

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035119.D
 Acq On : 22 Jun 2020 20:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:51 AM

Quant Time: Jun 23 02:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 23 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1292914	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3064939	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	3175759m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2475744	9.38	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1678834	9.616	ppbv	96
3) Chlorodifluoromethane	2.95	51	1326312	9.286	ppbv	99
4) Chloromethane	3.10	50	767618	9.588	ppbv	97
5) Vinyl Chloride	3.22	62	756074	9.930	ppbv	99
6) Bromomethane	3.44	94	457948	9.686	ppbv	92
7) Chloroethane	3.53	64	293690	10.229	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1731725	9.251	ppbv	99
9) Propene	2.97	41	592947	10.484	ppbv	97
10) Heptane	8.14	43	1522680	10.389	ppbv	99
11) Trichlorofluoromethane	3.92	101	1780943	9.549	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1257891	9.753	ppbv	98
13) Ethanol	3.58	45	150821	7.059	ppbv	95
14) Bromoethene	3.71	108	560501	10.082	ppbv	99
15) Acetone	3.82	43	1368186	8.753	ppbv	100
16) 1,3-Butadiene	3.29	39	693304	10.113	ppbv	99
17) tert-Butyl alcohol	4.27	59	1521414	10.982	ppbv	100
18) 1,1-Dichloroethene	4.27	96	588257	10.113	ppbv	98
19) Isopropyl Alcohol	3.94	45	1044395	10.290	ppbv	# 98
20) Methylene Chloride	4.32	84	519694	8.215	ppbv	91
21) Allyl Chloride	4.39	41	982304	10.574	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	584272	10.736	ppbv	98
23) Vinyl Acetate	5.06	43	2036758	10.734	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1539466	9.624	ppbv	99
25) Ethyl Acetate	5.67	43	2653994	9.408	ppbv	99
26) Hexane	5.68	57	1196113	9.404	ppbv	98
27) Carbon Disulfide	4.53	76	1565400	11.893	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1859599	10.406	ppbv	100
29) Chloroform	5.75	83	1828845	9.188	ppbv	99
30) Cyclohexane	7.14	84	986621	10.808	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1199472	10.230	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1790800	9.701	ppbv	100
34) 2-Butanone	5.24	43	1709952	9.715	ppbv	100
35) Carbon Tetrachloride	7.03	117	1840760	10.014	ppbv	99
36) Benzene	6.90	78	2365133	9.965	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1442631	9.618	ppbv	100
38) Trichloroethene	7.85	130	902842	9.794	ppbv	98
39) 1,2-Dichloropropane	7.63	63	917163	9.881	ppbv	97
40) 1,4-Dioxane	7.84	88	358676	9.796	ppbv	# 95
41) Tetrahydrofuran	6.05	42	960691	10.686	ppbv	99
42) Bromodichloromethane	7.81	83	1964652	10.113	ppbv	98
43) Methyl Methacrylate	8.03	69	1062510	10.577	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035119.D
 Acq On : 22 Jun 2020 20:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

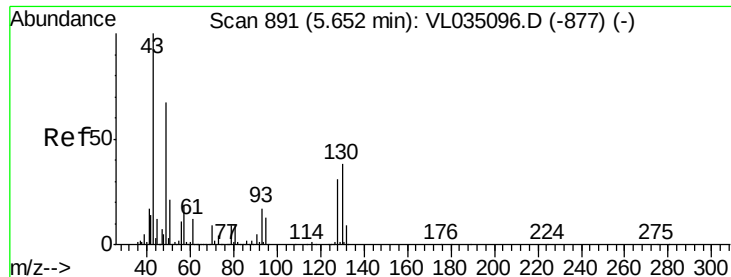
Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:51 AM

Quant Time: Jun 23 02:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4021158	9.708	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1191284	12.185	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1415940	11.658	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	964998	9.525	ppbv	99
48) Dibromochloromethane	10.34	129	1590451	10.531	ppbv	100
49) Bromoform	13.08	173	1321420	10.299	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2478596	9.911	ppbv	99
51) 2-Hexanone	10.16	43	2004394	10.235	ppbv	100
52) Tetrachloroethene	11.26	164	821760	9.827	ppbv	97
53) Toluene	9.83	91	2690739	10.629	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1448659	9.658	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1184066	9.111	ppbv	100
57) Chlorobenzene	12.19	112	1992553	8.527	ppbv	96
58) Ethyl Benzene	12.75	91	3548019	9.943	ppbv	100
59) m/p-Xylene	13.03	91	5786000m	18.297	ppbv	
60) o-Xylene	13.73	91	2856478	9.073	ppbv	100
61) Styrene	13.57	104	2039822	10.297	ppbv	99
62) Isopropylbenzene	14.71	105	4197099	8.934	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1971149	7.731	ppbv	100
64) n-propylbenzene	15.61	120	1100876	9.183	ppbv	97
65) tert-Butylbenzene	16.79	119	3606136	8.964	ppbv	99
66) Benzyl Chloride	17.04	91	1420191	11.429	ppbv	100
67) sec-Butylbenzene	17.34	105	5137183	8.910	ppbv	99
69) p-Isopropyltoluene	17.70	119	4311653	9.375	ppbv	100
70) n-Butylbenzene	18.60	91	4626018	9.338	ppbv	99
71) 2-Chlorotoluene	15.50	91	3243404	9.134	ppbv	99
72) 4-Ethyltoluene	15.89	105	3345396	9.552	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3086086	9.322	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3257357	8.816	ppbv #	89
75) 1,3-Dichlorobenzene	17.05	146	1880112	8.527	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1874916	8.889	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1829494	9.068	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1778581	9.807	ppbv	99
79) Naphthalene	22.27	128	3921049	12.104	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	1469988	11.868	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	2032745	10.878	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1292914

Ion Ratio Lower Upper

49 100

128 45.8 22.9 68.5

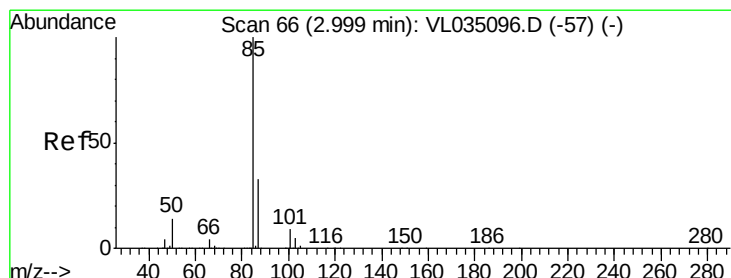
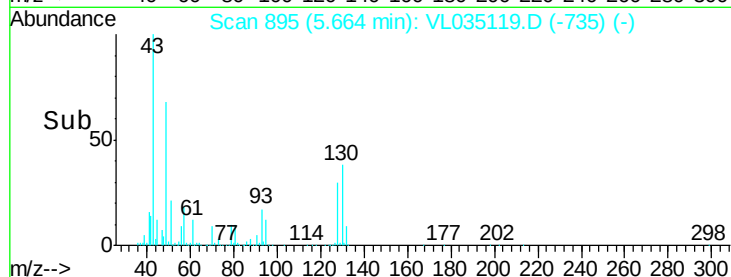
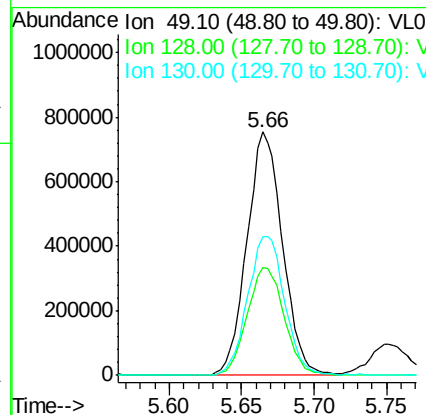
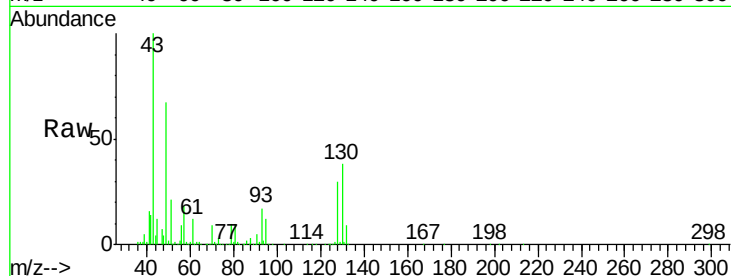
130 59.5 29.0 87.0

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:51 AM



#2

Dichlorodifluoromethane

Concen: 9.616 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035119.D

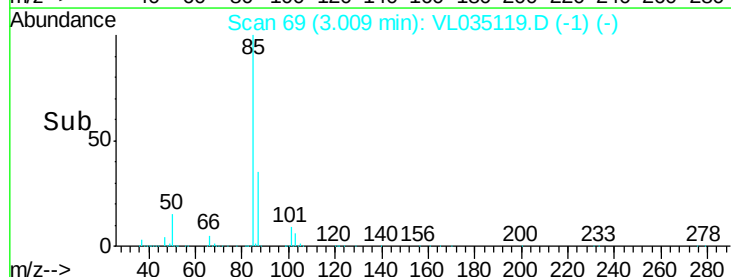
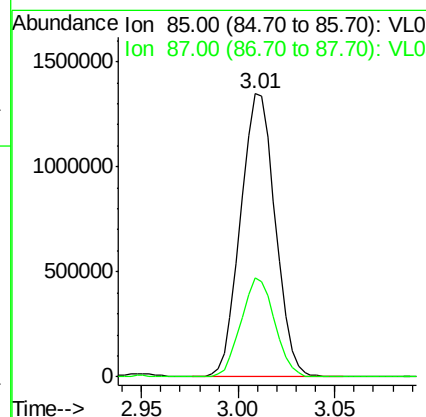
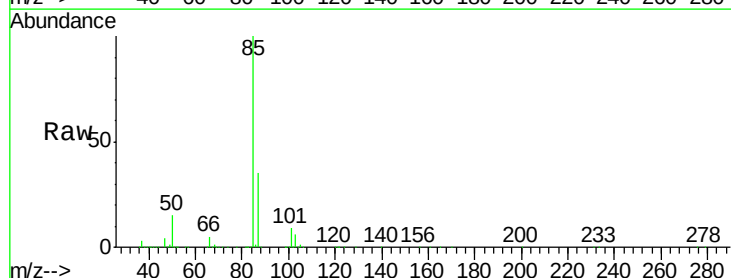
Acq: 22 Jun 2020 20:33

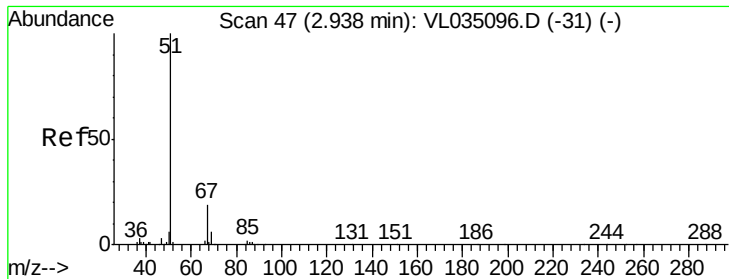
Tgt Ion: 85 Resp: 1678834

Ion Ratio Lower Upper

85 100

87 34.9 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.286 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1326312

Ion Ratio Lower Upper

51 100

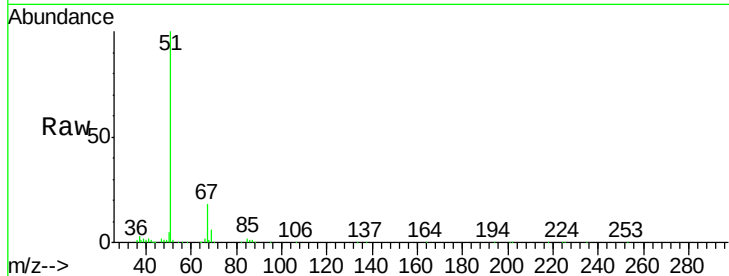
67 19.3 15.2 22.8

Manual Integrations

APPROVED

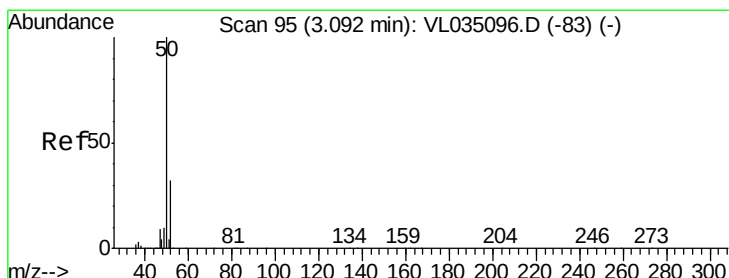
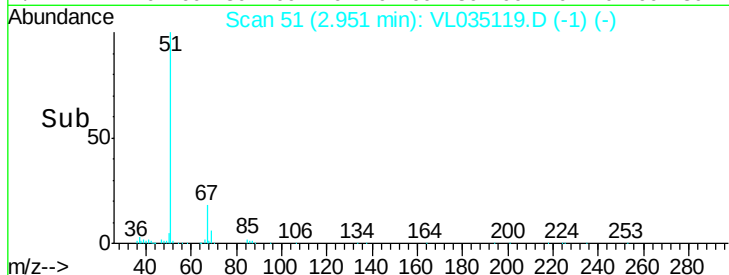
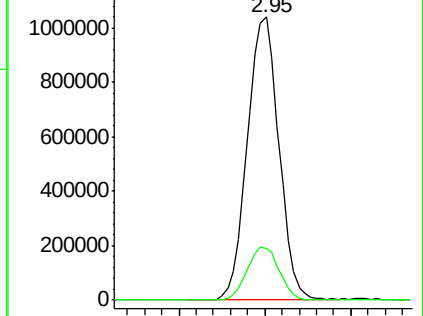
MMDadoda

6/23/2020 10:59:51 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.588 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035119.D

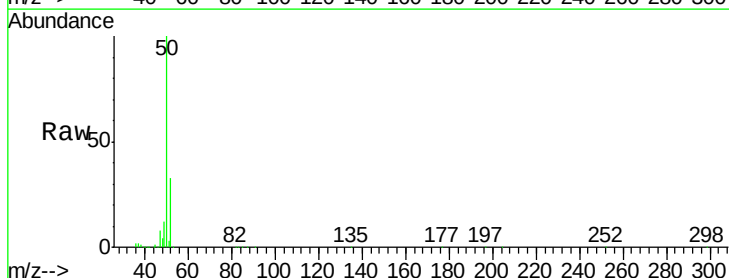
Acq: 22 Jun 2020 20:33

Tgt Ion: 50 Resp: 767618

Ion Ratio Lower Upper

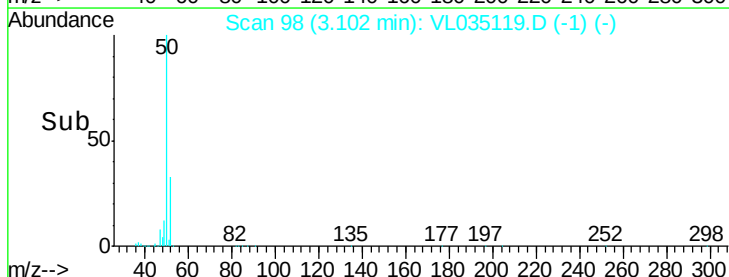
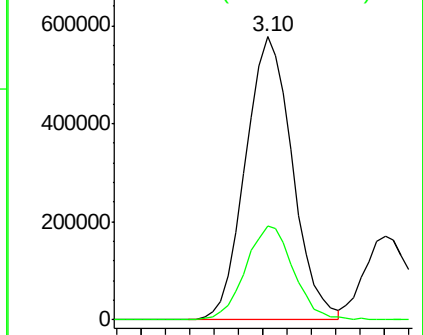
50 100

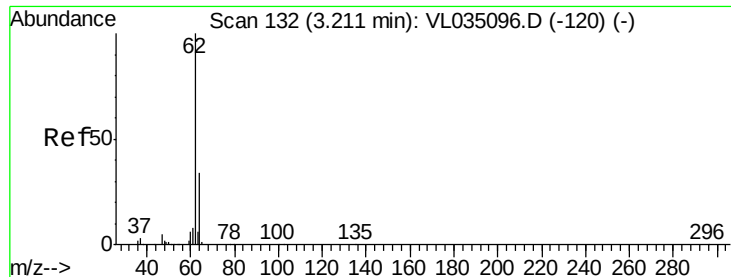
52 33.1 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.930 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 756074

Ion Ratio Lower Upper

62 100

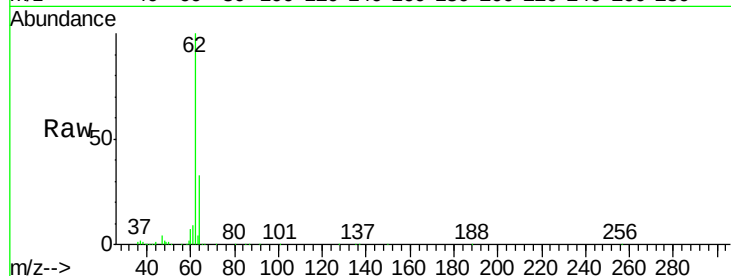
64 33.3 27.0 40.4

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:51 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

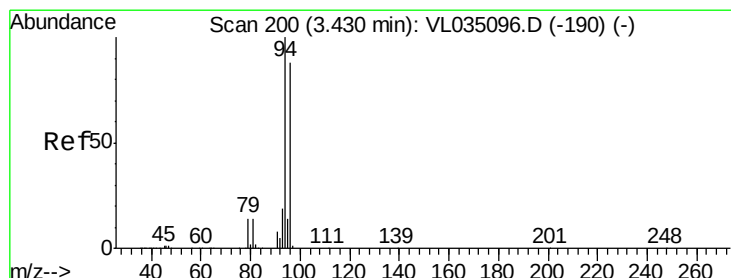
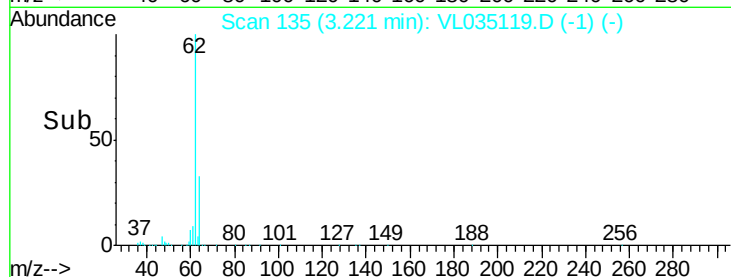
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.686 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035119.D

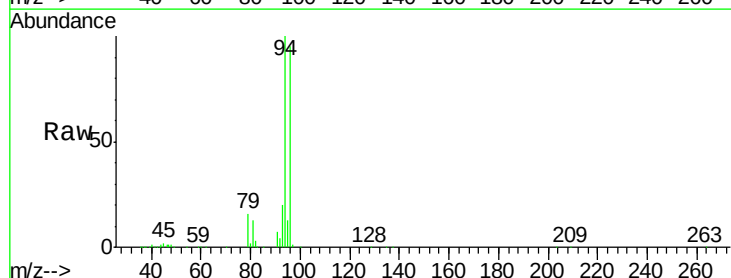
Acq: 22 Jun 2020 20:33

Tgt Ion: 94 Resp: 457948

Ion Ratio Lower Upper

94 100

96 95.3 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

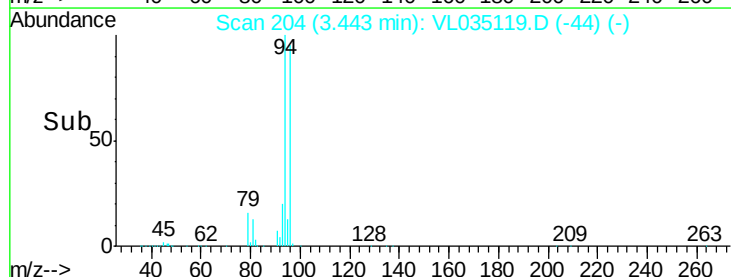
300000

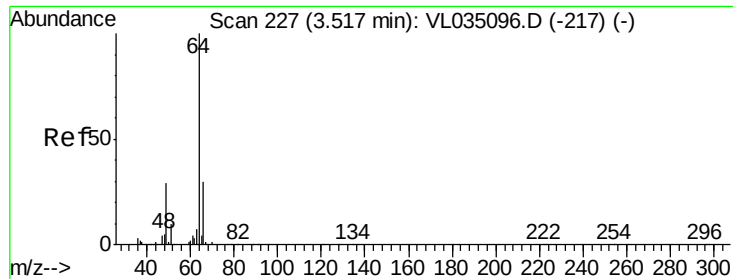
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.229 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 293690

Ion Ratio Lower Upper

64 100

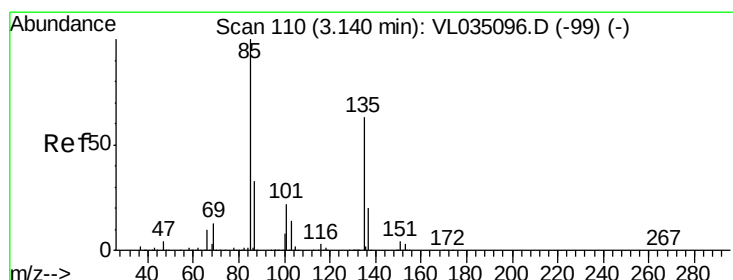
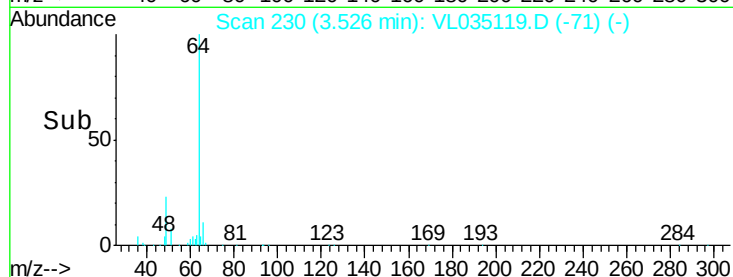
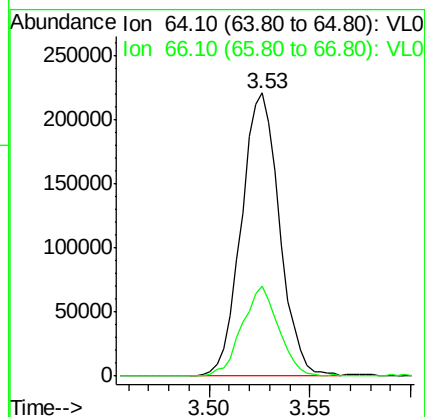
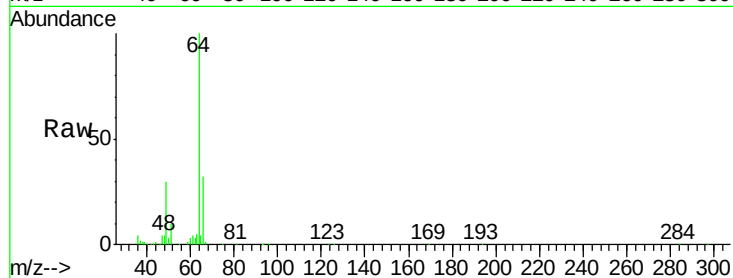
66 31.7 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:51 AM



#8

Dichlorotetrafluoroethane

Concen: 9.251 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL035119.D

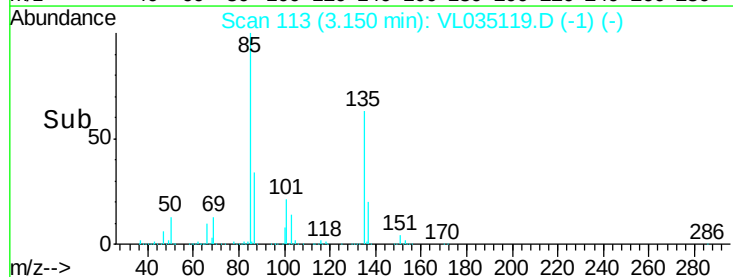
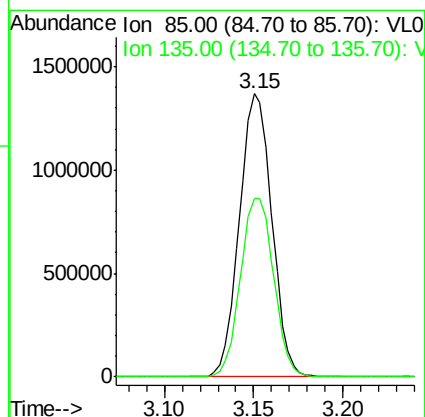
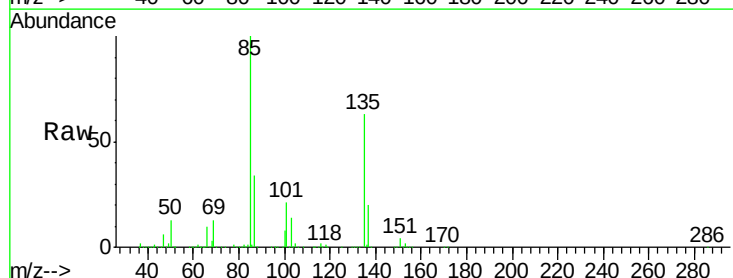
Acq: 22 Jun 2020 20:33

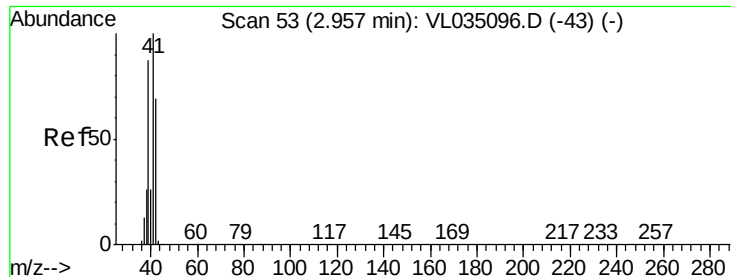
Tgt Ion: 85 Resp: 1731725

Ion Ratio Lower Upper

85 100

135 64.7 51.0 76.6





#9

Propene

Concen: 10.484 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 592947

Ion Ratio Lower Upper

41 100

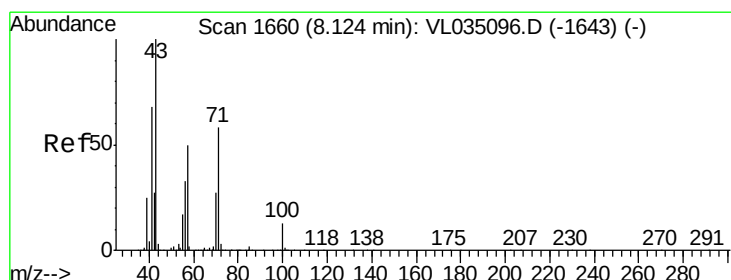
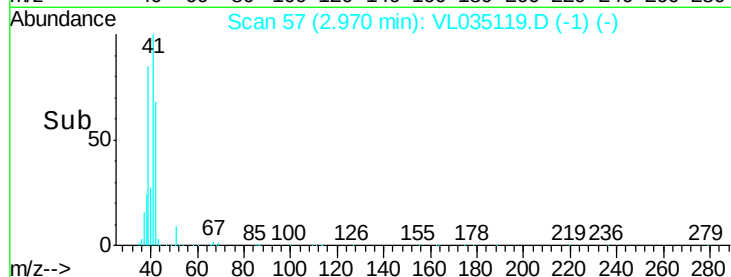
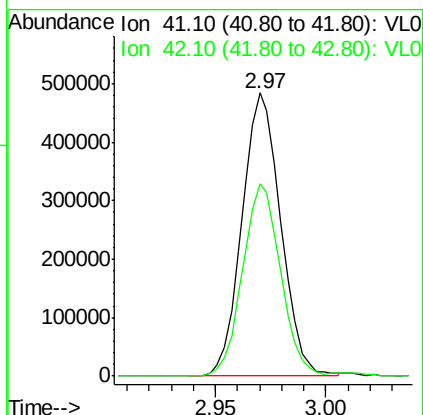
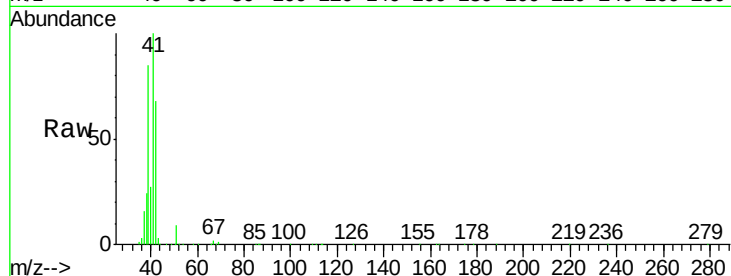
42 67.6 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

