

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035235.D
 Acq On : 29 Jul 2020 4:02
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:23 PM

Quant Time: Jul 29 06:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1453866	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3547552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3243100	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2646430	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	192757	0.964	ppbv	97
3) Chlorodifluoromethane	2.94	51	176917	1.099	ppbv	98
4) Chloromethane	3.10	50	99181	1.091	ppbv	98
5) Vinyl Chloride	3.21	62	97720	1.005	ppbv	94
6) Bromomethane	3.43	94	61652	1.117	ppbv	84
7) Chloroethane	3.52	64	35279	1.026	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	249508	1.112	ppbv	99
9) Propene	2.96	41	56998	0.945	ppbv	98
10) Heptane	8.14	43	144750	0.924	ppbv	97
11) Trichlorofluoromethane	3.92	101	252326	1.089	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	182814	1.123	ppbv	99
13) Ethanol	3.57	45	27989m	1.414	ppbv	
14) Bromoethene	3.71	108	70037	1.048	ppbv	96
15) Acetone	3.82	43	221910	1.123	ppbv	95
16) 1,3-Butadiene	3.29	39	76105	1.005	ppbv	96
17) tert-Butyl alcohol	4.27	59	204316	1.158	ppbv	100
18) 1,1-Dichloroethene	4.26	96	79682	1.104	ppbv	91
19) Isopropyl Alcohol	3.94	45	140975	1.170	ppbv #	97
20) Methylene Chloride	4.32	84	105692	1.223	ppbv #	90
21) Allyl Chloride	4.39	41	110282	0.958	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	73677	1.028	ppbv	98
23) Vinyl Acetate	5.06	43	189991	0.899	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	190609	1.039	ppbv	97
25) Ethyl Acetate	5.67	43	318875	1.042	ppbv	99
26) Hexane	5.68	57	141797	1.048	ppbv	97
27) Carbon Disulfide	4.53	76	186374	0.990	ppbv	94
28) Methyl tert-Butyl Ether	5.02	73	198578	0.967	ppbv	100
29) Chloroform	5.74	83	240968	1.060	ppbv	96
30) Cyclohexane	7.14	84	91962m	0.920	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	113322	0.891	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	224166	0.986	ppbv	98
34) 2-Butanone	5.23	43	185079	0.978	ppbv	95
35) Carbon Tetrachloride	7.02	117	224367	0.968	ppbv	100
36) Benzene	6.90	78	240306	0.935	ppbv	95
37) 1,2-Dichloroethane	6.30	62	171336	0.987	ppbv #	96
38) Trichloroethene	7.85	130	100343	0.952	ppbv	93
39) 1,2-Dichloropropane	7.62	63	93142	0.906	ppbv	98
40) 1,4-Dioxane	7.87	88	37726m	0.920	ppbv	
41) Tetrahydrofuran	6.05	42	80632	0.856	ppbv	94
42) Bromodichloromethane	7.80	83	233988	1.010	ppbv	96
43) Methyl Methacrylate	8.03	69	95871	0.876	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035235.D
 Acq On : 29 Jul 2020 4:02
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

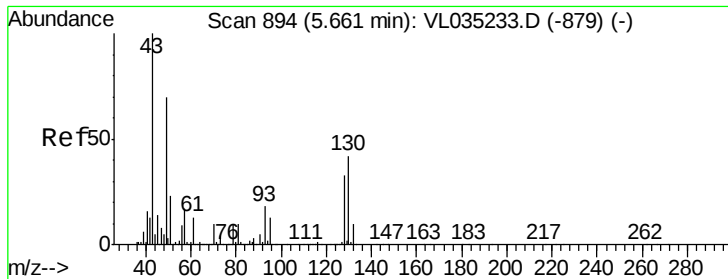
MMDadoda
 7/30/2020 6:10:23 PM

Quant Time: Jul 29 06:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.88	57	443390	0.995	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	88756	0.776	ppbv #	88
46) cis-1,3-Dichloropropene	8.72	75	108255m	0.795	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	115755	1.025	ppbv #	86
48) Dibromochloromethane	10.33	129	175278	0.956	ppbv	97
49) Bromoform	13.08	173	158046m	0.976	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	252730	0.928	ppbv	95
51) 2-Hexanone	10.16	43	183168m	0.878	ppbv	
52) Tetrachloroethene	11.26	164	91992	0.951	ppbv #	81
53) Toluene	9.83	91	232295	0.853	ppbv	99
54) 1,2-Dibromoethane	10.64	107	163227	0.975	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	160077	1.099	ppbv #	70
57) Chlorobenzene	12.18	112	261479	1.077	ppbv	94
58) Ethyl Benzene	12.74	91	331376	0.914	ppbv	93
59) m/p-Xylene	13.03	91	661975m	2.042	ppbv	
60) o-Xylene	13.73	91	325169	1.005	ppbv	98
61) Styrene	13.56	104	173737	0.870	ppbv	98
62) Isopropylbenzene	14.71	105	502026	1.047	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.72	83	284951m	1.055	ppbv	
64) n-propylbenzene	15.61	120	123493	0.995	ppbv	75
65) tert-Butylbenzene	16.79	119	455338	1.058	ppbv	98
66) Benzyl Chloride	17.03	91	159319m	1.027	ppbv	
67) sec-Butylbenzene	17.34	105	678309m	1.082	ppbv	
69) p-Isopropyltoluene	17.70	119	546686	1.104	ppbv	98
70) n-Butylbenzene	18.60	91	581369	1.107	ppbv	96
71) 2-Chlorotoluene	15.50	91	364340	1.004	ppbv	95
72) 4-Ethyltoluene	15.88	105	357175	0.977	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	356093	1.012	ppbv	90
74) 1,2,4-Trimethylbenzene	16.80	105	444626	1.138	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	292745m	1.179	ppbv	
76) 1,4-Dichlorobenzene	17.19	146	258473m	1.121	ppbv	
77) 1,2-Dichlorobenzene	17.87	146	252296m	1.126	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	212083	1.209	ppbv	97
79) Naphthalene	22.27	128	308335	1.187	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	92219	1.490	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	201128	1.227	ppbv	100

(#) = 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: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1453866

Ion Ratio Lower Upper

49 100

128 49.5 24.0 72.0

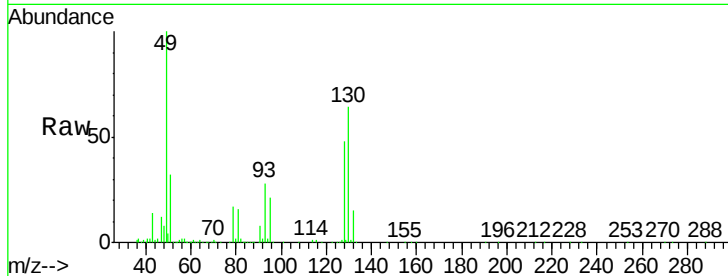
130 63.2 30.7 92.1

Manual Integrations

APPROVED

MMDadoda

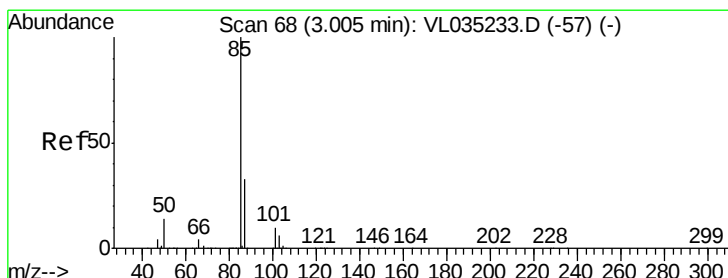
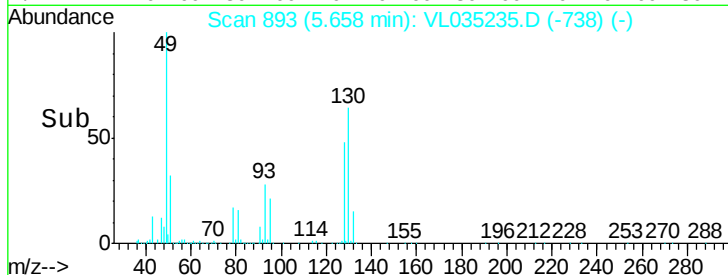
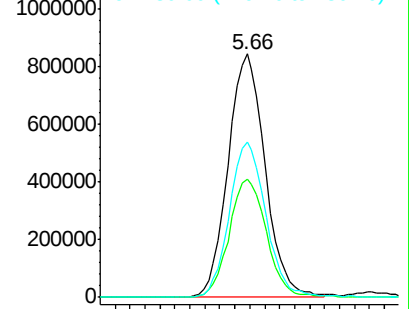
7/30/2020 6:10:23 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.964 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035235.D

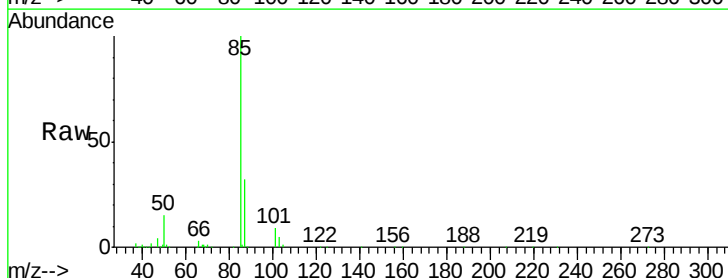
Acq: 29 Jul 2020 4:02

Tgt Ion: 85 Resp: 192757

Ion Ratio Lower Upper

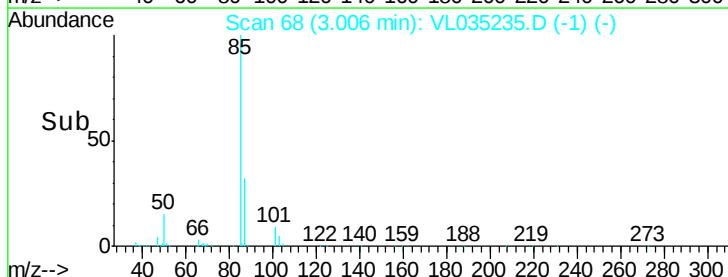
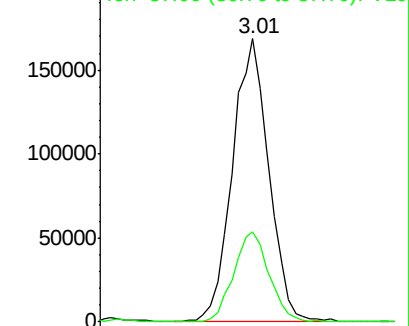
85 100

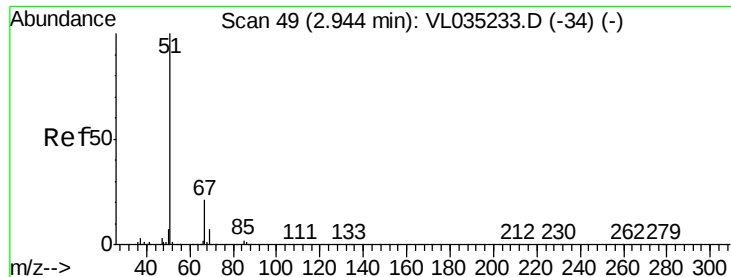
87 31.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.099 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 176917

Ion Ratio Lower Upper

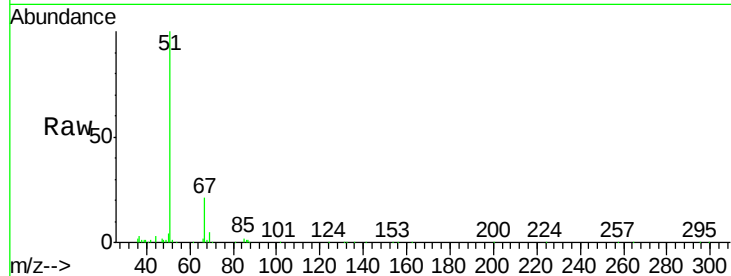
51 100

67 20.0 16.6 25.0

Manual Integrations
APPROVED

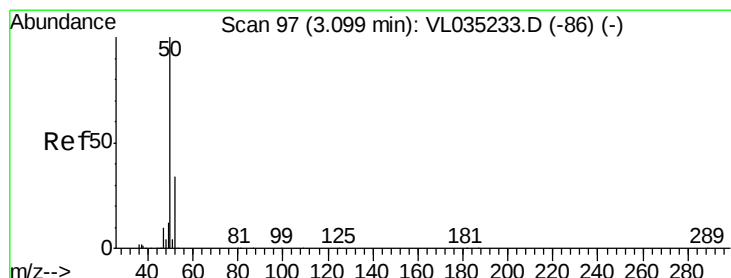
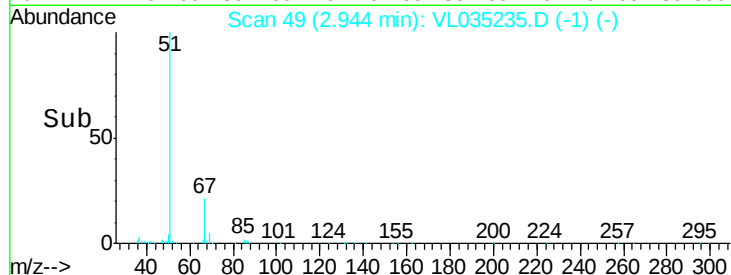
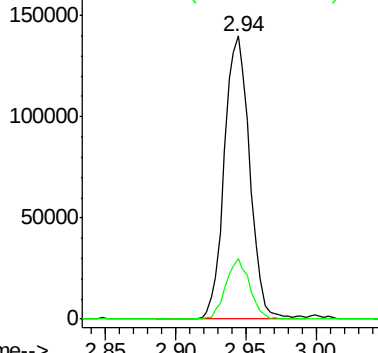
MMDadoda

7/30/2020 6:10:23 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.091 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035235.D

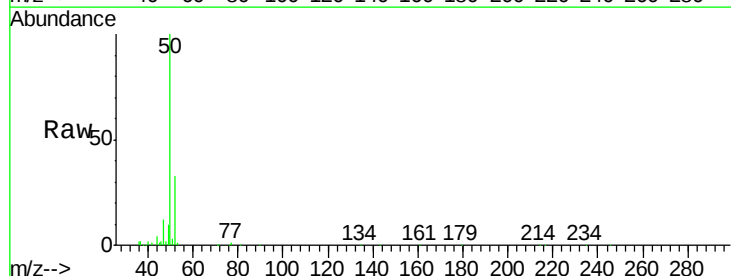
Acq: 29 Jul 2020 4:02

Tgt Ion: 50 Resp: 99181

Ion Ratio Lower Upper

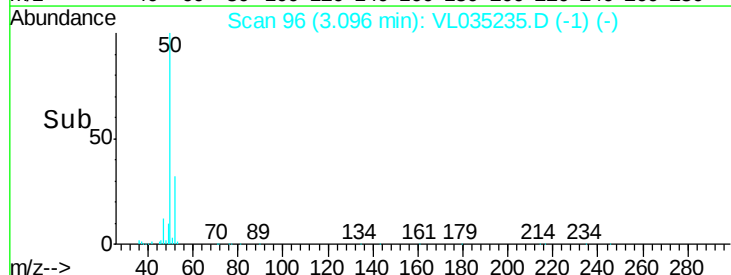
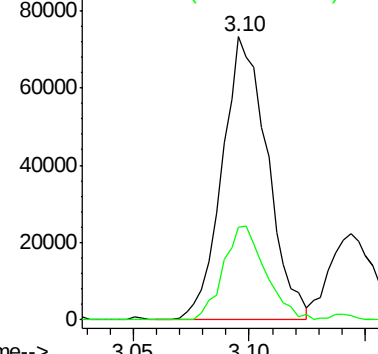
50 100

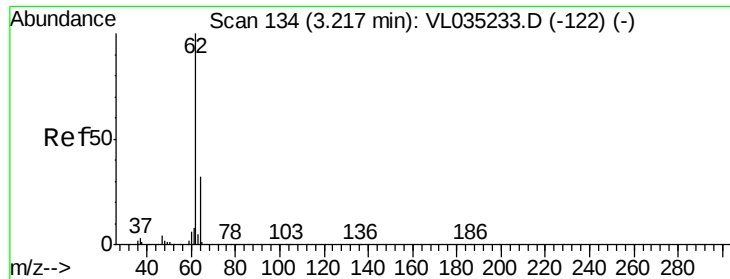
52 32.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.005 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 97720

Ion Ratio Lower Upper

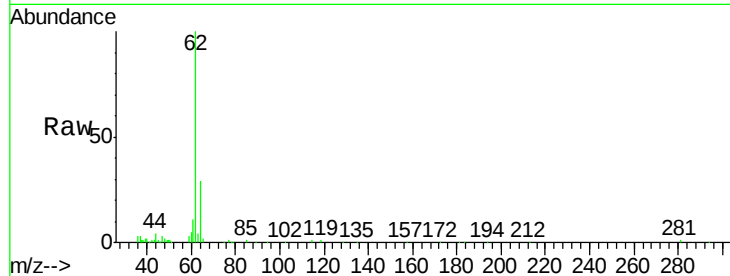
62 100

64 28.8 25.8 38.6

Manual Integrations
APPROVED

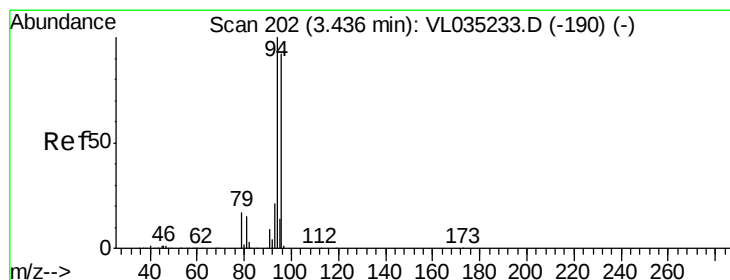
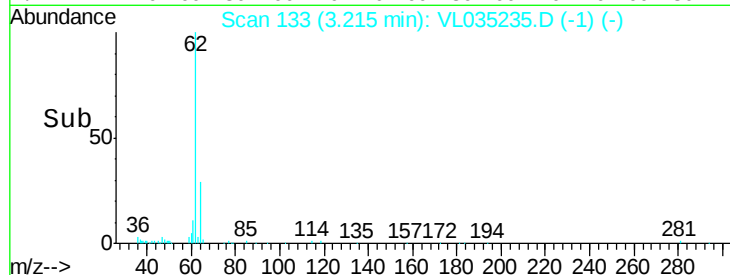
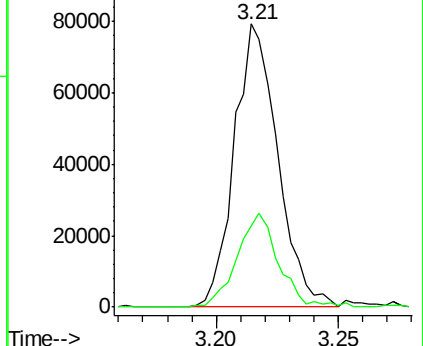
MMDadoda

7/30/2020 6:10:23 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.117 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035235.D

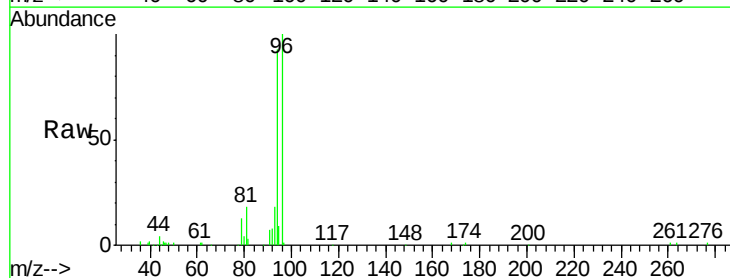
Acq: 29 Jul 2020 4:02

Tgt Ion: 94 Resp: 61652

Ion Ratio Lower Upper

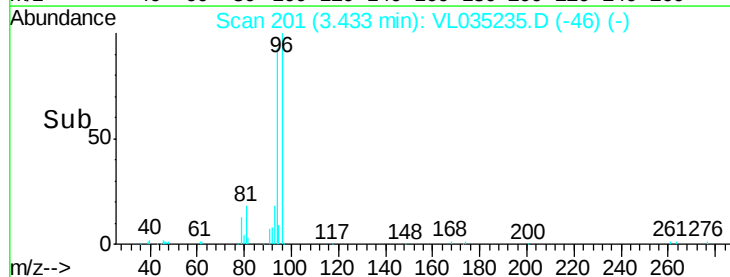
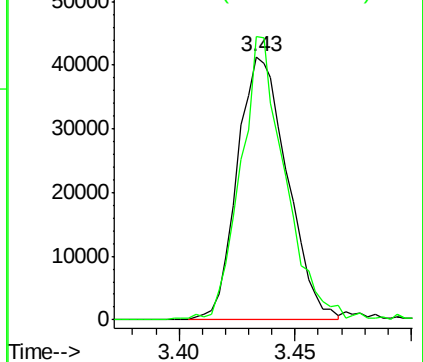
94 100

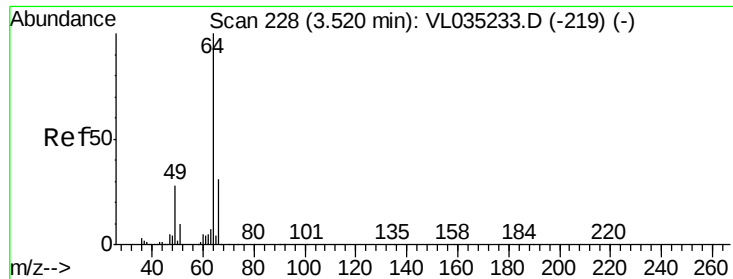
96 107.1 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.026 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 35279

Ion Ratio Lower Upper

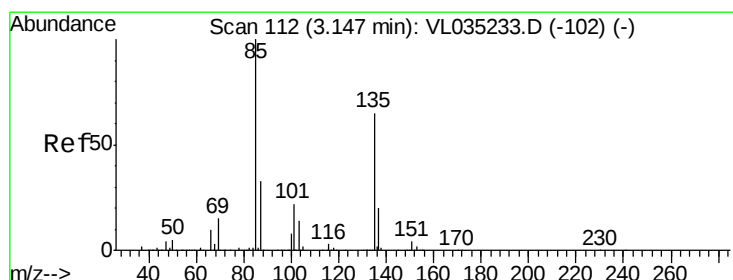
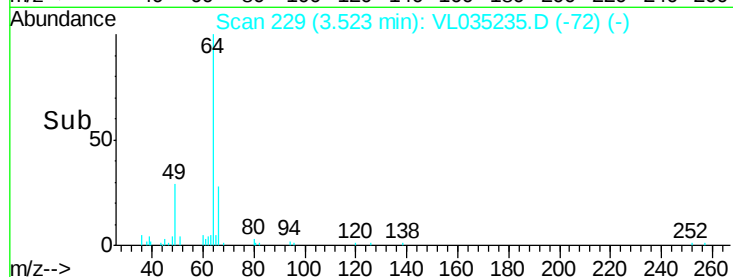
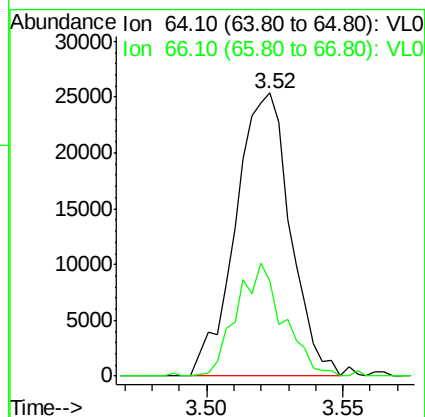
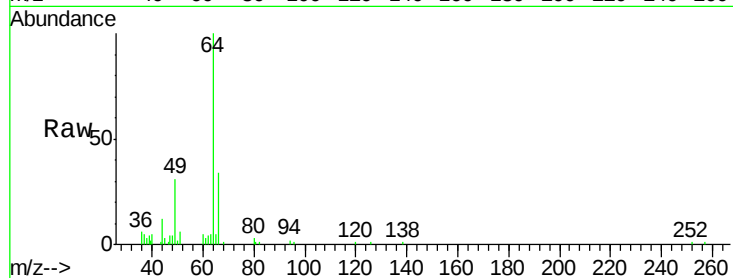
64 100

66 33.6 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:23 PM



#8

Dichlorotetrafluoroethane

Concen: 1.112 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035235.D

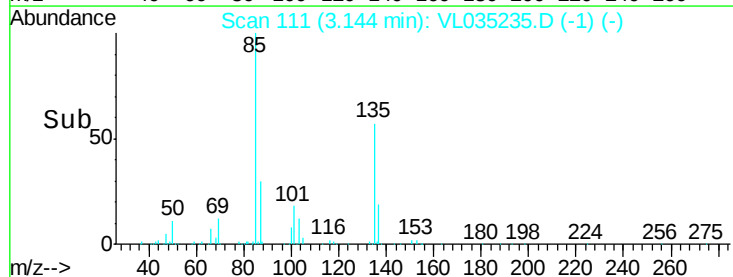
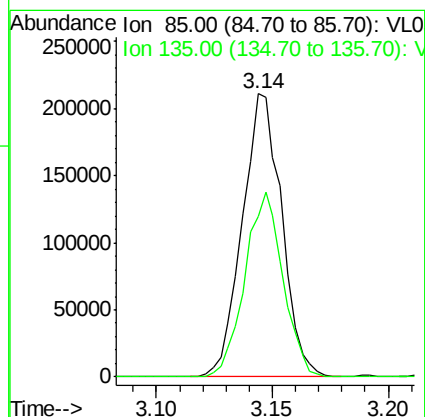
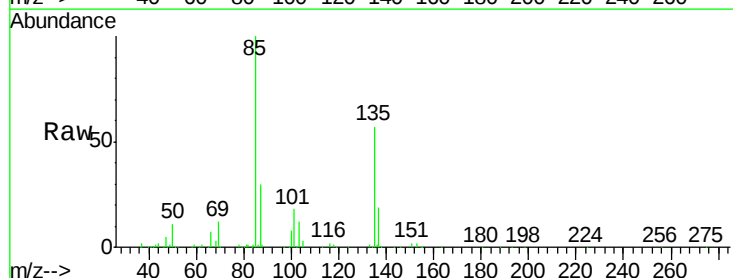
Acq: 29 Jul 2020 4:02

