

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031720\
 Data File : VL034914.D
 Acq On : 17 Mar 2020 12:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:39 PM

Quant Time: Mar 18 07:12:06 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	1010492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2231033	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2413472	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1858536	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1029171	7.438	ppbv	98
3) Chlorodifluoromethane	2.94	51	1110482	9.838	ppbv	100
4) Chloromethane	3.10	50	643775	10.091	ppbv	97
5) Vinyl Chloride	3.21	62	613701	10.006	ppbv	92
6) Bromomethane	3.43	94	353047	9.888	ppbv	94
7) Chloroethane	3.52	64	226457	10.224	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1353012	9.415	ppbv	97
9) Propene	2.96	41	520095	9.650	ppbv	100
10) Heptane	8.13	43	1353224	10.202	ppbv	99
11) Trichlorofluoromethane	3.92	101	1362036	9.252	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	965112	9.367	ppbv	97
13) Ethanol	3.57	45	127839	7.802	ppbv	96
14) Bromoethene	3.70	108	432449	9.719	ppbv	99
15) Acetone	3.82	43	1124010	8.582	ppbv	100
16) 1,3-Butadiene	3.29	39	580726	9.805	ppbv	100
17) tert-Butyl alcohol	4.26	59	1009452	8.000	ppbv	99
18) 1,1-Dichloroethene	4.26	96	455709	9.988	ppbv	99
19) Isopropyl Alcohol	3.93	45	715404	8.650	ppbv	# 40
20) Methylene Chloride	4.32	84	395744	9.557	ppbv	98
21) Allyl Chloride	4.38	41	788862	9.378	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	446564	9.647	ppbv	97
23) Vinyl Acetate	5.05	43	1873345	9.683	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1254398	9.672	ppbv	99
25) Ethyl Acetate	5.66	43	2256420	9.670	ppbv	99
26) Hexane	5.67	57	994421	9.897	ppbv	99
27) Carbon Disulfide	4.52	76	1132060	9.929	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1534013	9.176	ppbv	98
29) Chloroform	5.74	83	1490778	9.724	ppbv	97
30) Cyclohexane	7.13	84	832193	9.927	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1026349	9.989	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1431938	9.586	ppbv	98
34) 2-Butanone	5.22	43	1501776	10.129	ppbv	98
35) Carbon Tetrachloride	7.02	117	1478780	10.657	ppbv	97
36) Benzene	6.89	78	2006988	10.092	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1171477	10.447	ppbv	99
38) Trichloroethene	7.84	130	749427	9.923	ppbv	96
39) 1,2-Dichloropropane	7.62	63	774749	9.833	ppbv	99
40) 1,4-Dioxane	7.83	88	266256	8.948	ppbv	# 93
41) Tetrahydrofuran	6.04	42	861814	10.742	ppbv	99
42) Bromodichloromethane	7.80	83	1589708	10.402	ppbv	98
43) Methyl Methacrylate	8.02	69	901637	10.762	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031720\
 Data File : VL034914.D
 Acq On : 17 Mar 2020 12:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:39 PM

Quant Time: Mar 18 07:12:06 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	3418869	10.174	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1020793	10.371	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1196289	10.228	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	821466	10.159	ppbv	96
48) Dibromochloromethane	10.32	129	1329989	10.157	ppbv	99
49) Bromoform	13.07	173	1176043	10.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2224493	10.423	ppbv	100
51) 2-Hexanone	10.15	43	1830290	10.552	ppbv #	100
52) Tetrachloroethene	11.24	164	712693	9.059	ppbv	98
53) Toluene	9.82	91	2333004	10.159	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1247197	10.247	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	996501	9.192	ppbv	99
57) Chlorobenzene	12.17	112	1726215	9.141	ppbv	96
58) Ethyl Benzene	12.74	91	3095516	9.471	ppbv	98
59) m/p-Xylene	13.02	91	5069670m	18.515	ppbv	
60) o-Xylene	13.72	91	2498665	9.346	ppbv	99
61) Styrene	13.56	104	1849643	9.858	ppbv	98
62) Isopropylbenzene	14.69	105	3732209	9.232	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1784333	9.831	ppbv	100
64) n-propylbenzene	15.59	120	978755	9.302	ppbv	92
65) tert-Butylbenzene	16.77	119	3245447m	9.184	ppbv	
66) Benzyl Chloride	17.02	91	1270391	8.621	ppbv	96
67) sec-Butylbenzene	17.33	105	4626021	9.440	ppbv	99
69) p-Isopropyltoluene	17.69	119	3887524	9.461	ppbv	99
70) n-Butylbenzene	18.59	91	4123926	9.837	ppbv	99
71) 2-Chlorotoluene	15.48	91	2906045	9.492	ppbv	98
72) 4-Ethyltoluene	15.87	105	3027853	9.590	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2842877	9.618	ppbv	96
74) 1,2,4-Trimethylbenzene	16.80	105	2930132	9.623	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	1688138	9.194	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1697086	9.262	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1655212	9.300	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1407083	9.466	ppbv	99
79) Naphthalene	22.25	128	2854989	12.022	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1264007	20.368	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1645528	10.907	ppbv	100

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

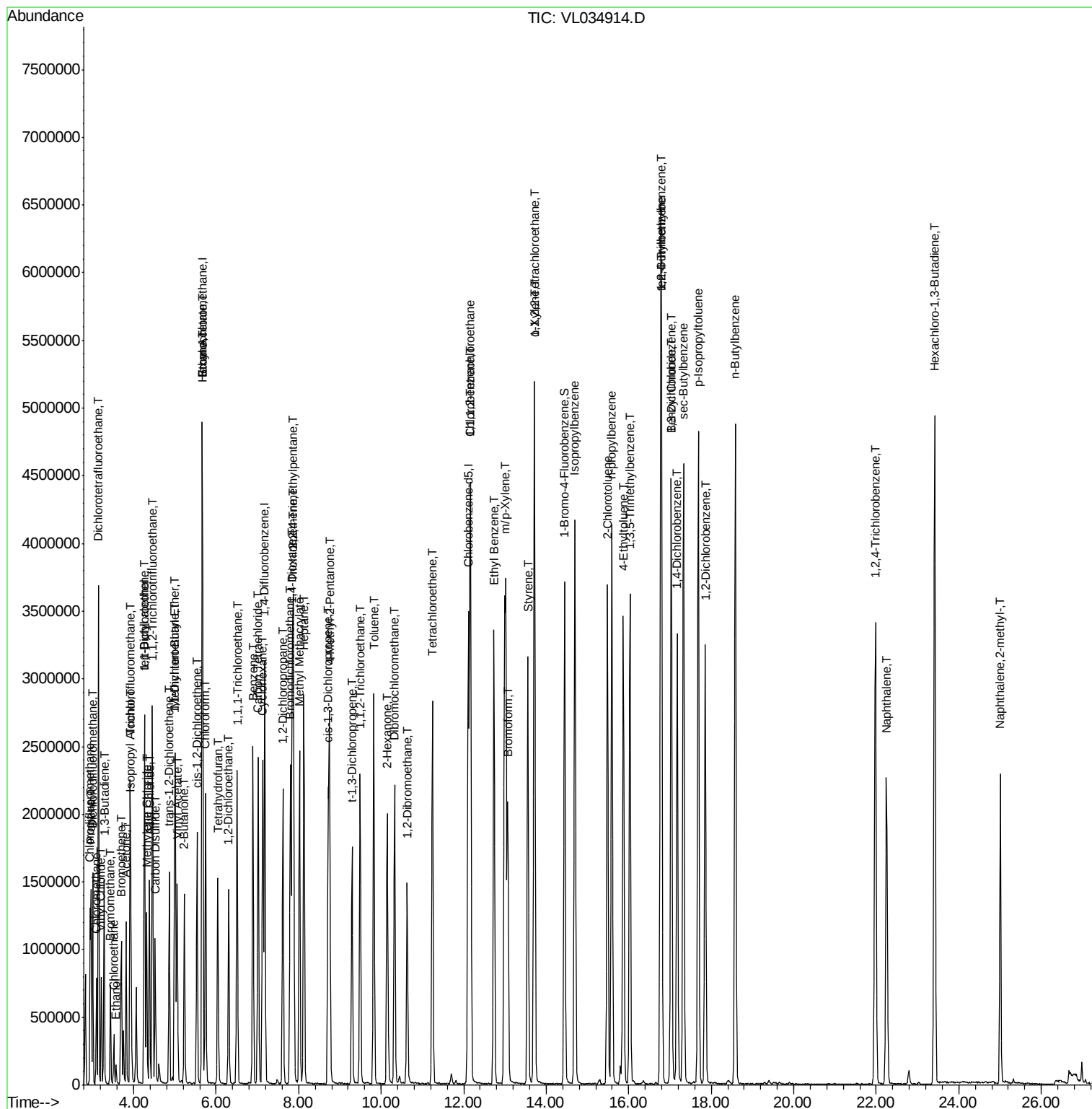
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031720\
Data File : VL034914.D
Acq On : 17 Mar 2020 12:49
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

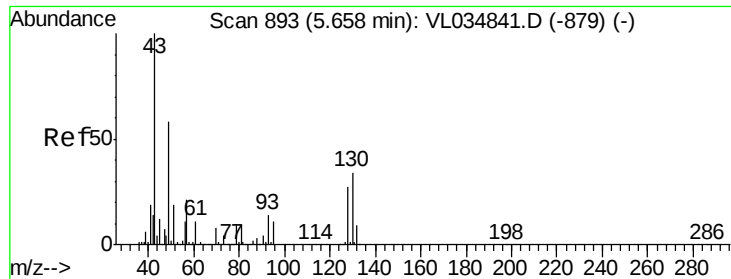
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:39 PM

Quant Time: Mar 18 07:12:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1010492

Ion Ratio Lower Upper

49 100

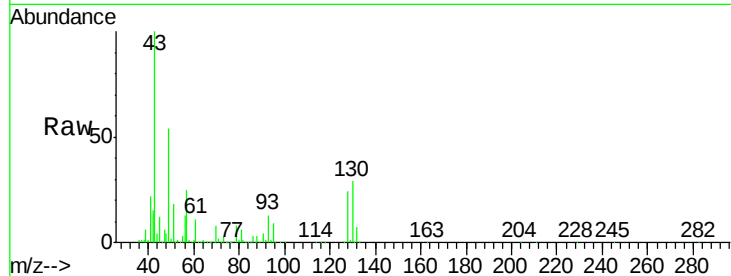
128 44.3 23.4 70.3

130 56.8 30.0 90.0

Manual Integrations
APPROVED

MMDadoda

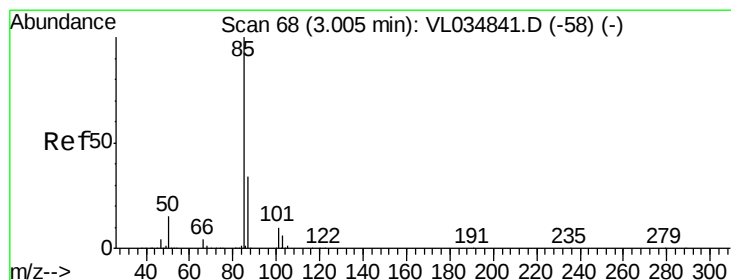
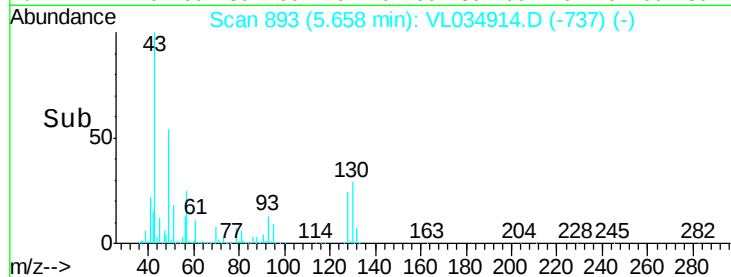
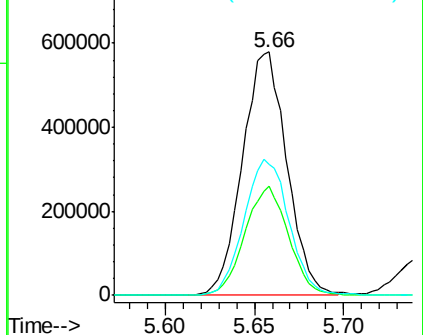
3/18/2020 5:35:39 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.438 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034914.D

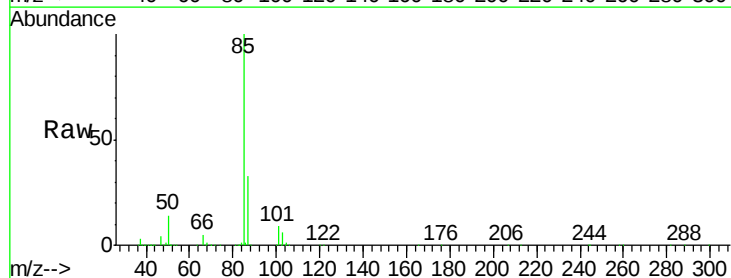
Acq: 17 Mar 2020 12:49

Tgt Ion: 85 Resp: 1029171

Ion Ratio Lower Upper

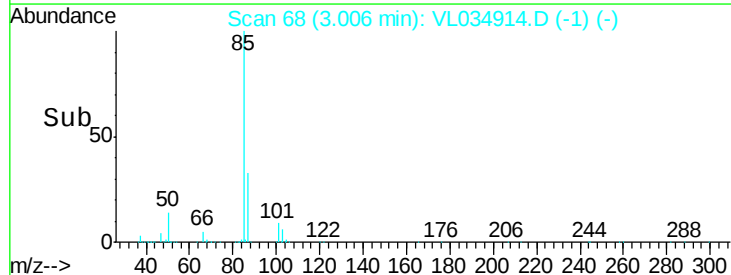
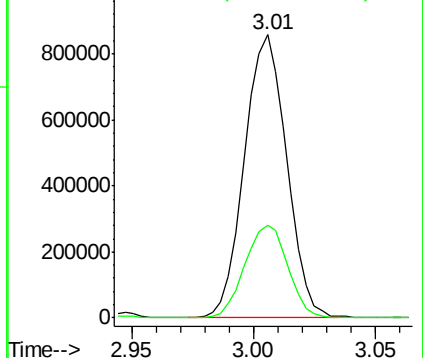
85 100

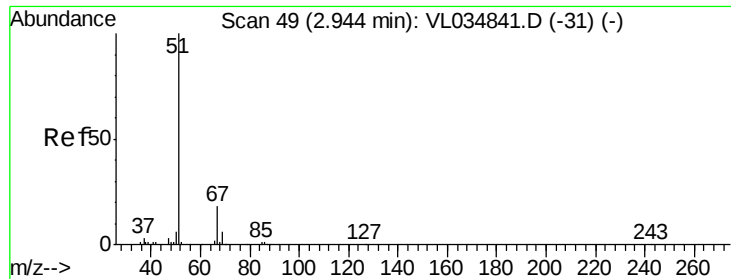
87 32.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.838 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1110482

Ion Ratio Lower Upper

51 100

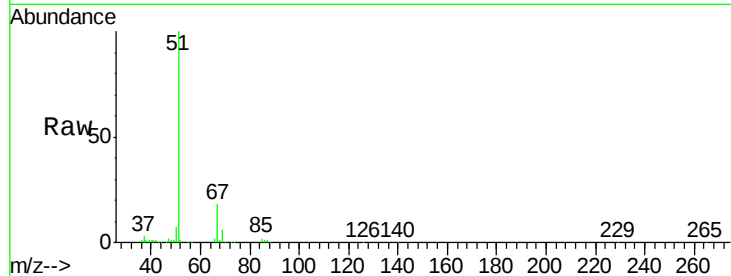
67 18.1 14.3 21.5

Manual Integrations

APPROVED

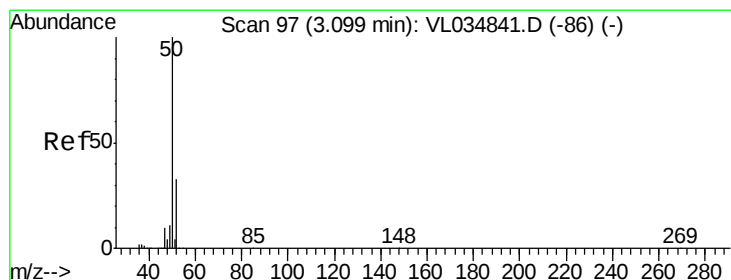
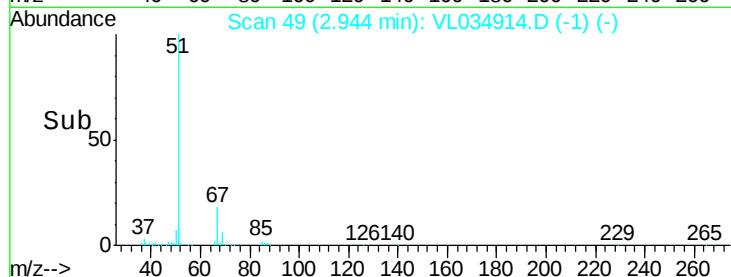
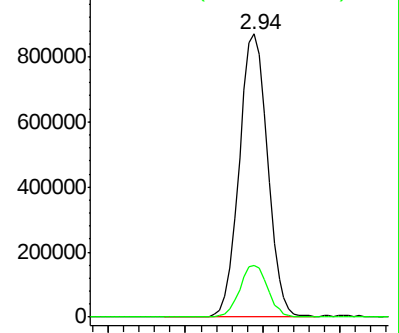
MMDadoda

3/18/2020 5:35:39 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.091 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034914.D

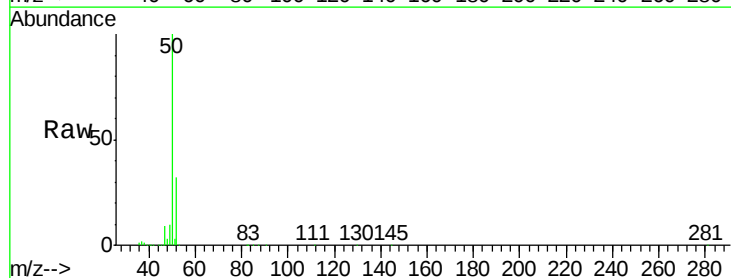
Acq: 17 Mar 2020 12:49

Tgt Ion: 50 Resp: 643775

Ion Ratio Lower Upper

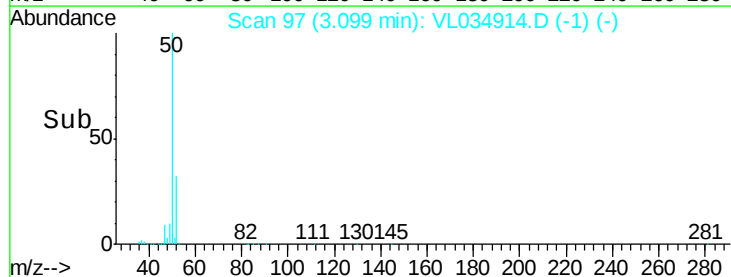
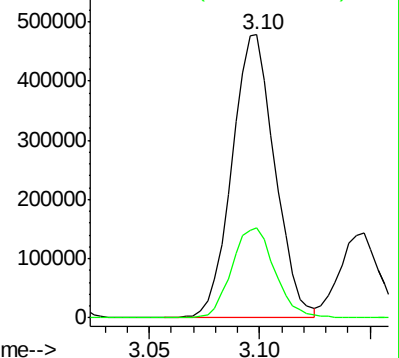
50 100

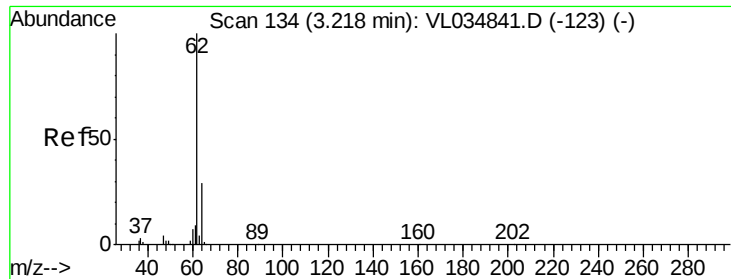
52 32.0 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.006 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 613701

Ion Ratio Lower Upper

62 100

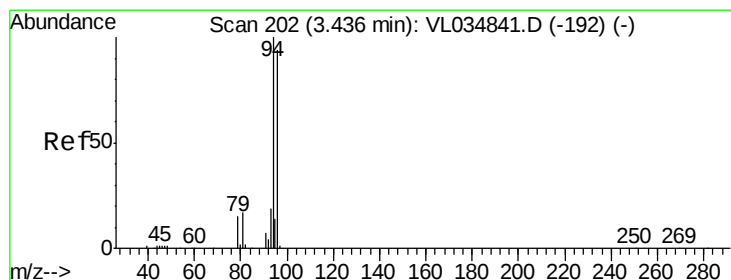
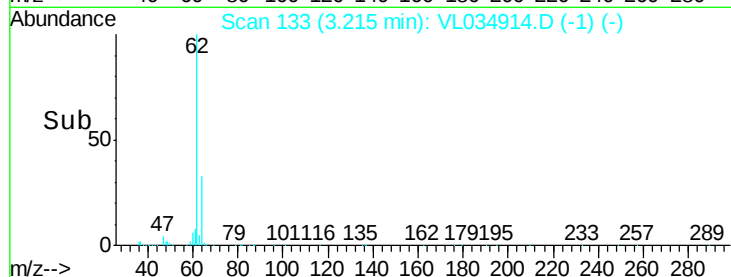
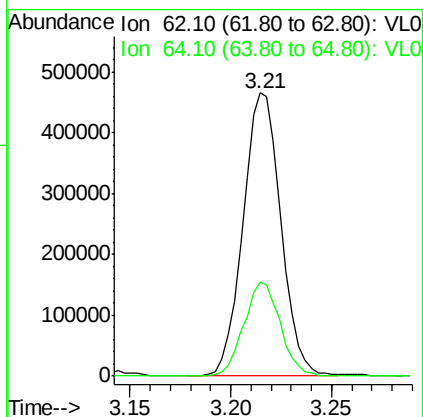
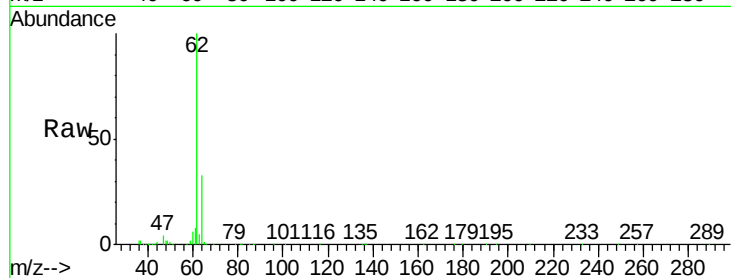
64 33.0 23.0 34.4

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:35:39 PM



#6

Bromomethane

Concen: 9.888 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL034914.D

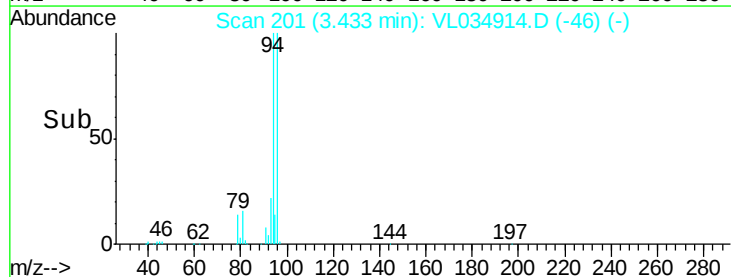
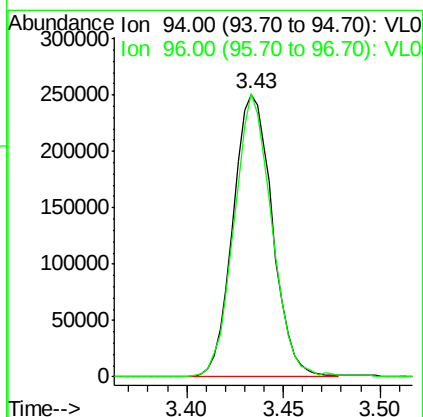
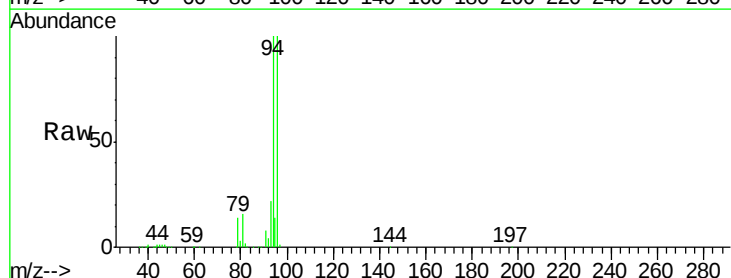
Acq: 17 Mar 2020 12:49

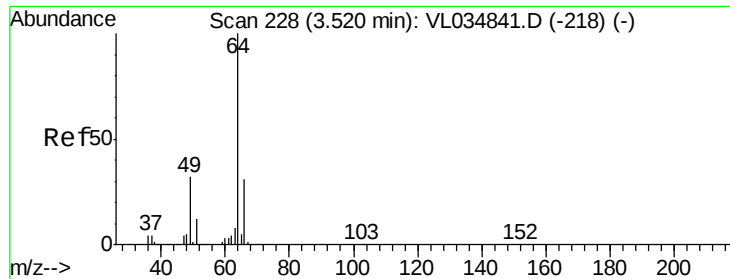
Tgt Ion: 94 Resp: 353047

Ion Ratio Lower Upper

94 100

96 100.2 75.5 113.3





#7

Chloroethane

Concen: 10.224 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 226457

Ion Ratio Lower Upper

64 100

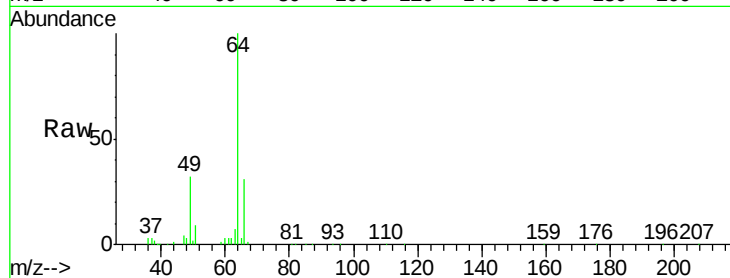
66 31.1 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:35:39 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

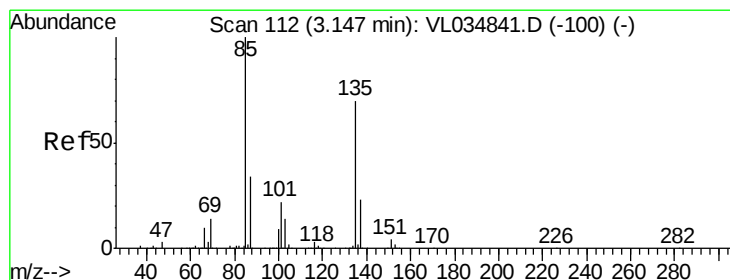
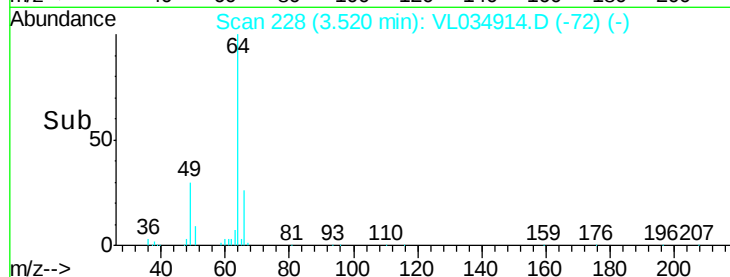
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.415 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034914.D

