

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035231.D
 Acq On : 23 Jul 2020 17:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:55 PM

Quant Time: Jul 24 06:39:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1325338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3150605	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3039749	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2475495	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	1362432	7.335	ppbv	99
3) Chlorodifluoromethane	2.94	51	1379424	9.423	ppbv	100
4) Chloromethane	3.10	50	800043	9.696	ppbv	98
5) Vinyl Chloride	3.21	62	812624	9.217	ppbv	100
6) Bromomethane	3.43	94	512432	10.240	ppbv	93
7) Chloroethane	3.52	64	305397	9.798	ppbv	91
8) Dichlorotetrafluoroethane	3.14	85	1888232	9.275	ppbv	100
9) Propene	2.97	41	546411	9.876	ppbv	99
10) Heptane	8.13	43	1620452	11.409	ppbv	99
11) Trichlorofluoromethane	3.92	101	2062526	9.833	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1432234	9.723	ppbv	99
13) Ethanol	3.57	45	137981	7.833	ppbv	98
14) Bromoethene	3.70	108	626283	10.331	ppbv	99
15) Acetone	3.82	43	1579224	8.801	ppbv	99
16) 1,3-Butadiene	3.29	39	730459	10.606	ppbv	99
17) tert-Butyl alcohol	4.26	59	1705121	10.740	ppbv	99
18) 1,1-Dichloroethene	4.26	96	669926	10.272	ppbv	98
19) Isopropyl Alcohol	3.93	45	1111997	10.273	ppbv	100
20) Methylene Chloride	4.32	84	635680	8.142	ppbv	98
21) Allyl Chloride	4.38	41	1056825	10.119	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	661668	10.162	ppbv	97
23) Vinyl Acetate	5.05	43	2003048	10.313	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1641088	9.839	ppbv	99
25) Ethyl Acetate	5.66	43	2831427	10.169	ppbv	99
26) Hexane	5.67	57	1298076	10.573	ppbv	98
27) Carbon Disulfide	4.52	76	1765921	10.301	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1946668	10.407	ppbv	100
29) Chloroform	5.74	83	2065241	10.034	ppbv	95
30) Cyclohexane	7.13	84	1065111	11.725	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1247375	10.741	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2034721	9.864	ppbv	99
34) 2-Butanone	5.23	43	1737150	10.330	ppbv	99
35) Carbon Tetrachloride	7.02	117	2111127	10.323	ppbv	97
36) Benzene	6.89	78	2469882	10.832	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1578008	10.312	ppbv	100
38) Trichloroethene	7.85	130	1014290	10.916	ppbv	96
39) 1,2-Dichloropropane	7.62	63	976816	10.772	ppbv	99
40) 1,4-Dioxane	7.83	88	389723	10.795	ppbv	94
41) Tetrahydrofuran	6.04	42	941850	11.194	ppbv	99
42) Bromodichloromethane	7.80	83	2192705	10.730	ppbv	97
43) Methyl Methacrylate	8.02	69	1155267	11.985	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035231.D
 Acq On : 23 Jul 2020 17:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

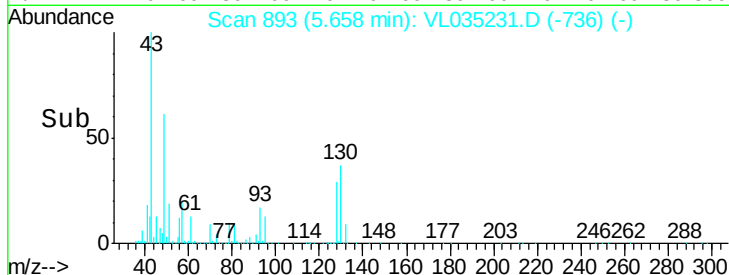
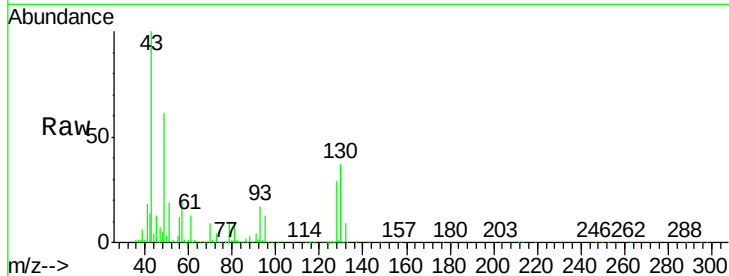
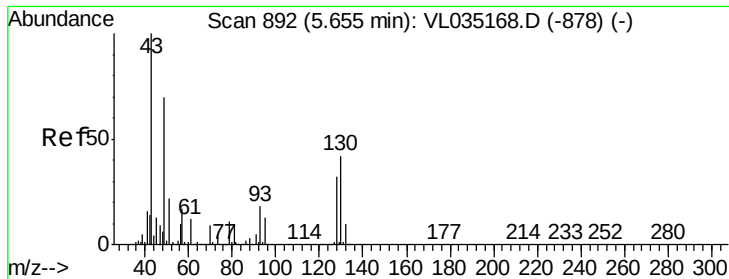
Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:55 PM

Quant Time: Jul 24 06:39:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4354661	11.064	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1289089	12.729	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1511109	12.587	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1078642	10.867	ppbv	97
48) Dibromochloromethane	10.33	129	1824476	11.297	ppbv	98
49) Bromoform	13.08	173	1627163	11.518	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2721442	11.276	ppbv	100
51) 2-Hexanone	10.15	43	2186320	11.880	ppbv #	100
52) Tetrachloroethene	11.25	164	905001	10.626	ppbv	97
53) Toluene	9.83	91	2910697	12.095	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1636111	11.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	1416551	10.518	ppbv	93
57) Chlorobenzene	12.18	112	2311049	10.315	ppbv	95
58) Ethyl Benzene	12.74	91	3988789	11.872	ppbv	99
59) m/p-Xylene	13.00	91	6678345m	22.302	ppbv	
60) o-Xylene	13.73	91	3342946	11.189	ppbv	100
61) Styrene	13.56	104	2367513	12.824	ppbv	99
62) Isopropylbenzene	14.70	105	4946997	11.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2429712	9.732	ppbv	99
64) n-propylbenzene	15.60	120	1333629	11.658	ppbv	96
65) tert-Butylbenzene	16.79	119	4438928	11.161	ppbv	100
66) Benzyl Chloride	17.03	91	1776455	12.537	ppbv	99
67) sec-Butylbenzene	17.34	105	6304028	10.872	ppbv	100
69) p-Isopropyltoluene	17.70	119	5193350	11.428	ppbv	100
70) n-Butylbenzene	18.60	91	5404891	11.217	ppbv	99
71) 2-Chlorotoluene	15.49	91	3843243	11.470	ppbv	100
72) 4-Ethyltoluene	15.88	105	3931919	11.680	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3713274	11.439	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	3909302	10.898	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	2251869	9.912	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2240602	10.613	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2157581	10.548	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1572367	9.728	ppbv	99
79) Naphthalene	22.26	128	3255762	14.026	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	1223733	22.318	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1789739	12.170	ppbv	98

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



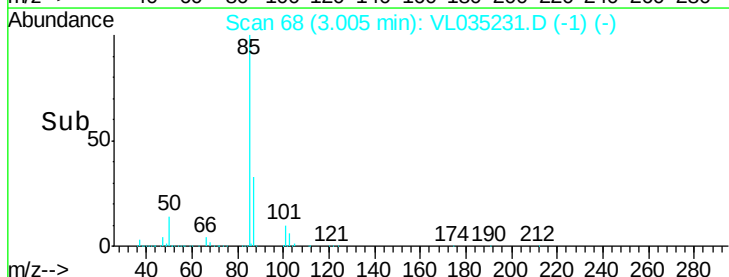
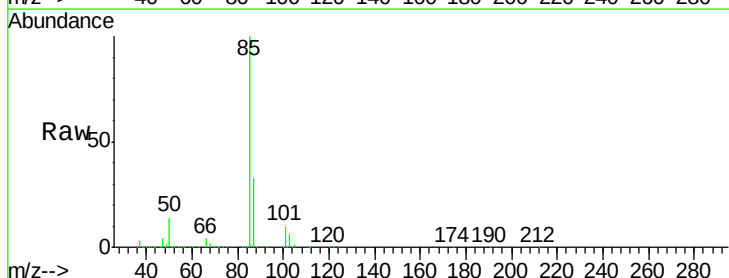
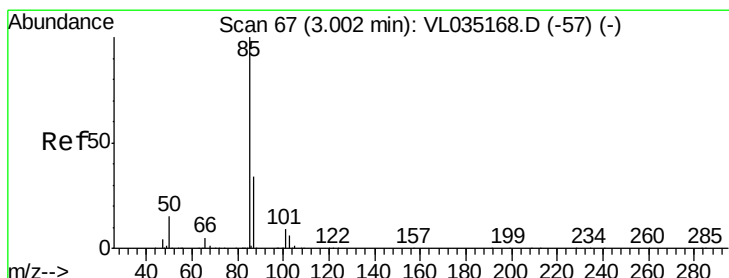
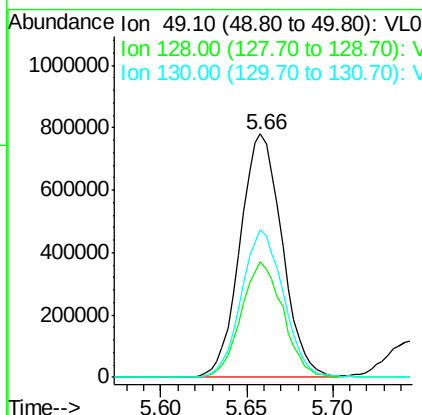
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 49 Resp: 1325338
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.4
130 61.0 29.9 89.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

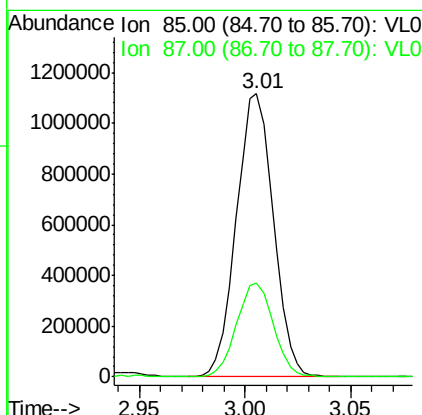
Manual Integrations
APPROVED

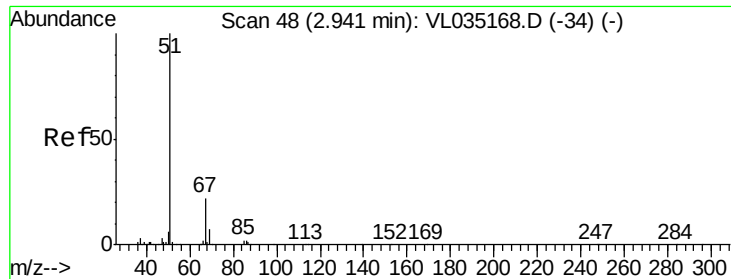
MMDadoda
7/27/2020 12:29:55 PM



#2
Dichlorodifluoromethane
Concen: 7.335 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 85 Resp: 1362432
Ion Ratio Lower Upper
85 100
87 33.1 27.0 40.6





#3

Chlorodifluoromethane

Concen: 9.423 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 1379424

Ion Ratio Lower Upper

51 100

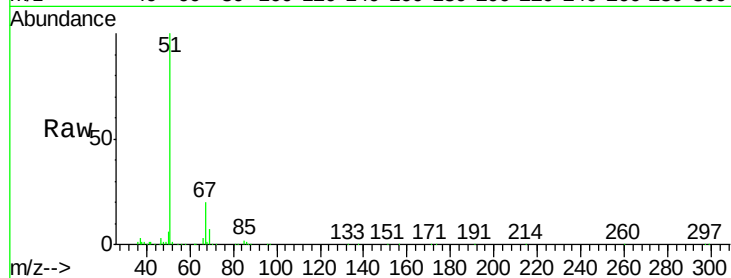
67 20.7 16.6 24.8

Manual Integrations

APPROVED

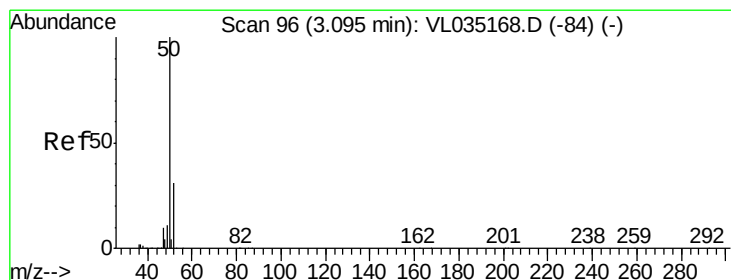
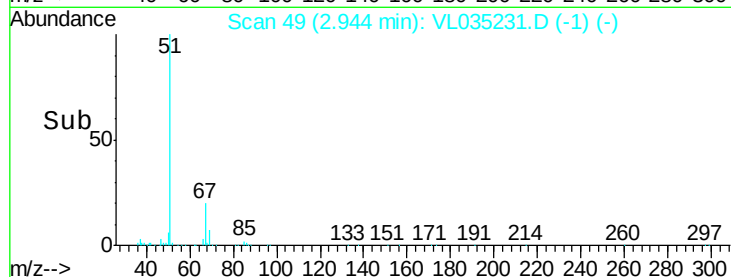
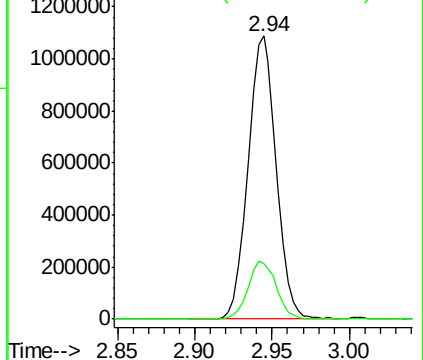
MMDadoda

7/27/2020 12:29:55 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.696 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035231.D

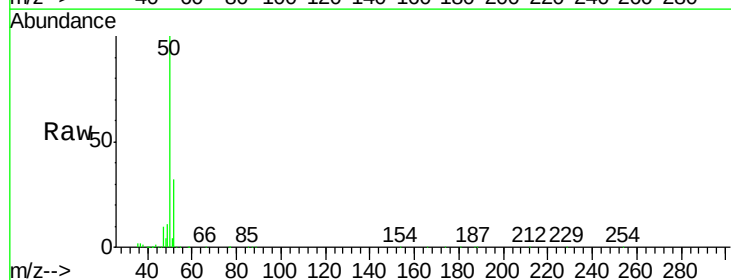
Acq: 23 Jul 2020 17:20

Tgt Ion: 50 Resp: 800043

Ion Ratio Lower Upper

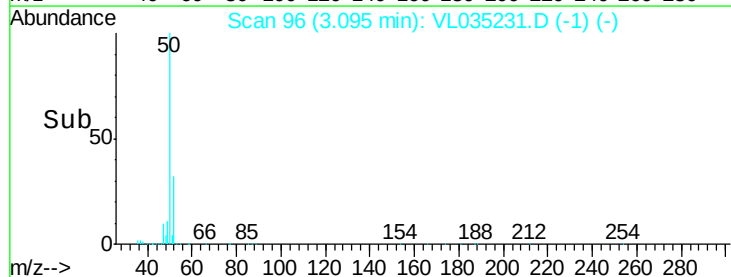
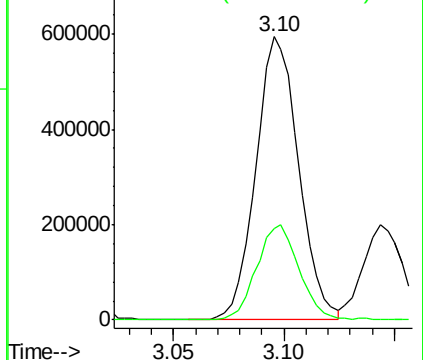
50 100

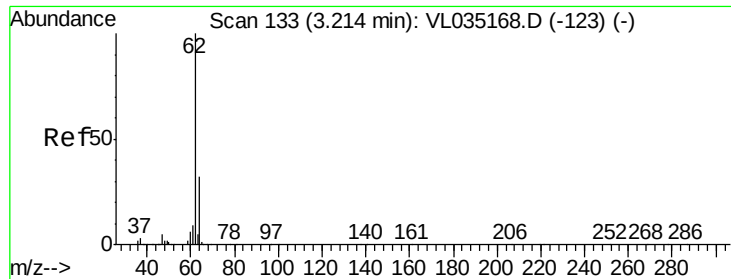
52 32.2 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.217 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 812624

Ion Ratio Lower Upper

62 100

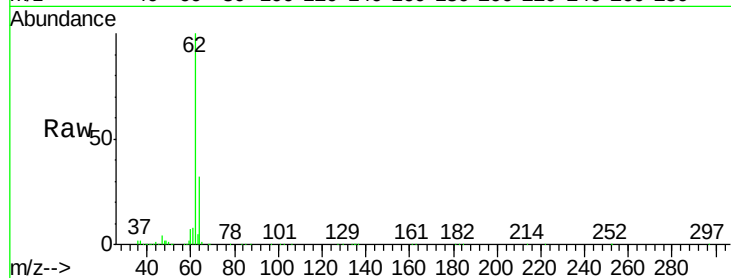
64 32.3 25.9 38.9

Manual Integrations

APPROVED

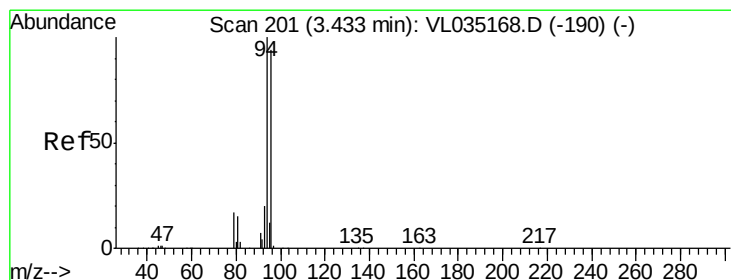
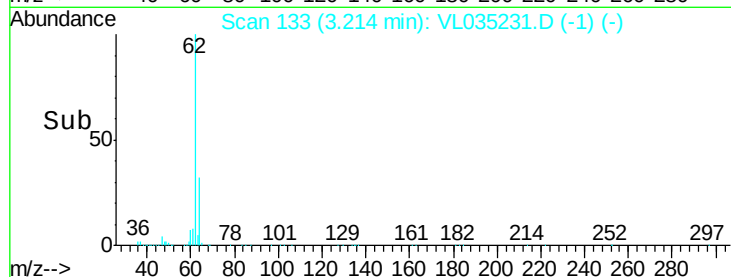
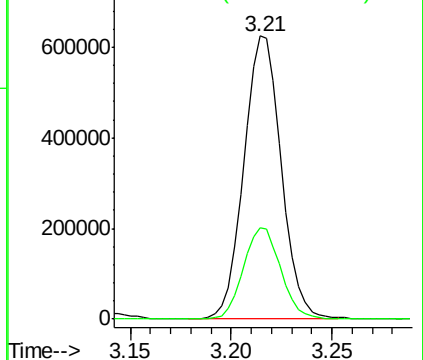
MMDadoda

7/27/2020 12:29:55 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.240 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035231.D

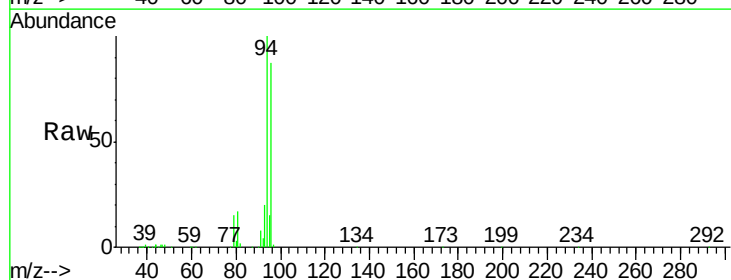
Acq: 23 Jul 2020 17:20

Tgt Ion: 94 Resp: 512432

Ion Ratio Lower Upper

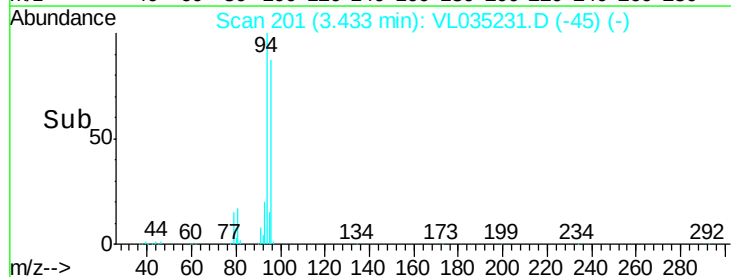
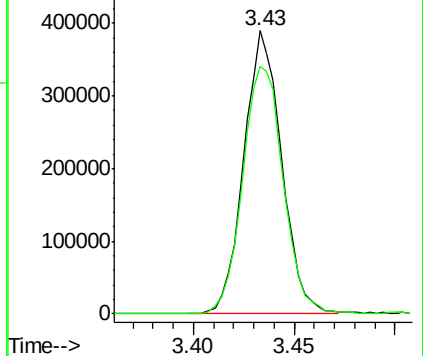
94 100

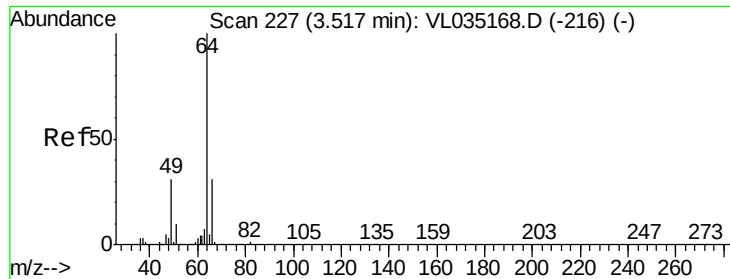
96 87.2 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.798 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 305397

Ion Ratio Lower Upper

64 100

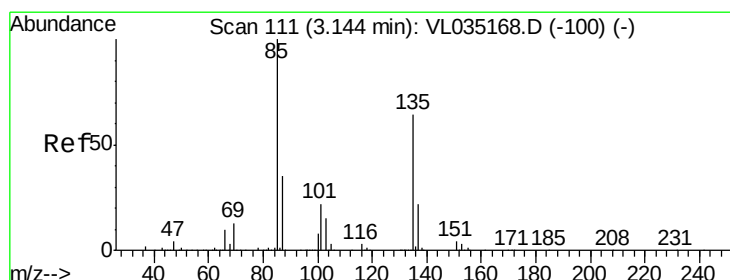
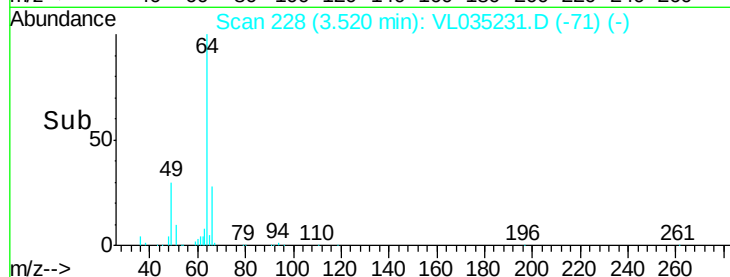
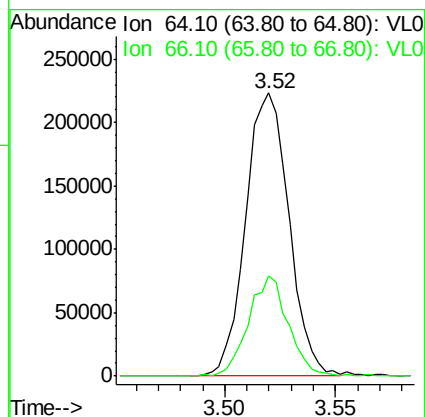
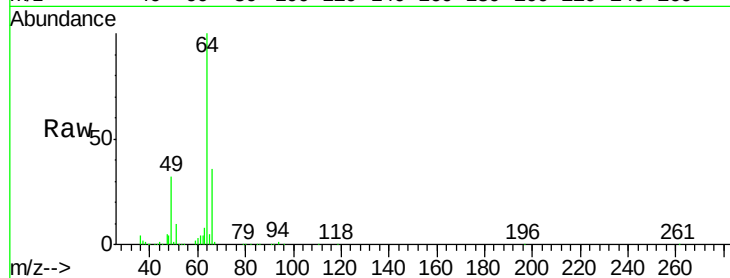
66 35.6 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM



#8

Dichlorotetrafluoroethane

Concen: 9.275 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035231.D

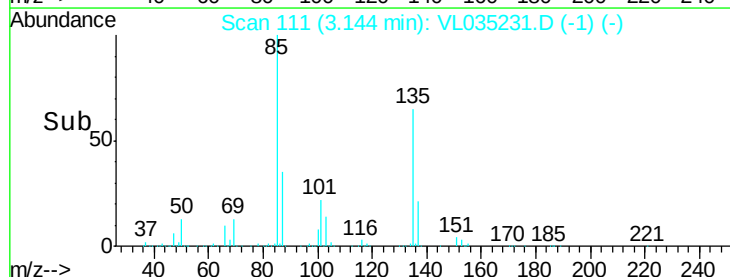
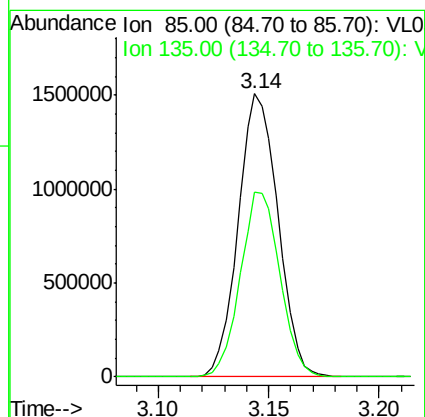
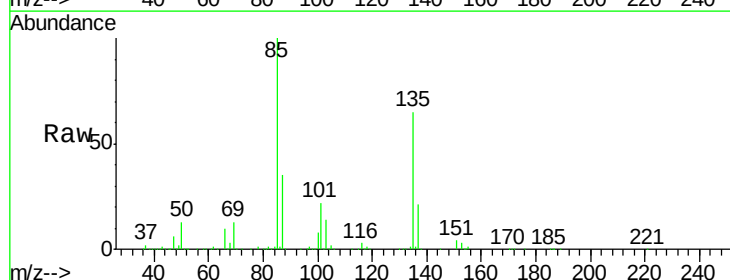
Acq: 23 Jul 2020 17:20

