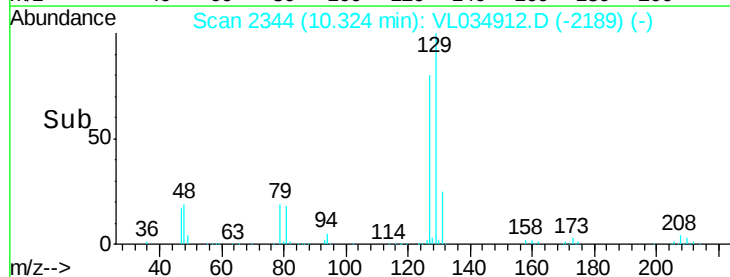
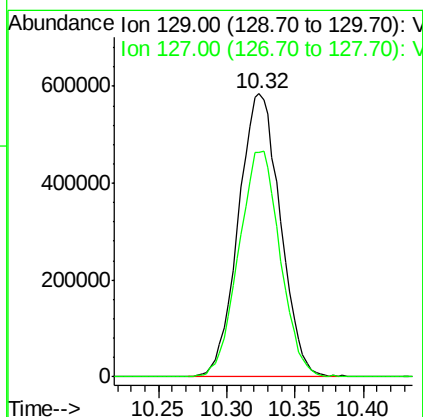
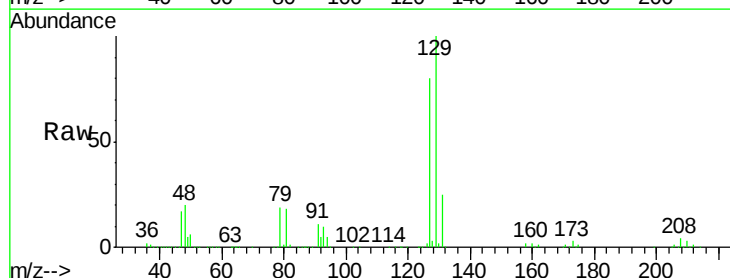
Manual Integrations
 APPROVED

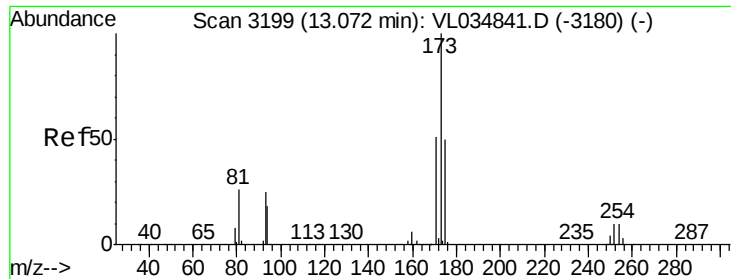
MMDadoda
 3/17/2020 12:16:31 PM



#48
 Dibromochloromethane
 Concen: 11.124 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.6	118.7





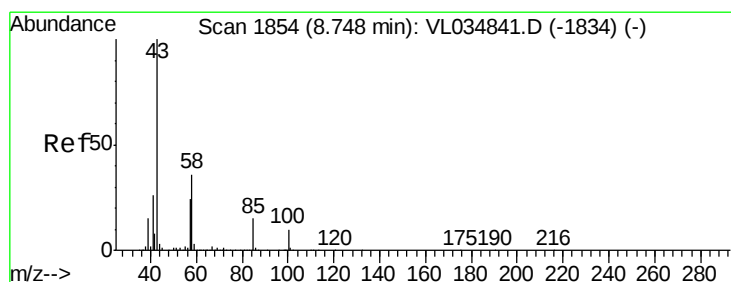
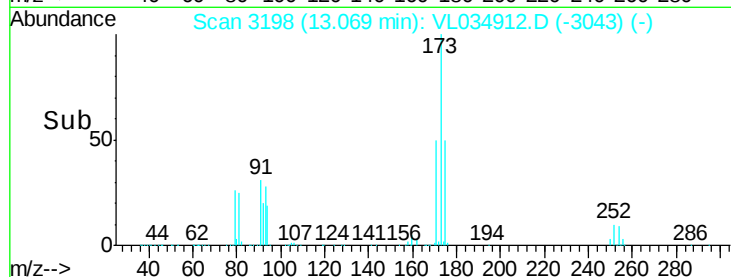
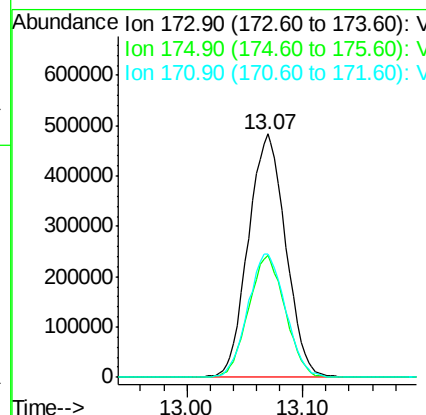
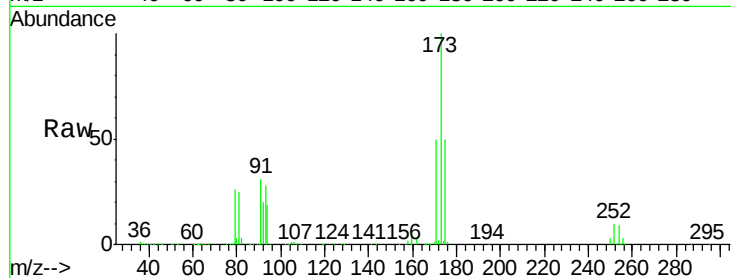
#49
Bromoform
Concen: 10.870 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1086605
Ion Ratio Lower Upper
173 100
175 49.2 39.6 59.4
171 51.3 41.0 61.6

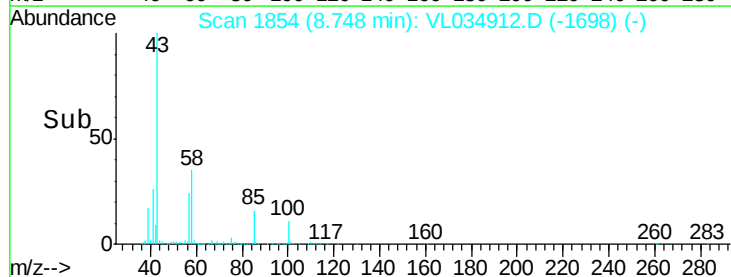
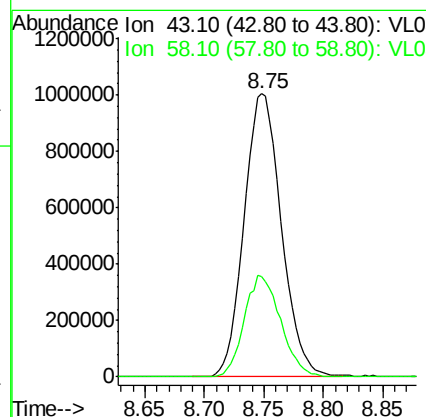
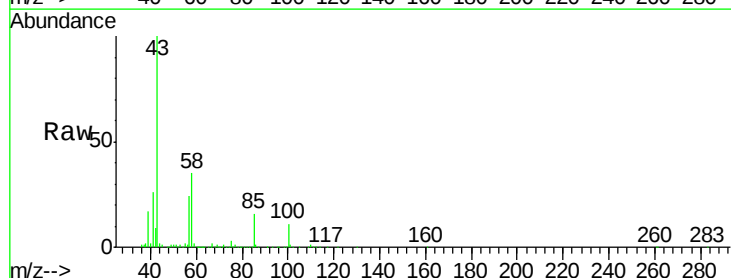
Manual Integrations
APPROVED

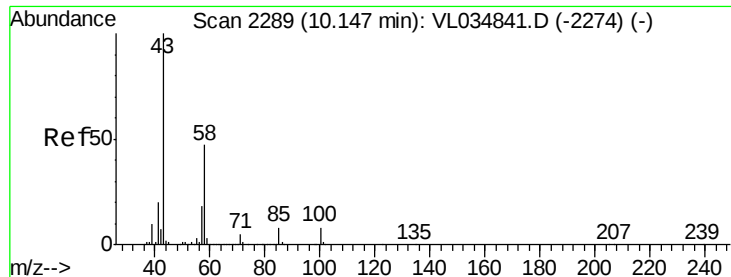
MMDadoda
3/17/2020 12:16:31 PM



#50
4-Methyl-2-Pentanone
Concen: 11.924 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 43 Resp: 2178920
Ion Ratio Lower Upper
43 100
58 35.2 28.6 42.8





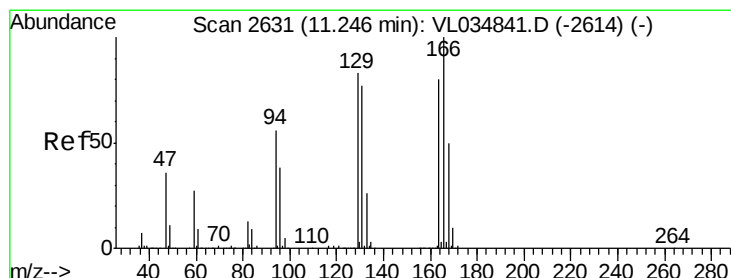
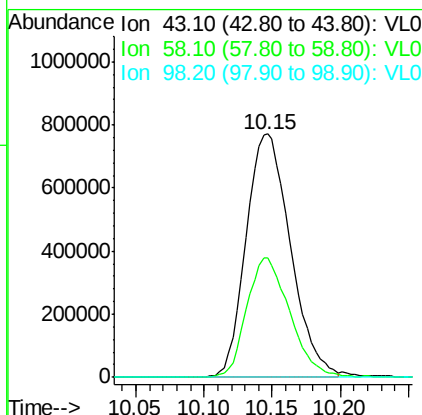
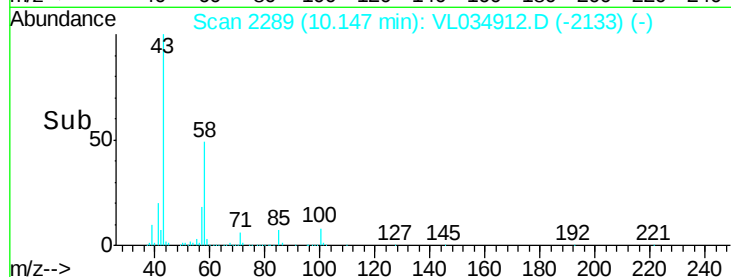
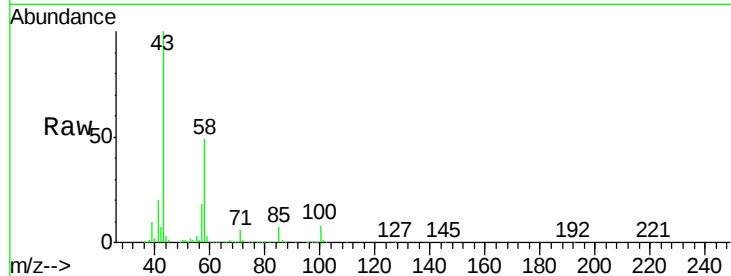
#51
2-Hexanone
Concen: 11.721 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1740714
Ion Ratio Lower Upper
43 100
58 48.0 38.6 58.0
98 0.1 0.1 0.1#

