

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035334.D
 Acq On : 5 Aug 2020 9:20
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:51 PM

Quant Time: Aug 05 10:07:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1448294	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3644616	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3536752	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2866300	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	349626	1.845 ppbv	98
3) Chlorodifluoromethane	2.94	51	356267	2.140 ppbv	97
4) Chloromethane	3.10	50	200685	2.111 ppbv	91
5) Vinyl Chloride	3.21	62	199302	2.154 ppbv	100
6) Bromomethane	3.43	94	122168	2.007 ppbv	89
7) Chloroethane	3.51	64	75485	2.052 ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	480443	2.102 ppbv	99
9) Propene	2.96	41	127447	2.119 ppbv	98
10) Heptane	8.12	43	328377	2.127 ppbv	99
11) Trichlorofluoromethane	3.92	101	526784	2.128 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	373180	2.163 ppbv	97
13) Ethanol	3.56	45	48950m	2.203 ppbv	
14) Bromoethene	3.70	108	149748	2.108 ppbv	99
15) Acetone	3.82	43	445894	2.129 ppbv	94
16) 1,3-Butadiene	3.28	39	160378	2.053 ppbv	93
17) tert-Butyl alcohol	4.26	59	408634	2.142 ppbv	99
18) 1,1-Dichloroethene	4.26	96	163630	2.107 ppbv	92
19) Isopropyl Alcohol	3.93	45	284342	2.161 ppbv #	98
20) Methylene Chloride	4.31	84	178286	1.864 ppbv	90
21) Allyl Chloride	4.38	41	254785	2.148 ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	150099	1.948 ppbv	97
23) Vinyl Acetate	5.05	43	441907	2.129 ppbv #	96
24) 1,1-Dichloroethane	4.99	63	395781	2.050 ppbv	99
25) Ethyl Acetate	5.66	43	683491	2.159 ppbv	99
26) Hexane	5.67	57	306749	2.164 ppbv	99
27) Carbon Disulfide	4.52	76	398247	2.088 ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	436123	2.048 ppbv	100
29) Chloroform	5.73	83	498362	2.079 ppbv	93
30) Cyclohexane	7.13	84	218400	2.054 ppbv	94
31) cis-1,2-Dichloroethene	5.53	61	262007	2.004 ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	470509	2.029 ppbv	99
34) 2-Butanone	5.23	43	406369	2.118 ppbv	97
35) Carbon Tetrachloride	7.01	117	500339	2.123 ppbv	93
36) Benzene	6.89	78	542119	2.029 ppbv	96
37) 1,2-Dichloroethane	6.30	62	367939	2.033 ppbv	100
38) Trichloroethene	7.84	130	228345	2.326 ppbv	97
39) 1,2-Dichloropropane	7.62	63	218234	2.072 ppbv	90
40) 1,4-Dioxane	7.85	88	89895m	1.966 ppbv	
41) Tetrahydrofuran	6.04	42	205189	2.168 ppbv	94
42) Bromodichloromethane	7.79	83	491263	1.989 ppbv	98
43) Methyl Methacrylate	8.02	69	229353	2.054 ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035334.D
 Acq On : 5 Aug 2020 9:20
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

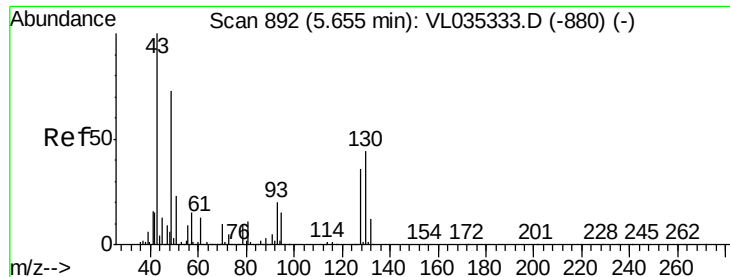
MMDadoda
 8/6/2020 12:48:51 PM

Quant Time: Aug 05 10:07:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 2020
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.87	57	990317	2.163	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	212597	1.784	ppbv #	81
46) cis-1,3-Dichloropropene	8.72	75	267403	1.874	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	258413m	2.114	ppbv	
48) Dibromochloromethane	10.32	129	417923	2.102	ppbv	98
49) Bromoform	13.06	173	374425m	2.162	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	623932	2.302	ppbv	99
51) 2-Hexanone	10.15	43	498060	2.375	ppbv #	96
52) Tetrachloroethene	11.24	164	204733	2.175	ppbv	94
53) Toluene	9.82	91	595176	2.118	ppbv	99
54) 1,2-Dibromoethane	10.63	107	359910	1.989	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	344681	2.077	ppbv #	1
57) Chlorobenzene	12.17	112	556841	2.057	ppbv	96
58) Ethyl Benzene	12.73	91	831489	2.146	ppbv	98
59) m/p-Xylene	13.01	91	1525057m	4.265	ppbv	
60) o-Xylene	13.72	91	779528	2.205	ppbv	96
61) Styrene	13.55	104	469021	2.158	ppbv	98
62) Isopropylbenzene	14.70	105	1135599	2.130	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	583290	2.104	ppbv	100
64) n-propylbenzene	15.59	120	291716	2.091	ppbv	79
65) tert-Butylbenzene	16.78	119	1063734	2.228	ppbv	97
66) Benzyl Chloride	17.02	91	374523	2.029	ppbv	98
67) sec-Butylbenzene	17.33	105	1536395	2.276	ppbv	96
69) p-Isopropyltoluene	17.69	119	1255570	2.248	ppbv	99
70) n-Butylbenzene	18.59	91	1344159	2.237	ppbv	96
71) 2-Chlorotoluene	15.48	91	856874	2.153	ppbv	96
72) 4-Ethyltoluene	15.87	105	867504	2.175	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	843367	2.159	ppbv	93
74) 1,2,4-Trimethylbenzene	16.80	105	952500	2.126	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	585935	2.103	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	540873	2.051	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	544396	2.119	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	475363	2.278	ppbv	99
79) Naphthalene	22.26	128	697075	1.966	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	58540	0.562	ppbv	91
81) 1,2,4-Trichlorobenzene	21.98	180	437707m	2.029	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1448294

Ion Ratio Lower Upper

49 100

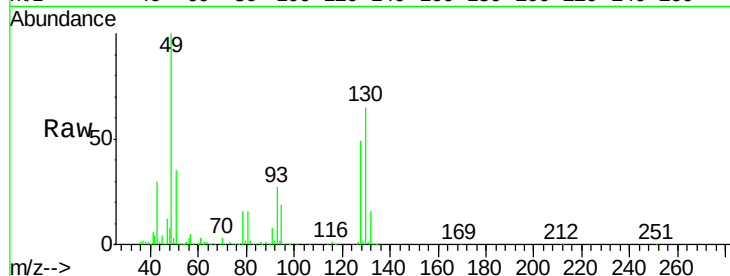
128 50.0 25.4 76.0

130 65.6 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

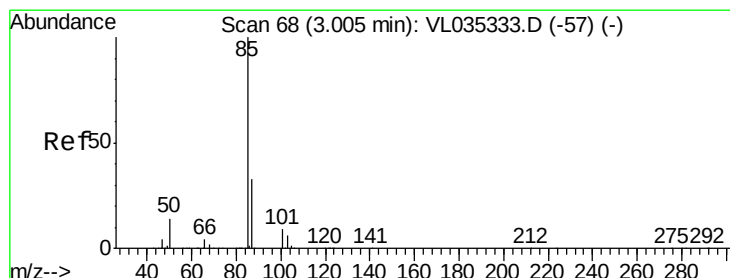
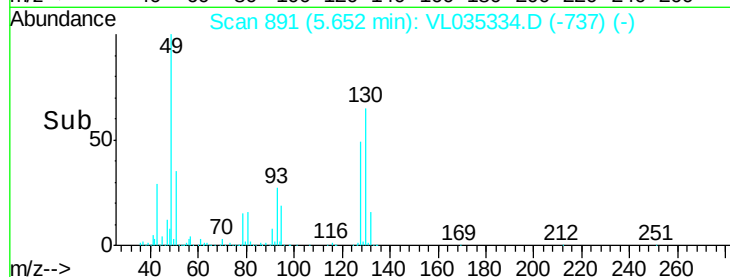
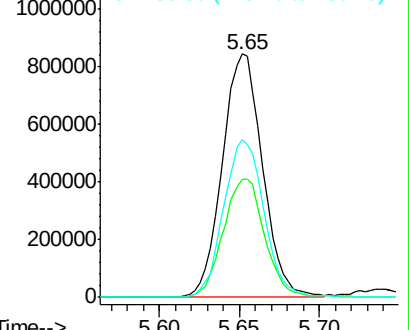
8/6/2020 12:48:51 PM



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: 1.845 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035334.D

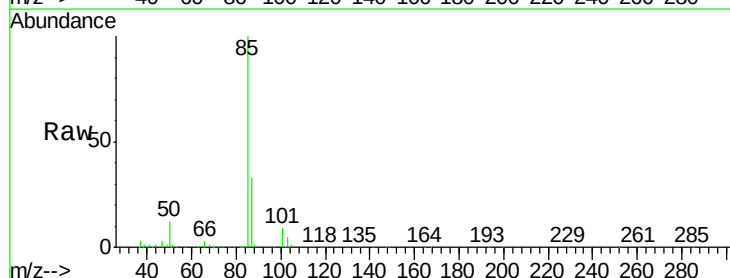
Acq: 5 Aug 2020 9:20

Tgt Ion: 85 Resp: 349626

Ion Ratio Lower Upper

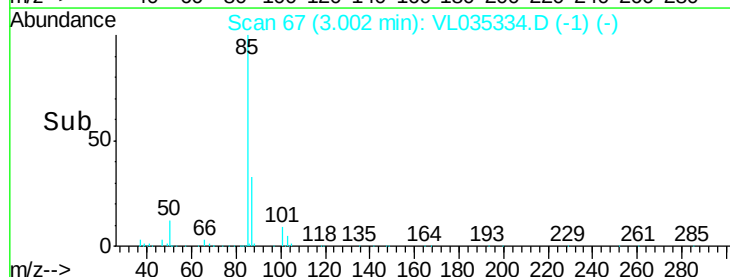
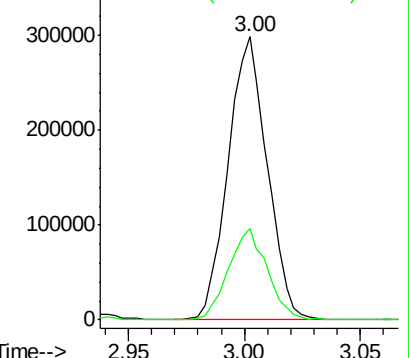
85 100

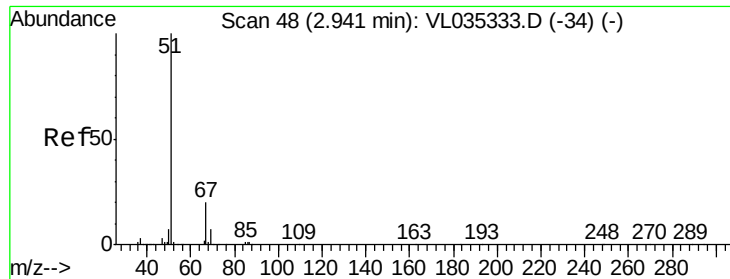
87 32.5 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





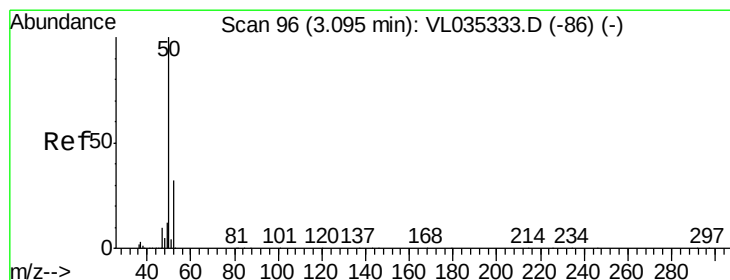
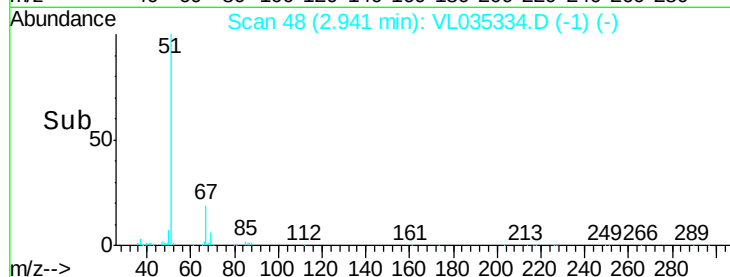
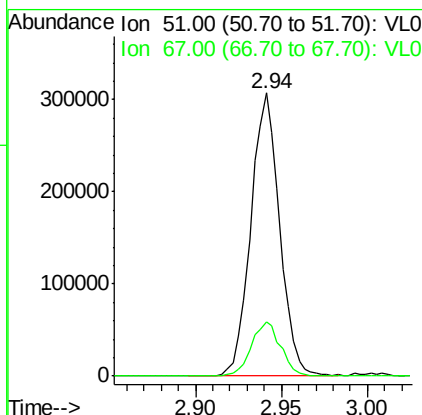
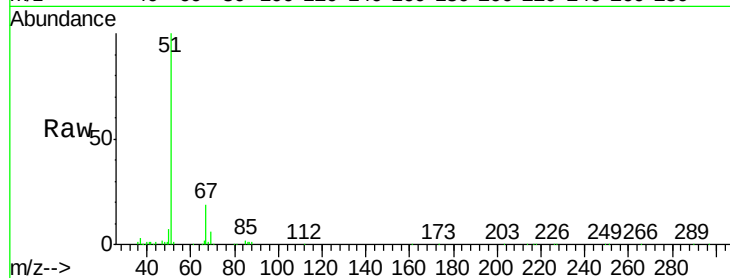
#3
Chlorodifluoromethane
Concen: 2.140 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.6	16.6	25.0

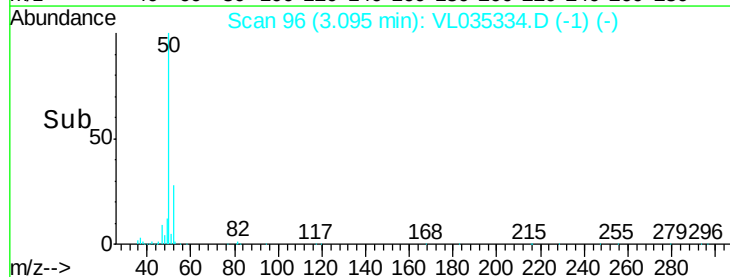
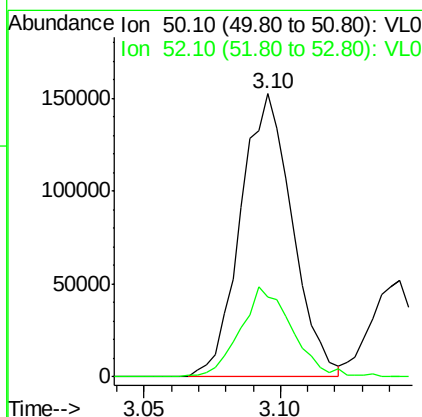
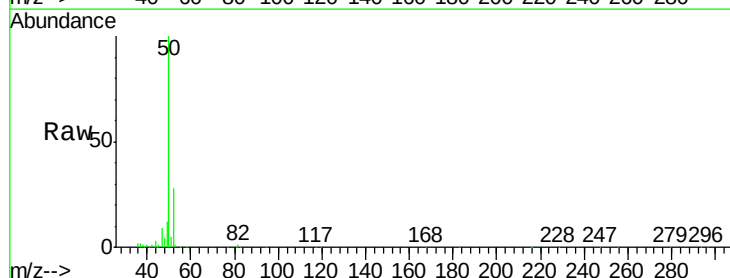
Manual Integrations
APPROVED

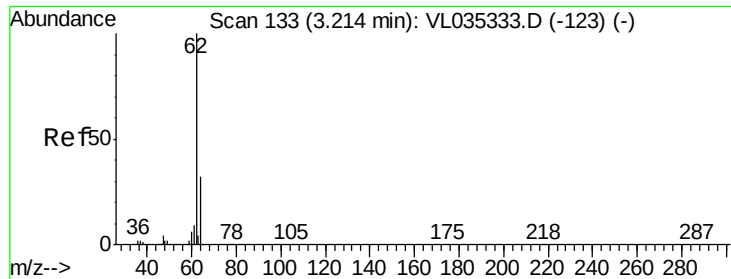
MMDadoda
8/6/2020 12:48:51 PM



#4
Chloromethane
Concen: 2.111 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.5	26.0	39.0





#5

Vinyl Chloride

Concen: 2.154 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 199302

Ion Ratio Lower Upper

62 100

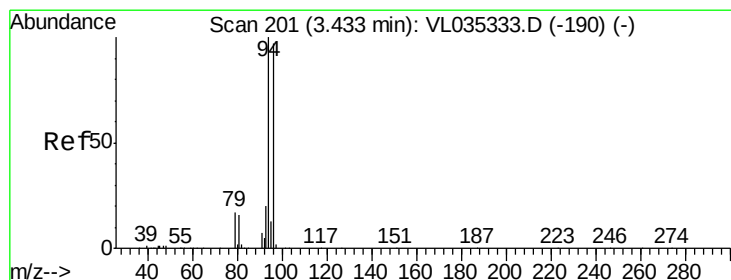
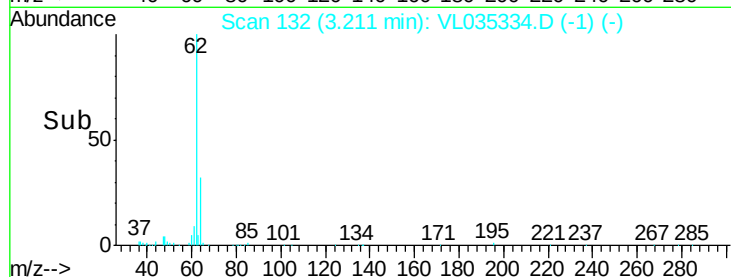
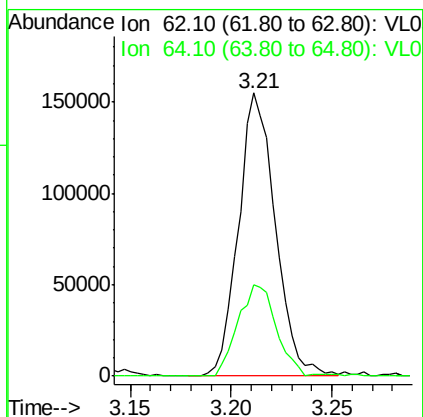
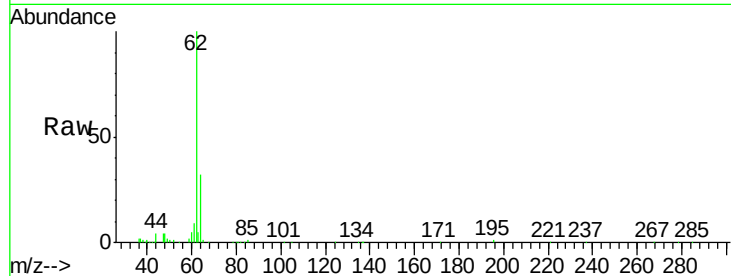
64 32.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:51 PM



#6

Bromomethane

Concen: 2.007 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035334.D

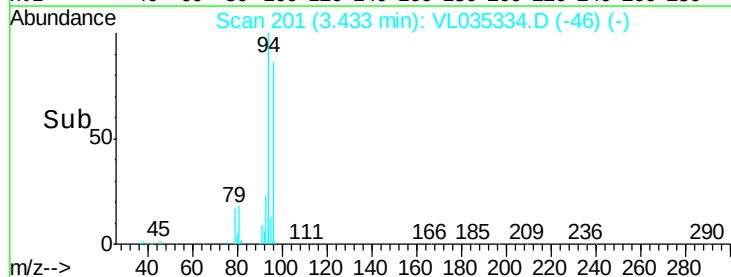
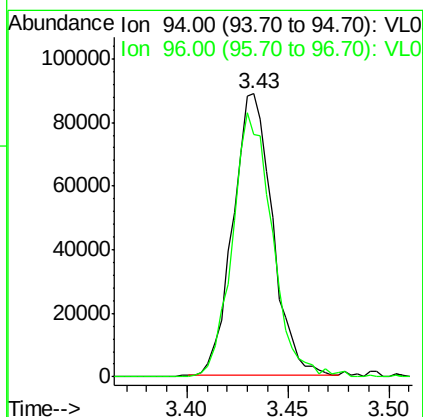
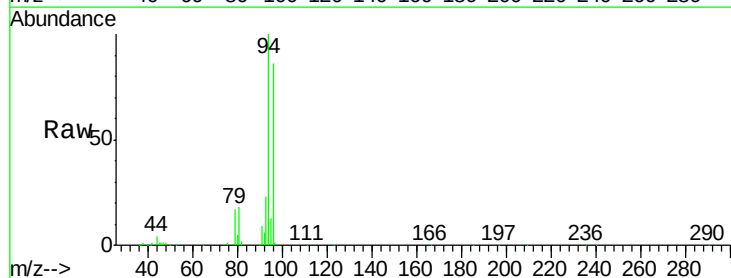
Acq: 5 Aug 2020 9:20

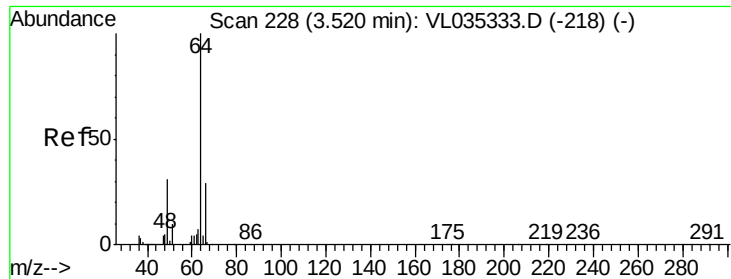
Tgt Ion: 94 Resp: 122168

Ion Ratio Lower Upper

94 100

96 86.2 77.3 115.9





#7

Chloroethane

Concen: 2.052 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 75485

Ion Ratio Lower Upper

64 100

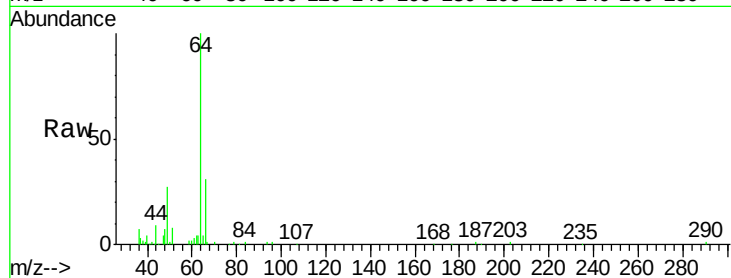
66 31.8 23.0 34.6

Manual Integrations

APPROVED

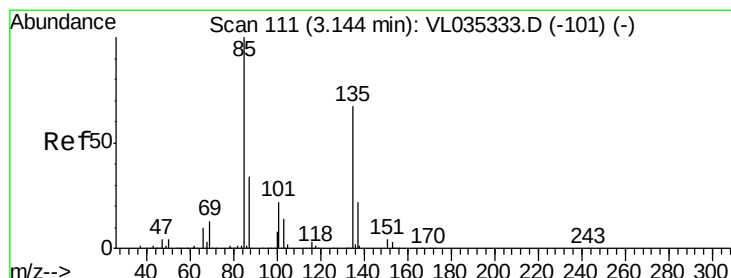
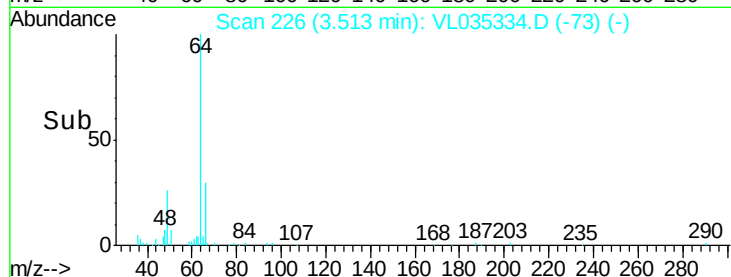
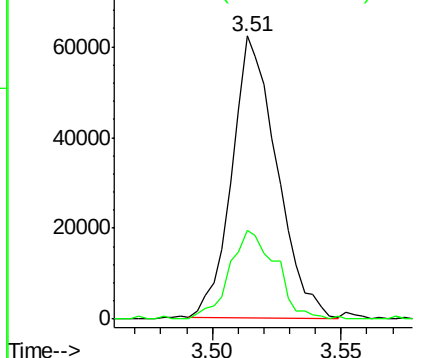
MMDadoda

8/6/2020 12:48:51 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.102 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035334.D

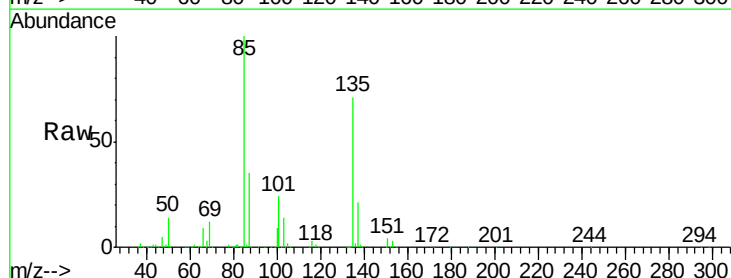
Acq: 5 Aug 2020 9:20

Tgt Ion: 85 Resp: 480443

Ion Ratio Lower Upper

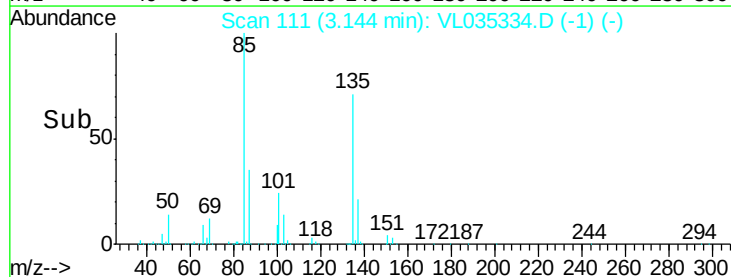
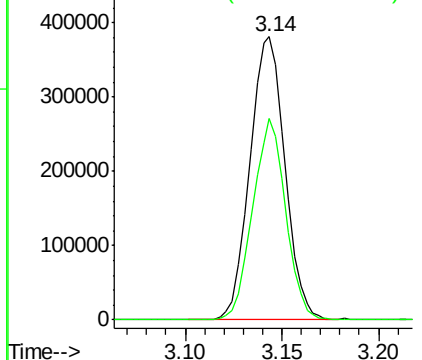
85 100

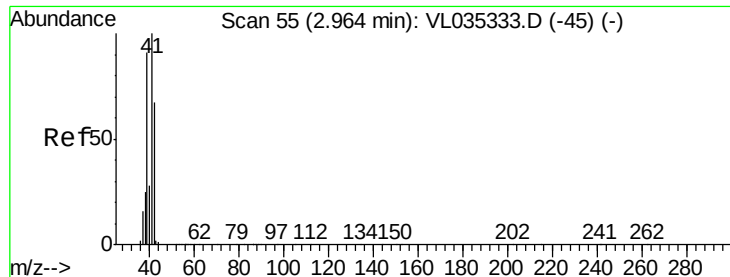
135 67.2 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





