

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012881.D
 Acq On : 10 Sep 2019 19:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 9:26:41 AM

Quant Time: Sep 11 08:43:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	132778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105352	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	7.88	113	85185	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.32	98	344511	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.62	95	123681	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	47527	44.461	ug/l	96
3) Chloromethane	2.21	50	63303	48.727	ug/l	100
4) Vinyl Chloride	2.36	62	81831	51.373	ug/l	97
5) Bromomethane	2.73	94	48061	55.563	ug/l	100
6) Chloroethane	2.90	64	50716	53.355	ug/l	99
7) Trichlorofluoromethane	3.24	101	53839	48.979	ug/l	99
8) Diethyl Ether	3.67	74	46388	50.211	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	86618	50.213	ug/l	97
10) Methyl Iodide	4.26	142	113087	52.077	ug/l	96
11) Tert butyl alcohol	5.16	59	46568	276.258	ug/l	99
12) 1,1-Dichloroethene	4.03	96	81845	50.262	ug/l	95
13) Acrolein	3.89	56	45975	257.015	ug/l	99
14) Allyl chloride	4.66	41	153852	45.673	ug/l	99
15) Acrylonitrile	5.36	53	139706	258.904	ug/l	99
16) Acetone	4.11	43	131044	218.177	ug/l	98
17) Carbon Disulfide	4.38	76	152222	44.040	ug/l	99
18) Methyl Acetate	4.66	43	71443	50.698	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	172719	53.483	ug/l	97
20) Methylene Chloride	4.92	84	92629	49.295	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	82861	49.870	ug/l	89
22) Diisopropyl ether	6.31	45	336251	50.329	ug/l	98
23) Vinyl Acetate	6.25	43	1066884	251.976	ug/l	98
24) 1,1-Dichloroethane	6.21	63	179777	49.975	ug/l	98
25) 2-Butanone	7.17	43	195397	223.230	ug/l	99
26) 2,2-Dichloropropane	7.17	77	110136	48.474	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	103134	53.533	ug/l	95
28) Bromochloromethane	7.51	49	78190	47.336	ug/l #	88
29) Tetrahydrofuran	7.52	42	122580	252.724	ug/l	95
30) Chloroform	7.67	83	181036	50.779	ug/l	99
31) Cyclohexane	7.95	56	142925	44.132	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	146891	50.829	ug/l	98
36) 1,1-Dichloropropene	8.08	75	131943	50.899	ug/l	99
37) Ethyl Acetate	7.25	43	86511	52.352	ug/l	100
38) Carbon Tetrachloride	8.06	117	132737	51.945	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012881.D
 Acq On : 10 Sep 2019 19:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 9:26:41 AM

Quant Time: Sep 11 08:43:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	147007	50.493	ug/l	93
40) Benzene	8.32	78	367122	51.044	ug/l	98
41) Methacrylonitrile	7.48	41	49702	44.687	ug/l	95
42) 1,2-Dichloroethane	8.40	62	128930	50.936	ug/l	99
43) Isopropyl Acetate	8.42	43	162971	52.055	ug/l	98
44) Trichloroethene	9.09	130	99043	53.423	ug/l	86
45) 1,2-Dichloropropane	9.37	63	103664	51.967	ug/l	100
46) Dibromomethane	9.46	93	51574	54.598	ug/l	98
47) Bromodichloromethane	9.64	83	136808	52.642	ug/l	99
48) Methyl methacrylate	9.43	41	75368	50.374	ug/l	98
49) 1,4-Dioxane	9.45	88	19492	1044.655	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	432669	263.373	ug/l	98
52) Toluene	10.38	92	238441	53.117	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	142471	53.314	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	159724	52.688	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	77164	54.564	ug/l	98
56) Ethyl methacrylate	10.64	69	115708	55.895	ug/l	95
57) 1,3-Dichloropropane	10.93	76	138304	52.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	302736	275.470	ug/l	97
59) 2-Hexanone	10.96	43	301675	251.354	ug/l	98
60) Dibromochloromethane	11.13	129	92662	55.713	ug/l	99
61) 1,2-Dibromoethane	11.23	107	72247	55.723	ug/l	99
64) Tetrachloroethene	10.86	164	87349	55.758	ug/l	96
65) Chlorobenzene	11.66	112	260691	53.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	97831	53.836	ug/l	98
67) Ethyl Benzene	11.73	91	483836	52.847	ug/l	100
68) m/p-Xylenes	11.84	106	357267	108.110	ug/l	99
69) o-Xylene	12.16	106	169787	54.459	ug/l	97
70) Styrene	12.18	104	304908	55.345	ug/l	98
71) Bromoform	12.35	173	56409	55.872	ug/l #	98
73) Isopropylbenzene	12.46	105	490505	51.506	ug/l	100
74) N-amyl acetate	12.27	43	153411	50.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	97025	50.731	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	64939m	47.830	ug/l	
77) Bromobenzene	12.74	156	113969	52.823	ug/l	95
78) n-propylbenzene	12.80	91	587451	51.577	ug/l	99
79) 2-Chlorotoluene	12.89	91	333572	51.016	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	417736	52.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	31711	49.400	ug/l	100
82) 4-Chlorotoluene	12.99	91	348119	50.334	ug/l	98
83) tert-Butylbenzene	13.21	119	376912	53.120	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	416775	51.543	ug/l	98
85) sec-Butylbenzene	13.38	105	512724	52.075	ug/l	99
86) p-Isopropyltoluene	13.50	119	475318	52.852	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	223191	52.629	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	218491	51.777	ug/l	99
89) n-Butylbenzene	13.82	91	448969	51.422	ug/l	99
90) Hexachloroethane	14.09	117	81939	52.190	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	203368	53.280	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17784	50.811	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
Data File : VW012881.D
Acq On : 10 Sep 2019 19:50
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

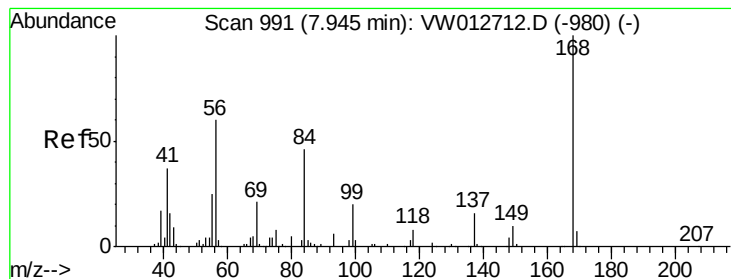
Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM

Quant Time: Sep 11 08:43:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	151142	56.874	ug/l	98
94) Hexachlorobutadiene	15.24	225	99791	54.251	ug/l	97
95) Naphthalene	15.36	128	282836	50.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	133497	56.910	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tot Ion: 168 Resp: 197183

Ion Ratio Lower Upper

168 100

99 52.7 47.8 71.6

Instrument :

MSVOA_W

ClientSampleId :

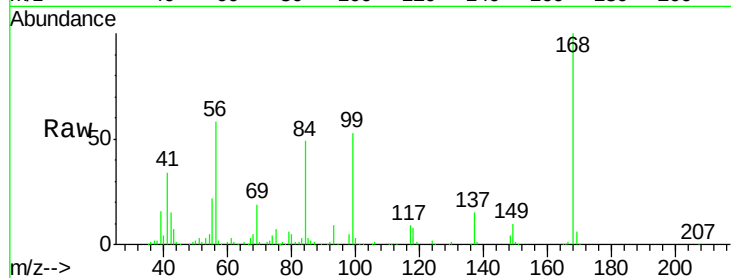
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

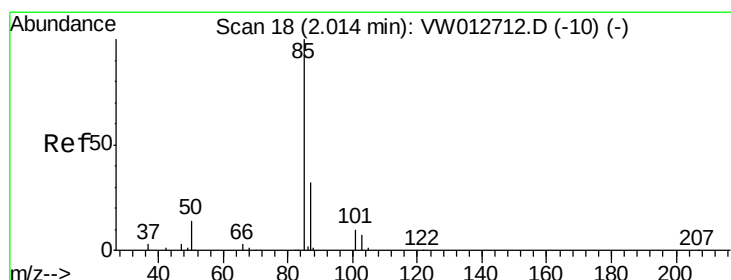
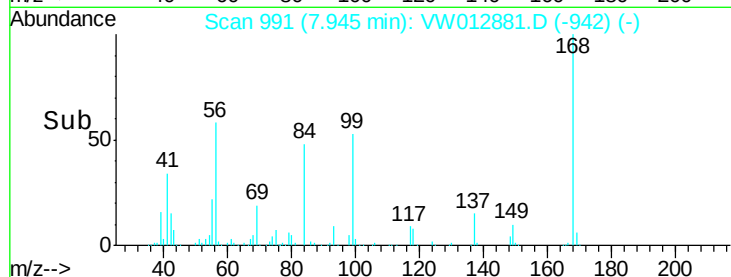
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.461 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012881.D