6/23/2020 10:59:51 AM



#10

Heptane

Concen: 10.389 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL035119.D

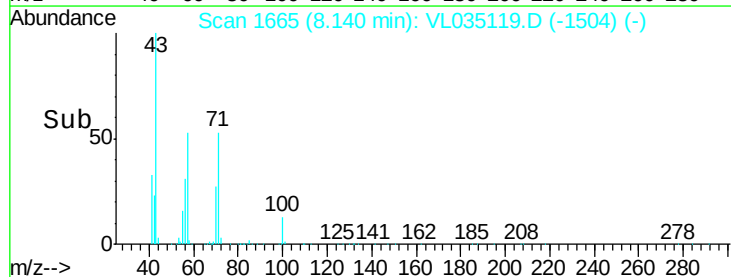
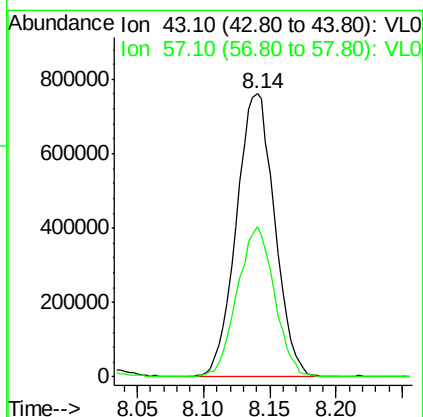
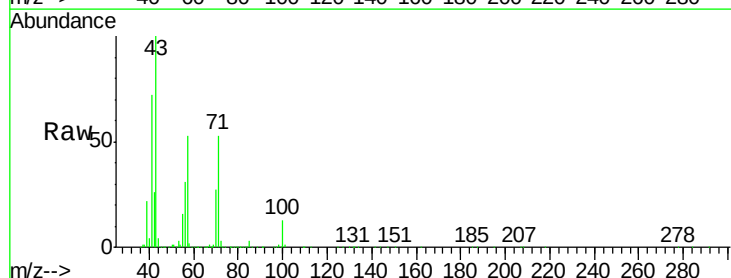
Acq: 22 Jun 2020 20:33

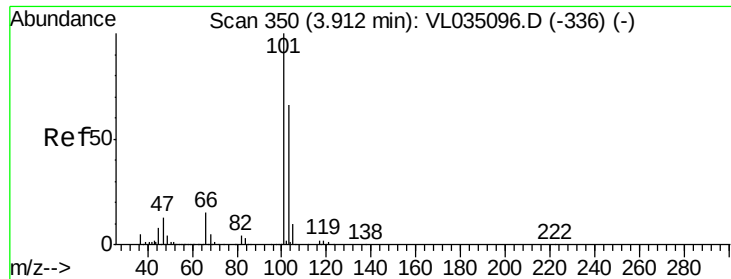
Tgt Ion: 43 Resp: 1522680

Ion Ratio Lower Upper

43 100

57 51.9 41.9 62.9





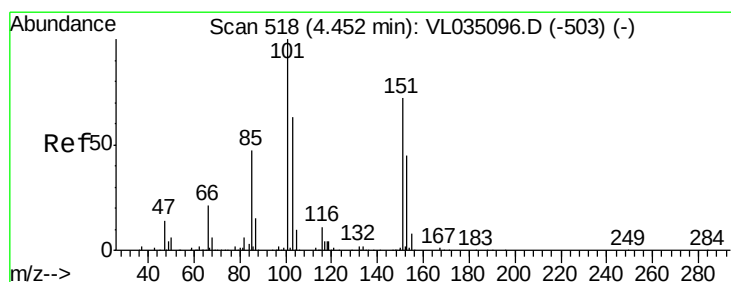
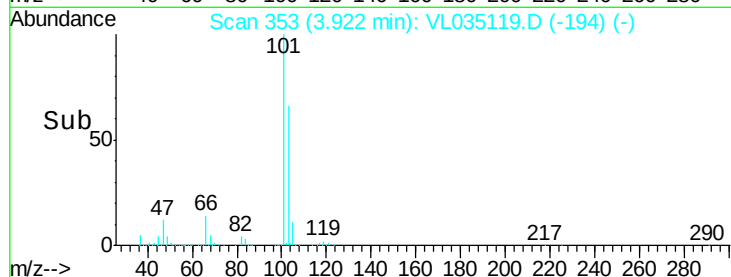
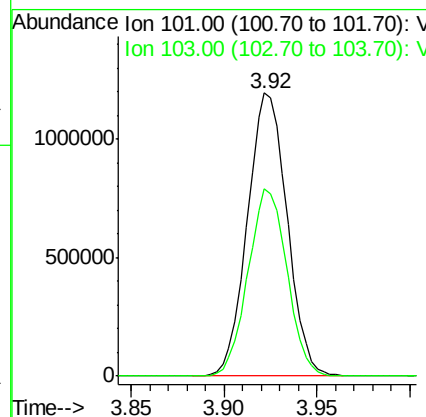
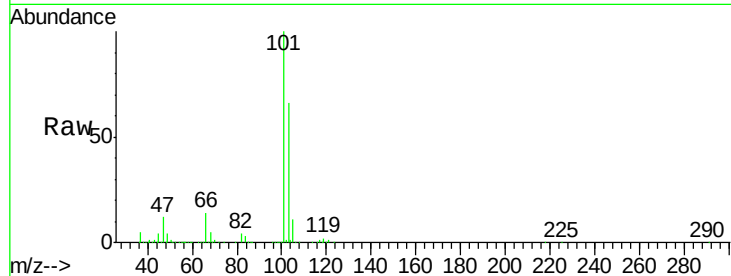
#11
 Trichlorofluoromethane
 Concen: 9.549 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1780943
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.6 79.0

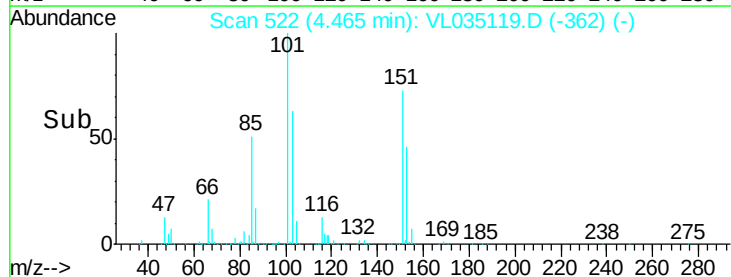
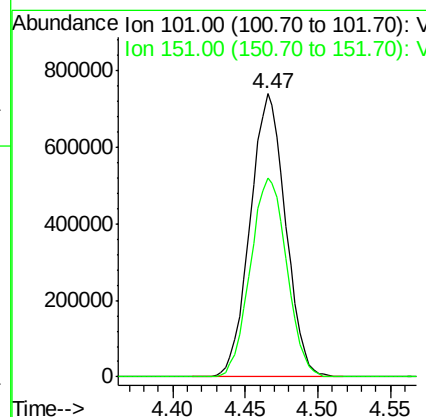
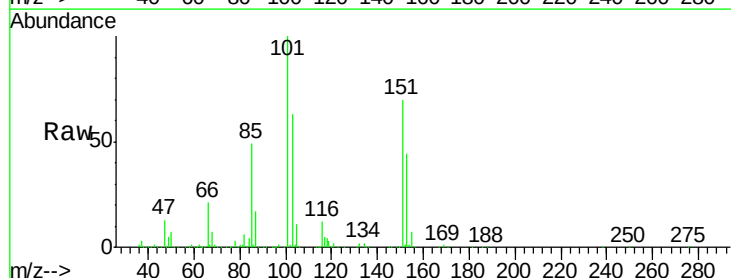
Manual Integrations
 APPROVED

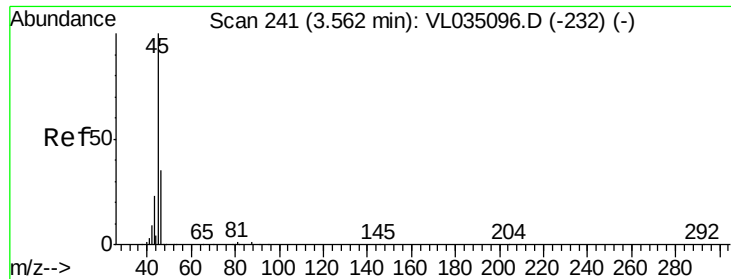
MMDadoda
 6/23/2020 10:59:51 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.753 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:101 Resp: 1257891
 Ion Ratio Lower Upper
 101 100
 151 72.5 56.6 85.0





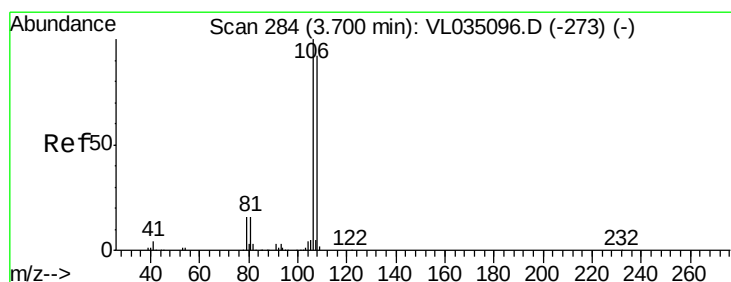
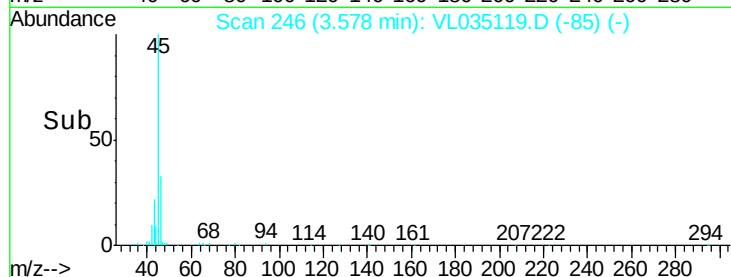
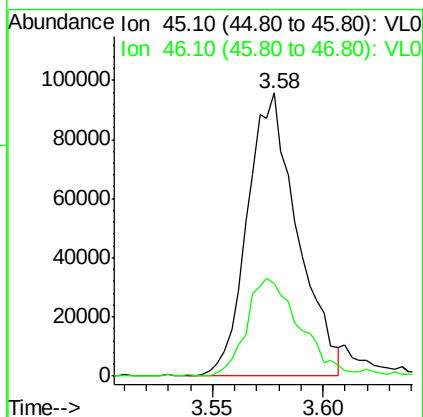
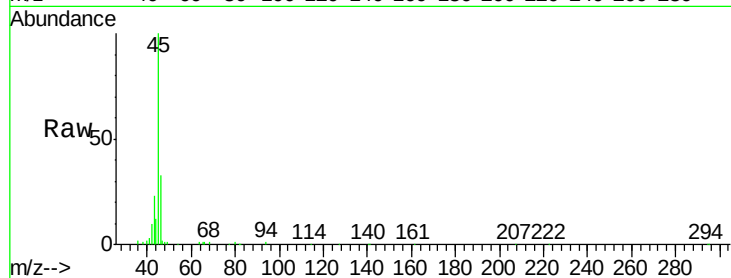
#13
Ethanol
Concen: 7.059 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.2	57.0

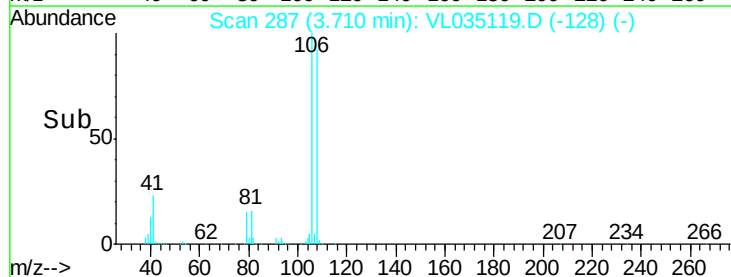
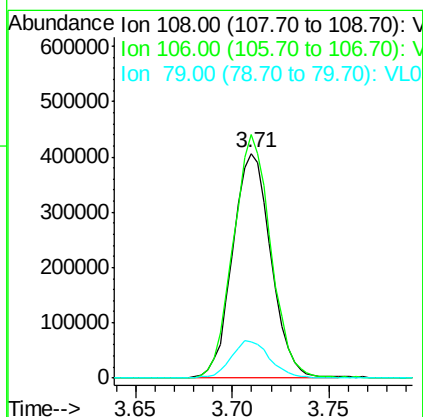
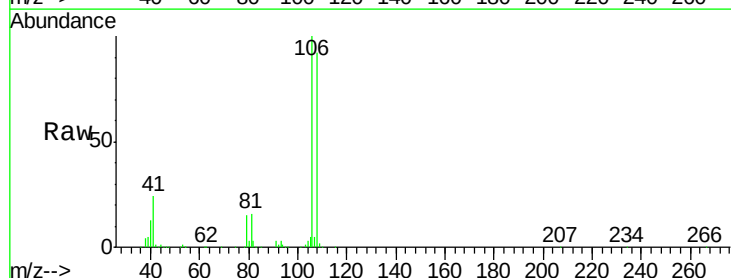
Manual Integrations
APPROVED

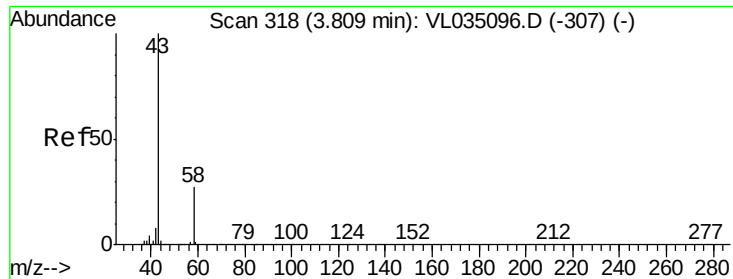
MMDadoda
6/23/2020 10:59:51 AM



#14
Bromoethene
Concen: 10.082 ppbv
RT: 3.71 min Scan# 287
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.8	84.4	126.6
79	17.1	14.2	21.2





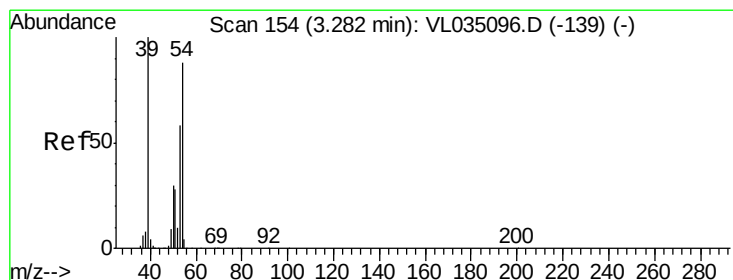
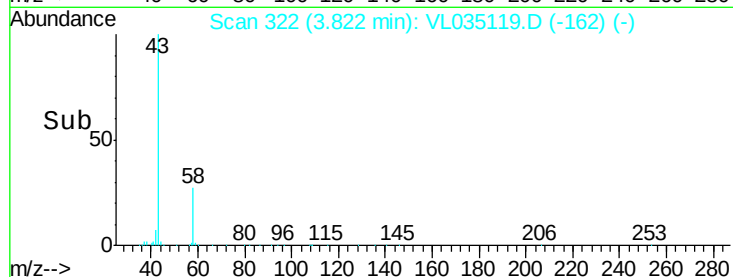
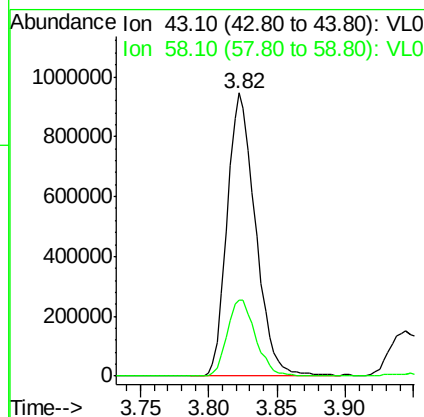
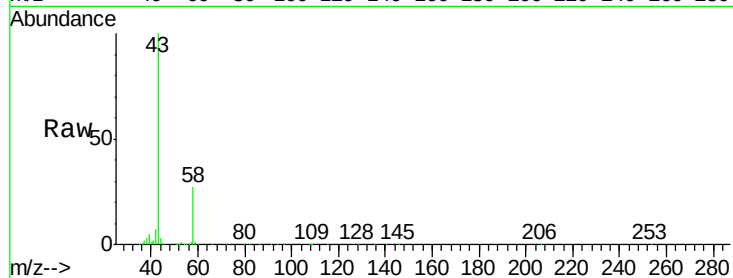
#15
Acetone
Concen: 8.753 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1368186
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.6

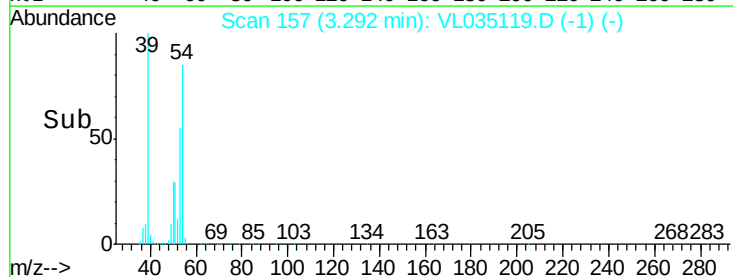
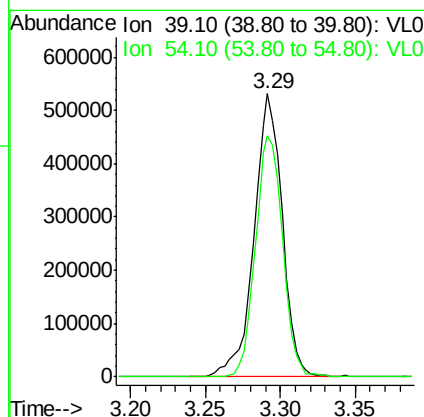
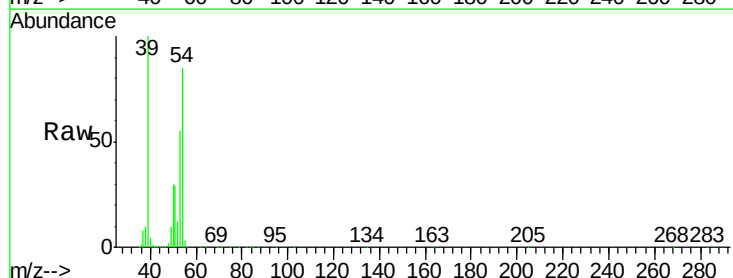
Manual Integrations
APPROVED

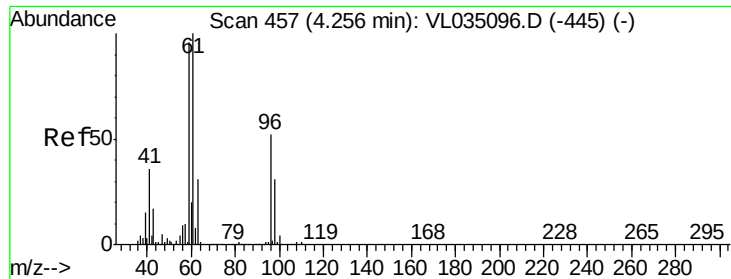
MMDadoda
6/23/2020 10:59:51 AM



#16
1,3-Butadiene
Concen: 10.113 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 39 Resp: 693304
Ion Ratio Lower Upper
39 100
54 82.9 67.0 100.4





#17

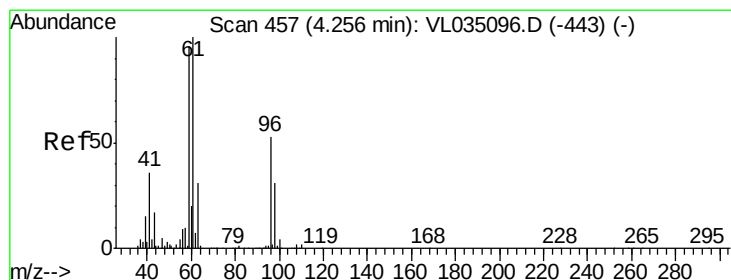
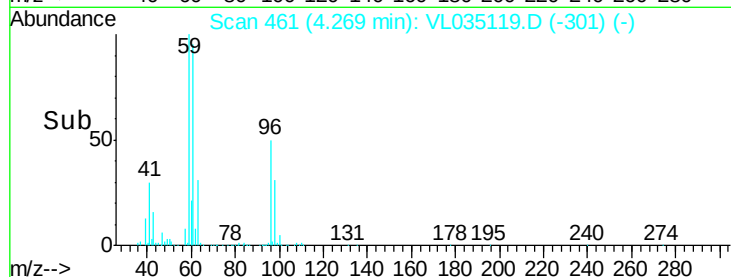
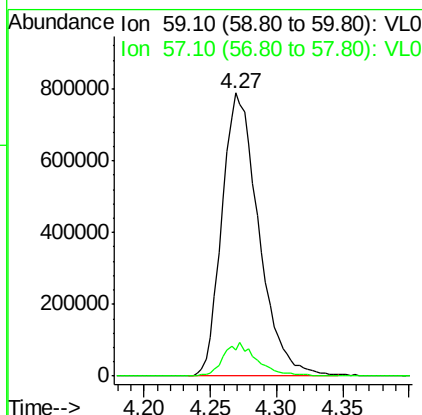
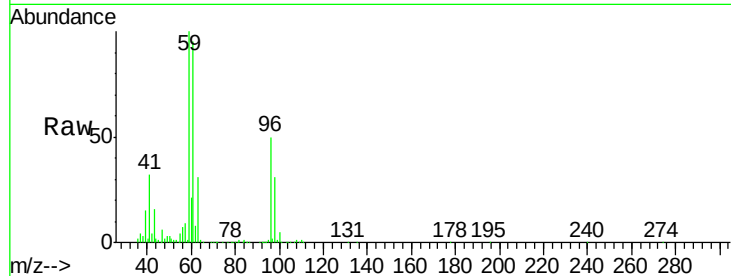
tert-Butyl alcohol
 Concen: 10.982 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1521414
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 12.8

Manual Integrations
 APPROVED

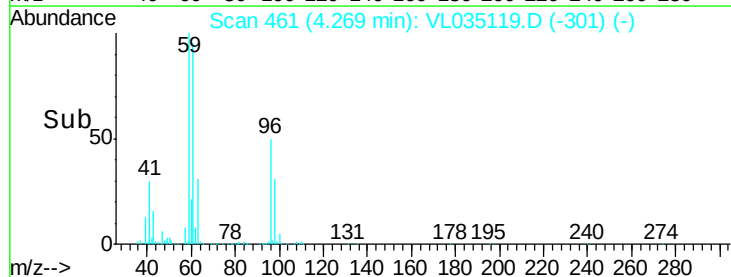
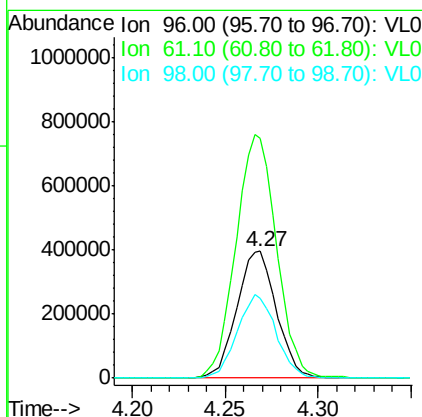
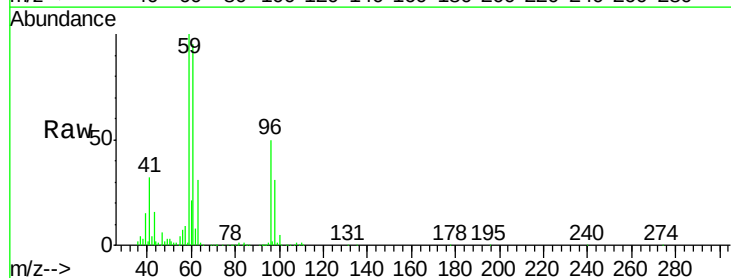
MMDadoda
 6/23/2020 10:59:51 AM

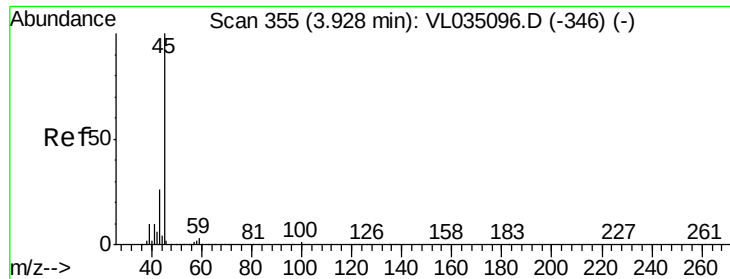


#18

1,1-Dichloroethene
 Concen: 10.113 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 96 Resp: 588257
 Ion Ratio Lower Upper
 96 100
 61 188.6 152.2 228.4
 98 62.7 47.7 71.5





#19

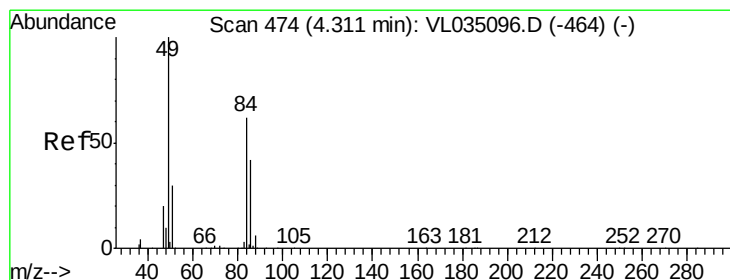
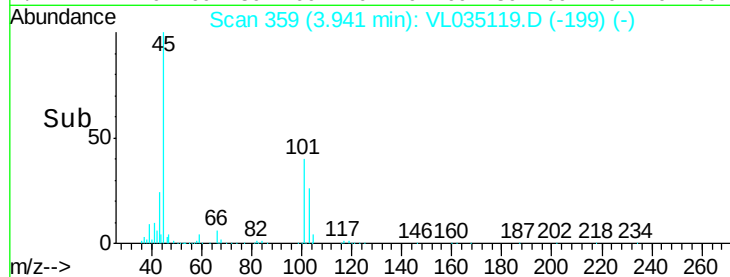
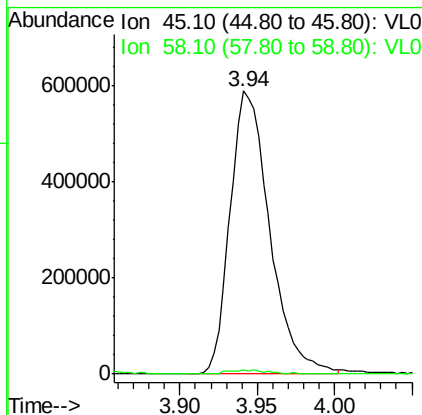
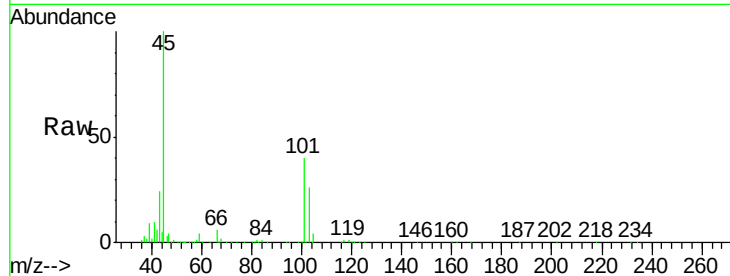
Isopropyl Alcohol
 Concen: 10.290 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 1044395
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.8 2.8#