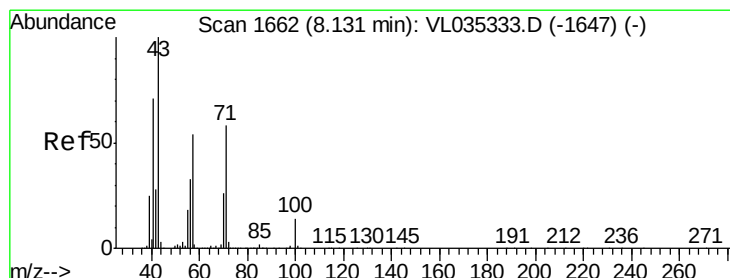
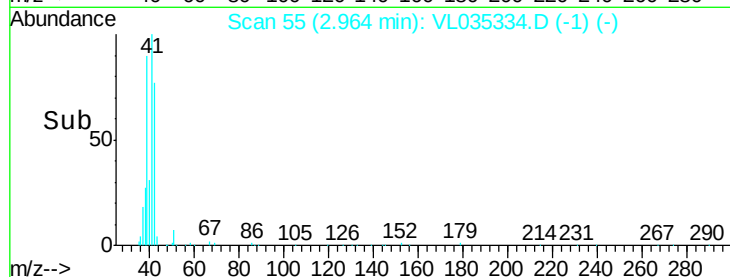
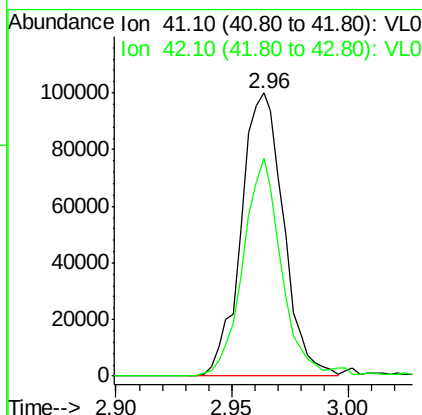
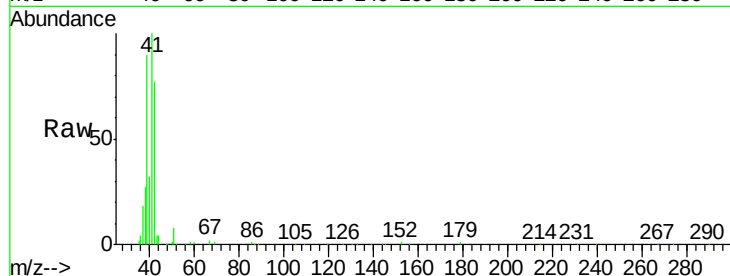
#9
 Propene
 Concen: 2.119 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
42	70.9	55.3	82.9

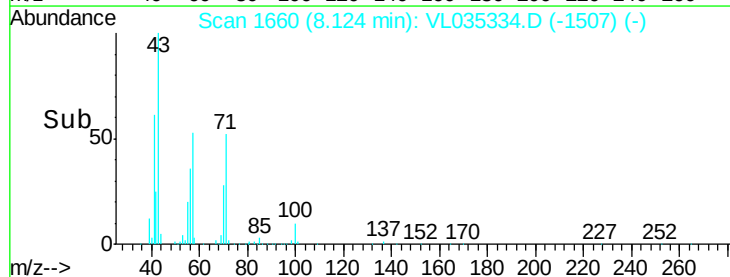
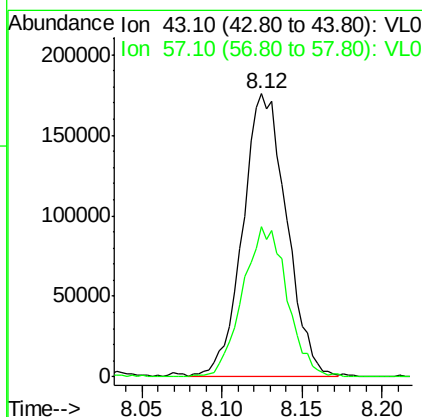
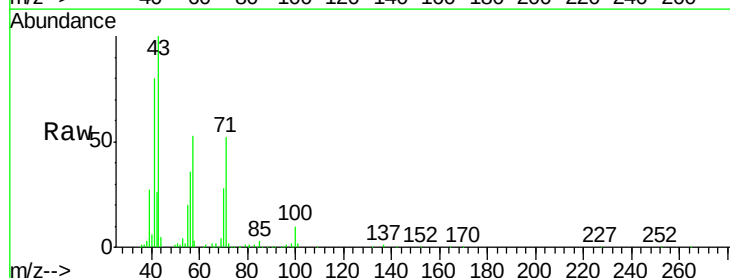
Manual Integrations
 APPROVED

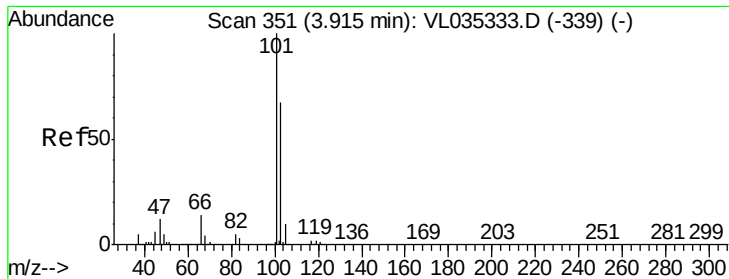
MMDadoda
 8/6/2020 12:48:51 PM



#10
 Heptane
 Concen: 2.127 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	54.3	43.0	64.6





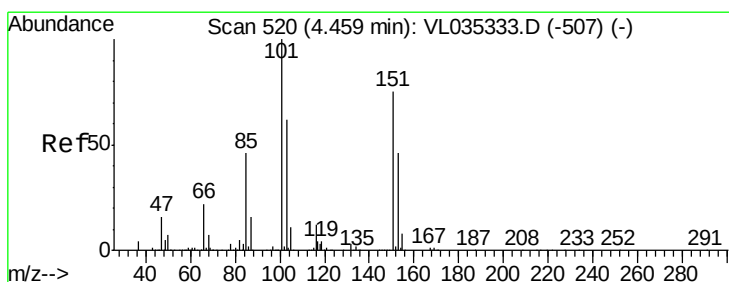
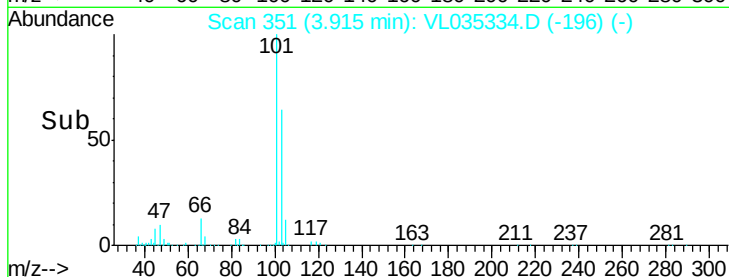
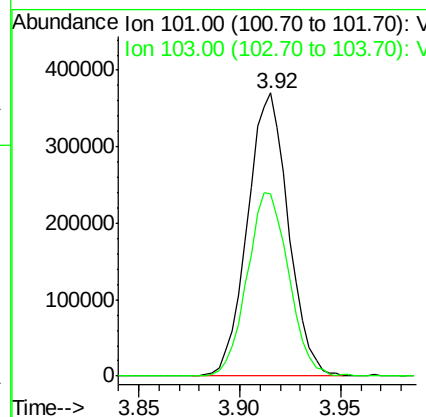
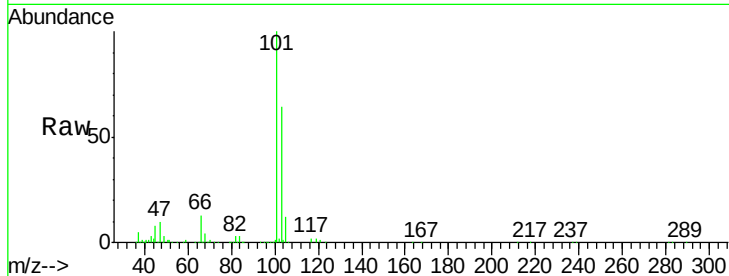
#11
 Trichlorofluoromethane
 Concen: 2.128 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.8	80.8

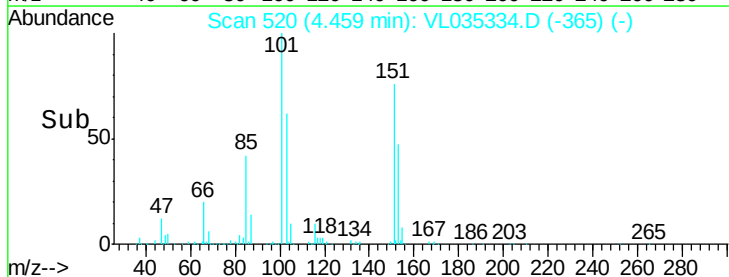
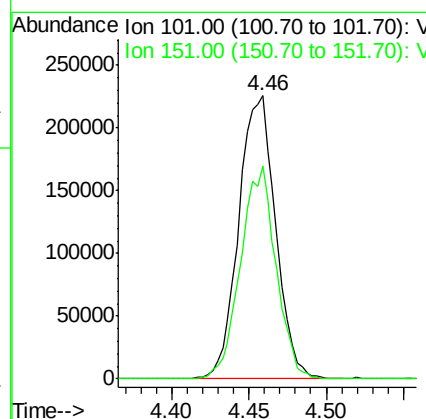
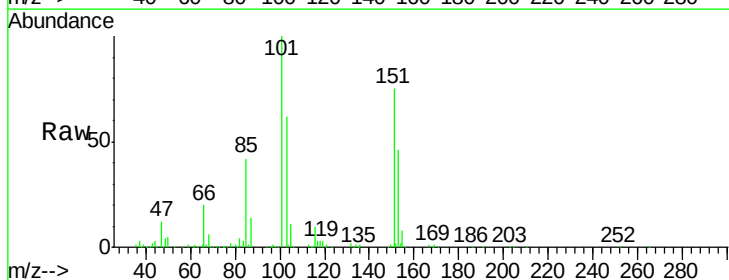
Manual Integrations
 APPROVED

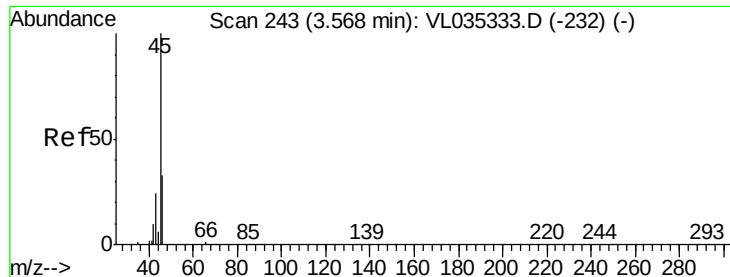
MMDadoda
 8/6/2020 12:48:51 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.163 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.2	59.5	89.3





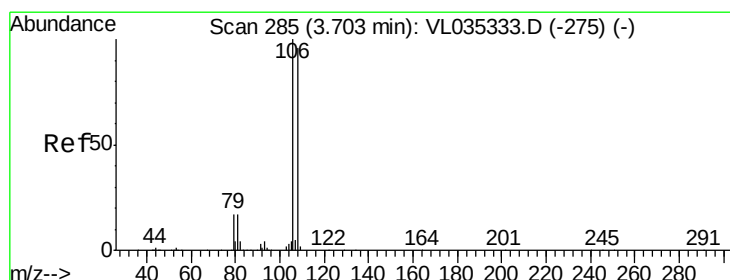
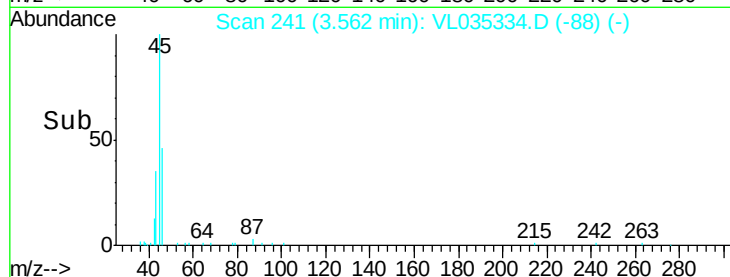
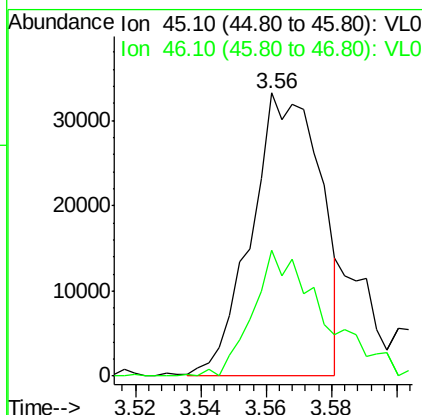
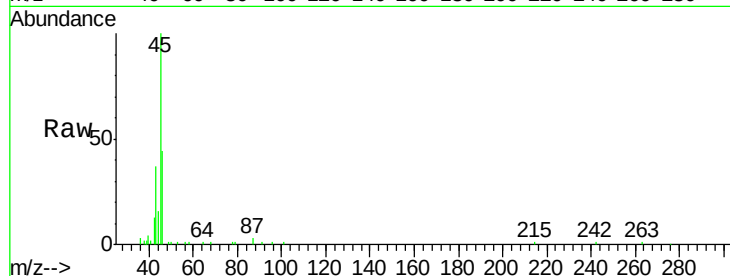
#13
Ethanol
Concen: 2.203 ppbv m
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.2	61.0#

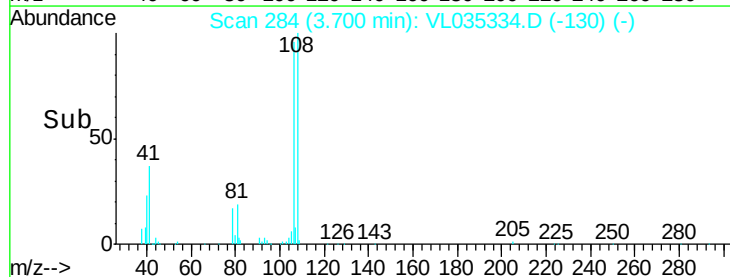
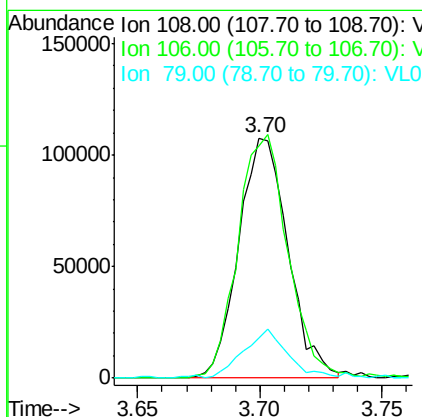
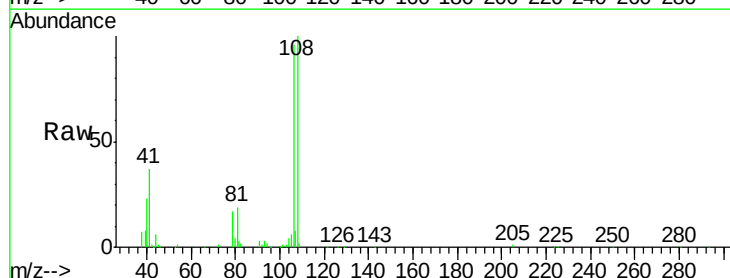
Manual Integrations
APPROVED

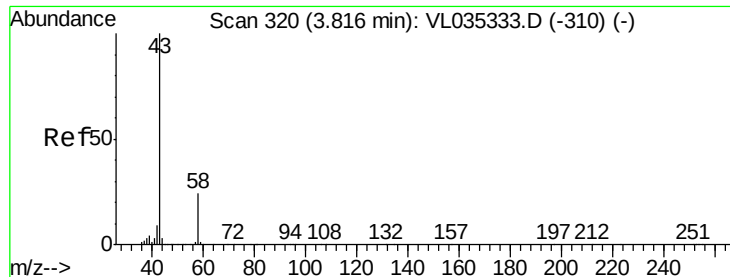
MMDadoda
8/6/2020 12:48:51 PM



#14
Bromoethene
Concen: 2.108 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.8	85.0	127.6
79	19.3	15.0	22.6





#15

Acetone

Concen: 2.129 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 445894

Ion Ratio Lower Upper

43 100

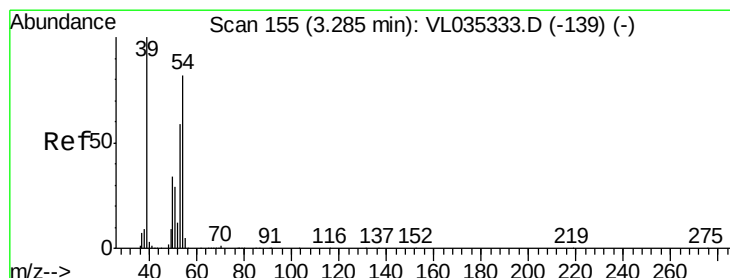
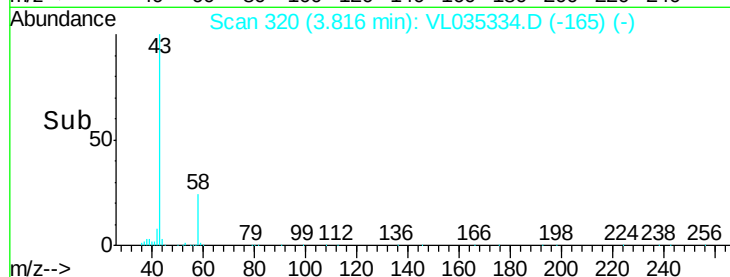
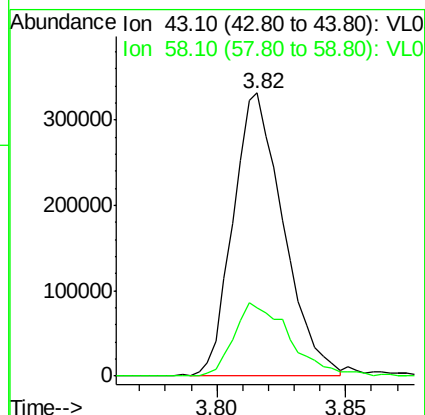
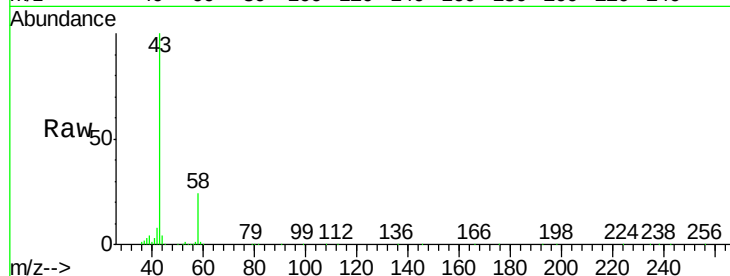
58 29.3 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:51 PM



#16

1,3-Butadiene

Concen: 2.053 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035334.D

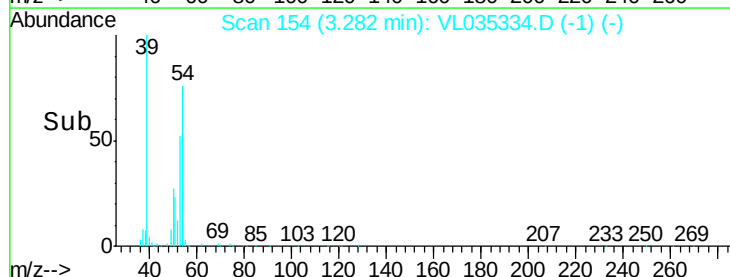
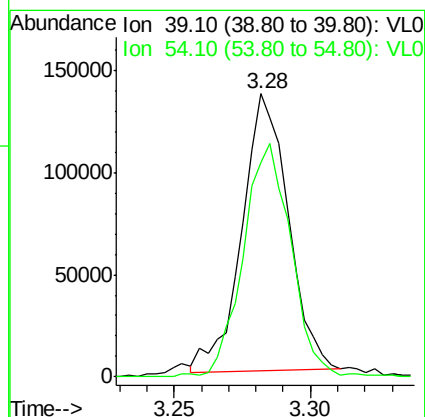
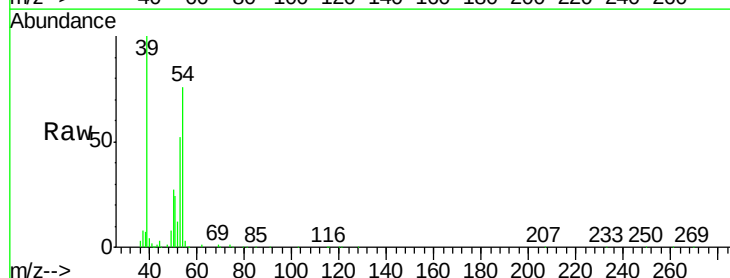
Acq: 5 Aug 2020 9:20

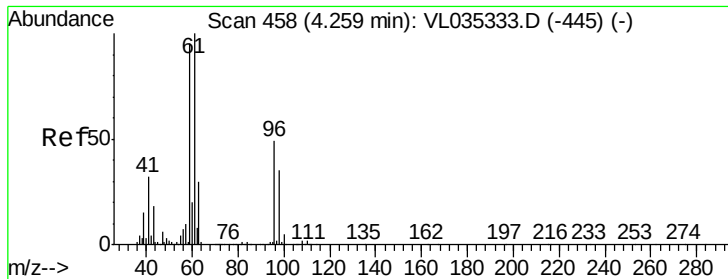
Tgt Ion: 39 Resp: 160378

Ion Ratio Lower Upper

39 100

54 87.0 64.4 96.6





#17

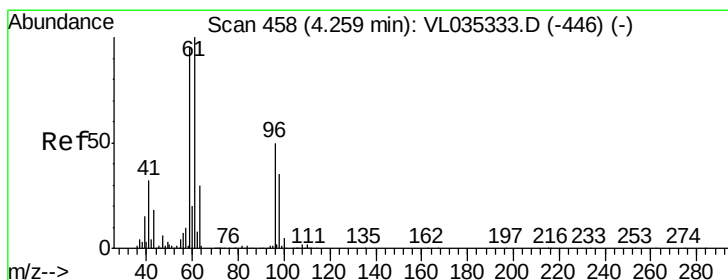
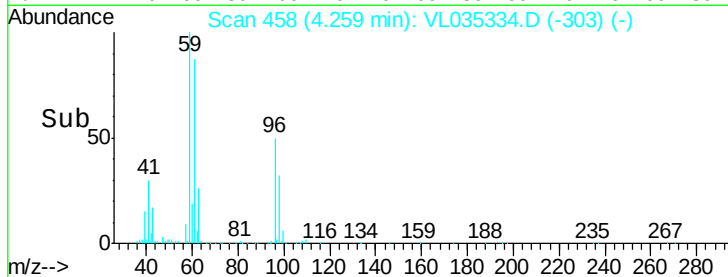
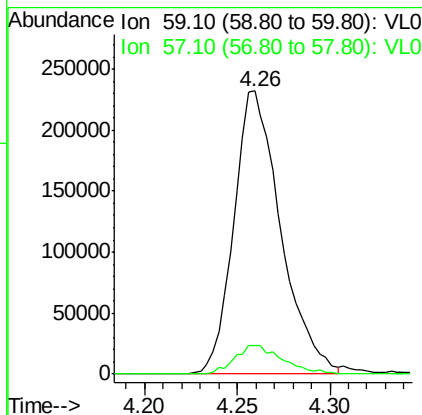
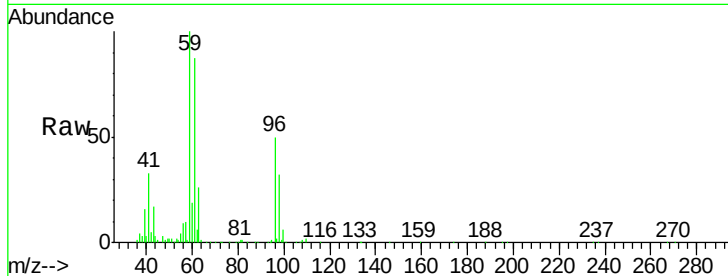
tert-Butyl alcohol
Concen: 2.142 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion	59	Resp	408634
Ion Ratio	59	100	
Lower	57	10.6	8.8
Upper			13.2

Manual Integrations
APPROVED

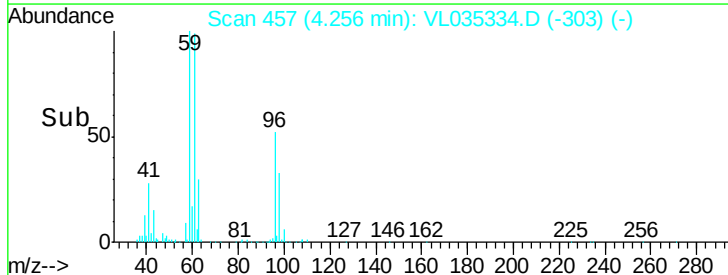
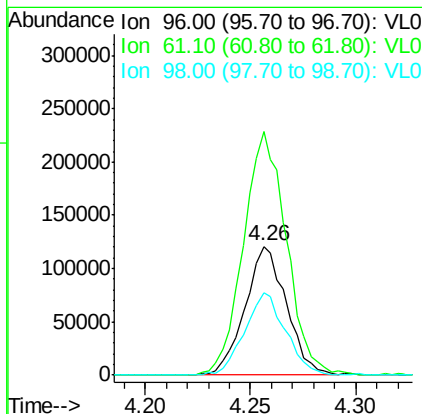
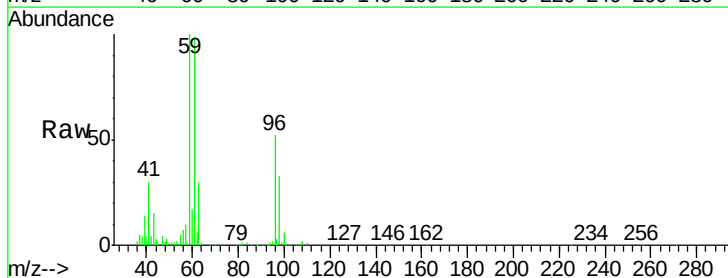
MMDadoda
8/6/2020 12:48:51 PM

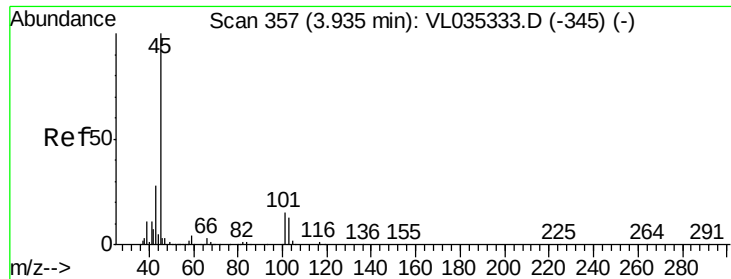


#18

1,1-Dichloroethene
Concen: 2.107 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	96	Resp	163630
Ion Ratio	96	100	
Lower	61	189.5	161.4
Upper	98	63.6	56.0





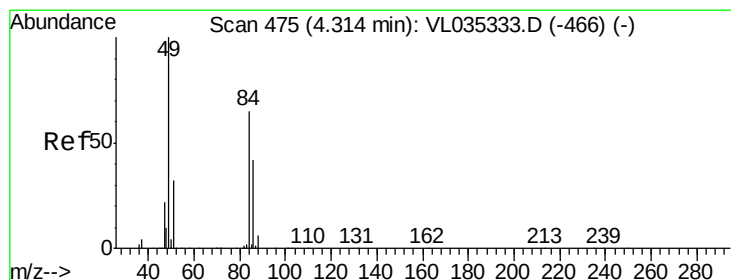
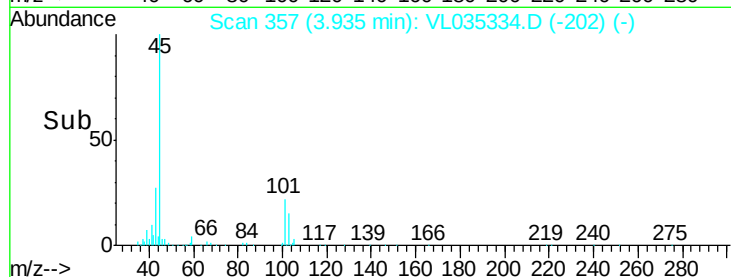
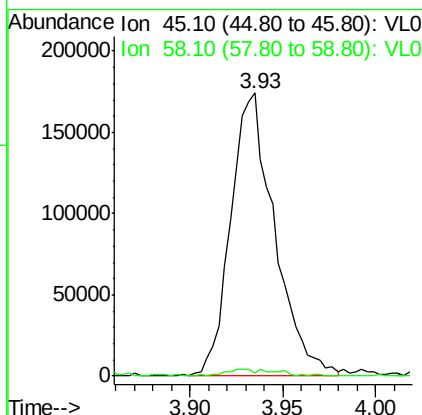
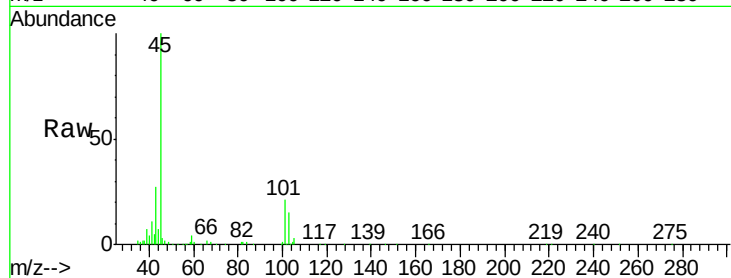
#19
Isopropyl Alcohol
Concen: 2.161 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.1	1.9	2.9#