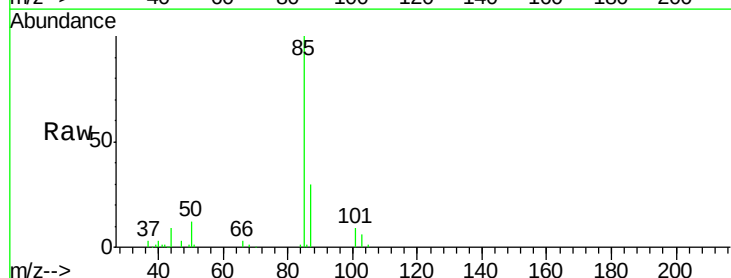
Acq: 10 Sep 2019 19:50

Tgt Ion: 85 Resp: 47527

Ion Ratio Lower Upper

85 100

87 29.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

10000

5000

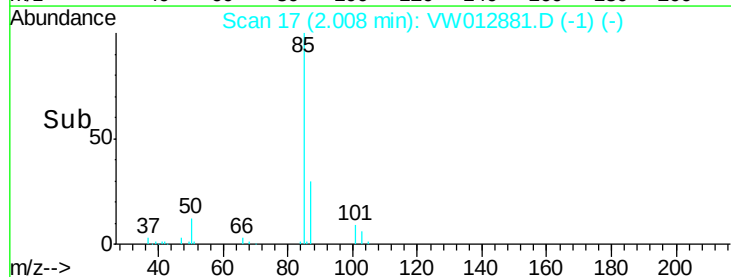
0

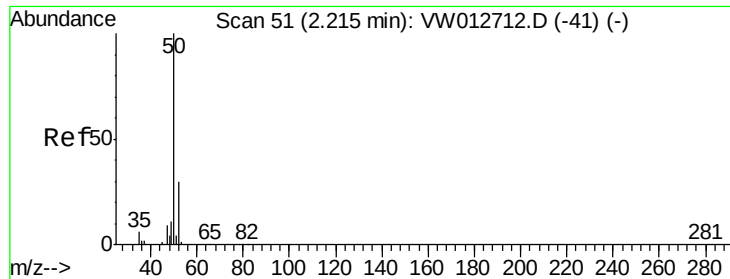
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 48.727 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 63303

Ion Ratio Lower Upper

50 100

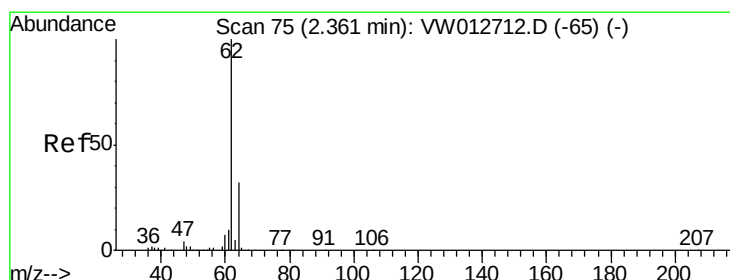
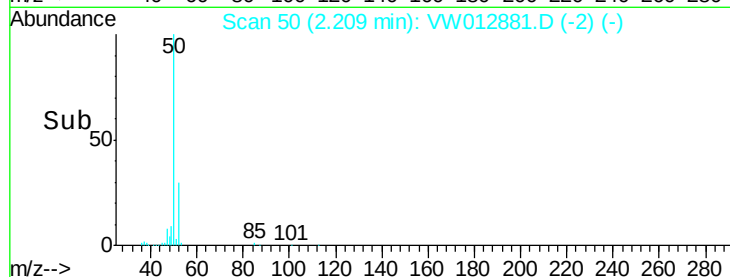
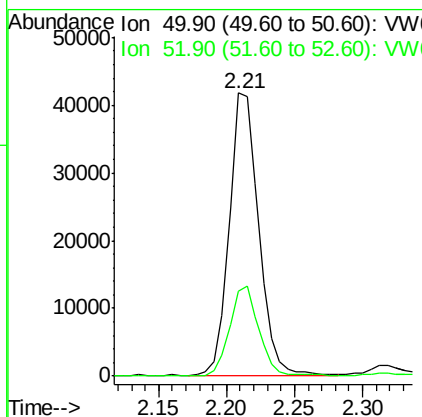
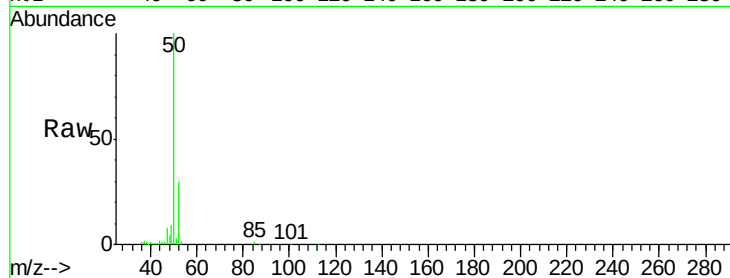
52 30.2 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#4

Vinyl Chloride

Concen: 51.373 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012881.D

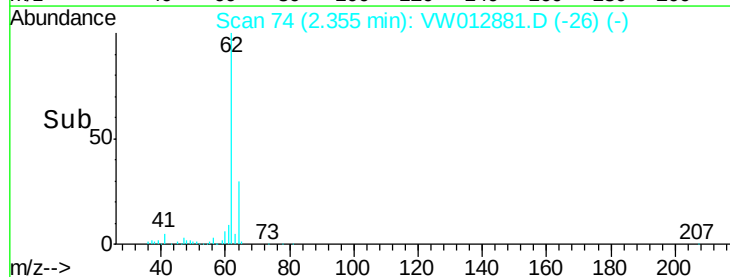
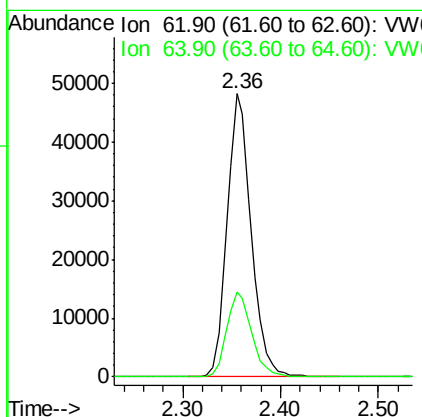
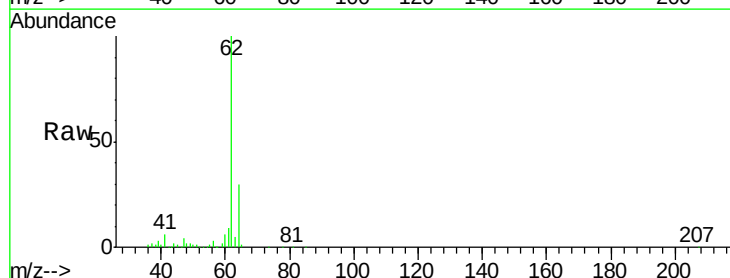
Acq: 10 Sep 2019 19:50

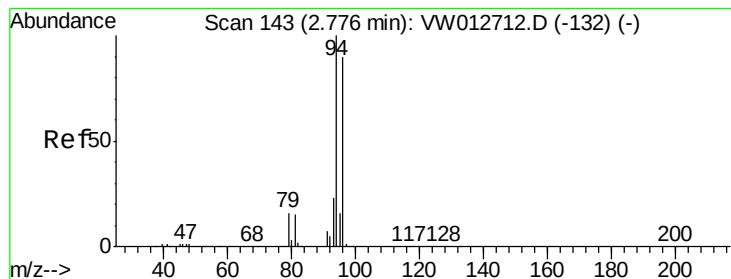
Tgt Ion: 62 Resp: 81831

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 55.563 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48061

Ion Ratio Lower Upper

94 100

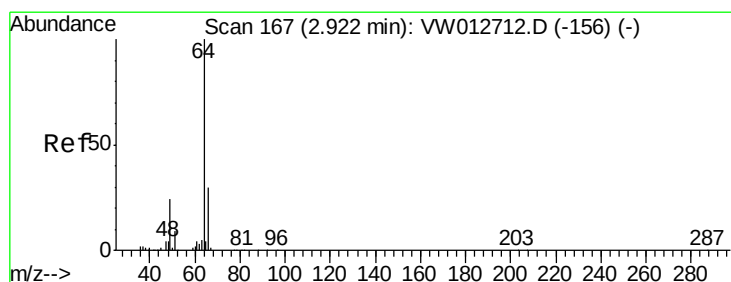
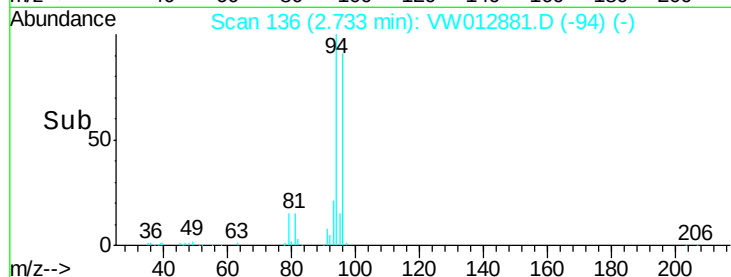
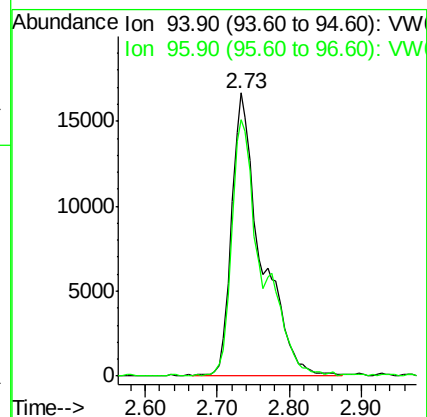
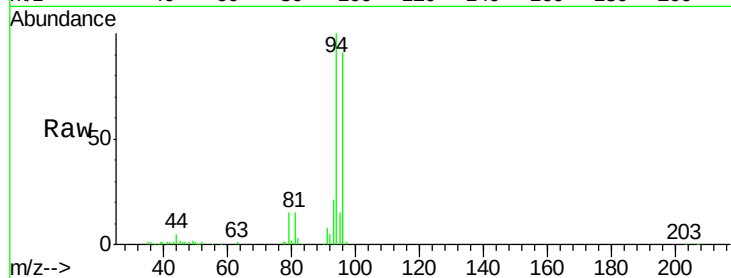
96 90.2 72.1 108.1

