

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014739.D
 Acq On : 24 Jan 2020 11:52
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:04:43 PM

Quant Time: Jan 24 12:42:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	725781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1098749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	957323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	464477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	356703	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.88	113	335190	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
50) Toluene-d8	10.32	98	1404852	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.62	95	471552	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	251140	58.552	ug/l	100
3) Chloromethane	2.21	50	292346	55.412	ug/l	100
4) Vinyl Chloride	2.36	62	482185	61.718	ug/l	100
5) Bromomethane	2.78	94	272952	57.606	ug/l	100
6) Chloroethane	2.92	64	272564	61.571	ug/l	100
7) Trichlorofluoromethane	3.26	101	238350	61.451	ug/l	100
8) Diethyl Ether	3.67	74	190852	51.670	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	368256	52.638	ug/l	100
10) Methyl Iodide	4.27	142	533007	50.936	ug/l	100
11) Tert butyl alcohol	5.16	59	114590	212.424	ug/l	100
12) 1,1-Dichloroethene	4.04	96	385025	52.606	ug/l	100
13) Acrolein	3.89	56	115257	216.944	ug/l	100
14) Allyl chloride	4.66	41	642940	56.718	ug/l	100
15) Acrylonitrile	5.36	53	436967	261.857	ug/l	100
16) Acetone	4.11	43	418063	236.938	ug/l	100
17) Carbon Disulfide	4.38	76	1224499	54.988	ug/l	100
18) Methyl Acetate	4.67	43	193312	45.943	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	494693	54.542	ug/l	100
20) Methylene Chloride	4.91	84	403956	47.957	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	410705	52.840	ug/l	100
22) Diisopropyl ether	6.31	45	1206461	56.840	ug/l	100
23) Vinyl Acetate	6.25	43	3581569	283.227	ug/l	100
24) 1,1-Dichloroethane	6.21	63	725929	54.539	ug/l	100
25) 2-Butanone	7.17	43	575877	254.007	ug/l	100
26) 2,2-Dichloropropane	7.16	77	387225	52.502	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	426450	52.321	ug/l	100
28) Bromochloromethane	7.51	49	274627	53.136	ug/l	100
29) Tetrahydrofuran	7.52	42	367341	260.151	ug/l	100
30) Chloroform	7.67	83	672560	54.118	ug/l	100
31) Cyclohexane	7.95	56	717775	52.022	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	541760	54.260	ug/l	100
36) 1,1-Dichloropropene	8.08	75	578375	53.802	ug/l	100
37) Ethyl Acetate	7.24	43	245899	51.725	ug/l	100
38) Carbon Tetrachloride	8.06	117	498486	53.493	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014739.D
 Acq On : 24 Jan 2020 11:52
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:04:43 PM

Quant Time: Jan 24 12:42:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	708687	51.789	ug/l	100
40) Benzene	8.32	78	1616357	53.179	ug/l	100
41) Methacrylonitrile	7.48	41	141168	52.927	ug/l	100
42) 1,2-Dichloroethane	8.40	62	433151	54.743	ug/l	100
43) Isopropyl Acetate	8.42	43	459692	52.853	ug/l	100
44) Trichloroethene	9.09	130	412534	50.595	ug/l	100
45) 1,2-Dichloropropane	9.37	63	401622	53.794	ug/l	100
46) Dibromomethane	9.46	93	187896	51.743	ug/l	100
47) Bromodichloromethane	9.64	83	493999	54.345	ug/l	100
48) Methyl methacrylate	9.43	41	215532	51.285	ug/l	100
49) 1,4-Dioxane	9.44	88	67702	1017.901	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1195465	265.901	ug/l	100
52) Toluene	10.38	92	995357	52.362	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	492901	52.946	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	608416	53.250	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	268494	50.788	ug/l	100
56) Ethyl methacrylate	10.64	69	363692	53.208	ug/l	100
57) 1,3-Dichloropropane	10.93	76	489082	52.286	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	574280	273.955	ug/l	100
59) 2-Hexanone	10.96	43	817713	265.577	ug/l	100
60) Dibromochloromethane	11.13	129	303021	50.807	ug/l	100
61) 1,2-Dibromoethane	11.23	107	249121	49.935	ug/l	100
64) Tetrachloroethene	10.86	164	337083	48.758	ug/l	100
65) Chlorobenzene	11.65	112	1000551	50.827	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	341949	51.608	ug/l	100
67) Ethyl Benzene	11.73	91	1867463	52.439	ug/l	100
68) m/p-Xylenes	11.83	106	1407752	103.532	ug/l	100
69) o-Xylene	12.16	106	646190	51.487	ug/l	100
70) Styrene	12.18	104	1108073	52.266	ug/l	100
71) Bromoform	12.35	173	174614	49.162	ug/l #	100
73) Isopropylbenzene	12.46	105	1744592	50.933	ug/l	100
74) N-amyl acetate	12.27	43	417758	54.512	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	303980	49.810	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	228331m	52.569	ug/l	
77) Bromobenzene	12.74	156	405877	51.004	ug/l	100
78) n-propylbenzene	12.80	91	2139411	52.724	ug/l	100
79) 2-Chlorotoluene	12.89	91	1199626	51.988	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1501552	51.964	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	101207	51.883	ug/l	100
82) 4-Chlorotoluene	12.99	91	1252850	52.192	ug/l	100
83) tert-Butylbenzene	13.21	119	1295954	51.387	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1506009	52.321	ug/l	100
85) sec-Butylbenzene	13.38	105	1814720	51.841	ug/l	100
86) p-Isopropyltoluene	13.49	119	1673355	52.393	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	786622	50.793	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	764749	50.154	ug/l	100
89) n-Butylbenzene	13.82	91	1598593	53.750	ug/l	100
90) Hexachloroethane	14.09	117	285178	51.303	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	690261	50.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	48461	50.279	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
Data File : VW014739.D
Acq On : 24 Jan 2020 11:52
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM

Quant Time: Jan 24 12:42:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 24 12:36:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	469187	51.505	ug/l	100
94) Hexachlorobutadiene	15.24	225	309702	50.323	ug/l	100
95) Naphthalene	15.36	128	820044	53.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	408267	51.505	ug/l	100

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

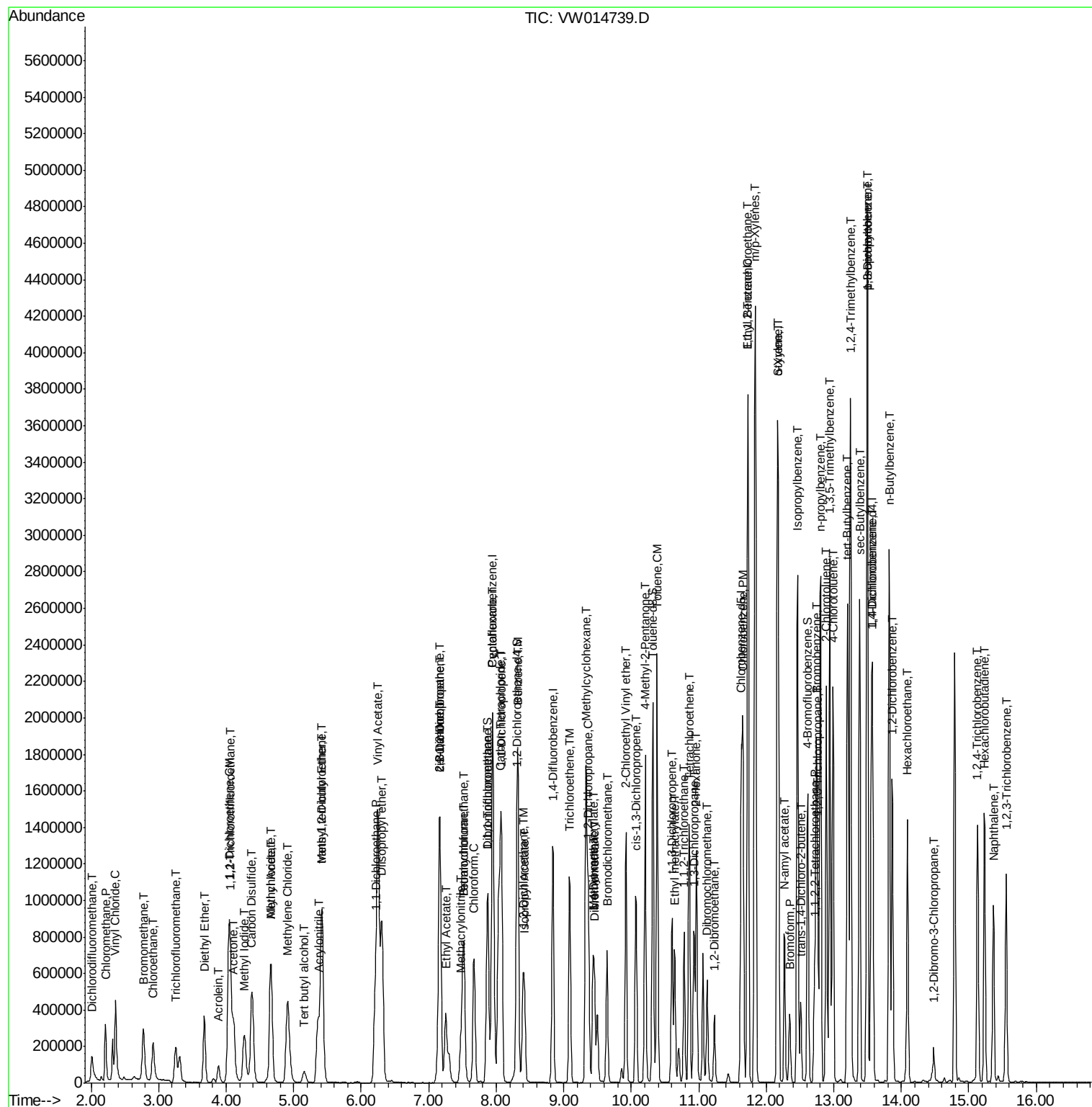
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014739.D
 Acq On : 24 Jan 2020 11:52
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

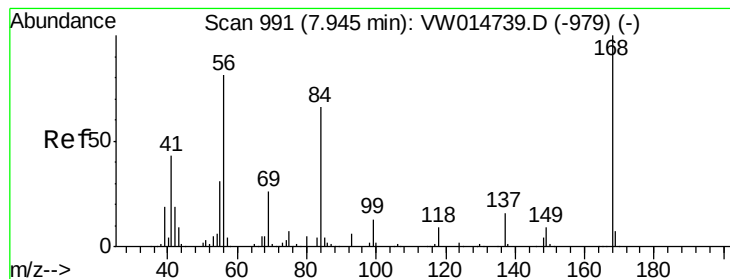
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:04:43 PM

Quant Time: Jan 24 12:42:29 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tot Ion: 168 Resp: 725781

Ion Ratio Lower Upper

168 100

99 53.3 42.6 64.0

Instrument :

MSVOA_W

ClientSampled :

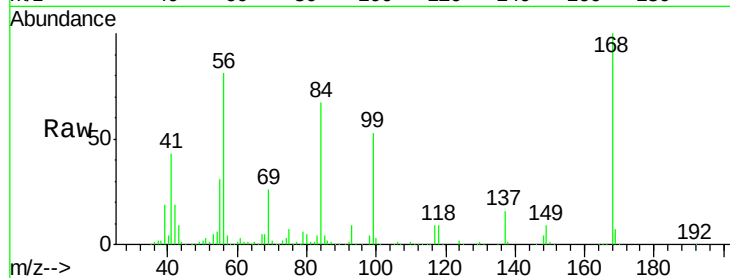
VSTDICCC050

Manual Integrations

APPROVED

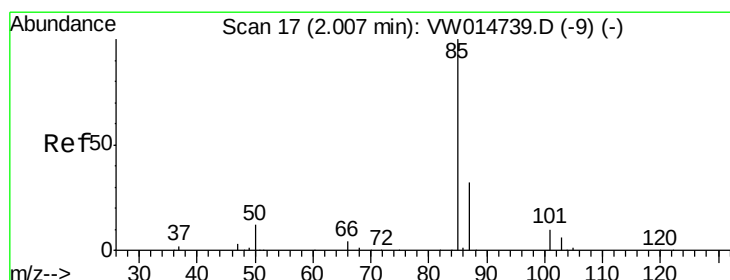
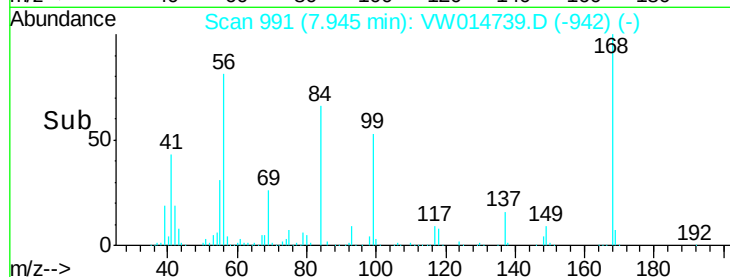
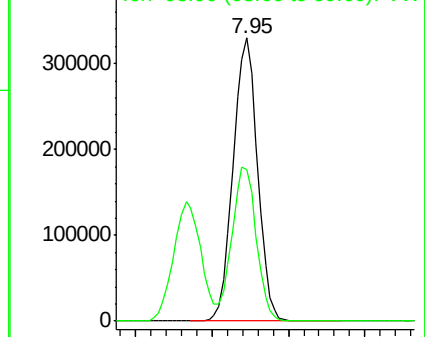
MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 58.552 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014739.D

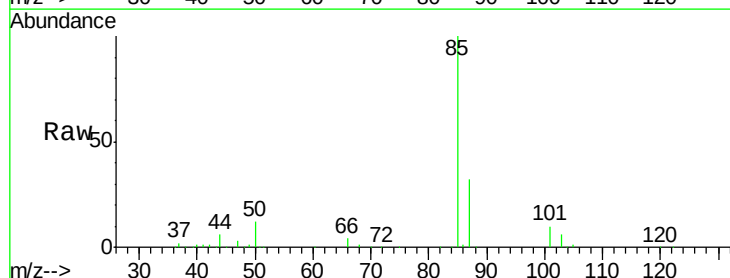
Acq: 24 Jan 2020 11:52

Tgt Ion: 85 Resp: 251140

Ion Ratio Lower Upper

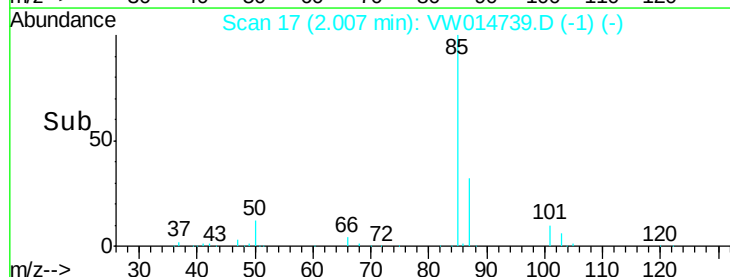
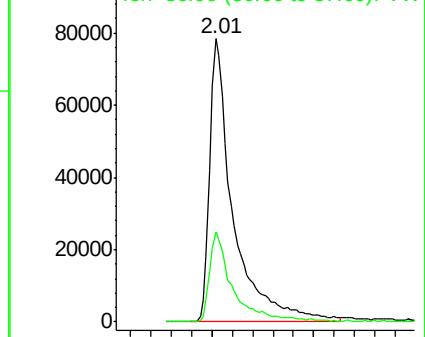
85 100

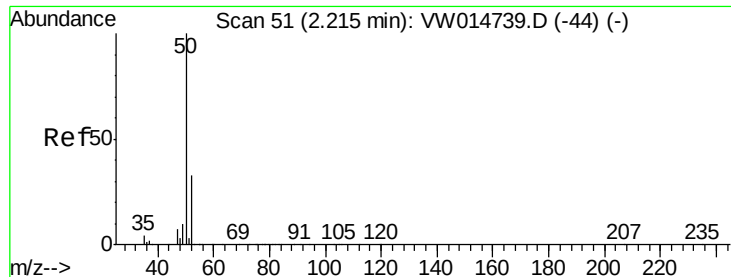
87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.412 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 292346

Ion Ratio Lower Upper

50 100

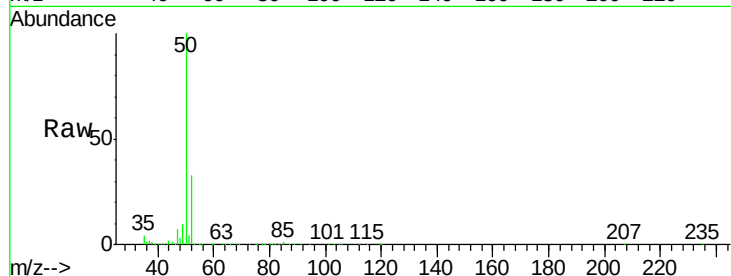
52 33.4 26.7 40.1

Manual Integrations

APPROVED

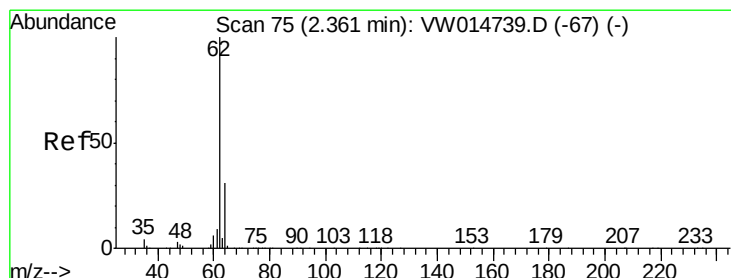
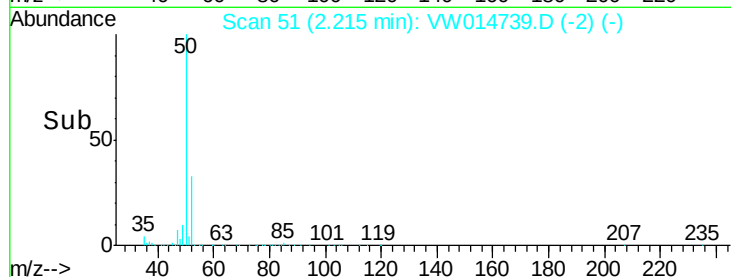
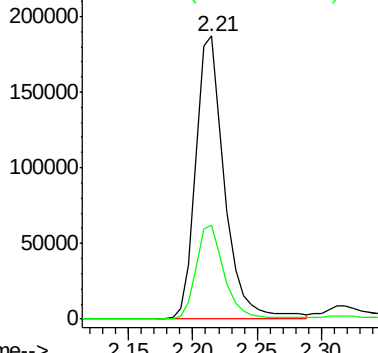
MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 61.718 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014739.D

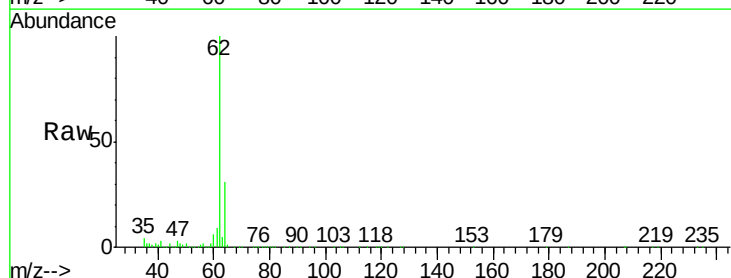
Acq: 24 Jan 2020 11:52

Tgt Ion: 62 Resp: 482185

Ion Ratio Lower Upper

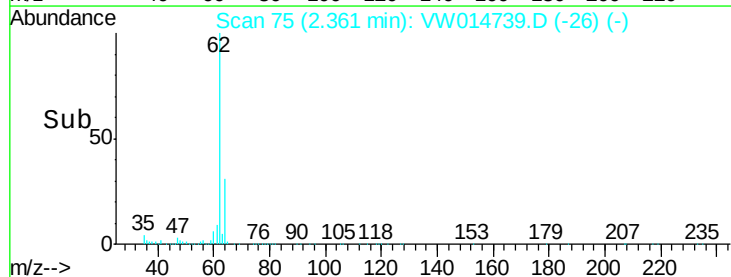
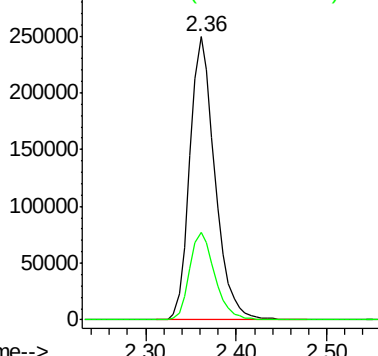
62 100

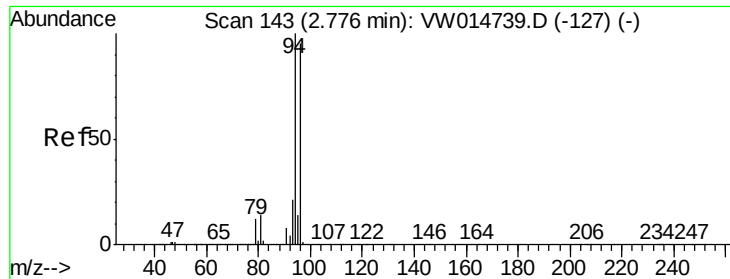
64 30.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 57.606 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 272952

Ion Ratio Lower Upper

94 100

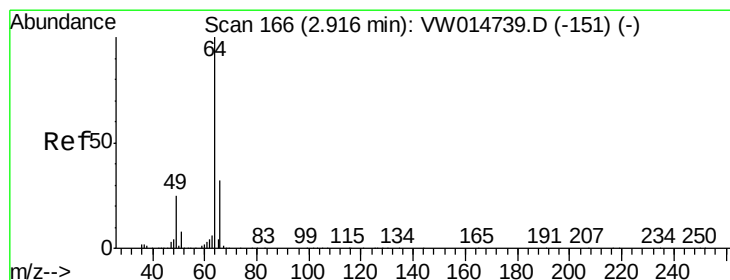
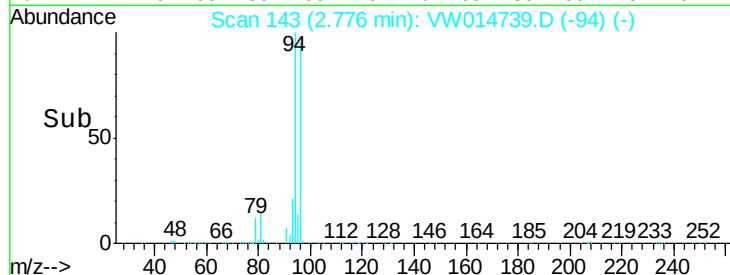
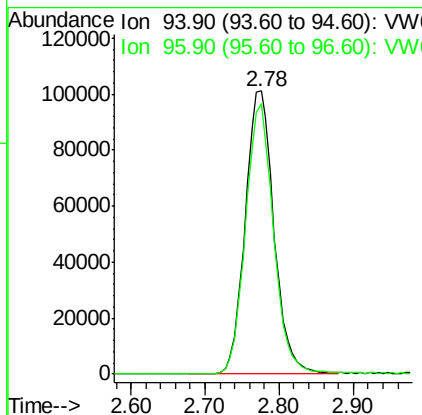
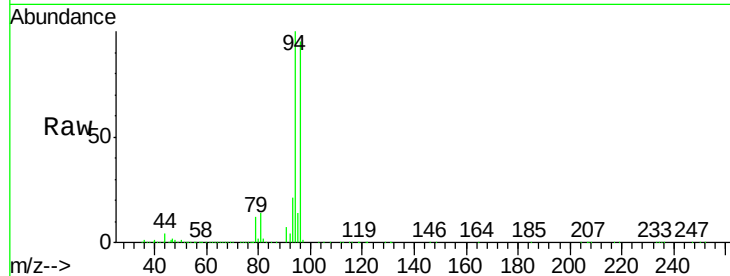
96 95.3 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

1/27/2020 12:04:43 PM



#6

Chloroethane

Concen: 61.571 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014739.D

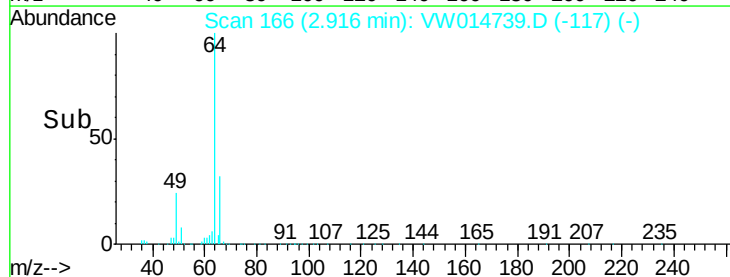
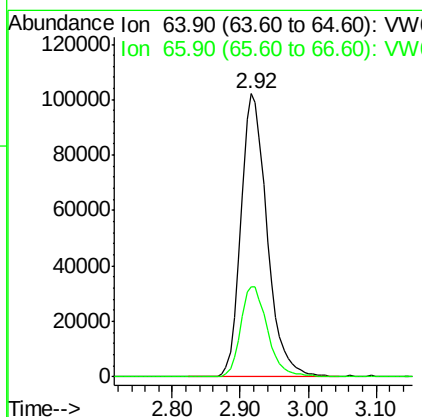
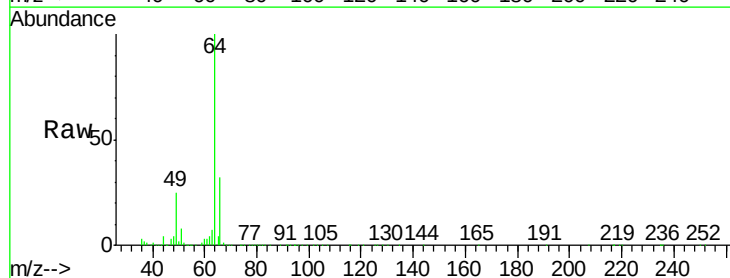
Acq: 24 Jan 2020 11:52

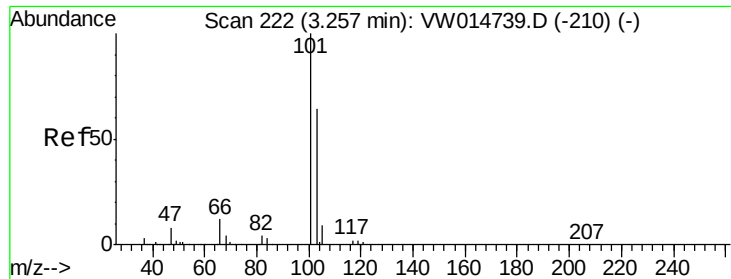
Tgt Ion: 64 Resp: 272564

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

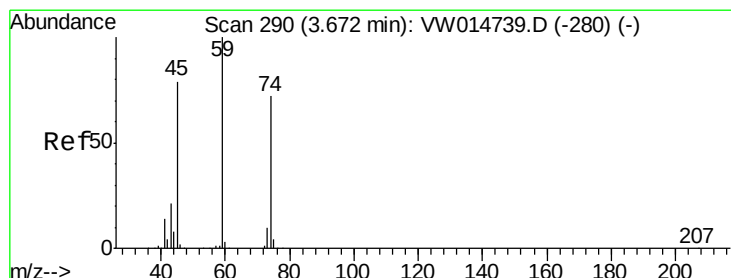
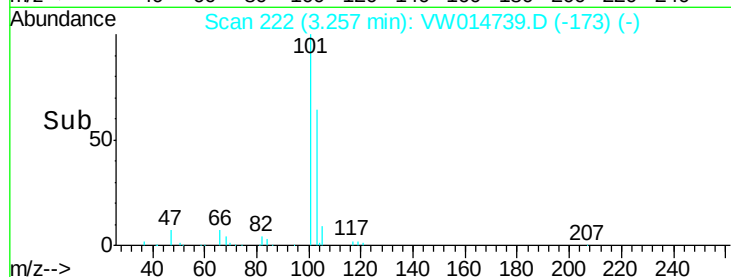
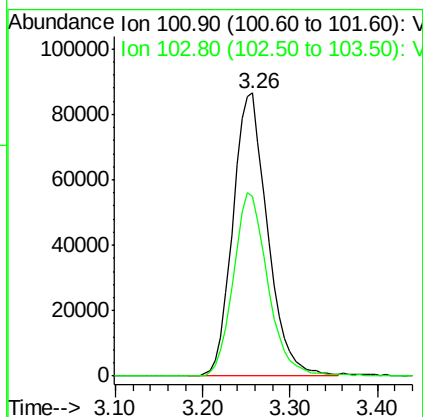
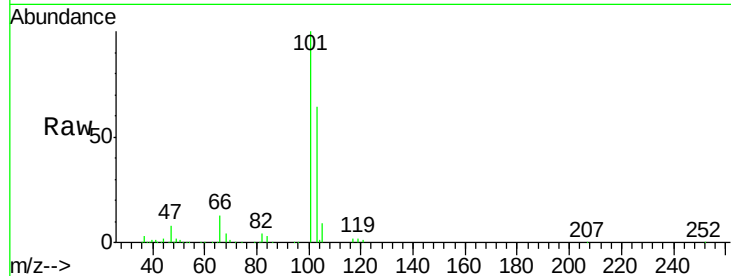
Trichlorofluoromethane
 Concen: 61.451 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	238350		
103	63.5	50.8	76.2	

Manual Integrations
 APPROVED

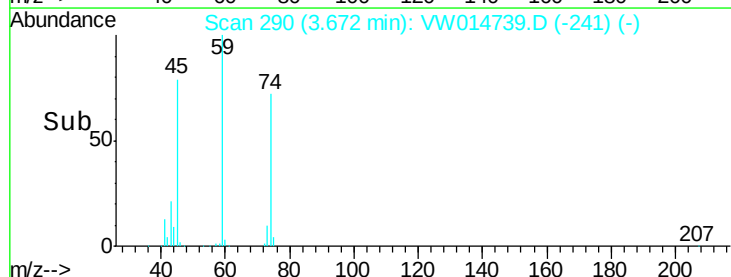
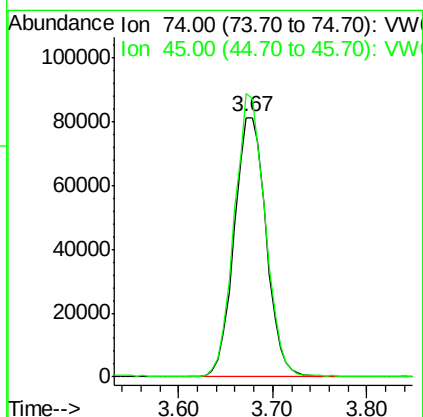
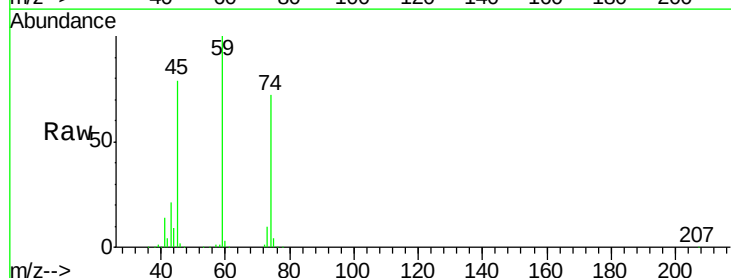
MMDadoda
 1/27/2020 12:04:43 PM

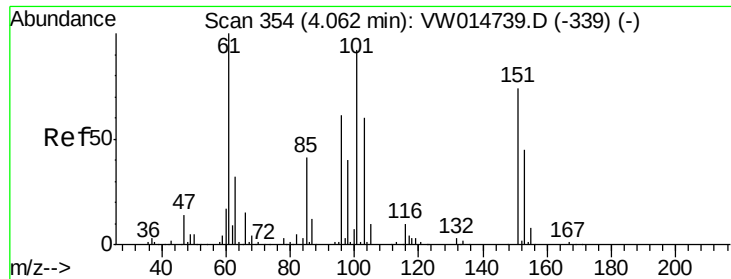


#8

Diethyl Ether
 Concen: 51.670 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	190852		
45	105.4	52.7	158.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.638 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