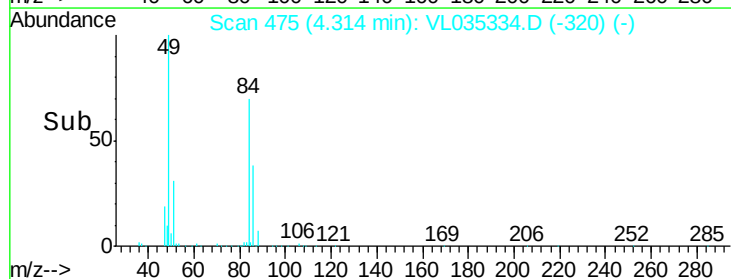
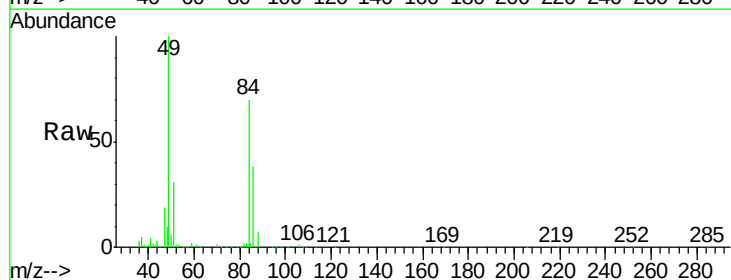
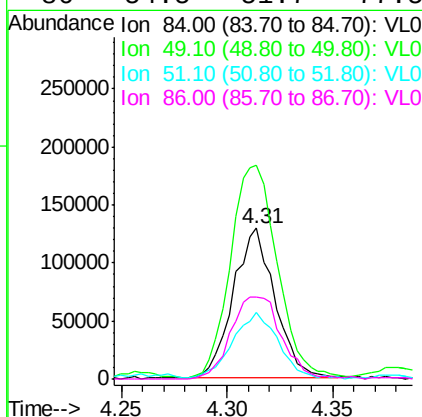
Manual Integrations
APPROVED

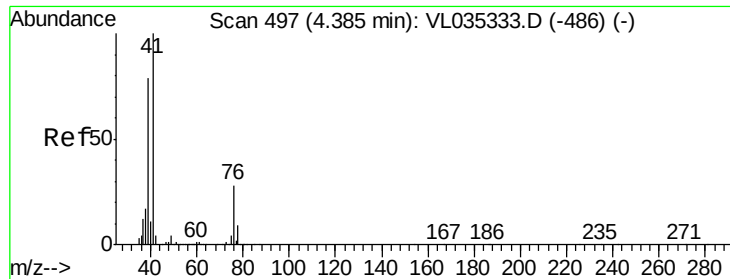
MMDadoda
8/6/2020 12:48:51 PM



#20
Methylene Chloride
Concen: 1.864 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.1	122.8	184.2
51	43.6	40.1	60.1
86	54.5	51.7	77.5





#21

Allvl Chloride

Concen: 2.148 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

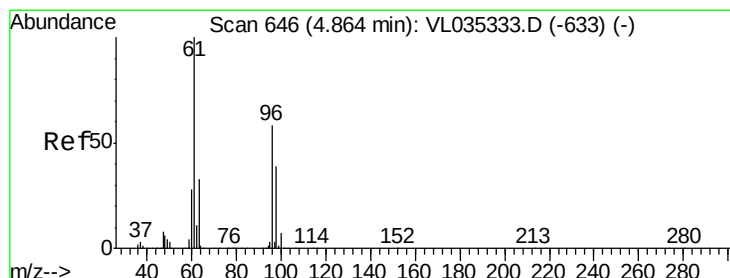
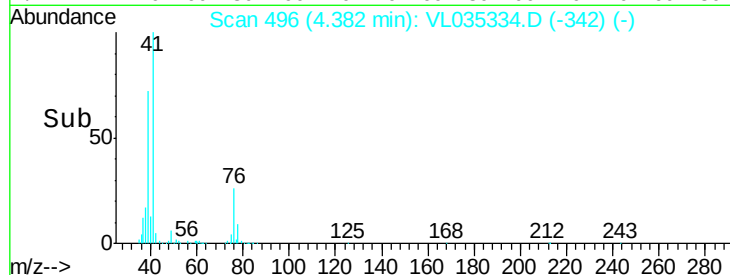
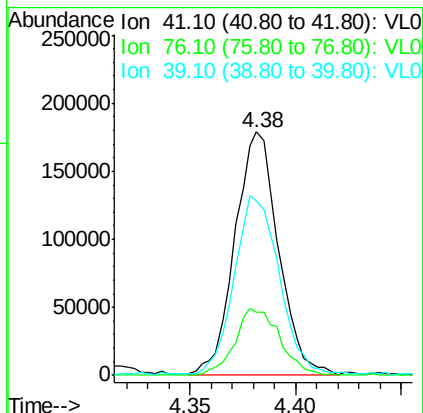
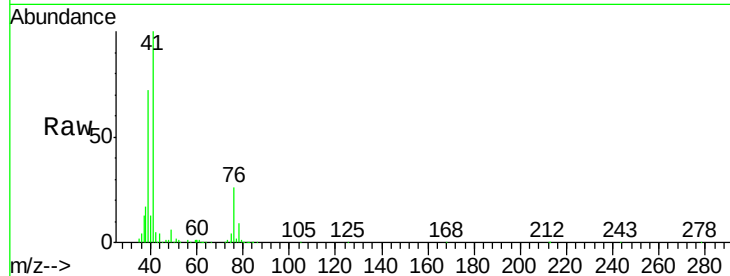
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	254785
Ion Ratio		Lower	Upper
41	100		
76	28.6	23.8	35.6
39	76.9	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#22

trans-1,2-Dichloroethene

Concen: 1.948 ppbv

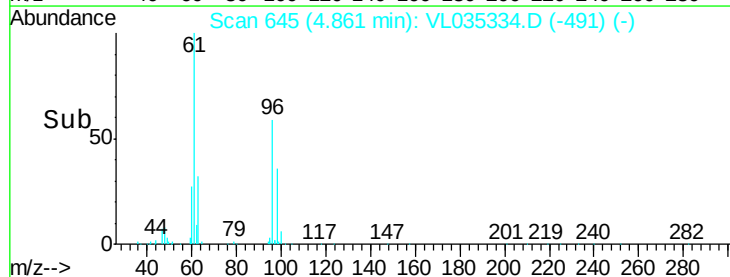
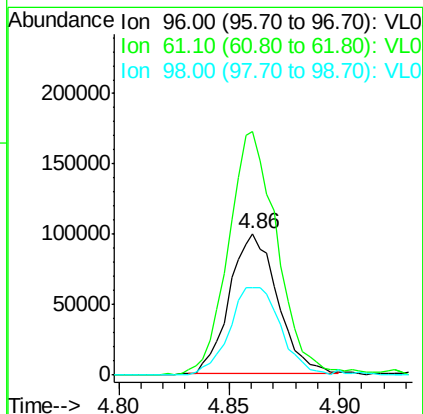
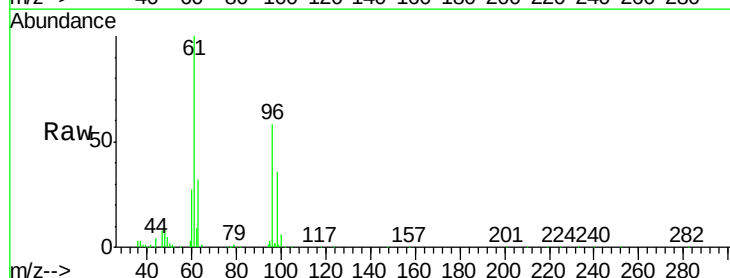
RT: 4.86 min Scan# 645

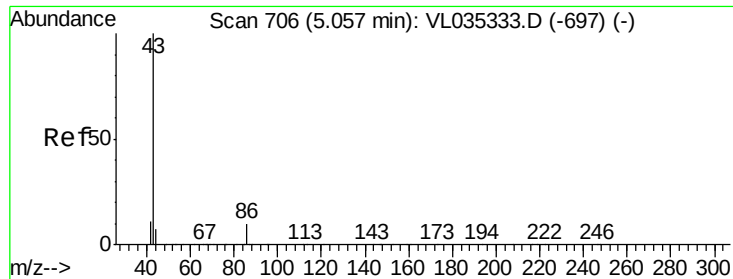
Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	96	Resp:	150099
Ion Ratio		Lower	Upper
96	100		
61	170.4	138.5	207.7
98	62.6	54.3	81.5





#23

Vinyl Acetate

Concen: 2.129 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

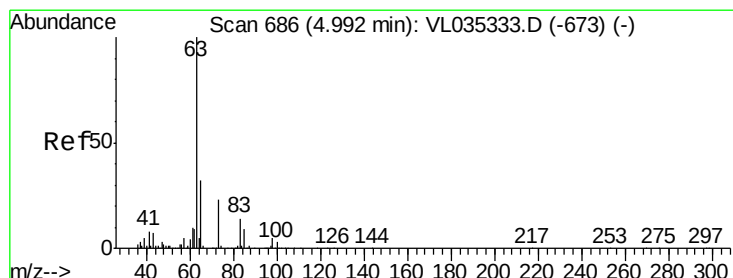
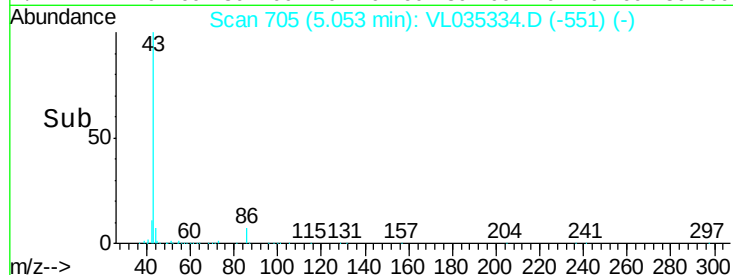
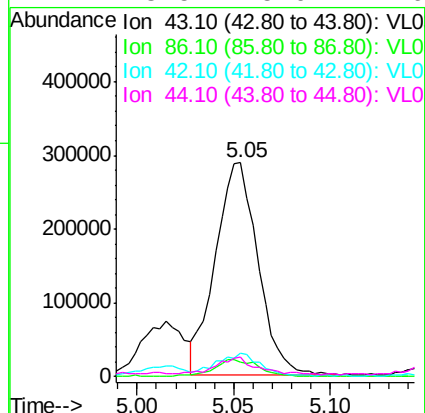
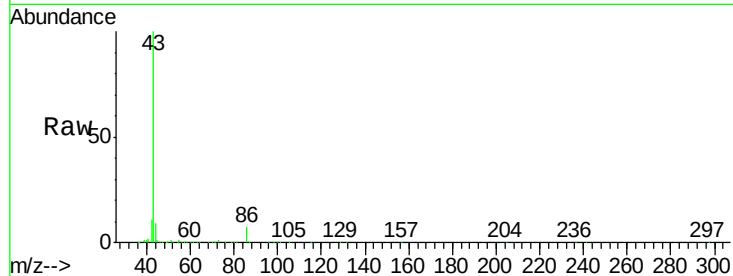
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	441907
Ion Ratio	Lower	Upper	
43	100		
86	6.8	6.9	10.3#
42	10.5	8.8	13.2
44	8.5	5.0	7.6#

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#24

1,1-Dichloroethane

Concen: 2.050 ppbv

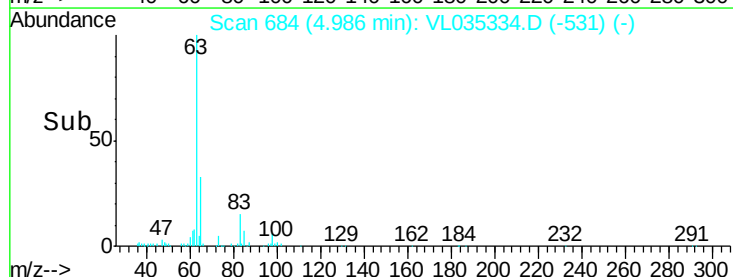
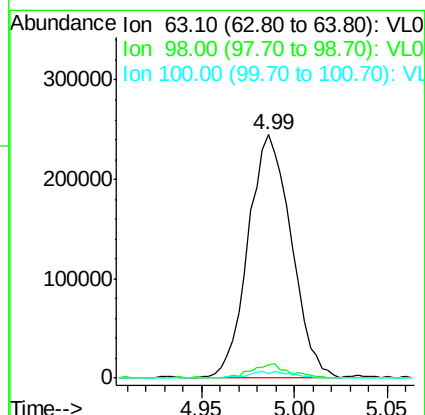
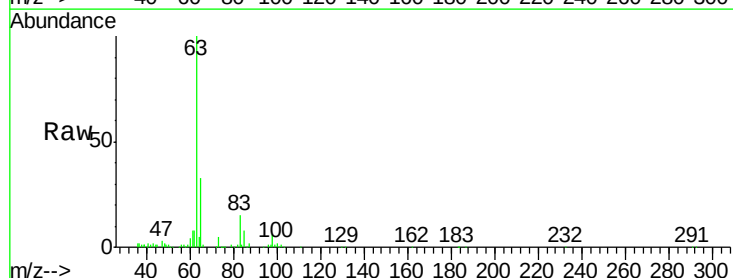
RT: 4.99 min Scan# 684

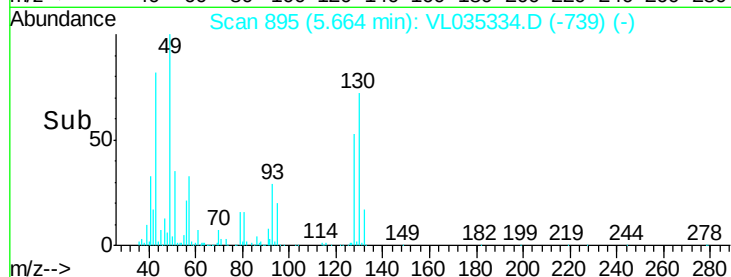
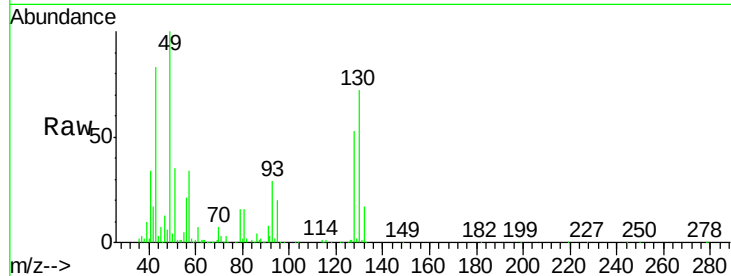
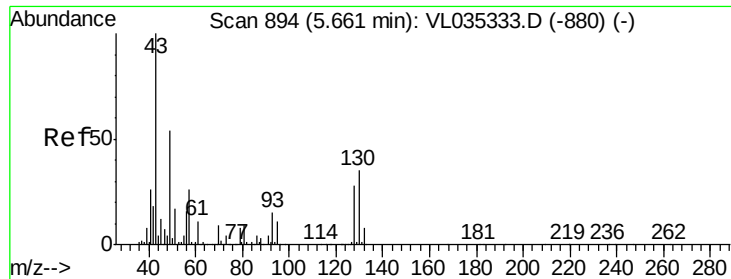
Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion	63	Resp	395781
Ion Ratio	Lower	Upper	
63	100		
98	5.3	2.5	7.5
100	2.3	1.4	4.2





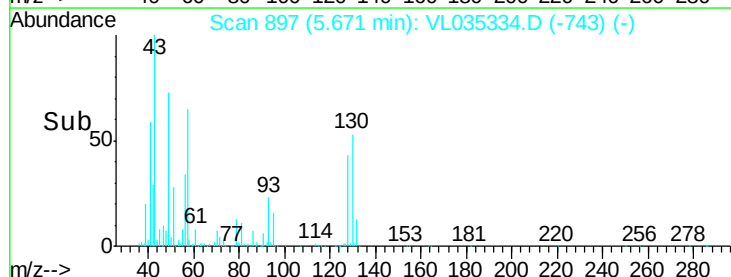
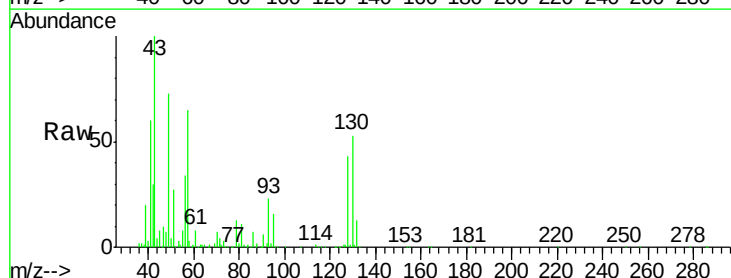
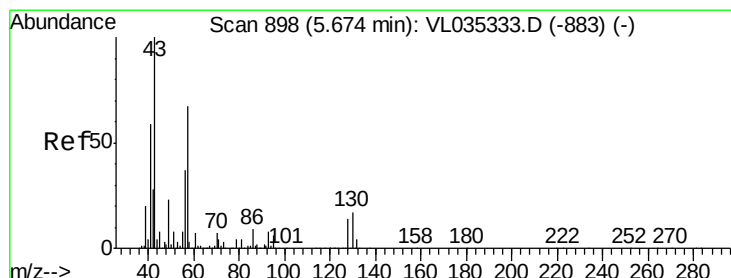
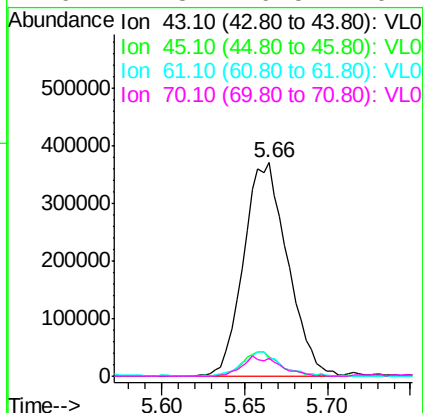
#25
Ethyl Acetate
Concen: 2.159 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tot Ion	43	Resp	683491
Ion Ratio	Lower	Upper	
43	100		
45	10.0	8.5	12.7
61	10.0	8.1	12.1
70	7.8	6.5	9.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

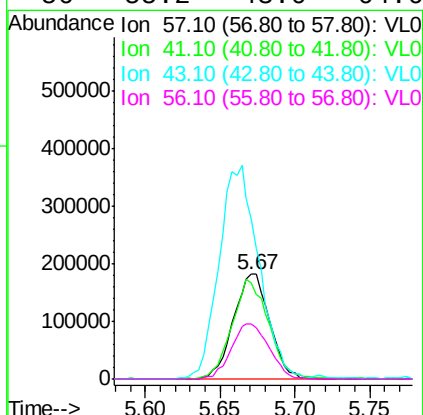
Manual Integrations
APPROVED

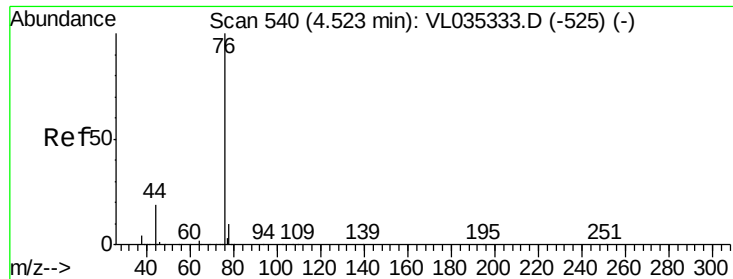
MMDadoda
8/6/2020 12:48:51 PM



#26
Hexane
Concen: 2.164 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	57	Resp	306749
Ion Ratio	Lower	Upper	
57	100		
41	96.9	75.2	112.8
43	224.6	180.6	270.8
56	55.2	43.0	64.6





#27

Carbon Disulfide

Concen: 2.088 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

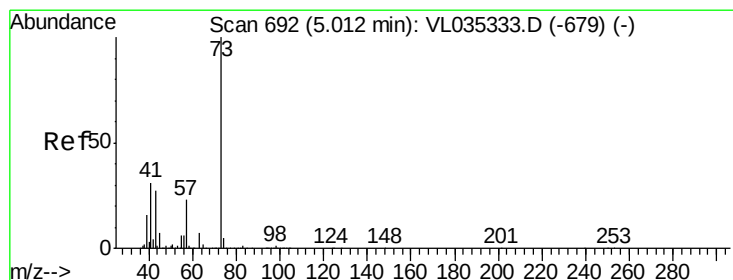
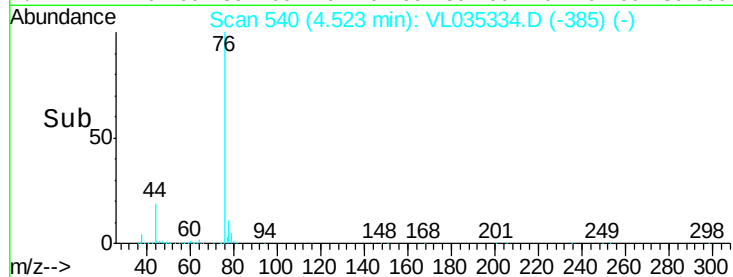
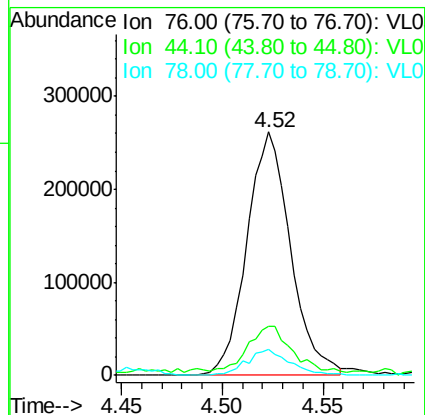
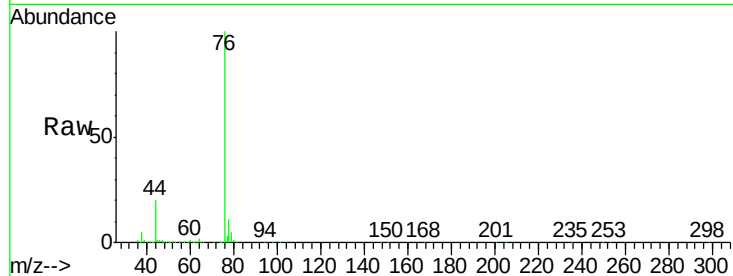
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	398247
Ion Ratio	Lower	Upper	
76	100		
44	19.6	15.4	23.2
78	10.7	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#28

Methyl tert-Butyl Ether

Concen: 2.048 ppbv

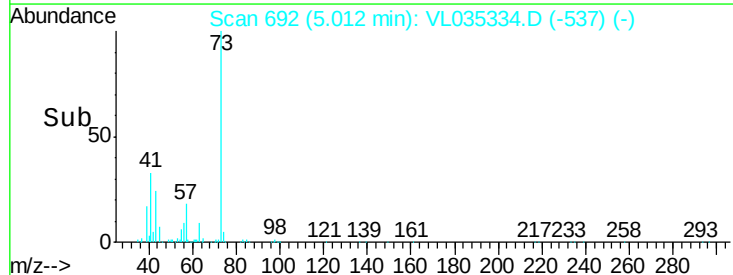
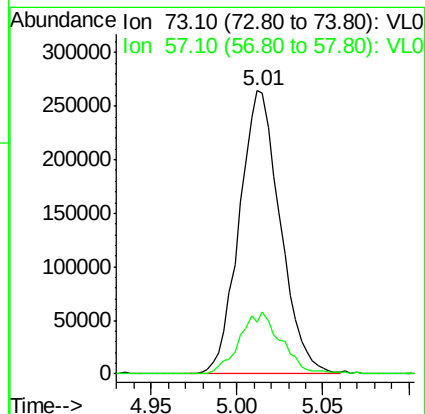
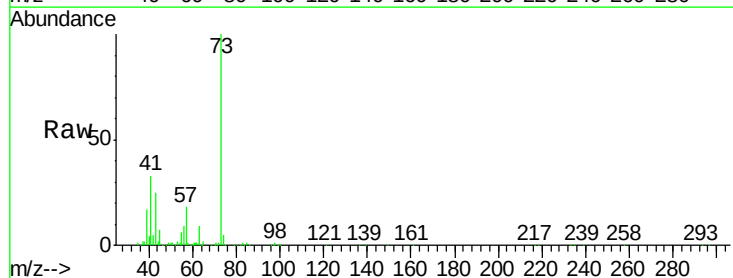
RT: 5.01 min Scan# 692

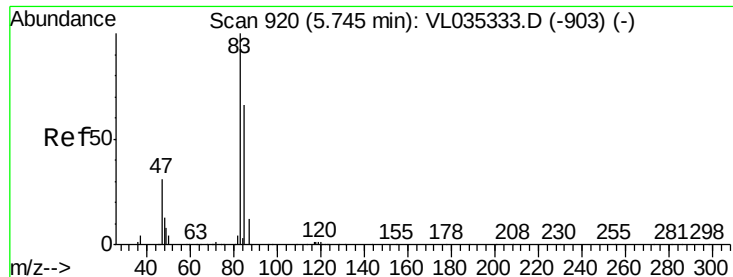
Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	73	Resp:	436123
Ion Ratio	Lower	Upper	
73	100		
57	22.4	17.9	26.9





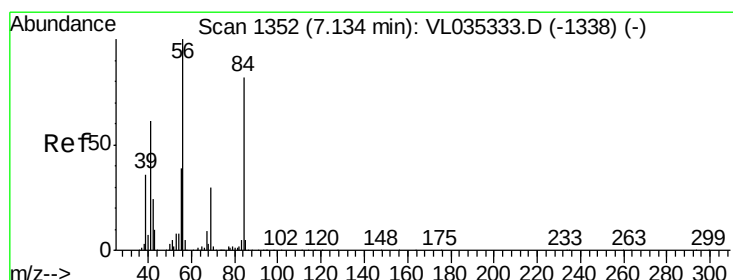
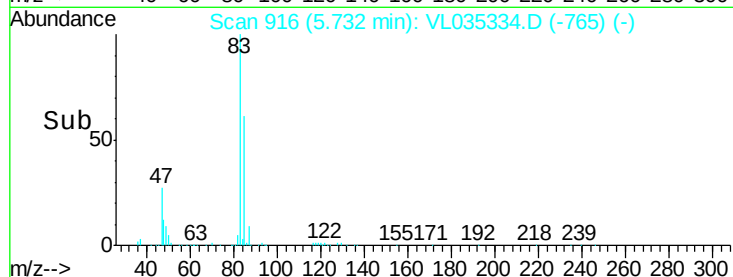
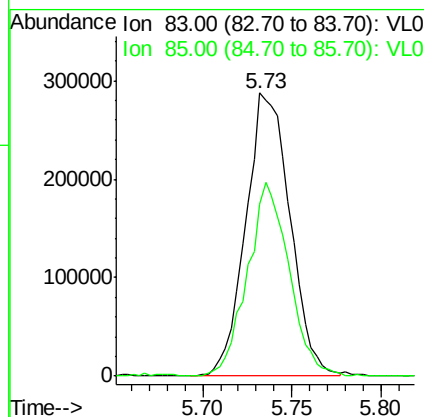
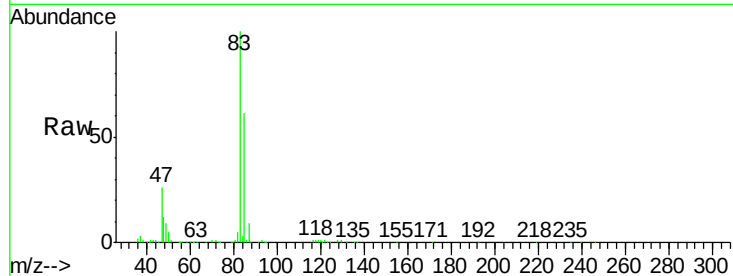
#29
Chloroform
Concen: 2.079 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	498362
Ion Ratio	Lower	Upper	
83	100		
85	60.4	52.9	79.3