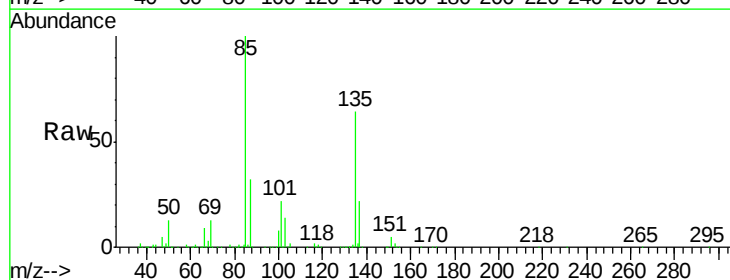
Acq: 17 Mar 2020 12:49

Tgt Ion: 85 Resp: 1353012

Ion Ratio Lower Upper

85 100

135 65.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

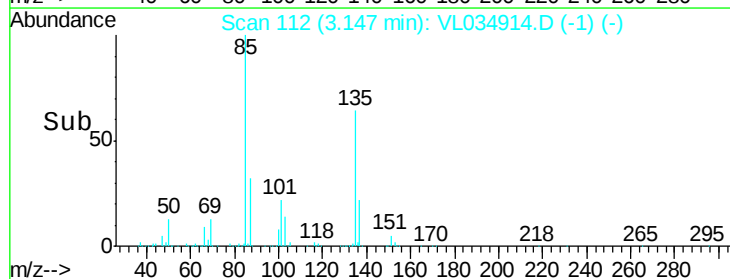
600000

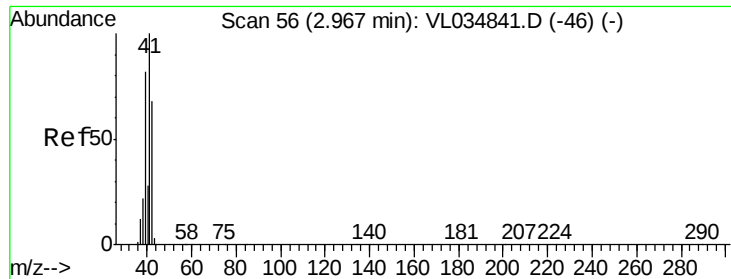
400000

200000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 9.650 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 520095

Ion Ratio Lower Upper

41 100

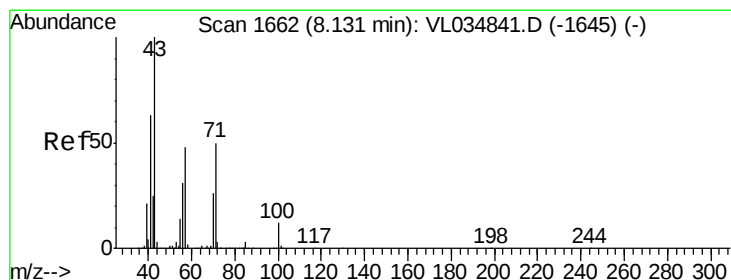
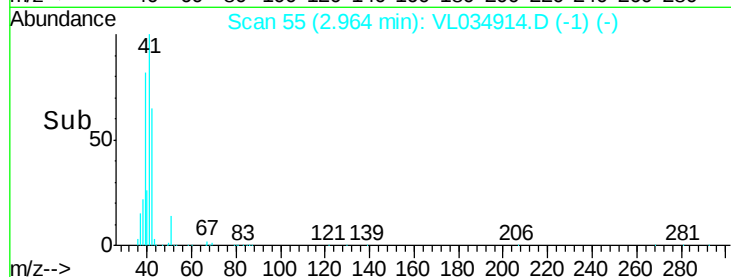
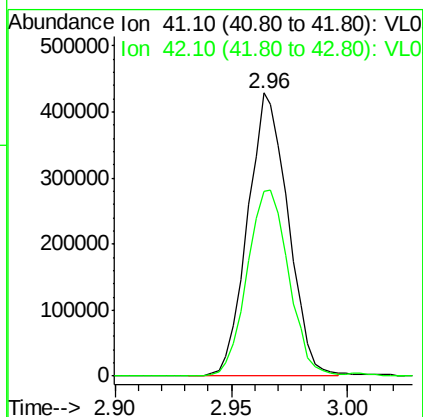
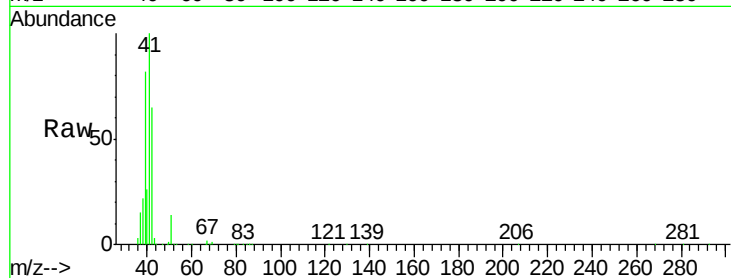
42 68.7 55.2 82.8

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:35:39 PM



#10

Heptane

Concen: 10.202 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034914.D

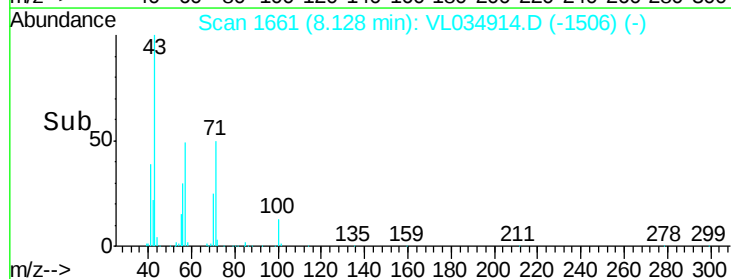
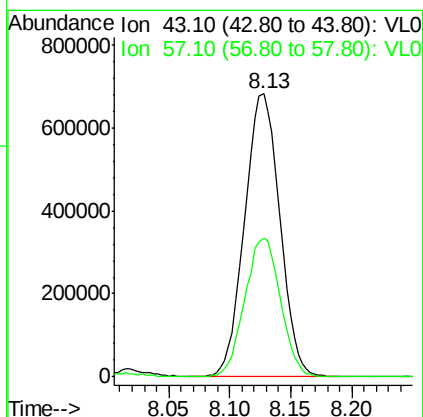
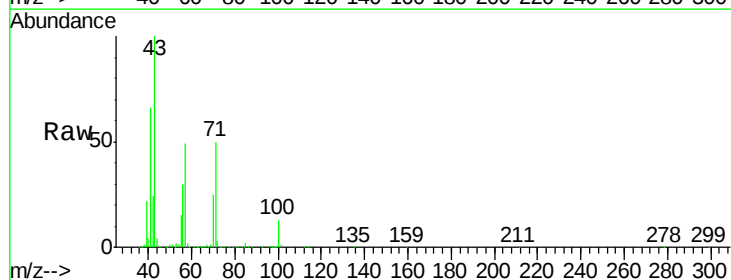
Acq: 17 Mar 2020 12:49

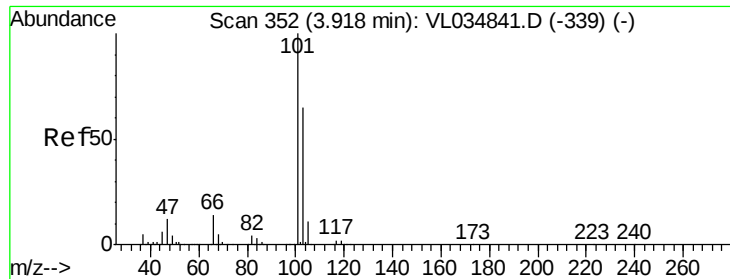
Tgt Ion: 43 Resp: 1353224

Ion Ratio Lower Upper

43 100

57 50.0 39.7 59.5





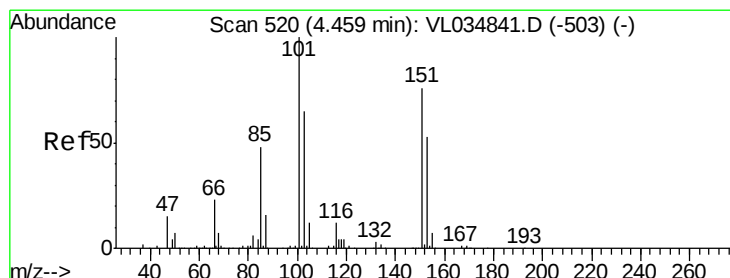
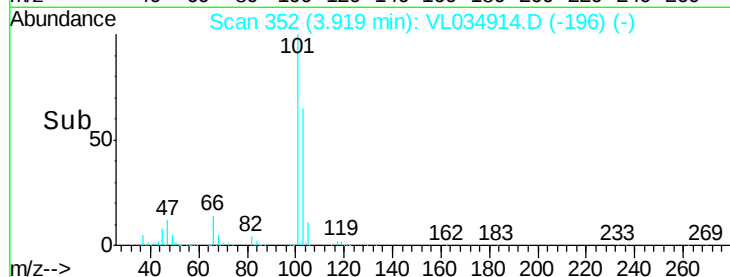
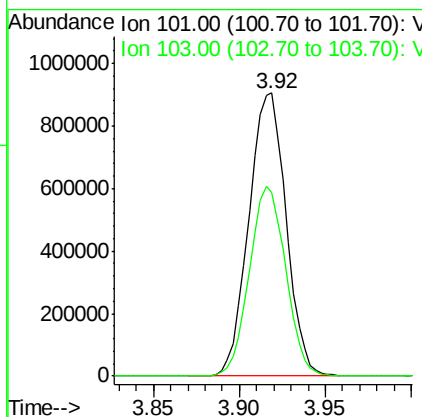
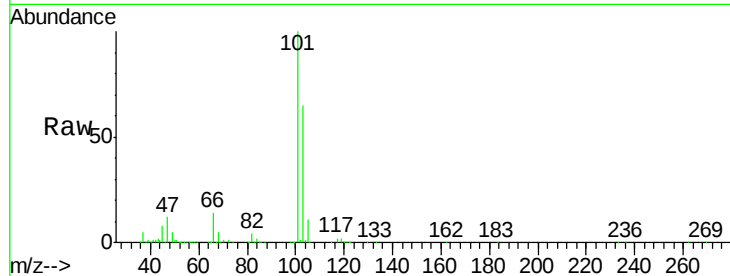
#11
 Trichlorofluoromethane
 Concen: 9.252 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1362036
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.8

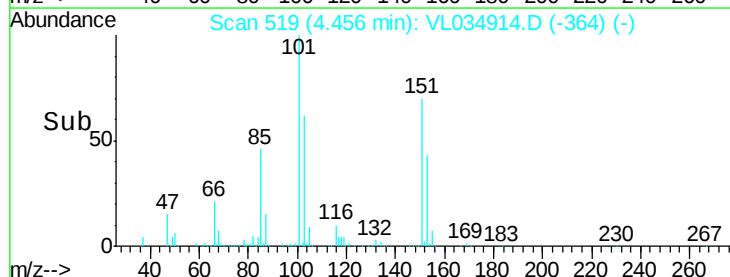
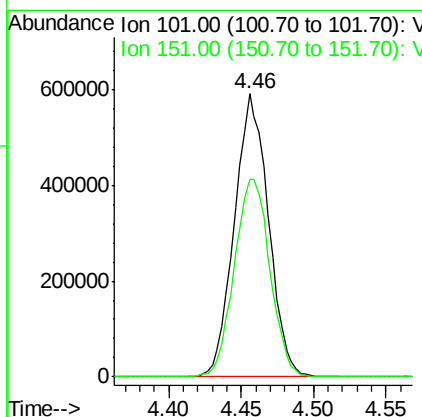
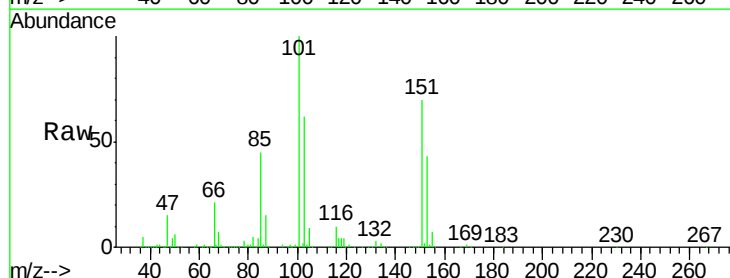
Manual Integrations
 APPROVED

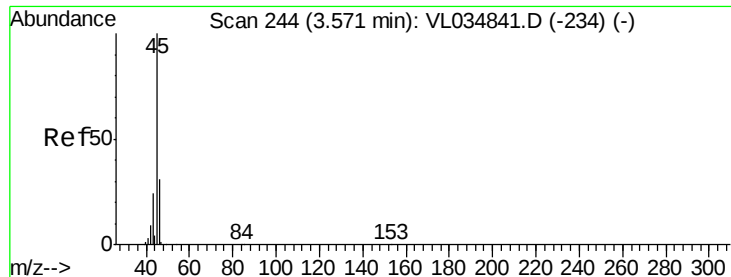
MMDadoda
 3/18/2020 5:35:39 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.367 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion:101 Resp: 965112
 Ion Ratio Lower Upper
 101 100
 151 73.0 60.8 91.2





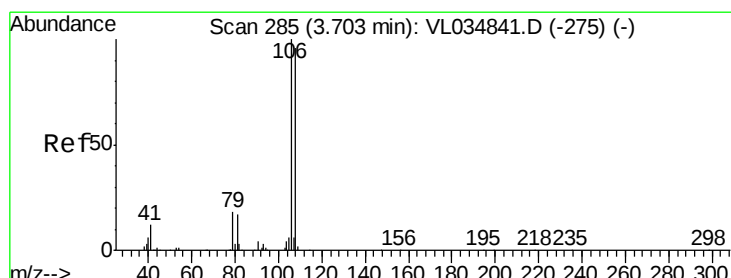
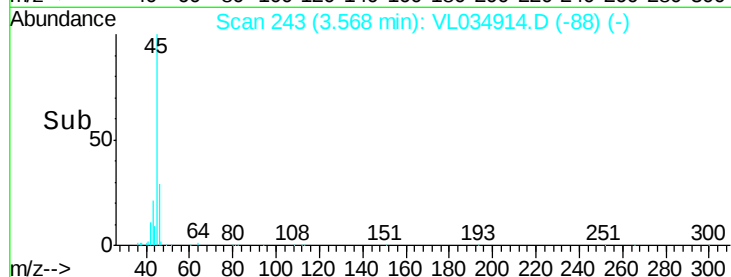
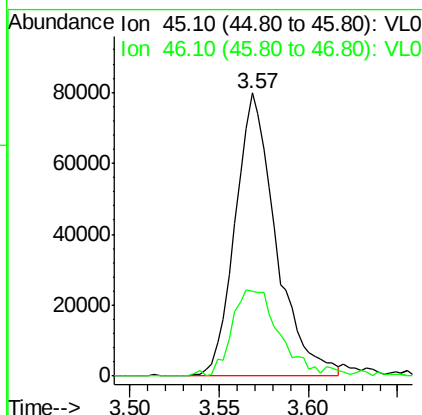
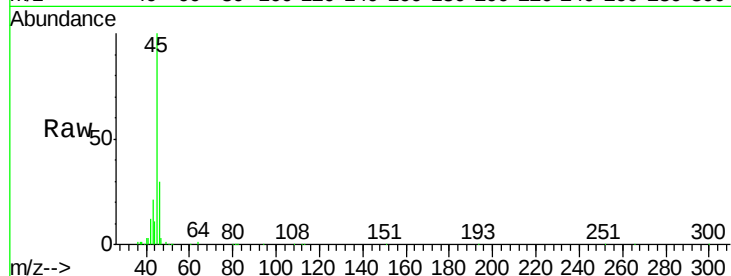
#13
Ethanol
Concen: 7.802 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 127839
Ion Ratio Lower Upper
45 100
46 37.2 16.0 64.0

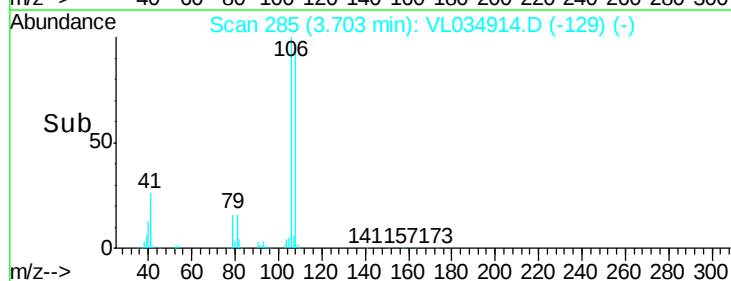
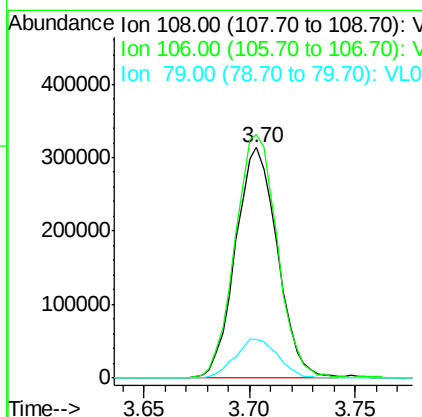
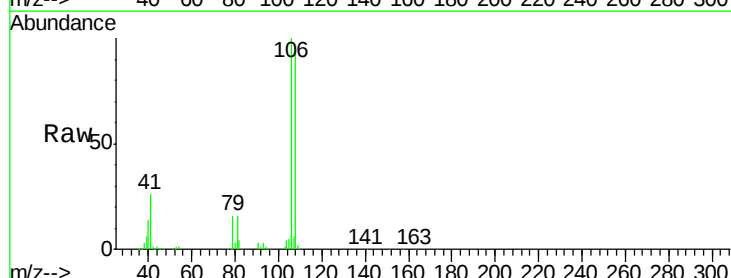
Manual Integrations
APPROVED

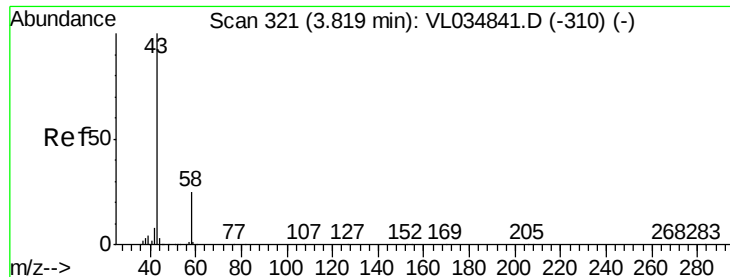
MMDadoda
3/18/2020 5:35:39 PM



#14
Bromoethene
Concen: 9.719 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 108 Resp: 432449
Ion Ratio Lower Upper
108 100
106 107.3 85.1 127.7
79 17.7 14.7 22.1





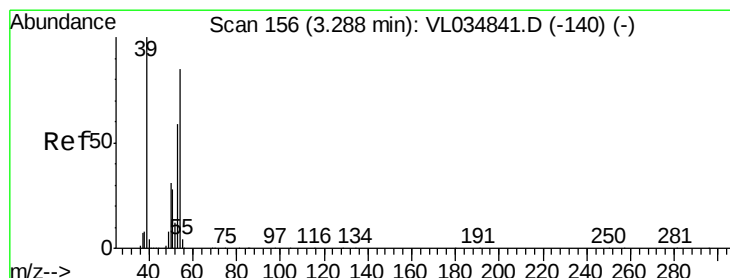
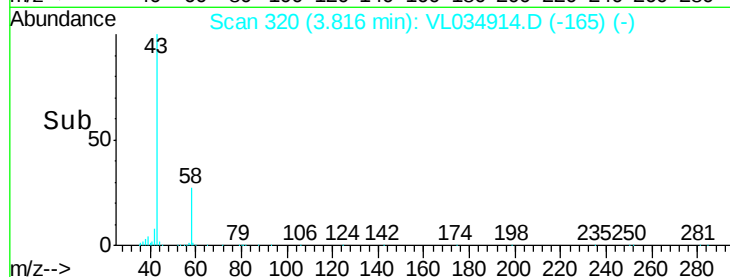
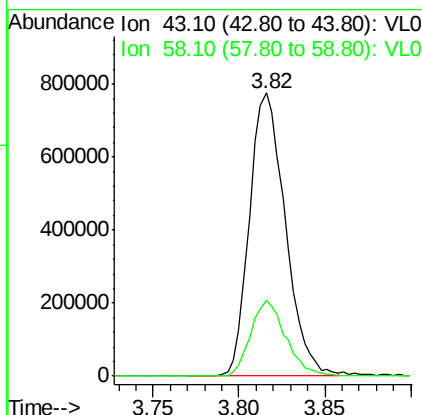
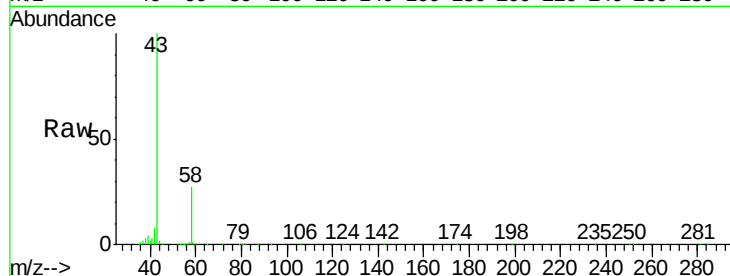
#15
Acetone
Concen: 8.582 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1124010
Ion Ratio Lower Upper
43 100
58 26.4 21.0 31.6

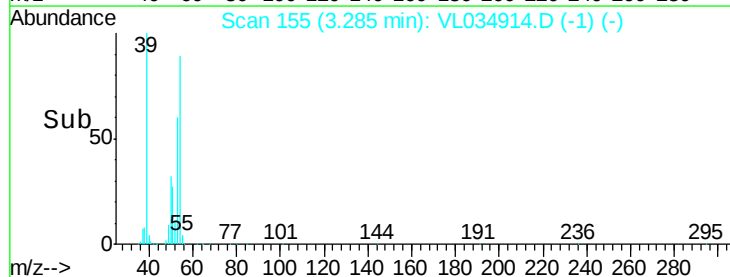
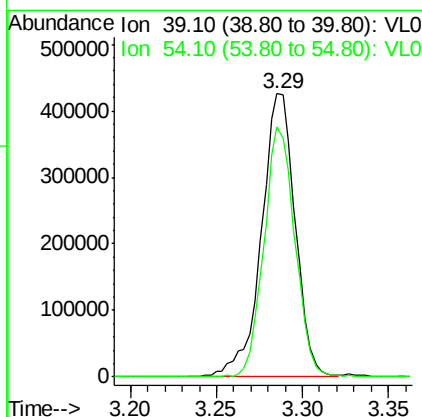
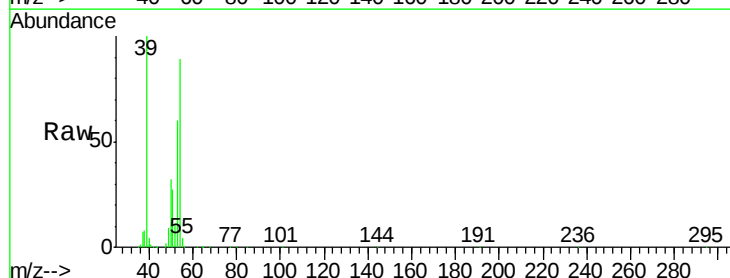
Manual Integrations
APPROVED

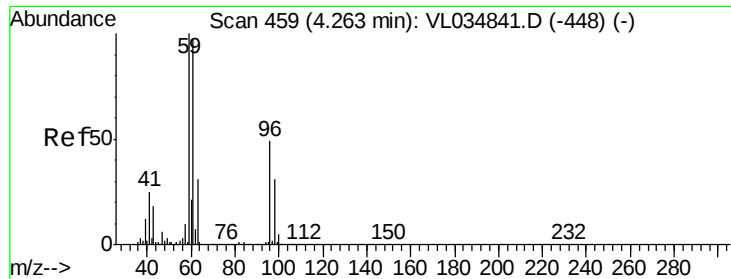
MMDadoda
3/18/2020 5:35:39 PM



#16
1,3-Butadiene
Concen: 9.805 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 39 Resp: 580726
Ion Ratio Lower Upper
39 100
54 81.3 65.0 97.6





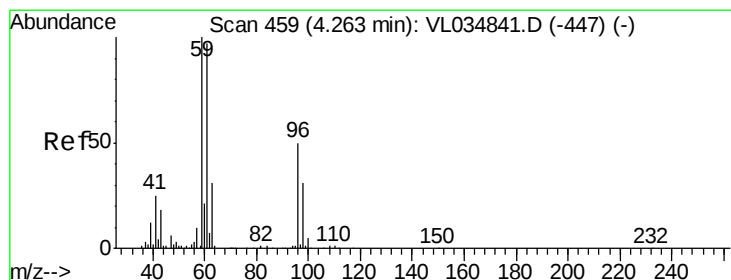
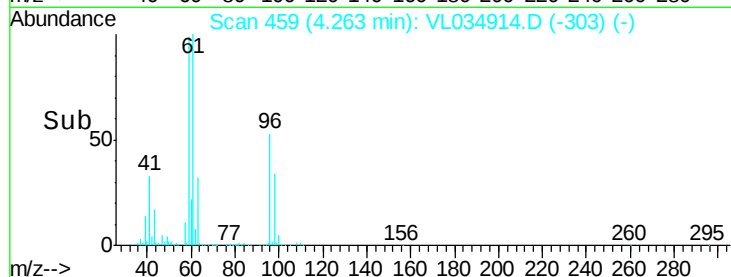
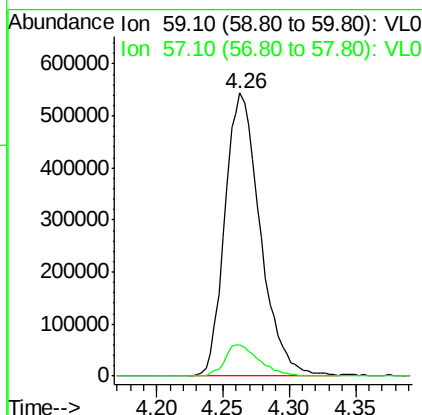
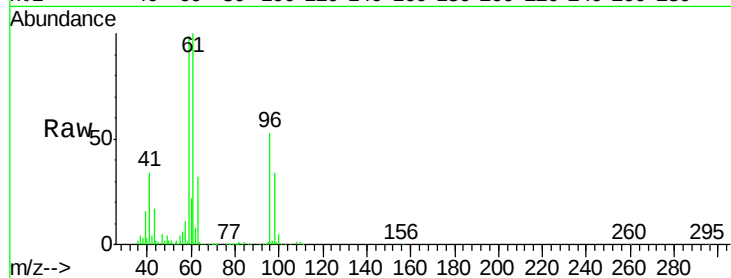
#17
 tert-Butyl alcohol
 Concen: 8.000 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 59 Resp: 1009452
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

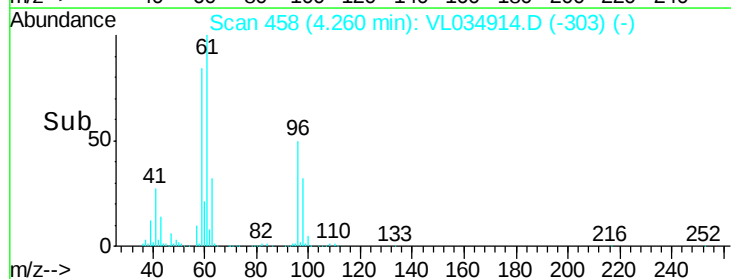
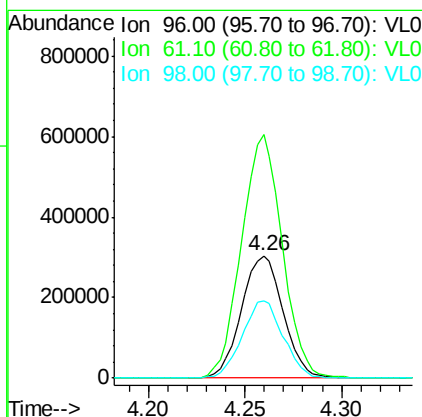
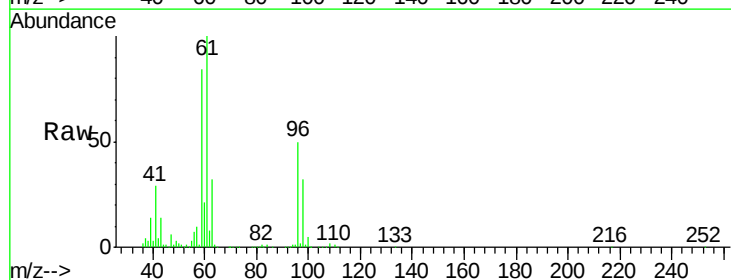
Manual Integrations
 APPROVED