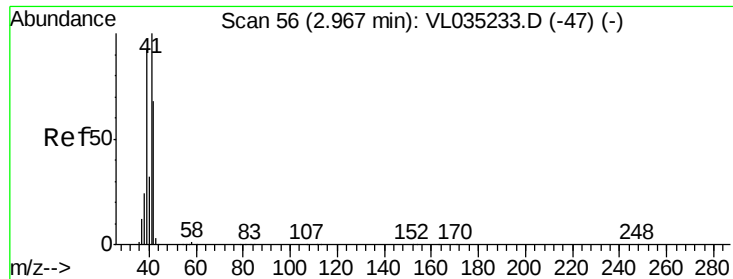
Tgt Ion: 85 Resp: 249508

Ion Ratio Lower Upper

85 100

135 63.3 51.4 77.0





#9

Propene

Concen: 0.945 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 56998

Ion Ratio Lower Upper

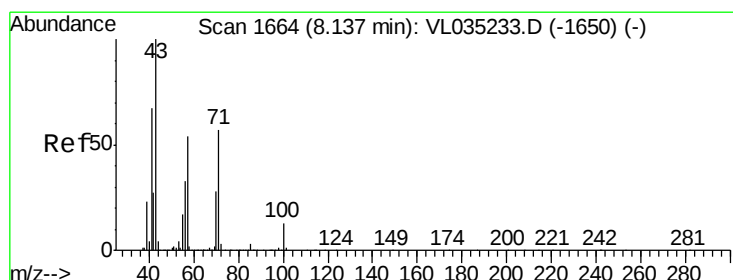
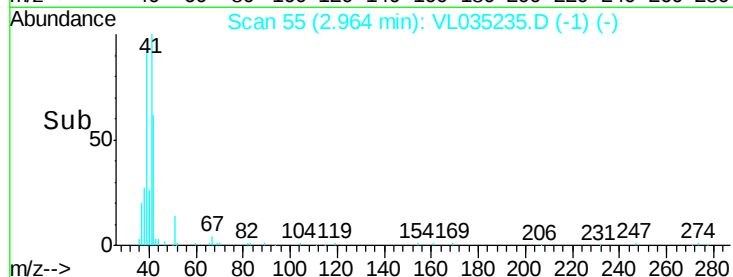
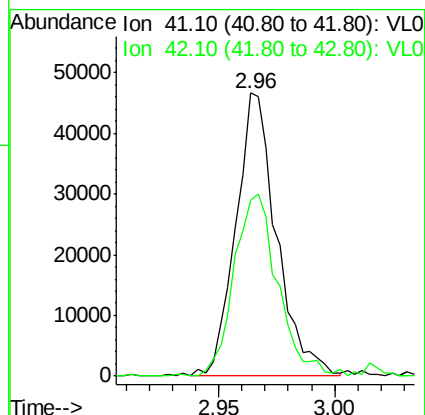
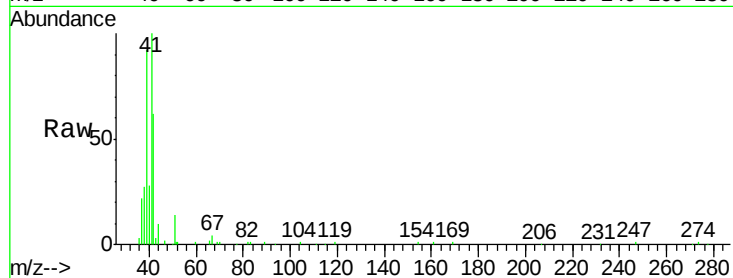
41 100

42 70.6 55.0 82.6

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:23 PM



#10

Heptane

Concen: 0.924 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035235.D

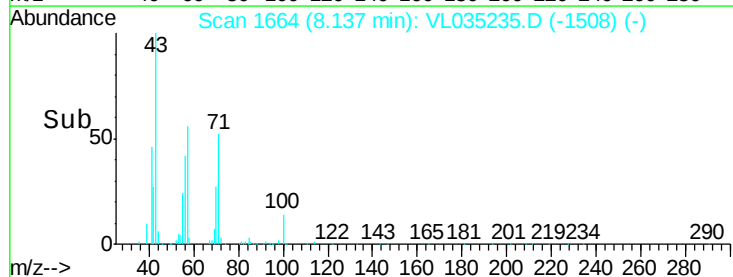
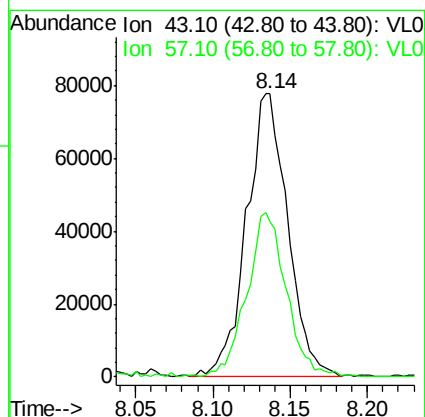
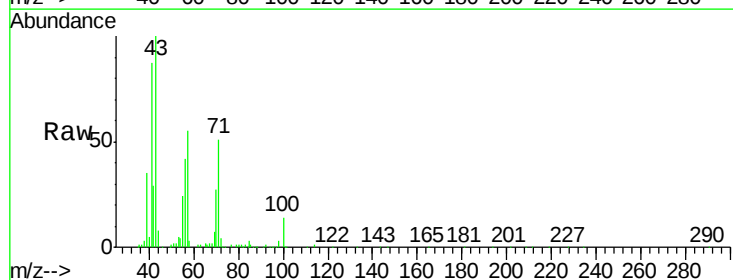
Acq: 29 Jul 2020 4:02

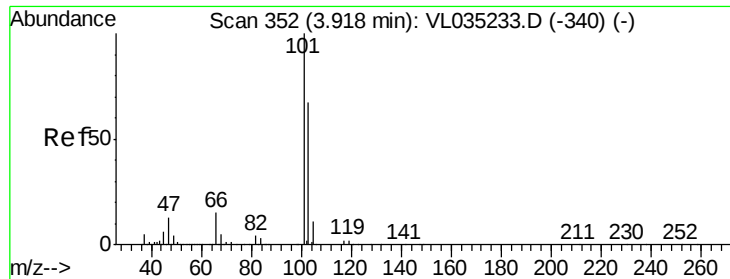
Tgt Ion: 43 Resp: 144750

Ion Ratio Lower Upper

43 100

57 55.9 43.0 64.4





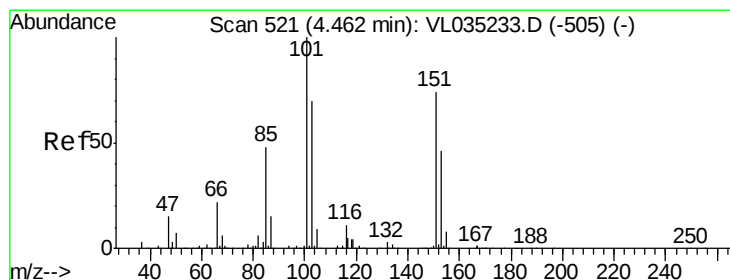
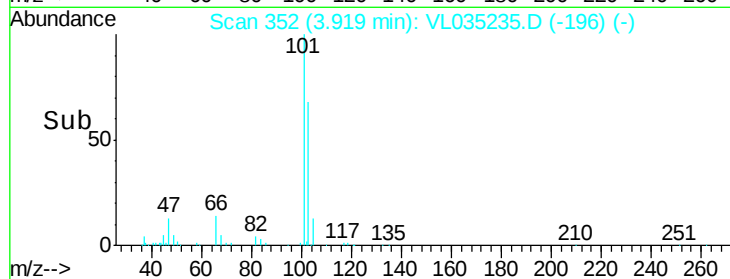
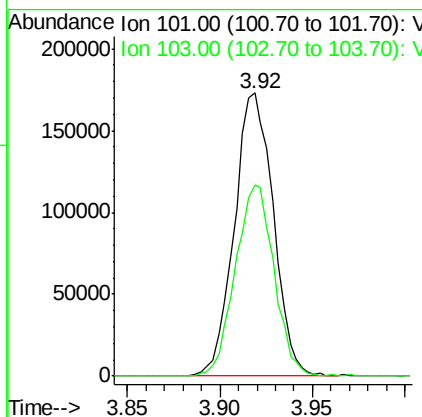
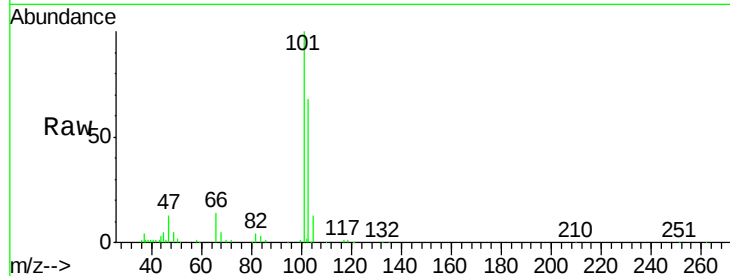
#11
 Trichlorofluoromethane
 Concen: 1.089 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	53.4	80.0

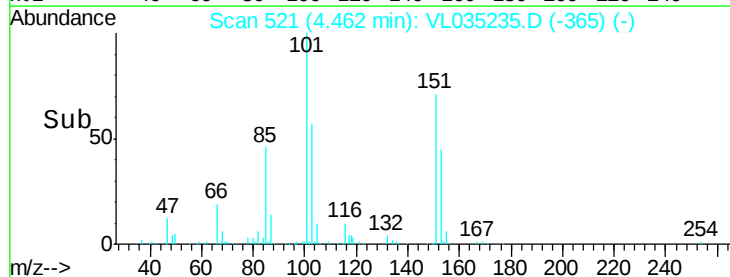
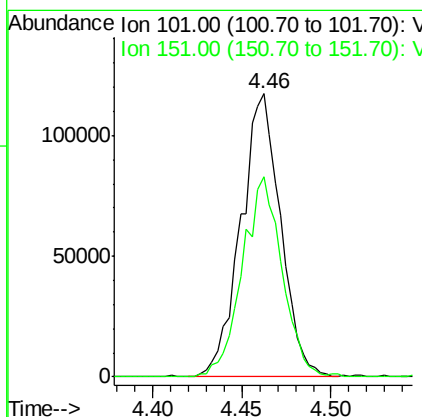
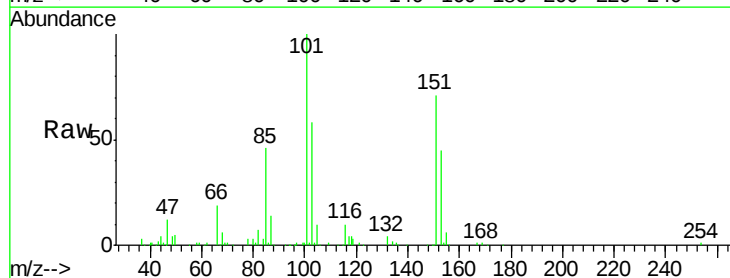
Manual Integrations
 APPROVED

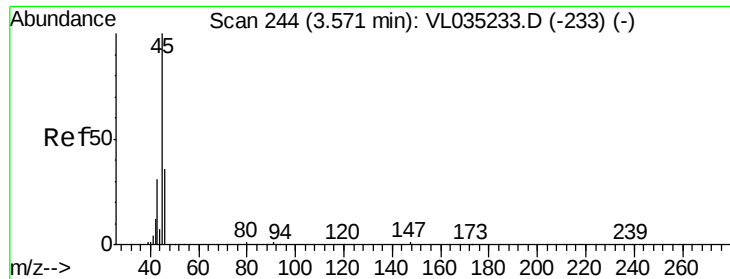
MMDadoda
 7/30/2020 6:10:23 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.123 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
101	100		
151	70.4	56.6	85.0





#13

Ethanol

Concen: 1.414 ppbv m

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 27989

Ion Ratio Lower Upper

45 100

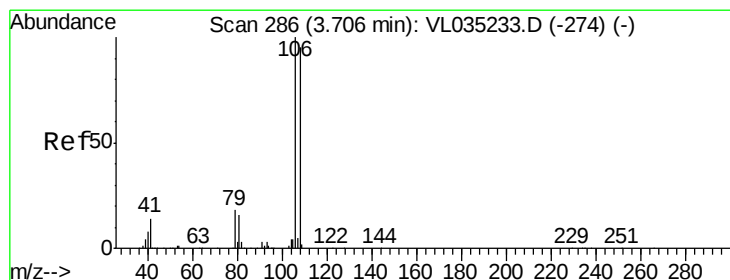
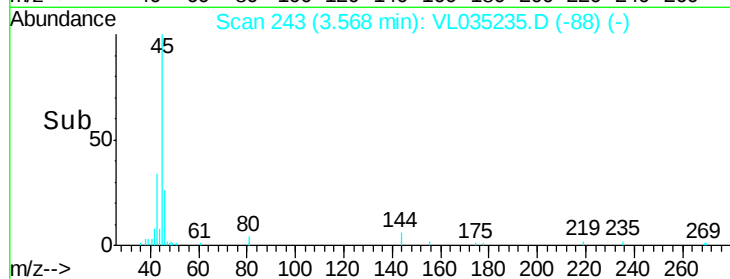
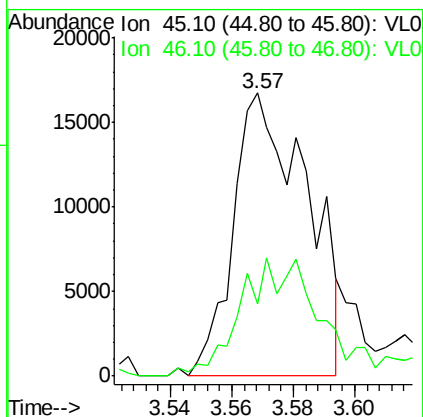
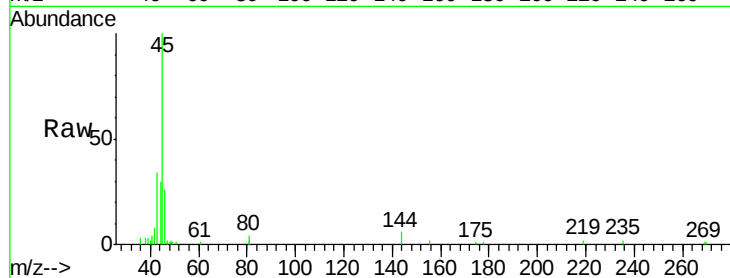
46 49.4 15.8 63.4

Manual Integrations

APPROVED

MMDadoda

7/30/2020 6:10:23 PM



#14

Bromoethene

Concen: 1.048 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

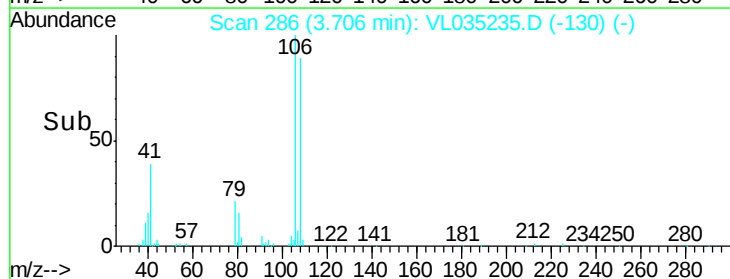
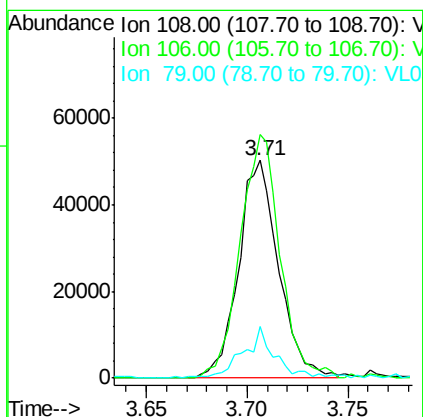
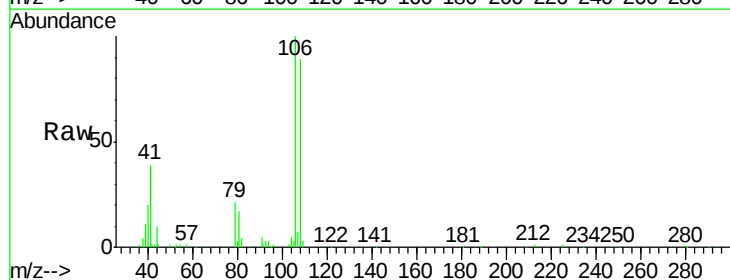
Tgt Ion: 108 Resp: 70037

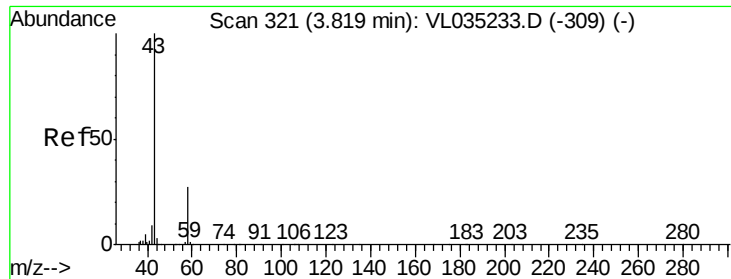
Ion Ratio Lower Upper

108 100

106 111.5 85.0 127.6

79 19.5 15.4 23.2





#15

Acetone

Concen: 1.123 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 221910

Ion Ratio Lower Upper

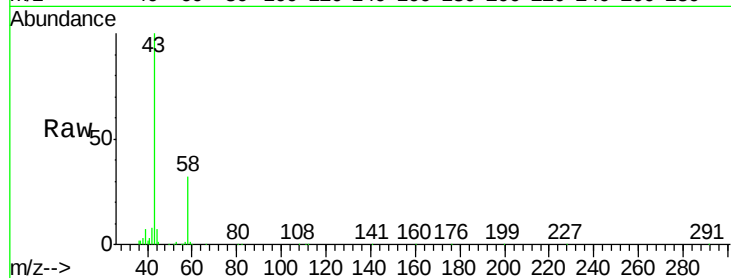
43 100

58 29.9 21.8 32.6

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:23 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

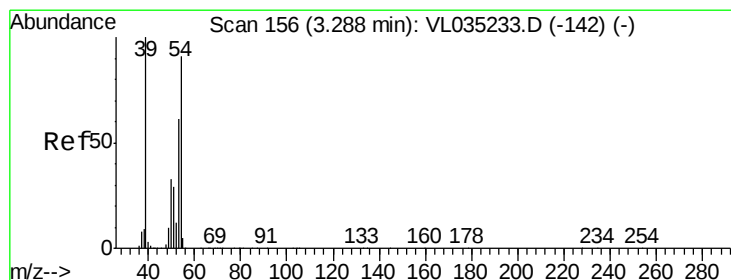
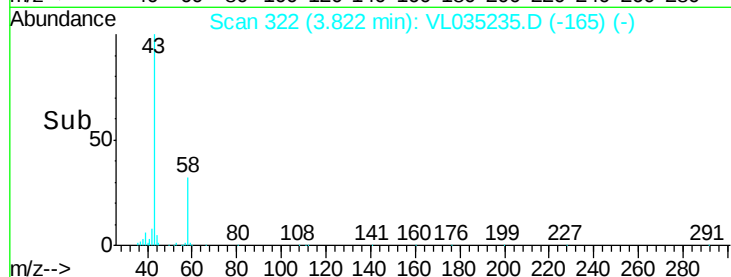
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.005 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.00 min

Lab File: VL035235.D

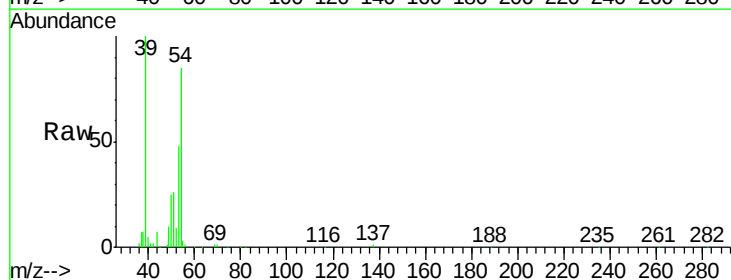
Acq: 29 Jul 2020 4:02

Tgt Ion: 39 Resp: 76105

Ion Ratio Lower Upper

39 100

54 88.6 68.2 102.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.29

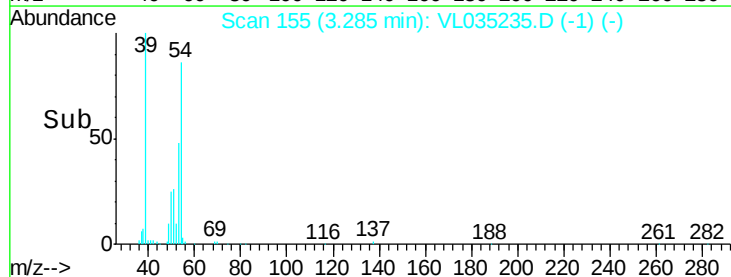
60000

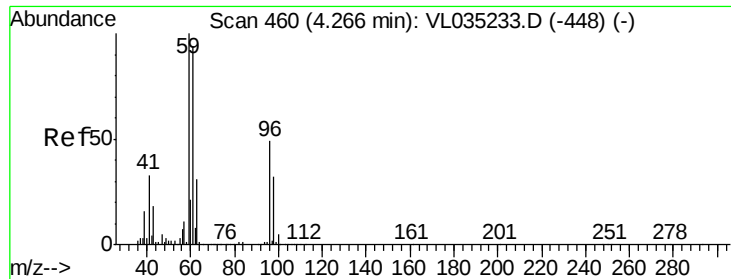
40000

20000

0

Time-->





#17

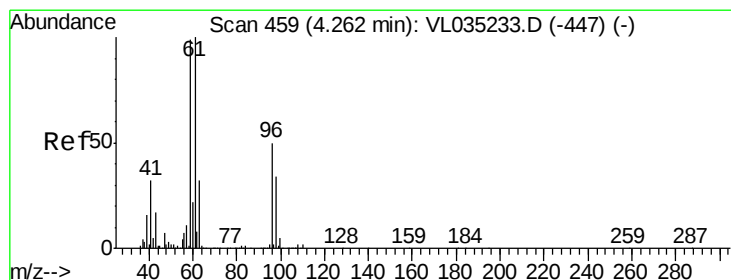
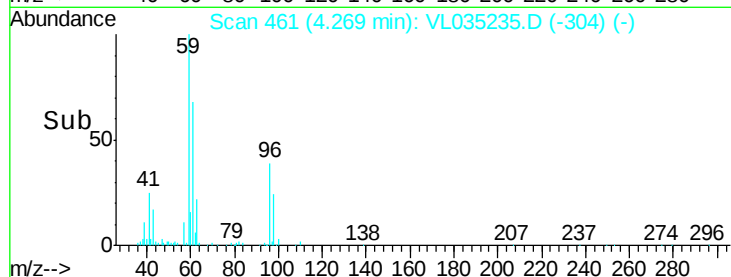
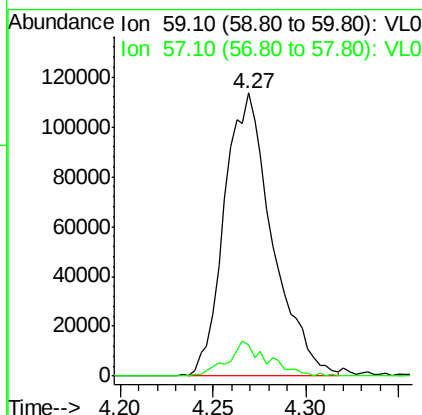
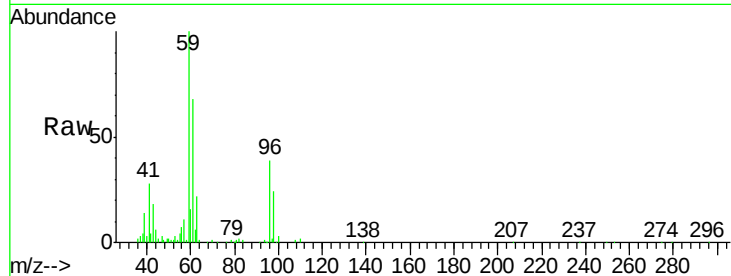
tert-Butyl alcohol
 Concen: 1.158 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	59	Resp	204316
Ion Ratio	100	Lower	Upper
57	10.6	8.6	12.8

Manual Integrations
 APPROVED

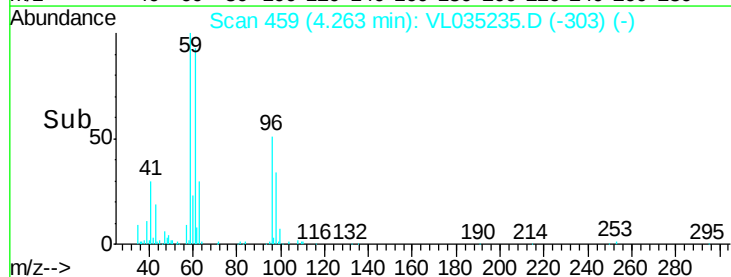
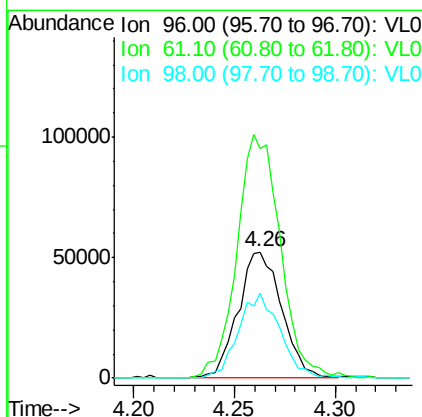
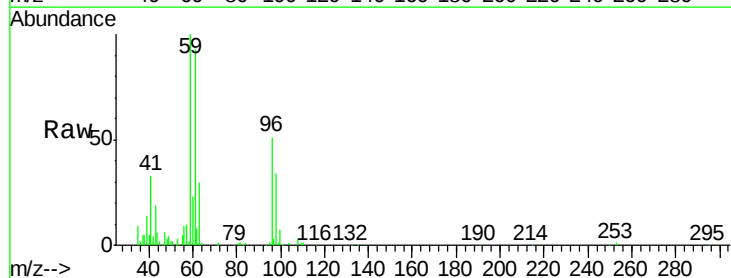
MMDadoda
 7/30/2020 6:10:23 PM

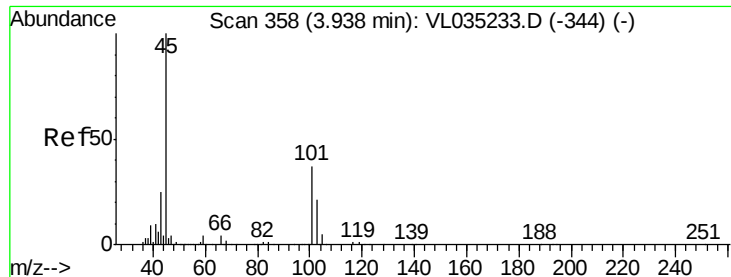


#18

1,1-Dichloroethene
 Concen: 1.104 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	96	Resp	79682
Ion Ratio	100	Lower	Upper
61	181.6	159.4	239.2
98	67.5	53.9	80.9





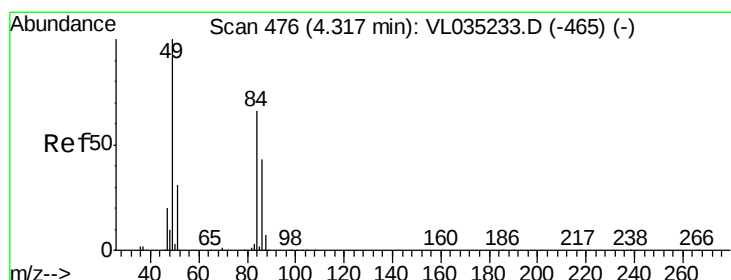
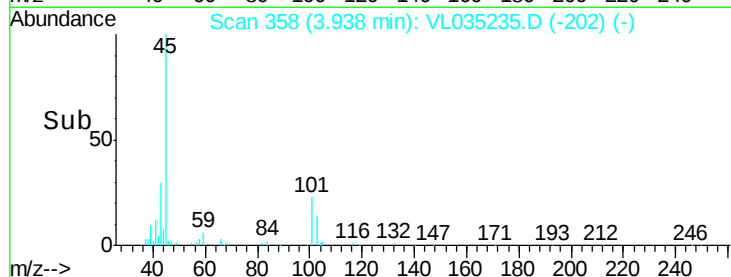
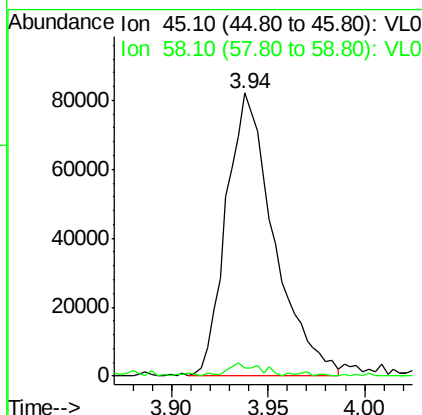
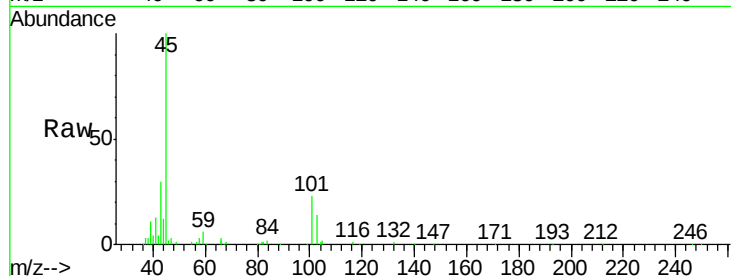
#19
Isopropyl Alcohol
Concen: 1.170 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 140975
Ion Ratio Lower Upper
45 100
58 3.4 1.9 2.9#

