

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035801.D
 Acq On : 3 Nov 2020 11:49
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:13 PM

Quant Time: Nov 04 02:39:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 04
 QLast Update : Tue Nov 03 11:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1340547	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	5516536	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5230015	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3665123	9.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	285208	1.297 ppbv	98
3) Chlorodifluoromethane	2.98	51	173648	1.204 ppbv	98
4) Chloromethane	3.14	50	83279	1.075 ppbv	95
5) Vinyl Chloride	3.25	62	103635	1.131 ppbv	96
6) Bromomethane	3.47	94	85135	1.099 ppbv	96
7) Chloroethane	3.56	64	38752	1.153 ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	319782	1.199 ppbv	99
9) Propene	3.00	41	60530	1.156 ppbv	94
10) Heptane	8.12	43	172565	1.182 ppbv	98
11) Trichlorofluoromethane	3.95	101	340663	1.085 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	250303	1.070 ppbv	99
13) Ethanol	3.61	45	14097m	1.092 ppbv	
14) Bromoethene	3.73	108	115566	1.173 ppbv	99
15) Acetone	3.85	43	158047	1.096 ppbv	# 87
16) 1,3-Butadiene	3.32	39	62755	1.189 ppbv	93
17) tert-Butyl alcohol	4.30	59	213135m	1.356 ppbv	
18) 1,1-Dichloroethene	4.29	96	115019	1.123 ppbv	98
19) Isopropyl Alcohol	3.97	45	100784	1.284 ppbv	100
20) Methylene Chloride	4.34	84	109638	1.035 ppbv	97
21) Allyl Chloride	4.41	41	80251	1.148 ppbv	91
22) trans-1,2-Dichloroethene	4.88	96	109871	1.015 ppbv	96
23) Vinyl Acetate	5.07	43	208972	1.183 ppbv	97
24) 1,1-Dichloroethane	5.01	63	200395	1.041 ppbv	98
25) Ethyl Acetate	5.68	43	305702	1.178 ppbv	98
26) Hexane	5.69	57	163909	1.152 ppbv	98
27) Carbon Disulfide	4.55	76	232932	1.099 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	296429	1.315 ppbv	100
29) Chloroform	5.75	83	323880	1.121 ppbv	94
30) Cyclohexane	7.13	84	179202	1.277 ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	165245	1.204 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	316789	1.244 ppbv	99
34) 2-Butanone	5.25	43	189564	1.039 ppbv	95
35) Carbon Tetrachloride	7.01	117	305896	1.064 ppbv	98
36) Benzene	6.89	78	450995	1.255 ppbv	95
37) 1,2-Dichloroethane	6.30	62	194612	1.039 ppbv	98
38) Trichloroethene	7.83	130	204855	1.142 ppbv	97
39) 1,2-Dichloropropane	7.61	63	146817m	1.127 ppbv	
40) 1,4-Dioxane	7.85	88	71422	1.199 ppbv	95
41) Tetrahydrofuran	6.06	42	104773	1.140 ppbv	95
42) Bromodichloromethane	7.79	83	320694	1.063 ppbv	96
43) Methyl Methacrylate	8.01	69	160097	1.120 ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035801.D
 Acq On : 3 Nov 2020 11:49
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

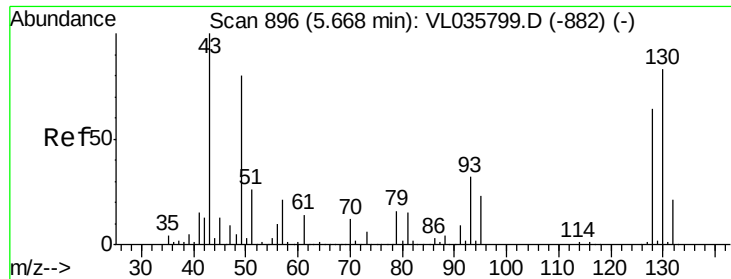
Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:13 PM

Quant Time: Nov 04 02:39:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 04
 QLast Update : Tue Nov 03 11:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	603568	1.170	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	163767	1.135	ppbv	91
46) cis-1,3-Dichloropropene	8.70	75	211429	1.188	ppbv	94
47) 1,1,2-Trichloroethane	9.47	97	201957	1.082	ppbv	96
48) Dibromochloromethane	10.30	129	296600	1.044	ppbv	99
49) Bromoform	13.04	173	248693	1.032	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	288112	1.081	ppbv	98
51) 2-Hexanone	10.15	43	231328	1.077	ppbv #	100
52) Tetrachloroethene	11.22	164	199421	1.154	ppbv	95
53) Toluene	9.81	91	541661	1.278	ppbv	97
54) 1,2-Dibromoethane	10.61	107	309970	1.109	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	251194	1.145	ppbv #	1
57) Chlorobenzene	12.15	112	467297	1.183	ppbv	95
58) Ethyl Benzene	12.72	91	694597	1.323	ppbv	97
59) m/p-Xylene	13.00	91	1192852m	2.602	ppbv	
60) o-Xylene	13.70	91	582413	1.256	ppbv	100
61) Styrene	13.53	104	393221	1.226	ppbv	96
62) Isopropylbenzene	14.68	105	930536	1.294	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.68	83	419782	1.104	ppbv	99
64) n-propylbenzene	15.57	120	257268	1.222	ppbv	84
65) tert-Butylbenzene	16.75	119	848214	1.297	ppbv	93
66) Benzyl Chloride	17.00	91	222779	1.124	ppbv	98
67) sec-Butylbenzene	17.30	105	1150747	1.274	ppbv	95
69) p-Isopropyltoluene	17.66	119	922878	1.256	ppbv	95
70) n-Butylbenzene	18.56	91	883296	1.167	ppbv	96
71) 2-Chlorotoluene	15.46	91	650821	1.240	ppbv	99
72) 4-Ethyltoluene	15.84	105	680601	1.239	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	630456	1.214	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	695009	1.188	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	452952	1.134	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	409132	1.071	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	428394	1.135	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	202792	0.974	ppbv	98
79) Naphthalene	22.22	128	430195	0.771	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	47155	0.358	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	256883	0.888	ppbv	98

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



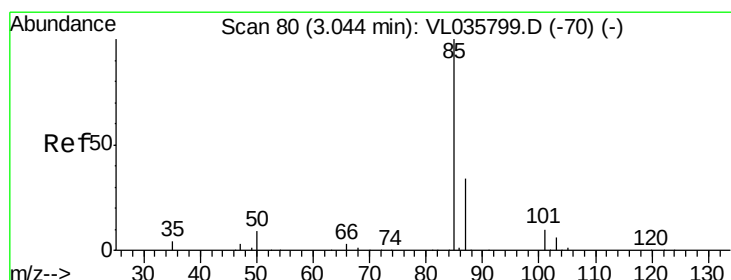
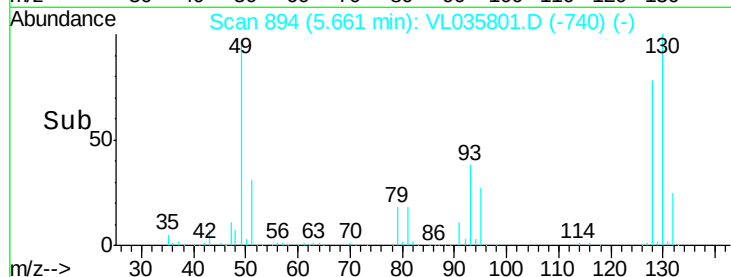
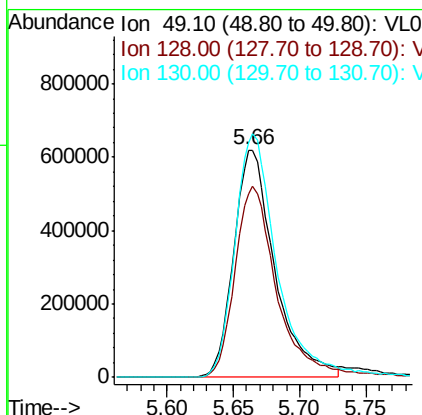
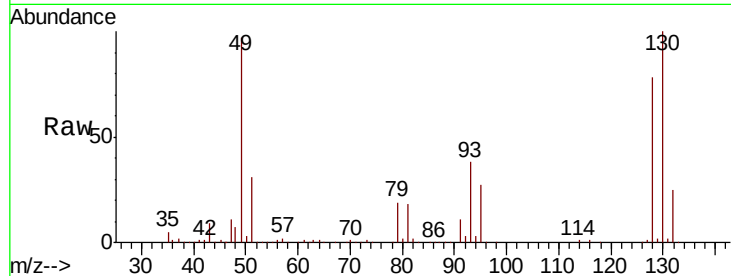
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 49 Resp: 1340547
Ion Ratio Lower Upper
49 100
128 87.3 41.5 124.6
130 112.2 53.7 161.1

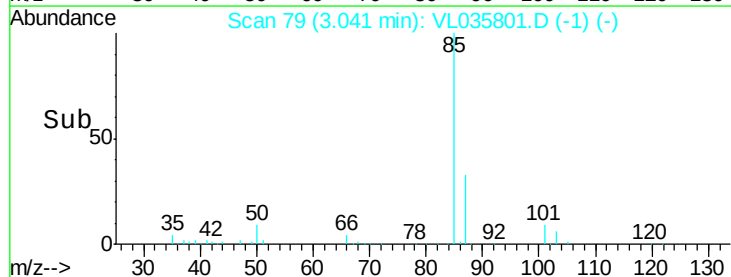
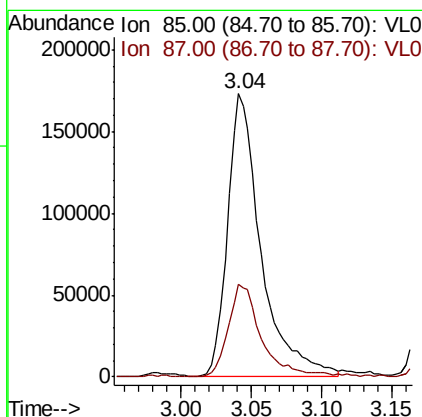
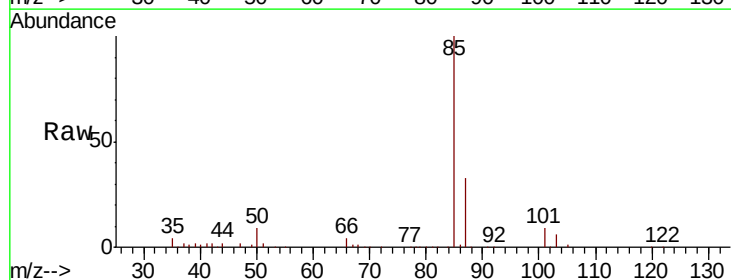
Manual Integrations
APPROVED

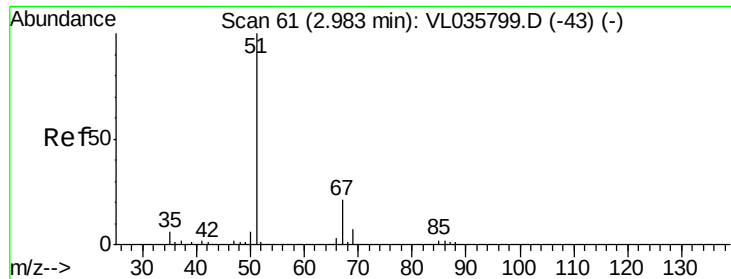
MMDadoda
11/5/2020 2:13:13 PM



#2
Dichlorodifluoromethane
Concen: 1.297 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion: 85 Resp: 285208
Ion Ratio Lower Upper
85 100
87 32.6 27.1 40.7





#3

Chlorodifluoromethane

Concen: 1.204 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 173648

Ion Ratio Lower Upper

51 100

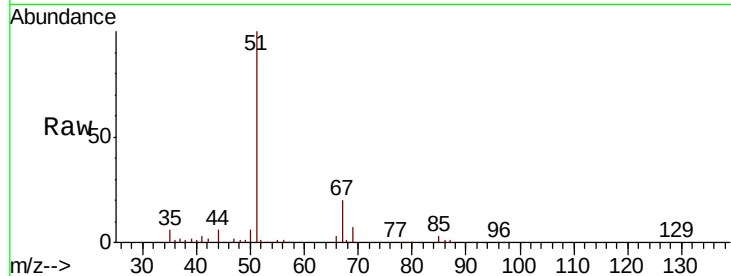
67 20.1 17.0 25.4

Manual Integrations

APPROVED

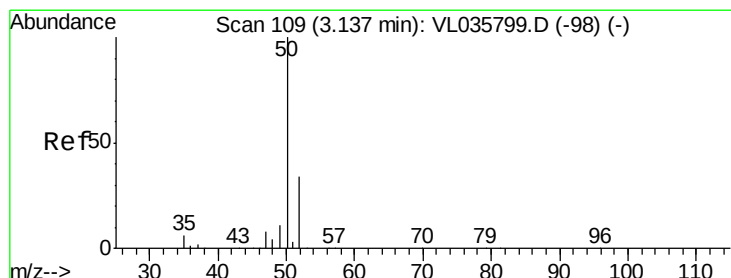
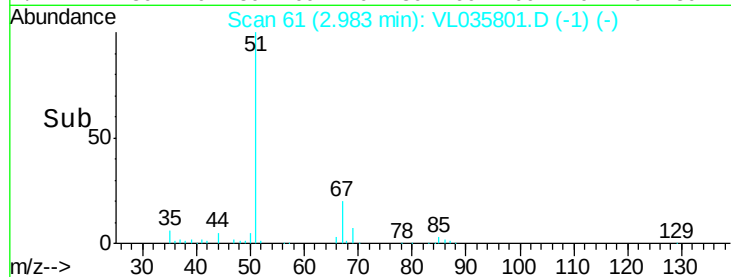
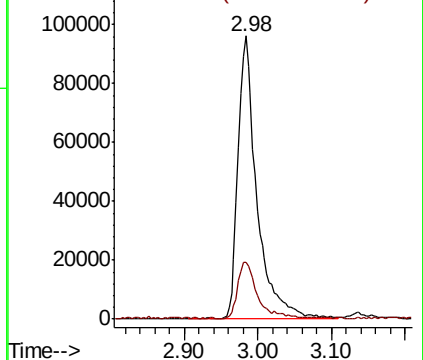
MMDadoda

11/5/2020 2:13:13 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.075 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035801.D

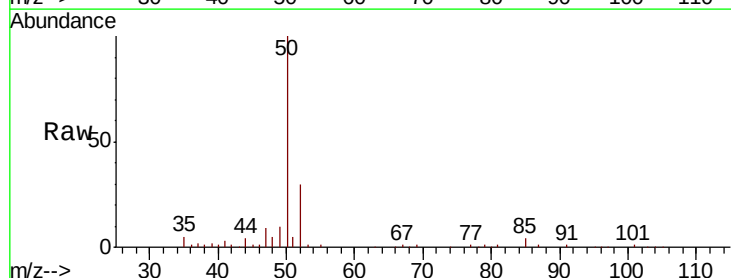
Acq: 3 Nov 2020 11:49

Tgt Ion: 50 Resp: 83279

Ion Ratio Lower Upper

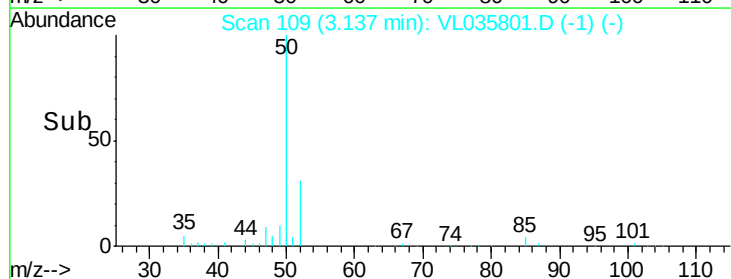
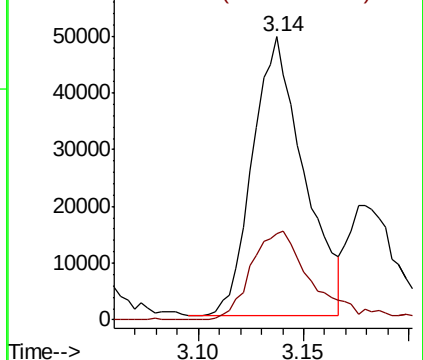
50 100

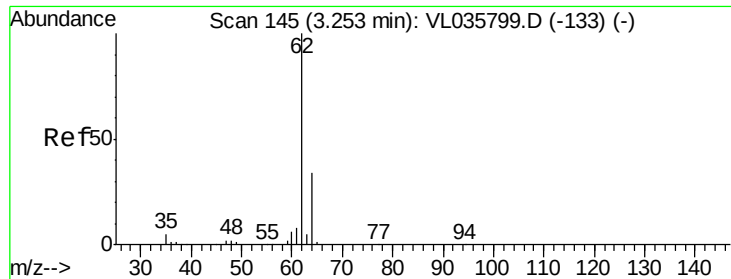
52 30.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.131 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 103635

Ion Ratio Lower Upper

62 100

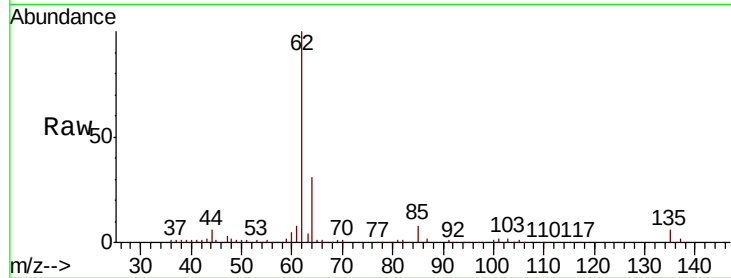
64 31.1 26.9 40.3

Manual Integrations

APPROVED

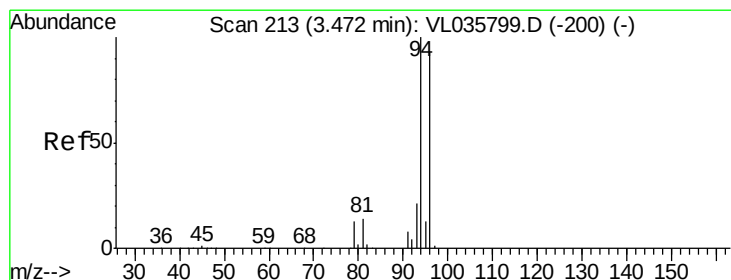
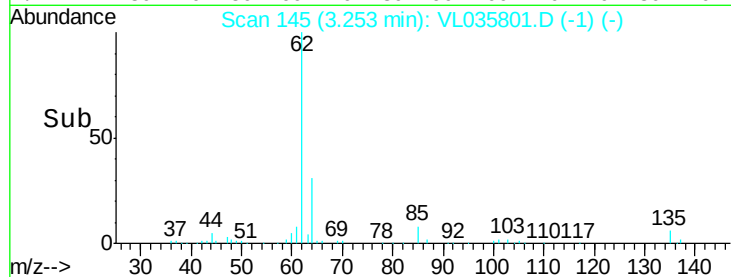
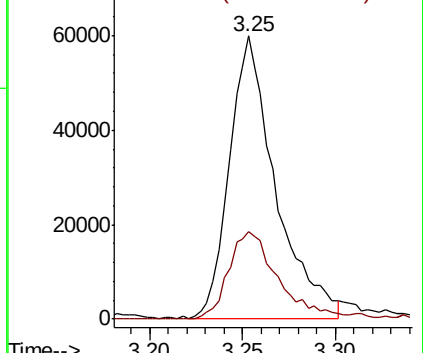
MMDadoda

11/5/2020 2:13:13 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.099 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035801.D

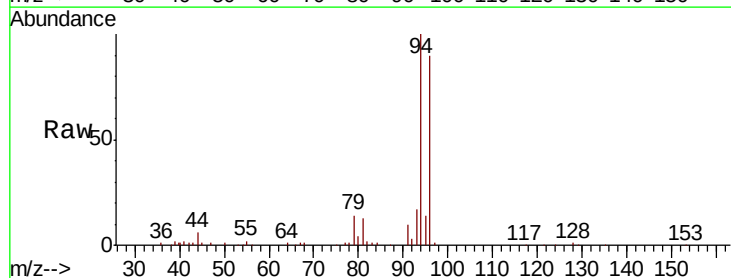
Acq: 3 Nov 2020 11:49

Tgt Ion: 94 Resp: 85135

Ion Ratio Lower Upper

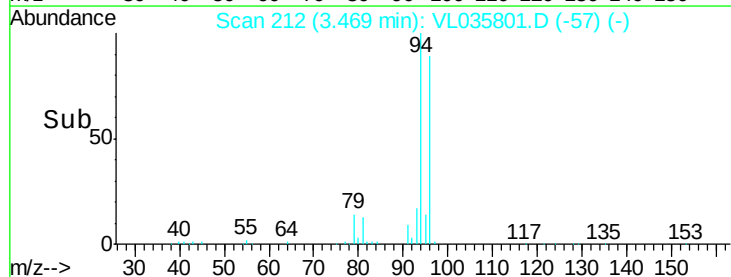
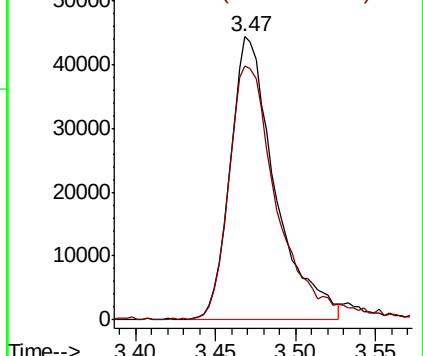
94 100

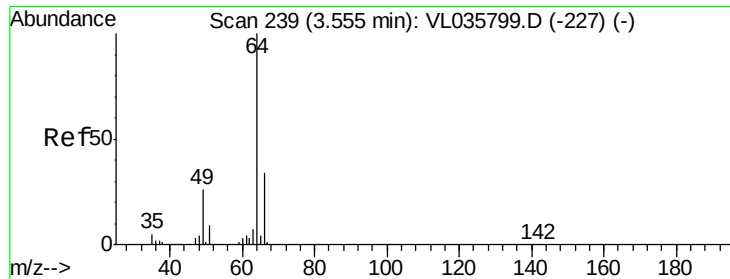
96 89.6 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.153 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 38752

Ion Ratio Lower Upper

64 100

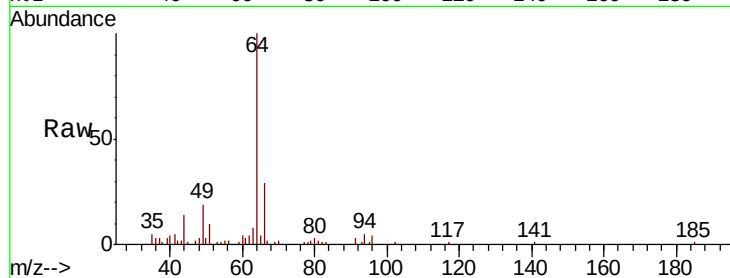
66 29.4 27.0 40.6

Manual Integrations

APPROVED

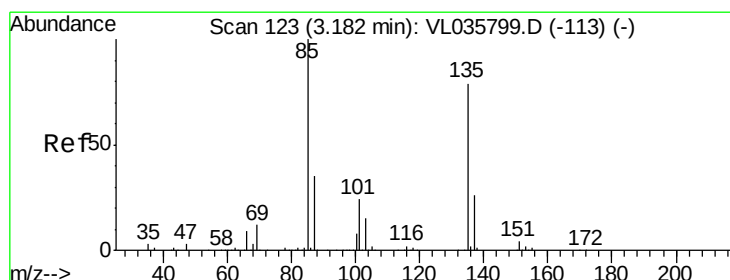
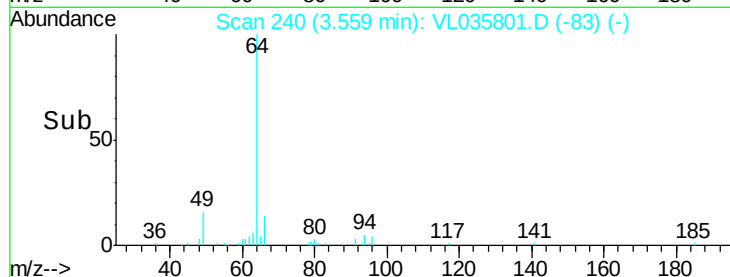
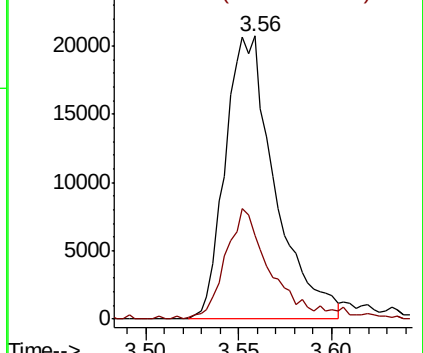
MMDadoda

11/5/2020 2:13:13 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.199 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035801.D

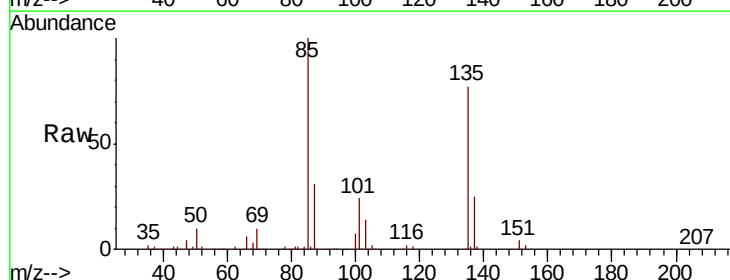
Acq: 3 Nov 2020 11:49

Tgt Ion: 85 Resp: 319782

Ion Ratio Lower Upper

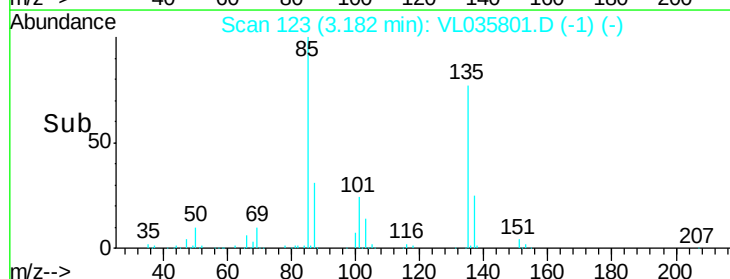
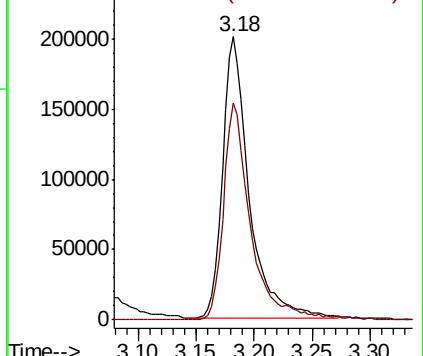
85 100

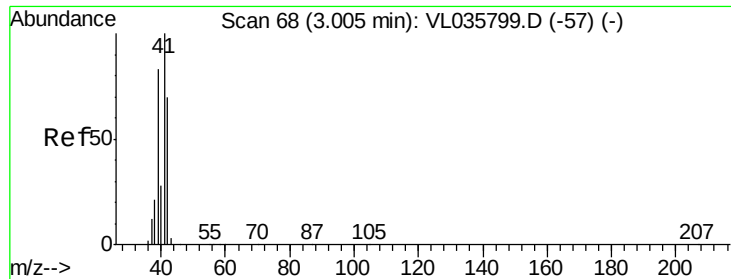
135 79.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.156 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 60530