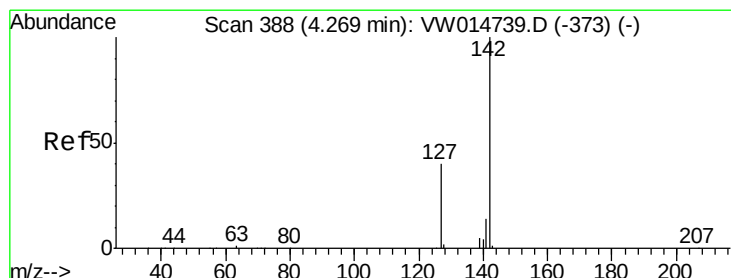
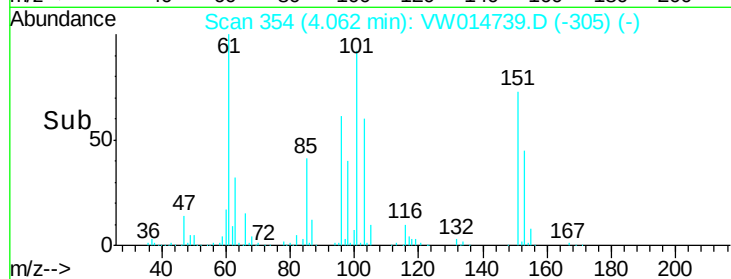
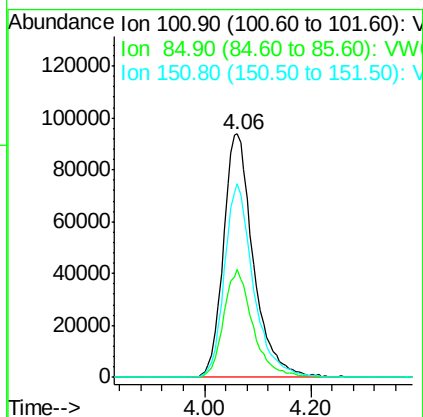
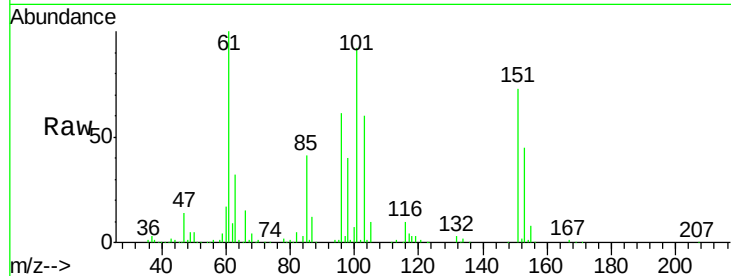
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	368256
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	76.9	61.5	92.3

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#10

Methyl Iodide

Concen: 50.936 ug/l

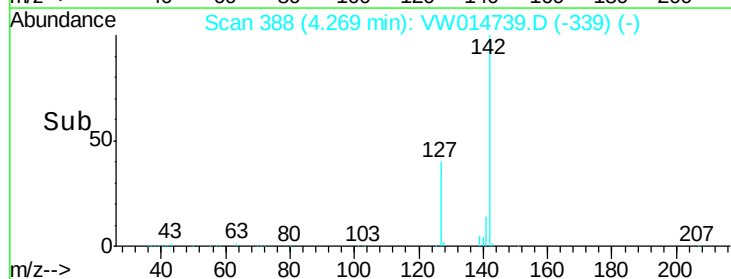
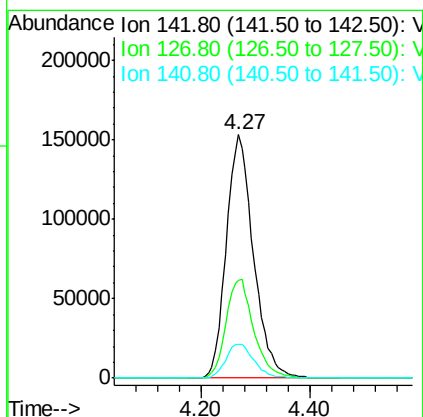
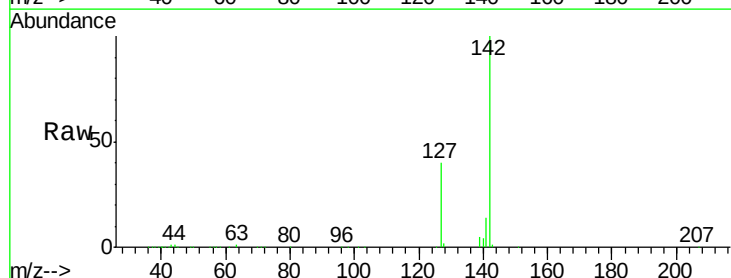
RT: 4.27 min Scan# 388

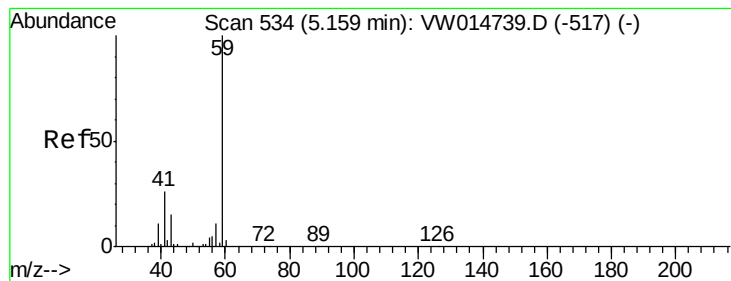
Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion:	142	Resp:	533007
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.2	49.8
141	14.7	11.8	17.6





#11

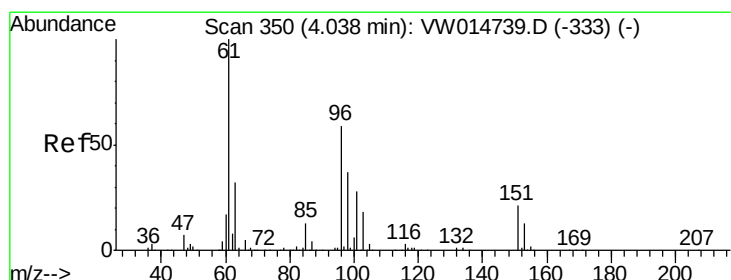
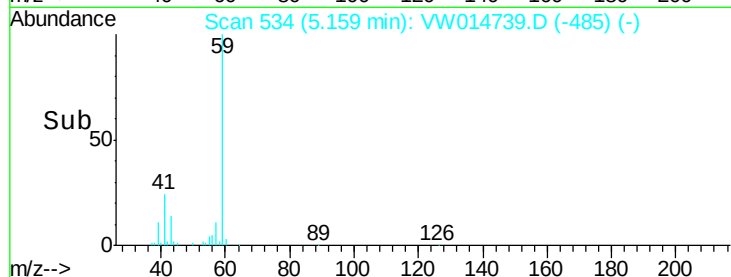
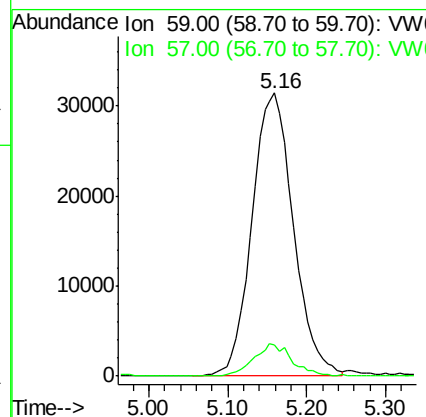
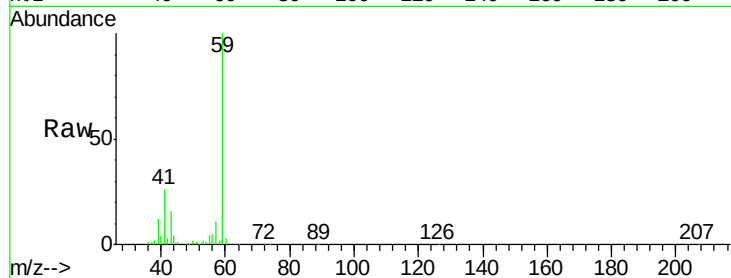
Tert butyl alcohol
 Concen: 212.424 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	59.00	Resp	114590
Ion Ratio	100	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
 APPROVED

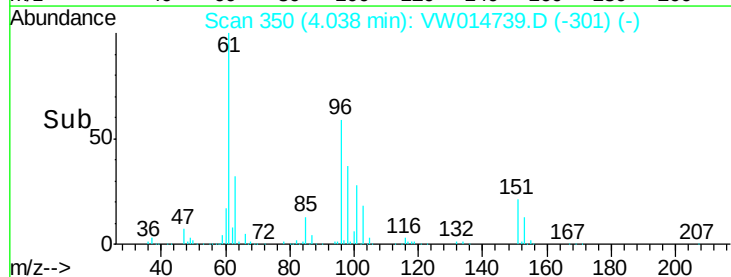
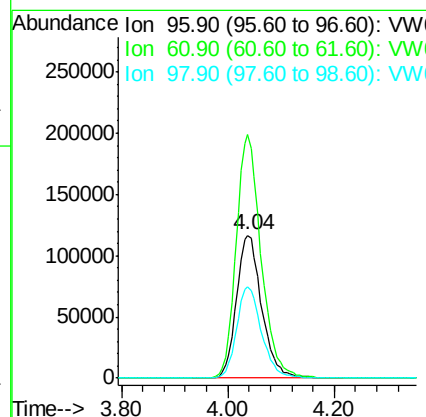
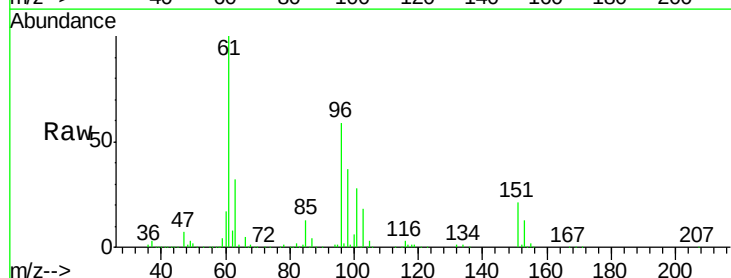
MMDadoda
 1/27/2020 12:04:43 PM

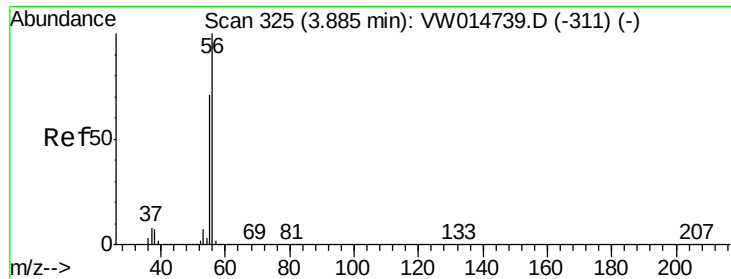


#12

1,1-Dichloroethene
 Concen: 52.606 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	96	Resp	385025
Ion Ratio	100	Lower	Upper
96	100		
61	170.4	136.3	204.5
98	63.8	51.0	76.6





#13

Acrolein

Concen: 216.944 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 115257

Ion Ratio Lower Upper

56 100

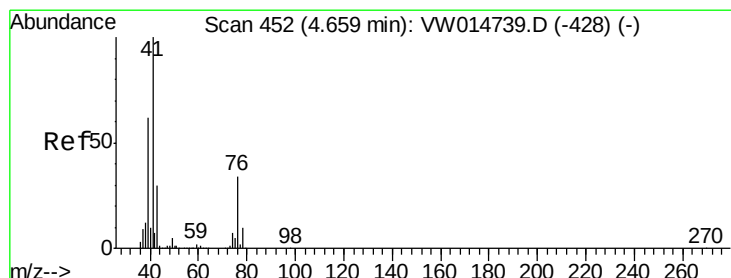
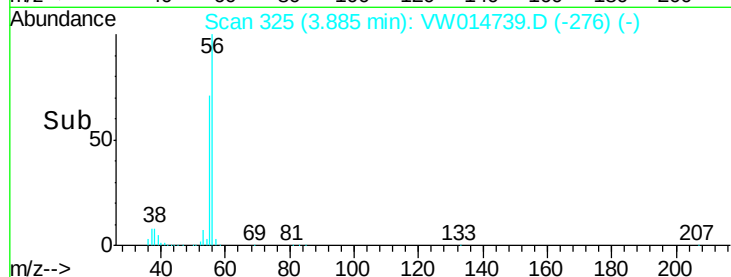
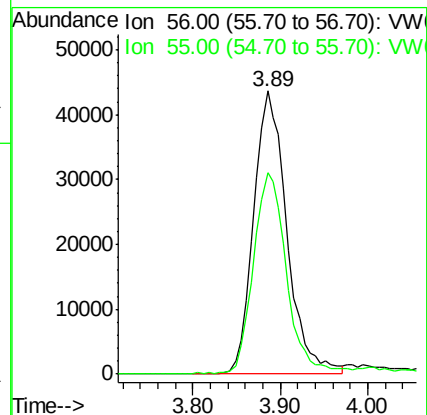
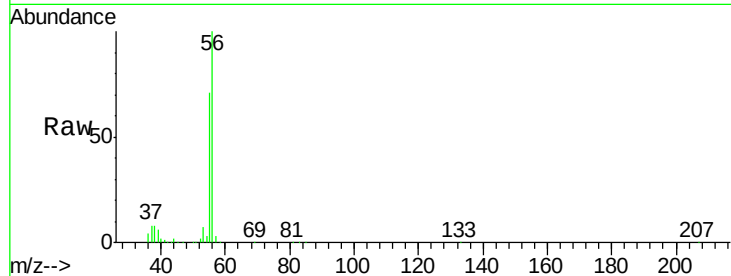
55 69.6 55.7 83.5

Manual Integrations

APPROVED

MMDadoda

1/27/2020 12:04:43 PM



#14

Allyl chloride

Concen: 56.718 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

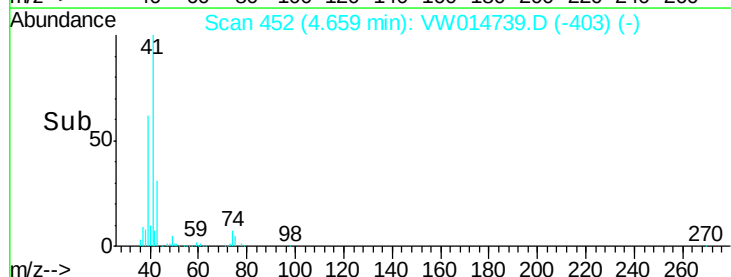
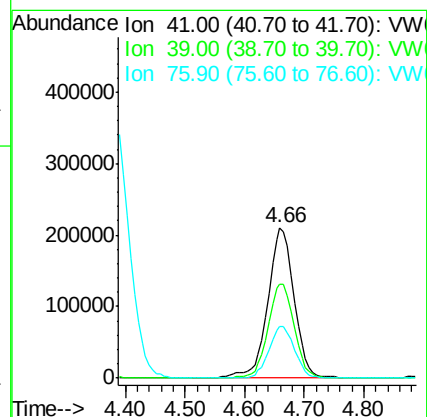
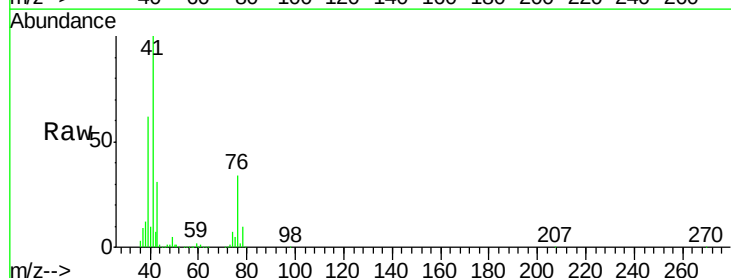
Tgt Ion: 41 Resp: 642940

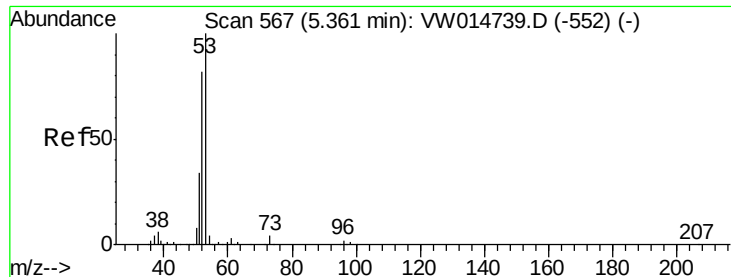
Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 33.4 26.7 40.1





#15

Acrylonitrile

Concen: 261.857 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

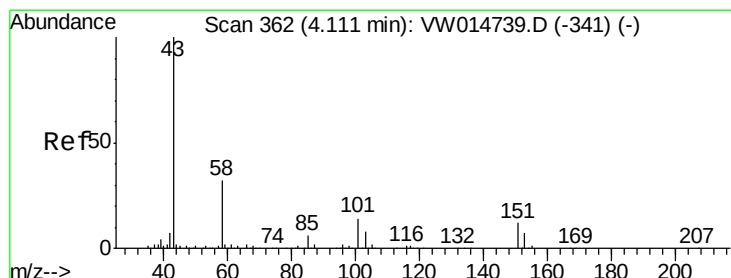
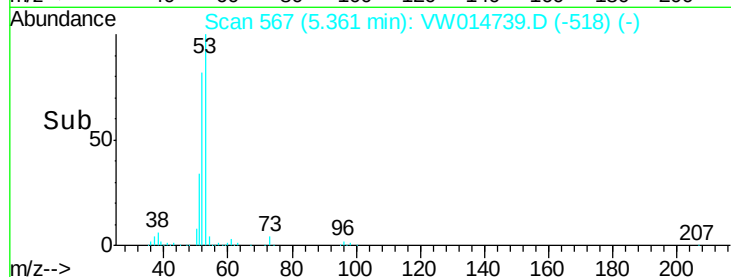
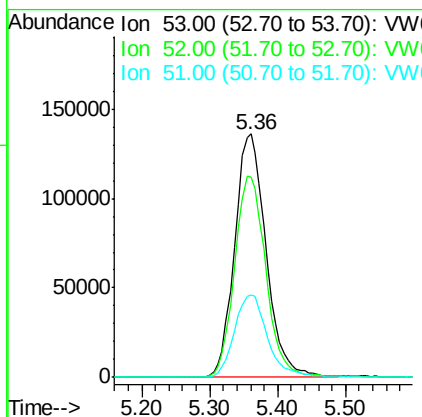
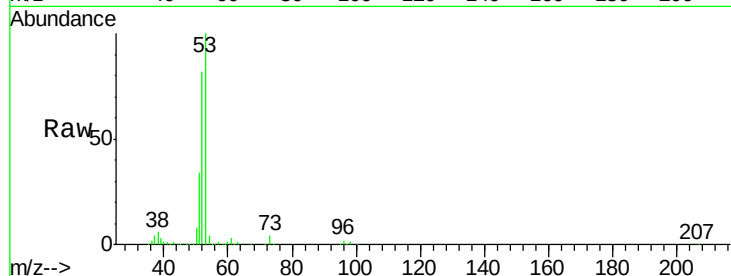
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	436967
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.8	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#16

Acetone

Concen: 236.938 ug/l

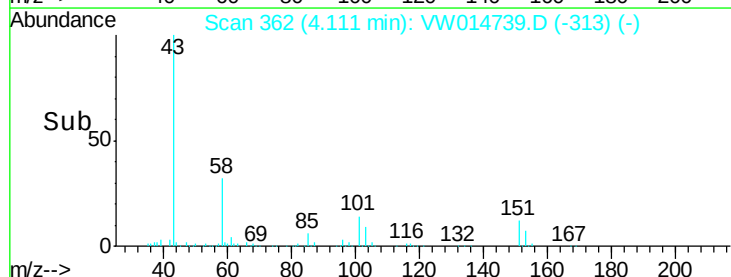
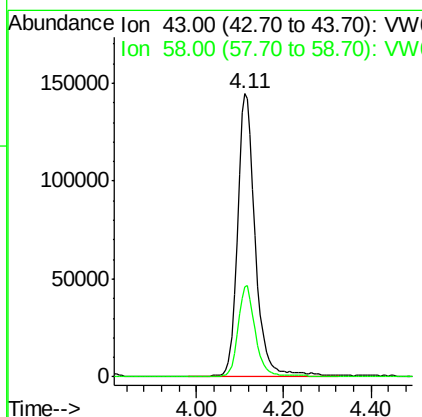
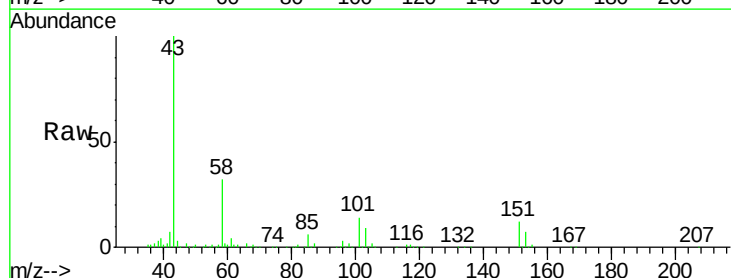
RT: 4.11 min Scan# 362

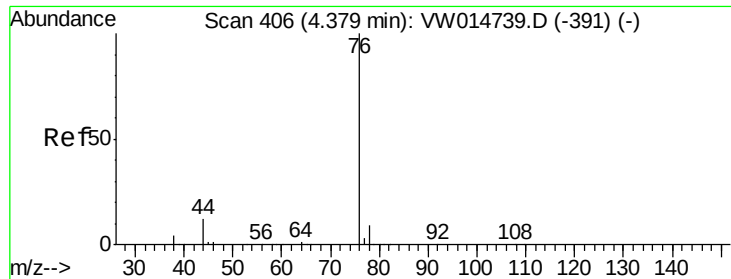
Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion:	43	Resp:	418063
Ion Ratio		Lower	Upper
43	100		
58	32.0	25.6	38.4





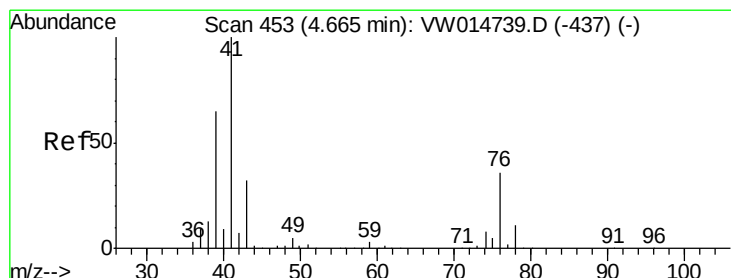
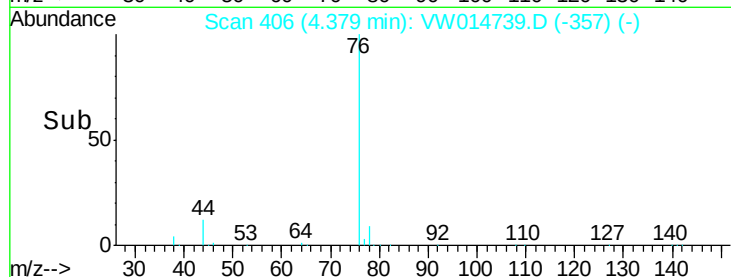
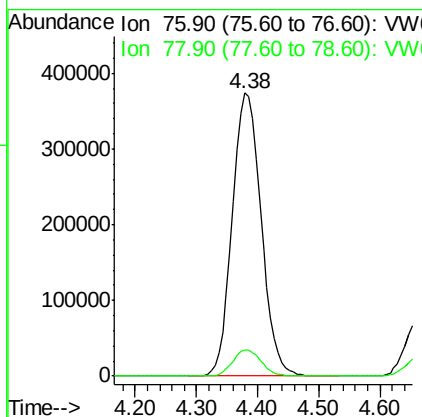
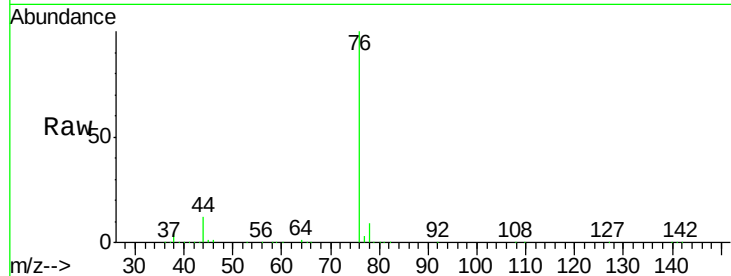
#17
Carbon Disulfide
Concen: 54.988 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1224499
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

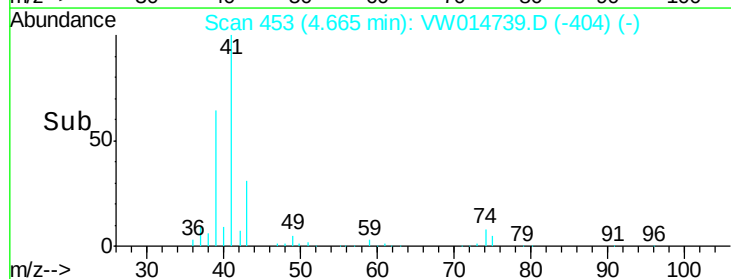
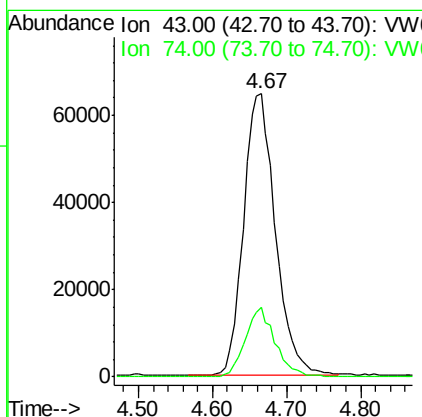
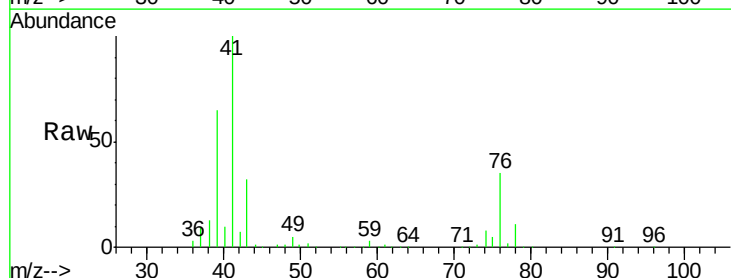
Manual Integrations
APPROVED

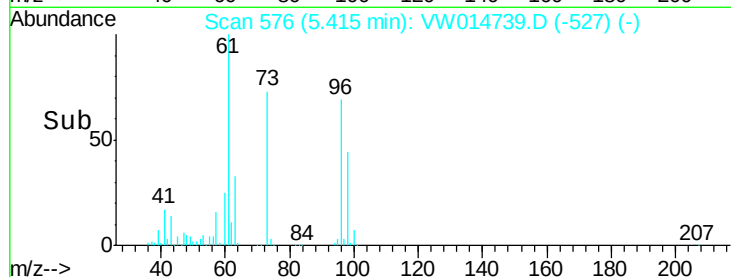
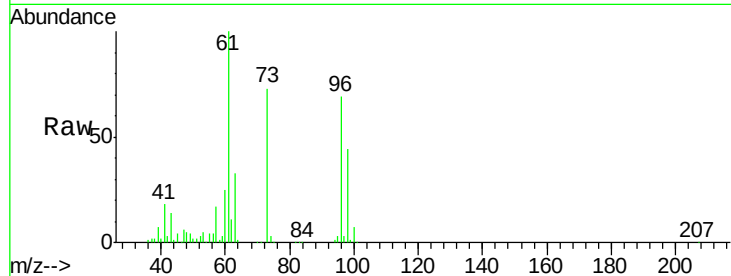
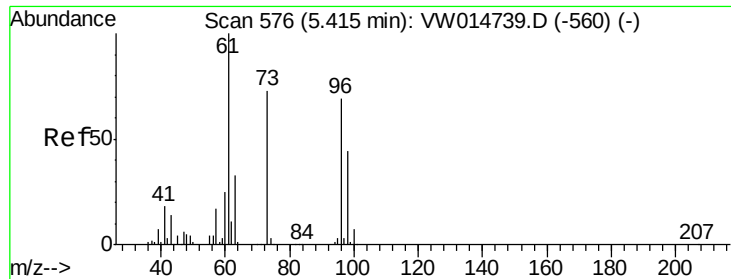
MMDadoda
1/27/2020 12:04:43 PM



#18
Methyl Acetate
Concen: 45.943 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion: 43 Resp: 193312
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6





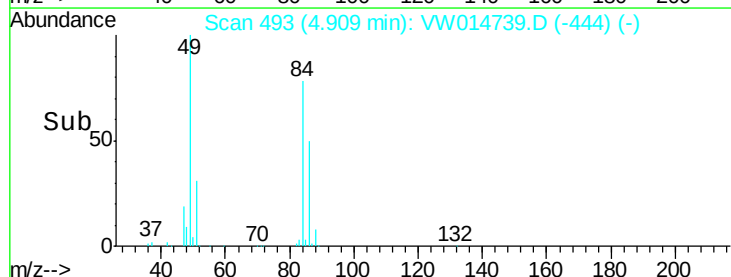
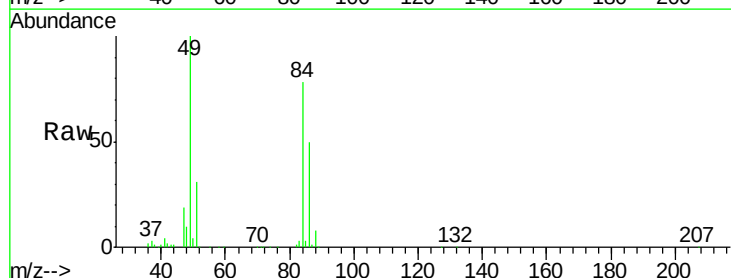
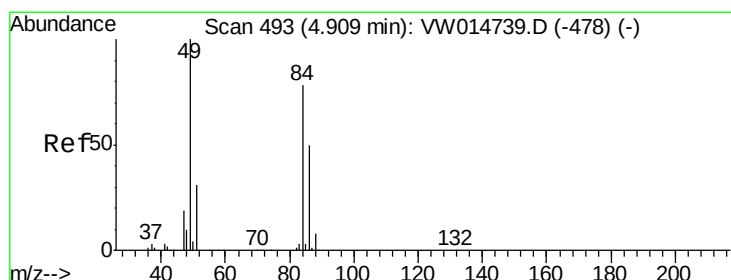
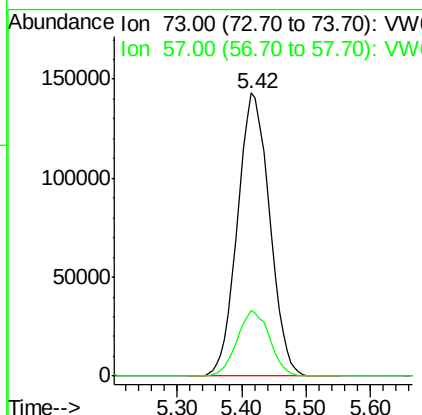
#19
Methyl tert-butyl Ether
Concen: 54.542 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tot Ion: 73 Resp: 494693
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

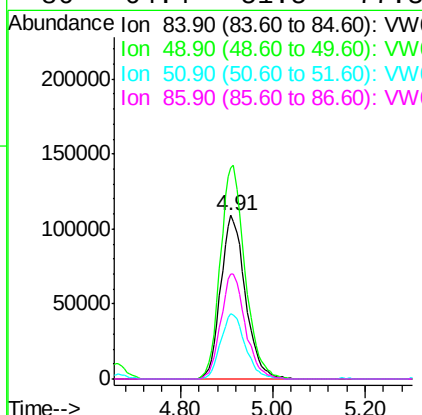
Manual Integrations
APPROVED

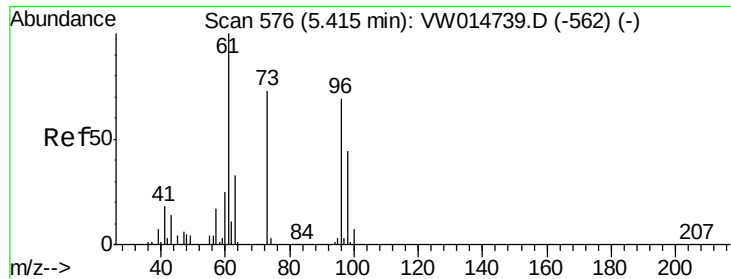
MMDadoda
1/27/2020 12:04:43 PM



#20
Methylene Chloride
Concen: 47.957 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion: 84 Resp: 403956
Ion Ratio Lower Upper
84 100
49 128.9 103.1 154.7
51 40.1 32.1 48.1
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 52.840 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 410705

Ion Ratio Lower Upper

96 100

61 145.1 116.1 174.1

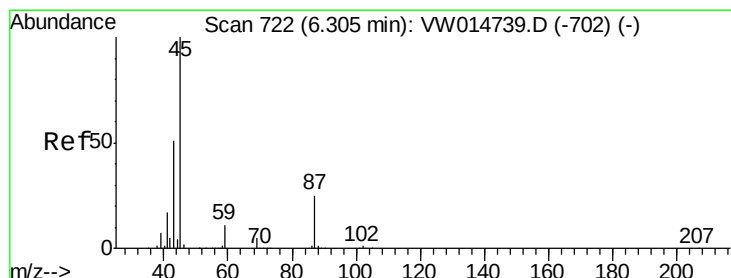
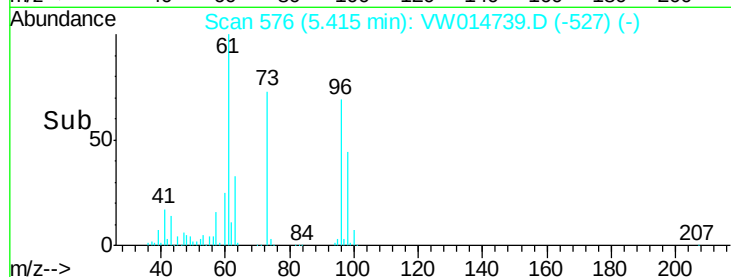
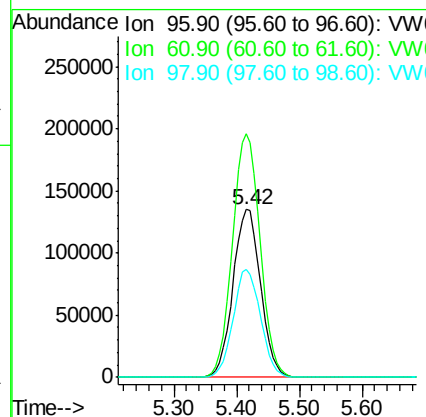
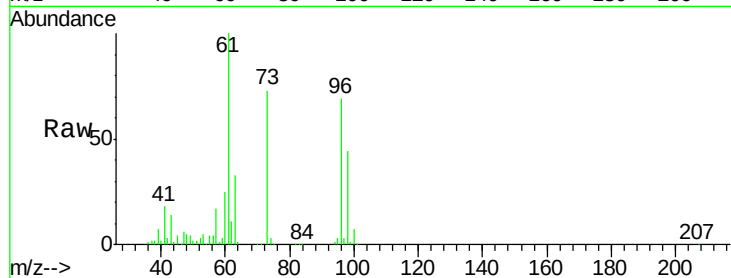
98 64.5 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