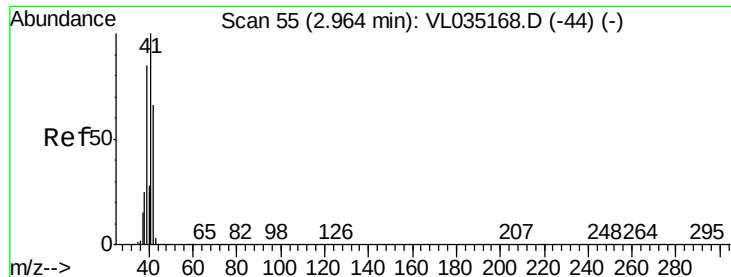
Tgt Ion: 85 Resp: 1888232

Ion Ratio Lower Upper

85 100

135 65.4 52.1 78.1





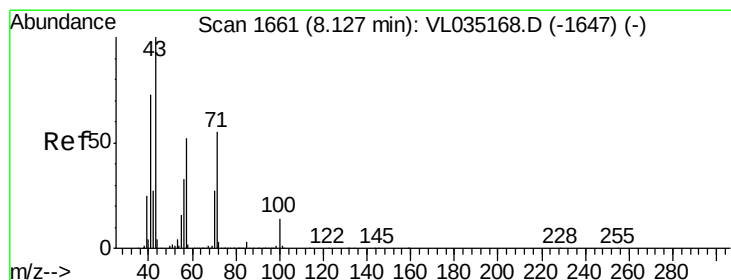
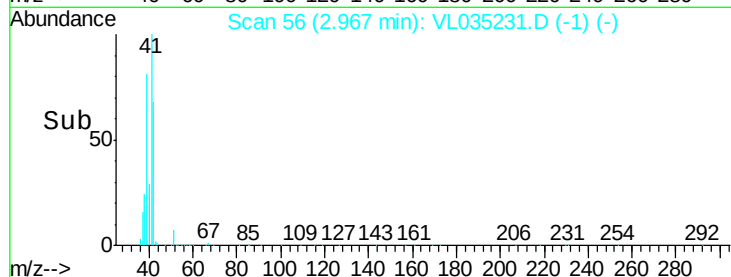
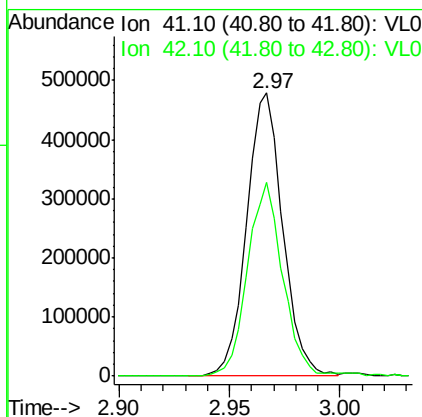
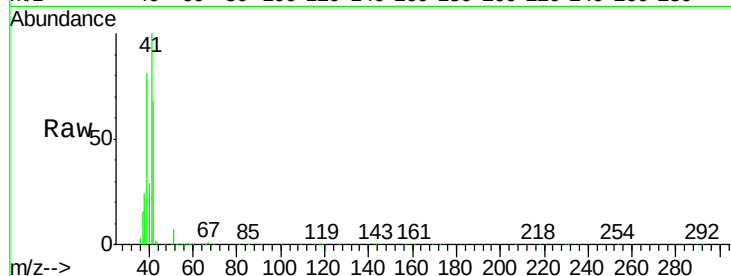
#9
 Propene
 Concen: 9.876 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 546411
 Ion Ratio Lower Upper
 41 100
 42 67.7 54.6 81.8

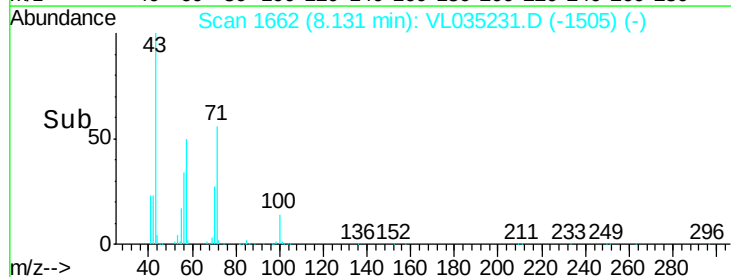
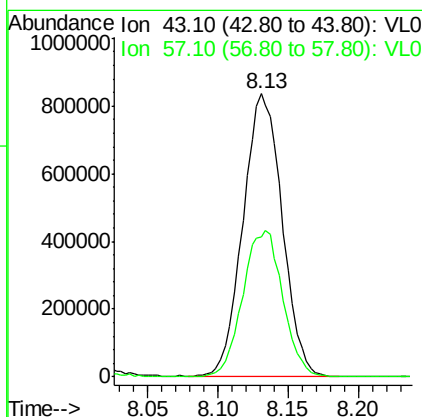
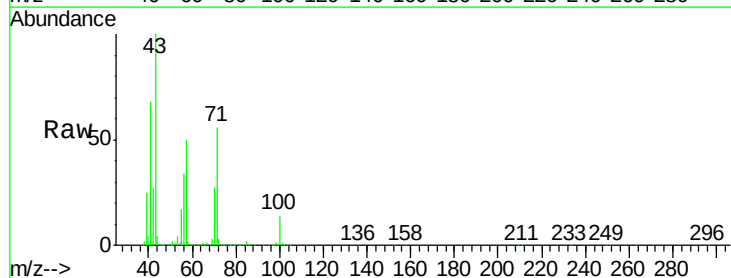
Manual Integrations
 APPROVED

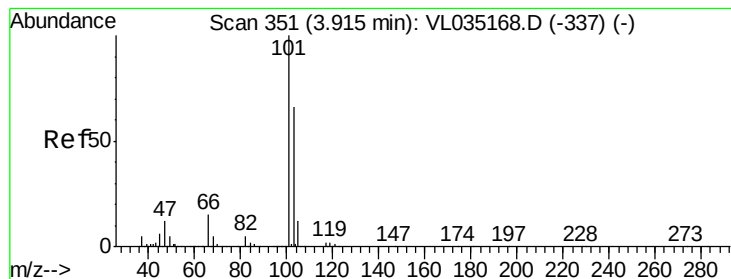
MMDadoda
 7/27/2020 12:29:55 PM



#10
 Heptane
 Concen: 11.409 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 43 Resp: 1620452
 Ion Ratio Lower Upper
 43 100
 57 53.1 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.833 ppbv

RT: 3.92 min Scan# 351

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 2062526

Ion Ratio Lower Upper

101 100

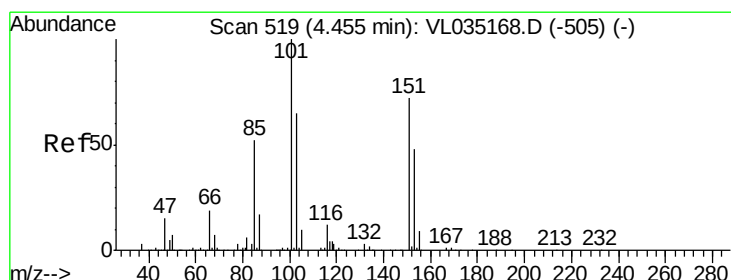
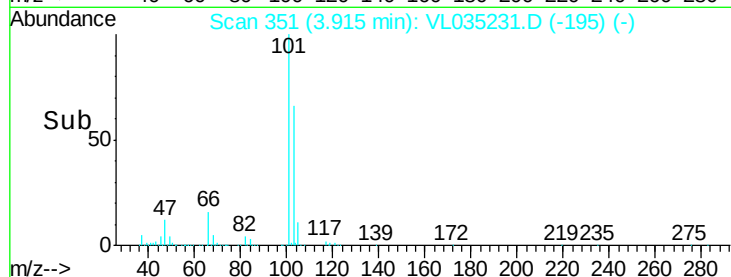
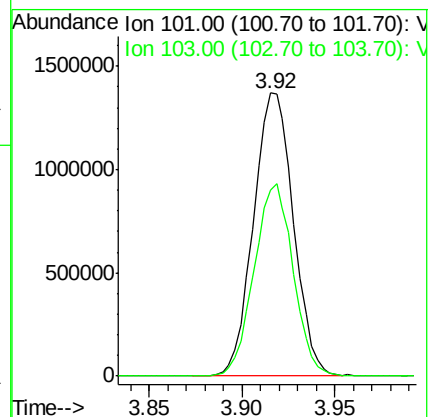
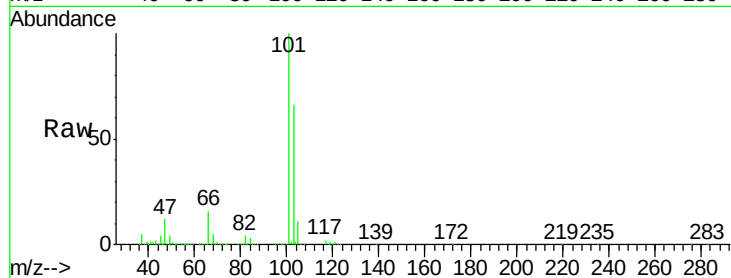
103 65.7 53.1 79.7

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.723 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL035231.D

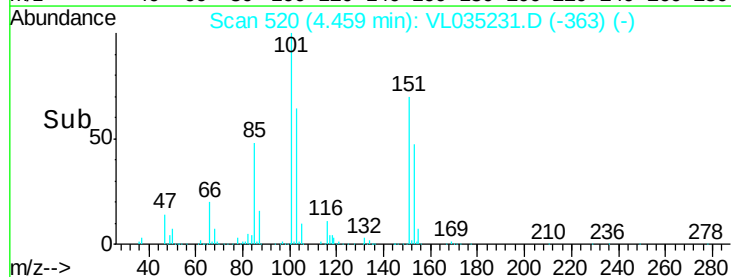
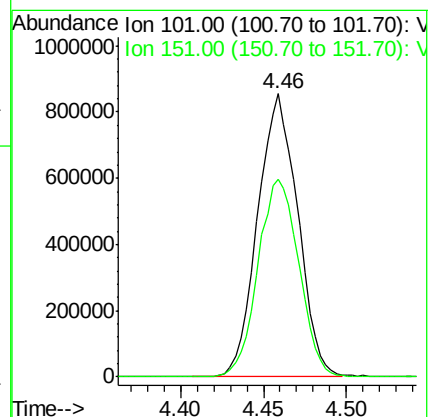
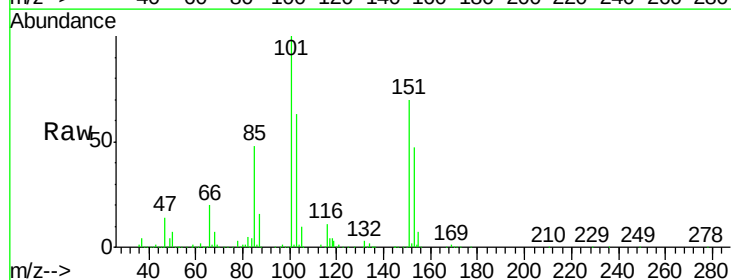
Acq: 23 Jul 2020 17:20

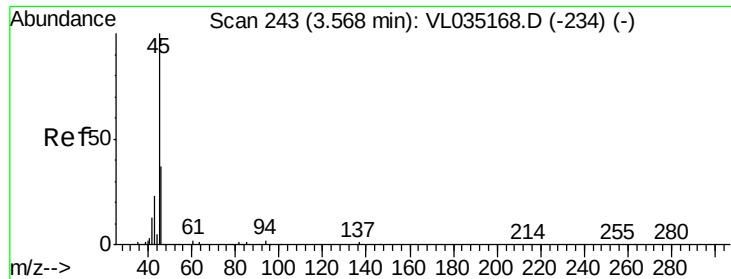
Tgt Ion:101 Resp: 1432234

Ion Ratio Lower Upper

101 100

151 71.6 57.0 85.4





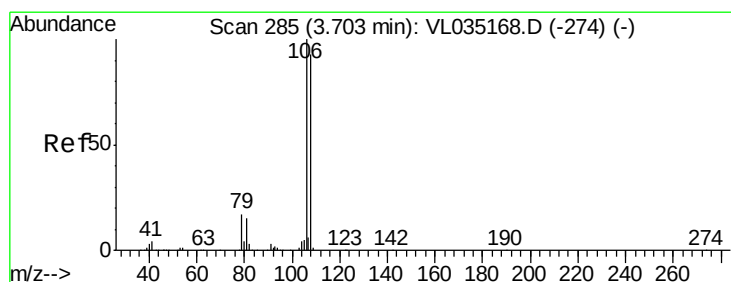
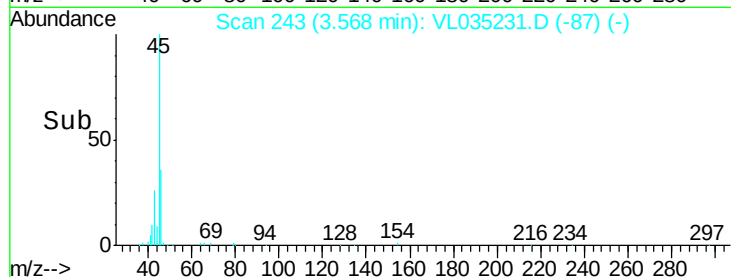
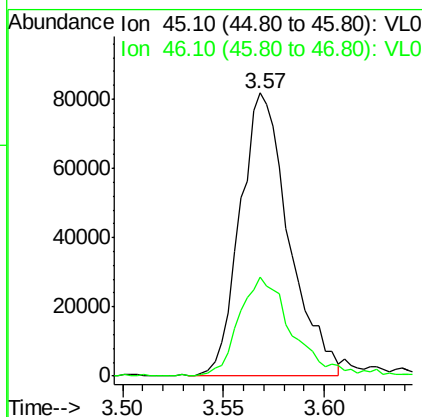
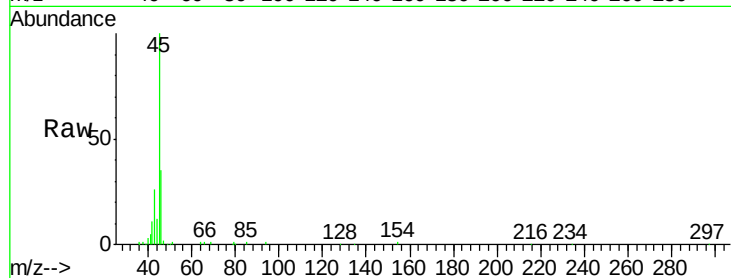
#13
Ethanol
Concen: 7.833 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 137981
Ion Ratio Lower Upper
45 100
46 39.2 16.2 65.0

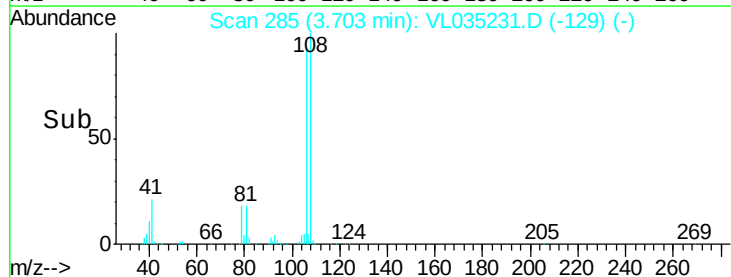
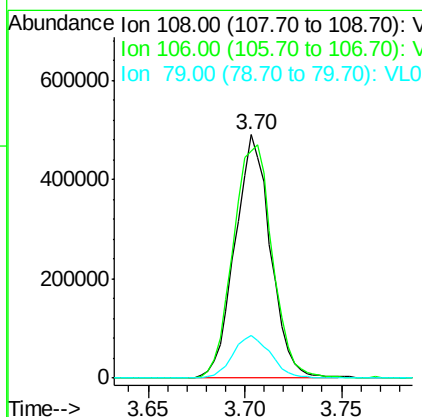
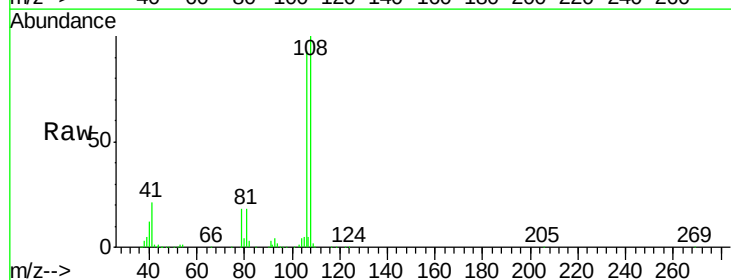
Manual Integrations
APPROVED

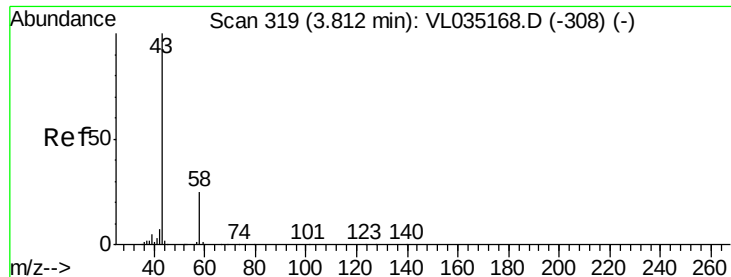
MMDadoda
7/27/2020 12:29:55 PM



#14
Bromoethene
Concen: 10.331 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 108 Resp: 626283
Ion Ratio Lower Upper
108 100
106 106.6 86.2 129.2
79 18.6 15.0 22.6





#15

Acetone

Concen: 8.801 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1579224

Ion Ratio Lower Upper

43 100

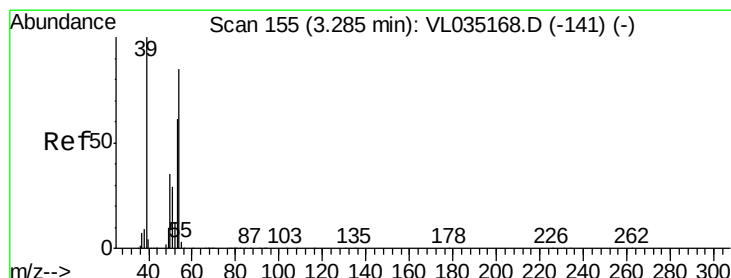
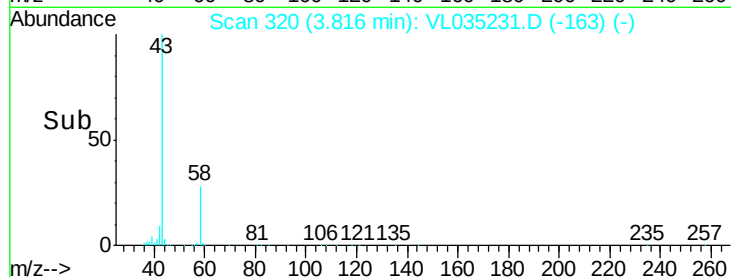
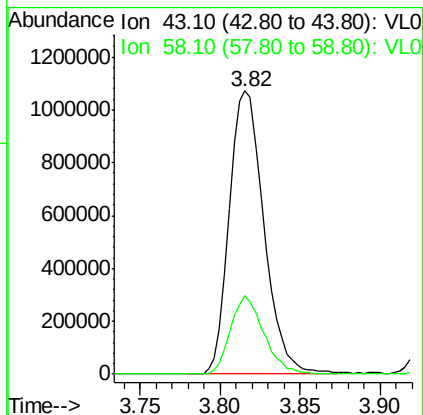
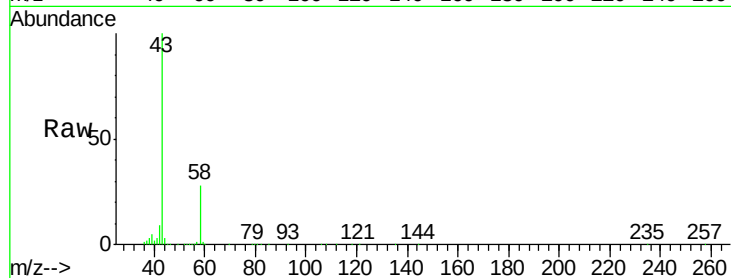
58 26.9 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM



#16

1,3-Butadiene

Concen: 10.606 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035231.D

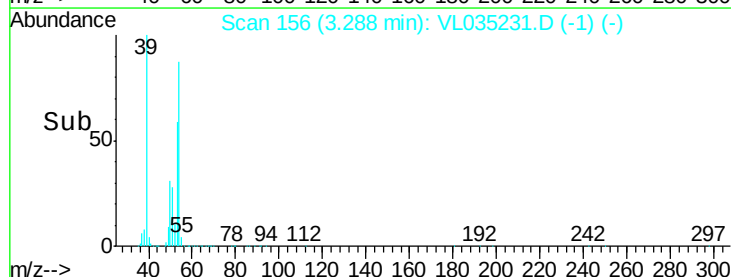
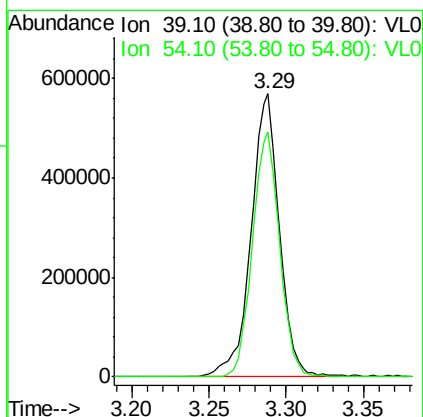
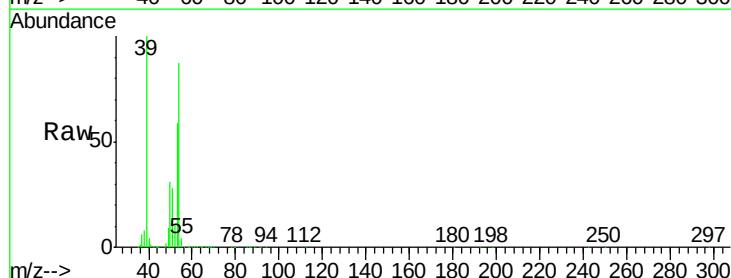
Acq: 23 Jul 2020 17:20

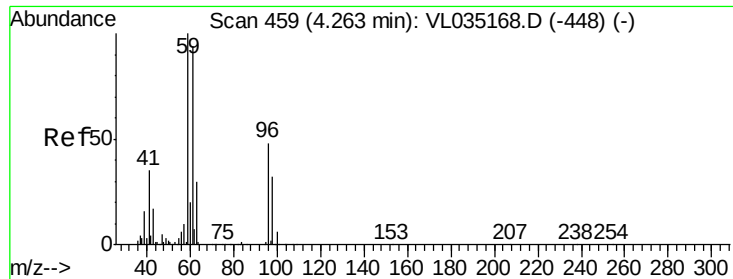
Tgt Ion: 39 Resp: 730459

Ion Ratio Lower Upper

39 100

54 83.3 67.2 100.8





#17

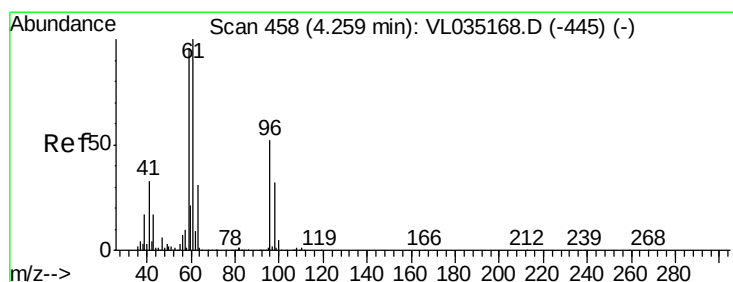
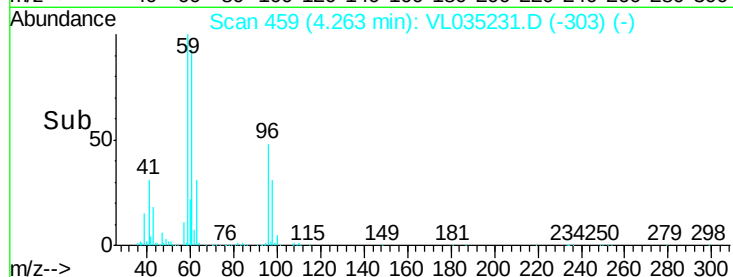
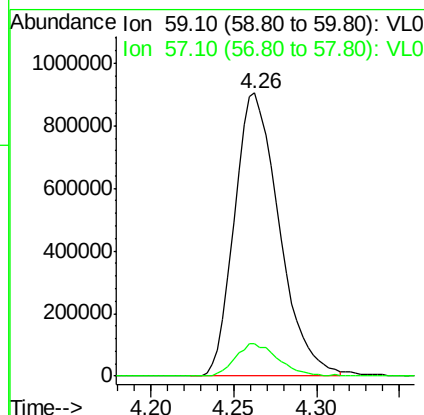
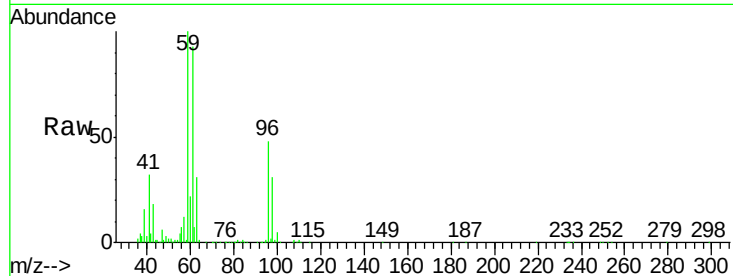
tert-Butyl alcohol
Concen: 10.740 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1705121
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8

Manual Integrations
APPROVED

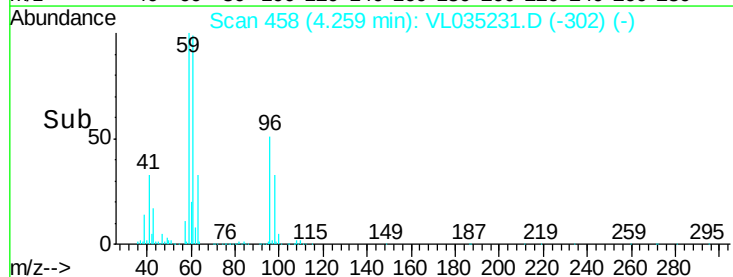
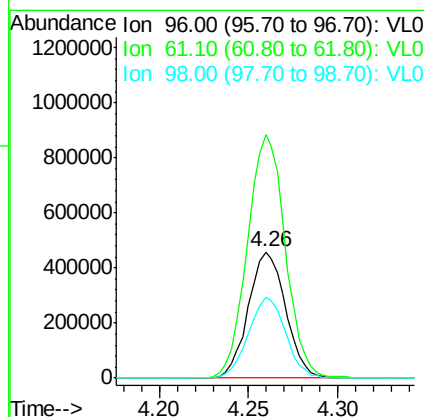
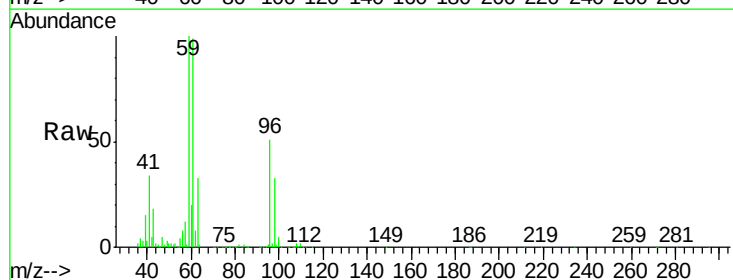
MMDadoda
7/27/2020 12:29:55 PM

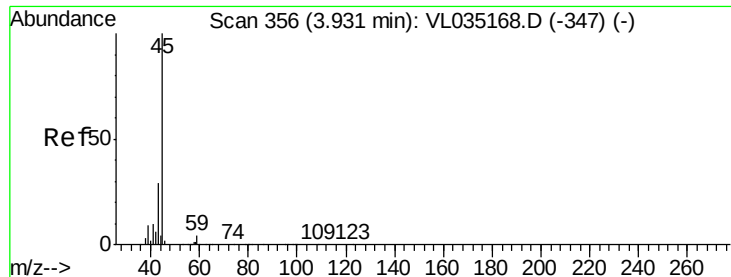


#18

1,1-Dichloroethene
Concen: 10.272 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 96 Resp: 669926
Ion Ratio Lower Upper
96 100
61 192.9 152.9 229.3
98 64.2 48.7 73.1