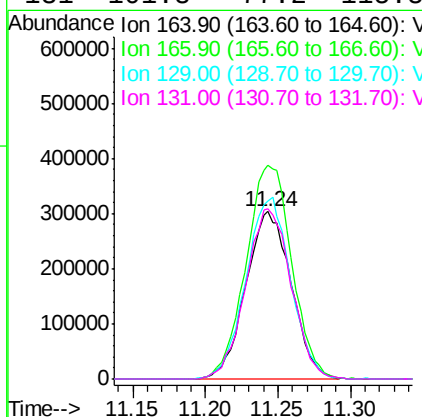
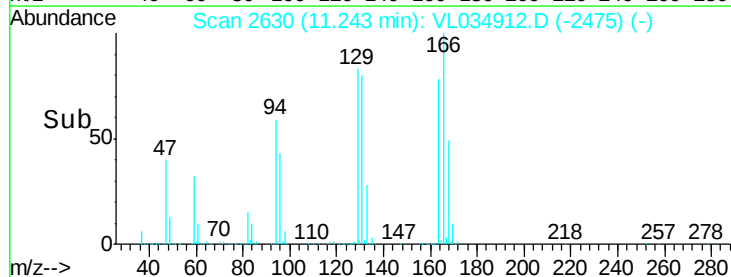
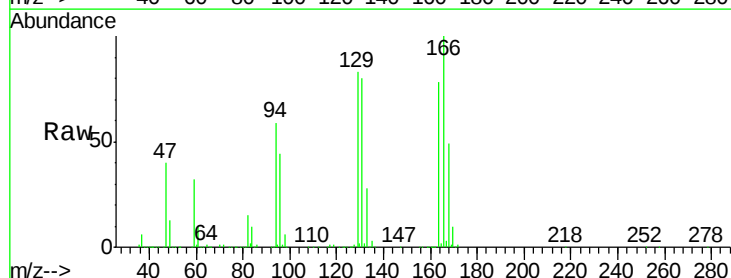
Manual Integrations
APPROVED

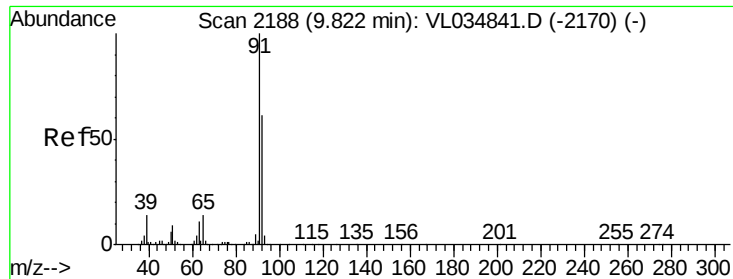
MMDadoda
3/17/2020 12:16:31 PM



#52
Tetrachloroethene
Concen: 9.775 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 164 Resp: 658468
Ion Ratio Lower Upper
164 100
166 127.6 100.0 150.0
129 106.3 83.1 124.7
131 101.8 77.2 115.8





#53

Toluene

Concen: 11.328 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2227397

Ion Ratio Lower Upper

91 100

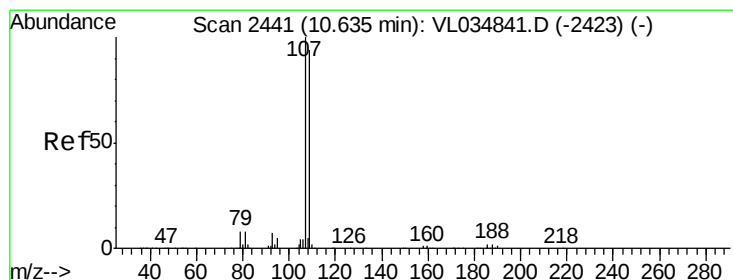
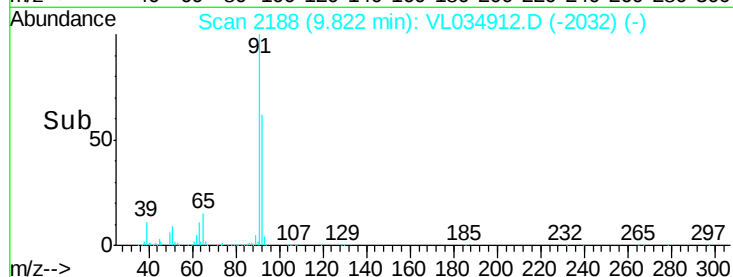
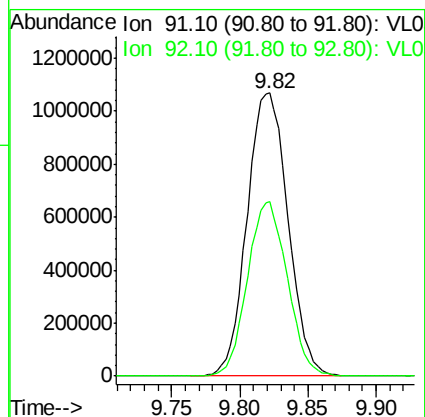
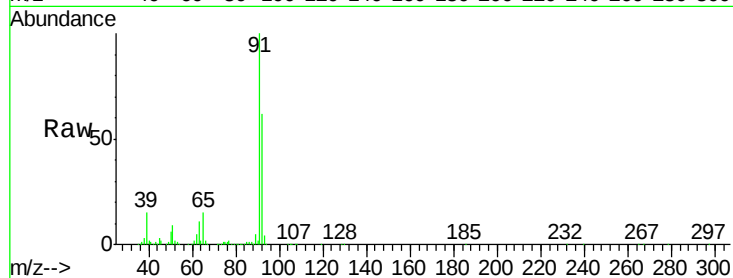
92 60.0 48.6 72.8

Manual Integrations

APPROVED

MMDadoda

3/17/2020 12:16:31 PM



#54

1,2-Dibromoethane

Concen: 11.216 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034912.D

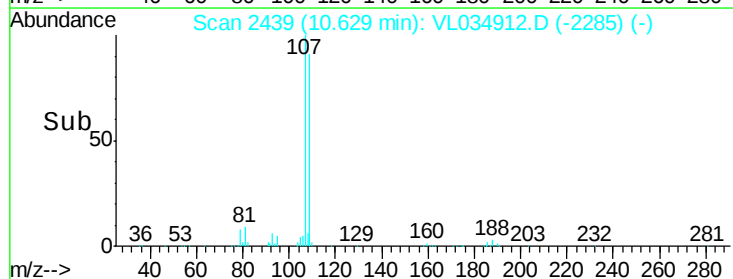
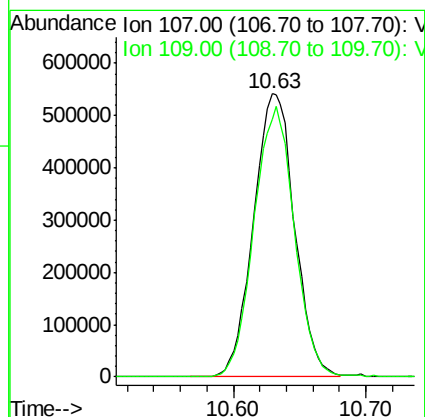
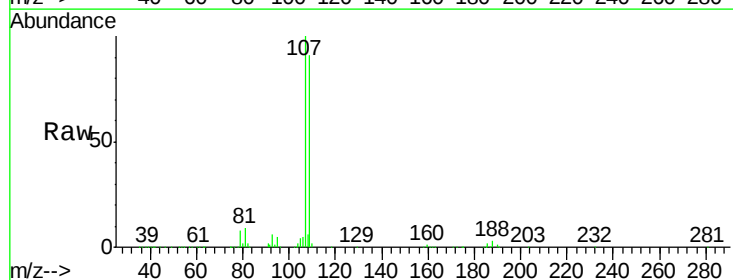
Acq: 17 Mar 2020 5:11

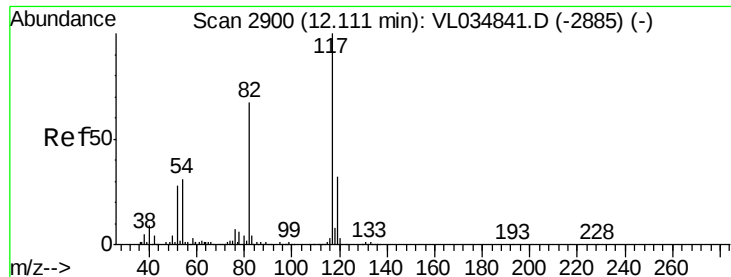
Tgt Ion: 107 Resp: 1168885

Ion Ratio Lower Upper

107 100

109 91.2 74.9 112.3





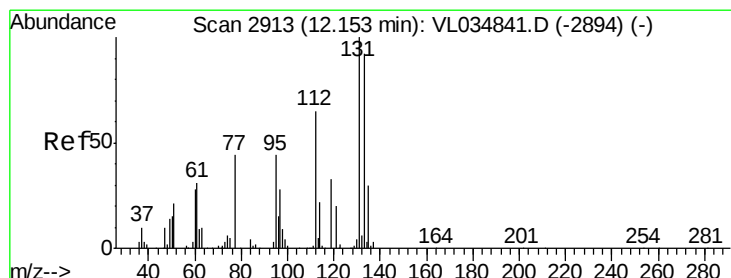
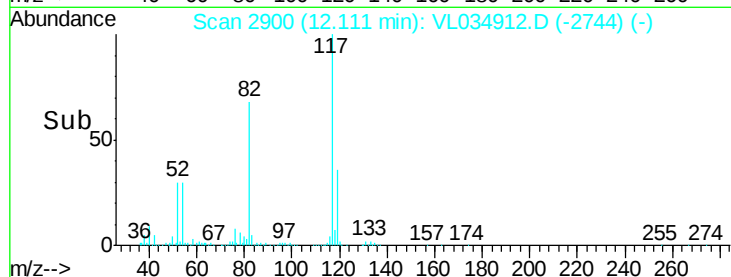
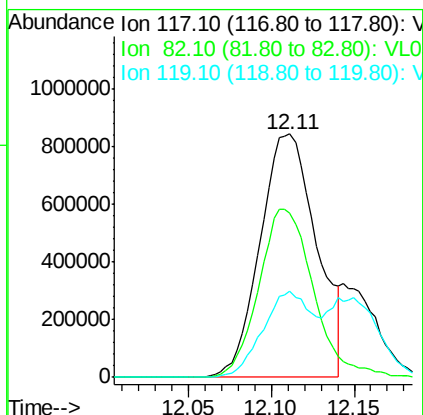
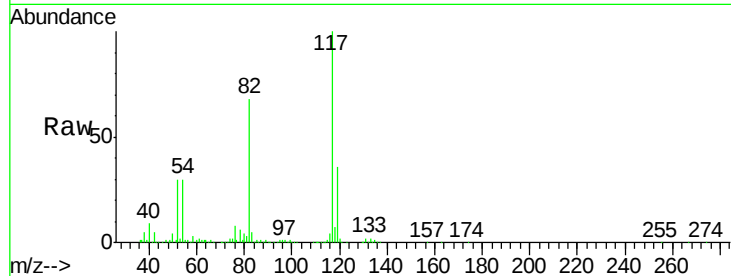
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	51.1	76.7
119	30.0	27.3	40.9