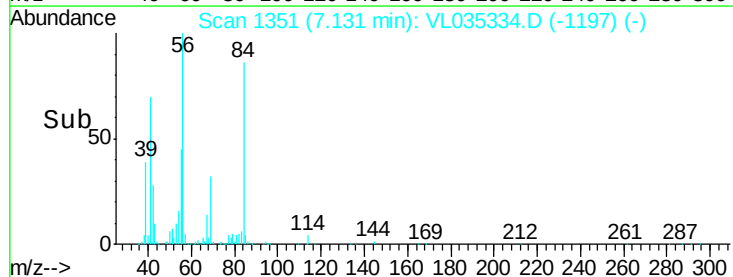
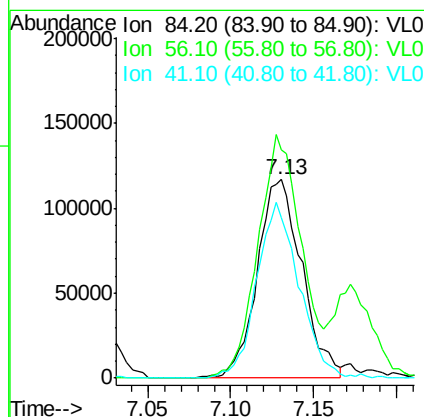
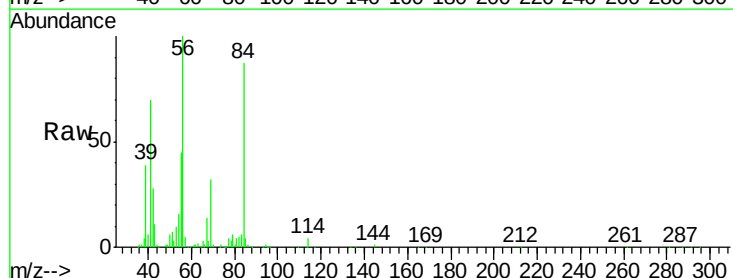
Manual Integrations
APPROVED

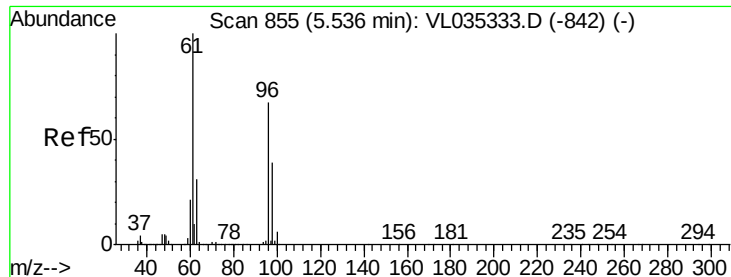
MMDadoda
8/6/2020 12:48:51 PM



#30
Cyclohexane
Concen: 2.054 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	84	Resp	218400
Ion Ratio	Lower	Upper	
84	100		
56	122.4	104.7	157.1
41	84.7	64.2	96.2





#31

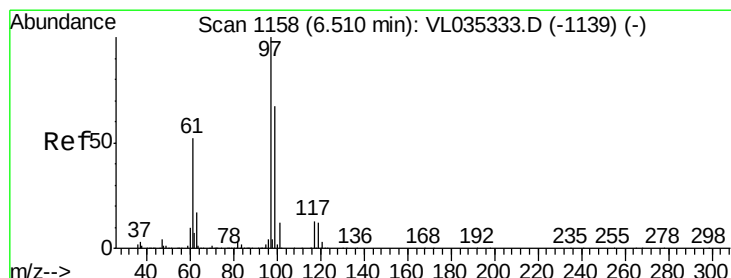
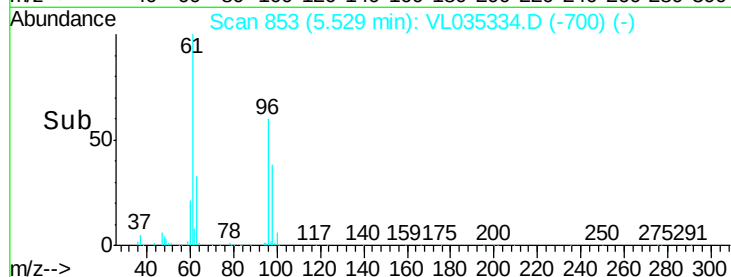
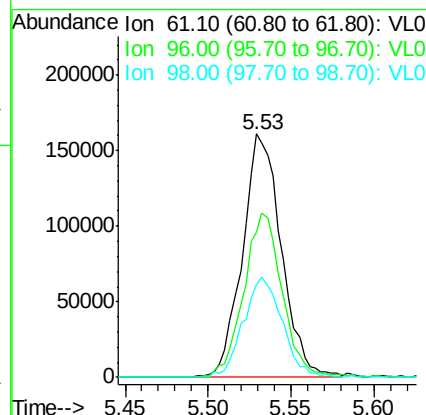
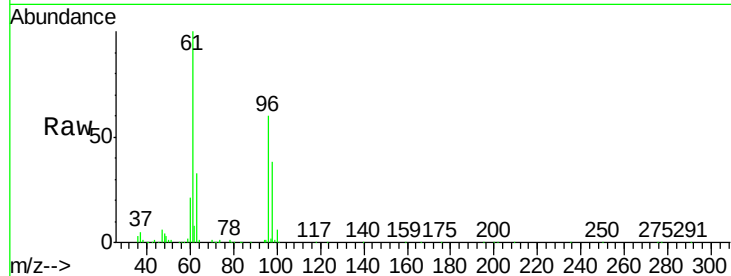
cis-1,2-Dichloroethene
Concen: 2.004 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	61	Resp	262007
Ion Ratio	Lower	Upper	
61	100		
96	59.7	53.6	80.4
98	38.1	31.0	46.4

Manual Integrations
APPROVED

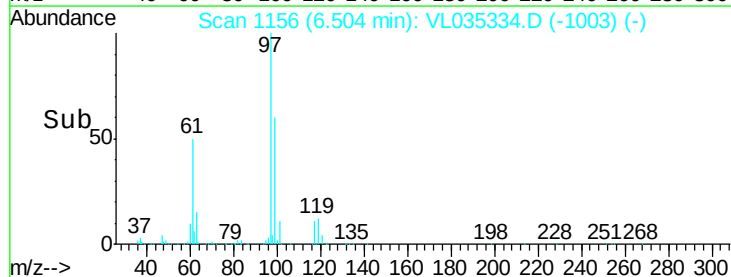
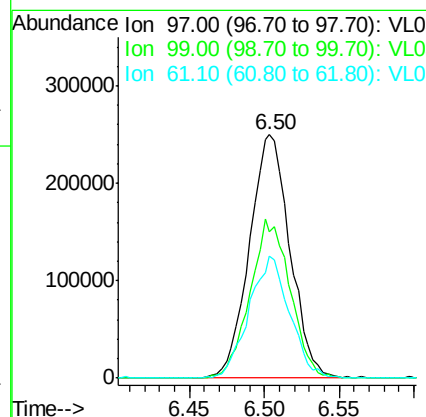
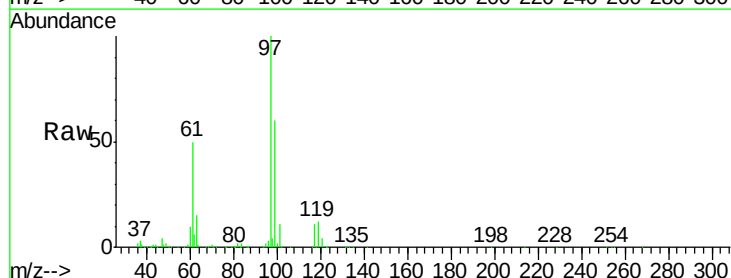
MMDadoda
8/6/2020 12:48:51 PM

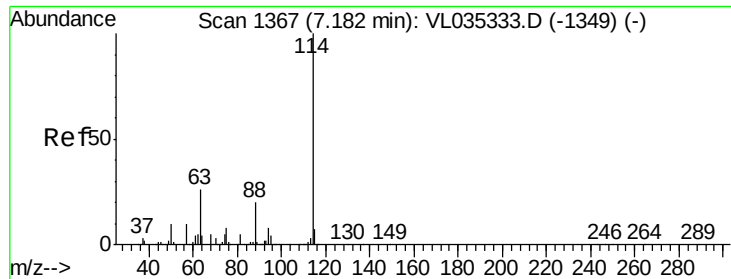


#32

1,1,1-Trichloroethane
Concen: 2.029 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	97	Resp	470509
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.2	78.4
61	50.0	40.9	61.3





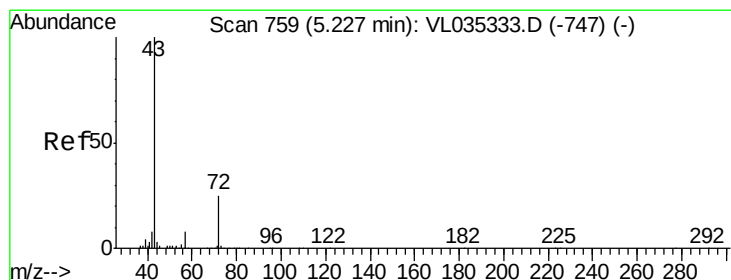
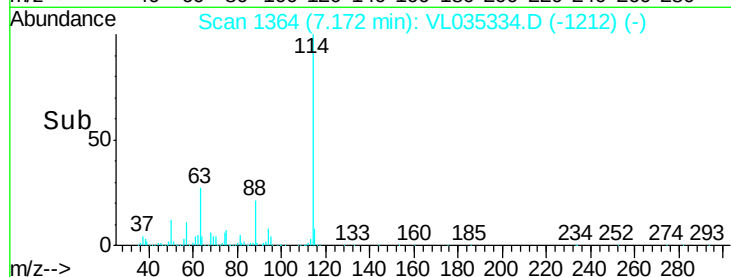
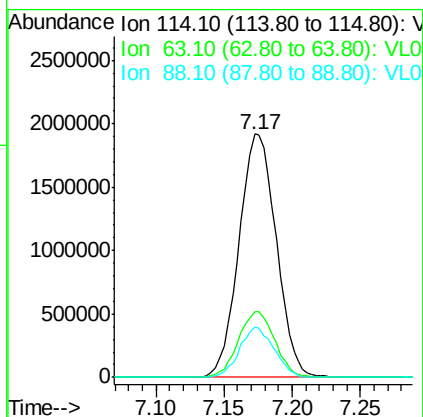
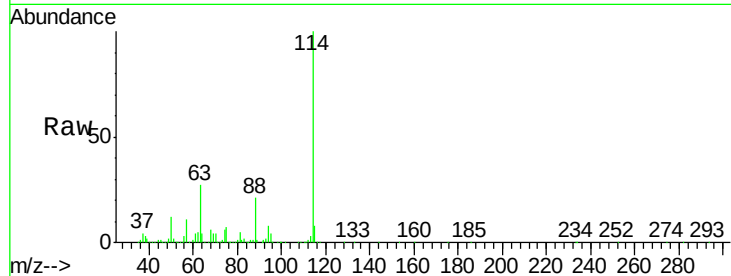
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.3	31.9
88	19.2	15.3	22.9

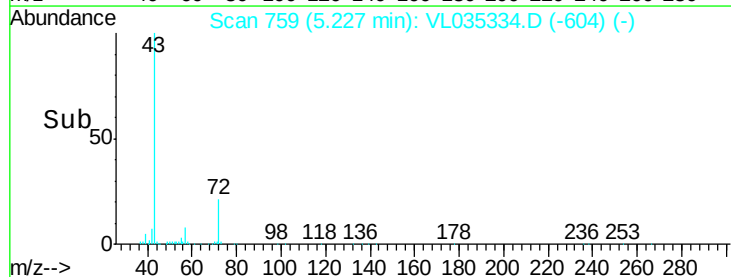
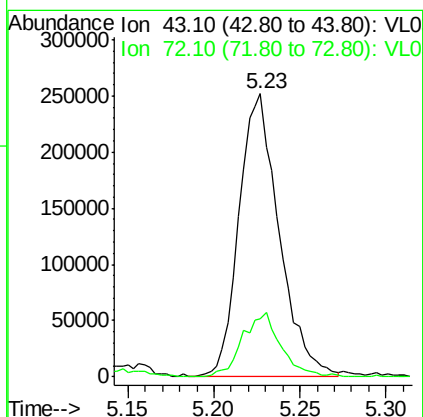
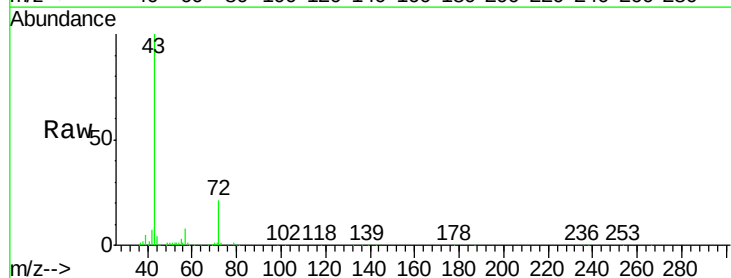
Manual Integrations
 APPROVED

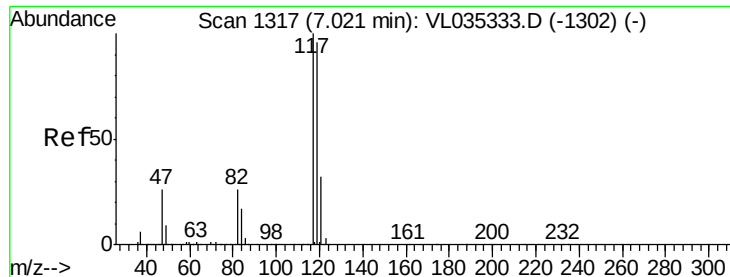
MMDadoda
 8/6/2020 12:48:51 PM



#34
 2-Butanone
 Concen: 2.118 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.9	28.3





#35

Carbon Tetrachloride

Concen: 2.123 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

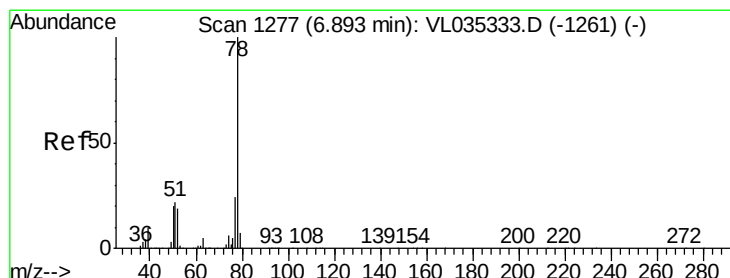
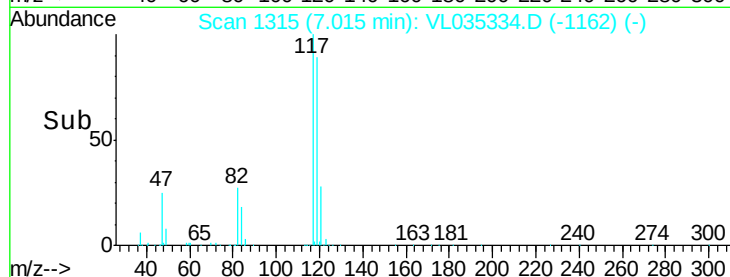
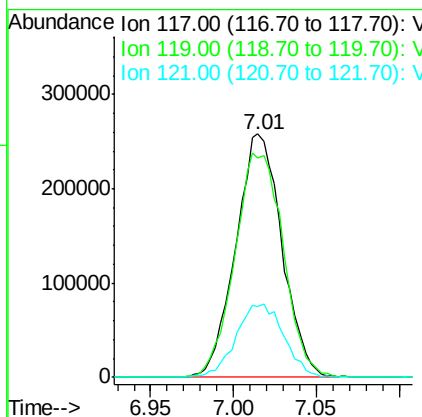
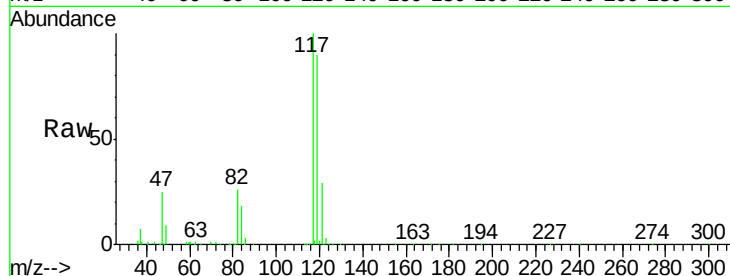
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	500339
Ion Ratio	Lower	Upper	
117	100		
119	89.6	77.0	115.6
121	29.3	26.0	39.0

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#36

Benzene

Concen: 2.029 ppbv

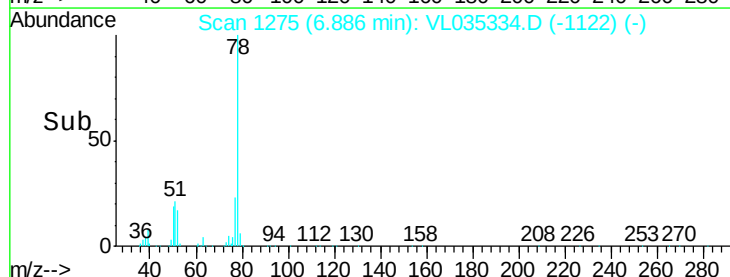
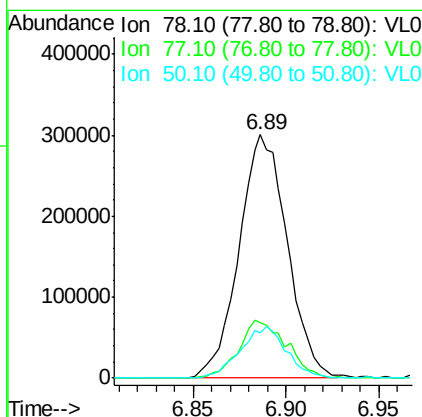
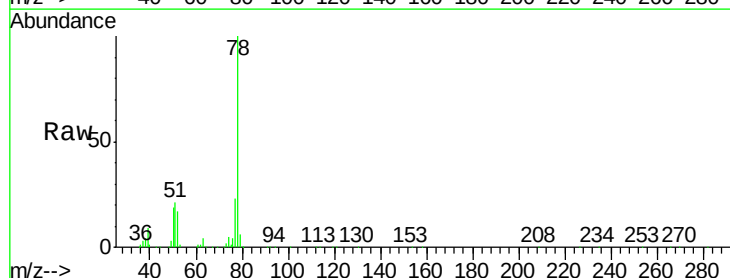
RT: 6.89 min Scan# 1275

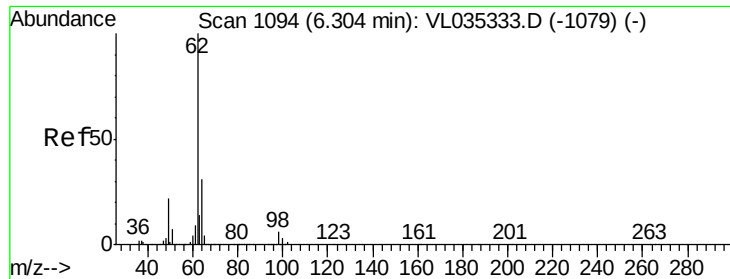
Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	78	Resp:	542119
Ion Ratio	Lower	Upper	
78	100		
77	22.4	19.3	28.9
50	18.4	16.3	24.5





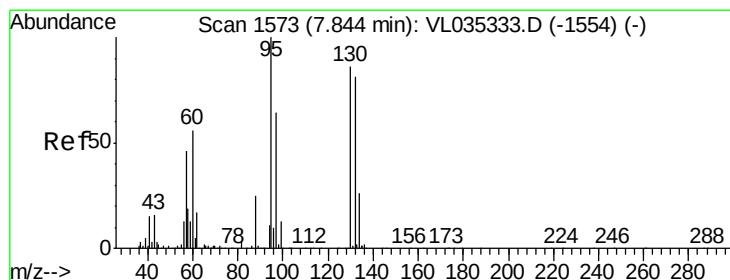
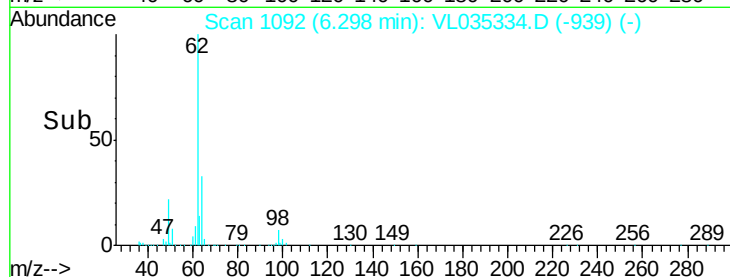
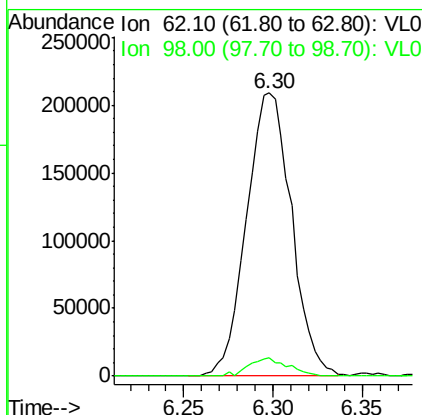
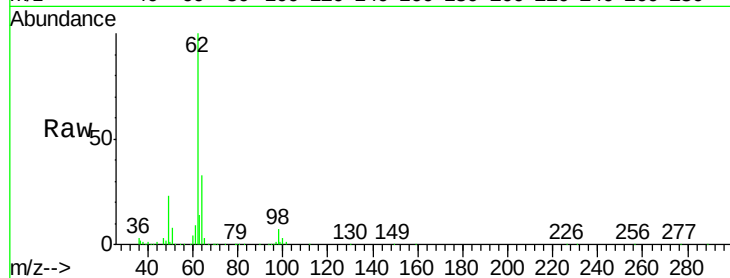
#37
 1,2-Dichloroethane
 Concen: 2.033 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.6	7.0

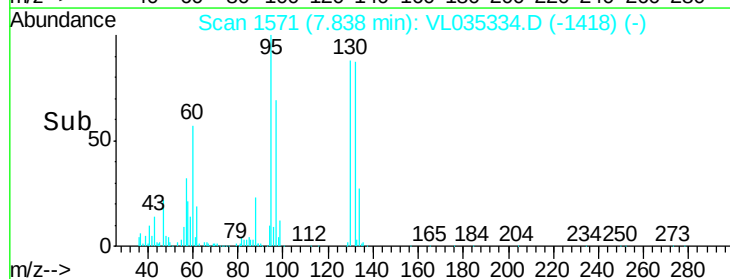
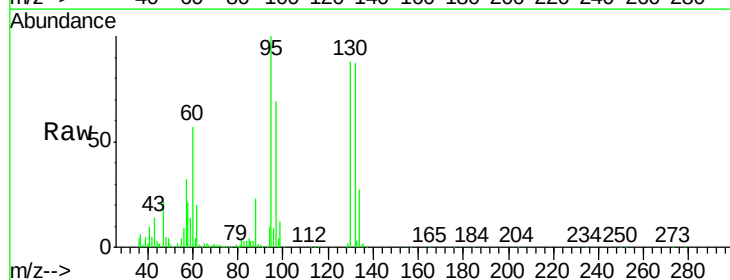
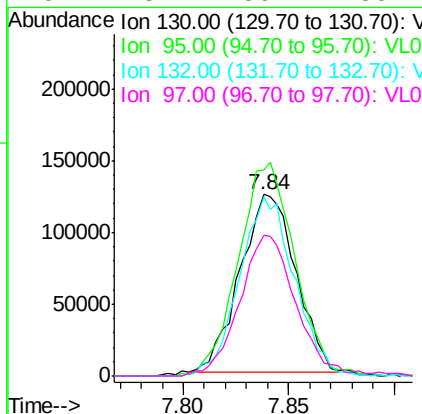
Manual Integrations
 APPROVED

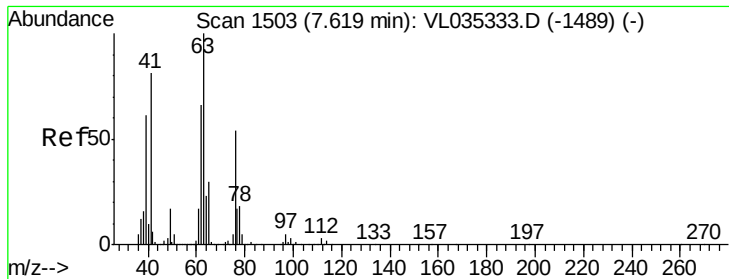
MMDadoda
 8/6/2020 12:48:51 PM



#38
 Trichloroethene
 Concen: 2.326 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.7	93.4	140.2
132	99.5	76.1	114.1
97	78.2	59.4	89.2





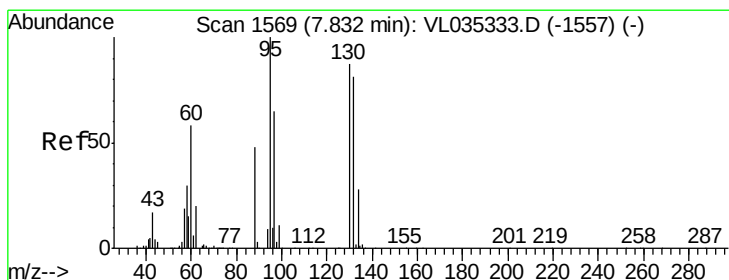
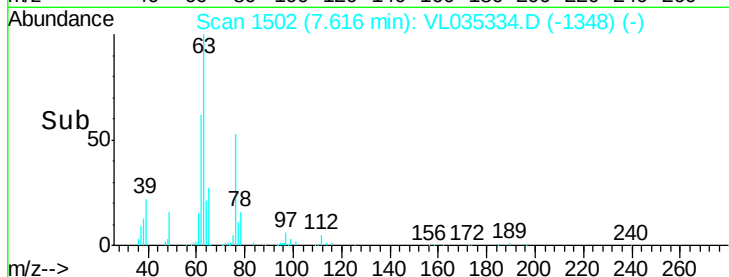
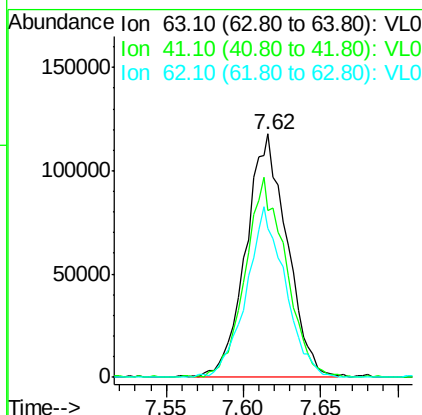
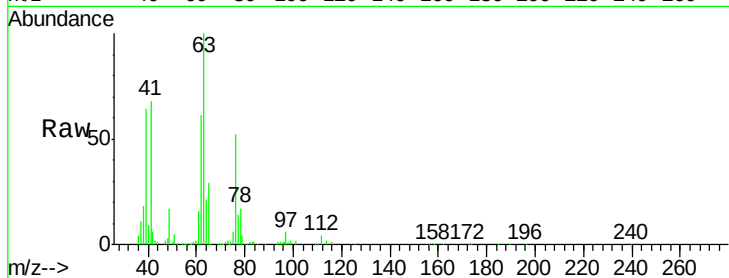
#39
 1,2-Dichloropropane
 Concen: 2.072 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.6	64.4	96.6
62	61.3	52.6	78.8