1/27/2020 12:04:43 PM



#22

Diisopropyl ether

Concen: 56.840 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion: 45 Resp: 1206461

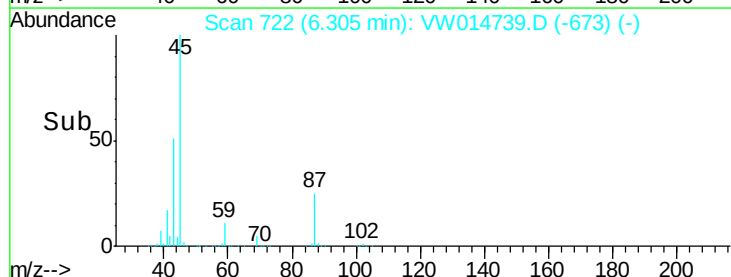
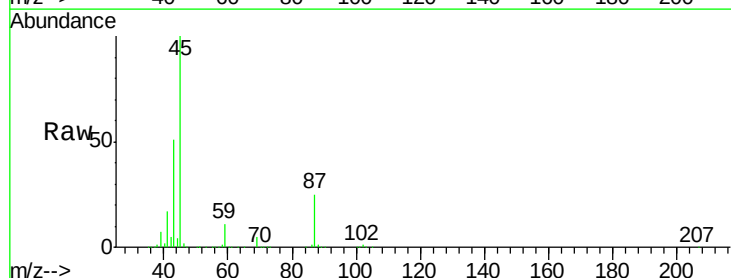
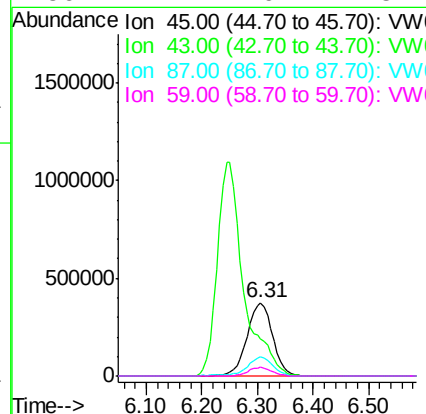
Ion Ratio Lower Upper

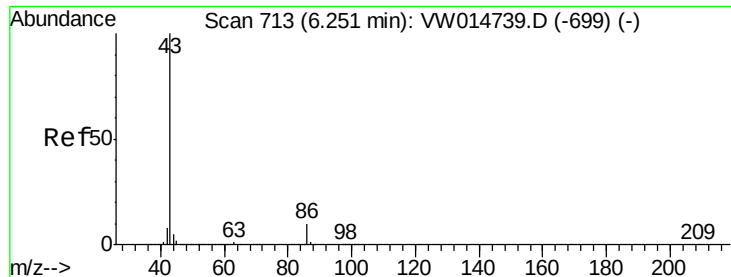
45 100

43 51.1 40.9 61.3

87 25.4 20.3 30.5

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 283.227 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 3581569

Ion Ratio Lower Upper

43 100

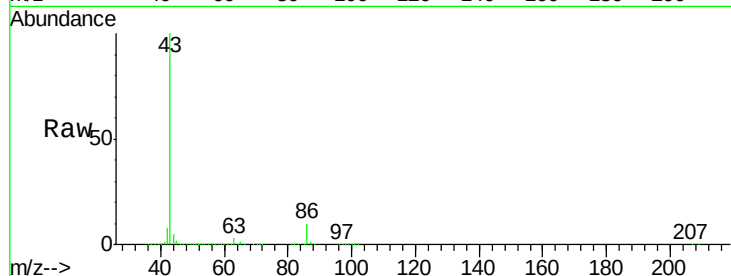
86 9.9 7.9 11.9

Manual Integrations

APPROVED

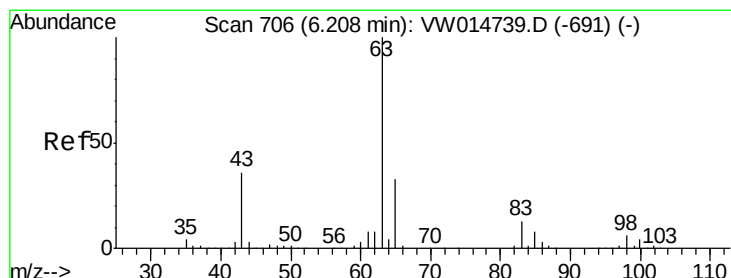
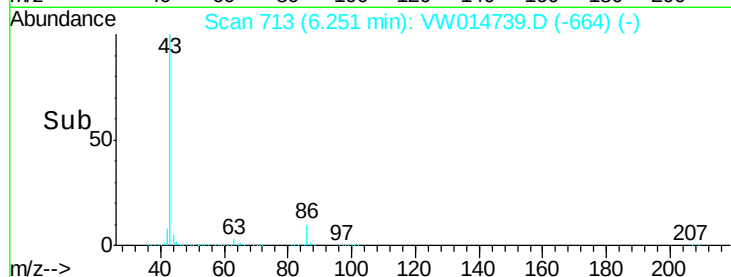
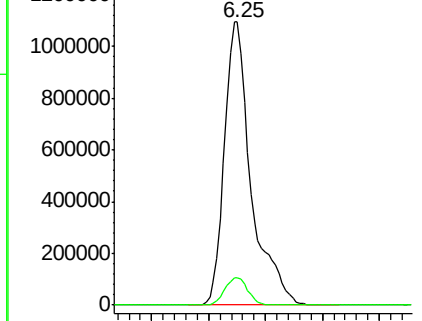
MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.539 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

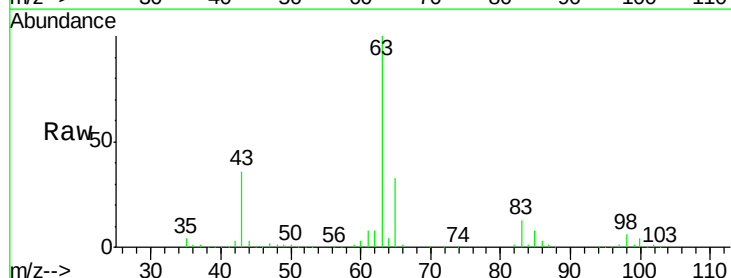
Tgt Ion: 63 Resp: 725929

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

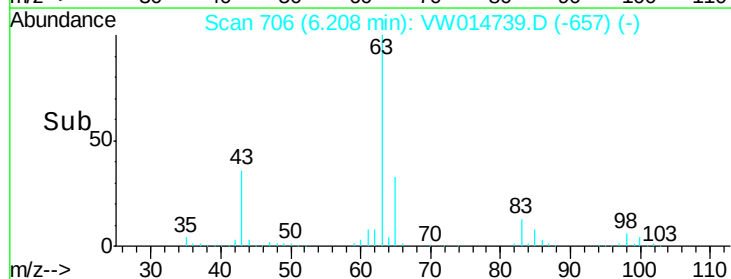
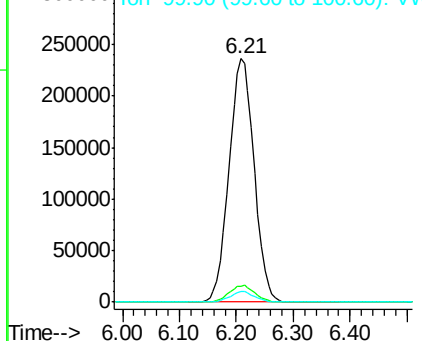
100 4.3 2.1 6.5

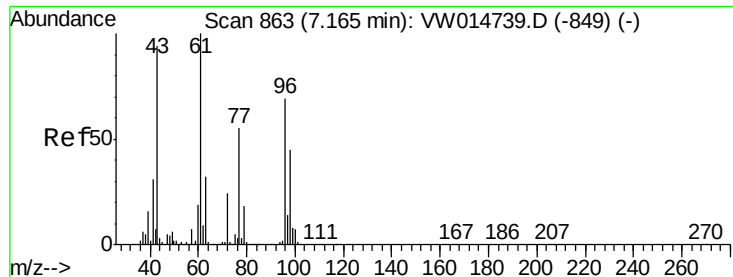


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





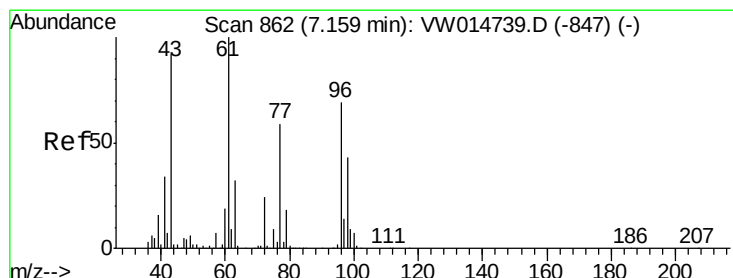
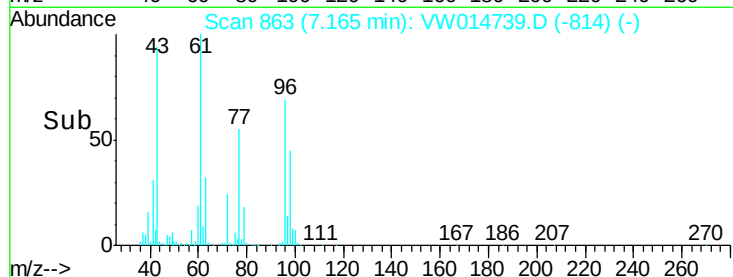
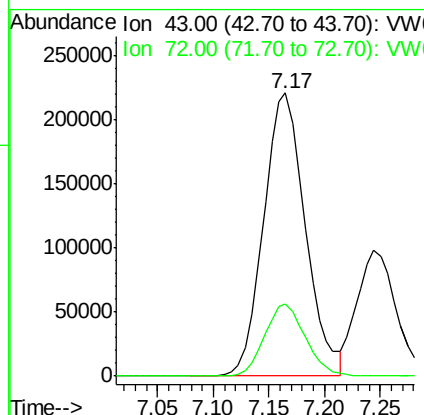
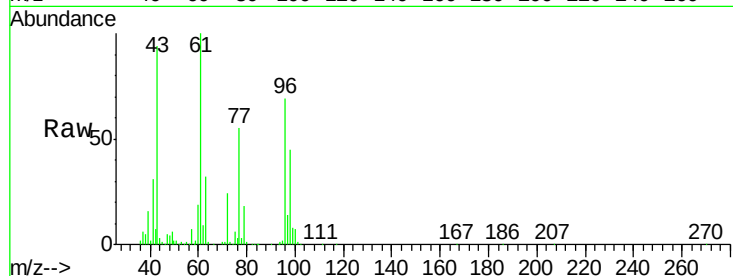
#25
2-Butanone
Concen: 254.007 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 575877
Ion Ratio Lower Upper
43 100
72 25.3 20.2 30.4

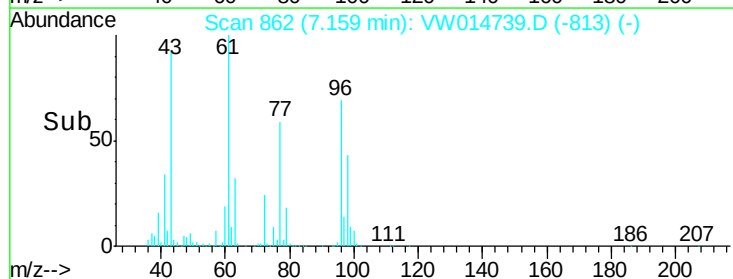
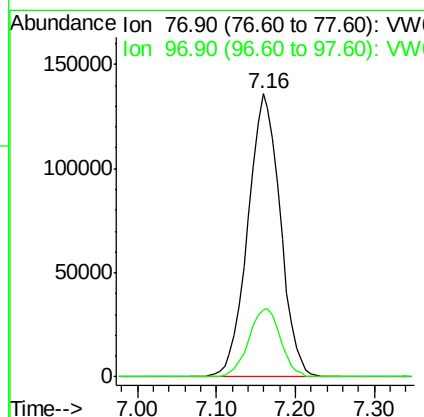
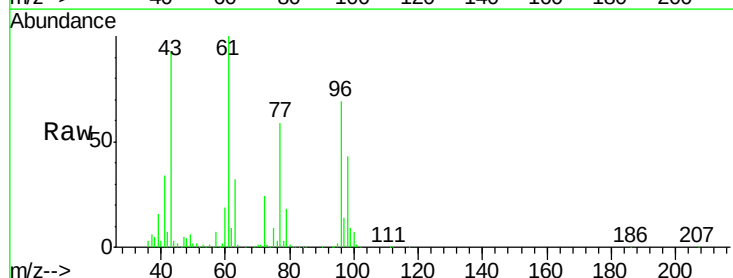
Manual Integrations
APPROVED

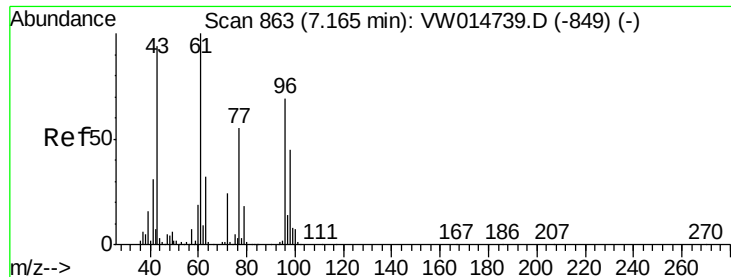
MMDadoda
1/27/2020 12:04:43 PM



#26
2,2-Dichloropropane
Concen: 52.502 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion: 77 Resp: 387225
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.321 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

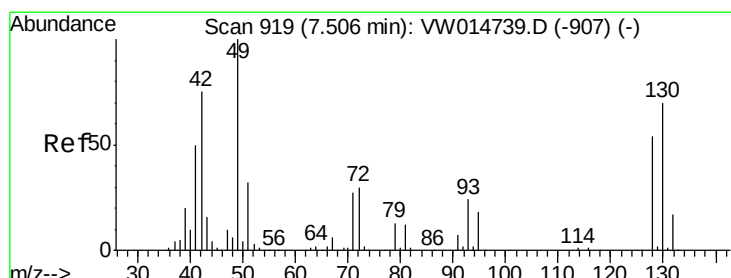
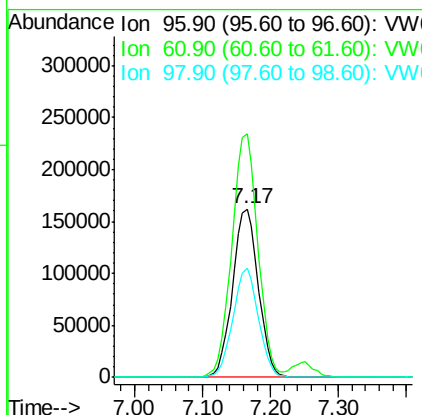
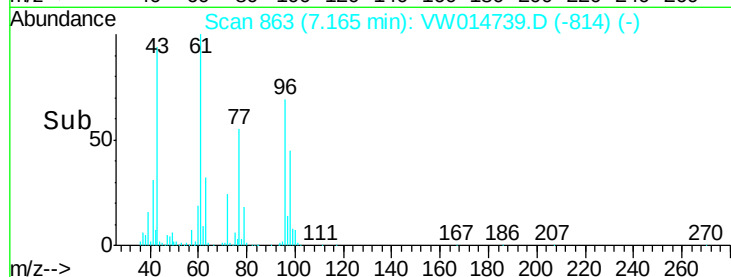
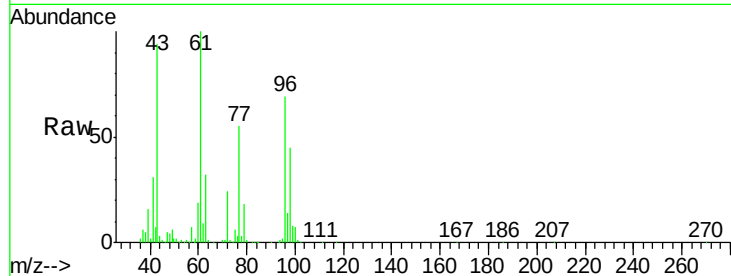
Instrument :
MSVOA_W

ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	292.2
98	63.8	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#28

Bromochloromethane

Concen: 53.136 ug/l

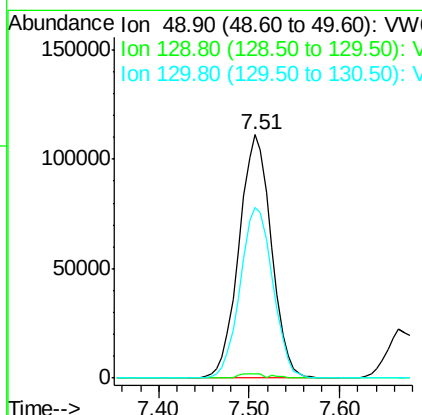
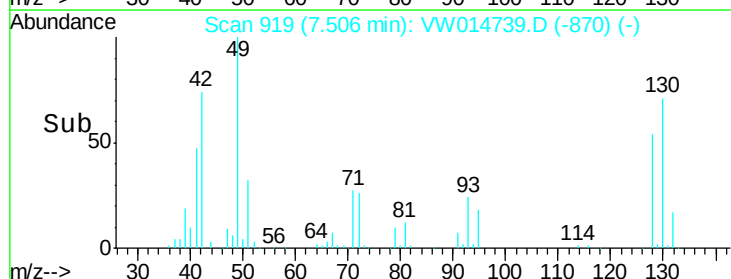
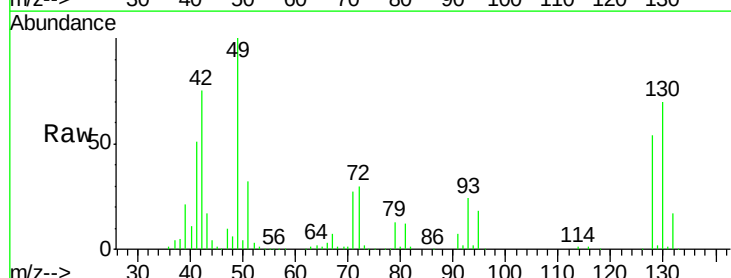
RT: 7.51 min Scan# 919

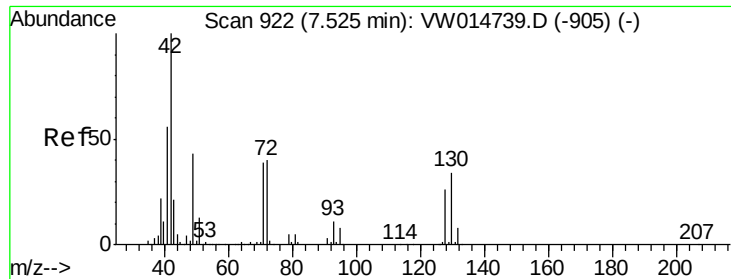
Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.6
130	70.9	56.7	85.1





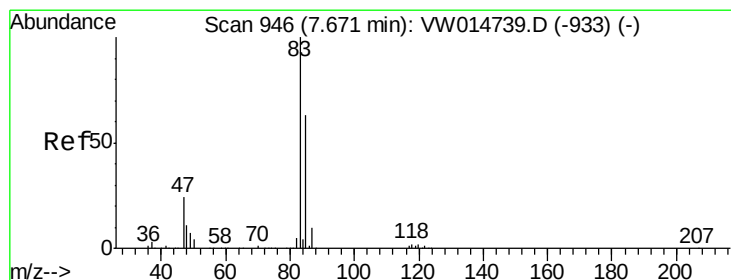
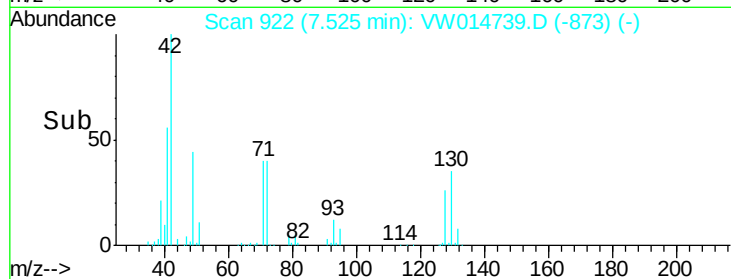
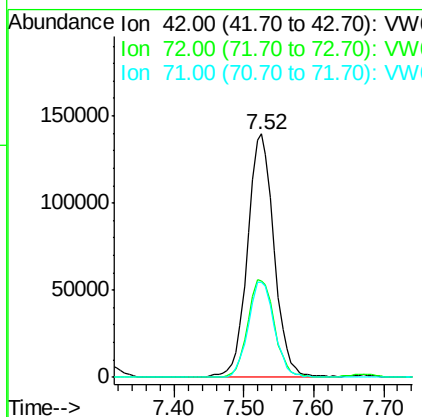
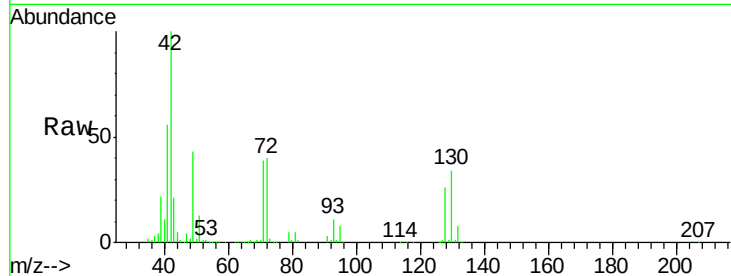
#29
Tetrahydrofuran
Concen: 260.151 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	38.7	31.0	46.4

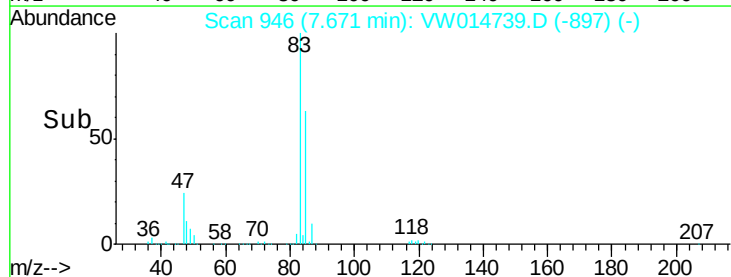
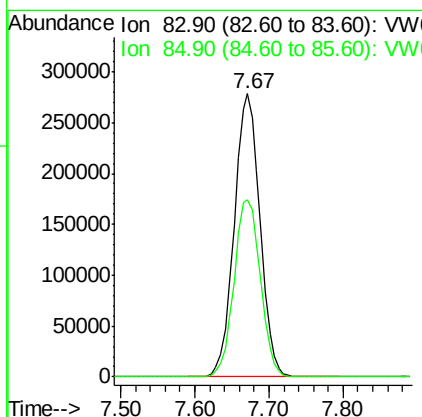
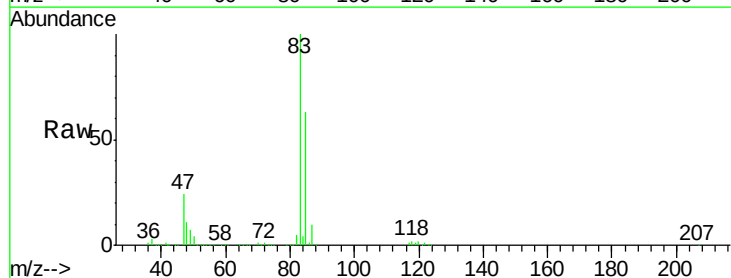
Manual Integrations
APPROVED

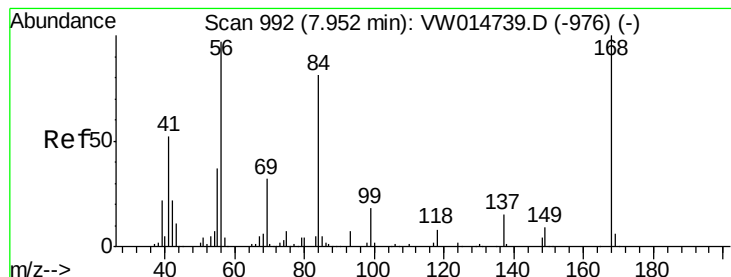
MMDadoda
1/27/2020 12:04:43 PM



#30
Chloroform
Concen: 54.118 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1





#31

Cyclohexane

Concen: 52.022 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

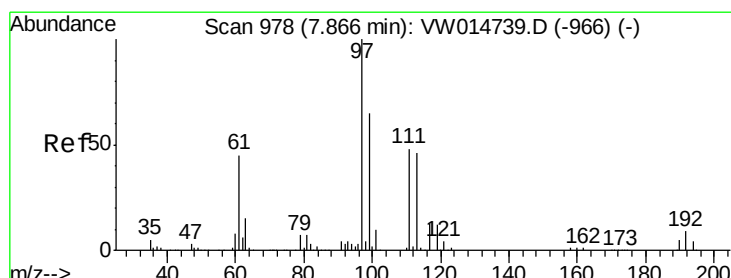
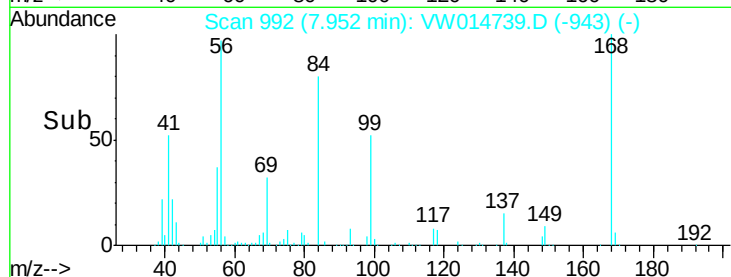
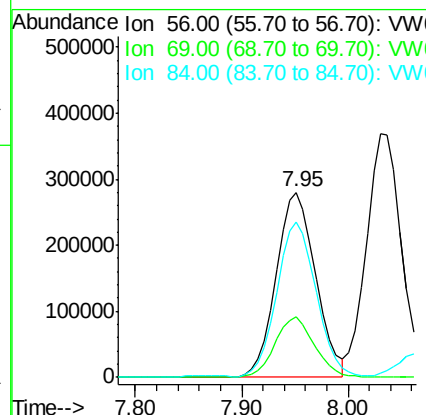
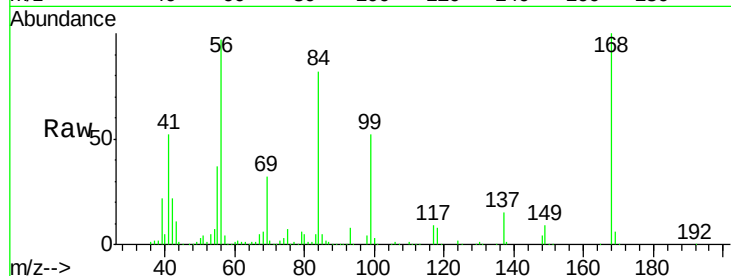
ClientSampled :

VSTDICCC050

Tot Ion	56	Resp	717775
Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.0	39.0
84	83.2	66.6	99.8

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#32

1,1,1-Trichloroethane

Concen: 54.260 ug/l

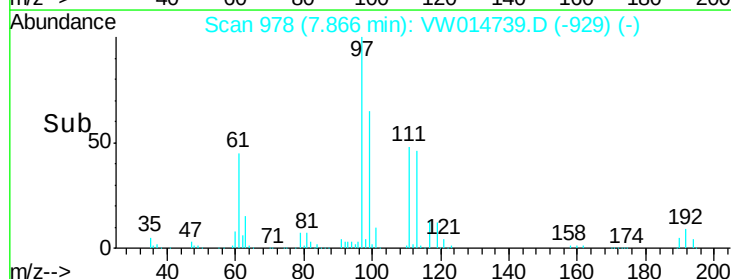
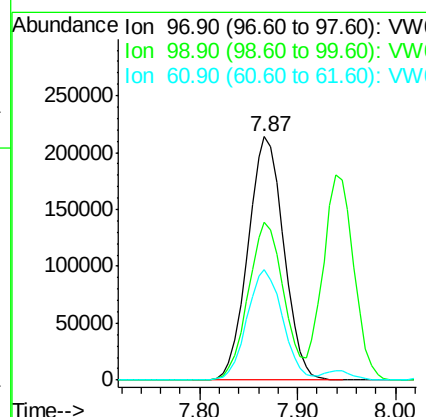
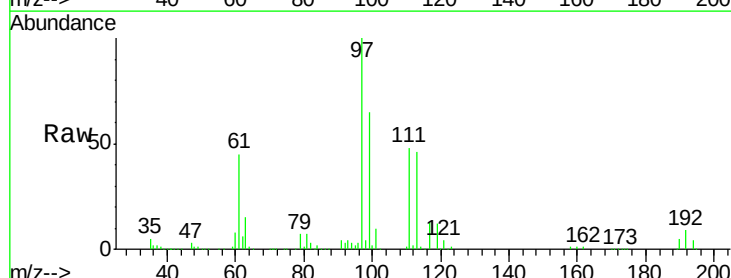
RT: 7.87 min Scan# 978

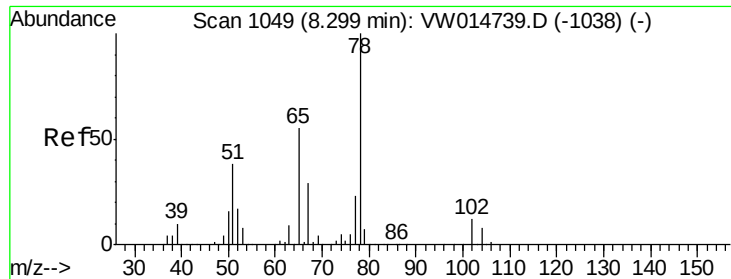
Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion	97	Resp	541760
Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	45.3	36.2	54.4





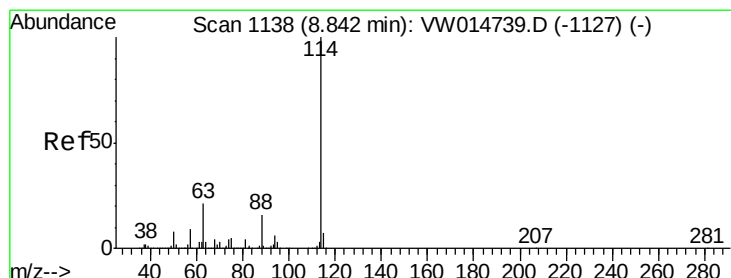
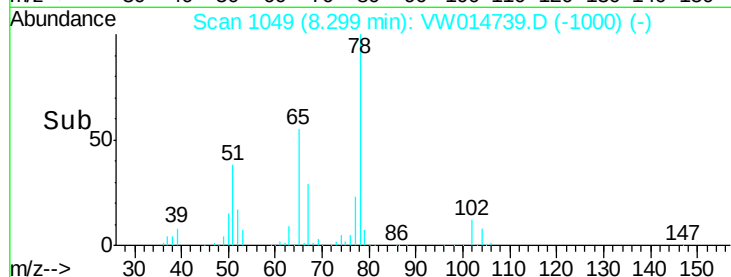
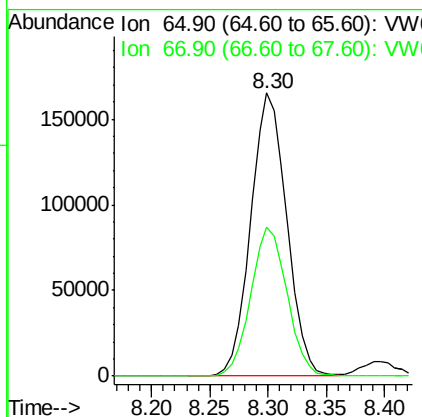
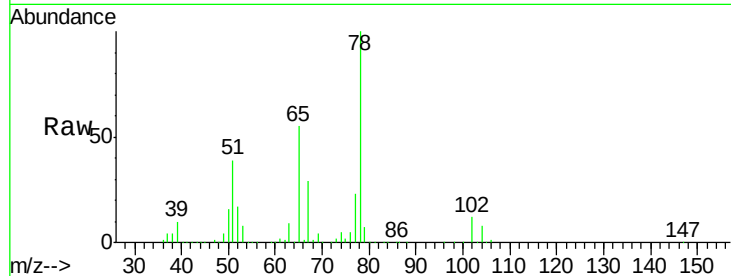
#33
 1,2-Dichloroethane-d4
 Concen: 55.161 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	356703		
67	53.0	0.0	106.0	