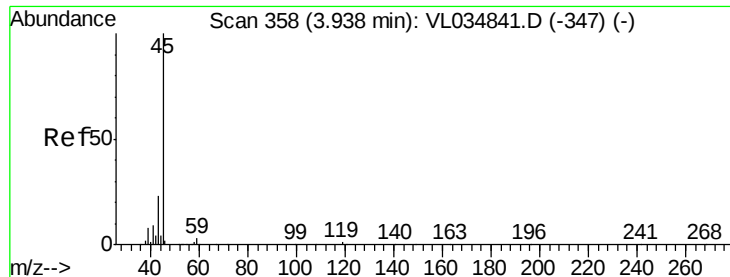
MMDadoda
 3/18/2020 5:35:39 PM



#18
 1,1-Dichloroethene
 Concen: 9.988 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion: 96 Resp: 455709
 Ion Ratio Lower Upper
 96 100
 61 198.7 157.3 235.9
 98 63.5 50.2 75.4





#19

Isopropyl Alcohol

Concen: 8.650 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 715404

Ion Ratio Lower Upper

45 100

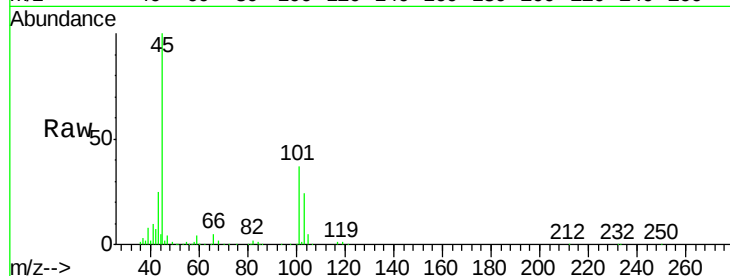
58 2.2 30.5 45.7#

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:35:39 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

400000

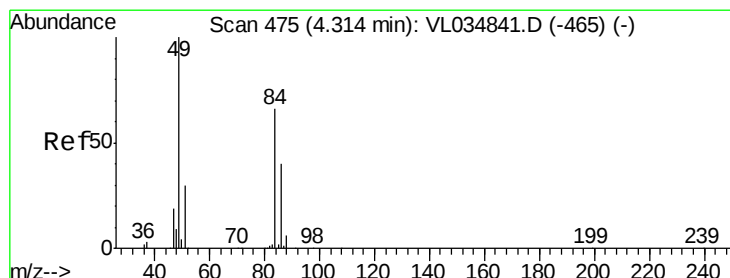
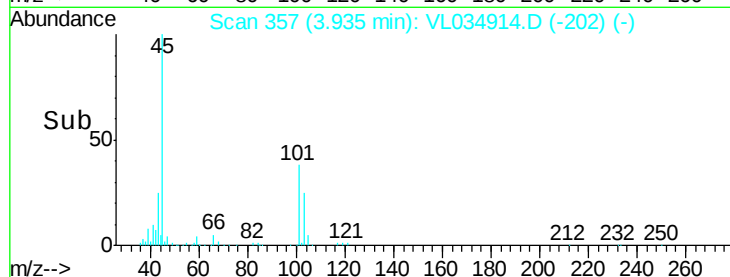
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.557 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Tgt Ion: 84 Resp: 395744

Ion Ratio Lower Upper

84 100

49 151.0 121.5 182.3

51 48.8 36.6 55.0

86 64.1 48.2 72.2

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

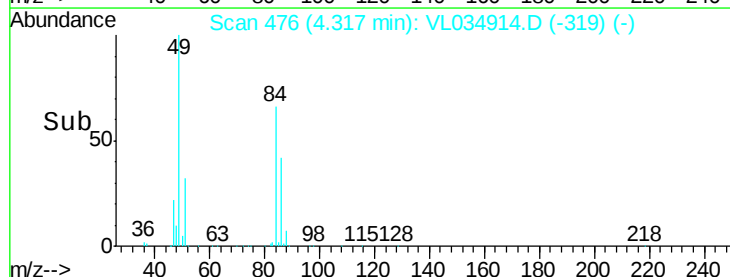
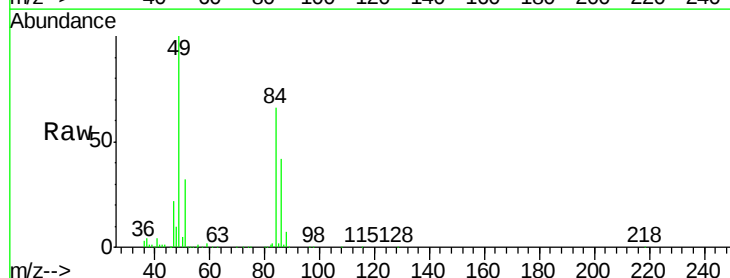
600000

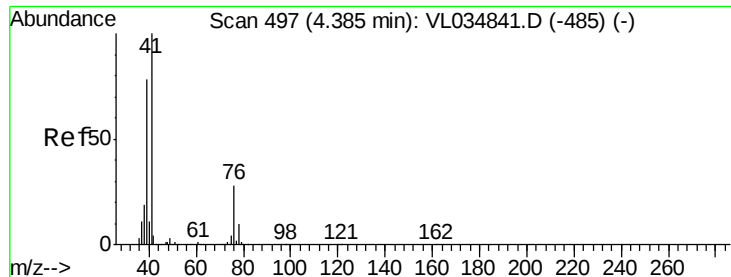
400000

200000

0

Time-->





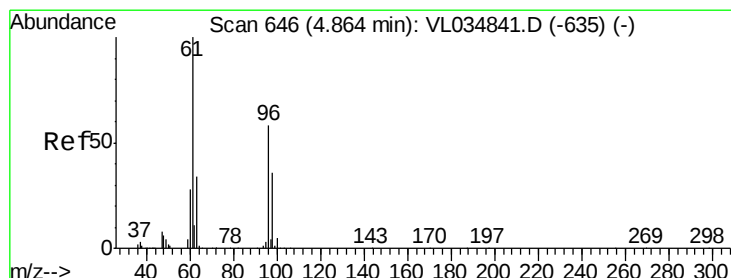
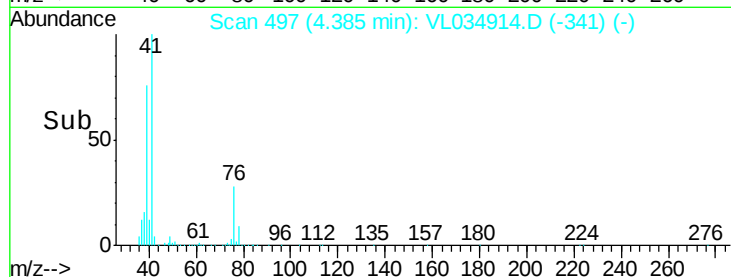
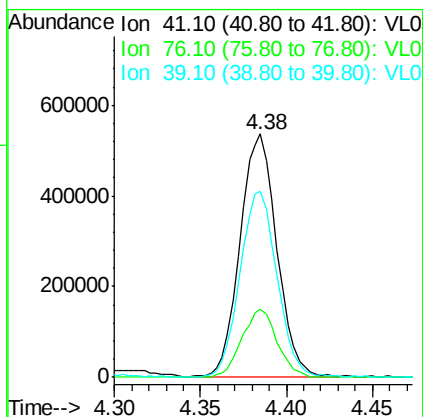
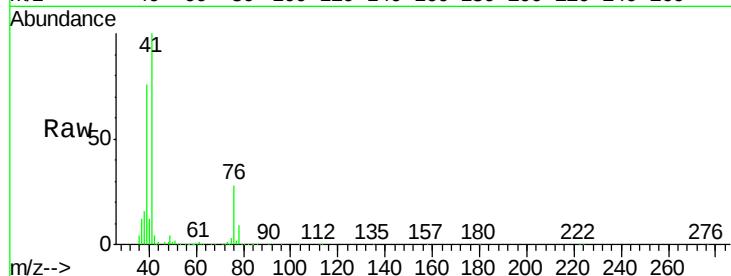
#21
Allvl Chloride
Concen: 9.378 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.3	22.2	33.2
39	77.8	62.6	93.8

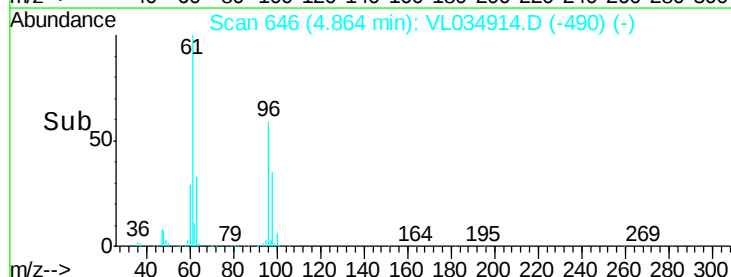
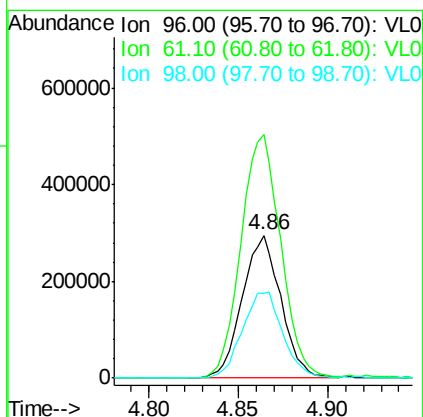
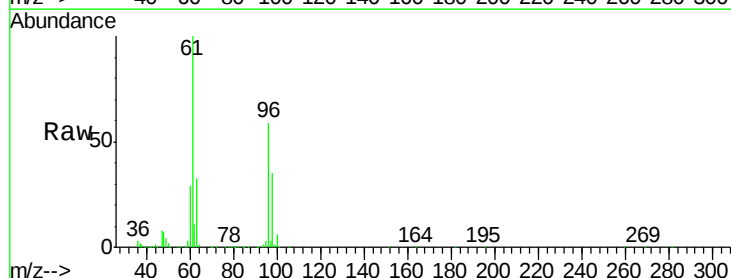
Manual Integrations
APPROVED

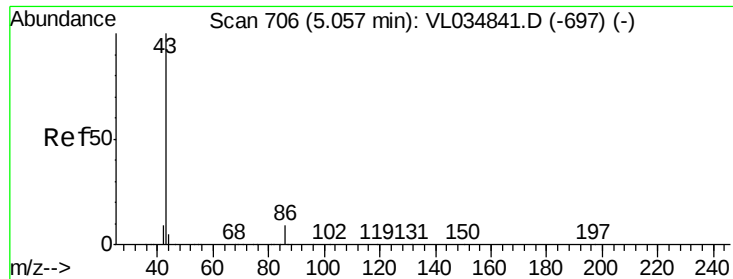
MMDadoda
3/18/2020 5:35:39 PM



#22
trans-1,2-Dichloroethene
Concen: 9.647 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	139.0	208.6
98	58.9	50.3	75.5





#23

Vinyl Acetate

Concen: 9.683 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Tot Ion: 43 Resp: 1873345

Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 9.0 7.8 11.8

44 5.3 4.0 6.0

Instrument :

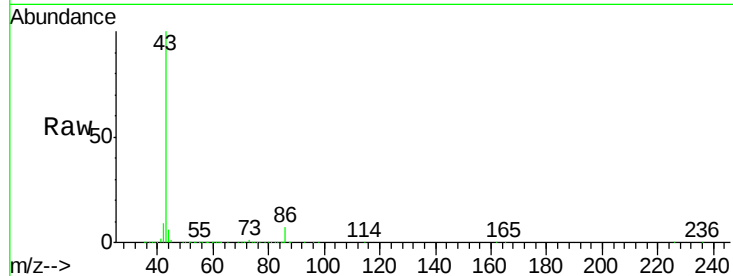
MSVOA_L

ClientSampleId :

VSTDCCC010

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:39 PM

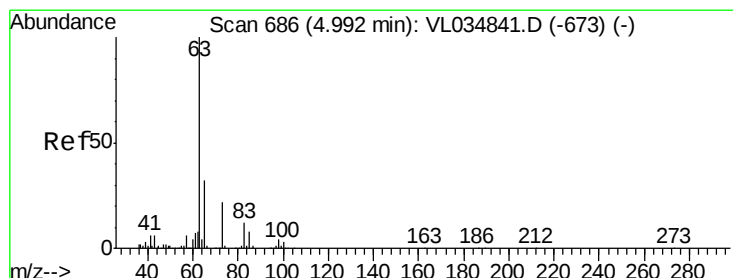
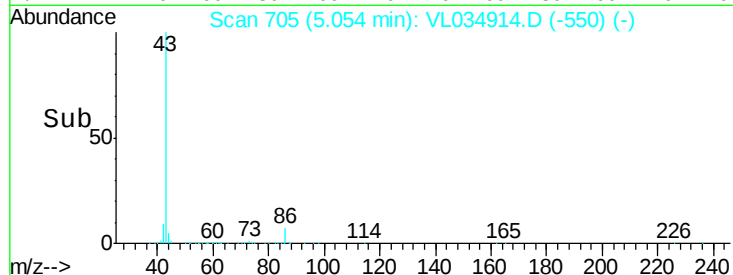
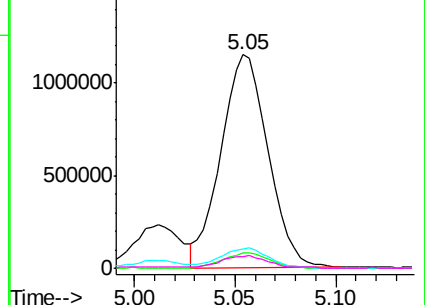


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.672 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

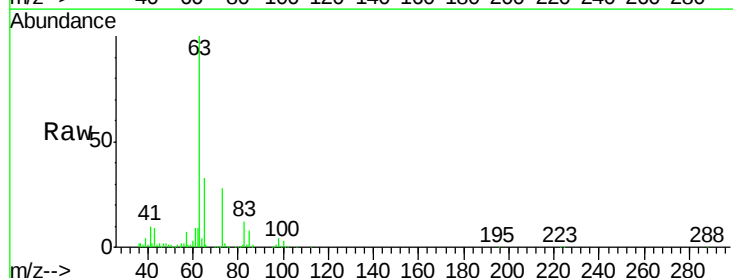
Tgt Ion: 63 Resp: 1254398

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

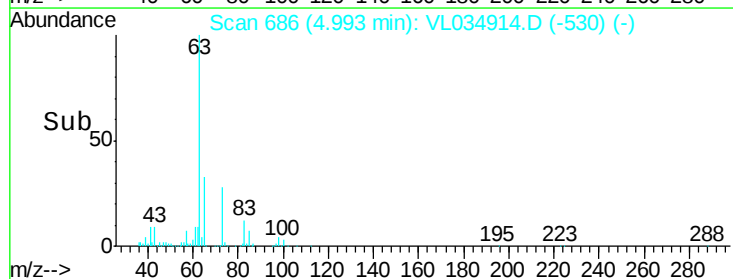
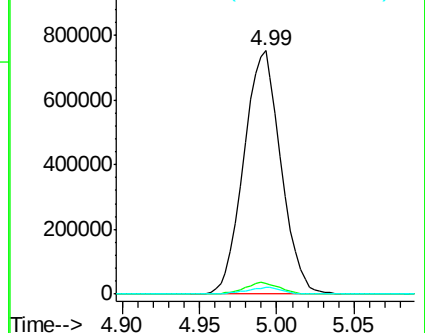
100 3.0 1.4 4.0

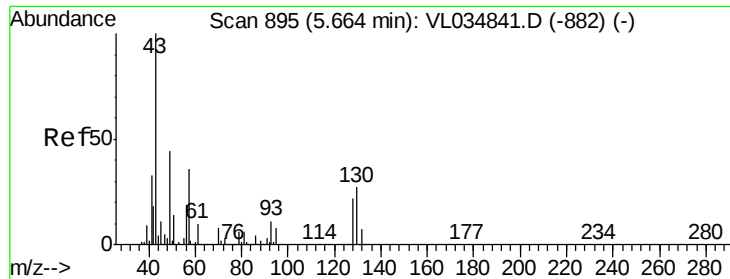


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





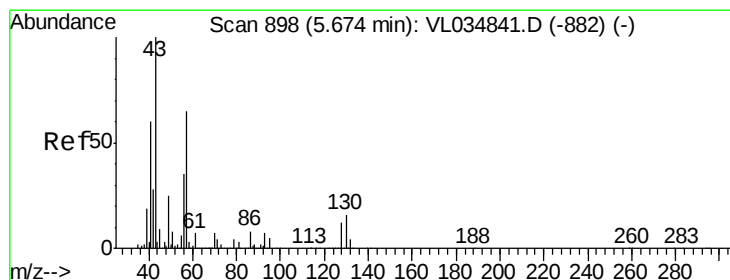
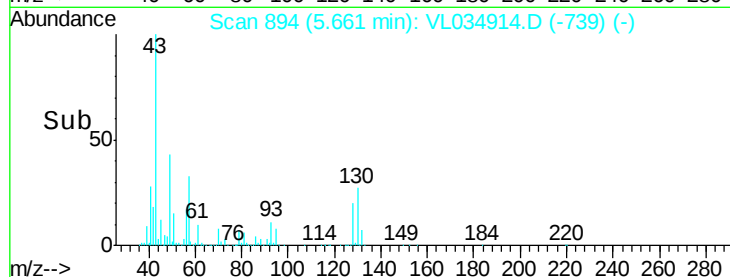
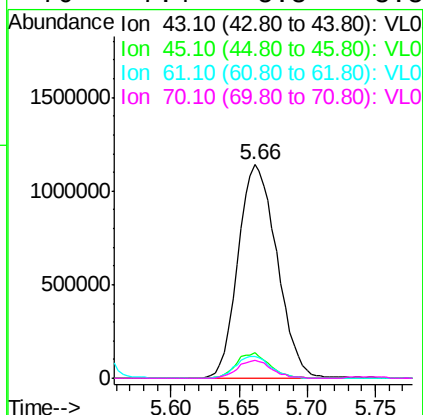
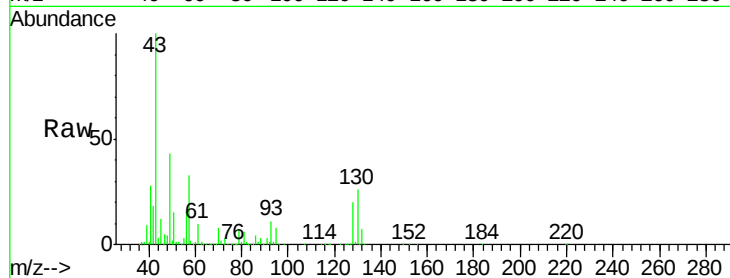
#25
Ethyl Acetate
Concen: 9.670 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	2256420
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.3	7.8	11.6
70	7.4	5.8	8.8

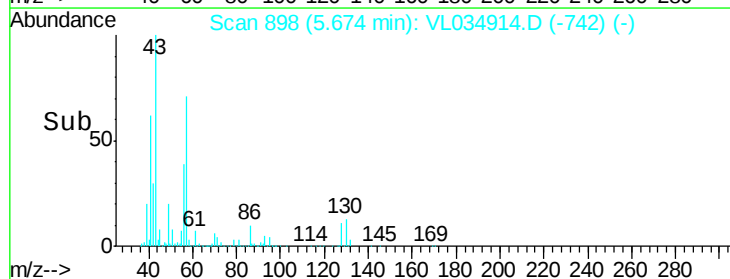
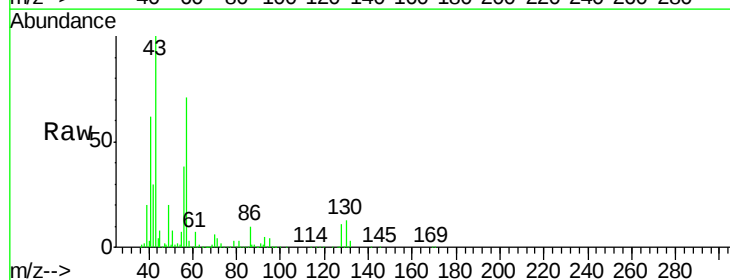
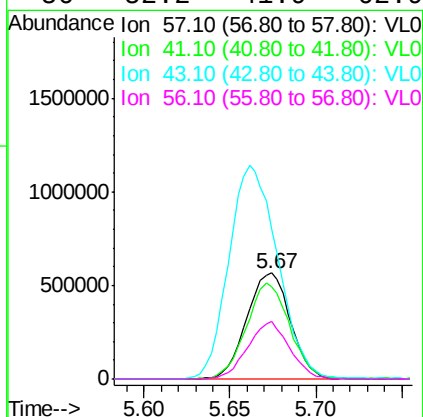
Manual Integrations
APPROVED

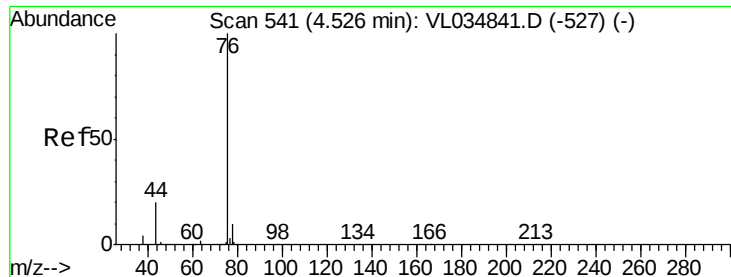
MMDadoda
3/18/2020 5:35:39 PM



#26
Hexane
Concen: 9.897 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:	57	Resp:	994421
Ion	Ratio	Lower	Upper
57	100		
41	90.4	72.6	109.0
43	228.4	183.8	275.6
56	52.2	41.9	62.9





#27

Carbon Disulfide

Concen: 9.929 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1132060

Ion Ratio Lower Upper

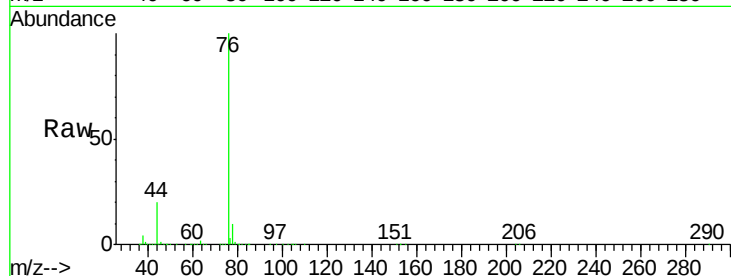
76 100

44 20.0 16.2 24.2

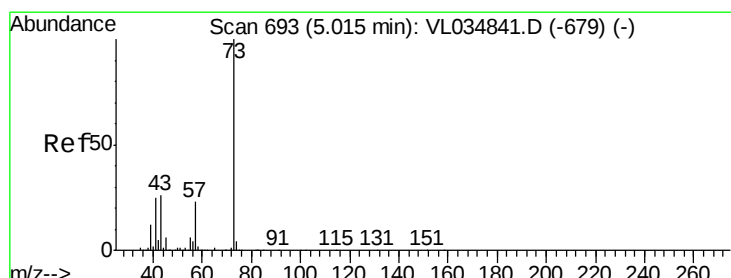
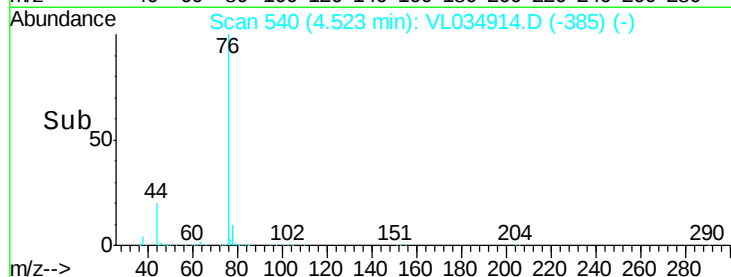
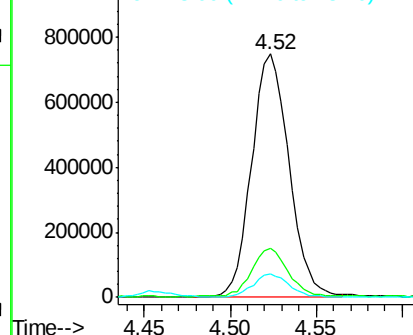
78 9.3 7.8 11.6

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:39 PM



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



#28

Methyl tert-Butyl Ether

Concen: 9.176 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034914.D

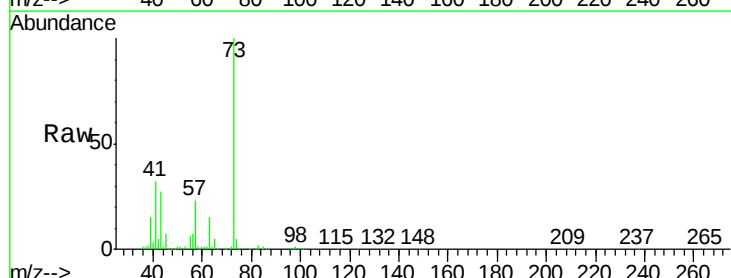
Acq: 17 Mar 2020 12:49

Tgt Ion: 73 Resp: 1534013

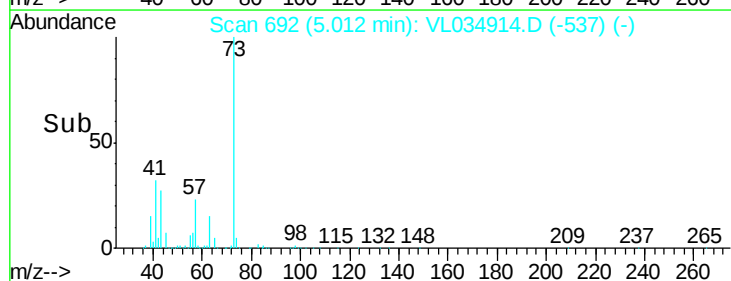
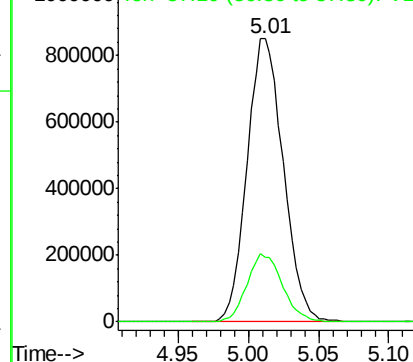
Ion Ratio Lower Upper

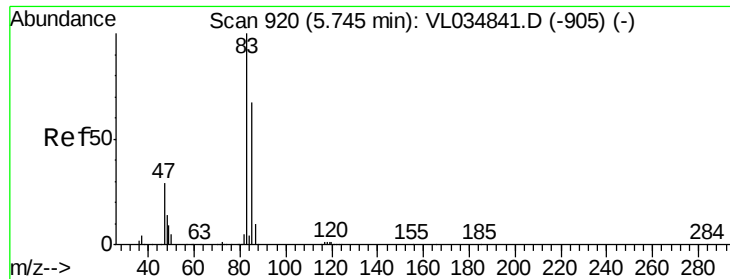
73 100

57 23.8 18.3 27.5



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





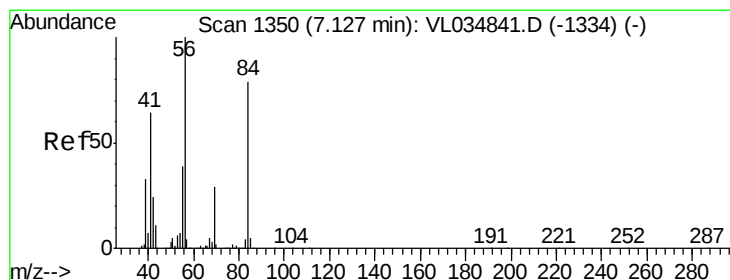
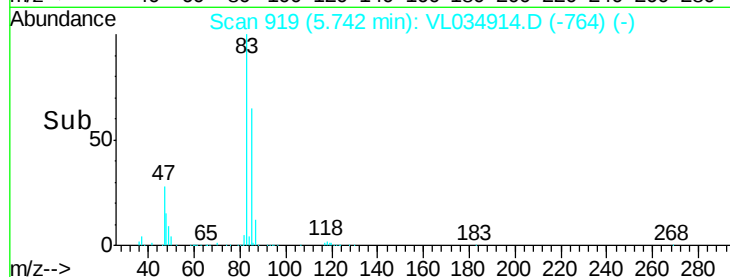
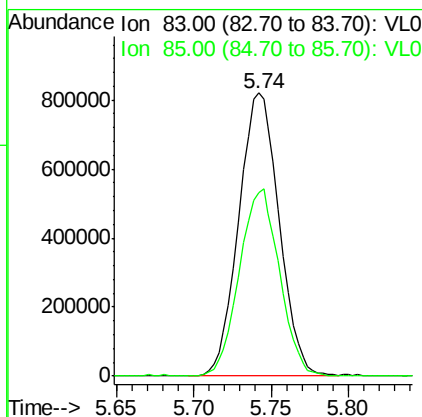
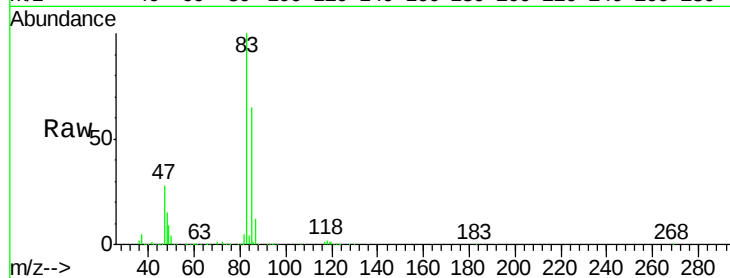
#29
Chloroform
Concen: 9.724 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1490778
Ion Ratio Lower Upper
83 100
85 64.8 53.8 80.6