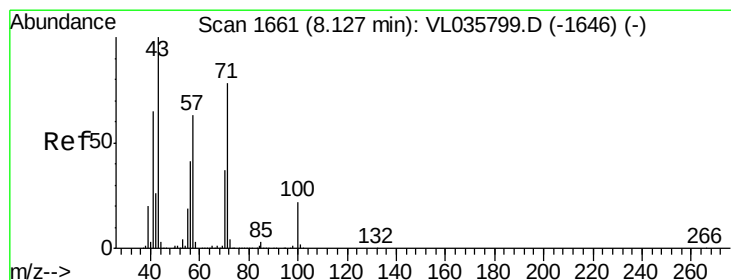
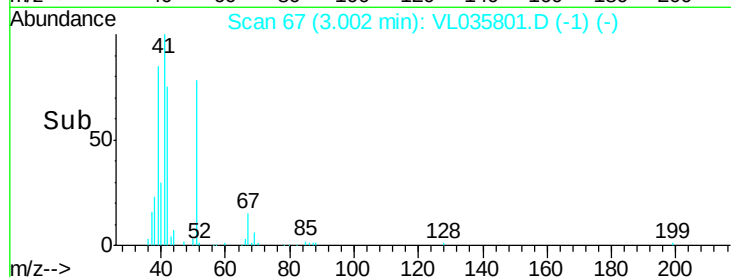
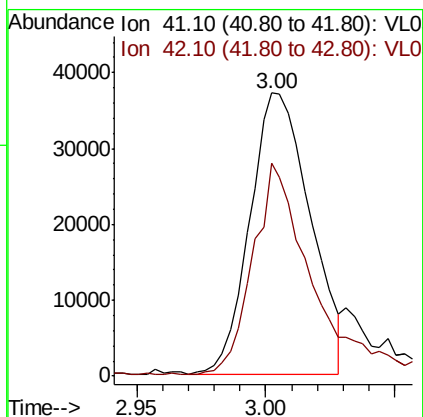
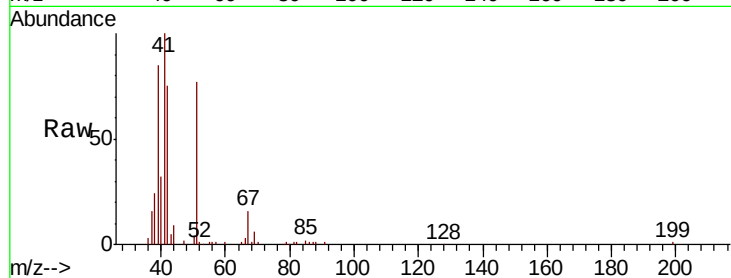
Ion Ratio Lower Upper

41 100

42 74.9 56.2 84.4

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#10

Heptane

Concen: 1.182 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL035801.D

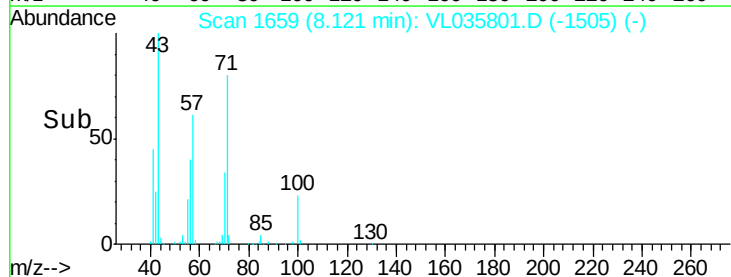
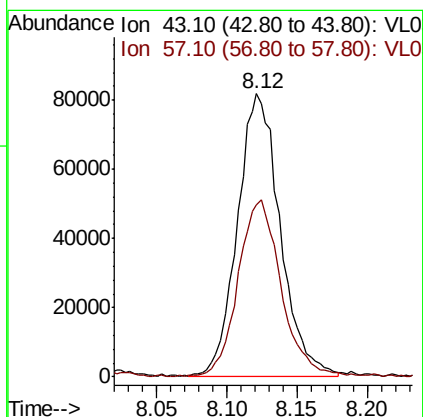
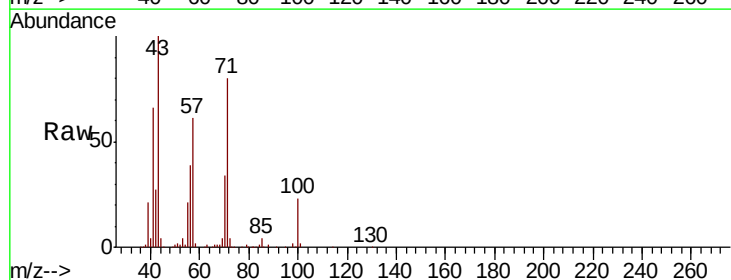
Acq: 3 Nov 2020 11:49

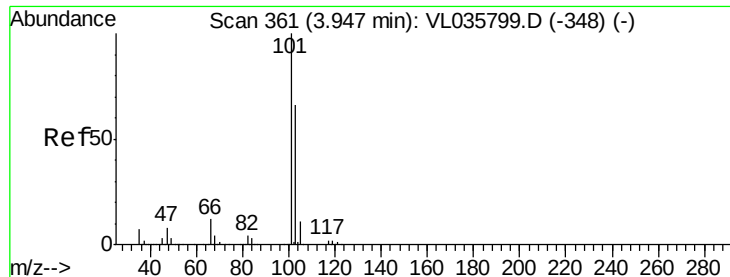
Tgt Ion: 43 Resp: 172565

Ion Ratio Lower Upper

43 100

57 64.1 50.0 75.0





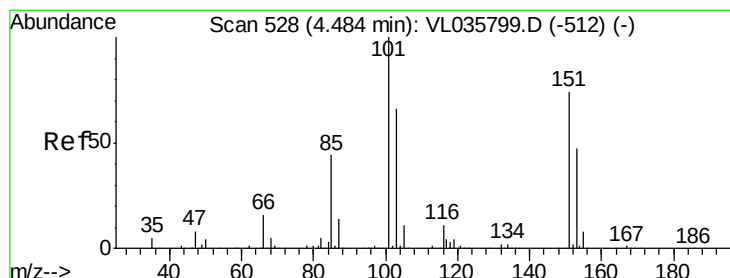
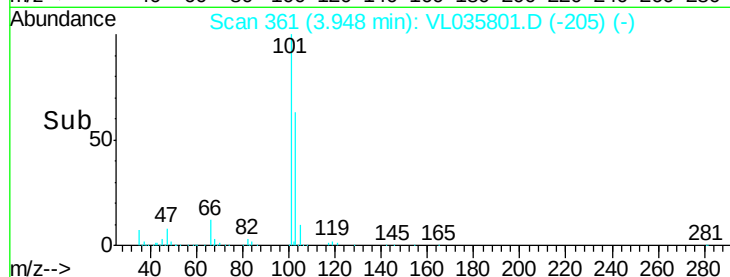
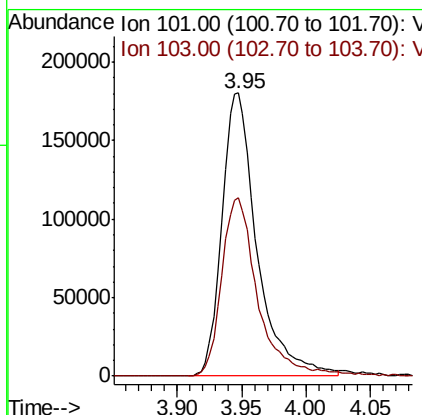
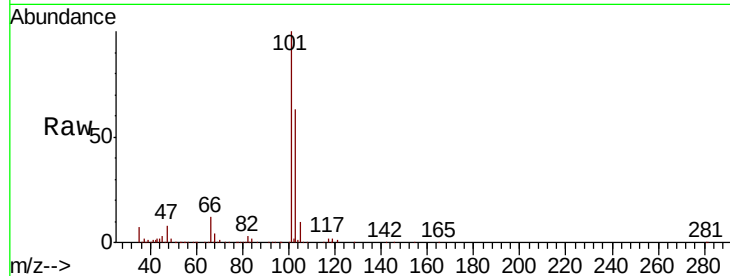
#11
 Trichlorofluoromethane
 Concen: 1.085 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		340663		
103	62.6	53.0	79.4		

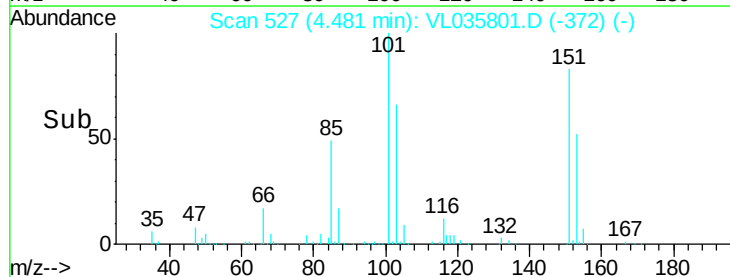
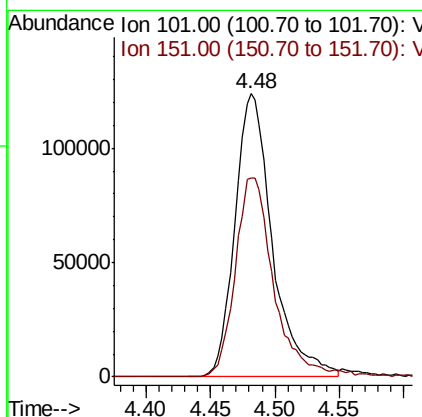
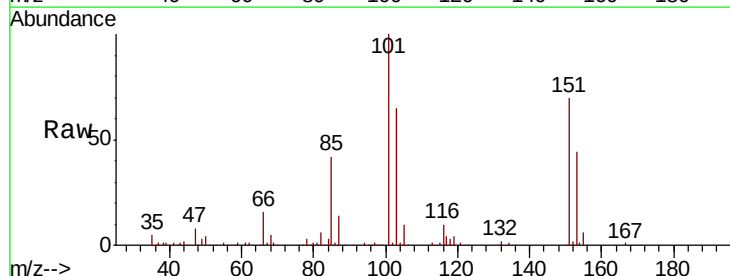
Manual Integrations
 APPROVED

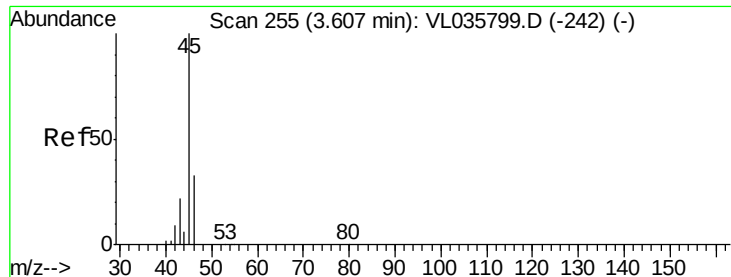
MMDadoda
 11/5/2020 2:13:13 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.070 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		250303		
151	73.1	58.9	88.3		





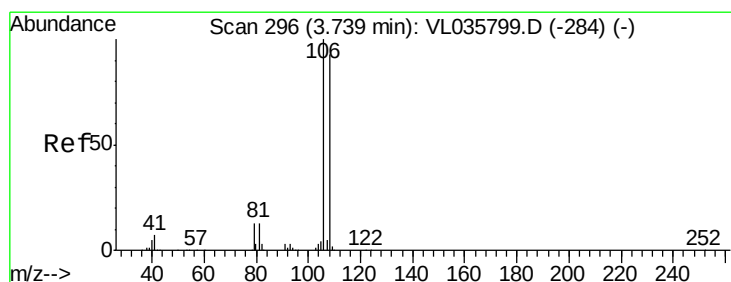
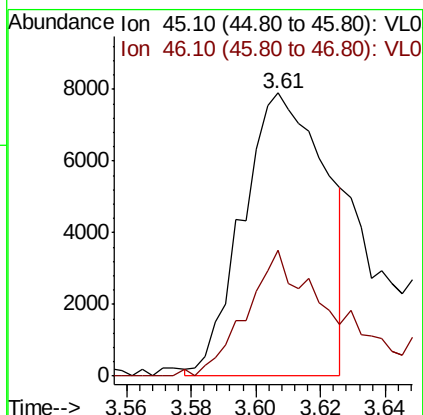
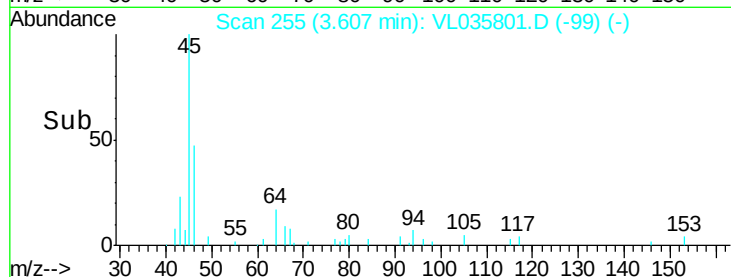
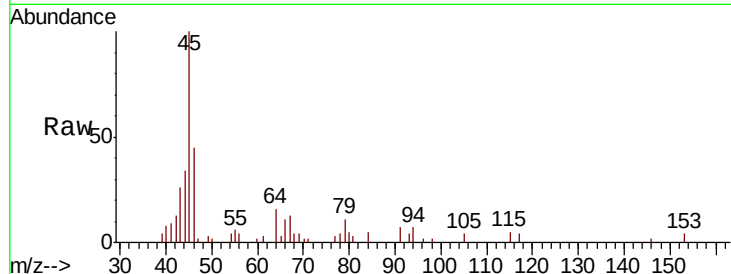
#13
Ethanol
Concen: 1.092 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 14097
Ion Ratio Lower Upper
45 100
46 54.7 16.1 64.5

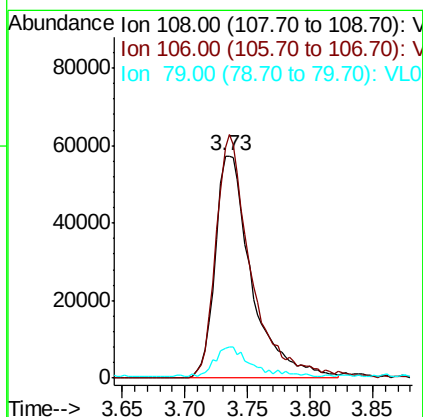
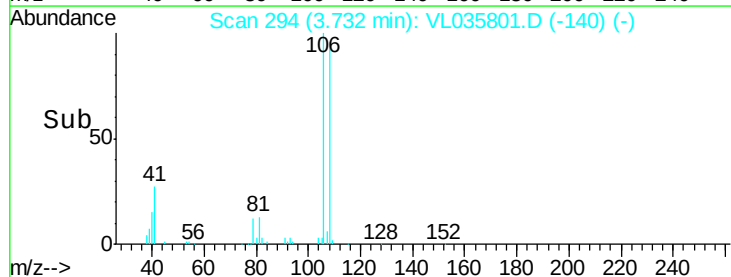
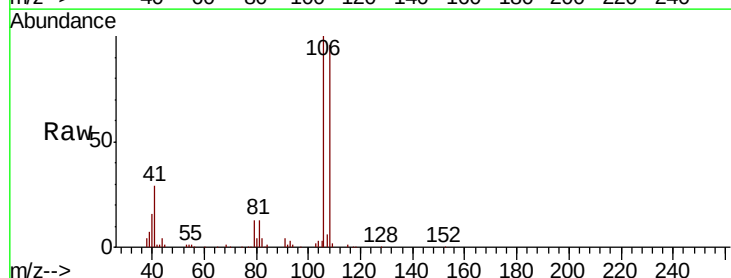
Manual Integrations
APPROVED

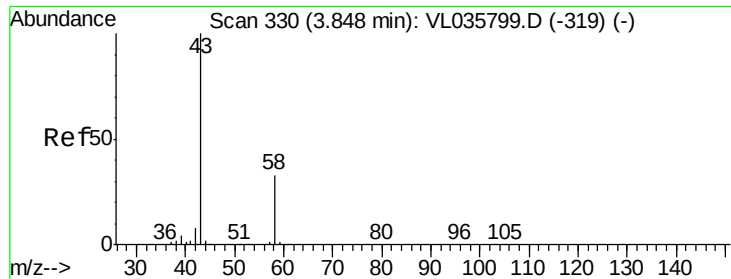
MMDadoda
11/5/2020 2:13:13 PM



#14
Bromoethene
Concen: 1.173 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion: 108 Resp: 115566
Ion Ratio Lower Upper
108 100
106 107.2 85.3 127.9
79 14.4 11.6 17.4





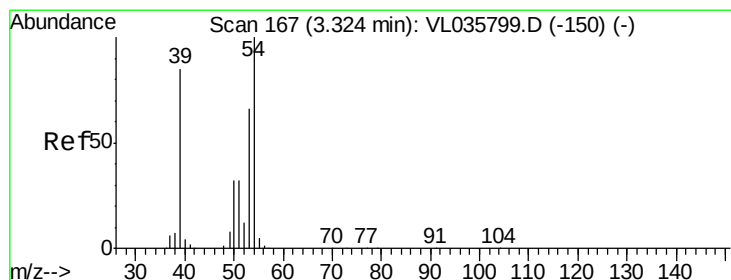
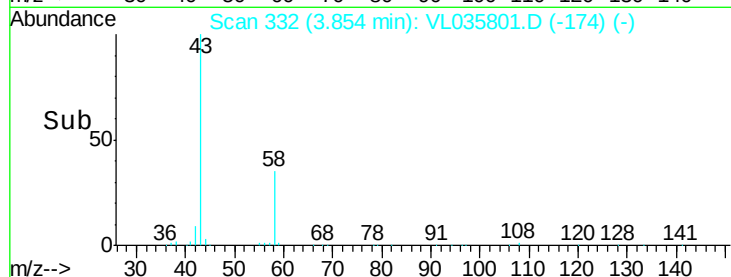
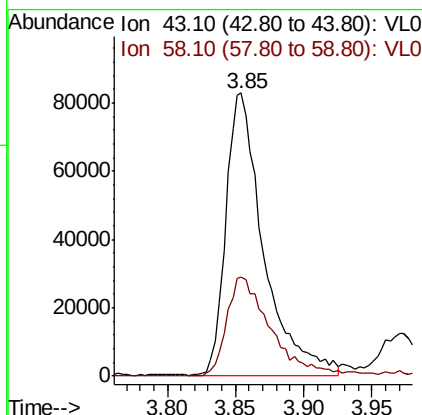
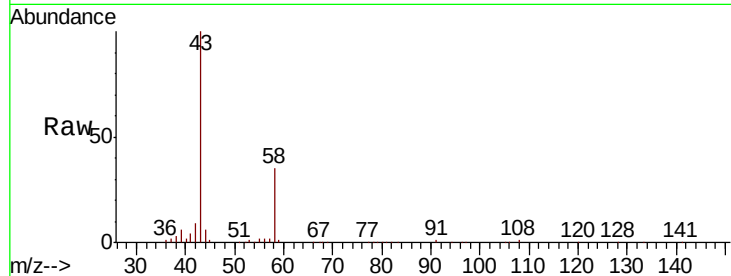
#15
Acetone
Concen: 1.096 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 158047
Ion Ratio Lower Upper
43 100
58 41.7 27.5 41.3#

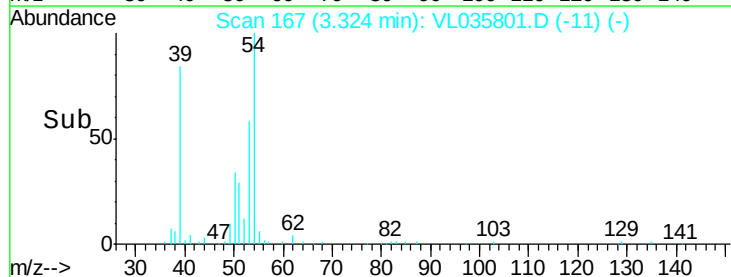
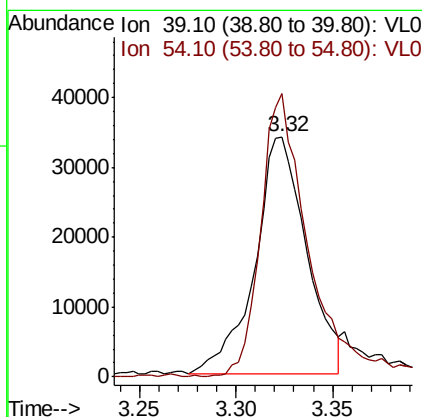
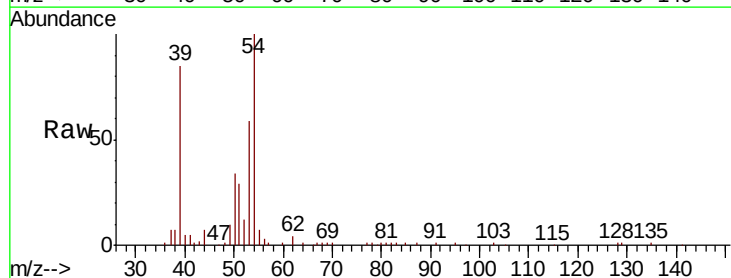
Manual Integrations
APPROVED

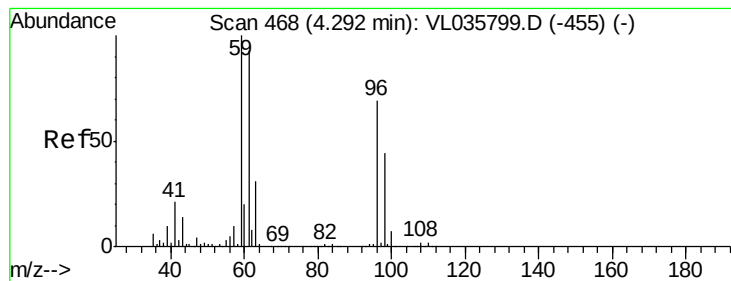
MMDadoda
11/5/2020 2:13:13 PM



#16
1,3-Butadiene
Concen: 1.189 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion: 39 Resp: 62755
Ion Ratio Lower Upper
39 100
54 115.8 87.1 130.7





#17

tert-Butyl alcohol

Concen: 1.356 ppbv m

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC001

Tot Ion: 59 Resp: 213135

Ion Ratio Lower Upper

59 100

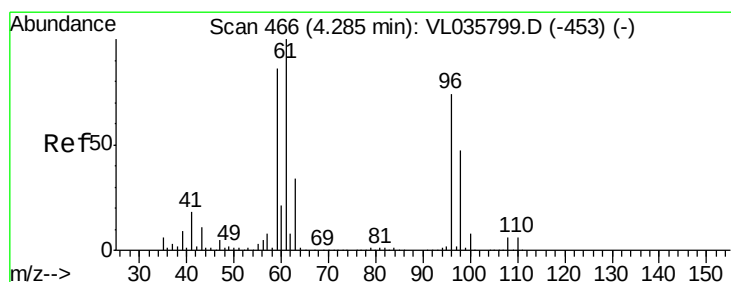
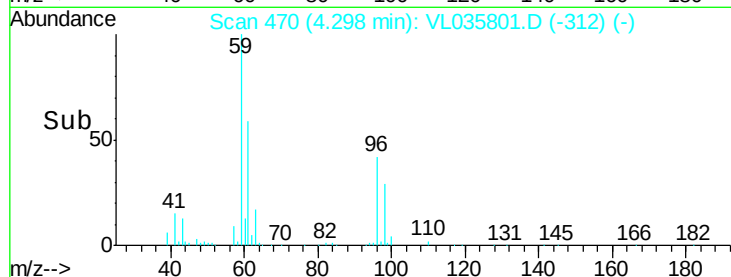
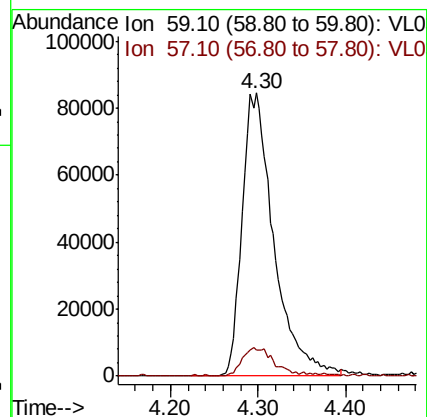
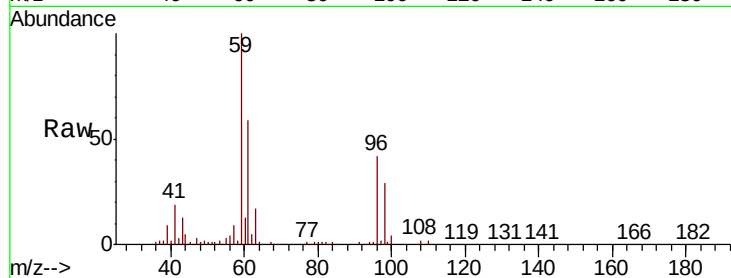
57 10.4 8.2 12.4

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:13:13 PM



#18

1,1-Dichloroethene

Concen: 1.123 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

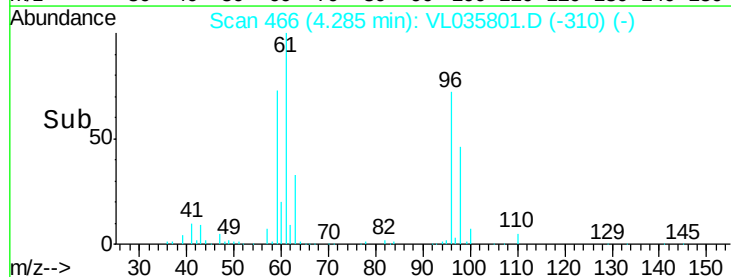
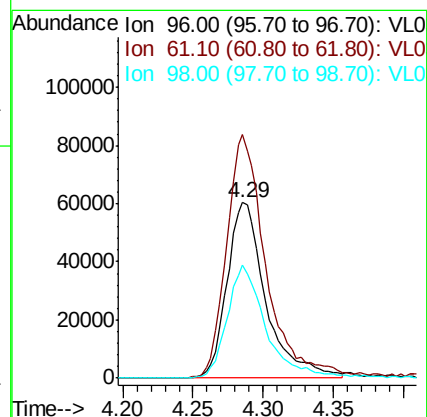
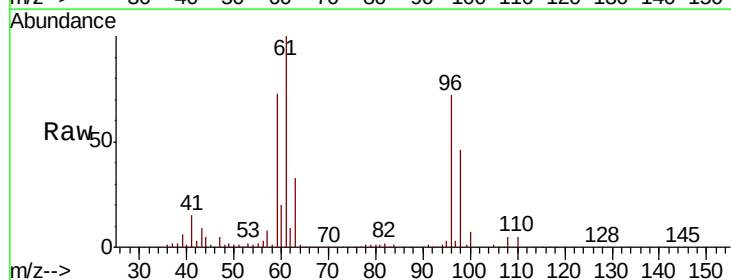
Tgt Ion: 96 Resp: 115019