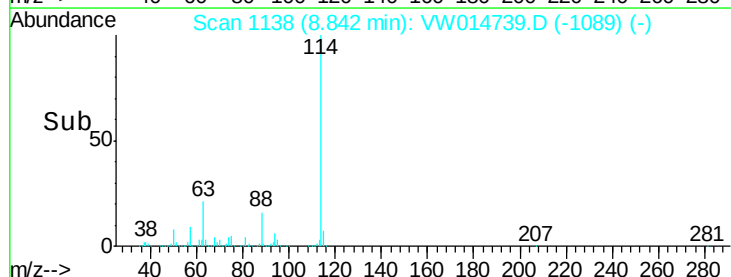
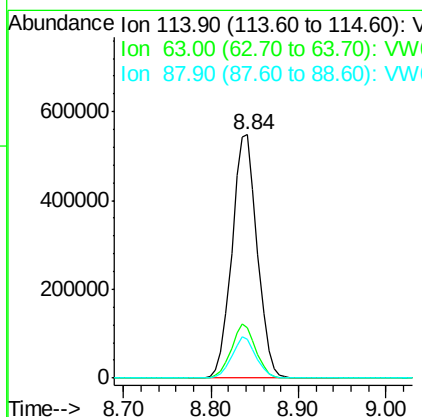
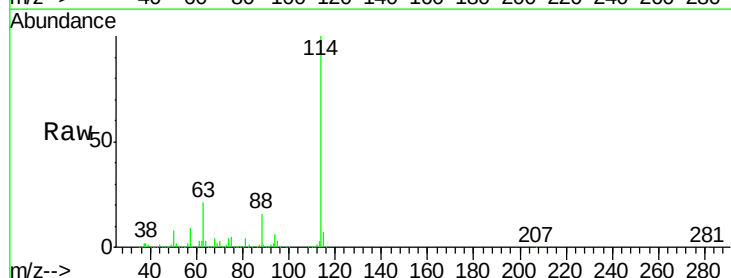
Manual Integrations
 APPROVED

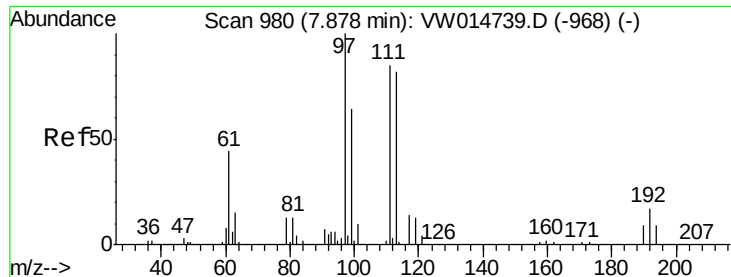
MMDadoda
 1/27/2020 12:04:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1098749		
63	20.6	0.0	41.2	
88	16.1	0.0	32.2	





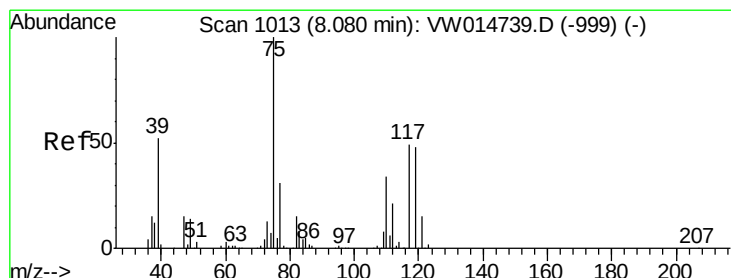
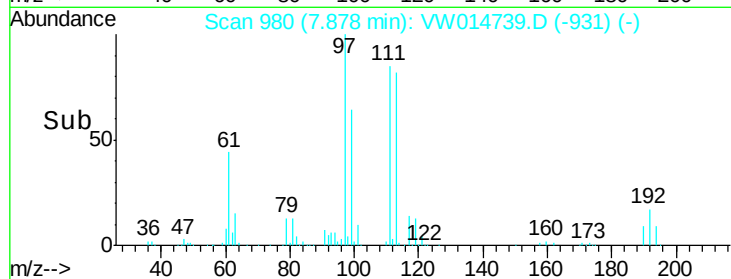
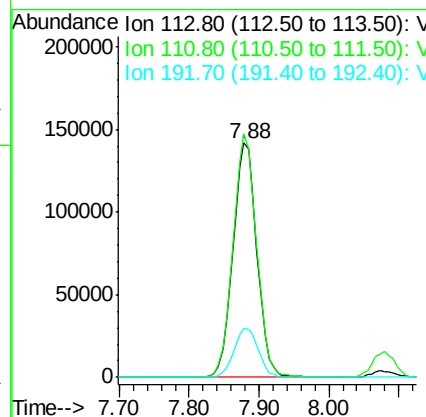
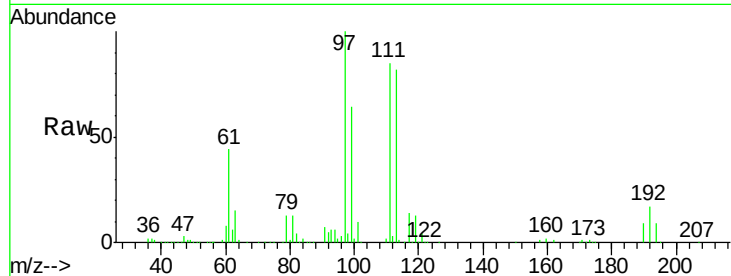
#35
 Dibromofluoromethane
 Concen: 52.886 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	335190		
111	102.7	82.2	123.2	
192	21.3	17.0	25.6	

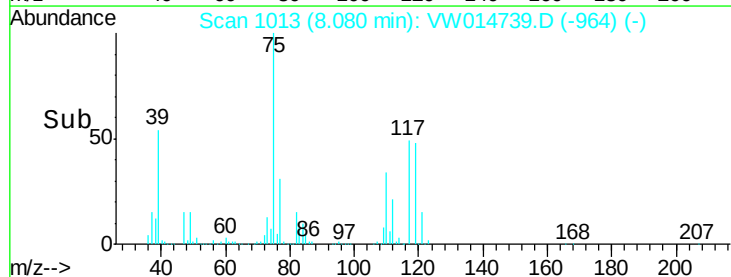
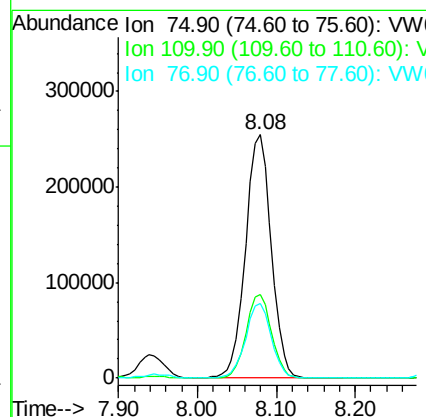
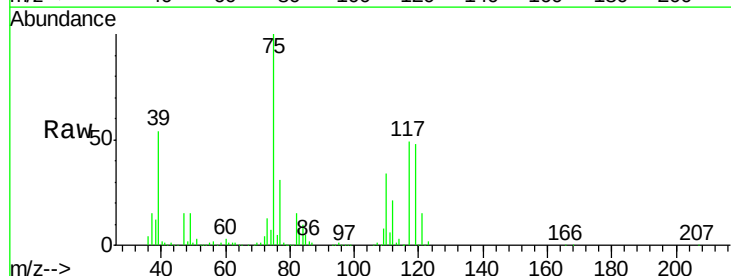
Manual Integrations
 APPROVED

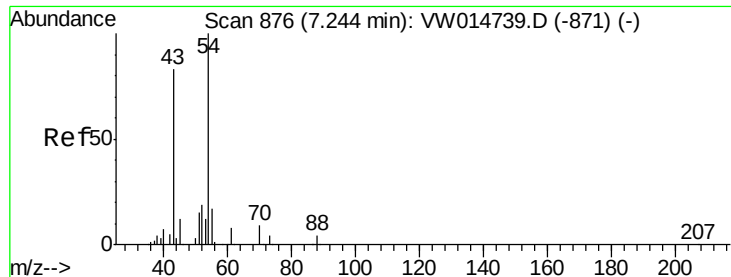
MMDadoda
 1/27/2020 12:04:43 PM



#36
 1,1-Dichloropropene
 Concen: 53.802 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	578375		
110	34.1	17.1	51.2	
77	31.0	24.8	37.2	





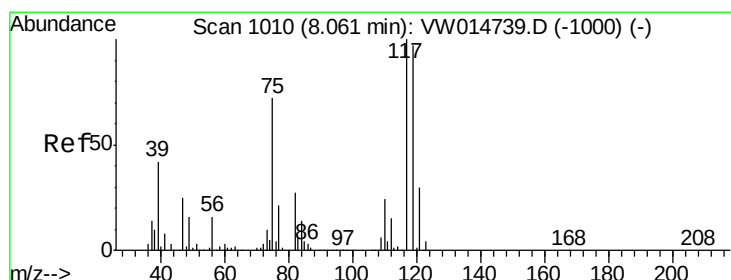
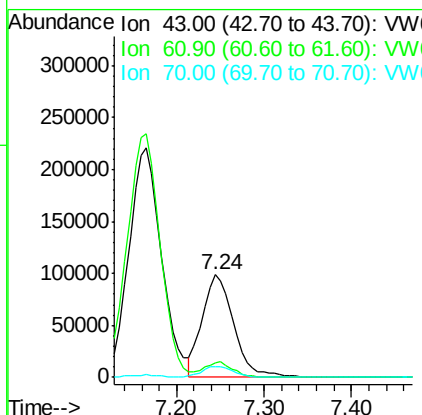
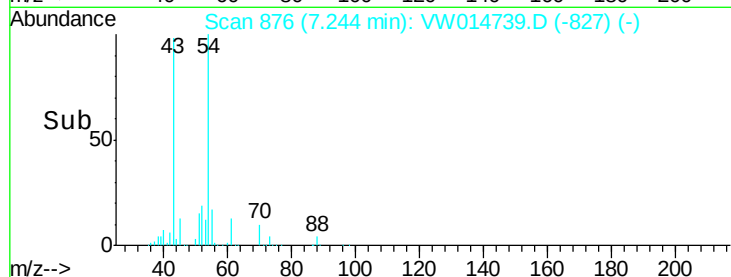
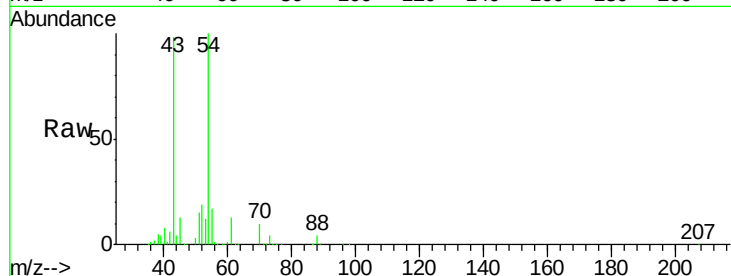
#37
Ethyl Acetate
Concen: 51.725 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.6	8.5	12.7

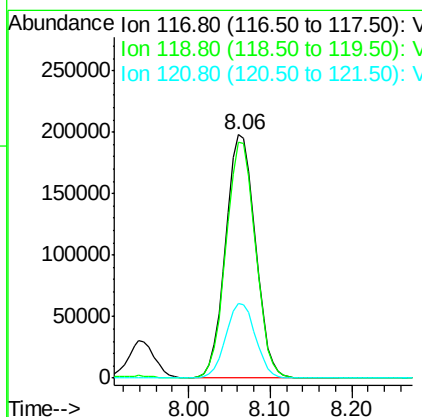
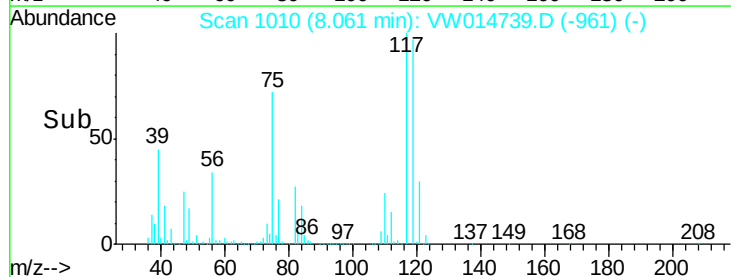
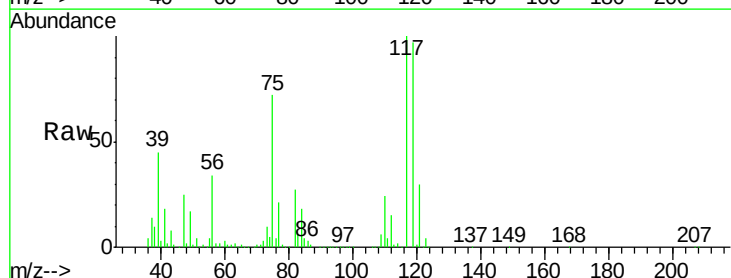
Manual Integrations
APPROVED

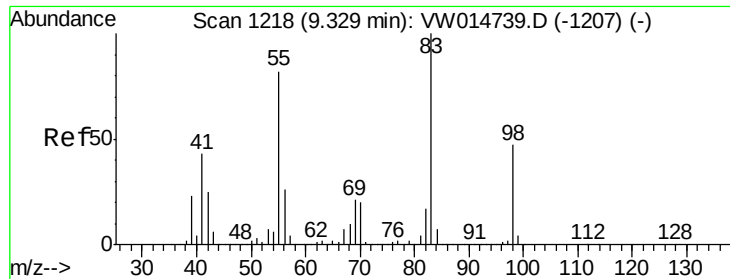
MMDadoda
1/27/2020 12:04:43 PM



#38
Carbon Tetrachloride
Concen: 53.493 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	30.4	24.3	36.5





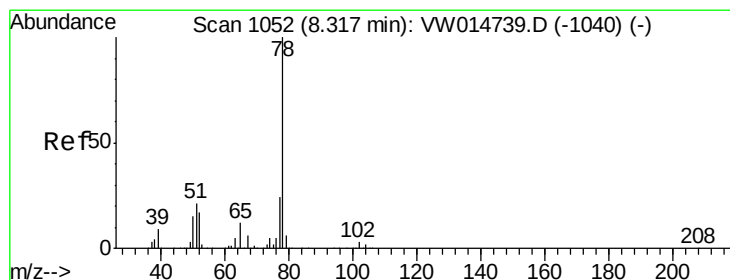
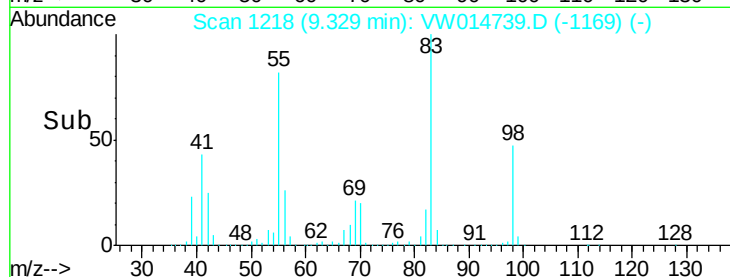
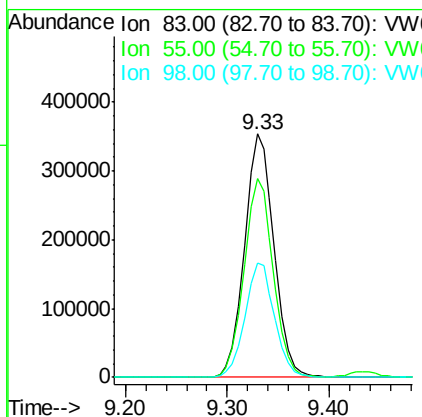
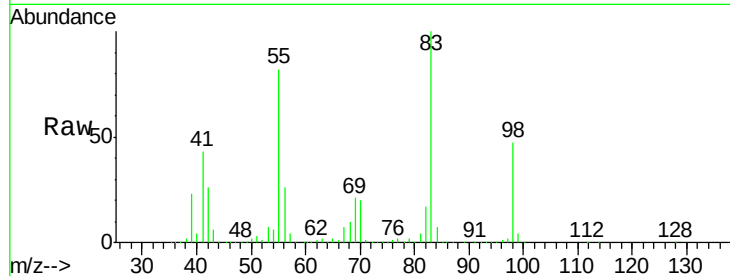
#39
Methylvlcyclohexane
Concen: 51.789 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	65.2	97.8
98	47.0	37.6	56.4

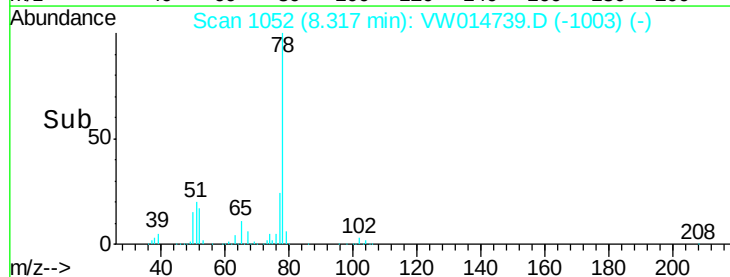
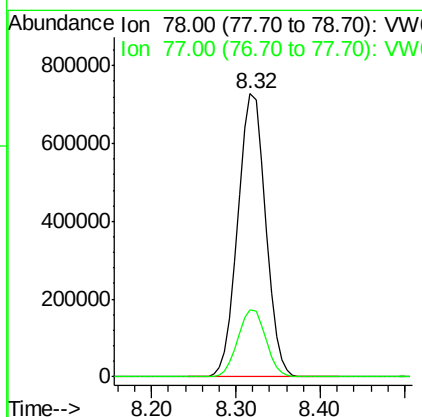
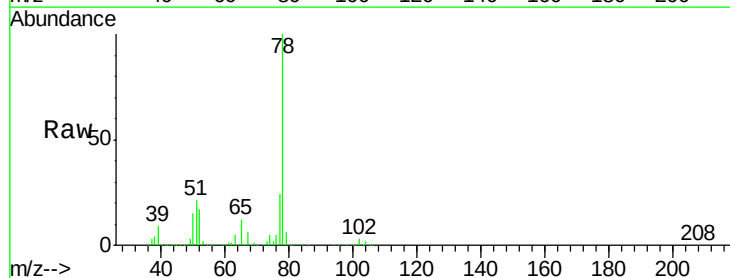
Manual Integrations
APPROVED

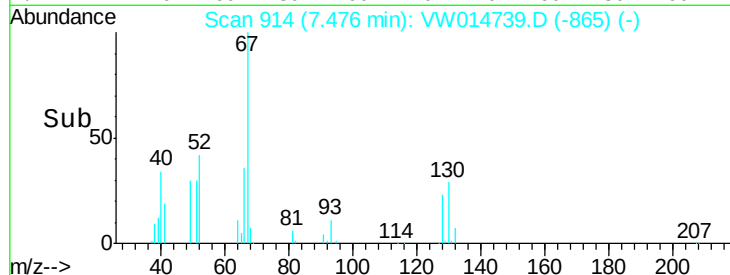
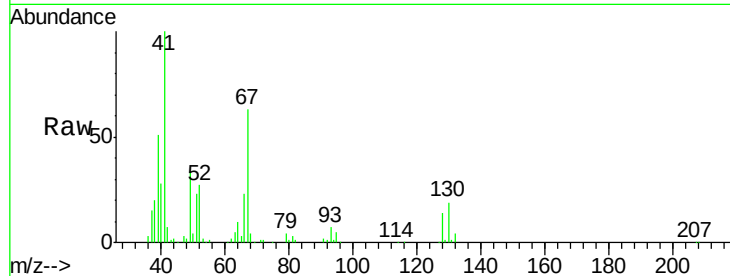
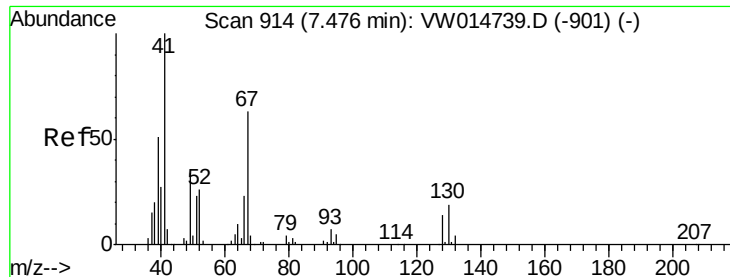
MMDadoda
1/27/2020 12:04:43 PM



#40
Benzene
Concen: 53.179 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

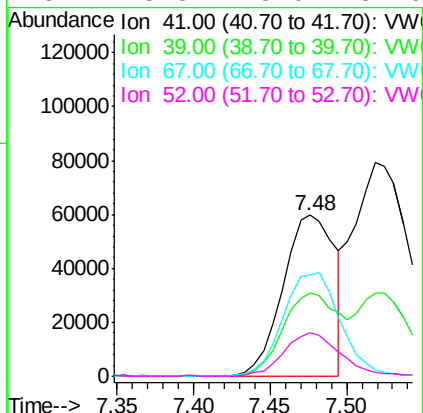
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41
Methacrylonitrile
Concen: 52.927 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

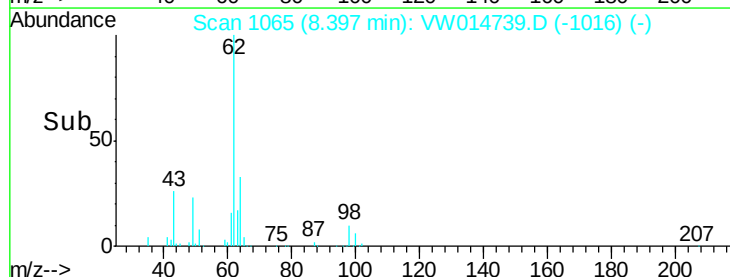
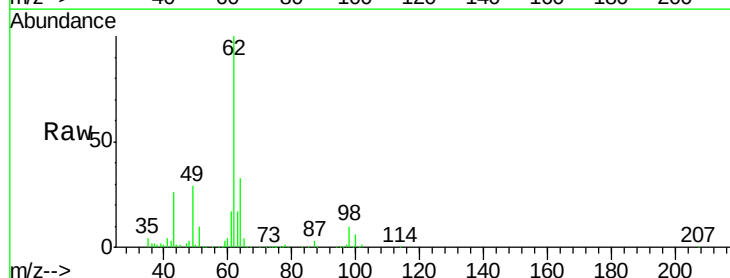
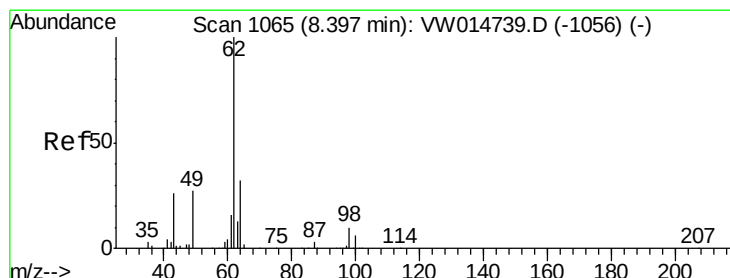
Tot Ion	41	Resp	141168
Ion Ratio	Lower	Upper	
41	100		
39	56.6	45.3	67.9
67	71.2	57.0	85.4
52	28.8	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

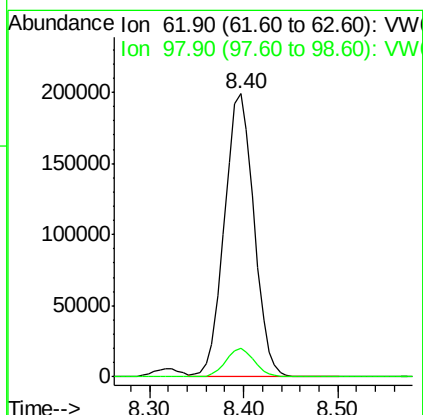
Manual Integrations
APPROVED

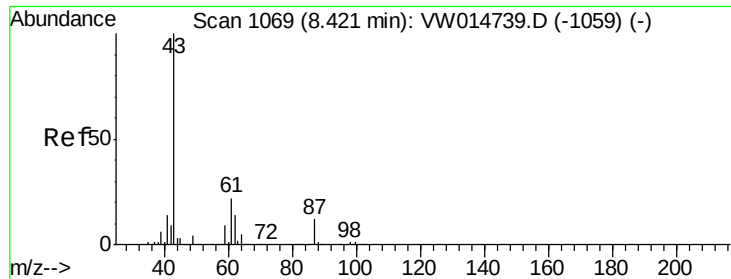
MMDadoda
1/27/2020 12:04:43 PM



#42
1,2-Dichloroethane
Concen: 54.743 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	62	Resp	433151
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.6





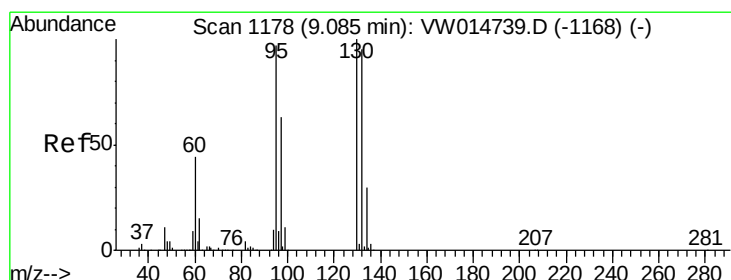
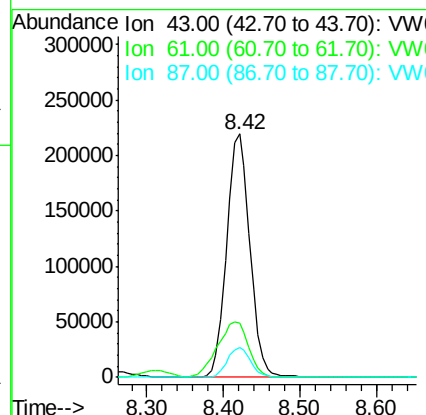
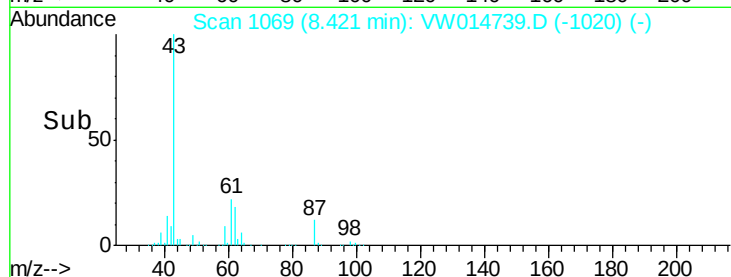
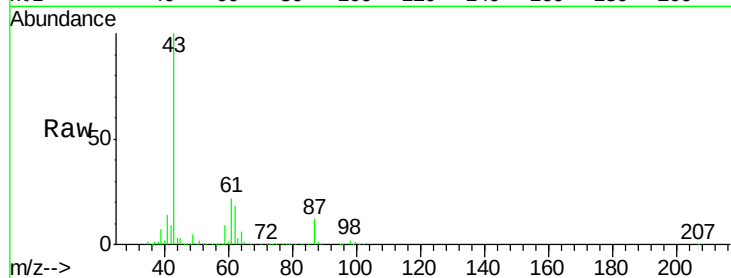
#43
Isopropyl Acetate
Concen: 52.853 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.4	36.6
87	12.2	9.8	14.6

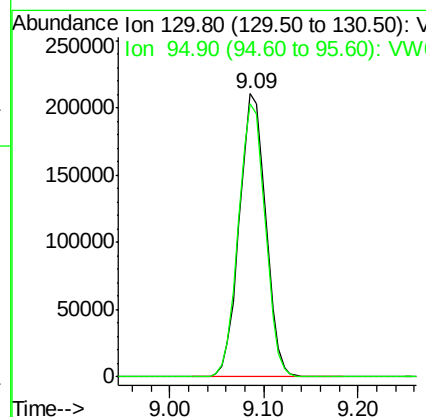
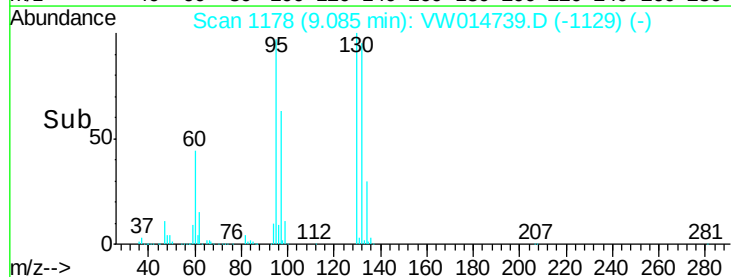
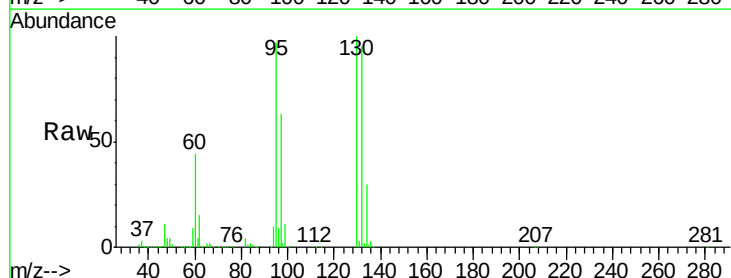
Manual Integrations
APPROVED

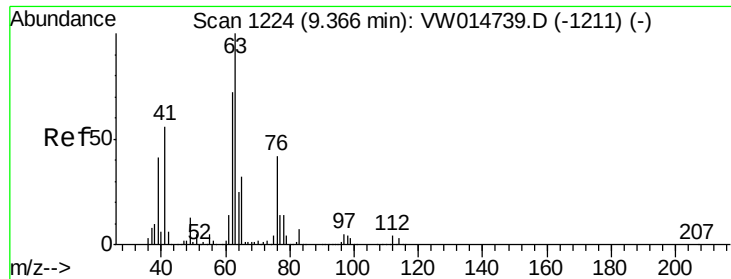
MMDadoda
1/27/2020 12:04:43 PM



#44
Trichloroethene
Concen: 50.595 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	193.2





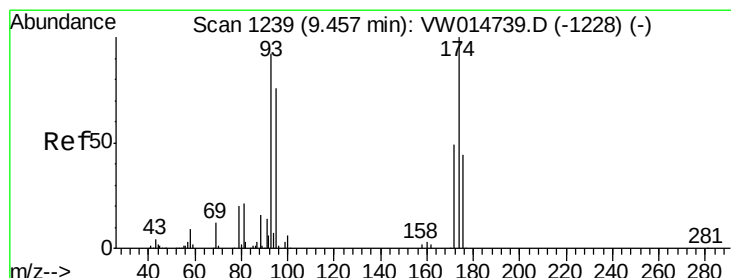
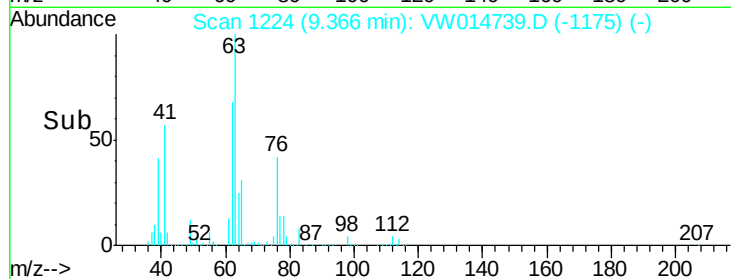
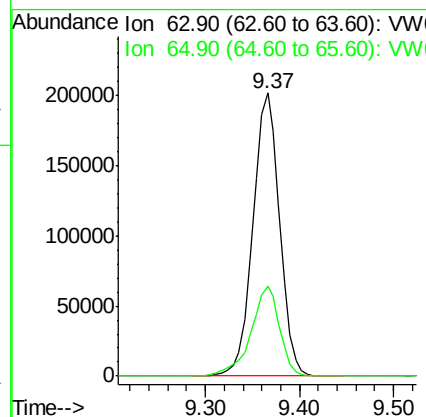
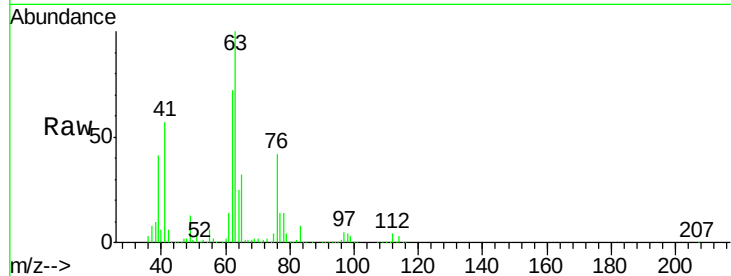
#45
 1,2-Dichloropropane
 Concen: 53.794 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.3	37.9