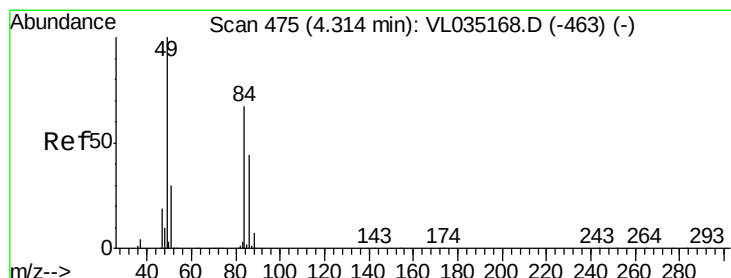
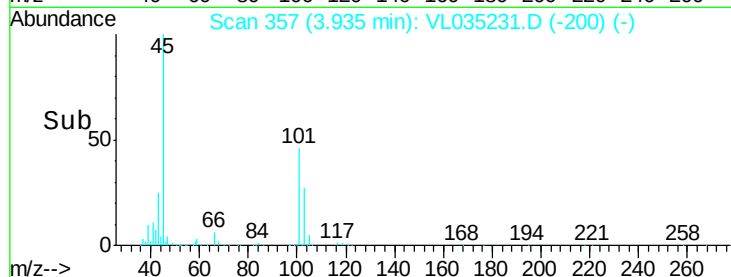
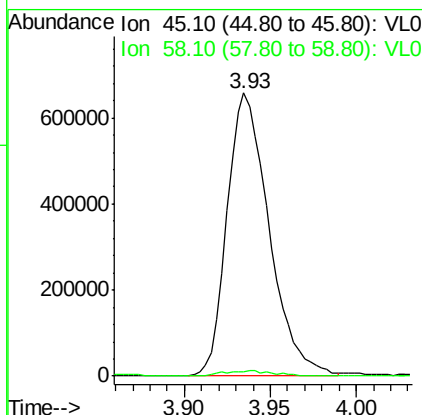
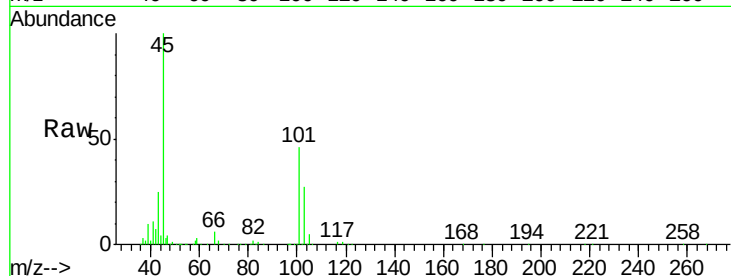
#19
Isopropyl Alcohol
Concen: 10.273 ppbv
RT: 3.93 min Scan# 357
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 1111997
Ion Ratio Lower Upper
45 100
58 2.6 2.1 3.1

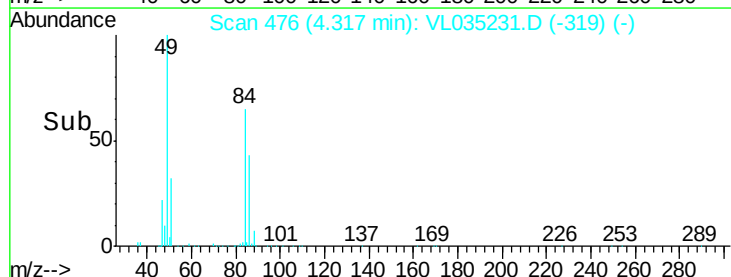
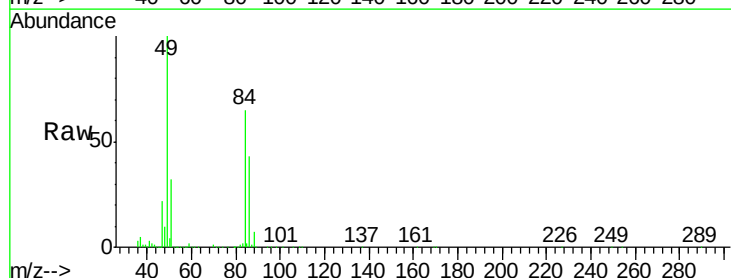
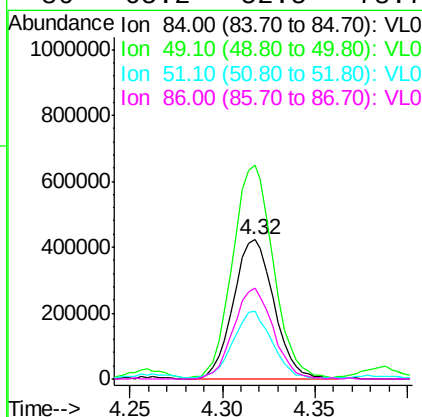
Manual Integrations
APPROVED

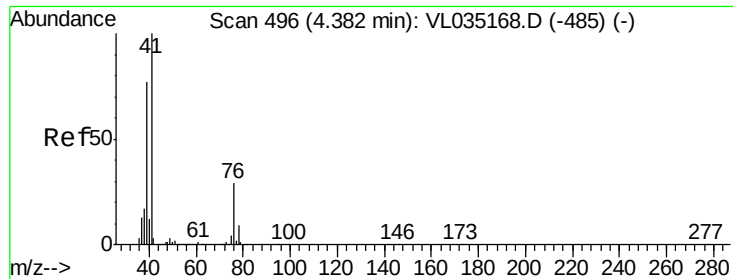
MMDadoda
7/27/2020 12:29:55 PM



#20
Methylene Chloride
Concen: 8.142 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 84 Resp: 635680
Ion Ratio Lower Upper
84 100
49 152.8 119.4 179.0
51 47.8 36.6 55.0
86 65.2 52.5 78.7





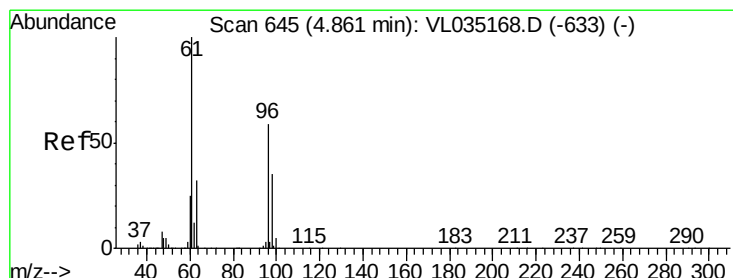
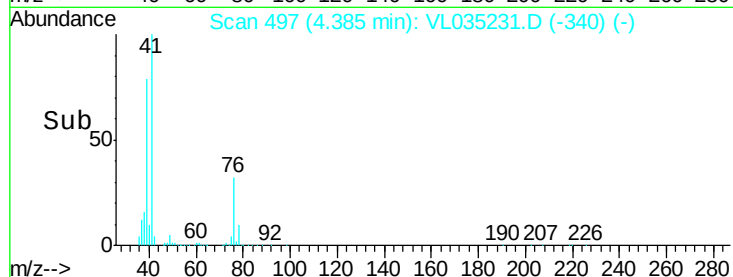
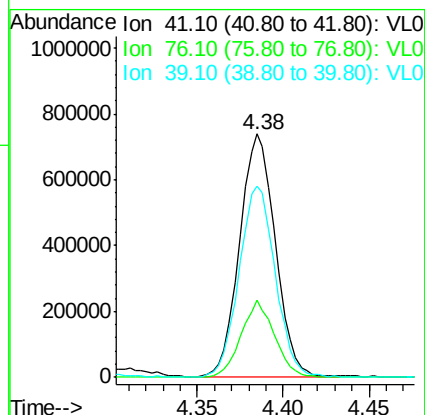
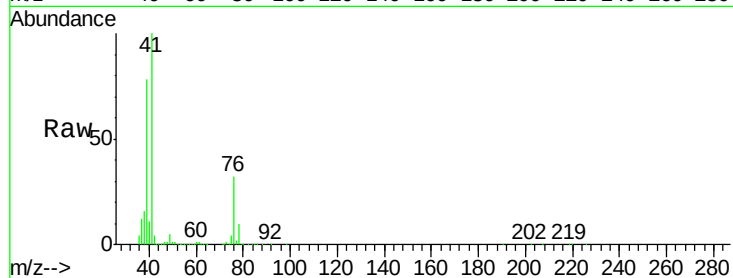
#21
 Allyl Chloride
 Concen: 10.119 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 1056825
 Ion Ratio Lower Upper
 41 100
 76 29.9 23.5 35.3
 39 80.6 63.4 95.0

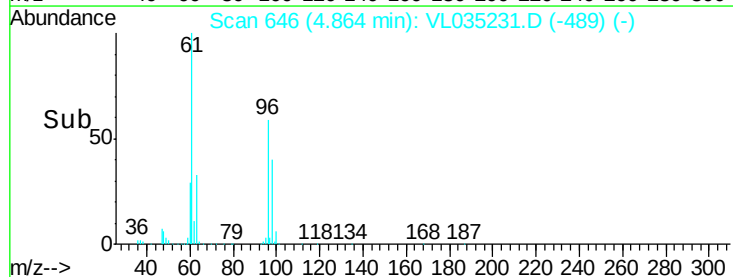
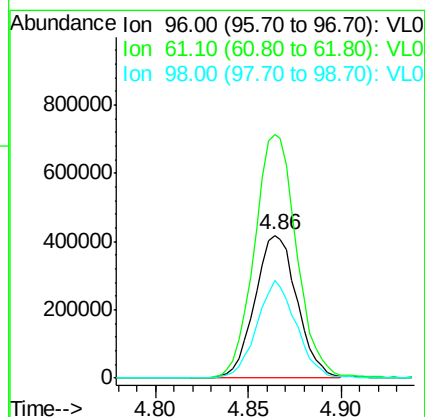
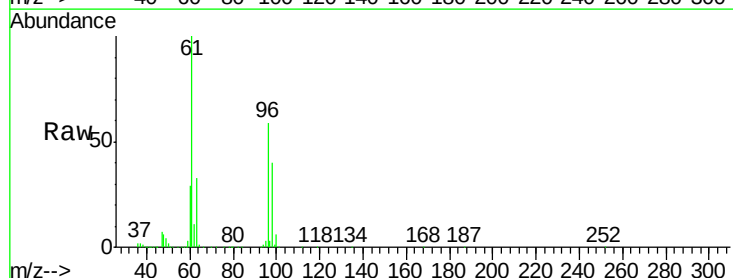
Manual Integrations
 APPROVED

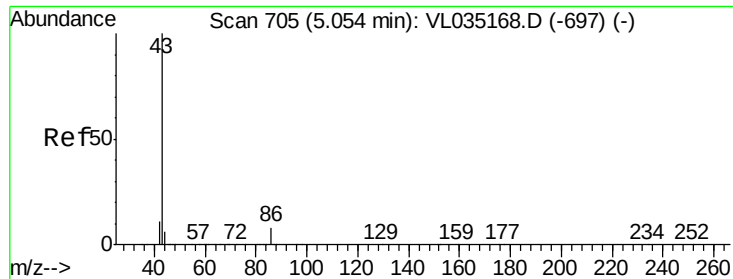
MMDadoda
 7/27/2020 12:29:55 PM



#22
 trans-1,2-Dichloroethene
 Concen: 10.162 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 96 Resp: 661668
 Ion Ratio Lower Upper
 96 100
 61 170.7 136.5 204.7
 98 68.6 47.5 71.3





#23

Vinyl Acetate

Concen: 10.313 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2003048

Ion Ratio Lower Upper

43 100

86 7.6 6.2 9.2

42 10.4 9.1 13.7

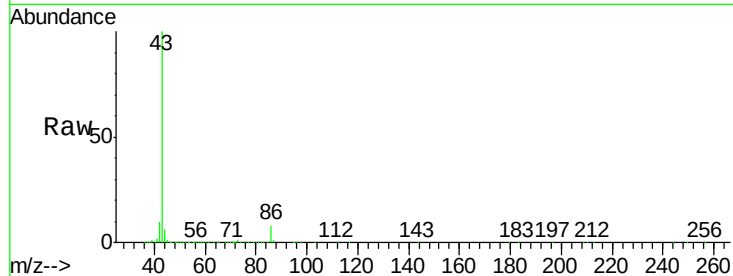
44 5.5 4.6 6.8

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM

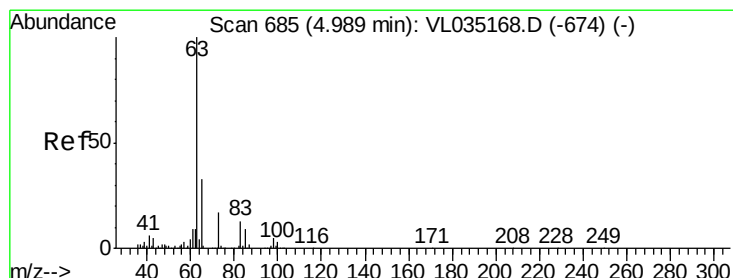
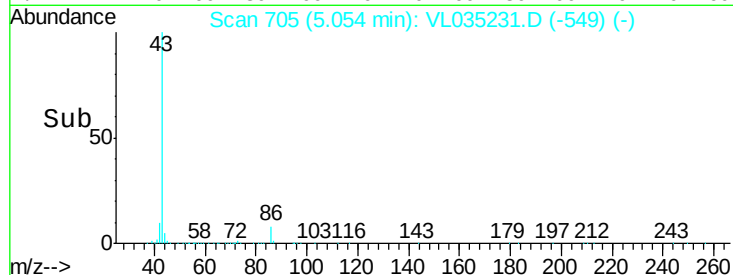
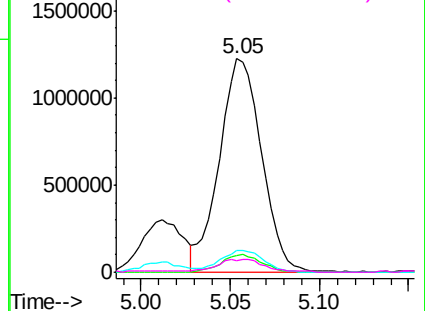


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.839 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

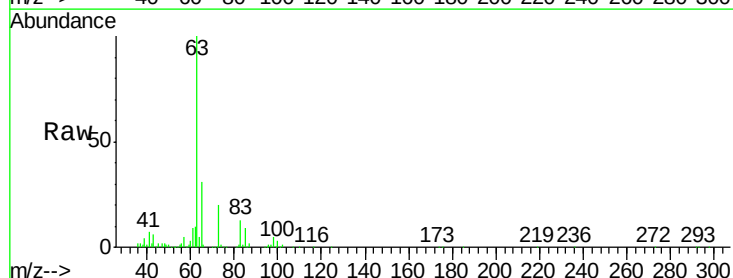
Tgt Ion: 63 Resp: 1641088

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

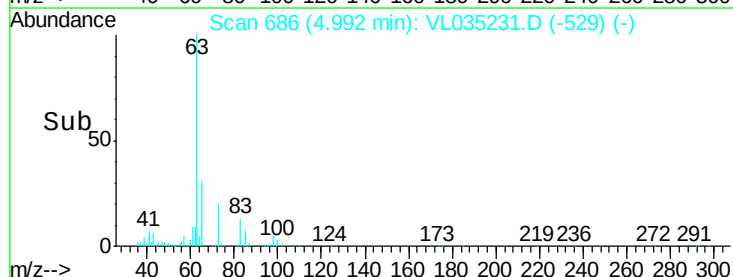
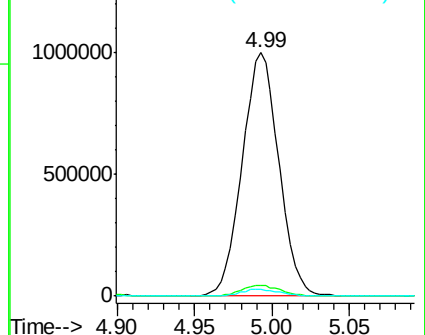
100 2.6 1.4 4.0

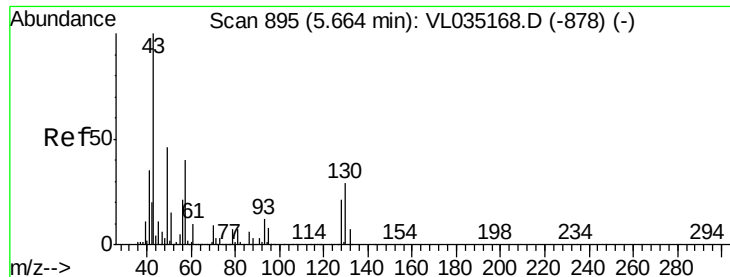


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.169 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2831427

Ion Ratio Lower Upper

43 100

45 10.2 8.5 12.7

61 10.0 8.1 12.1

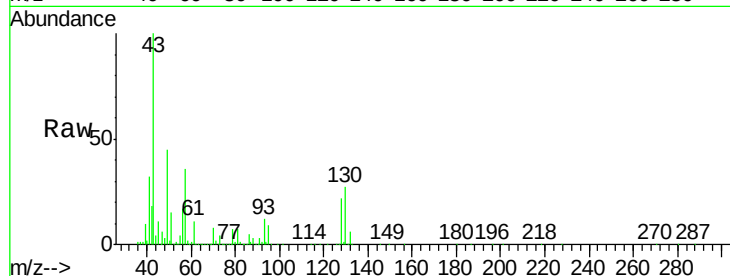
70 7.8 6.3 9.5

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM

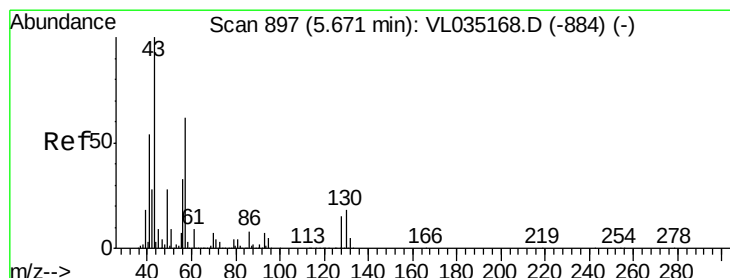
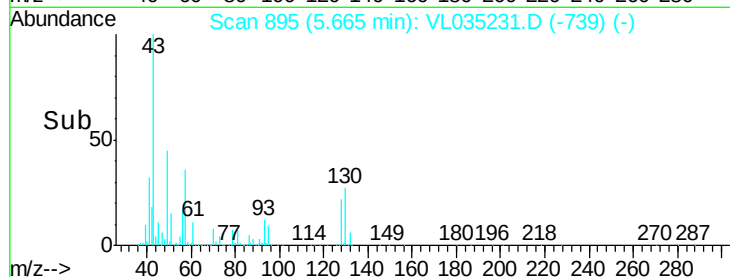
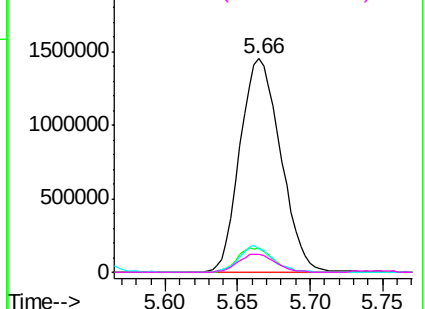


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.573 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion: 57 Resp: 1298076

Ion Ratio Lower Upper

57 100

41 91.1 72.9 109.3

43 219.6 179.5 269.3

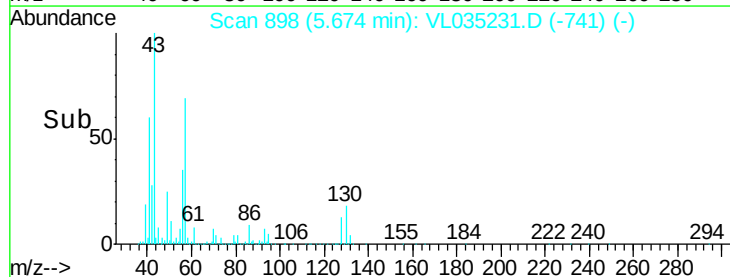
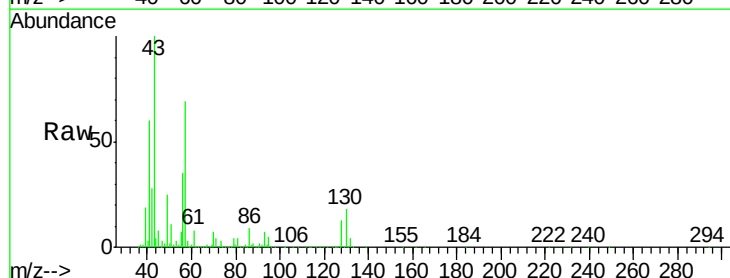
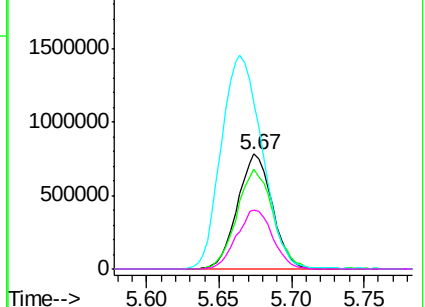
56 53.2 42.9 64.3

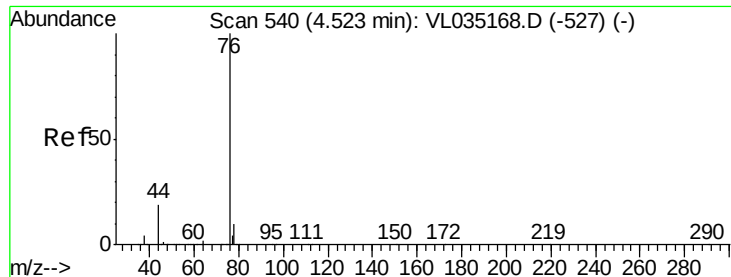
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.301 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1765921

Ion Ratio Lower Upper

76 100

44 18.2 14.9 22.3

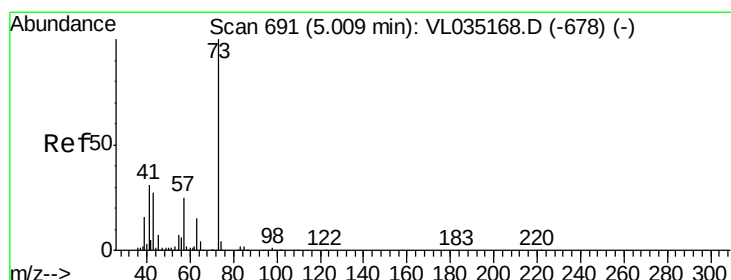
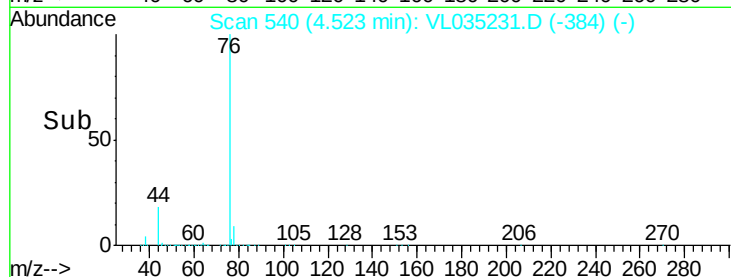
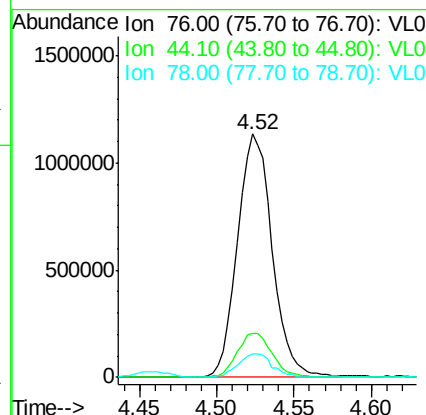
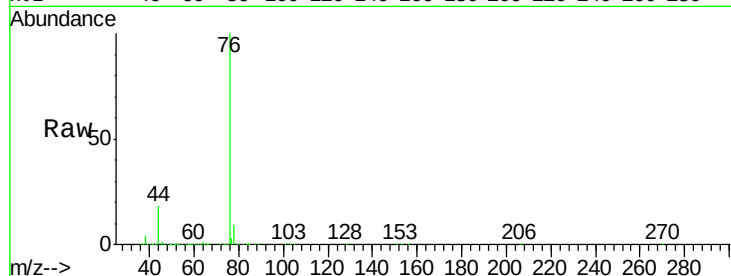
78 9.4 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM



#28

Methyl tert-Butyl Ether

Concen: 10.407 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL035231.D

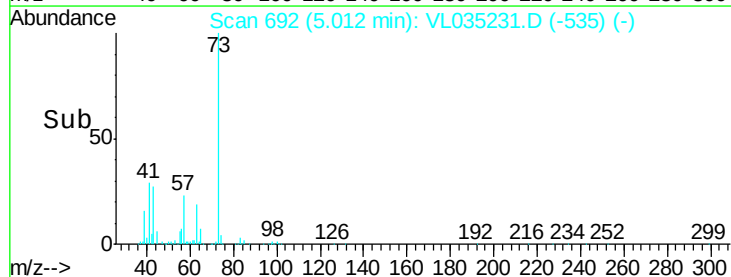
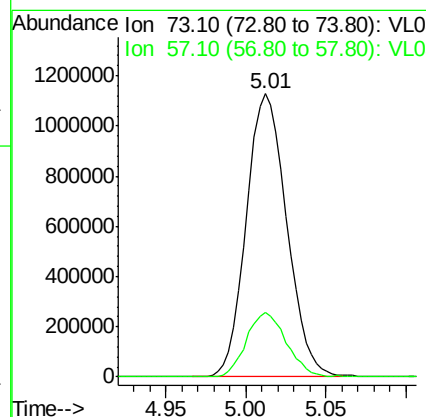
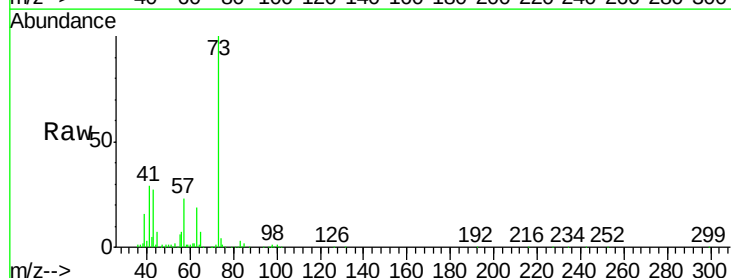
Acq: 23 Jul 2020 17:20

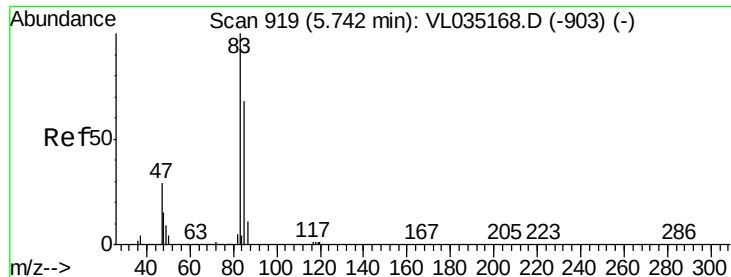
Tgt Ion: 73 Resp: 1946668

Ion Ratio Lower Upper

73 100

57 22.7 18.1 27.1





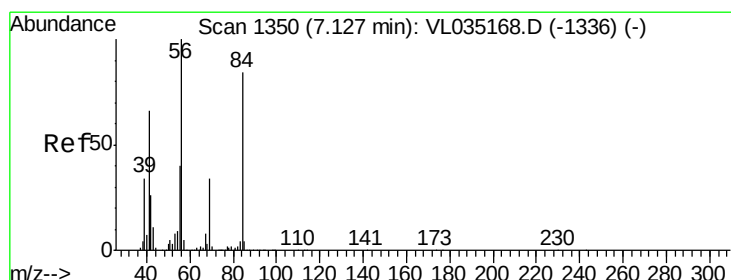
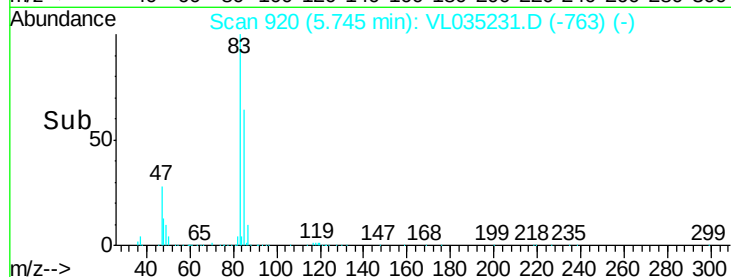
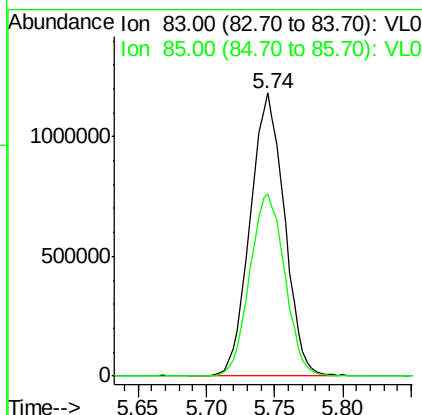
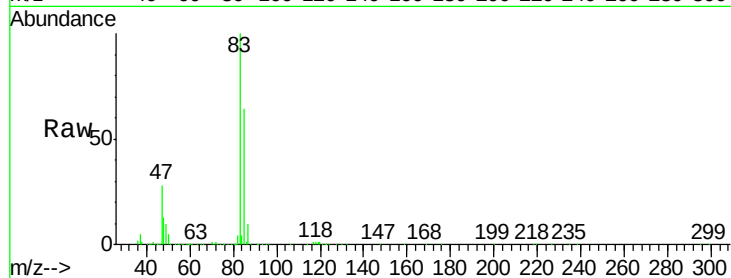
#29
Chloroform
Concen: 10.034 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2065241
Ion Ratio Lower Upper
83 100
85 64.1 54.3 81.5