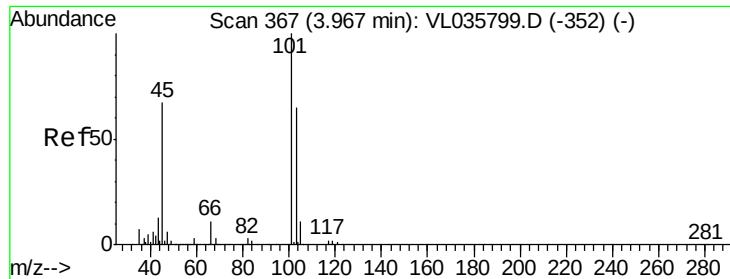
Ion Ratio Lower Upper

96 100

61 138.4 108.5 162.7

98 64.6 50.7 76.1





#19

Isopropyl Alcohol

Concen: 1.284 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 100784

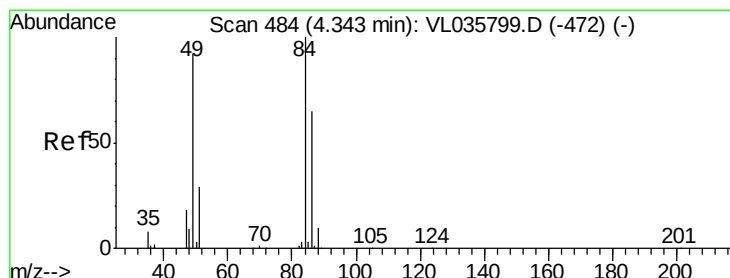
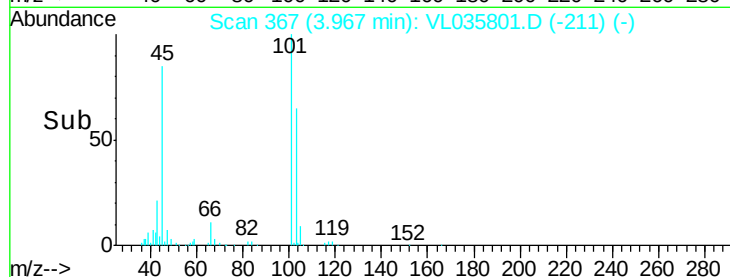
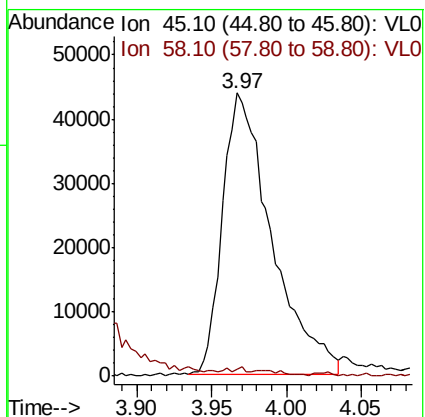
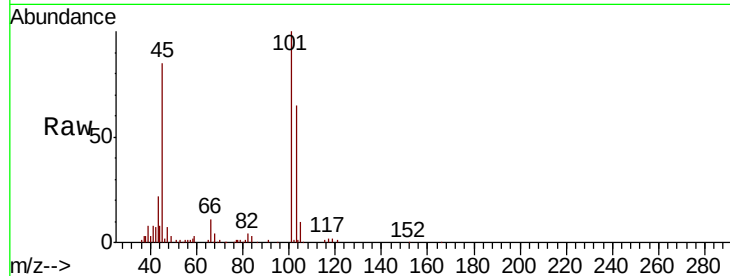
Ion Ratio Lower Upper

45 100

58 3.1 2.6 3.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#20

Methylene Chloride

Concen: 1.035 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion: 84 Resp: 109638

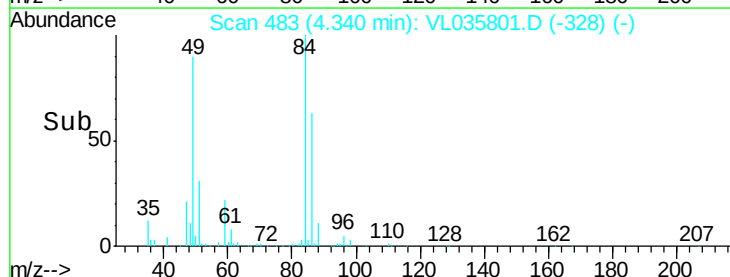
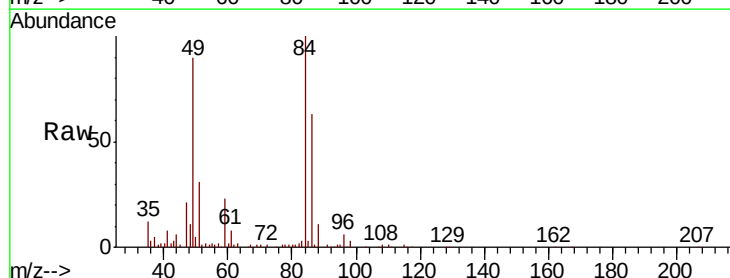
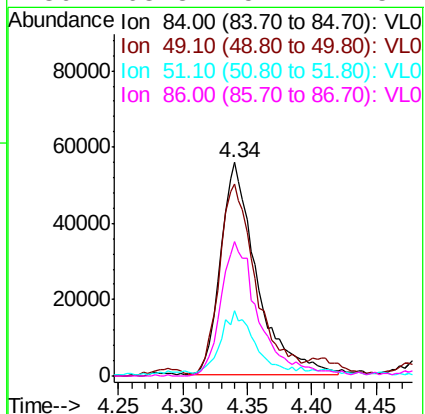
Ion Ratio Lower Upper

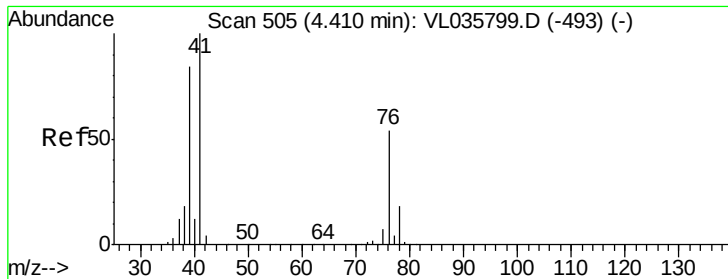
84 100

49 88.9 73.8 110.8

51 29.0 23.0 34.4

86 63.3 52.1 78.1





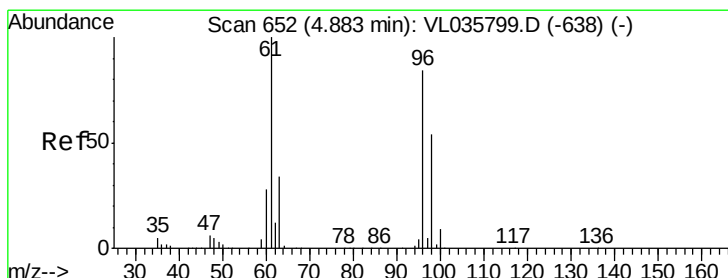
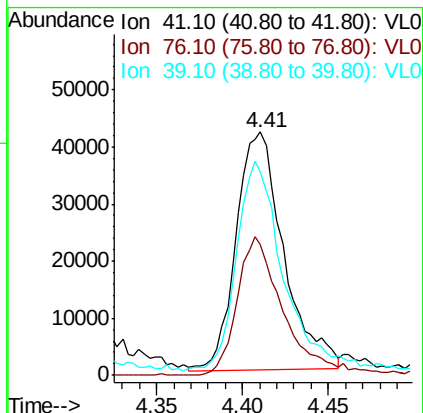
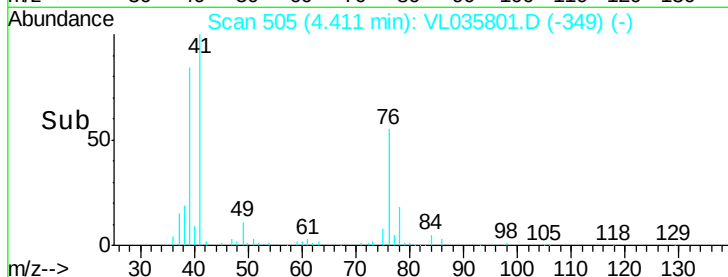
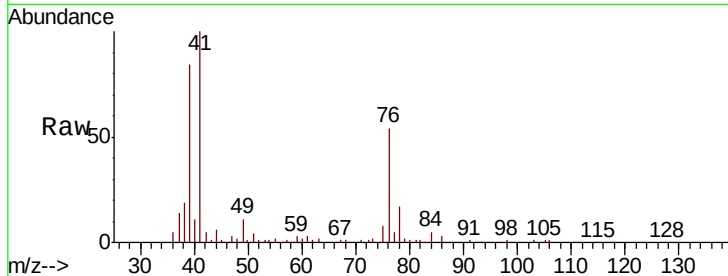
#21
Allvl Chloride
Concen: 1.148 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	57.5	42.6	63.8
39	93.2	67.0	100.4

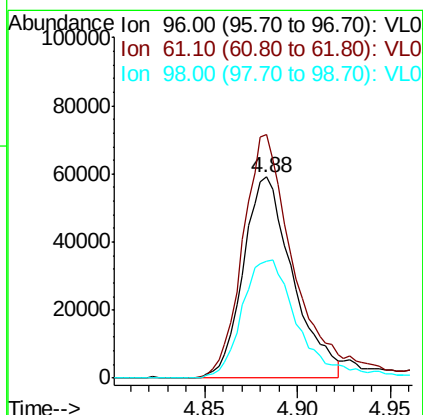
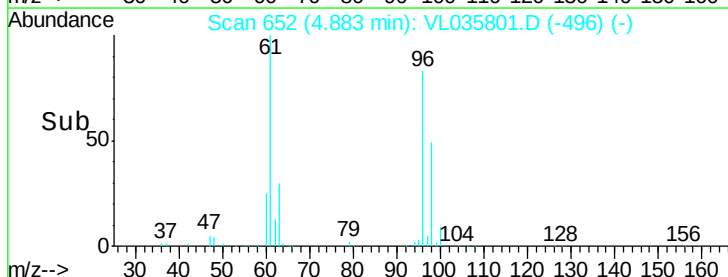
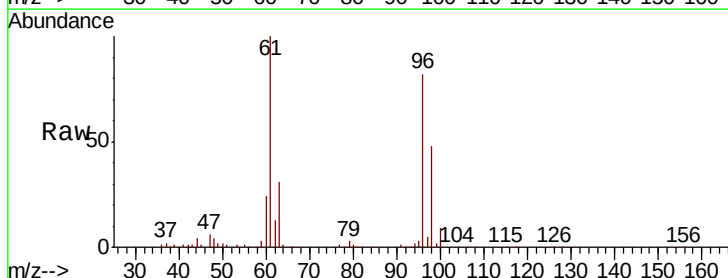
Manual Integrations
APPROVED

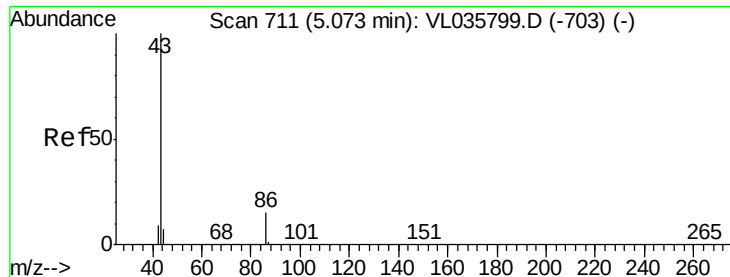
MMDadoda
11/5/2020 2:13:13 PM



#22
trans-1,2-Dichloroethene
Concen: 1.015 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.3	95.4	143.0
98	58.5	51.8	77.6





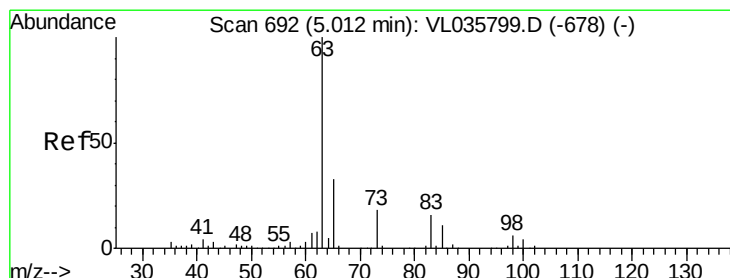
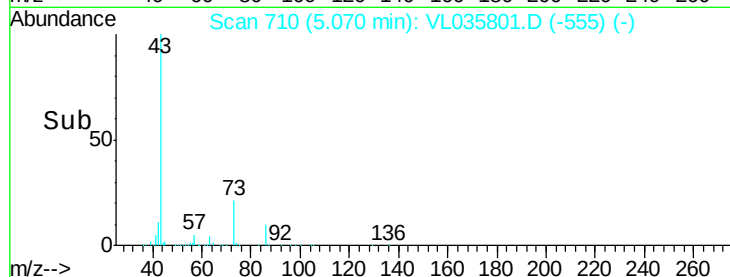
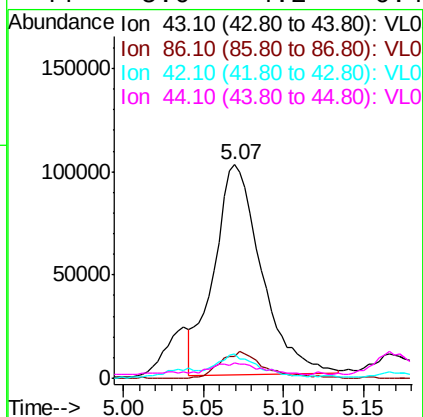
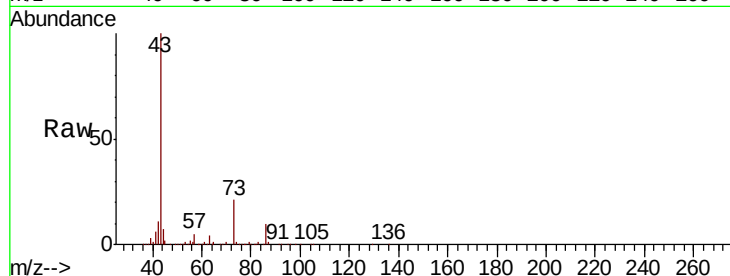
#23
 Vinyl Acetate
 Concen: 1.183 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	208972
Ion Ratio	Lower	Upper	
43	100		
86	10.4	9.8	14.6
42	11.2	8.1	12.1
44	5.0	4.2	6.4

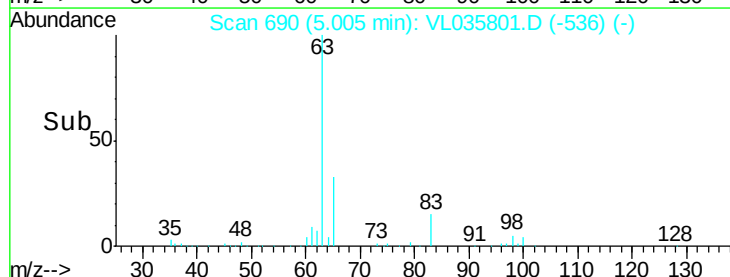
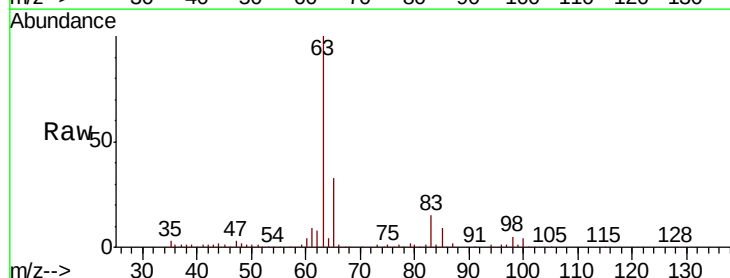
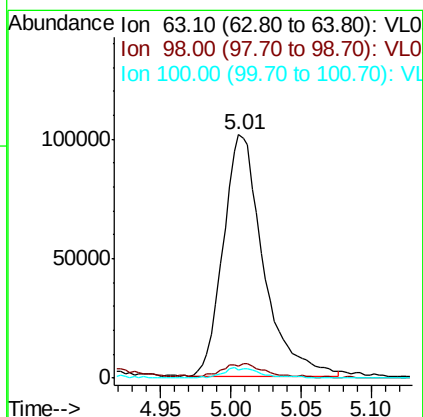
Manual Integrations
 APPROVED

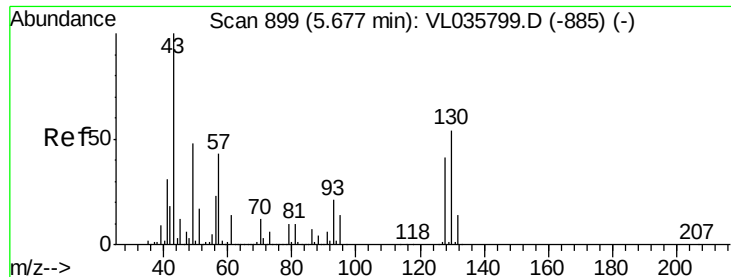
MMDadoda
 11/5/2020 2:13:13 PM



#24
 1,1-Dichloroethane
 Concen: 1.041 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	63	Resp	200395
Ion Ratio	Lower	Upper	
63	100		
98	5.0	3.0	9.2
100	3.6	1.8	5.4





#25

Ethyl Acetate

Concen: 1.178 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

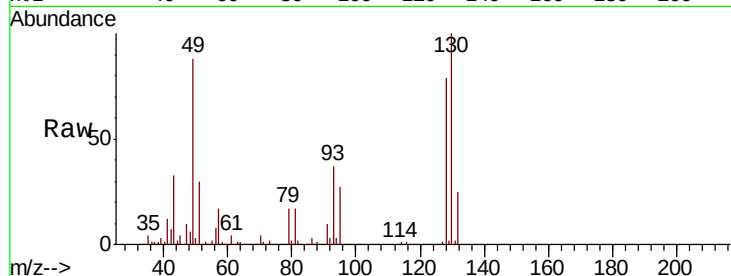
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.5	12.7
61	12.9	10.7	16.1
70	12.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



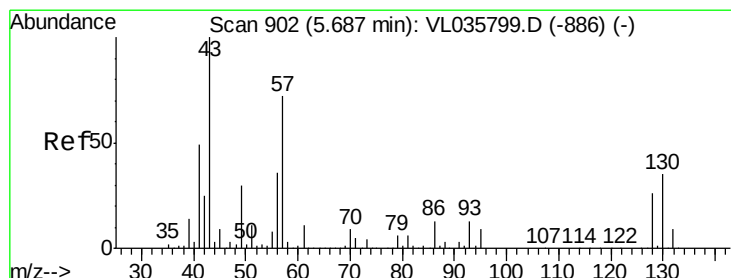
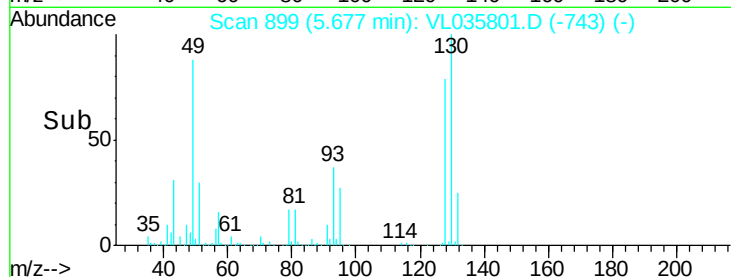
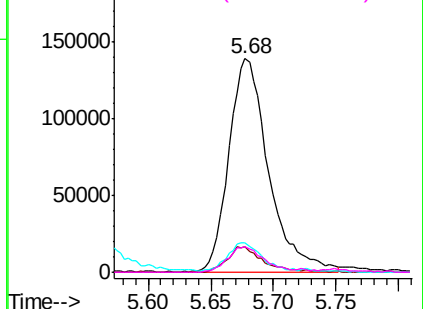
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.152 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	76.4	58.9	88.3
43	189.7	150.2	225.2
56	55.0	42.4	63.6

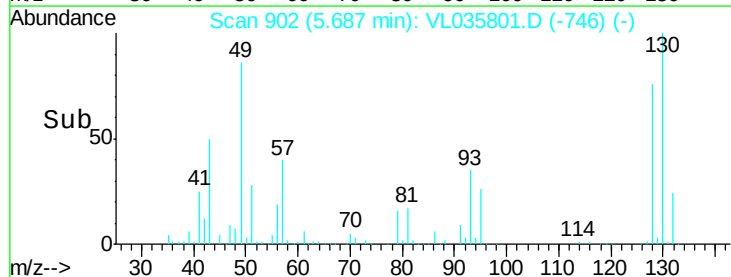
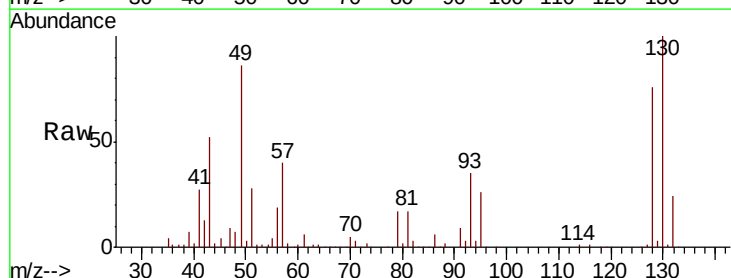
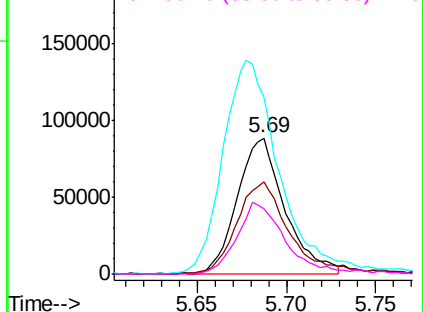
Abundance

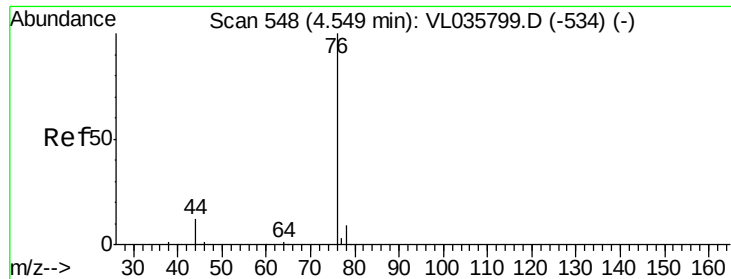
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





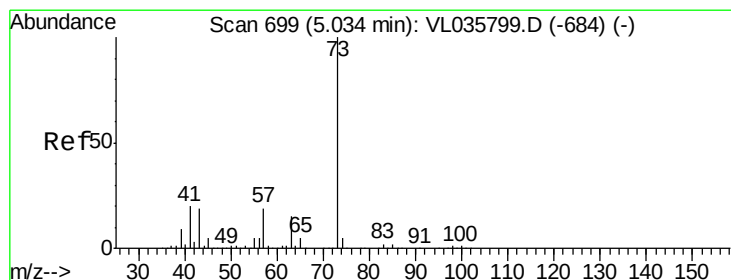
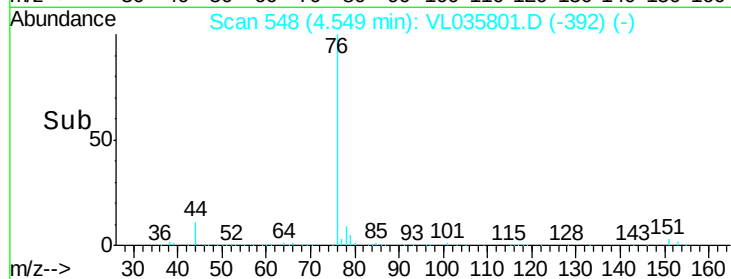
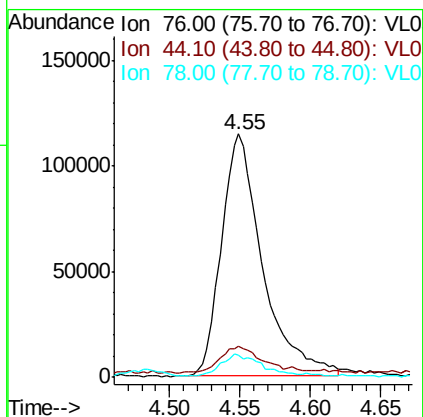
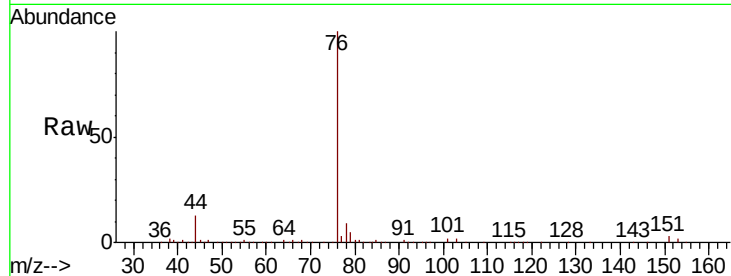
#27
Carbon Disulfide
Concen: 1.099 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	12.3	9.9	14.9
78	9.7	8.1	12.1

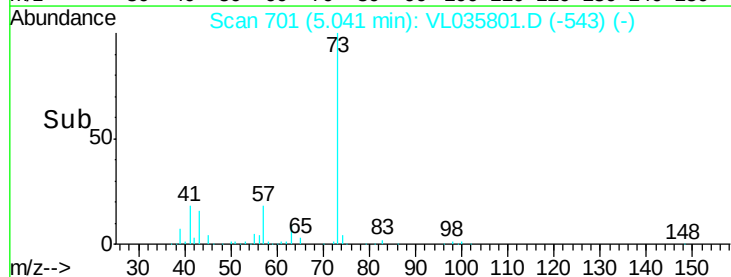
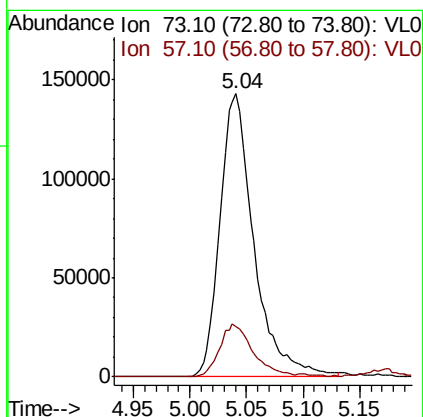
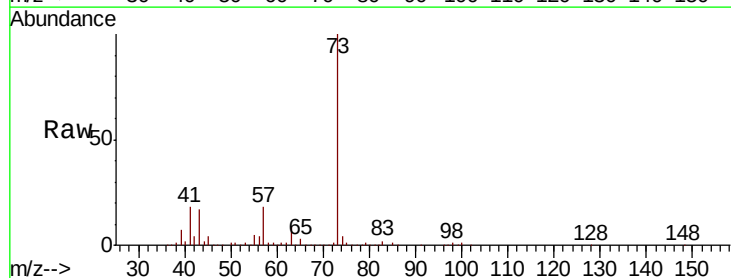
Manual Integrations
APPROVED

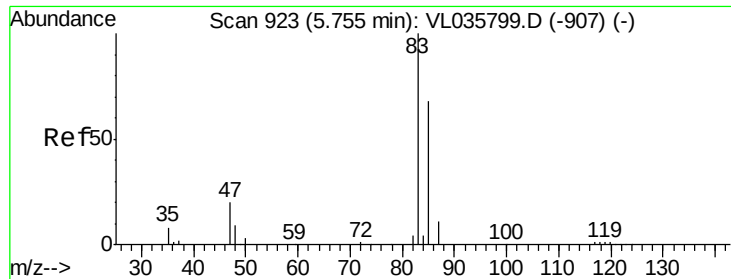
MMDadoda
11/5/2020 2:13:13 PM



#28
Methyl tert-Butyl Ether
Concen: 1.315 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.2	15.4	23.2





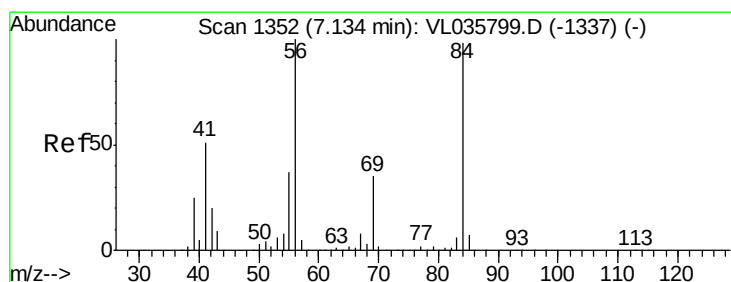
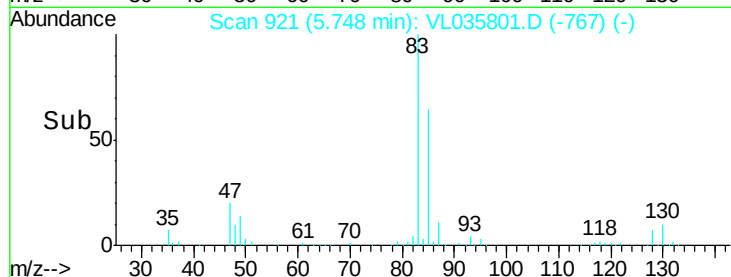
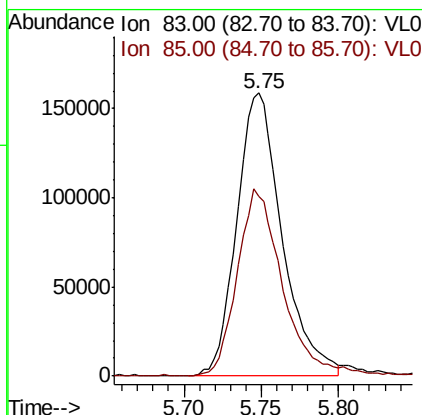
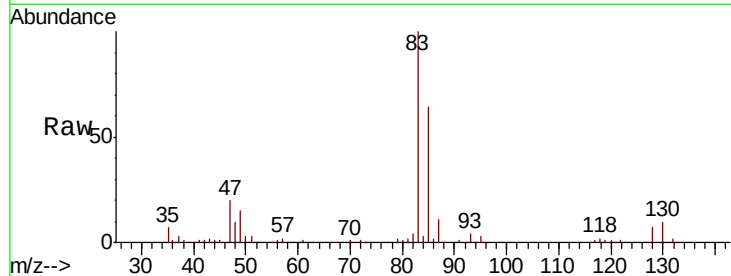
#29
Chloroform
Concen: 1.121 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	323880
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	54.6	81.8