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#6

Chloroethane

Concen: 53.355 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW012881.D

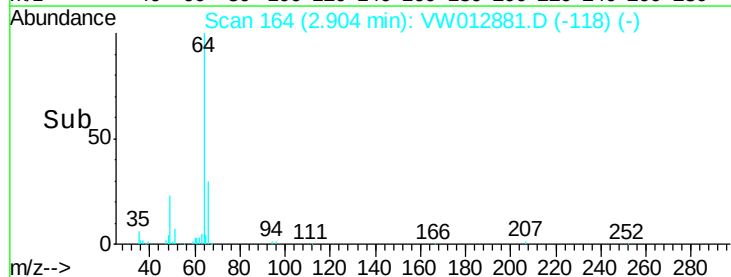
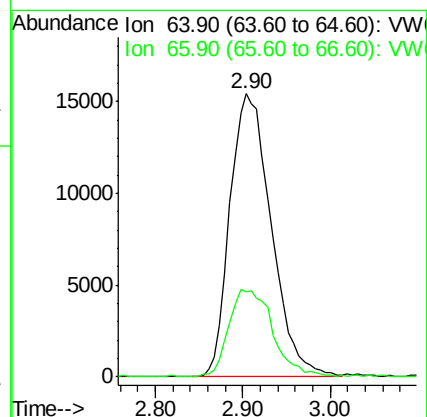
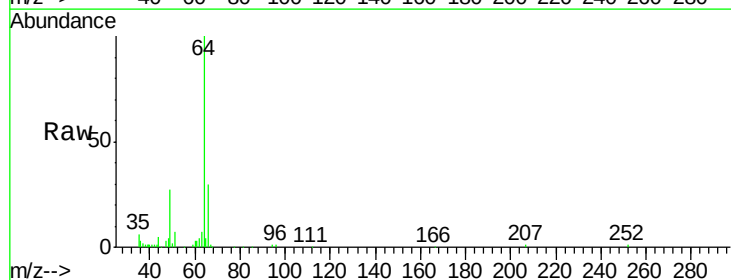
Acq: 10 Sep 2019 19:50

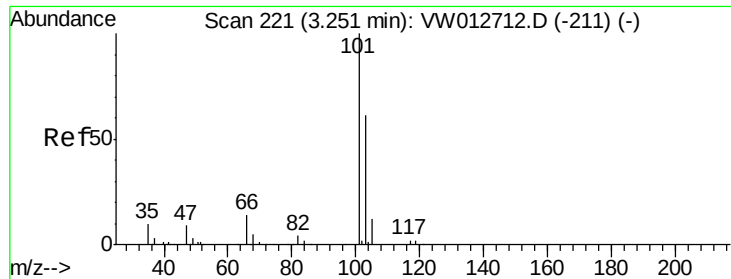
Tgt Ion: 64 Resp: 50716

Ion Ratio Lower Upper

64 100

66 30.1 23.8 35.6





#7

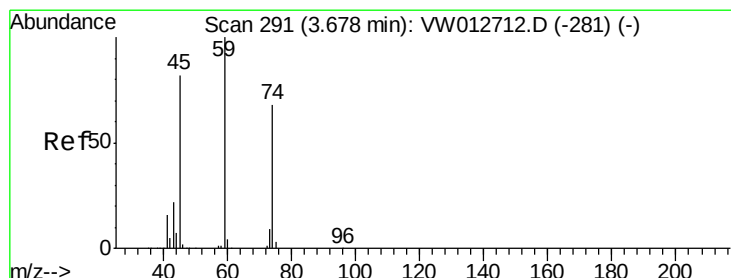
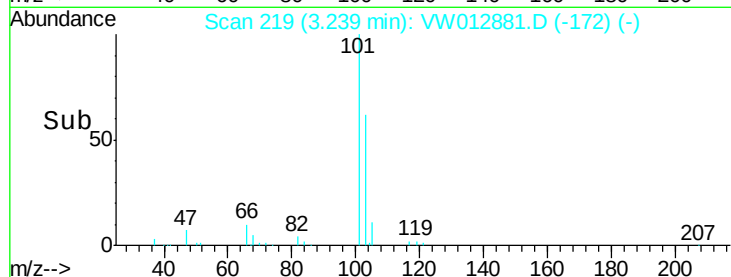
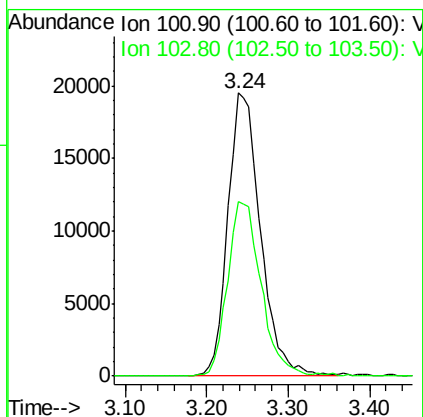
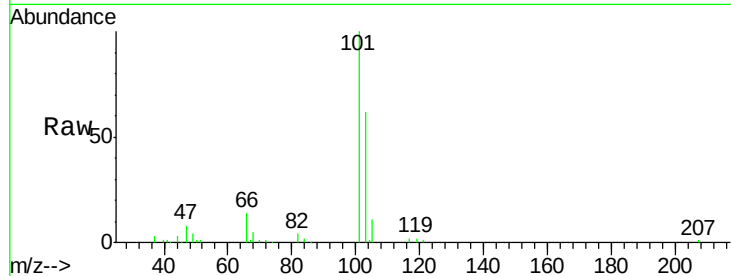
Trichlorofluoromethane
 Concen: 48.979 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	49.0	73.4

Manual Integrations
 APPROVED

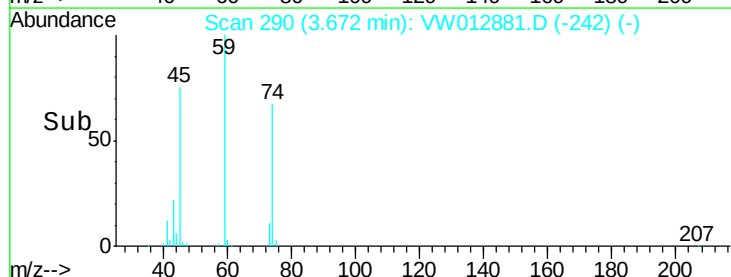
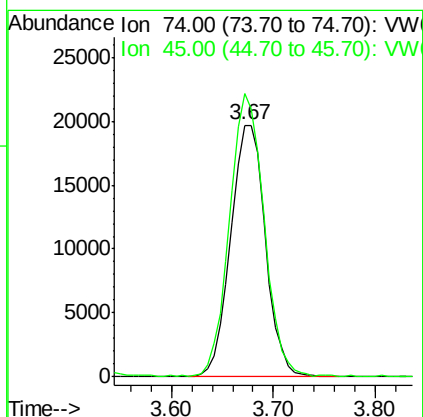
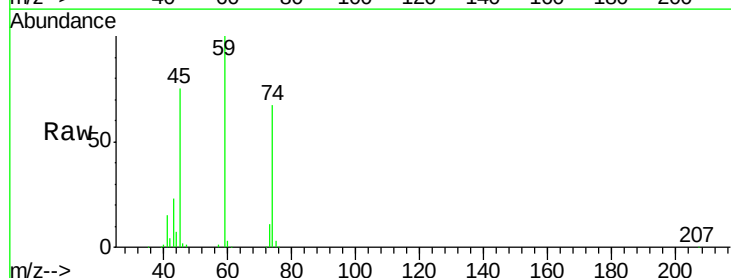
MMDadoda
 9/11/2019 9:26:41 AM

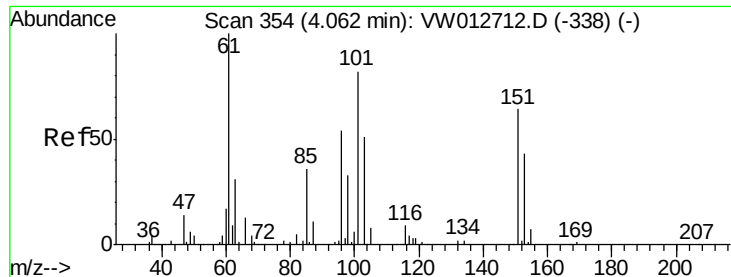


#8

Diethyl Ether
 Concen: 50.211 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.213 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