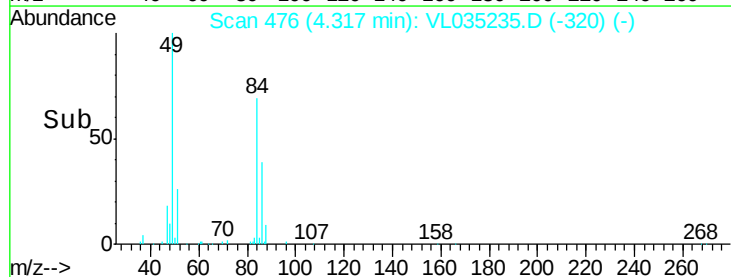
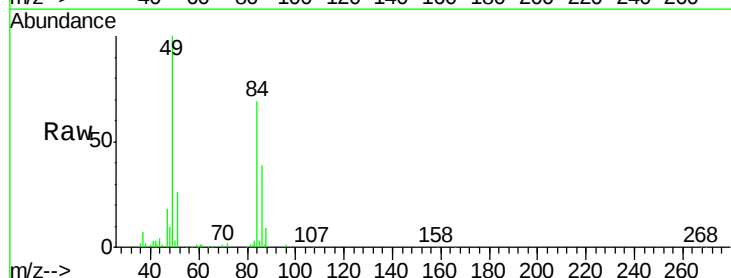
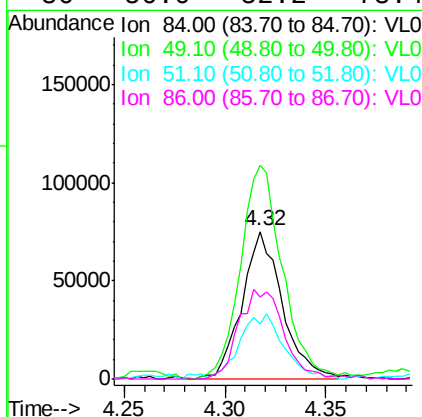
Manual Integrations
APPROVED

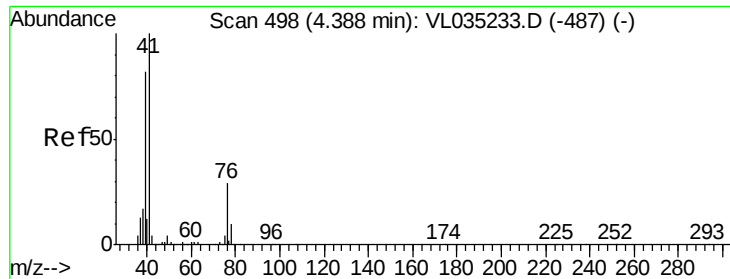
MMDadoda
7/30/2020 6:10:23 PM



#20
Methylene Chloride
Concen: 1.223 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 84 Resp: 105692
Ion Ratio Lower Upper
84 100
49 141.7 121.0 181.4
51 37.1 37.7 56.5#
86 56.0 52.2 78.4





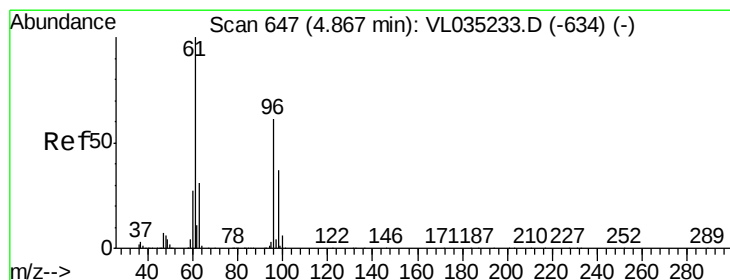
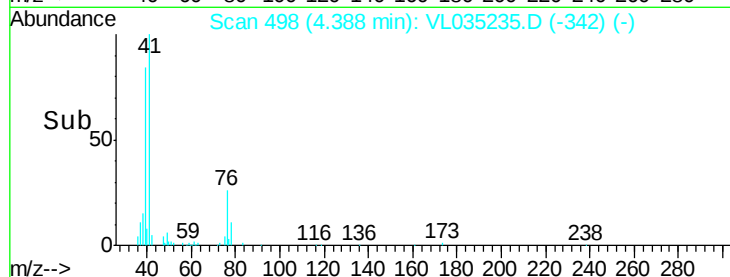
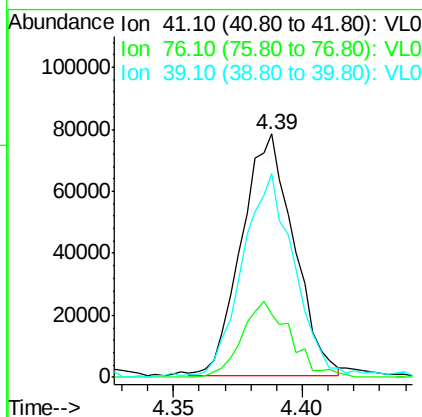
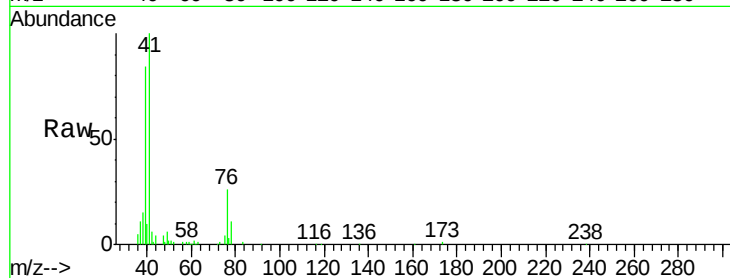
#21
Allvl Chloride
Concen: 0.958 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.3	24.4	36.6
39	85.3	63.8	95.8

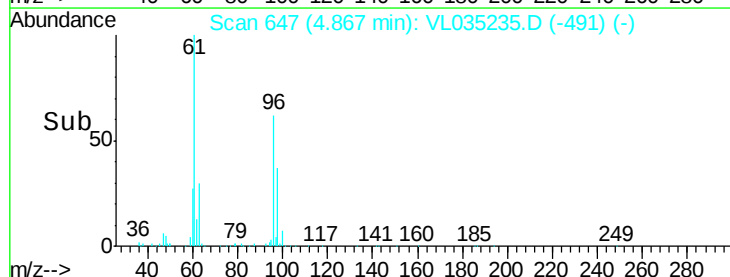
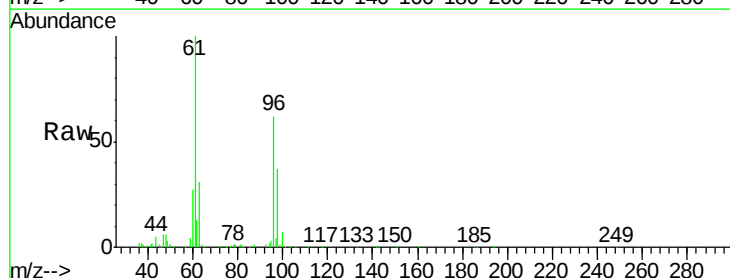
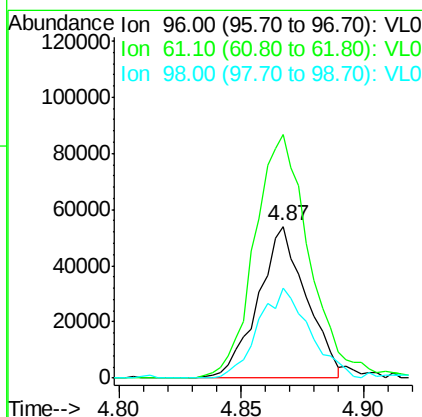
Manual Integrations
APPROVED

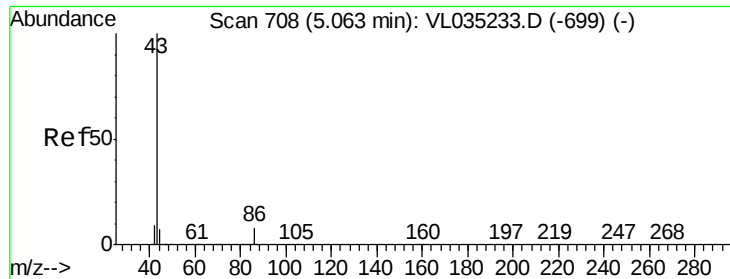
MMDadoda
7/30/2020 6:10:23 PM



#22
trans-1,2-Dichloroethene
Concen: 1.028 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	131.6	197.4
98	61.3	49.0	73.4





#23

Vinyl Acetate

Concen: 0.899 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

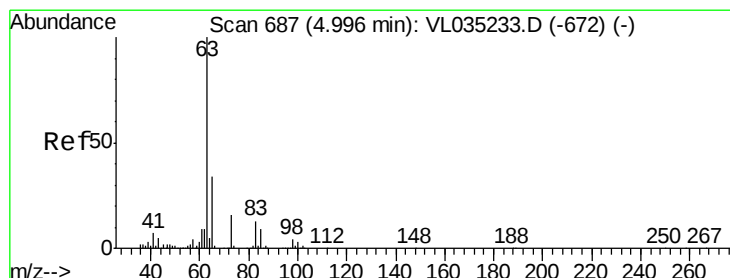
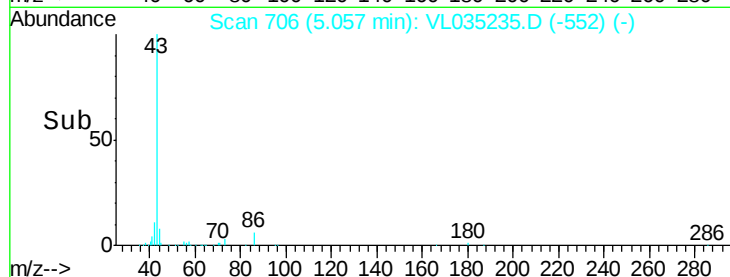
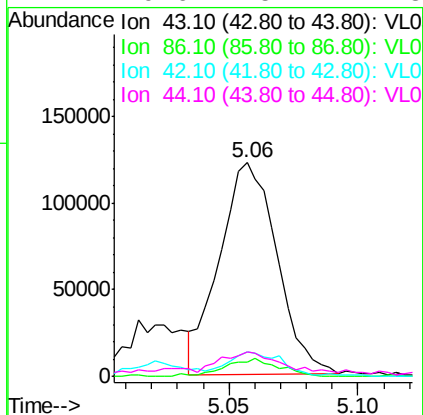
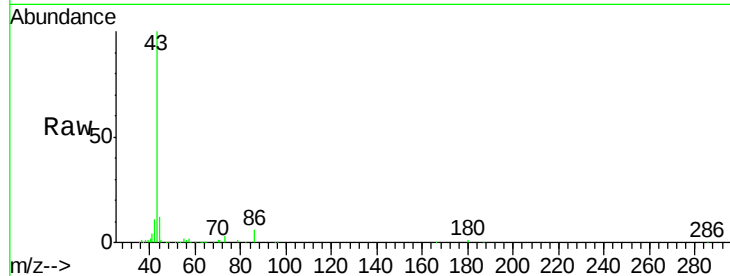
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		189991		
86	6.6	6.2	9.2		
42	10.5	8.0	12.0		
44	9.6	5.2	7.8		

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:23 PM



#24

1,1-Dichloroethane

Concen: 1.039 ppbv

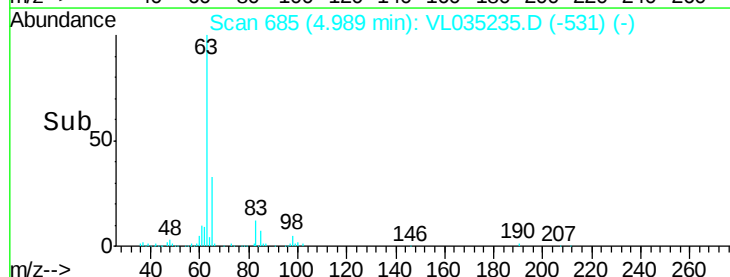
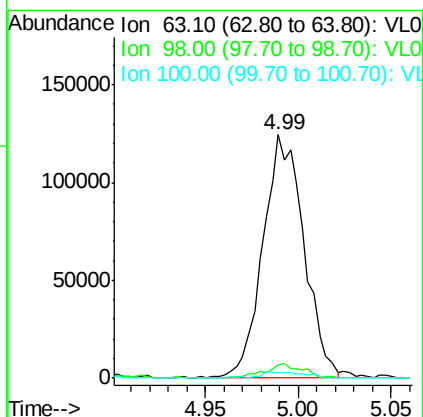
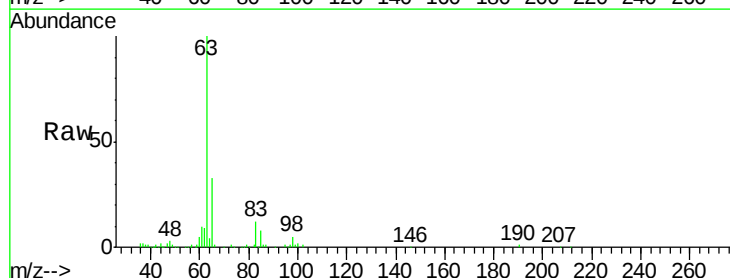
RT: 4.99 min Scan# 685

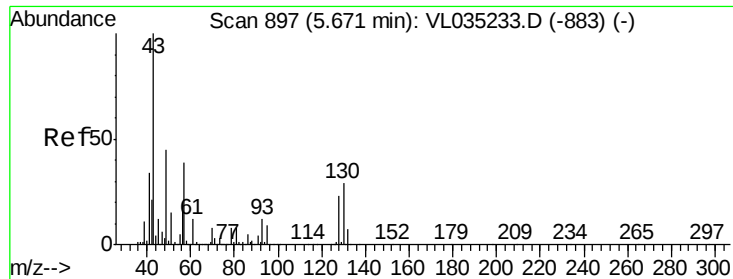
Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		190609		
98	5.2	1.9	5.7		
100	2.4	1.4	4.2		





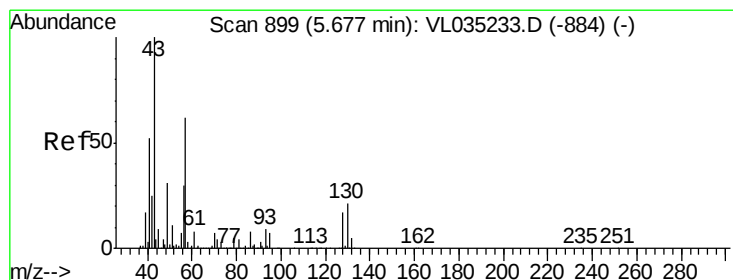
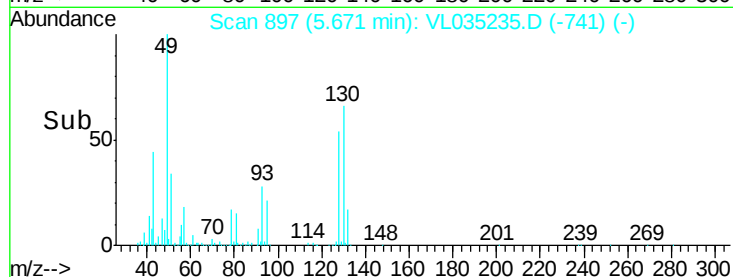
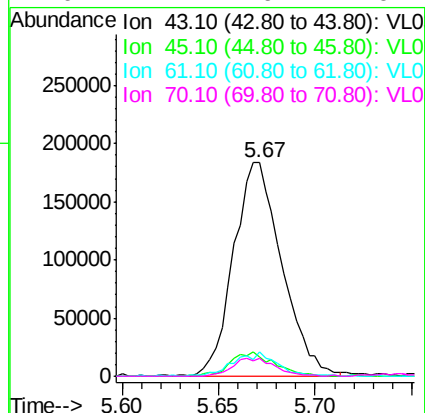
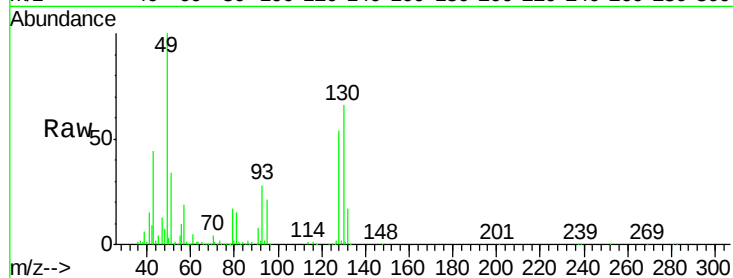
#25
Ethyl Acetate
Concen: 1.042 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.5	8.1	12.1
70	7.7	6.2	9.4

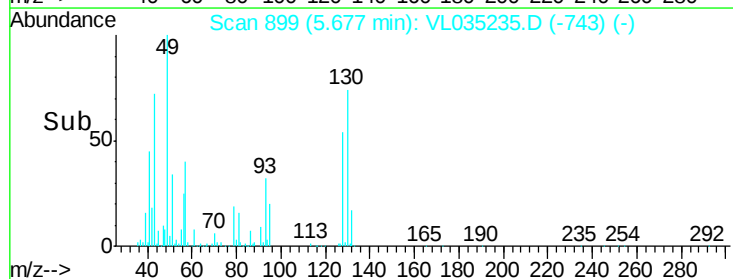
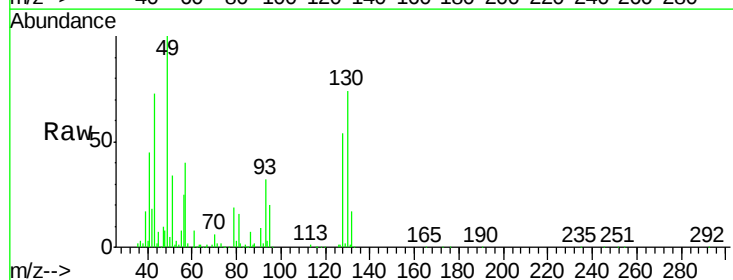
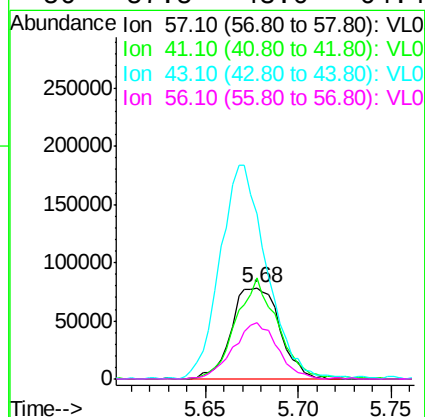
Manual Integrations
APPROVED

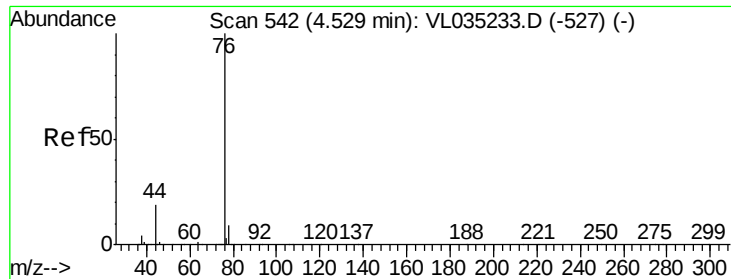
MMDadoda
7/30/2020 6:10:23 PM



#26
Hexane
Concen: 1.048 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.0	73.9	110.9
43	225.1	177.6	266.4
56	57.5	43.0	64.4





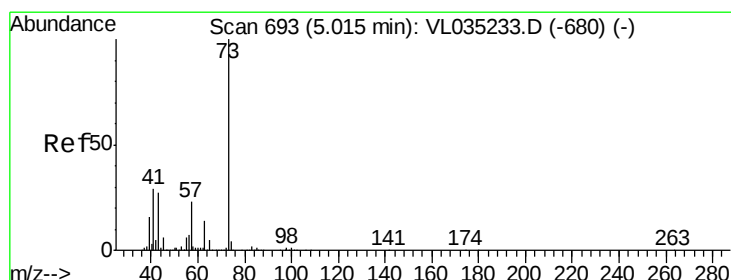
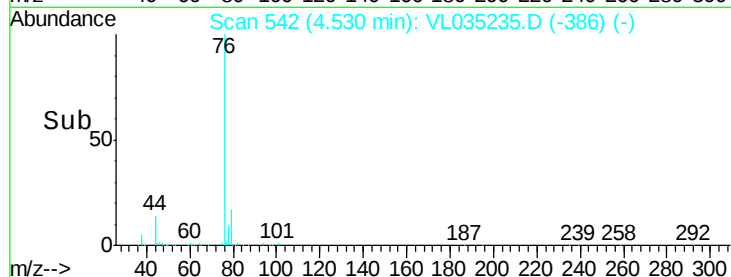
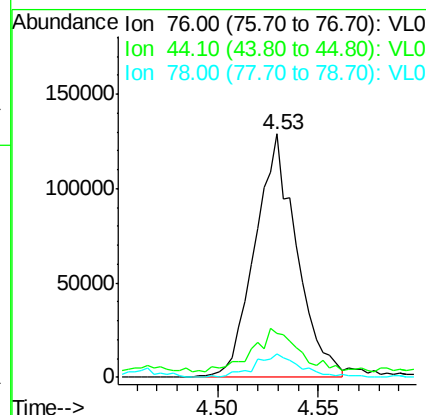
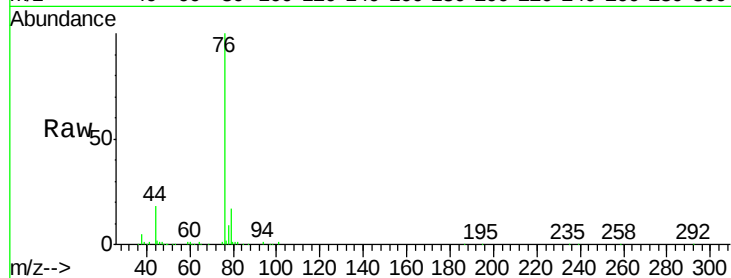
#27
Carbon Disulfide
Concen: 0.990 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.2	14.7	22.1
78	11.1	7.6	11.4

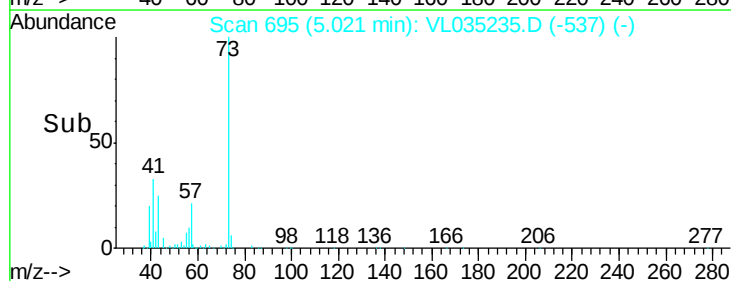
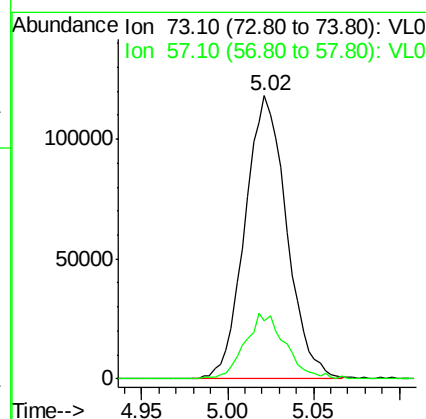
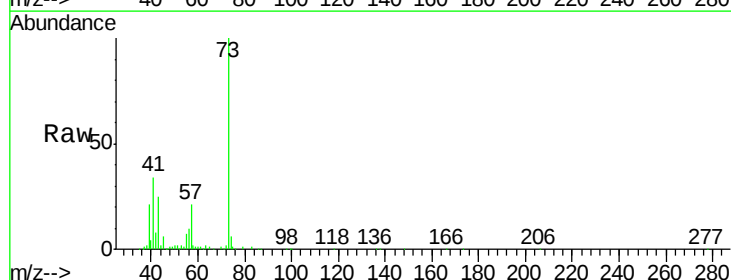
Manual Integrations
APPROVED

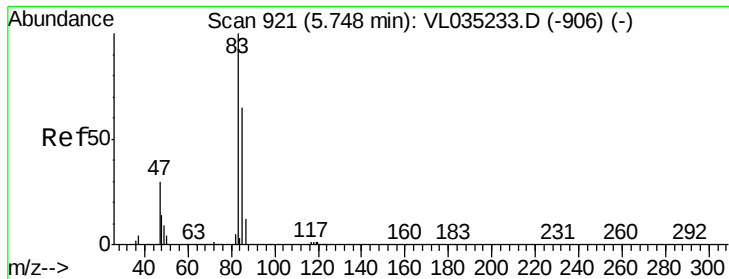
MMDadoda
7/30/2020 6:10:23 PM



#28
Methyl tert-Butyl Ether
Concen: 0.967 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.4





#29

Chloroform

Concen: 1.060 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 240968

Ion Ratio Lower Upper

83 100

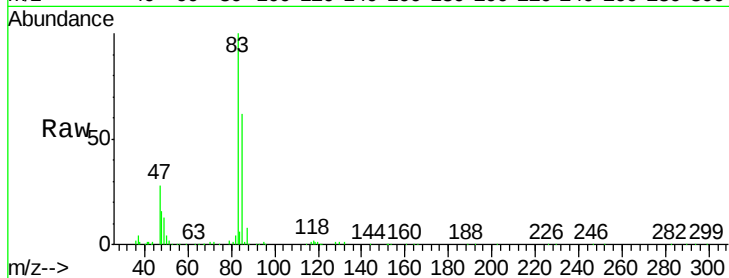
85 61.7 51.7 77.5

Manual Integrations

APPROVED

MMDadoda

7/30/2020 6:10:23 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

150000

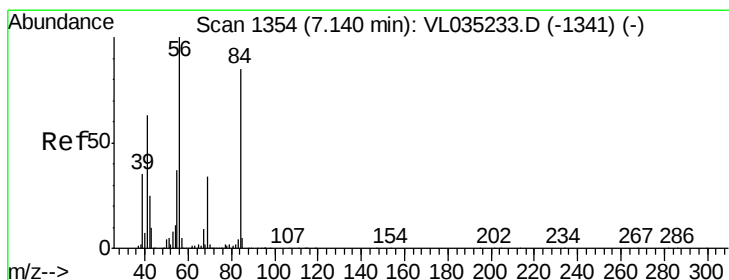
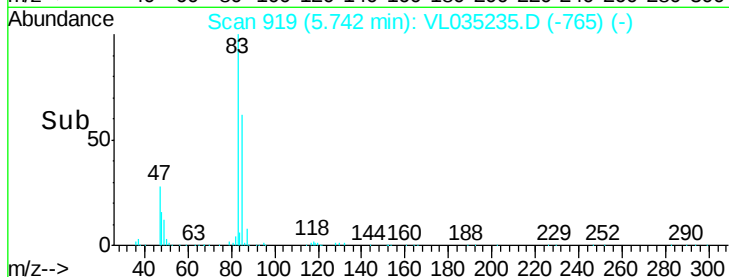
100000