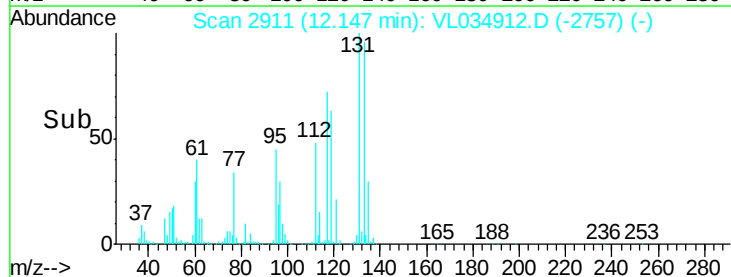
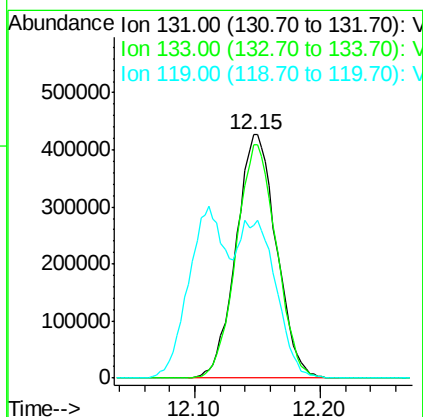
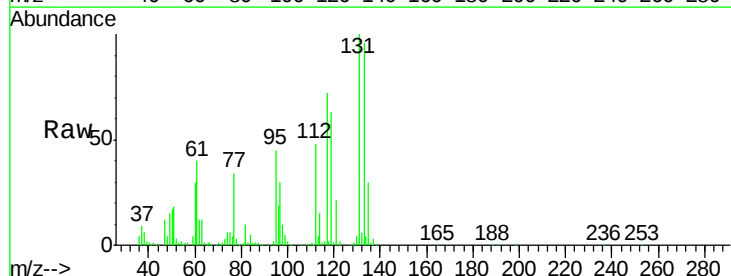
Manual Integrations
APPROVED

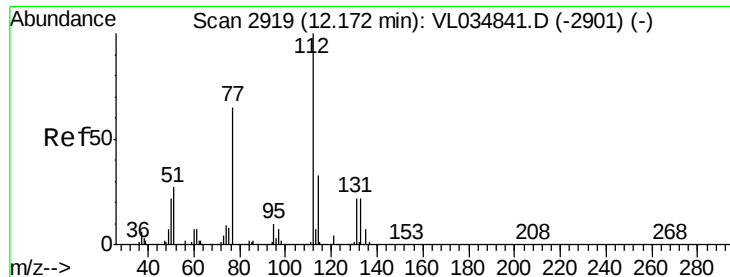
MMDadoda
3/17/2020 12:16:31 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.532 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.0	114.0
119	68.5	47.8	71.8





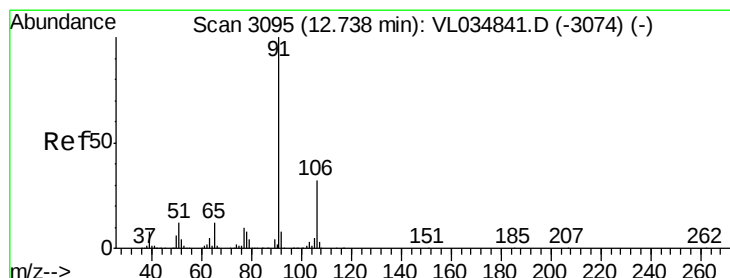
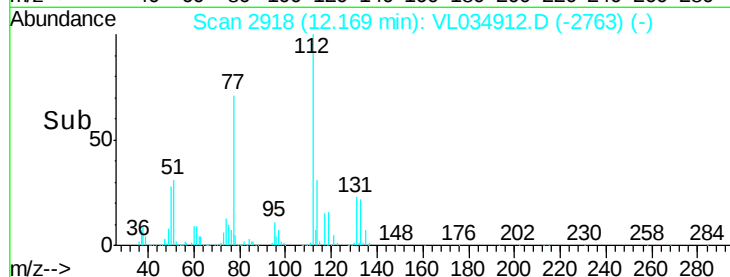
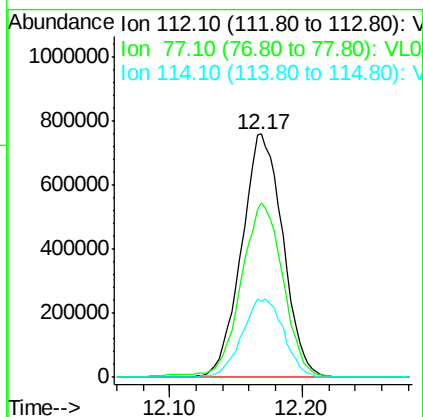
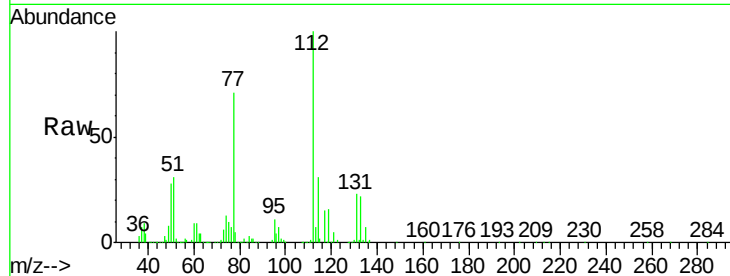
#57
Chlorobenzene
Concen: 10.408 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 1637905
Ion Ratio Lower Upper
112 100
77 71.2 53.0 79.6
114 31.3 29.5 36.1

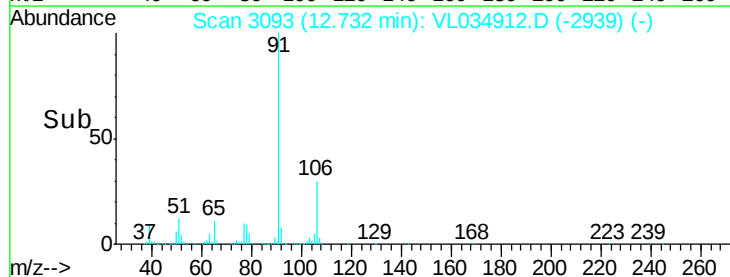
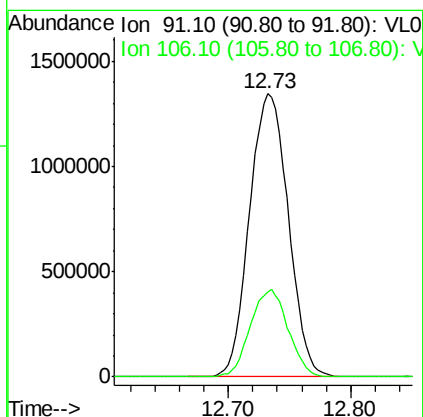
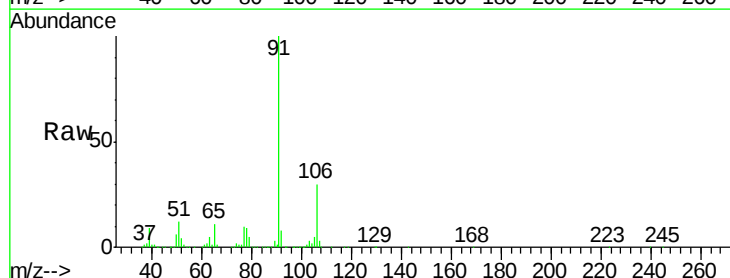
Manual Integrations
APPROVED

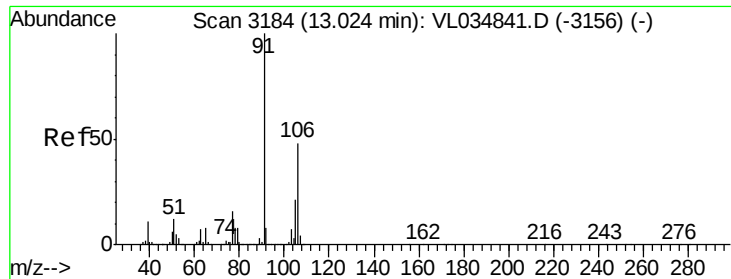
MMDadoda
3/17/2020 12:16:31 PM



#58
Ethyl Benzene
Concen: 10.855 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 91 Resp: 2956841
Ion Ratio Lower Upper
91 100
106 30.2 25.8 38.6





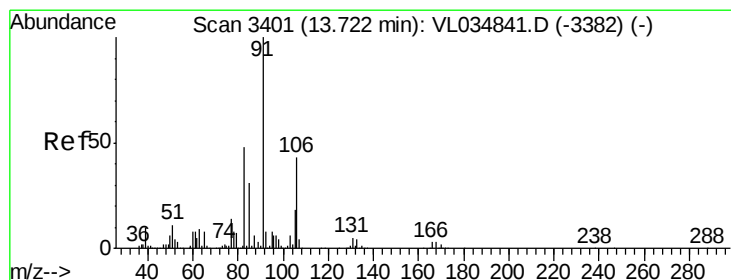
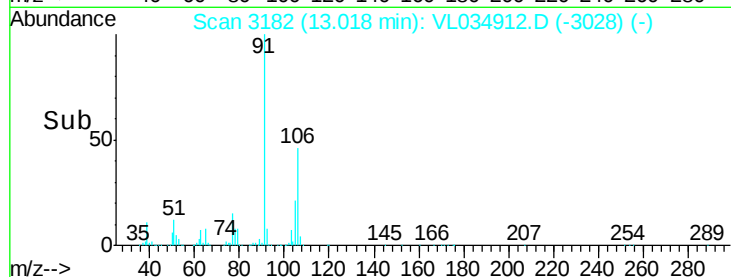
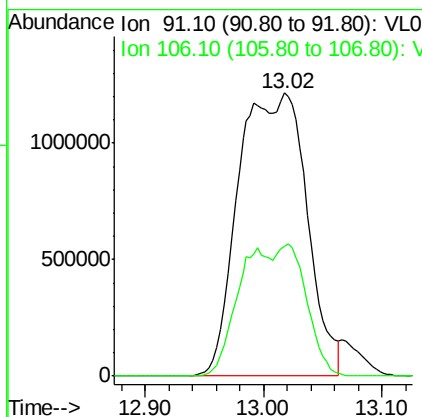
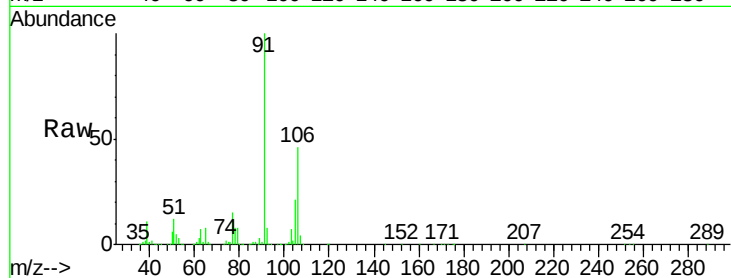
#59
m/p-Xylene
Concen: 21.411 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4886123
Ion Ratio Lower Upper
91 100
106 44.6 37.1 55.7