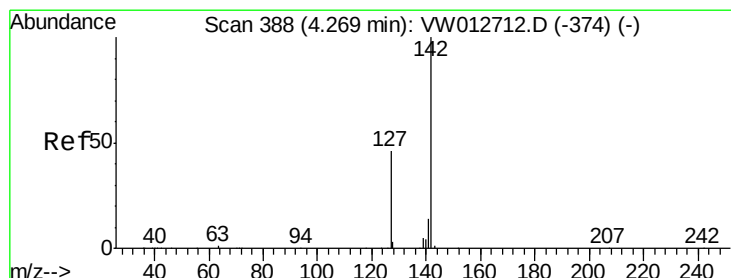
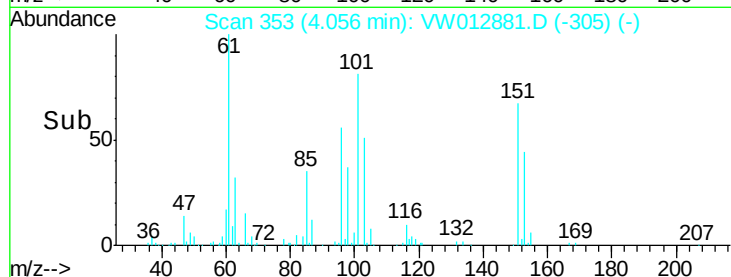
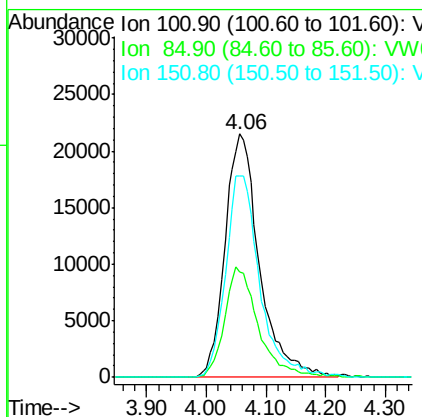
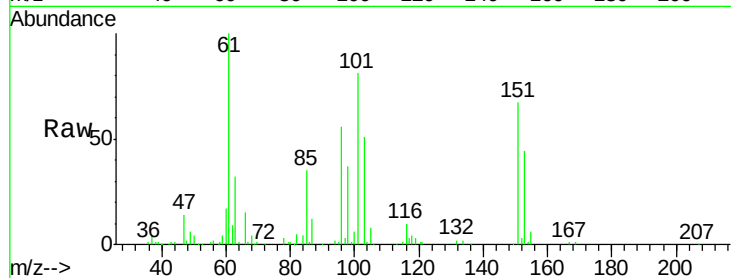
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	86618
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.2	54.2
151	81.2	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#10

Methyl Iodide

Concen: 52.077 ug/l

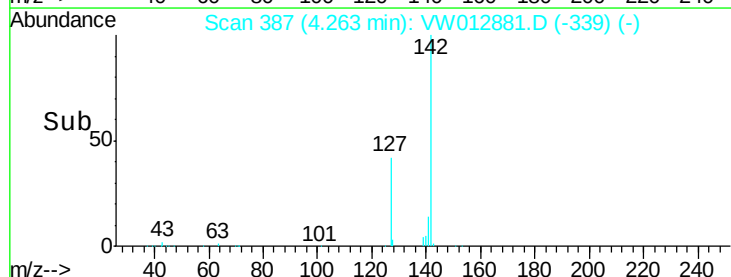
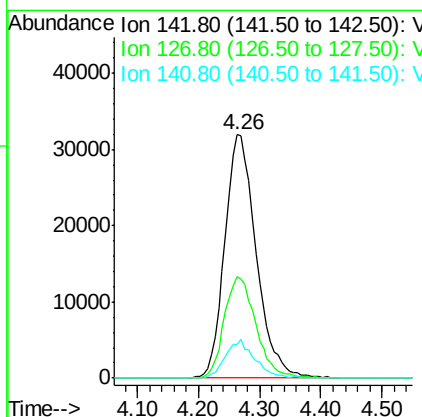
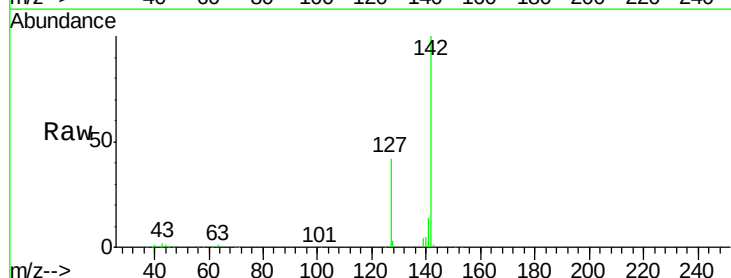
RT: 4.26 min Scan# 387

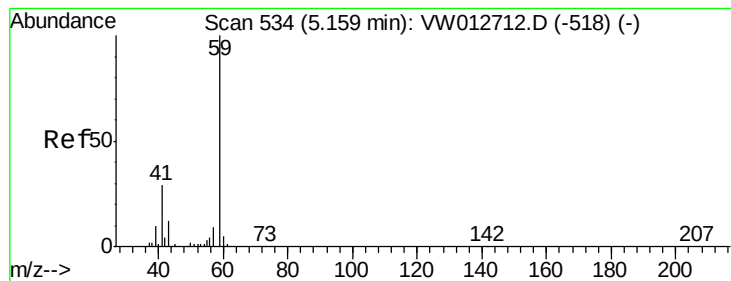
Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	142	Resp:	113087
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.0	54.0
141	14.8	12.2	18.4





#11

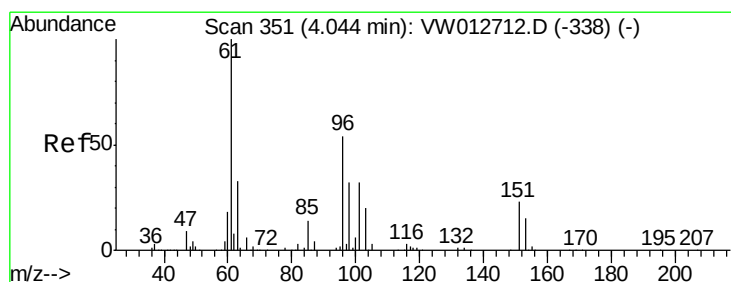
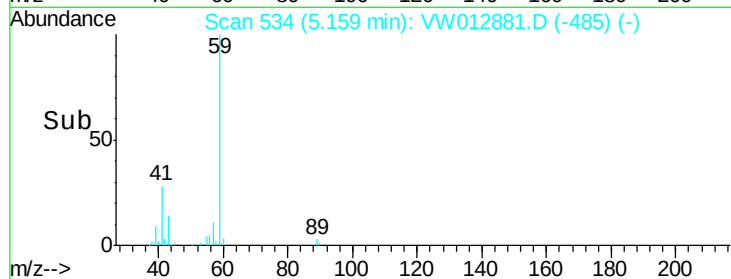
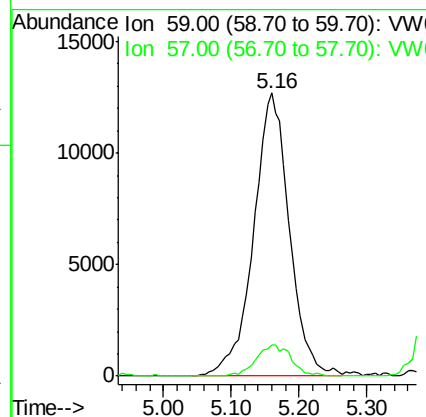
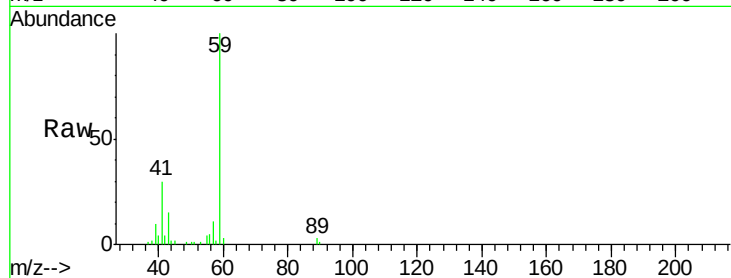
Tert butyl alcohol
Concen: 276.258 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.4

Manual Integrations
APPROVED

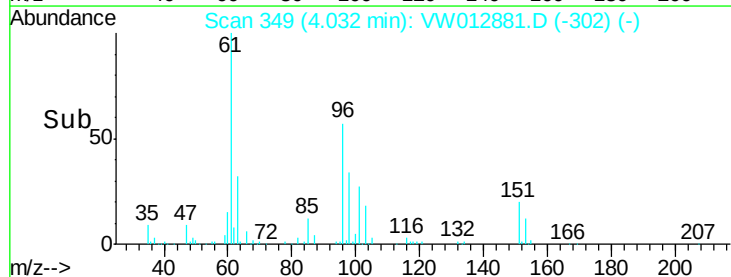
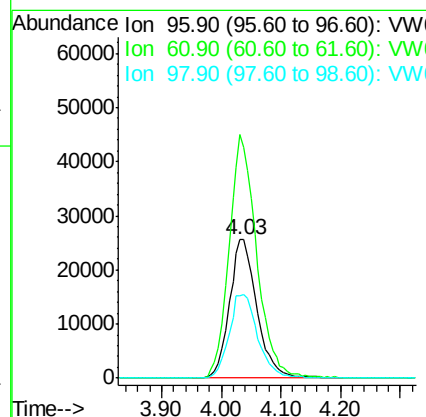
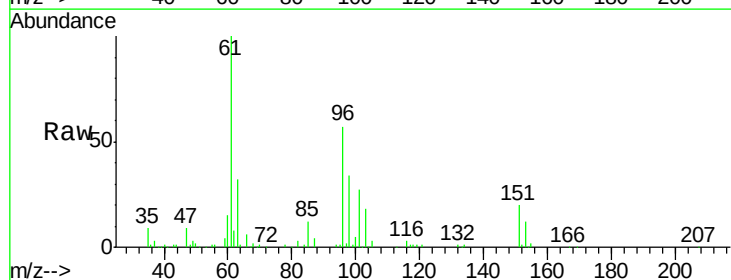
MMDadoda
9/11/2019 9:26:41 AM

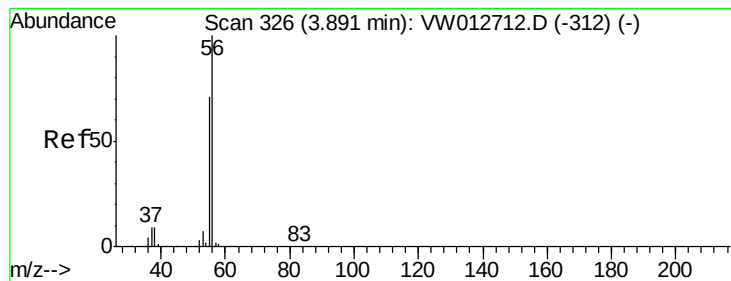


#12

1,1-Dichloroethene
Concen: 50.262 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.8	147.8	221.6
98	59.7	47.9	71.9