50000

0

5.70 5.75 5.80

Time-->



#30

Cyclohexane

Concen: 0.920 ppbv m

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

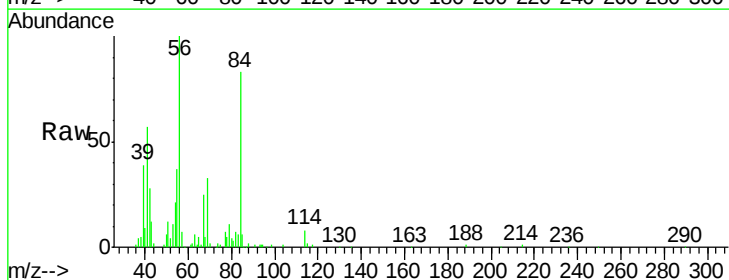
Tgt Ion: 84 Resp: 91962

Ion Ratio Lower Upper

84 100

56 117.3 104.2 156.2

41 81.4 63.7 95.5



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

80000

60000

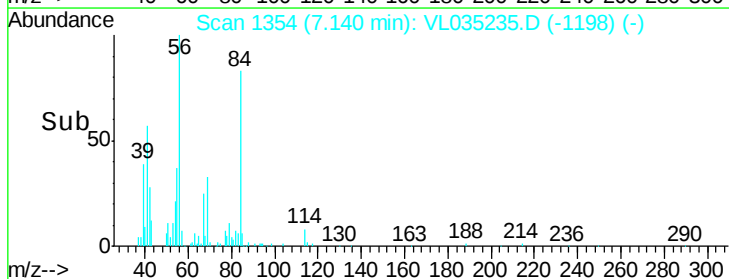
40000

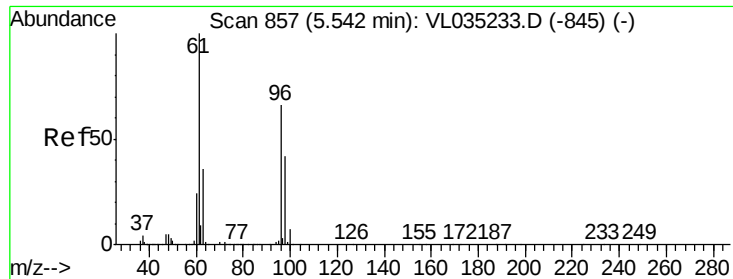
20000

0

7.05 7.10 7.15 7.20

Time-->





#31

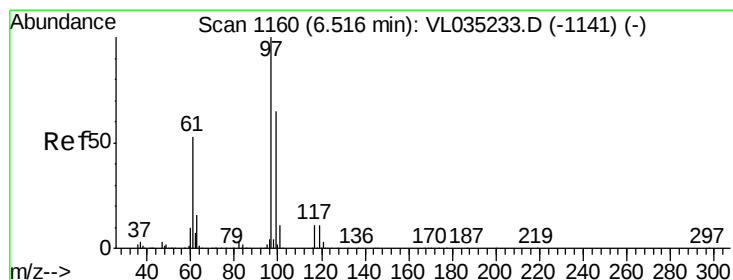
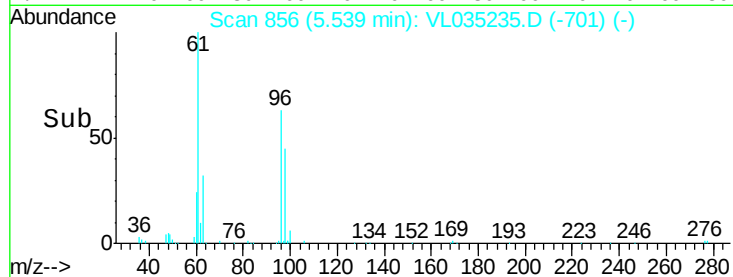
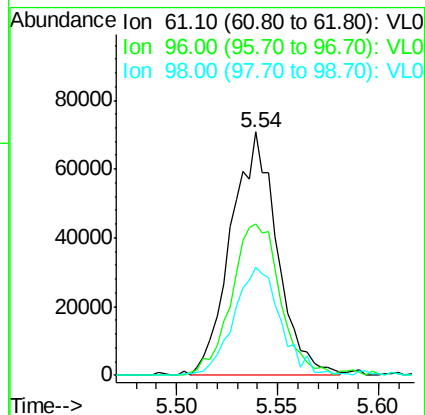
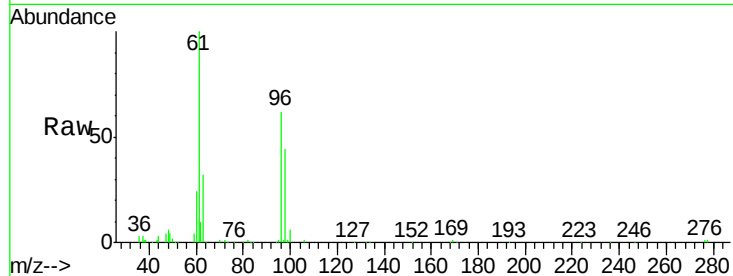
cis-1,2-Dichloroethene
 Concen: 0.891 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	61	Resp	113322
Ion Ratio	Lower	Upper	
61	100		
96	61.1	52.6	78.8
98	44.1	33.7	50.5

Manual Integrations
 APPROVED

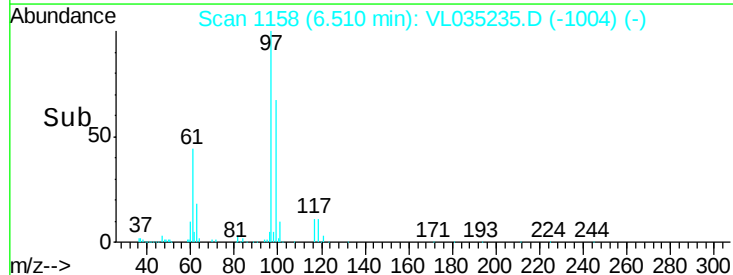
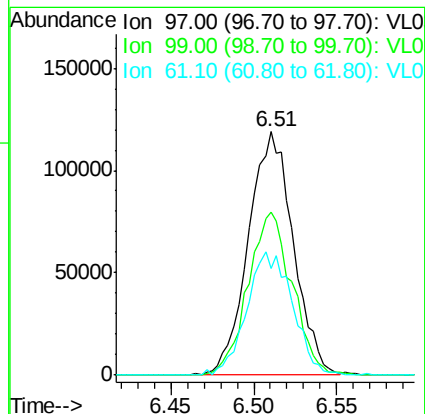
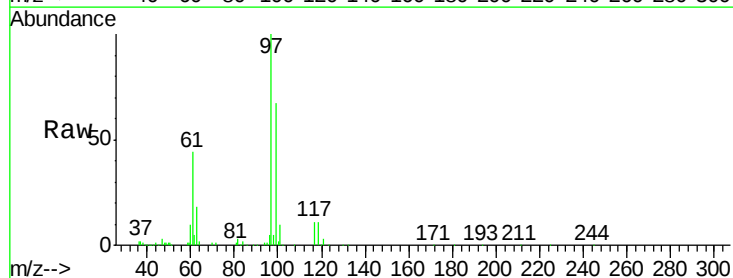
MMDadoda
 7/30/2020 6:10:23 PM

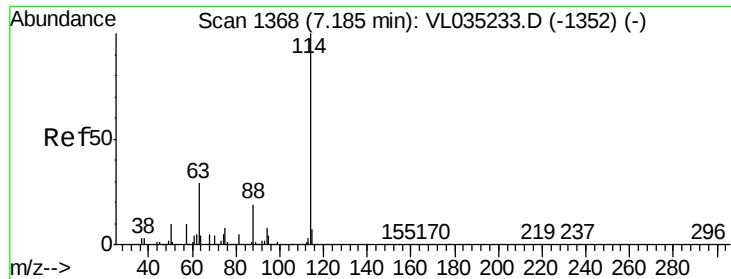


#32

1,1,1-Trichloroethane
 Concen: 0.986 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	97	Resp	224166
Ion Ratio	Lower	Upper	
97	100		
99	65.7	51.4	77.0
61	51.5	40.4	60.6





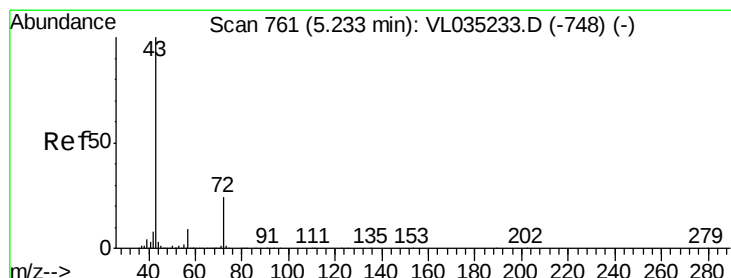
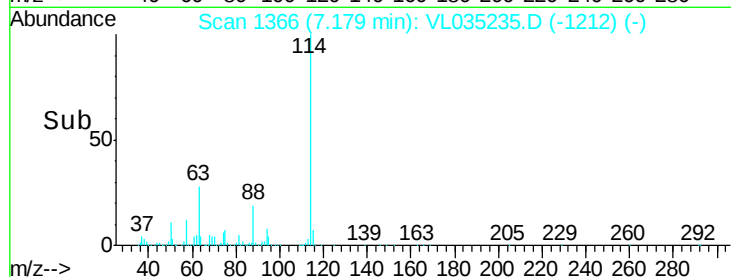
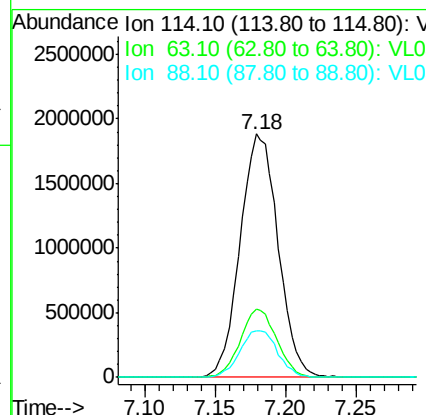
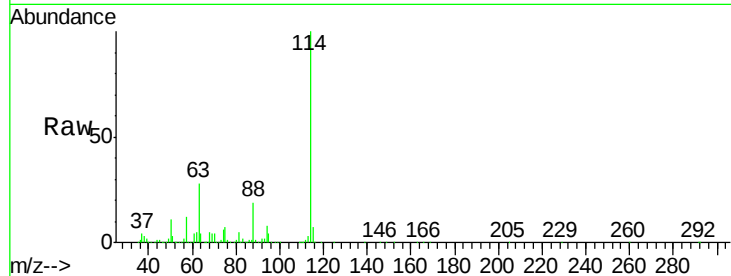
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.2
88	19.1	15.4	23.0

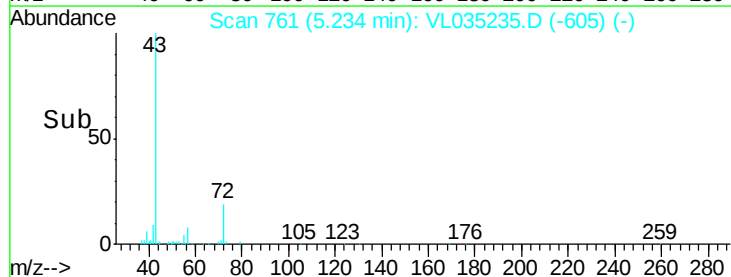
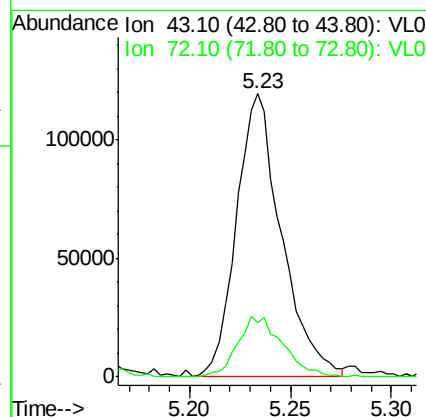
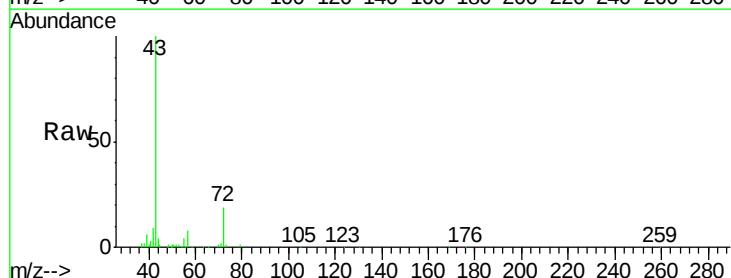
Manual Integrations
 APPROVED

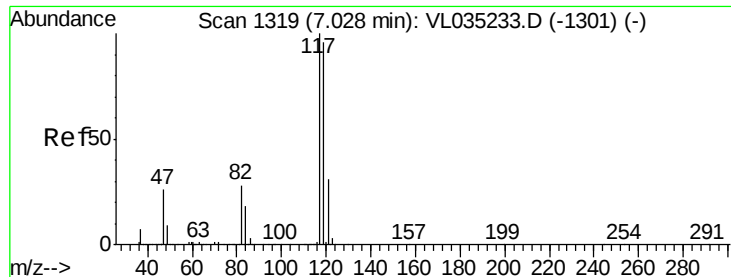
MMDadoda
 7/30/2020 6:10:23 PM



#34
 2-Butanone
 Concen: 0.978 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	19.2	28.8





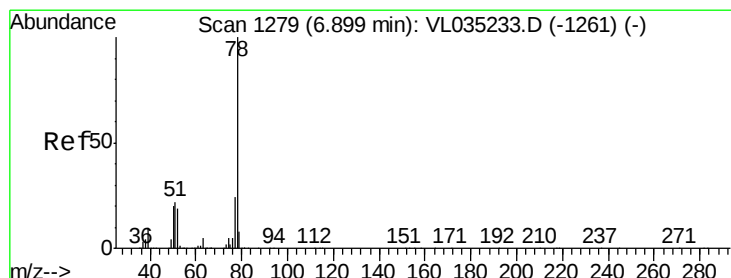
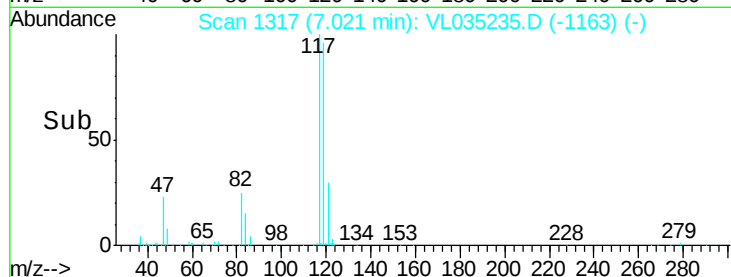
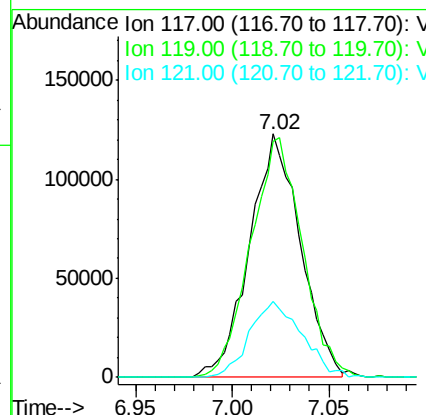
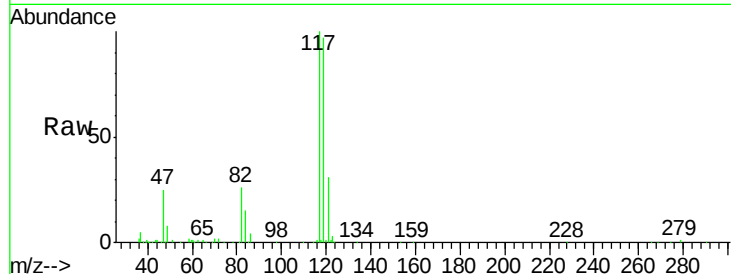
#35
Carbon Tetrachloride
Concen: 0.968 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
121	30.5	24.5	36.7

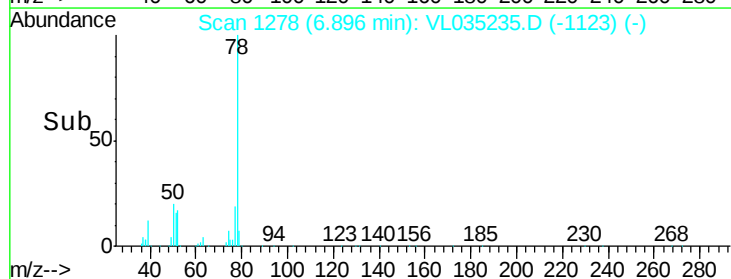
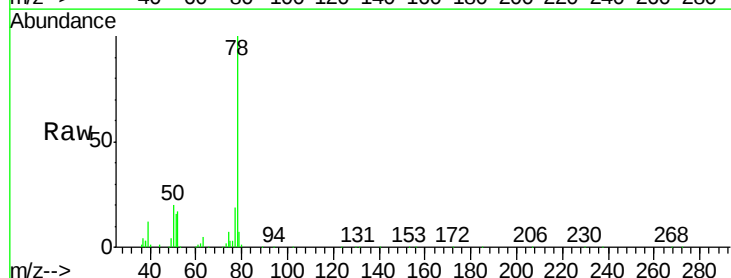
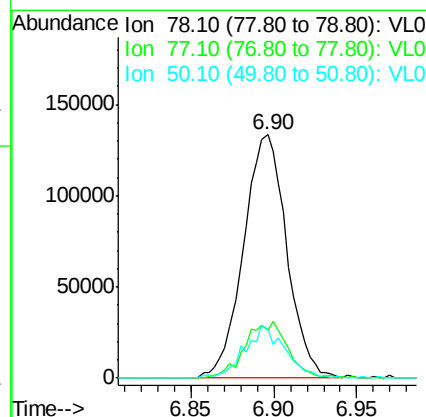
Manual Integrations
APPROVED

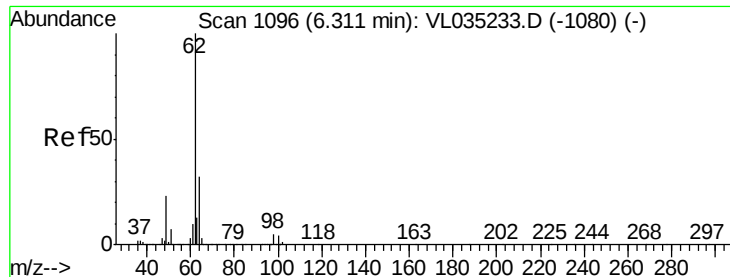
MMDadoda
7/30/2020 6:10:23 PM



#36
Benzene
Concen: 0.935 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.9	28.3
50	20.0	16.1	24.1





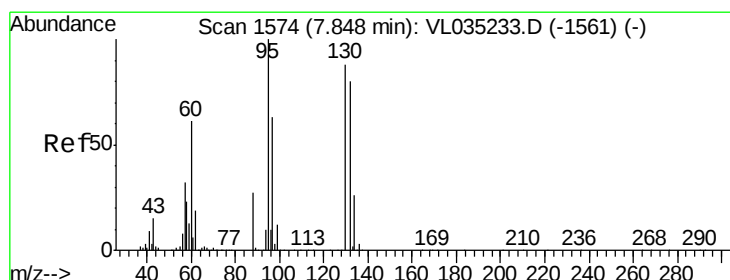
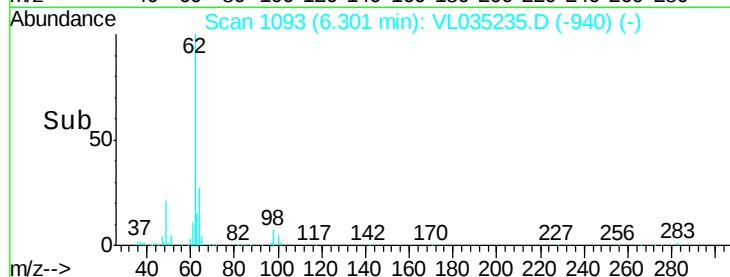
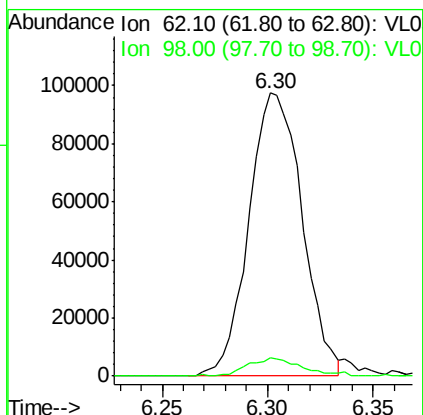
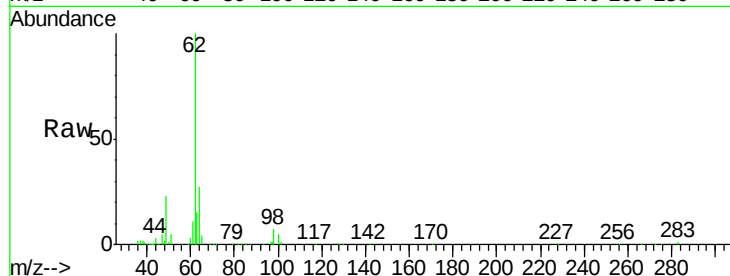
#37
 1,2-Dichloroethane
 Concen: 0.987 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.8	4.5	6.7#

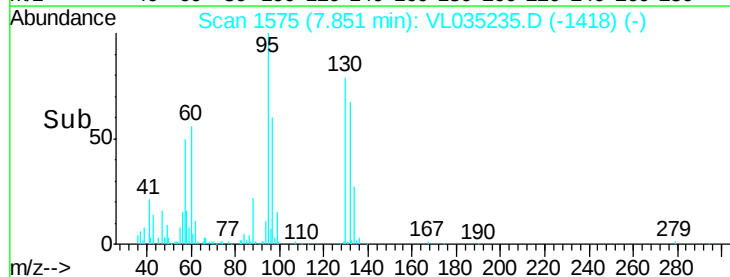
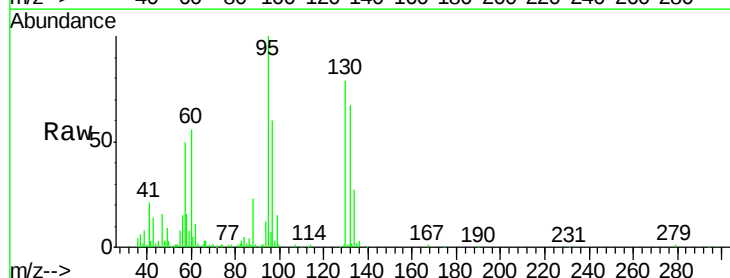
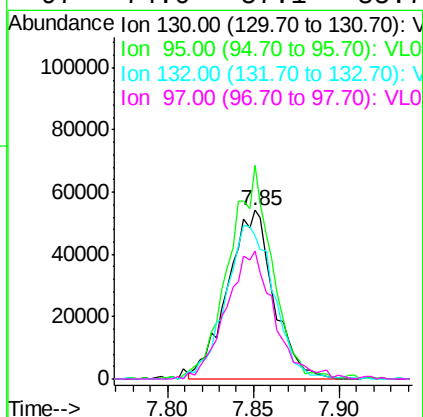
Manual Integrations
 APPROVED

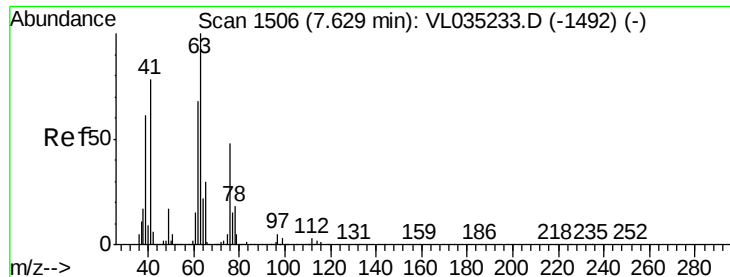
MMDadoda
 7/30/2020 6:10:23 PM



#38
 Trichloroethene
 Concen: 0.952 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	125.7	90.7	136.1
132	86.7	72.9	109.3
97	74.0	57.1	85.7





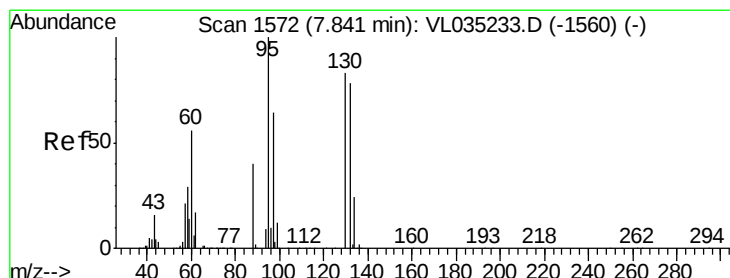
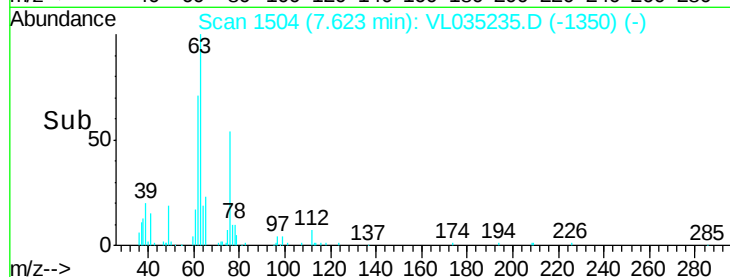
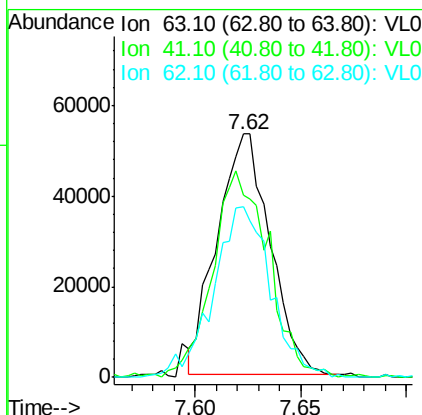
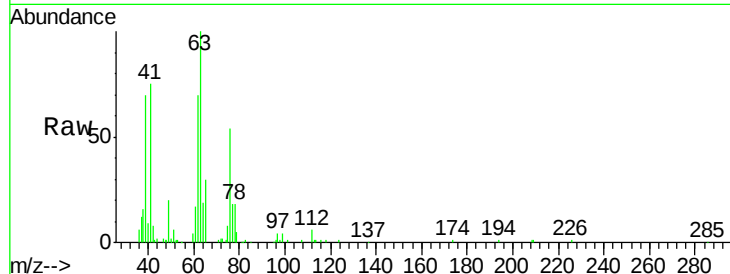
#39
 1,2-Dichloropropane
 Concen: 0.906 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	93142
Ion Ratio	Lower	Upper	
63	100		
41	75.9	62.2	93.4
62	69.3	54.2	81.2

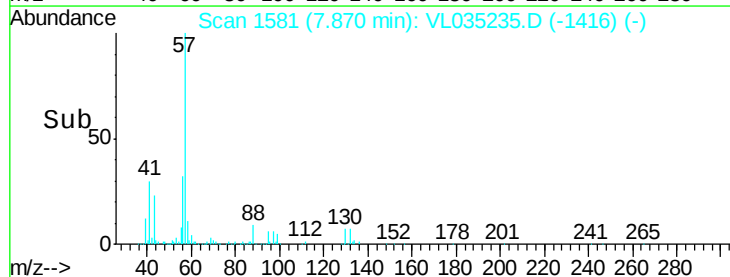
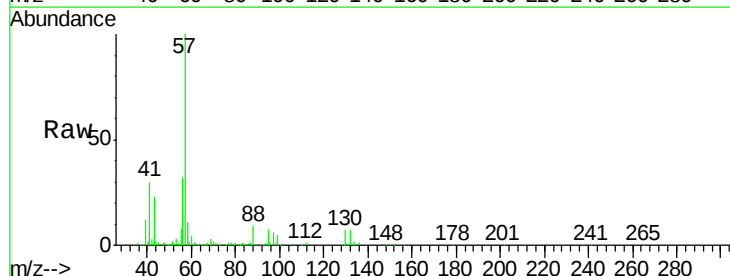
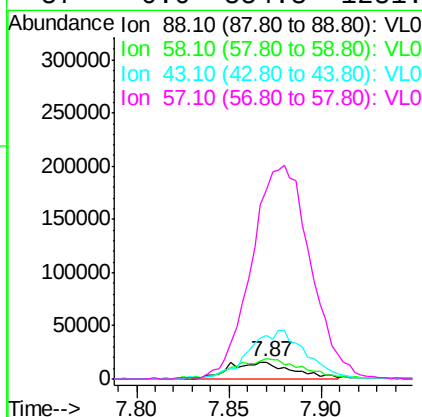
Manual Integrations
 APPROVED