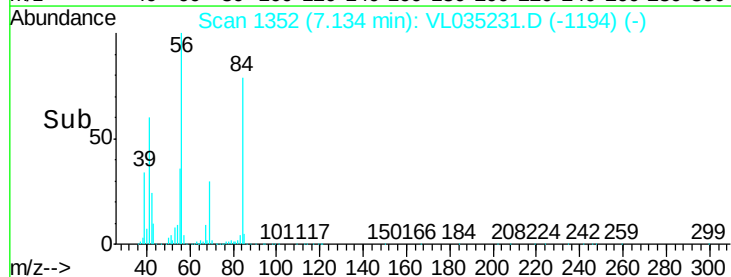
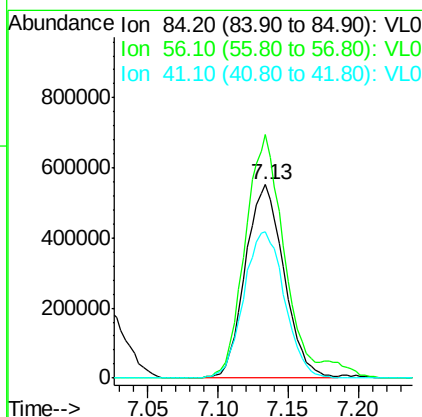
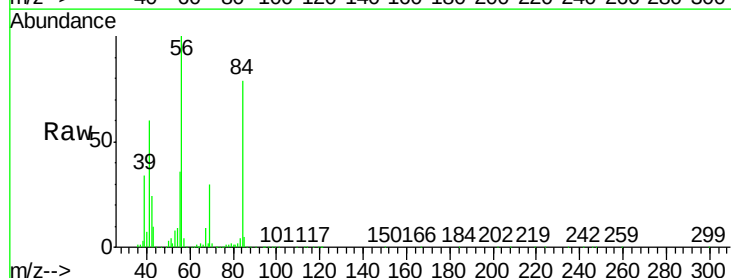
Manual Integrations
APPROVED

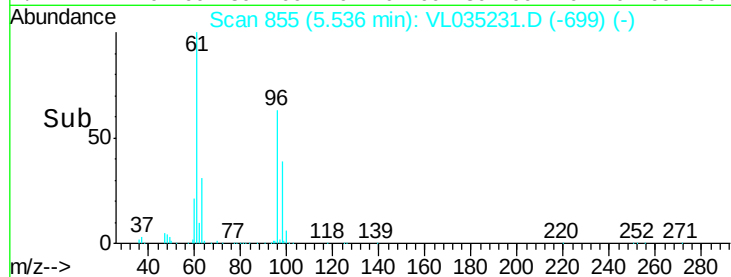
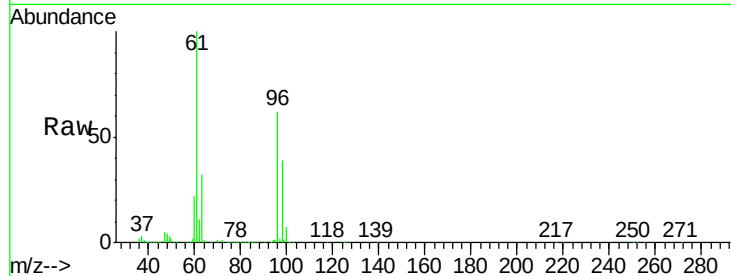
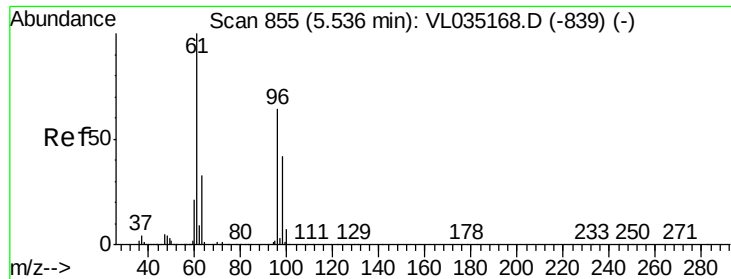
MMDadoda
7/27/2020 12:29:55 PM



#30
Cyclohexane
Concen: 11.725 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 84 Resp: 1065111
Ion Ratio Lower Upper
84 100
56 130.8 105.6 158.4
41 79.4 64.9 97.3





#31

cis-1,2-Dichloroethene

Concen: 10.741 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.4	51.3	76.9
98	39.1	33.8	50.8

Instrument :

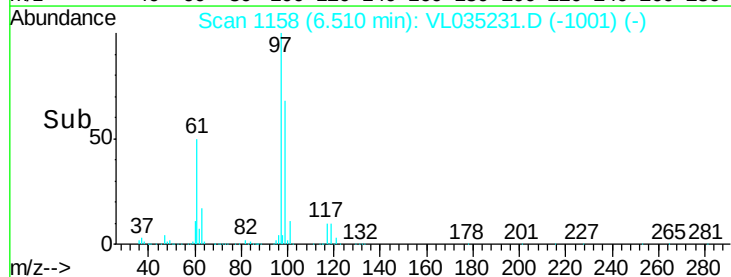
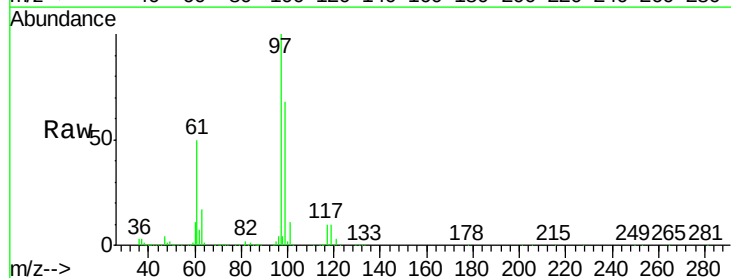
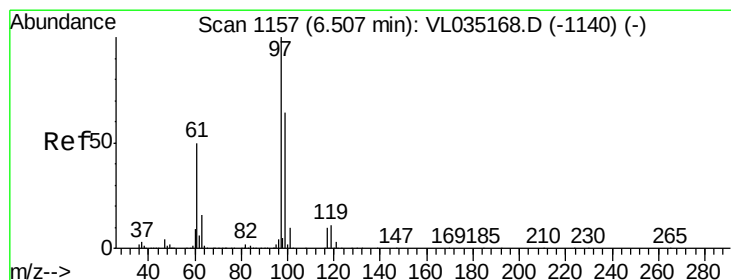
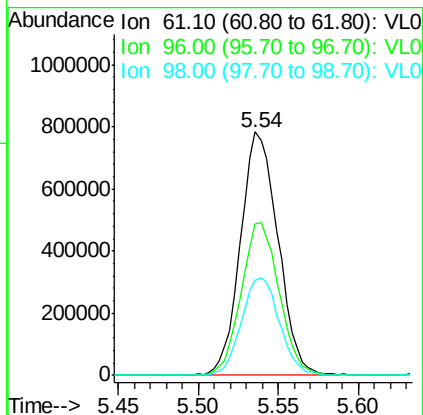
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
APPROVED

MMDadoda
7/27/2020 12:29:55 PM



#32

1,1,1-Trichloroethane

Concen: 9.864 ppbv

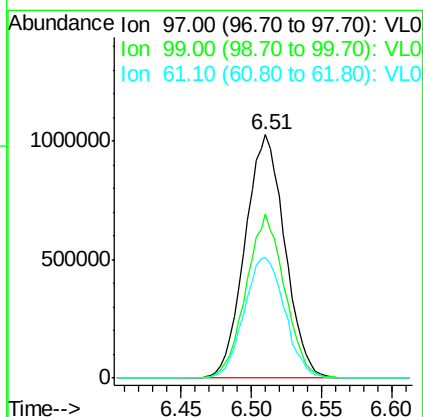
RT: 6.51 min Scan# 1158

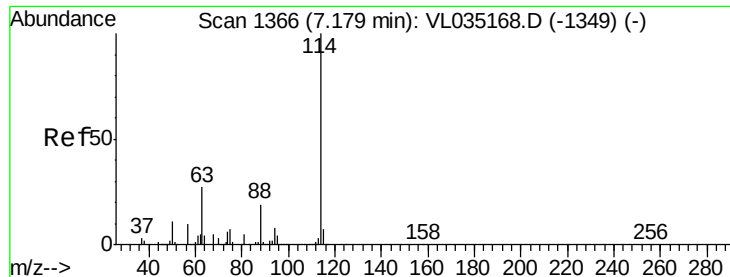
Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.2	76.8
61	50.7	40.9	61.3





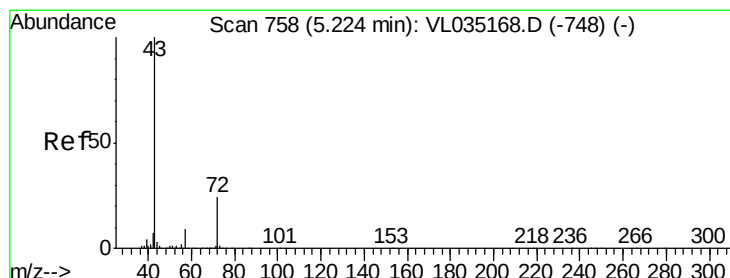
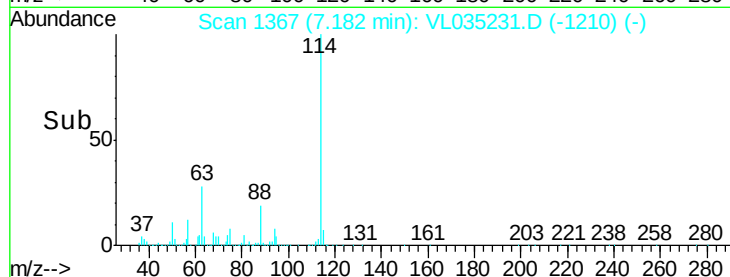
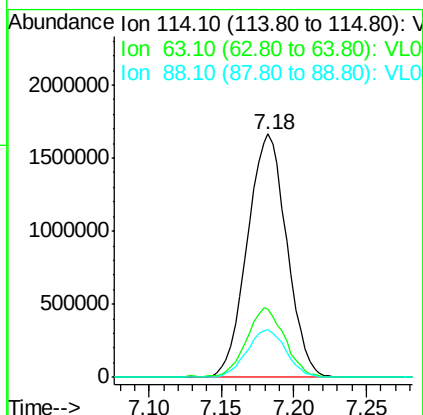
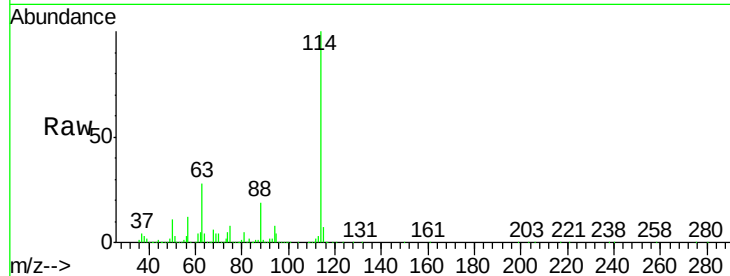
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 3150605
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.0 33.0
 88 19.5 15.4 23.0

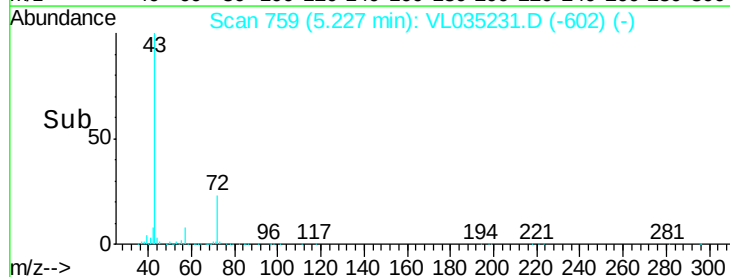
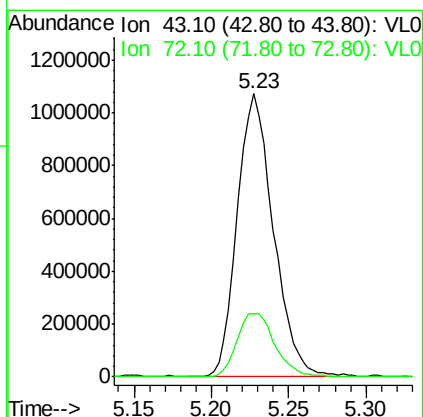
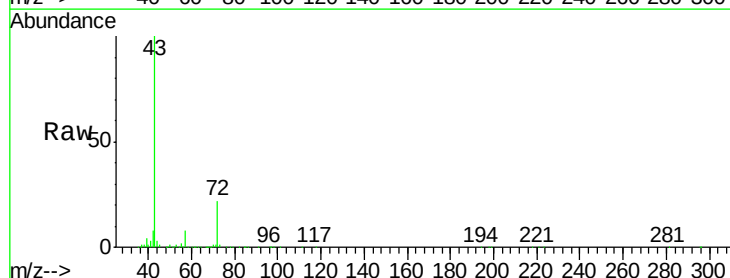
Manual Integrations
 APPROVED

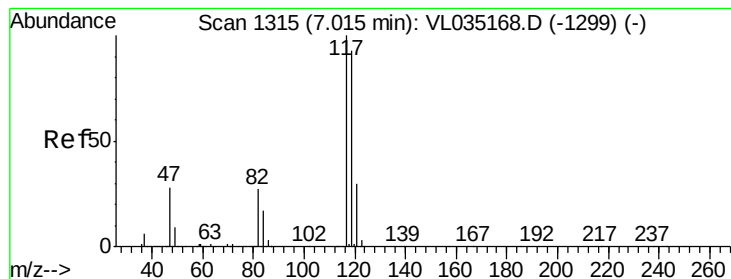
MMDadoda
 7/27/2020 12:29:55 PM



#34
 2-Butanone
 Concen: 10.330 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 43 Resp: 1737150
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.6 28.0





#35

Carbon Tetrachloride

Concen: 10.323 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

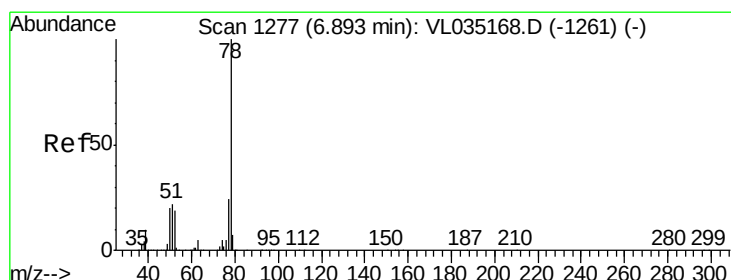
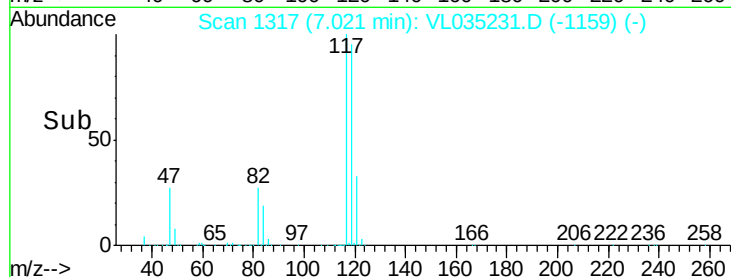
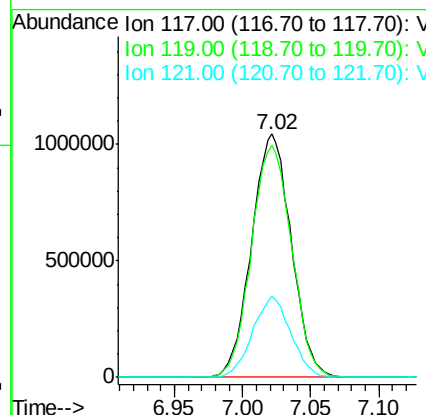
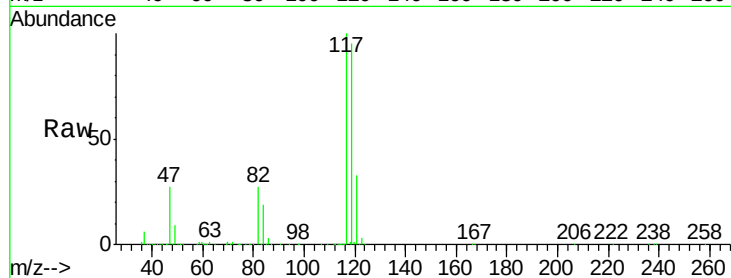
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	117	Resp:	2111127
Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.8	112.2
121	33.1	24.2	36.2

Manual Integrations
APPROVED

MMDadoda
7/27/2020 12:29:55 PM



#36

Benzene

Concen: 10.832 ppbv

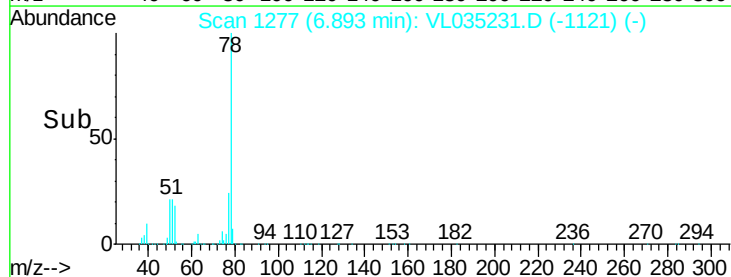
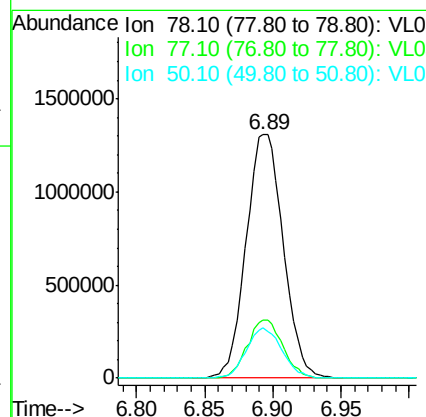
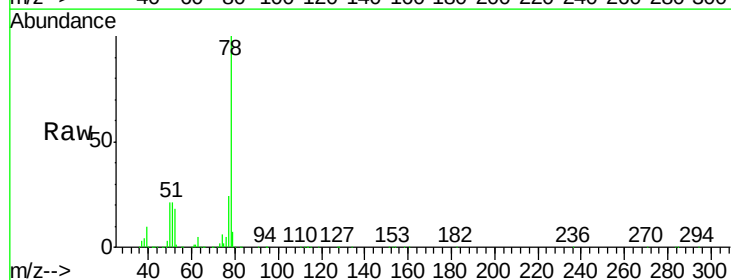
RT: 6.89 min Scan# 1277

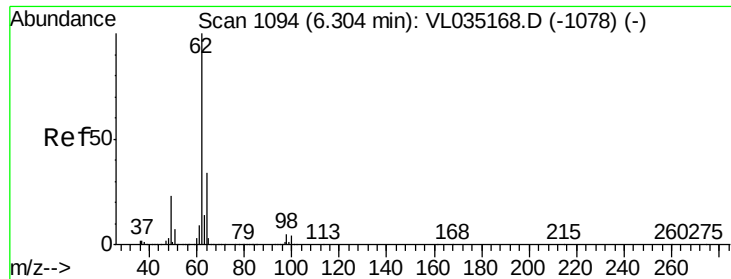
Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion:	78	Resp:	2469882
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9
50	20.7	16.0	24.0





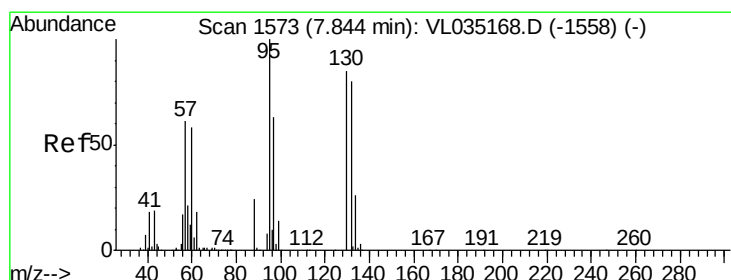
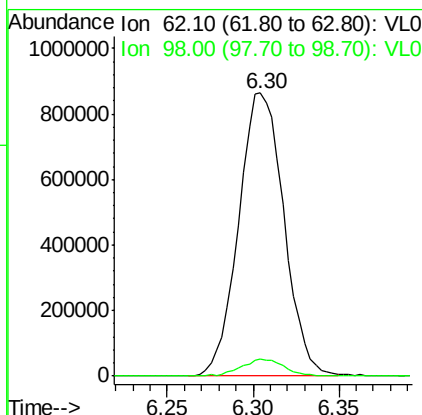
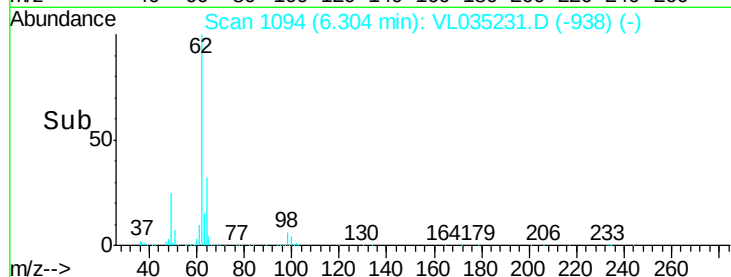
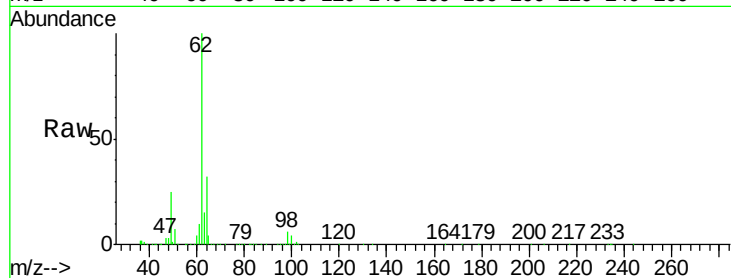
#37
1,2-Dichloroethane
Concen: 10.312 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1578008
Ion Ratio Lower Upper
62 100
98 5.8 4.6 6.8

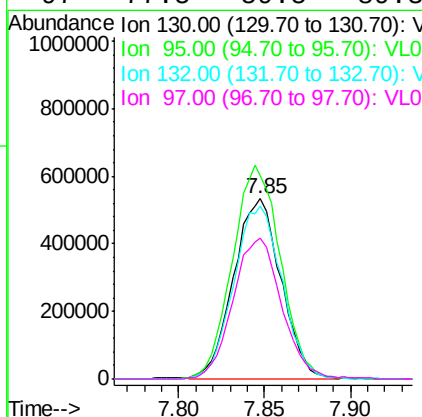
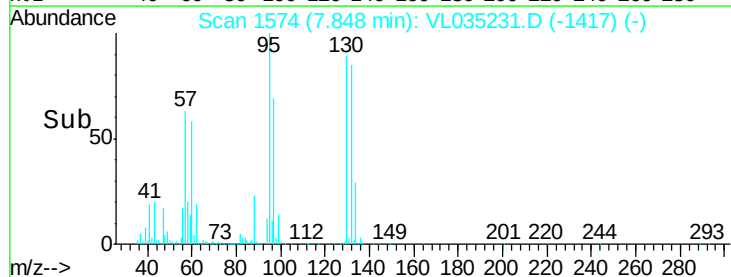
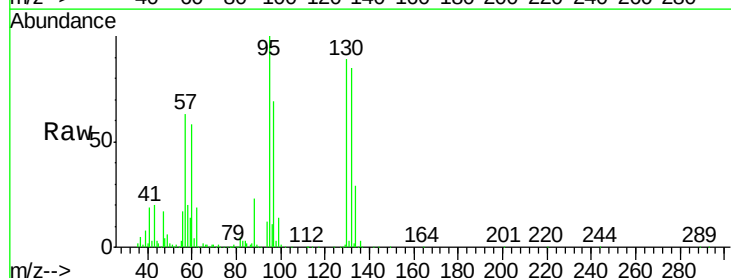
Manual Integrations
APPROVED

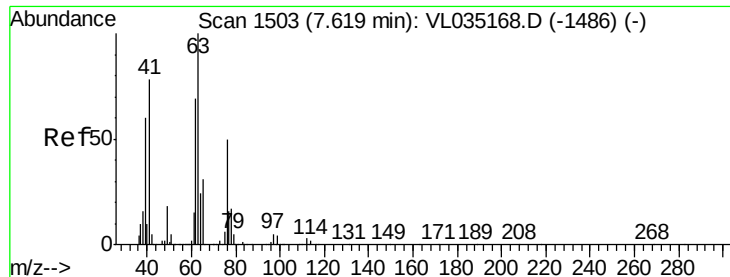
MMDadoda
7/27/2020 12:29:55 PM



#38
Trichloroethene
Concen: 10.916 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 130 Resp: 1014290
Ion Ratio Lower Upper
130 100
95 112.4 93.8 140.8
132 95.9 75.0 112.4
97 77.5 59.5 89.3





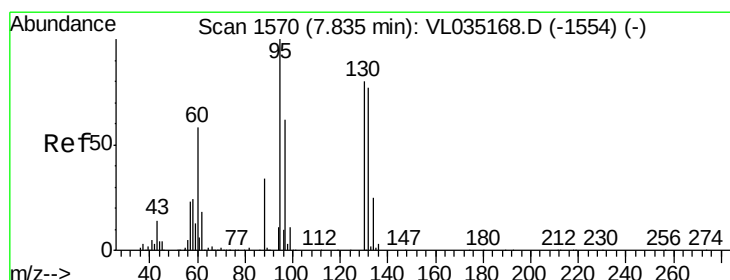
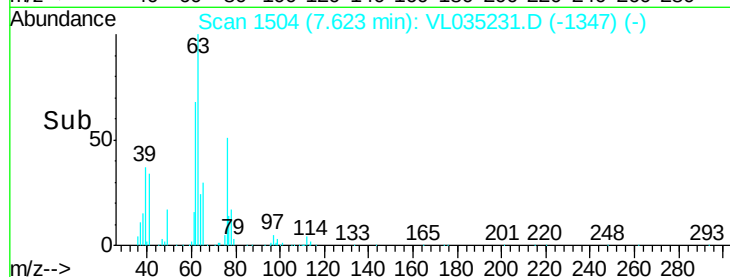
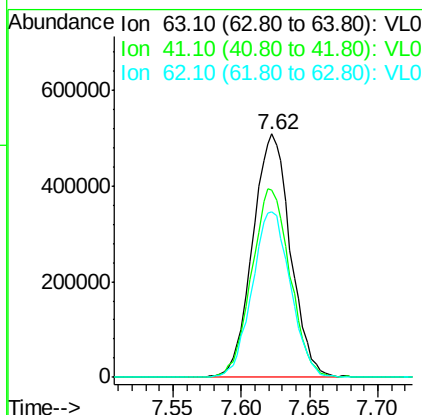
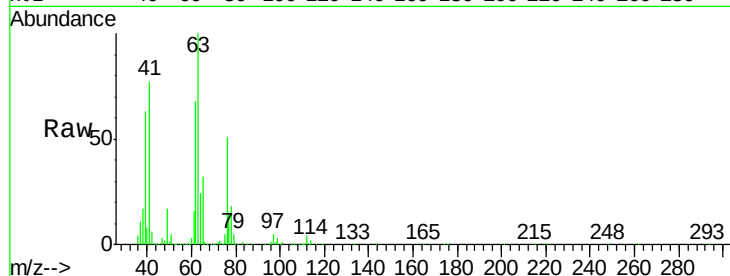
#39
 1,2-Dichloropropane
 Concen: 10.772 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.9	62.6	94.0
62	67.8	55.0	82.6