#13

Acrolein

Concen: 257.015 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45975

Ion Ratio Lower Upper

56 100

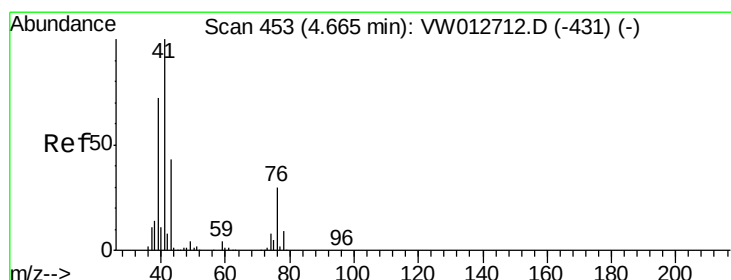
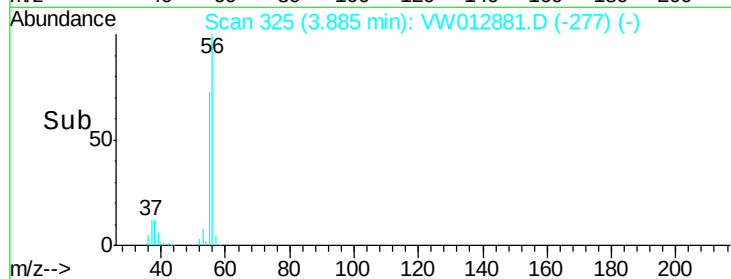
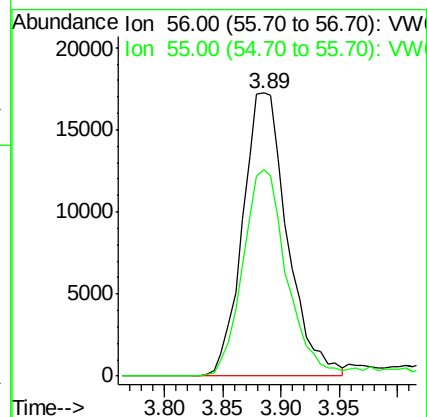
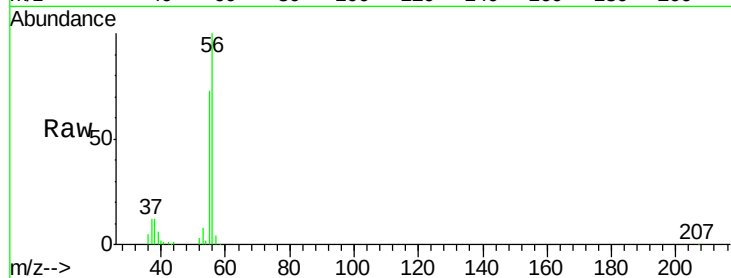
55 71.6 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#14

Allyl chloride

Concen: 45.673 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

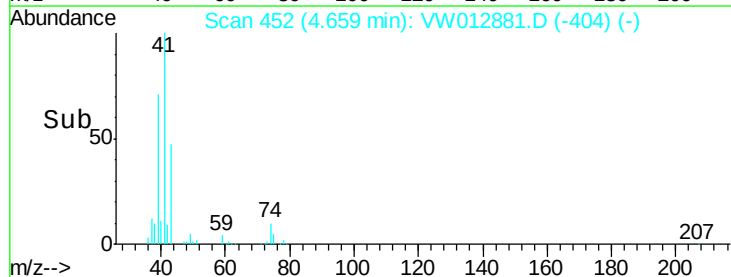
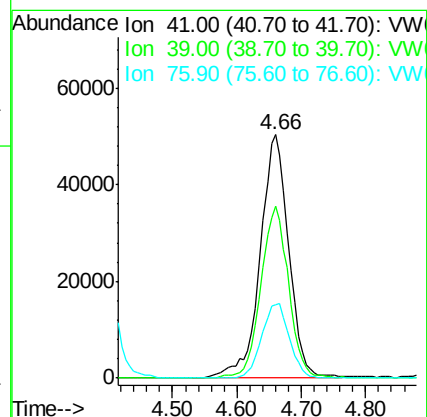
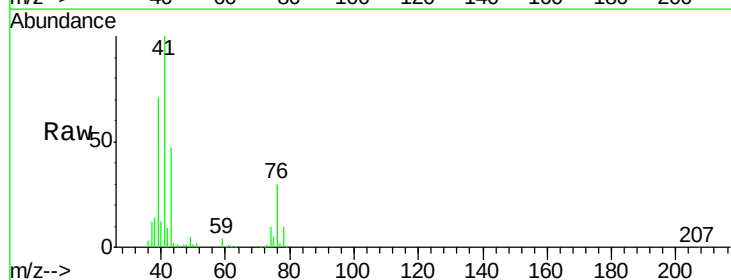
Tgt Ion: 41 Resp: 153852

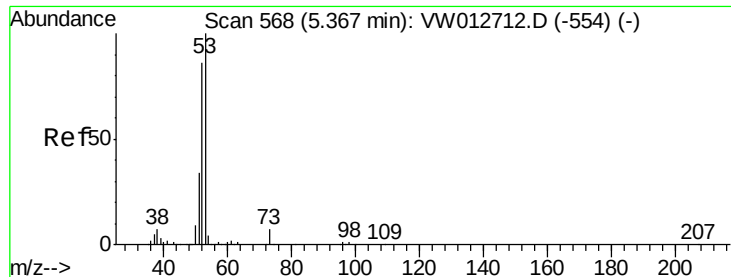
Ion Ratio Lower Upper

41 100

39 68.5 55.0 82.6

76 29.6 23.0 34.4





#15

Acrylonitrile

Concen: 258.904 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

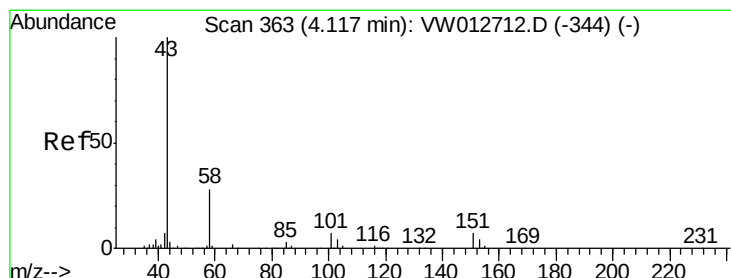
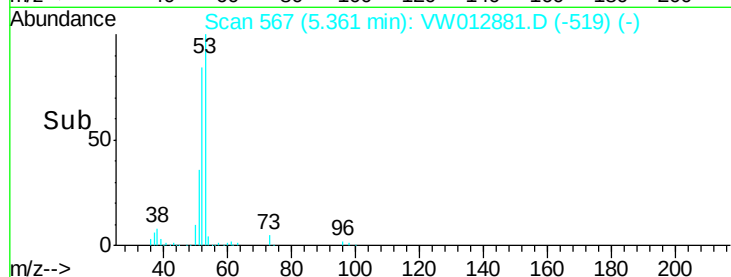
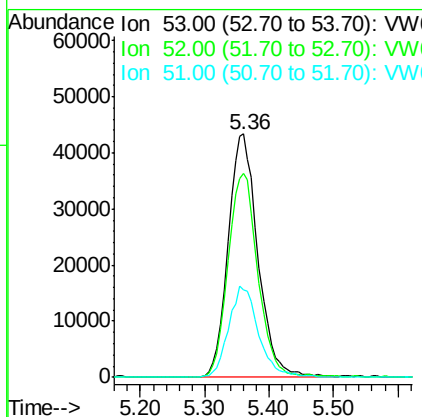
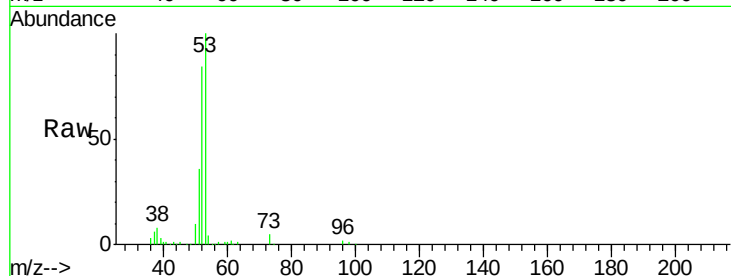
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	139706
Ion Ratio	Lower	Upper	
53	100		
52	84.3	67.0	100.4
51	37.9	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#16