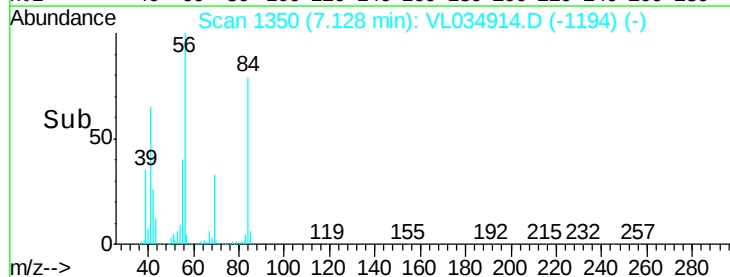
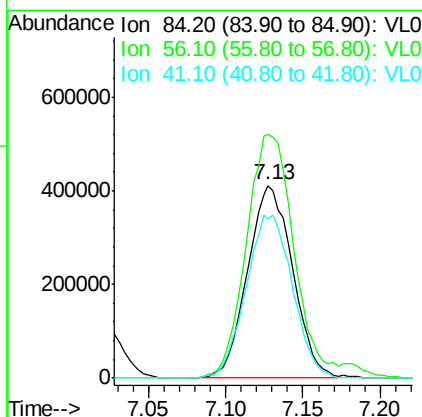
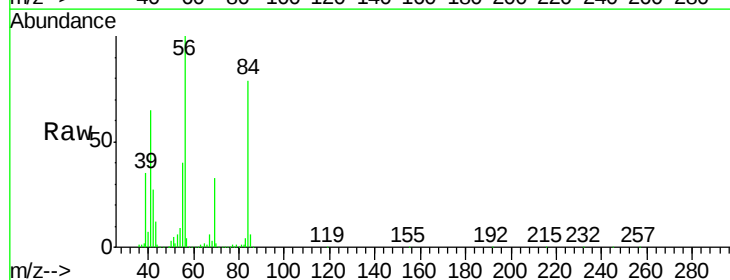
Manual Integrations
APPROVED

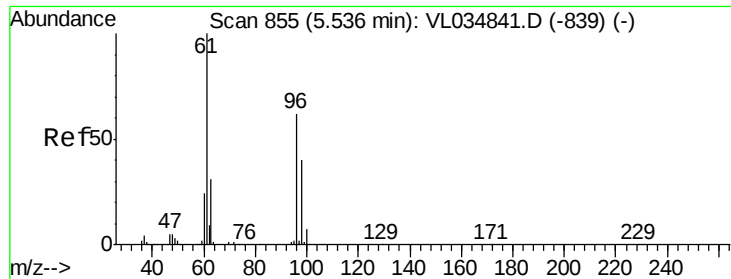
MMDadoda
3/18/2020 5:35:39 PM



#30
Cyclohexane
Concen: 9.927 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 84 Resp: 832193
Ion Ratio Lower Upper
84 100
56 138.0 110.5 165.7
41 87.5 68.2 102.4





#31

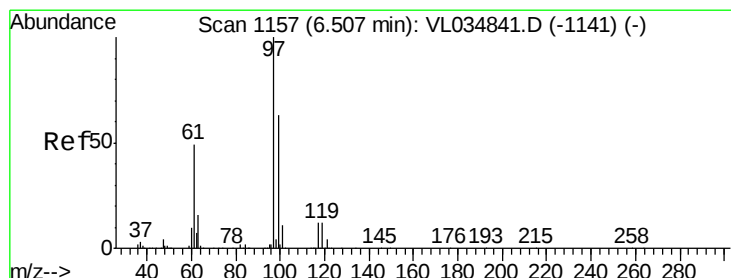
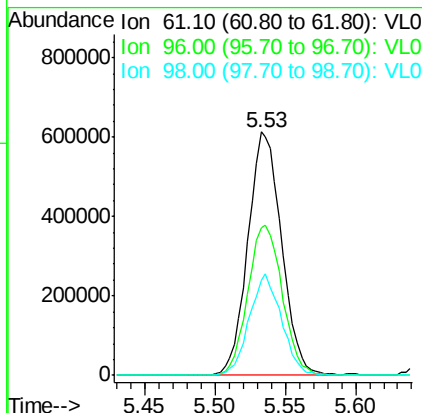
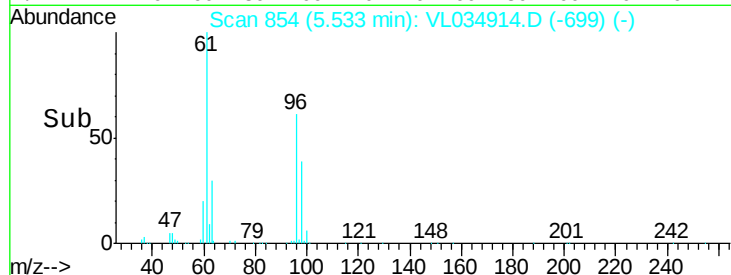
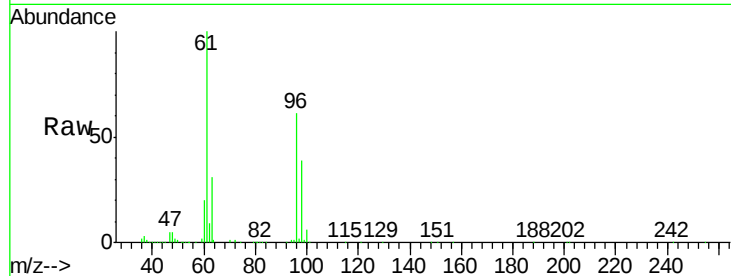
cis-1,2-Dichloroethene
Concen: 9.989 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.8	49.8	74.8
98	38.9	32.2	48.4

Manual Integrations
APPROVED

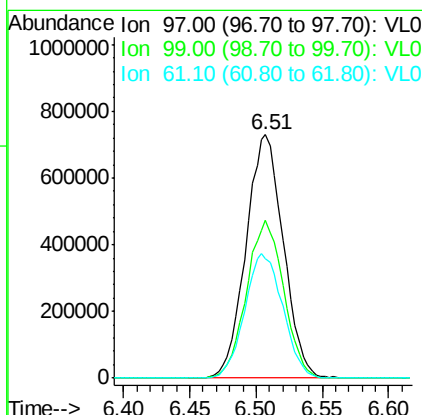
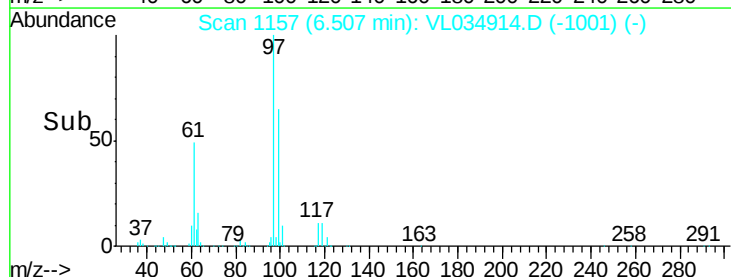
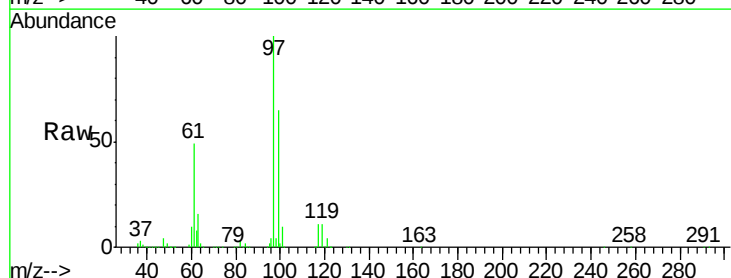
MMDadoda
3/18/2020 5:35:39 PM

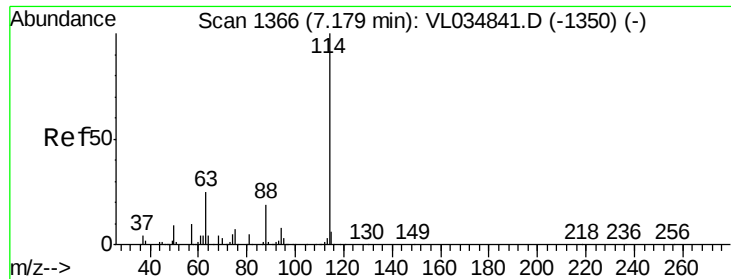


#32

1,1,1-Trichloroethane
Concen: 9.586 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	52.3	39.7	59.5





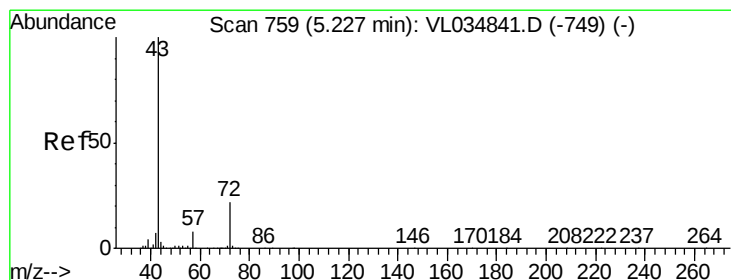
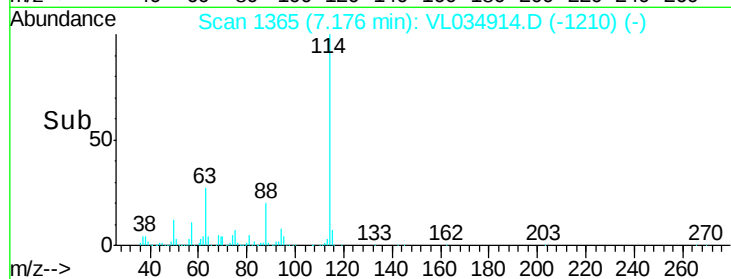
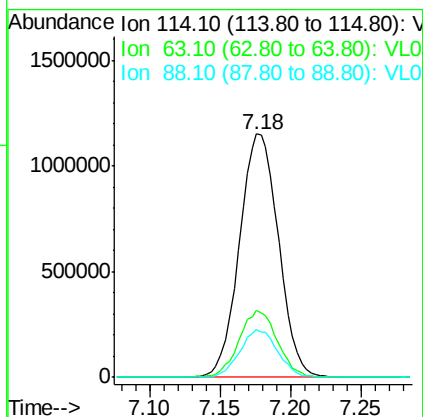
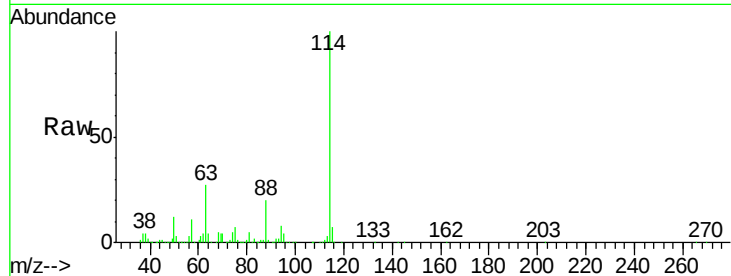
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	20.6	31.0
88	19.1	15.0	22.6

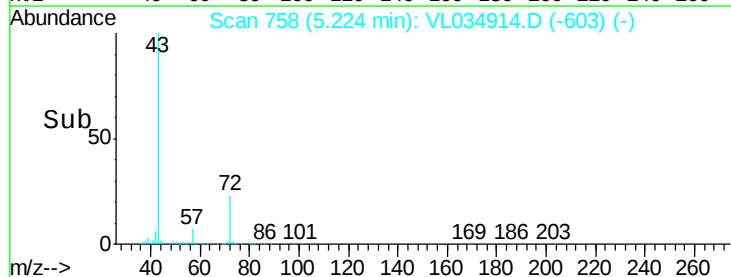
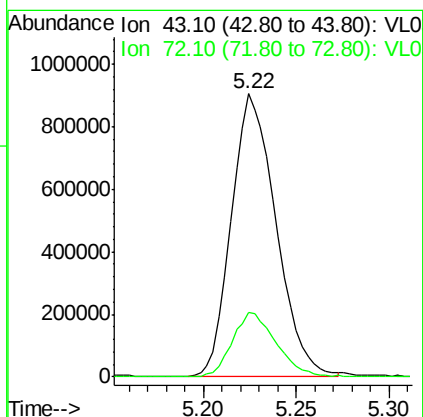
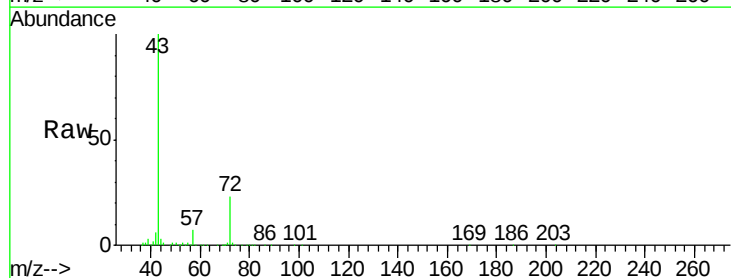
Manual Integrations
 APPROVED

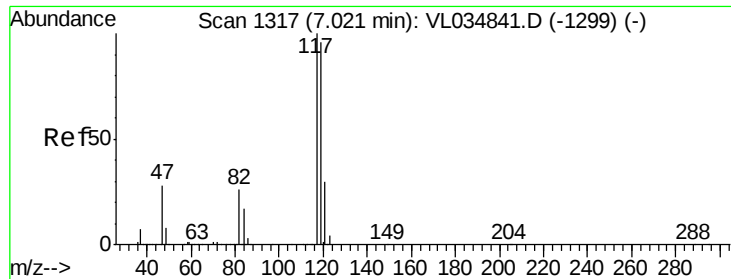
MMDadoda
 3/18/2020 5:35:39 PM



#34
 2-Butanone
 Concen: 10.129 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.6	26.4





#35

Carbon Tetrachloride

Concen: 10.657 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1478780

Ion Ratio Lower Upper

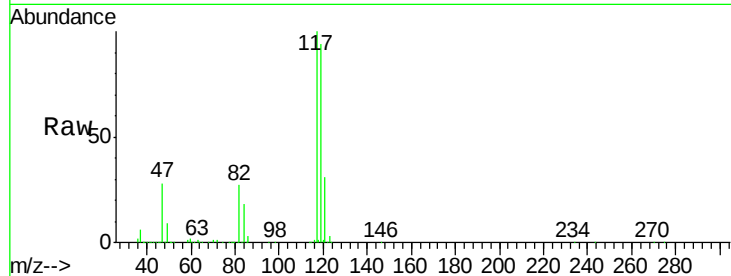
117 100

119 93.6 77.0 115.4

121 31.2 24.0 36.0

Manual Integrations
APPROVED

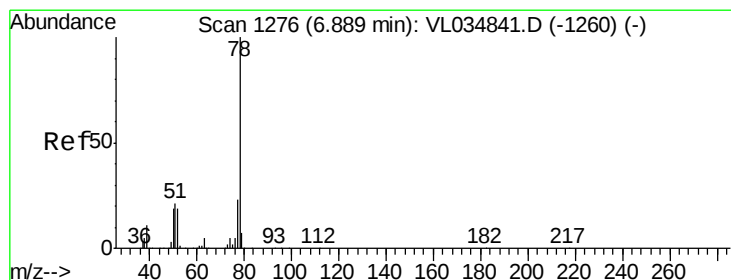
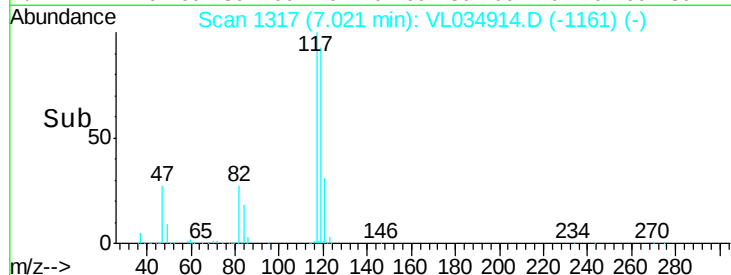
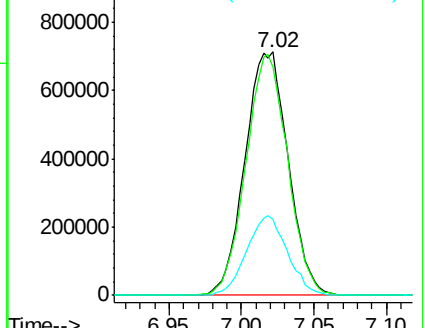
MMDadoda
3/18/2020 5:35:39 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.092 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

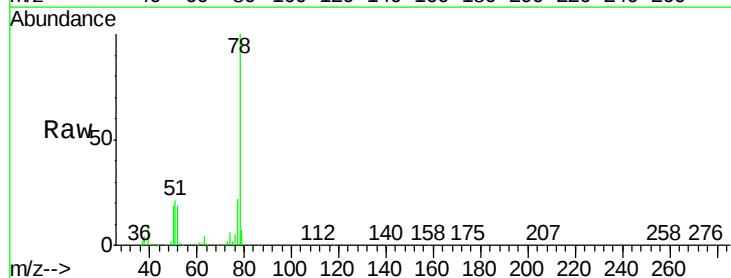
Tgt Ion: 78 Resp: 2006988

Ion Ratio Lower Upper

78 100

77 21.8 18.2 27.2

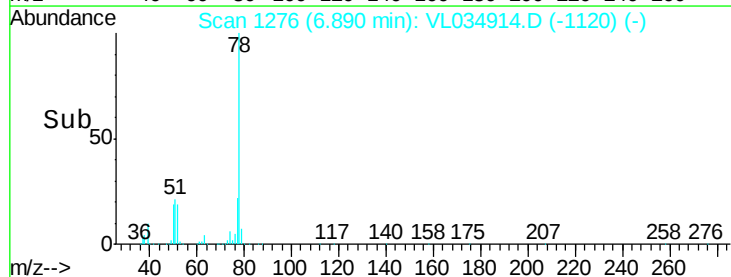
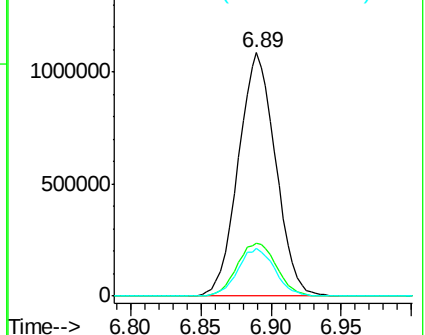
50 19.4 15.2 22.8

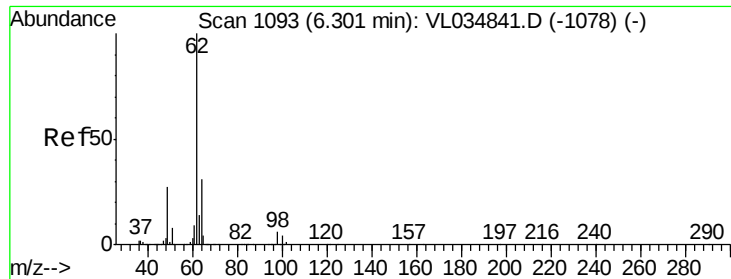


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





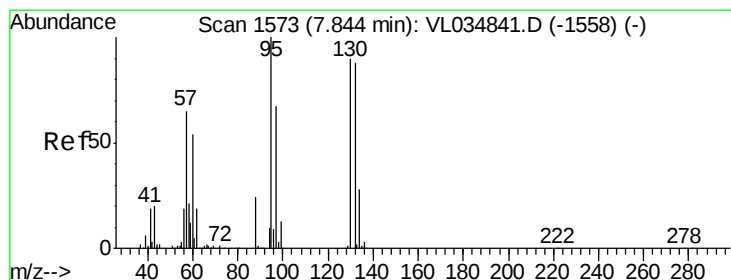
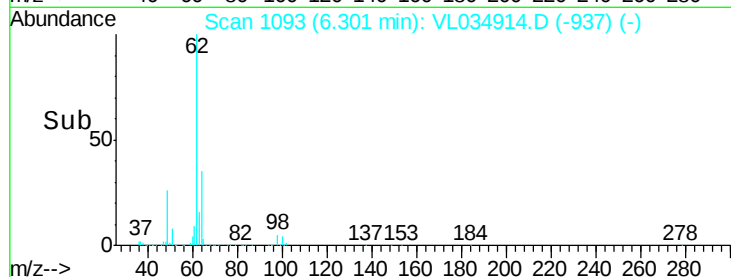
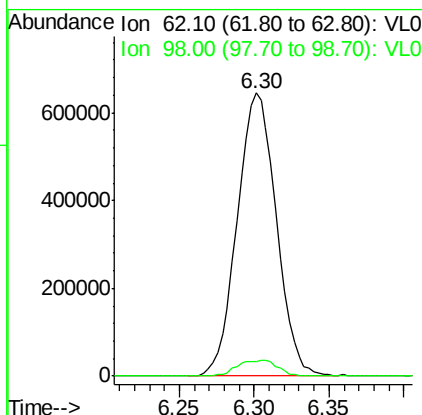
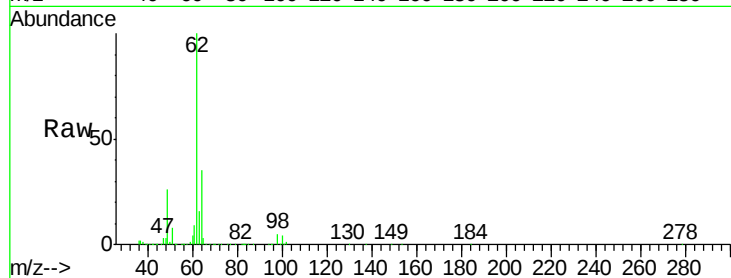
#37
 1,2-Dichloroethane
 Concen: 10.447 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.2	7.8

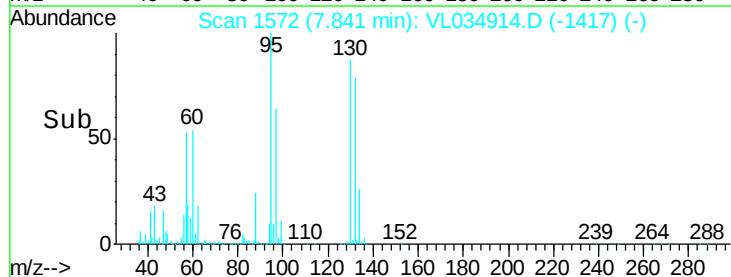
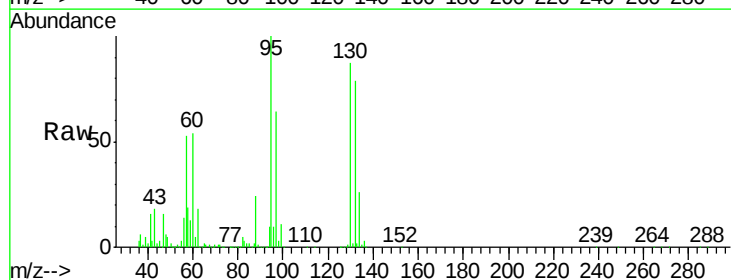
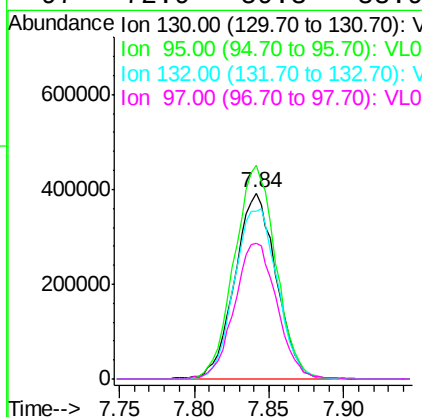
Manual Integrations
 APPROVED

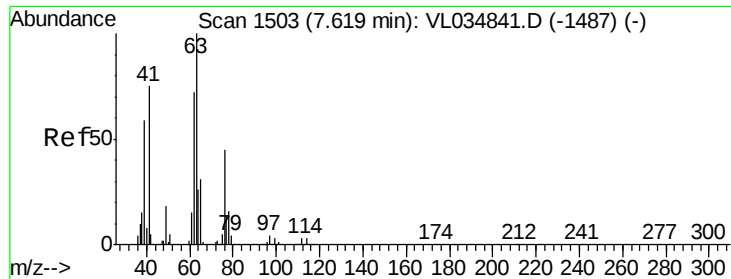
MMDadoda
 3/18/2020 5:35:39 PM



#38
 Trichloroethene
 Concen: 9.923 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.6	88.5	132.7
132	90.2	78.0	117.0
97	72.9	59.3	88.9





#39

1,2-Dichloropropane

Concen: 9.833 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

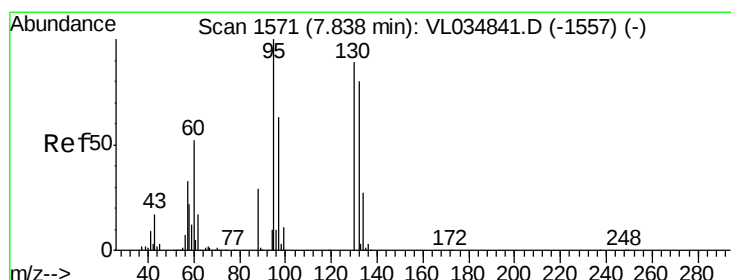
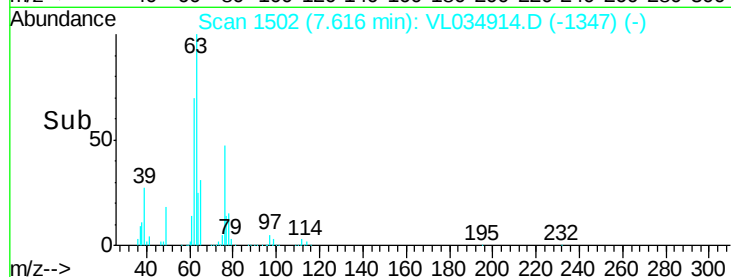
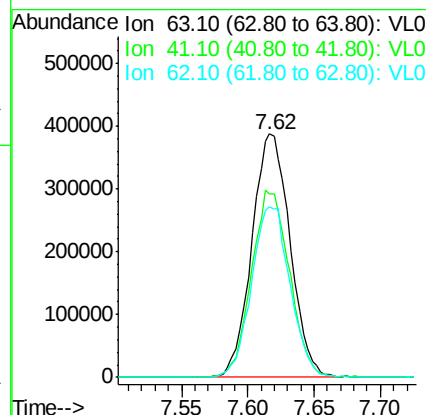
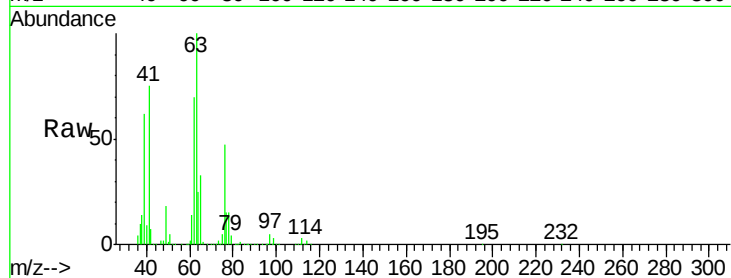
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	774749
Ion	Ratio	Lower	Upper
63	100		
41	75.0	59.8	89.8
62	69.9	57.6	86.4