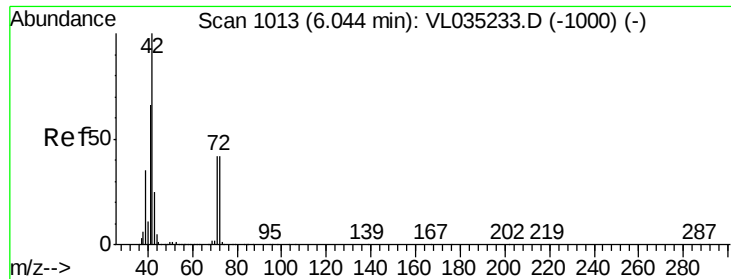
MMDadoda
 7/30/2020 6:10:23 PM



#40
 1,4-Dioxane
 Concen: 0.920 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.03 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion:	88	Resp:	37726
Ion Ratio	Lower	Upper	
88	100		
58	0.0	99.3	148.9#
43	0.0	195.6	293.4#
57	0.0	854.3	1281.5#





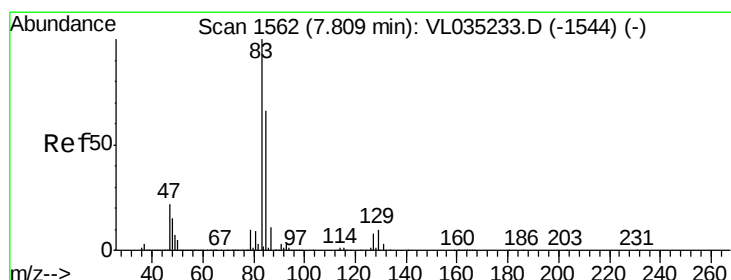
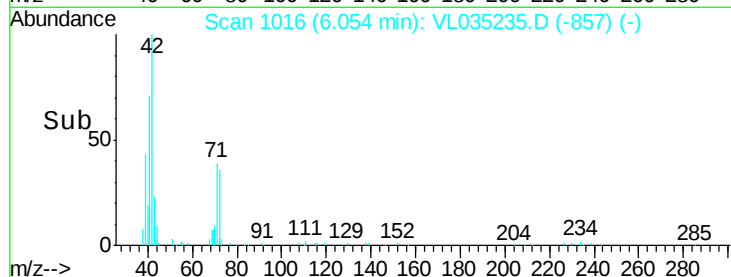
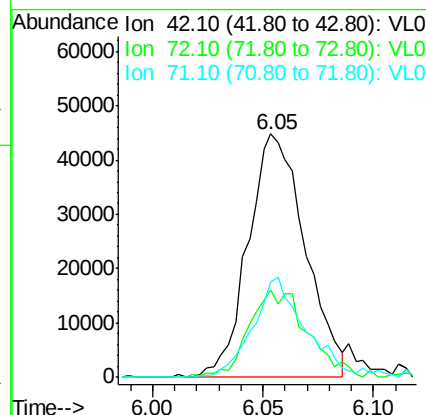
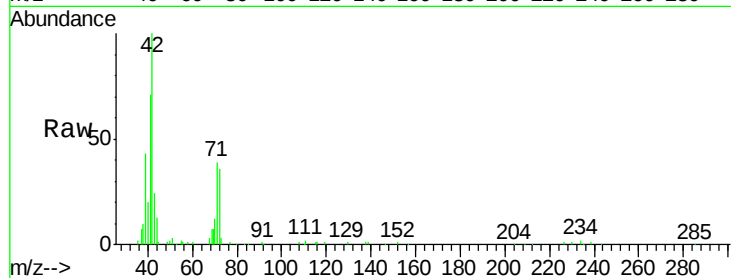
#41
Tetrahydrofuran
Concen: 0.856 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	34.2	51.2
71	38.9	33.2	49.8

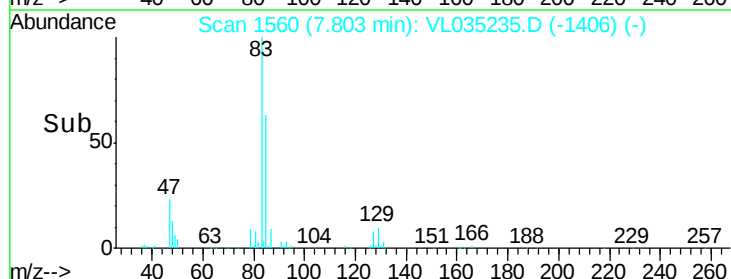
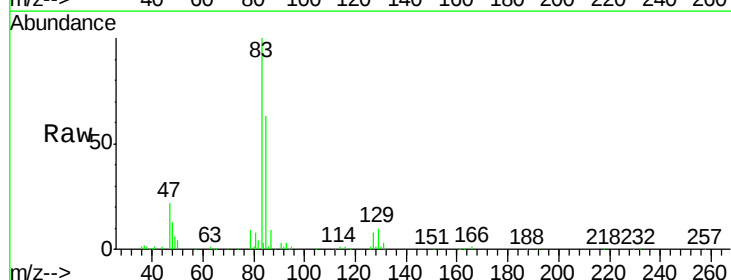
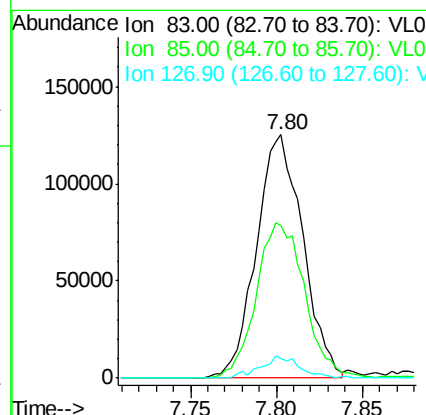
Manual Integrations
APPROVED

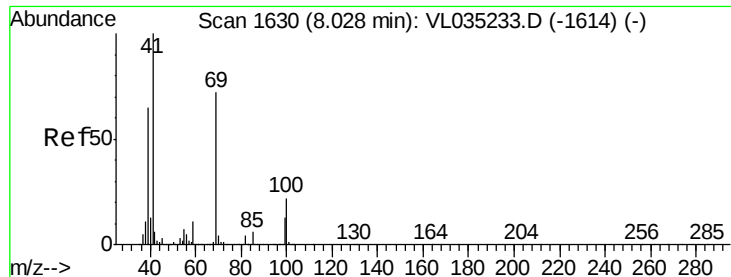
MMDadoda
7/30/2020 6:10:23 PM



#42
Bromodichloromethane
Concen: 1.010 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.9	79.3
127	8.1	6.5	9.7





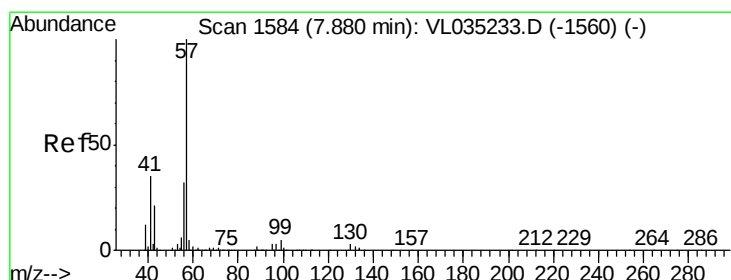
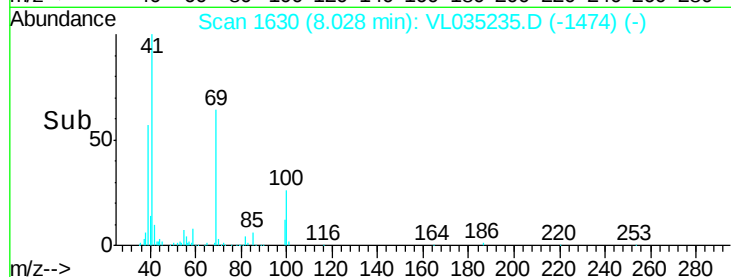
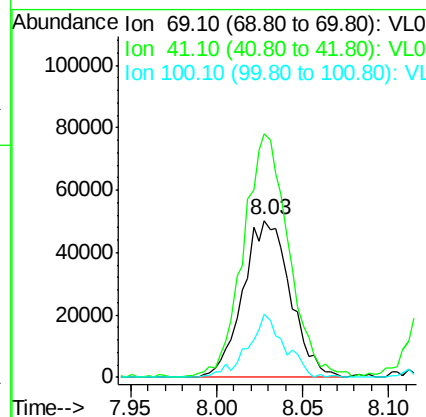
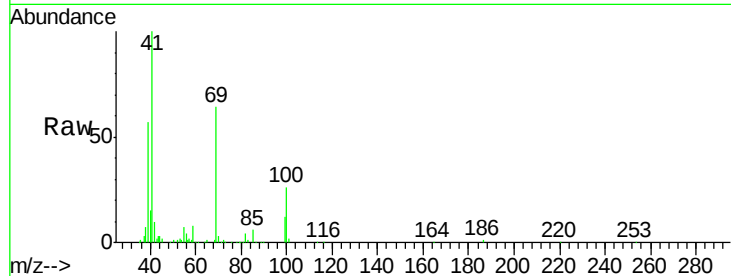
#43
Methvl Methacrilate
Concen: 0.876 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.9	113.0	169.4
100	31.6	25.3	37.9

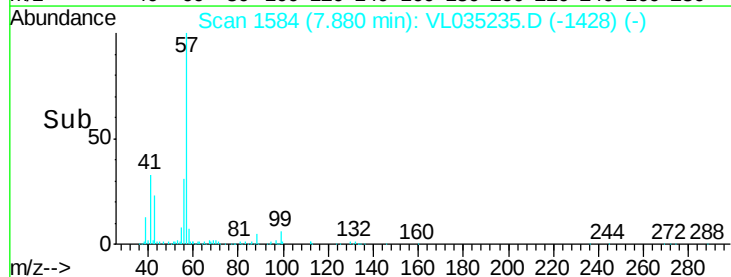
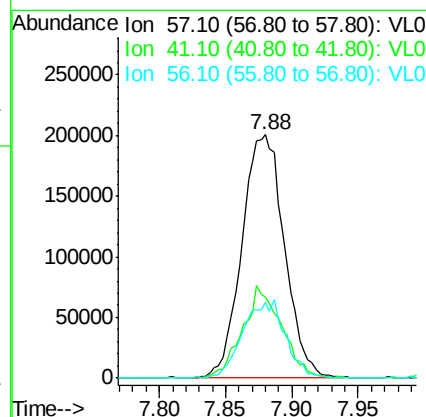
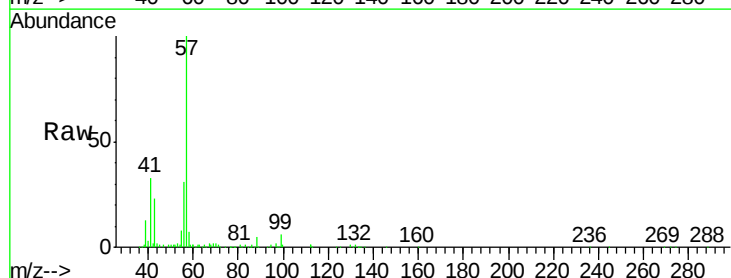
Manual Integrations
APPROVED

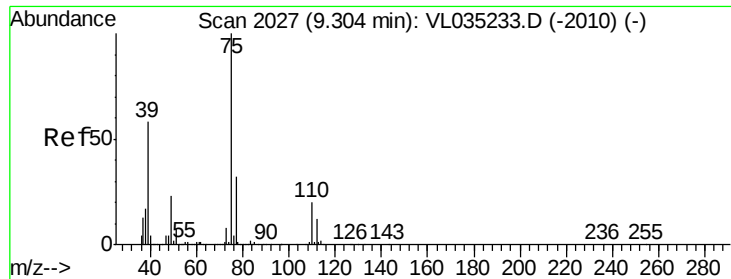
MMDadoda
7/30/2020 6:10:23 PM



#44
2,2,4-Trimethylpentane
Concen: 0.995 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.3	27.0	40.4
56	32.1	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 0.776 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 88756

Ion Ratio Lower Upper

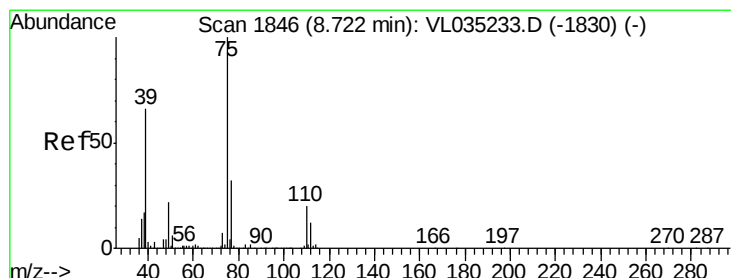
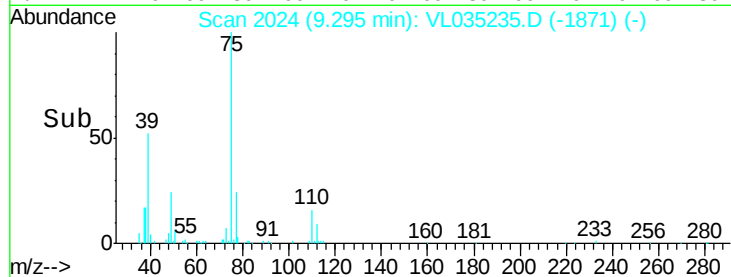
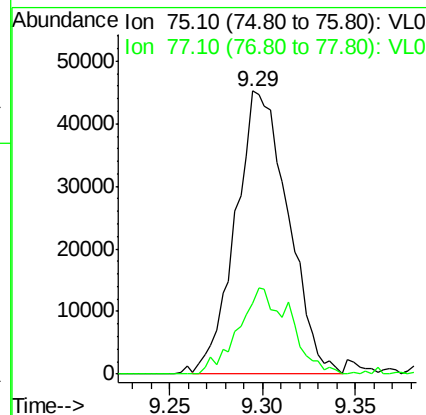
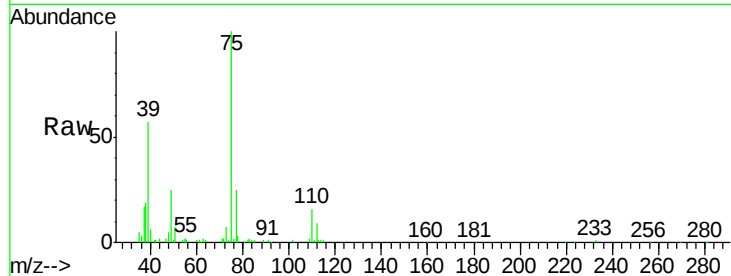
75 100

77 25.1 25.6 38.4#

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:23 PM



#46

cis-1,3-Dichloropropene

Concen: 0.795 ppbv m

RT: 8.72 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

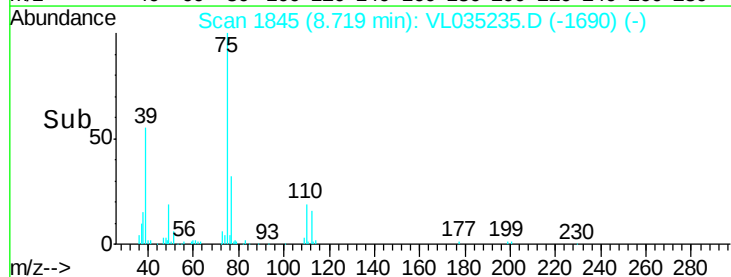
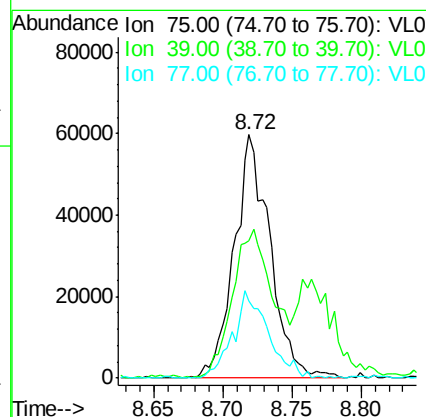
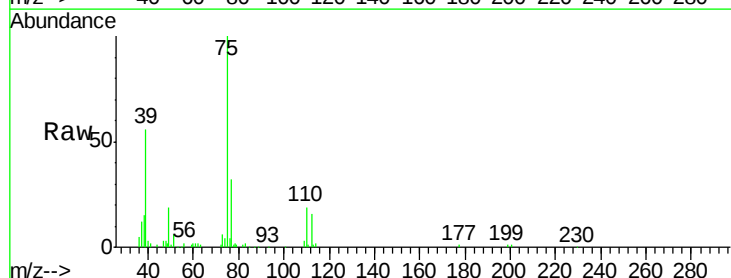
Tgt Ion: 75 Resp: 108255

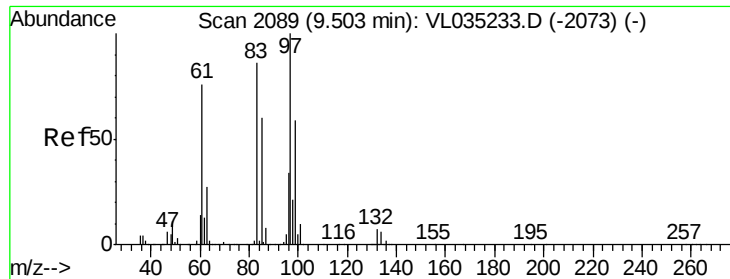
Ion Ratio Lower Upper

75 100

39 56.4 53.0 79.4

77 31.7 25.8 38.8





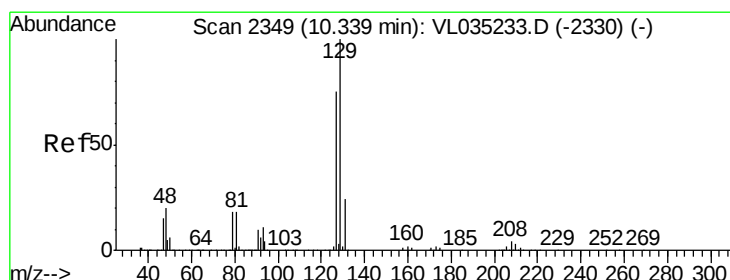
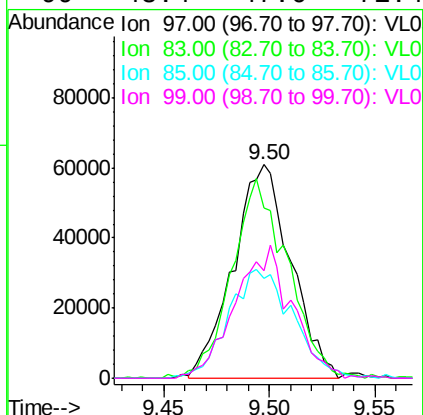
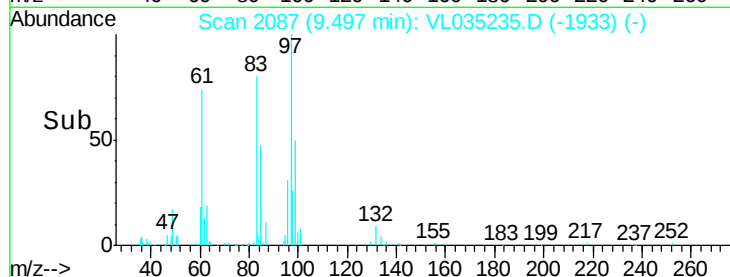
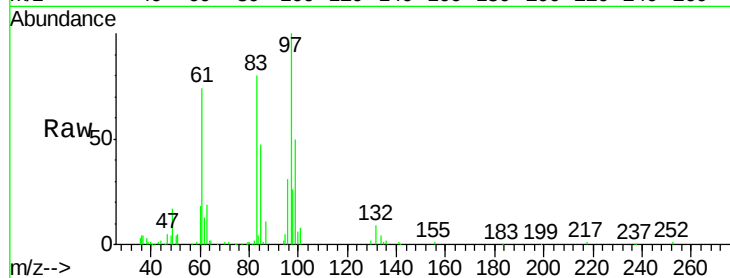
#47
 1,1,2-Trichloroethane
 Concen: 1.025 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
97	100	115755		
83	78.0	69.0	103.4	
85	44.4	47.8	71.8#	
99	48.4	47.6	71.4	

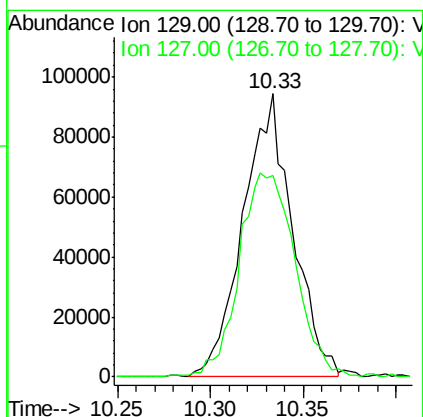
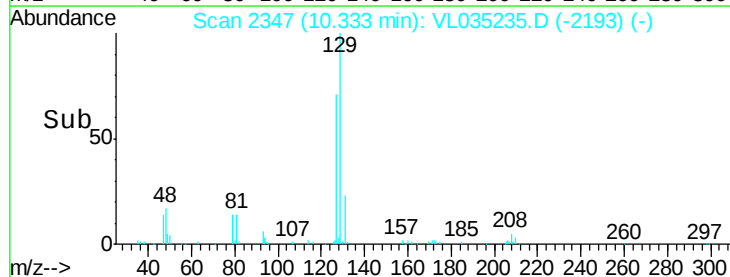
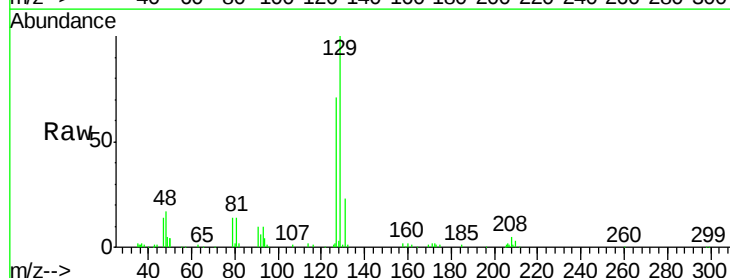
Manual Integrations
 APPROVED

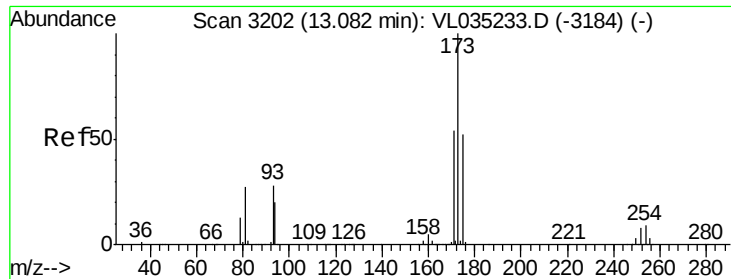
MMDadoda
 7/30/2020 6:10:23 PM



#48
 Dibromochloromethane
 Concen: 0.956 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	175278		
127	81.7	39.6	119.0	





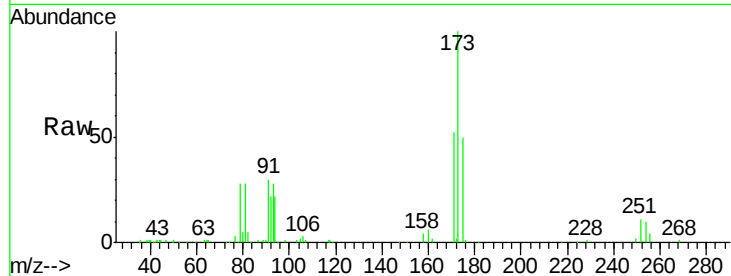
#49
Bromoform
Concen: 0.976 ppbv m
RT: 13.08 min Scan# 3200
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

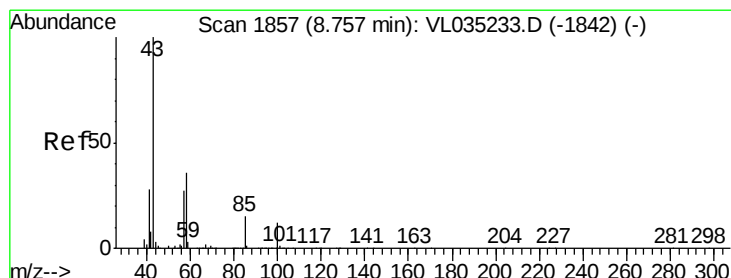
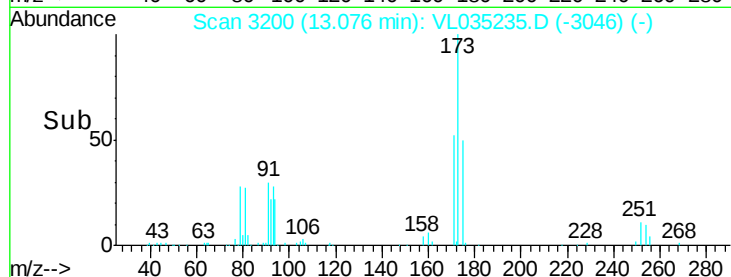
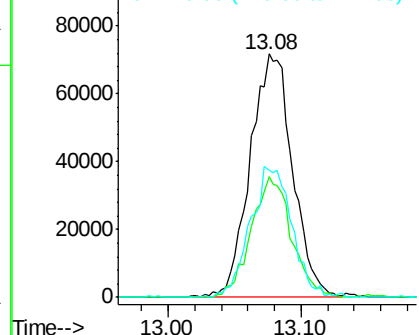
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	40.0	60.0
171	52.7	41.8	62.8

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:23 PM

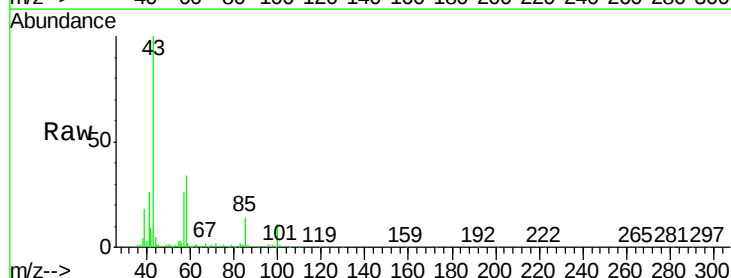


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

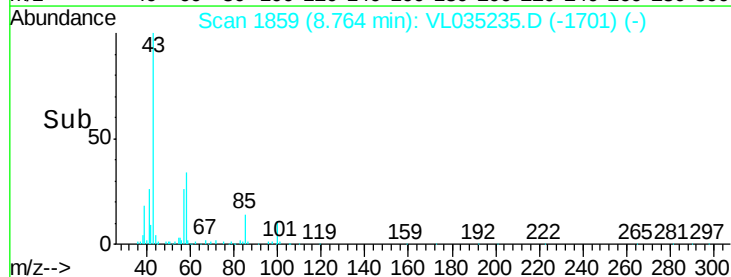
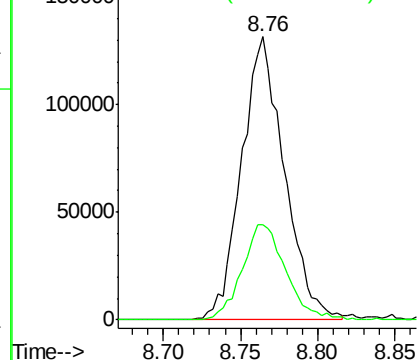