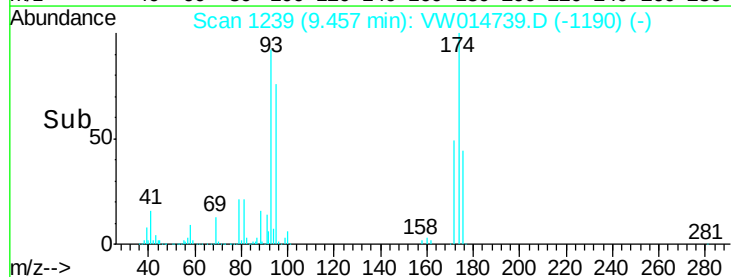
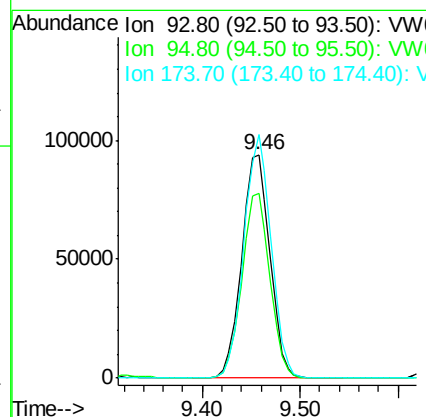
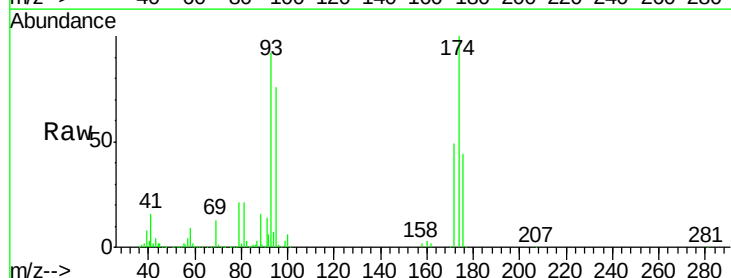
Manual Integrations
 APPROVED

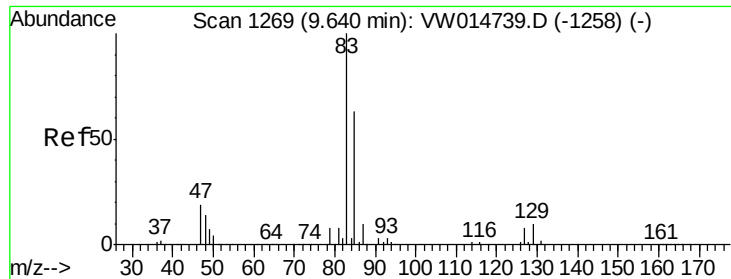
MMDadoda
 1/27/2020 12:04:43 PM



#46
 Dibromomethane
 Concen: 51.743 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.4	98.2
174	105.2	84.2	126.2





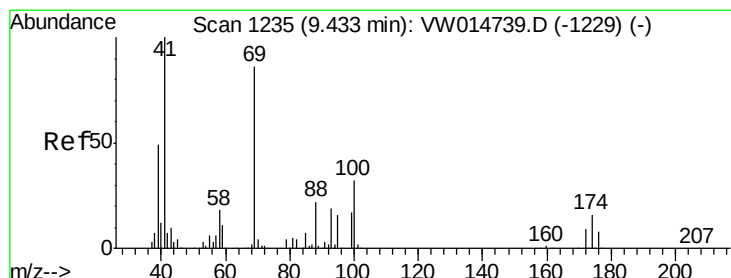
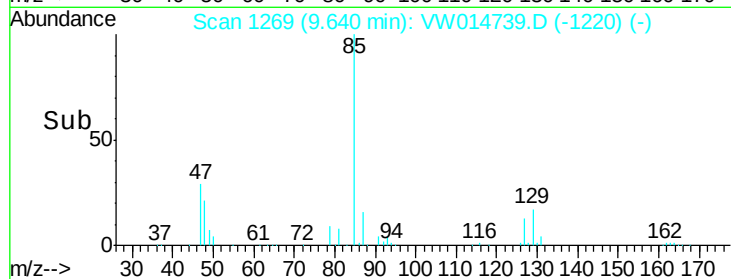
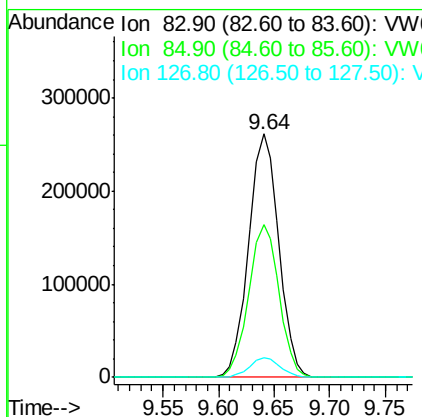
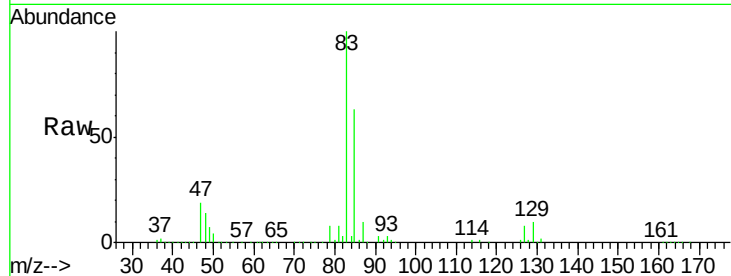
#47
Bromodichloromethane
Concen: 54.345 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	493999		
85	62.6		50.1	75.1
127	8.1		6.5	9.7

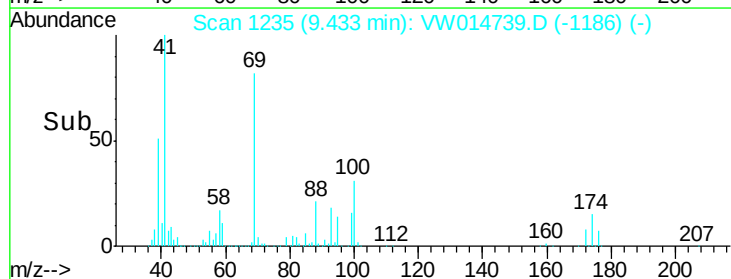
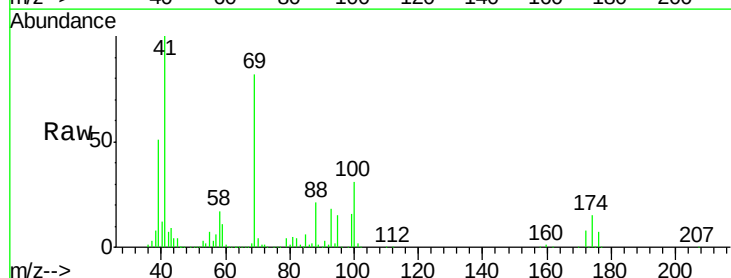
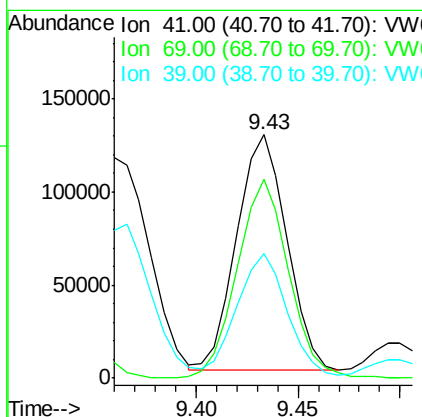
Manual Integrations
APPROVED

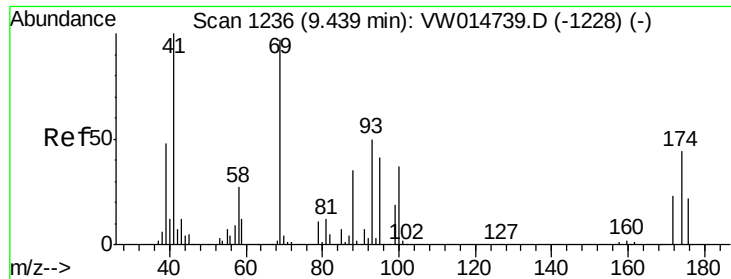
MMDadoda
1/27/2020 12:04:43 PM



#48
Methyl methacrylate
Concen: 51.285 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	215532		
69	87.0		69.6	104.4
39	50.3		40.2	60.4





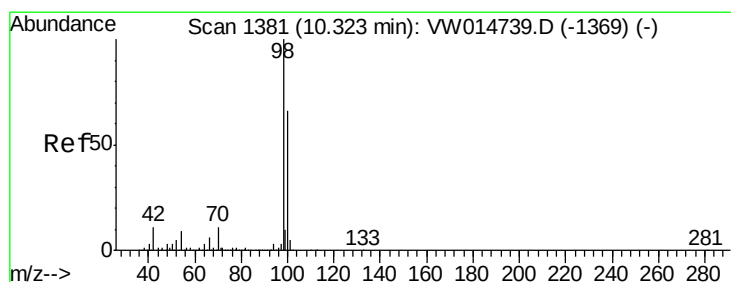
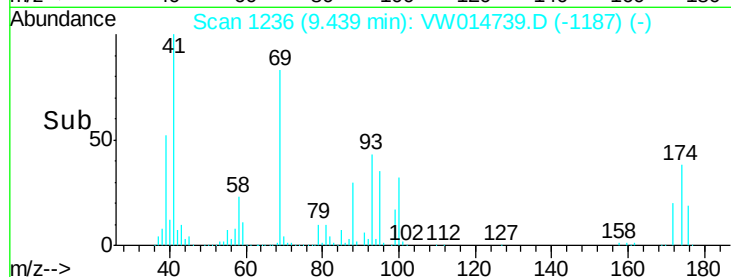
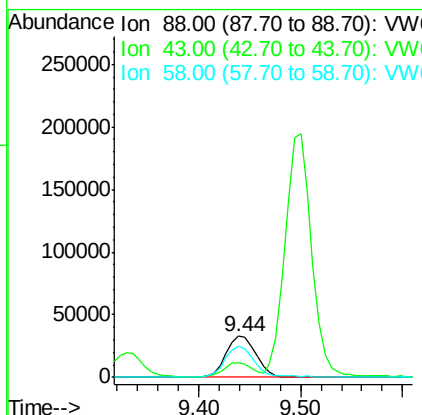
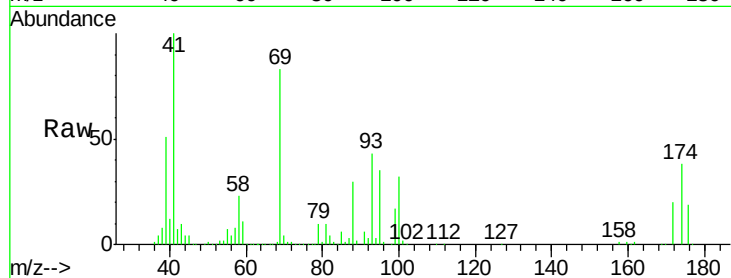
#49
1,4-Dioxane
Concen: 1017.901 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	67702
Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.1	40.7
58	73.4	58.7	88.1

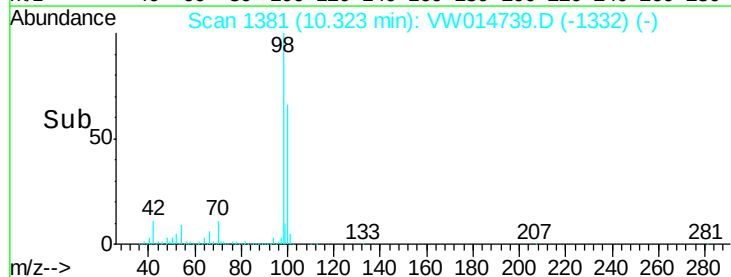
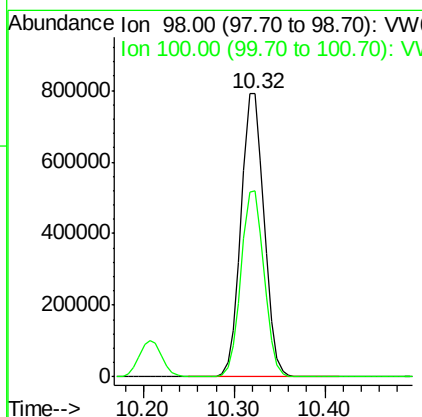
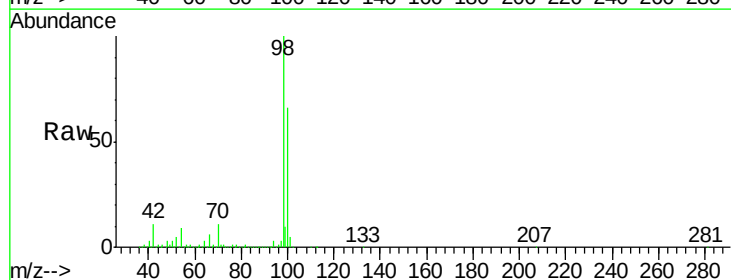
Manual Integrations
APPROVED

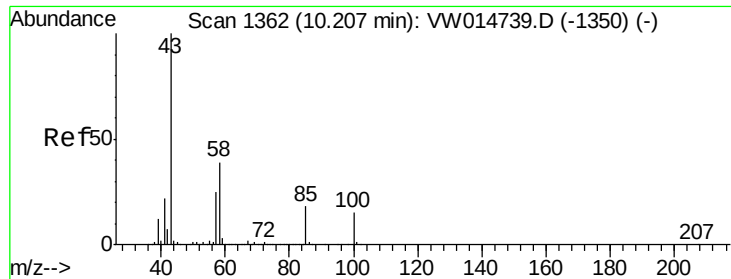
MMDadoda
1/27/2020 12:04:43 PM



#50
Toluene-d8
Concen: 52.992 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	98	Resp	1404852
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





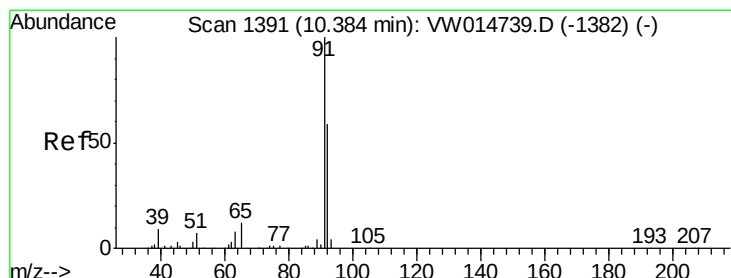
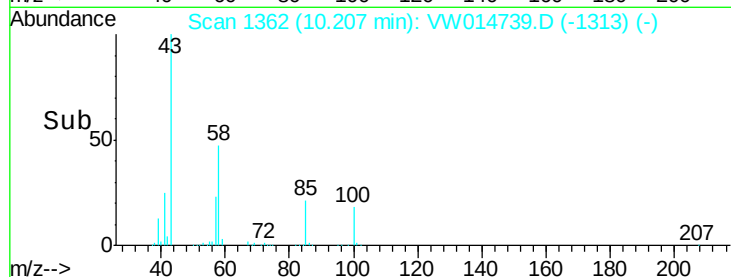
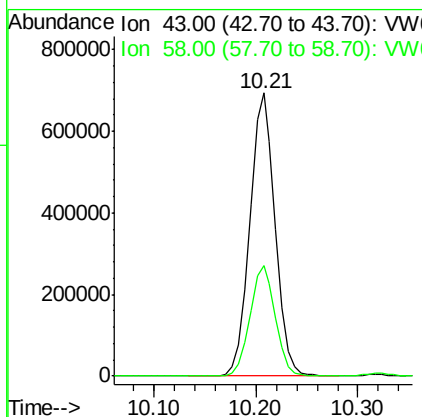
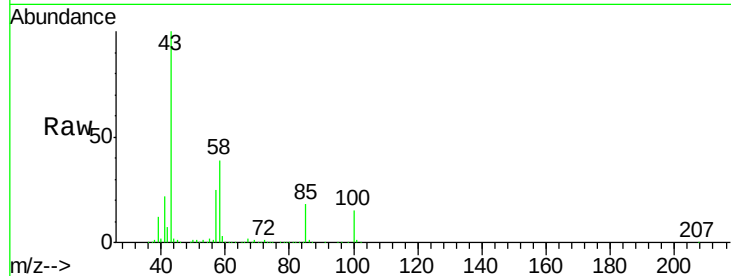
#51
4-Methyl-2-Pentanone
Concen: 265.901 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1195465
Ion Ratio Lower Upper
43 100
58 39.2 31.4 47.0

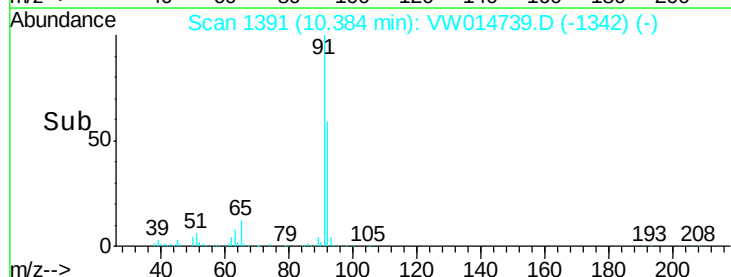
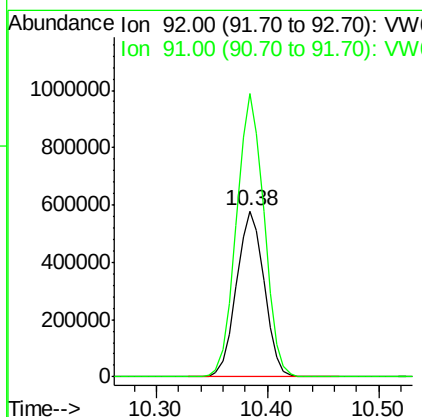
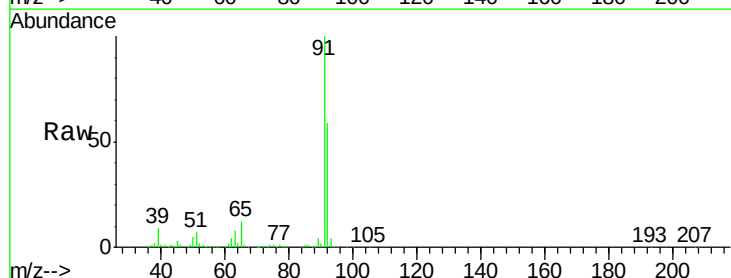
Manual Integrations
APPROVED

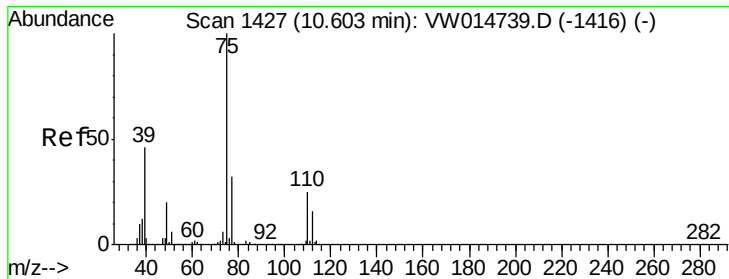
MMDadoda
1/27/2020 12:04:43 PM



#52
Toluene
Concen: 52.362 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion: 92 Resp: 995357
Ion Ratio Lower Upper
92 100
91 169.8 135.8 203.8





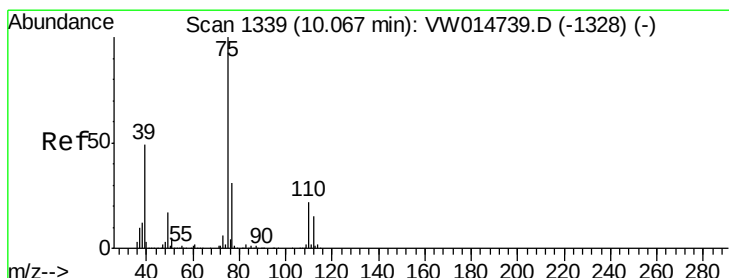
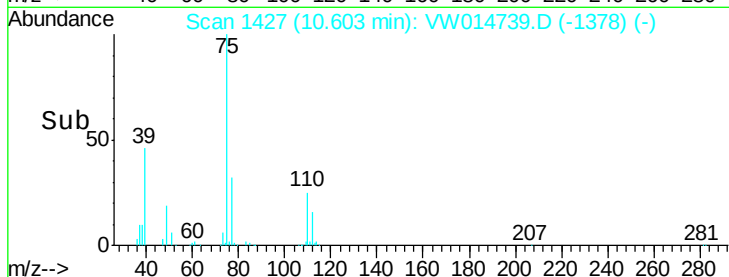
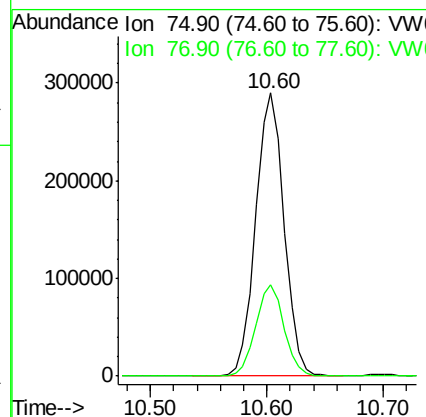
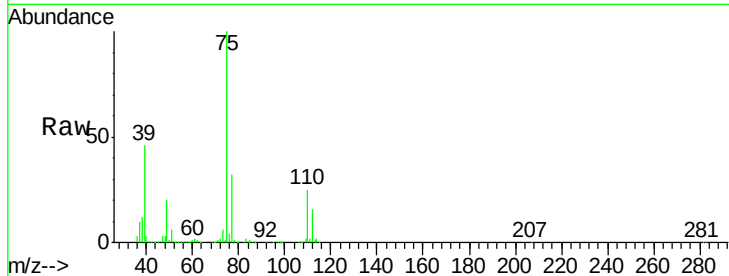
#53
 t-1,3-Dichloropropene
 Concen: 52.946 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

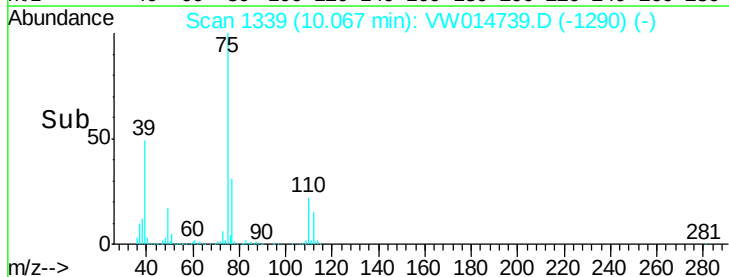
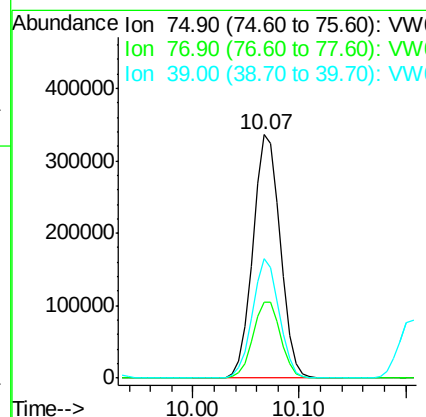
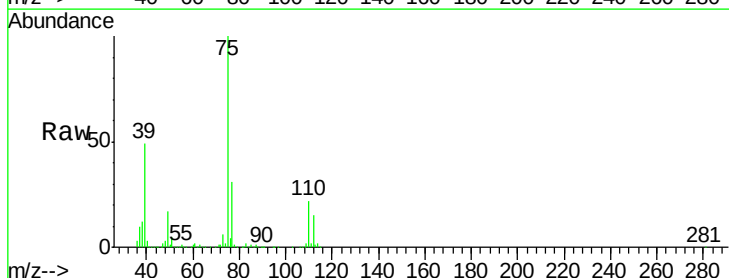
Manual Integrations
 APPROVED

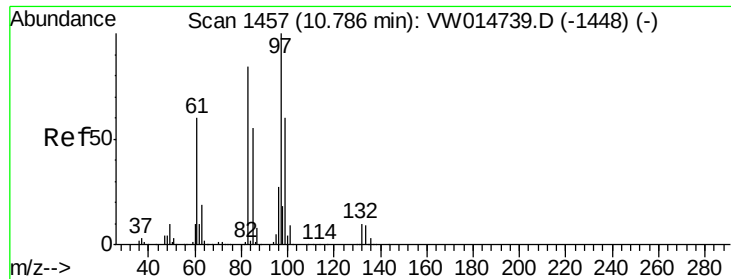
MMDadoda
 1/27/2020 12:04:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.250 ug/l
 RT: 10.07 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	48.8	39.0	58.6





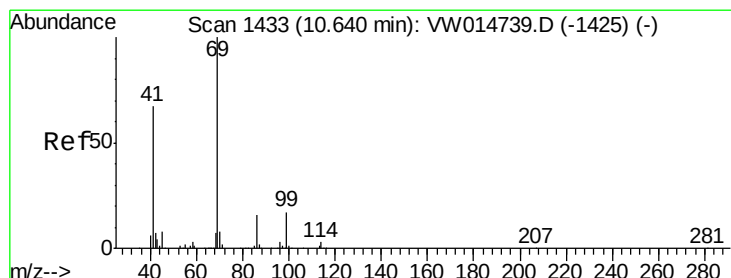
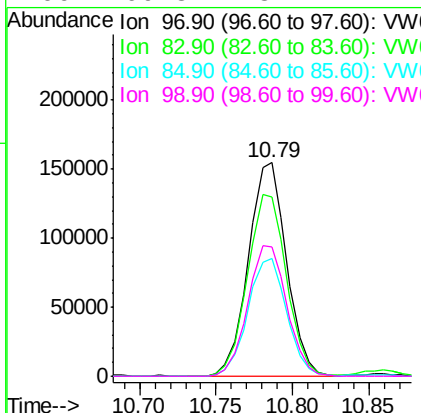
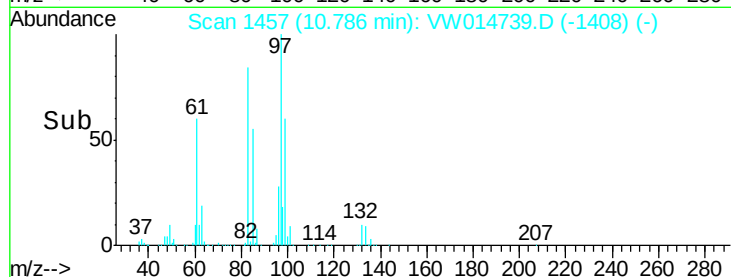
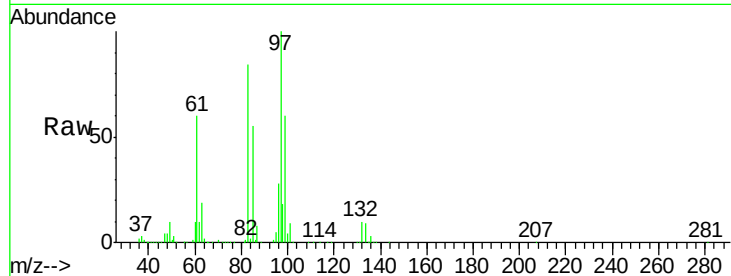
#55
 1,1,2-Trichloroethane
 Concen: 50.788 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		268494		
83	83.9	67.1	100.7		
85	55.2	44.2	66.2		
99	60.3	48.2	72.4		

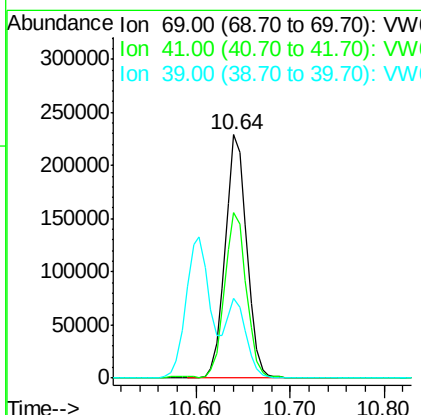
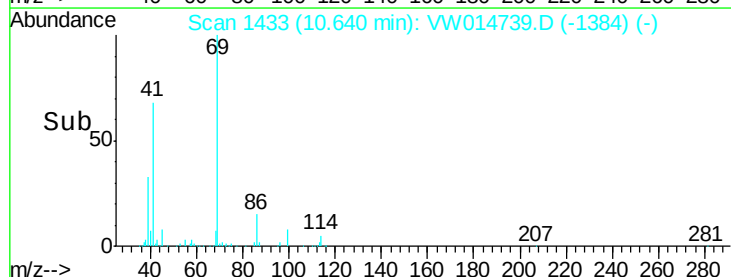
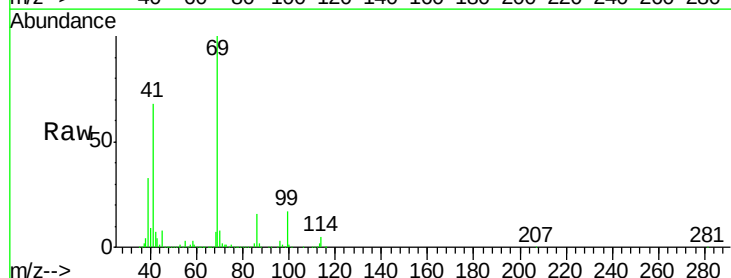
Manual Integrations
 APPROVED

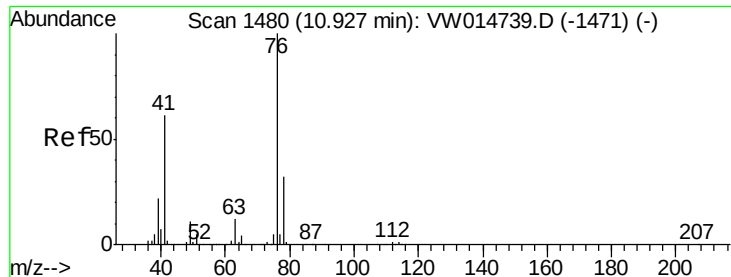
MMDadoda
 1/27/2020 12:04:43 PM



#56
 Ethyl methacrylate
 Concen: 53.208 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		363692		
41	68.0	54.4	81.6		
39	28.0	22.4	33.6		





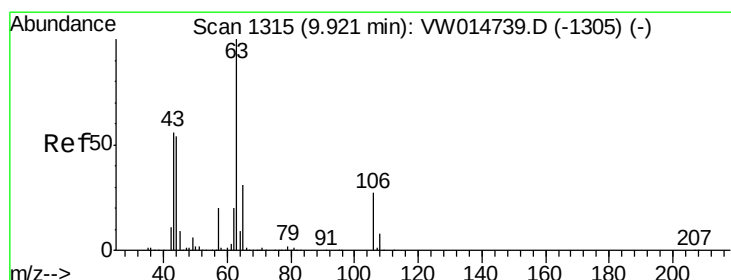
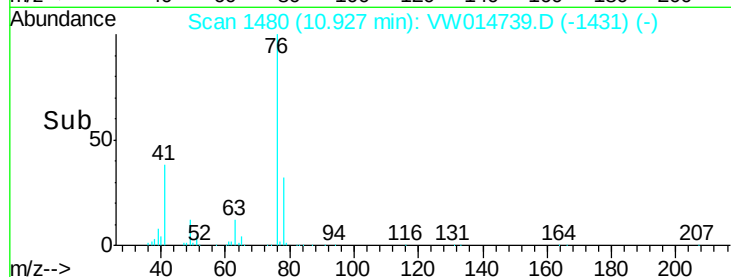
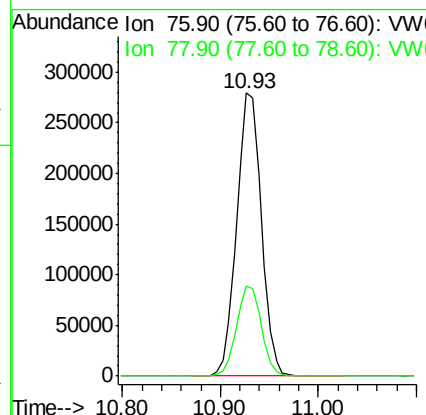
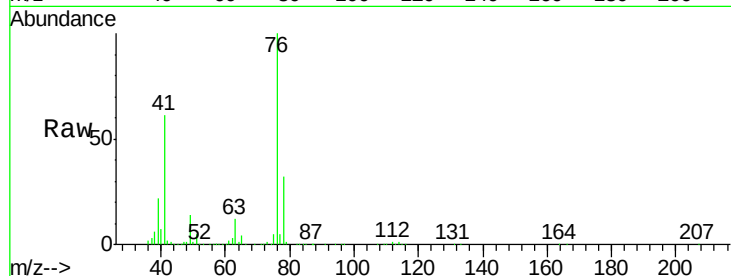
#57
 1,3-Dichloropropane
 Concen: 52.286 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 489082
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