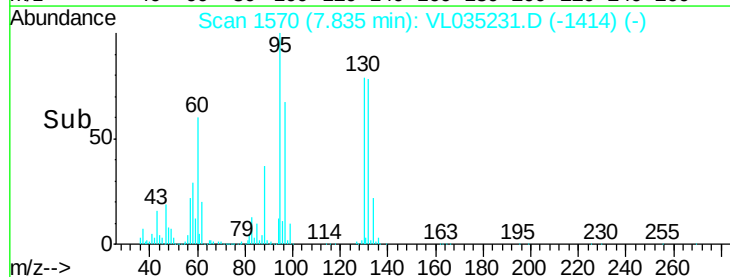
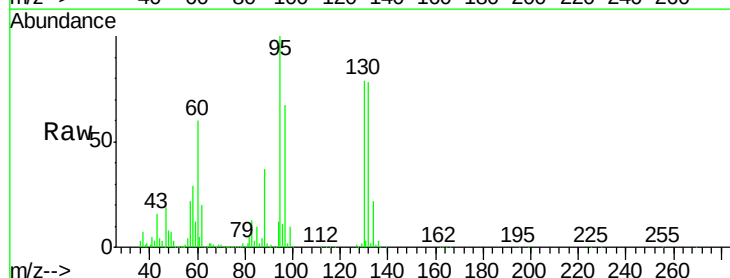
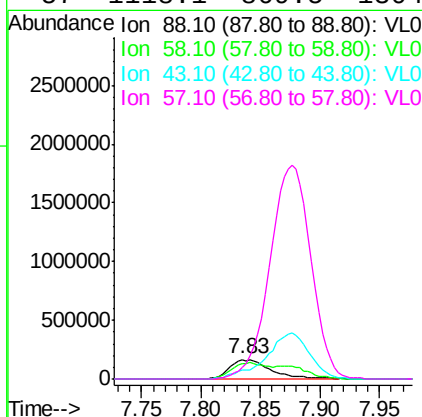
Manual Integrations
 APPROVED

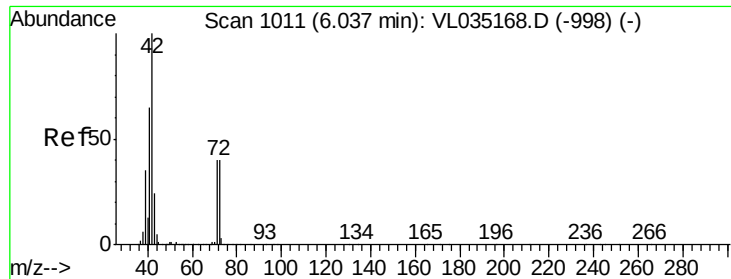
MMDadoda
 7/27/2020 12:29:55 PM



#40
 1,4-Dioxane
 Concen: 10.795 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	128.4	100.2	150.4
43	257.3	199.8	299.8
57	1118.1	869.5	1304.3





#41

Tetrahydrofuran

Concen: 11.194 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

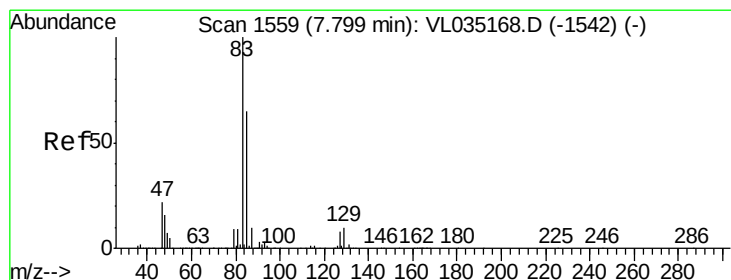
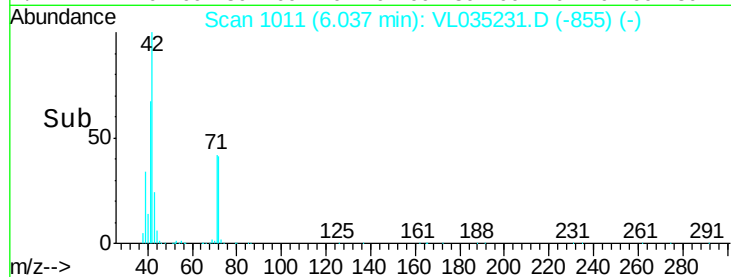
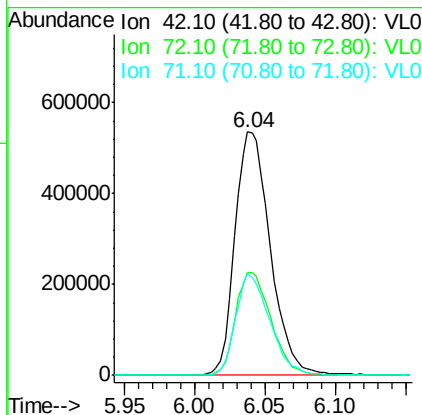
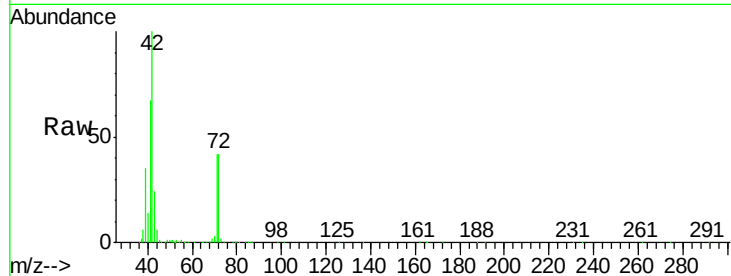
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	42	Resp:	941850
Ion Ratio		Lower	Upper
42	100		
72	42.6	33.4	50.2
71	40.6	31.9	47.9

Manual Integrations
APPROVED

MMDadoda
7/27/2020 12:29:55 PM



#42

Bromodichloromethane

Concen: 10.730 ppbv

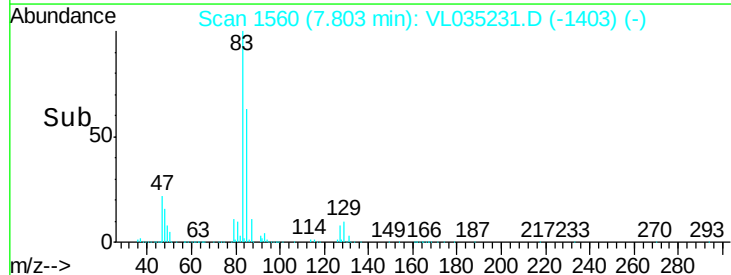
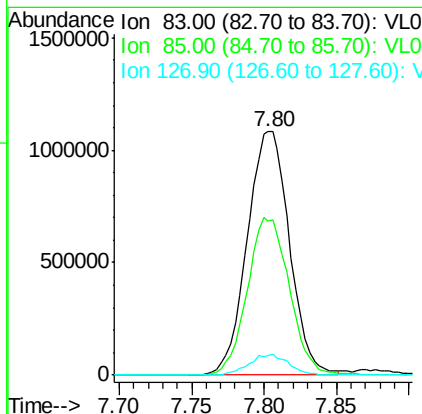
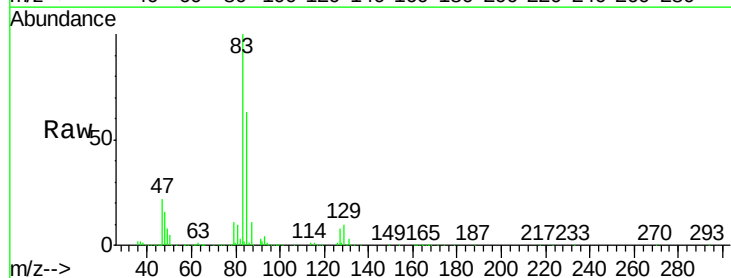
RT: 7.80 min Scan# 1560

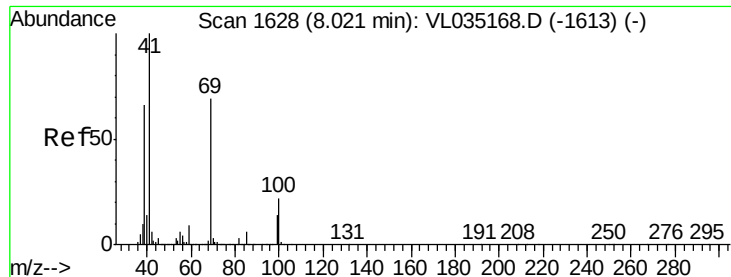
Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Tgt Ion:	83	Resp:	2192705
Ion Ratio		Lower	Upper
83	100		
85	63.0	52.2	78.4
127	8.2	6.3	9.5





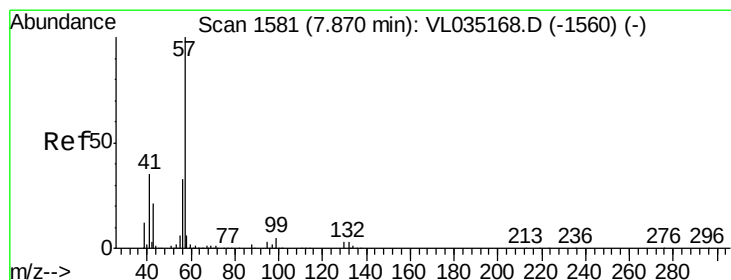
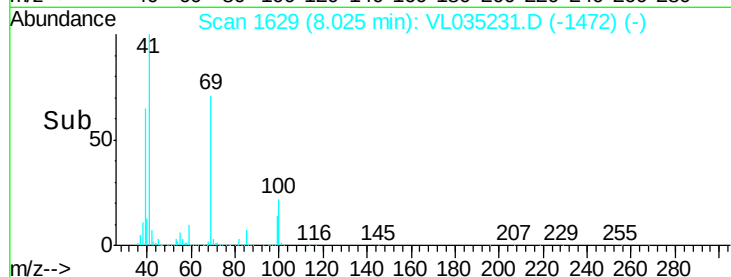
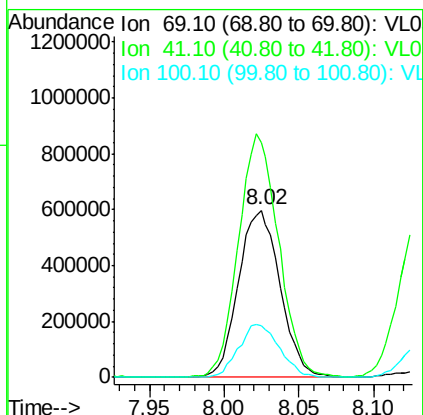
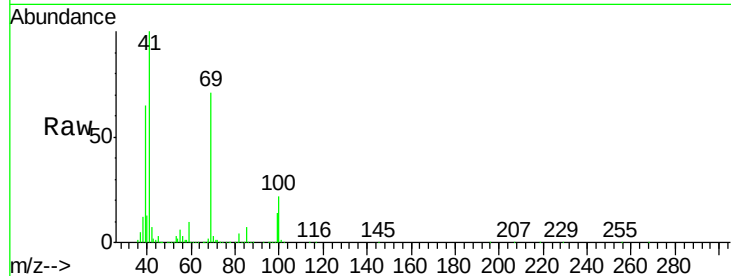
#43
Methyl Methacrylate
Concen: 11.985 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1155267
Ion Ratio Lower Upper
69 100
41 140.9 116.3 174.5
100 31.3 25.6 38.4

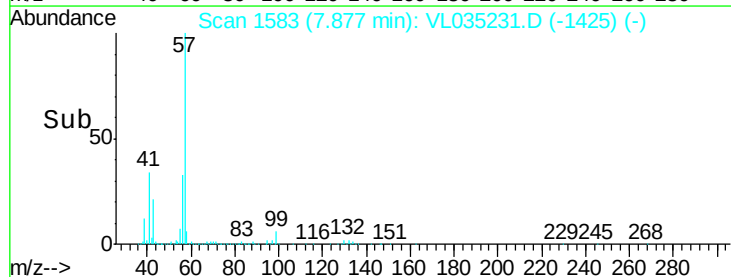
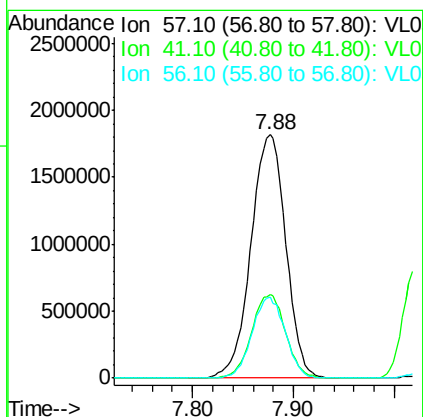
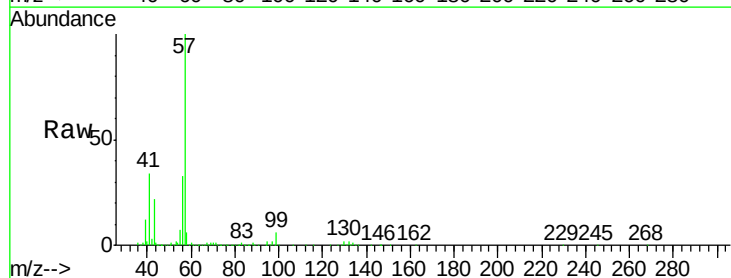
Manual Integrations
APPROVED

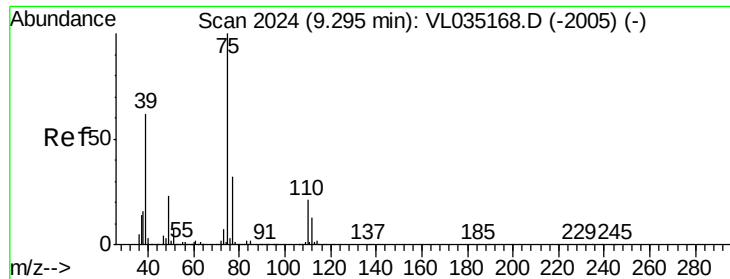
MMDadoda
7/27/2020 12:29:55 PM



#44
2,2,4-Trimethylpentane
Concen: 11.064 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 57 Resp: 4354661
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 31.7 25.5 38.3





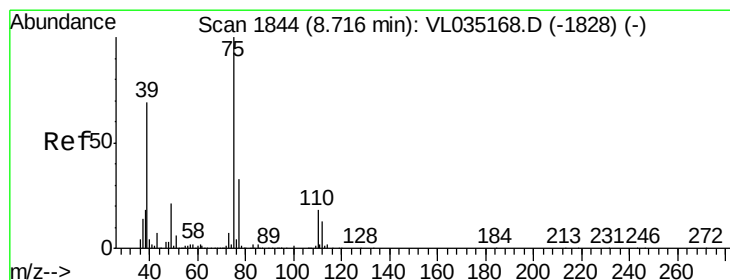
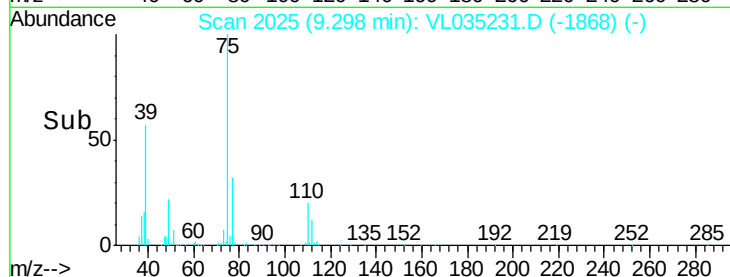
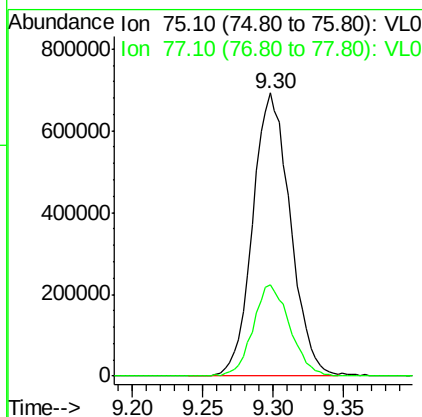
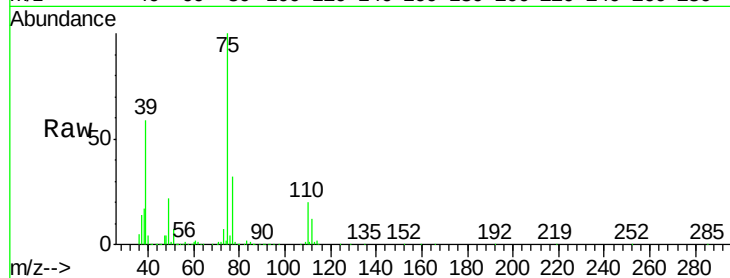
#45
t-1,3-Dichloropropene
Concen: 12.729 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1289089
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8

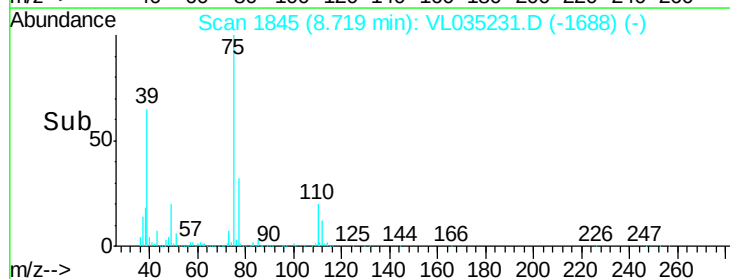
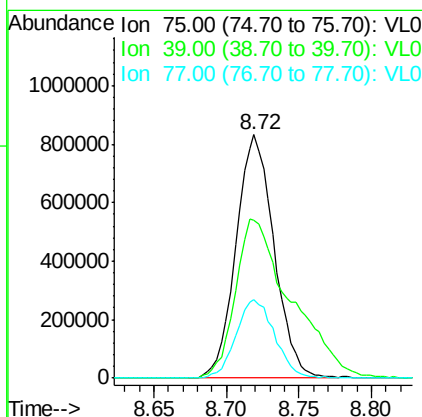
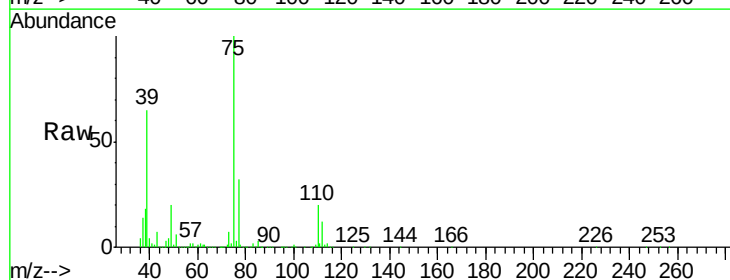
Manual Integrations
APPROVED

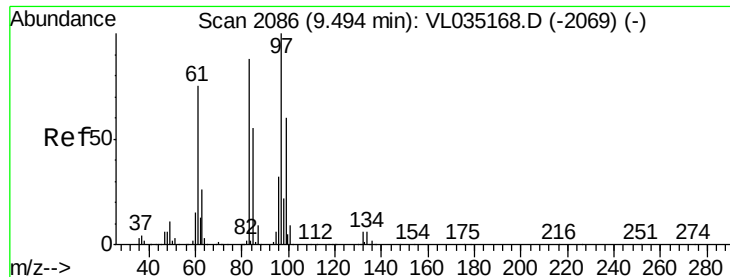
MMDadoda
7/27/2020 12:29:55 PM



#46
cis-1,3-Dichloropropene
Concen: 12.587 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 75 Resp: 1511109
Ion Ratio Lower Upper
75 100
39 64.6 55.2 82.8
77 32.2 26.0 39.0





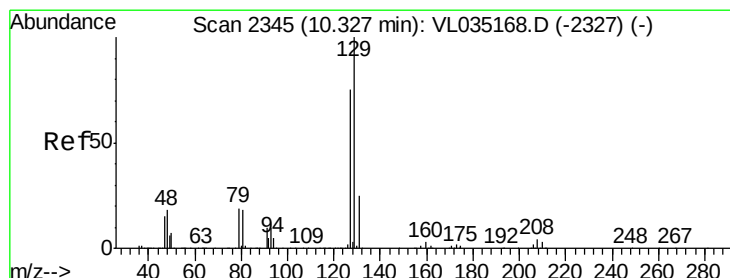
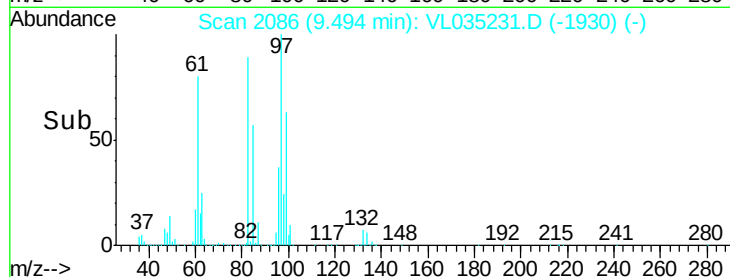
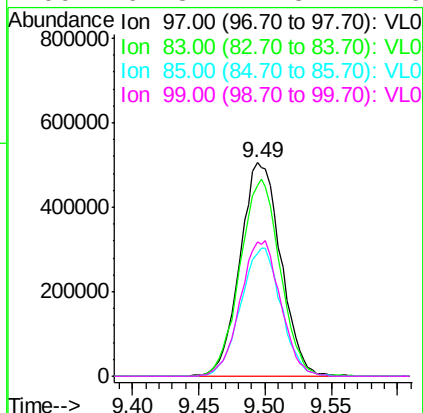
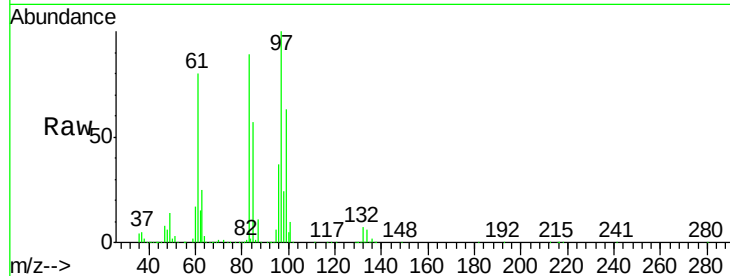
#47
 1,1,2-Trichloroethane
 Concen: 10.867 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1078642
 Ion Ratio Lower Upper
 97 100
 83 89.2 70.3 105.5
 85 57.2 44.3 66.5
 99 62.8 47.8 71.6

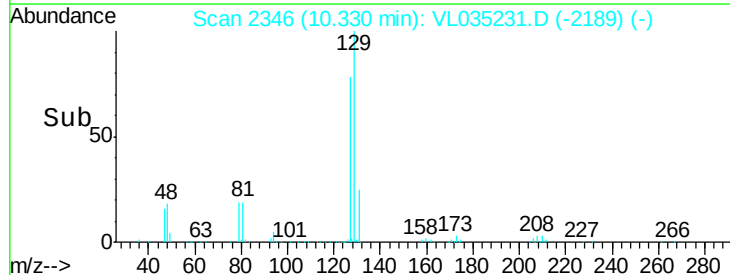
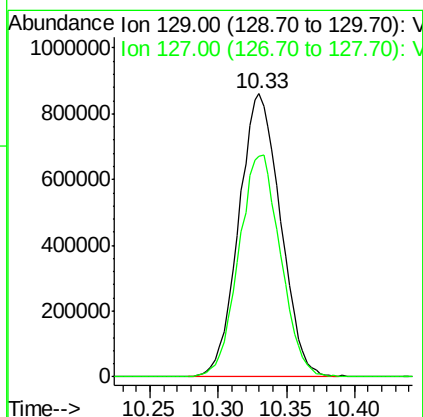
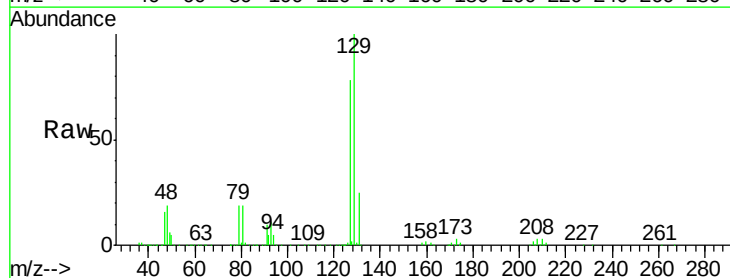
Manual Integrations
 APPROVED

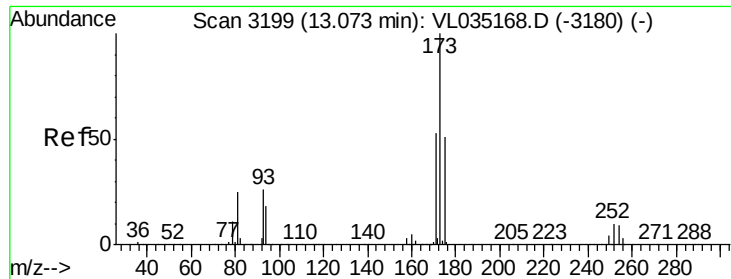
MMDadoda
 7/27/2020 12:29:55 PM



#48
 Dibromochloromethane
 Concen: 11.297 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 129 Resp: 1824476
 Ion Ratio Lower Upper
 129 100
 127 78.8 38.8 116.3





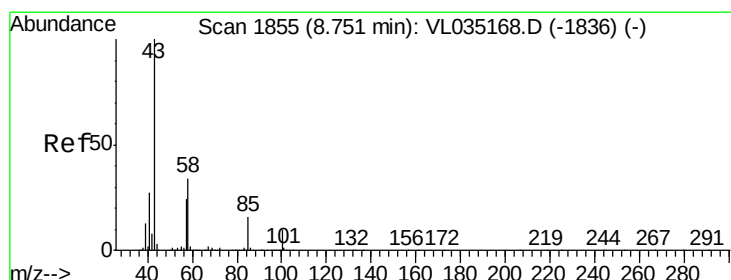
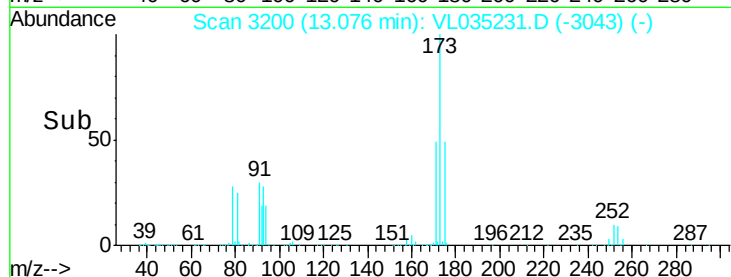
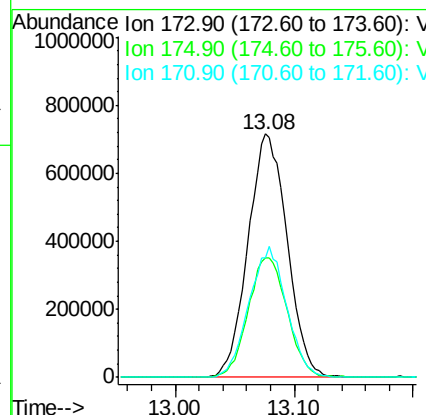
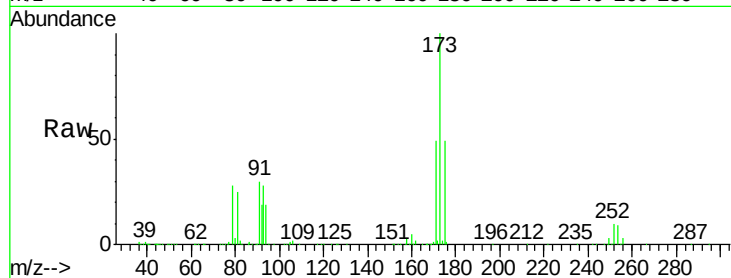
#49
Bromoform
Concen: 11.518 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 173 Resp: 1627163
Ion Ratio Lower Upper
173 100
175 49.2 39.7 59.5
171 51.8 41.6 62.4