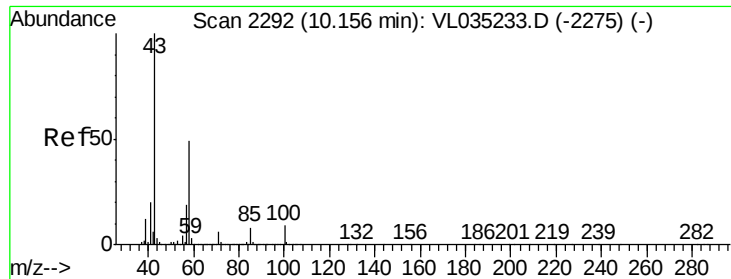
#50
4-Methyl-2-Pentanone
Concen: 0.928 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	30.0	45.0



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





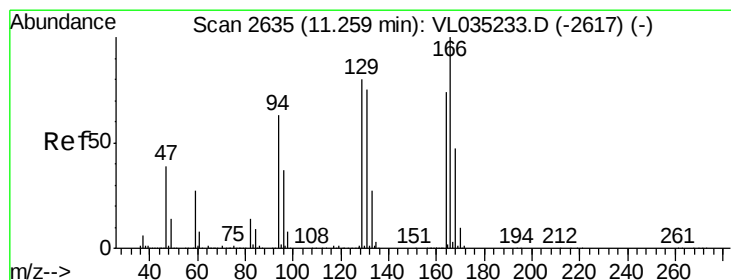
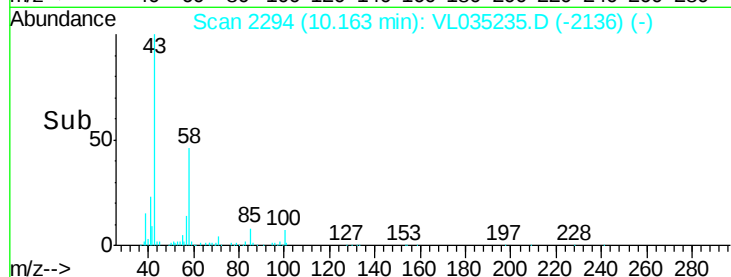
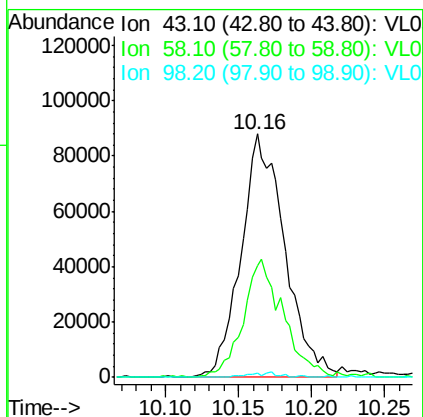
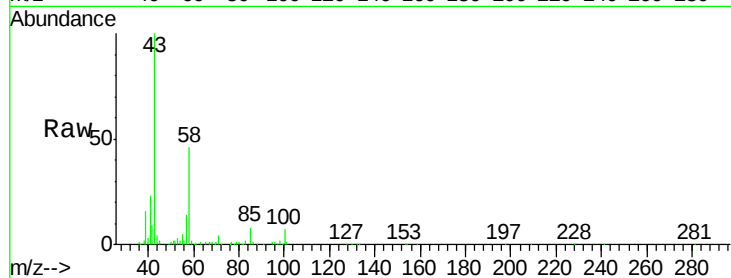
#51
2-Hexanone
Concen: 0.878 ppbv m
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.8	58.2#
98	1.4	0.6	0.8#

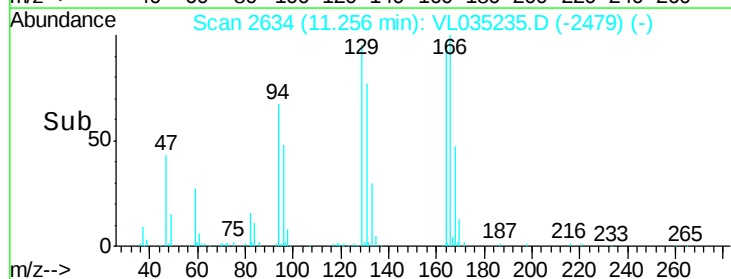
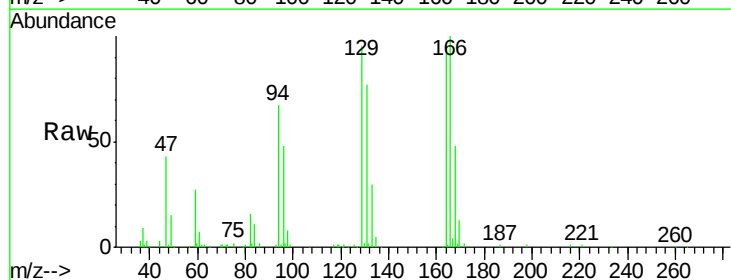
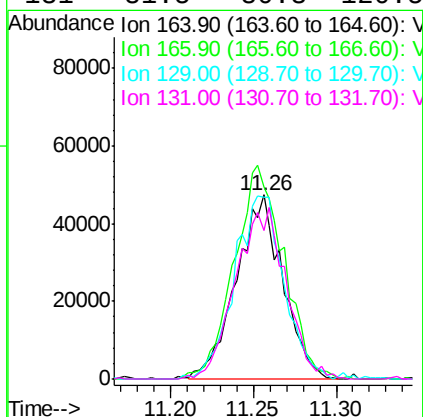
Manual Integrations
APPROVED

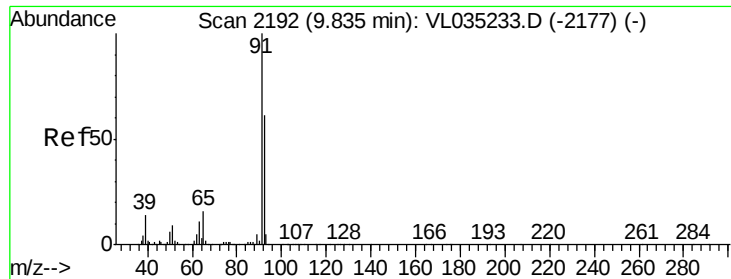
MMDadoda
7/30/2020 6:10:23 PM



#52
Tetrachloroethene
Concen: 0.951 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	102.6	107.5	161.3#
129	97.0	86.0	129.0
131	81.5	80.3	120.5





#53

Toluene

Concen: 0.853 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 232295

Ion Ratio Lower Upper

91 100

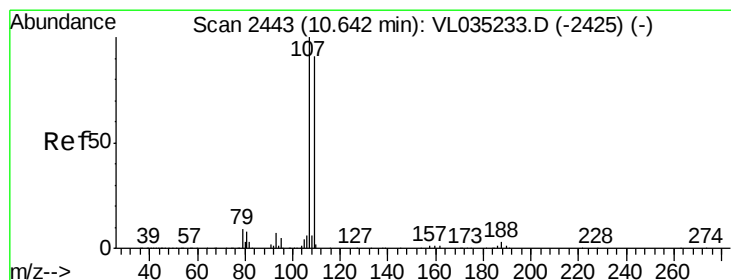
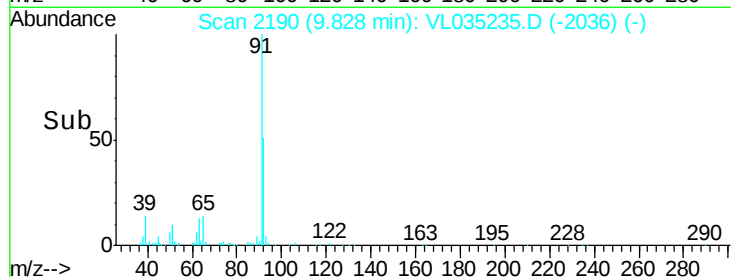
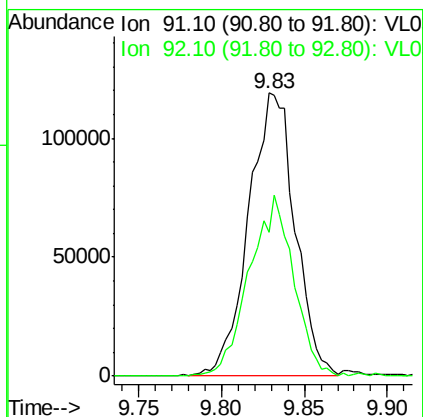
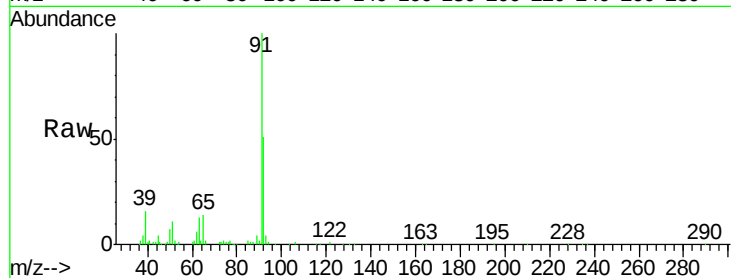
92 61.4 48.5 72.7

Manual Integrations

APPROVED

MMDadoda

7/30/2020 6:10:23 PM



#54

1,2-Dibromoethane

Concen: 0.975 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL035235.D

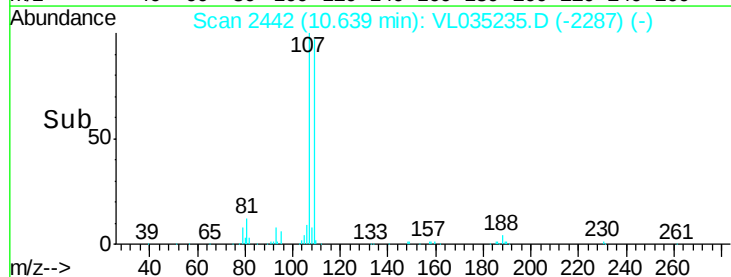
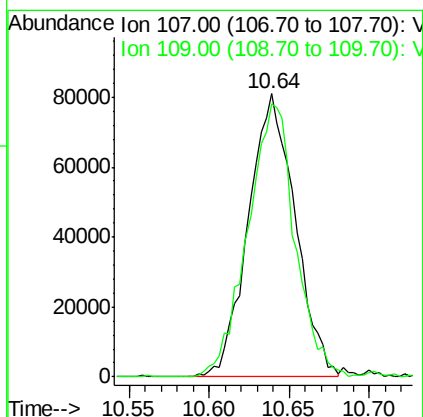
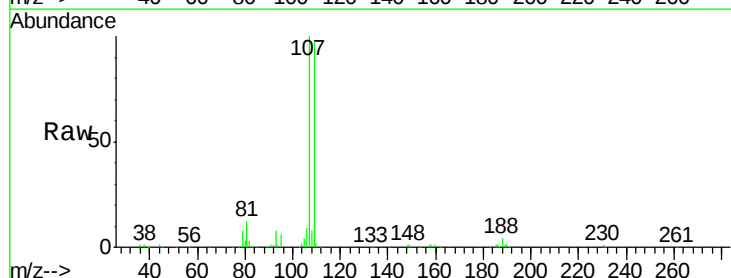
Acq: 29 Jul 2020 4:02

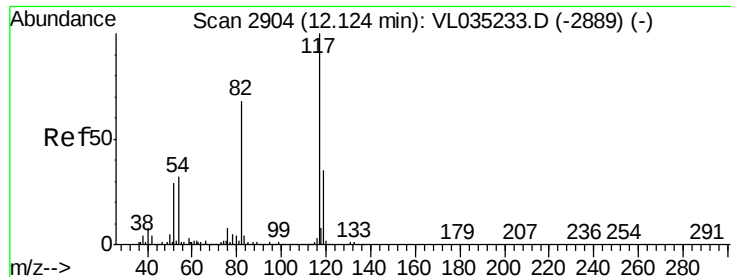
Tgt Ion: 107 Resp: 163227

Ion Ratio Lower Upper

107 100

109 96.4 73.0 109.6





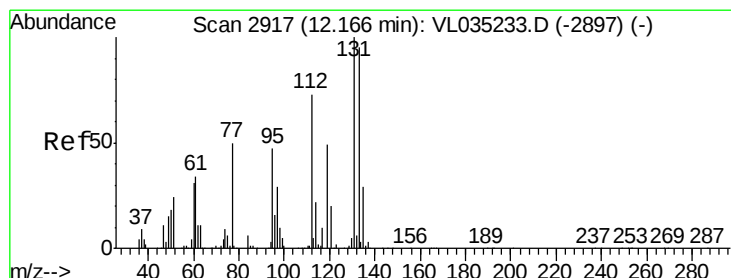
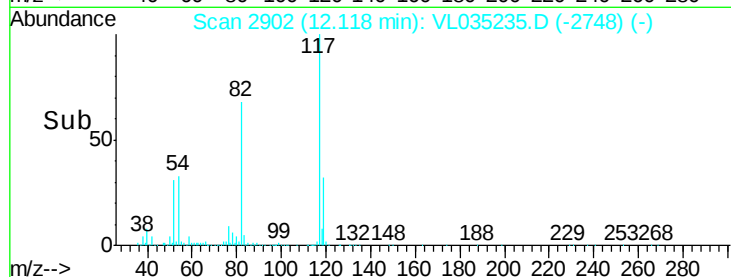
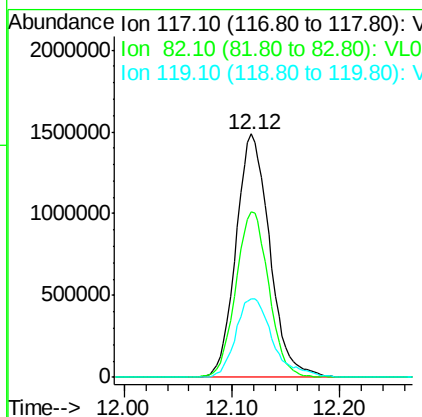
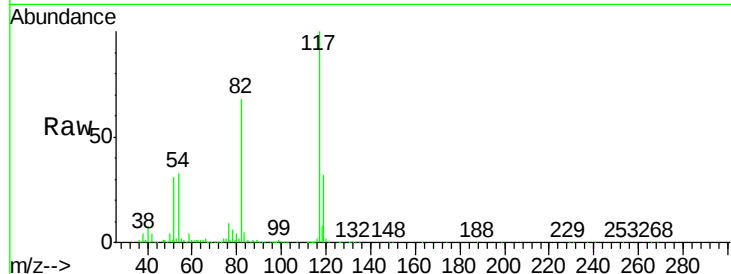
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.7	52.4	78.6
119	35.5	24.6	36.8

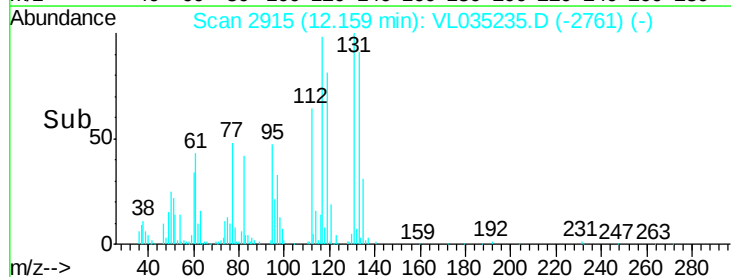
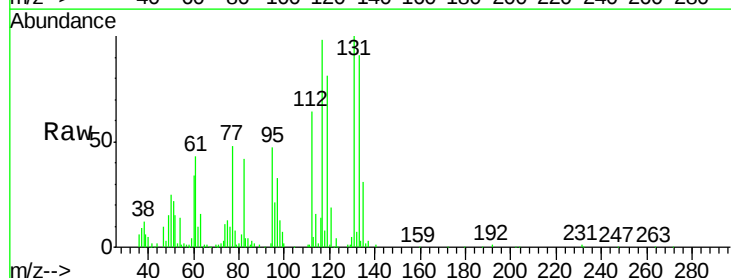
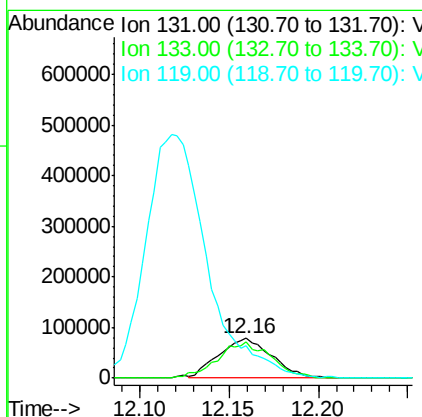
Manual Integrations
APPROVED

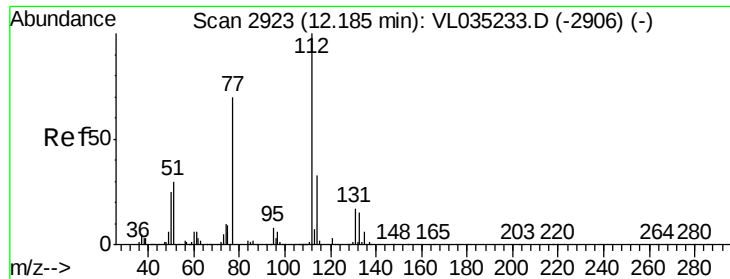
MMDadoda
7/30/2020 6:10:23 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 1.099 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.1	76.1	114.1
119	0.0	44.3	66.5#





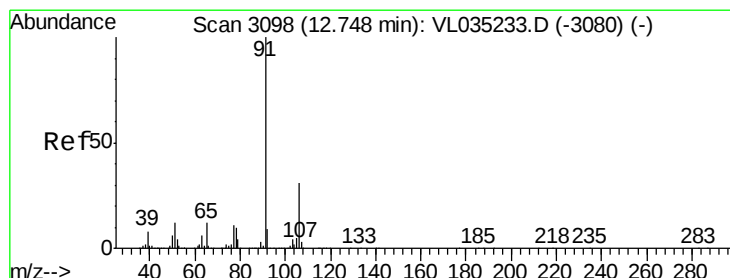
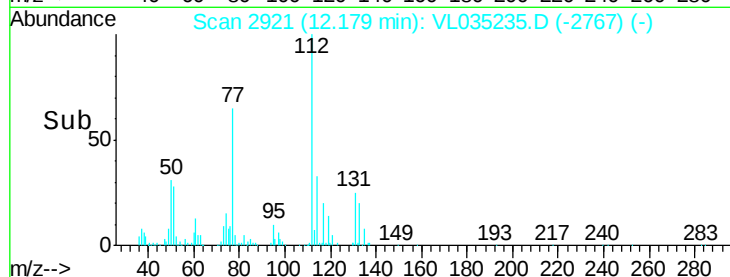
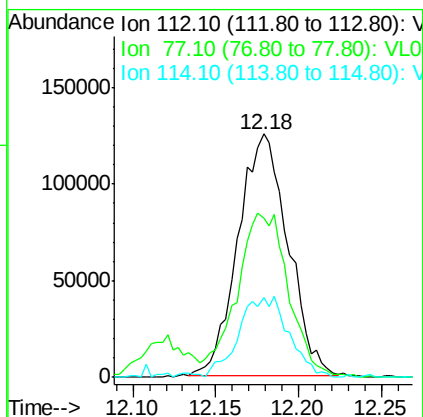
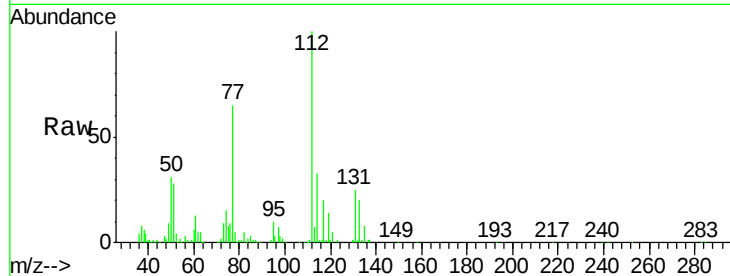
#57
Chlorobenzene
Concen: 1.077 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.9	57.3	85.9
114	32.7	29.3	35.8

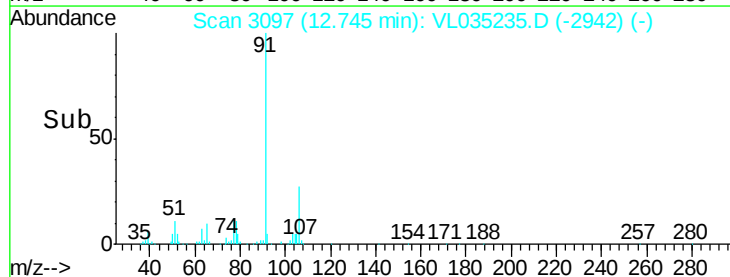
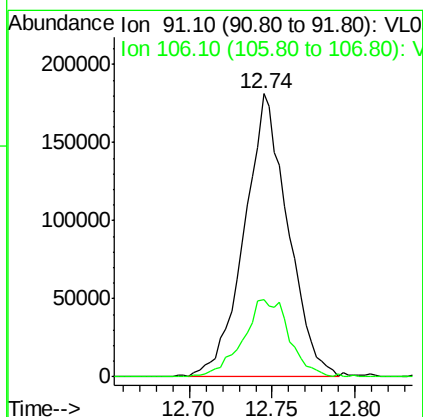
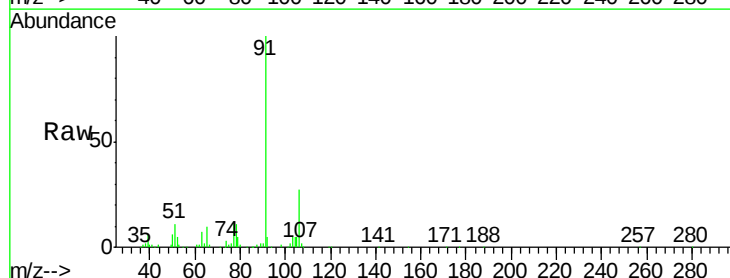
Manual Integrations
APPROVED

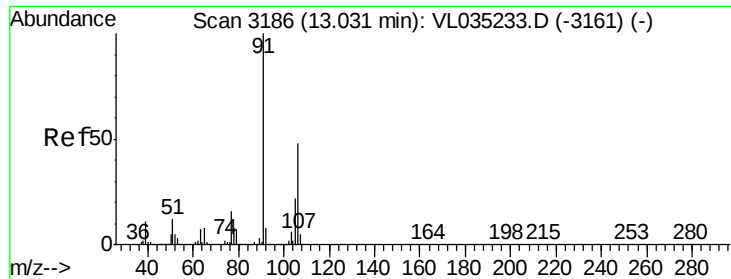
MMDadoda
7/30/2020 6:10:23 PM



#58
Ethyl Benzene
Concen: 0.914 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.3	25.0	37.6





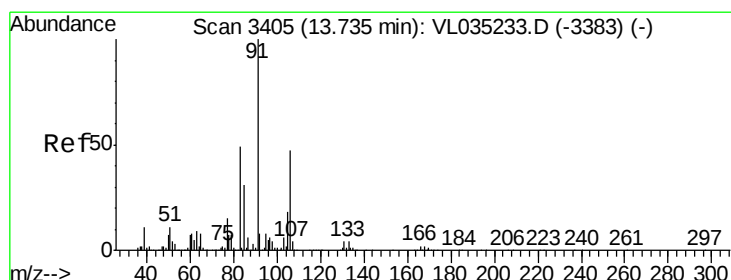
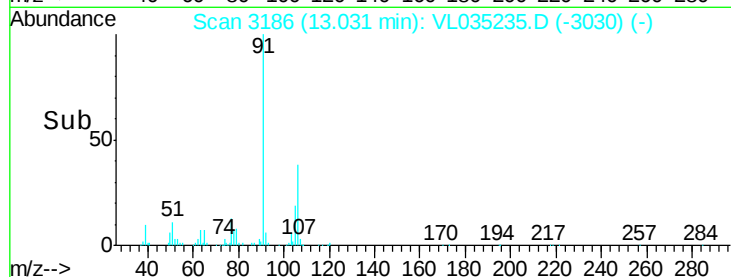
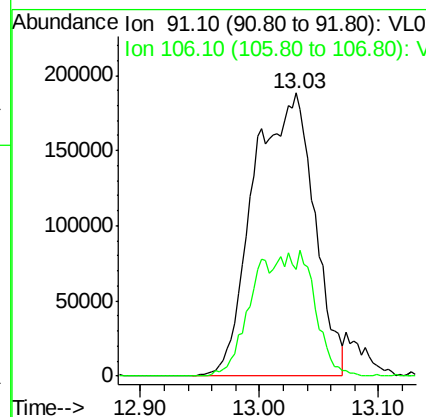
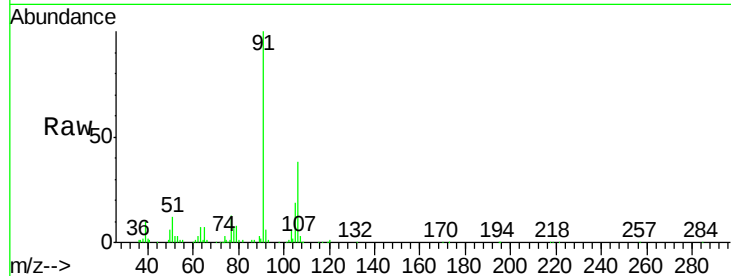
#59
m/p-Xylene
Concen: 2.042 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 661975
Ion Ratio Lower Upper
91 100
106 44.5 37.2 55.8

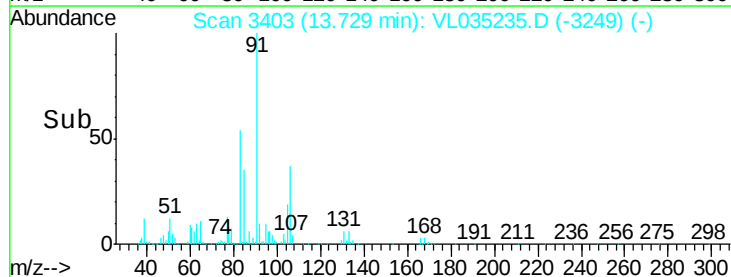
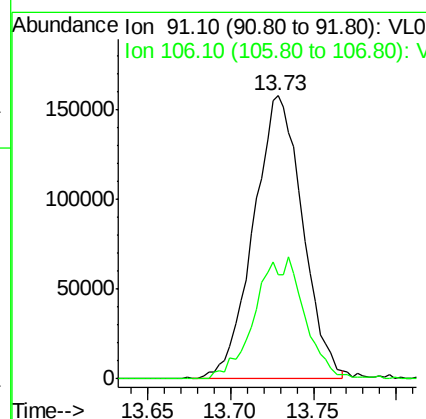
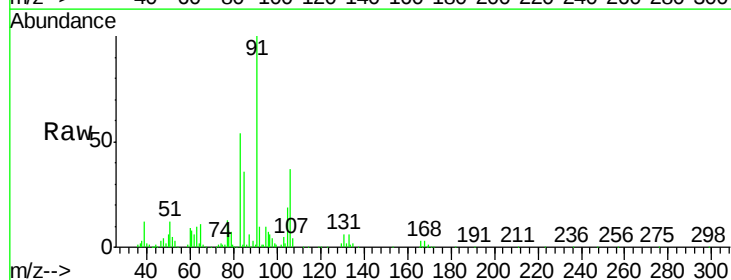
Manual Integrations
APPROVED