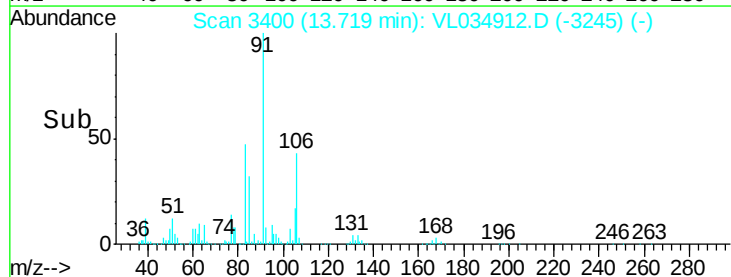
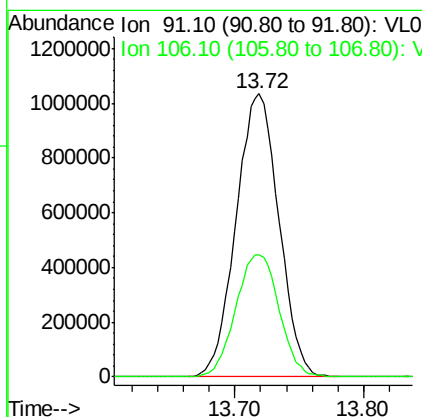
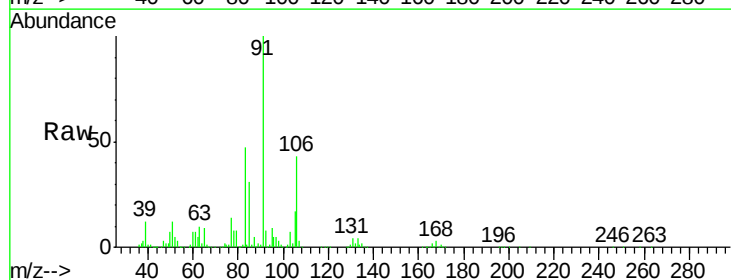
Manual Integrations
APPROVED

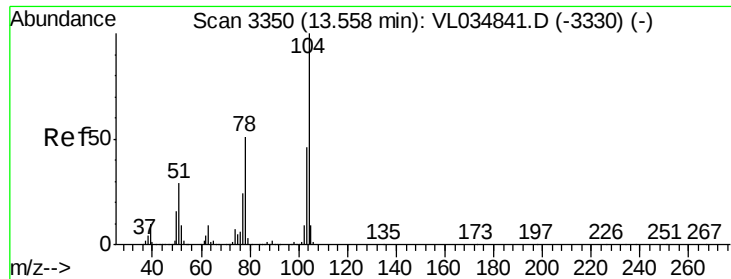
MMDadoda
3/17/2020 12:16:31 PM



#60
o-Xylene
Concen: 10.710 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion: 91 Resp: 2386377
Ion Ratio Lower Upper
91 100
106 43.9 22.5 67.5





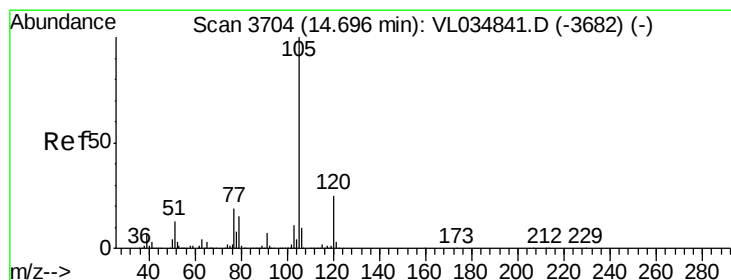
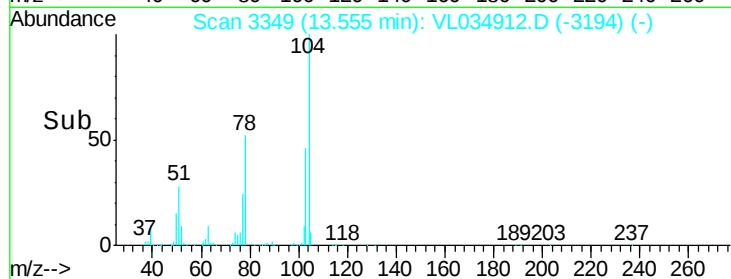
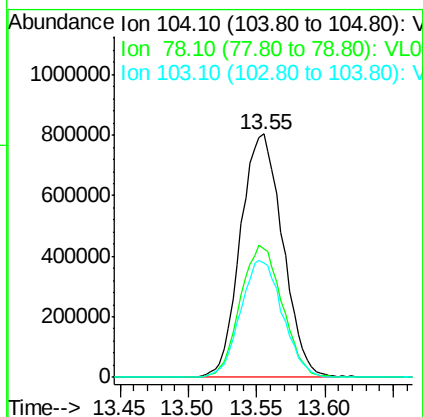
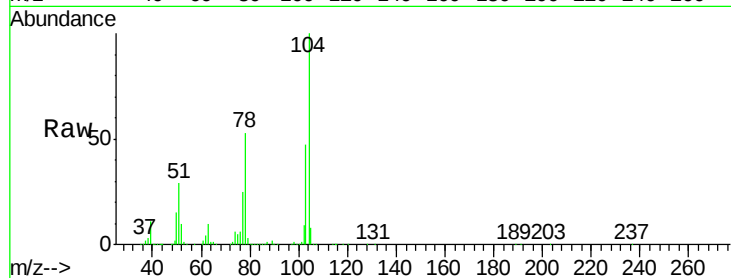
#61
Stvrene
Concen: 11.043 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	41.8	62.6
103	47.9	37.8	56.6

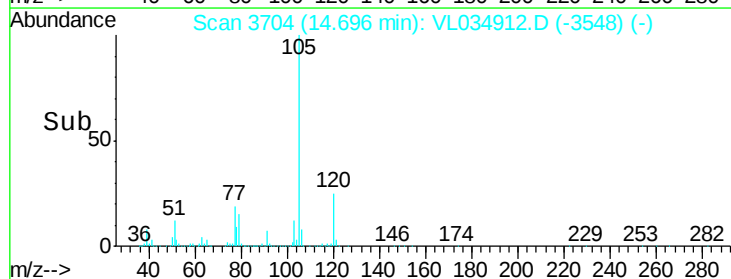
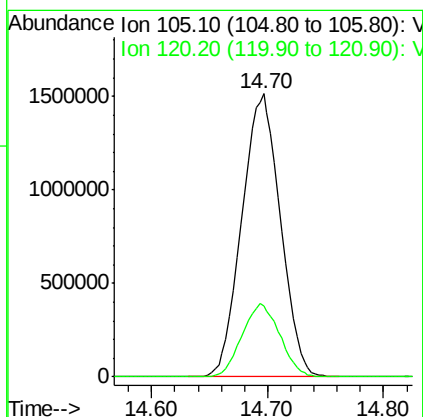
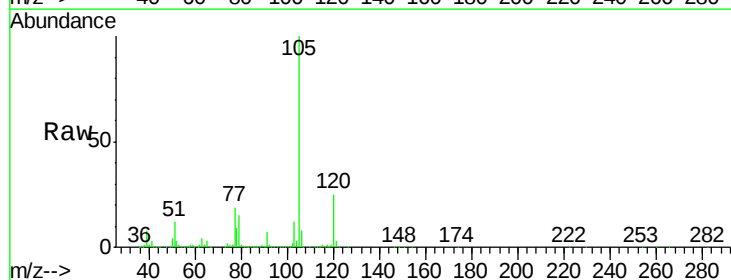
Manual Integrations
APPROVED

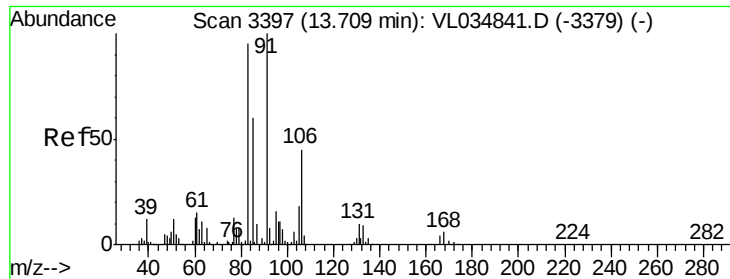
MMDadoda
3/17/2020 12:16:31 PM



#62
Isopropylbenzene
Concen: 10.386 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	21.0	31.4





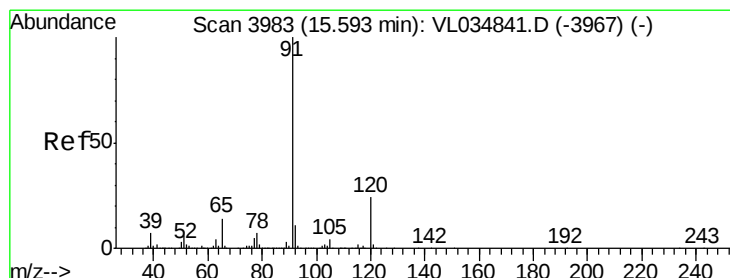
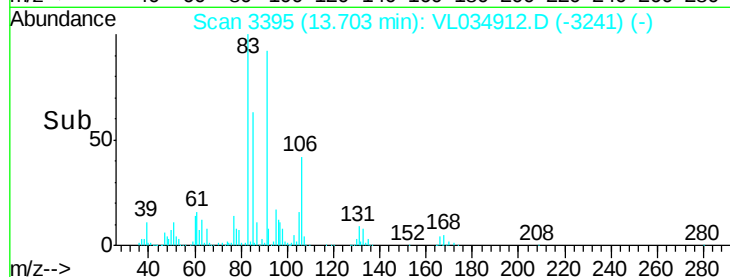
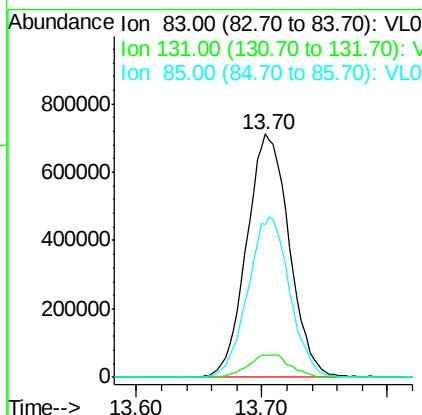
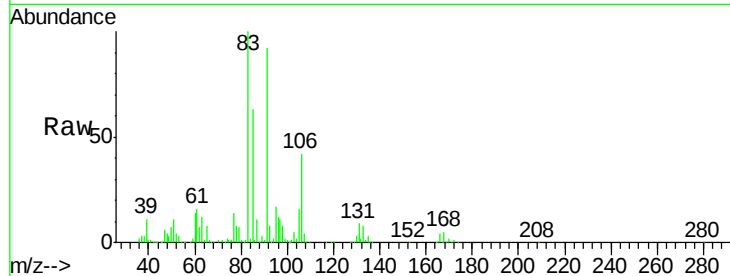
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.062 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1673198
 Ion Ratio Lower Upper
 83 100
 131 9.2 5.0 14.9
 85 65.2 32.4 97.2

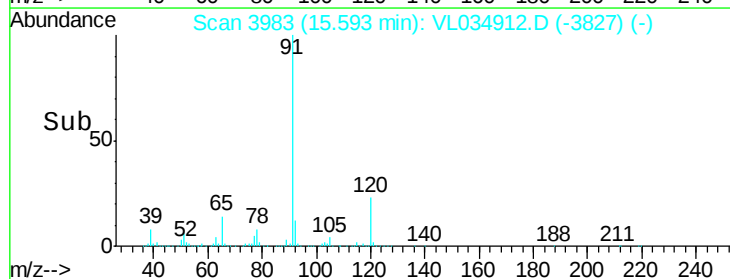
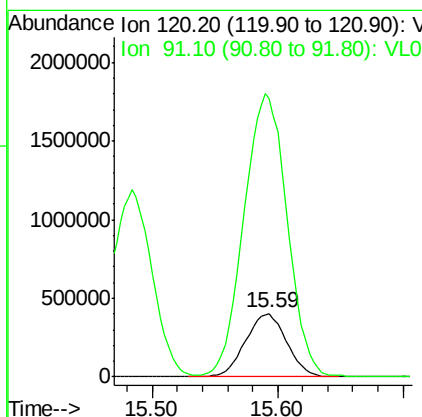
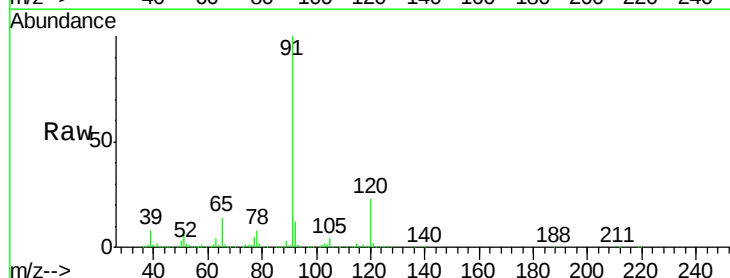
Manual Integrations
 APPROVED