Manual Integrations
 APPROVED

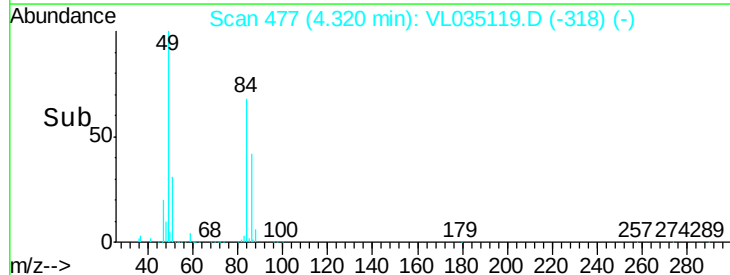
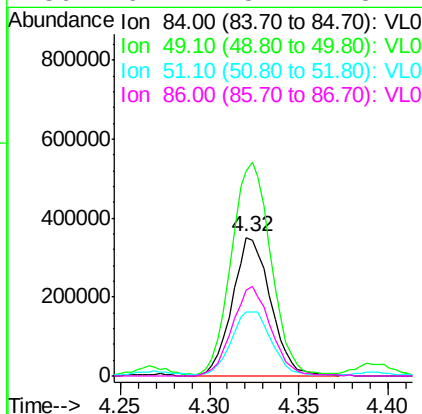
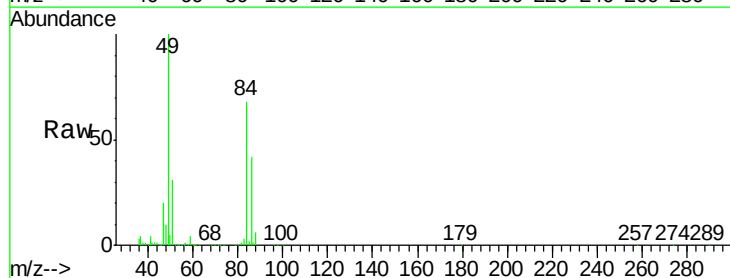
MMDadoda
 6/23/2020 10:59:51 AM

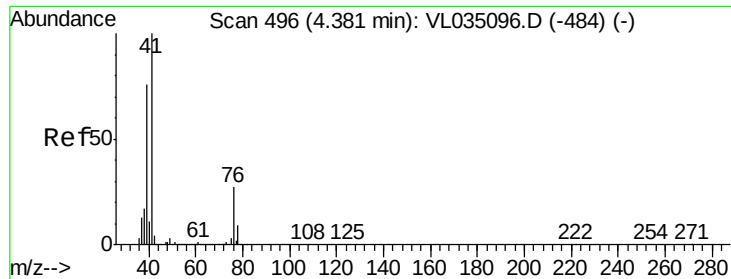


#20

Methylene Chloride
 Concen: 8.215 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 84 Resp: 519694
 Ion Ratio Lower Upper
 84 100
 49 146.7 128.8 193.2
 51 45.8 38.7 58.1
 86 61.7 54.1 81.1





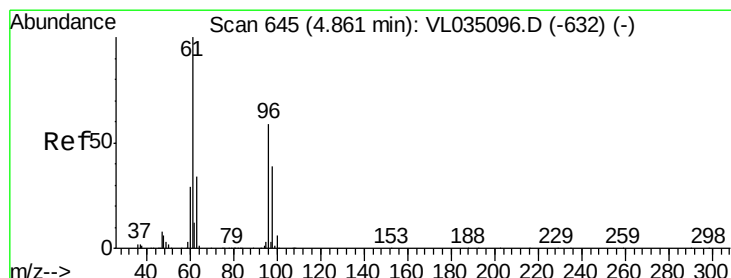
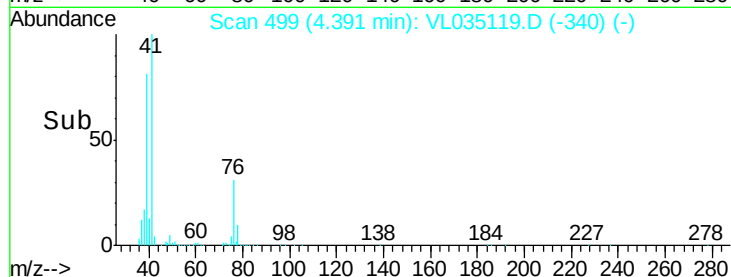
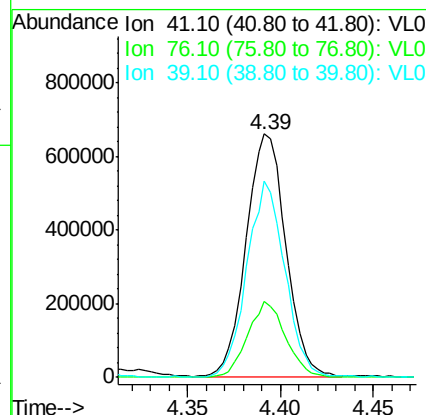
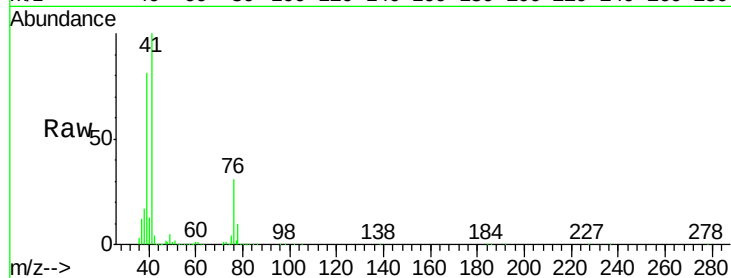
#21
Allvl Chloride
Concen: 10.574 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	22.6	34.0
39	77.9	61.6	92.4

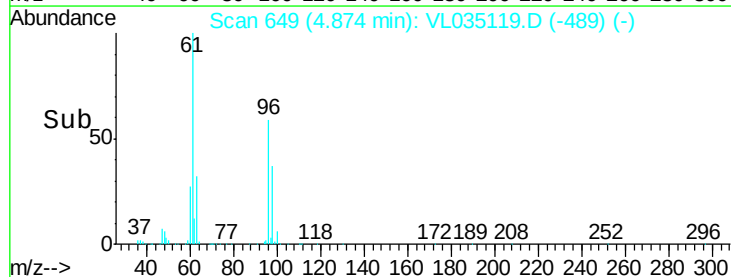
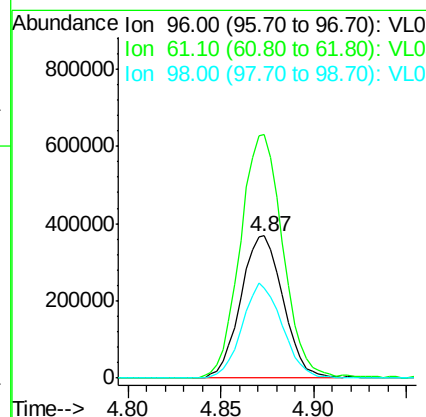
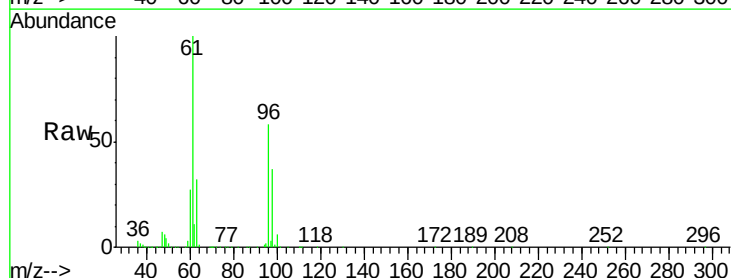
Manual Integrations
APPROVED

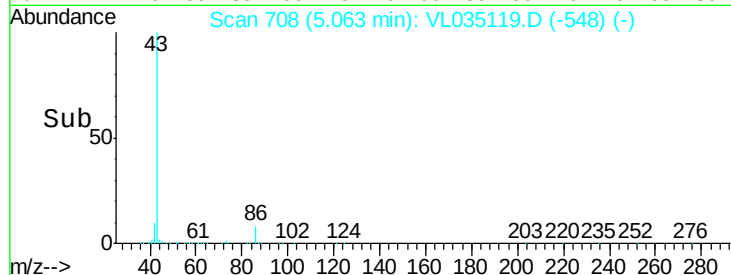
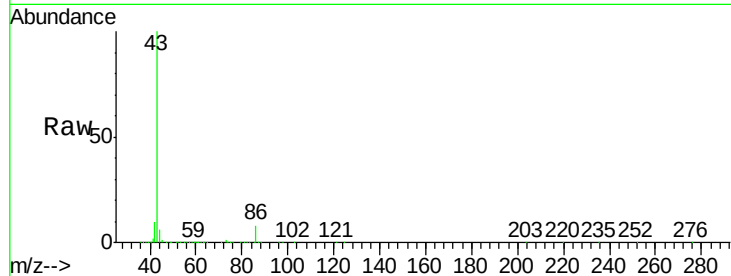
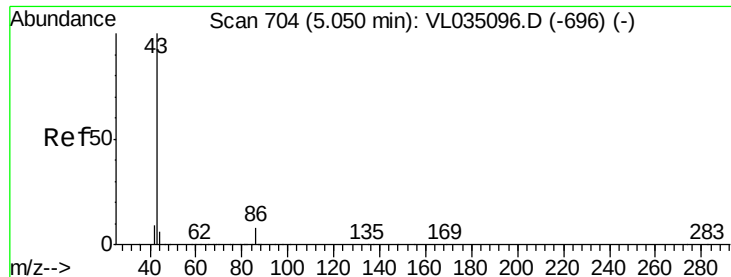
MMDadoda
6/23/2020 10:59:51 AM



#22
trans-1,2-Dichloroethene
Concen: 10.736 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

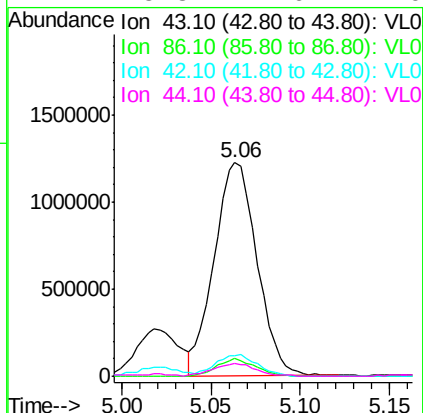
Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	134.5	201.7
98	63.1	52.6	79.0





#23
 Vinyl Acetate
 Concen: 10.734 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

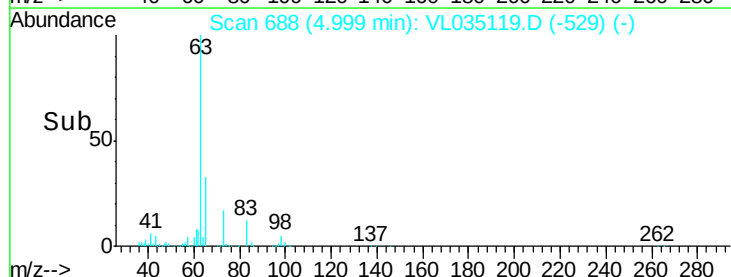
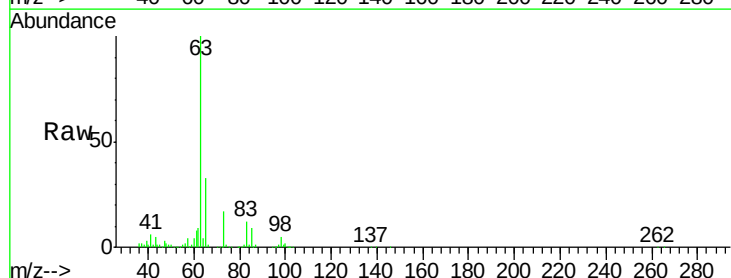
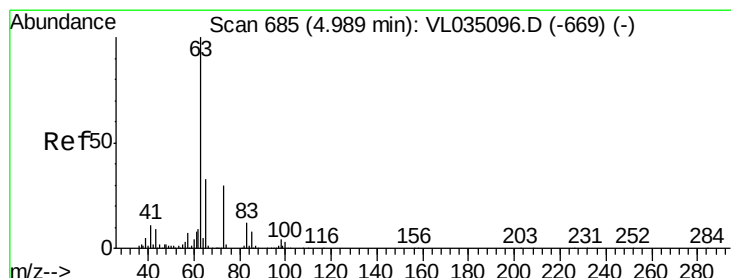
Tot Ion	43	Resp	2036758
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	9.6	8.1	12.1
44	5.8	4.6	7.0



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

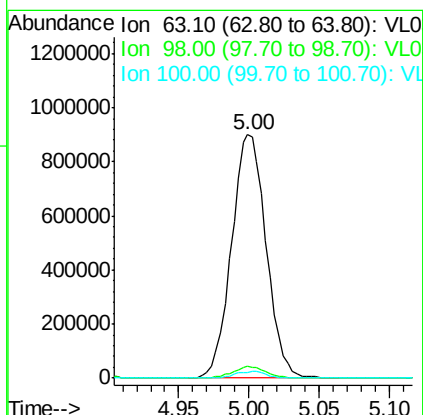
Manual Integrations
 APPROVED

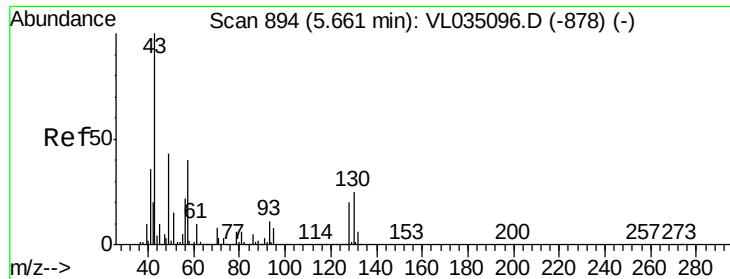
MMDadoda
 6/23/2020 10:59:51 AM



#24
 1,1-Dichloroethane
 Concen: 9.624 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion	63	Resp	1539466
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.3	6.9
100	2.4	1.4	4.0





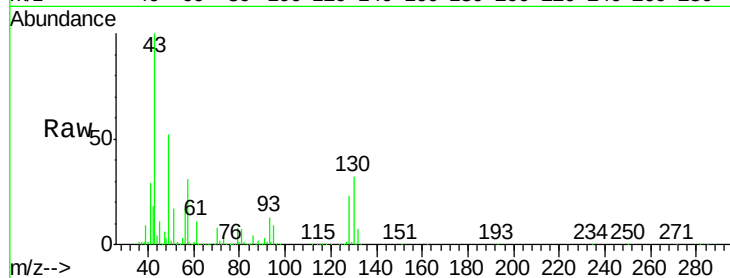
#25
Ethyl Acetate
Concen: 9.408 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

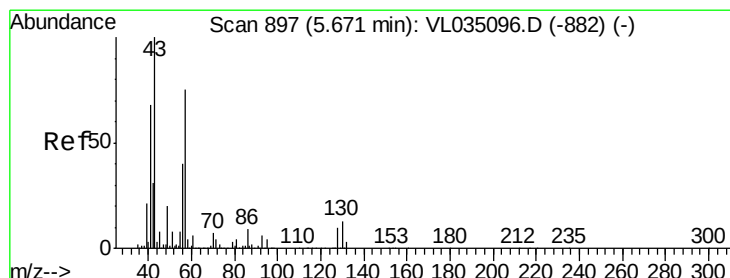
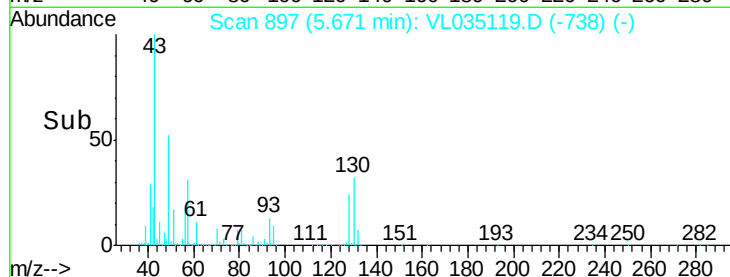
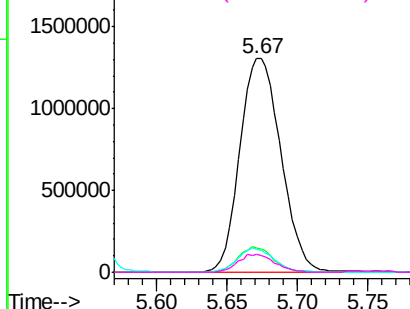
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.0	8.0	12.0
70	7.5	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM



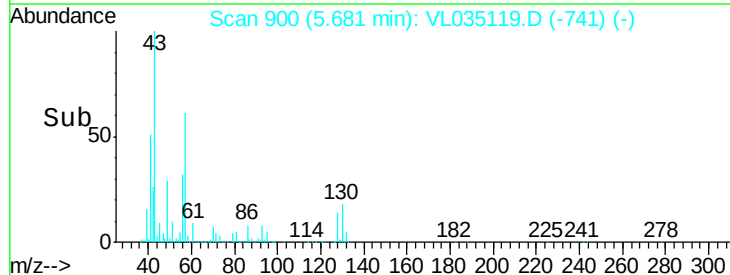
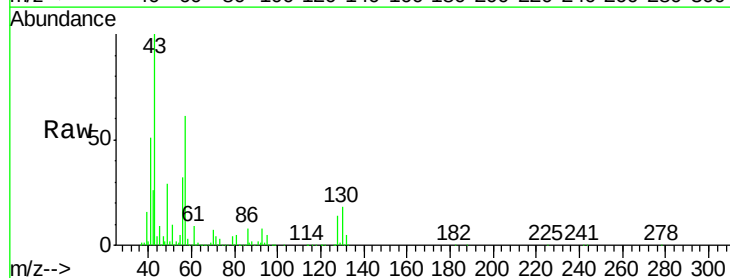
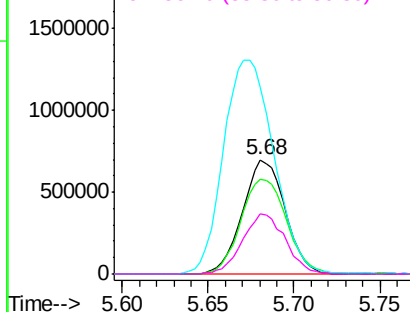
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

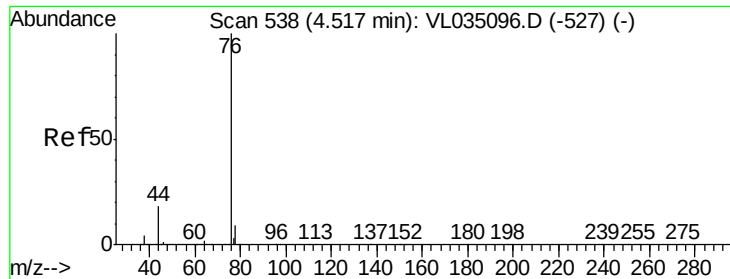


#26
Hexane
Concen: 9.404 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.9	72.9	109.3
43	223.0	181.3	271.9
56	52.7	43.1	64.7

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: 11.893 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1565400

Ion Ratio Lower Upper

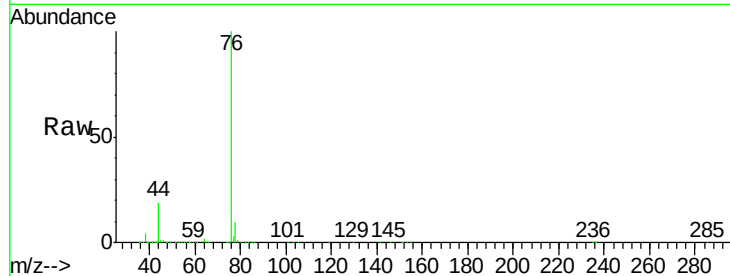
76 100

44 18.6 15.8 23.8

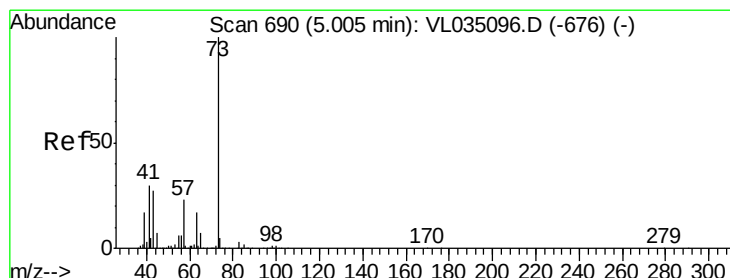
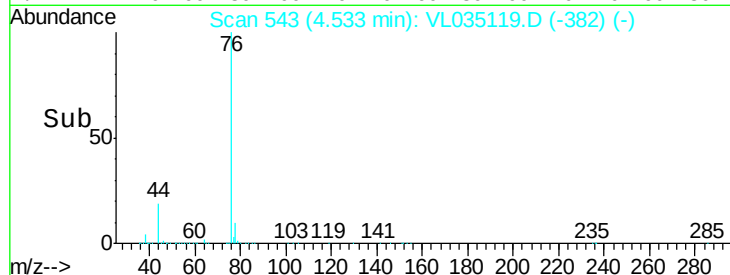
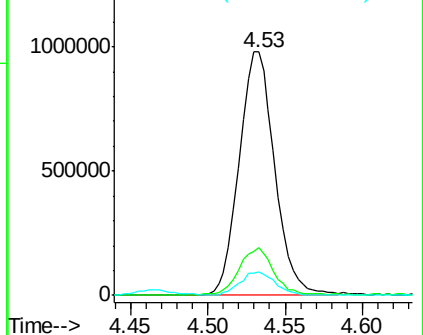
78 9.4 7.6 11.4

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM



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



#28

Methyl tert-Butyl Ether

Concen: 10.406 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL035119.D

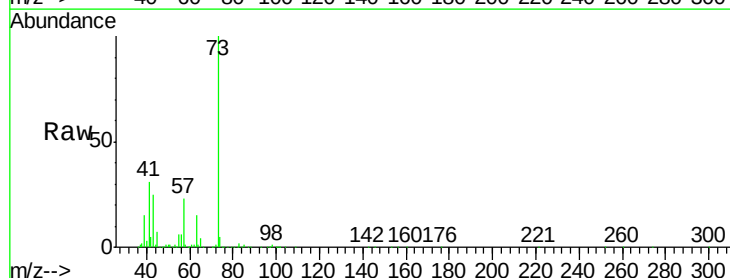
Acq: 22 Jun 2020 20:33

Tgt Ion: 73 Resp: 1859599

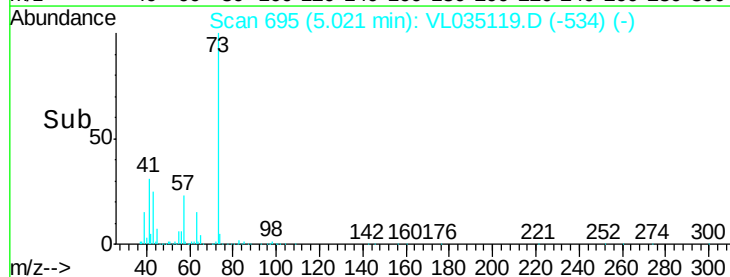
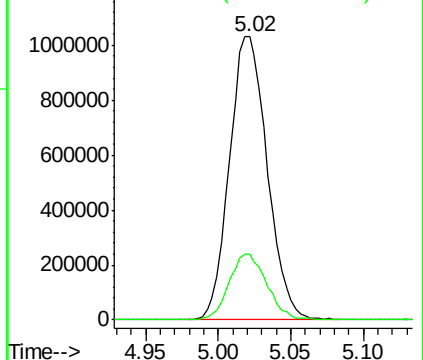
Ion Ratio Lower Upper

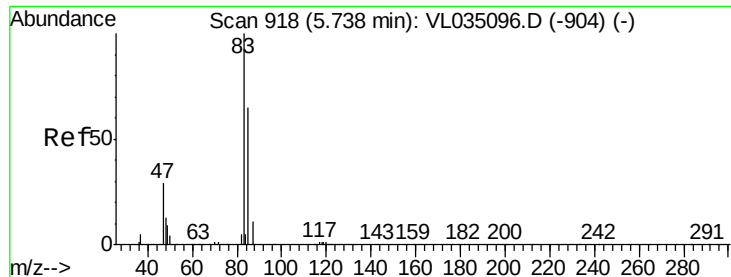
73 100

57 23.3 18.5 27.7



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





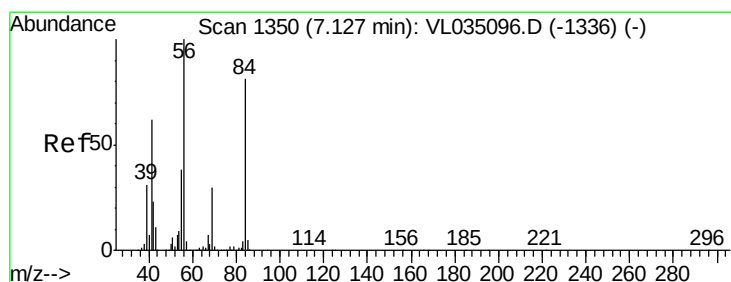
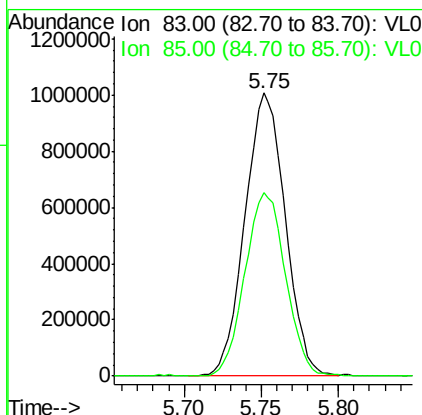
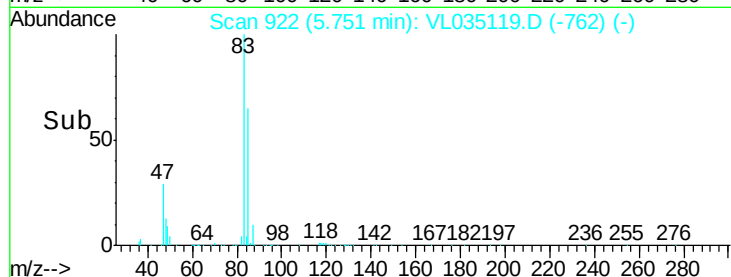
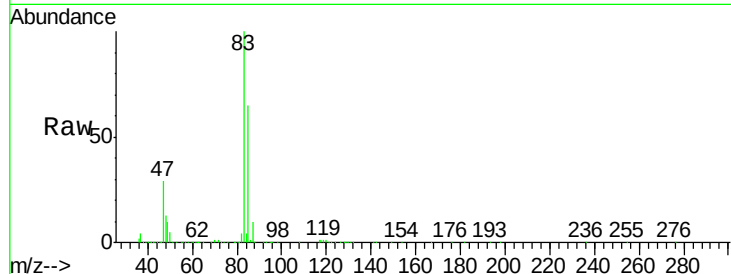
#29
Chloroform
Concen: 9.188 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1828845
Ion Ratio Lower Upper
83 100
85 64.5 52.1 78.1