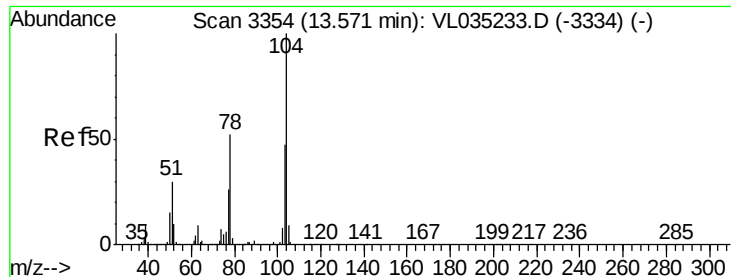
MMDadoda
7/30/2020 6:10:23 PM



#60
o-Xylene
Concen: 1.005 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 91 Resp: 325169
Ion Ratio Lower Upper
91 100
106 43.5 22.4 67.0





#61

Stvrene

Concen: 0.870 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

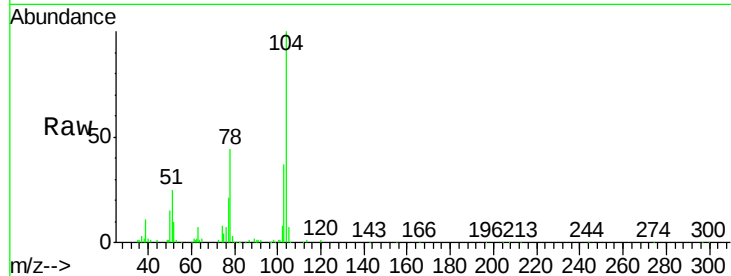
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	173737
Ion Ratio	Lower	Upper	
104	100		
78	53.6	43.3	64.9
103	45.1	38.2	57.2

Manual Integrations
APPROVED

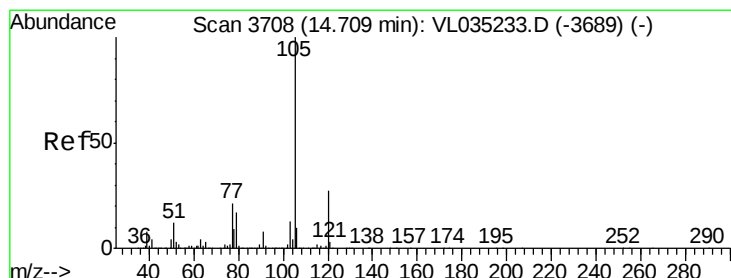
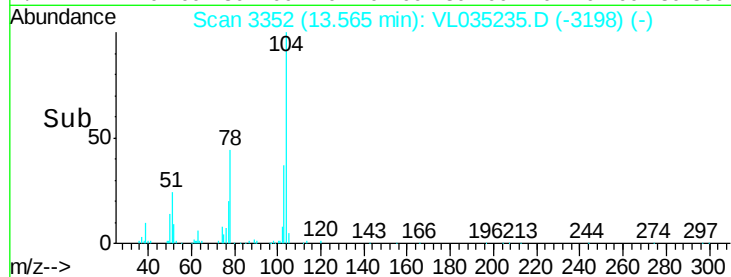
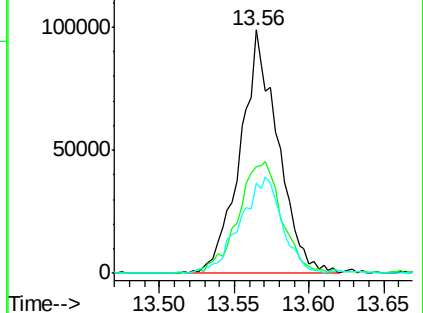
MMDadoda
7/30/2020 6:10:23 PM



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: 1.047 ppbv

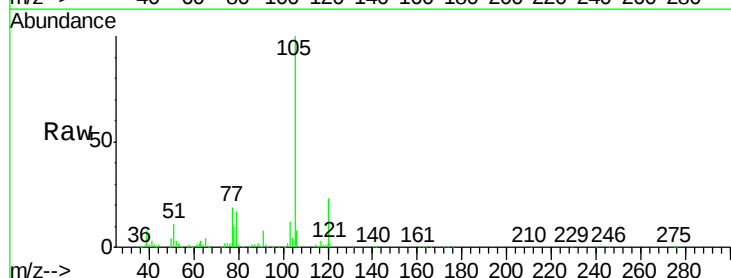
RT: 14.71 min Scan# 3707

Delta R.T. -0.00 min

Lab File: VL035235.D

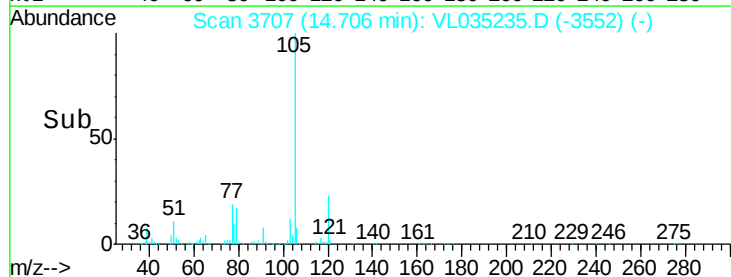
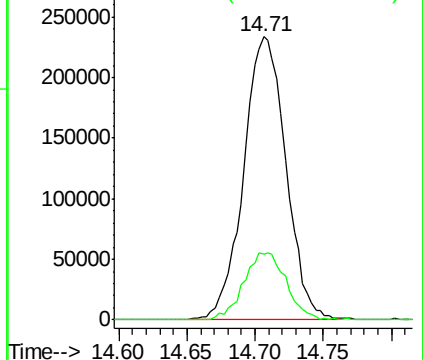
Acq: 29 Jul 2020 4:02

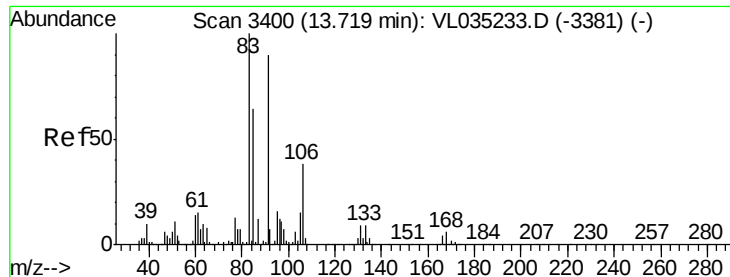
Tgt Ion:	105	Resp:	502026
Ion Ratio	Lower	Upper	
105	100		
120	24.0	20.8	31.2



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: 1.055 ppbv m

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 284951
Ion Ratio Lower Upper

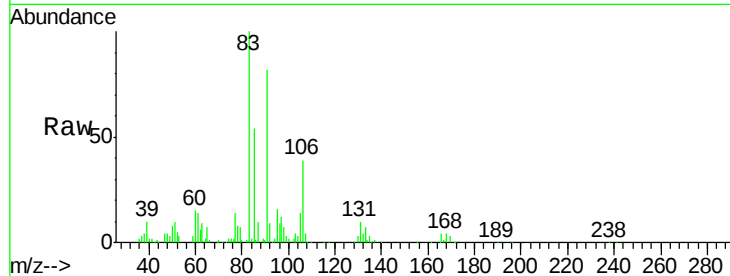
83 100

131 0.0 4.6 13.8#

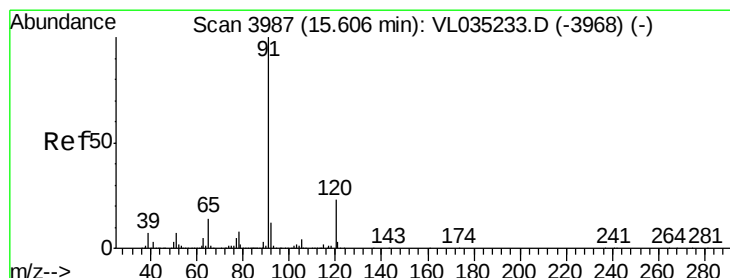
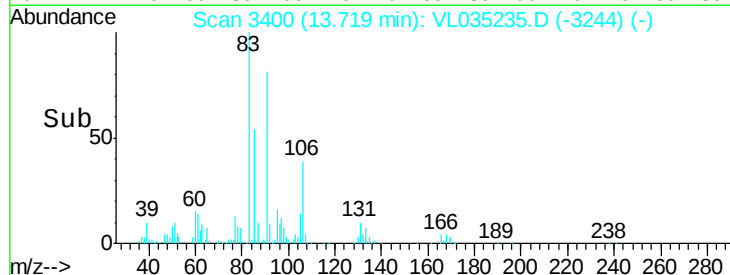
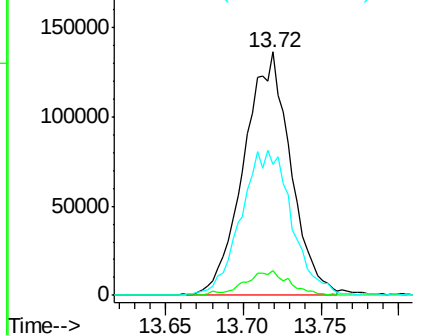
85 0.0 32.7 98.1#

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:23 PM



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



#64

n-propylbenzene

Concen: 0.995 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

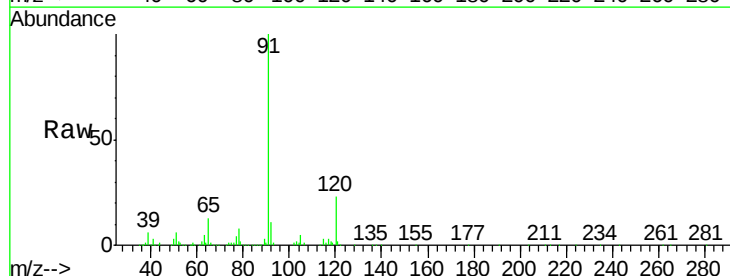
Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

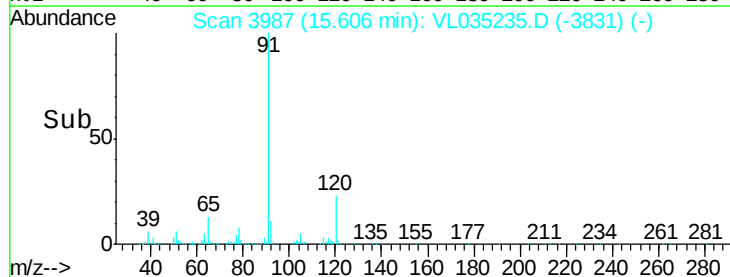
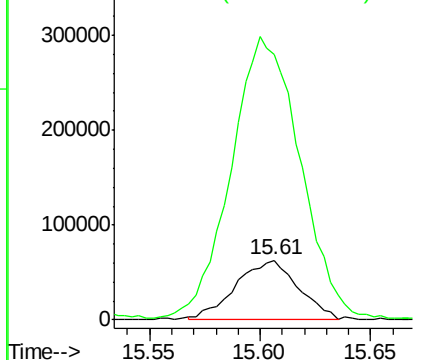
Tgt Ion: 120 Resp: 123493
Ion Ratio Lower Upper

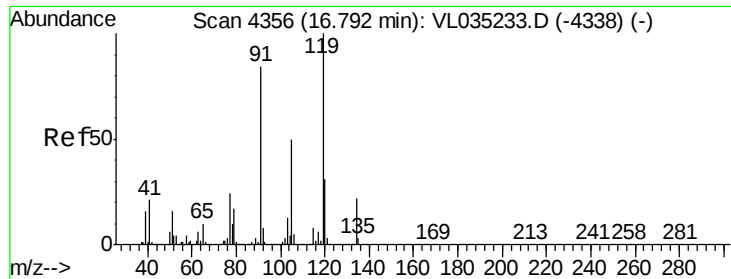
120 100

91 523.7 367.5 551.3



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





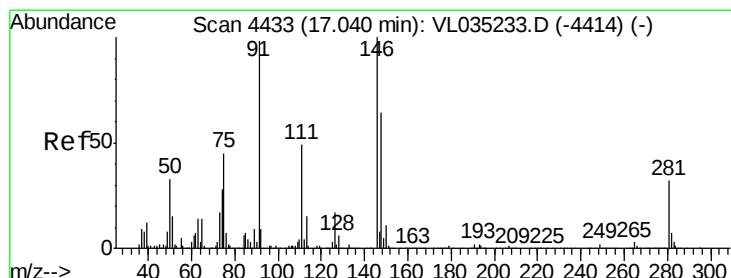
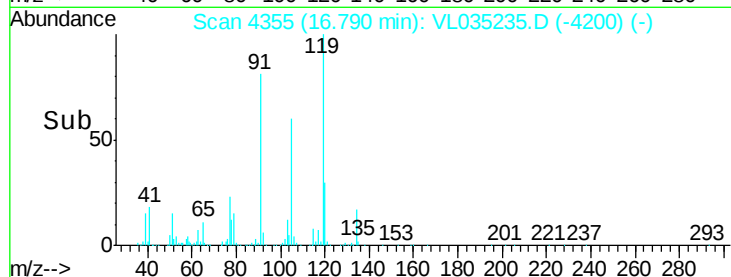
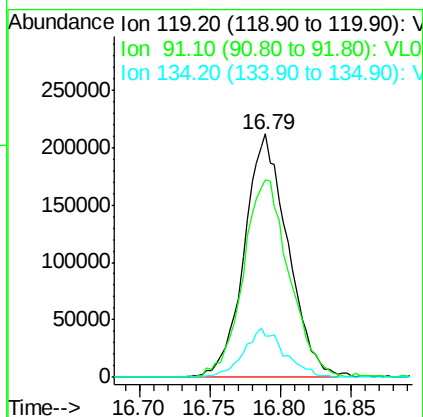
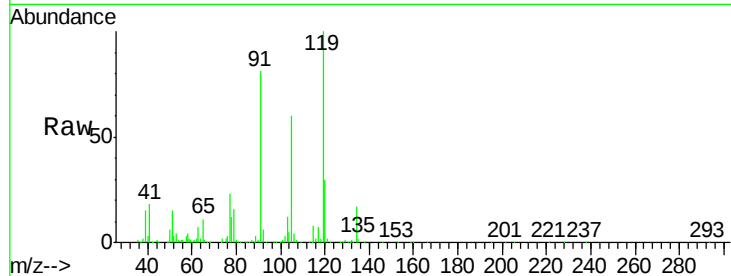
#65
tert-Butylbenzene
Concen: 1.058 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.0	68.0	102.0
134	19.0	16.3	24.5

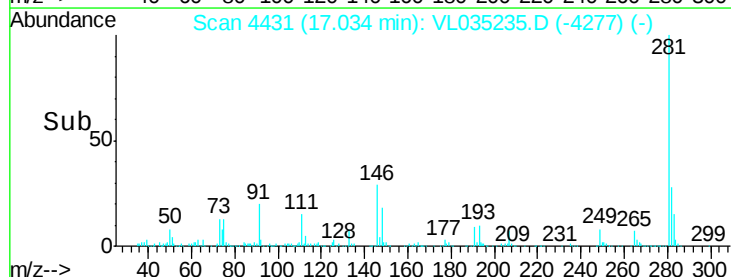
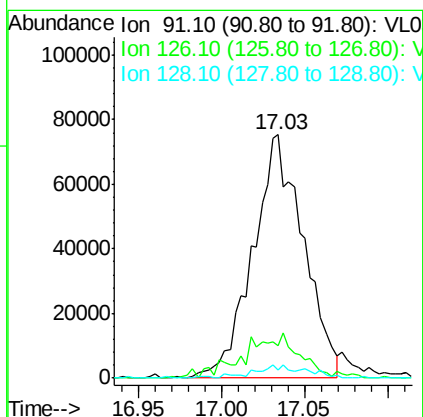
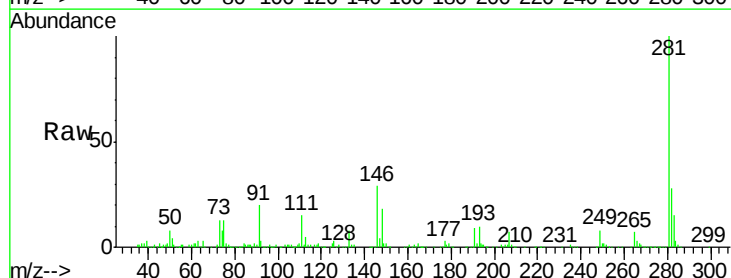
Manual Integrations
APPROVED

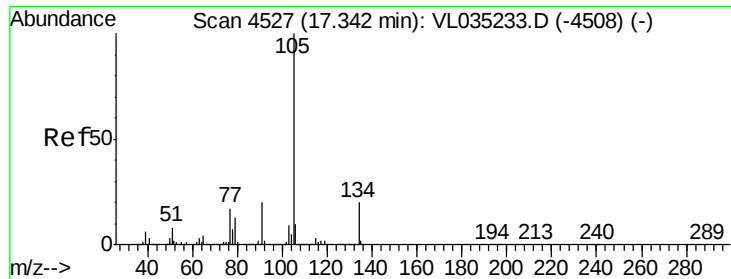
MMDadoda
7/30/2020 6:10:23 PM



#66
Benzyl Chloride
Concen: 1.027 ppbv m
RT: 17.03 min Scan# 4431
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	21.1#
128	5.5	4.4	6.6





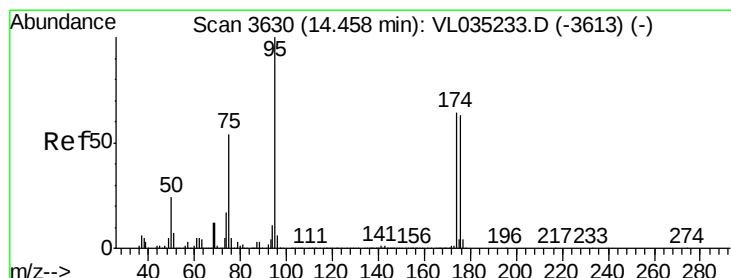
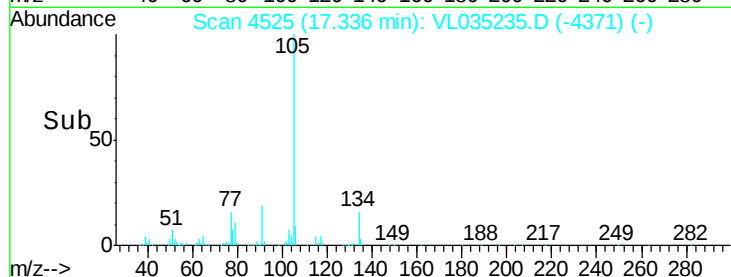
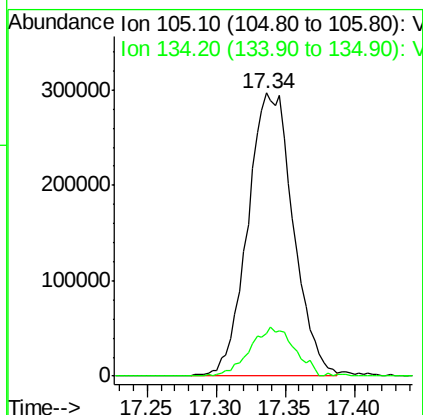
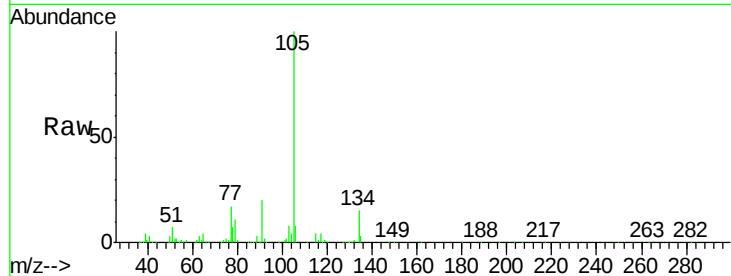
#67
 sec-Butylbenzene
 Concen: 1.082 ppbv m
 RT: 17.34 min Scan# 4525
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.9	15.0	22.4

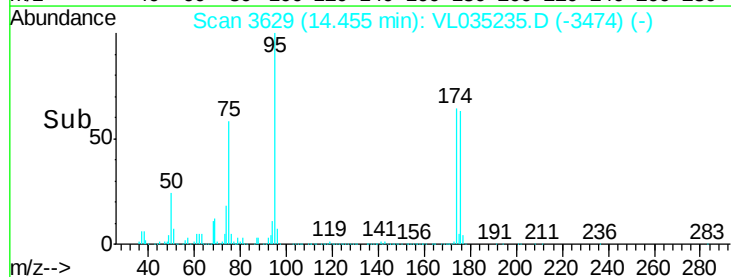
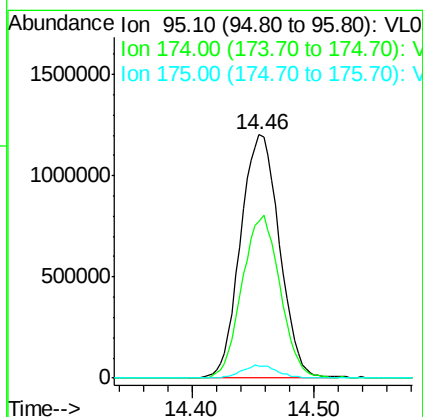
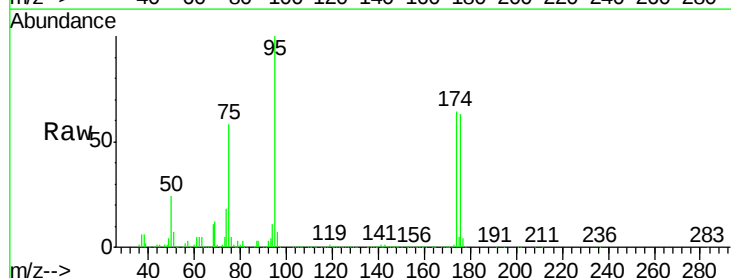
Manual Integrations
 APPROVED

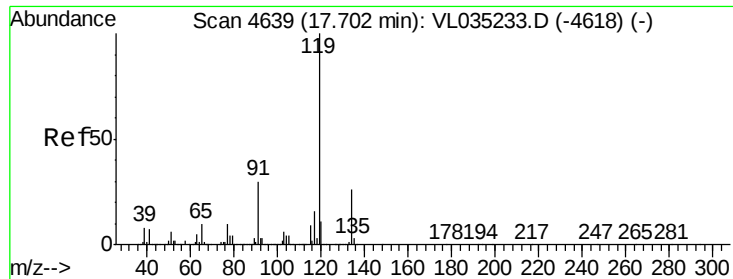
MMDadoda
 7/30/2020 6:10:23 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.024 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.8	52.7	79.1
175	4.9	3.9	5.9





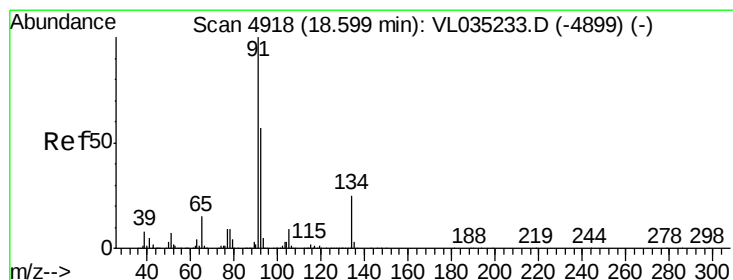
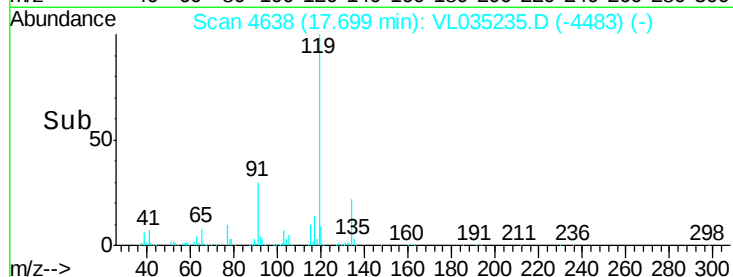
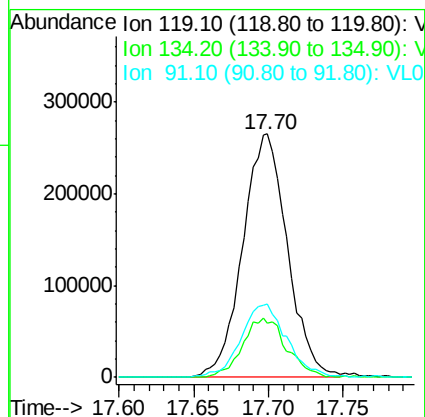
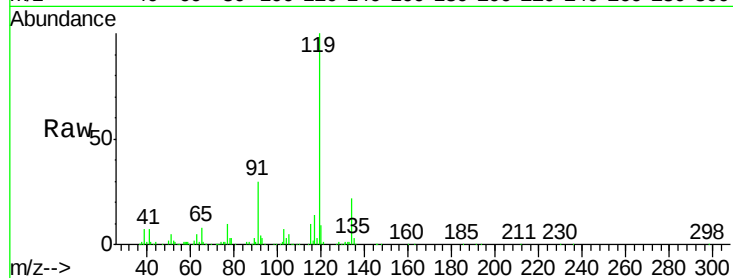
#69
 p-Isopropyltoluene
 Concen: 1.104 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. -0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	546686		
134	24.1		20.8	31.2
91	31.2		24.7	37.1

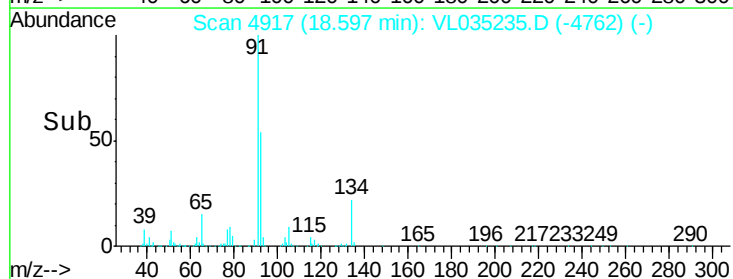
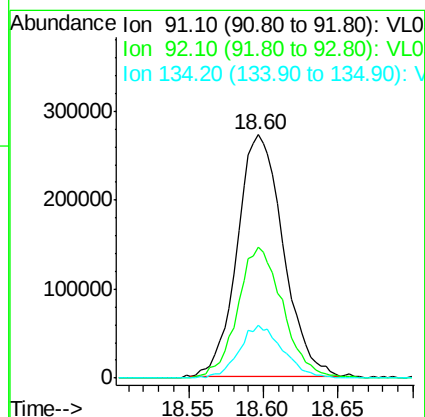
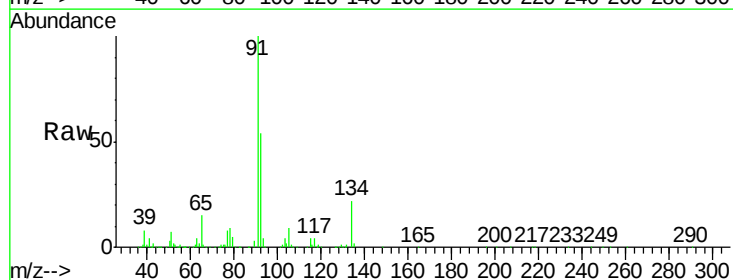
Manual Integrations
 APPROVED

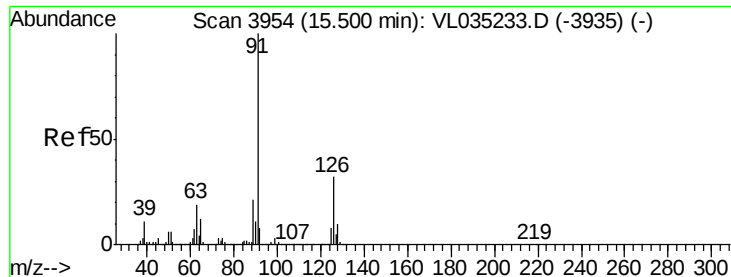
MMDadoda
 7/30/2020 6:10:23 PM



#70
 n-Butylbenzene
 Concen: 1.107 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. -0.00 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	581369		
92	53.9		44.9	67.3
134	20.9		18.6	28.0