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:39 PM



#40

1,4-Dioxane

Concen: 8.948 ppbv

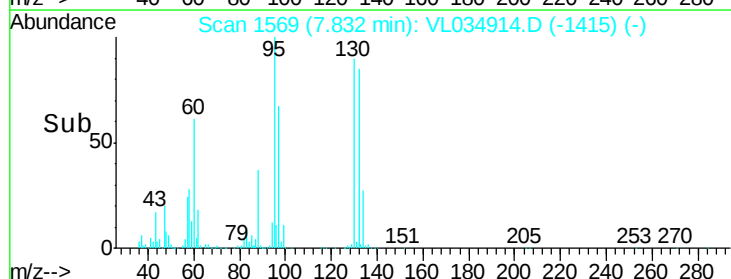
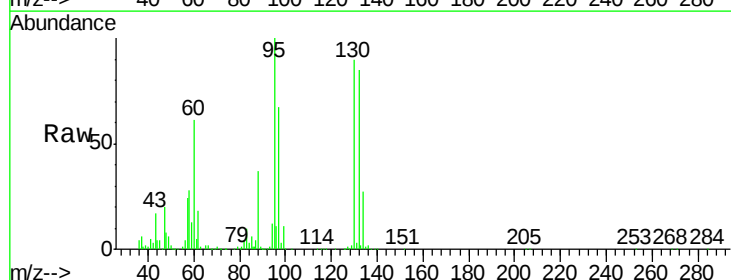
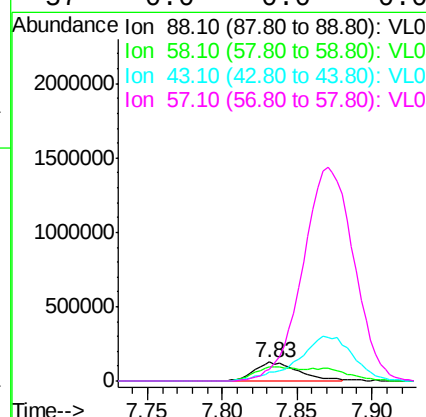
RT: 7.83 min Scan# 1569

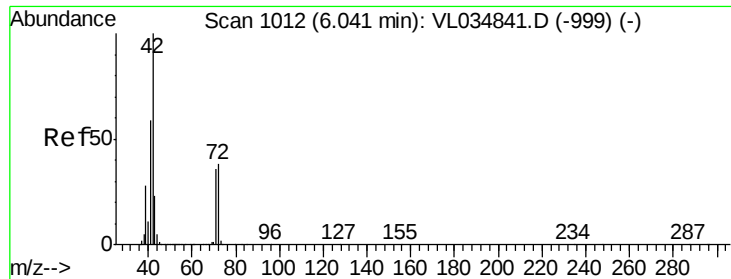
Delta R.T. -0.01 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Tgt Ion:	88	Resp:	266256
Ion	Ratio	Lower	Upper
88	100		
58	137.9	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





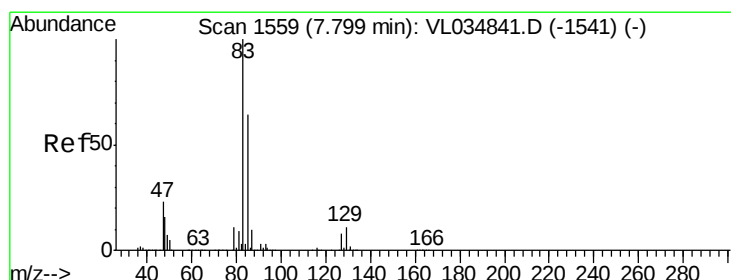
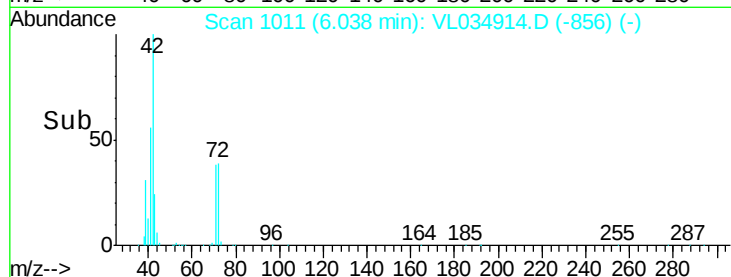
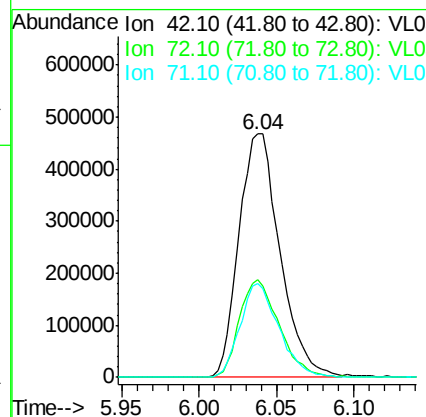
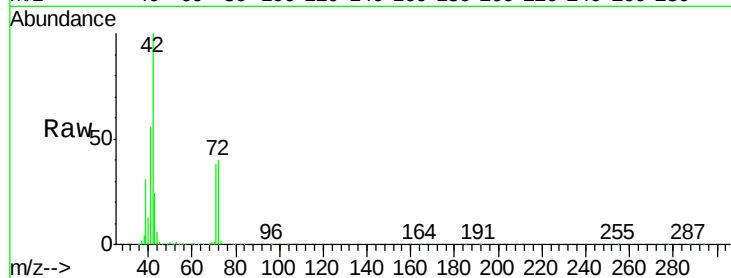
#41
Tetrahydrofuran
Concen: 10.742 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	30.8	46.2
71	36.7	30.1	45.1

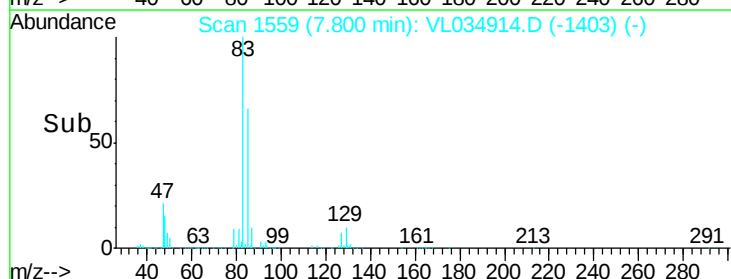
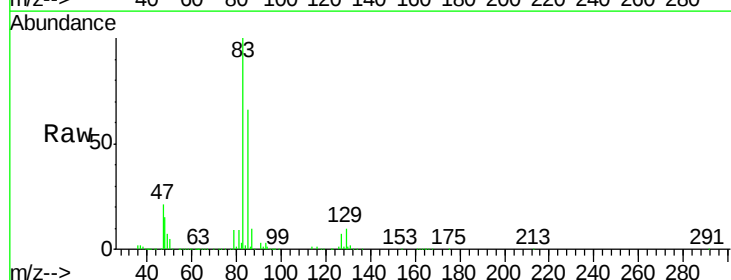
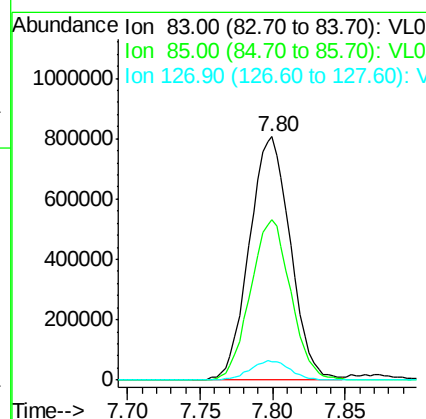
Manual Integrations
APPROVED

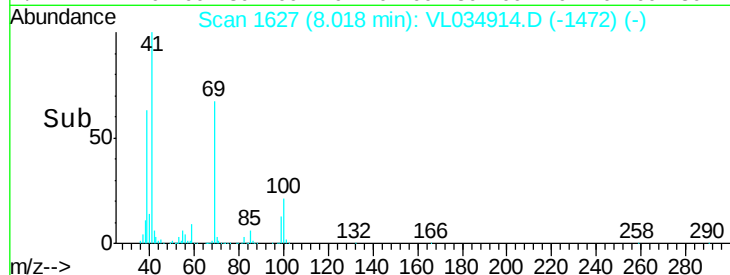
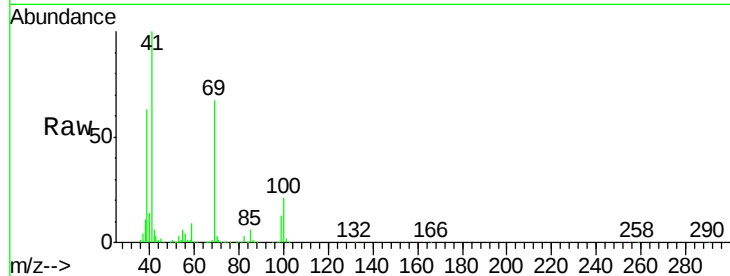
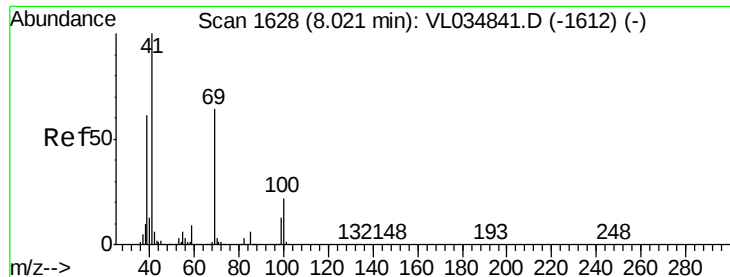
MMDadoda
3/18/2020 5:35:39 PM



#42
Bromodichloromethane
Concen: 10.402 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.2
127	7.4	6.2	9.4





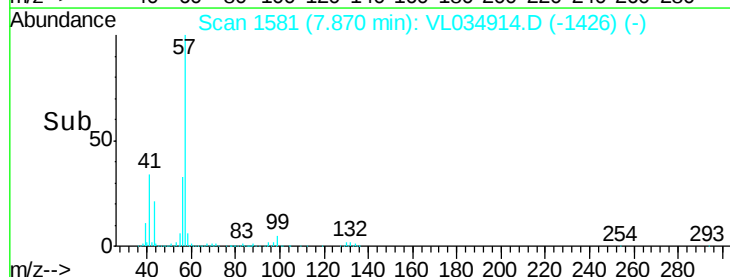
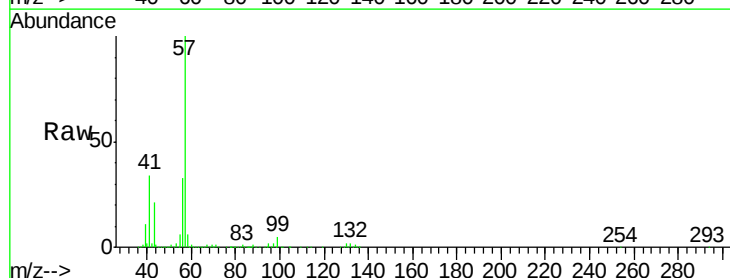
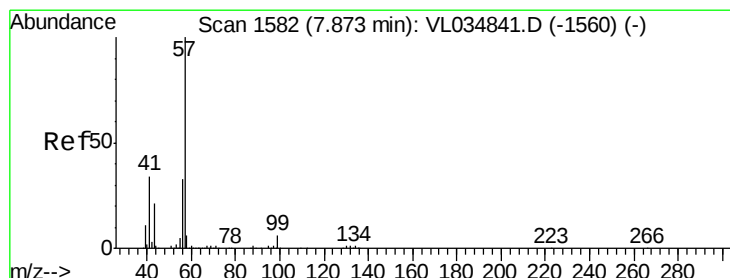
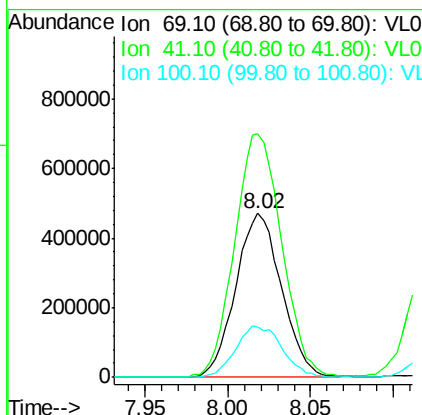
#43
Methvl Methacrylate
Concen: 10.762 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.1	123.2	184.8	
100	32.1	26.9	40.3	

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

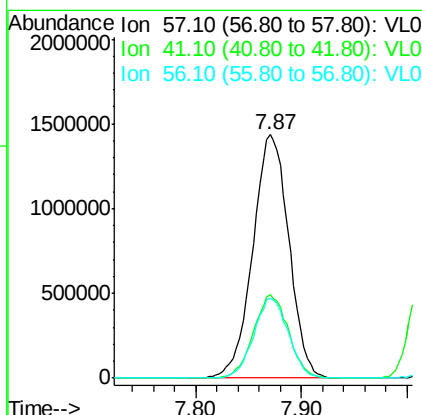
Manual Integrations
APPROVED

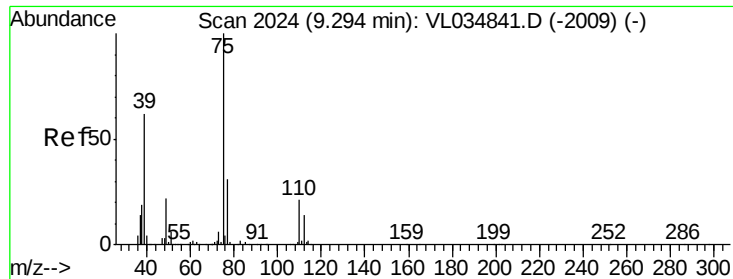
MMDadoda
3/18/2020 5:35:39 PM



#44
2,2,4-Trimethylpentane
Concen: 10.174 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	26.2	39.4	
56	31.5	25.0	37.4	





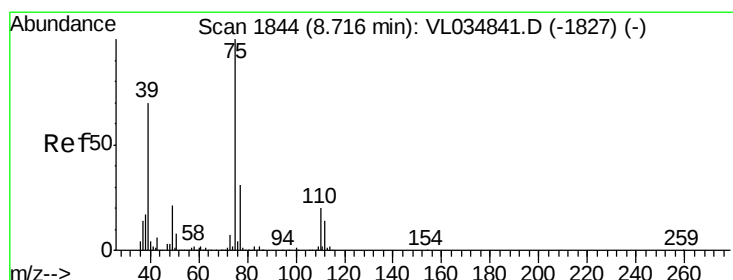
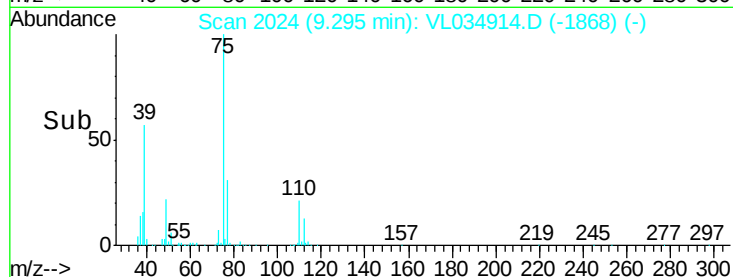
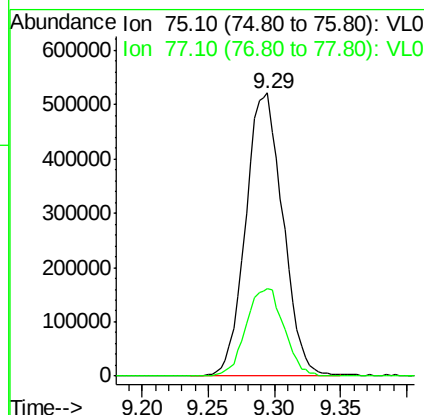
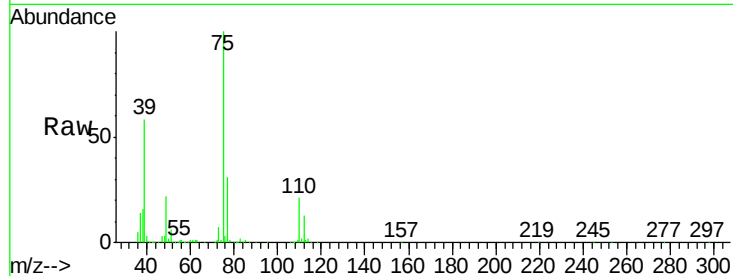
#45
t-1,3-Dichloropropene
Concen: 10.371 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1020793
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0

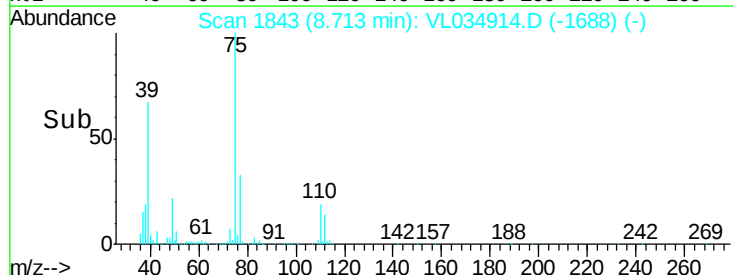
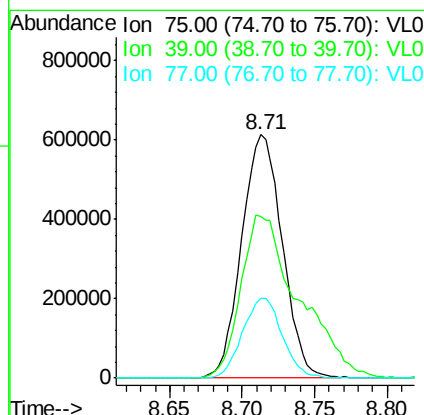
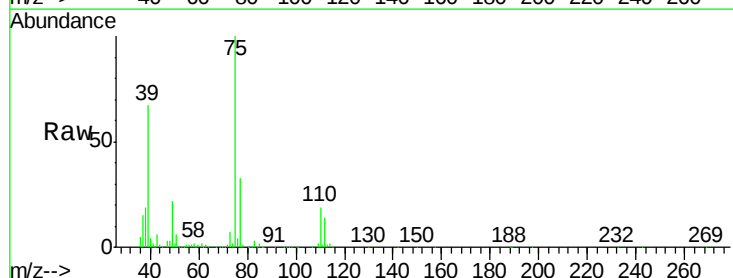
Manual Integrations
APPROVED

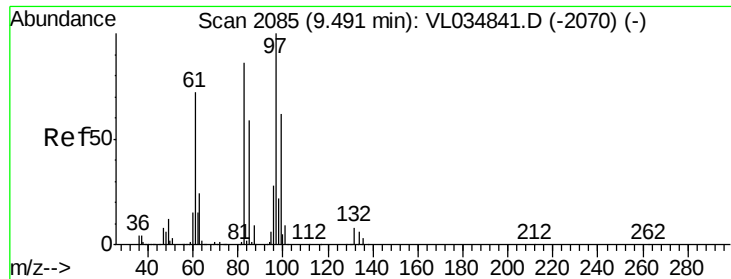
MMDadoda
3/18/2020 5:35:39 PM



#46
cis-1,3-Dichloropropene
Concen: 10.228 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 75 Resp: 1196289
Ion Ratio Lower Upper
75 100
39 66.5 55.7 83.5
77 32.9 24.7 37.1





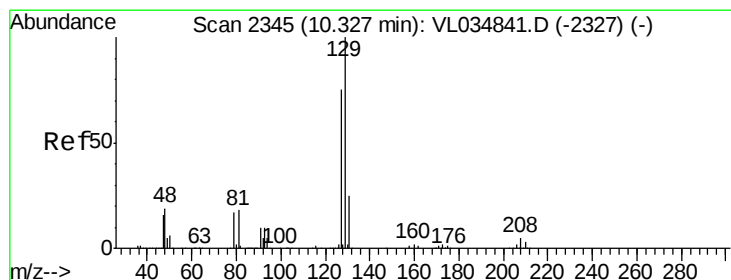
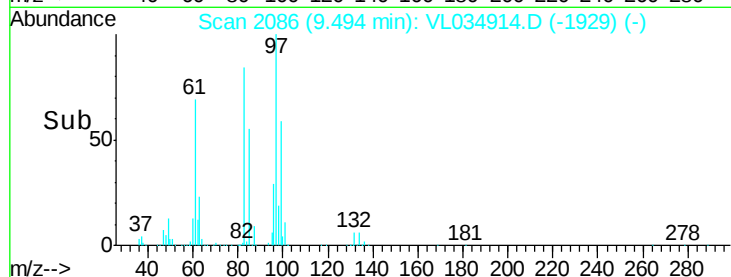
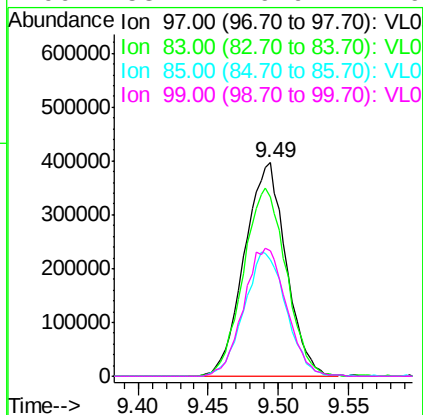
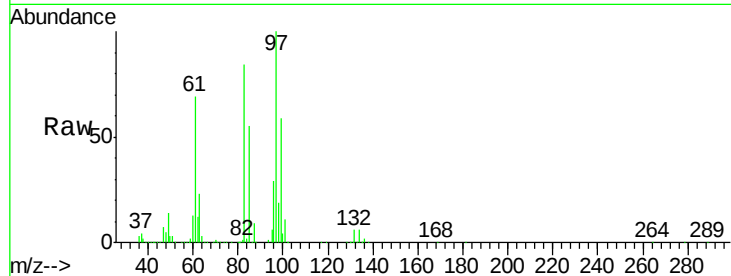
#47
 1,1,2-Trichloroethane
 Concen: 10.159 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.2	68.6	102.8	
85	54.6	46.9	70.3	
99	58.7	49.9	74.9	

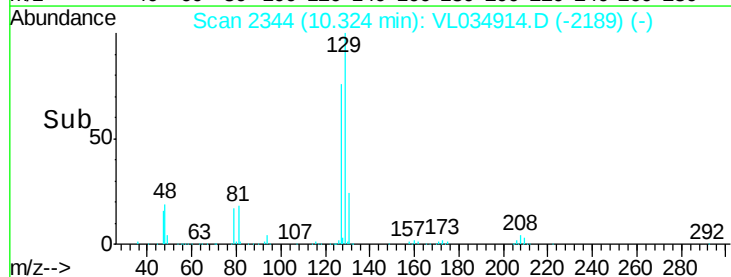
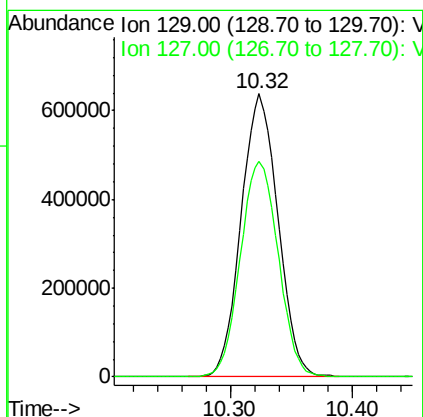
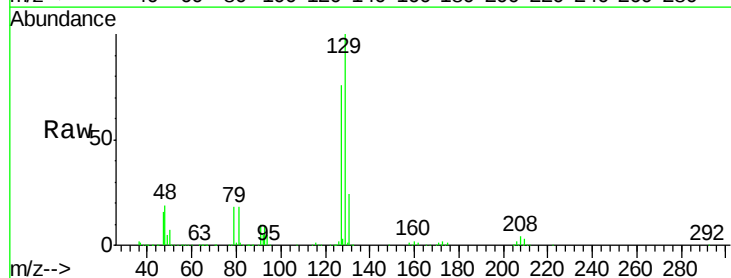
Manual Integrations
 APPROVED

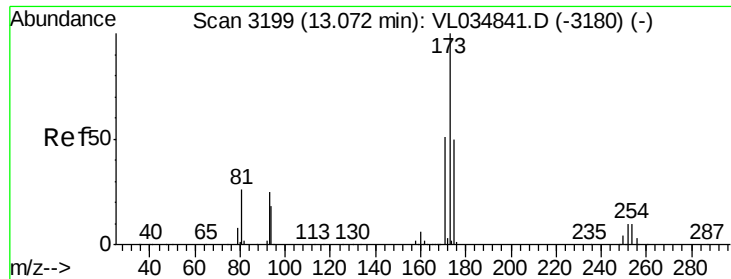
MMDadoda
 3/18/2020 5:35:39 PM



#48
 Dibromochloromethane
 Concen: 10.157 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.6	118.7	





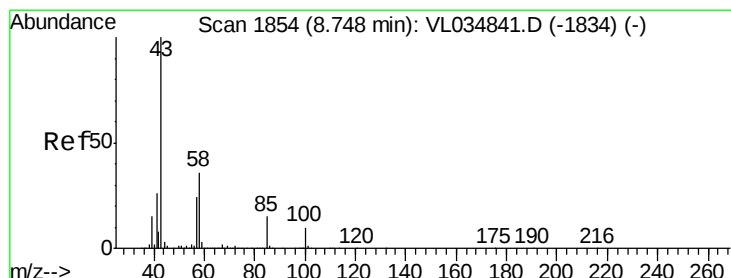
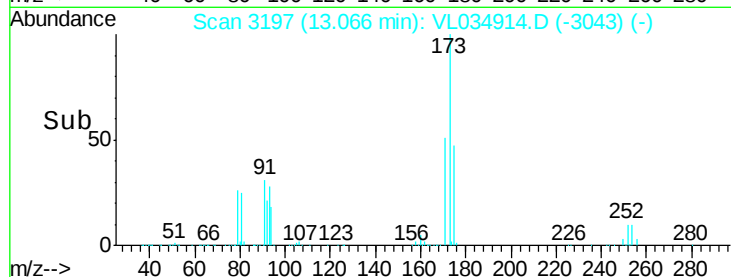
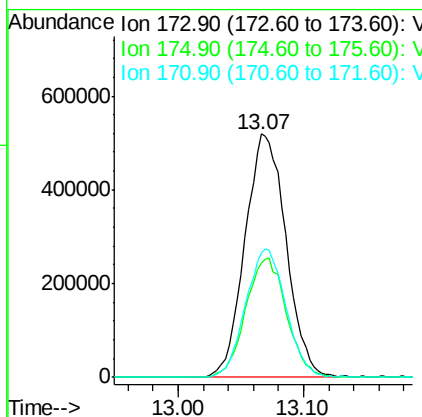
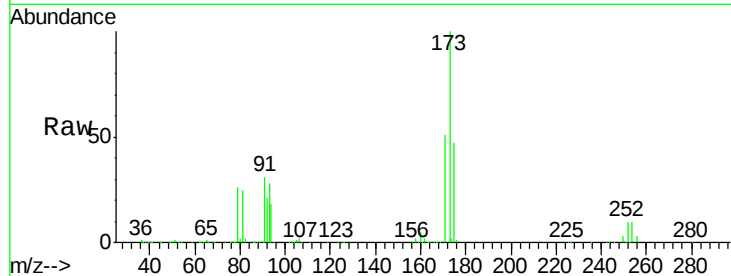
#49
Bromoform
Concen: 10.073 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1176043
Ion Ratio Lower Upper
173 100
175 48.9 39.6 59.4
171 52.1 41.0 61.6