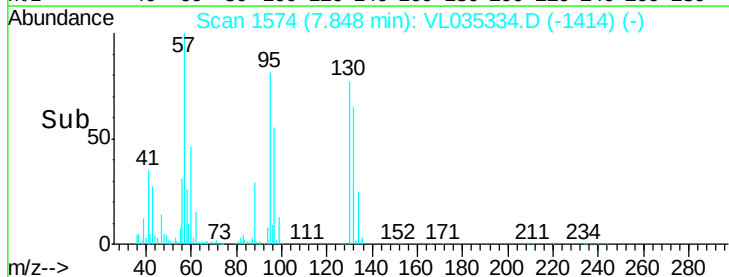
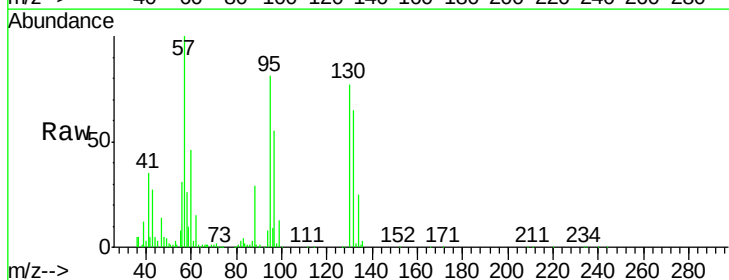
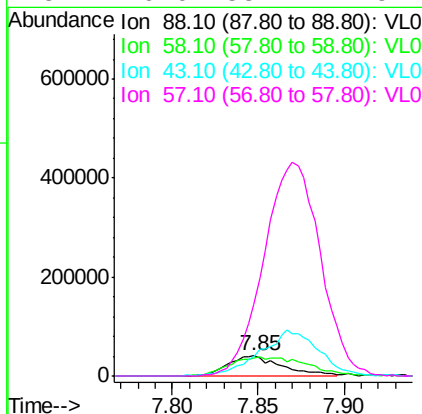
Manual Integrations
 APPROVED

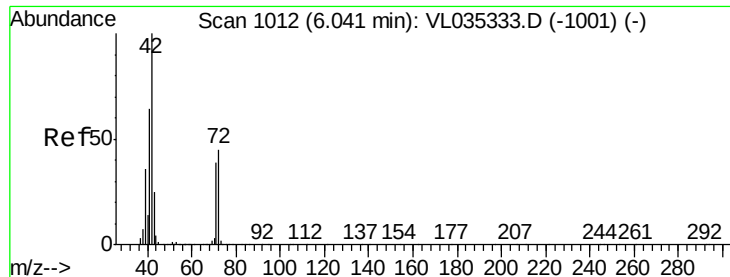
MMDadoda
 8/6/2020 12:48:51 PM



#40
 1,4-Dioxane
 Concen: 1.966 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	135.5	96.7	145.1
43	0.0	190.7	286.1#
57	0.0	834.1	1251.1#





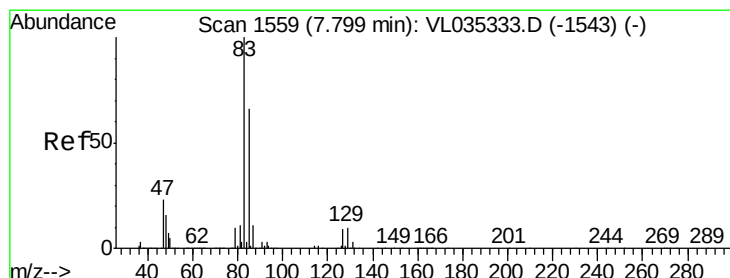
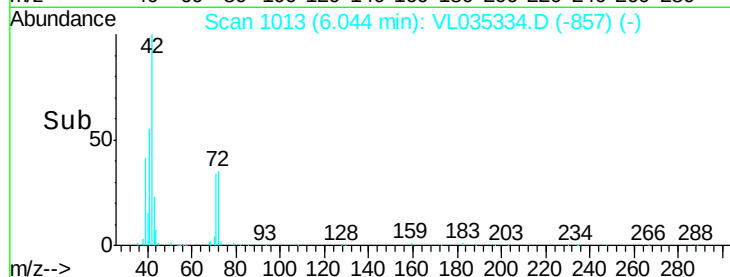
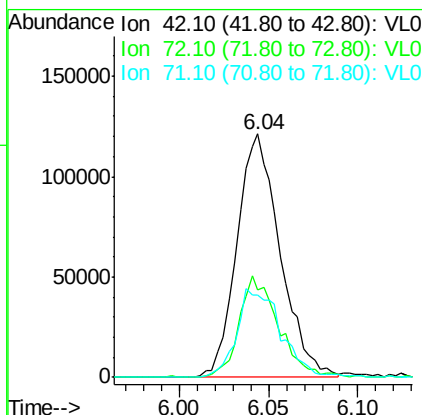
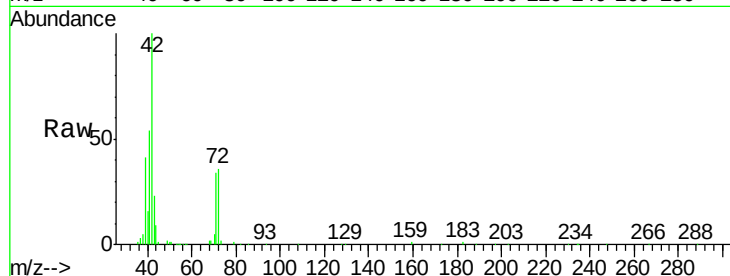
#41
Tetrahydrofuran
Concen: 2.168 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	42	Resp	205189
Ion Ratio	Lower	Upper	
42	100		
72	38.7	33.6	50.4
71	37.4	33.1	49.7

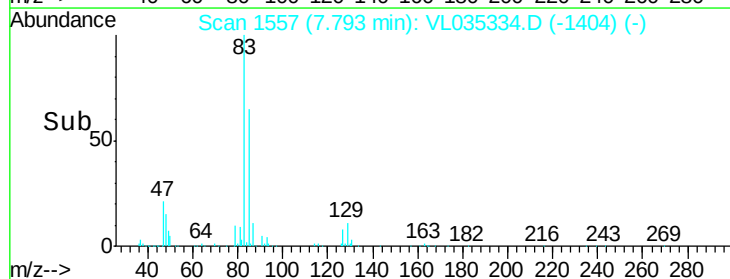
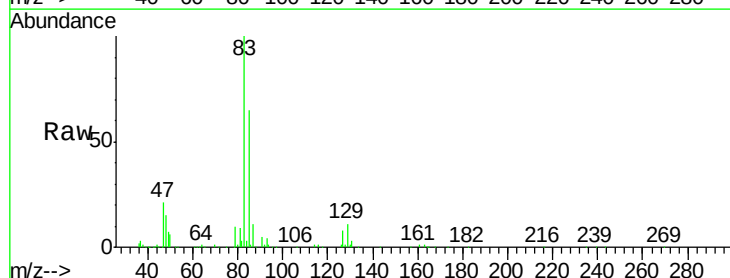
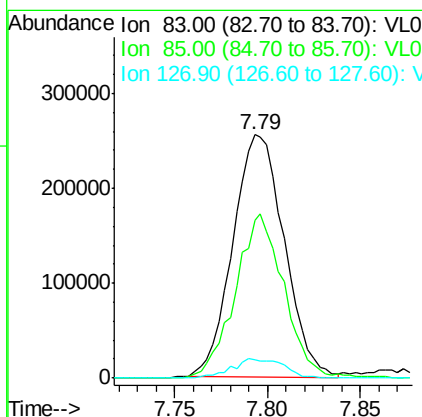
Manual Integrations
APPROVED

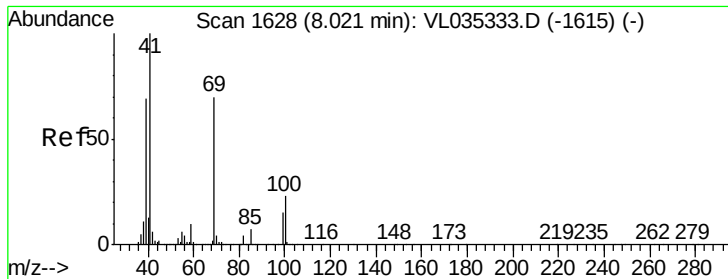
MMDadoda
8/6/2020 12:48:51 PM



#42
Bromodichloromethane
Concen: 1.989 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	83	Resp	491263
Ion Ratio	Lower	Upper	
83	100		
85	64.6	53.1	79.7
127	7.6	6.8	10.2





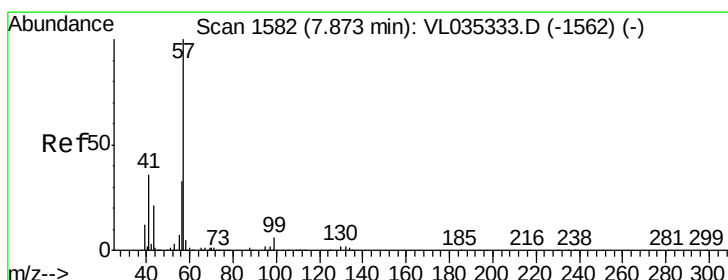
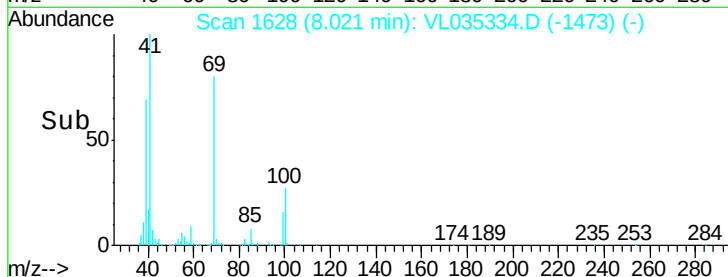
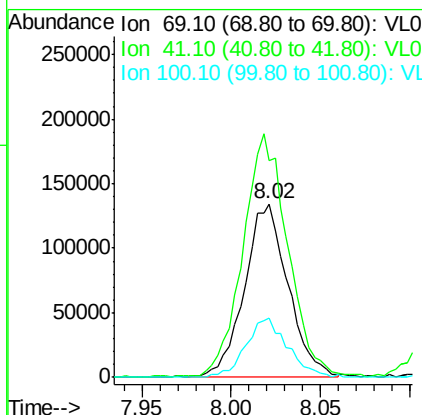
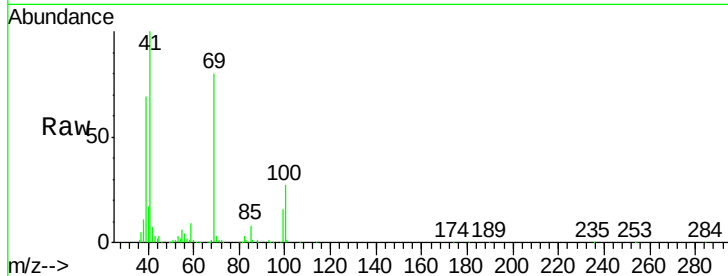
#43
Methyl Methacrylate
Concen: 2.054 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		229353		
41	144.7	115.8	173.6		
100	33.2	26.7	40.1		

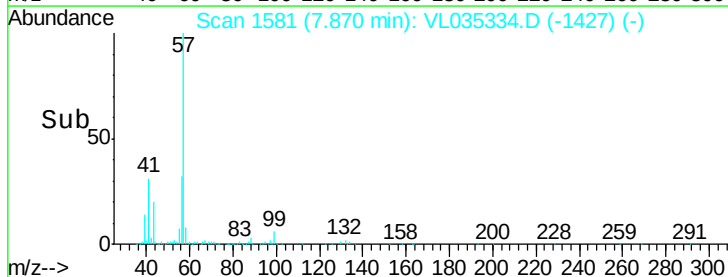
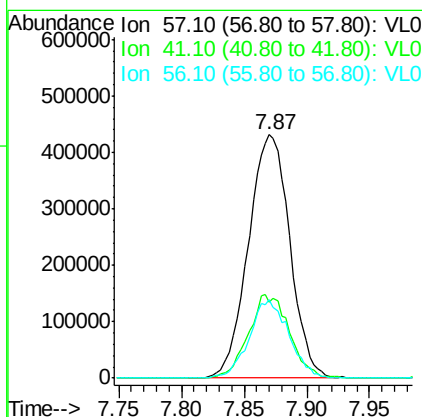
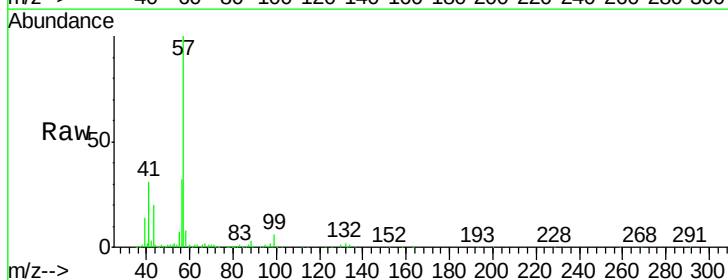
Manual Integrations
APPROVED

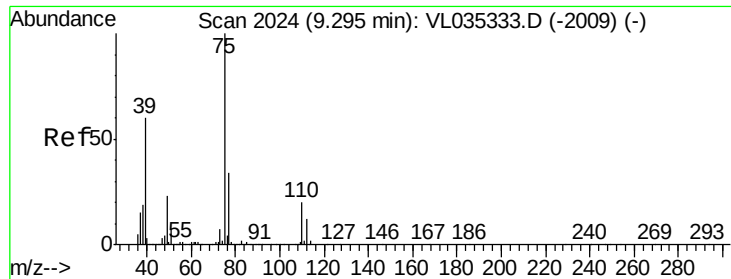
MMDadoda
8/6/2020 12:48:51 PM



#44
2,2,4-Trimethylpentane
Concen: 2.163 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		990317		
41	34.0	27.9	41.9		
56	30.8	25.4	38.0		





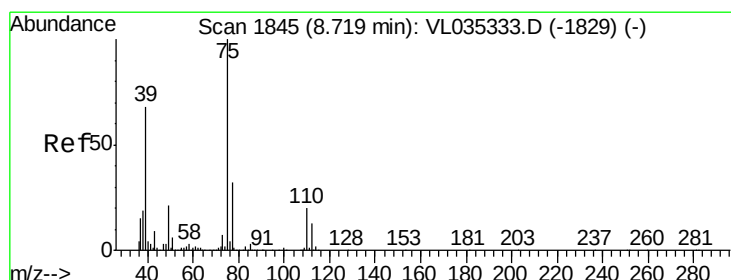
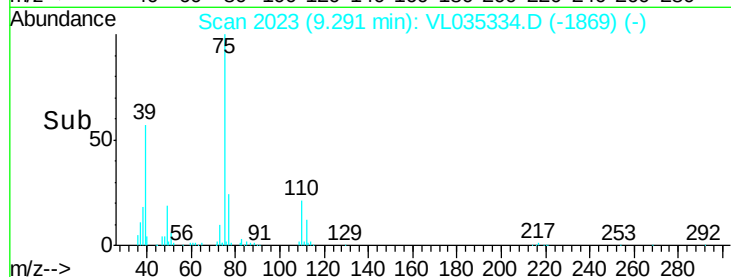
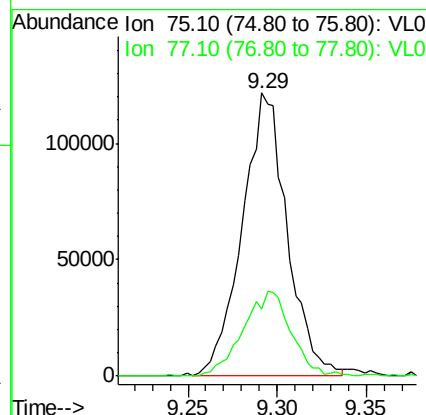
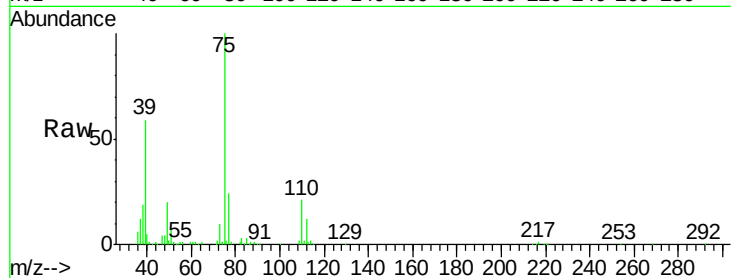
#45
t-1,3-Dichloropropene
Concen: 1.784 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 75 Resp: 212597
Ion Ratio Lower Upper
75 100
77 23.0 27.0 40.6#

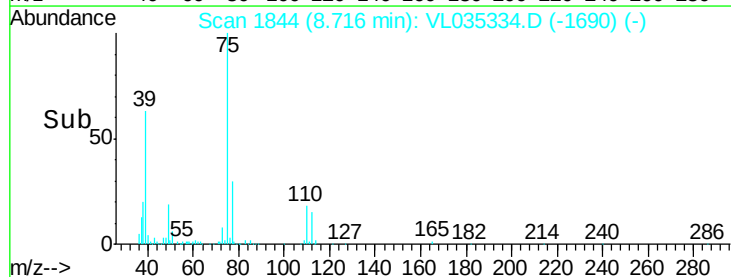
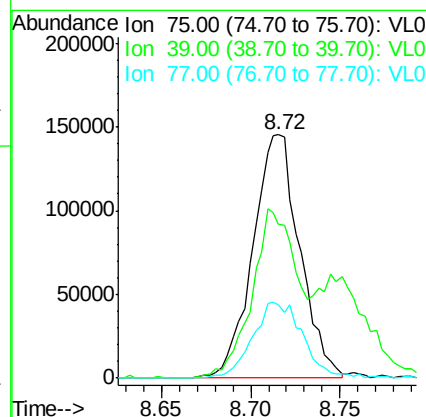
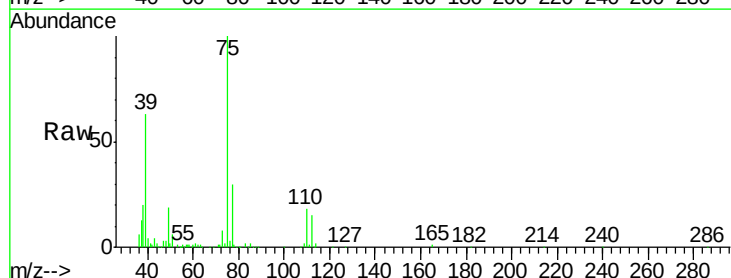
Manual Integrations
APPROVED

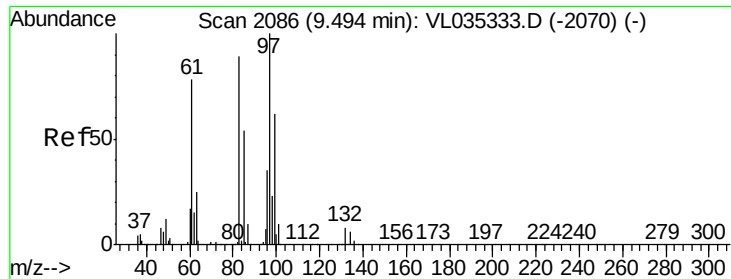
MMDadoda
8/6/2020 12:48:51 PM



#46
cis-1,3-Dichloropropene
Concen: 1.874 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion: 75 Resp: 267403
Ion Ratio Lower Upper
75 100
39 62.8 54.2 81.2
77 30.1 25.4 38.2





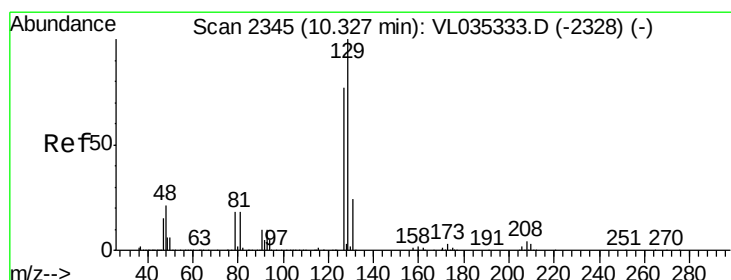
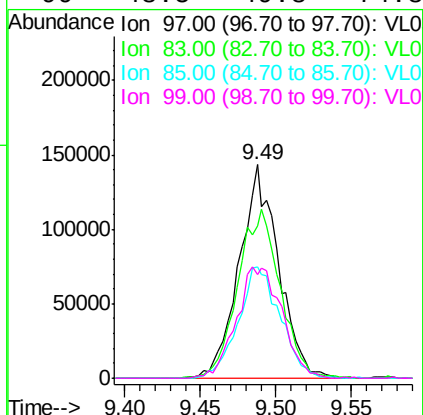
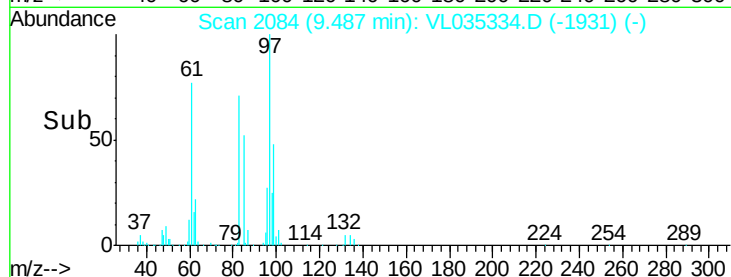
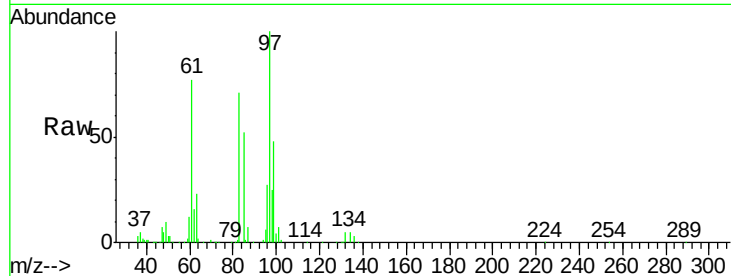
#47
 1,1,2-Trichloroethane
 Concen: 2.114 ppbv m
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	71.3	71.3	106.9
85	51.9	43.3	64.9
99	48.5	49.8	74.8#

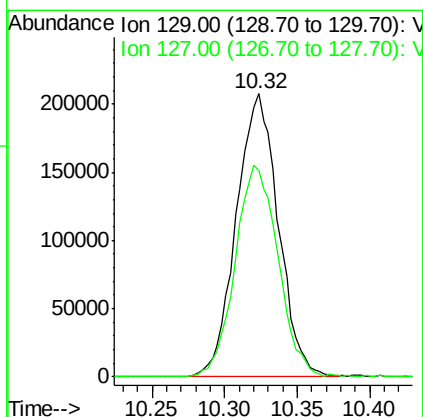
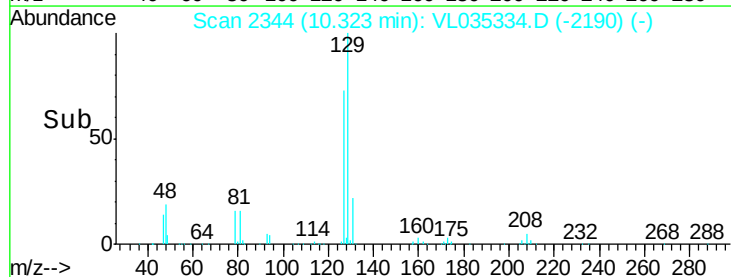
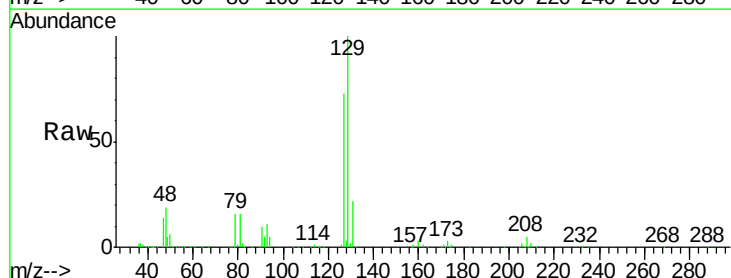
Manual Integrations
 APPROVED

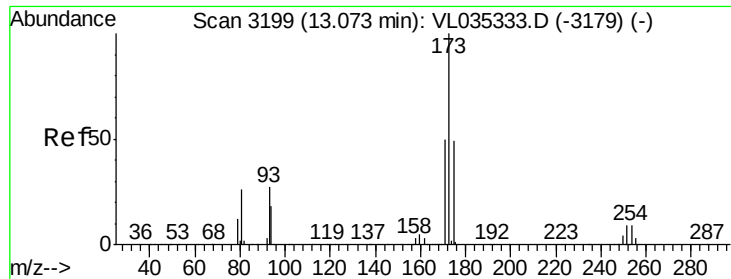
MMDadoda
 8/6/2020 12:48:51 PM



#48
 Dibromochloromethane
 Concen: 2.102 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.1	117.2





#49

Bromoform

Concen: 2.162 ppbv m

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:173 Resp: 374425

Ion Ratio Lower Upper

173 100

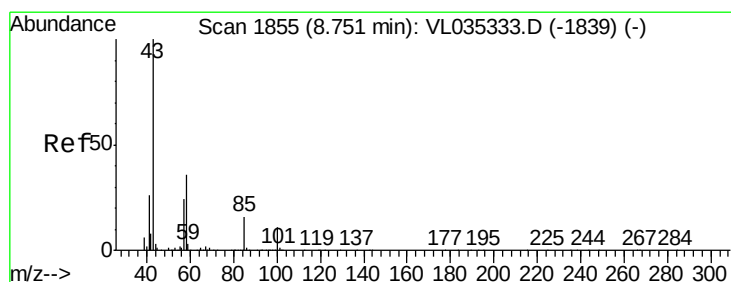
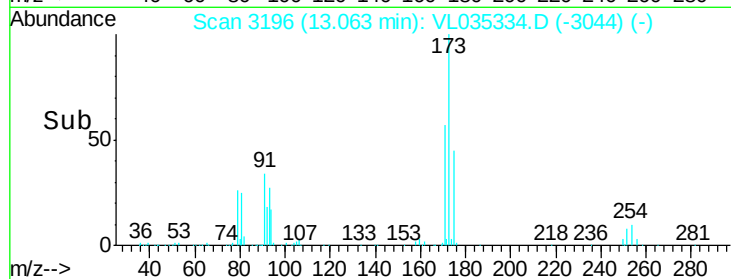
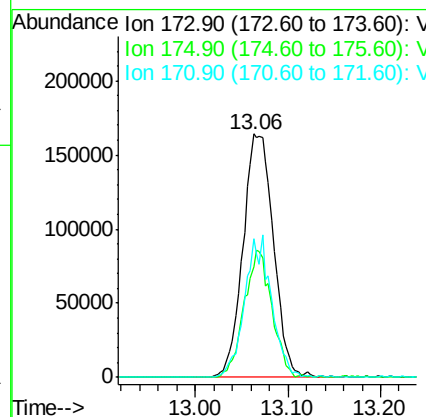
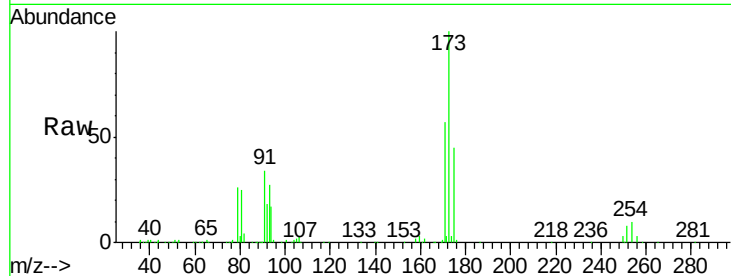
175 0.0 39.3 58.9#