Acetone

Concen: 218.177 ug/l

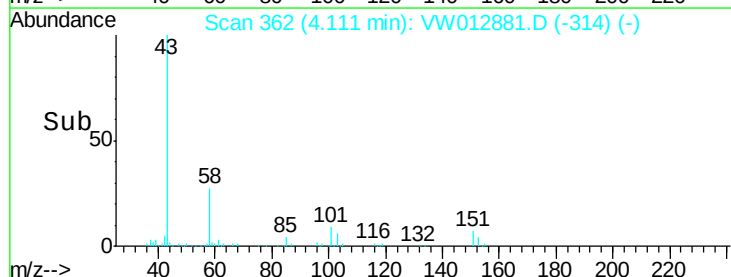
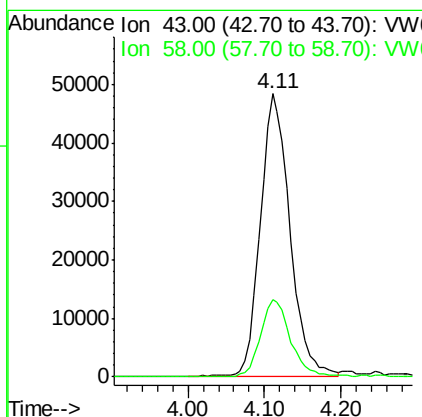
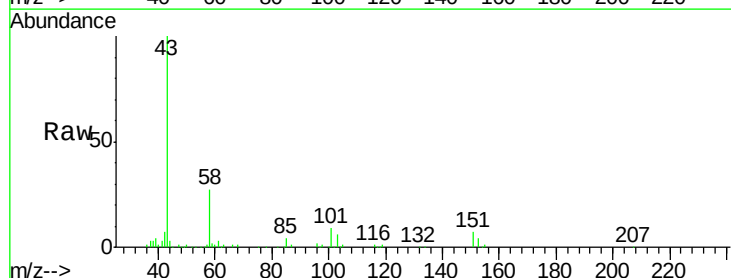
RT: 4.11 min Scan# 362

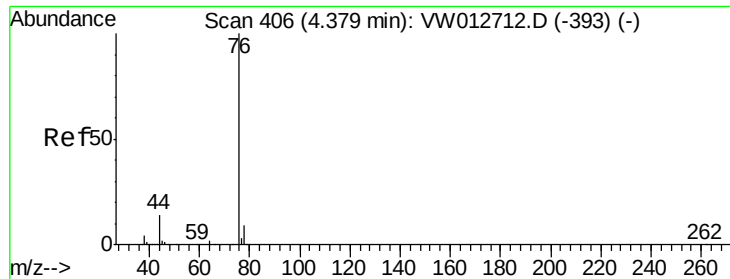
Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	43	Resp:	131044
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.6	33.8





#17

Carbon Disulfide

Concen: 44.040 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 152222

Ion Ratio Lower Upper

76 100

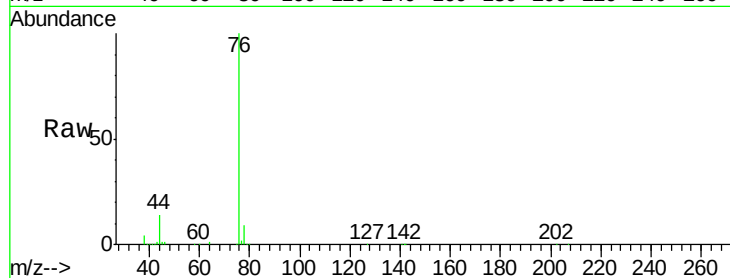
78 8.8 7.2 10.8

Manual Integrations

APPROVED

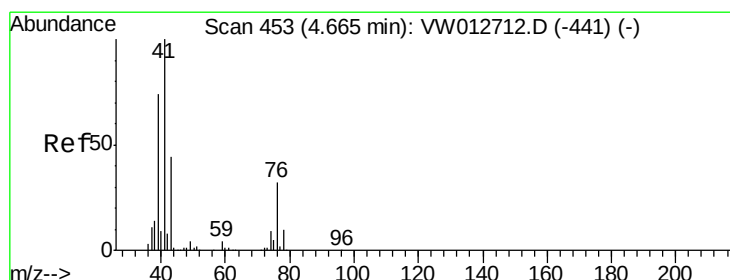
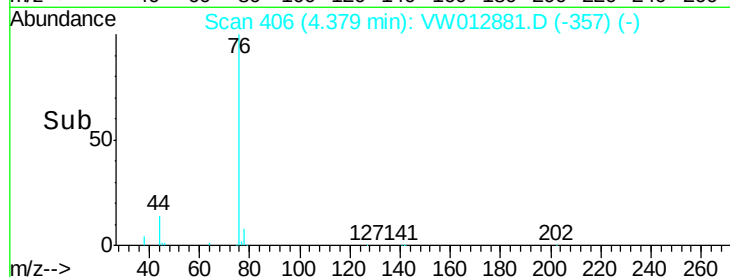
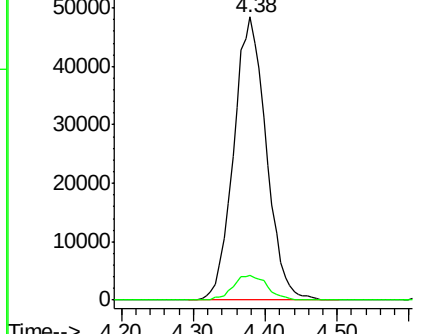
MMDadoda

9/11/2019 9:26:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 50.698 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012881.D

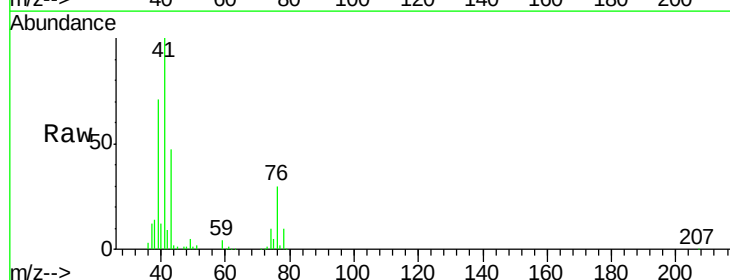
Acq: 10 Sep 2019 19:50

Tgt Ion: 43 Resp: 71443

Ion Ratio Lower Upper

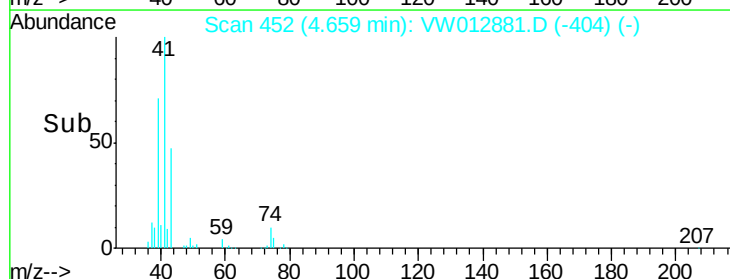
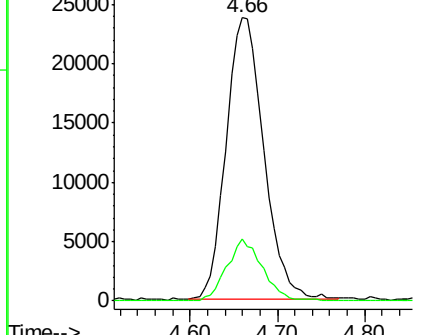
43 100

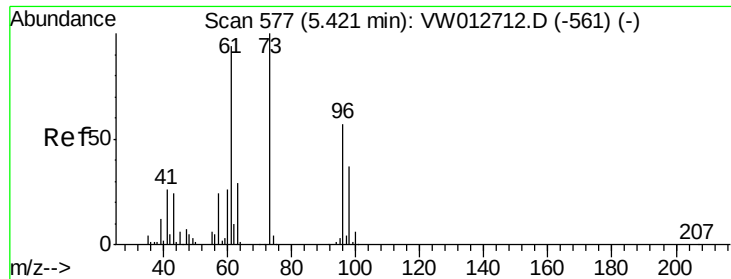
74 20.6 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





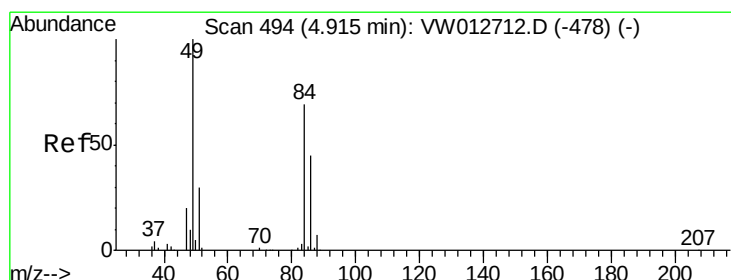
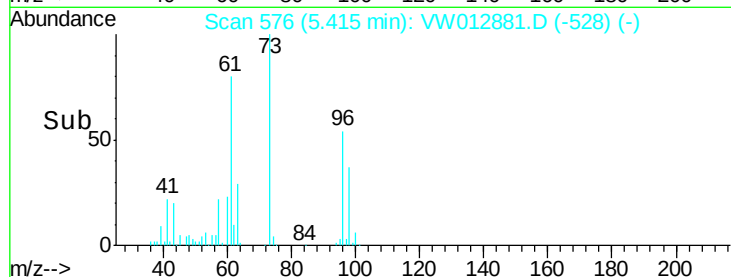
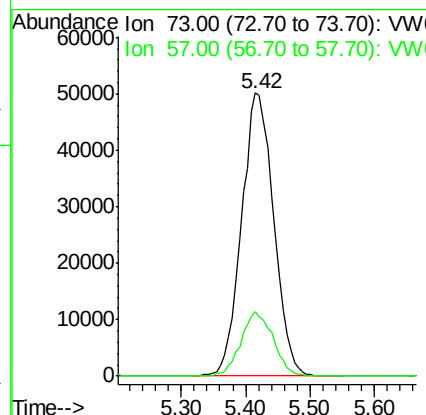
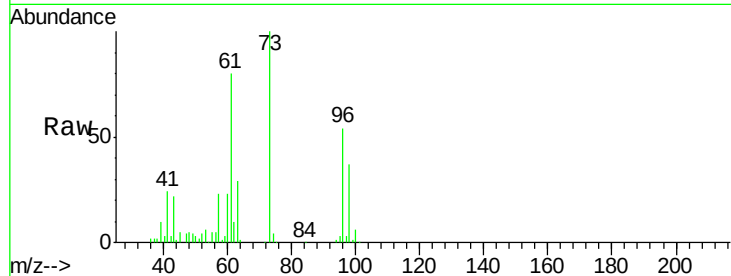
#19
Methyl tert-butyl Ether
Concen: 53.483 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 172719
Ion Ratio Lower Upper
73 100
57 22.7 19.2 28.8