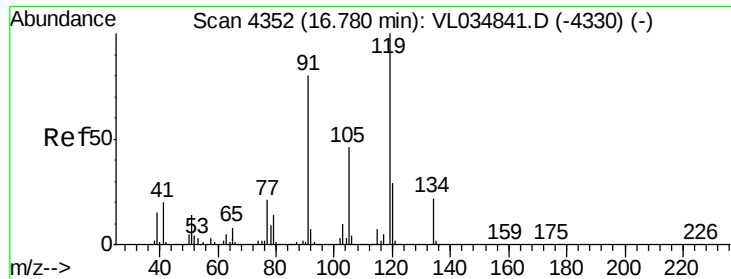
MMDadoda
 3/17/2020 12:16:31 PM



#64
 n-propylbenzene
 Concen: 10.463 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion: 120 Resp: 917476
 Ion Ratio Lower Upper
 120 100
 91 470.4 360.9 541.3





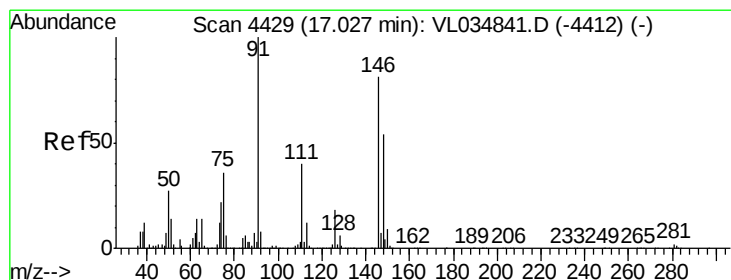
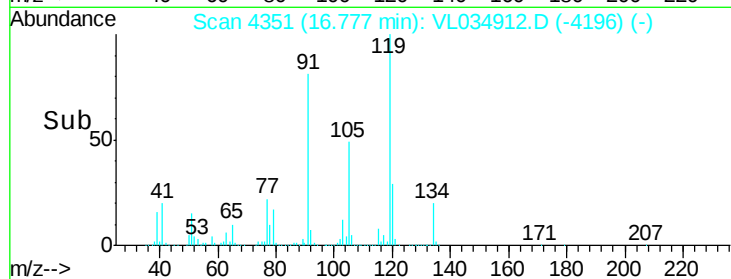
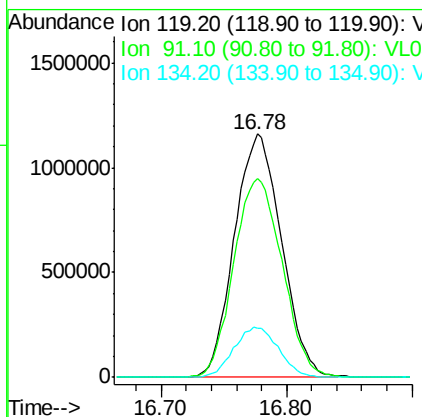
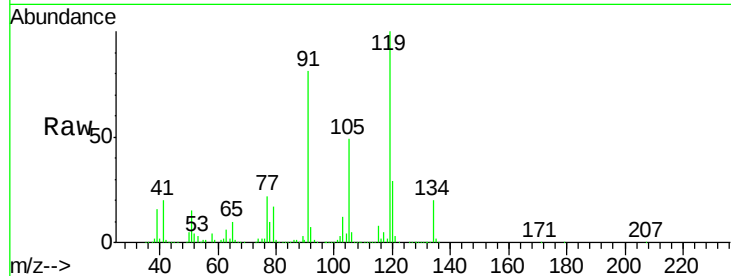
#65
tert-Butylbenzene
Concen: 10.286 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.2	64.9	97.3
134	19.6	15.9	23.9

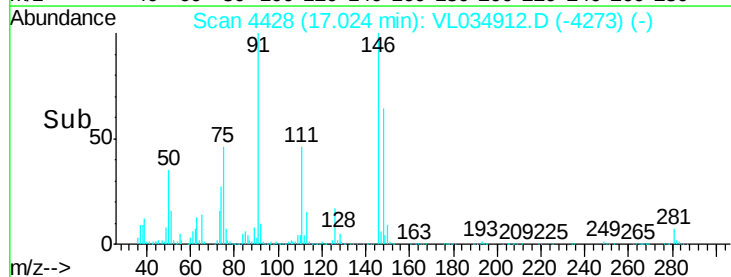
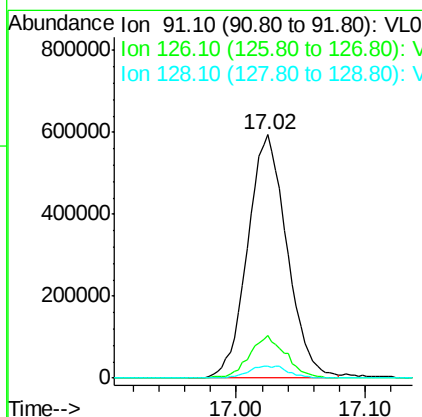
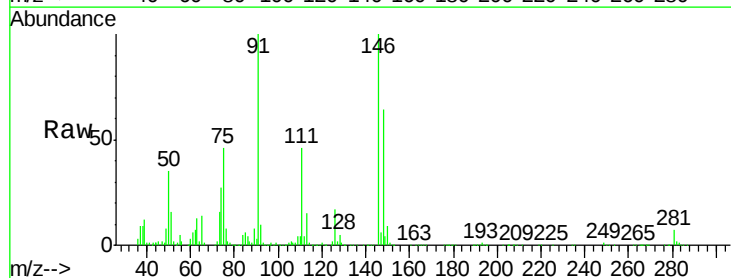
Manual Integrations
APPROVED

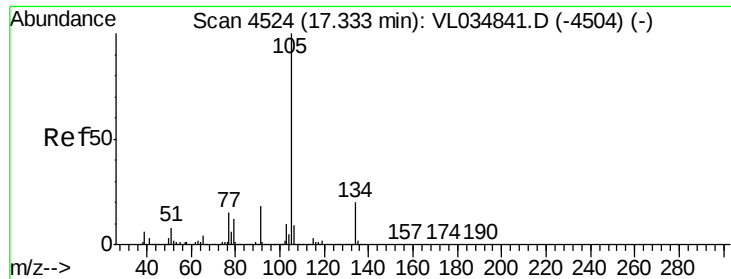
MMDadoda
3/17/2020 12:16:31 PM



#66
Benzyl Chloride
Concen: 10.266 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL034912.D
Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.3	14.7	22.1
128	5.3	4.7	7.1





#67

sec-Butylbenzene

Concen: 10.667 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4356319

Ion Ratio Lower Upper

105 100

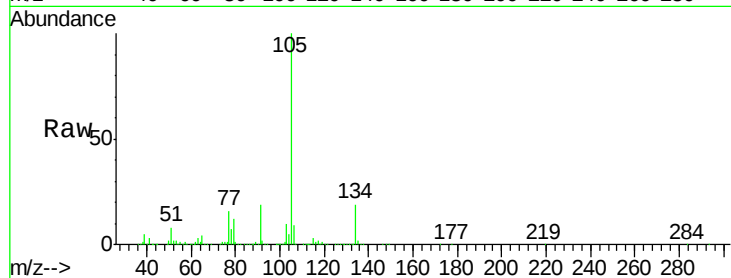
134 18.1 15.0 22.6

Manual Integrations

APPROVED

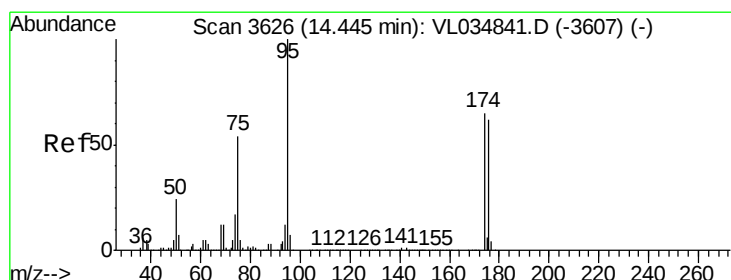
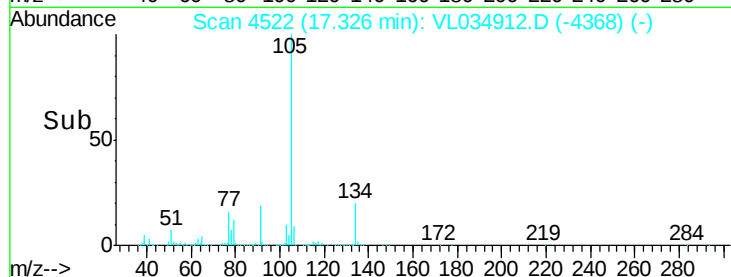
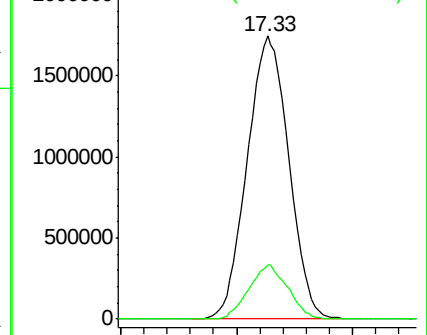
MMDadoda

3/17/2020 12:16:31 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: 10.190 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

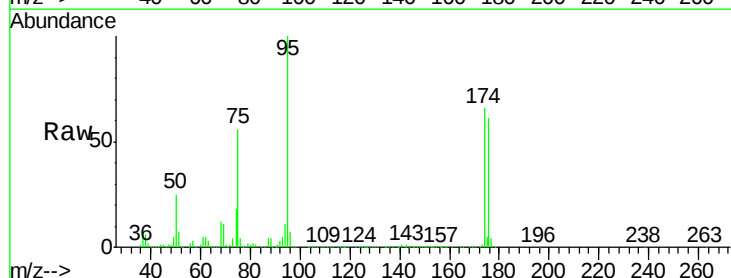
Tgt Ion: 95 Resp: 1598385

Ion Ratio Lower Upper

95 100

174 65.2 55.2 82.8

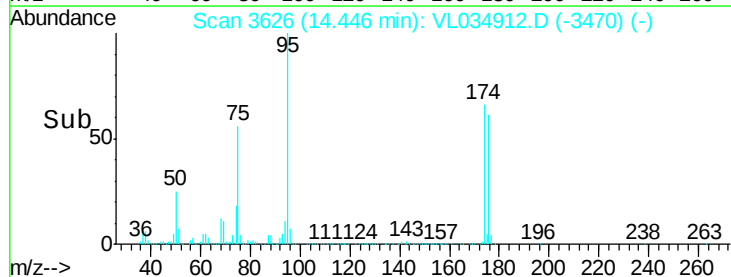
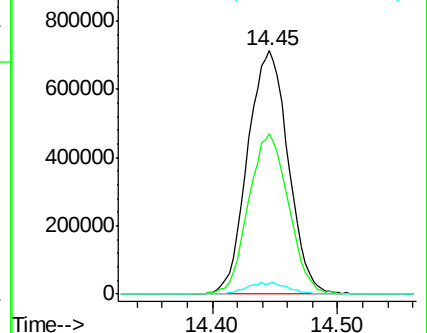
175 4.8 4.3 6.5