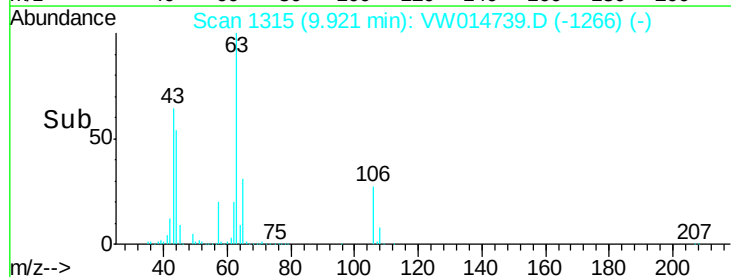
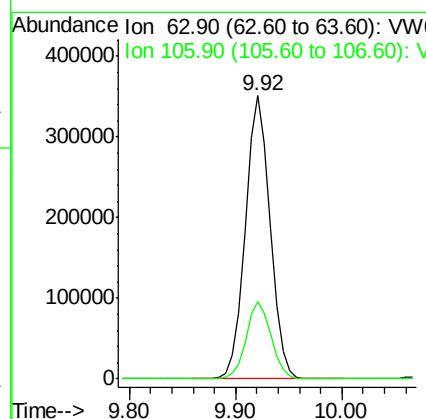
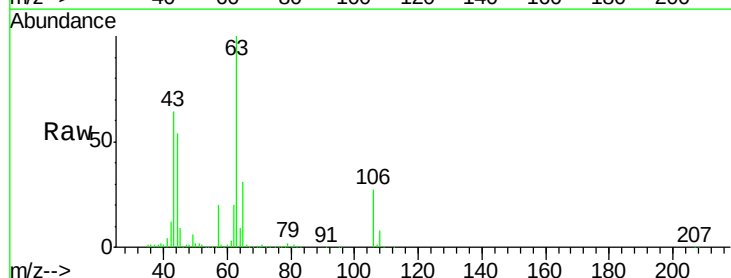
Manual Integrations
 APPROVED

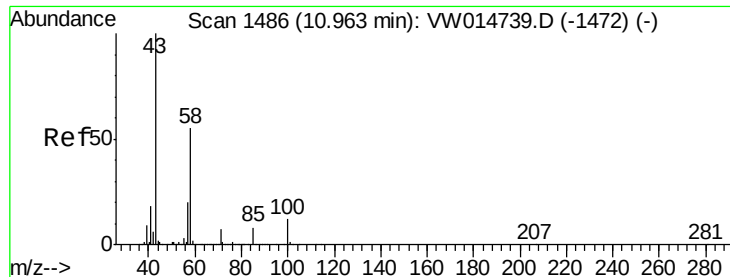
MMDadoda
 1/27/2020 12:04:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.955 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion: 63 Resp: 574280
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8





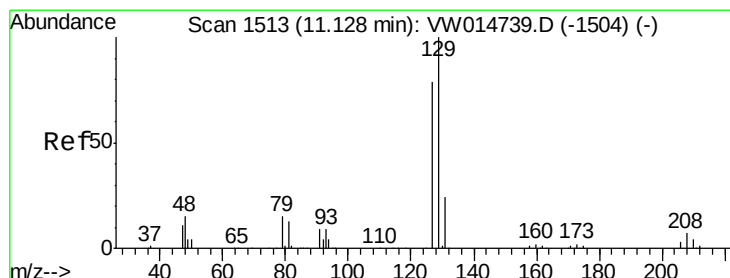
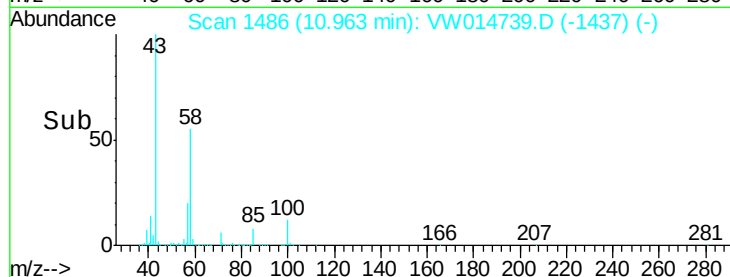
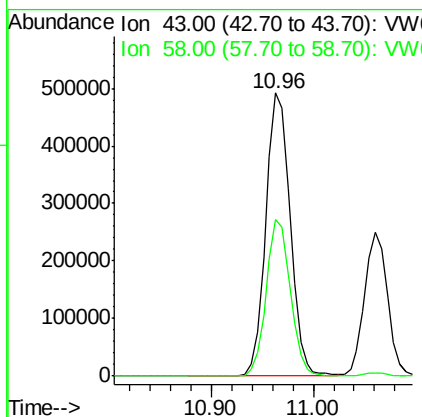
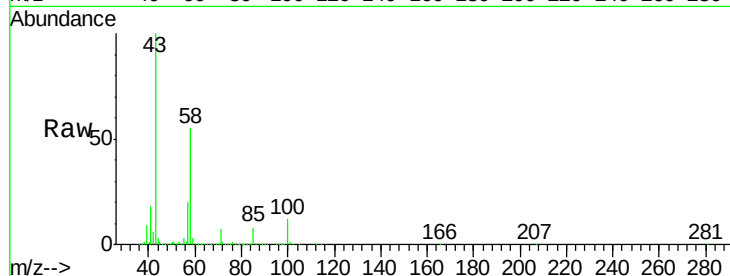
#59
2-Hexanone
Concen: 265.577 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 817713
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

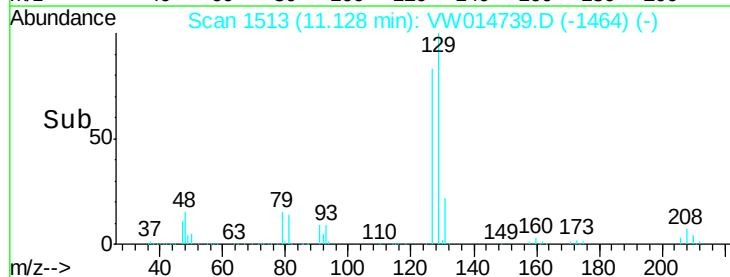
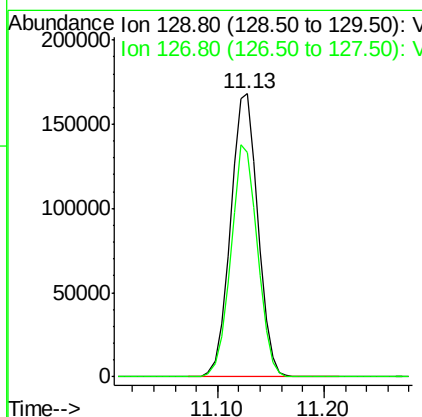
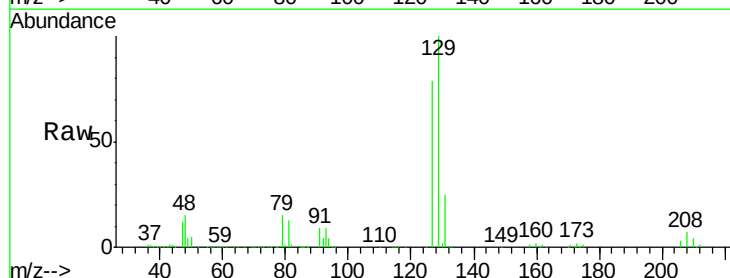
Manual Integrations
APPROVED

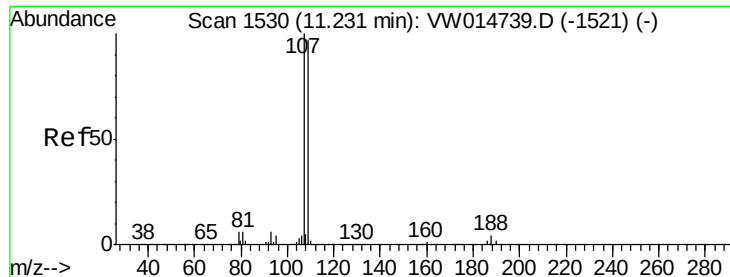
MMDadoda
1/27/2020 12:04:43 PM



#60
Dibromochloromethane
Concen: 50.807 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion:129 Resp: 303021
Ion Ratio Lower Upper
129 100
127 79.7 39.9 119.6





#61

1,2-Dibromoethane

Concen: 49.935 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 249121

Ion Ratio Lower Upper

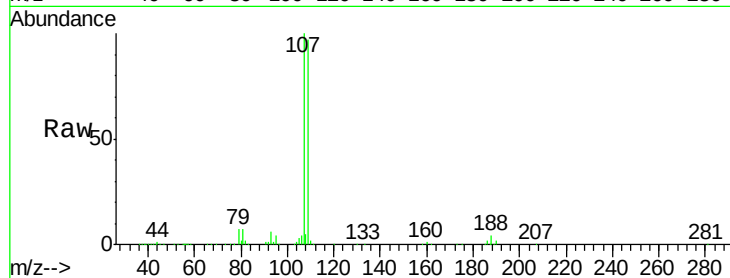
107 100

109 95.9 76.7 115.1

Manual Integrations
APPROVED

MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

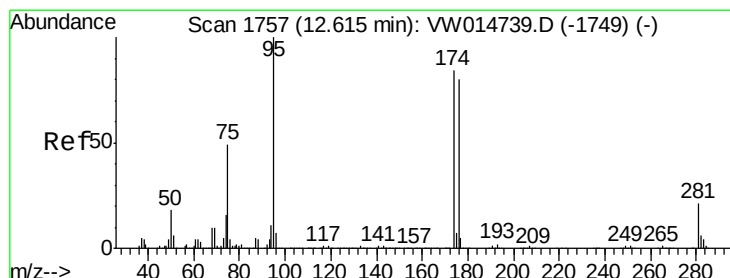
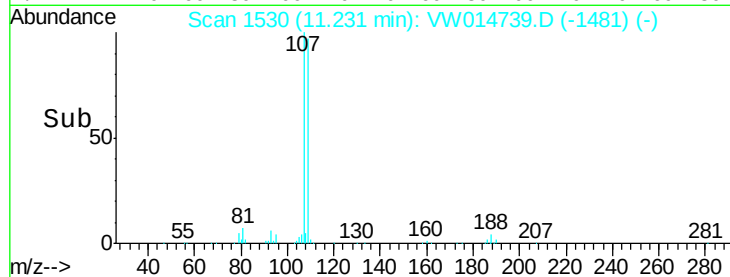
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.561 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

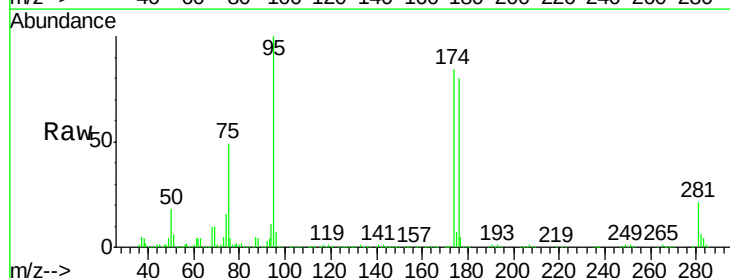
Tgt Ion: 95 Resp: 471552

Ion Ratio Lower Upper

95 100

174 81.5 0.0 163.0

176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

400000

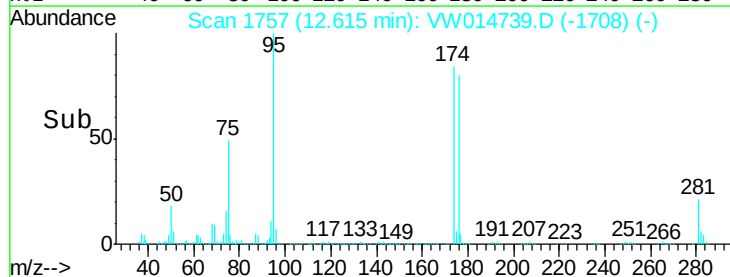
300000

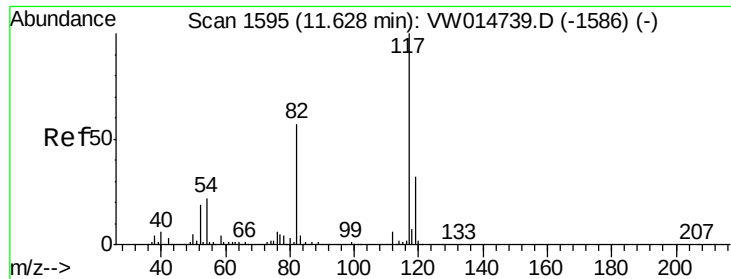
200000

100000

0

Time-->





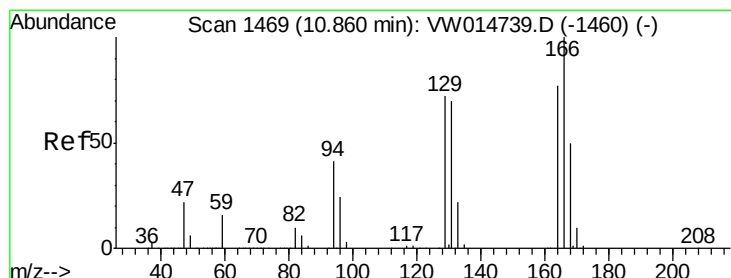
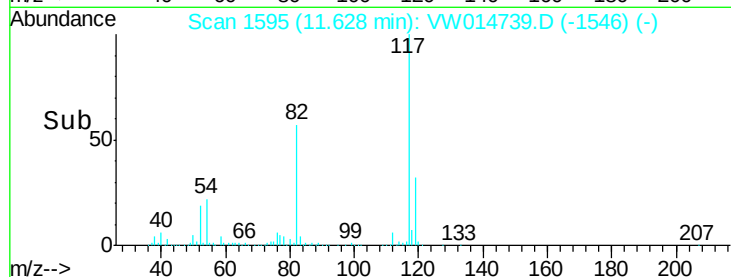
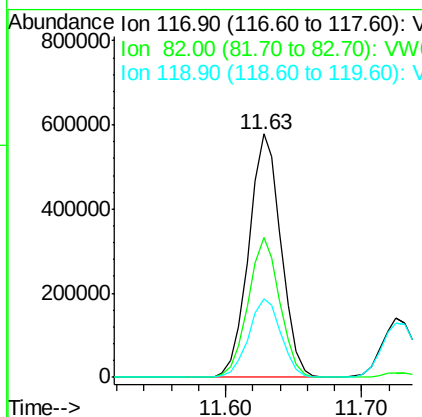
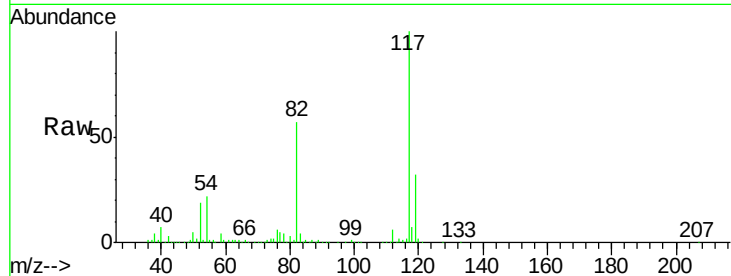
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	957323		
82	57.4		45.9	68.9
119	32.1		25.7	38.5

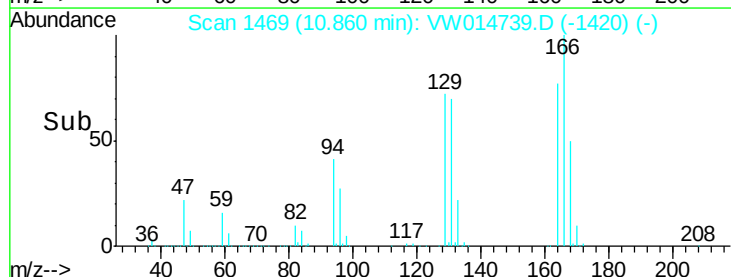
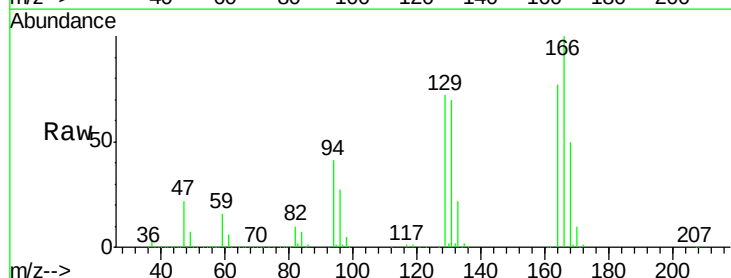
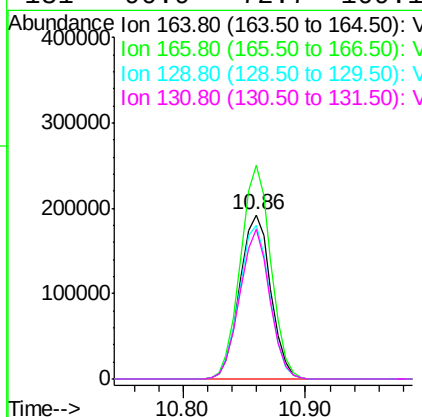
Manual Integrations
APPROVED

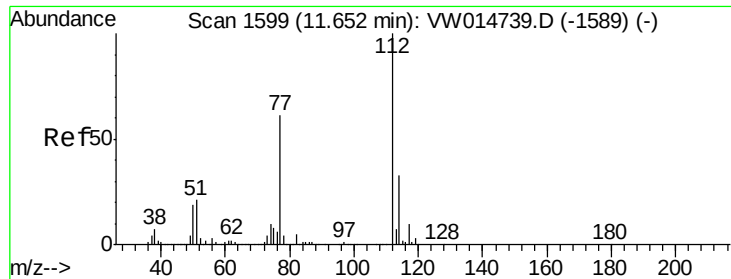
MMDadoda
1/27/2020 12:04:43 PM



#64
Tetrachloroethene
Concen: 48.758 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	337083		
166	130.0		104.0	156.0
129	93.7		75.0	112.4
131	90.9		72.7	109.1





#65

Chlorobenzene

Concen: 50.827 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 1000551

Ion Ratio Lower Upper

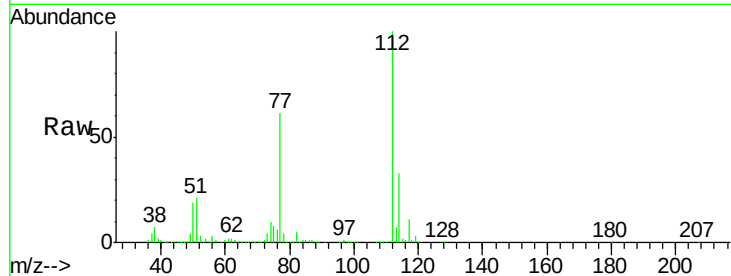
112 100

114 32.5 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.65

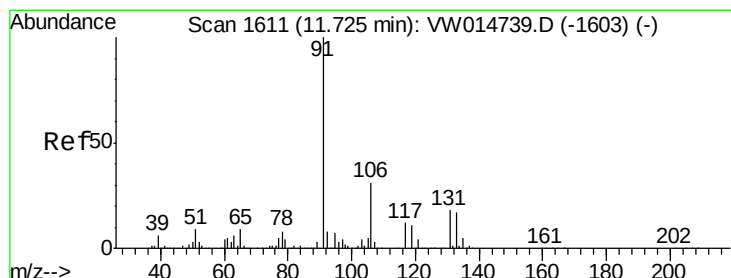
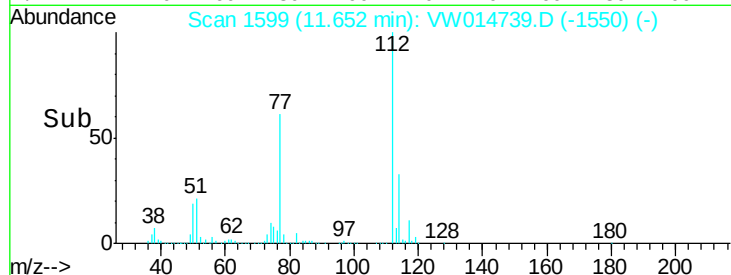
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.608 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

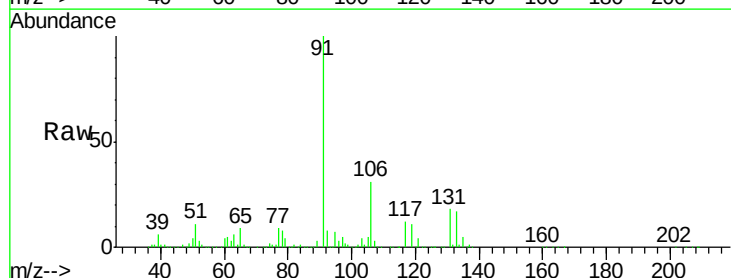
Tgt Ion:131 Resp: 341949

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 65.9 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

250000

200000

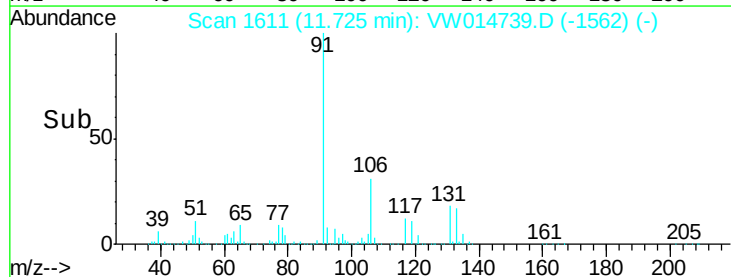
150000

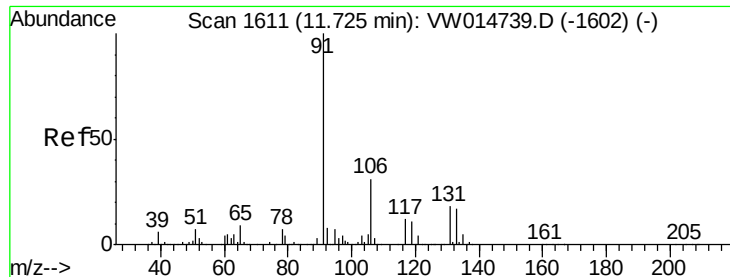
100000

50000

0

Time-->





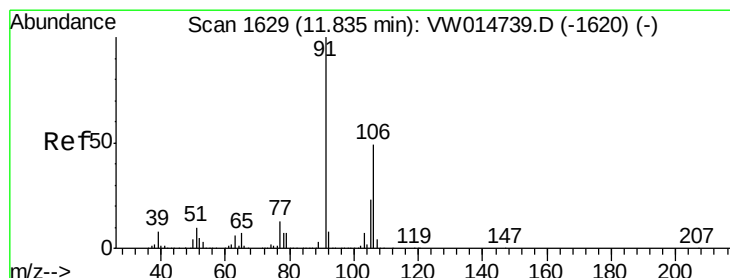
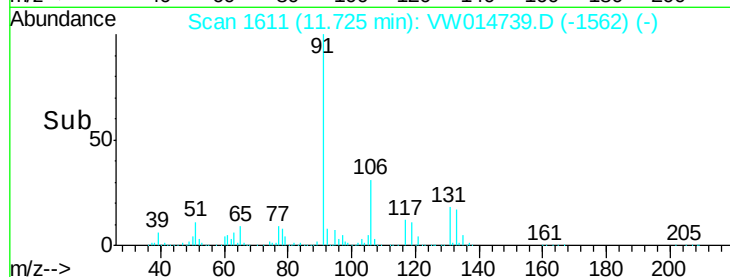
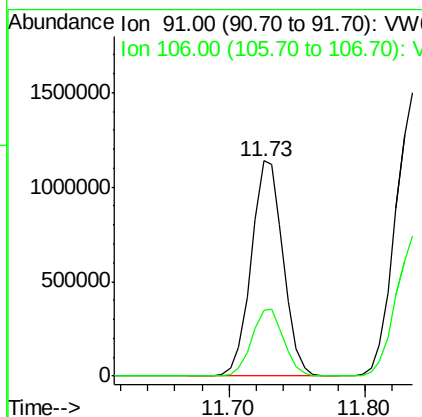
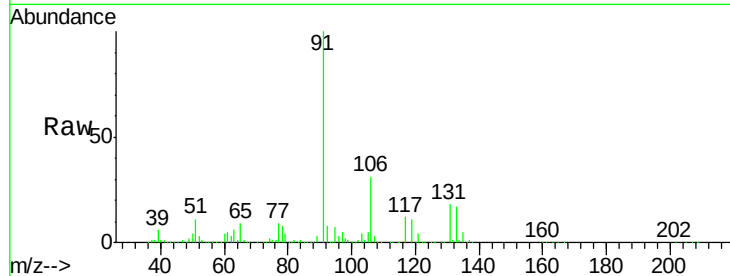
#67
Ethyl Benzene
Concen: 52.439 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1867463
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

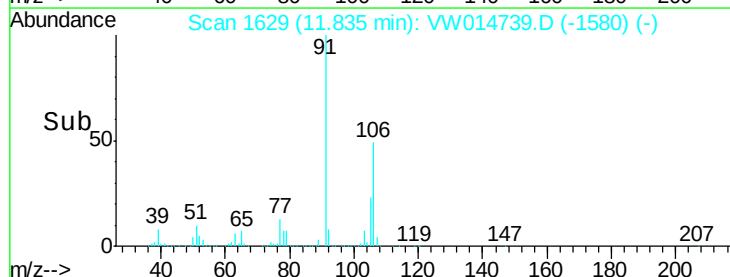
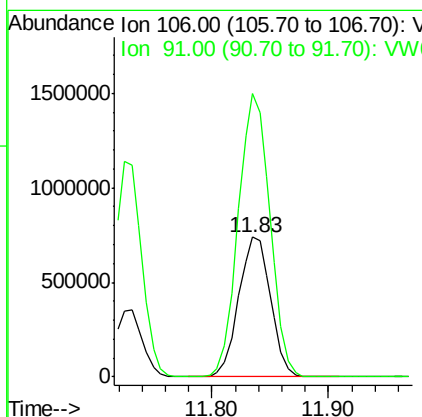
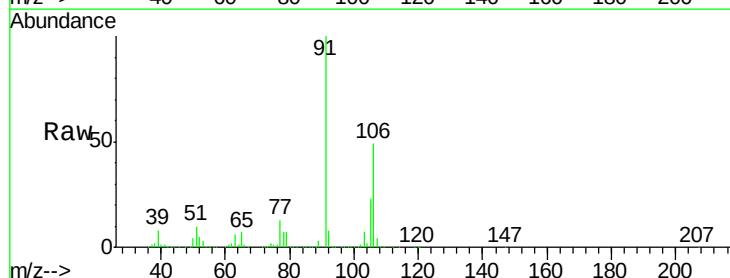
Manual Integrations
APPROVED

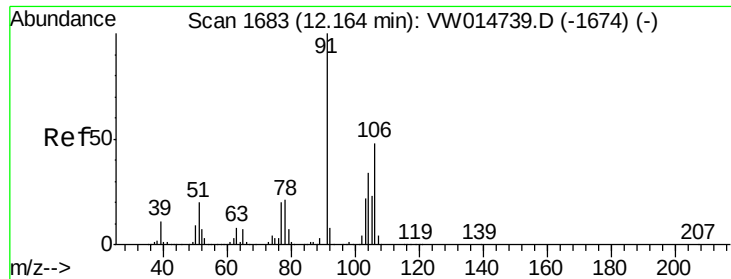
MMDadoda
1/27/2020 12:04:43 PM



#68
m/p-Xylenes
Concen: 103.532 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion: 106 Resp: 1407752
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.0





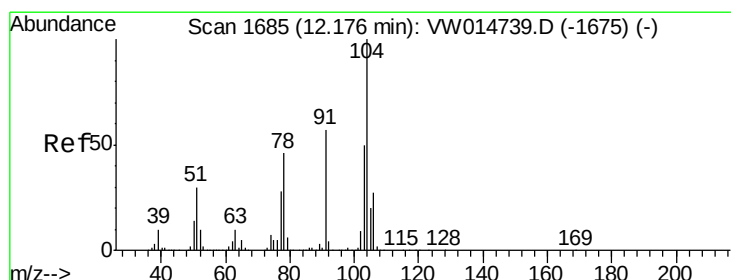
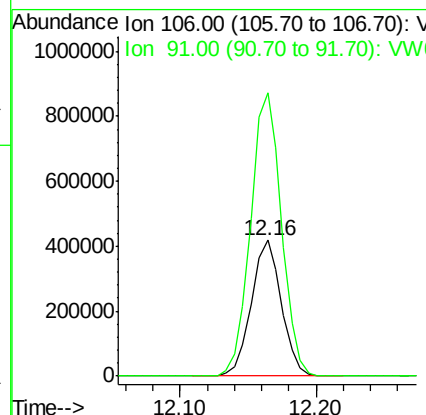
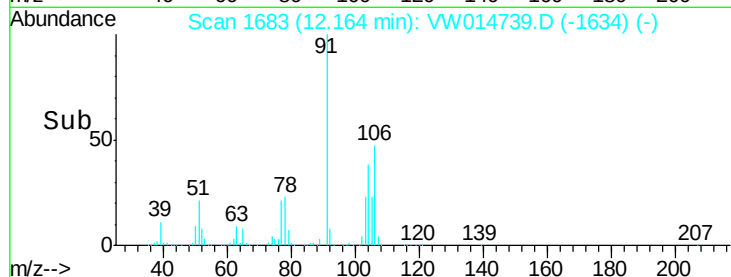
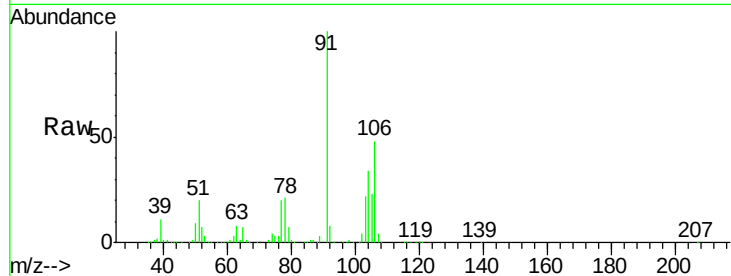
#69
o-Xylene
Concen: 51.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 646190
Ion Ratio Lower Upper
106 100
91 214.2 107.1 321.3

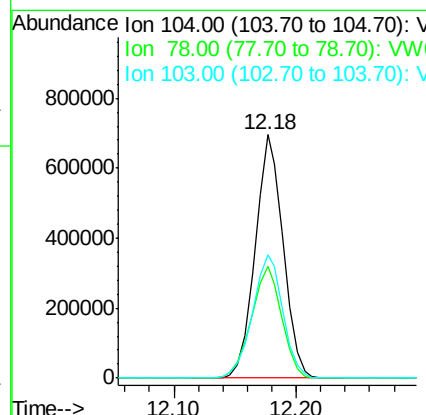
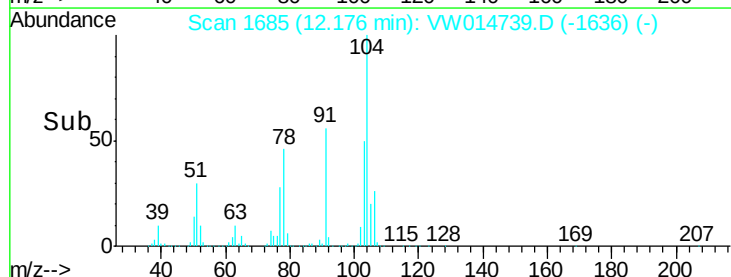
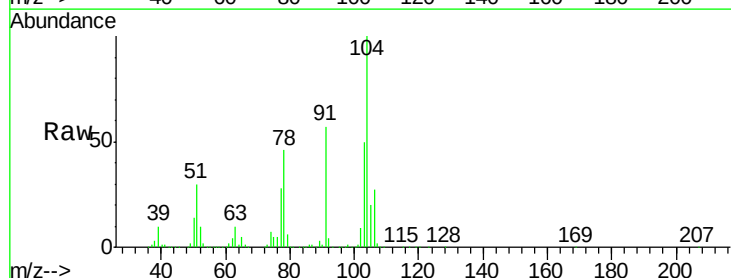
Manual Integrations
APPROVED

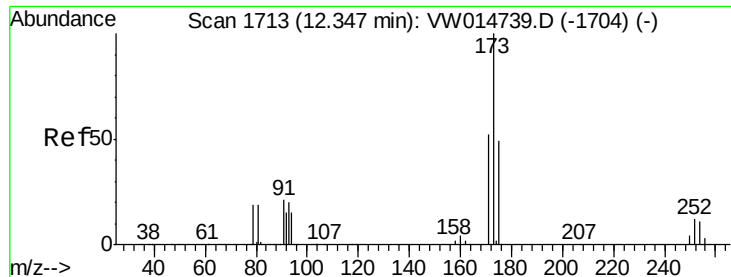
MMDadoda
1/27/2020 12:04:43 PM



#70
Styrene
Concen: 52.266 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion:104 Resp: 1108073
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 55.0 44.0 66.0





#71

Bromoform

Concen: 49.162 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:173 Resp: 174614

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.2

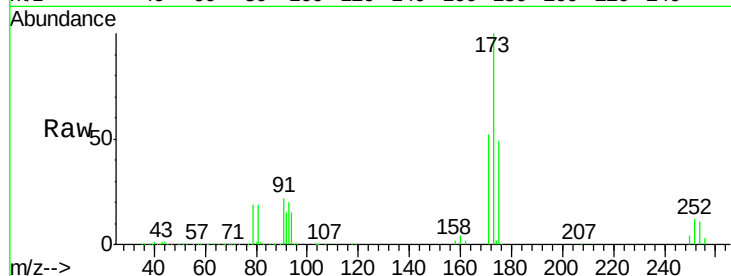
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