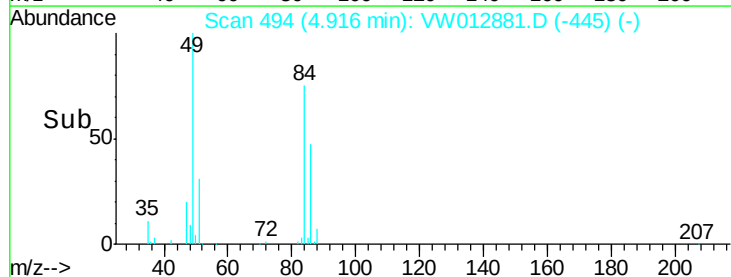
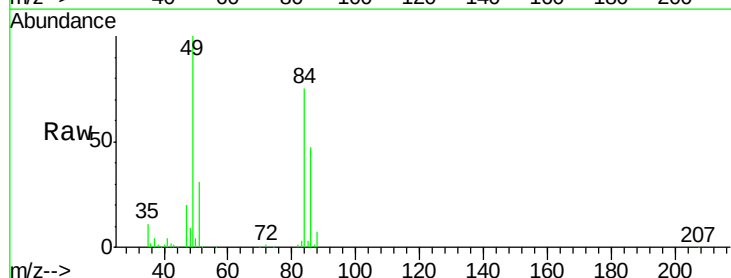
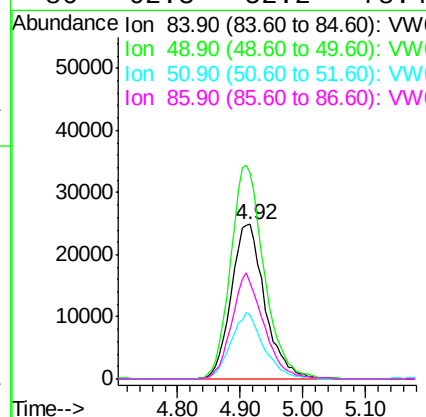
Manual Integrations
APPROVED

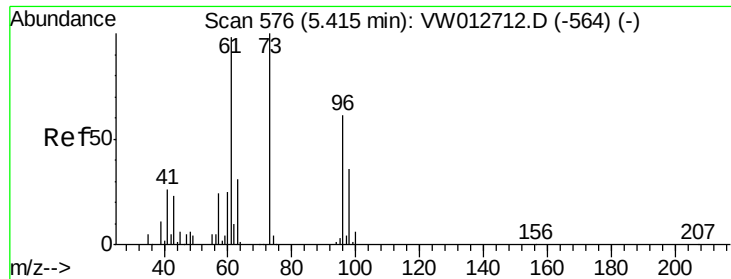
MMDadoda
9/11/2019 9:26:41 AM



#20
Methylene Chloride
Concen: 49.295 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion: 84 Resp: 92629
Ion Ratio Lower Upper
84 100
49 133.6 115.4 173.0
51 41.6 34.9 52.3
86 62.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 49.870 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

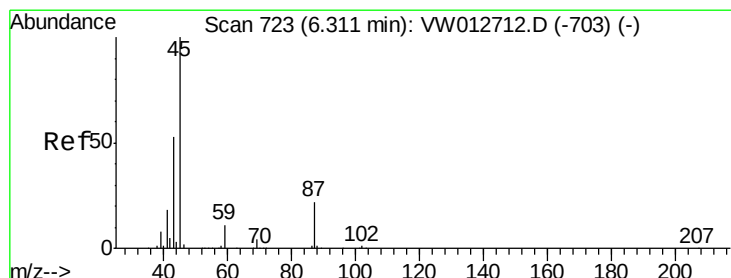
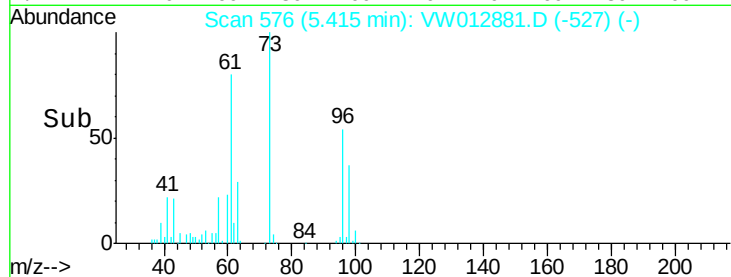
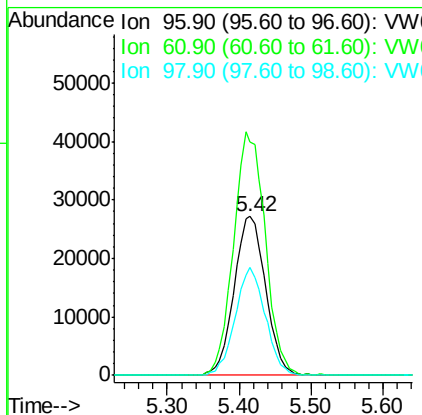
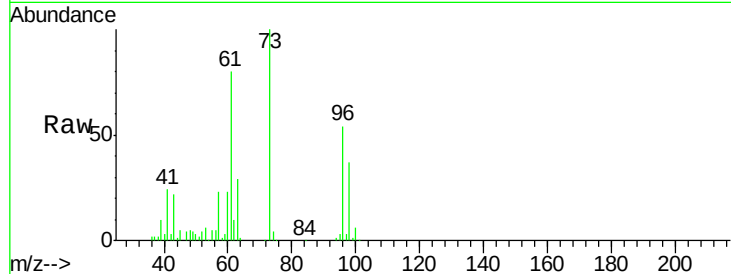
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	82861
Ion	Ratio	Lower	Upper
96	100		
61	147.3	129.2	193.8
98	67.7	48.0	72.0

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#22

Diisopropyl ether

Concen: 50.329 ug/l

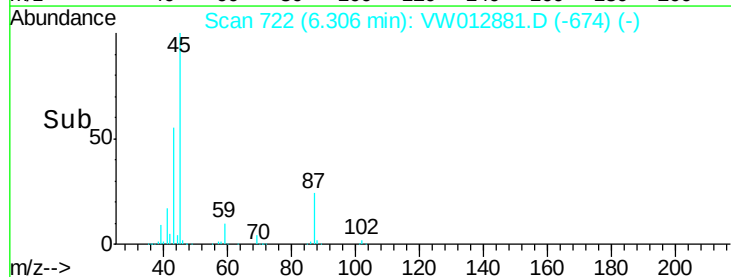
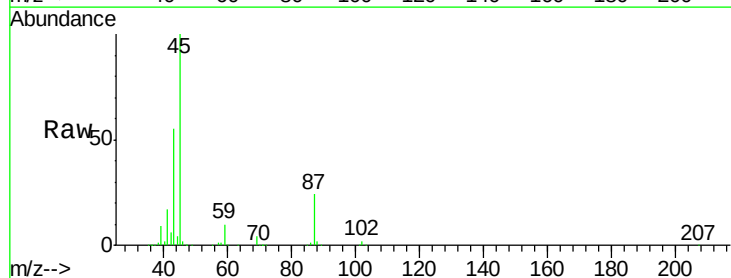
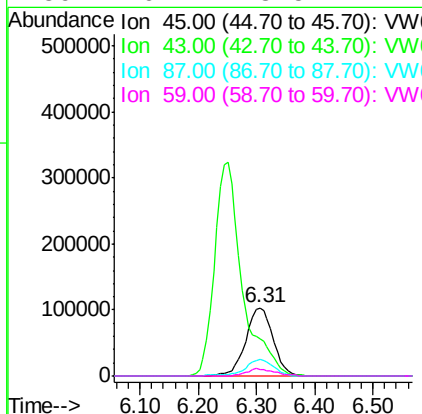
RT: 6.31 min Scan# 722

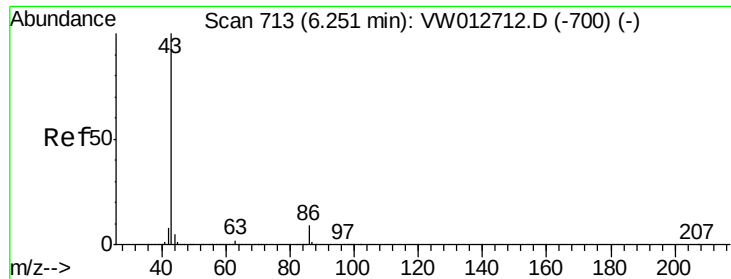
Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	45	Resp:	336251
Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.3	63.5
87	24.3	18.2	27.2
59	10.2	8.5	12.7