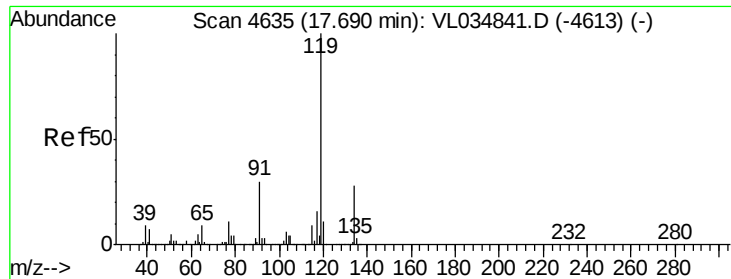


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





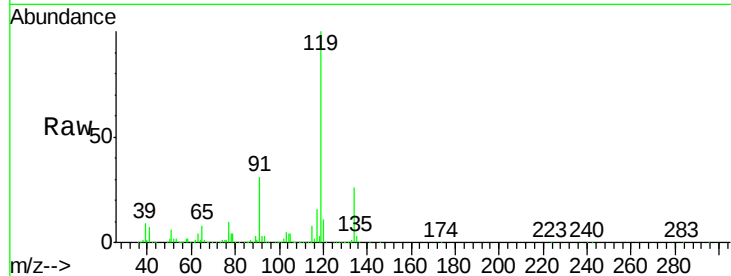
#69
 p-Isopropyltoluene
 Concen: 10.486 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

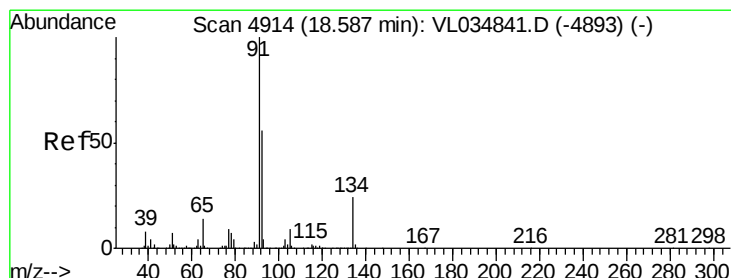
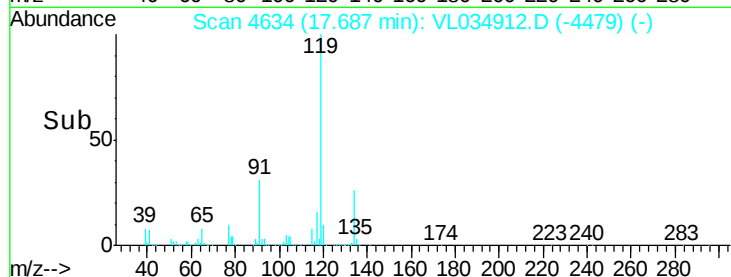
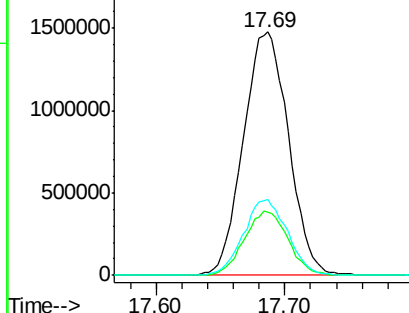
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	30.6	23.4	35.2

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:16:31 PM

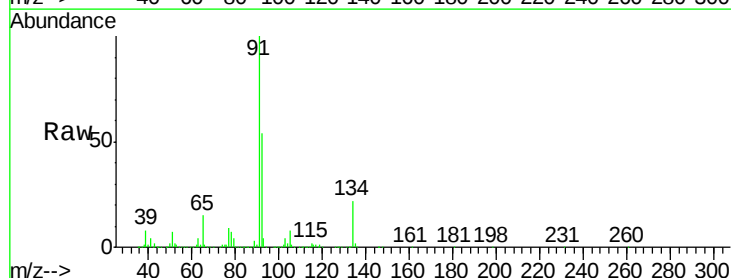


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

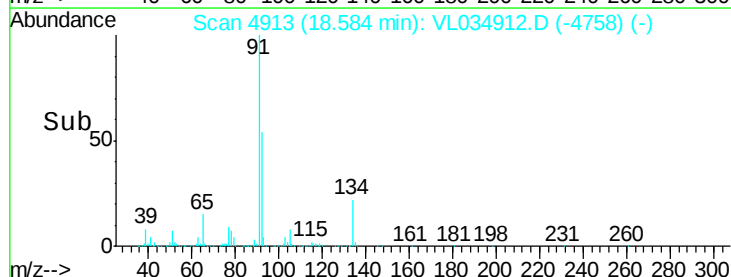
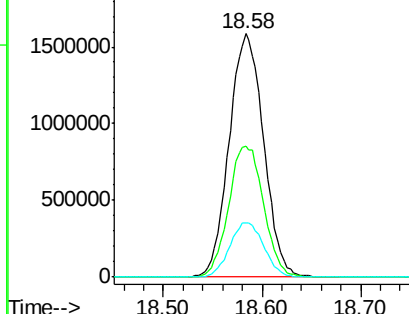


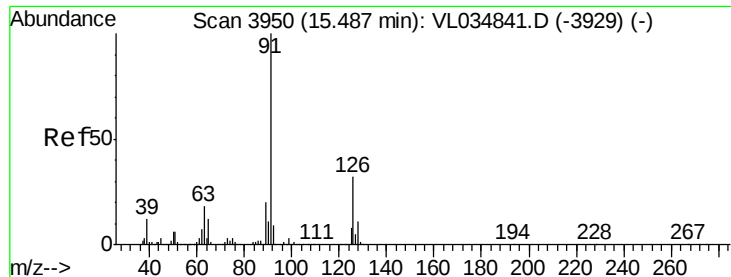
#70
 n-Butylbenzene
 Concen: 11.031 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.6
134	22.4	19.0	28.4



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





#71

2-Chlorotoluene

Concen: 10.483 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2674552

Ion Ratio Lower Upper

91 100

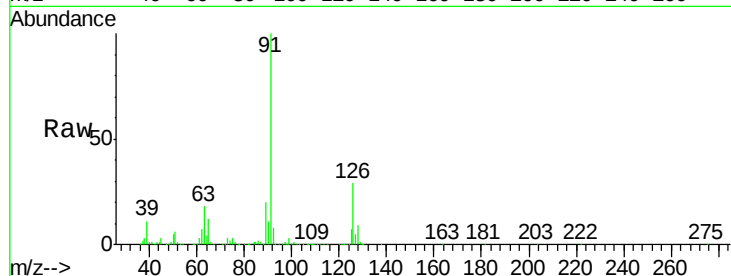
126 29.8 12.3 49.1

Manual Integrations

APPROVED

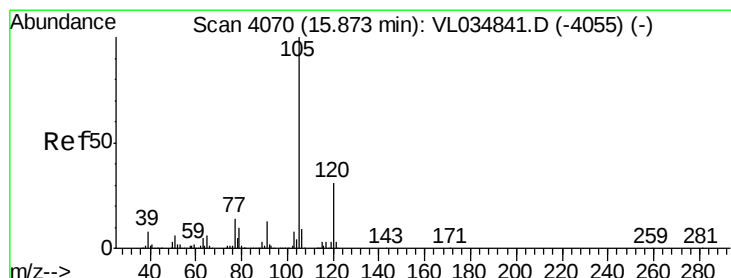
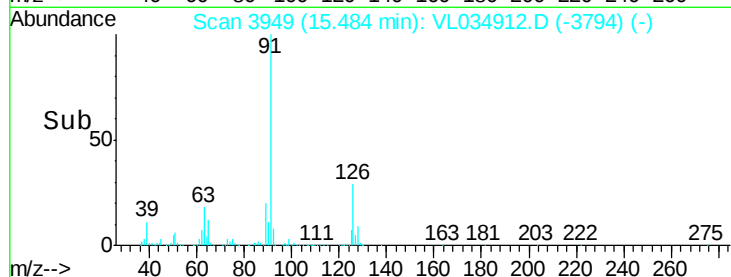
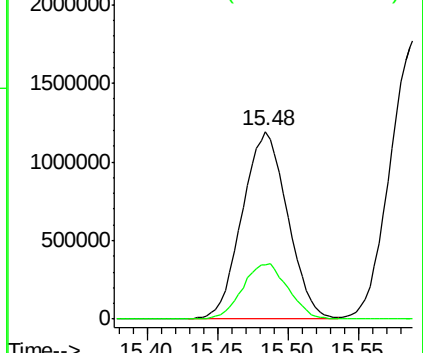
MMDadoda

3/17/2020 12:16:31 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.769 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Tgt Ion:105 Resp: 2833749

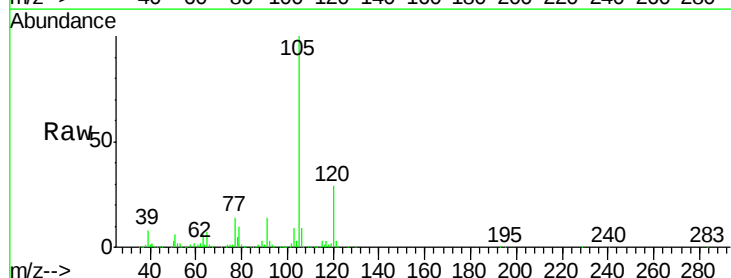
Ion Ratio Lower Upper

105 100

120 28.8 23.7 35.5

91 13.8 10.5 15.7

77 14.2 11.1 16.7

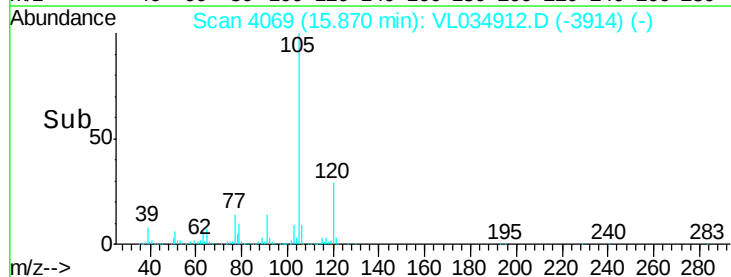
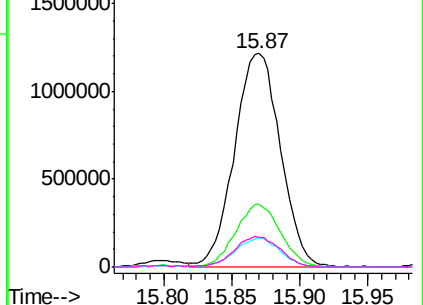