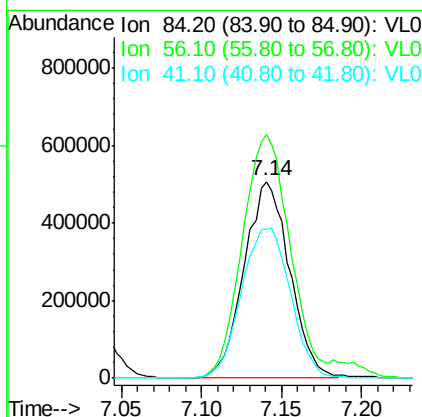
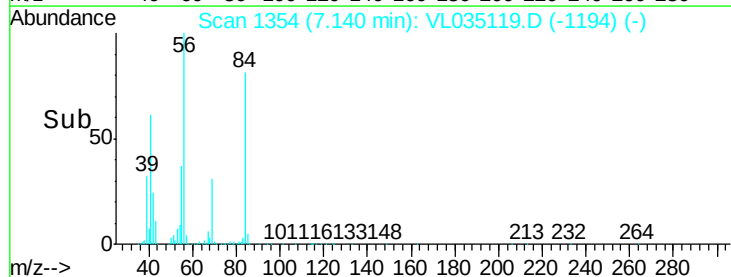
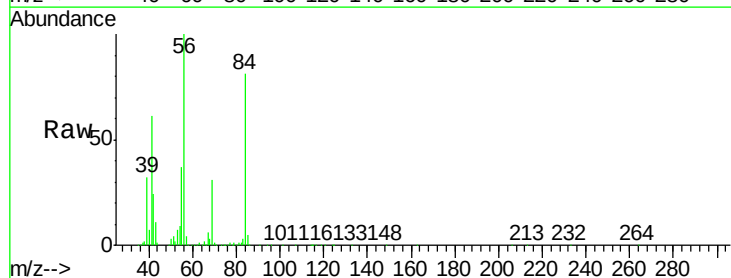
Manual Integrations
APPROVED

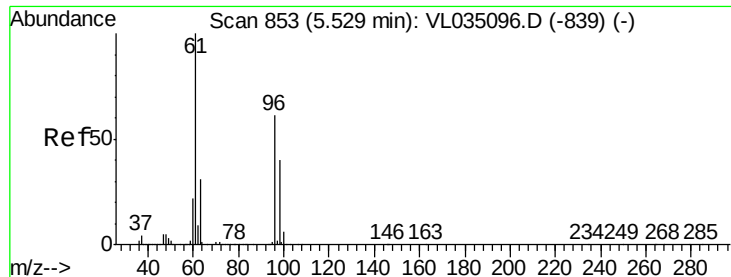
MMDadoda
6/23/2020 10:59:51 AM



#30
Cyclohexane
Concen: 10.808 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 84 Resp: 986621
Ion Ratio Lower Upper
84 100
56 135.9 108.0 162.0
41 82.4 65.6 98.4





#31

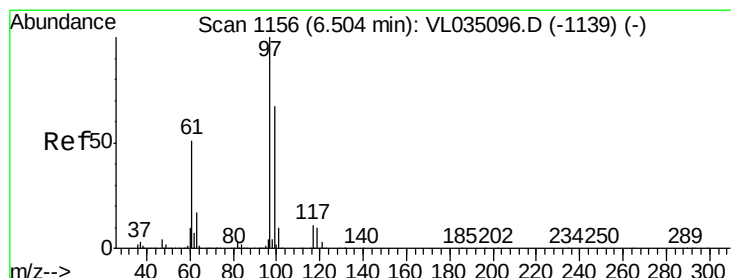
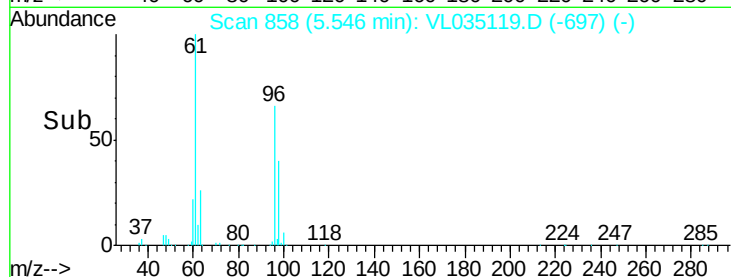
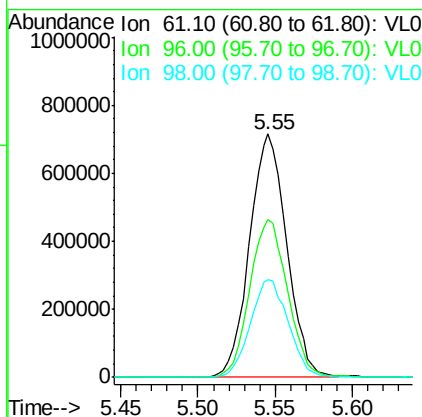
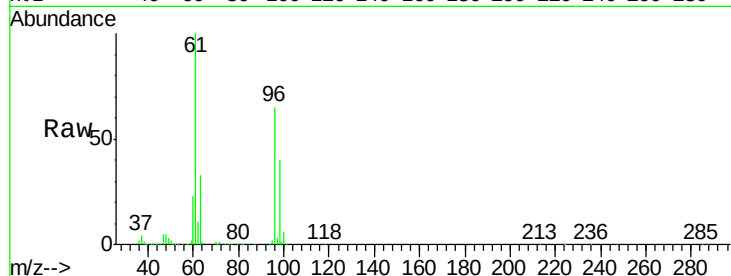
cis-1,2-Dichloroethene
Concen: 10.230 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.0	48.8	73.2
98	40.0	31.9	47.9

Manual Integrations
APPROVED

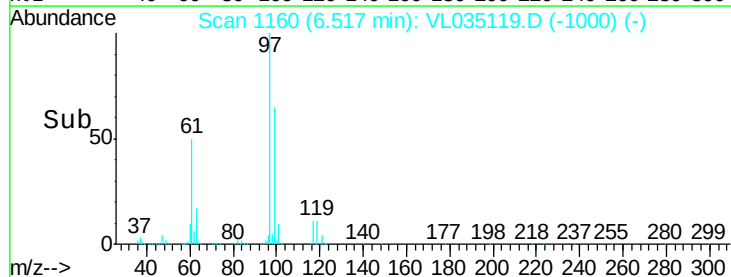
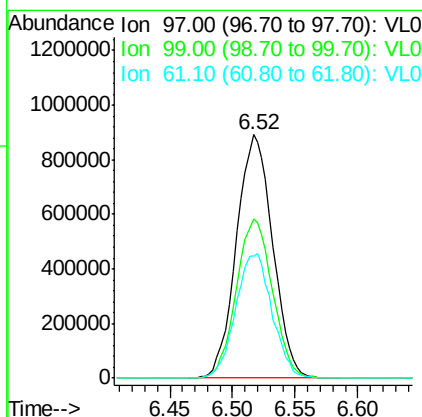
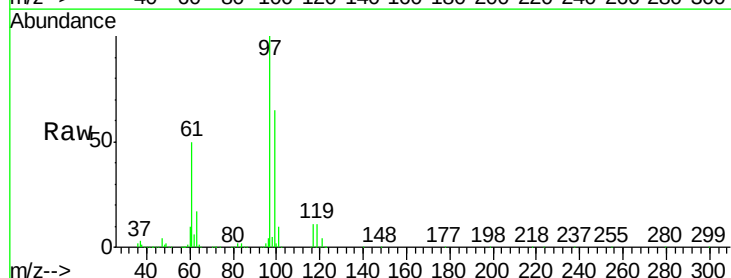
MMDadoda
6/23/2020 10:59:51 AM

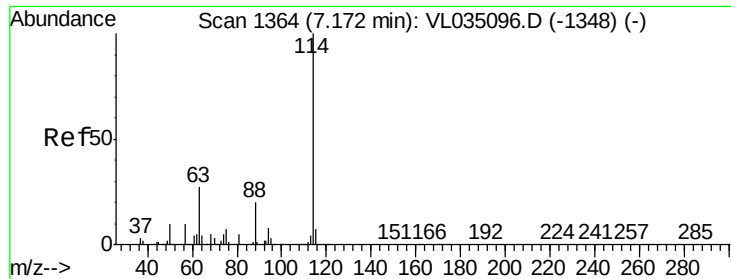


#32

1,1,1-Trichloroethane
Concen: 9.701 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	51.6	41.0	61.6





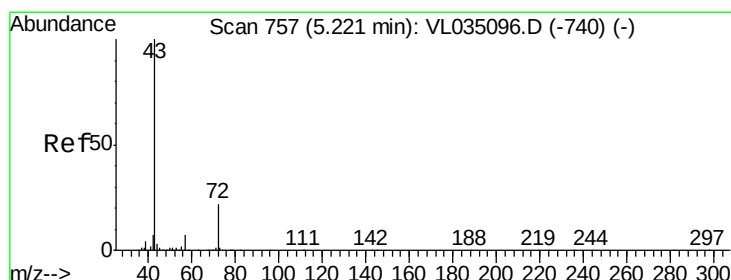
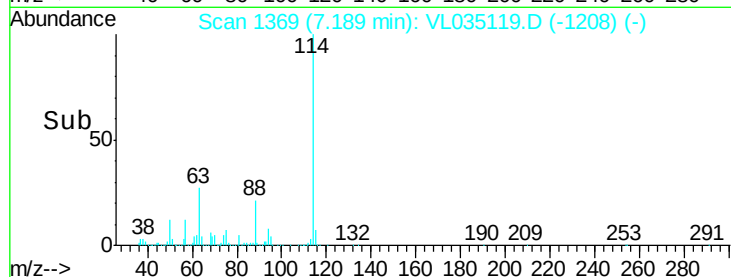
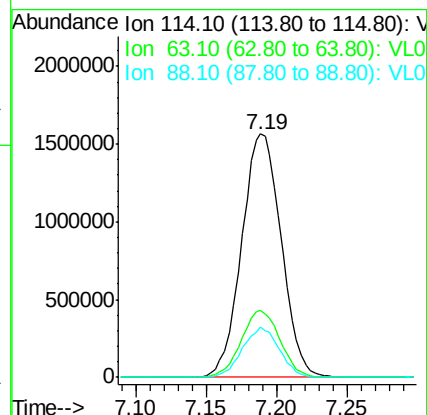
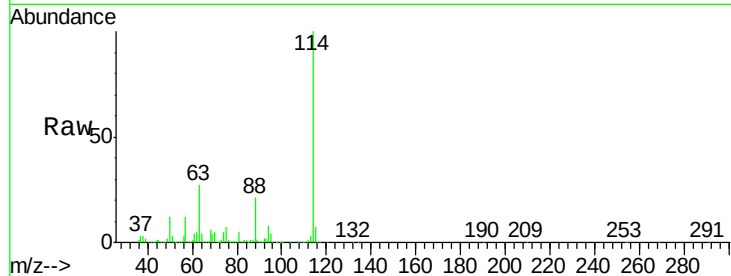
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.9	32.9
88	19.4	15.6	23.4

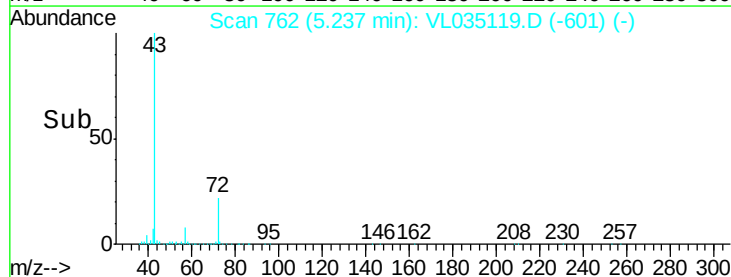
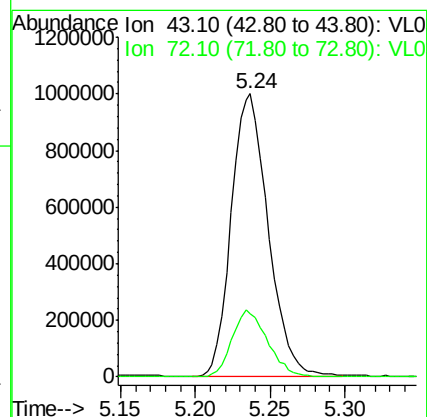
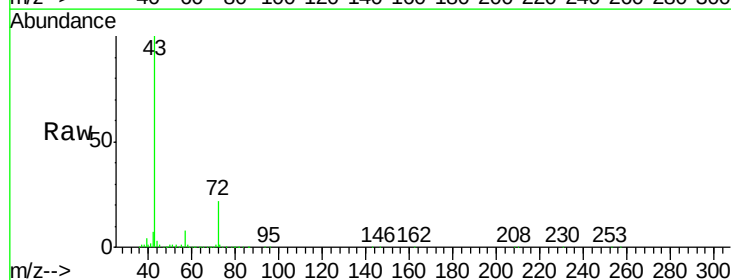
Manual Integrations
 APPROVED

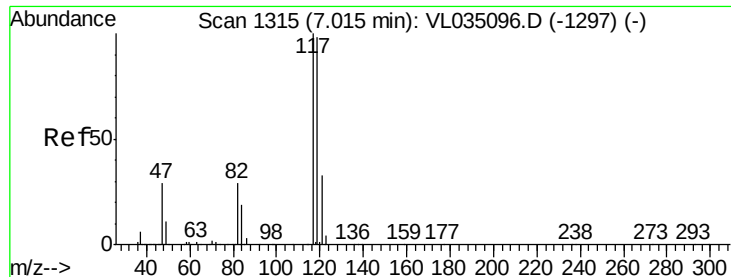
MMDadoda
 6/23/2020 10:59:51 AM



#34
 2-Butanone
 Concen: 9.715 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.3	27.5





#35

Carbon Tetrachloride

Concen: 10.014 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 1840760

Ion Ratio Lower Upper

117 100

119 97.5 78.3 117.5

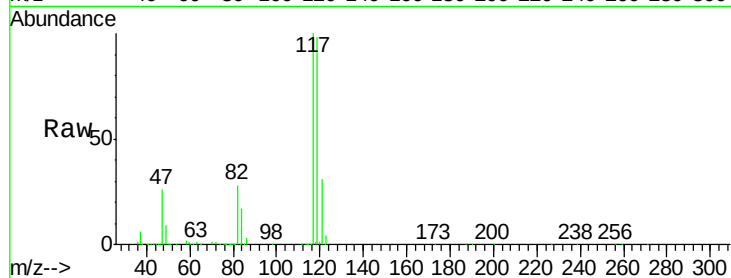
121 31.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

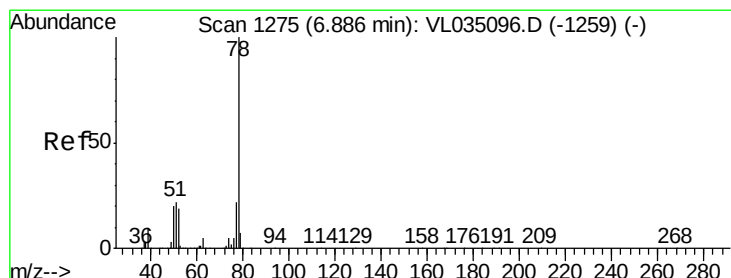
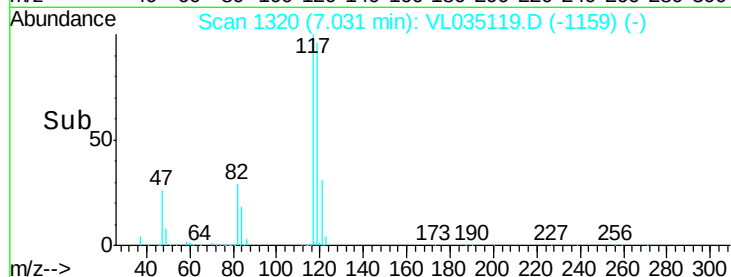
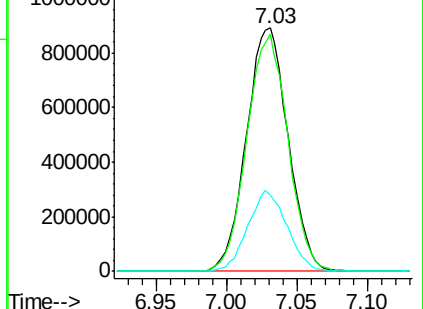
6/23/2020 10:59:51 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.965 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

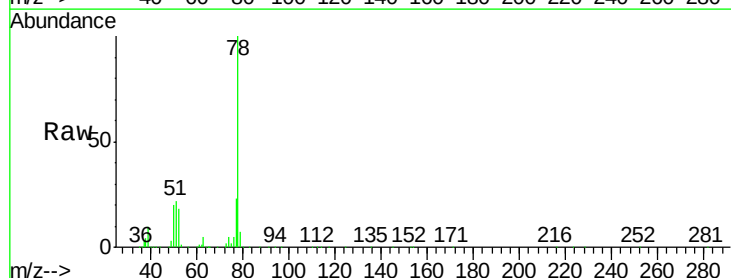
Tgt Ion: 78 Resp: 2365133

Ion Ratio Lower Upper

78 100

77 22.7 17.8 26.6

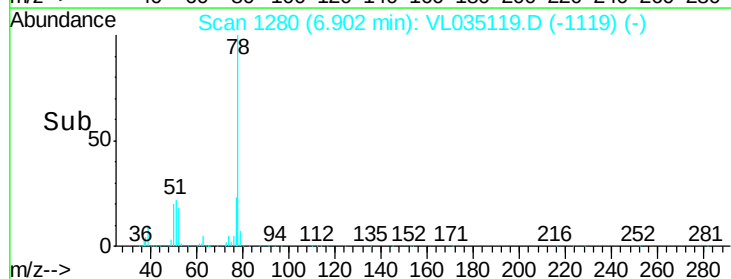
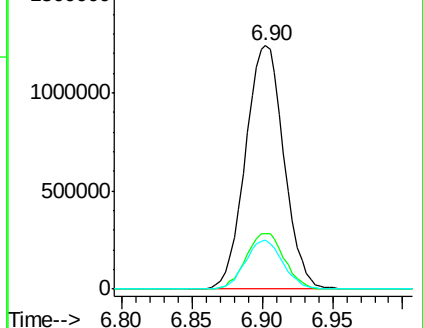
50 20.3 16.2 24.2

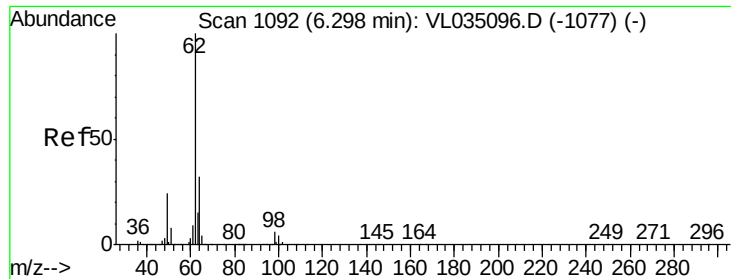


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





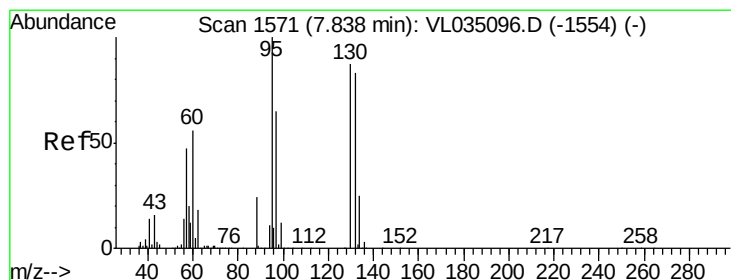
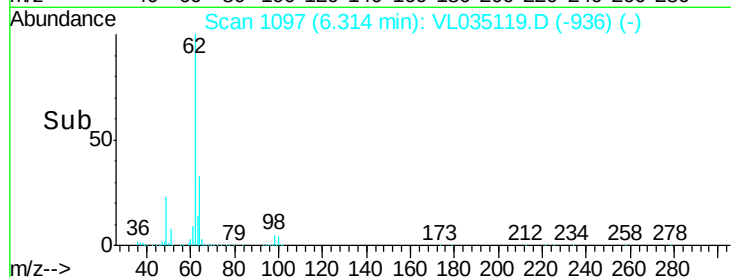
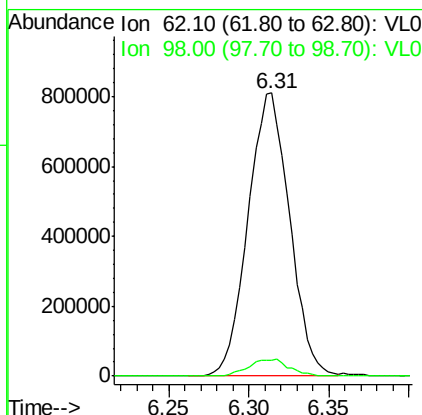
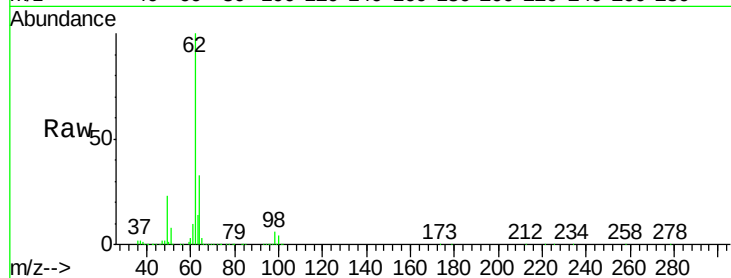
#37
 1,2-Dichloroethane
 Concen: 9.618 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1442631
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2

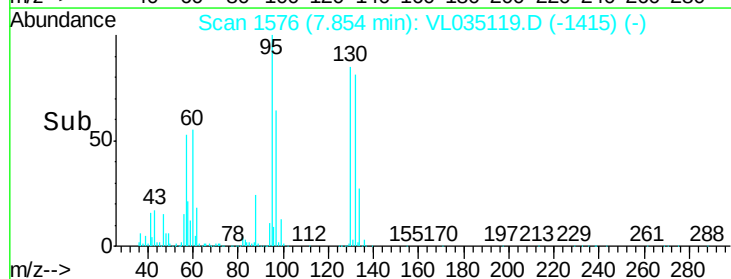
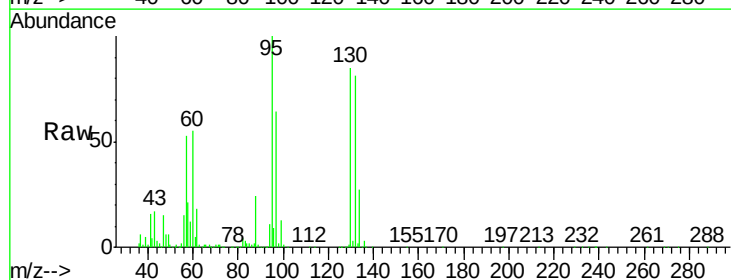
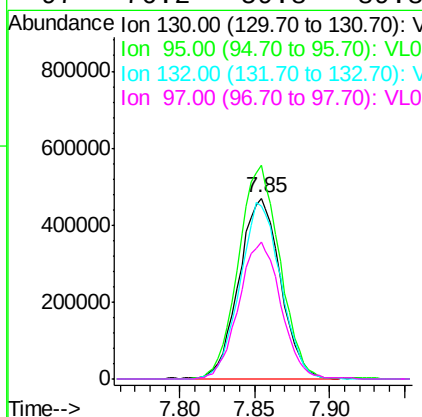
Manual Integrations
 APPROVED

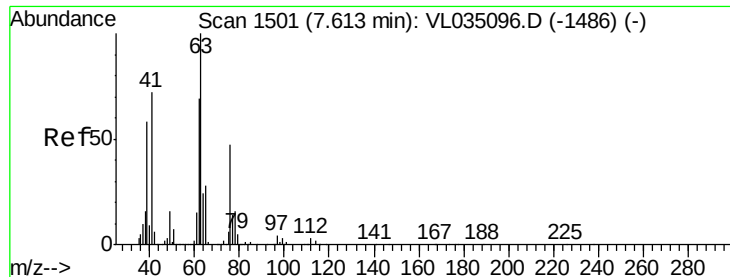
MMDadoda
 6/23/2020 10:59:51 AM



#38
 Trichloroethene
 Concen: 9.794 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 130 Resp: 902842
 Ion Ratio Lower Upper
 130 100
 95 118.3 91.4 137.2
 132 95.7 75.8 113.6
 97 76.2 59.8 89.8





#39

1,2-Dichloropropane

Concen: 9.881 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

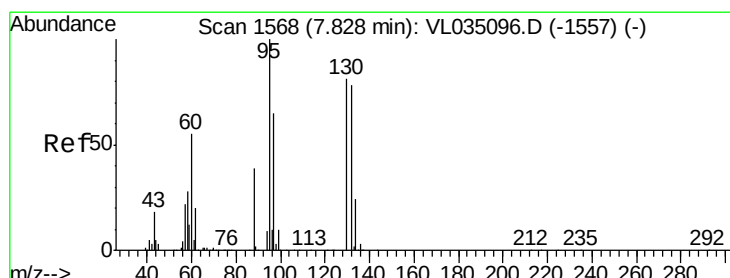
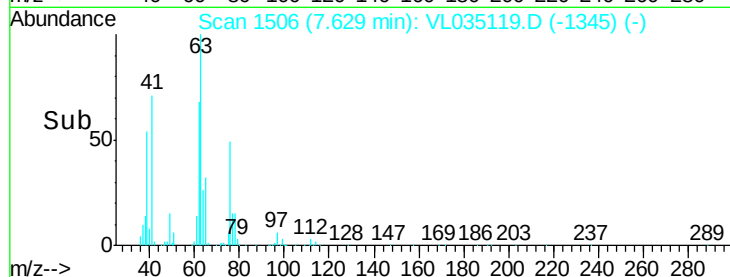
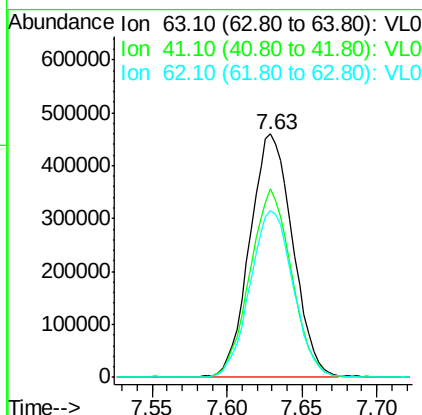
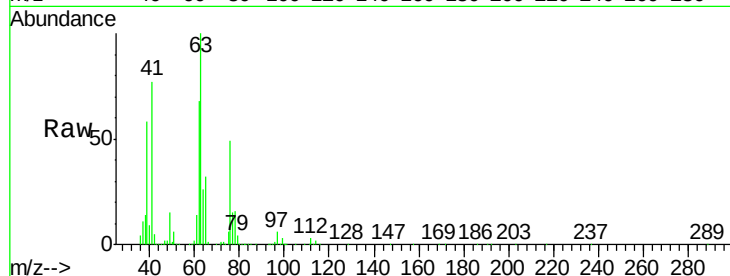
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	917163
Ion Ratio	Lower	Upper	
63	100		
41	77.2	58.0	87.0
62	68.3	55.4	83.0