171 0.0 41.2 61.8#

Manual Integrations
APPROVED

MMDadoda

8/6/2020 12:48:51 PM



#50

4-Methyl-2-Pentanone

Concen: 2.302 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL035334.D

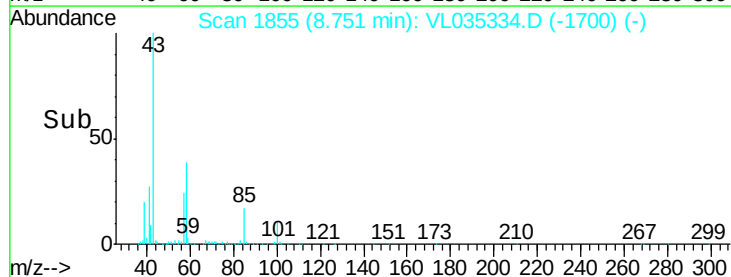
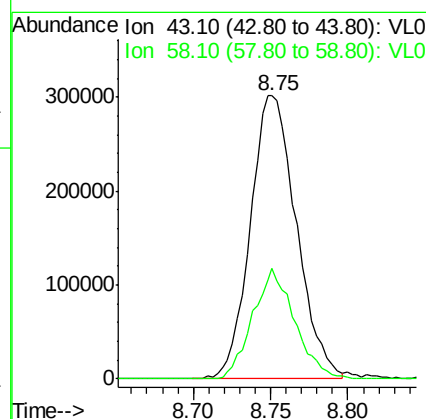
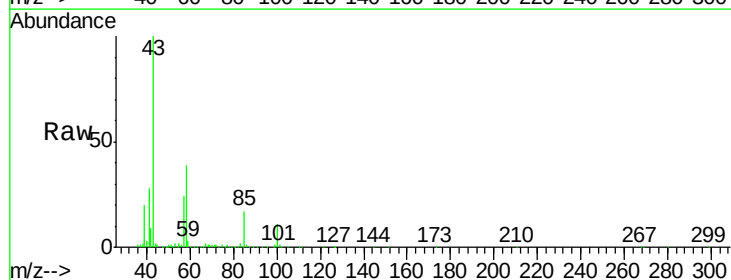
Acq: 5 Aug 2020 9:20

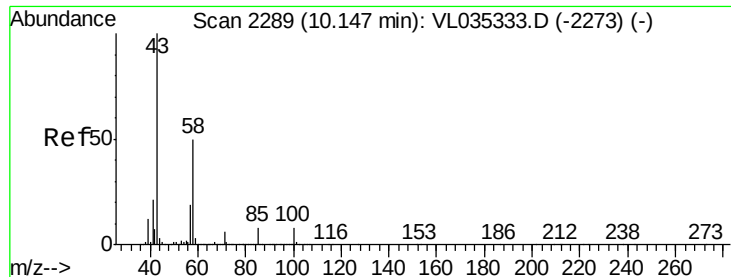
Tgt Ion: 43 Resp: 623932

Ion Ratio Lower Upper

43 100

58 35.8 29.2 43.8





#51

2-Hexanone

Concen: 2.375 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. 0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

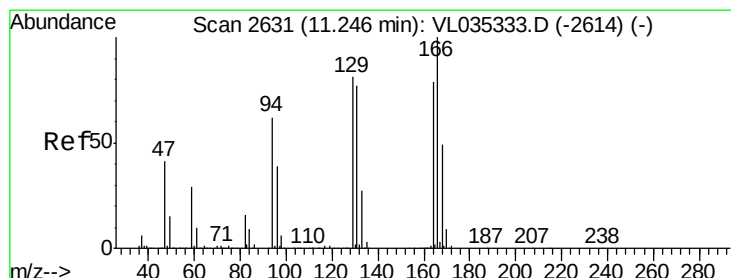
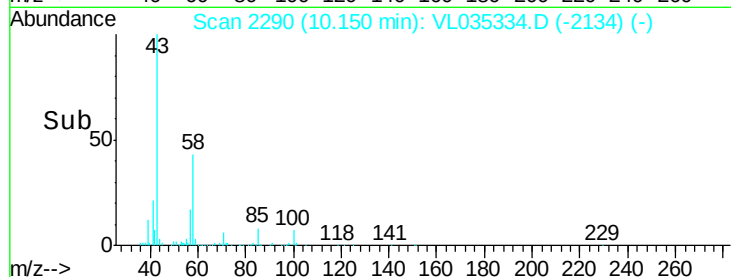
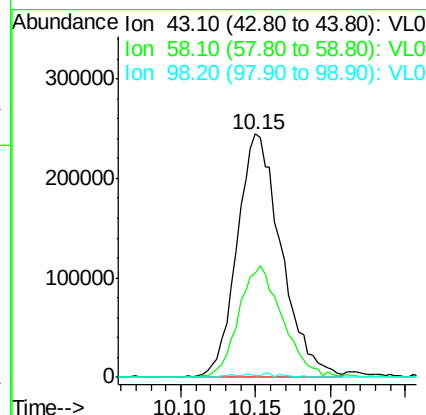
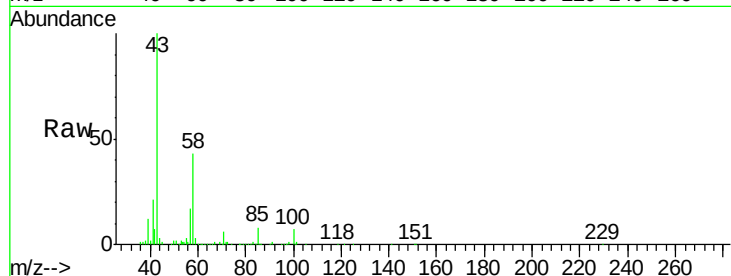
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	498060
Ion Ratio	Lower	Upper	
43	100		
58	46.4	39.4	59.2
98	1.1	0.2	0.4#

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#52

Tetrachloroethene

Concen: 2.175 ppbv

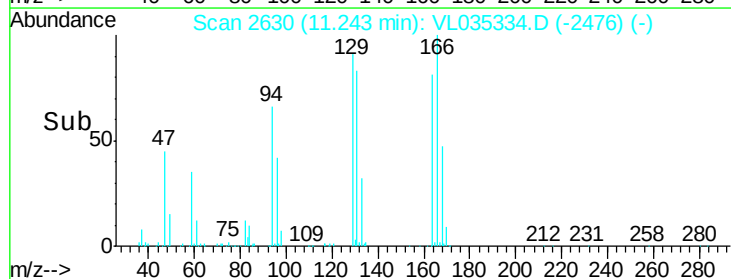
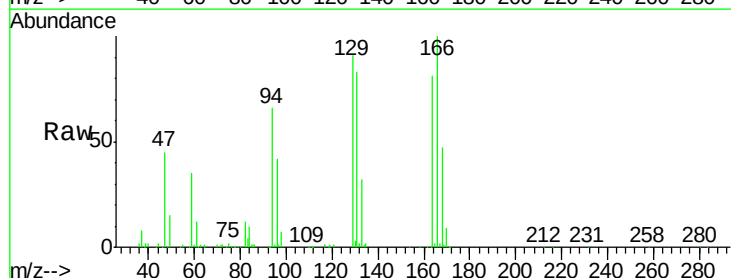
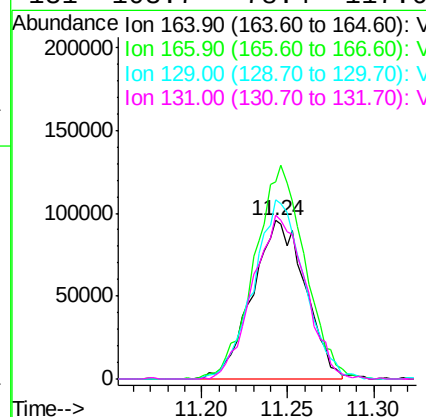
RT: 11.24 min Scan# 2630

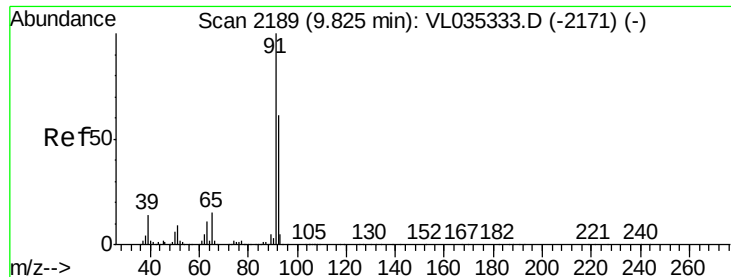
Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	164	Resp:	204733
Ion Ratio	Lower	Upper	
164	100		
166	124.2	101.4	152.0
129	112.9	82.1	123.1
131	103.7	78.4	117.6





#53

Toluene

Concen: 2.118 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 595176

Ion Ratio Lower Upper

91 100

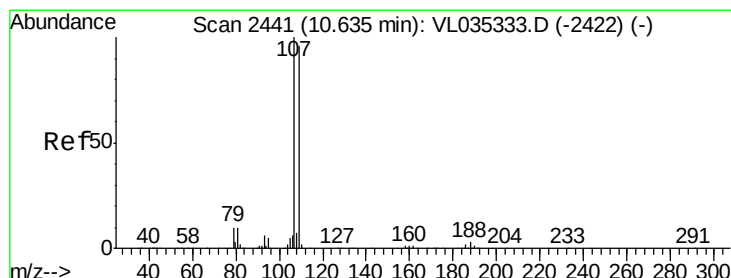
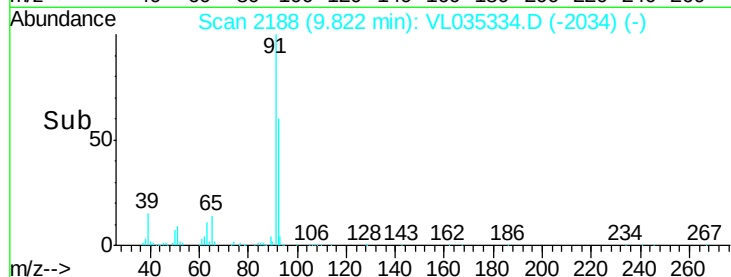
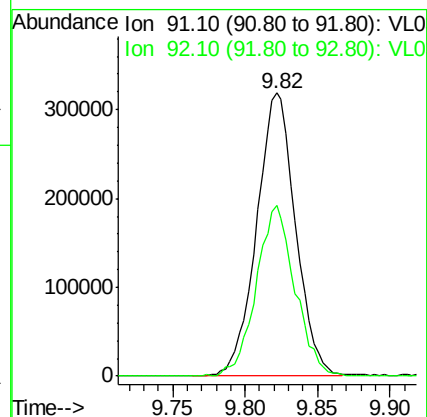
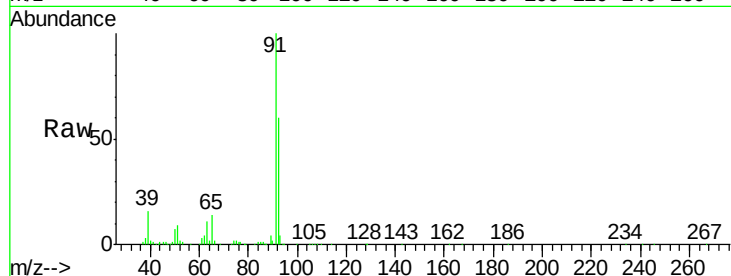
92 59.8 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:51 PM



#54

1,2-Dibromoethane

Concen: 1.989 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035334.D

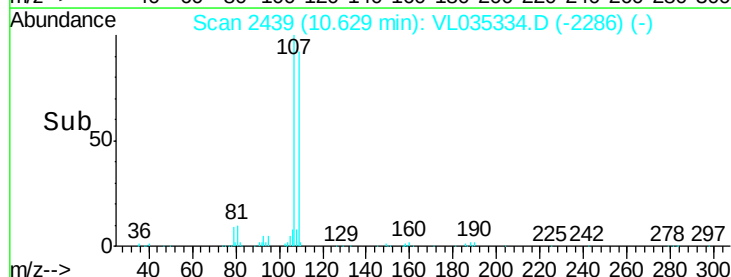
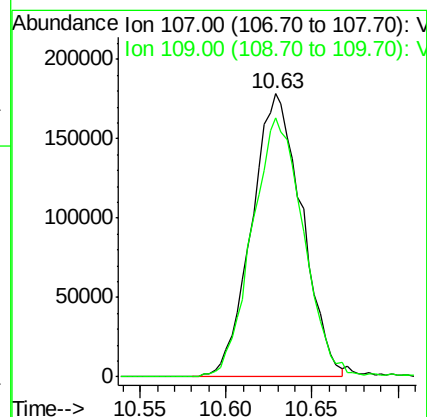
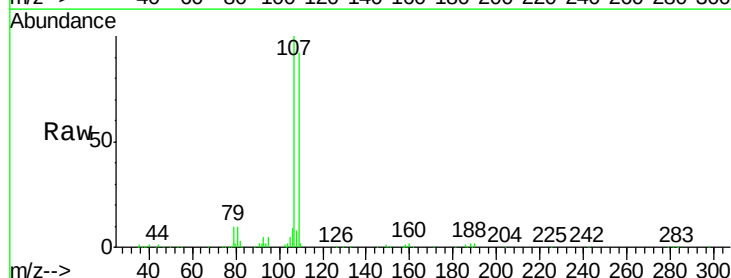
Acq: 5 Aug 2020 9:20

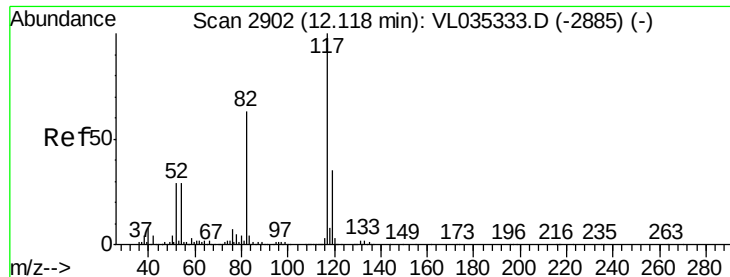
Tgt Ion: 107 Resp: 359910

Ion Ratio Lower Upper

107 100

109 91.9 76.8 115.2





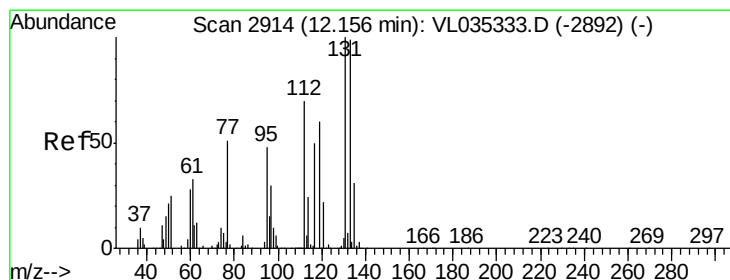
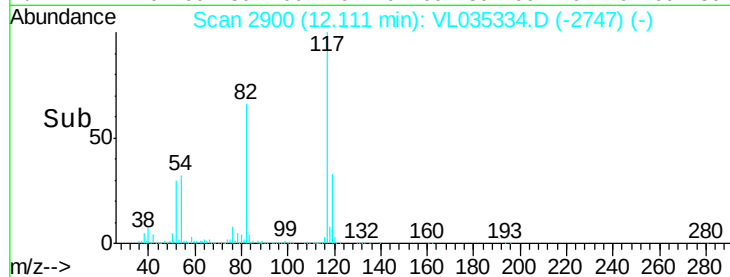
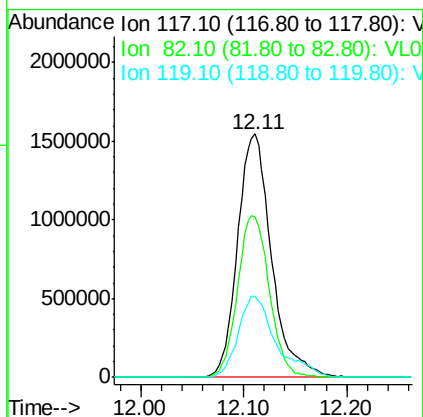
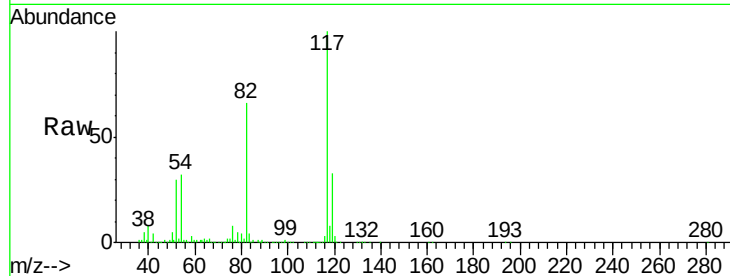
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	51.0	76.4
119	37.1	24.7	37.1#

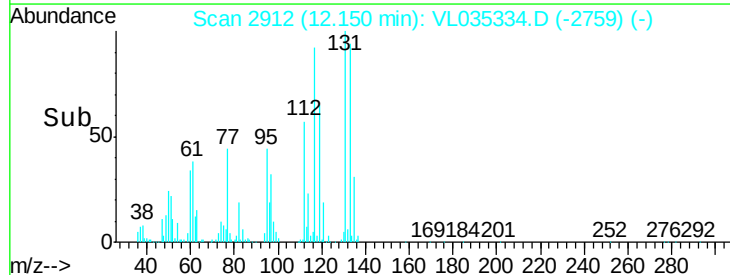
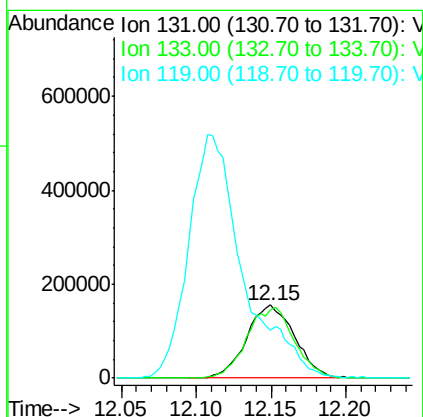
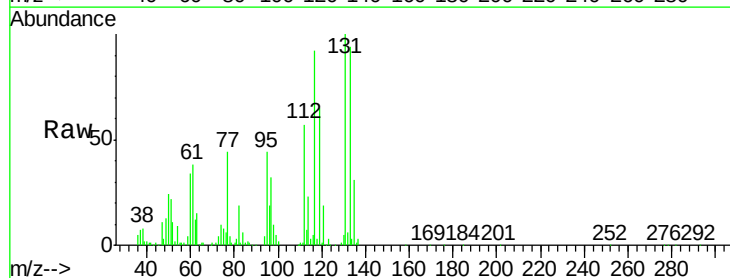
Manual Integrations
APPROVED

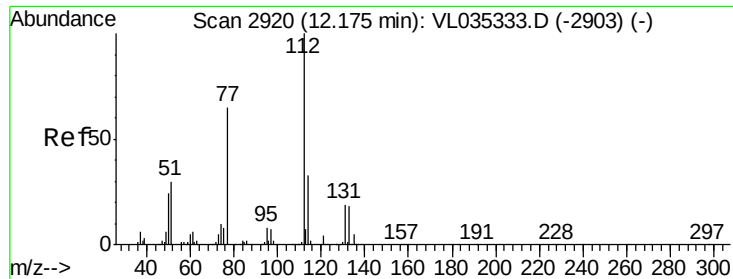
MMDadoda
8/6/2020 12:48:51 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 2.077 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	75.4	113.2
119	381.3	43.7	65.5#





#57

Chlorobenzene

Concen: 2.057 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

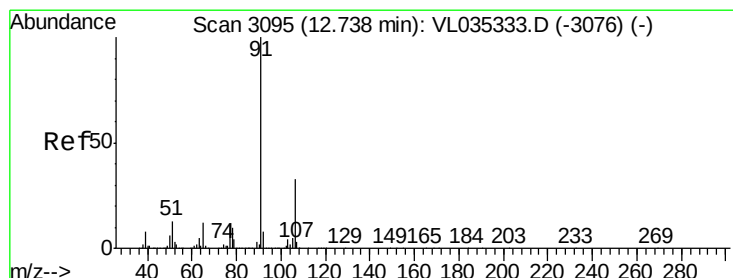
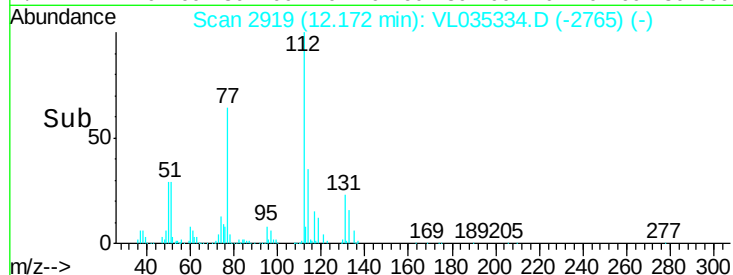
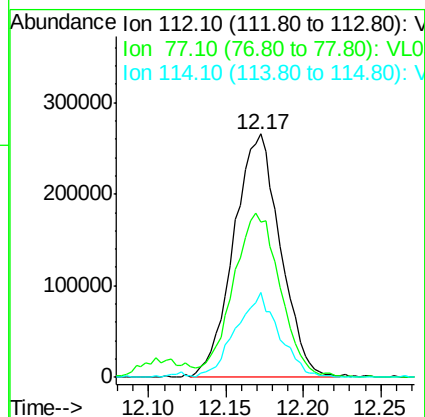
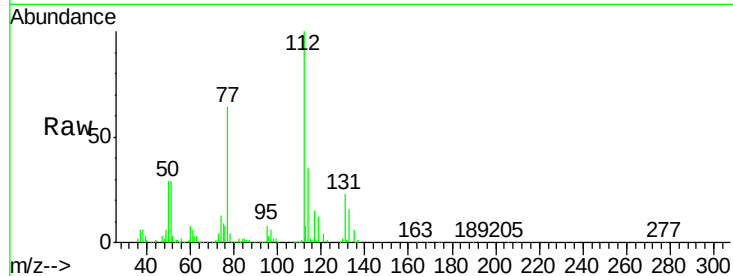
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	556841
Ion Ratio	Lower	Upper	
112	100		
77	63.3	53.3	79.9
114	34.5	29.8	36.4

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#58

Ethyl Benzene

Concen: 2.146 ppbv

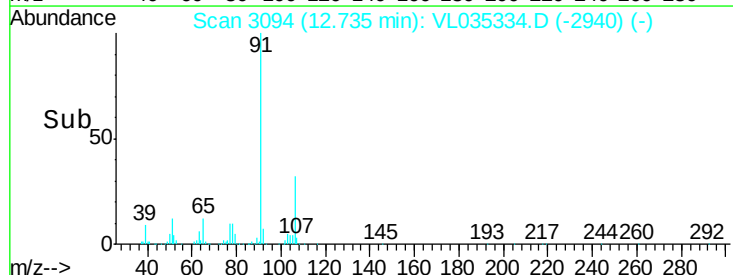
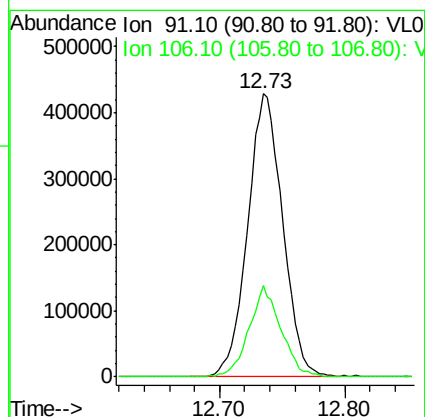
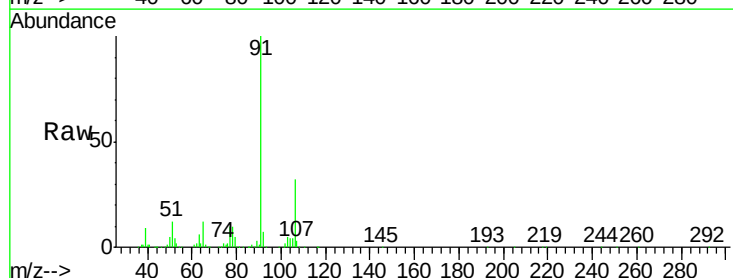
RT: 12.73 min Scan# 3094

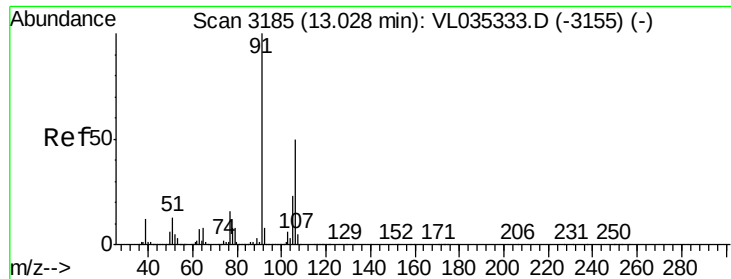
Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	91	Resp:	831489
Ion Ratio	Lower	Upper	
91	100		
106	32.4	26.8	40.2





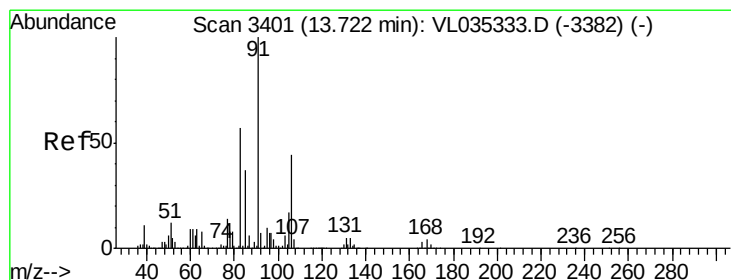
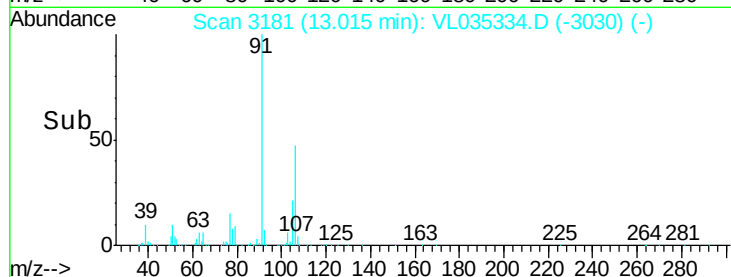
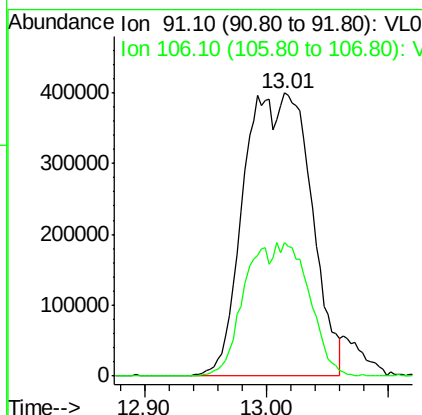
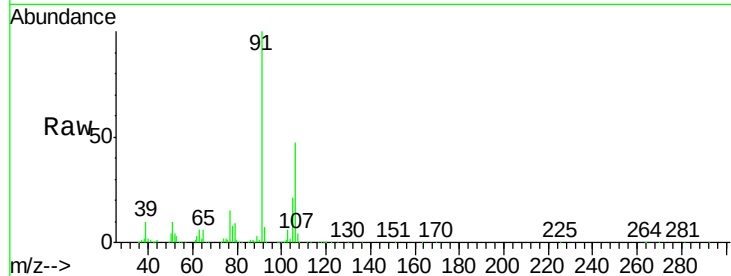
#59
m/p-Xylene
Concen: 4.265 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1525057
Ion Ratio Lower Upper
91 100
106 44.7 37.8 56.8