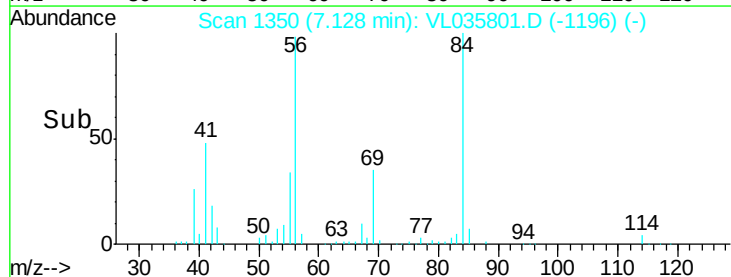
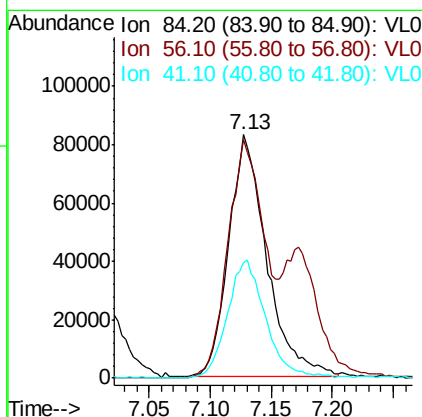
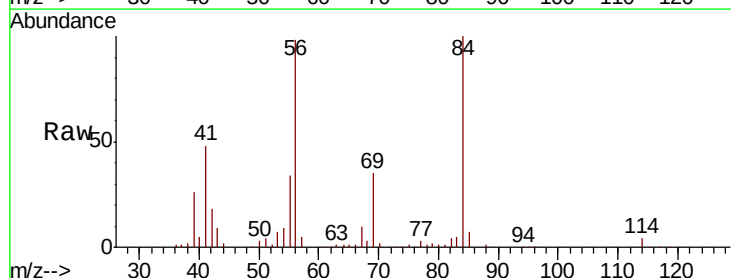
Manual Integrations
APPROVED

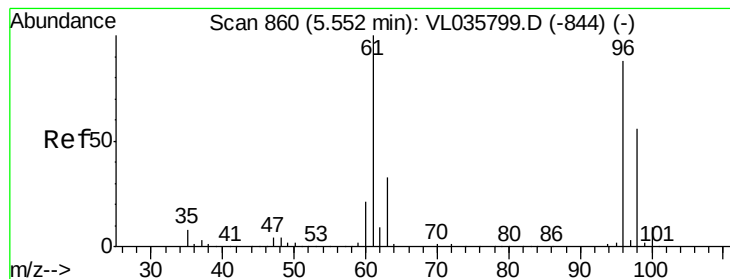
MMDadoda
11/5/2020 2:13:13 PM



#30
Cyclohexane
Concen: 1.277 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	84	Resp	179202
Ion Ratio	100	Lower	Upper
84	100		
56	97.2	86.4	129.6
41	50.3	42.1	63.1





#31

cis-1,2-Dichloroethene

Concen: 1.204 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 61 Resp: 165245

Ion Ratio Lower Upper

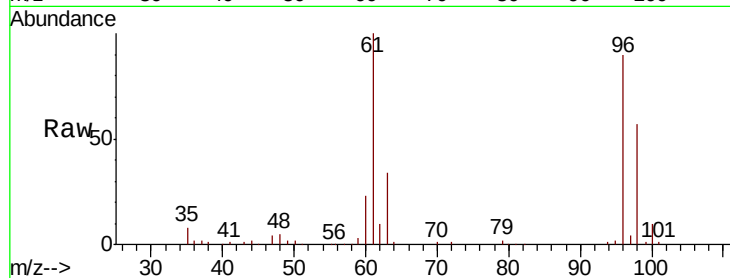
61 100

96 90.2 70.3 105.5

98 56.8 45.0 67.6

Manual Integrations
APPROVED

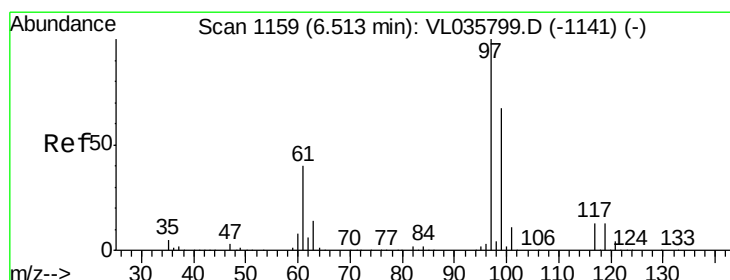
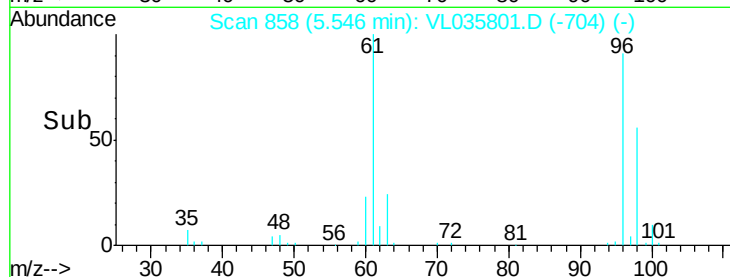
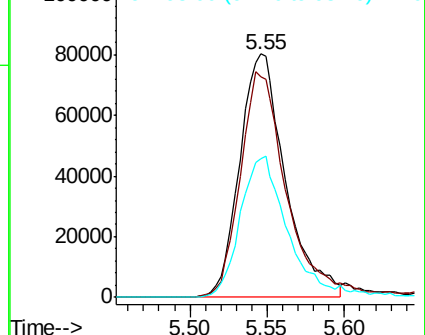
MMDadoda
11/5/2020 2:13:13 PM



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.244 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

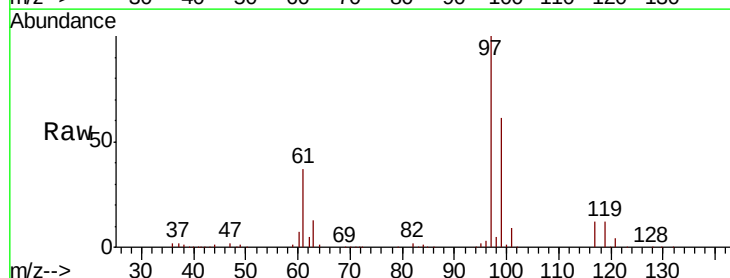
Tgt Ion: 97 Resp: 316789

Ion Ratio Lower Upper

97 100

99 64.5 52.3 78.5

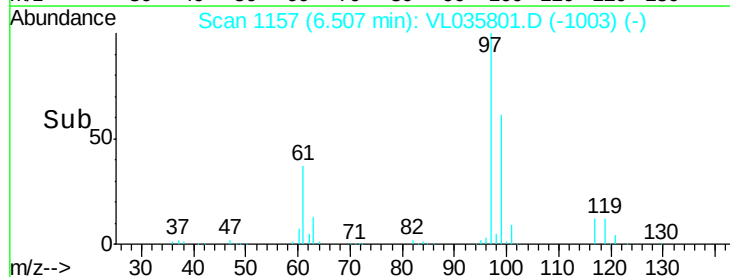
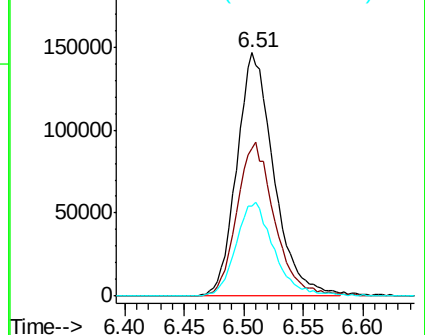
61 39.8 32.0 48.0

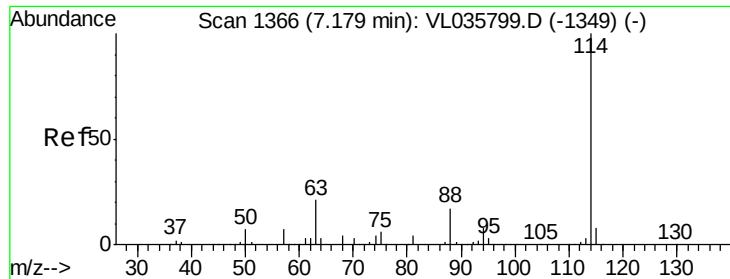


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





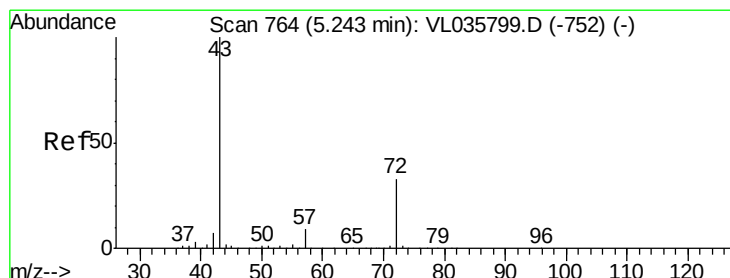
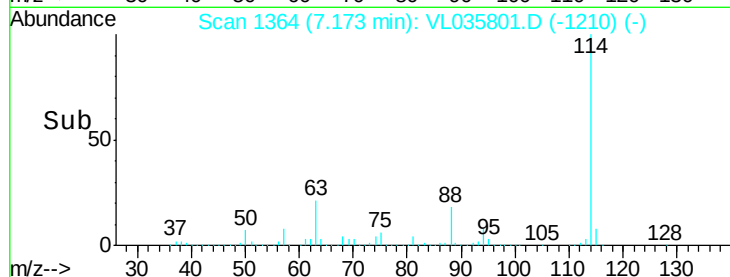
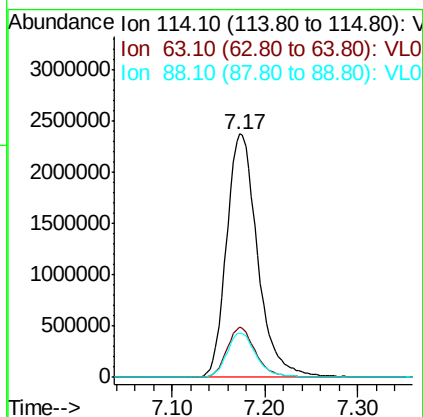
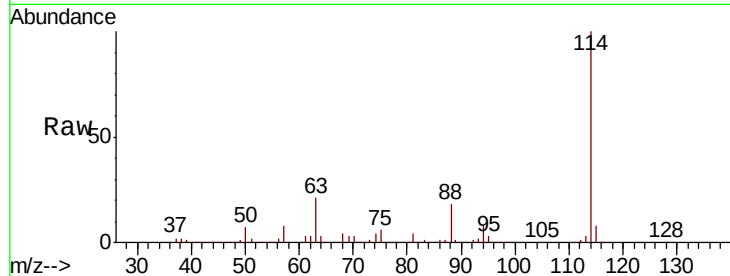
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 5516536
 Ion Ratio Lower Upper
 114 100
 63 19.2 16.1 24.1
 88 17.3 13.7 20.5

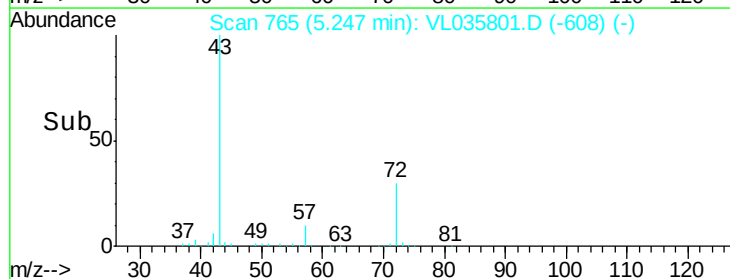
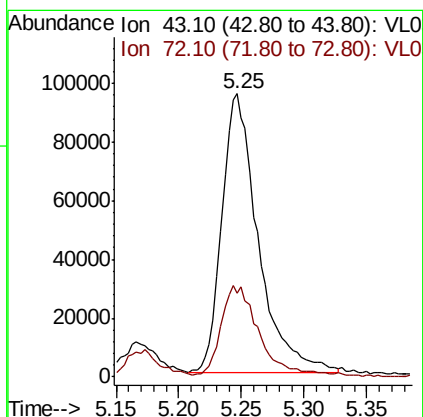
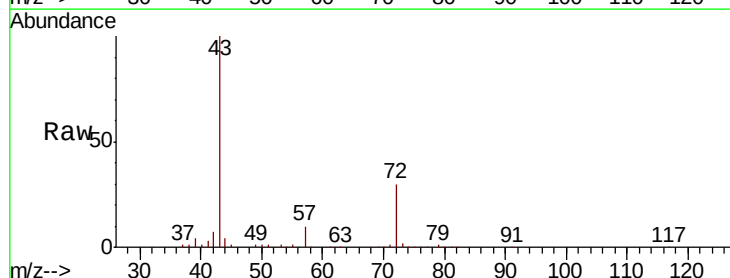
Manual Integrations
 APPROVED

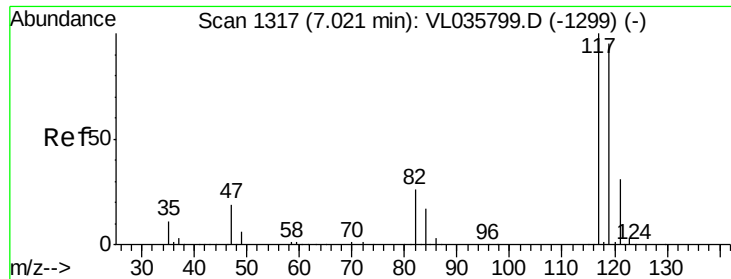
MMDadoda
 11/5/2020 2:13:13 PM



#34
 2-Butanone
 Concen: 1.039 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion: 43 Resp: 189564
 Ion Ratio Lower Upper
 43 100
 72 35.7 26.5 39.7





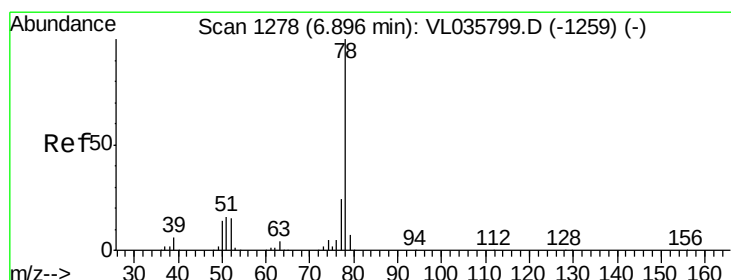
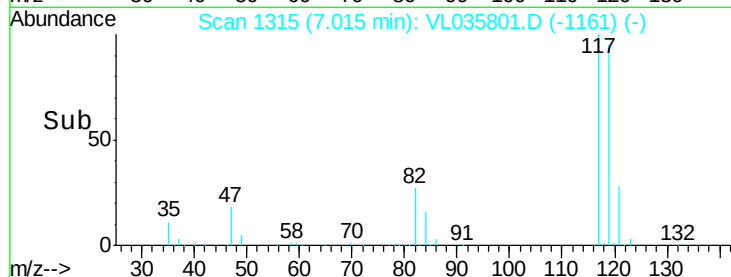
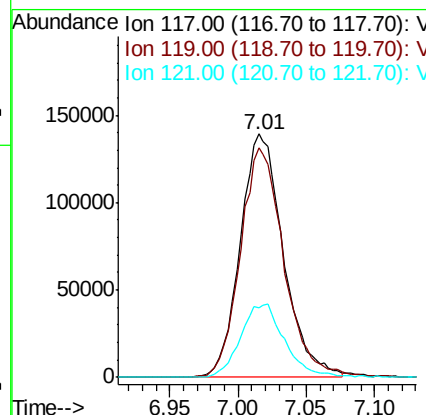
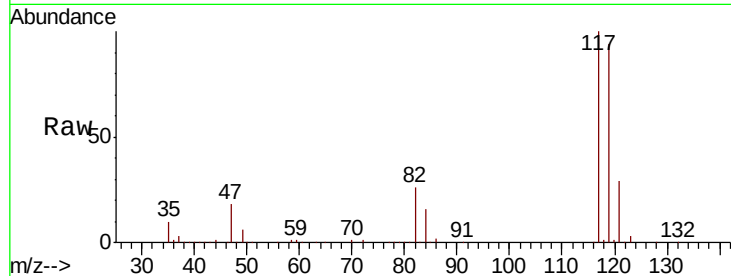
#35
Carbon Tetrachloride
Concen: 1.064 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.6	113.4
121	28.8	25.1	37.7

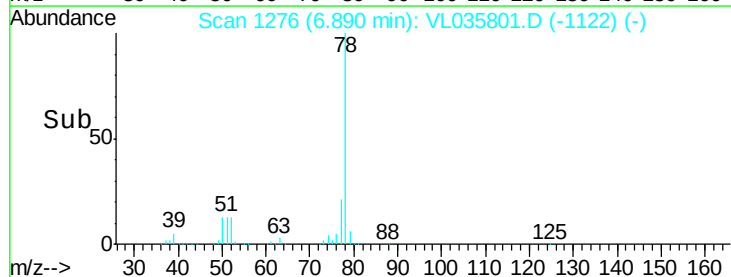
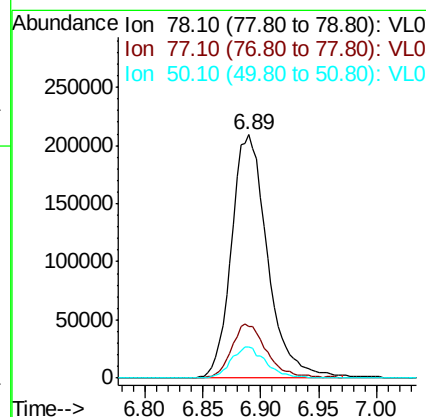
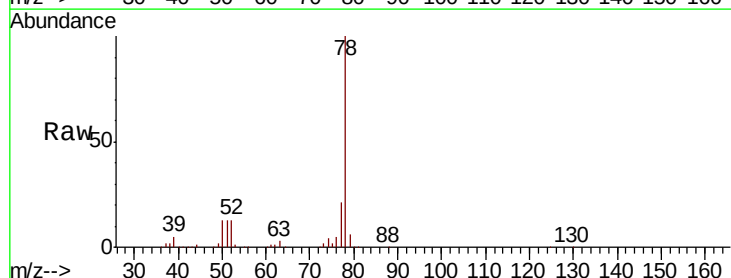
Manual Integrations
APPROVED

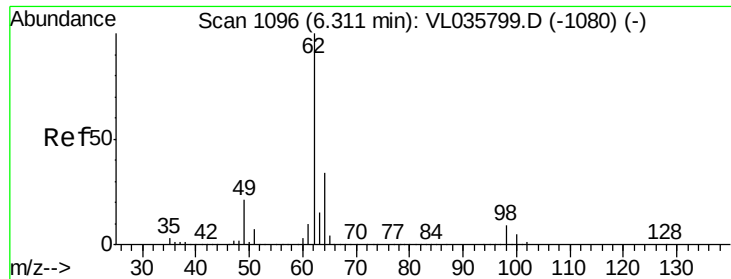
MMDadoda
11/5/2020 2:13:13 PM



#36
Benzene
Concen: 1.255 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.3	28.9
50	12.8	11.4	17.2





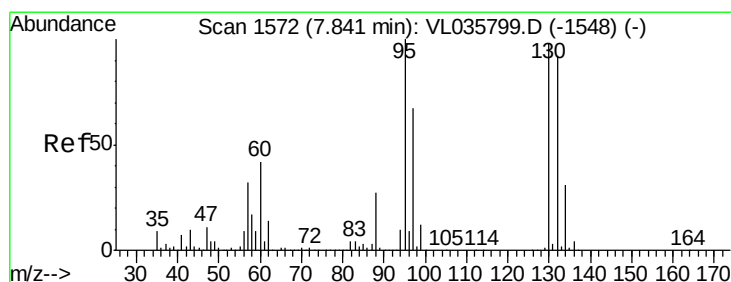
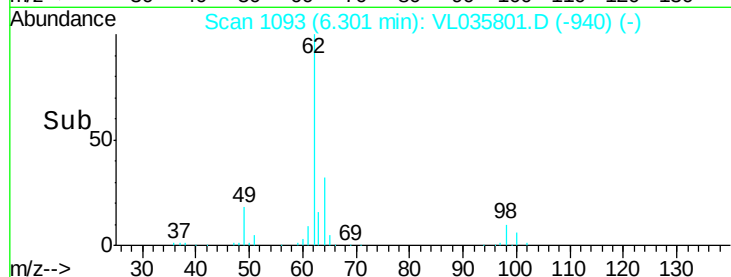
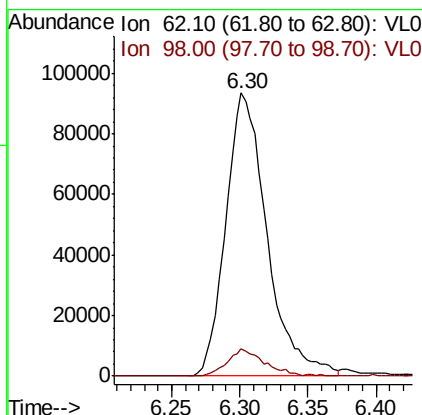
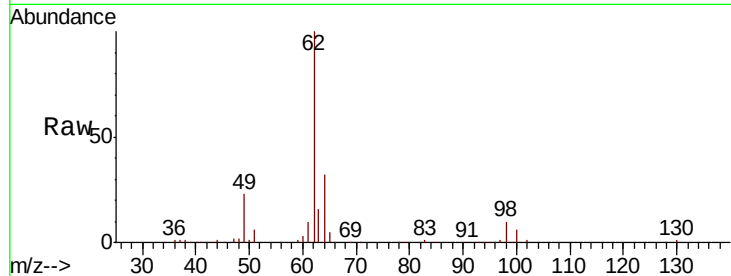
#37
 1,2-Dichloroethane
 Concen: 1.039 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	194612		
98	9.2	6.9	10.3	

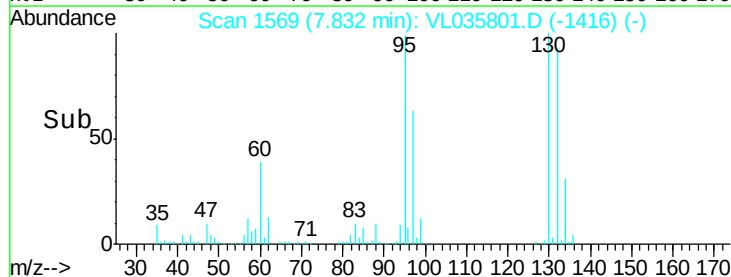
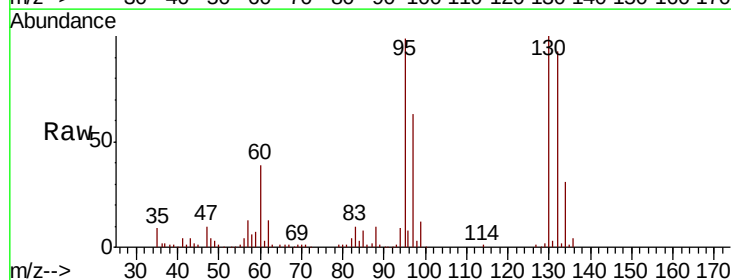
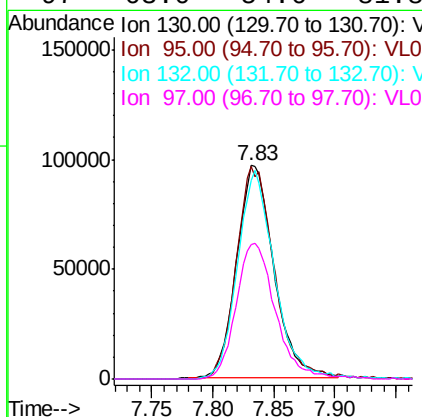
Manual Integrations
 APPROVED

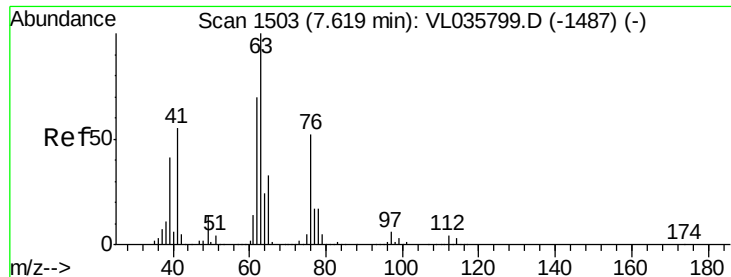
MMDadoda
 11/5/2020 2:13:13 PM



#38
 Trichloroethene
 Concen: 1.142 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	204855		
95	99.8	81.6	122.4	
132	93.0	75.1	112.7	
97	63.0	54.6	81.8	





#39

1,2-Dichloropropane

Concen: 1.127 ppbv m

RT: 7.61 min Scan# 1499

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

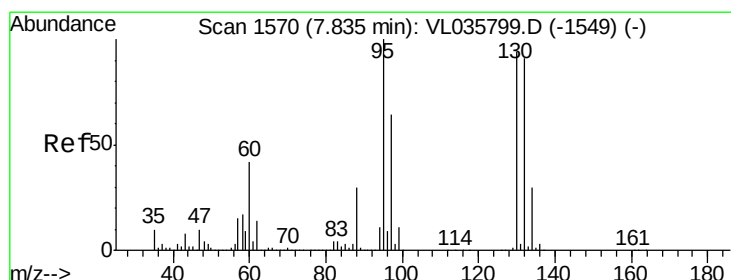
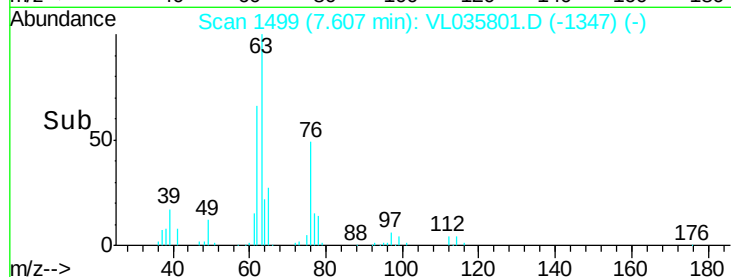
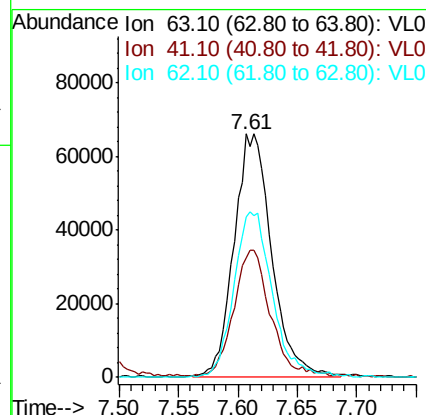
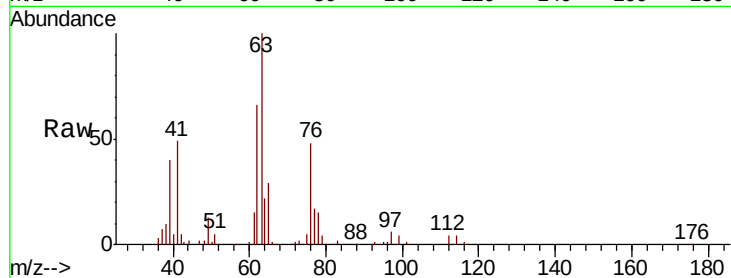
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	146817
Ion	Ratio	Lower	Upper
63	100		
41	49.2	43.8	65.6
62	65.7	56.2	84.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#40