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM



#40

1,4-Dioxane

Concen: 9.796 ppbv

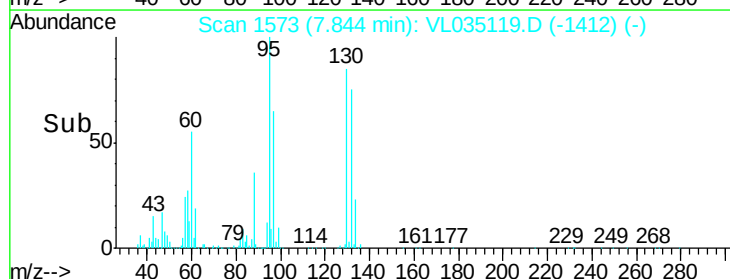
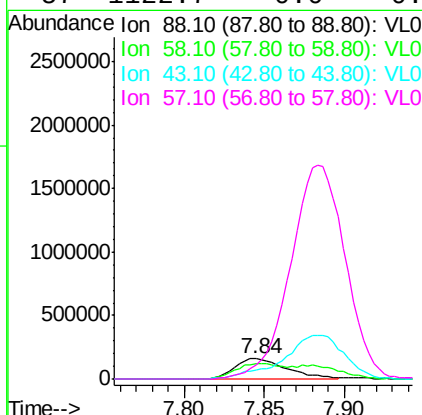
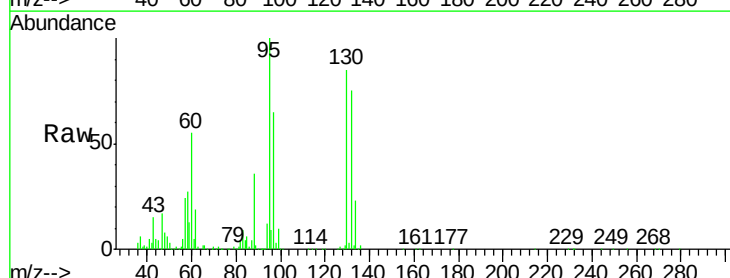
RT: 7.84 min Scan# 1573

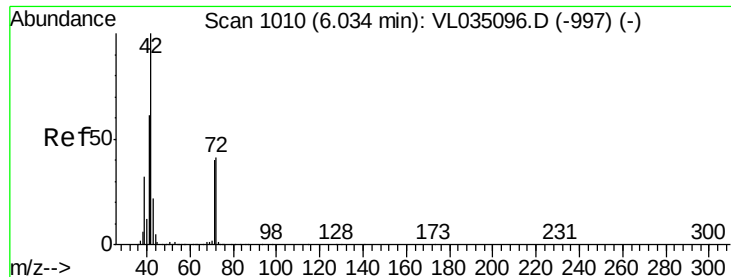
Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion:	88	Resp:	358676
Ion Ratio	Lower	Upper	
88	100		
58	131.6	110.2	165.4
43	255.8	0.0	0.0#
57	1122.7	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.686 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

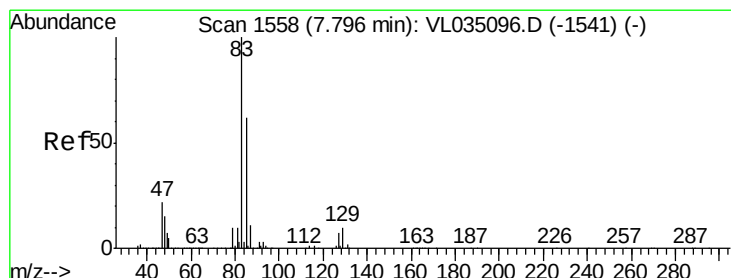
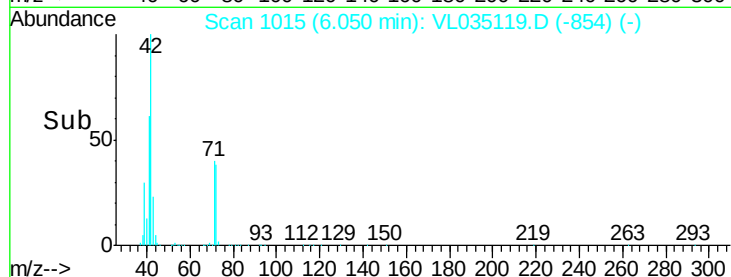
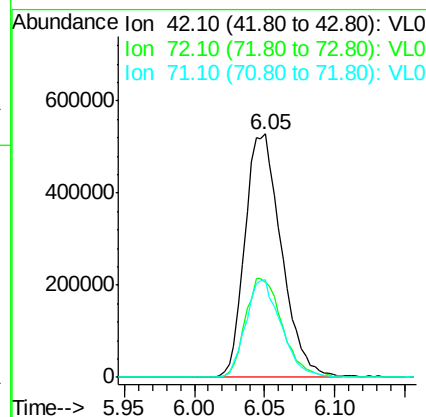
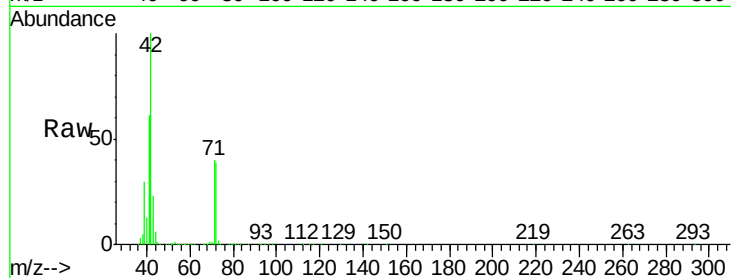
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	960691
Ion Ratio	Lower	Upper	
42	100		
72	41.3	33.4	50.2
71	38.9	31.8	47.6

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM



#42

Bromodichloromethane

Concen: 10.113 ppbv

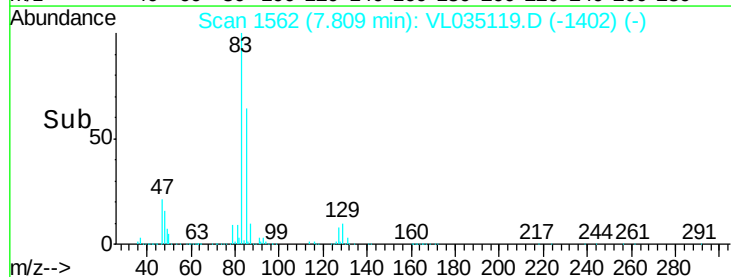
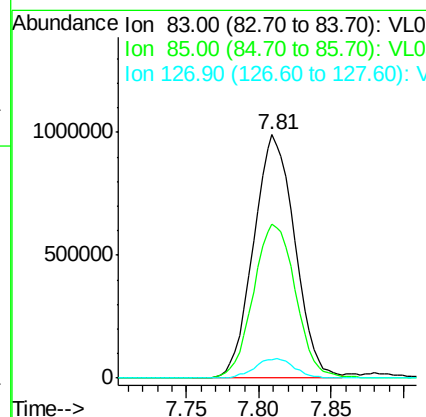
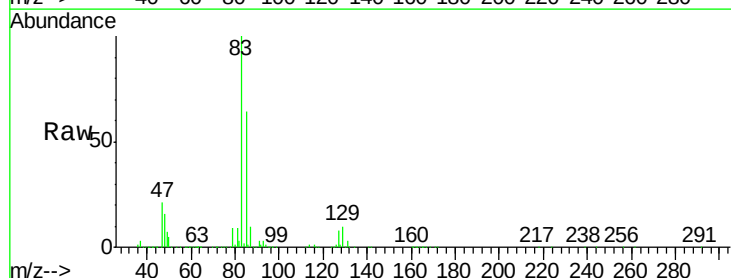
RT: 7.81 min Scan# 1562

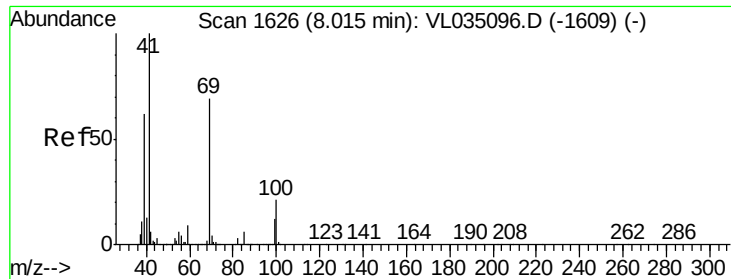
Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion:	83	Resp:	1964652
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.4	74.0
127	7.6	5.9	8.9





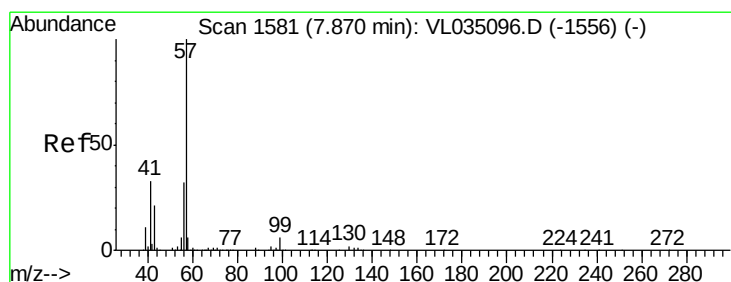
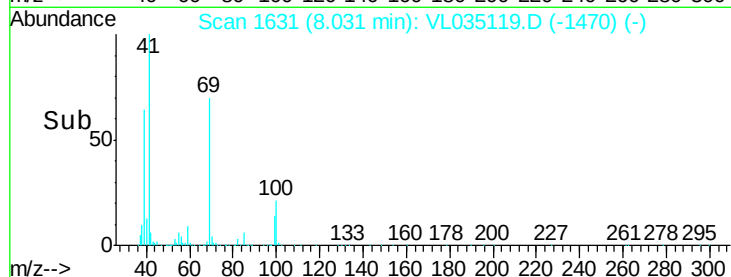
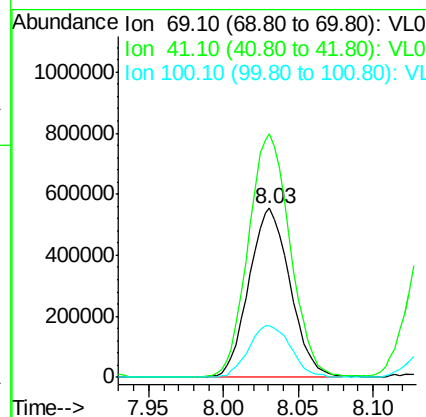
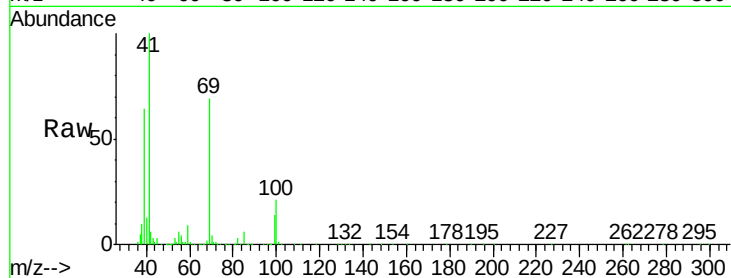
#43
Methyl Methacrylate
Concen: 10.577 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.1	116.4	174.6	
100	31.5	25.3	37.9	

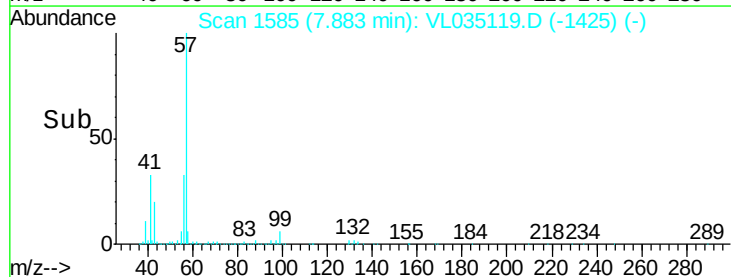
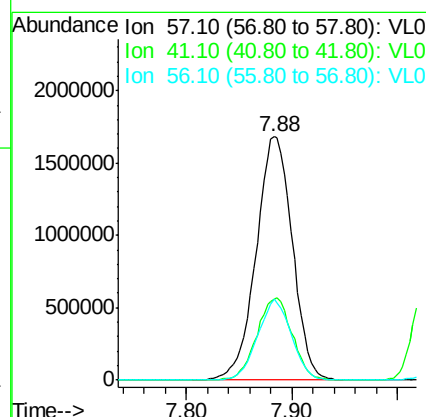
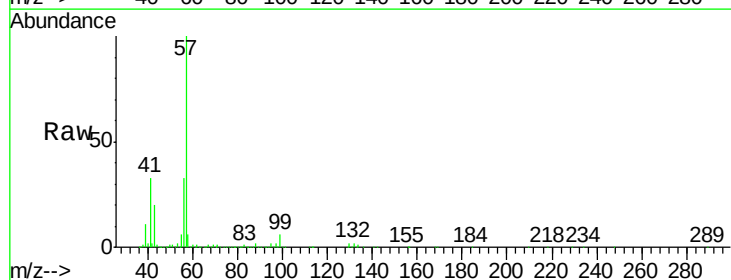
Manual Integrations
APPROVED

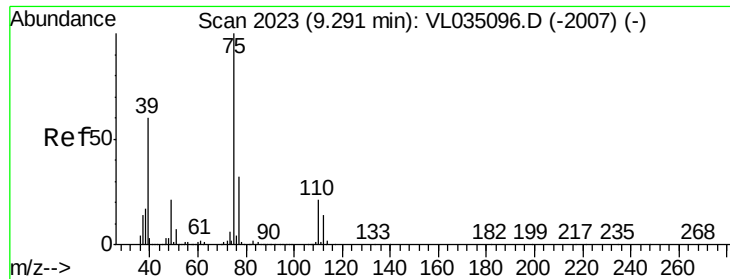
MMDadoda
6/23/2020 10:59:51 AM



#44
2,2,4-Trimethylpentane
Concen: 9.708 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.0	26.2	39.2	
56	31.1	25.4	38.2	





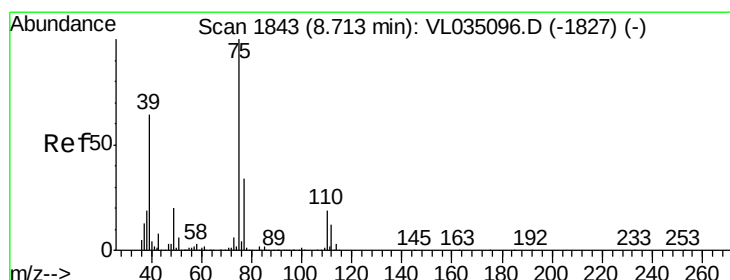
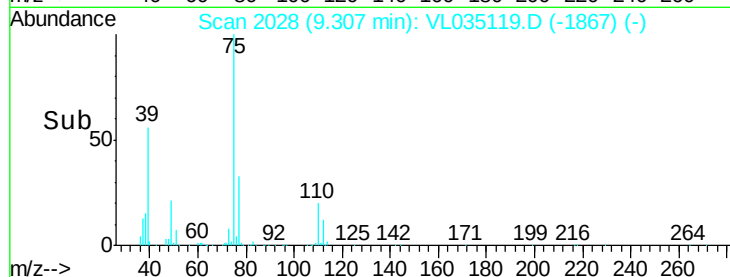
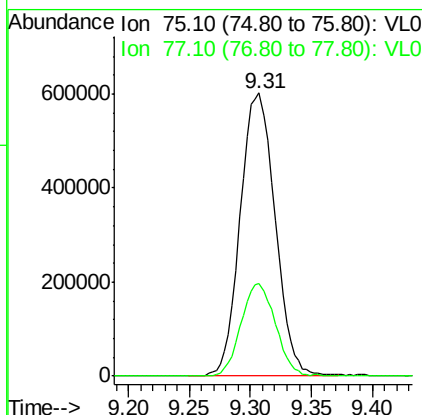
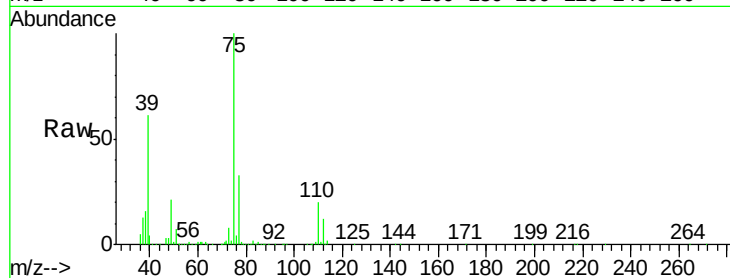
#45
t-1,3-Dichloropropene
Concen: 12.185 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1191284
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3

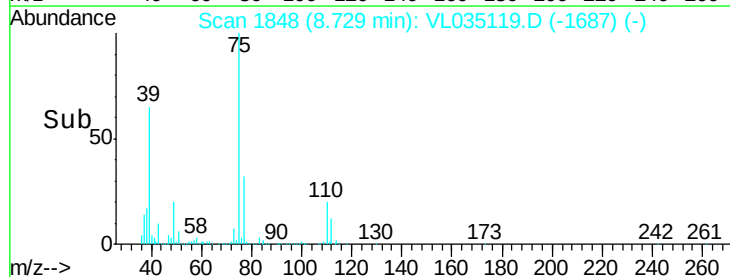
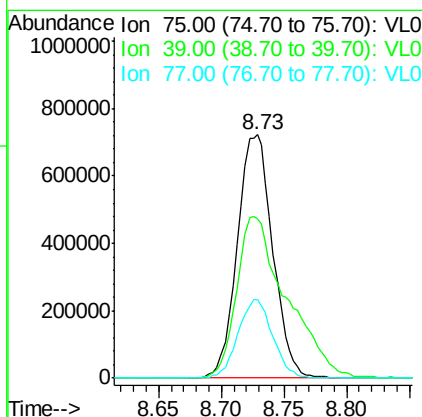
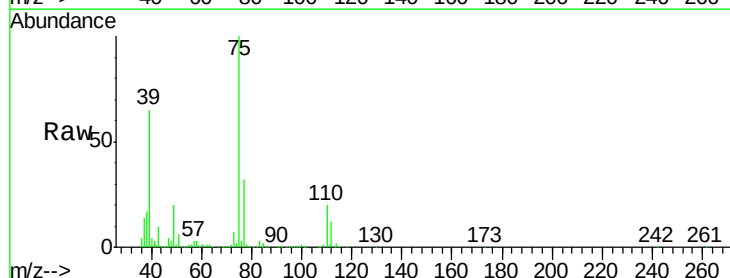
Manual Integrations
APPROVED

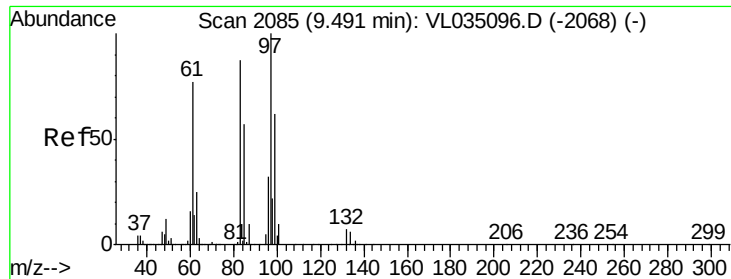
MMDadoda
6/23/2020 10:59:51 AM



#46
cis-1,3-Dichloropropene
Concen: 11.658 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 75 Resp: 1415940
Ion Ratio Lower Upper
75 100
39 65.3 51.1 76.7
77 32.1 26.9 40.3





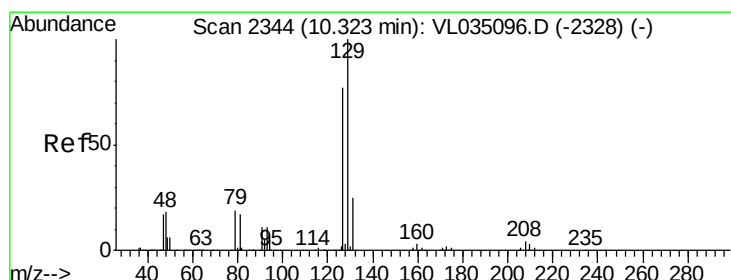
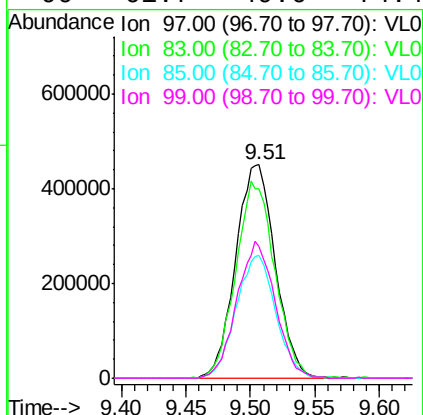
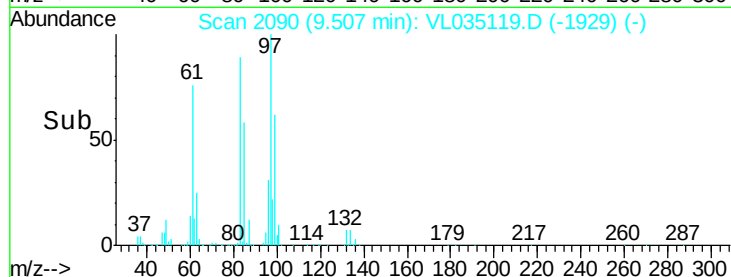
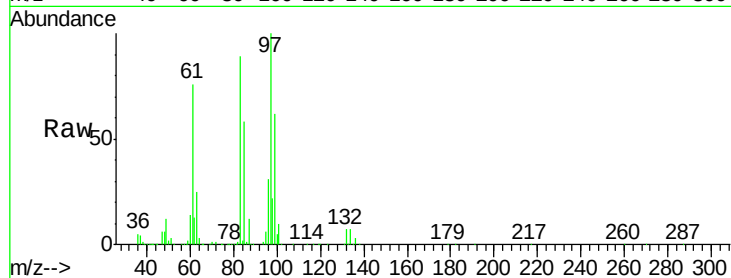
#47
 1,1,2-Trichloroethane
 Concen: 9.525 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		964998		
83	88.4	69.5	104.3		
85	57.7	46.0	69.0		
99	61.7	49.6	74.4		

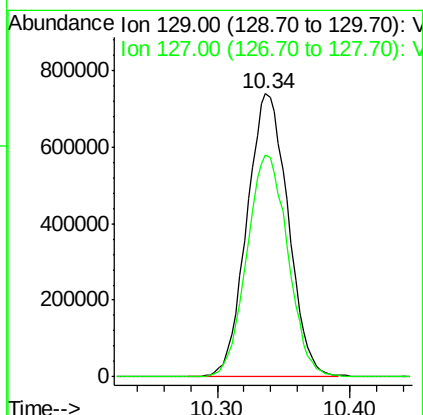
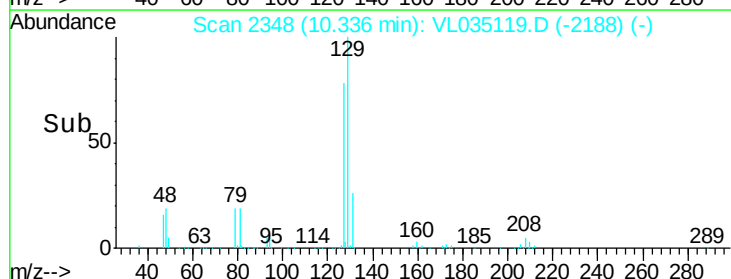
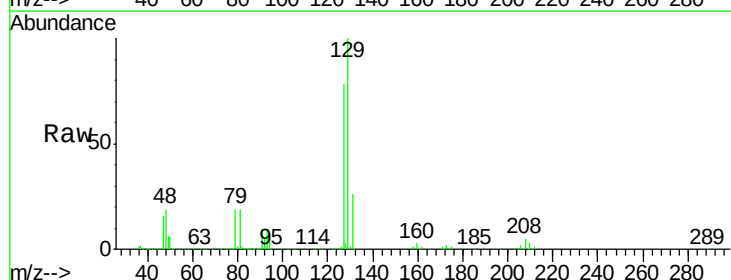
Manual Integrations
 APPROVED

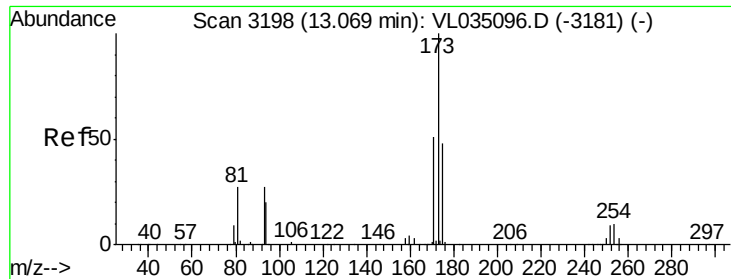
MMDadoda
 6/23/2020 10:59:51 AM



#48
 Dibromochloromethane
 Concen: 10.531 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1590451		
127	78.2	39.3	117.8		





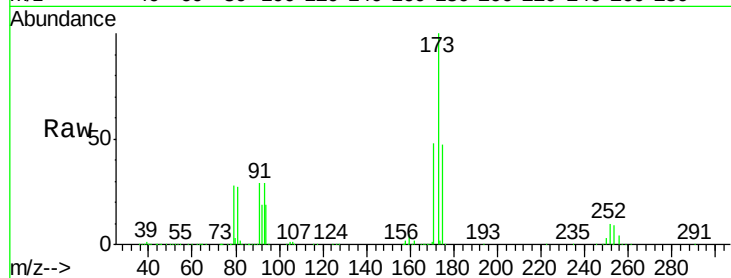
#49
Bromoform
Concen: 10.299 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

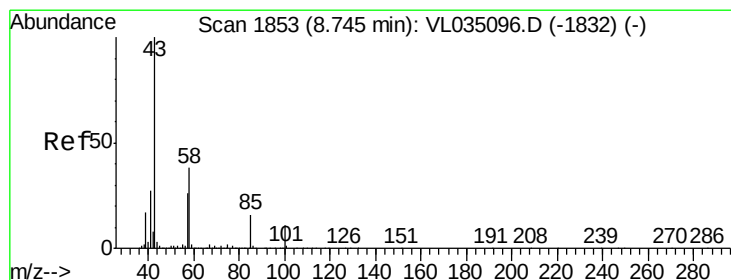
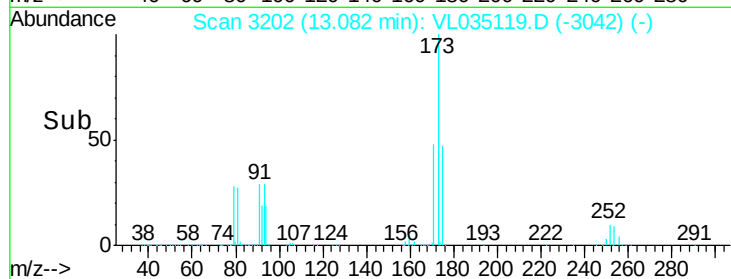
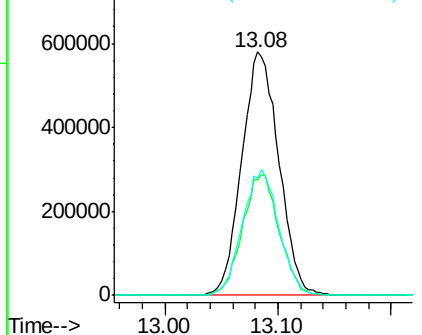
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.1	58.7
171	51.0	41.7	62.5

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM

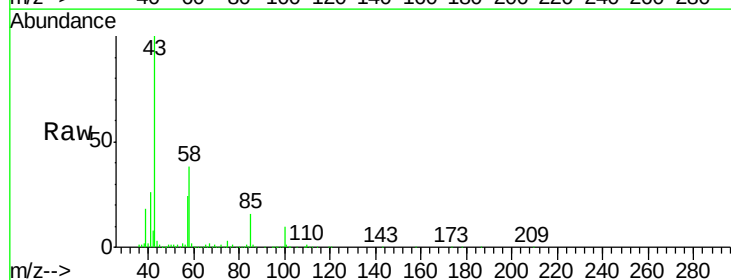


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

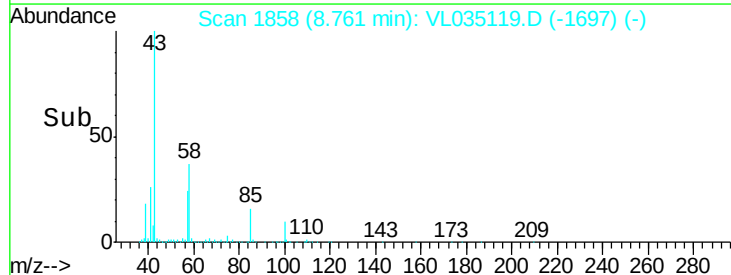
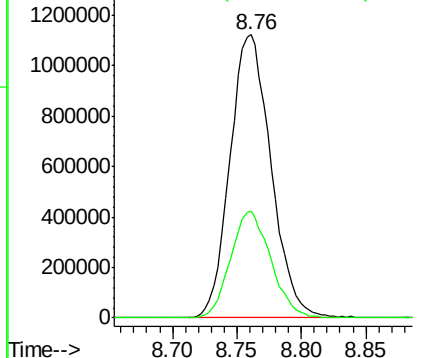