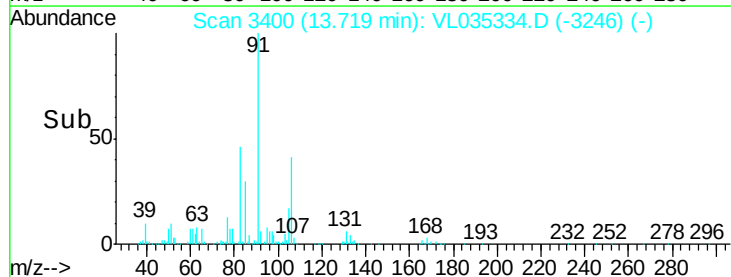
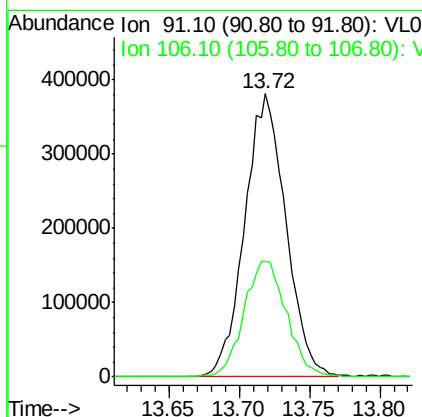
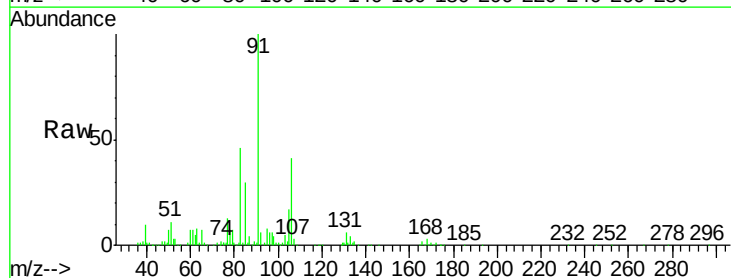
Manual Integrations
APPROVED

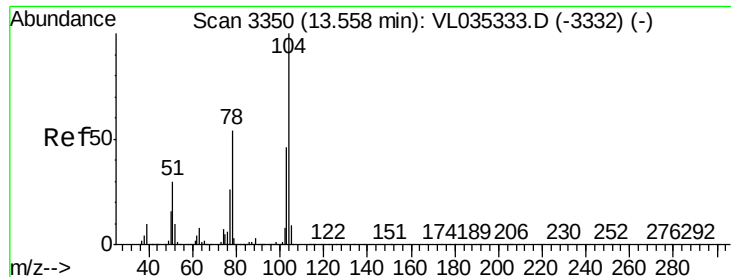
MMDadoda
8/6/2020 12:48:51 PM



#60
o-Xylene
Concen: 2.205 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion: 91 Resp: 779528
Ion Ratio Lower Upper
91 100
106 42.4 22.7 68.0





#61

Stvrene

Concen: 2.158 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

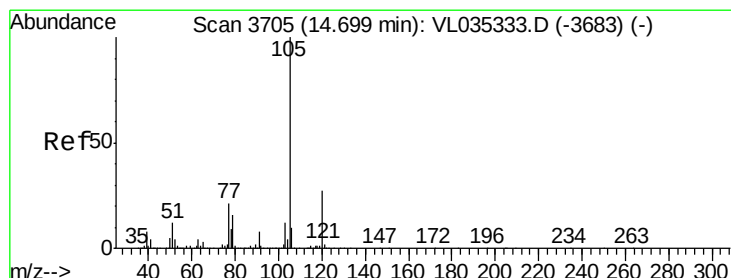
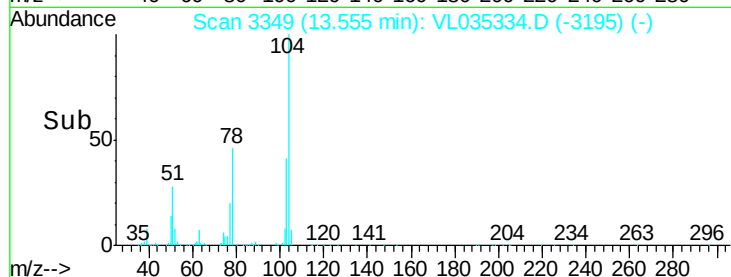
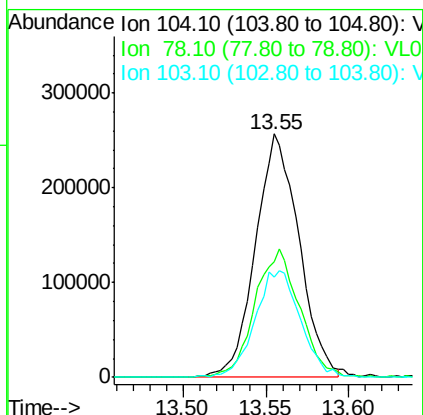
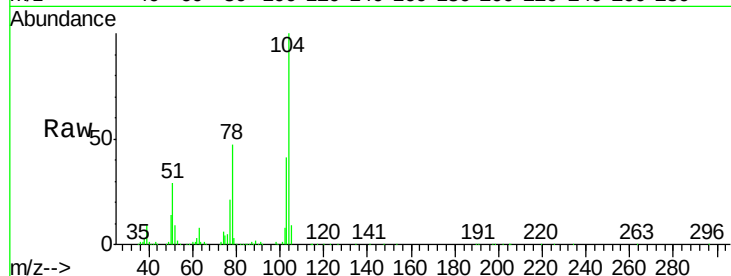
ClientSampleId :

VSTDIC002

Tot Ion:	104	Resp:	469021
Ion Ratio	Lower	Upper	
104	100		
78	54.6	42.6	63.8
103	46.0	38.1	57.1

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#62

Isopropylbenzene

Concen: 2.130 ppbv

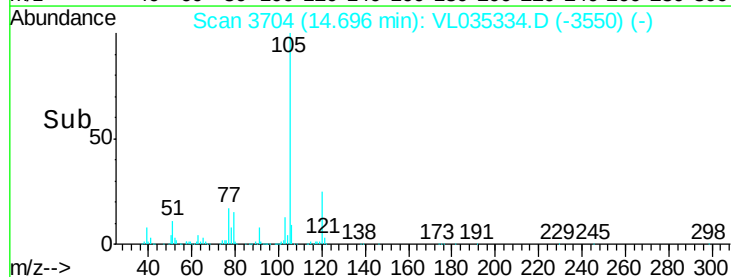
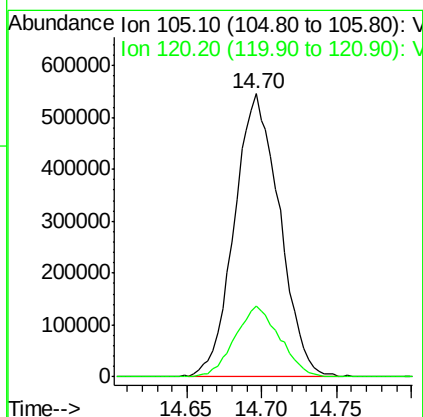
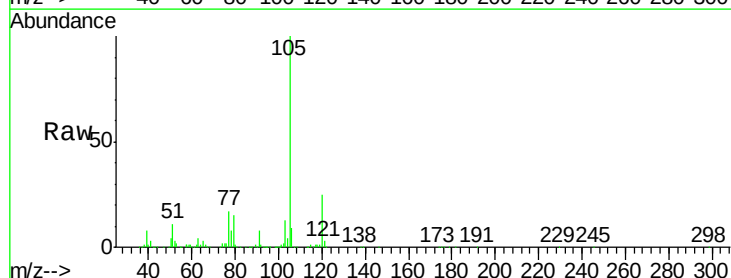
RT: 14.70 min Scan# 3704

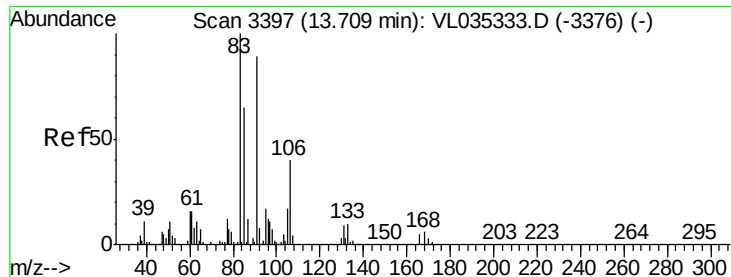
Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	105	Resp:	1135599
Ion Ratio	Lower	Upper	
105	100		
120	25.1	21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 2.104 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

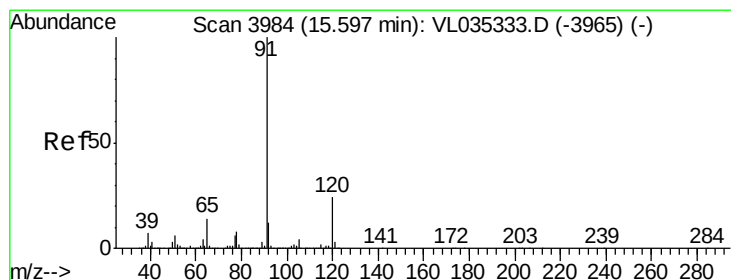
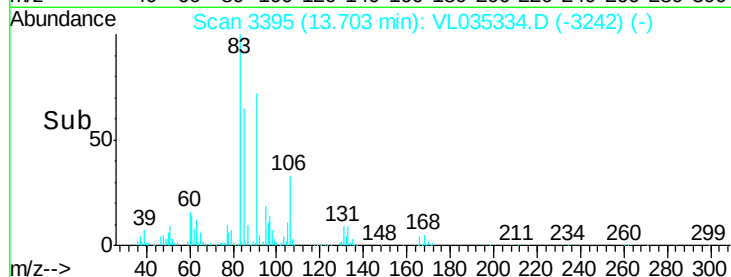
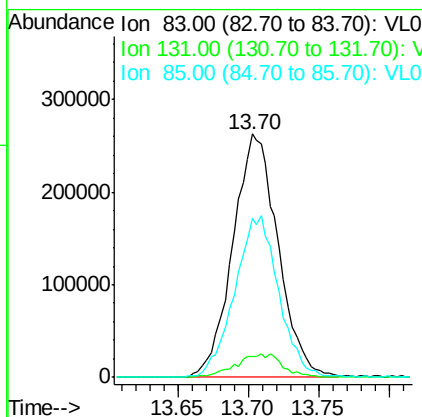
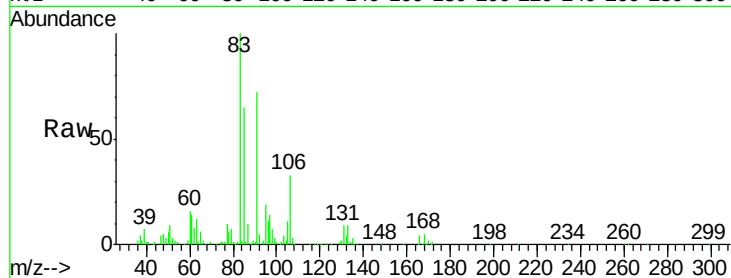
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	583290
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	65.4	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



#64

n-propylbenzene

Concen: 2.091 ppbv

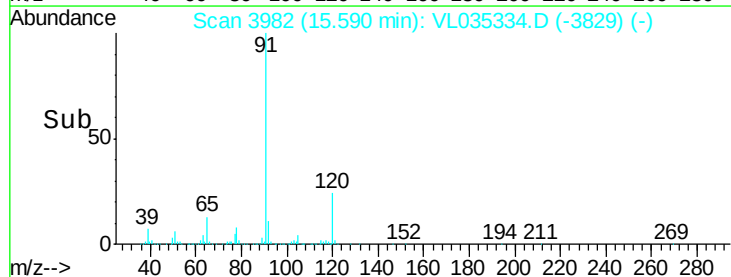
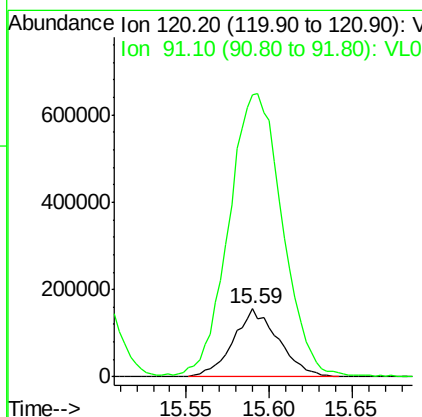
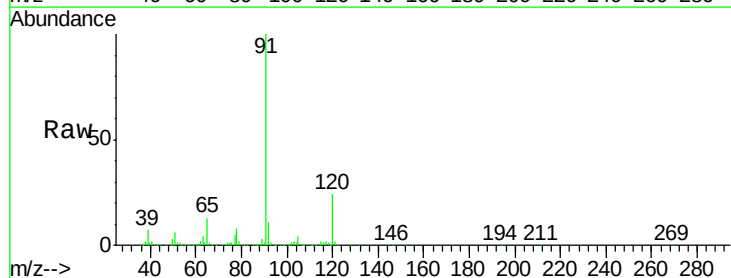
RT: 15.59 min Scan# 3982

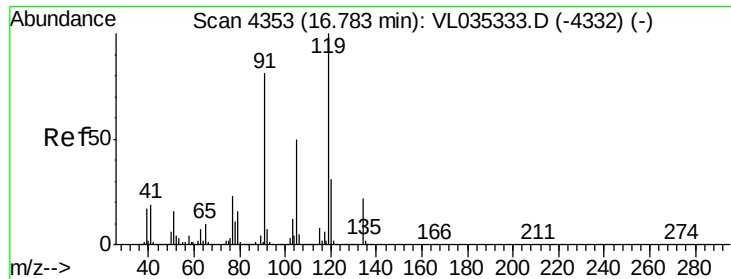
Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion:	120	Resp:	291716
Ion Ratio	Lower	Upper	
120	100		
91	500.5	357.2	535.8





#65

tert-Butylbenzene

Concen: 2.228 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1063734

Ion Ratio Lower Upper

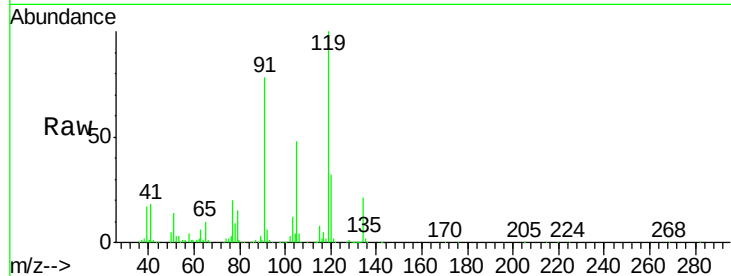
119 100

91 85.6 66.3 99.5

134 19.8 16.2 24.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 12:48:51 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

600000

500000

400000

300000

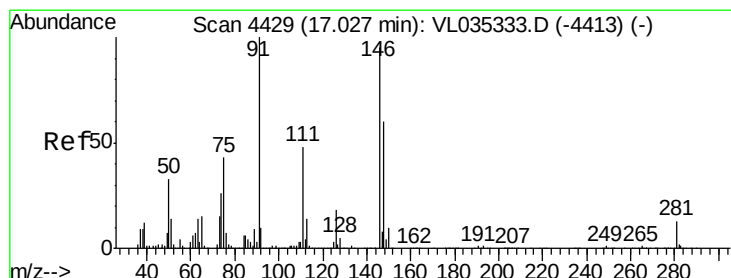
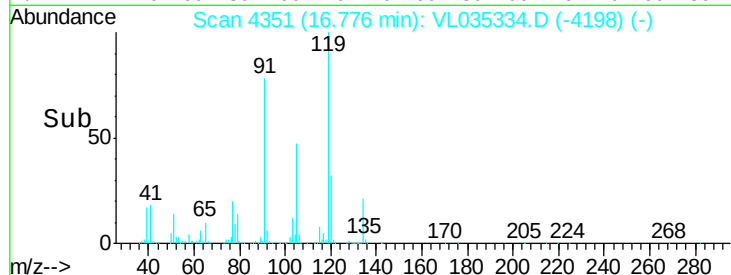
200000

100000

0

16.70 16.75 16.80 16.85

Time-->



#66

Benzyl Chloride

Concen: 2.029 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

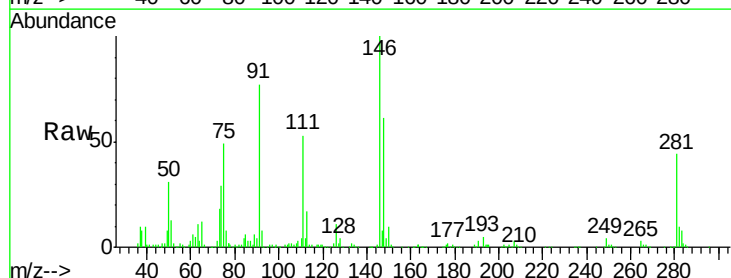
Tgt Ion: 91 Resp: 374523

Ion Ratio Lower Upper

91 100

126 16.4 14.1 21.1

128 5.0 4.5 6.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

200000

150000

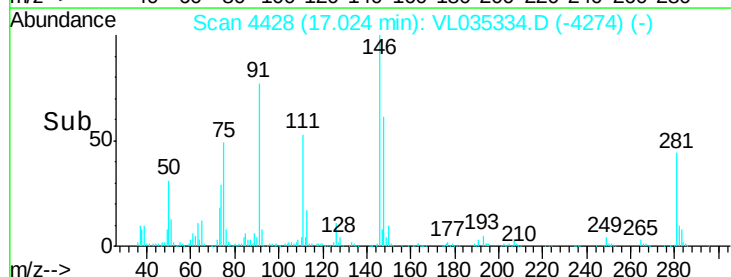
100000

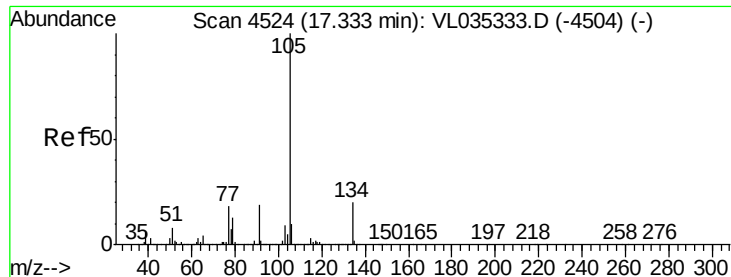
50000

0

16.95 17.00 17.05 17.10

Time-->





#67

sec-Butylbenzene

Concen: 2.276 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1536395

Ion Ratio Lower Upper

105 100

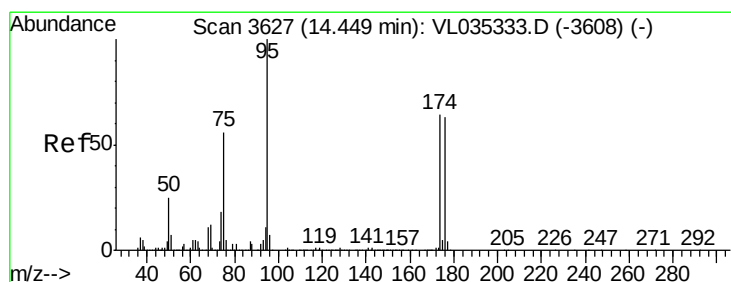
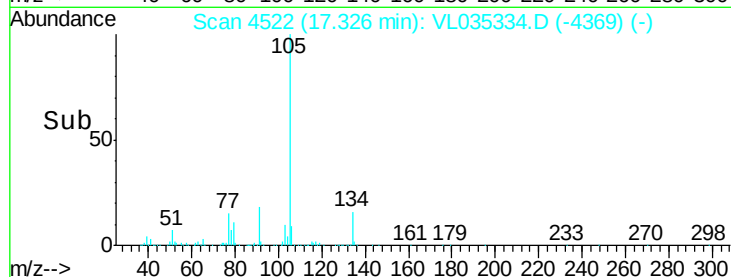
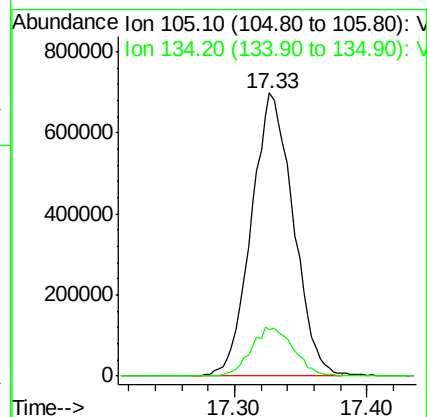
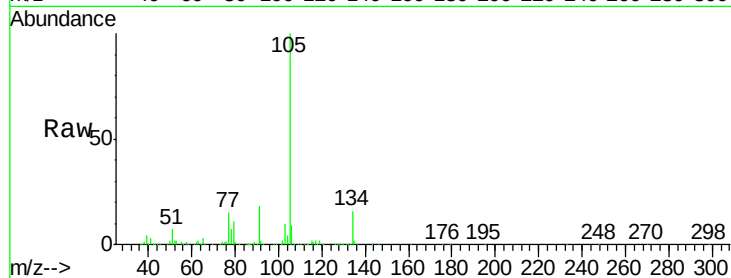
134 17.6 15.4 23.2

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:51 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.675 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

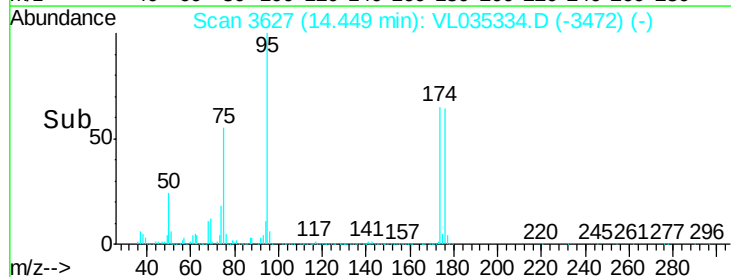
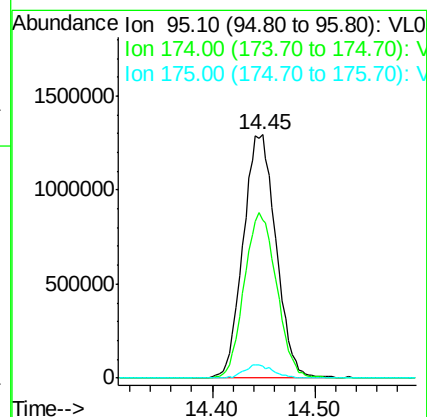
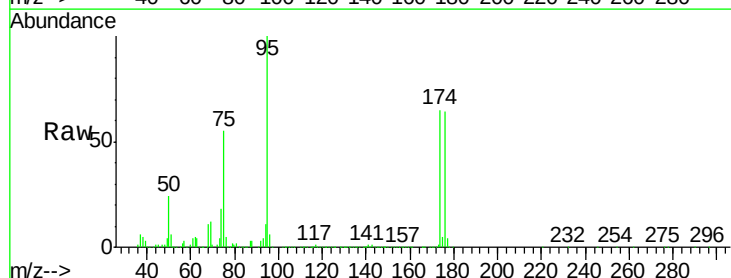
Tgt Ion: 95 Resp: 2866300

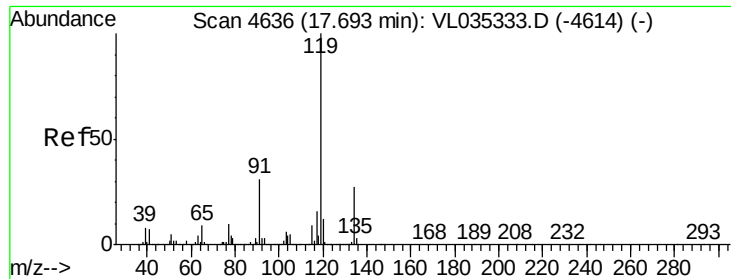
Ion Ratio Lower Upper

95 100

174 67.2 53.5 80.3

175 4.9 4.2 6.2





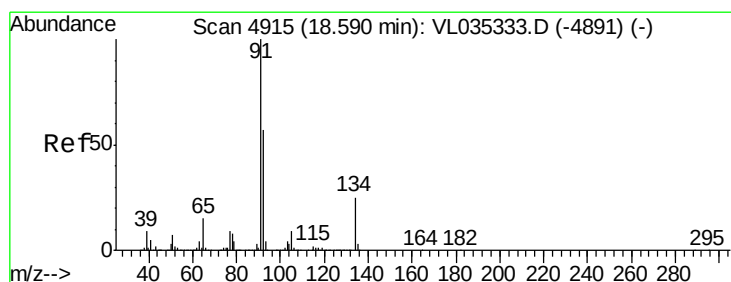
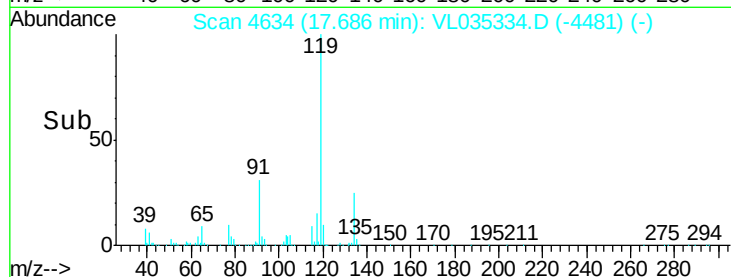
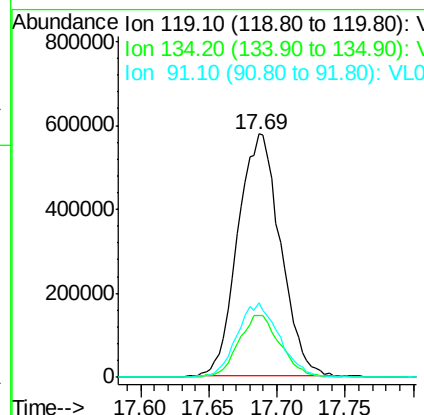
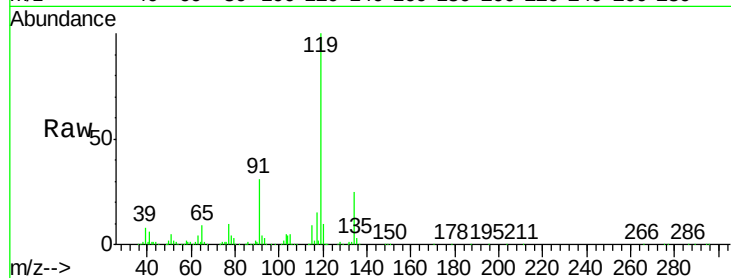
#69
 p-Isopropyltoluene
 Concen: 2.248 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	21.1	31.7
91	30.8	24.5	36.7

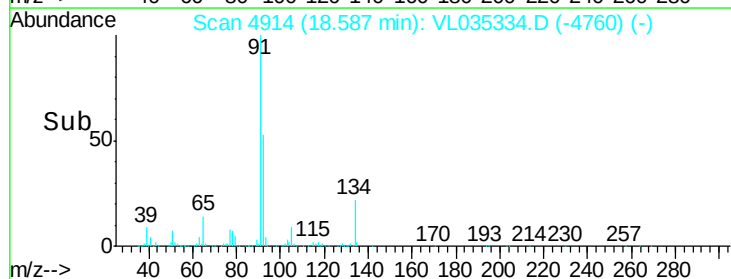
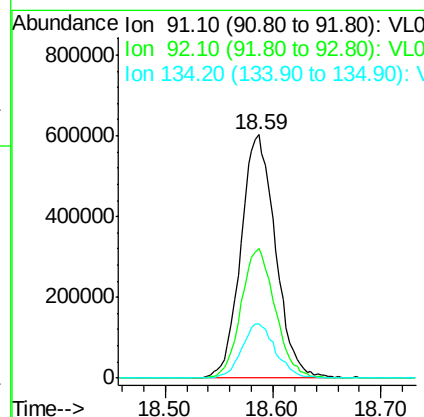
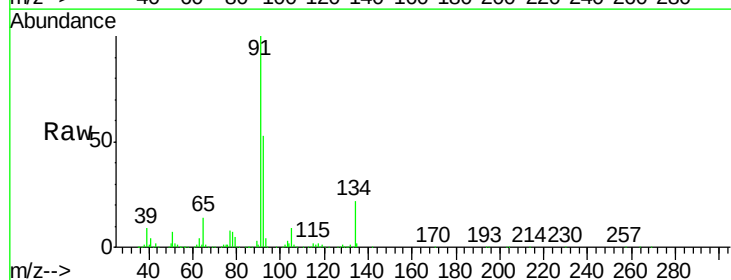
Manual Integrations
 APPROVED