1,4-Dioxane

Concen: 1.199 ppbv

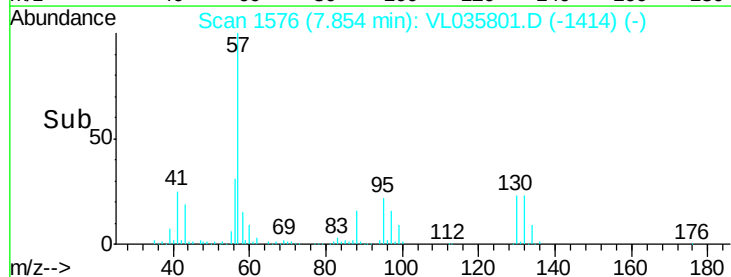
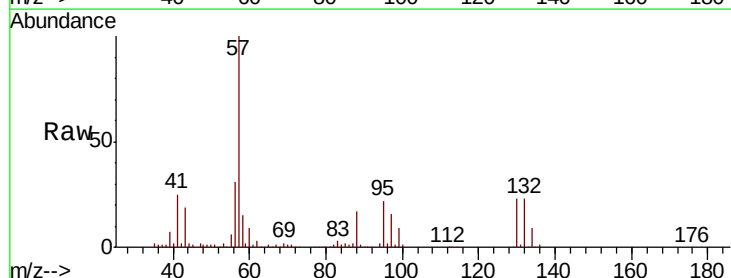
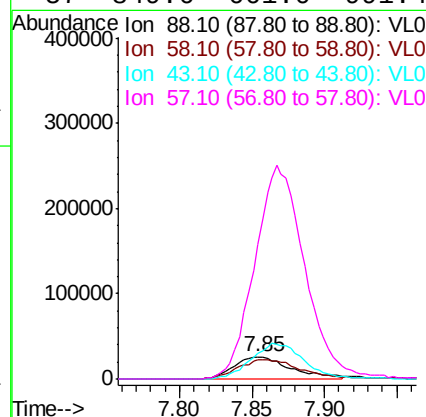
RT: 7.85 min Scan# 1576

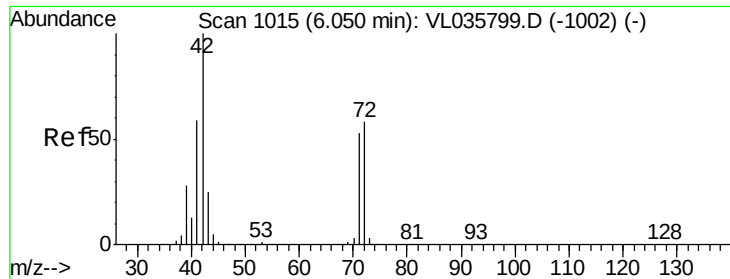
Delta R.T. 0.02 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion:	88	Resp:	71422
Ion	Ratio	Lower	Upper
88	100		
58	98.9	76.2	114.2
43	151.0	123.1	184.7
57	849.6	661.0	991.4





#41

Tetrahydrofuran

Concen: 1.140 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

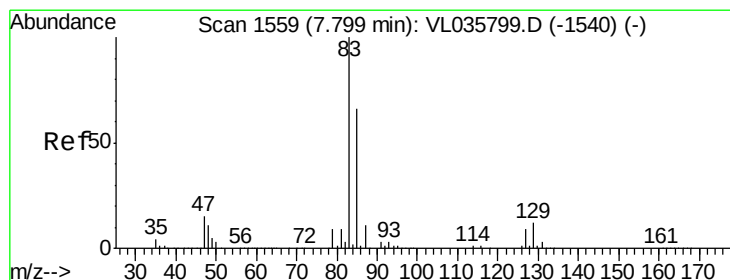
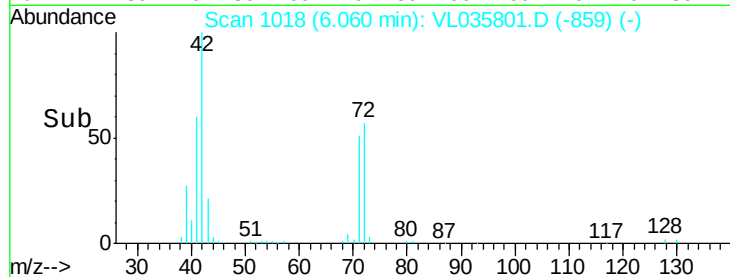
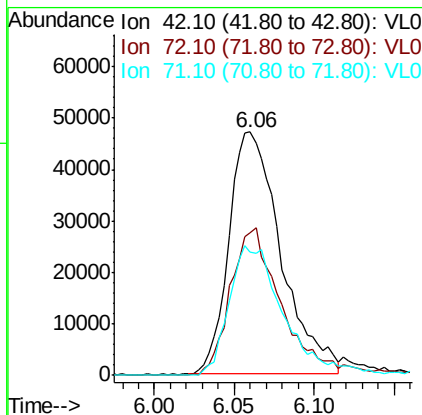
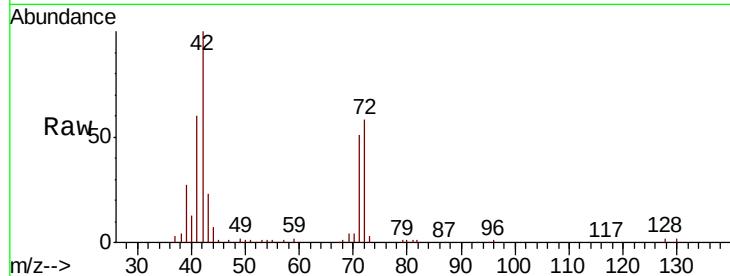
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	104773
Ion	Ratio	Lower	Upper
42	100		
72	61.3	45.4	68.0
71	56.9	43.4	65.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#42

Bromodichloromethane

Concen: 1.063 ppbv

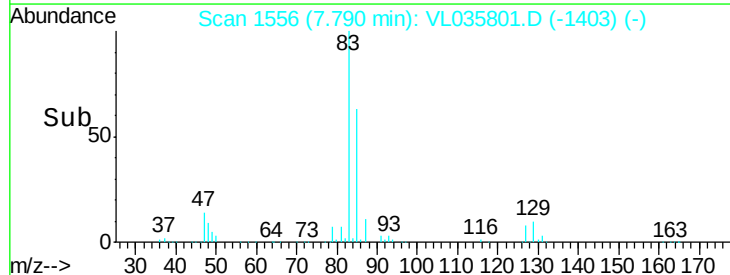
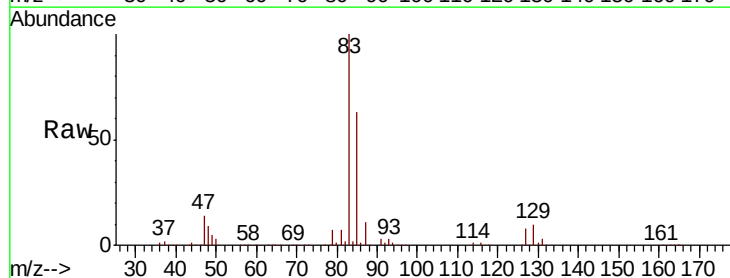
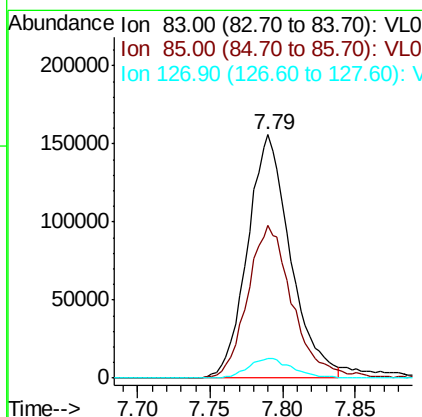
RT: 7.79 min Scan# 1556

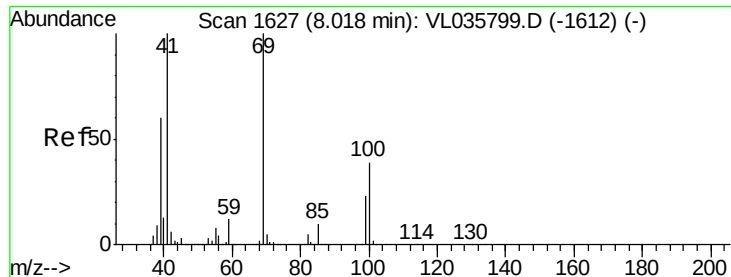
Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion:	83	Resp:	320694
Ion	Ratio	Lower	Upper
83	100		
85	62.7	53.1	79.7
127	8.1	7.3	10.9





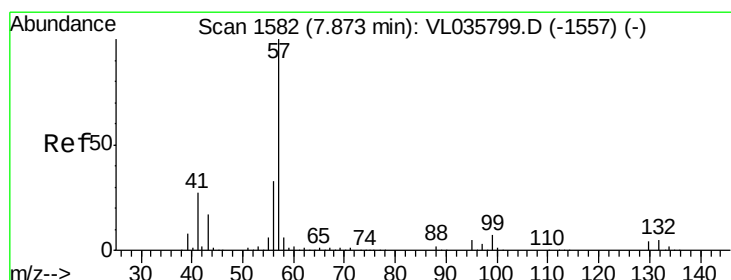
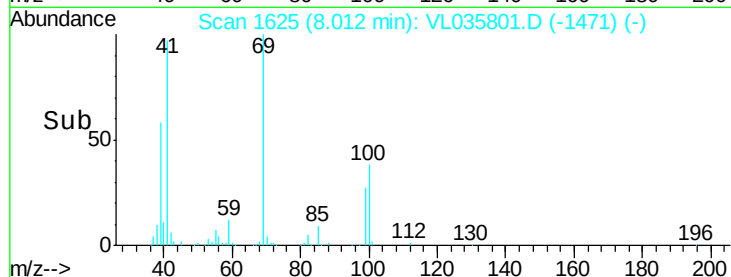
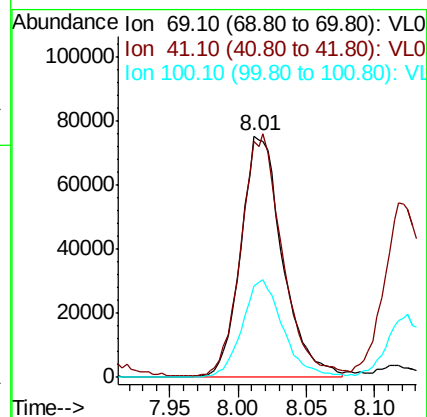
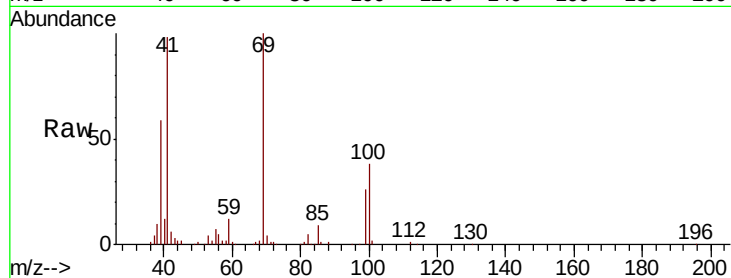
#43
Methyl Methacrylate
Concen: 1.120 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	100.5	81.1	121.7	
100	39.6	31.0	46.4	

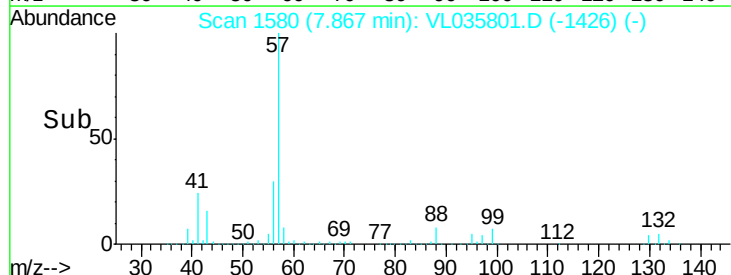
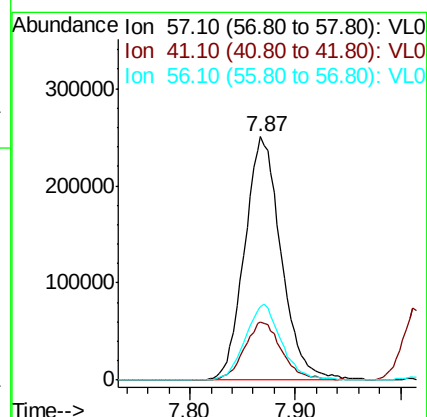
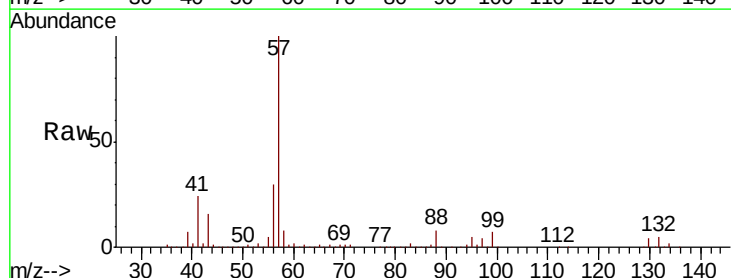
Manual Integrations
APPROVED

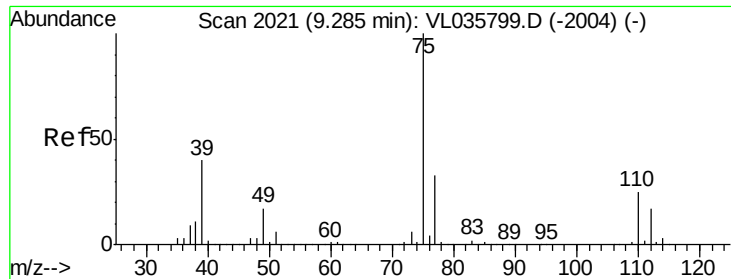
MMDadoda
11/5/2020 2:13:13 PM



#44
2,2,4-Trimethylpentane
Concen: 1.170 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	24.5	21.0	31.4	
56	30.9	25.4	38.0	





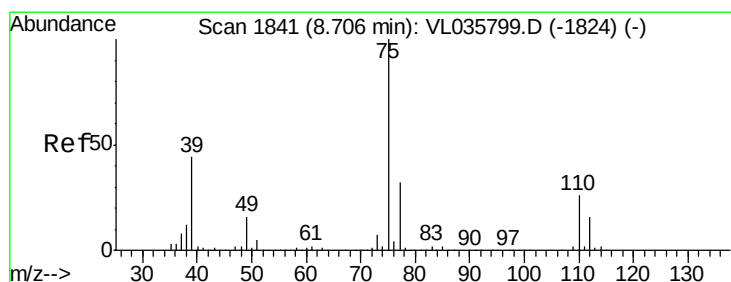
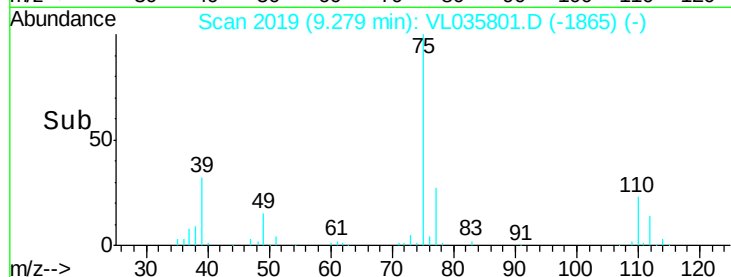
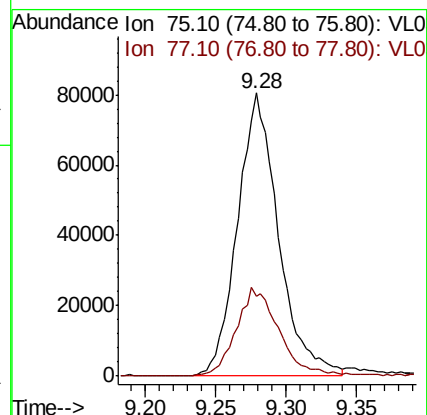
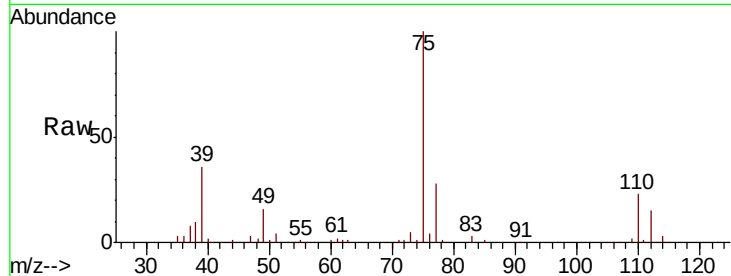
#45
t-1,3-Dichloropropene
Concen: 1.135 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 163767
Ion Ratio Lower Upper
75 100
77 28.0 26.4 39.6

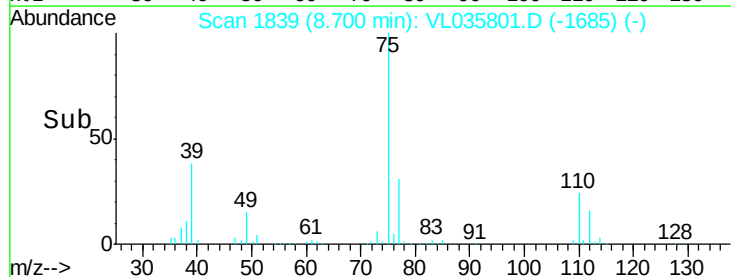
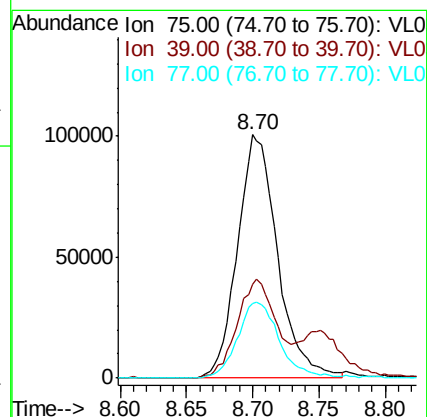
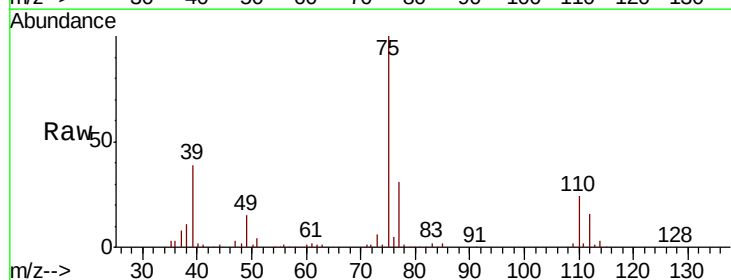
Manual Integrations
APPROVED

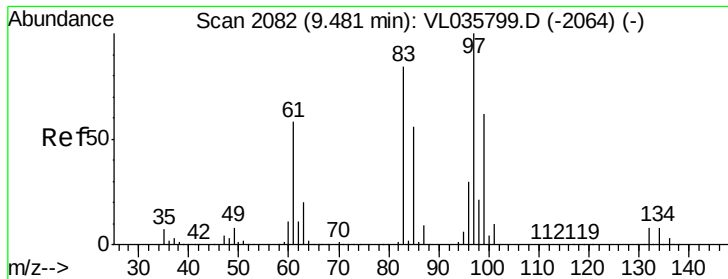
MMDadoda
11/5/2020 2:13:13 PM



#46
cis-1,3-Dichloropropene
Concen: 1.188 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion: 75 Resp: 211429
Ion Ratio Lower Upper
75 100
39 38.3 35.1 52.7
77 30.3 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 1.082 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

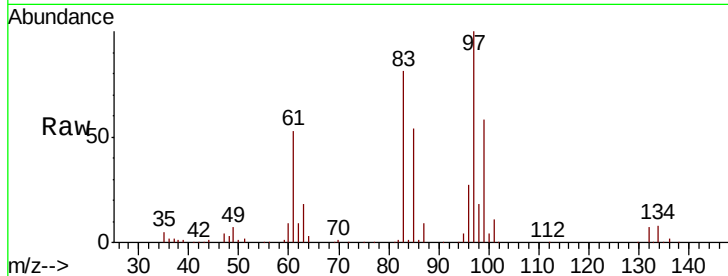
ClientSampleId :

VSTDIC001

Tot Ion	97	Resp	201957
Ion Ratio	Lower	Upper	
97	100		
83	80.4	67.1	100.7
85	54.0	44.7	67.1
99	57.7	49.7	74.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



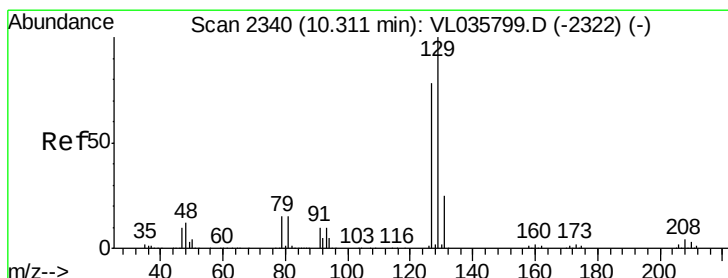
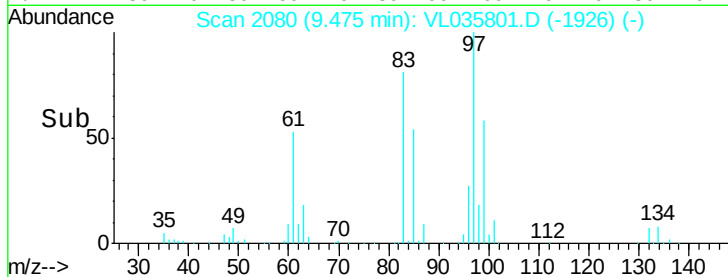
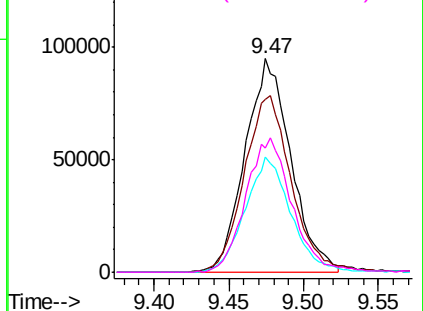
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 1.044 ppbv

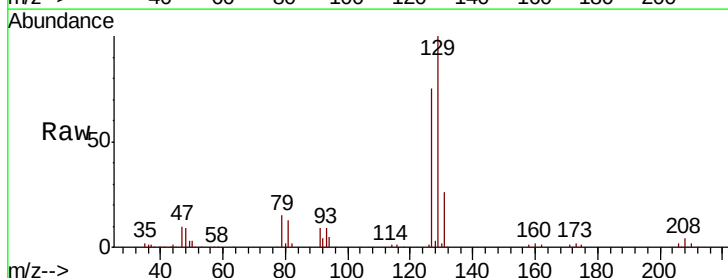
RT: 10.30 min Scan# 2338

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

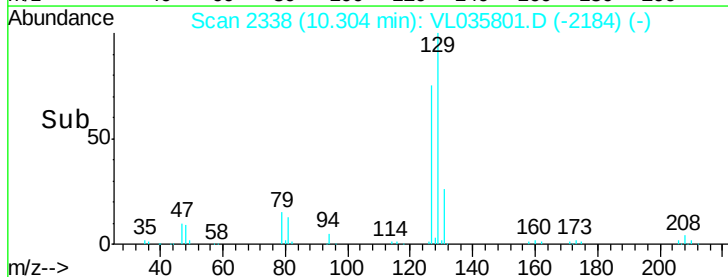
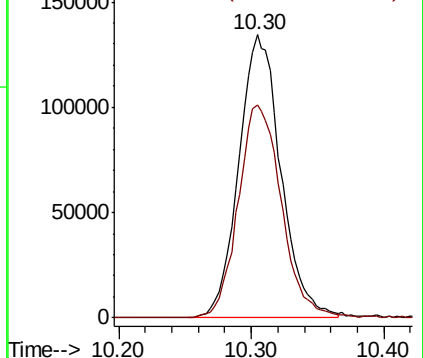
Tgt Ion	129	Resp	296600
Ion Ratio	Lower	Upper	
129	100		
127	77.8	39.2	117.6

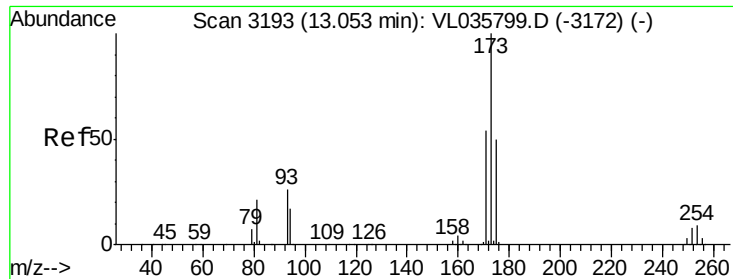


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.032 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

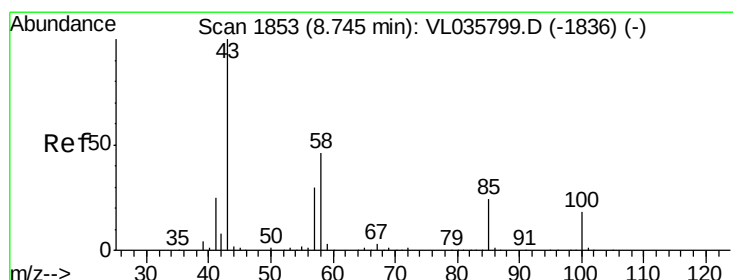
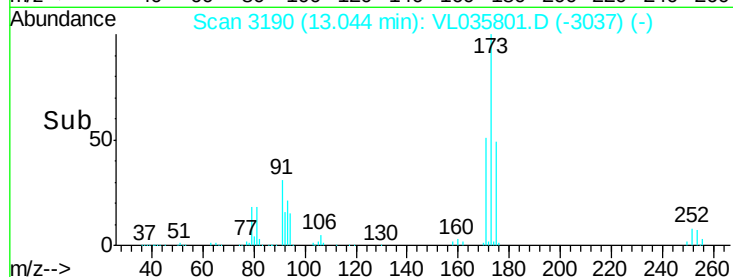
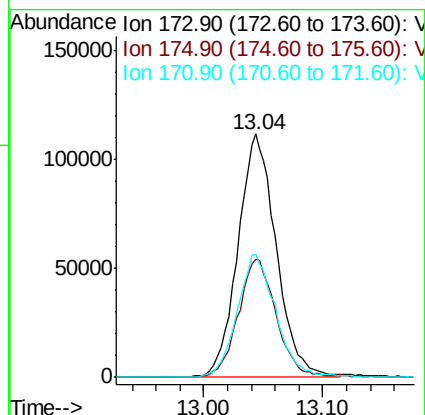
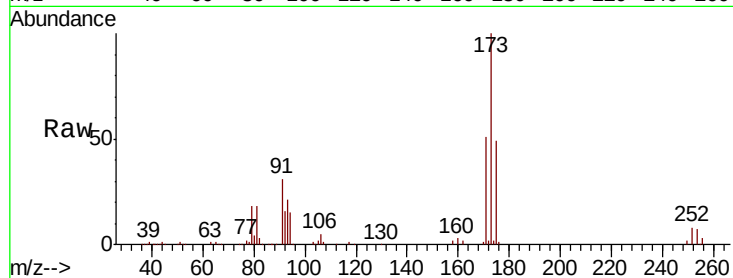
ClientSampled :

VSTDIC001

Tot Ion:	173	Resp:	248693
Ion Ratio	Lower	Upper	
173	100		
175	48.9	40.1	60.1
171	51.2	42.6	63.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#50