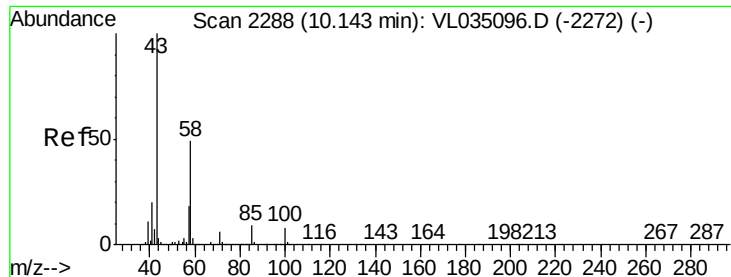
#50
4-Methyl-2-Pentanone
Concen: 9.911 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





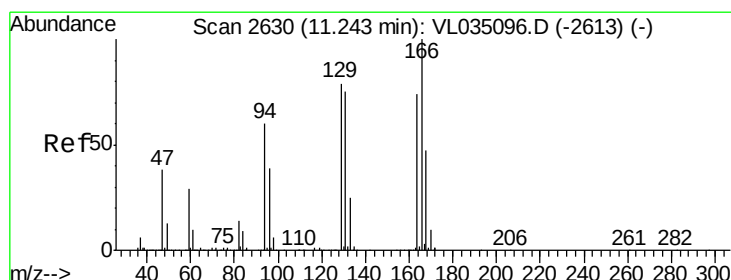
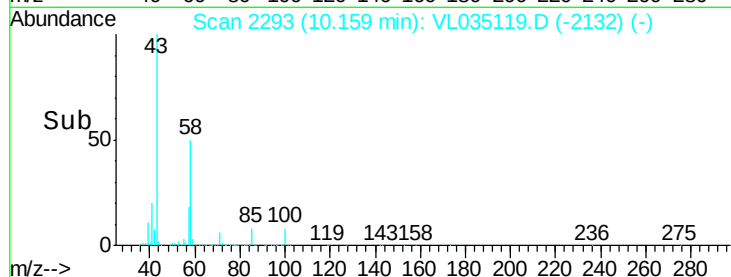
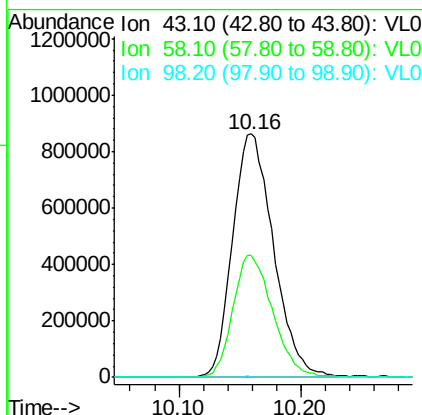
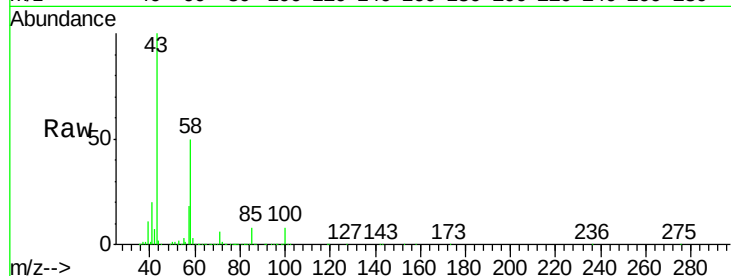
#51
2-Hexanone
Concen: 10.235 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2004394
Ion Ratio Lower Upper
43 100
58 49.1 39.2 58.8
98 0.4 0.3 0.5

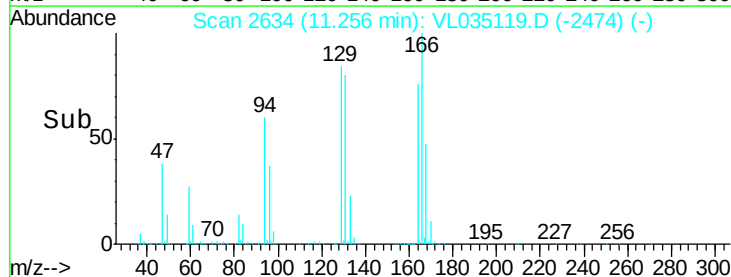
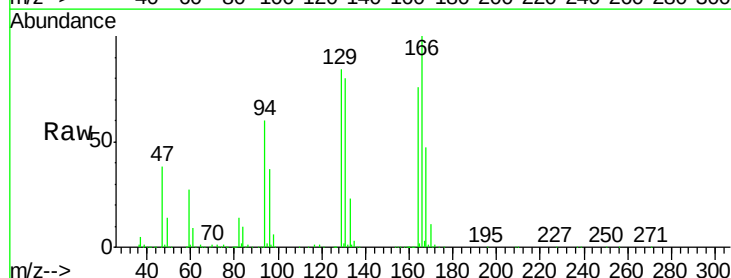
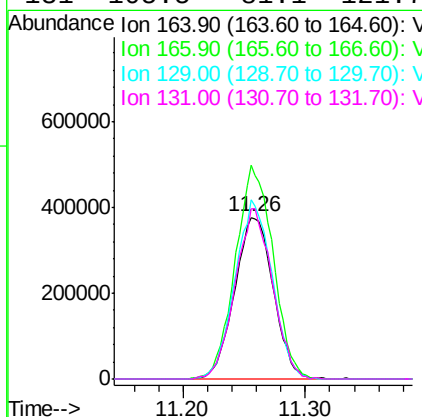
Manual Integrations
APPROVED

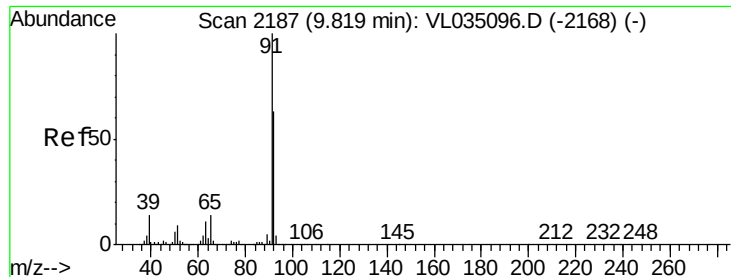
MMDadoda
6/23/2020 10:59:51 AM



#52
Tetrachloroethene
Concen: 9.827 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 164 Resp: 821760
Ion Ratio Lower Upper
164 100
166 132.0 107.5 161.3
129 110.9 84.9 127.3
131 105.5 81.1 121.7





#53

Toluene

Concen: 10.629 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2690739

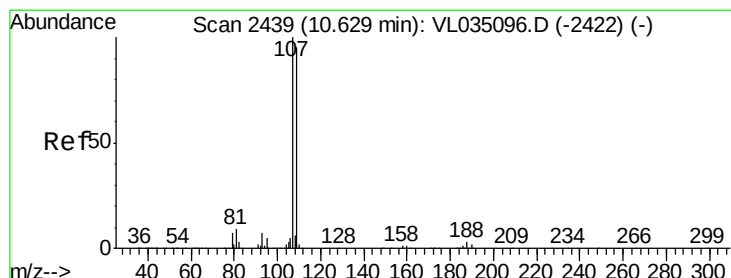
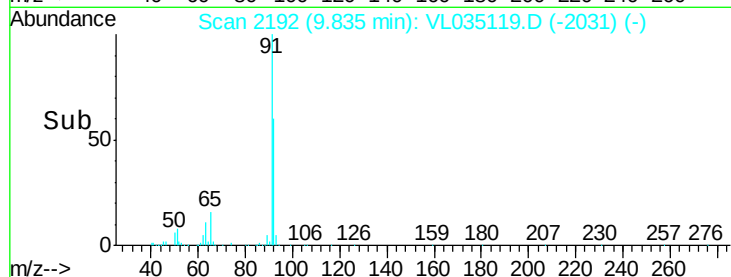
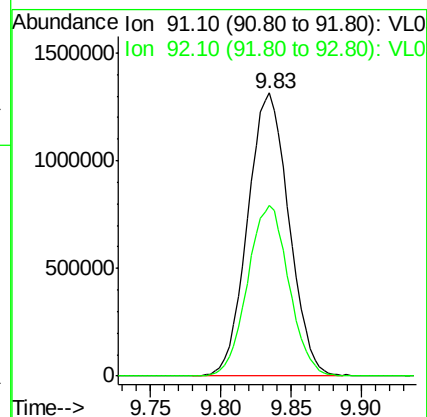
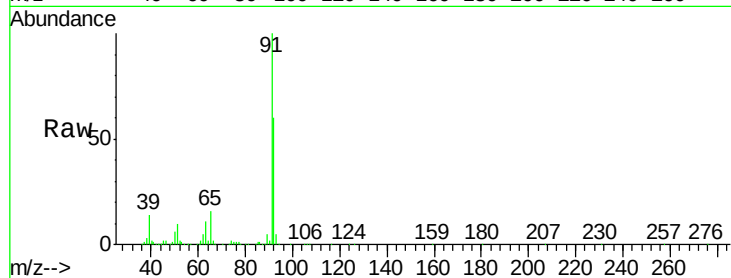
Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.6

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM



#54

1,2-Dibromoethane

Concen: 9.658 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035119.D

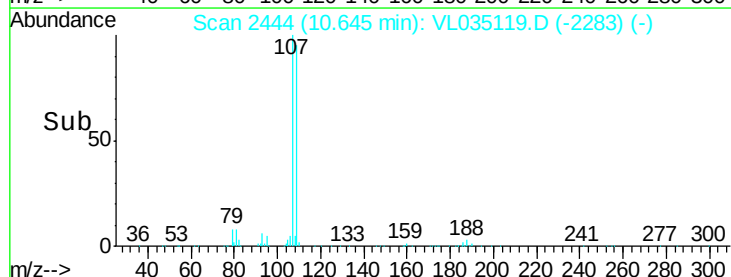
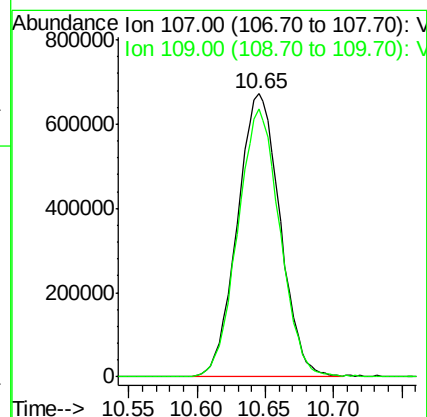
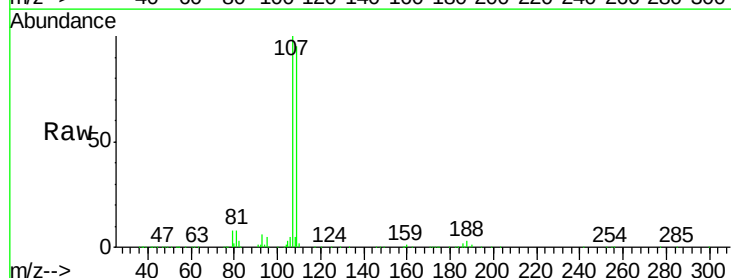
Acq: 22 Jun 2020 20:33

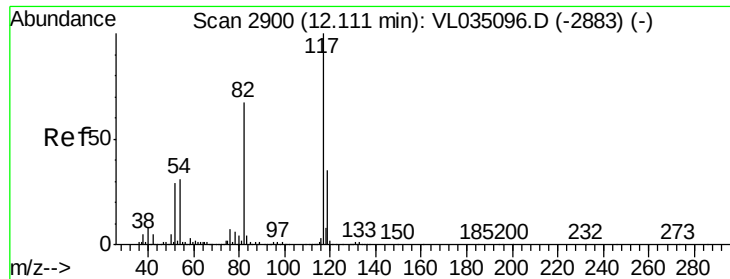
Tgt Ion: 107 Resp: 1448659

Ion Ratio Lower Upper

107 100

109 94.6 75.9 113.9





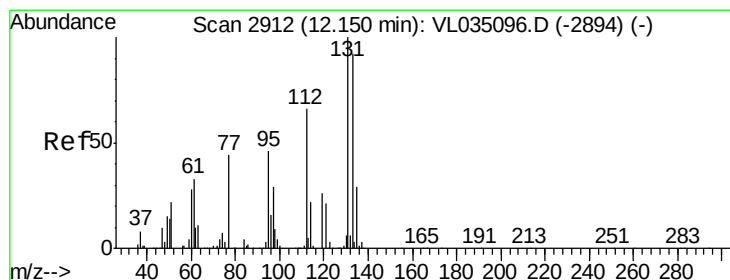
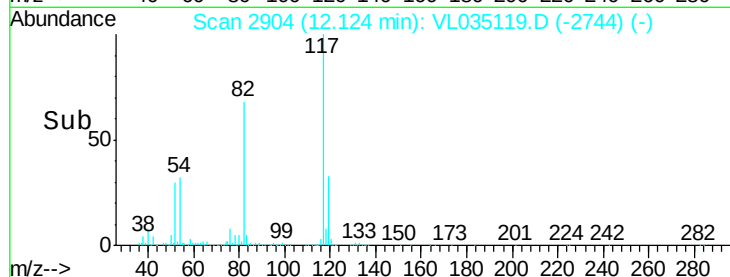
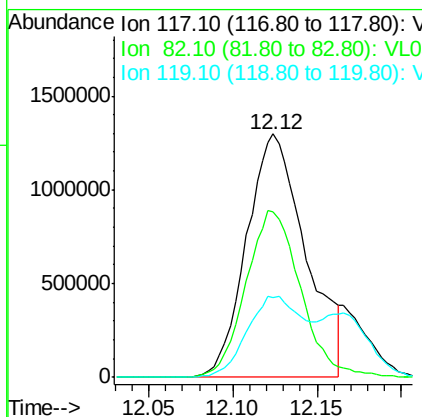
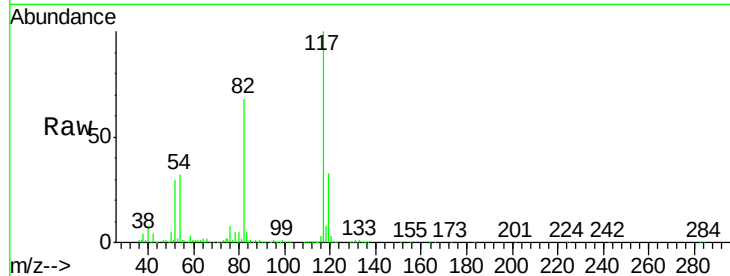
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3175759
Ion Ratio Lower Upper
117 100
82 63.6 50.4 75.6
119 32.9 25.4 38.0

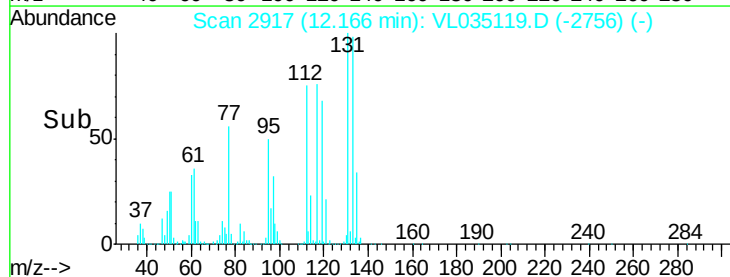
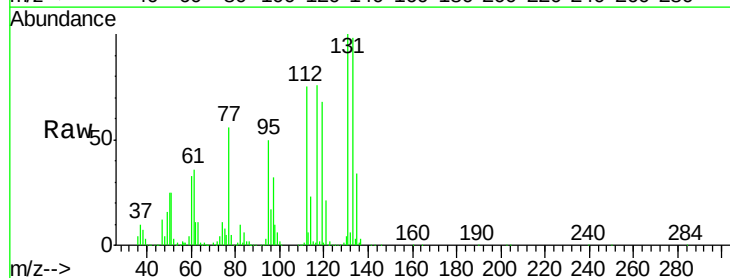
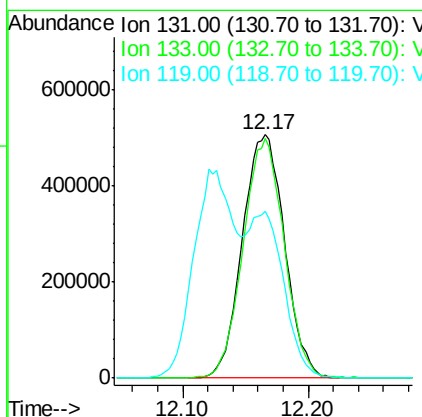
Manual Integrations
APPROVED

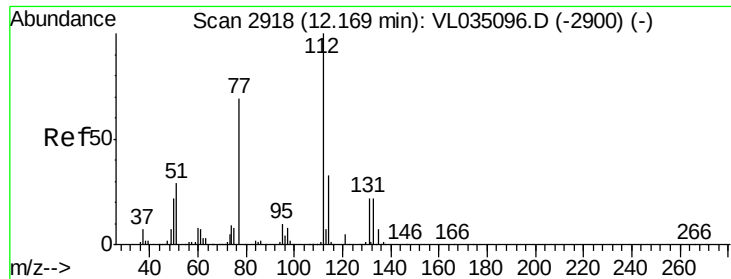
MMDadoda
6/23/2020 10:59:51 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.111 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion:131 Resp: 1184066
Ion Ratio Lower Upper
131 100
133 95.8 76.2 114.4
119 143.5 114.6 172.0





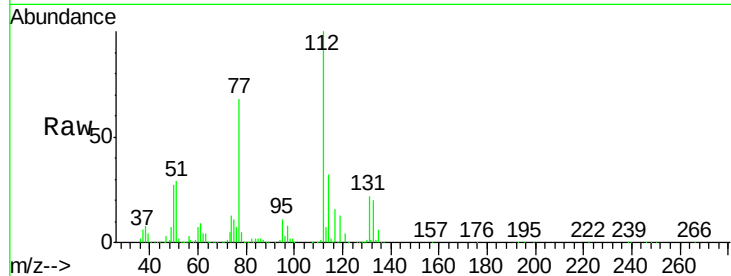
#57
Chlorobenzene
Concen: 8.527 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

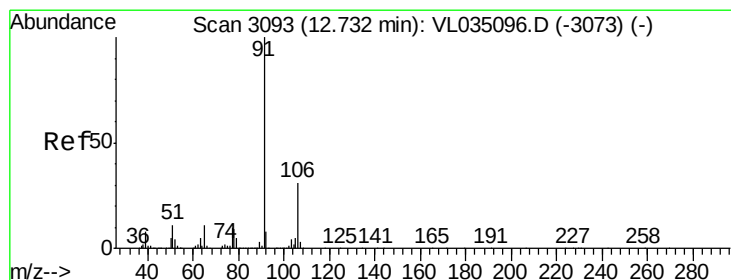
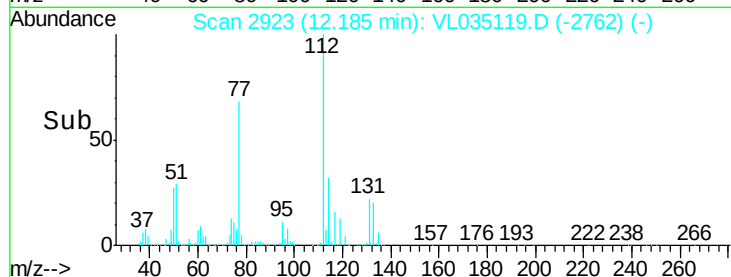
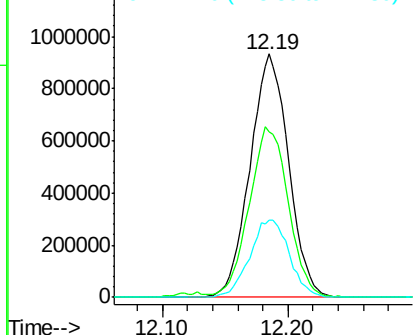
Tot Ion	Ratio	Lower	Upper
112	100		
77	67.4	56.7	85.1
114	31.3	29.3	35.9

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM

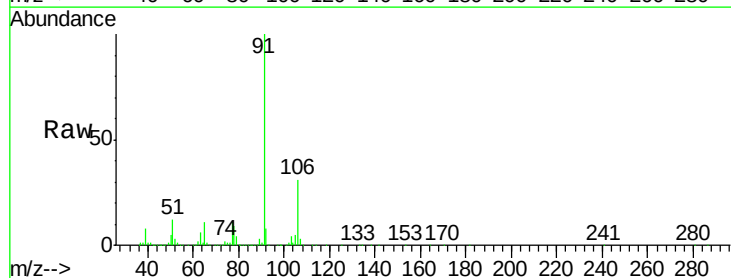


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

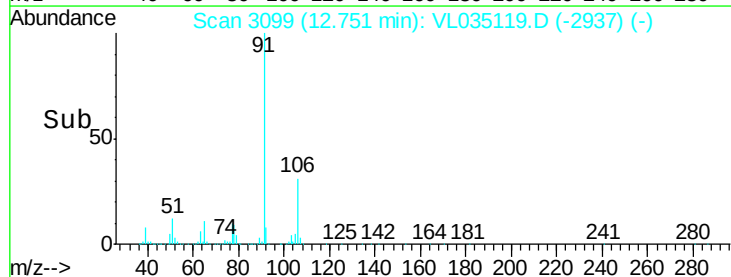
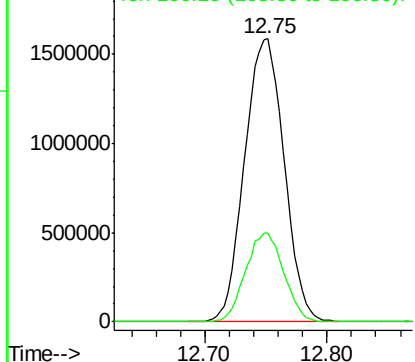


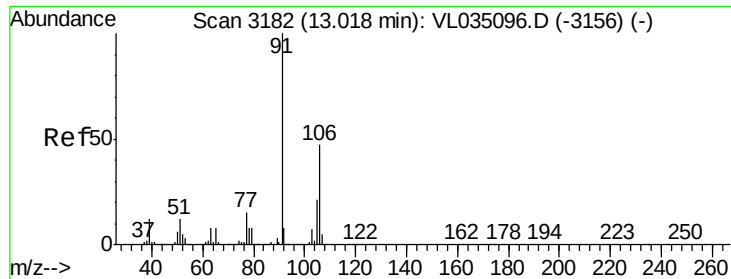
#58
Ethyl Benzene
Concen: 9.943 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





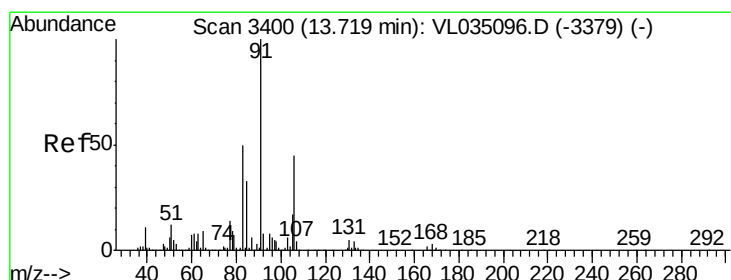
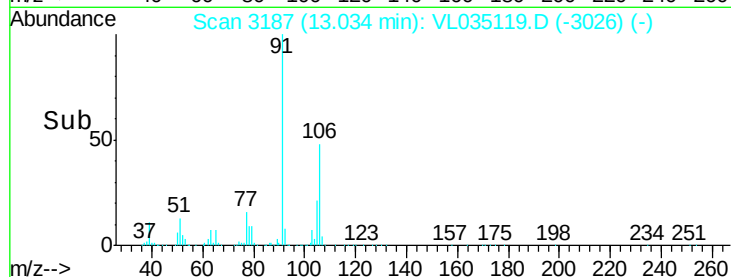
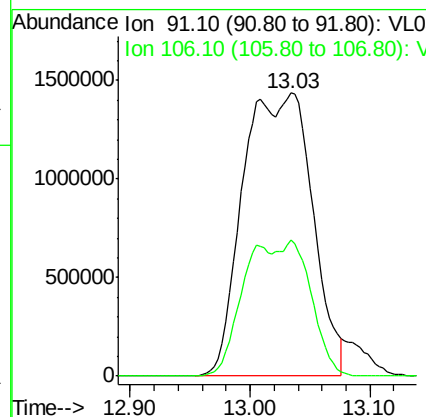
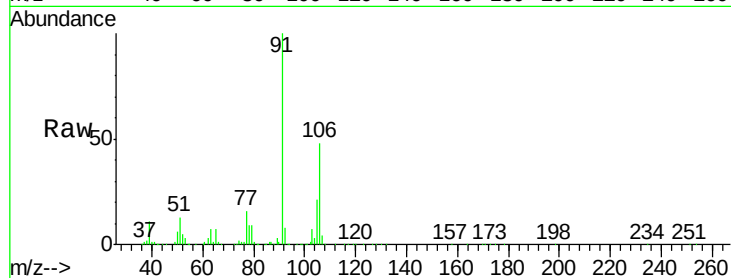
#59
m/p-Xylene
Concen: 18.297 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5786000
Ion Ratio Lower Upper
91 100
106 45.9 36.5 54.7

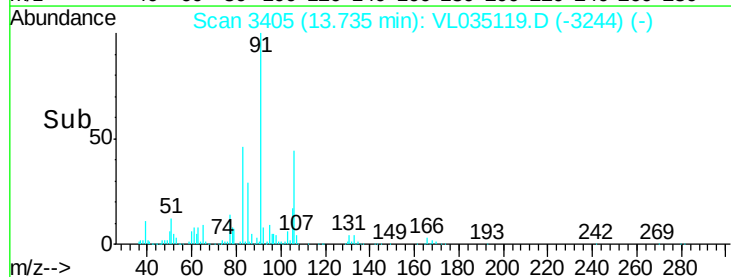
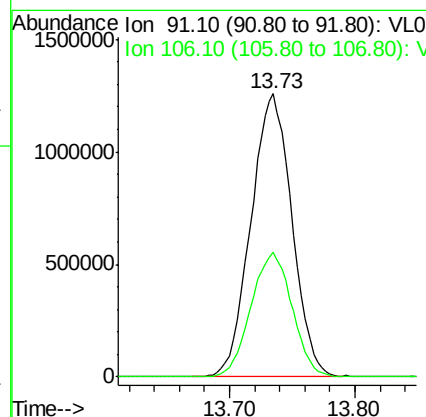
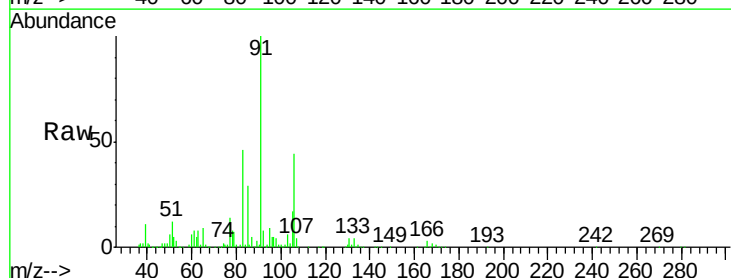
Manual Integrations
APPROVED