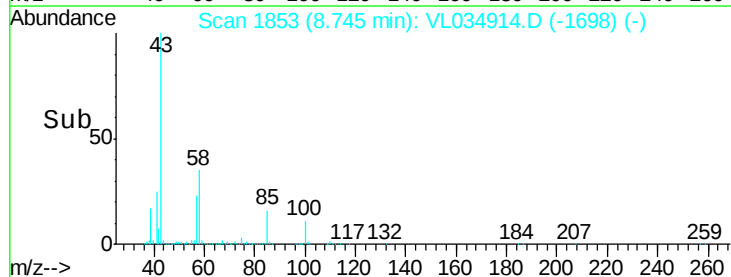
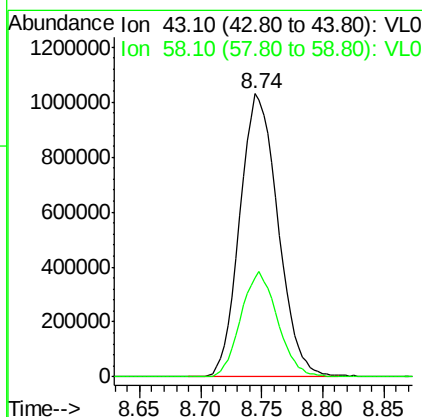
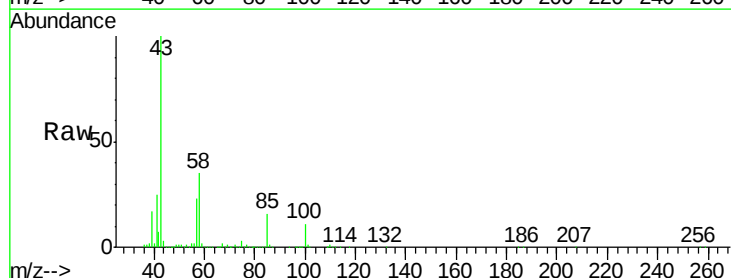
Manual Integrations
APPROVED

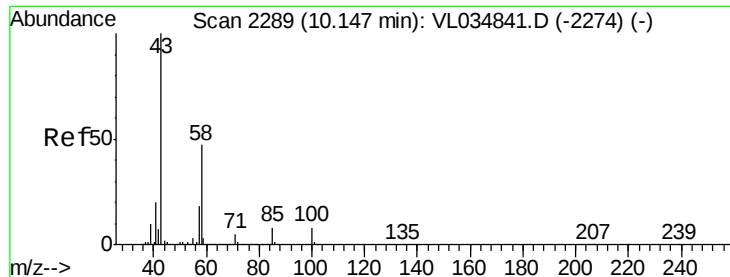
MMDadoda
3/18/2020 5:35:39 PM



#50
4-Methyl-2-Pentanone
Concen: 10.423 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 43 Resp: 2224493
Ion Ratio Lower Upper
43 100
58 35.9 28.6 42.8





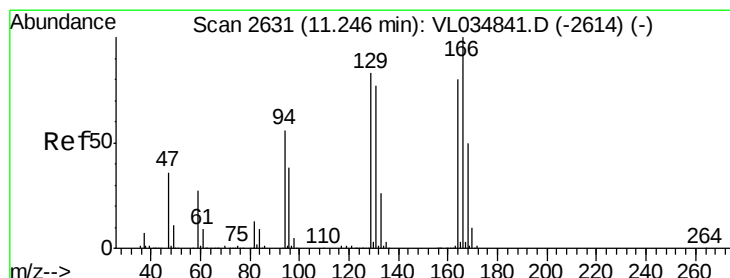
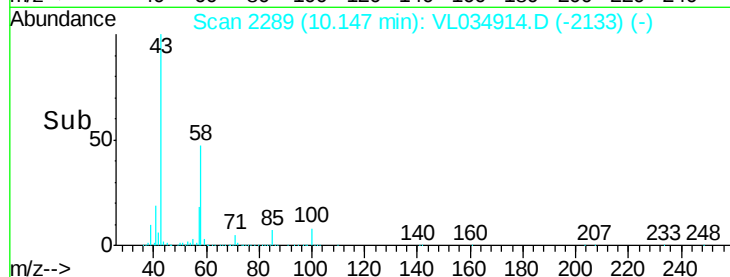
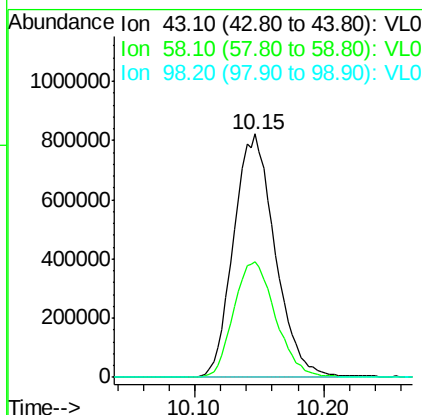
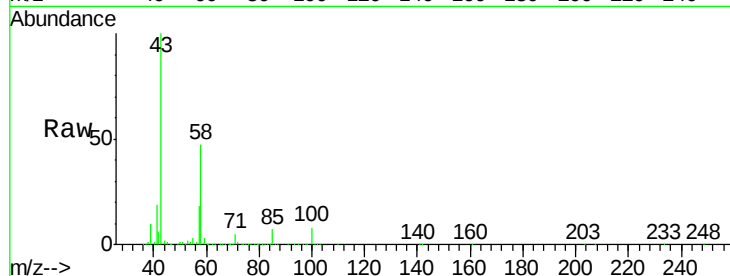
#51
2-Hexanone
Concen: 10.552 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1830290
Ion Ratio Lower Upper
43 100
58 48.6 38.6 58.0
98 0.3 0.1 0.1#

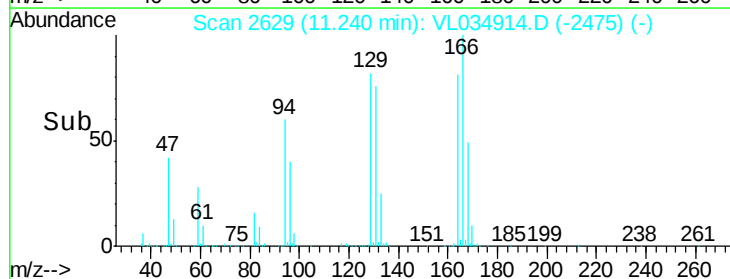
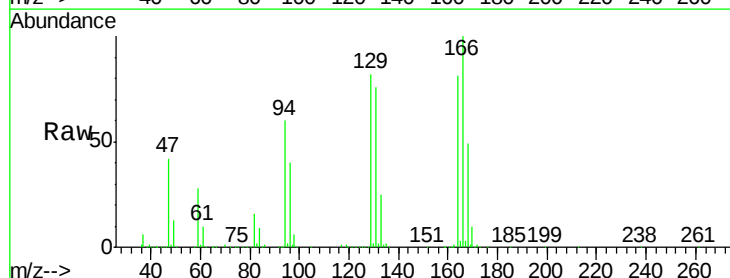
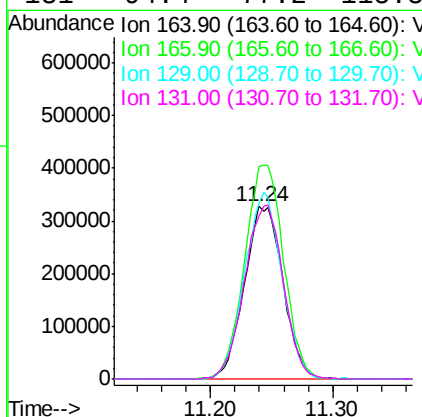
Manual Integrations
APPROVED

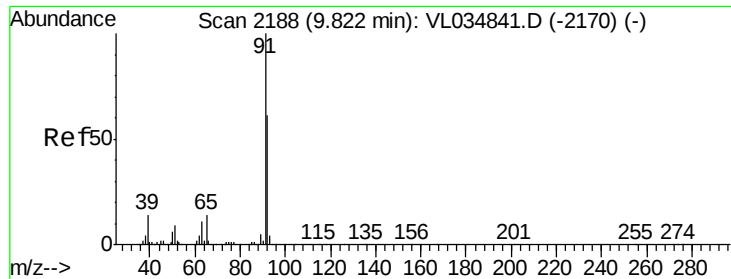
MMDadoda
3/18/2020 5:35:39 PM



#52
Tetrachloroethene
Concen: 9.059 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:164 Resp: 712693
Ion Ratio Lower Upper
164 100
166 123.5 100.0 150.0
129 101.6 83.1 124.7
131 94.4 77.2 115.8





#53

Toluene

Concen: 10.159 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2333004

Ion Ratio Lower Upper

91 100

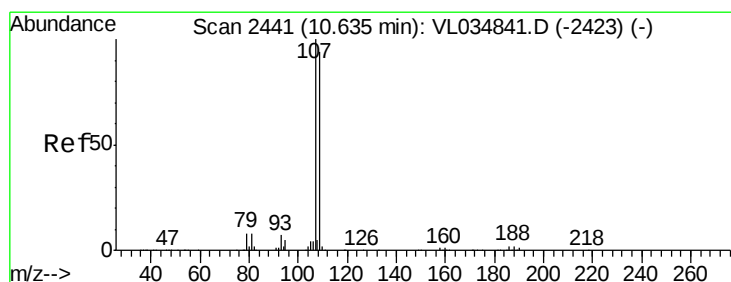
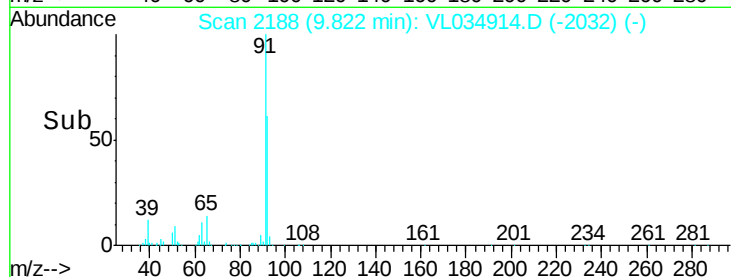
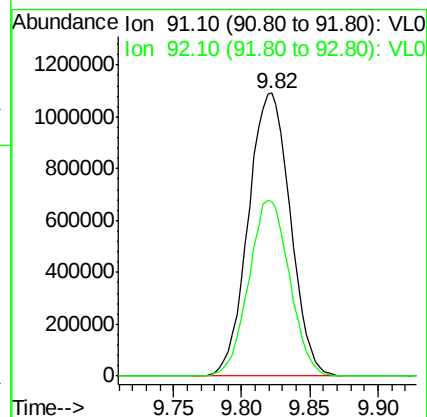
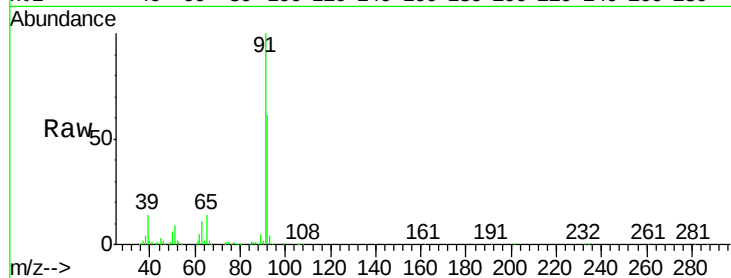
92 60.4 48.6 72.8

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:35:39 PM



#54

1,2-Dibromoethane

Concen: 10.247 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034914.D

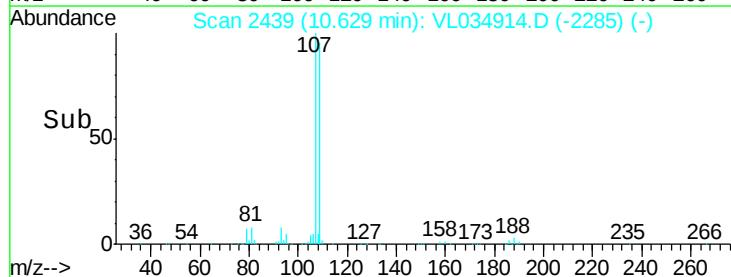
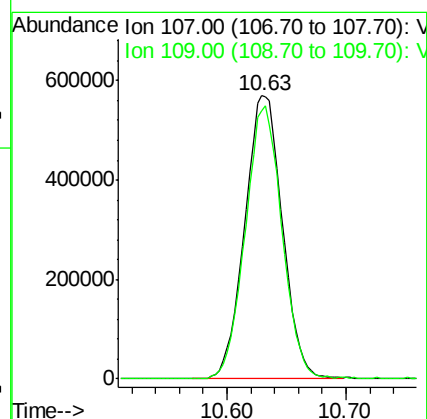
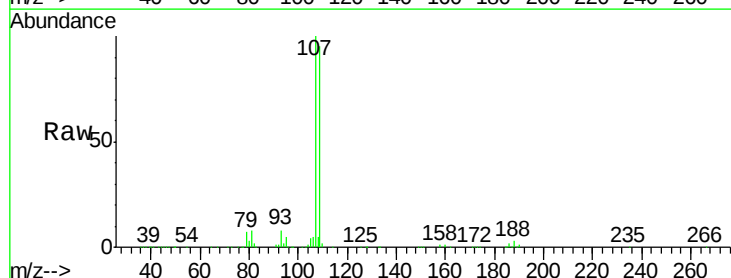
Acq: 17 Mar 2020 12:49

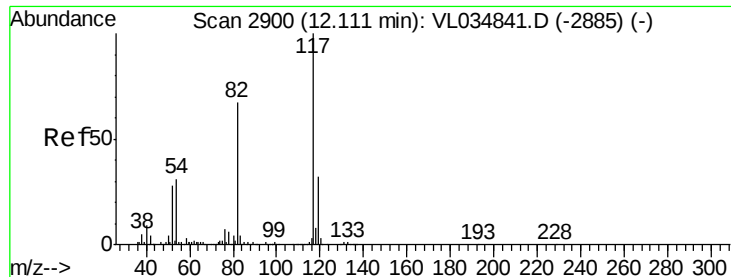
Tgt Ion: 107 Resp: 1247197

Ion Ratio Lower Upper

107 100

109 94.7 74.9 112.3





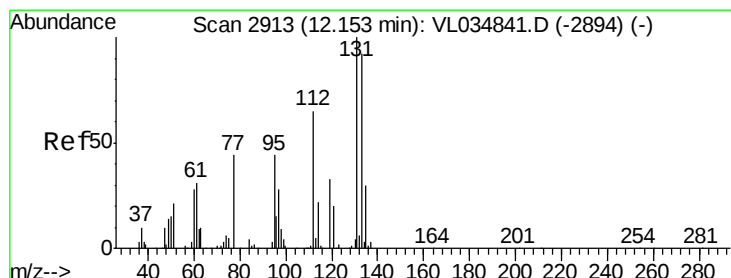
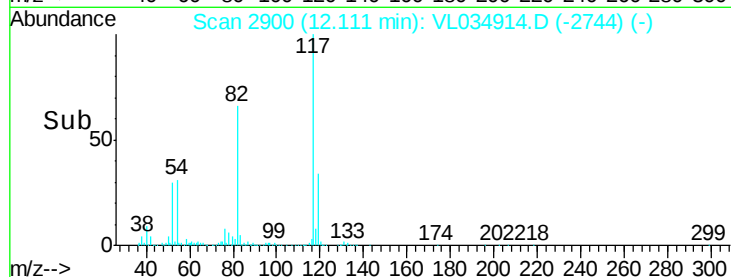
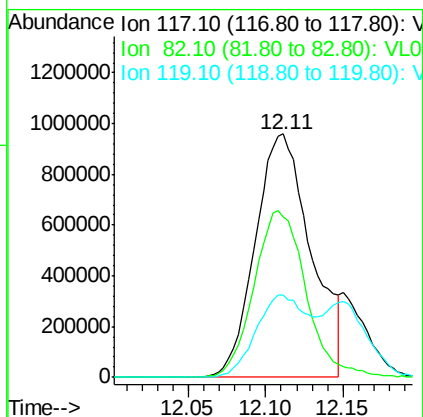
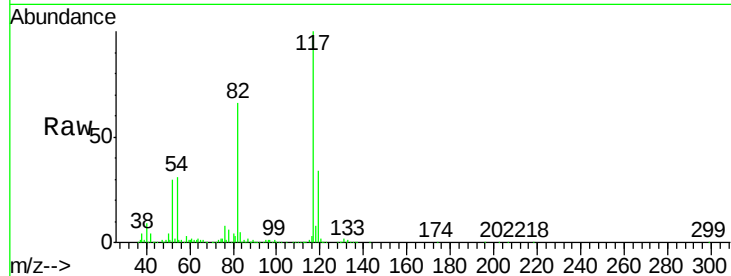
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2413472
Ion Ratio Lower Upper
117 100
82 64.1 51.1 76.7
119 34.3 27.3 40.9

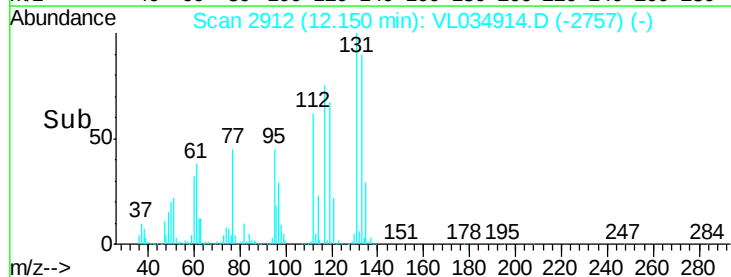
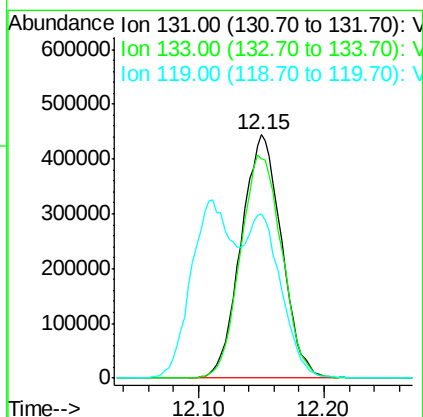
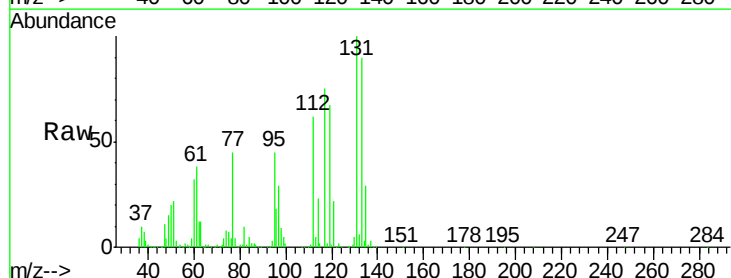
Manual Integrations
APPROVED

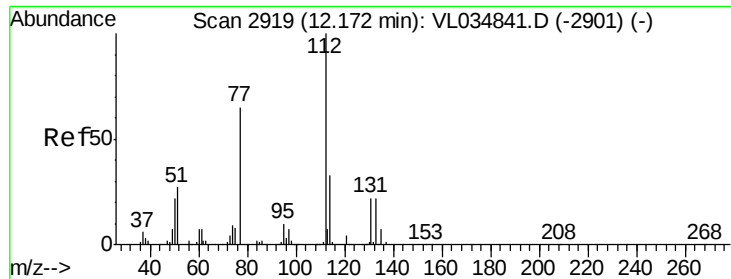
MMDadoda
3/18/2020 5:35:39 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.192 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion:131 Resp: 996501
Ion Ratio Lower Upper
131 100
133 94.4 76.0 114.0
119 57.6 47.8 71.8





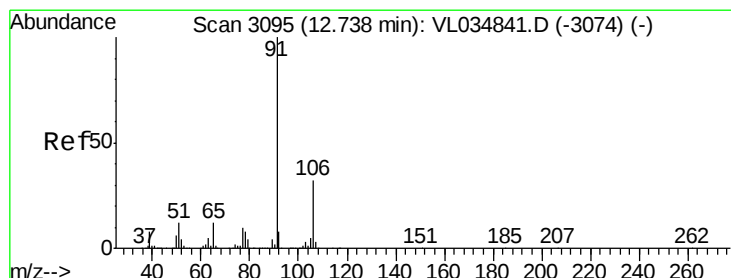
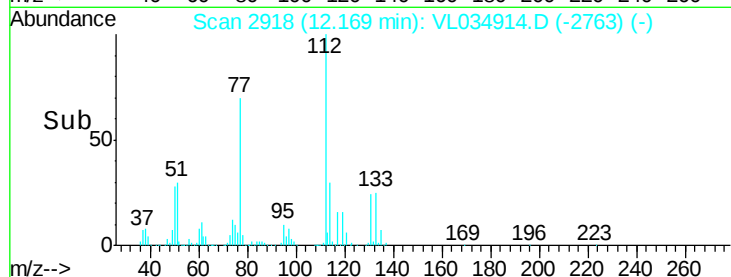
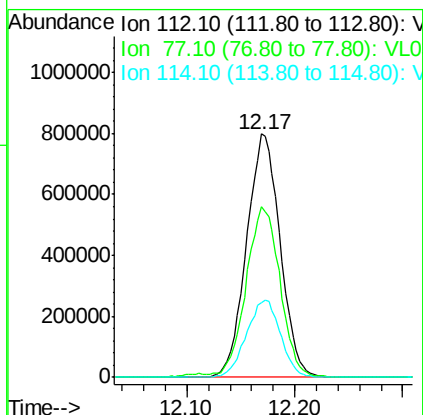
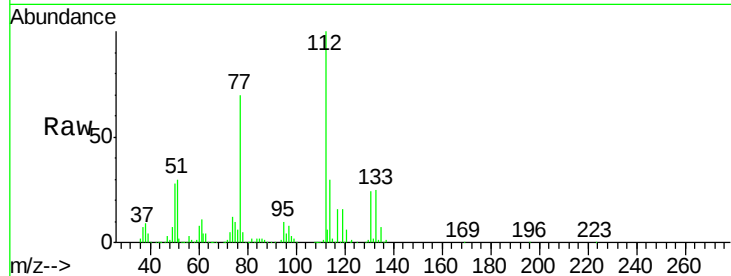
#57
Chlorobenzene
Concen: 9.141 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.9	53.0	79.6
114	30.4	29.5	36.1

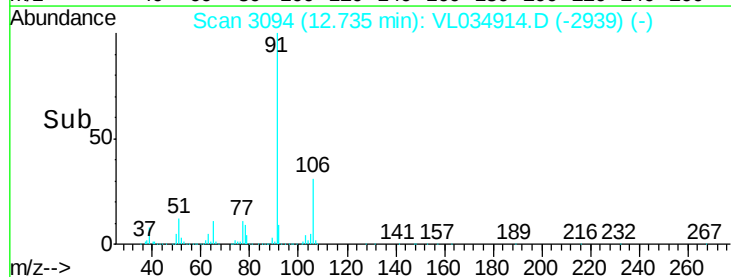
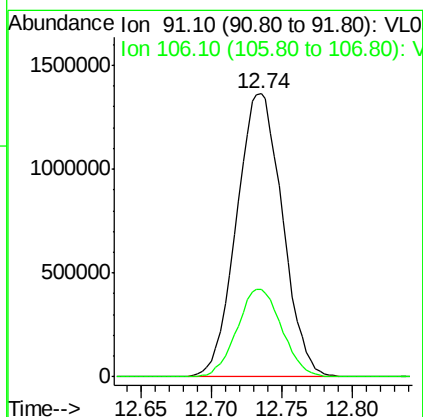
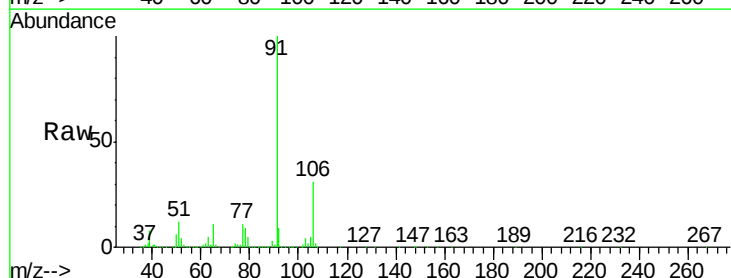
Manual Integrations
APPROVED

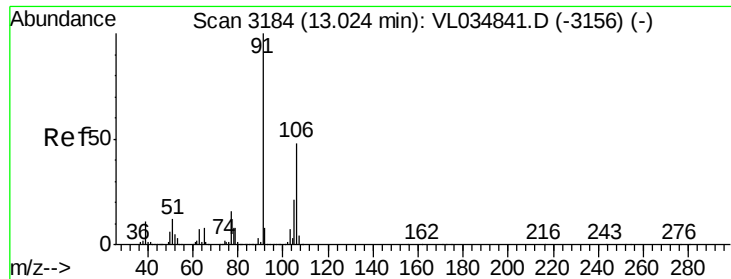
MMDadoda
3/18/2020 5:35:39 PM



#58
Ethyl Benzene
Concen: 9.471 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.8	38.6





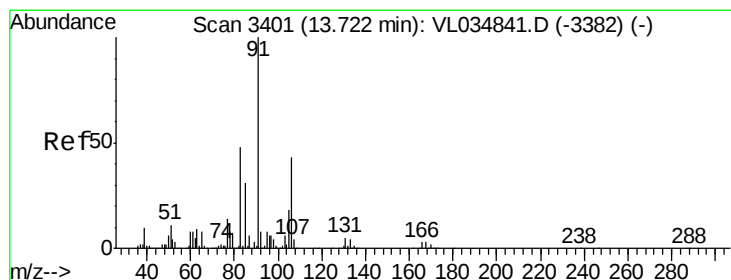
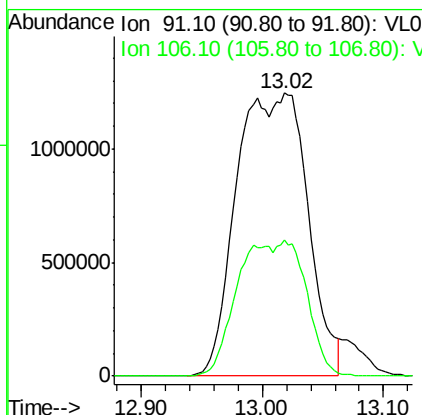
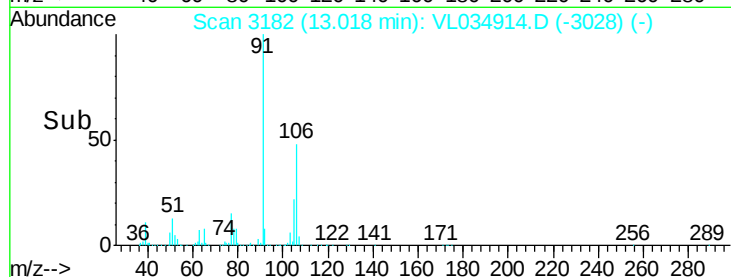
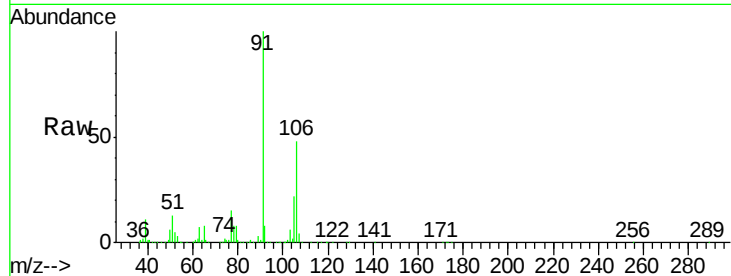
#59
m/p-Xylene
Concen: 18.515 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5069670
Ion Ratio Lower Upper
91 100
106 46.1 37.1 55.7