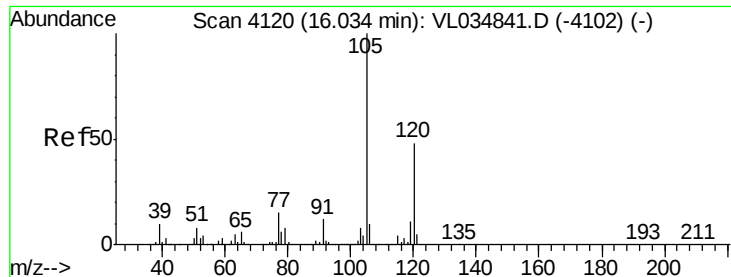
Abundance Ion 105.10 (104.80 to 105.80): V

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





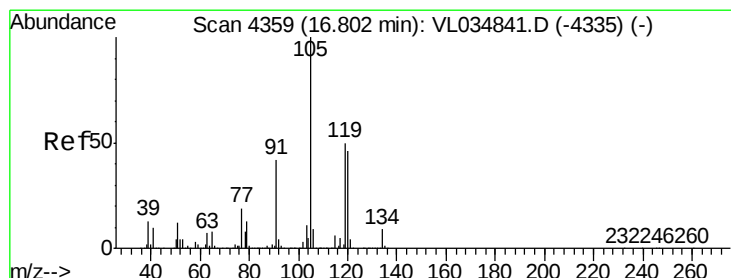
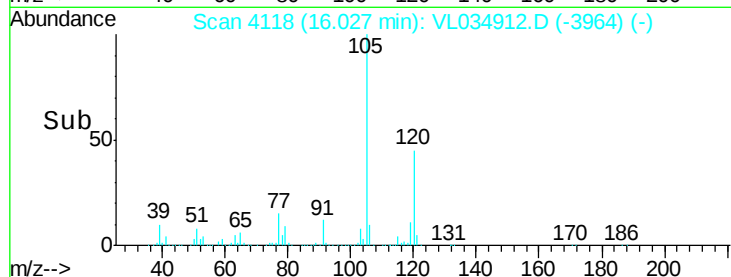
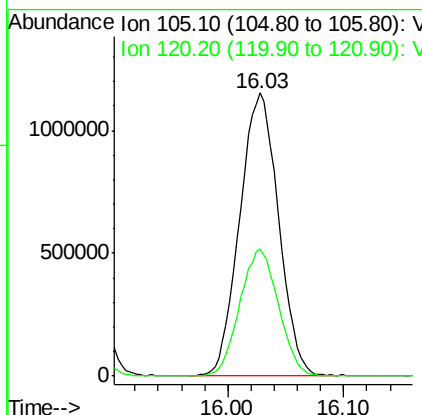
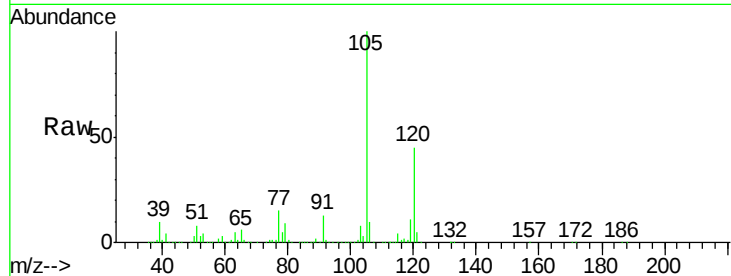
#73
 1,3,5-Trimethylbenzene
 Concen: 10.854 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.01 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2673624
 Ion Ratio Lower Upper
 105 100
 120 45.0 38.6 58.0

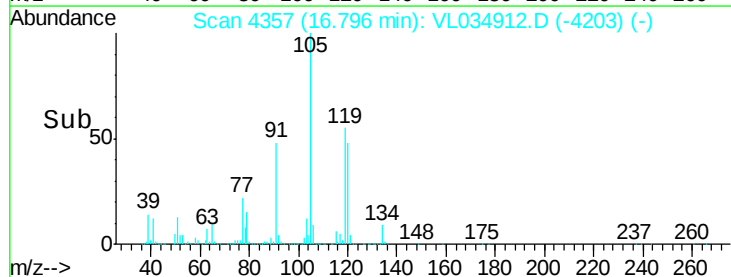
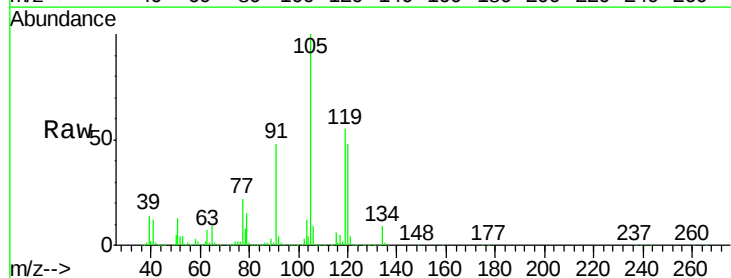
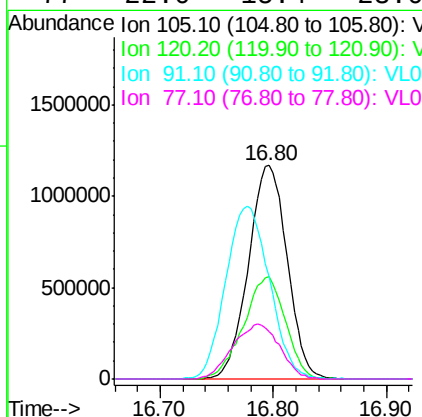
Manual Integrations
 APPROVED

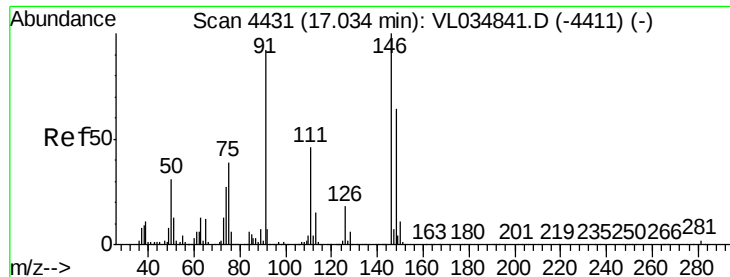
MMDadoda
 3/17/2020 12:16:31 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.952 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion:105 Resp: 2779312
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.0 55.4
 91 48.0 33.8 50.6
 77 22.0 15.4 23.0





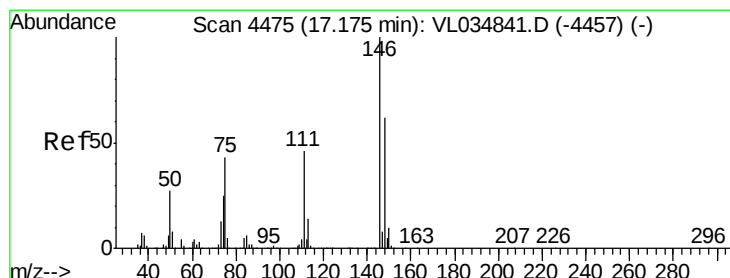
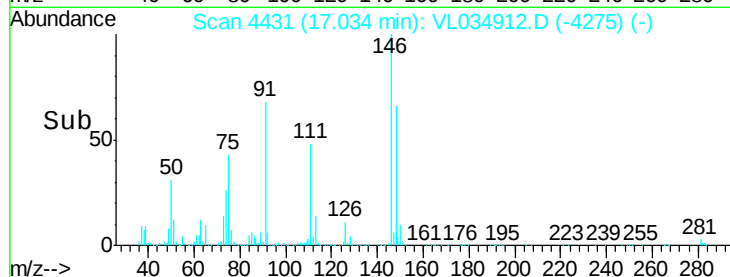
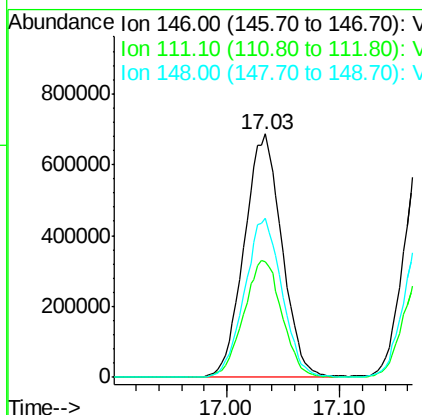
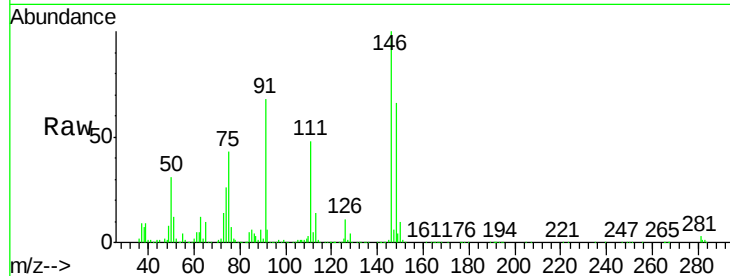
#75
 1,3-Dichlorobenzene
 Concen: 10.394 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1590505
 Ion Ratio Lower Upper
 146 100
 111 48.7 23.9 71.7
 148 64.6 32.5 97.5

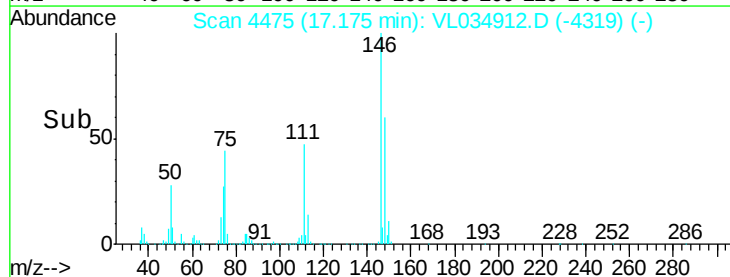
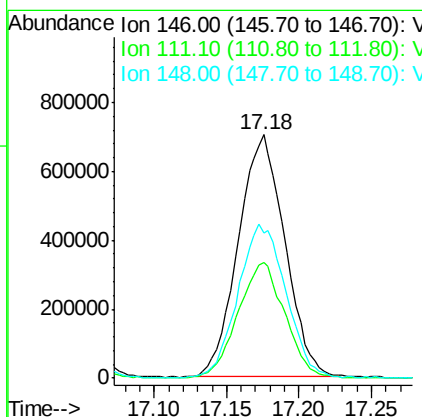
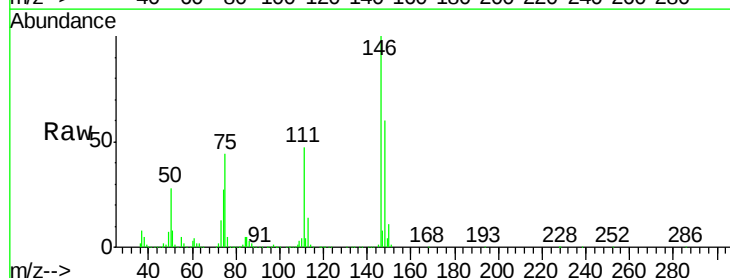
Manual Integrations
 APPROVED

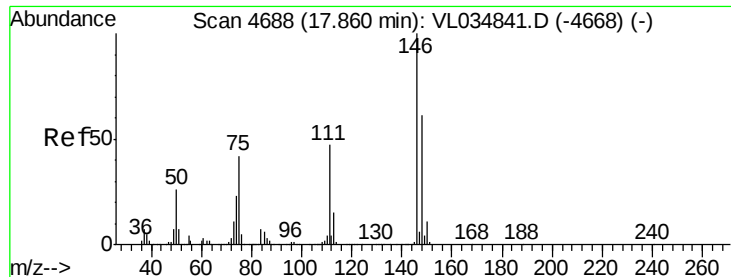
MMDadoda
 3/17/2020 12:16:31 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.309 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion:146 Resp: 1574195
 Ion Ratio Lower Upper
 146 100
 111 48.3 23.4 70.2
 148 65.8 32.3 96.9