4-Methyl-2-Pentanone

Concen: 1.081 ppbv

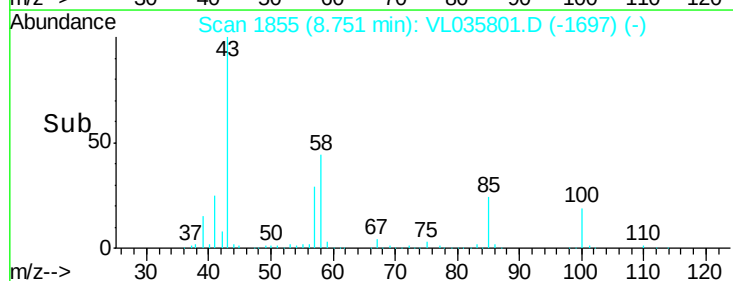
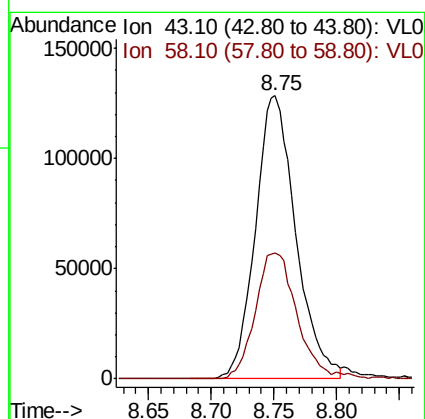
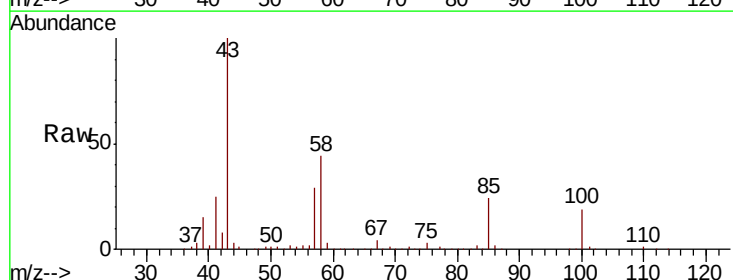
RT: 8.75 min Scan# 1855

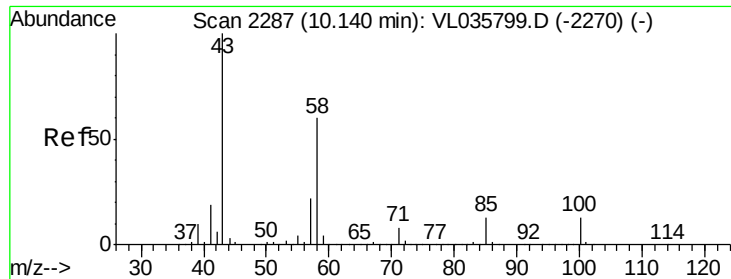
Delta R.T. 0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion:	43	Resp:	288112
Ion Ratio	Lower	Upper	
43	100		
58	46.6	36.0	54.0





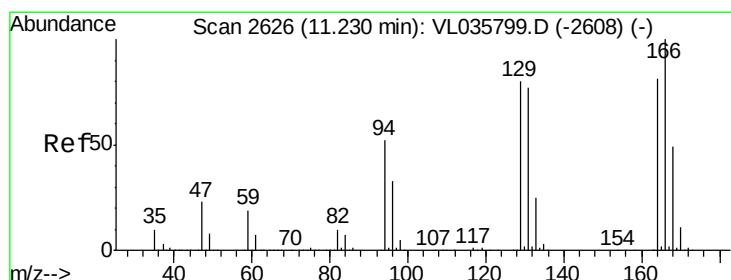
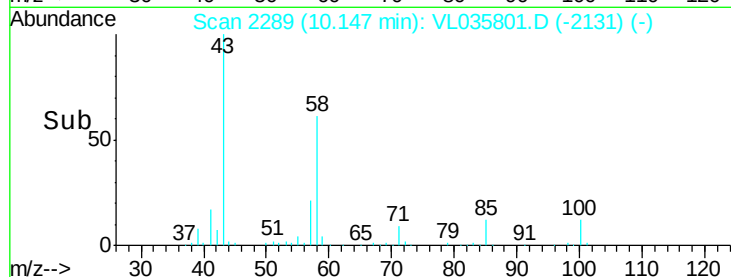
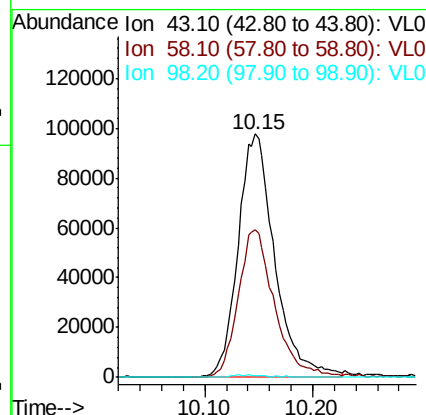
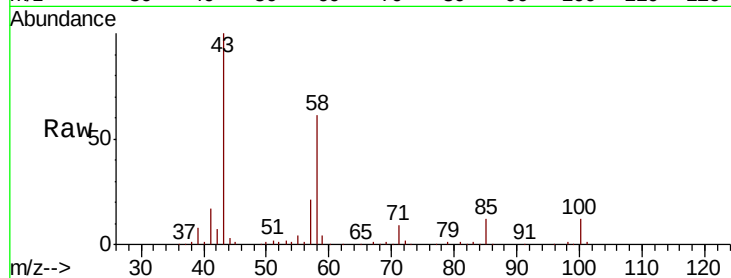
#51
2-Hexanone
Concen: 1.077 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.3	72.5
98	1.1	0.6	0.8#

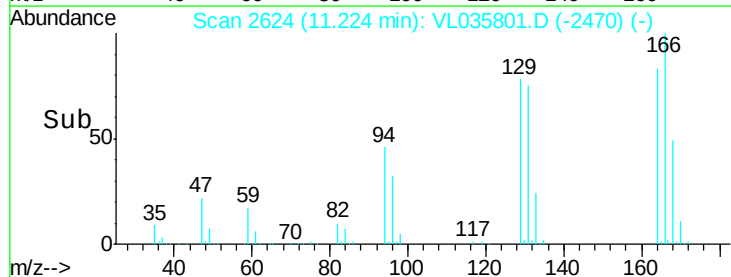
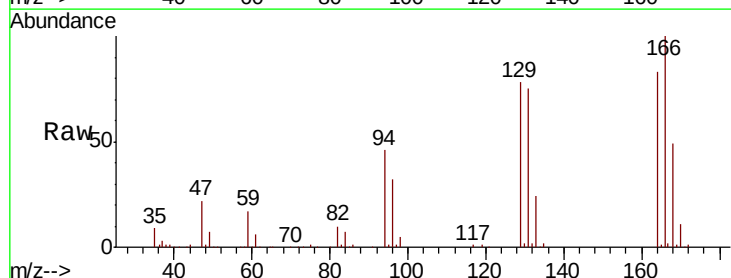
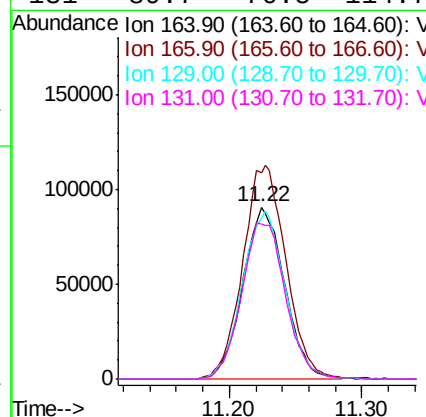
Manual Integrations
APPROVED

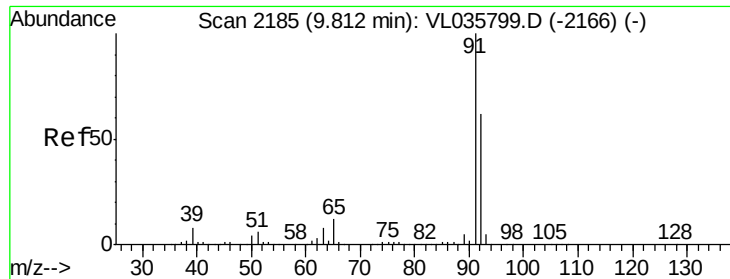
MMDadoda
11/5/2020 2:13:13 PM



#52
Tetrachloroethene
Concen: 1.154 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	99.3	148.9
129	93.5	79.3	118.9
131	89.7	76.5	114.7





#53

Toluene

Concen: 1.278 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 541661

Ion Ratio Lower Upper

91 100

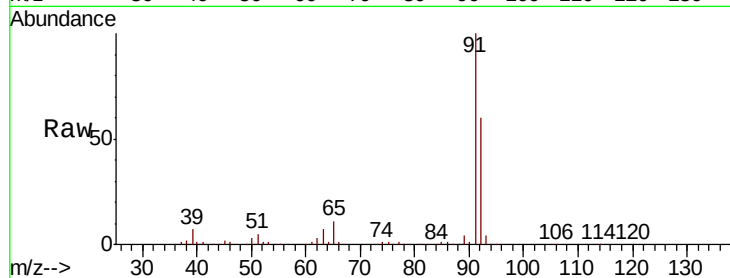
92 59.5 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:13:13 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

250000

200000

150000

100000

50000

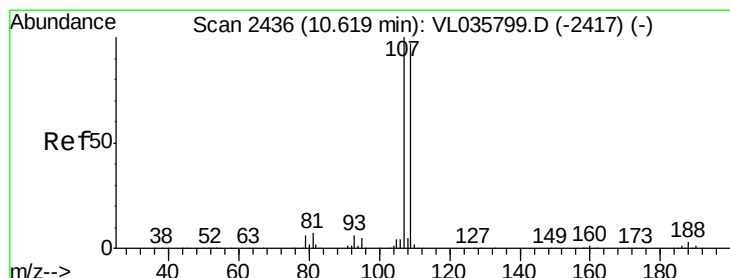
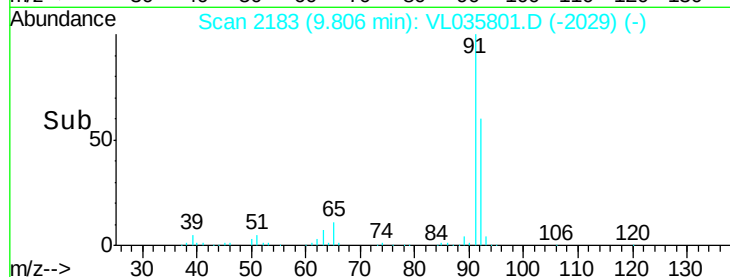
0

9.70

9.80

9.90

Time-->



#54

1,2-Dibromoethane

Concen: 1.109 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL035801.D

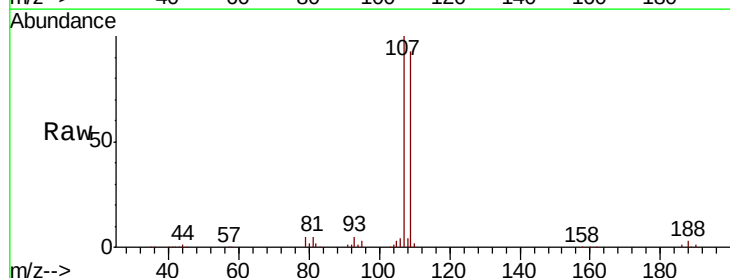
Acq: 3 Nov 2020 11:49

Tgt Ion: 107 Resp: 309970

Ion Ratio Lower Upper

107 100

109 93.1 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

50000

0

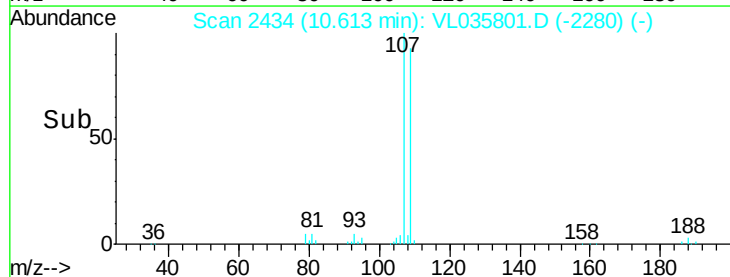
10.55

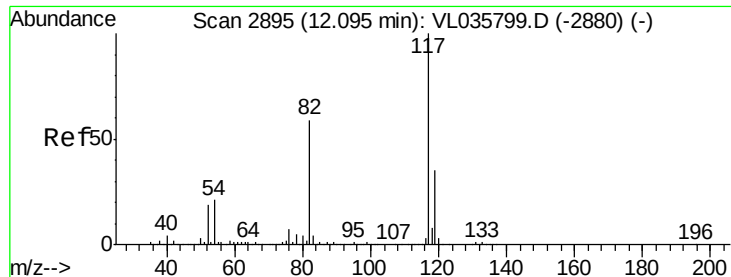
10.60

10.65

10.70

Time-->





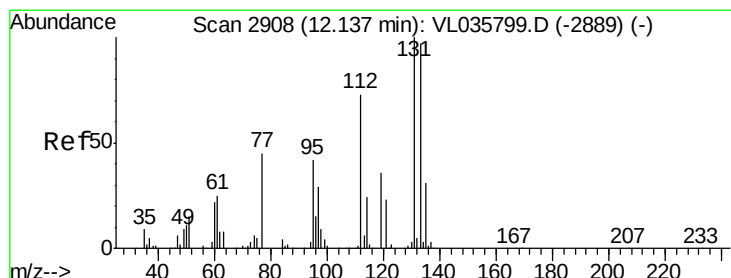
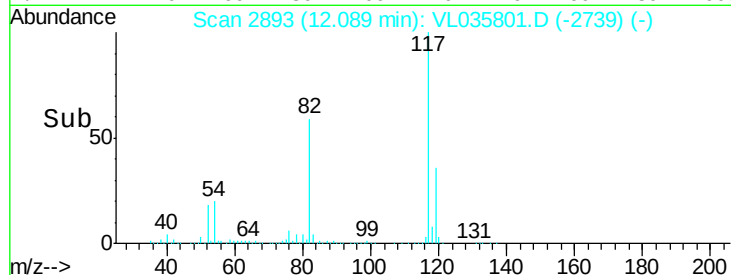
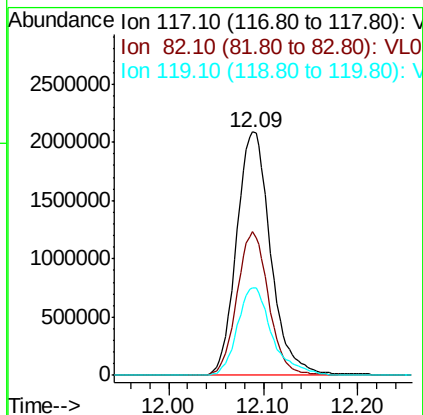
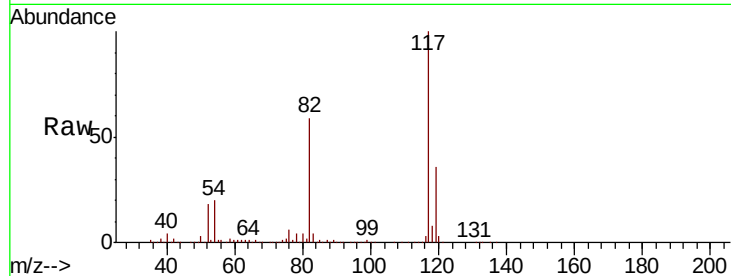
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	50.6	76.0
119	37.1	52.6	78.8#

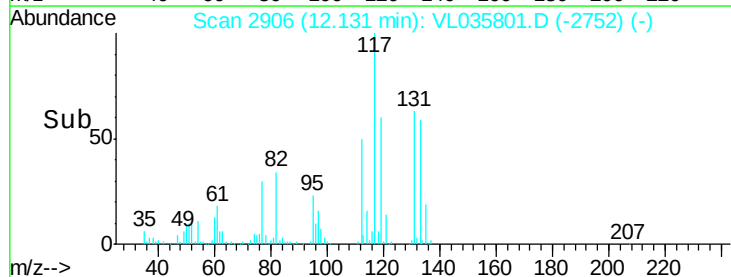
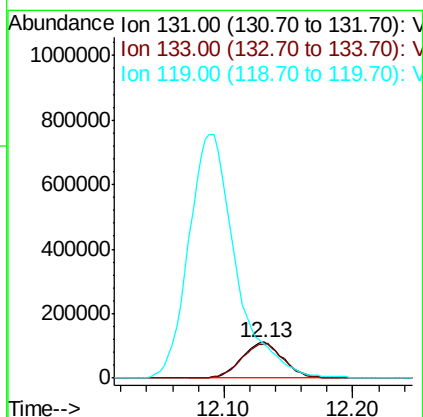
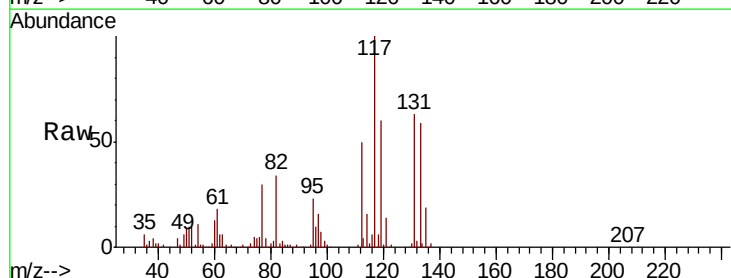
Manual Integrations
APPROVED

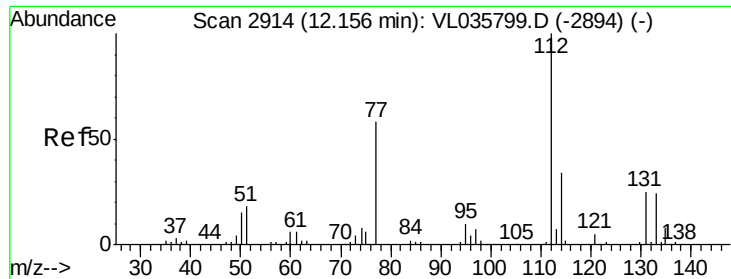
MMDadoda
11/5/2020 2:13:13 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 1.145 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	76.8	115.2
119	772.4	47.4	71.0#





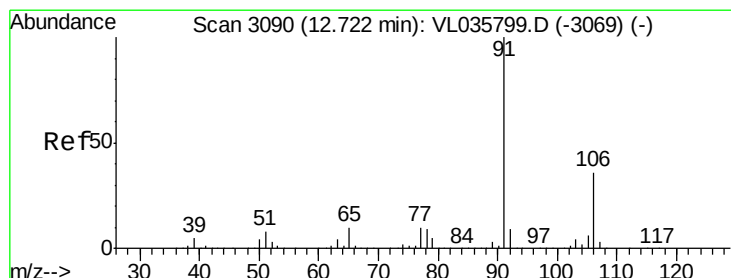
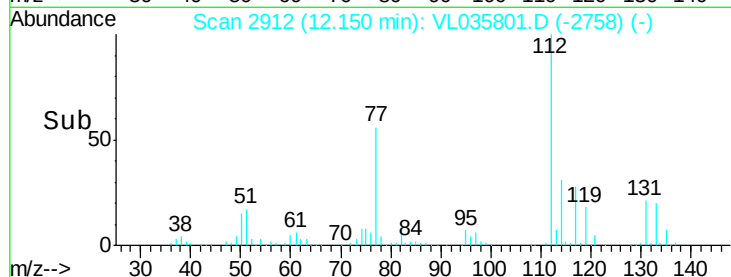
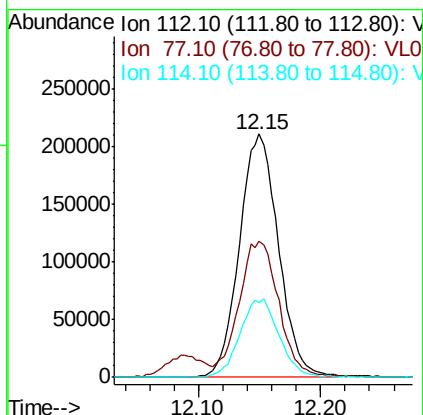
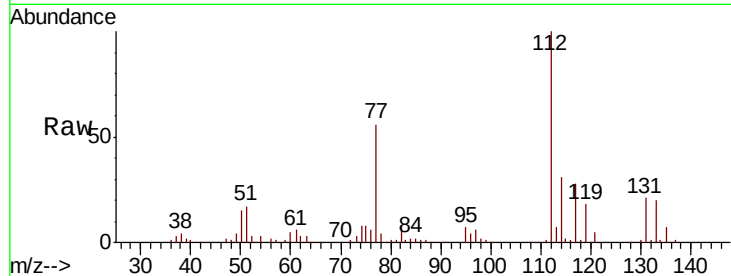
#57
Chlorobenzene
Concen: 1.183 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	55.3	47.5	71.3
114	30.6	30.3	37.1

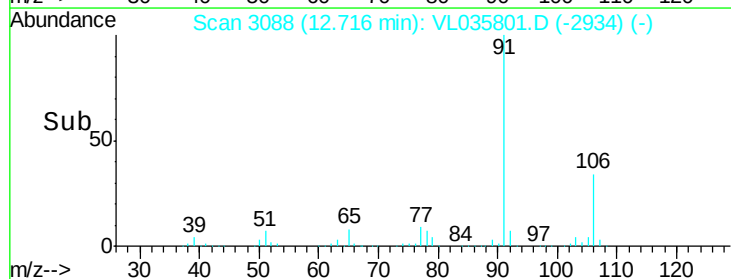
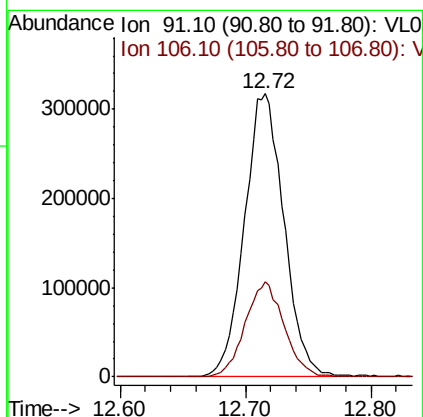
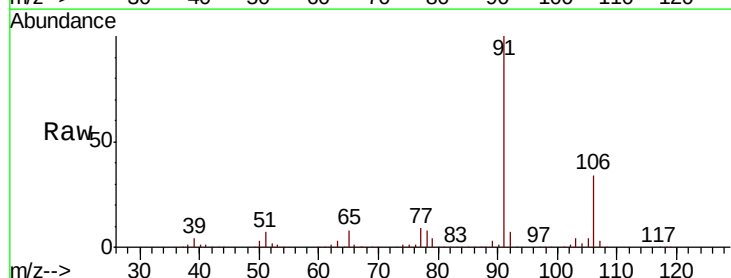
Manual Integrations
APPROVED

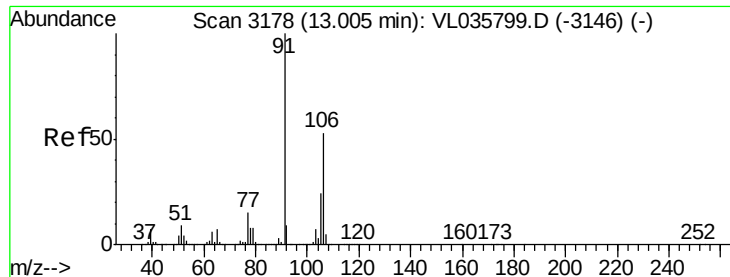
MMDadoda
11/5/2020 2:13:13 PM



#58
Ethyl Benzene
Concen: 1.323 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.9	28.6	43.0





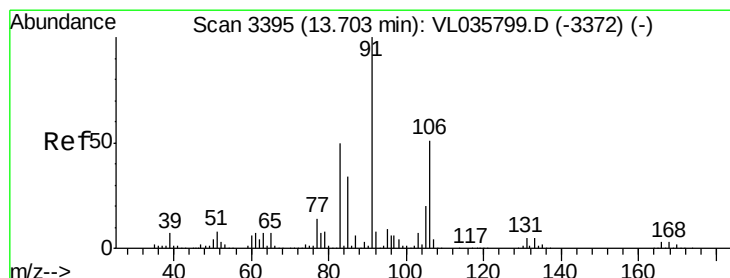
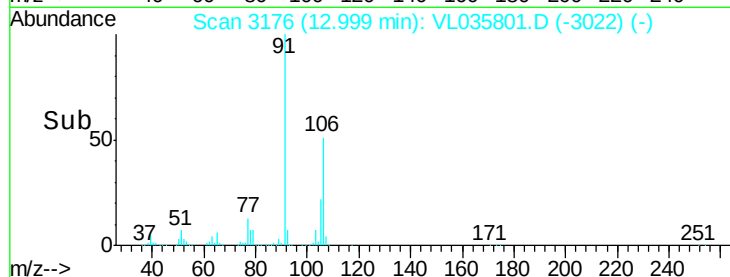
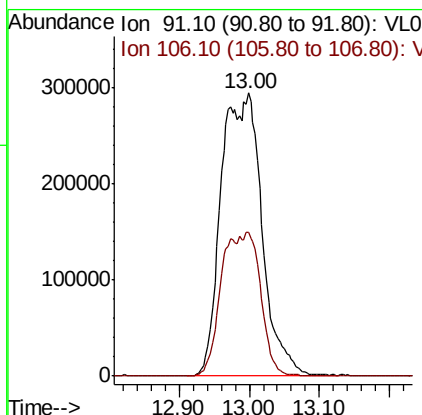
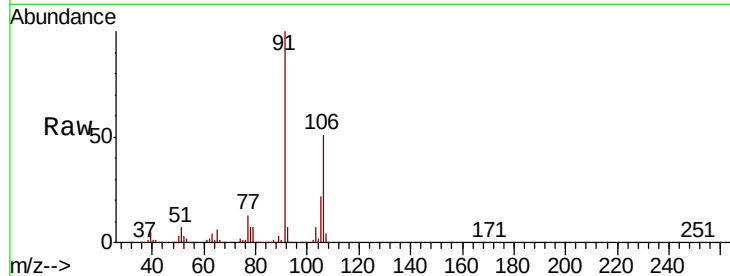
#59
m/p-Xylene
Concen: 2.602 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 1192852
Ion Ratio Lower Upper
91 100
106 48.9 39.5 59.3

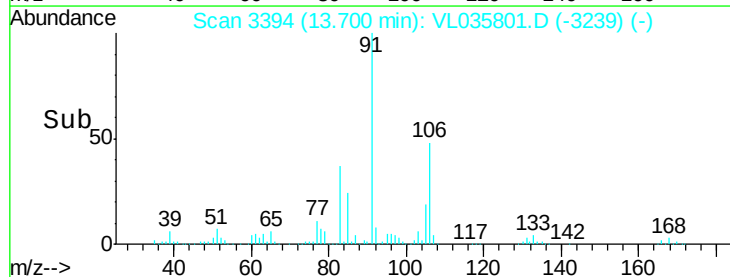
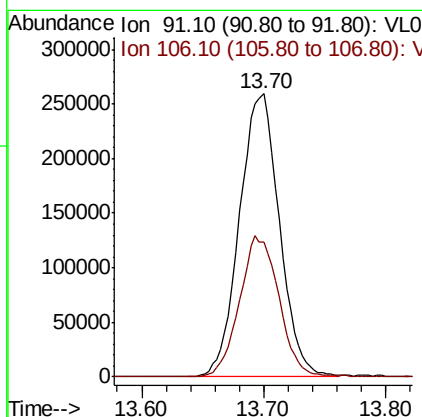
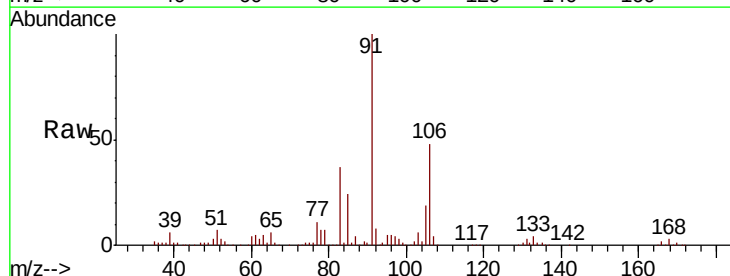
Manual Integrations
APPROVED