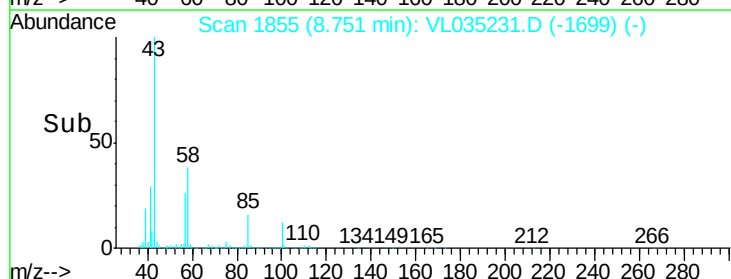
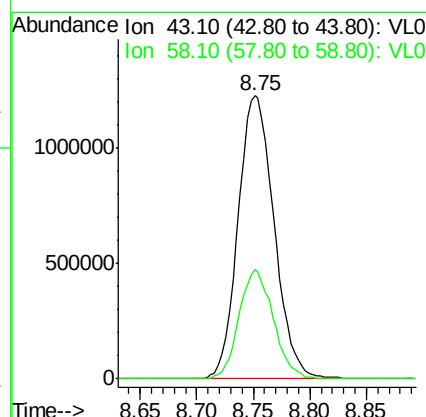
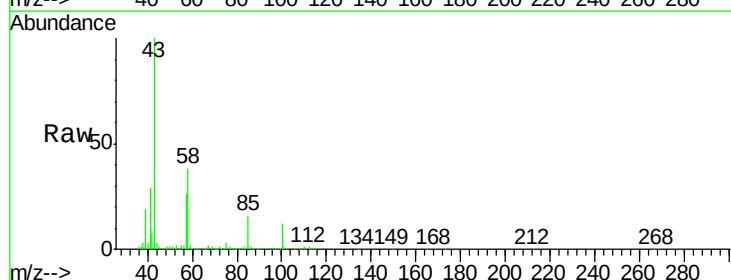
Manual Integrations
APPROVED

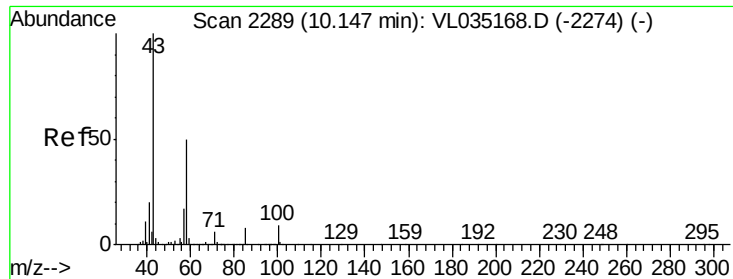
MMDadoda
7/27/2020 12:29:55 PM



#50
4-Methyl-2-Pentanone
Concen: 11.276 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 43 Resp: 2721442
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2





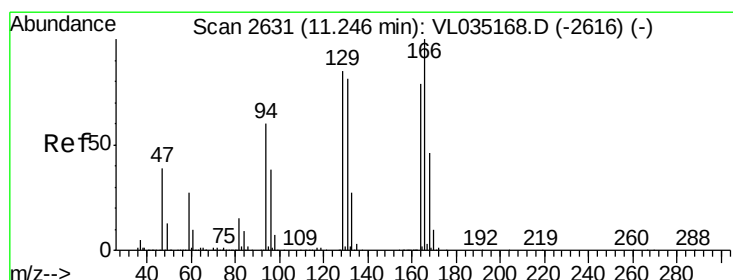
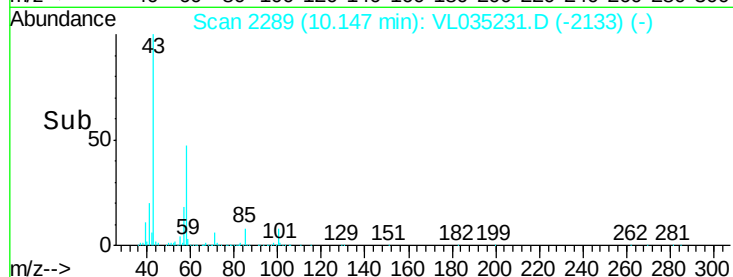
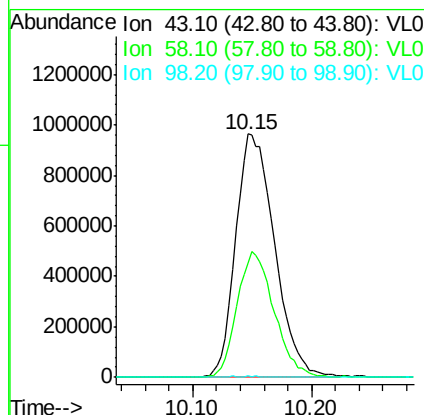
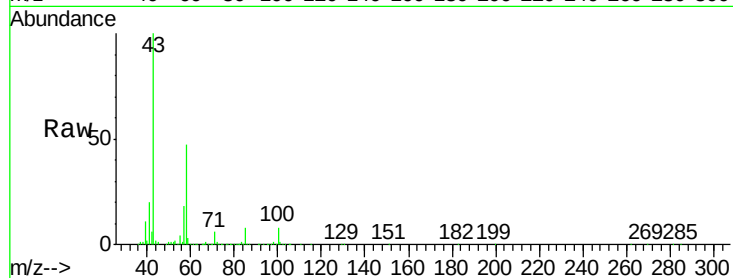
#51
2-Hexanone
Concen: 11.880 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2186320
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
98 0.6 0.3 0.5#

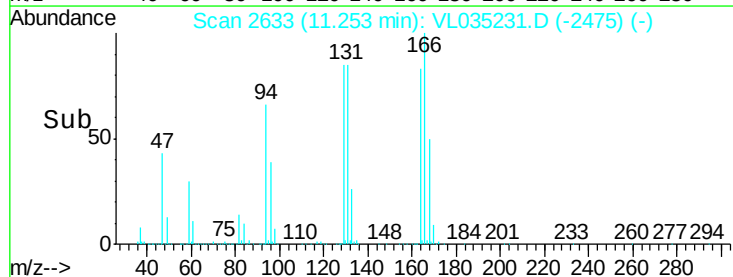
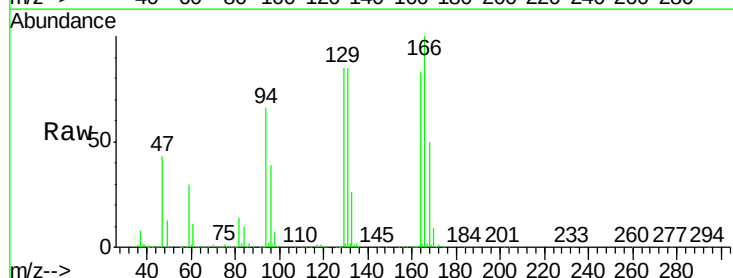
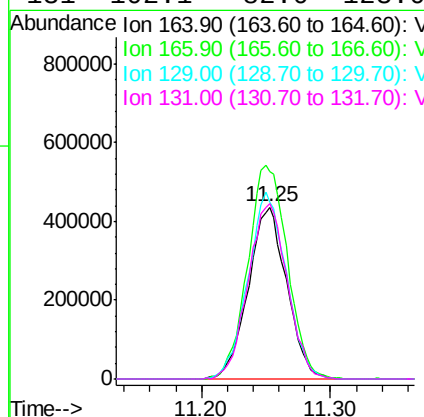
Manual Integrations
APPROVED

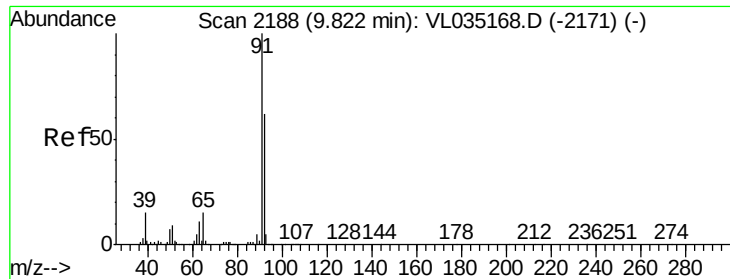
MMDadoda
7/27/2020 12:29:55 PM



#52
Tetrachloroethene
Concen: 10.626 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 164 Resp: 905001
Ion Ratio Lower Upper
164 100
166 120.4 100.7 151.1
129 102.3 85.8 128.6
131 102.1 82.0 123.0





#53

Toluene

Concen: 12.095 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2910697

Ion Ratio Lower Upper

91 100

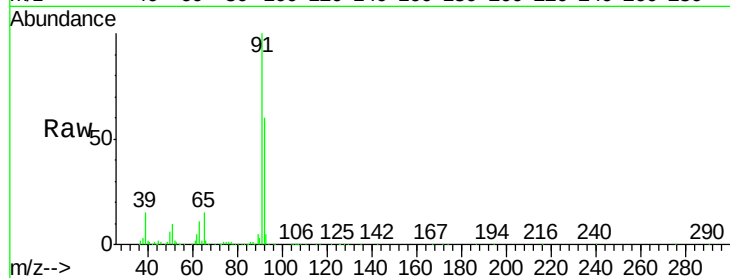
92 61.2 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

7/27/2020 12:29:55 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.83

1500000

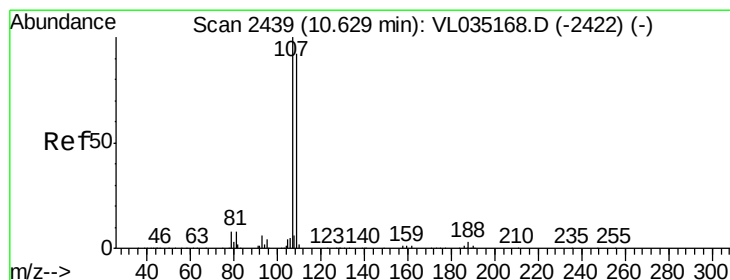
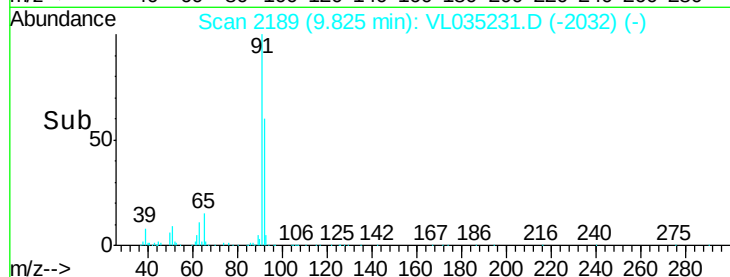
1000000

500000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 11.107 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.01 min

Lab File: VL035231.D

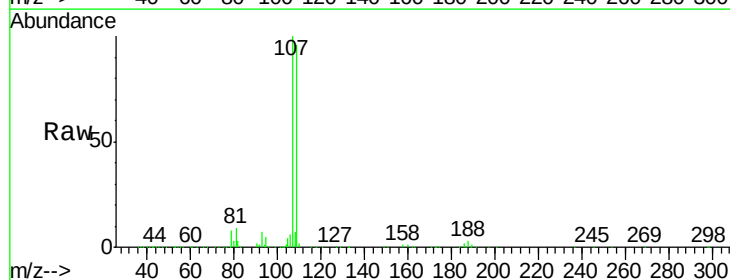
Acq: 23 Jul 2020 17:20

Tgt Ion: 107 Resp: 1636111

Ion Ratio Lower Upper

107 100

109 96.0 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.64

800000

600000

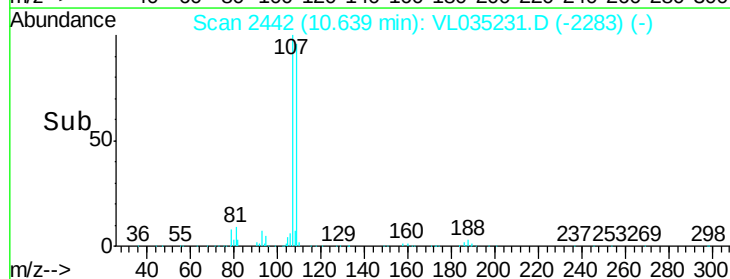
400000

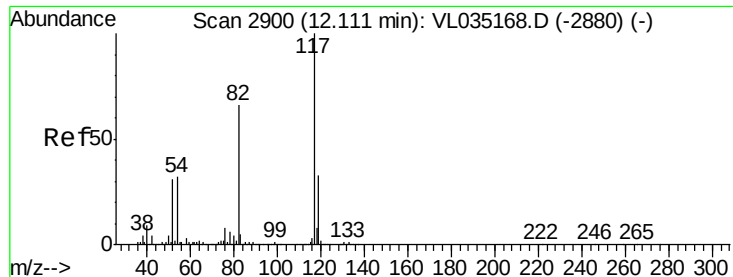
200000

0

10.60 10.70

Time-->





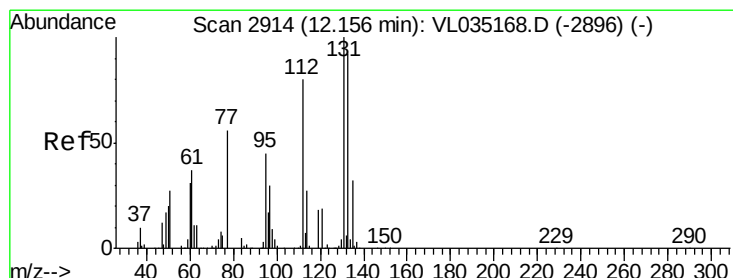
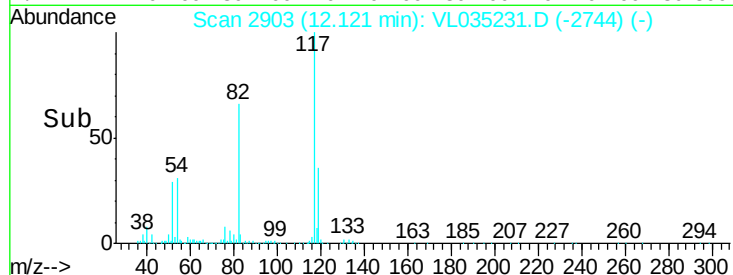
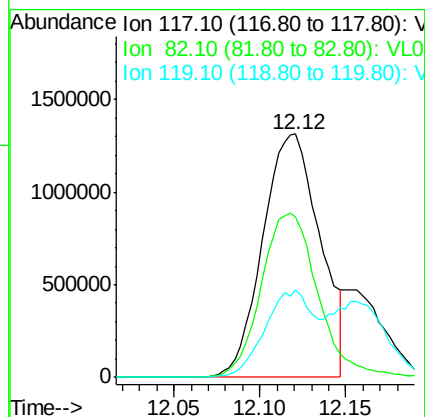
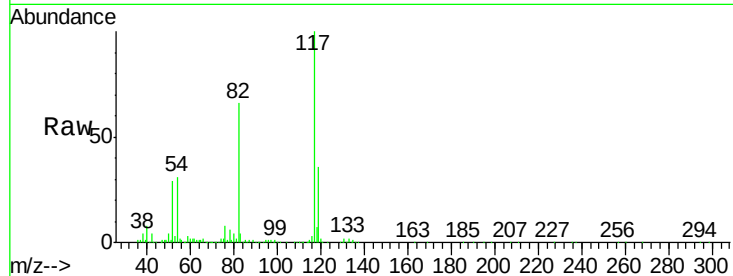
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3039749
Ion Ratio Lower Upper
117 100
82 67.3 52.3 78.5
119 31.7 24.9 37.3

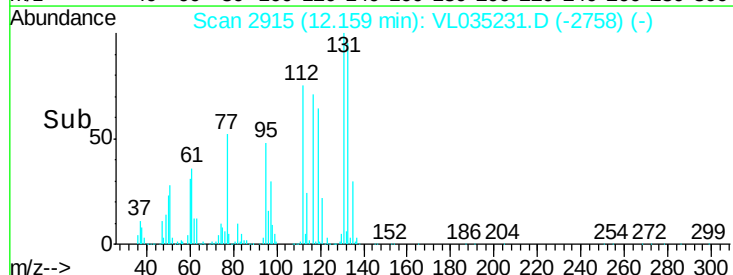
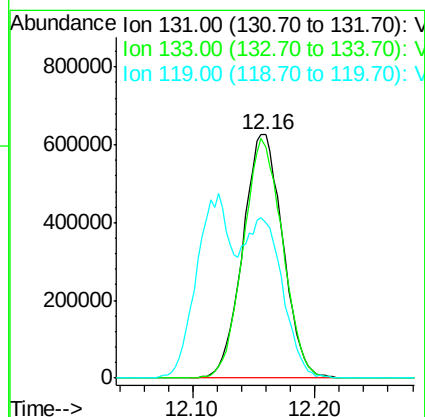
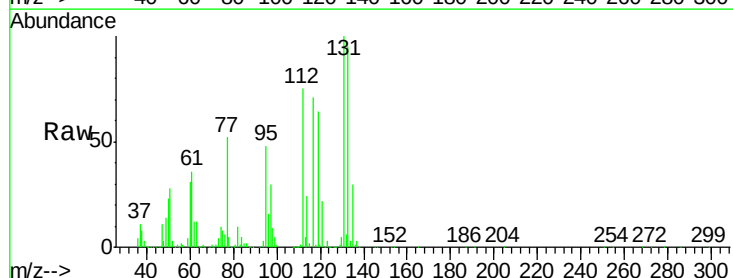
Manual Integrations
APPROVED

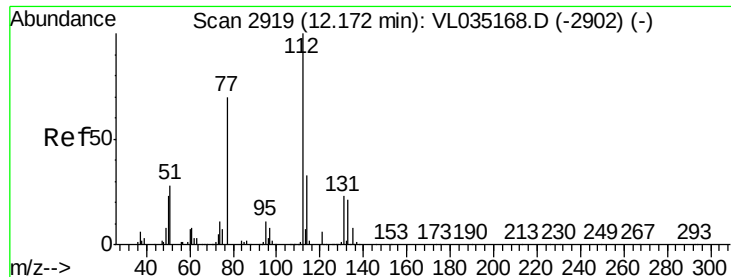
MMDadoda
7/27/2020 12:29:55 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.518 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion:131 Resp: 1416551
Ion Ratio Lower Upper
131 100
133 96.9 75.4 113.2
119 62.9 42.4 63.6





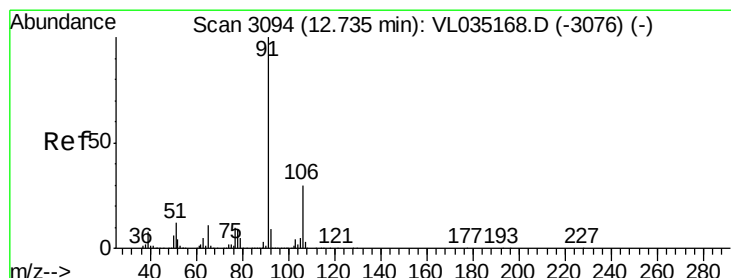
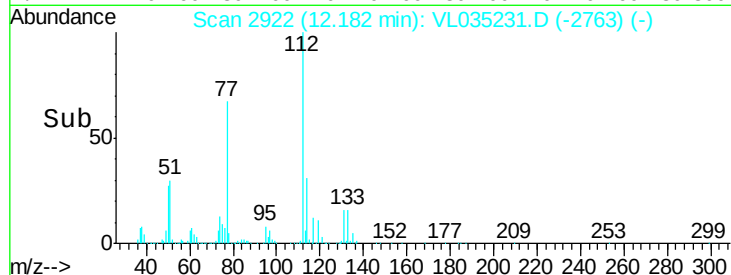
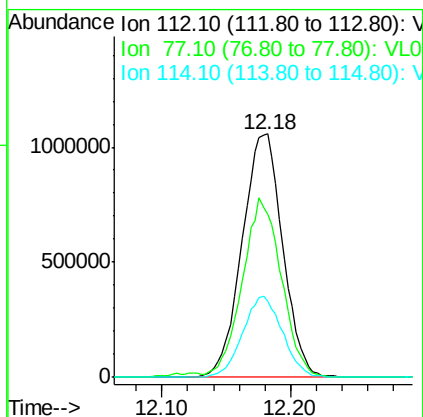
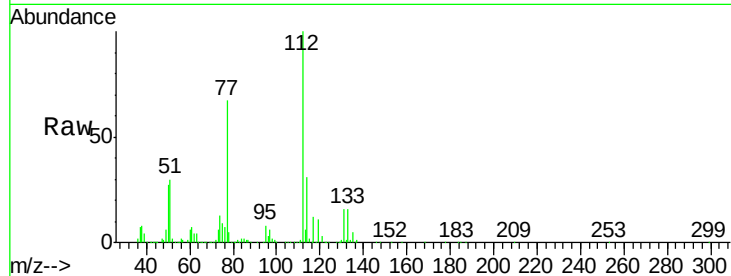
#57
Chlorobenzene
Concen: 10.315 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2311049
Ion Ratio Lower Upper
112 100
77 66.8 57.0 85.4
114 30.9 30.2 37.0

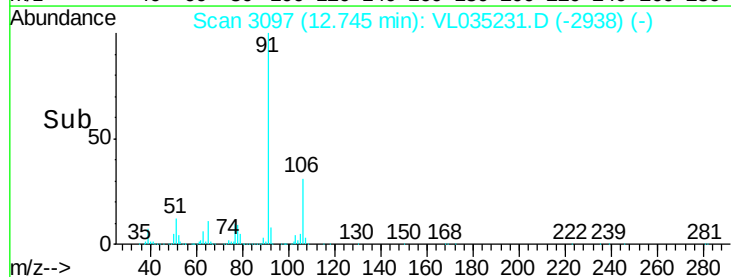
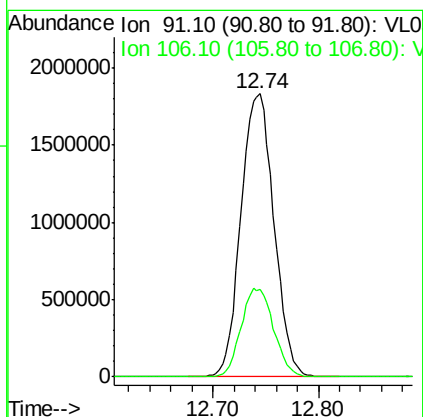
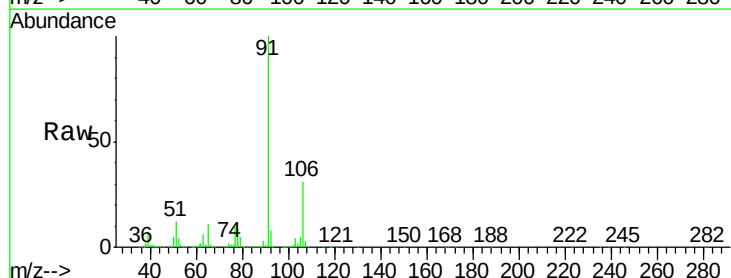
Manual Integrations
APPROVED

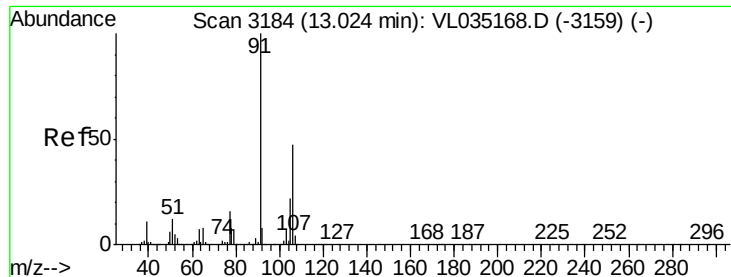
MMDadoda
7/27/2020 12:29:55 PM



#58
Ethyl Benzene
Concen: 11.872 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 91 Resp: 3988789
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2





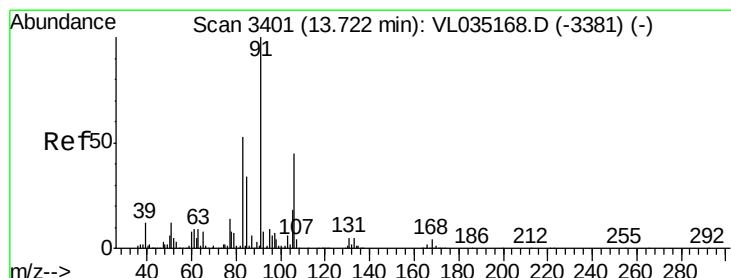
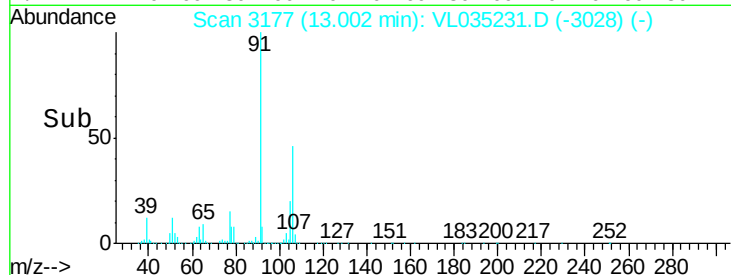
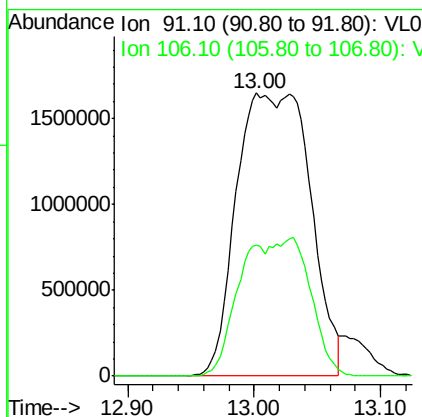
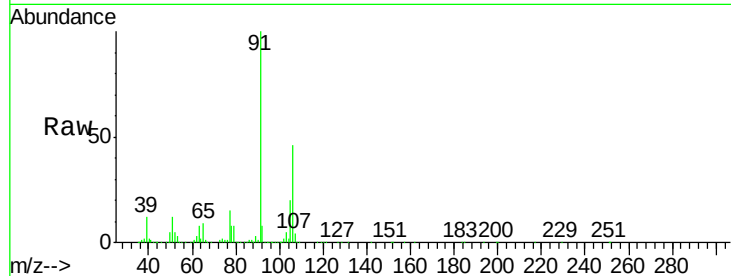
#59
m/p-Xylene
Concen: 22.302 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 6678345
Ion Ratio Lower Upper
91 100
106 46.5 36.2 54.2

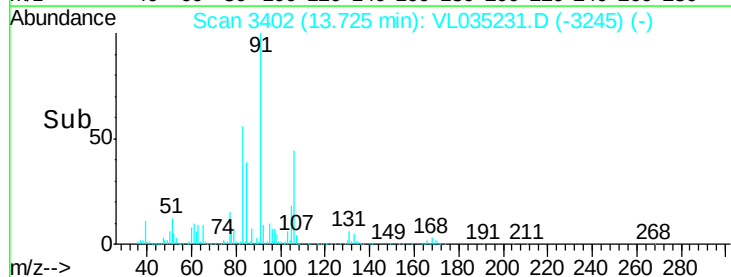
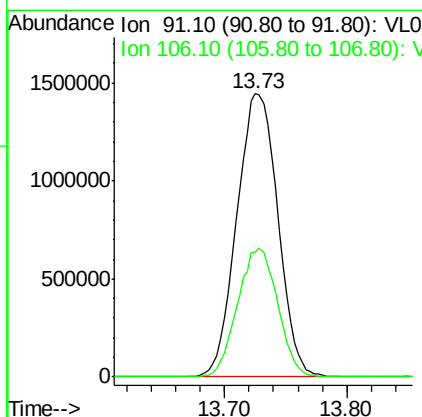
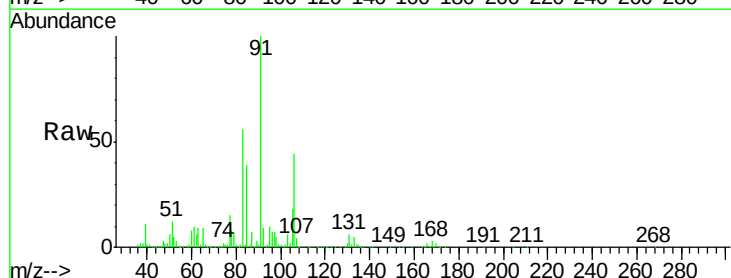
Manual Integrations
APPROVED