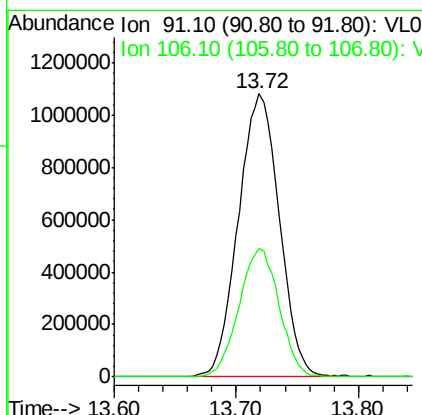
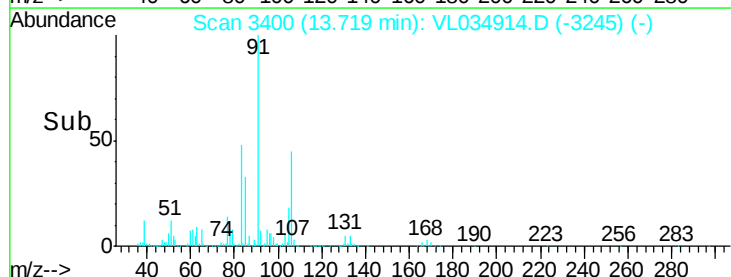
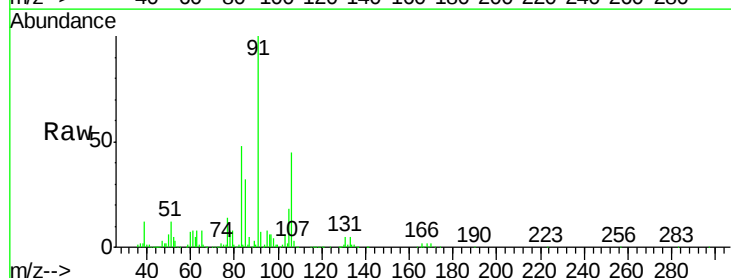
Manual Integrations
APPROVED

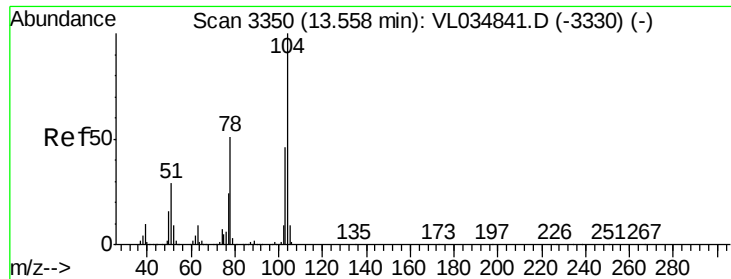
MMDadoda
3/18/2020 5:35:39 PM



#60
o-Xylene
Concen: 9.346 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 91 Resp: 2498665
Ion Ratio Lower Upper
91 100
106 44.6 22.5 67.5





#61

Stvrene

Concen: 9.858 ppbv

RT: 13.56 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

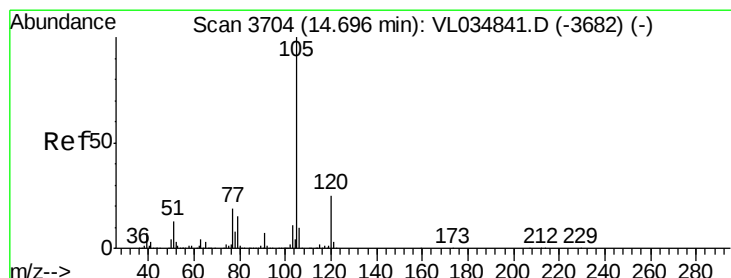
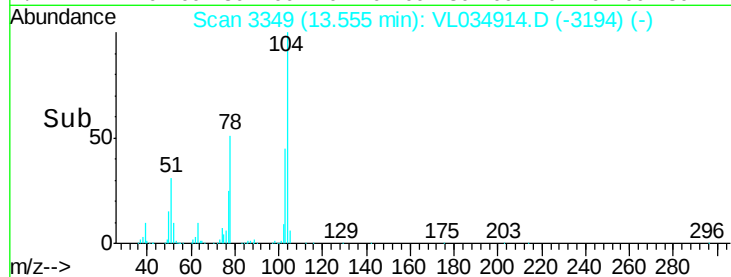
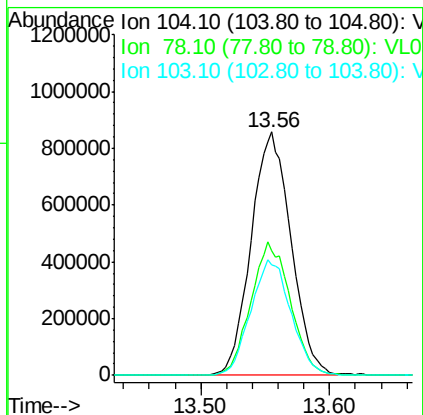
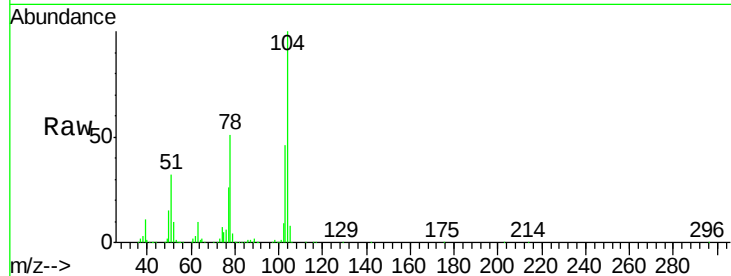
ClientSampleId :

VSTDCCC010

Tot Ion:	104	Resp:	1849643
Ion	Ratio	Lower	Upper
104	100		
78	54.4	41.8	62.6
103	48.0	37.8	56.6

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:39 PM



#62

Isopropylbenzene

Concen: 9.232 ppbv

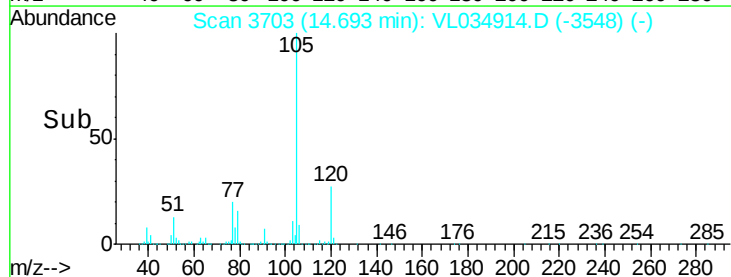
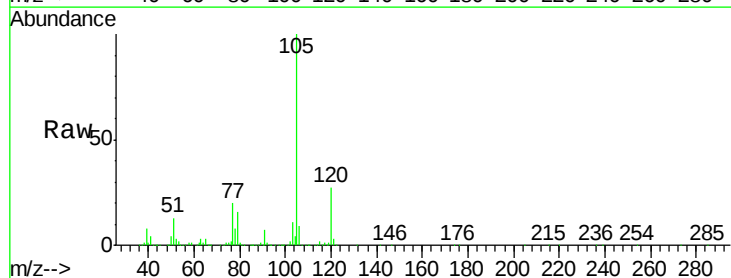
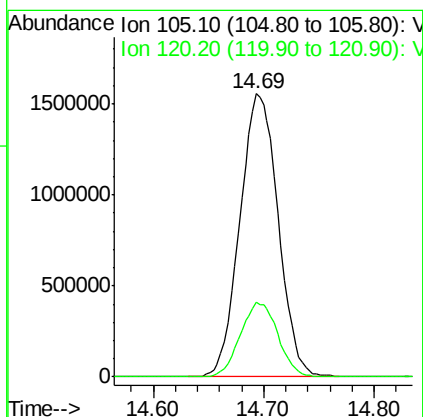
RT: 14.69 min Scan# 3703

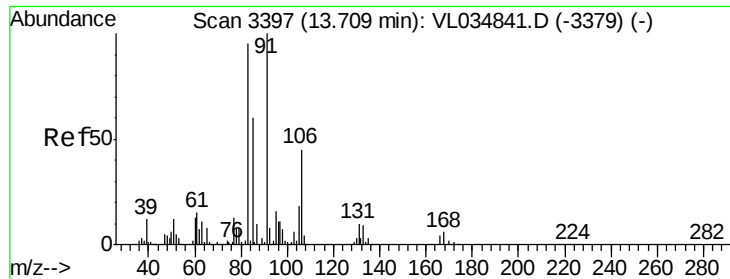
Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Tgt Ion:	105	Resp:	3732209
Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4





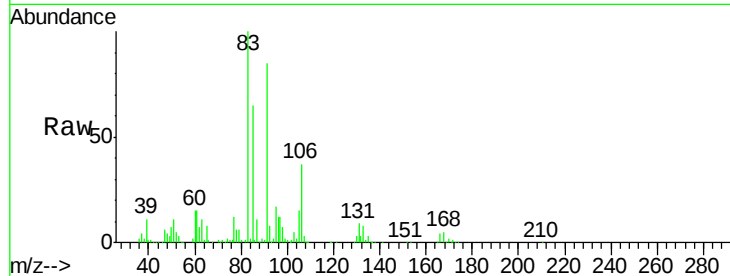
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.831 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

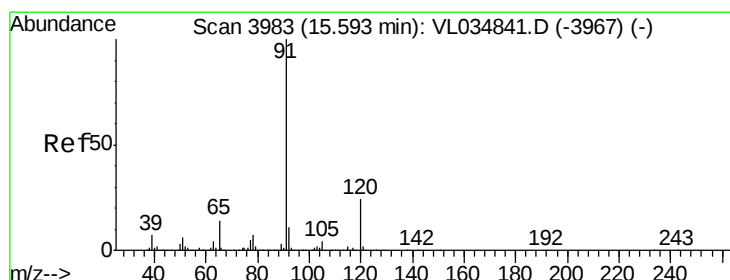
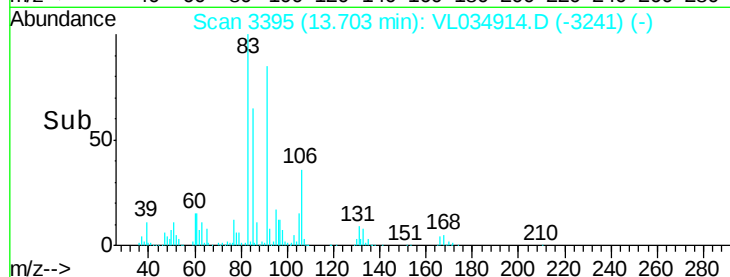
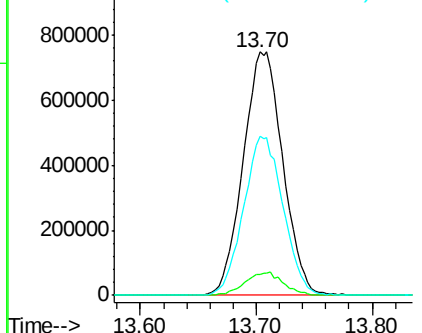
Tot Ion	83	Resp	1784333
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	14.9
85	65.0	32.4	97.2

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:39 PM

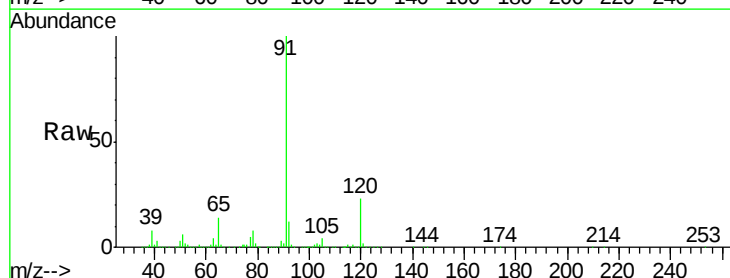


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

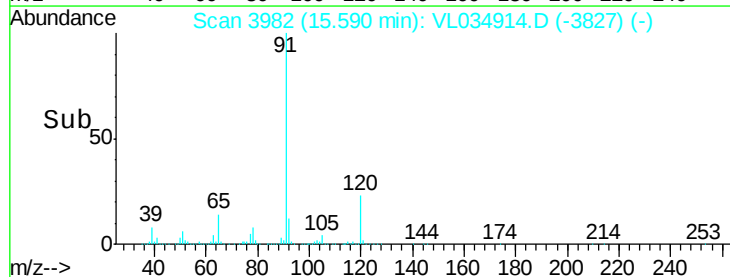
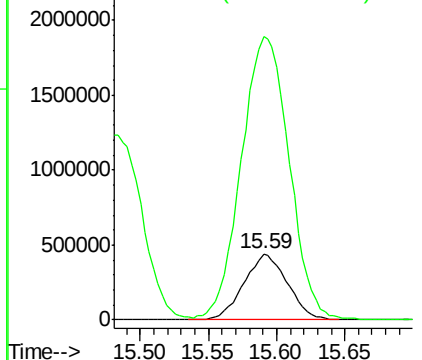


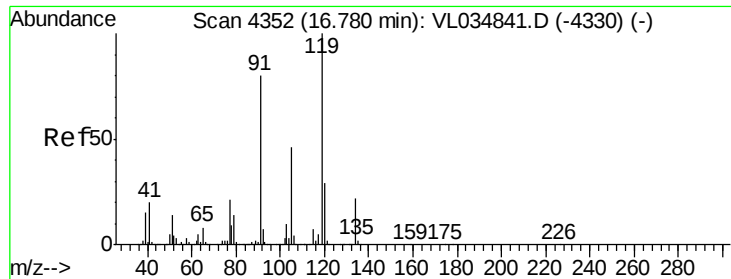
#64
 n-propylbenzene
 Concen: 9.302 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	120	Resp	978755
Ion Ratio	Lower	Upper	
120	100		
91	470.8	360.9	541.3



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





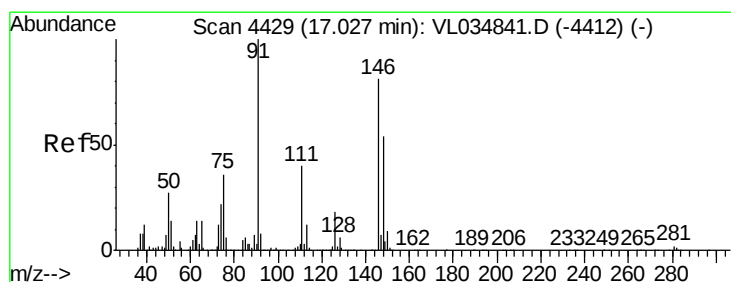
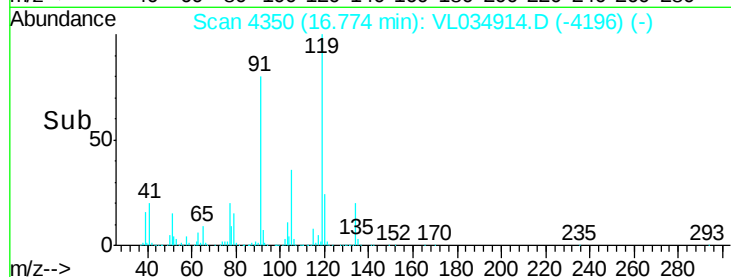
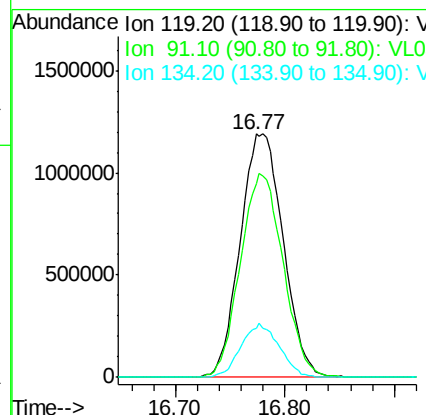
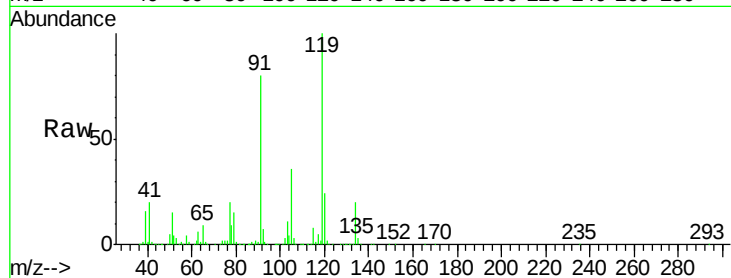
#65
tert-Butylbenzene
Concen: 9.184 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 3245447
Ion Ratio Lower Upper
119 100
91 83.4 64.9 97.3
134 19.7 15.9 23.9

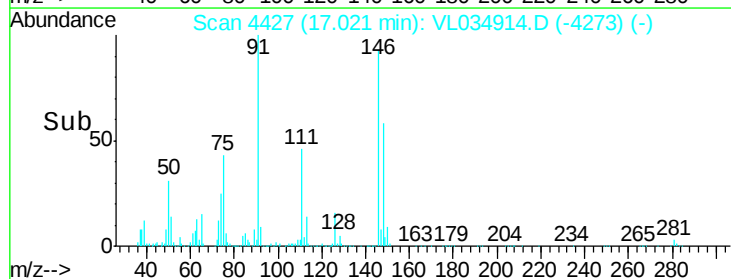
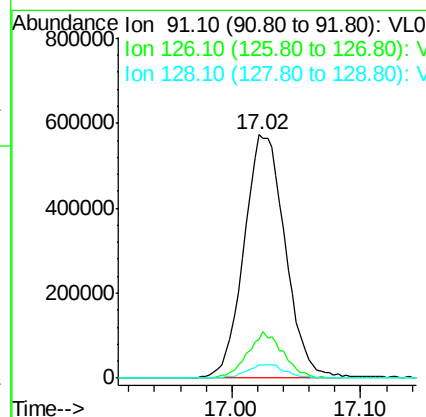
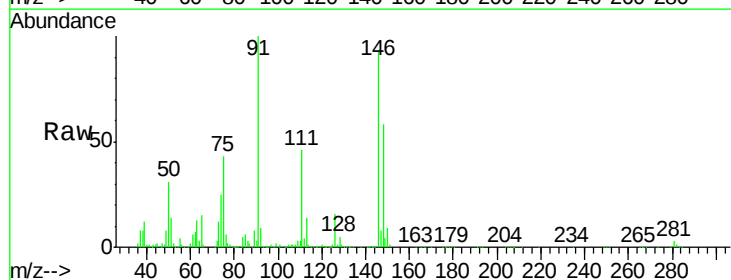
Manual Integrations
APPROVED

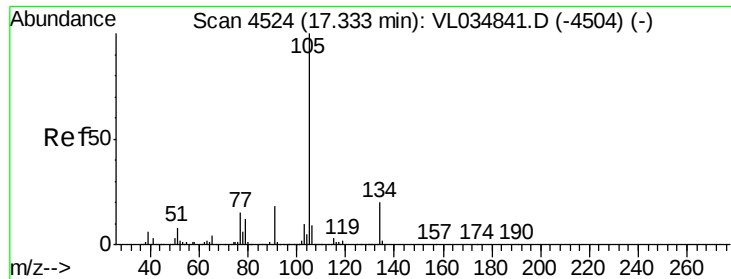
MMDadoda
3/18/2020 5:35:39 PM



#66
Benzyl Chloride
Concen: 8.621 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034914.D
Acq: 17 Mar 2020 12:49

Tgt Ion: 91 Resp: 1270391
Ion Ratio Lower Upper
91 100
126 16.6 14.7 22.1
128 5.2 4.7 7.1





#67

sec-Butylbenzene

Concen: 9.440 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4626021

Ion Ratio Lower Upper

105 100

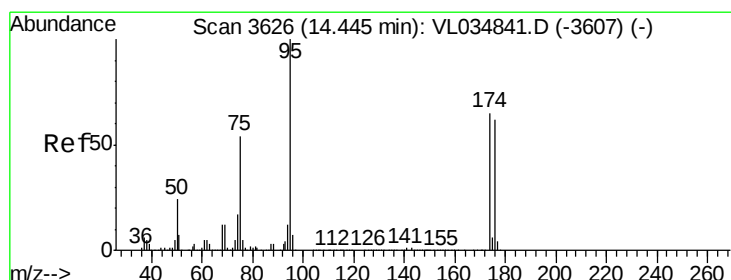
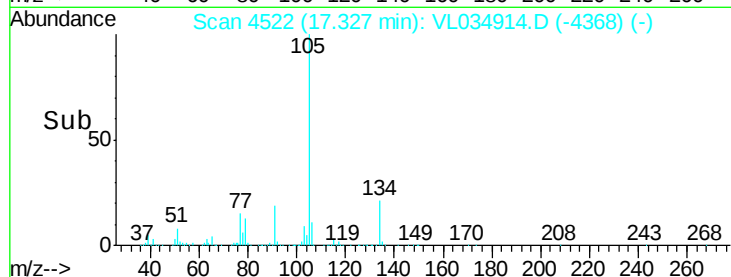
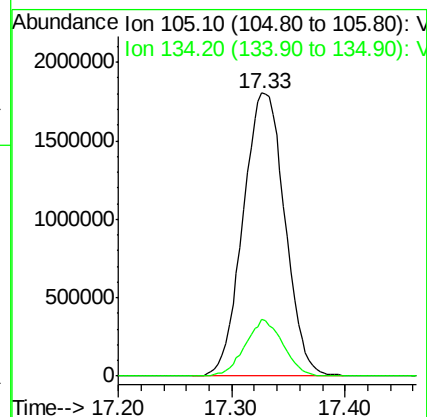
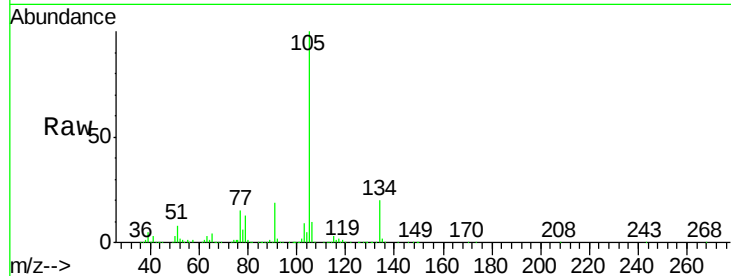
134 18.2 15.0 22.6

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:35:39 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.874 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

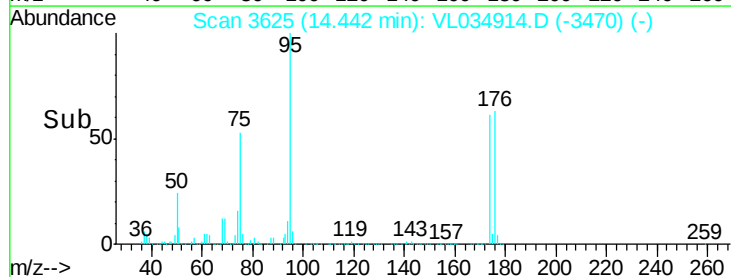
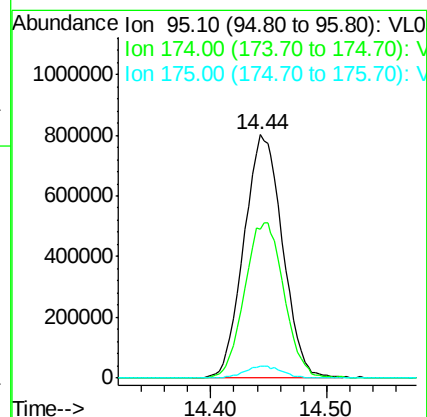
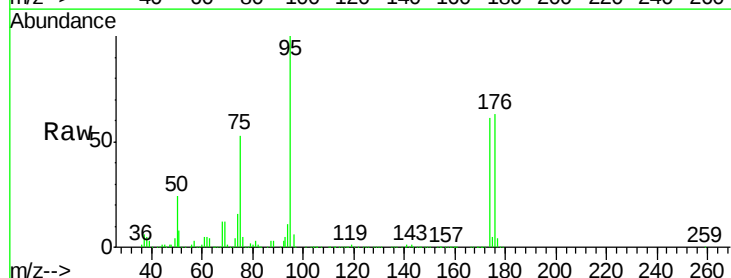
Tgt Ion: 95 Resp: 1858536

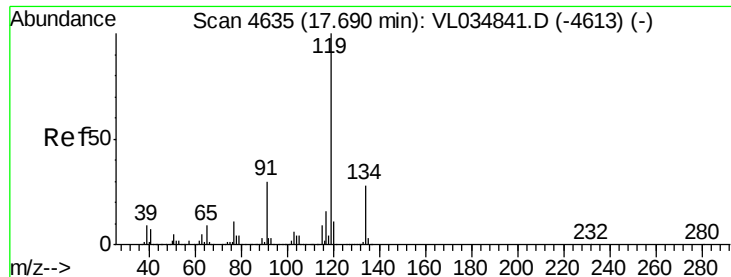
Ion Ratio Lower Upper

95 100

174 65.3 55.2 82.8

175 4.9 4.3 6.5





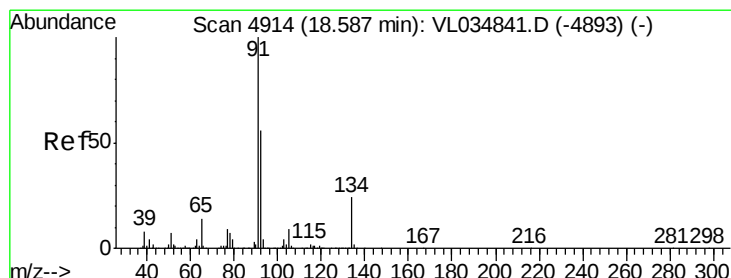
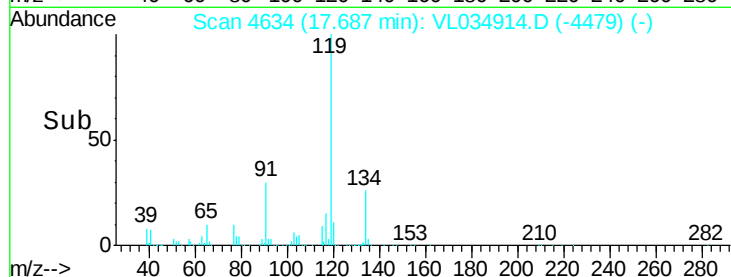
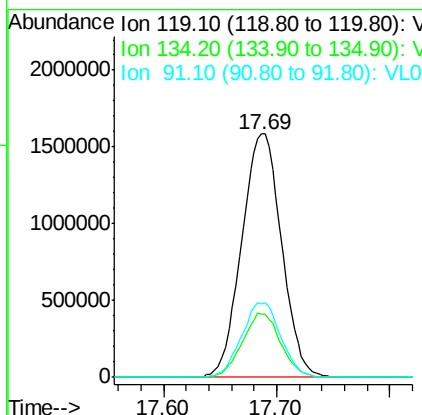
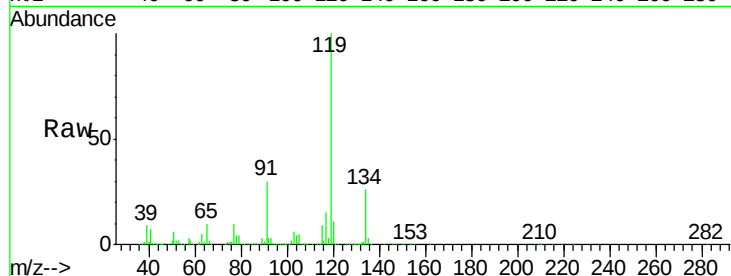
#69
 p-Isopropyltoluene
 Concen: 9.461 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.4	23.4	35.2

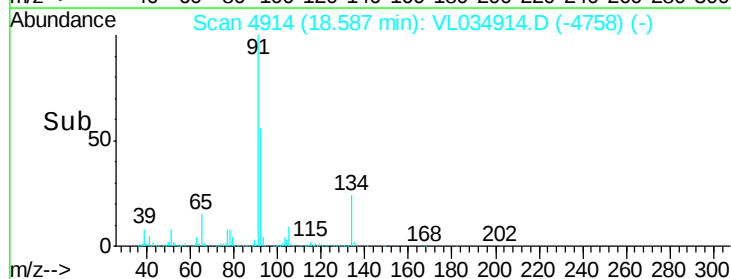
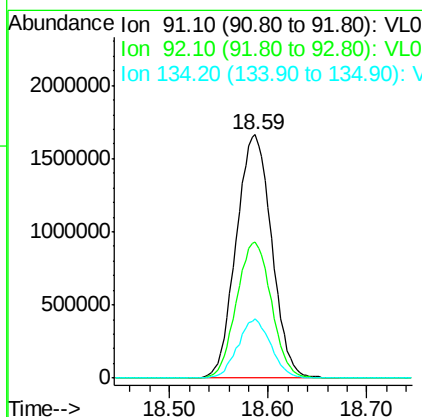
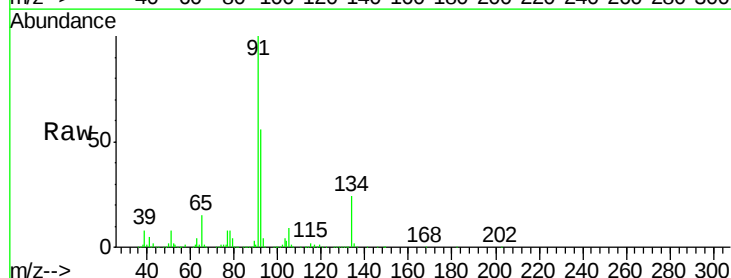
Manual Integrations
 APPROVED