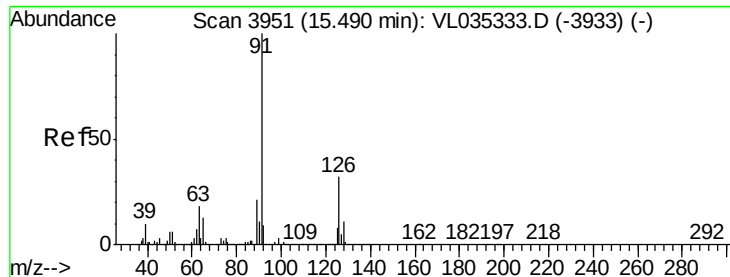
MMDadoda
 8/6/2020 12:48:51 PM



#70
 n-Butylbenzene
 Concen: 2.237 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	44.2	66.2
134	21.9	19.0	28.6





#71

2-Chlorotoluene

Concen: 2.153 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.01 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 856874

Ion Ratio Lower Upper

91 100

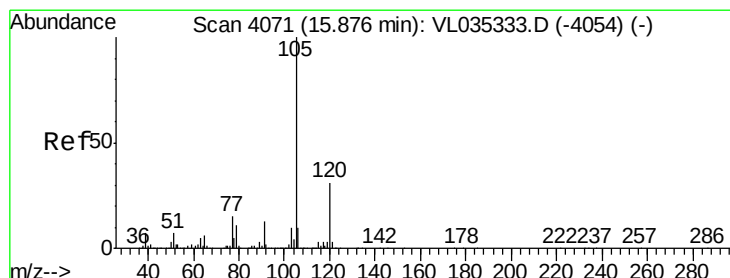
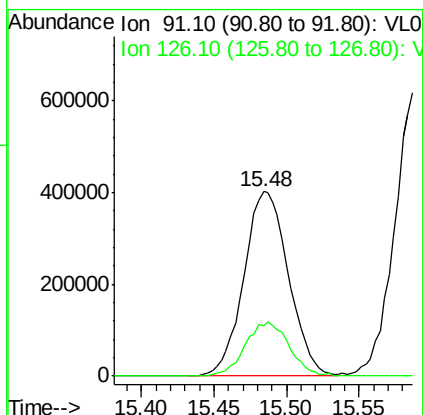
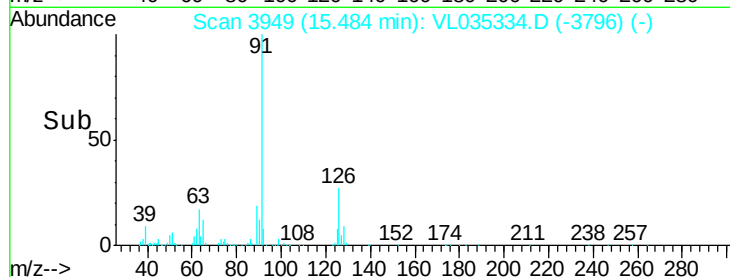
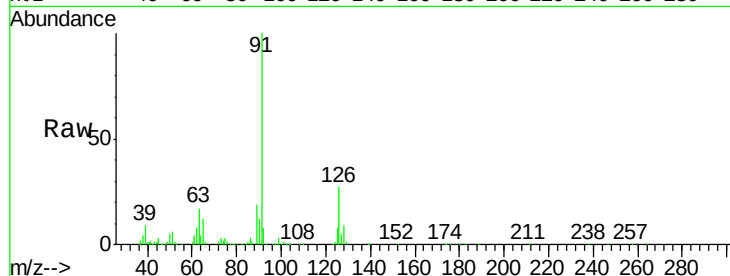
126 29.1 12.5 50.1

Manual Integrations

APPROVED

MMDadoda

8/6/2020 12:48:51 PM



#72

4-Ethyltoluene

Concen: 2.175 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035334.D

Acq: 5 Aug 2020 9:20

Tgt Ion: 105 Resp: 867504

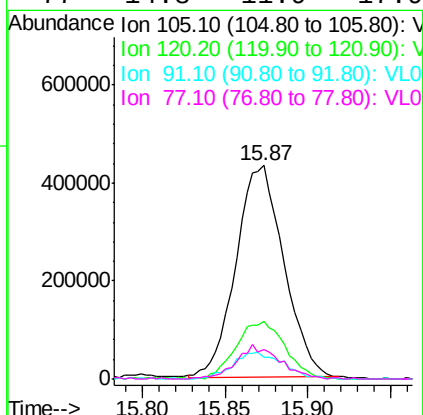
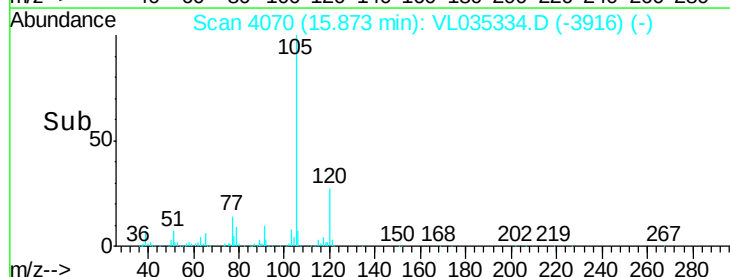
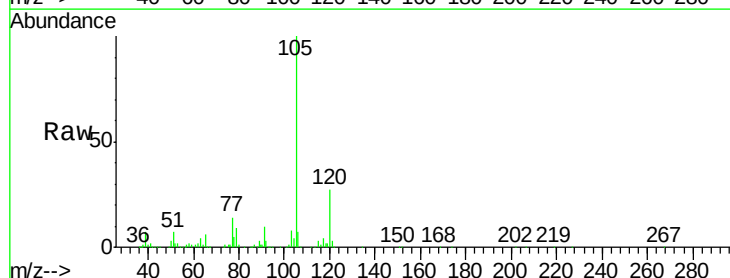
Ion Ratio Lower Upper

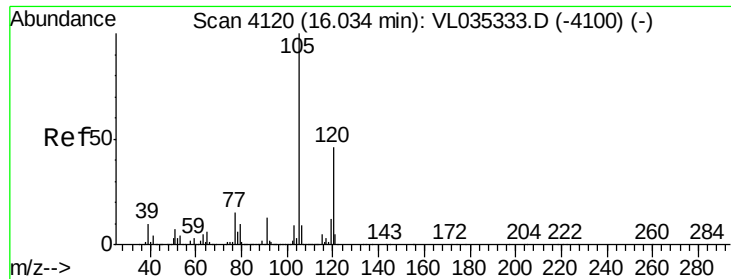
105 100

120 28.1 24.0 36.0

91 13.5 10.8 16.2

77 14.8 11.9 17.9





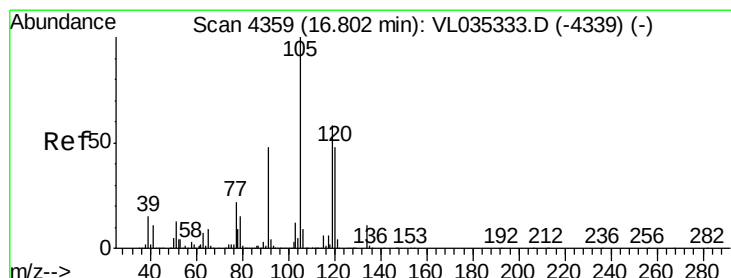
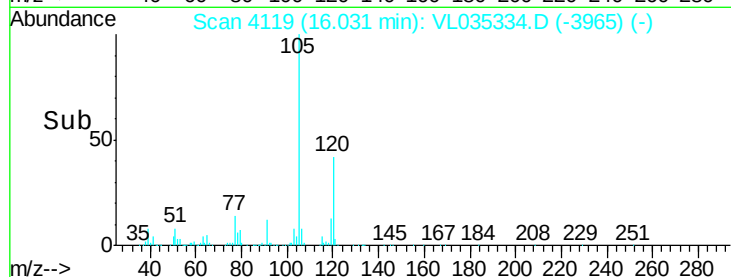
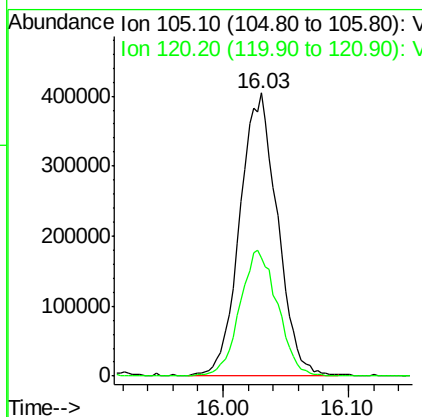
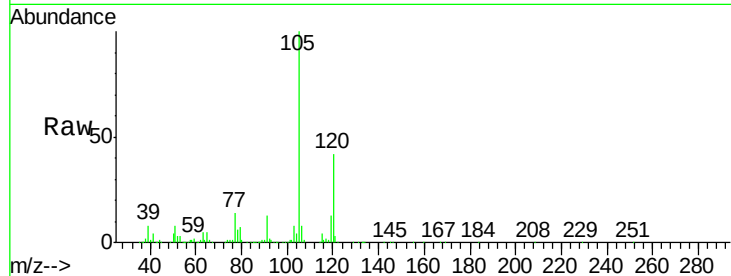
#73
 1,3,5-Trimethylbenzene
 Concen: 2.159 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.6	36.9	55.3

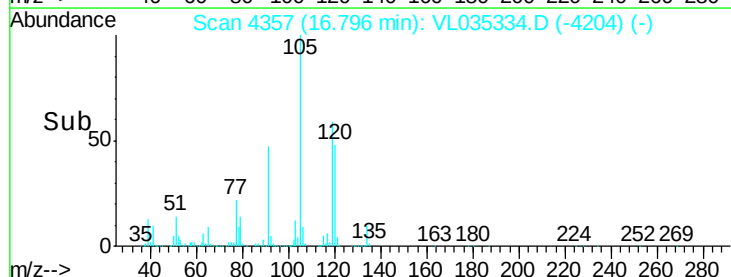
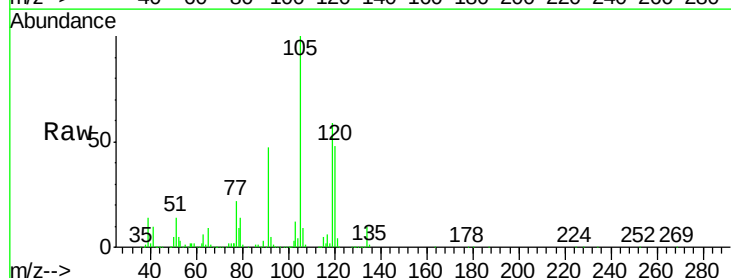
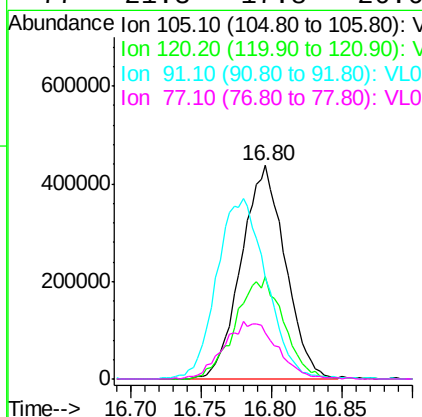
Manual Integrations
 APPROVED

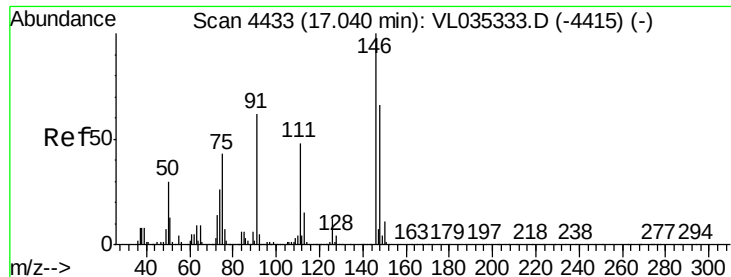
MMDadoda
 8/6/2020 12:48:51 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 2.126 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	38.5	57.7
91	46.9	39.0	58.6
77	21.3	17.8	26.6





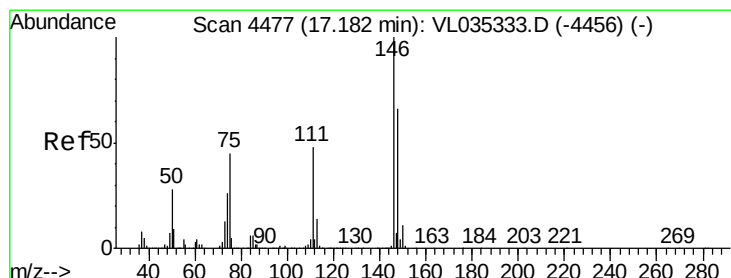
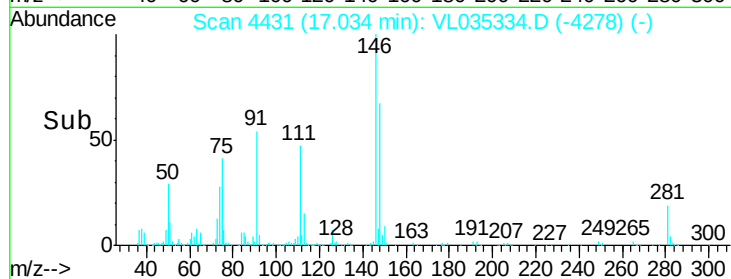
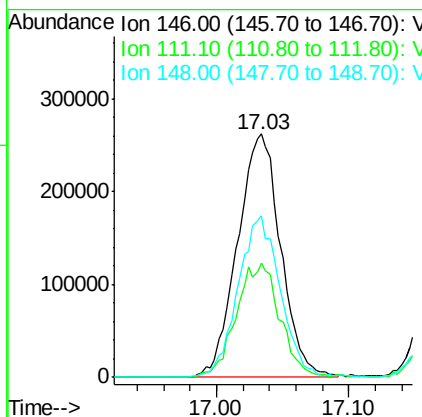
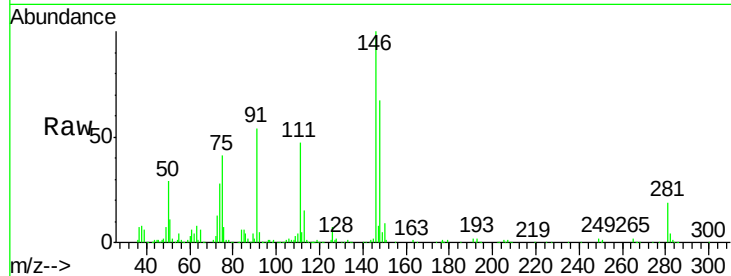
#75
 1,3-Dichlorobenzene
 Concen: 2.103 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.2	72.6
148	65.9	32.6	98.0

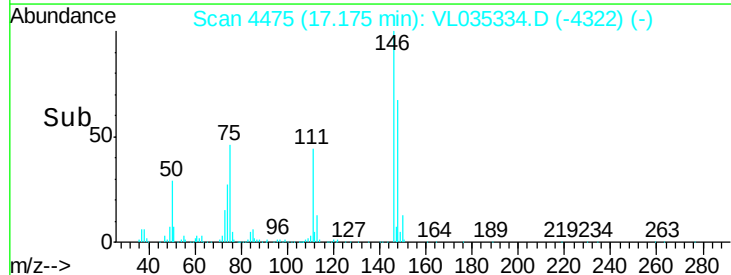
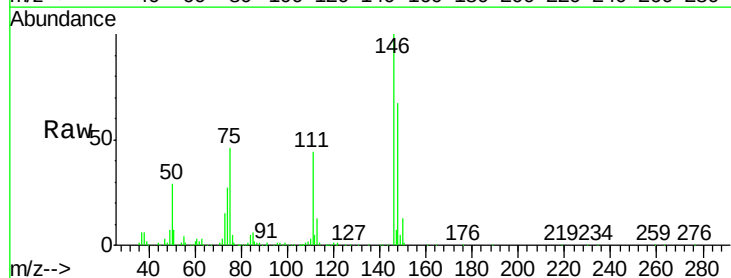
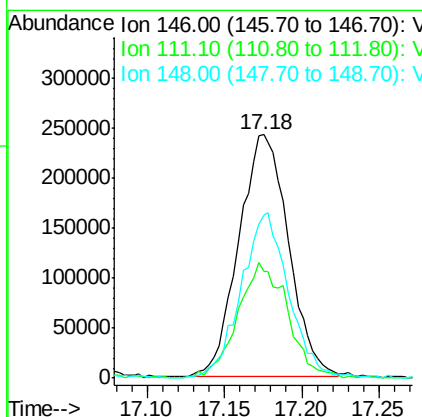
Manual Integrations
 APPROVED

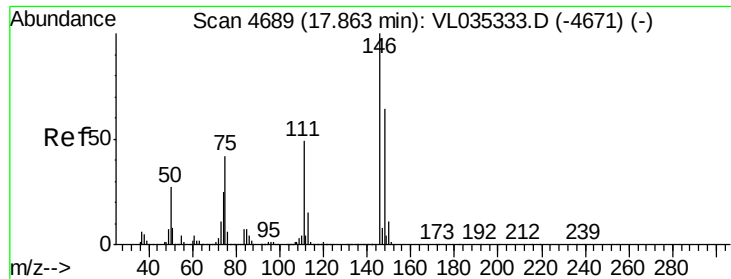
MMDadoda
 8/6/2020 12:48:51 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.051 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.3	23.3	69.9
148	65.7	32.1	96.5





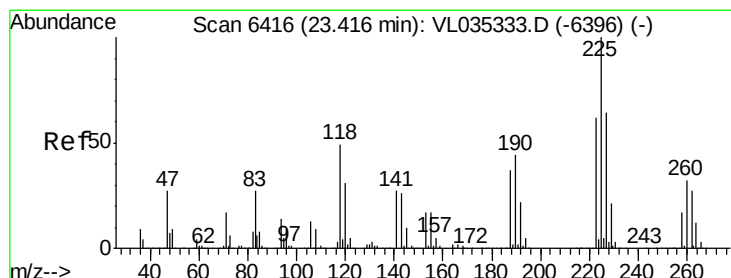
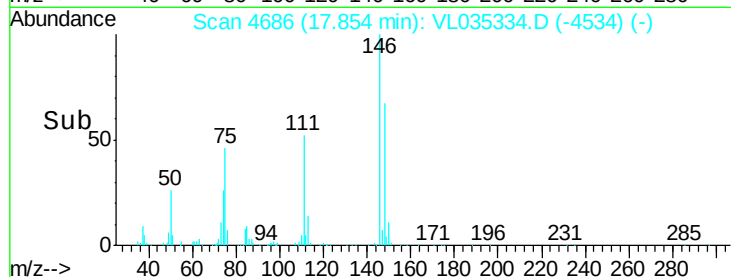
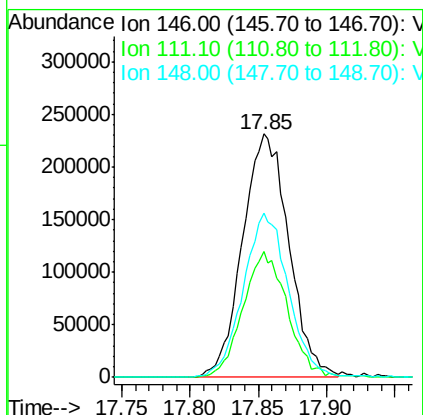
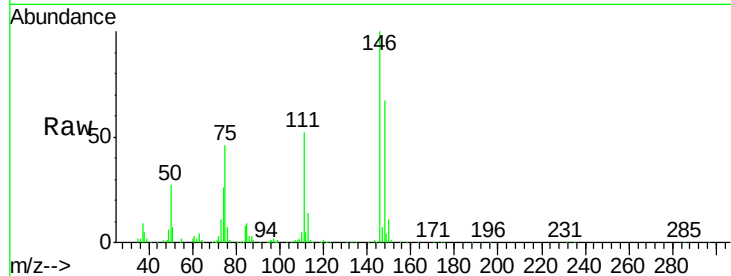
#77
 1,2-Dichlorobenzene
 Concen: 2.119 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.9	74.7
148	66.1	31.9	95.9

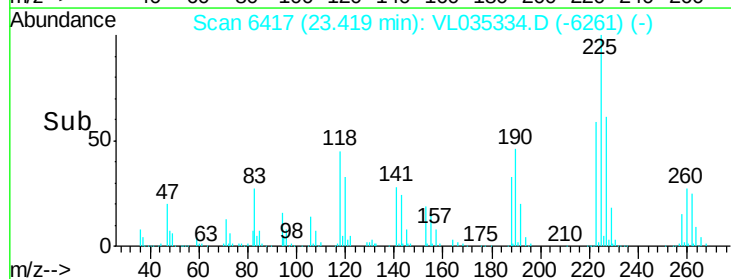
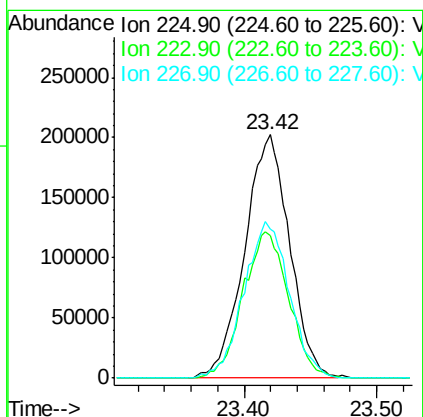
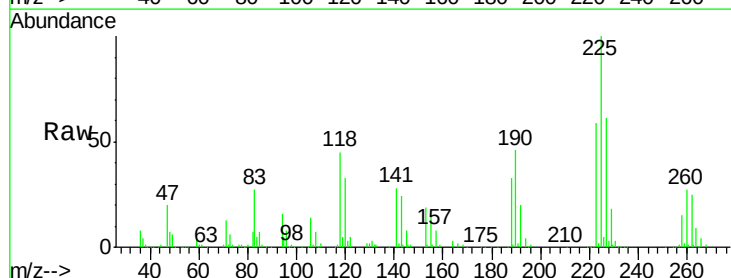
Manual Integrations
 APPROVED

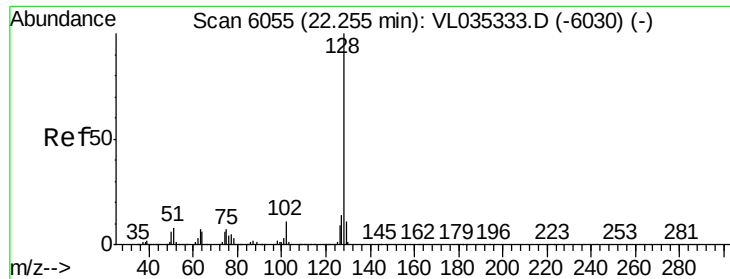
MMDadoda
 8/6/2020 12:48:51 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.278 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.3	75.5
227	65.4	52.7	79.1





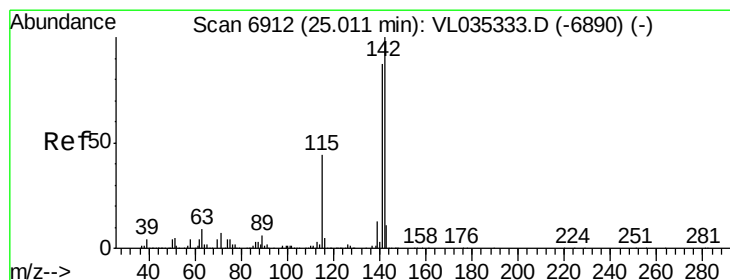
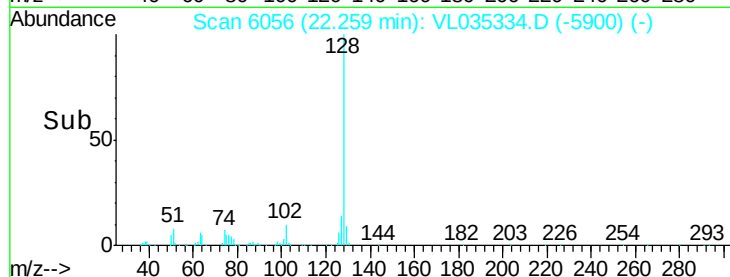
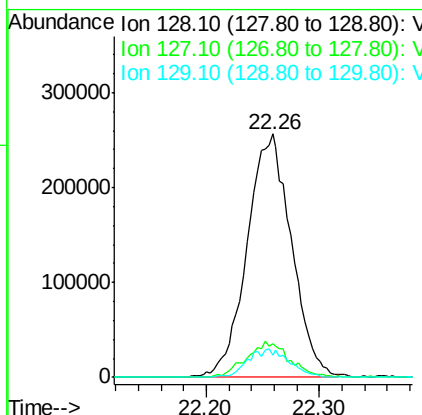
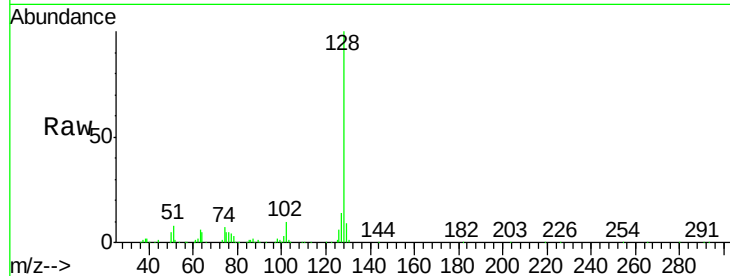
#79
Naphthalene
Concen: 1.966 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.1	16.7
129	9.1	8.7	13.1

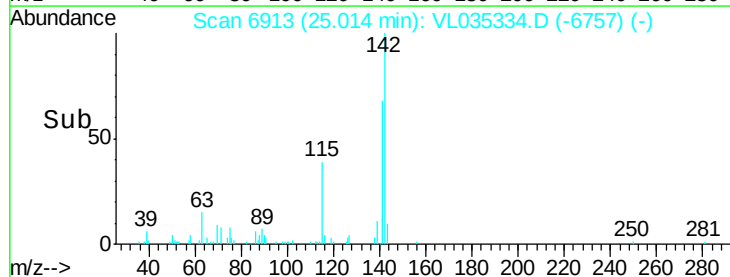
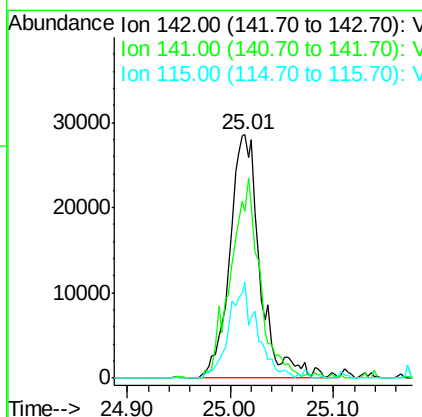
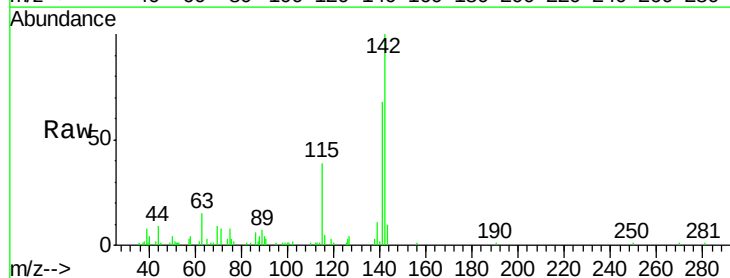
Manual Integrations
APPROVED

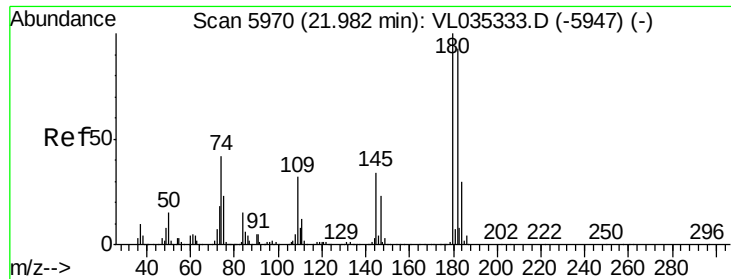
MMDadoda
8/6/2020 12:48:51 PM



#80
Naphthalene, 2-methyl-
Concen: 0.562 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035334.D
Acq: 5 Aug 2020 9:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.7	69.0	103.6
115	36.4	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.029 ppbv m
 RT: 21.98 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL035334.D
 Acq: 5 Aug 2020 9:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	437707		
182	0.0	77.2	115.8#	
184	0.0	25.1	37.7#	

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:51 PM