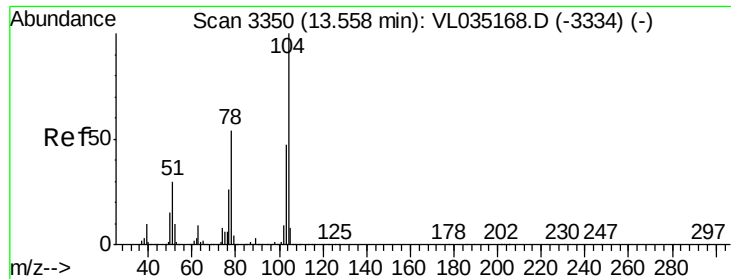
MMDadoda
7/27/2020 12:29:55 PM



#60
o-Xylene
Concen: 11.189 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion: 91 Resp: 3342946
Ion Ratio Lower Upper
91 100
106 44.5 22.1 66.3





#61

Styrene

Concen: 12.824 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 2367513

Ion Ratio Lower Upper

104 100

78 54.1 43.4 65.0

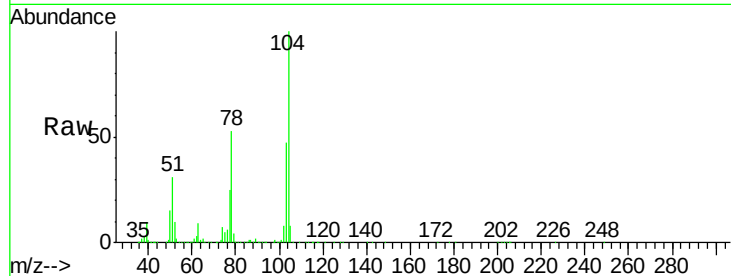
103 47.5 37.4 56.0

Manual Integrations

APPROVED

MMDadoda

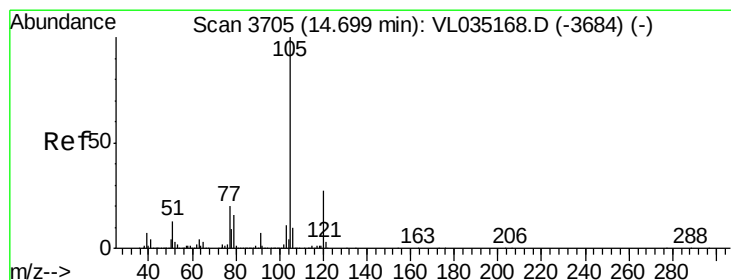
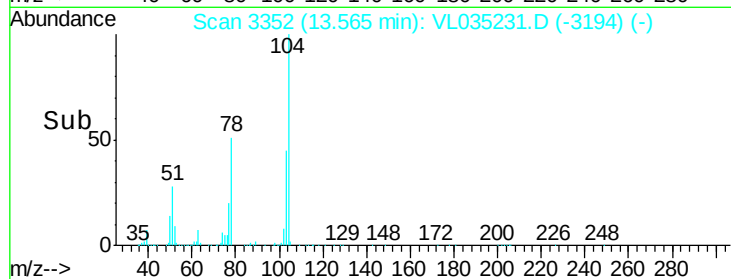
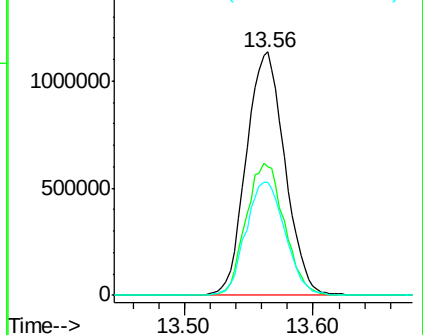
7/27/2020 12:29:55 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.171 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035231.D

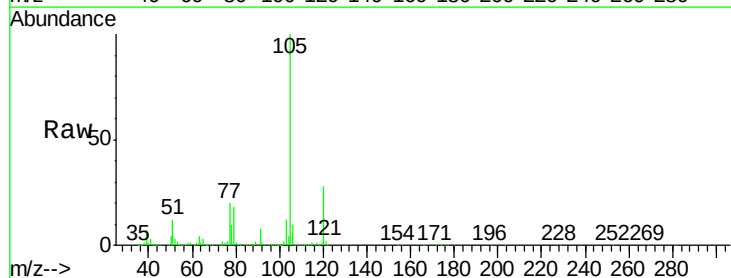
Acq: 23 Jul 2020 17:20

Tgt Ion:105 Resp: 4946997

Ion Ratio Lower Upper

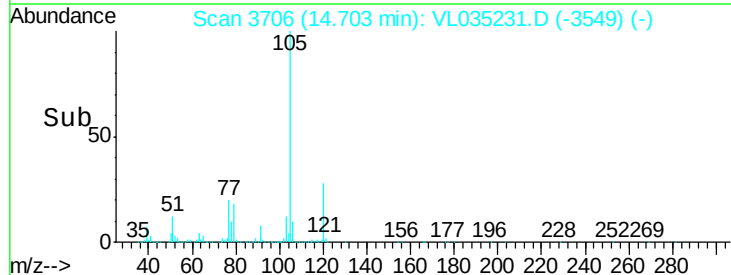
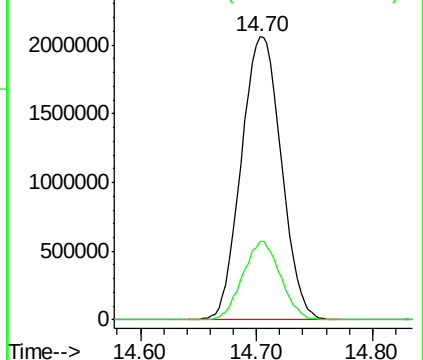
105 100

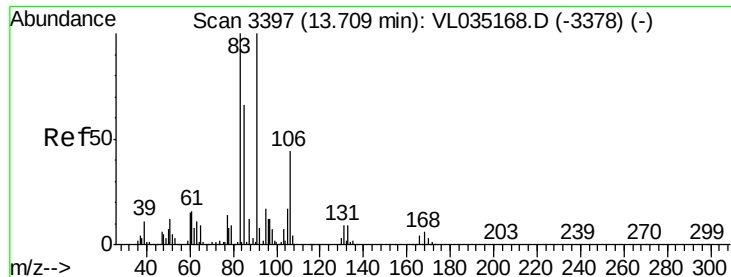
120 26.3 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





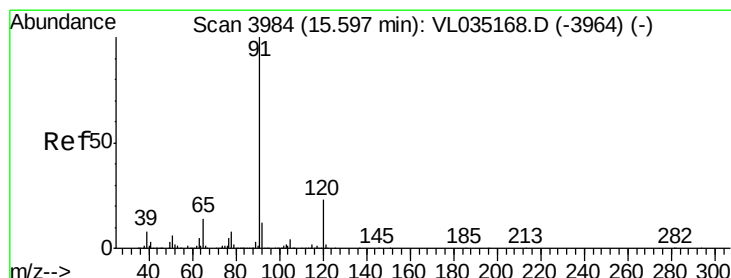
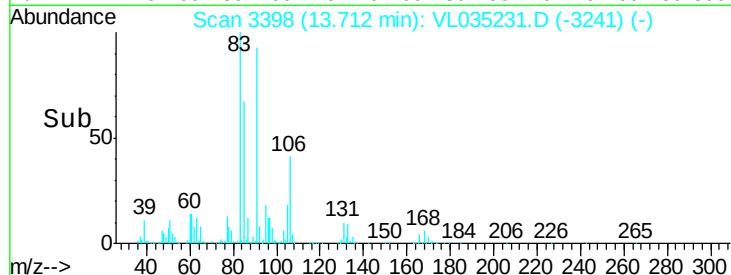
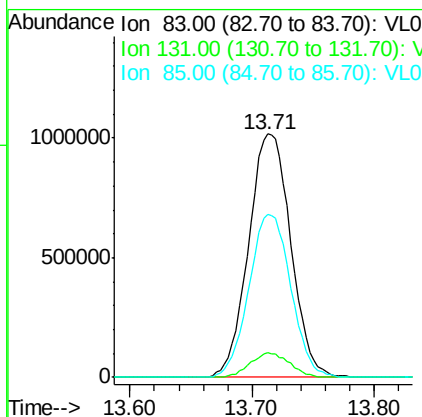
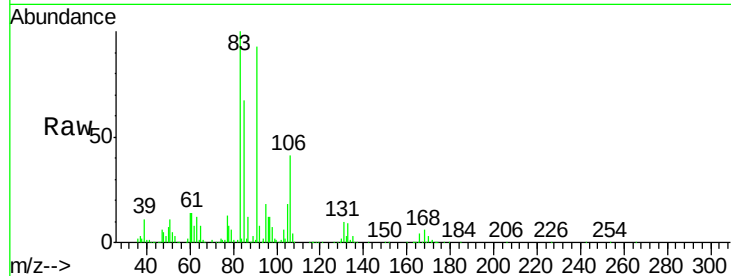
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.732 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 2429712
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 66.7 33.0 99.0

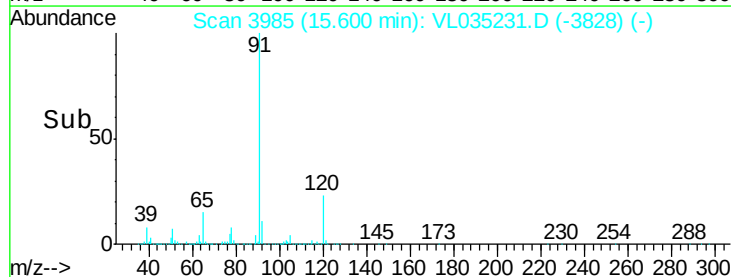
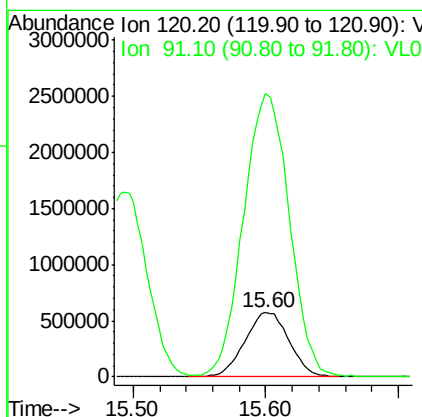
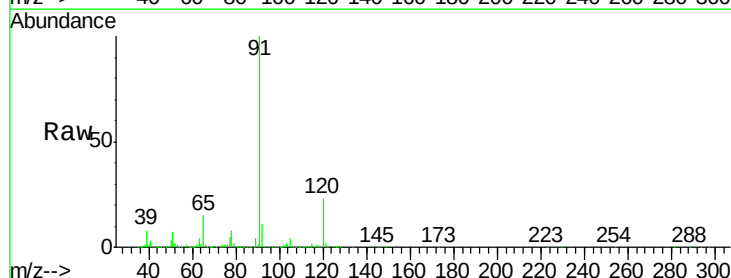
Manual Integrations
 APPROVED

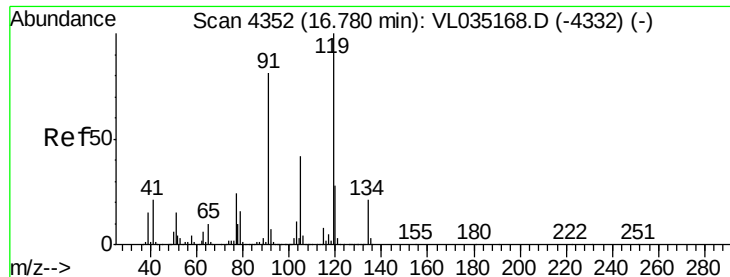
MMDadoda
 7/27/2020 12:29:55 PM



#64
 n-propylbenzene
 Concen: 11.658 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 120 Resp: 1333629
 Ion Ratio Lower Upper
 120 100
 91 455.9 372.4 558.6





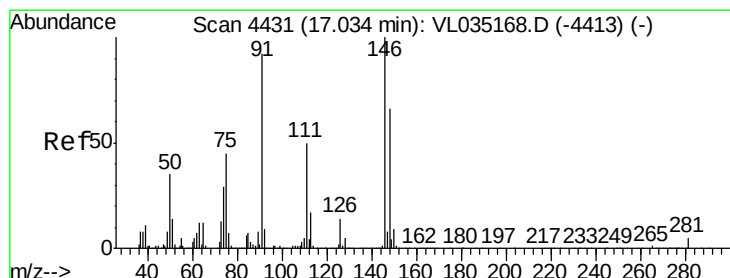
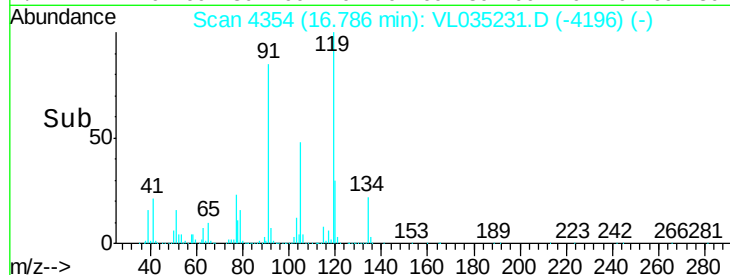
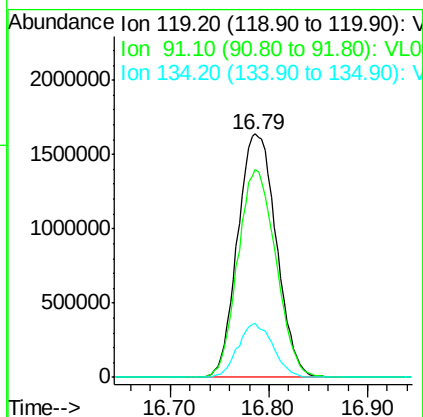
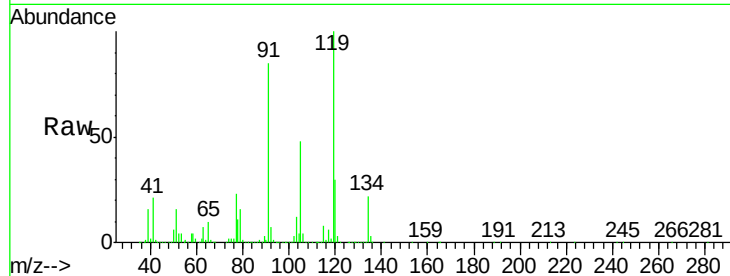
#65
 tert-Butylbenzene
 Concen: 11.161 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4438928
 Ion Ratio Lower Upper
 119 100
 91 84.4 67.5 101.3
 134 20.1 16.0 24.0

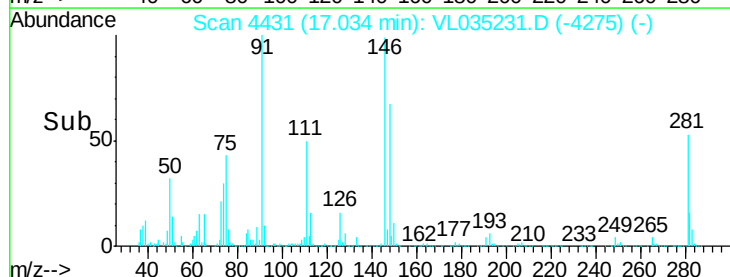
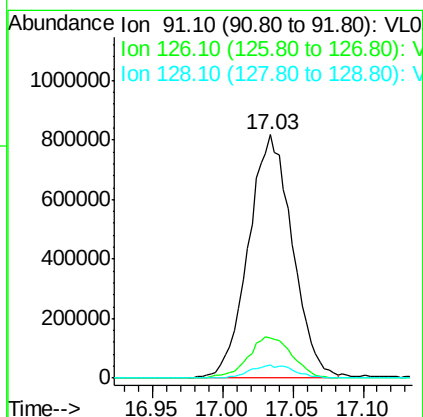
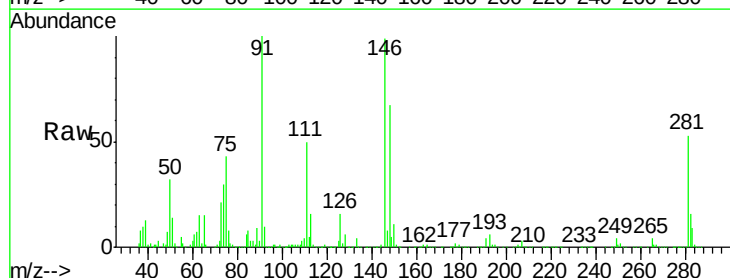
Manual Integrations
 APPROVED

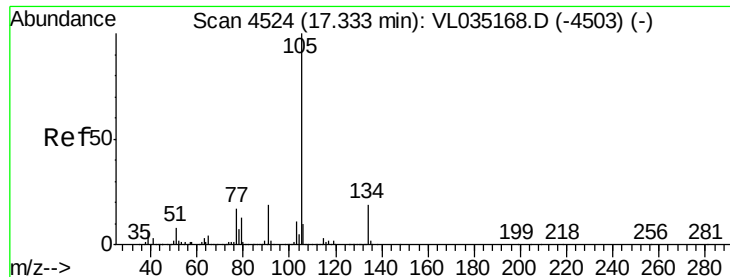
MMDadoda
 7/27/2020 12:29:55 PM



#66
 Benzyl Chloride
 Concen: 12.537 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 91 Resp: 1776455
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.9 20.9
 128 5.4 4.2 6.4





#67

sec-Butylbenzene

Concen: 10.872 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 6304028

Ion Ratio Lower Upper

105 100

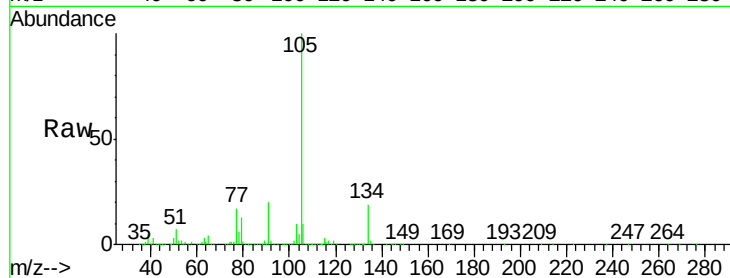
134 18.3 14.6 21.8

Manual Integrations

APPROVED

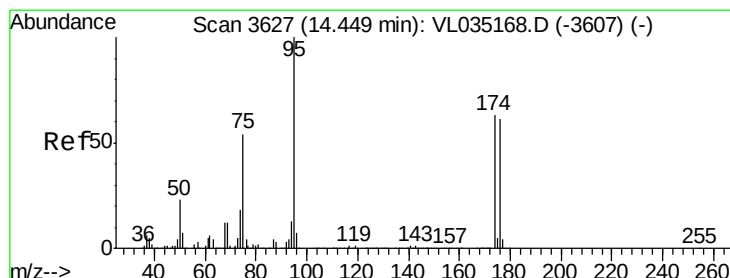
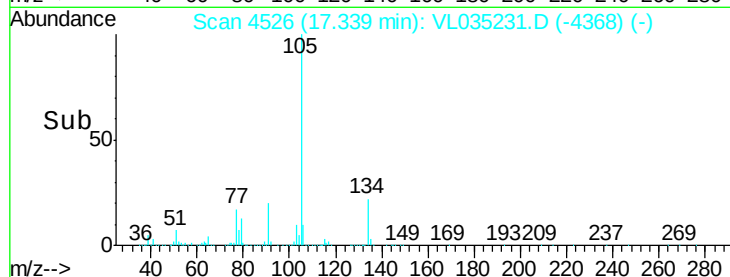
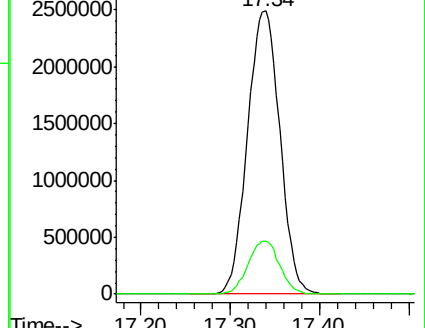
MMDadoda

7/27/2020 12:29:55 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.025 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035231.D

Acq: 23 Jul 2020 17:20

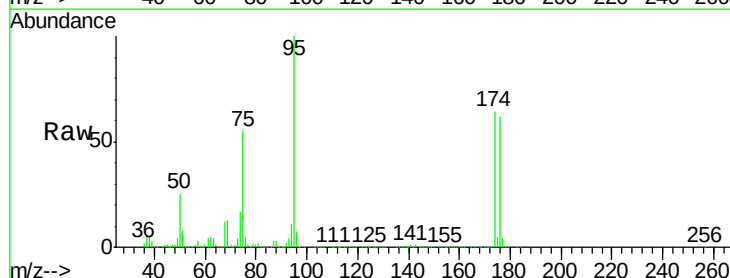
Tgt Ion: 95 Resp: 2475495

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

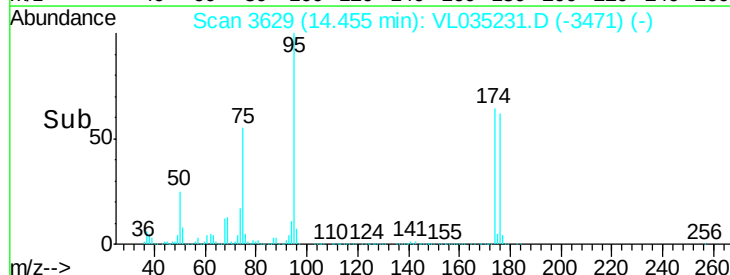
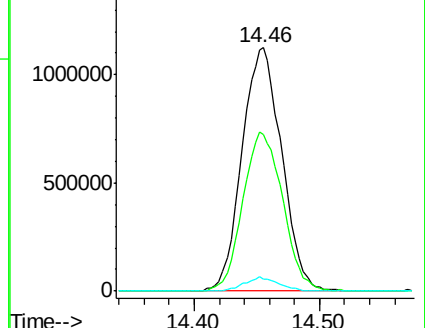
175 5.0 4.0 6.0

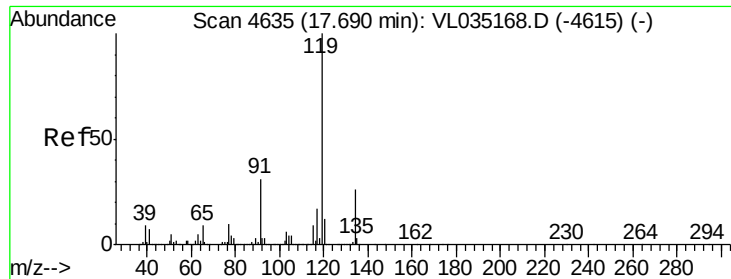


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





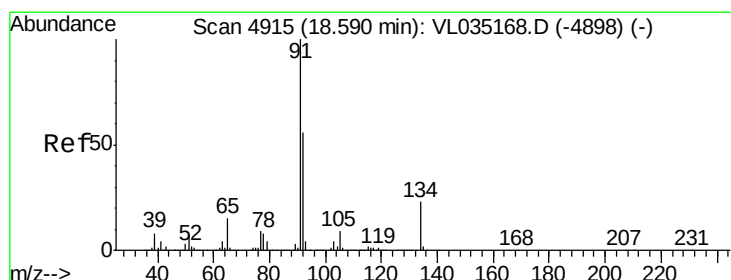
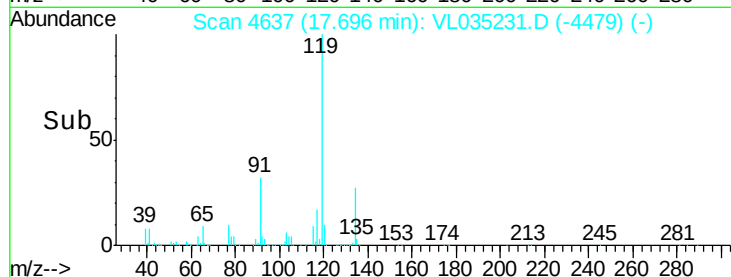
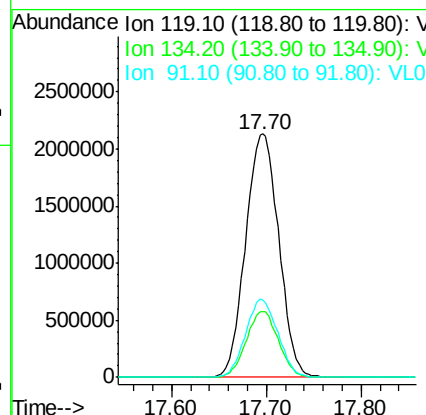
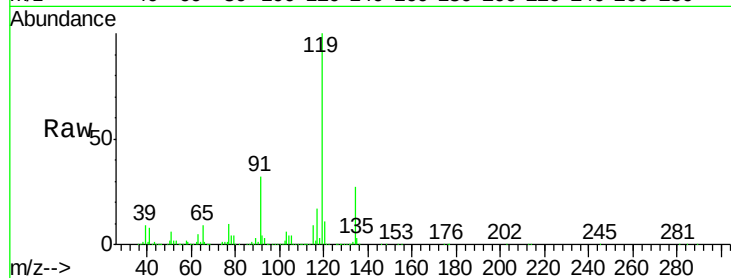
#69
p-Isopropyltoluene
Concen: 11.428 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.8	31.2
91	31.2	24.9	37.3

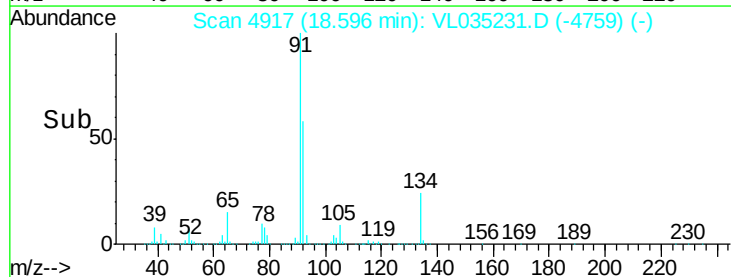
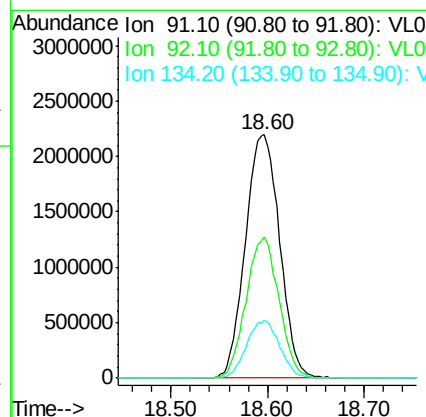
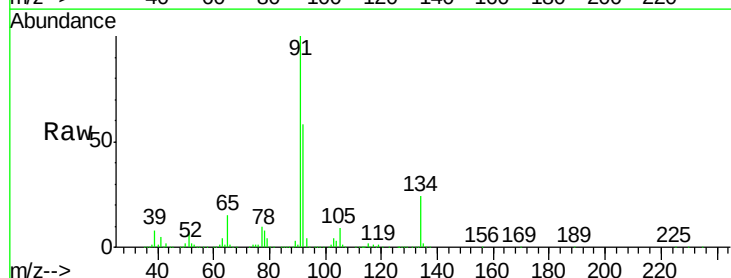
Manual Integrations
APPROVED