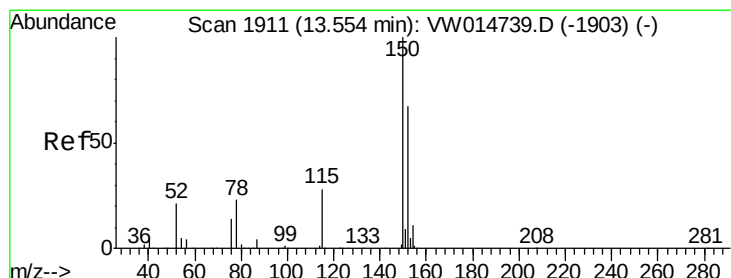
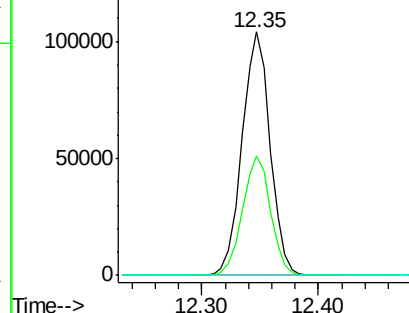
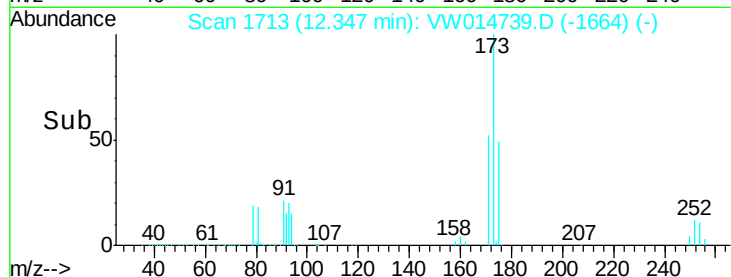
1/27/2020 12:04:43 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

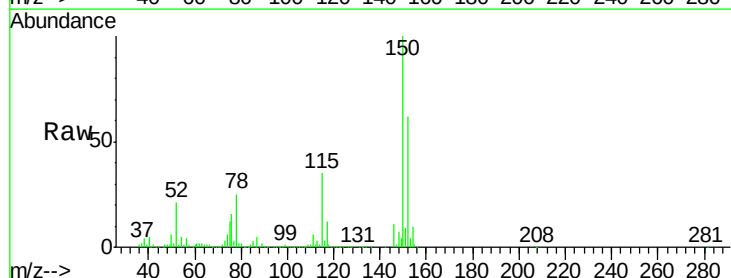
Tgt Ion:152 Resp: 464477

Ion Ratio Lower Upper

152 100

115 58.1 29.0 87.1

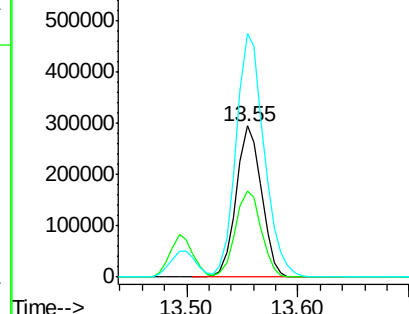
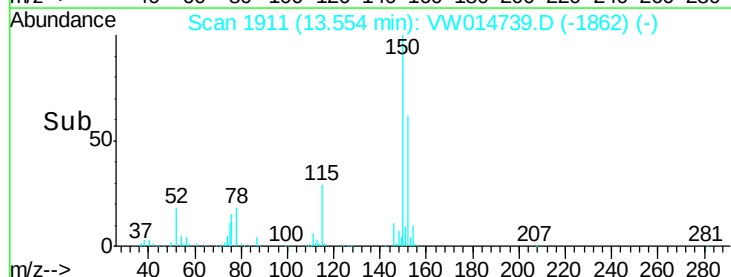
150 177.0 0.0 354.0

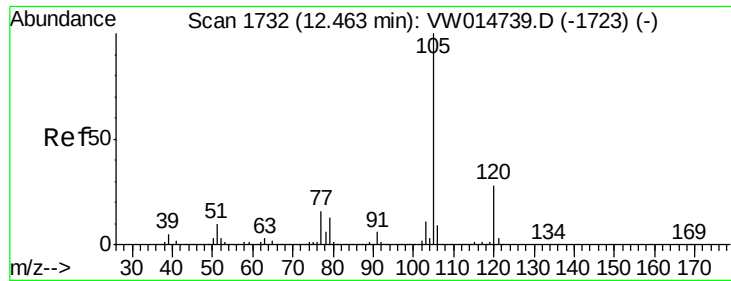


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.933 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1744592

Ion Ratio Lower Upper

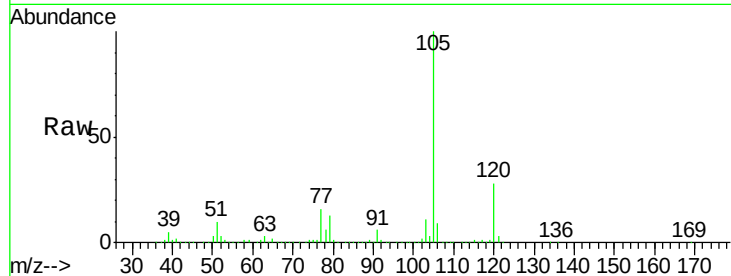
105 100

120 27.2 13.6 40.8

Manual Integrations
APPROVED

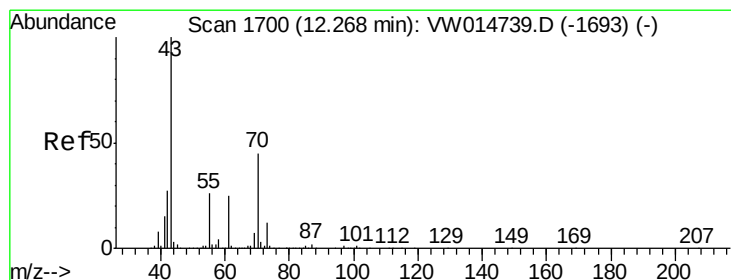
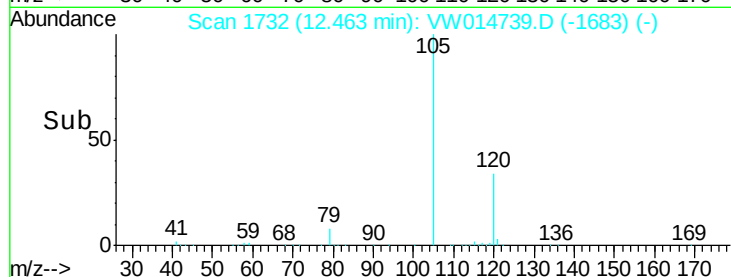
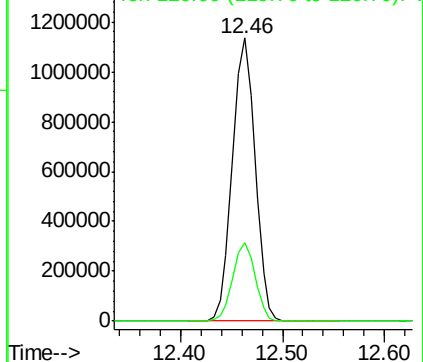
MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.512 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion: 43 Resp: 417758

Ion Ratio Lower Upper

43 100

70 43.3 34.6 52.0

55 25.7 20.6 30.8

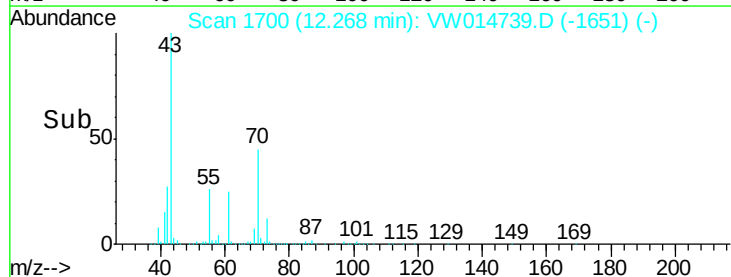
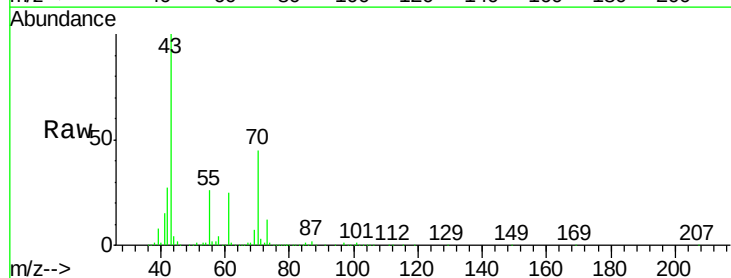
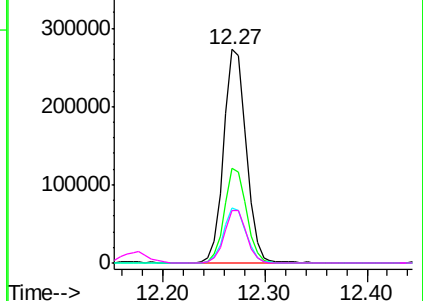
61 24.3 19.4 29.2

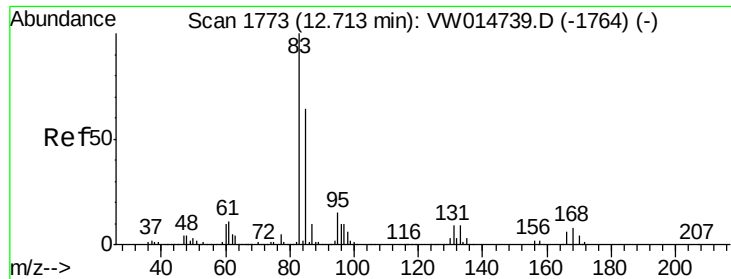
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 49.810 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

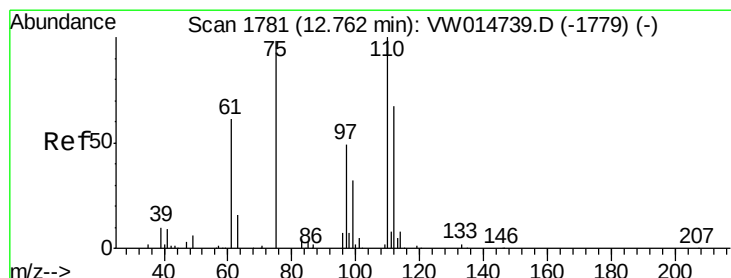
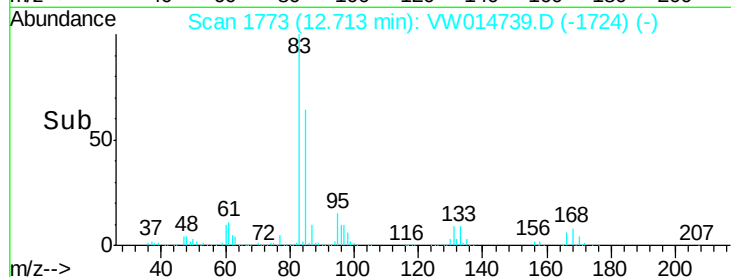
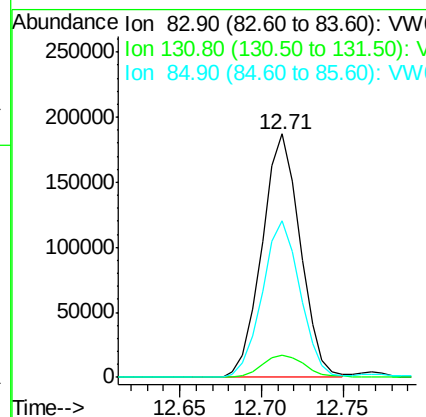
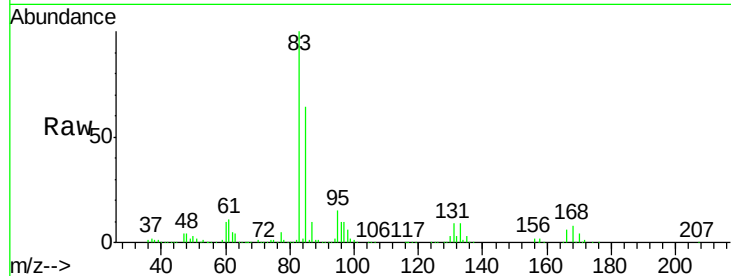
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	303980
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	64.0	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#76

1,2,3-Trichloropropane

Concen: 52.569 ug/l m

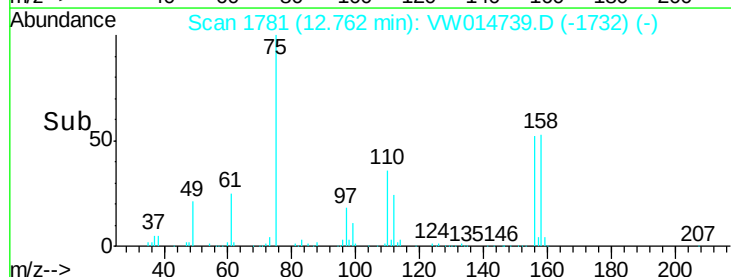
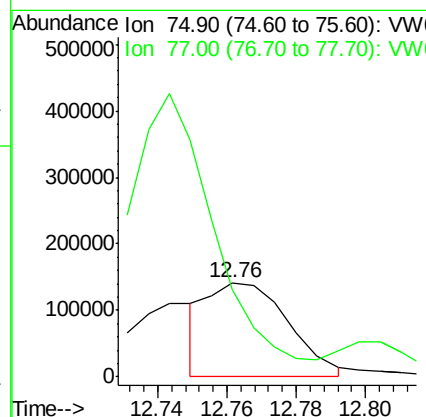
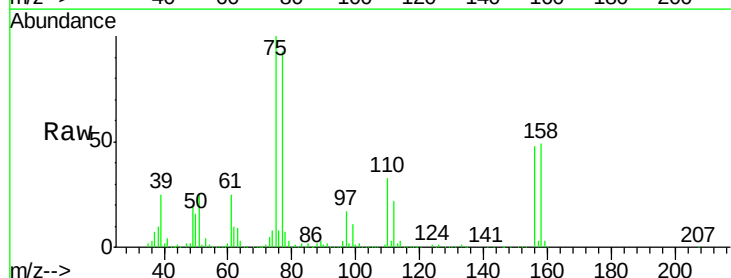
RT: 12.76 min Scan# 1781

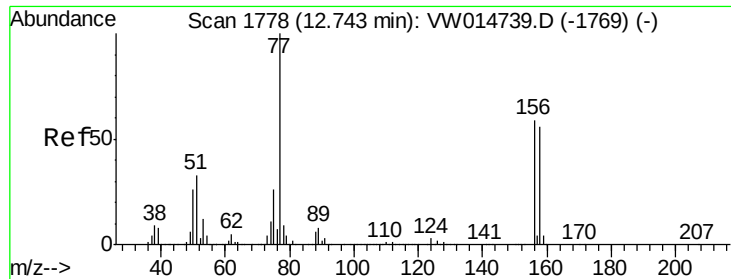
Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion:	75	Resp:	228331
Ion Ratio	Lower	Upper	
75	100		
77	335.9	167.9	503.9





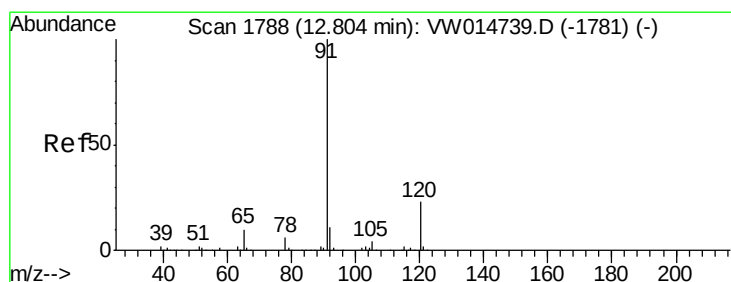
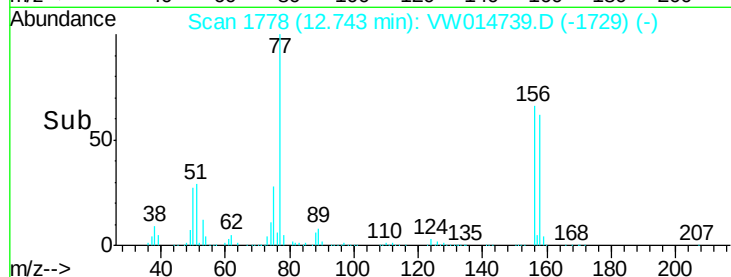
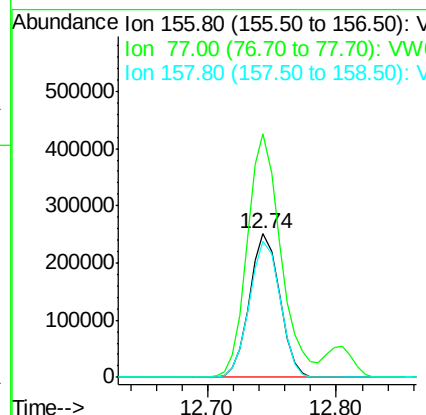
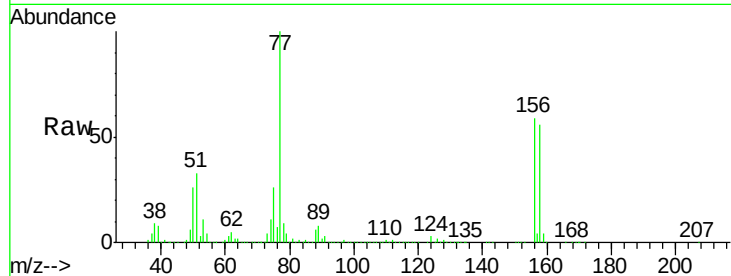
#77
Bromobenzene
Concen: 51.004 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.0	94.5	283.5
158	96.5	48.3	144.8

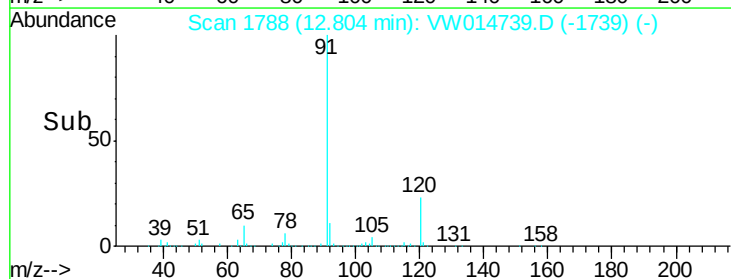
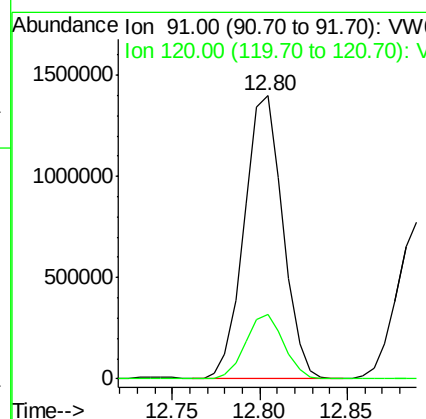
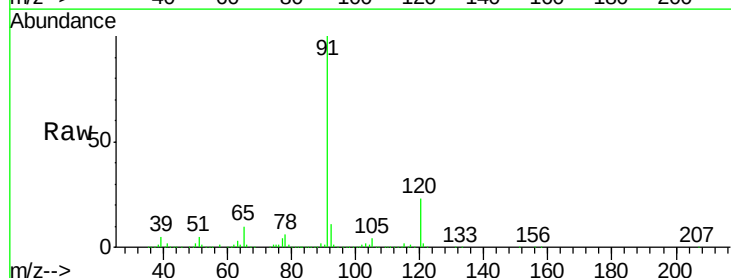
Manual Integrations
APPROVED

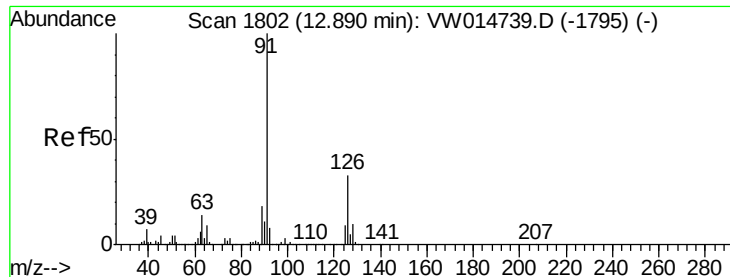
MMDadoda
1/27/2020 12:04:43 PM



#78
n-propylbenzene
Concen: 52.724 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 51.988 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1199626

Ion Ratio Lower Upper

91 100

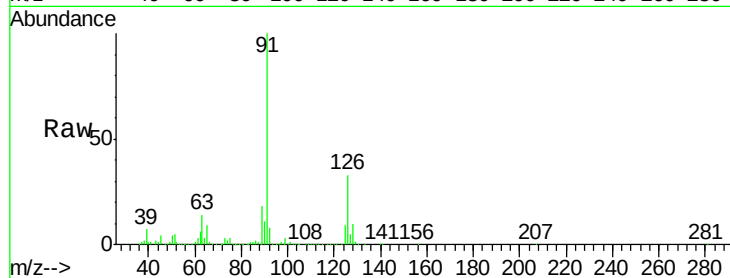
126 33.7 16.9 50.6

Manual Integrations

APPROVED

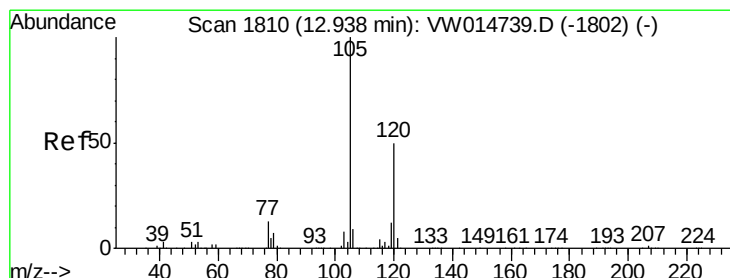
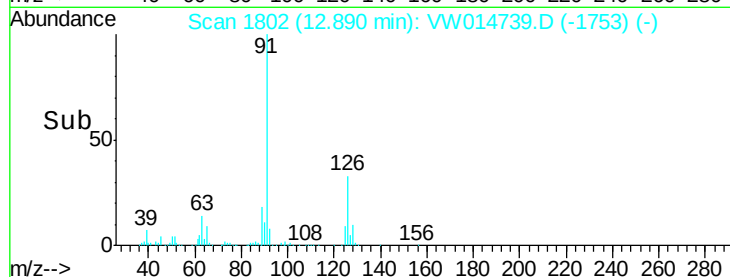
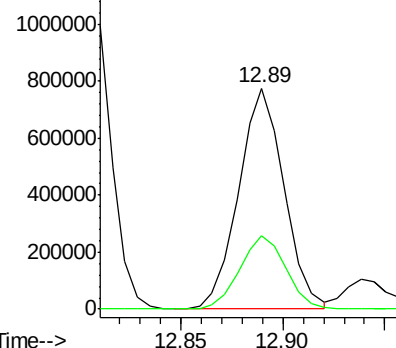
MMDadoda

1/27/2020 12:04:43 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.964 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014739.D

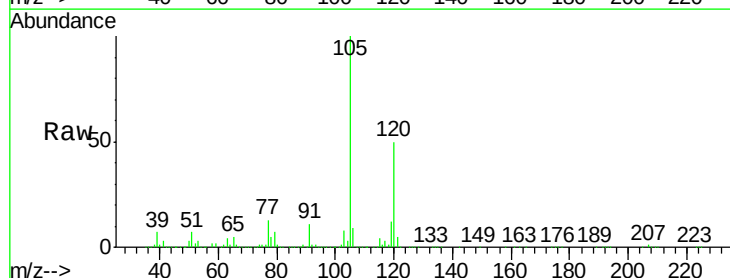
Acq: 24 Jan 2020 11:52

Tgt Ion:105 Resp: 1501552

Ion Ratio Lower Upper

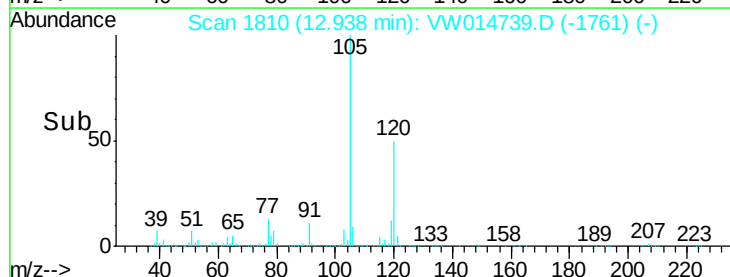
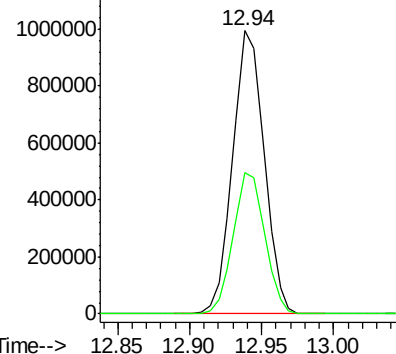
105 100

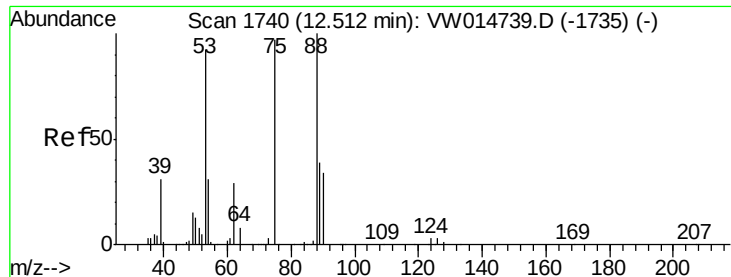
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





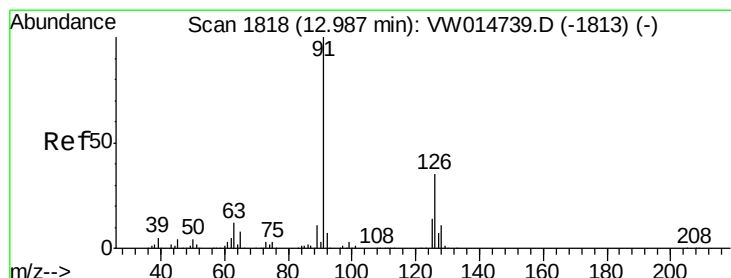
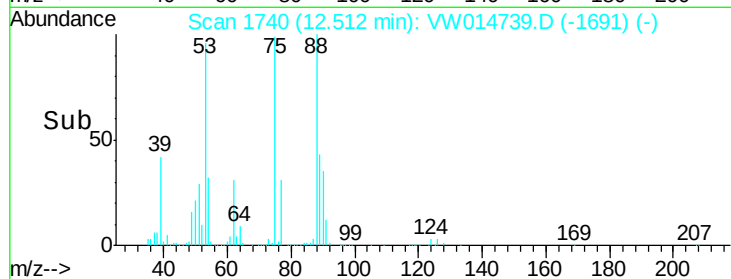
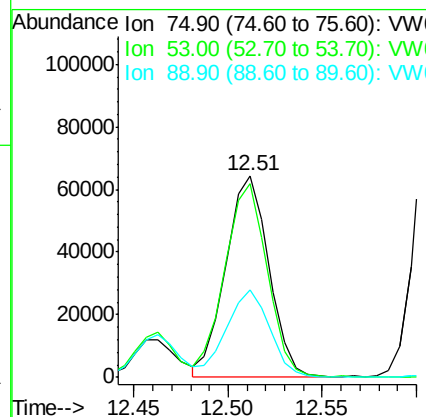
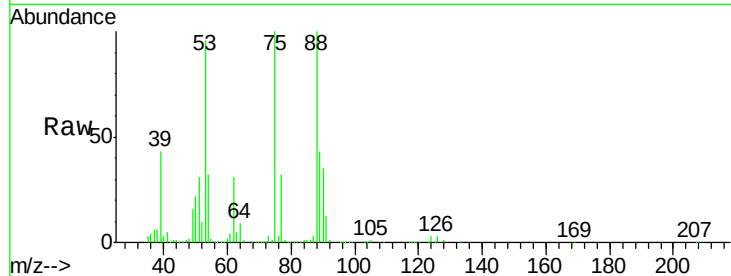
#81
trans-1,4-Dichloro-2-butene
Concen: 51.883 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	77.0	115.4
89	44.0	35.2	52.8

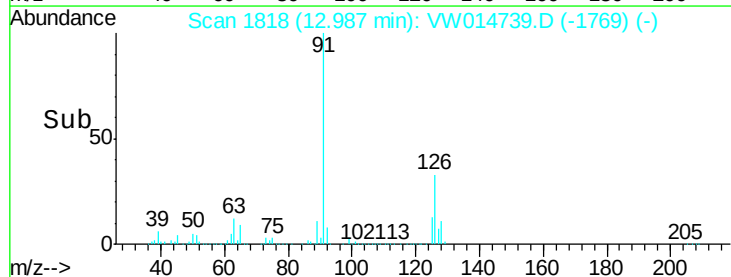
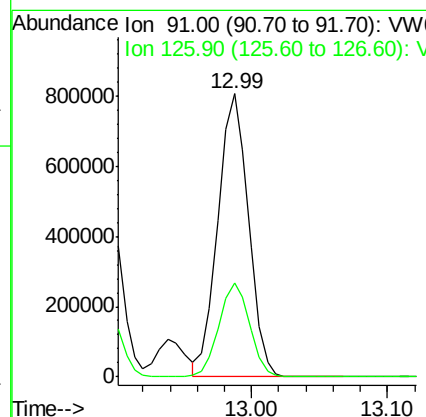
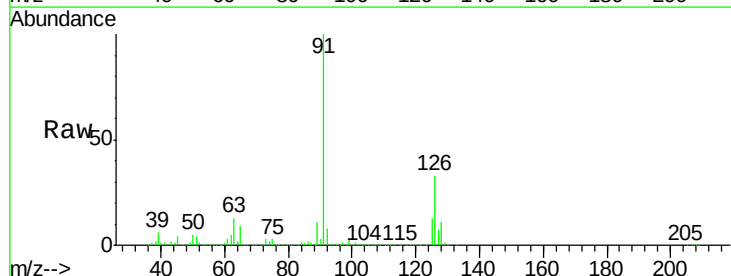
Manual Integrations
APPROVED

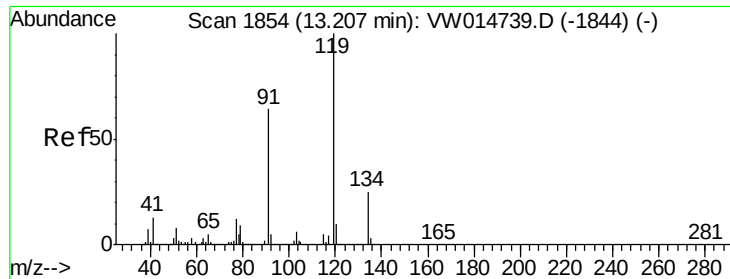
MMDadoda
1/27/2020 12:04:43 PM



#82
4-Chlorotoluene
Concen: 52.192 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1





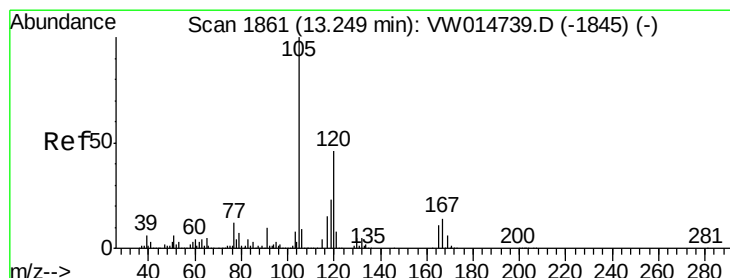
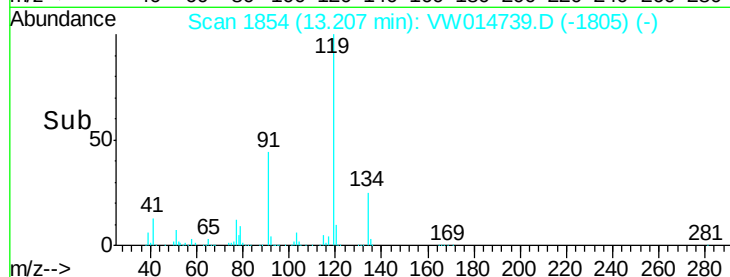
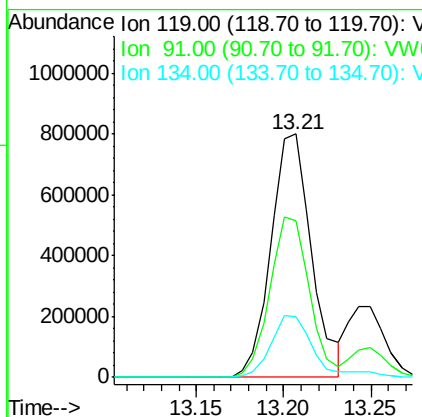
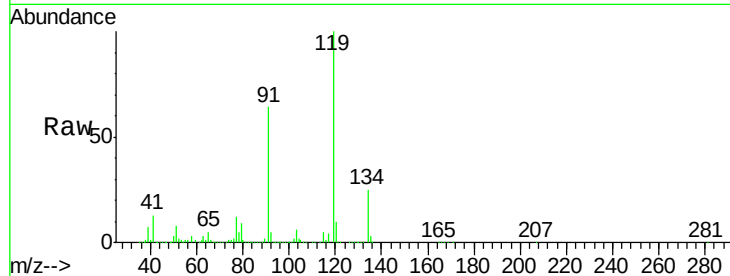
#83
 tert-Butylbenzene
 Concen: 51.387 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1295954
 Ion Ratio Lower Upper
 119 100
 91 64.2 32.1 96.3
 134 26.8 13.4 40.2