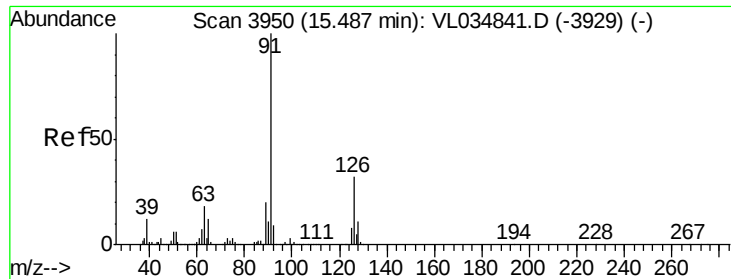
MMDadoda
 3/18/2020 5:35:39 PM



#70
 n-Butylbenzene
 Concen: 9.837 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.8	65.6
134	22.7	19.0	28.4





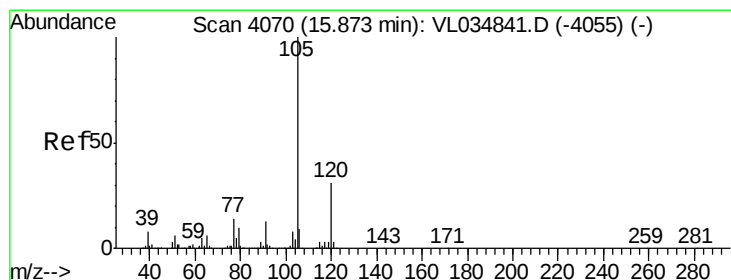
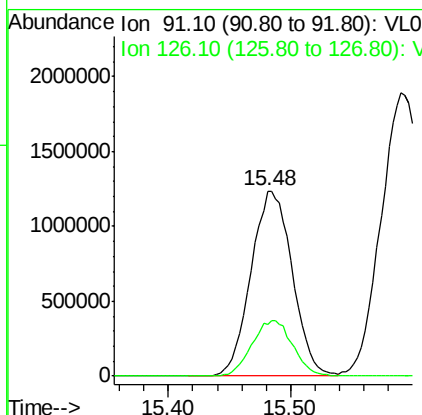
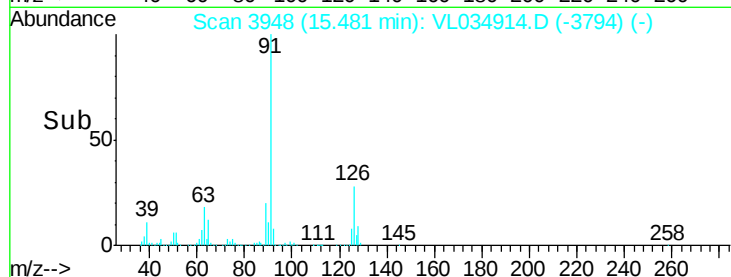
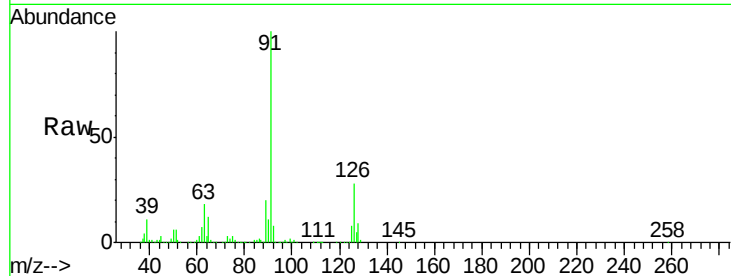
#71
 2-Chlorotoluene
 Concen: 9.492 ppbv
 RT: 15.48 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2906045
 Ion Ratio Lower Upper
 91 100
 126 29.8 12.3 49.1

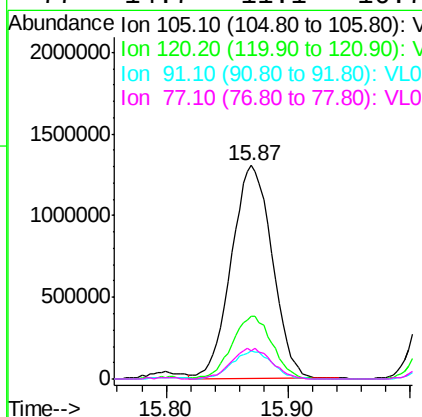
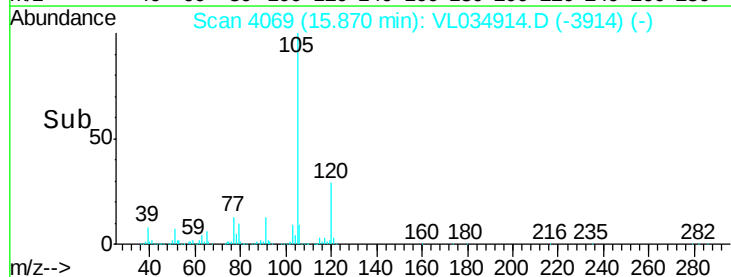
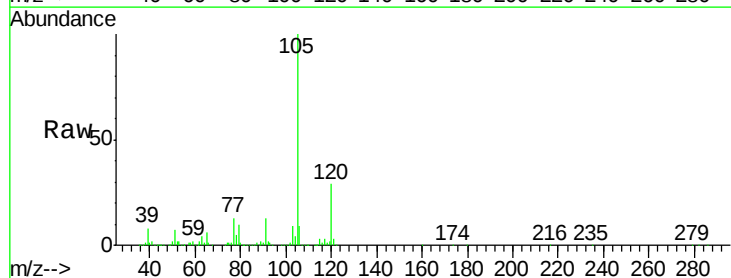
Manual Integrations
 APPROVED

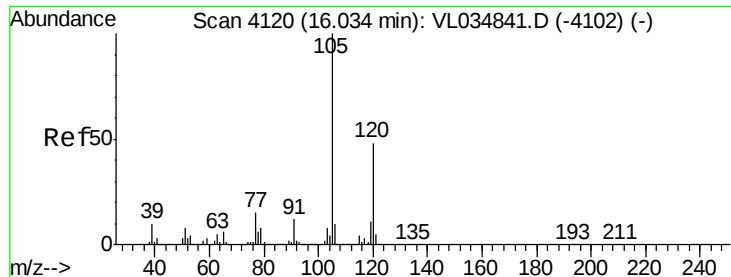
MMDadoda
 3/18/2020 5:35:39 PM



#72
 4-Ethyltoluene
 Concen: 9.590 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion: 105 Resp: 3027853
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.7 35.5
 91 13.2 10.5 15.7
 77 14.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.618 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.01 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2842877

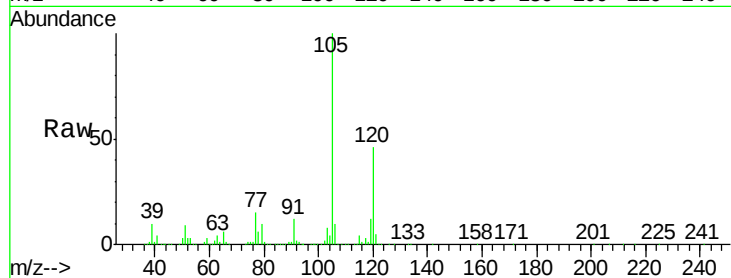
Ion Ratio Lower Upper

105 100

120 45.7 38.6 58.0

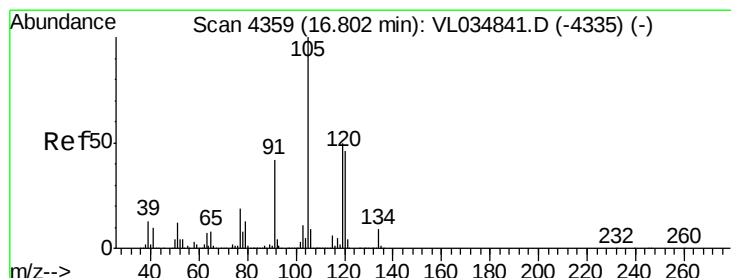
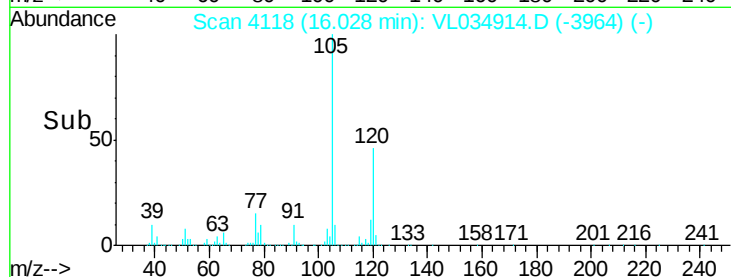
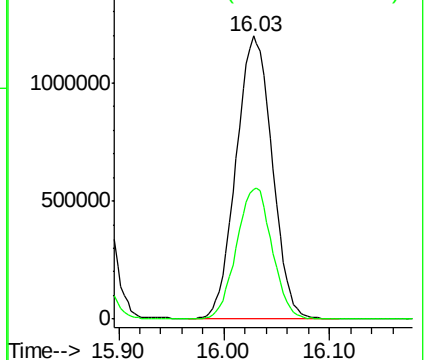
Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:35:39 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: 9.623 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Tgt Ion:105 Resp: 2930132

Ion Ratio Lower Upper

105 100

120 46.1 37.0 55.4

91 42.7 33.8 50.6

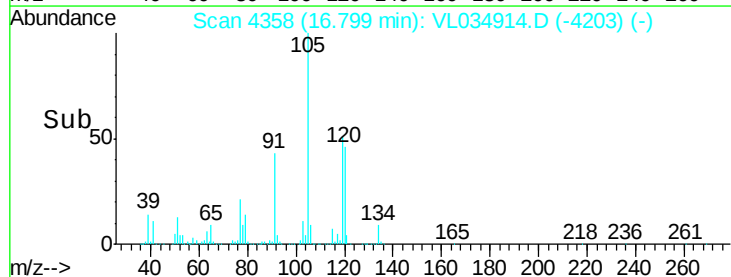
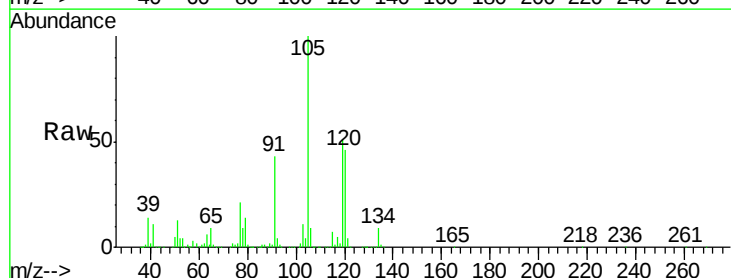
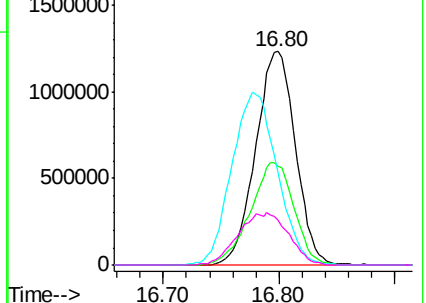
77 20.7 15.4 23.0

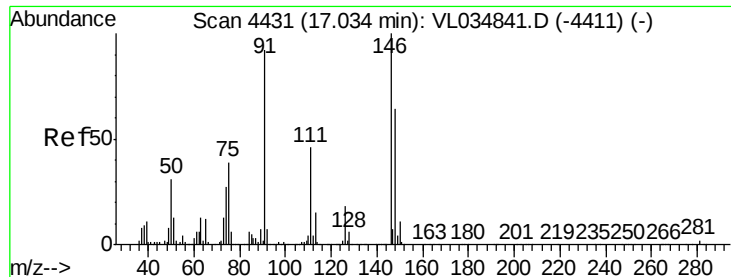
Abundance Ion 105.10 (104.80 to 105.80): V

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





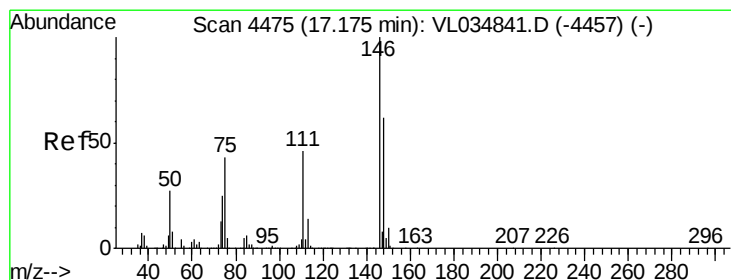
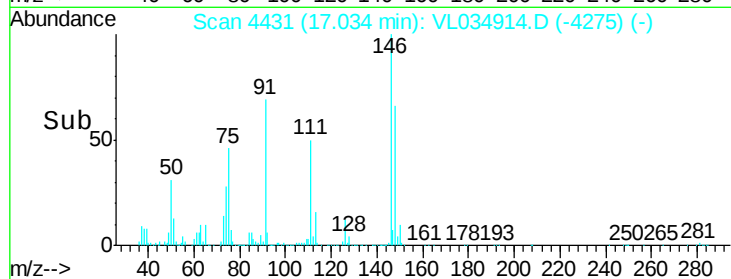
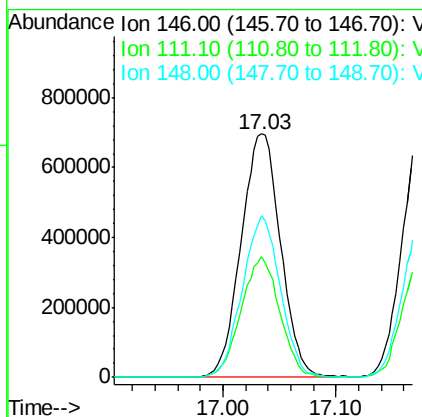
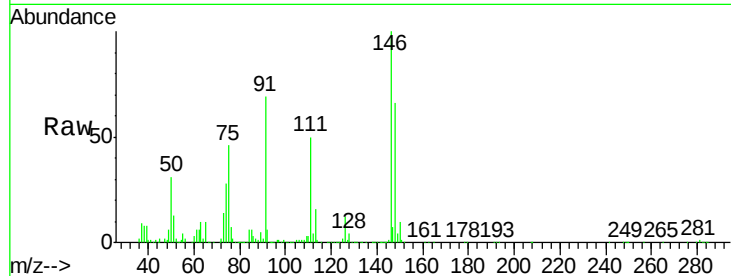
#75
 1,3-Dichlorobenzene
 Concen: 9.194 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	23.9	71.7
148	64.0	32.5	97.5

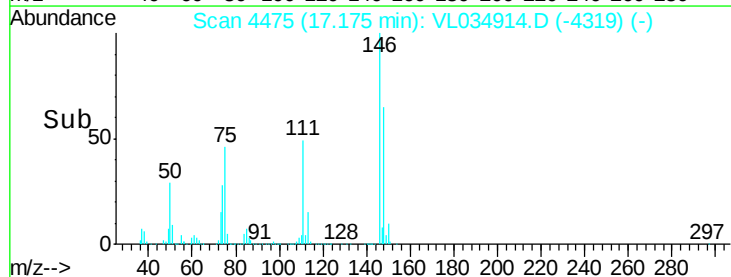
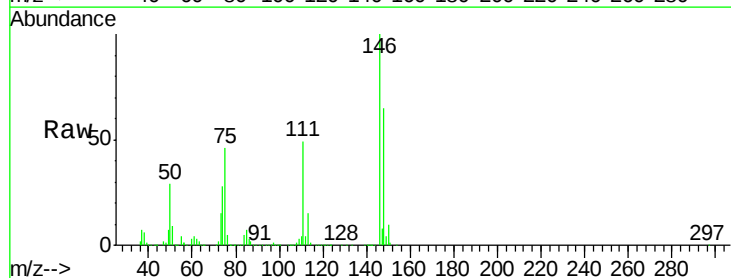
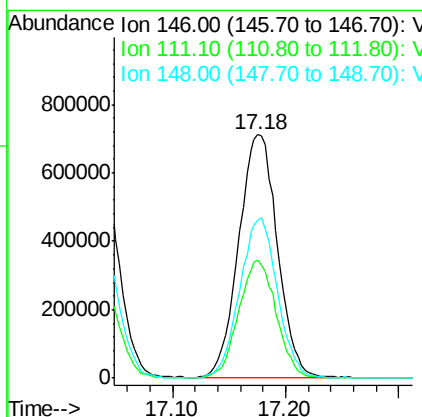
Manual Integrations
 APPROVED

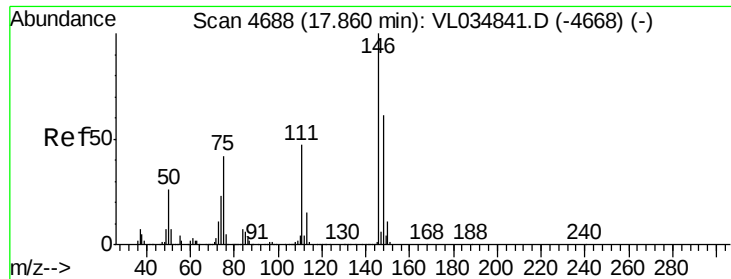
MMDadoda
 3/18/2020 5:35:39 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.262 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	64.3	32.3	96.9





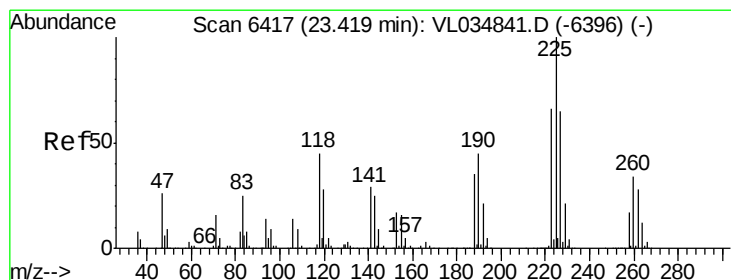
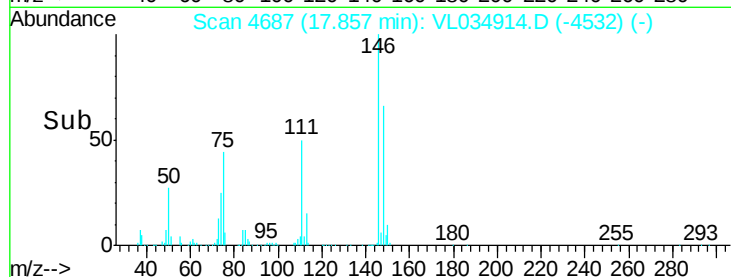
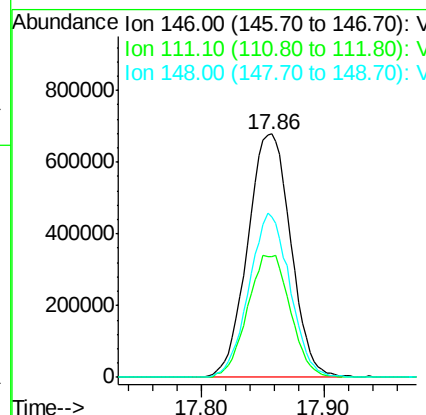
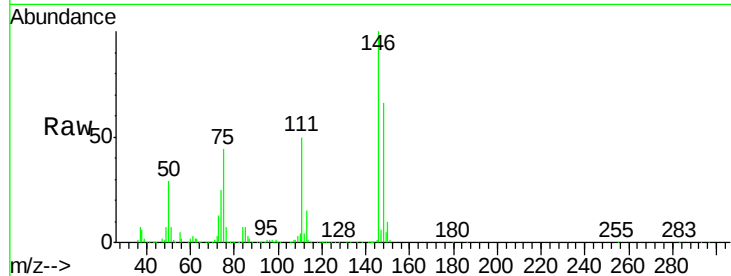
#77
 1,2-Dichlorobenzene
 Concen: 9.300 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.0	23.8	71.4
148	64.2	31.6	94.8

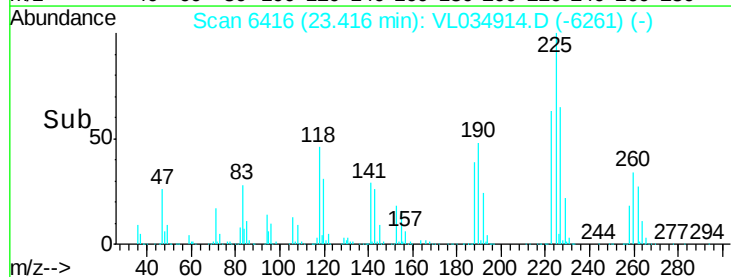
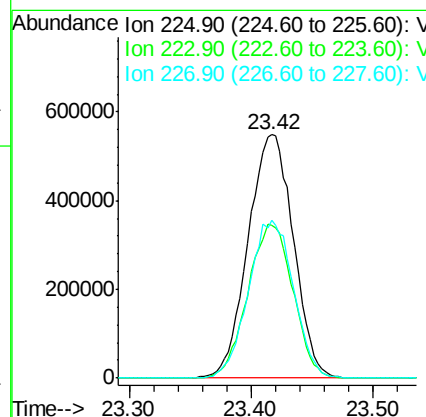
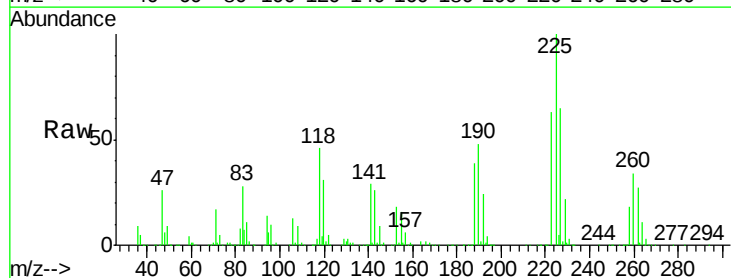
Manual Integrations
 APPROVED

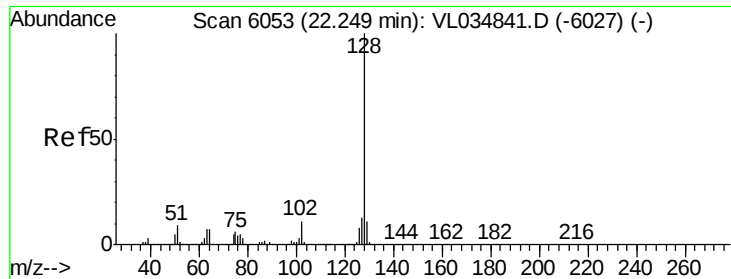
MMDadoda
 3/18/2020 5:35:39 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.466 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.1	76.7
227	64.6	51.8	77.6





#79

Naphthalene

Concen: 12.022 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 2854989

Ion Ratio Lower Upper

128 100

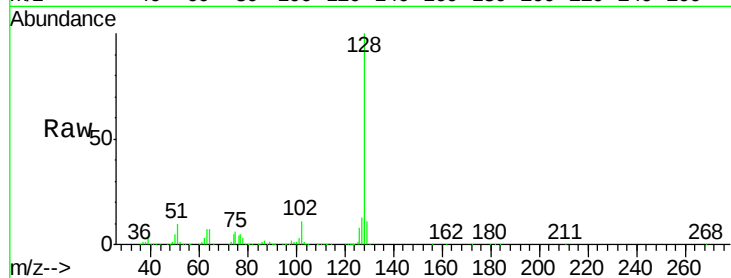
127 13.4 10.2 15.2

129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

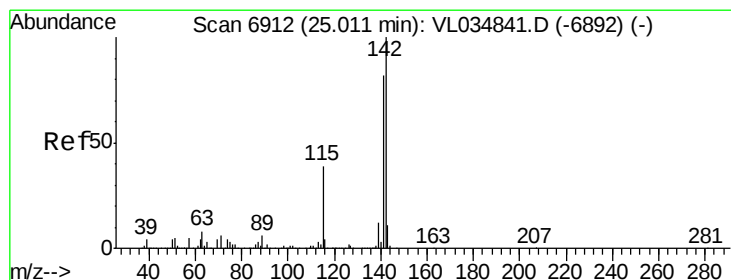
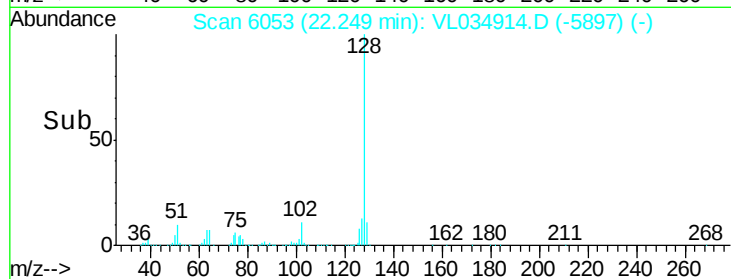
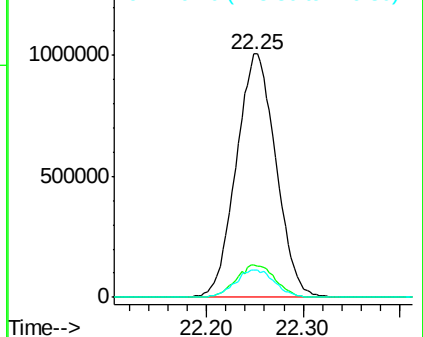
3/18/2020 5:35:39 PM



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: 20.368 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. -0.01 min

Lab File: VL034914.D

Acq: 17 Mar 2020 12:49

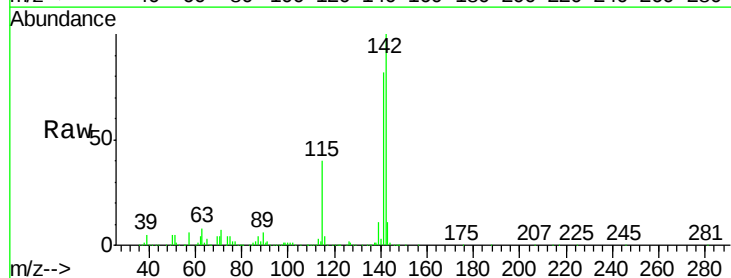
Tgt Ion:142 Resp: 1264007

Ion Ratio Lower Upper

142 100

141 83.1 68.9 103.3

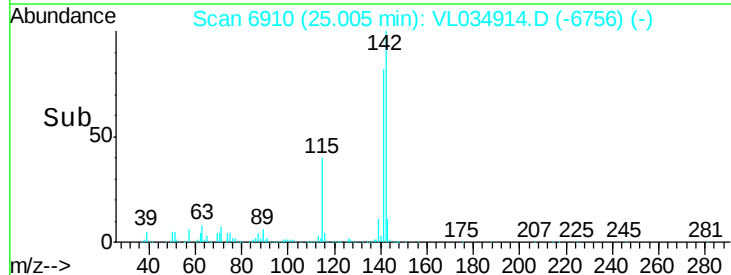
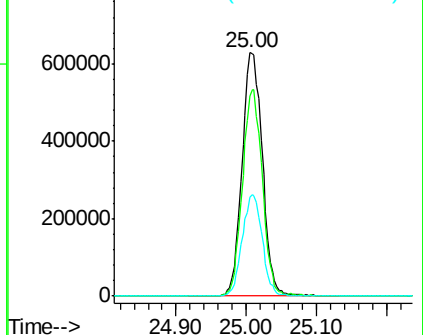
115 41.4 33.2 49.8

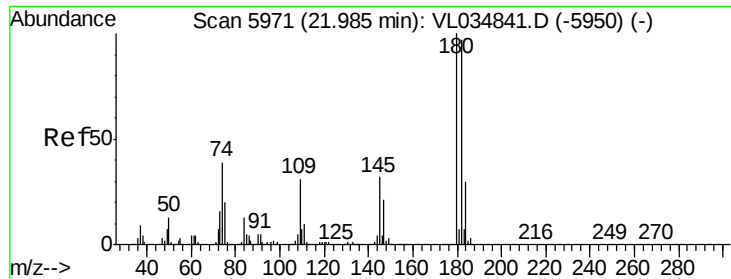


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.907 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034914.D
 Acq: 17 Mar 2020 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	31.0	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:39 PM