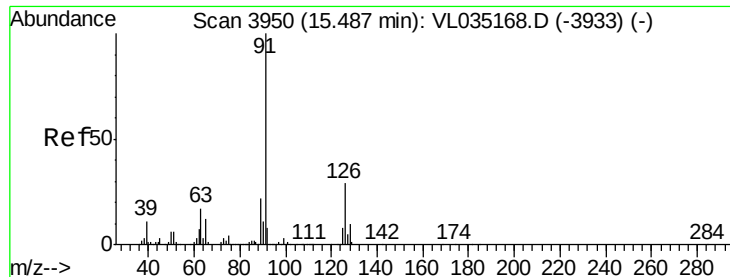
MMDadoda
7/27/2020 12:29:55 PM



#70
n-Butylbenzene
Concen: 11.217 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.0	66.0
134	22.9	18.0	27.0





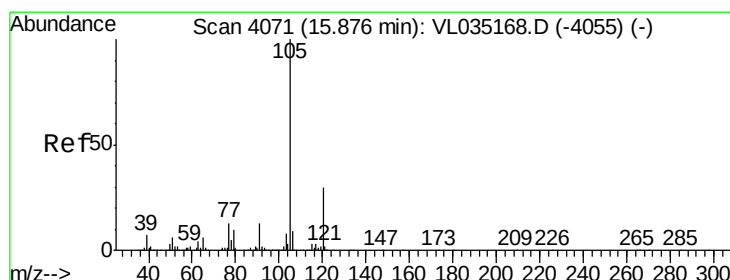
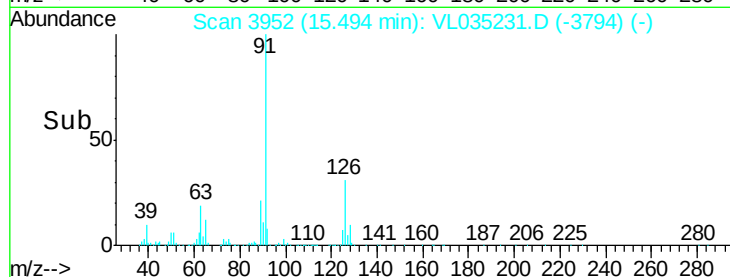
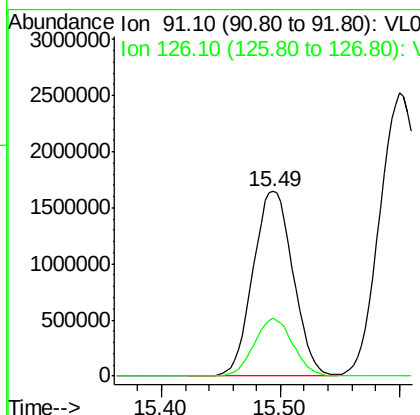
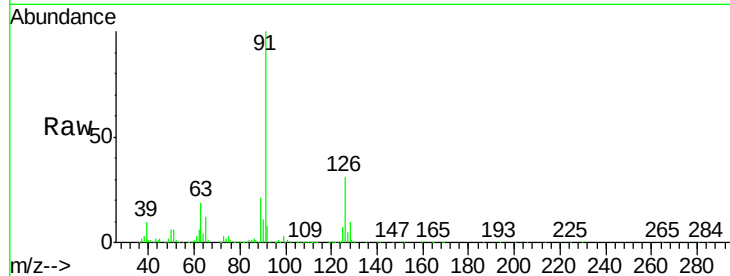
#71
 2-Chlorotoluene
 Concen: 11.470 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 3843243
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 48.0

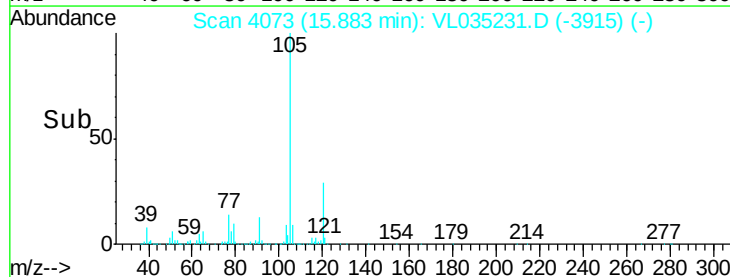
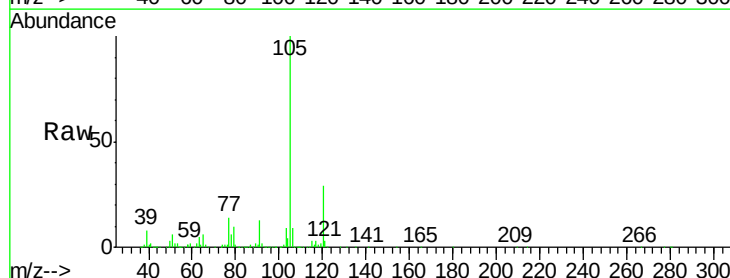
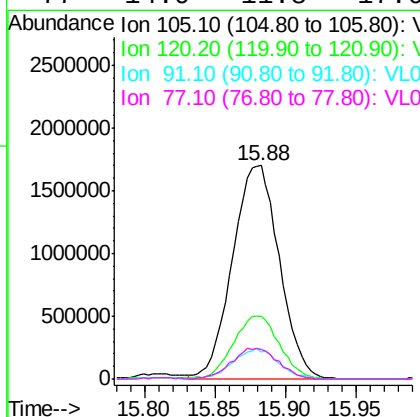
Manual Integrations
 APPROVED

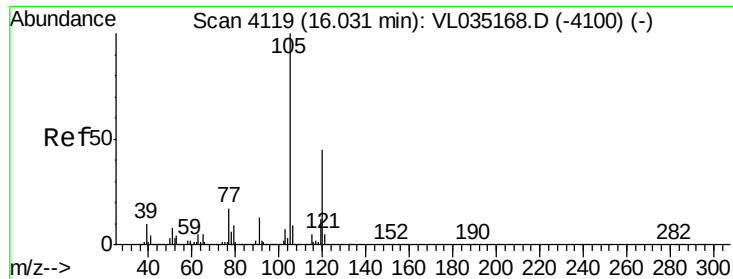
MMDadoda
 7/27/2020 12:29:55 PM



#72
 4-Ethyltoluene
 Concen: 11.680 ppbv
 RT: 15.88 min Scan# 4073
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion: 105 Resp: 3931919
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.2 34.8
 91 13.7 10.9 16.3
 77 14.9 11.8 17.6





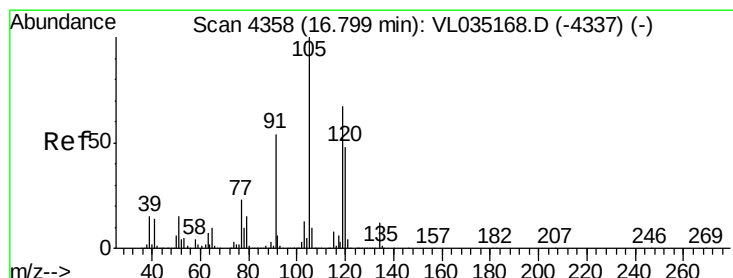
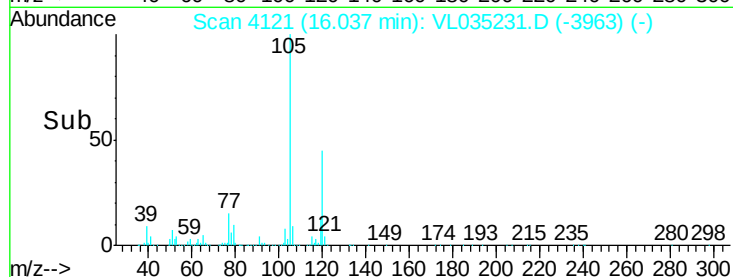
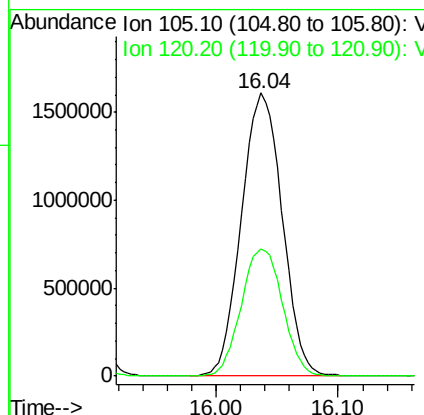
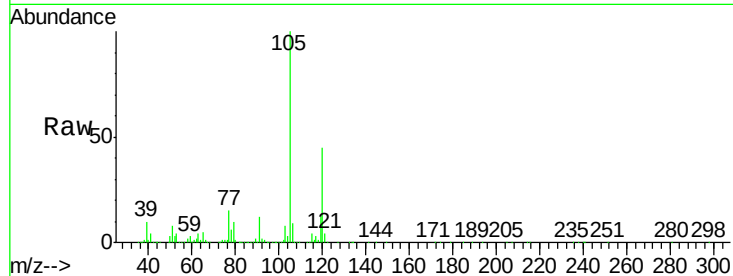
#73
 1,3,5-Trimethylbenzene
 Concen: 11.439 ppbv
 RT: 16.04 min Scan# 4121
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 3713274
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.2 54.2

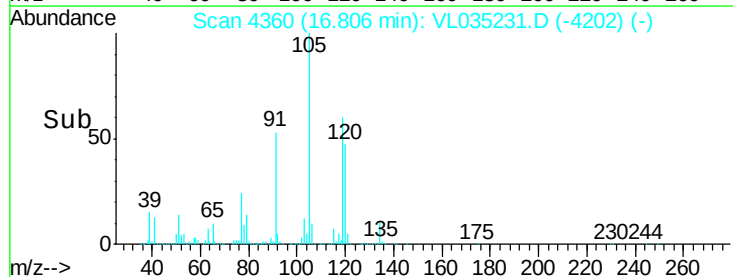
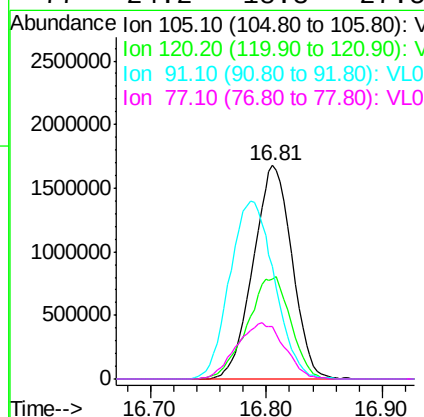
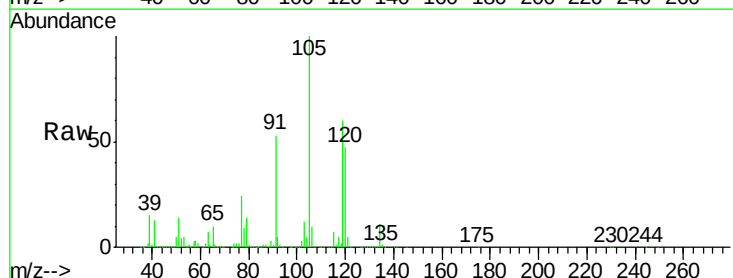
Manual Integrations
 APPROVED

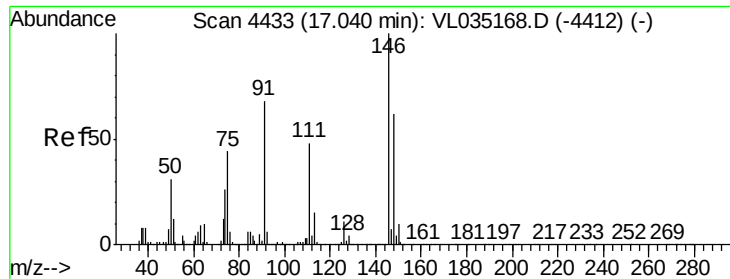
MMDadoda
 7/27/2020 12:29:55 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.898 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:105 Resp: 3909302
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.6 57.8
 91 52.3 43.6 65.4
 77 24.2 18.3 27.5





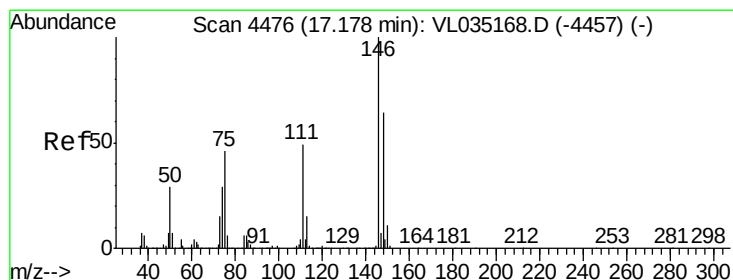
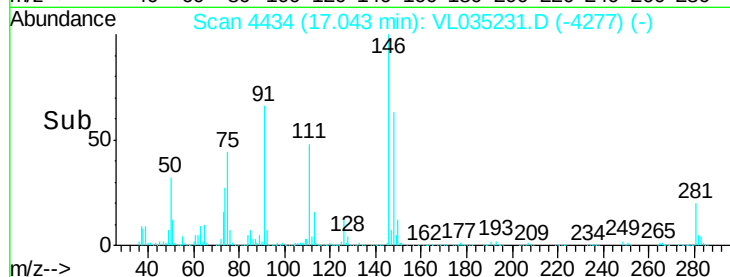
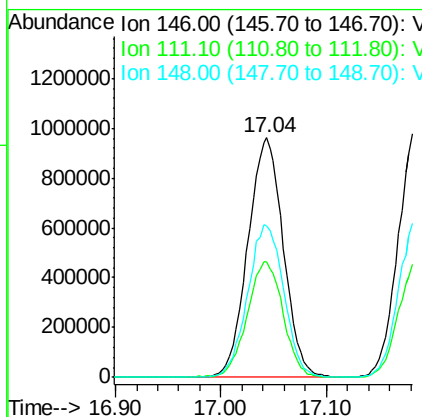
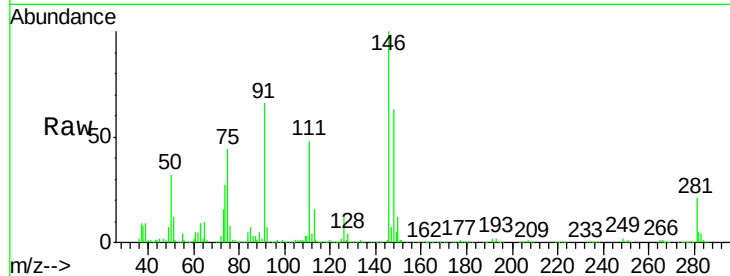
#75
 1,3-Dichlorobenzene
 Concen: 9.912 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2251869
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.7 74.1
 148 65.1 32.4 97.0

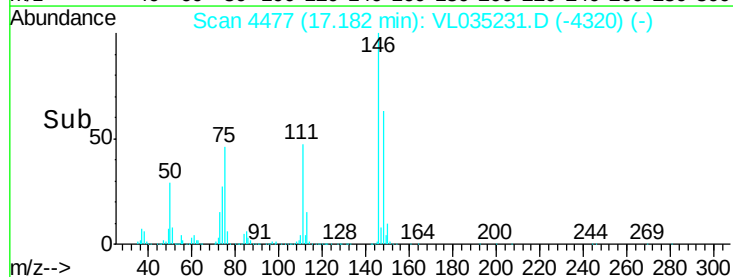
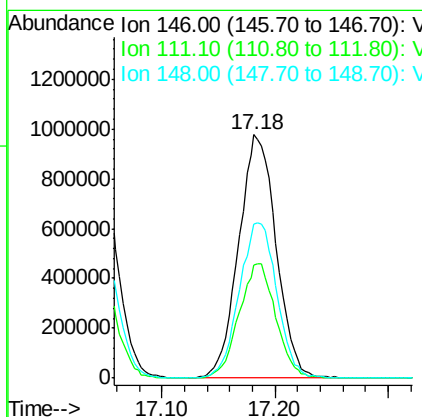
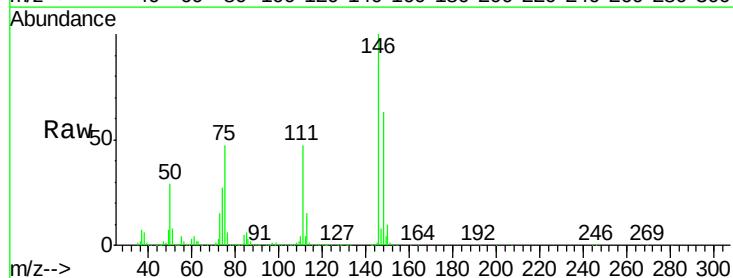
Manual Integrations
 APPROVED

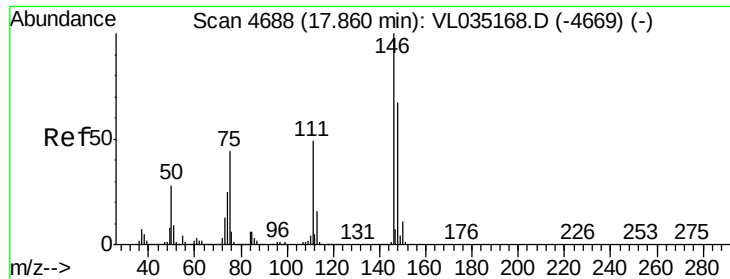
MMDadoda
 7/27/2020 12:29:55 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.613 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:146 Resp: 2240602
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.8 71.2
 148 64.8 32.3 96.9





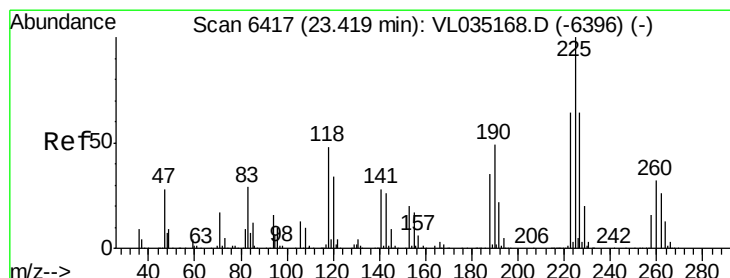
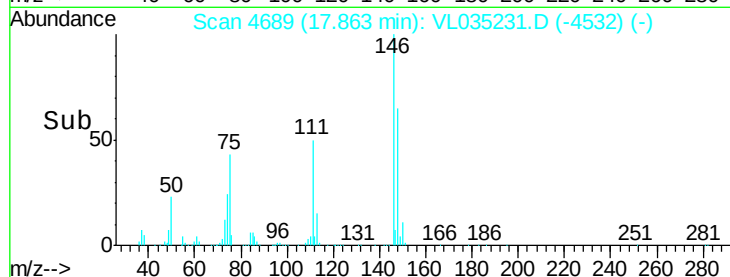
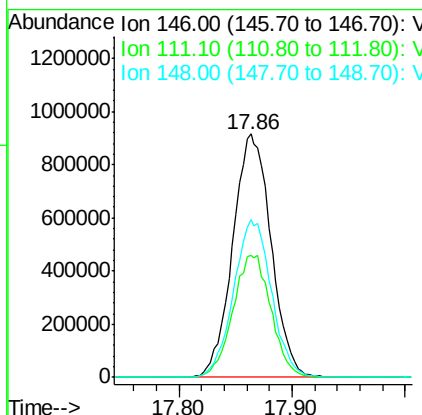
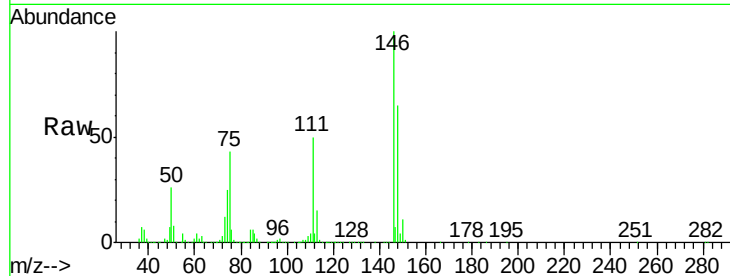
#77
 1,2-Dichlorobenzene
 Concen: 10.548 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2157581
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.1 75.2
 148 64.0 32.4 97.0

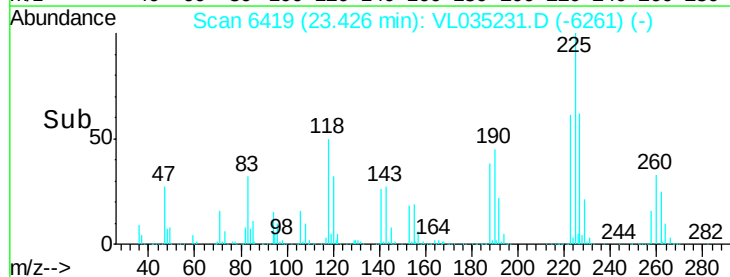
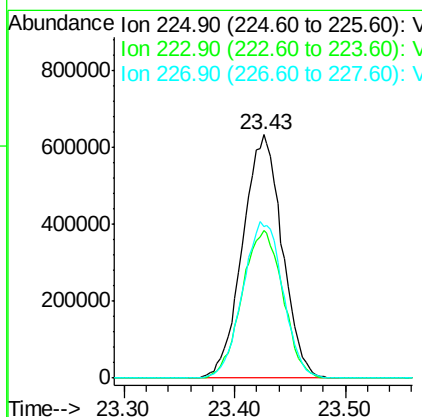
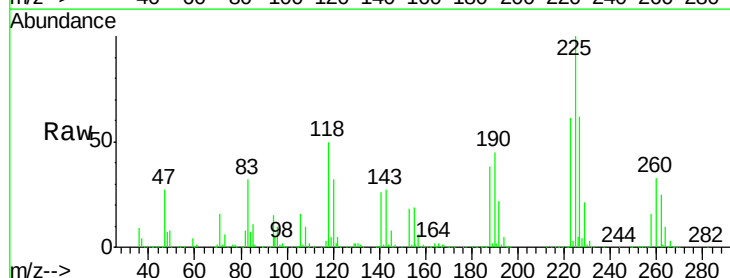
Manual Integrations
 APPROVED

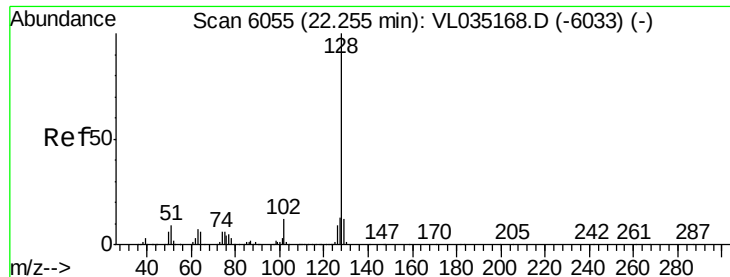
MMDadoda
 7/27/2020 12:29:55 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.728 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Tgt Ion:225 Resp: 1572367
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.2 75.2
 227 65.6 51.2 76.8





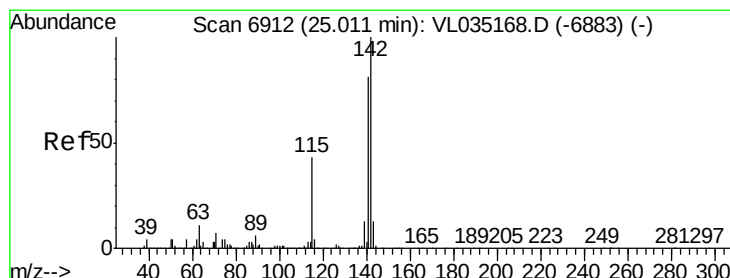
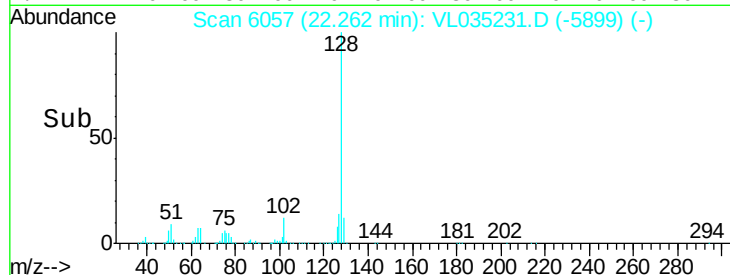
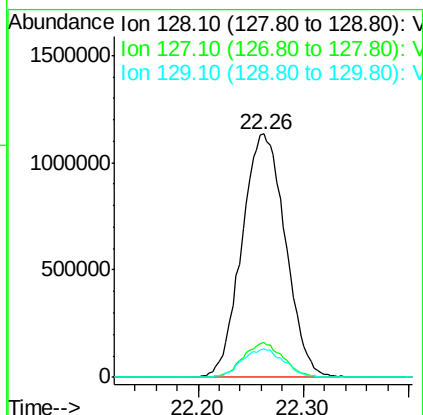
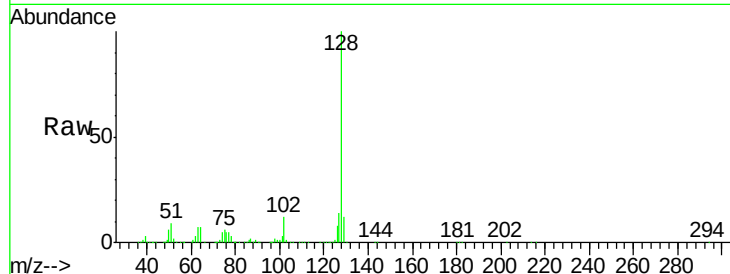
#79
Naphthalene
Concen: 14.026 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	11.8	9.4	14.2

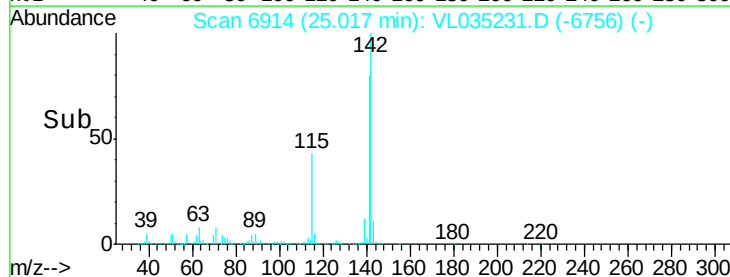
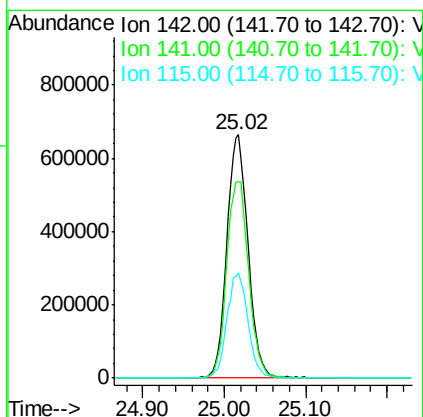
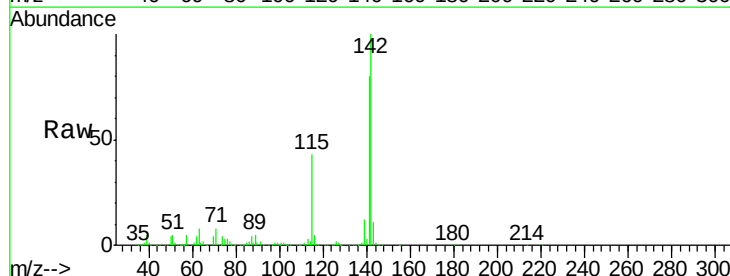
Manual Integrations
APPROVED

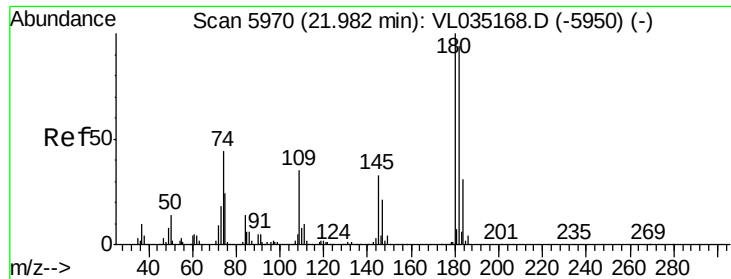
MMDadoda
7/27/2020 12:29:55 PM



#80
Naphthalene, 2-methyl-
Concen: 22.318 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.01 min
Lab File: VL035231.D
Acq: 23 Jul 2020 17:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.2	102.4
115	43.1	34.4	51.6





#81
 1,2,4-Trichlorobenzene
 Concen: 12.170 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.01 min
 Lab File: VL035231.D
 Acq: 23 Jul 2020 17:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.7	115.1
184	31.9	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:55 PM