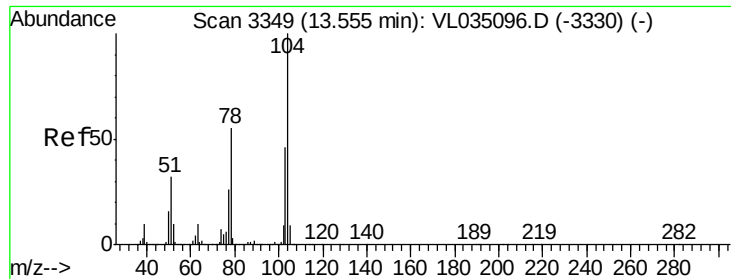
MMDadoda
6/23/2020 10:59:51 AM



#60
o-Xylene
Concen: 9.073 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 91 Resp: 2856478
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.5





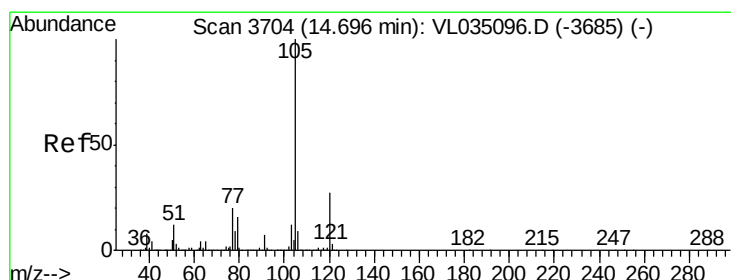
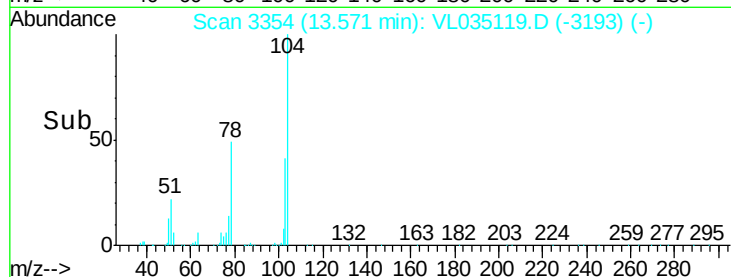
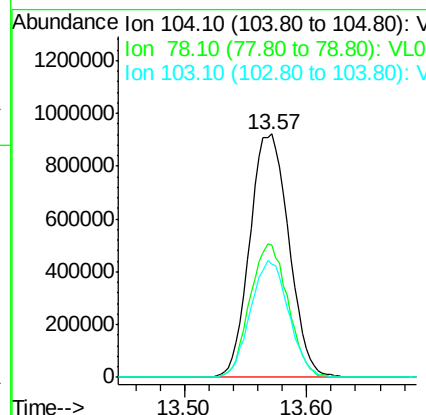
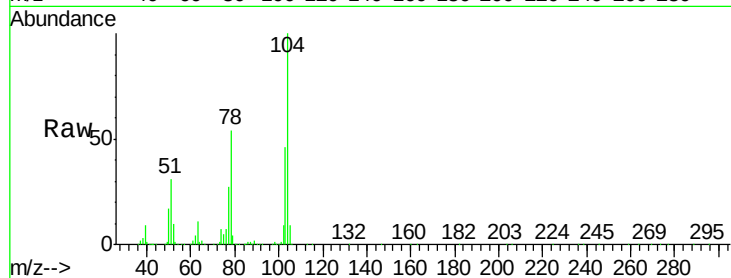
#61
Stvrene
Concen: 10.297 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.4	65.0
103	47.0	38.3	57.5

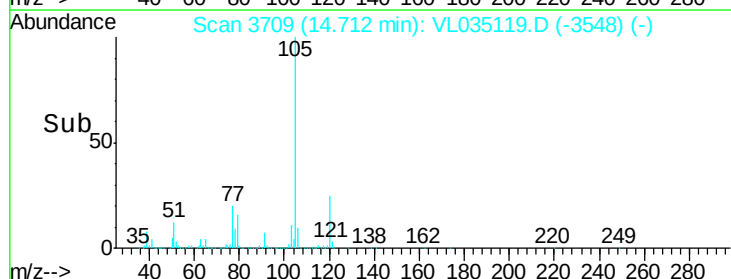
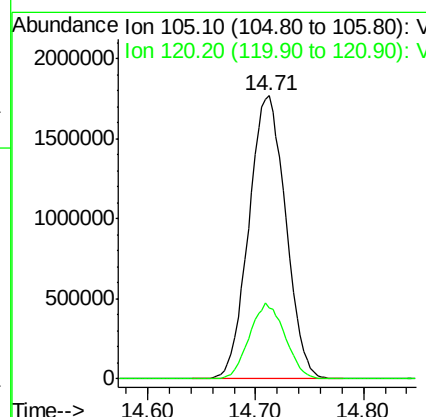
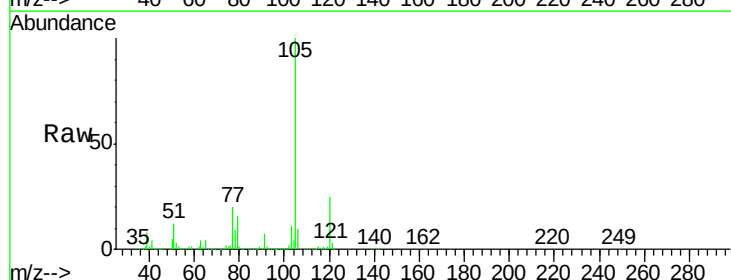
Manual Integrations
APPROVED

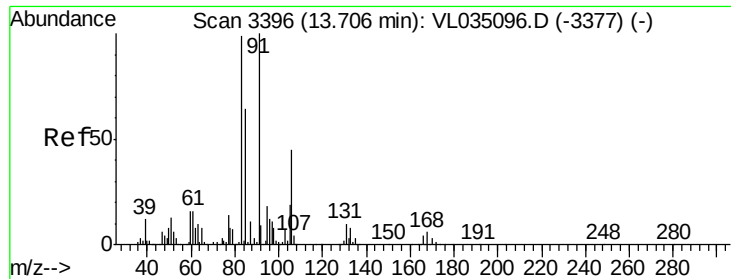
MMDadoda
6/23/2020 10:59:51 AM



#62
Isopropylbenzene
Concen: 8.934 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.8	31.2





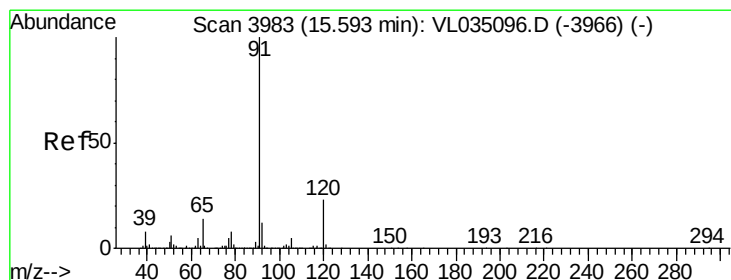
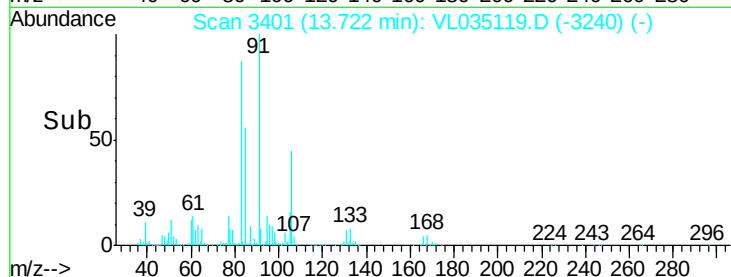
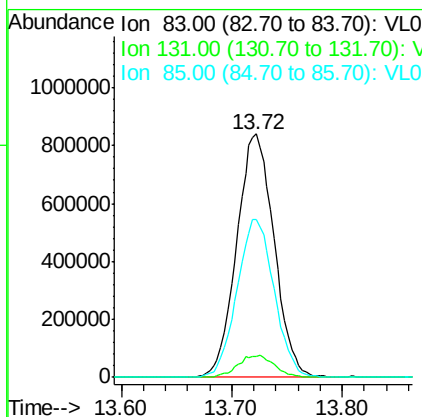
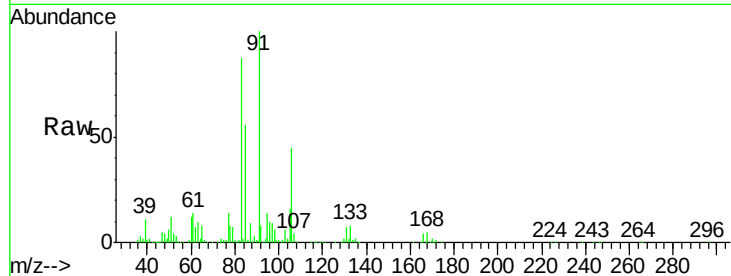
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.731 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	1971149
Ion Ratio	100	Lower	Upper
83	100		
131	8.9	4.7	14.0
85	64.7	32.4	97.0

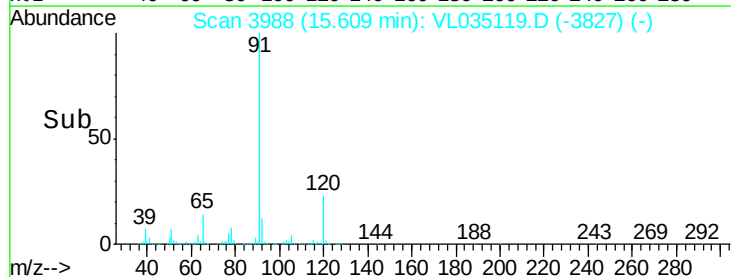
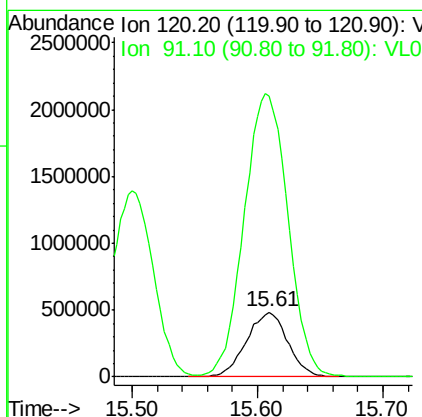
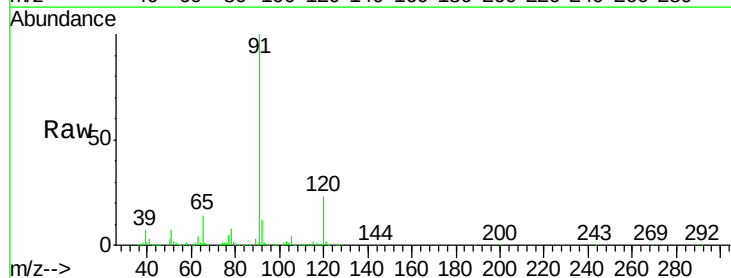
Manual Integrations
 APPROVED

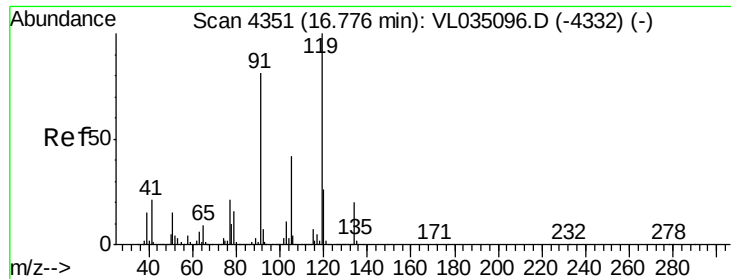
MMDadoda
 6/23/2020 10:59:51 AM



#64
 n-propylbenzene
 Concen: 9.183 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion	120	Resp	1100876
Ion Ratio	100	Lower	Upper
120	100		
91	467.8	367.9	551.9





#65

tert-Butylbenzene

Concen: 8.964 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3606136

Ion Ratio Lower Upper

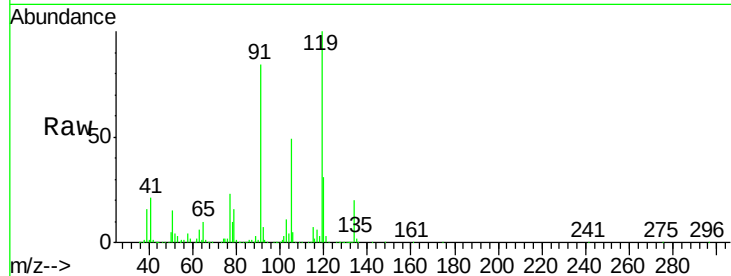
119 100

91 85.2 67.6 101.4

134 20.2 15.7 23.5

Manual Integrations
APPROVED

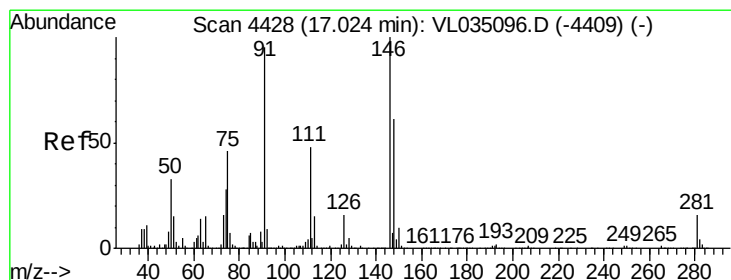
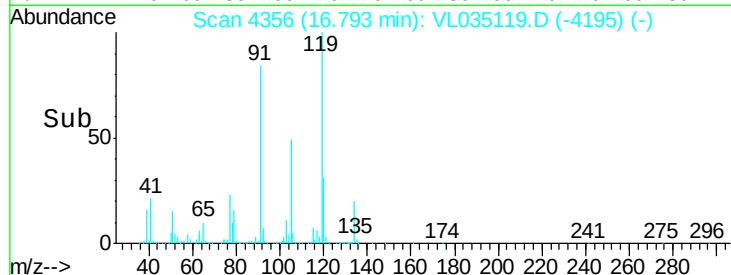
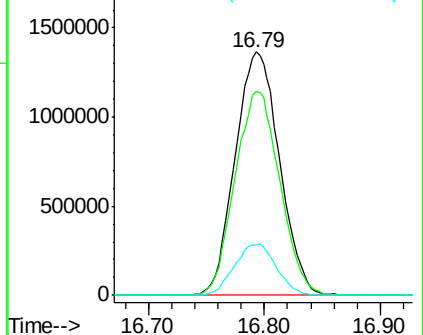
MMDadoda
6/23/2020 10:59:51 AM



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



#66

Benzyl Chloride

Concen: 11.429 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

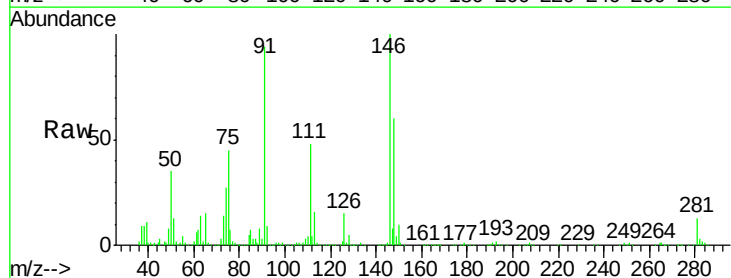
Tgt Ion: 91 Resp: 1420191

Ion Ratio Lower Upper

91 100

126 16.8 13.5 20.3

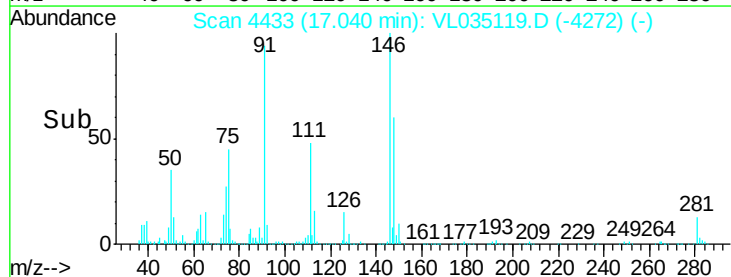
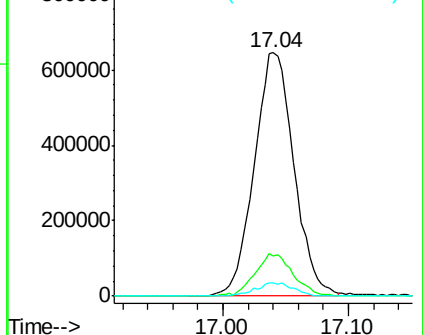
128 5.4 4.3 6.5

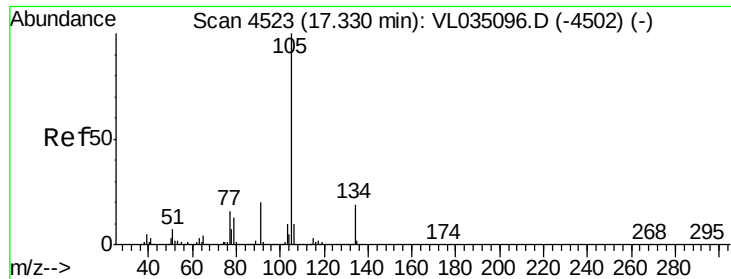


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





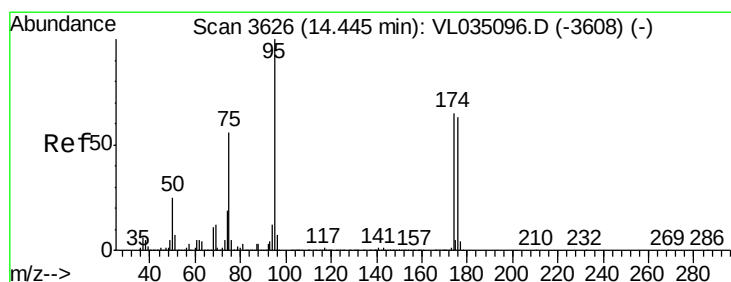
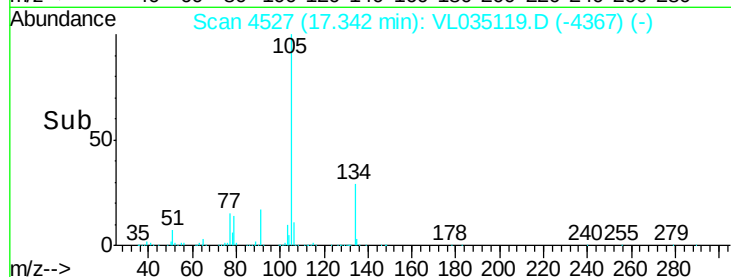
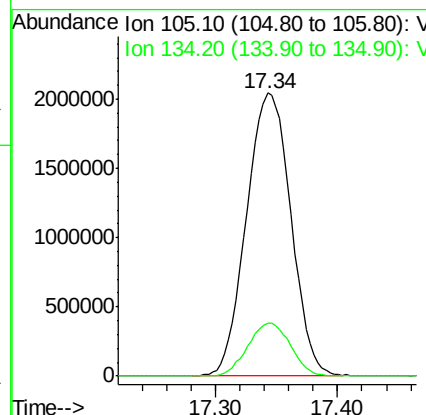
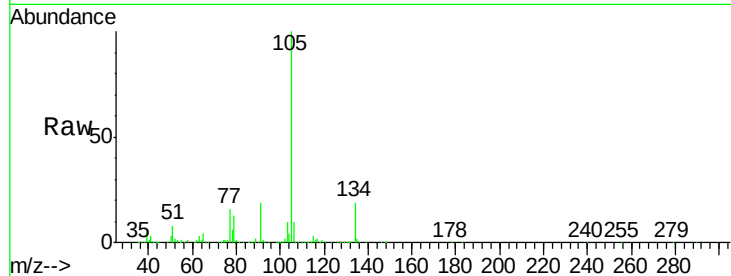
#67
 sec-Butylbenzene
 Concen: 8.910 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 5137183
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.7 22.1

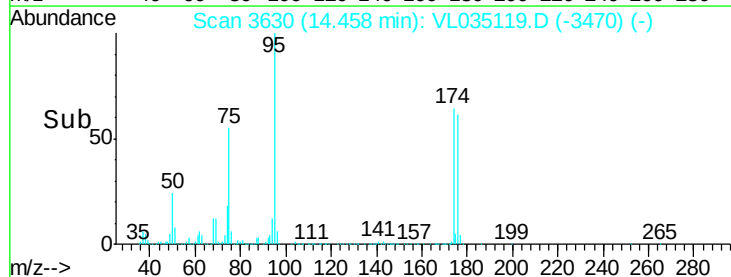
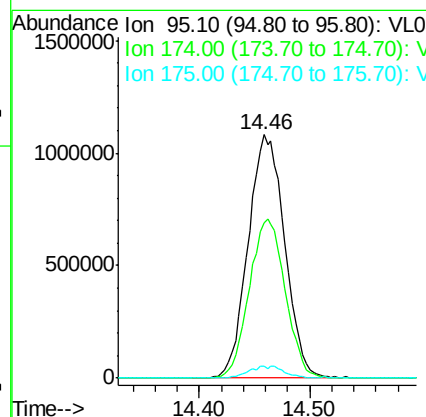
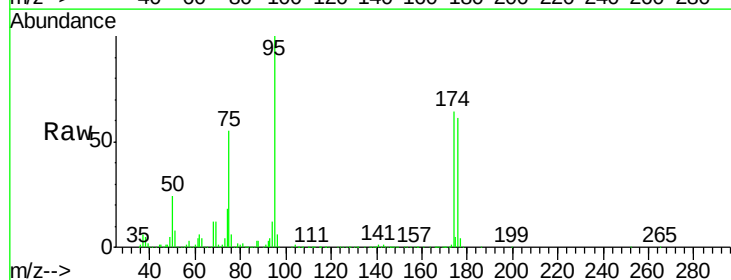
Manual Integrations
 APPROVED

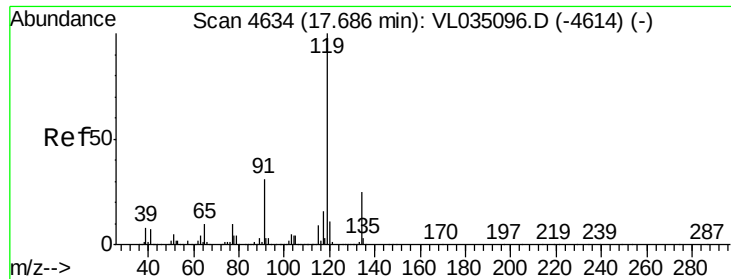
MMDadoda
 6/23/2020 10:59:51 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.385 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 95 Resp: 2475744
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.2 78.2
 175 4.8 4.0 6.0





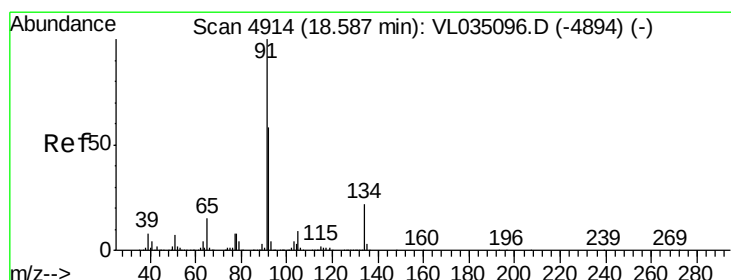
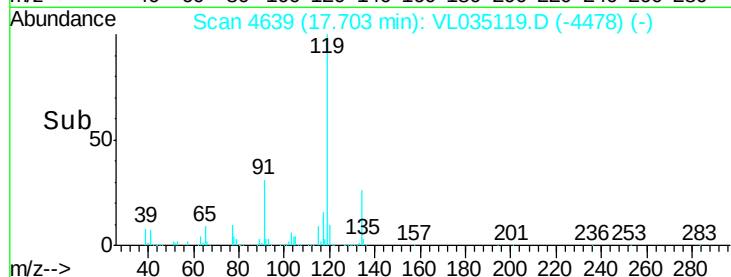
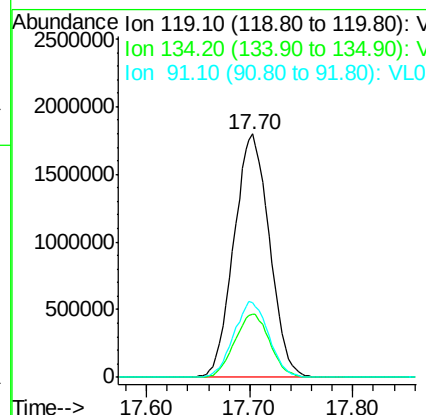
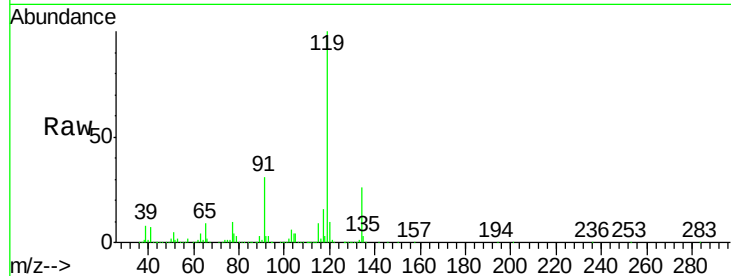
#69
 p-Isopropyltoluene
 Concen: 9.375 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	30.6	24.5	36.7

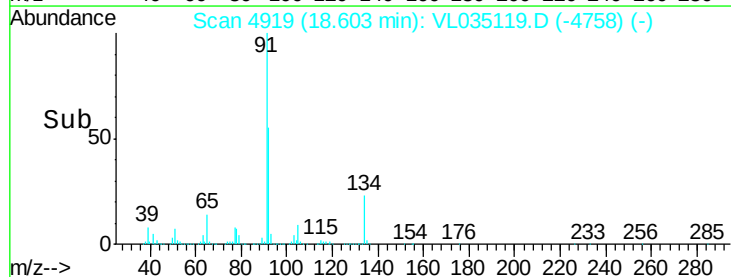
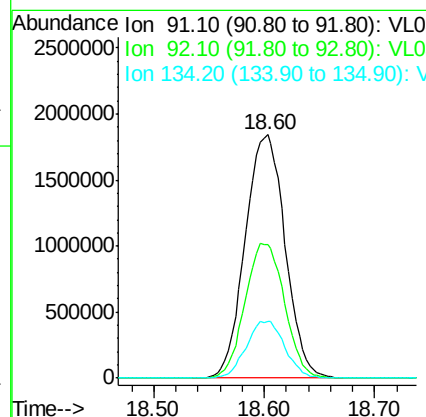
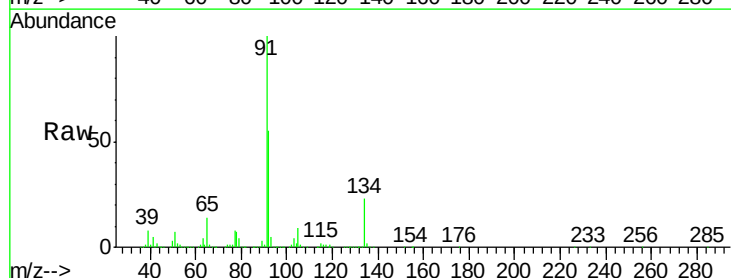
Manual Integrations
 APPROVED

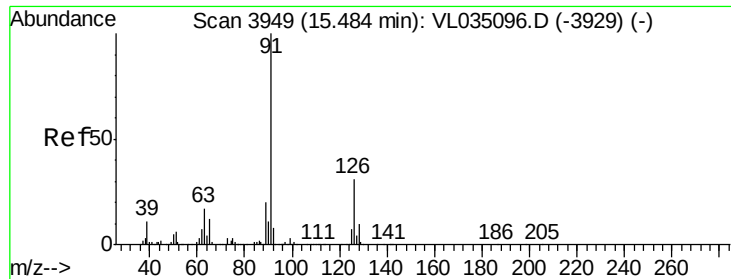
MMDadoda
 6/23/2020 10:59:51 AM



#70
 n-Butylbenzene
 Concen: 9.338 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.4	66.6
134	22.7	18.0	27.0