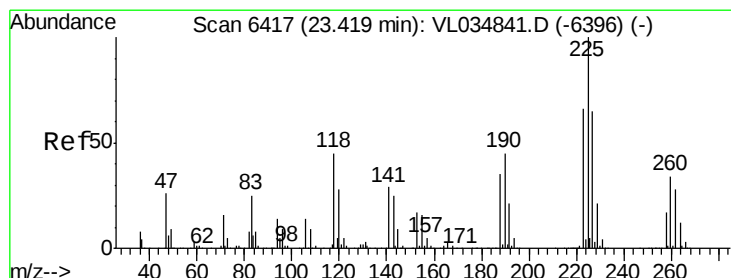
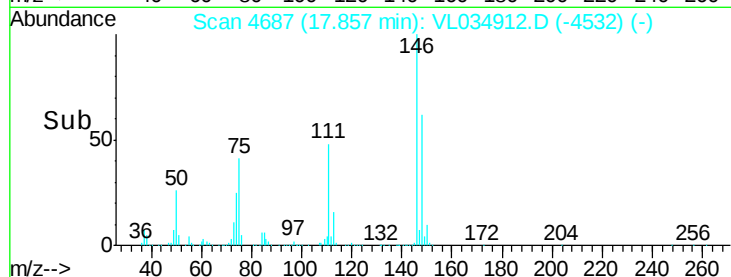
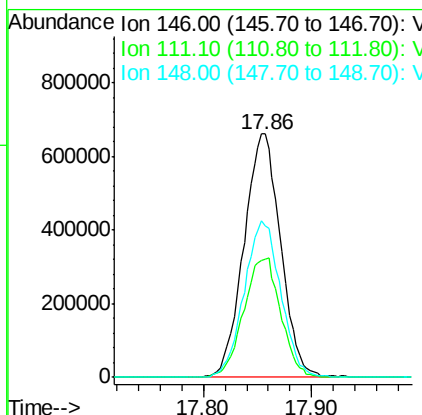
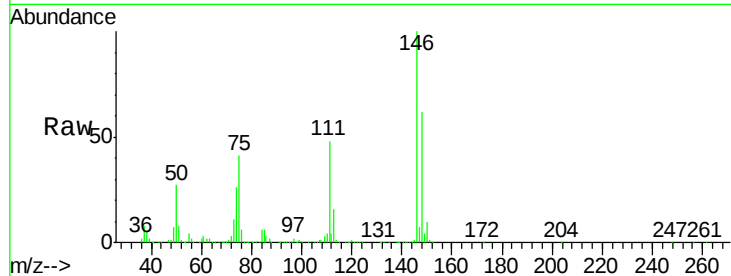
#77
 1,2-Dichlorobenzene
 Concen: 10.545 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1564150
 Ion Ratio Lower Upper
 146 100
 111 49.5 23.8 71.4
 148 64.2 31.6 94.8

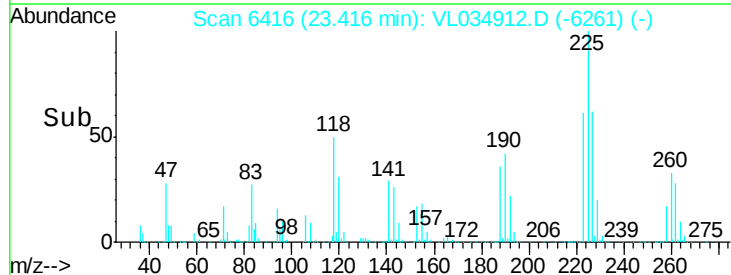
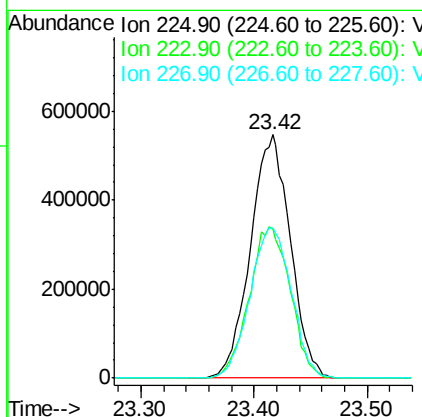
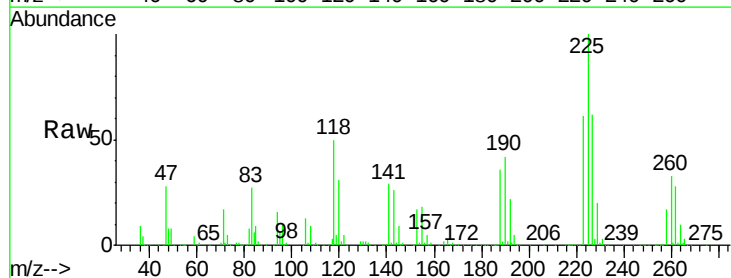
Manual Integrations
 APPROVED

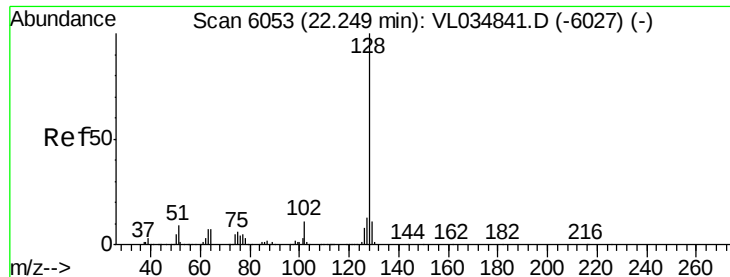
MMDadoda
 3/17/2020 12:16:31 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.791 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Tgt Ion:225 Resp: 1336809
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.1 76.7
 227 64.3 51.8 77.6





#79

Naphthalene

Concen: 13.637 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 2698976

Ion Ratio Lower Upper

128 100

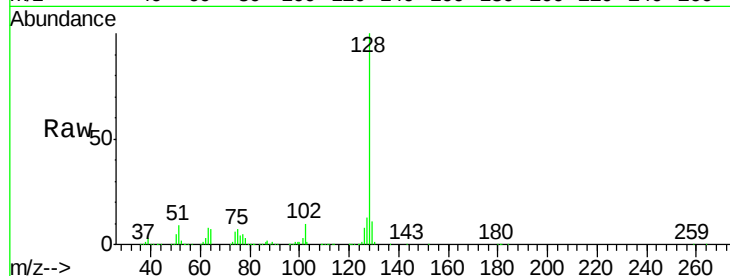
127 12.6 10.2 15.2

129 10.8 8.6 13.0

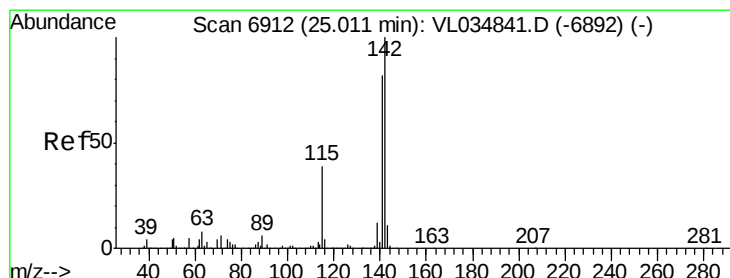
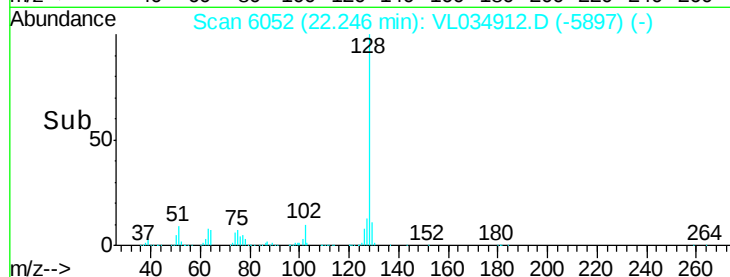
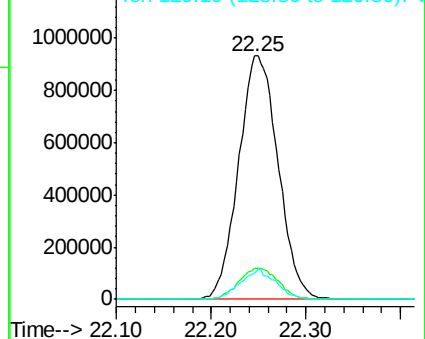
Manual Integrations
APPROVED

MMDadoda

3/17/2020 12:16:31 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: 18.623 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034912.D

Acq: 17 Mar 2020 5:11

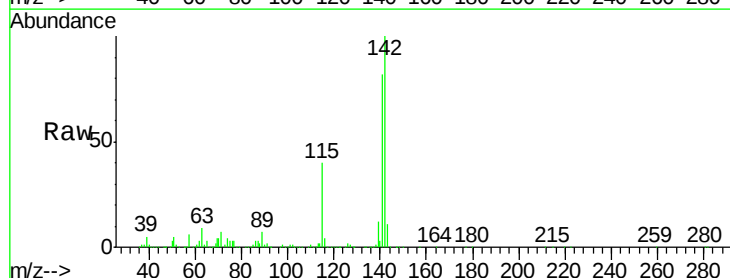
Tgt Ion:142 Resp: 963164

Ion Ratio Lower Upper

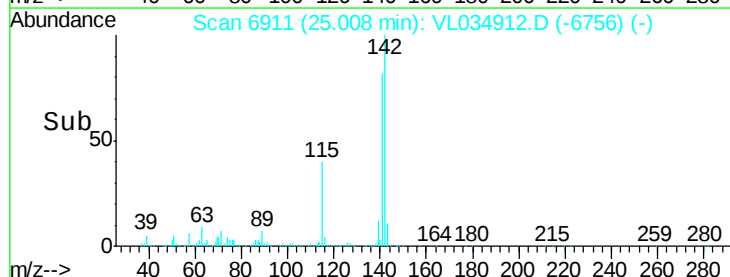
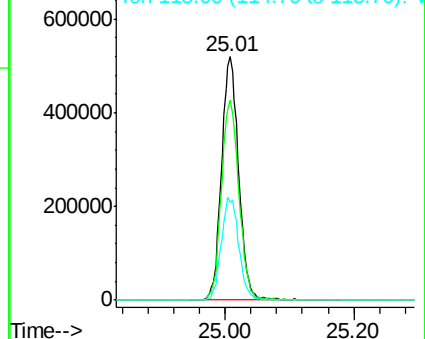
142 100

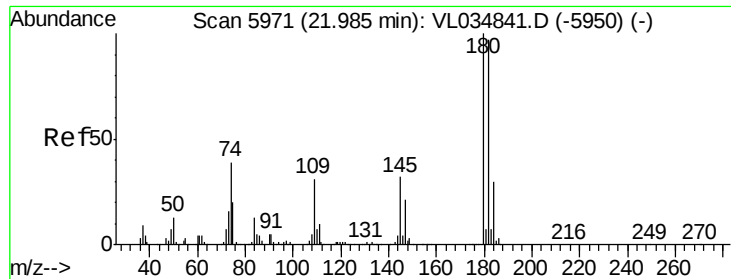
141 84.5 68.9 103.3

115 43.0 33.2 49.8



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: 12.163 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034912.D
 Acq: 17 Mar 2020 5:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.6	115.0
184	31.5	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:16:31 PM