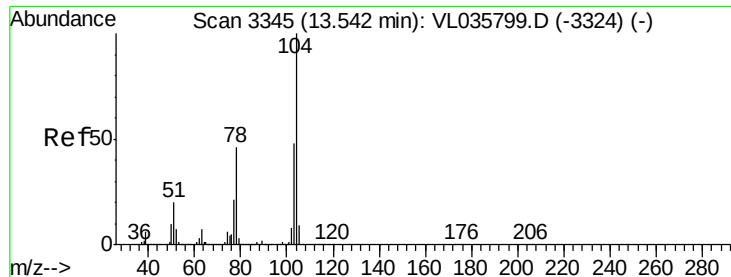
MMDadoda
11/5/2020 2:13:13 PM



#60
o-Xylene
Concen: 1.256 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion: 91 Resp: 582413
Ion Ratio Lower Upper
91 100
106 49.6 24.8 74.4





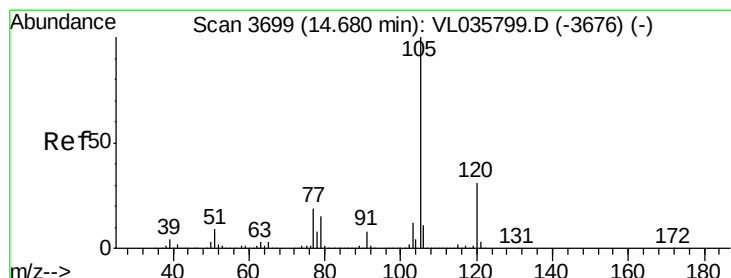
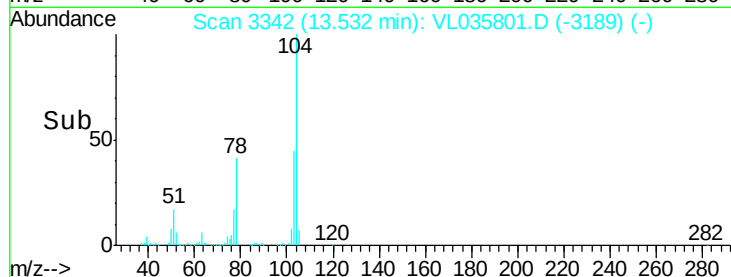
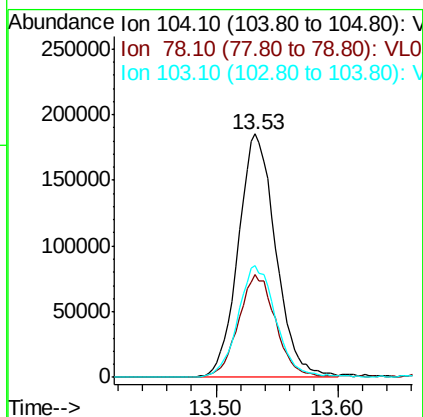
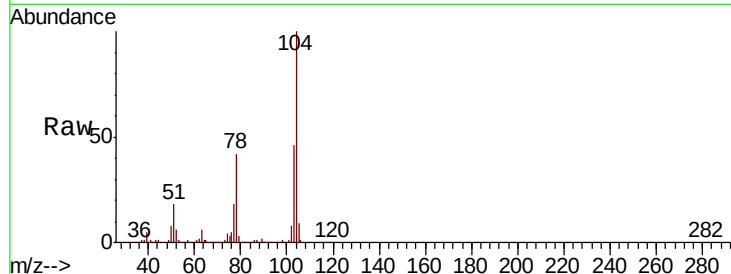
#61
Stvrene
Concen: 1.226 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:	104	Resp:	393221
Ion Ratio	Lower	Upper	
104	100		
78	42.2	37.1	55.7
103	46.9	37.9	56.9

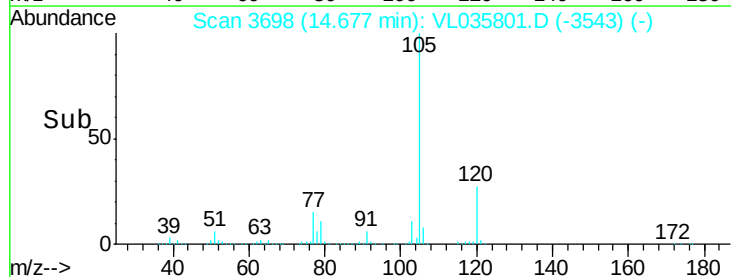
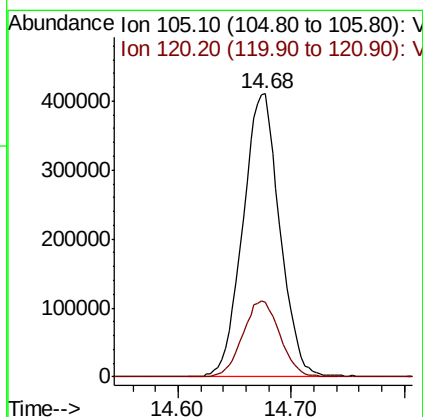
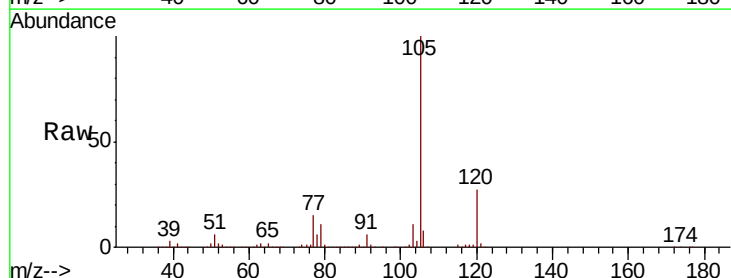
Manual Integrations
APPROVED

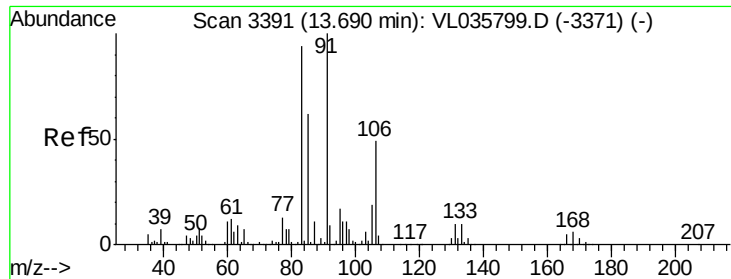
MMDadoda
11/5/2020 2:13:13 PM



#62
Isopropylbenzene
Concen: 1.294 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL035801.D
Acq: 3 Nov 2020 11:49

Tgt Ion:	105	Resp:	930536
Ion Ratio	Lower	Upper	
105	100		
120	27.3	23.5	35.3





#63

1,1,2,2-Tetrachloroethane

Concen: 1.104 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 419782

Ion Ratio Lower Upper

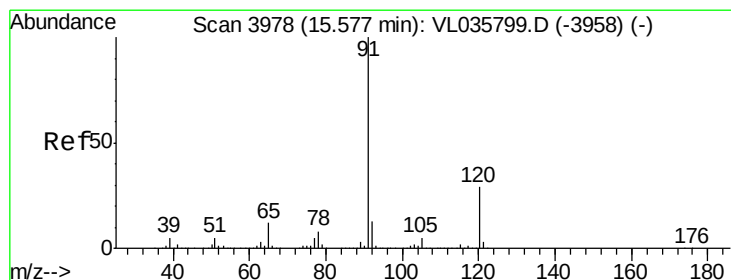
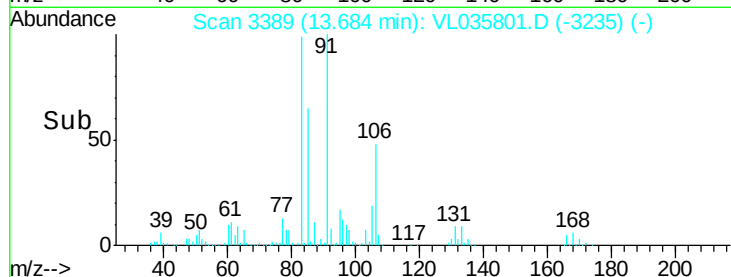
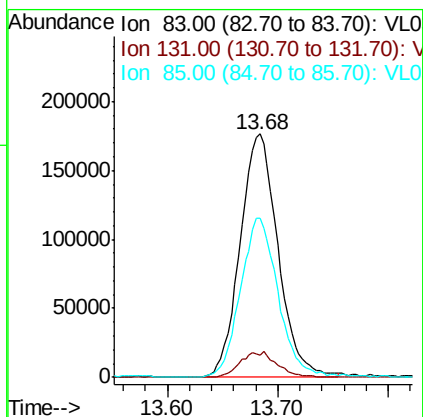
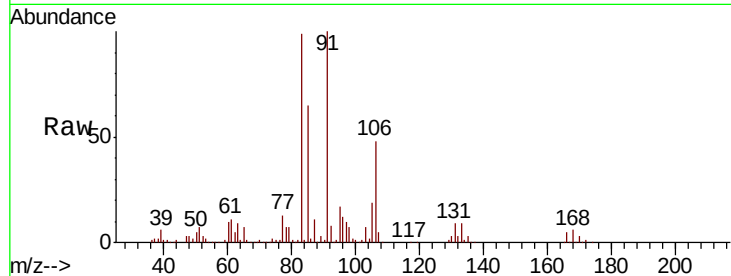
83 100

131 10.3 5.3 15.8

85 66.3 33.5 100.4

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#64

n-propylbenzene

Concen: 1.222 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL035801.D

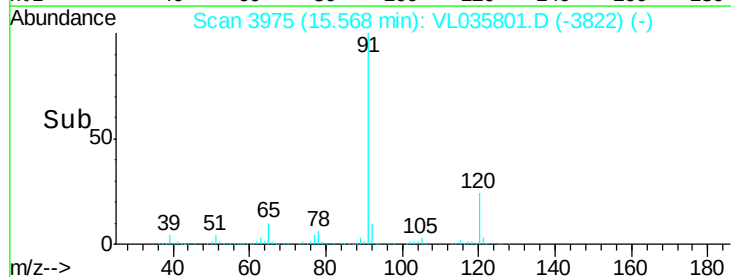
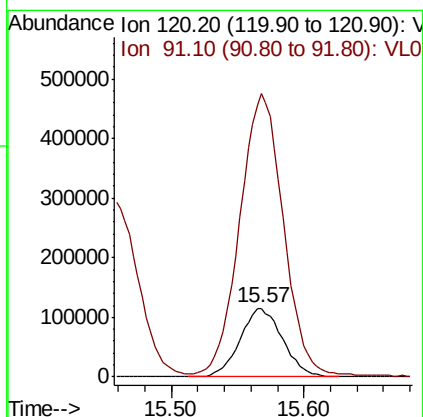
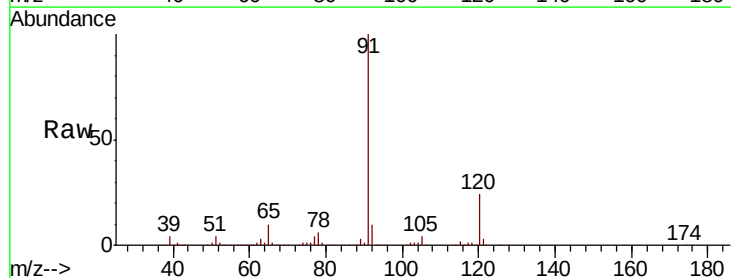
Acq: 3 Nov 2020 11:49

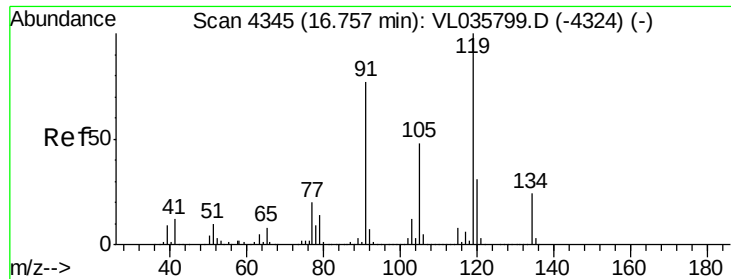
Tgt Ion: 120 Resp: 257268

Ion Ratio Lower Upper

120 100

91 425.1 311.1 466.7





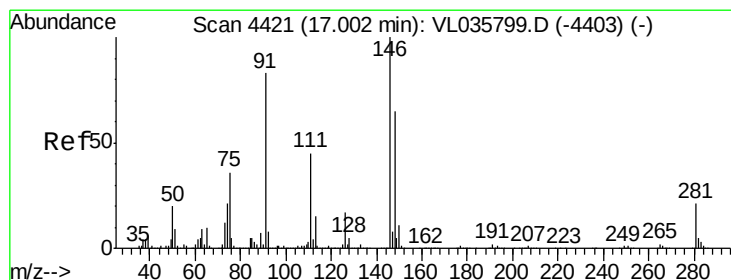
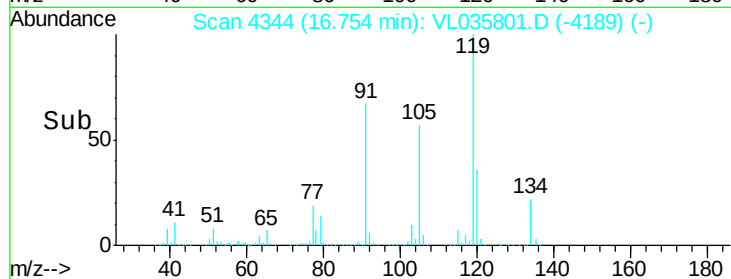
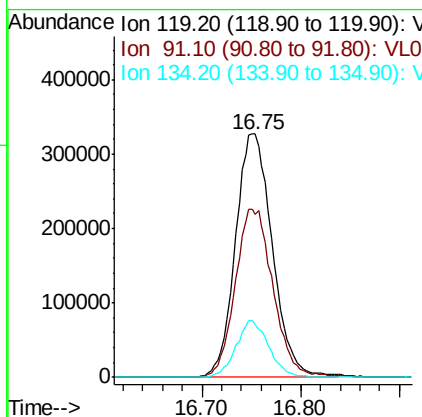
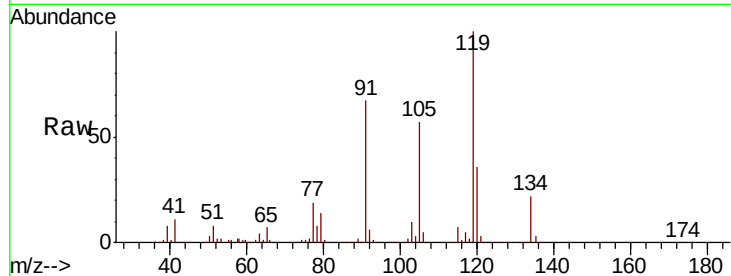
#65
 tert-Butylbenzene
 Concen: 1.297 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	848214		
91	70.9	62.0	93.0	
134	21.0	17.8	26.8	

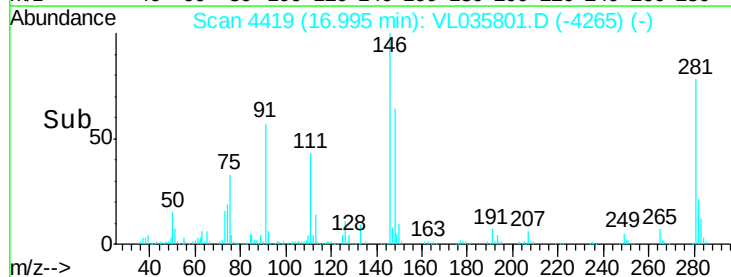
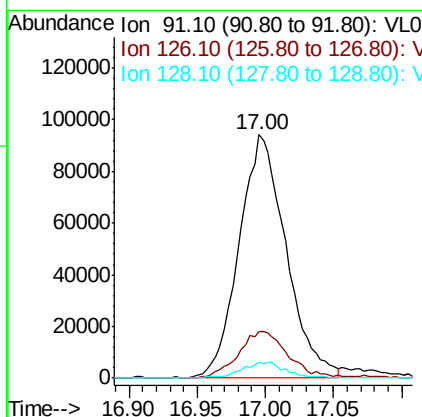
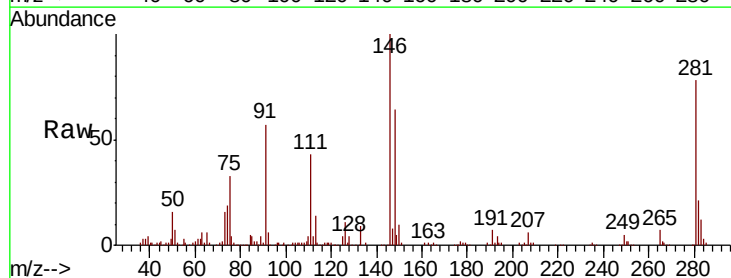
Manual Integrations
 APPROVED

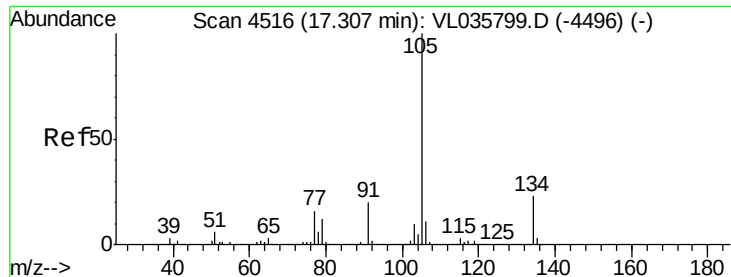
MMDadoda
 11/5/2020 2:13:13 PM



#66
 Benzyl Chloride
 Concen: 1.124 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	222779		
126	21.0	16.0	24.0	
128	6.5	5.0	7.4	





#67

sec-Butylbenzene

Concen: 1.274 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 1150747

Ion Ratio Lower Upper

105 100

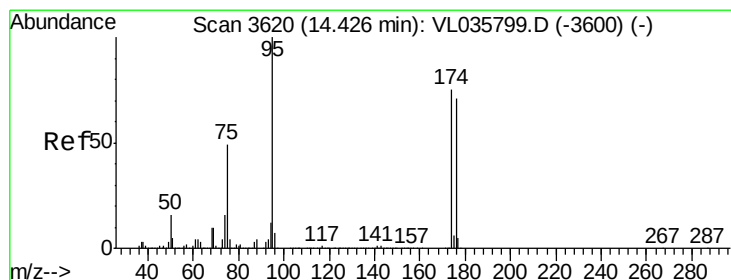
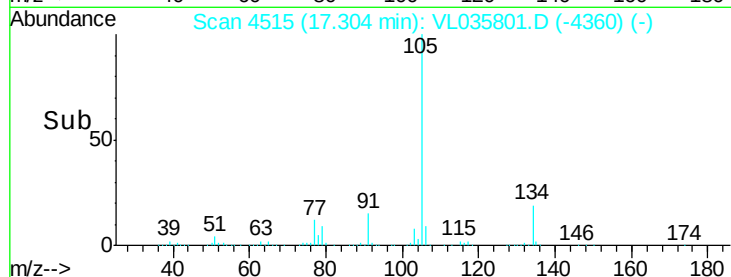
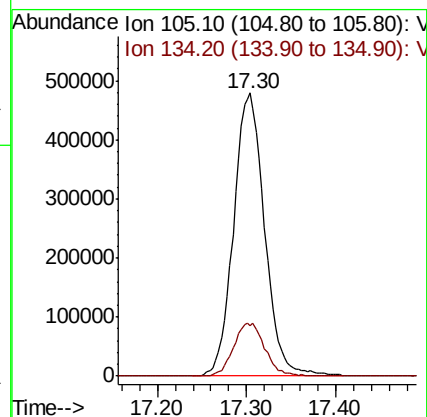
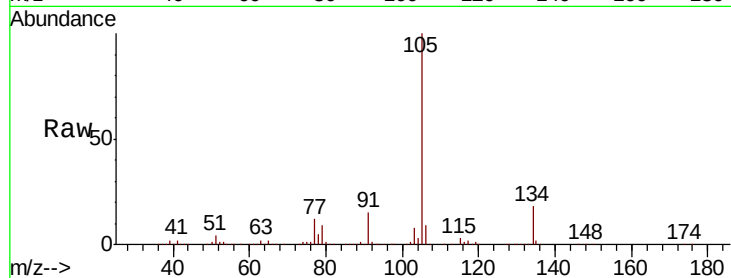
134 19.1 17.0 25.6

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:13:13 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.352 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

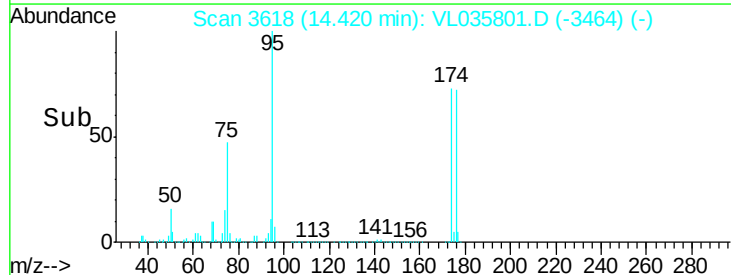
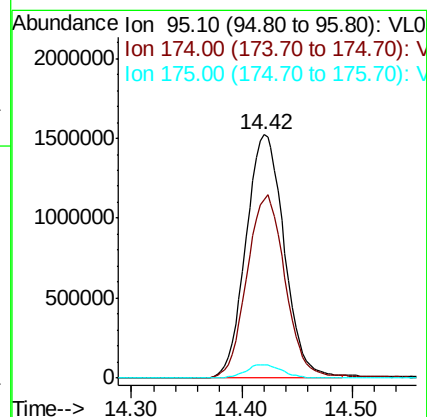
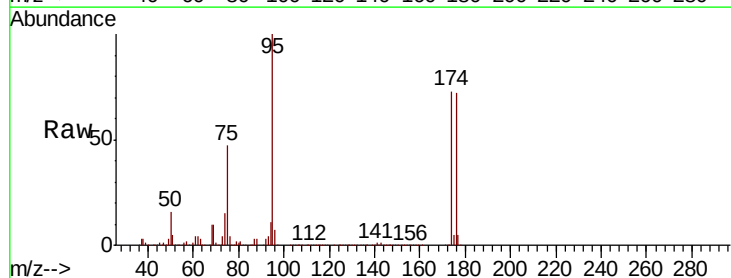
Tgt Ion: 95 Resp: 3665123

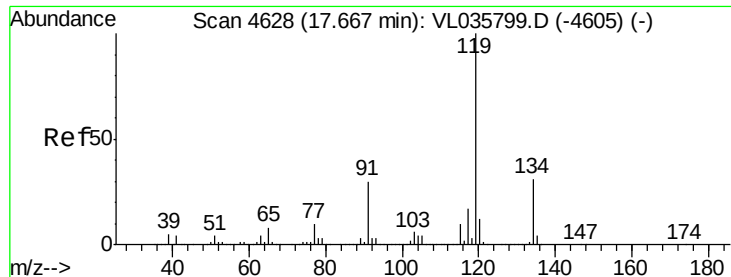
Ion Ratio Lower Upper

95 100

174 76.4 59.8 89.6

175 5.4 4.3 6.5





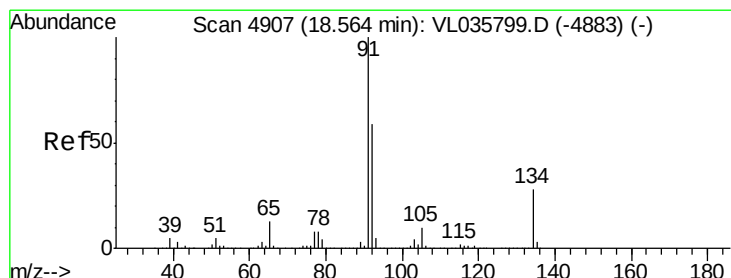
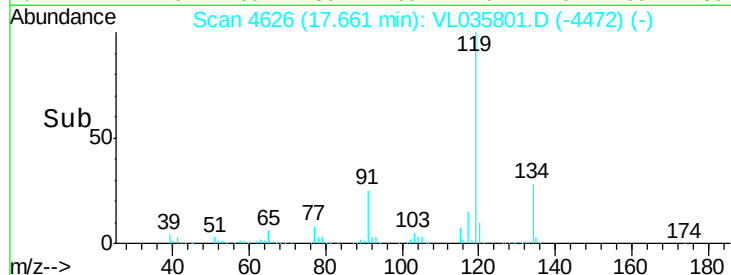
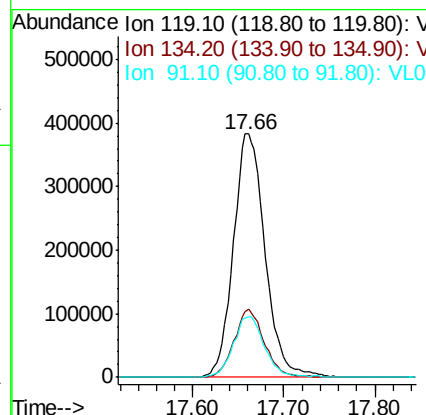
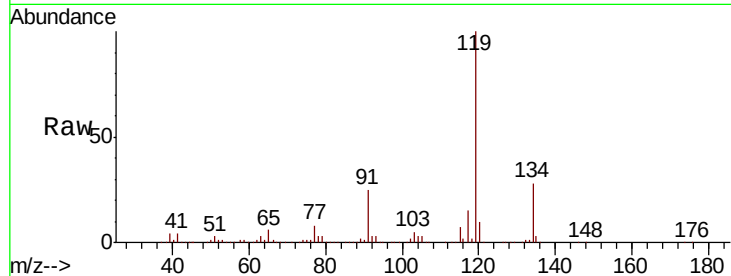
#69
 p-Isopropyltoluene
 Concen: 1.256 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	23.0	34.6
91	24.7	22.8	34.2

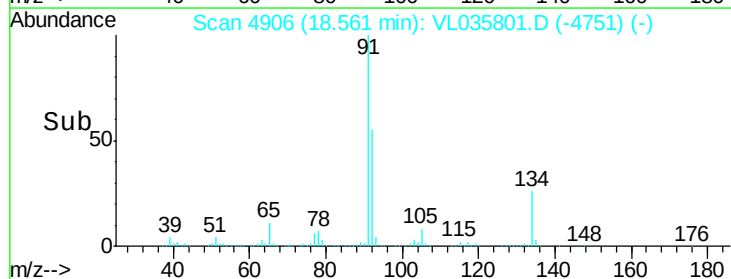
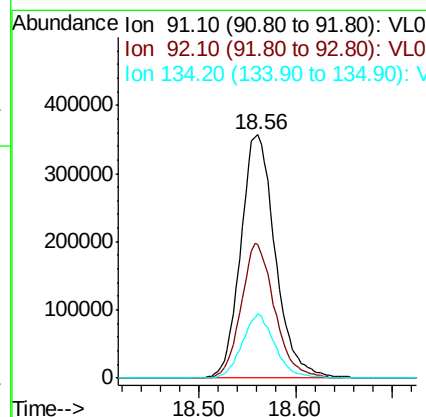
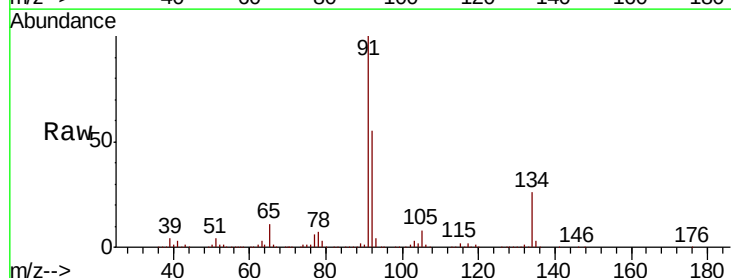
Manual Integrations
 APPROVED