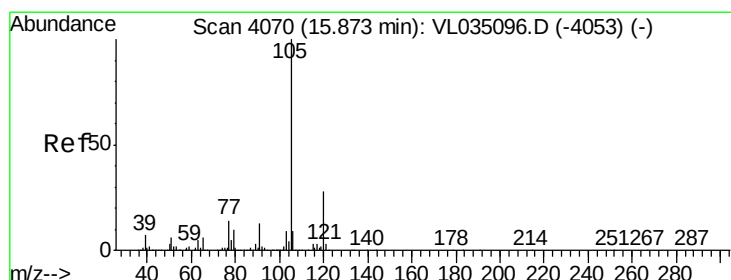
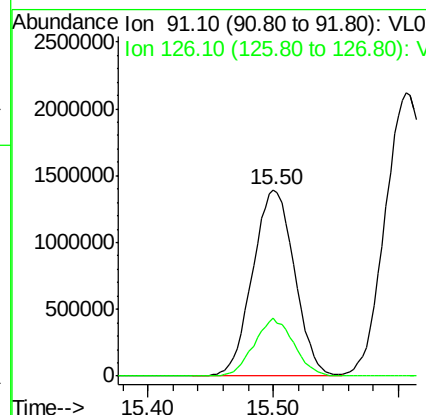
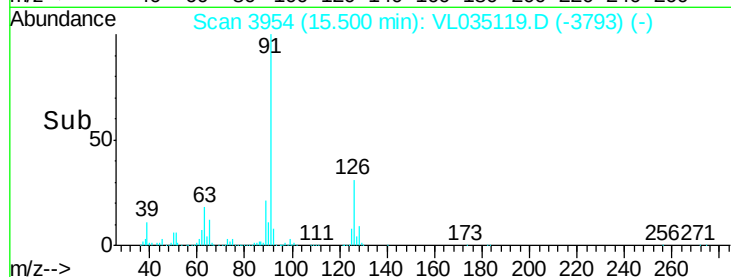
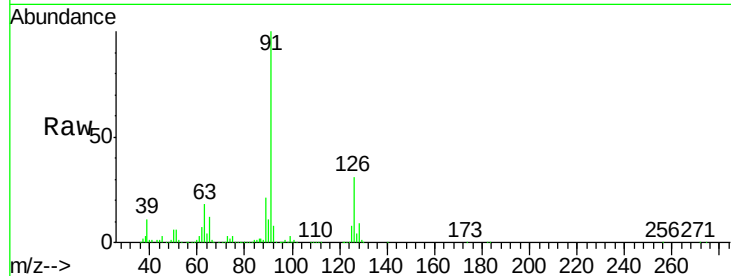
#71
 2-Chlorotoluene
 Concen: 9.134 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3243404
 Ion Ratio Lower Upper
 91 100
 126 29.5 12.0 48.0

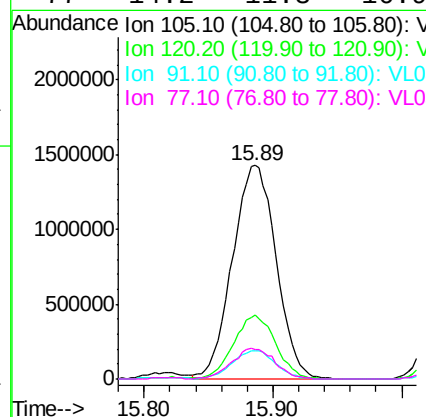
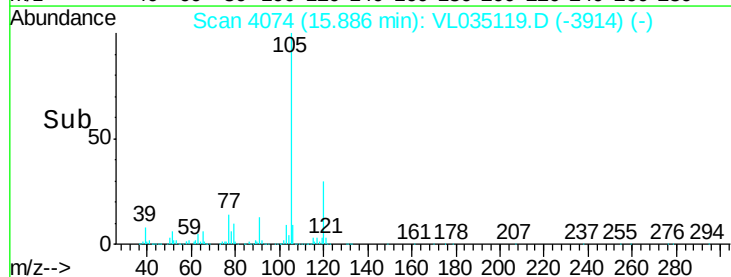
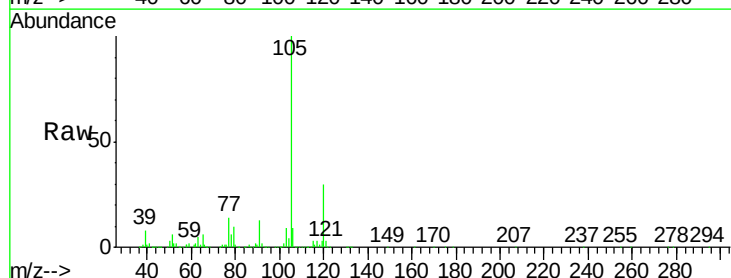
Manual Integrations
 APPROVED

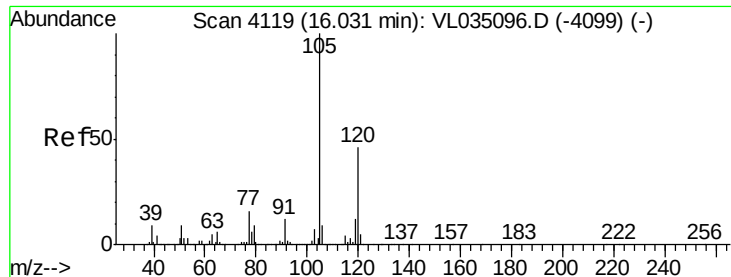
MMDadoda
 6/23/2020 10:59:51 AM



#72
 4-Ethyltoluene
 Concen: 9.552 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 105 Resp: 3345396
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.4 35.0
 91 13.2 10.6 16.0
 77 14.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.322 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3086086

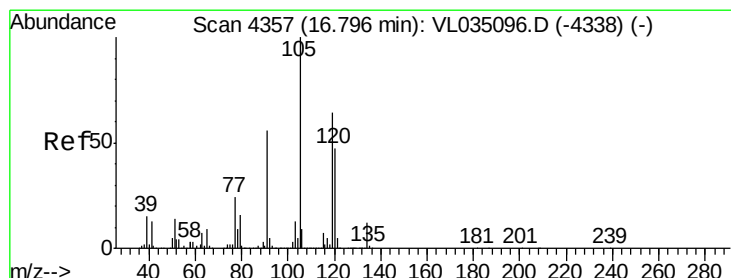
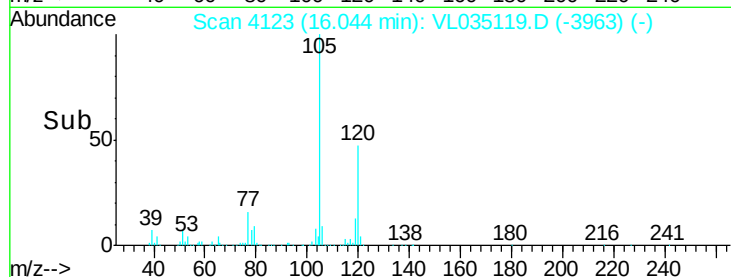
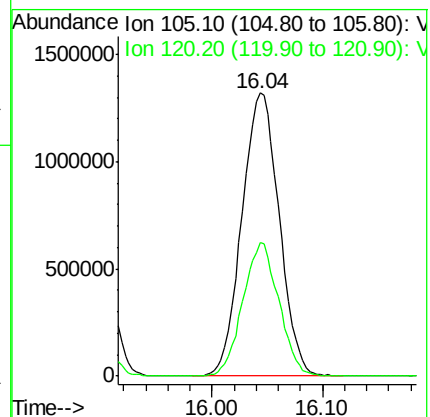
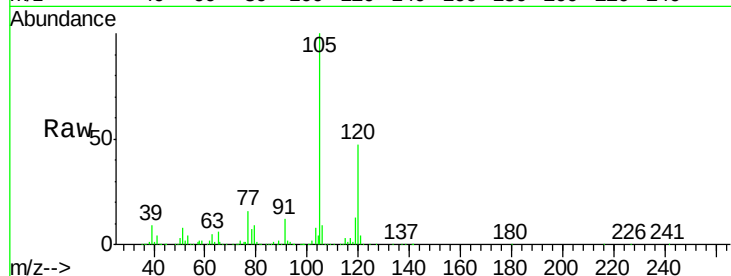
Ion Ratio Lower Upper

105 100

120 47.1 37.0 55.6

Manual Integrations
APPROVED

MMDadoda
6/23/2020 10:59:51 AM



#74

1,2,4-Trimethylbenzene

Concen: 8.816 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion:105 Resp: 3257357

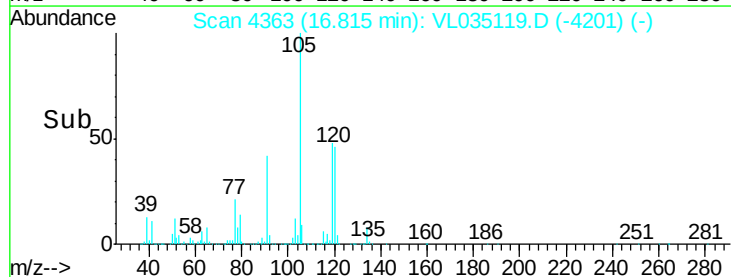
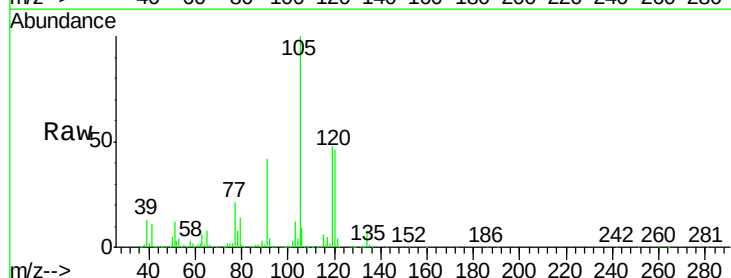
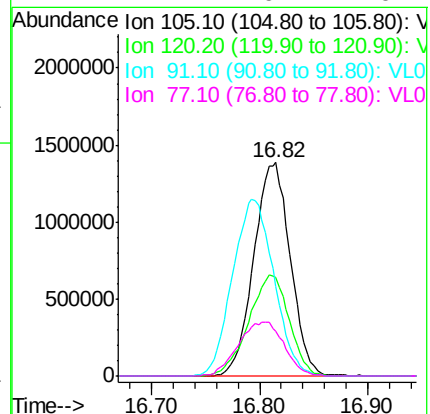
Ion Ratio Lower Upper

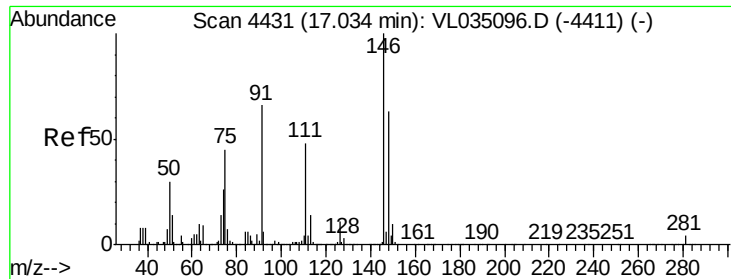
105 100

120 46.0 37.9 56.9

91 41.8 46.0 69.0#

77 21.2 19.4 29.2





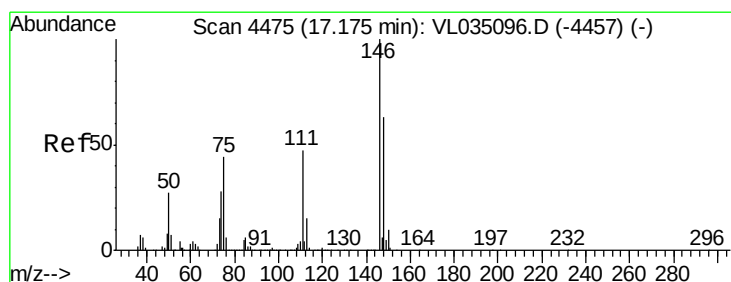
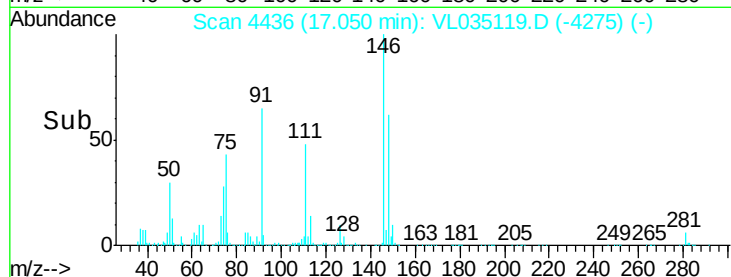
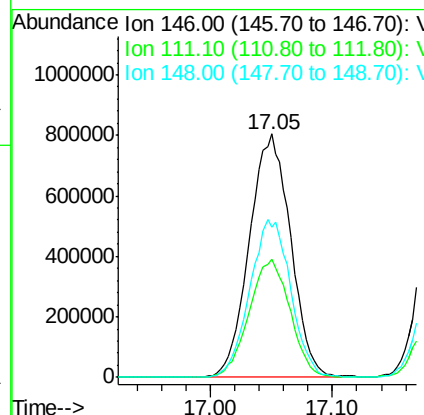
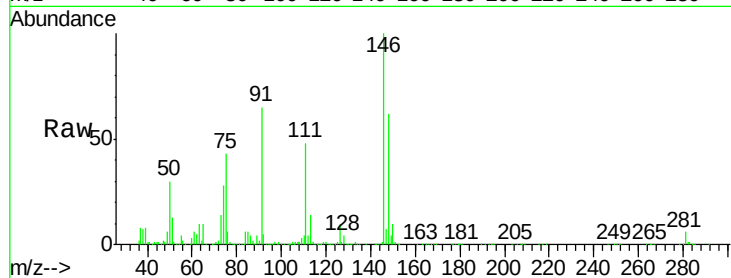
#75
 1,3-Dichlorobenzene
 Concen: 8.527 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1880112
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.4
 148 64.3 32.3 96.8

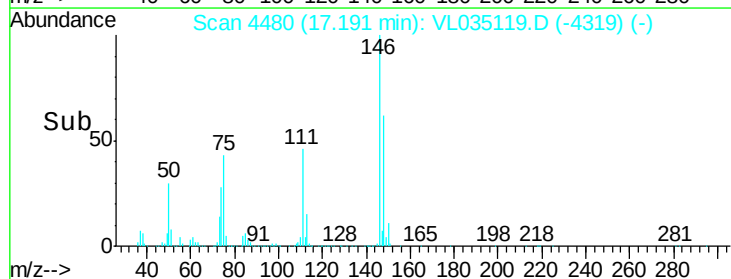
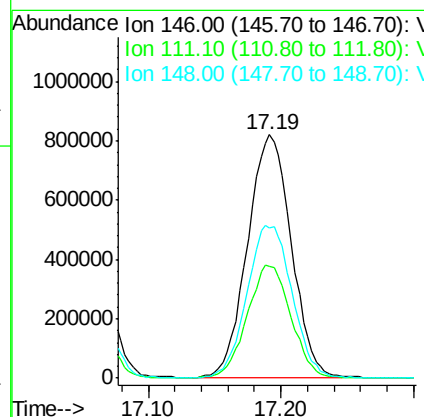
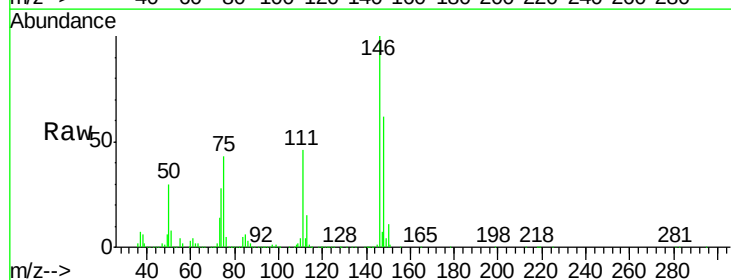
Manual Integrations
 APPROVED

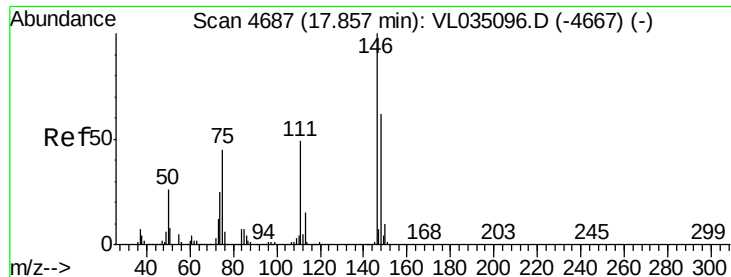
MMDadoda
 6/23/2020 10:59:51 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.889 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:146 Resp: 1874916
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.5 70.5
 148 65.1 32.0 96.2





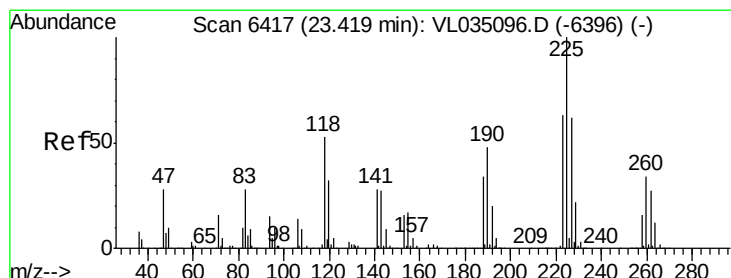
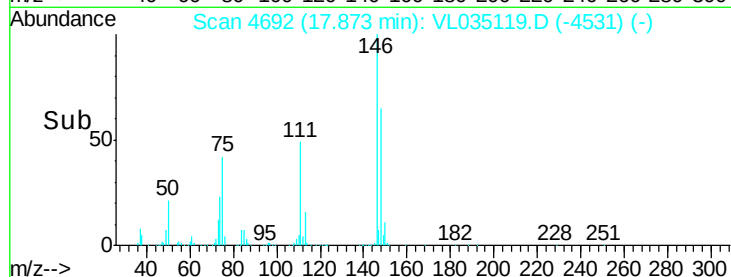
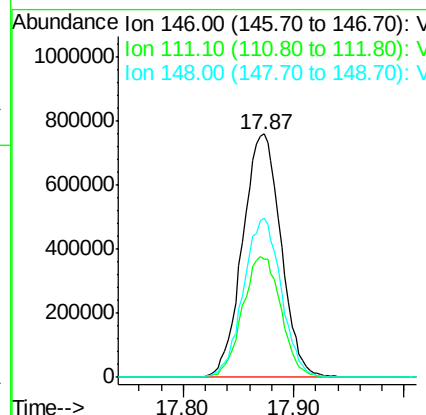
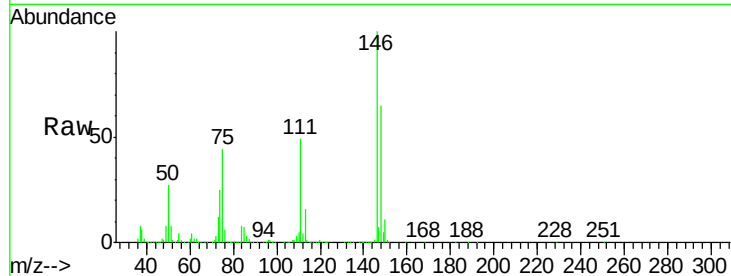
#77
 1,2-Dichlorobenzene
 Concen: 9.068 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1829494
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.0 75.0
 148 64.6 32.3 96.8

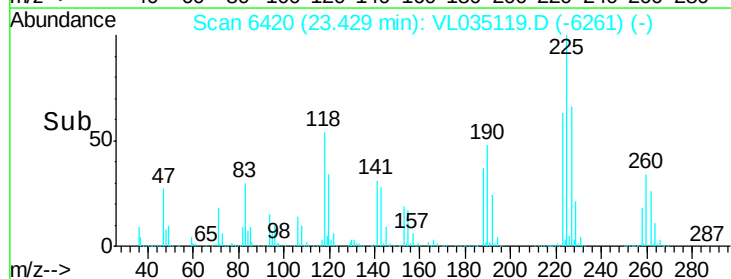
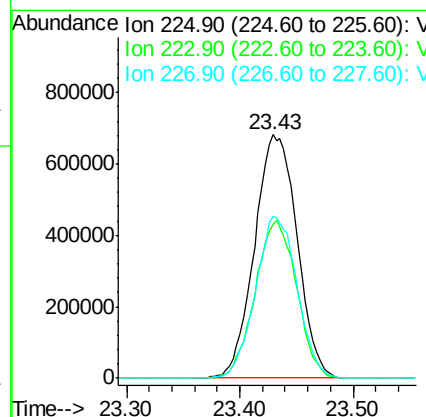
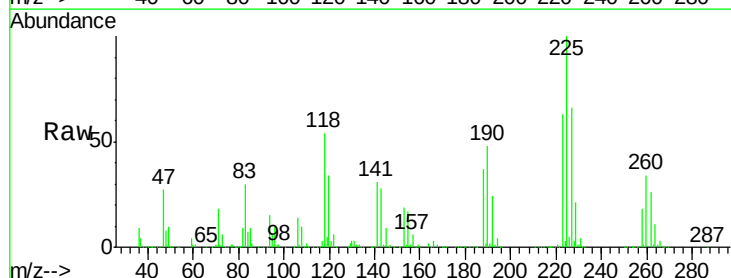
Manual Integrations
 APPROVED

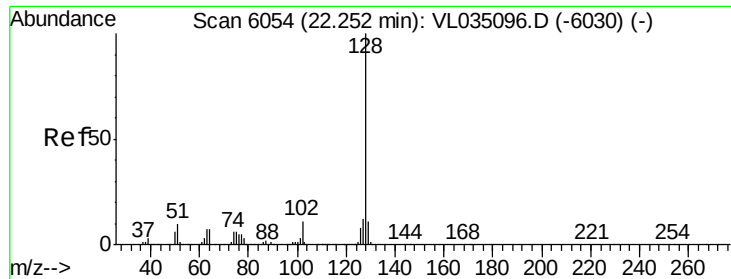
MMDadoda
 6/23/2020 10:59:51 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.807 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:225 Resp: 1778581
 Ion Ratio Lower Upper
 225 100
 223 62.9 51.4 77.0
 227 64.9 51.8 77.8





#79

Naphthalene

Concen: 12.104 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3921049

Ion Ratio Lower Upper

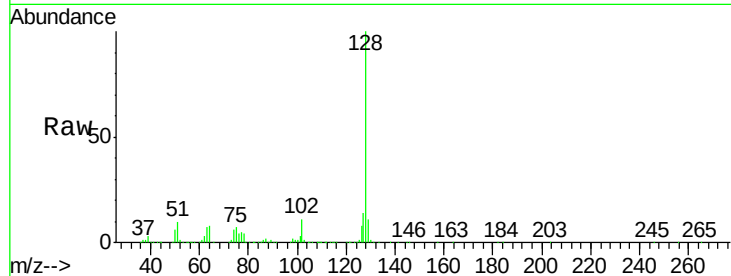
128 100

127 14.3 9.9 14.9

129 10.8 9.0 13.4

Manual Integrations
APPROVED

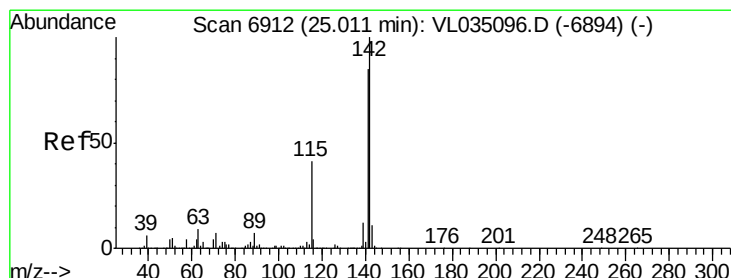
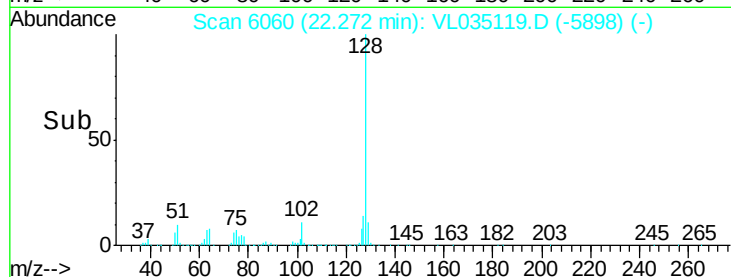
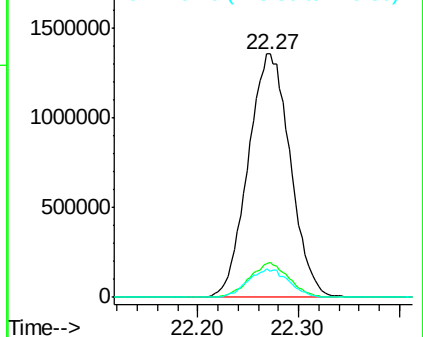
MMDadoda
6/23/2020 10:59:51 AM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.868 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

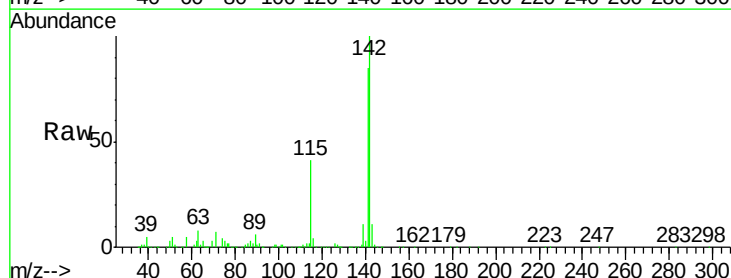
Tgt Ion:142 Resp: 1469988

Ion Ratio Lower Upper

142 100

141 85.7 67.5 101.3

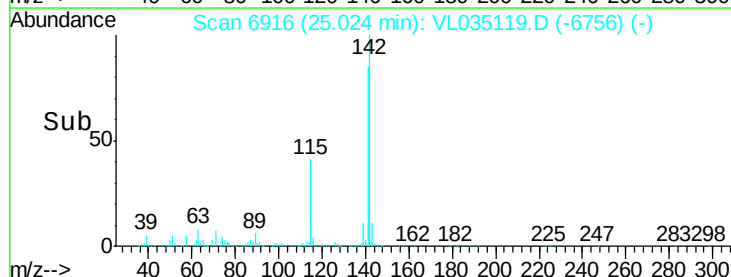
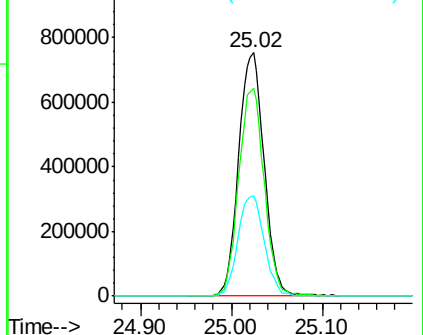
115 42.6 33.8 50.8

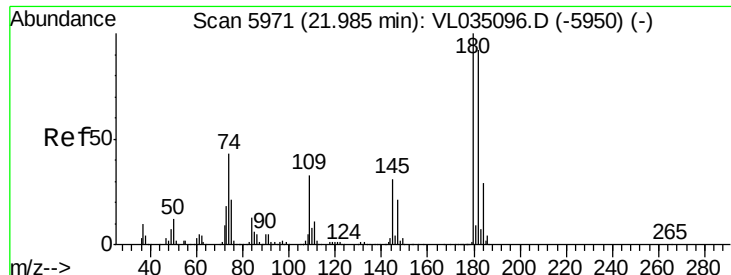


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.878 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.5	77.9	116.9	
184	31.8	24.6	37.0	

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:51 AM