#71

2-Chlorotoluene

Concen: 1.004 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 364340

Ion Ratio Lower Upper

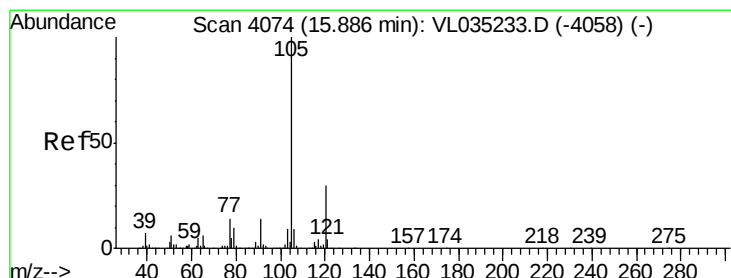
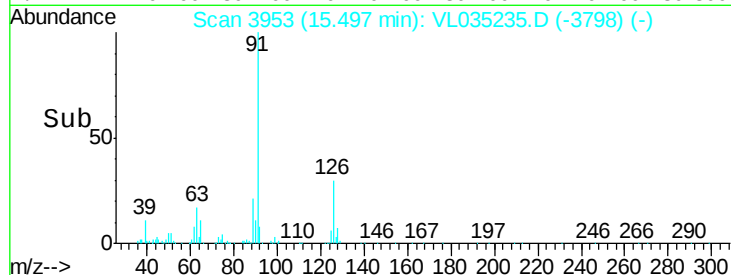
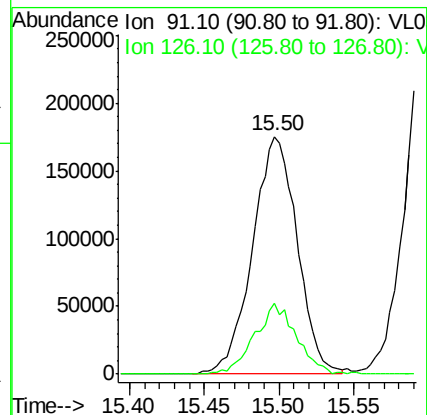
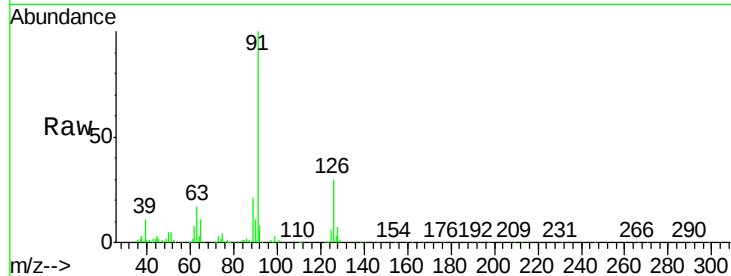
91 100

126 28.0 12.3 49.1

Manual Integrations
APPROVED

MMDadoda

7/30/2020 6:10:23 PM



#72

4-Ethyltoluene

Concen: 0.977 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Tgt Ion: 105 Resp: 357175

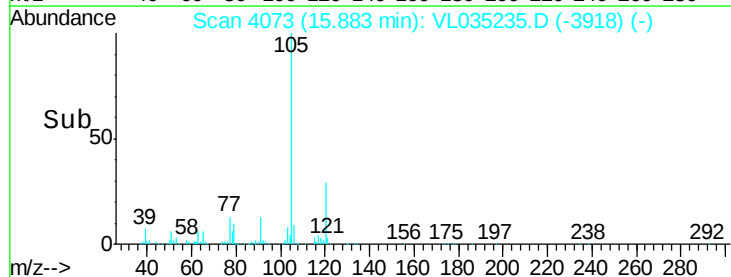
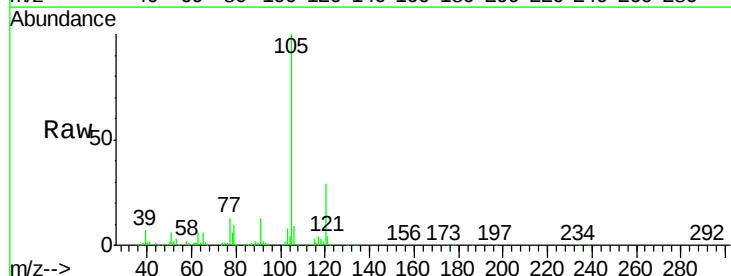
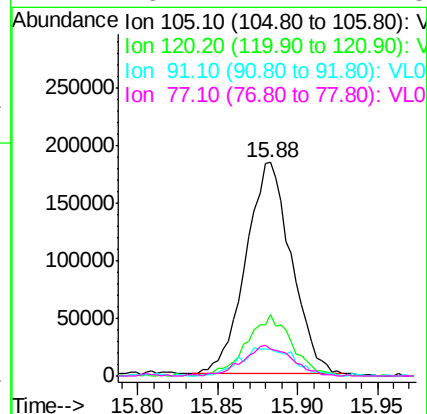
Ion Ratio Lower Upper

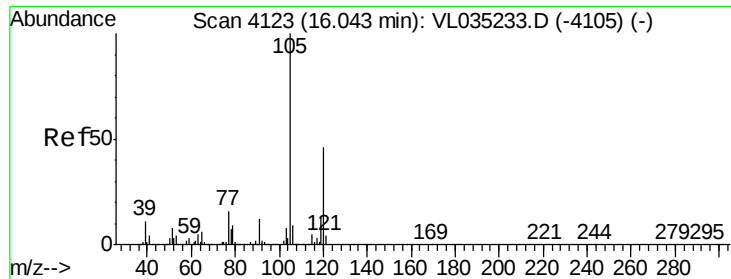
105 100

120 29.0 23.6 35.4

91 15.9 11.0 16.6

77 15.7 11.7 17.5





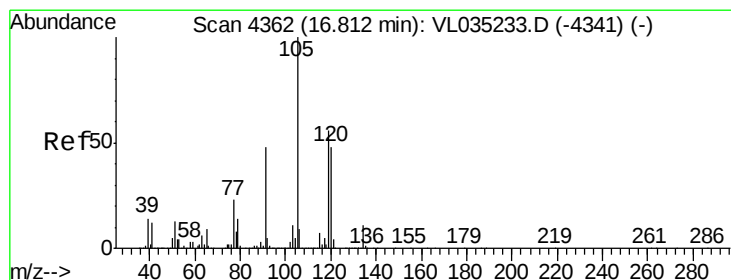
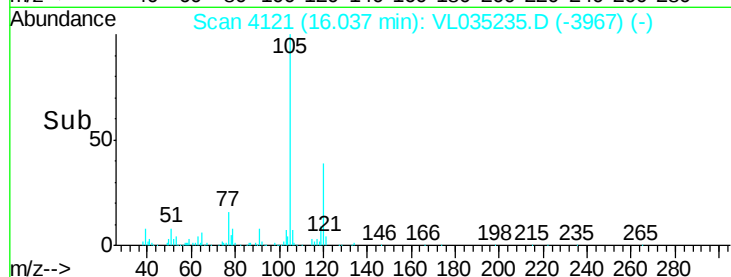
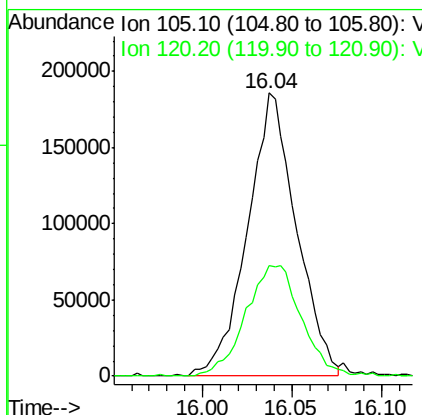
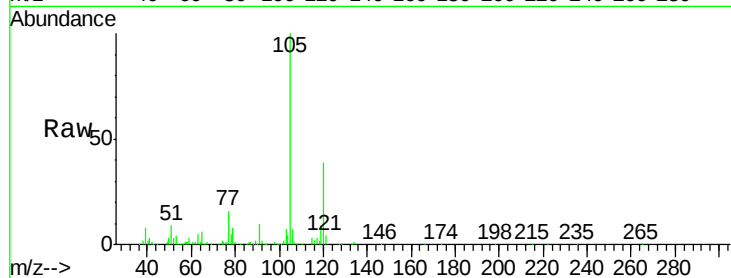
#73
 1,3,5-Trimethylbenzene
 Concen: 1.012 ppbv
 RT: 16.04 min Scan# 4121
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	39.3	36.8	55.2

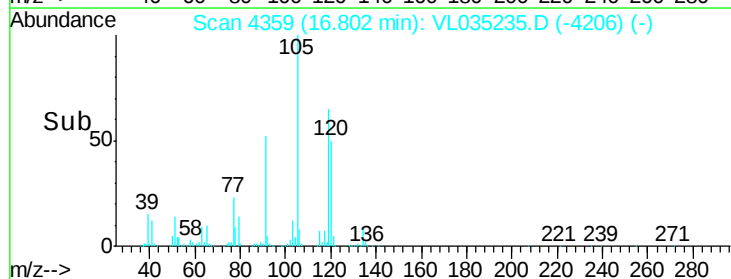
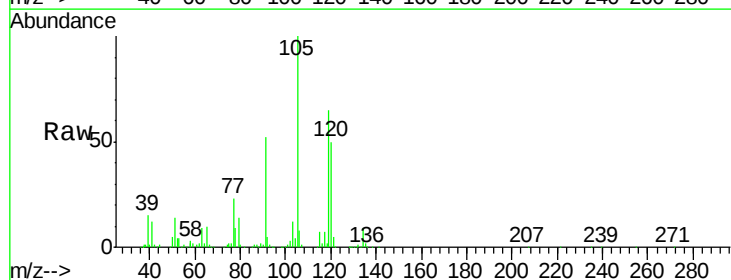
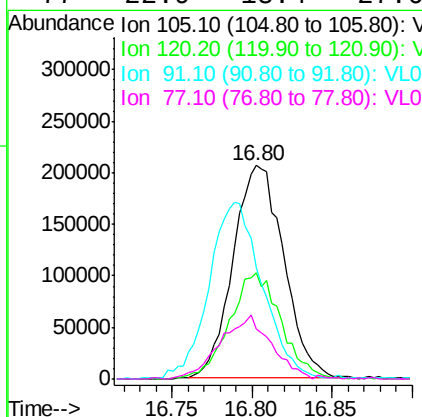
Manual Integrations
 APPROVED

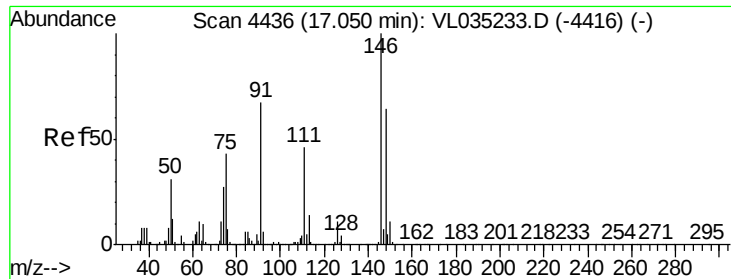
MMDadoda
 7/30/2020 6:10:23 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 1.138 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	38.8	58.2
91	51.0	38.9	58.3
77	22.9	18.4	27.6





#75

1,3-Dichlorobenzene

Concen: 1.179 ppbv m

RT: 17.04 min Scan# 4434

Delta R.T. -0.01 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

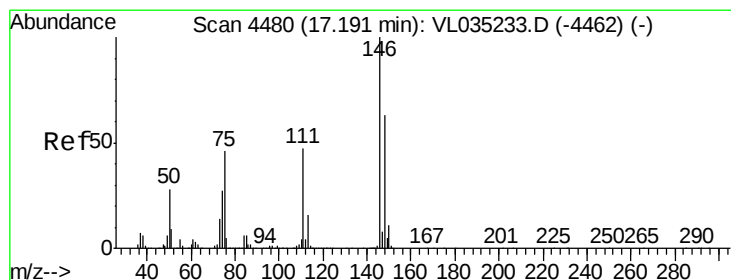
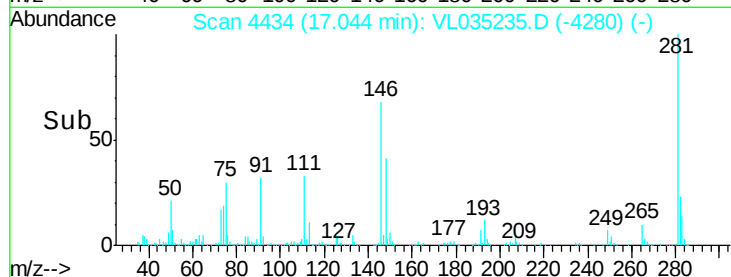
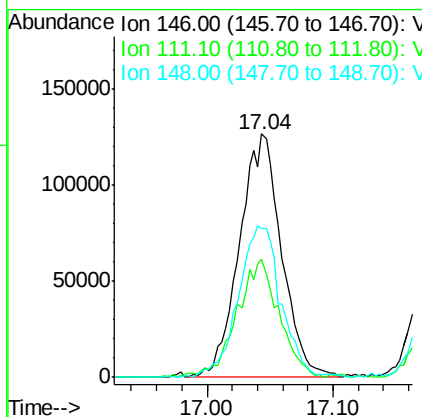
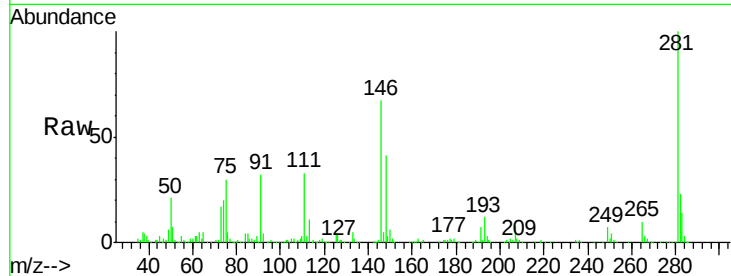
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	292745
Ion Ratio	Lower	Upper	
146	100		
111	49.4	24.4	73.4
148	63.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
7/30/2020 6:10:23 PM



#76

1,4-Dichlorobenzene

Concen: 1.121 ppbv m

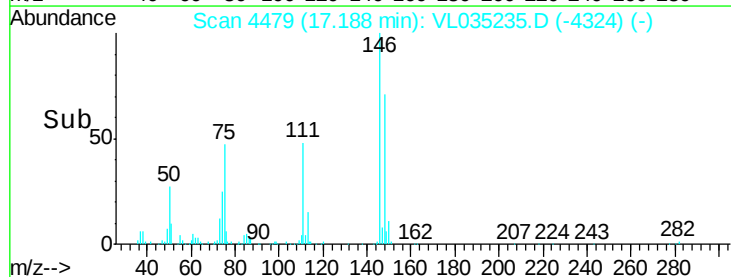
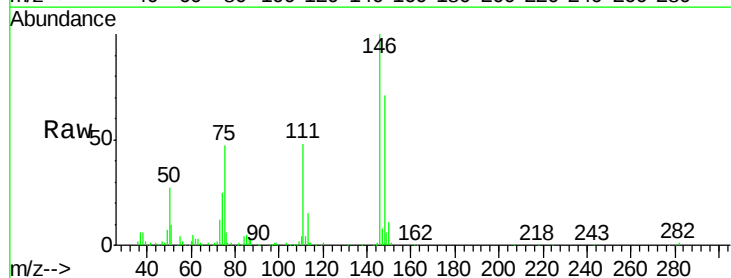
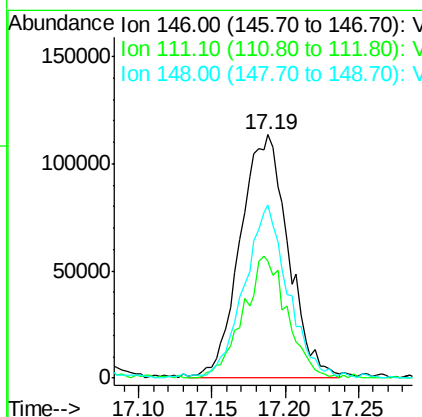
RT: 17.19 min Scan# 4479

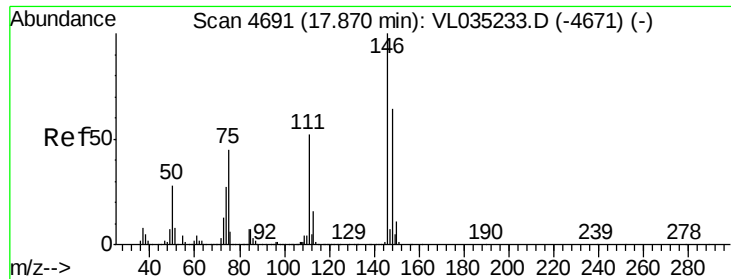
Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Tgt Ion:	146	Resp:	258473
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.4	70.2#
148	0.0	32.2	96.6#





#77

1,2-Dichlorobenzene

Concen: 1.126 ppbv m

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

Instrument :

MSVOA_L

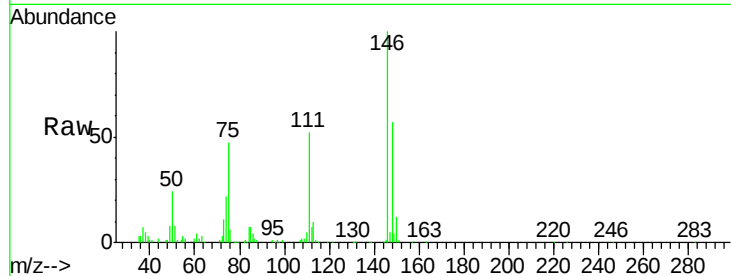
ClientSampleId :

VSTDIC001

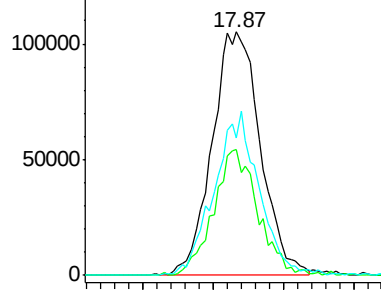
Tot Ion:	146	Resp:	252296
Ion Ratio		Lower	Upper
146	100		
111	0.0	24.6	73.8#
148	0.0	32.0	96.0#

Manual Integrations
APPROVED

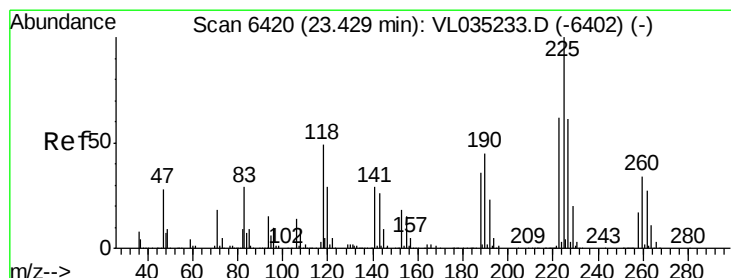
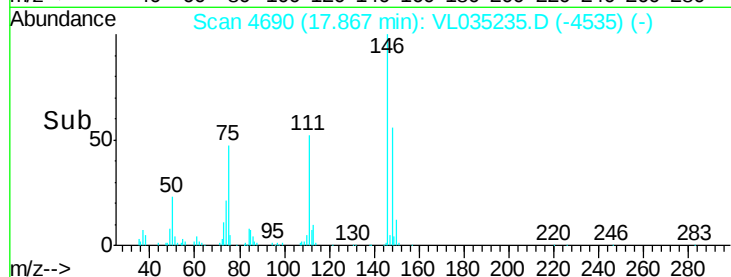
MMDadoda
7/30/2020 6:10:23 PM



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 1.209 ppbv

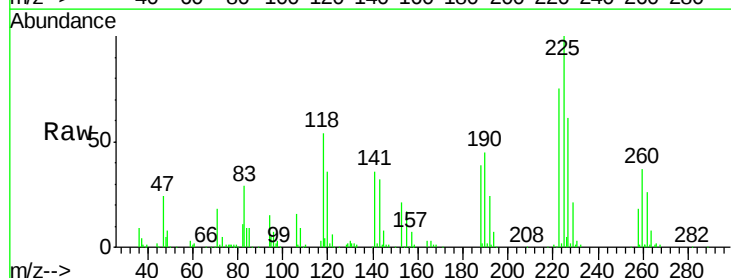
RT: 23.43 min Scan# 6420

Delta R.T. 0.00 min

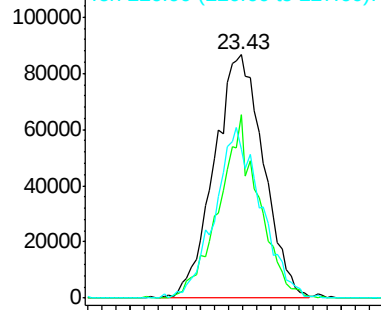
Lab File: VL035235.D

Acq: 29 Jul 2020 4:02

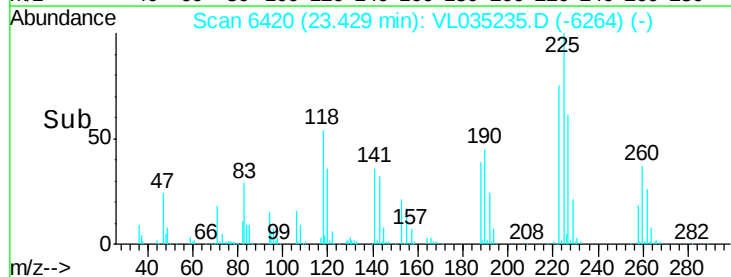
Tgt Ion:	225	Resp:	212083
Ion Ratio		Lower	Upper
225	100		
223	61.0	51.3	76.9
227	65.3	51.4	77.2

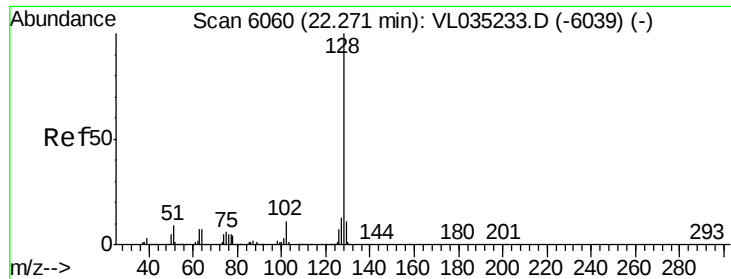


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



Time-->





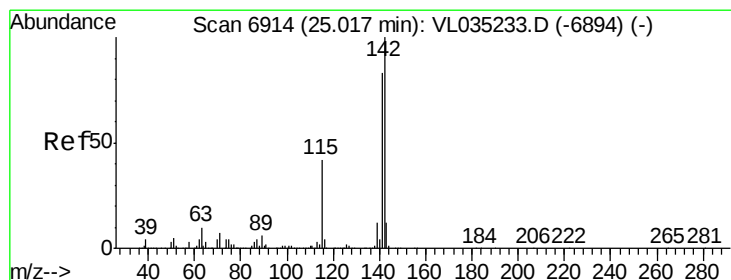
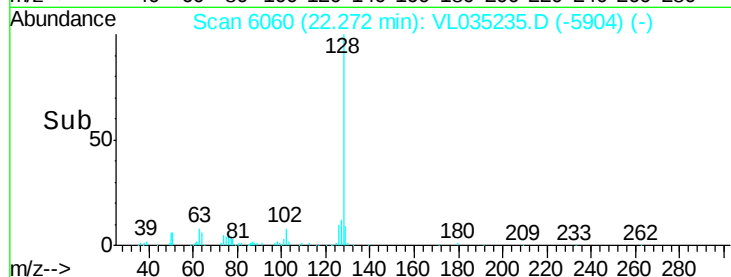
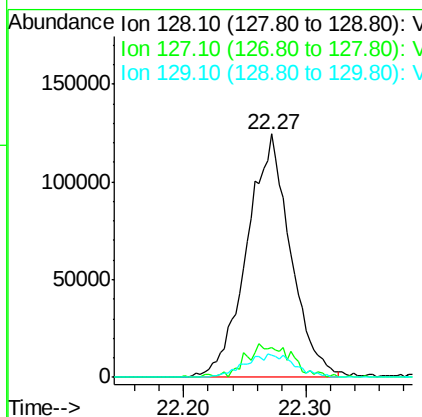
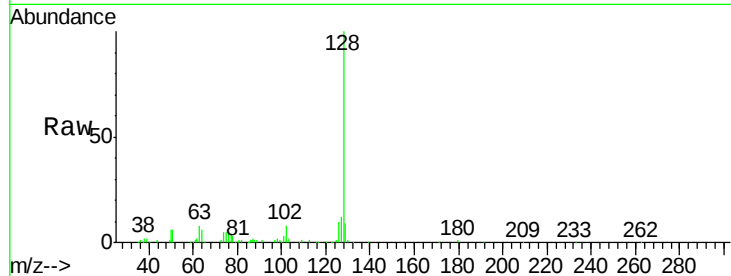
#79
Naphthalene
Concen: 1.187 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	10.2	8.5	12.7

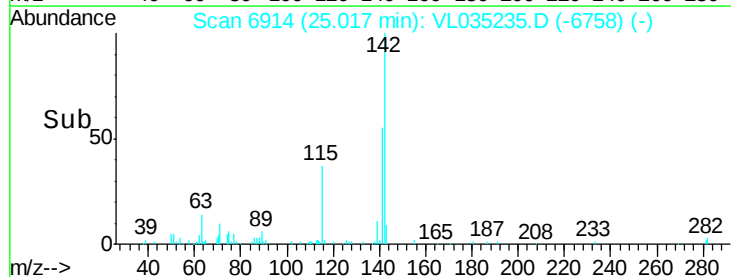
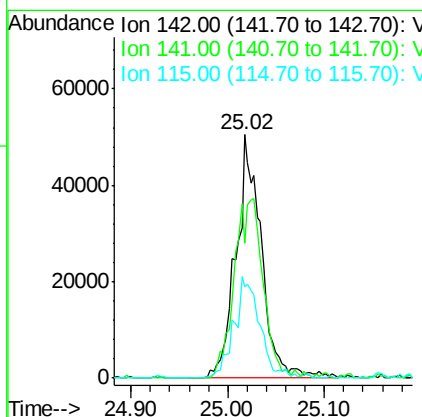
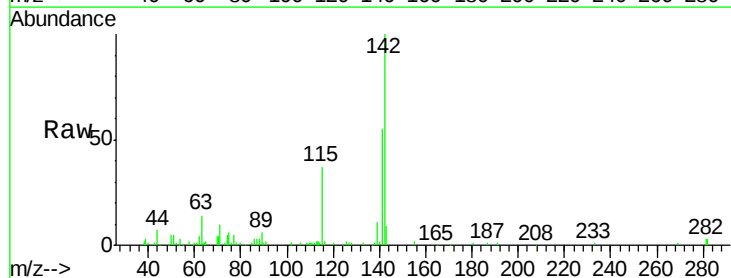
Manual Integrations
APPROVED

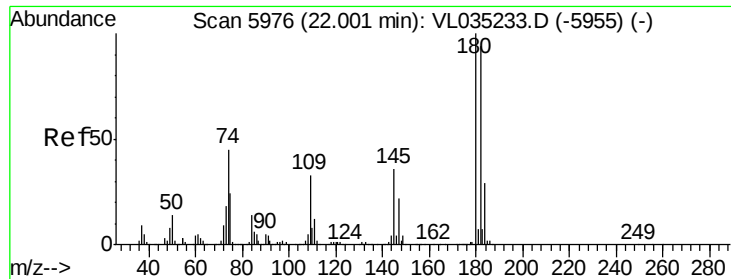
MMDadoda
7/30/2020 6:10:23 PM



#80
Naphthalene, 2-methyl-
Concen: 1.490 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.6	103.0
115	42.1	34.5	51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 1.227 ppbv
 RT: 22.00 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL035235.D
 Acq: 29 Jul 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
184	31.2	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:23 PM