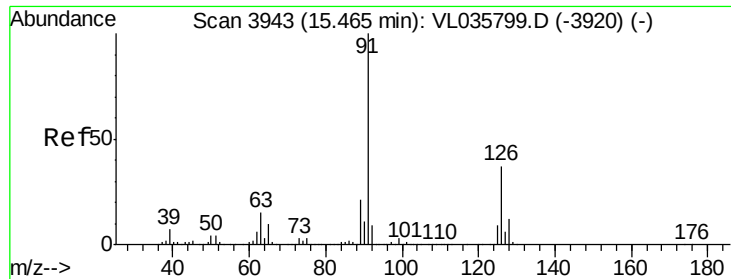
MMDadoda
 11/5/2020 2:13:13 PM



#70
 n-Butylbenzene
 Concen: 1.167 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	45.7	68.5
134	25.2	21.0	31.4





#71

2-Chlorotoluene

Concen: 1.240 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 650821

Ion Ratio Lower Upper

91 100

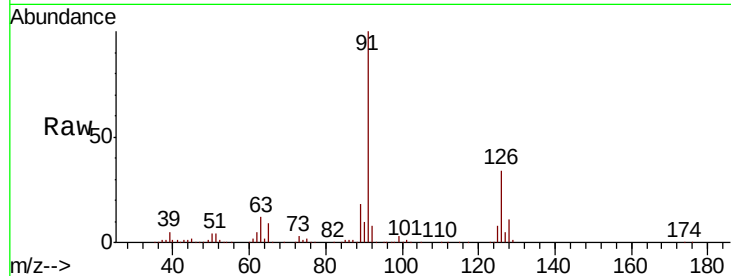
126 35.0 14.3 57.1

Manual Integrations

APPROVED

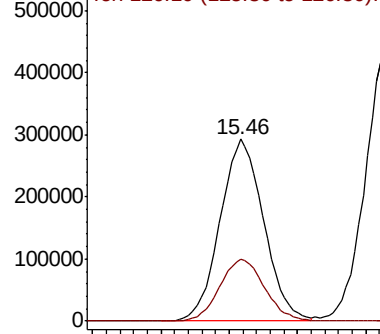
MMDadoda

11/5/2020 2:13:13 PM

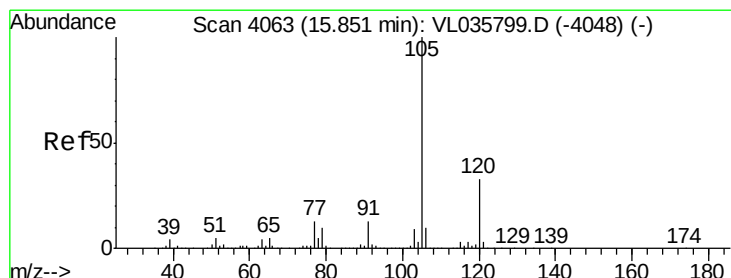
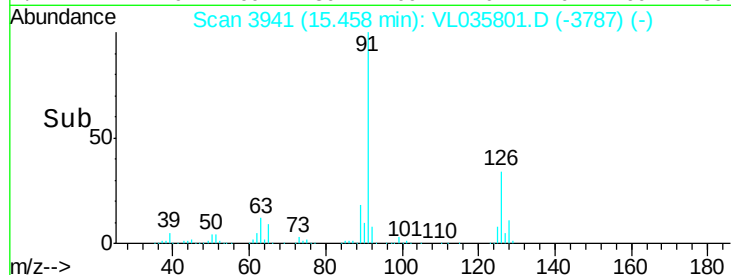


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



Time--> 15.35 15.40 15.45 15.50



#72

4-Ethyltoluene

Concen: 1.239 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion: 105 Resp: 680601

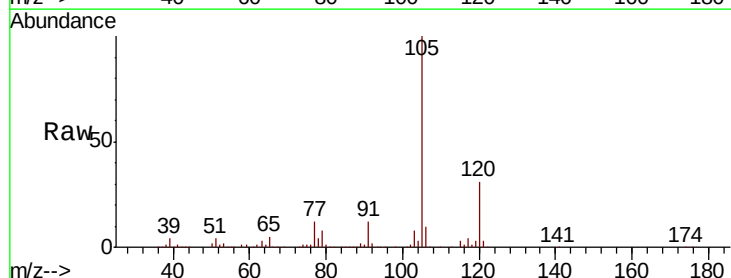
Ion Ratio Lower Upper

105 100

120 31.8 25.9 38.9

91 11.3 9.9 14.9

77 11.5 10.2 15.2

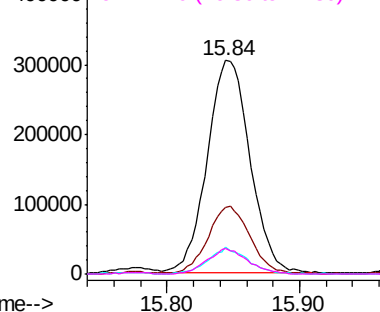


Abundance Ion 105.10 (104.80 to 105.80): V

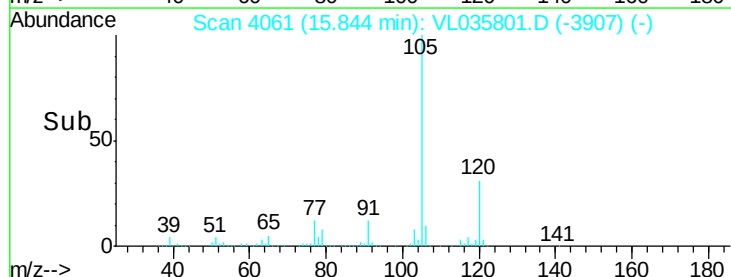
Ion 120.20 (119.90 to 120.90): V

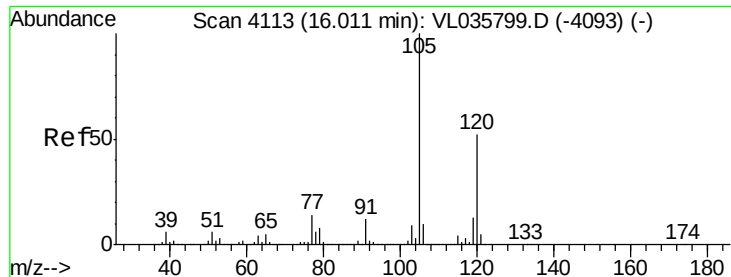
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time--> 15.80 15.90





#73

1,3,5-Trimethylbenzene

Concen: 1.214 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 630456

Ion Ratio Lower Upper

105 100

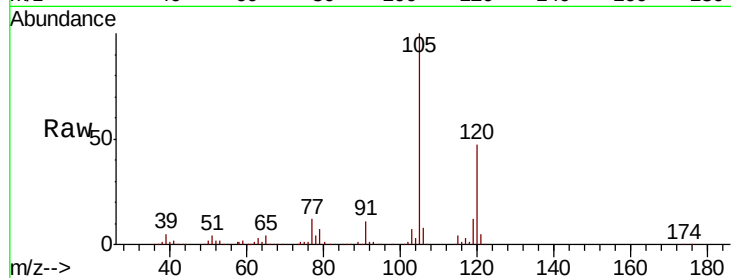
120 47.4 41.4 62.2

Manual Integrations

APPROVED

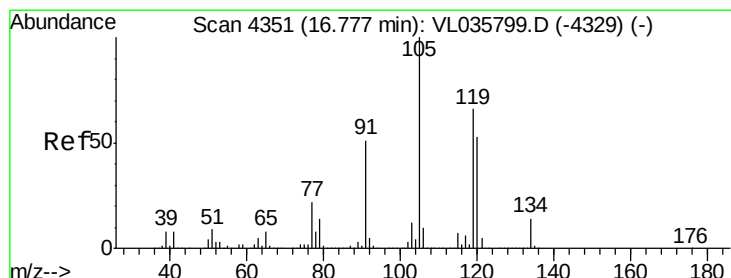
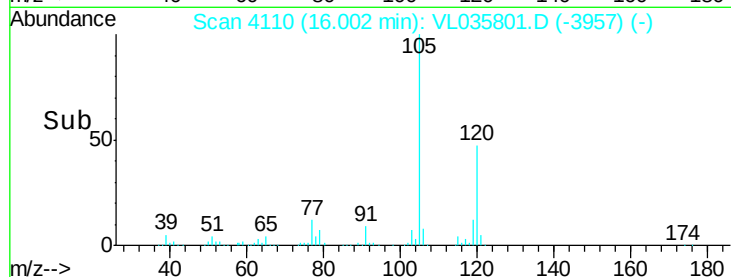
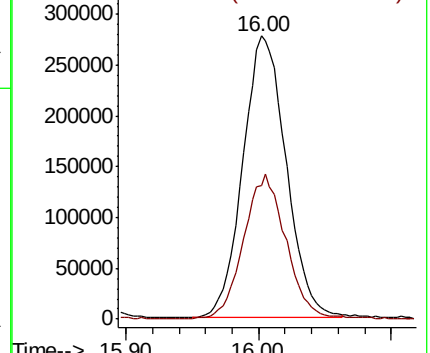
MMDadoda

11/5/2020 2:13:13 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: 1.188 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion:105 Resp: 695009

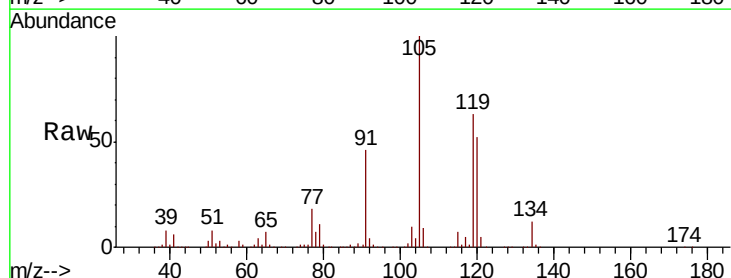
Ion Ratio Lower Upper

105 100

120 51.4 42.0 63.0

91 44.4 41.0 61.6

77 17.6 17.3 25.9

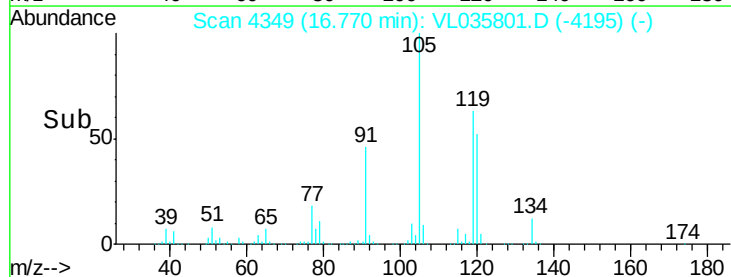
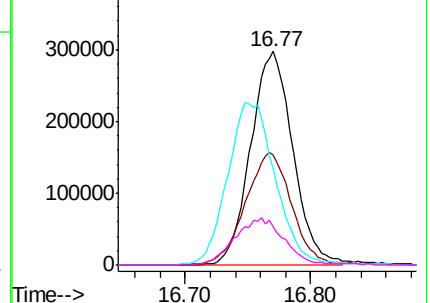


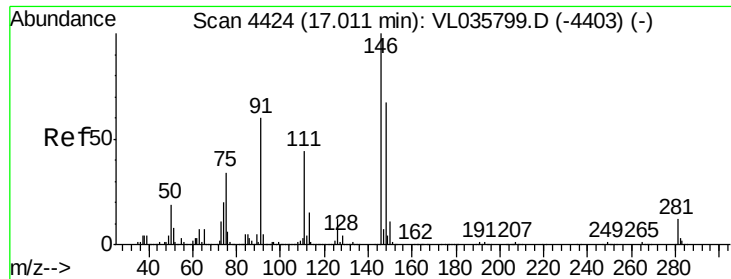
Abundance Ion 105.10 (104.80 to 105.80): V

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





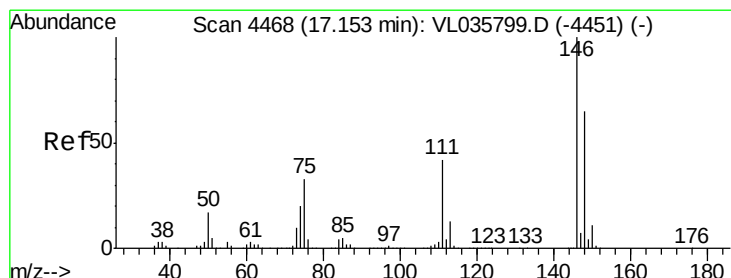
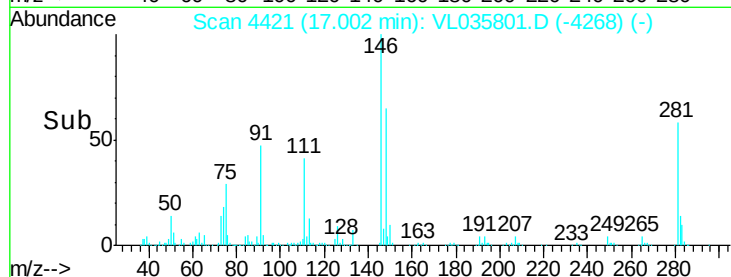
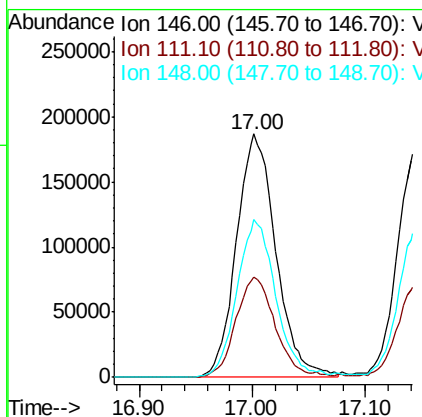
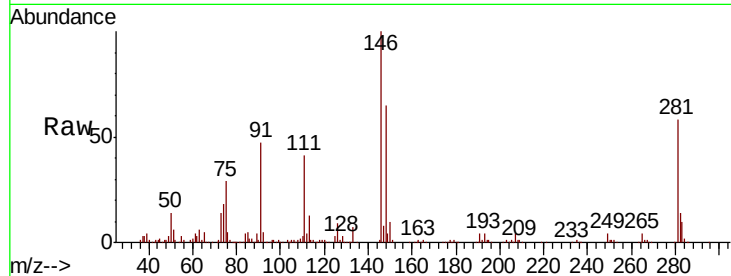
#75
 1,3-Dichlorobenzene
 Concen: 1.134 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.8	65.4
148	64.3	32.5	97.5

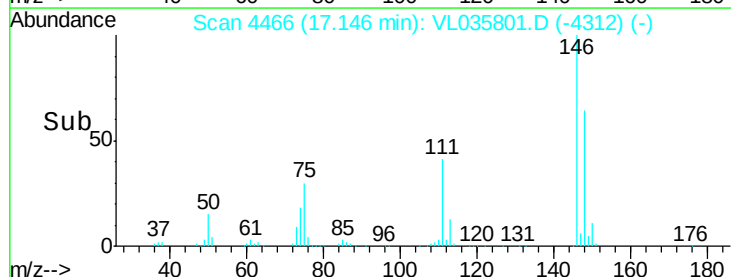
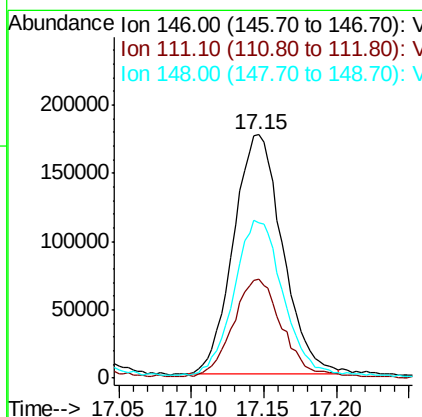
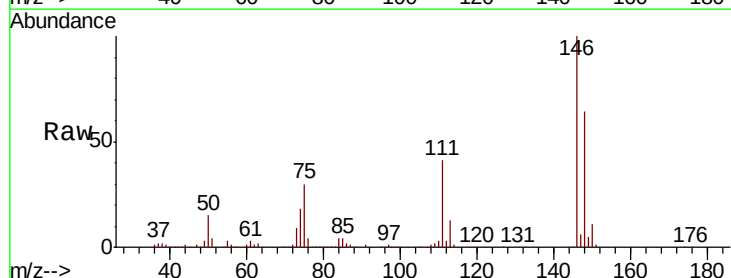
Manual Integrations
 APPROVED

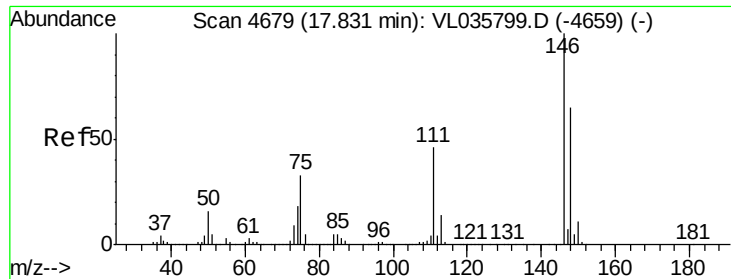
MMDadoda
 11/5/2020 2:13:13 PM



#76
 1,4-Dichlorobenzene
 Concen: 1.071 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.7
148	69.4	33.0	99.0





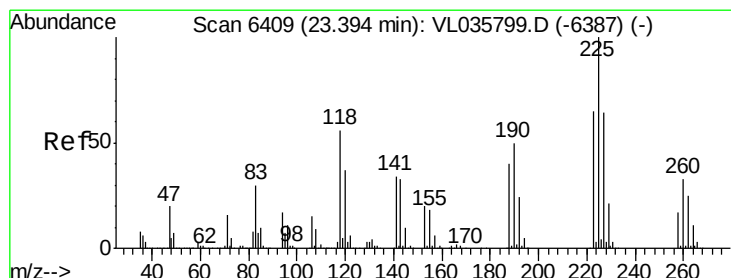
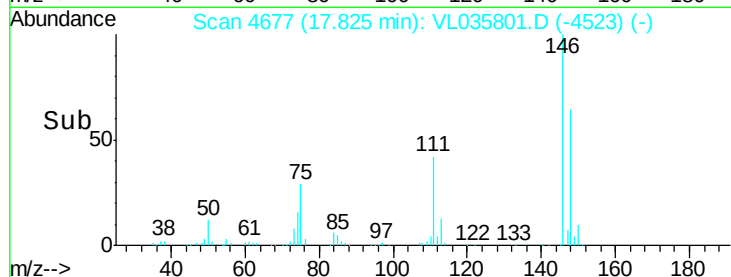
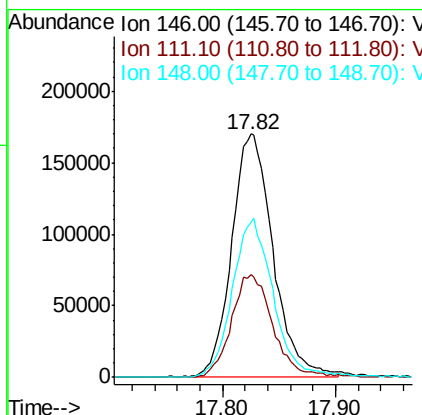
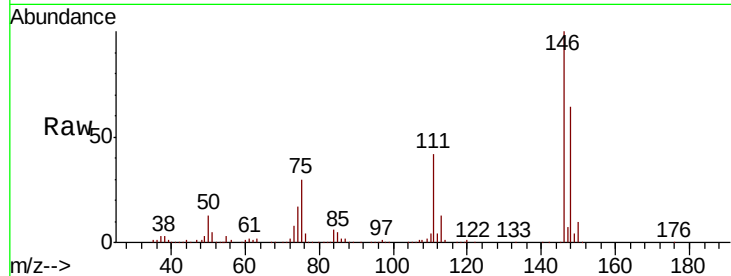
#77
 1,2-Dichlorobenzene
 Concen: 1.135 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.4	67.0
148	65.4	32.5	97.5

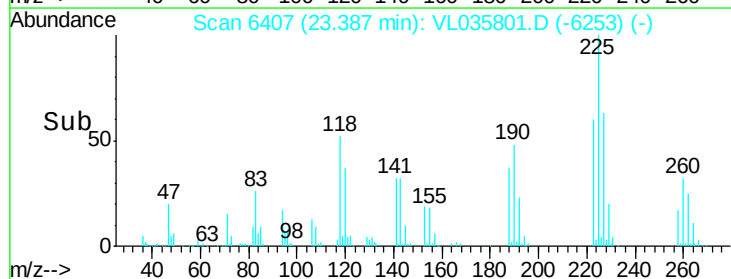
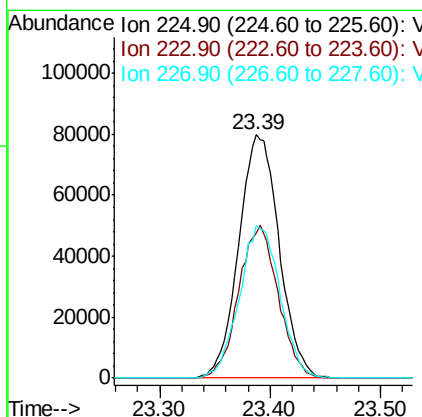
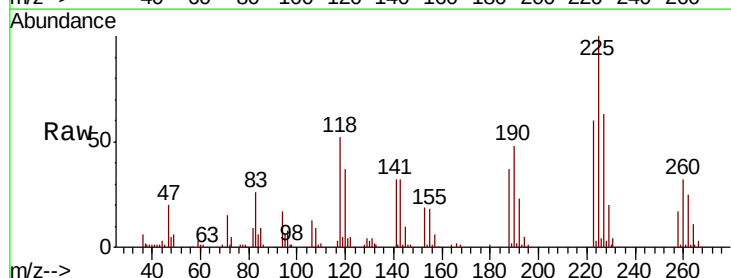
Manual Integrations
 APPROVED

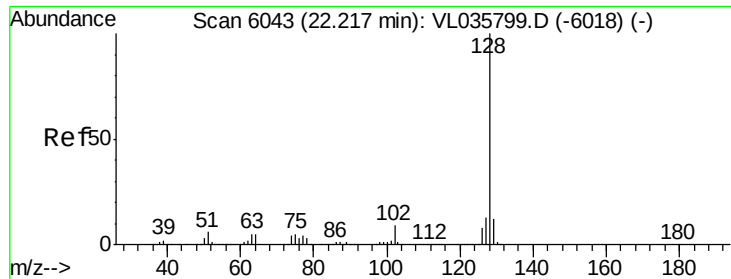
MMDadoda
 11/5/2020 2:13:13 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.974 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. -0.01 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.0	76.6
227	63.2	51.2	76.8





#79

Naphthalene

Concen: 0.771 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Instrument :

MSVOA_L

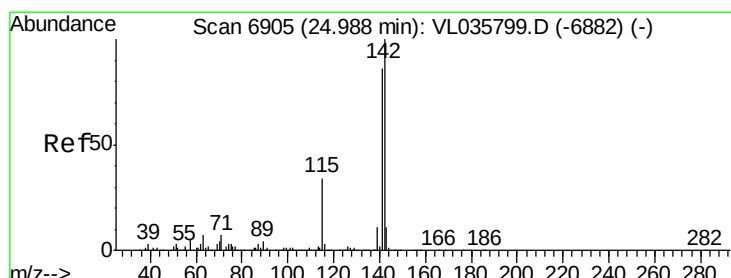
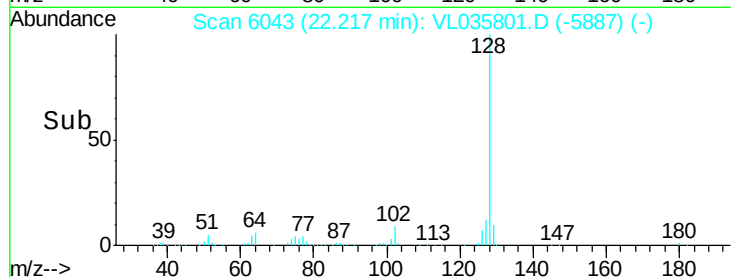
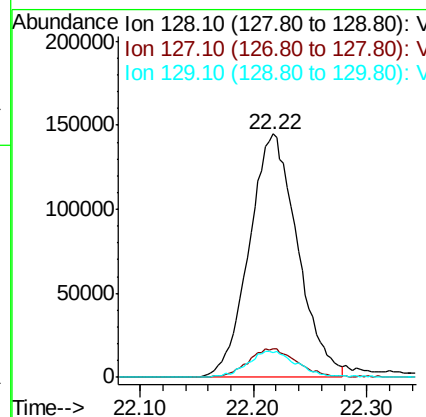
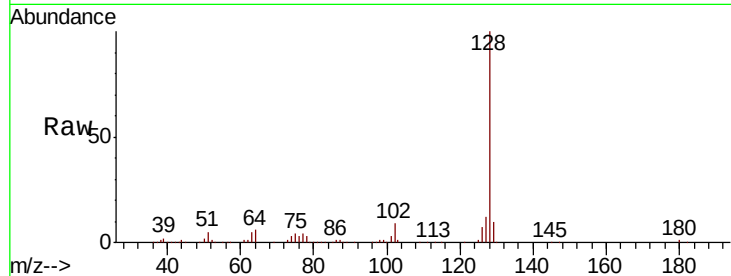
ClientSampleId :

VSTDIC001

Tot Ion	128	Resp	430195
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	10.3	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:13:13 PM



#80

Naphthalene, 2-methyl-

Concen: 0.358 ppbv

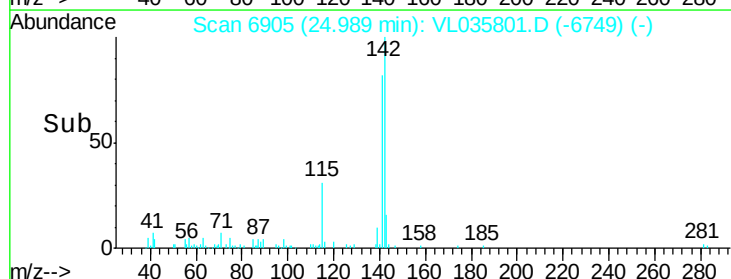
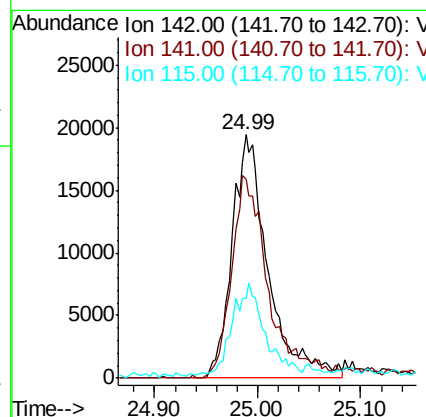
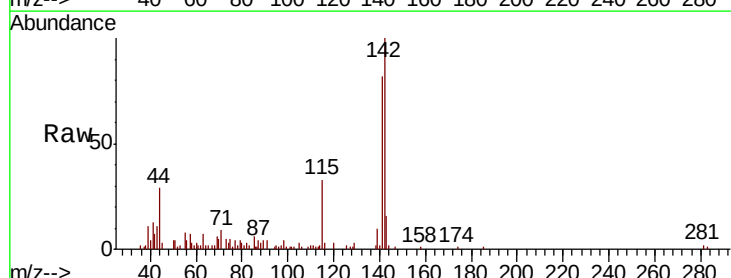
RT: 24.99 min Scan# 6905

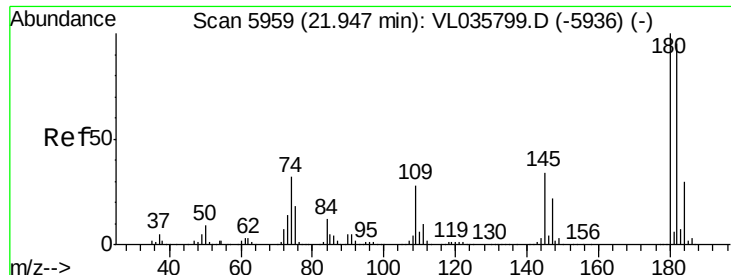
Delta R.T. 0.00 min

Lab File: VL035801.D

Acq: 3 Nov 2020 11:49

Tgt Ion	142	Resp	47155
Ion	Ratio	Lower	Upper
142	100		
141	87.2	67.8	101.8
115	36.3	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 0.888 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. 0.00 min
 Lab File: VL035801.D
 Acq: 3 Nov 2020 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256883		
182	98.8		77.2	115.8
184	30.2		24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:13 PM