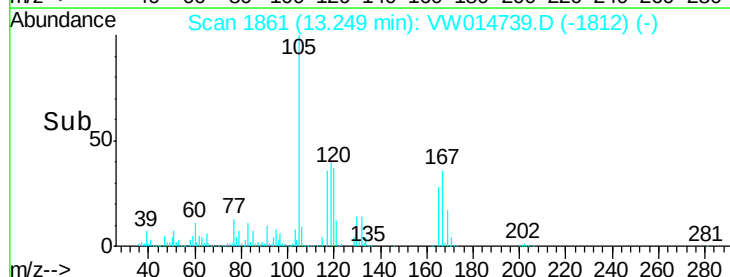
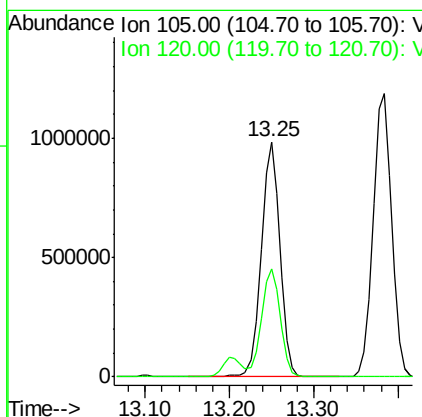
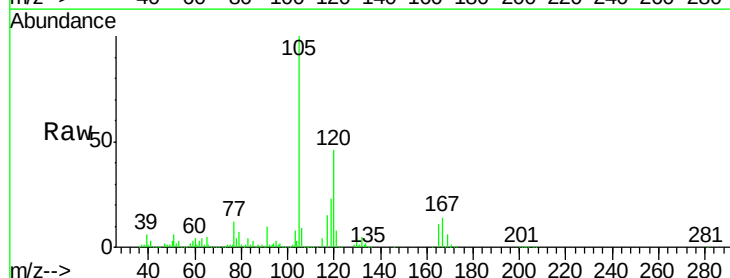
Manual Integrations
 APPROVED

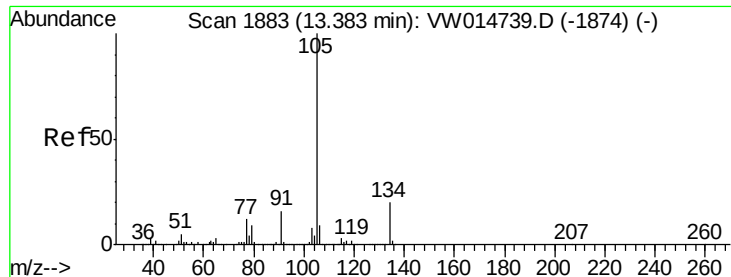
MMDadoda
 1/27/2020 12:04:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.321 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion:105 Resp: 1506009
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 51.841 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1814720

Ion Ratio Lower Upper

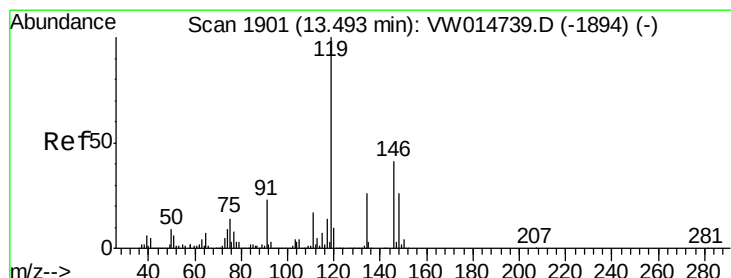
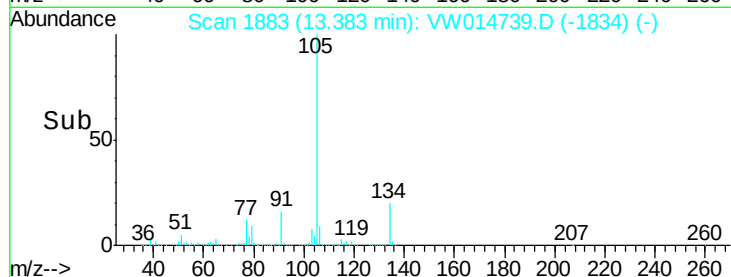
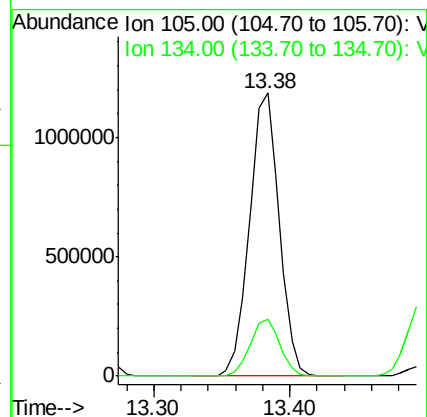
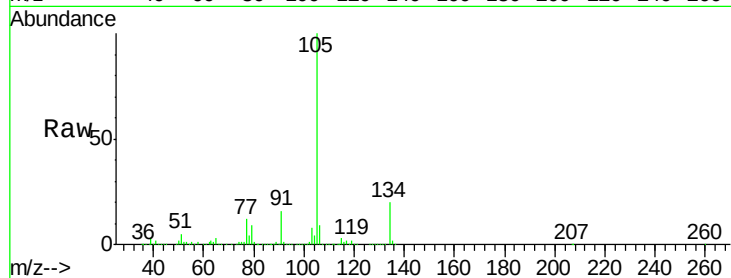
105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

MMDadoda

1/27/2020 12:04:43 PM



#86

p-Isopropyltoluene

Concen: 52.393 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

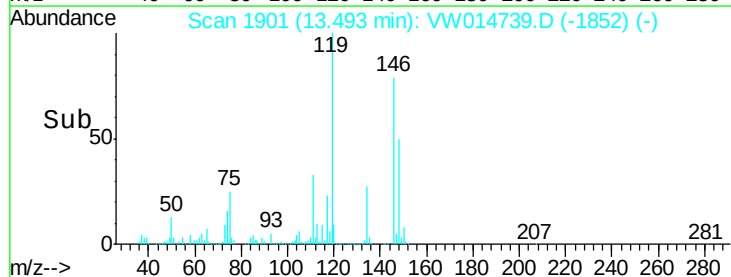
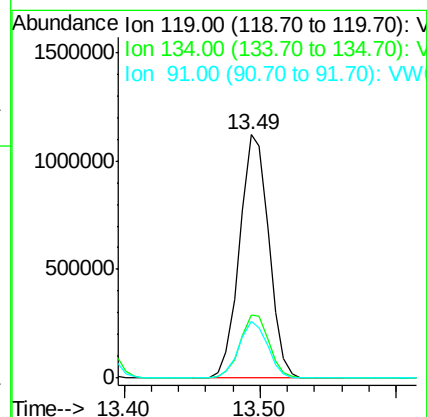
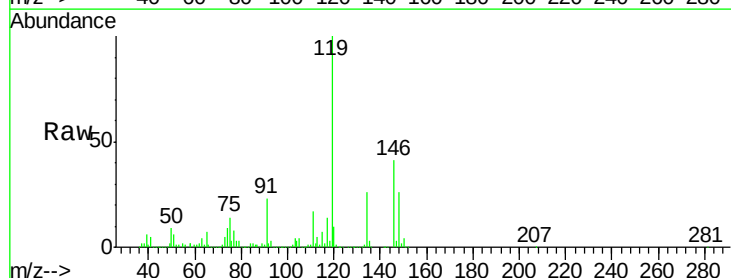
Tgt Ion:119 Resp: 1673355

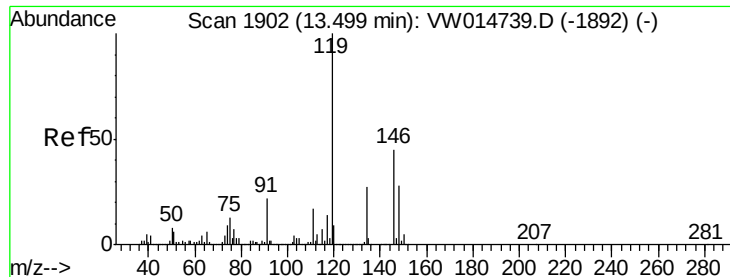
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 22.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.793 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

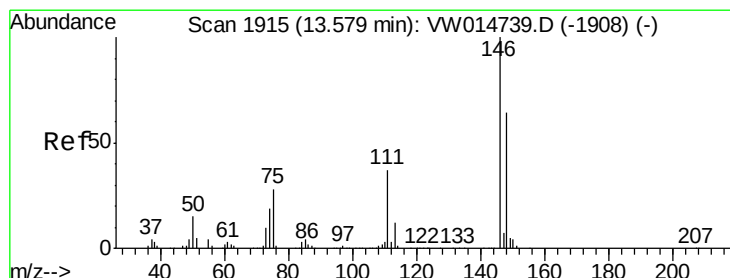
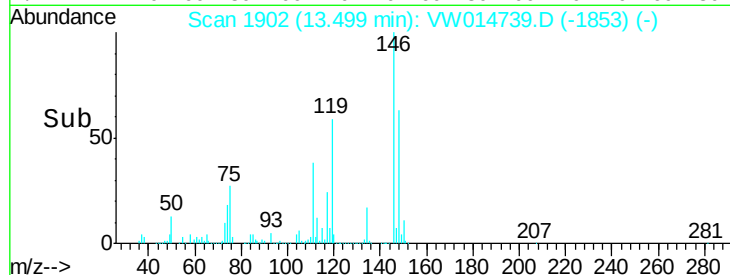
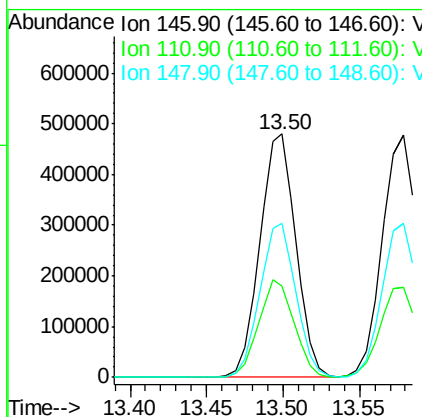
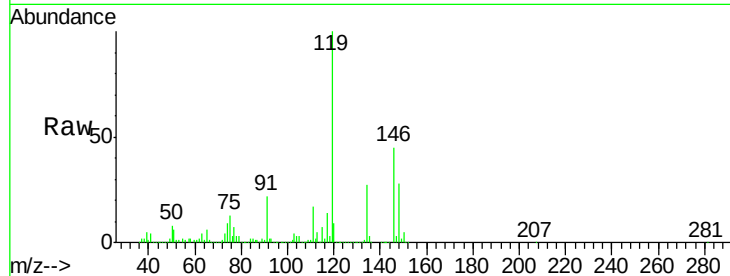
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	63.3	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#88

1,4-Dichlorobenzene

Concen: 50.154 ug/l

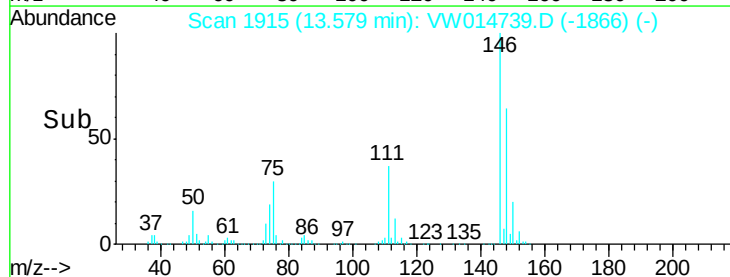
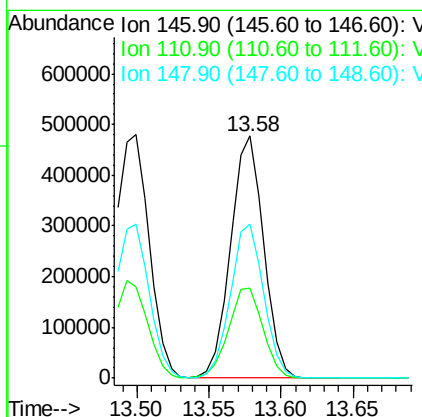
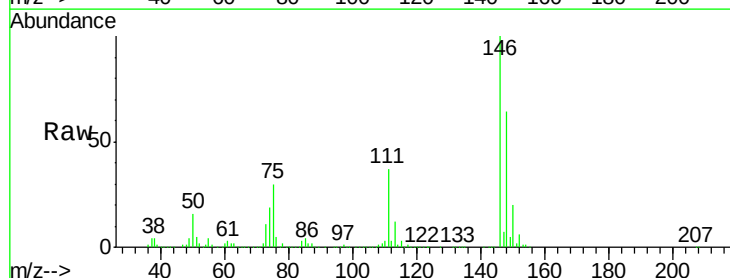
RT: 13.58 min Scan# 1915

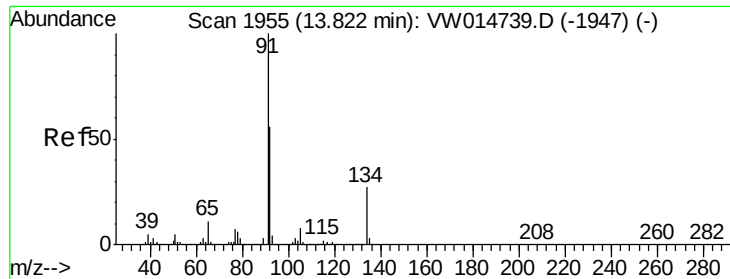
Delta R.T. 0.00 min

Lab File: VW014739.D

Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.1	32.0	96.2





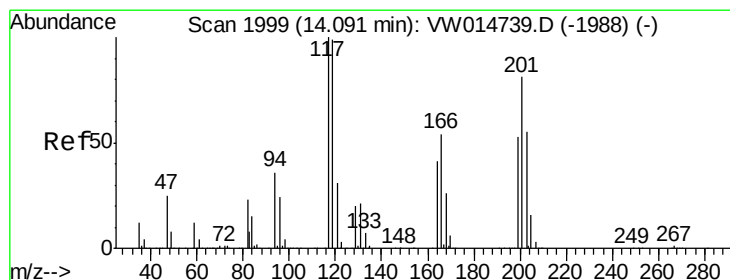
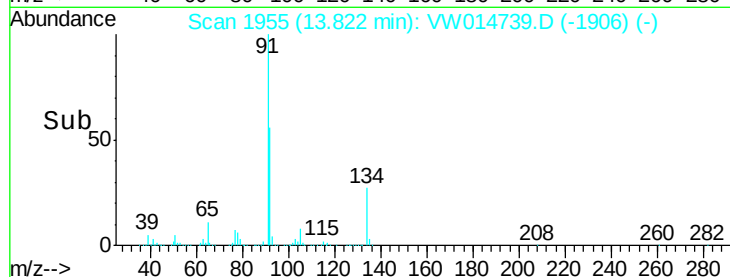
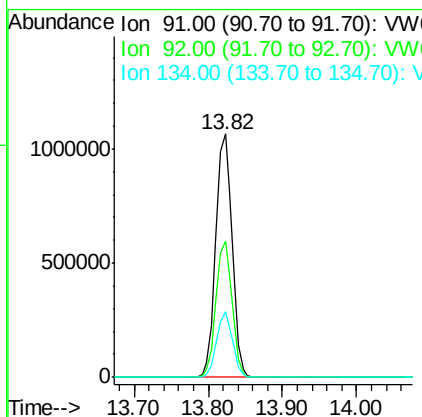
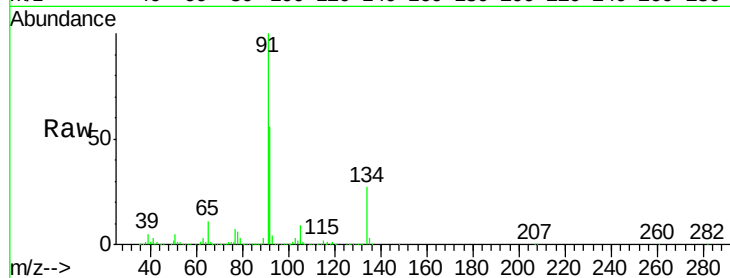
#89
n-Butylbenzene
Concen: 53.750 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1598593
Ion Ratio Lower Upper
91 100
92 54.9 27.5 82.4
134 26.1 13.1 39.1

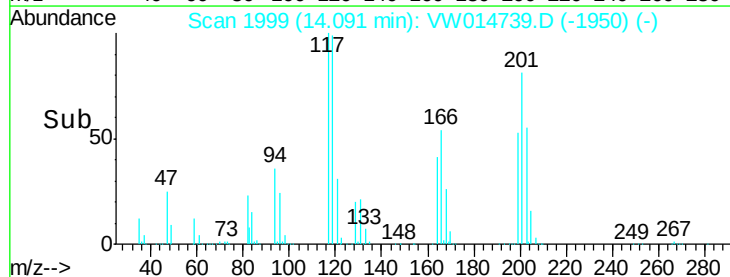
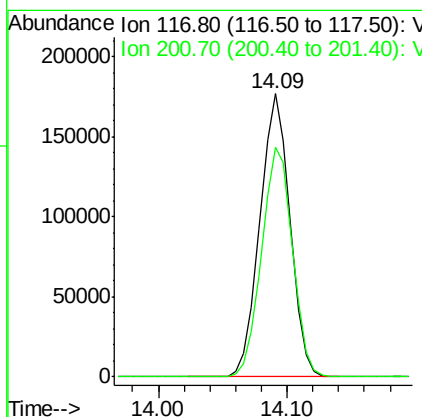
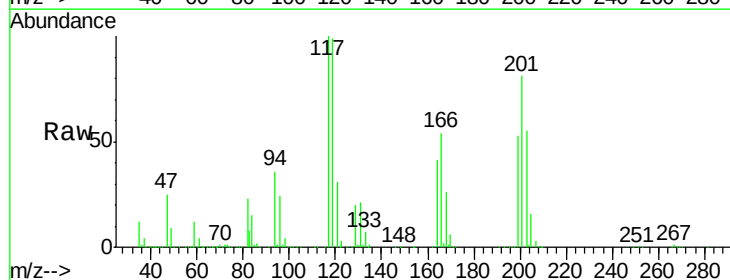
Manual Integrations
APPROVED

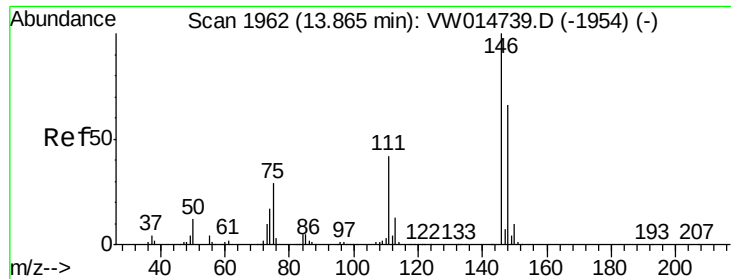
MMDadoda
1/27/2020 12:04:43 PM



#90
Hexachloroethane
Concen: 51.303 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion: 117 Resp: 285178
Ion Ratio Lower Upper
117 100
201 83.3 41.6 124.9





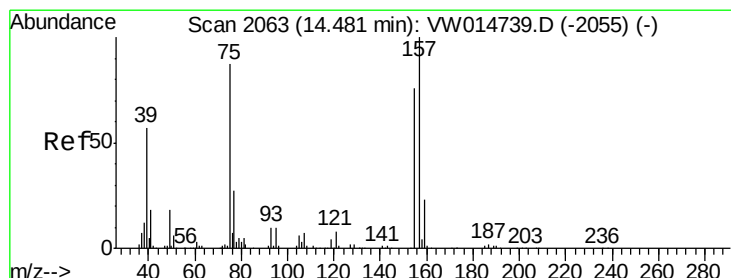
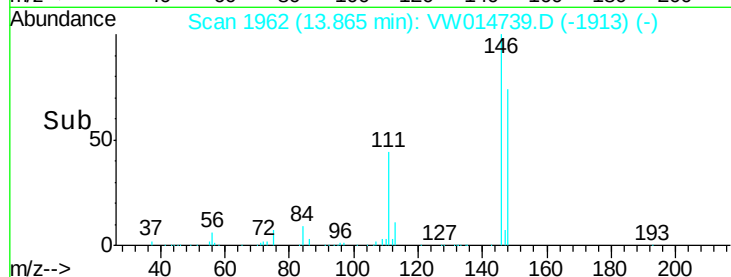
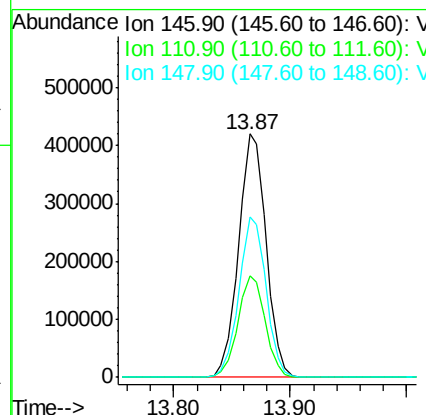
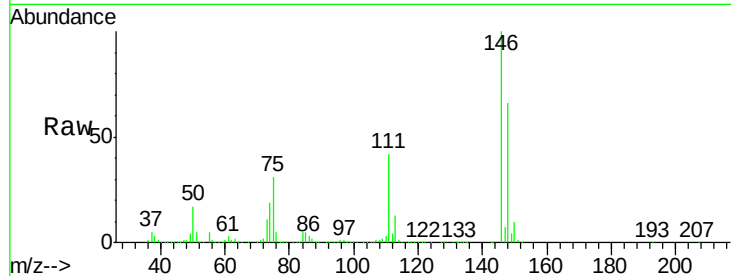
#91
 1,2-Dichlorobenzene
 Concen: 50.702 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.9	32.5	97.4

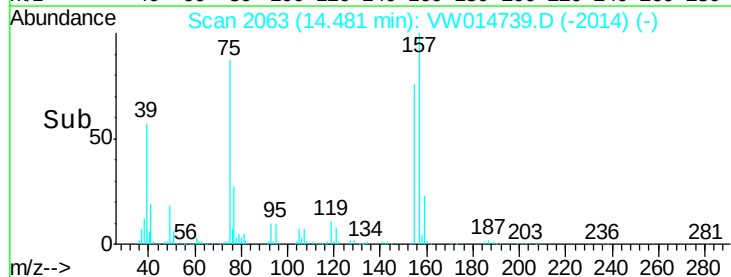
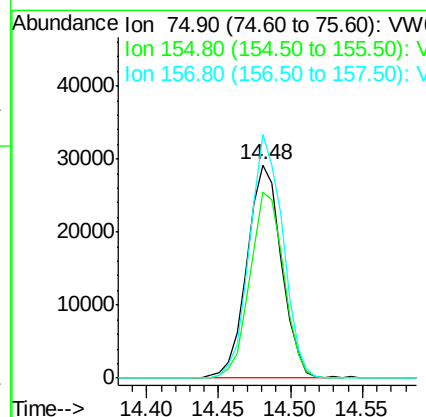
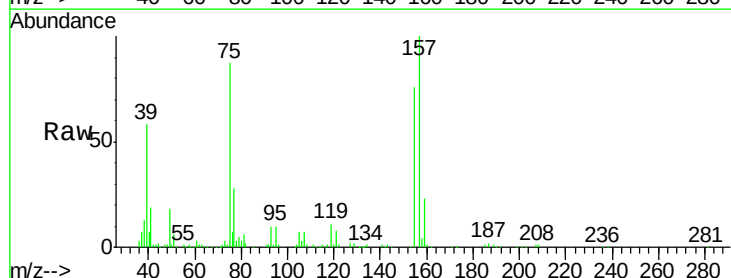
Manual Integrations
 APPROVED

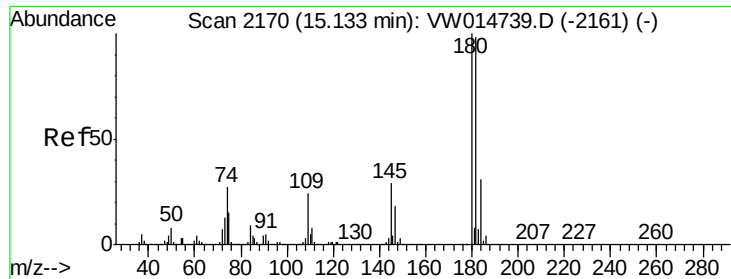
MMDadoda
 1/27/2020 12:04:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.279 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	42.5	127.5
157	109.6	54.8	164.4





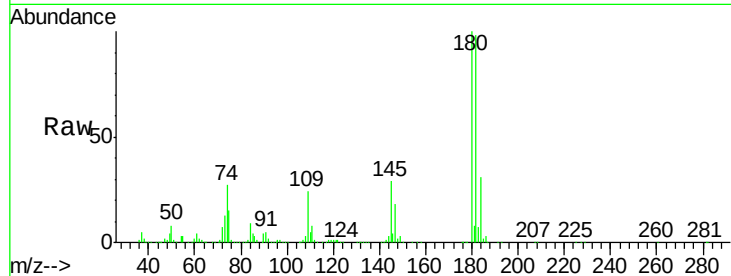
#93
 1,2,4-Trichlorobenzene
 Concen: 51.505 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

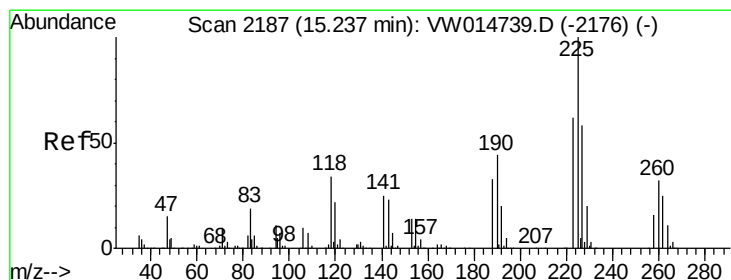
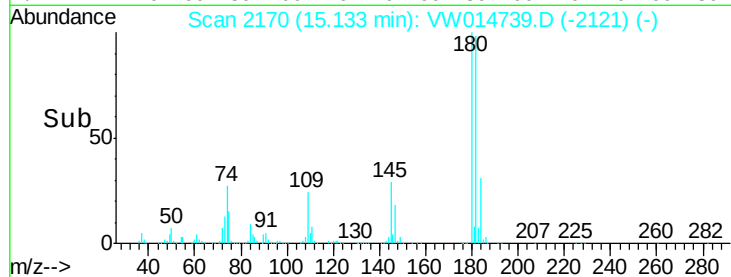
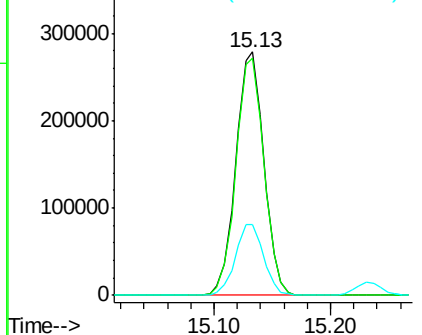
Tot Ion	Ratio	Resp	Lower	Upper
180	100	469187		
182	97.3	48.6	145.9	
145	29.4	14.7	44.1	

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:04:43 PM

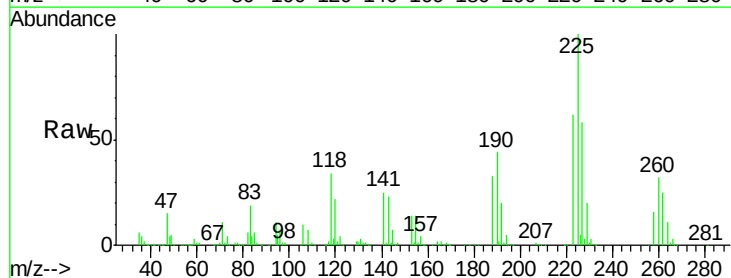


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

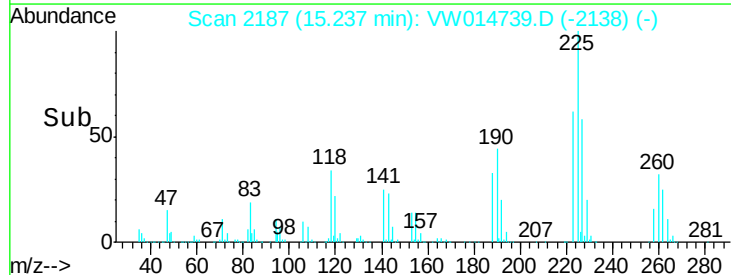
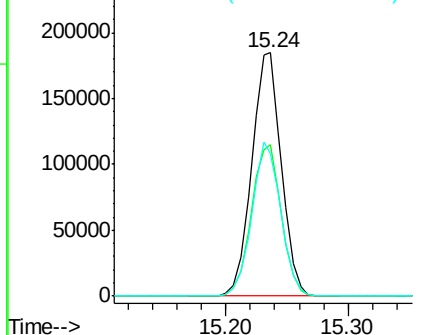


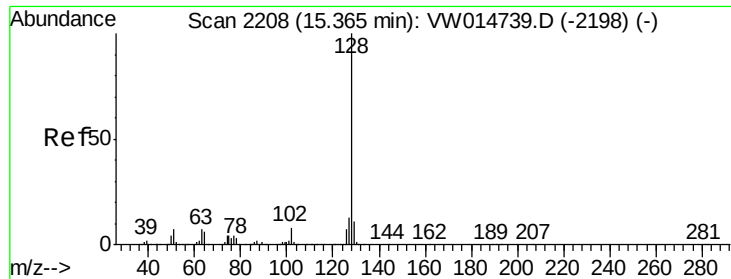
#94
 Hexachlorobutadiene
 Concen: 50.323 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW014739.D
 Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	309702		
223	62.9	31.4	94.3	
227	61.9	30.9	92.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





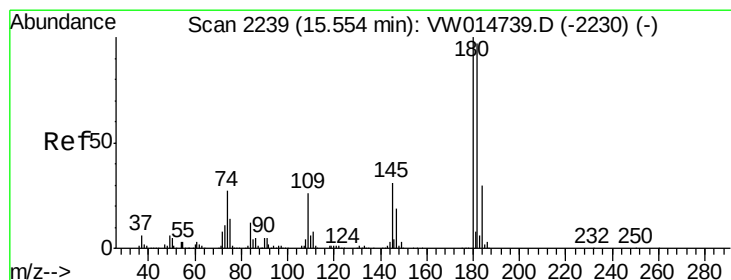
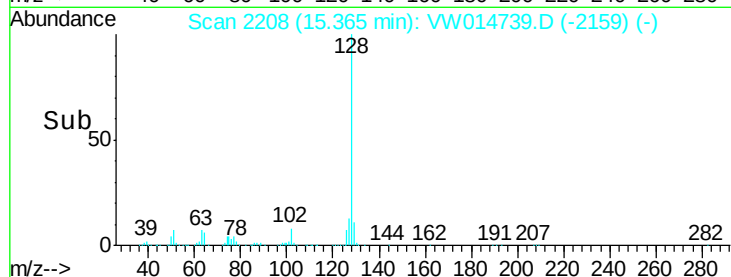
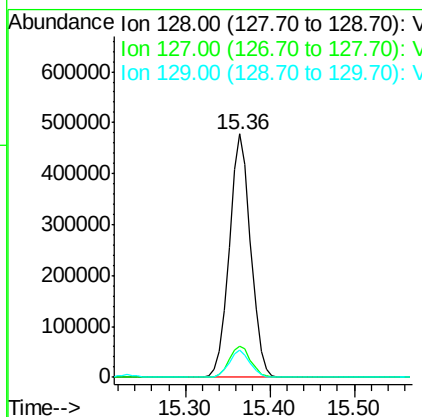
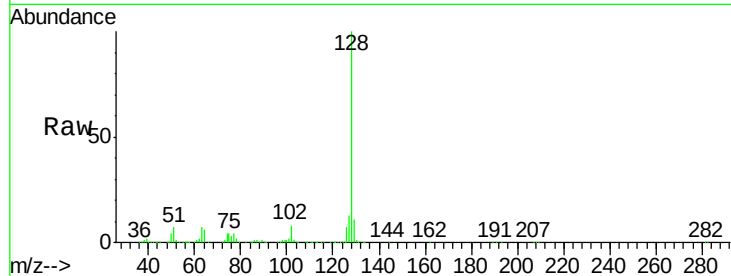
#95
Naphthalene
Concen: 53.387 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.505 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014739.D
Acq: 24 Jan 2020 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	30.9	15.4	46.4