#23

Vinyl Acetate

Concen: 251.976 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1066884

Ion Ratio Lower Upper

43 100

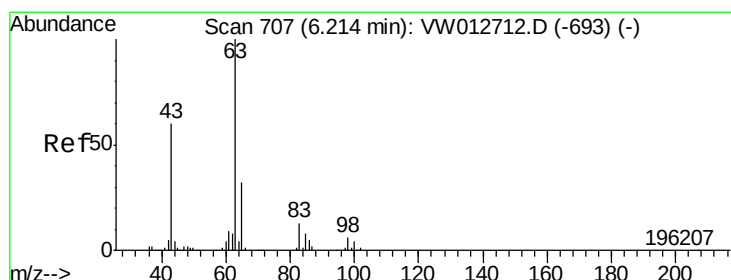
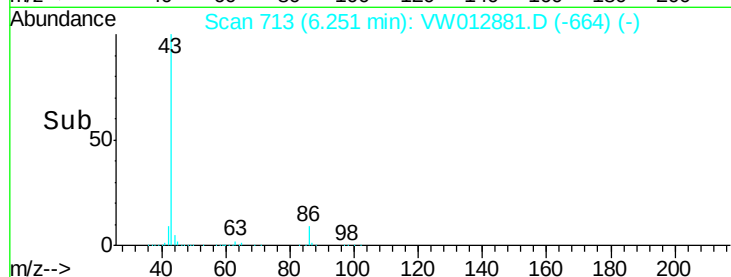
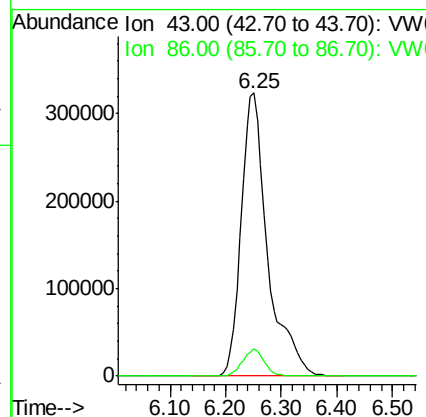
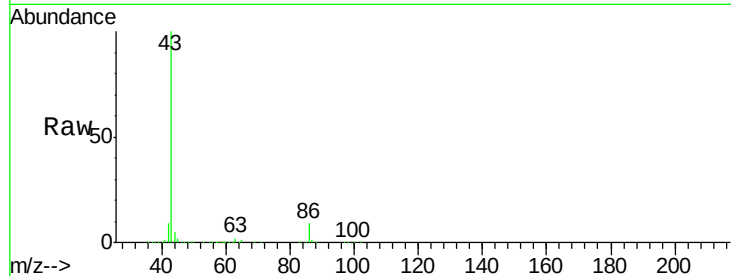
86 9.5 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#24

1,1-Dichloroethane

Concen: 49.975 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

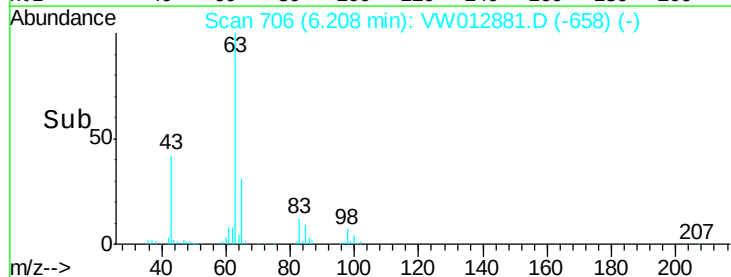
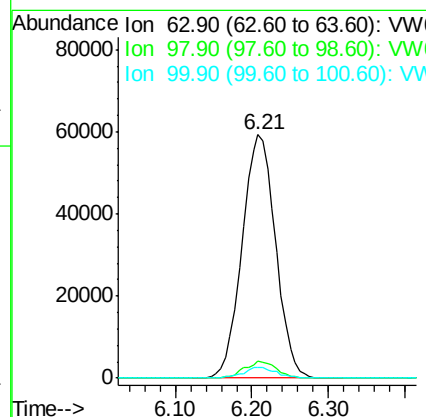
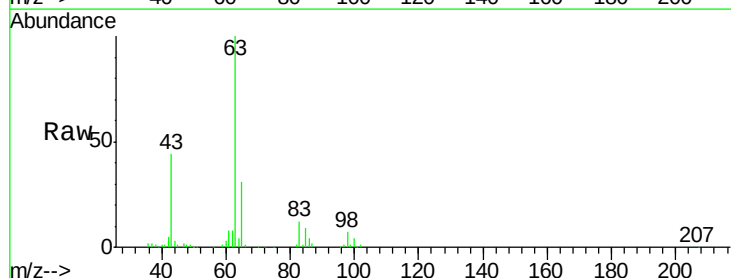
Tgt Ion: 63 Resp: 179777

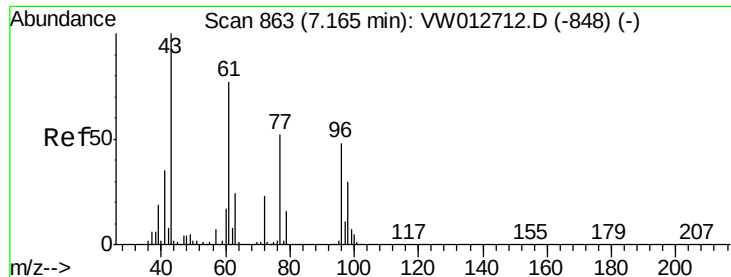
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 223.230 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 195397

Ion Ratio Lower Upper

43 100

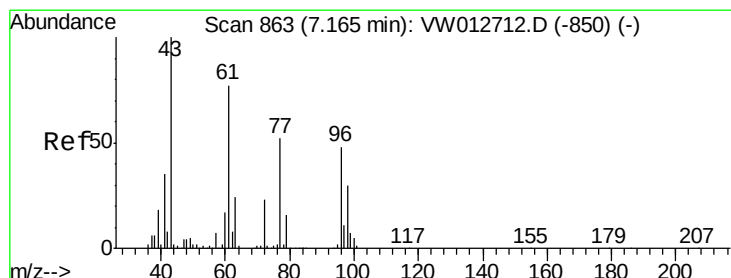
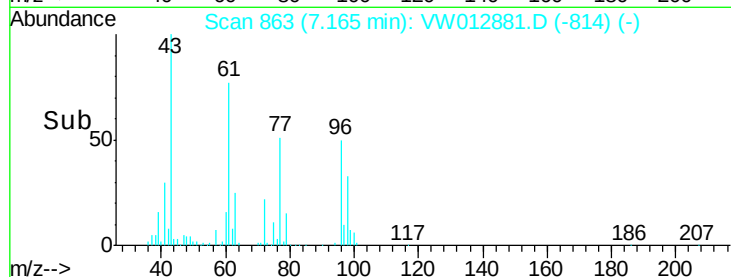
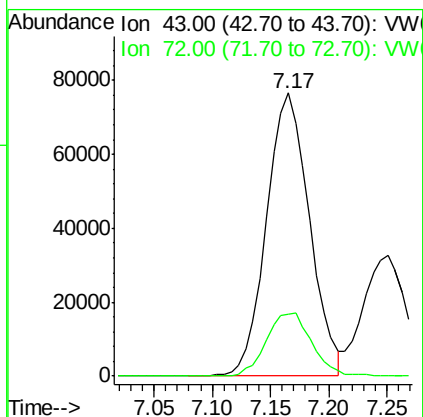
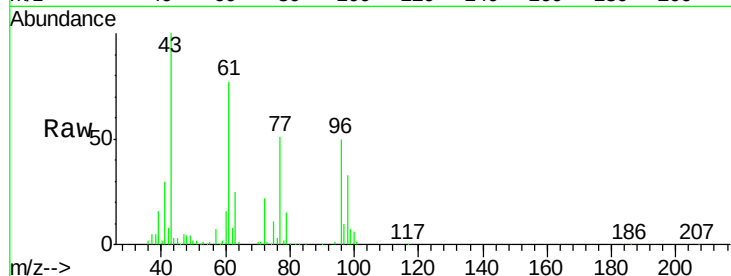
72 21.9 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#26

2,2-Dichloropropane

Concen: 48.474 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012881.D

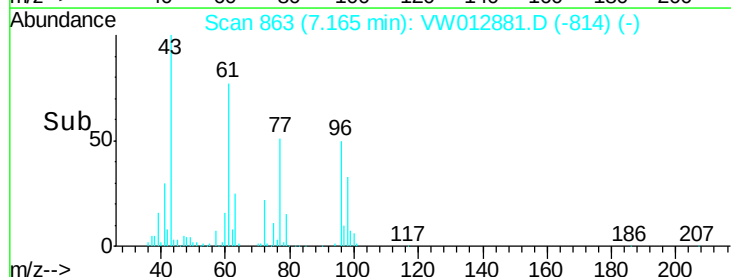
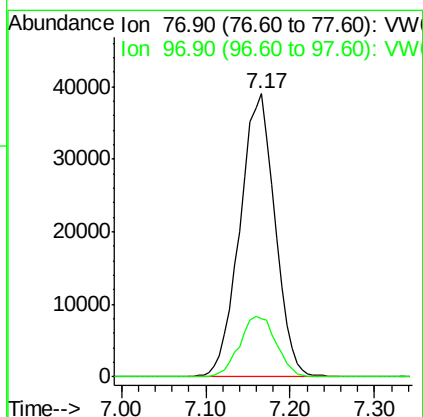
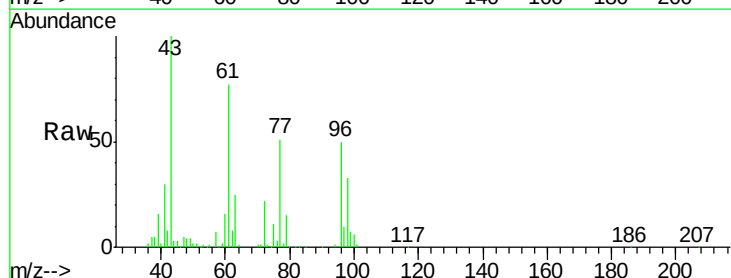
Acq: 10 Sep 2019 19:50

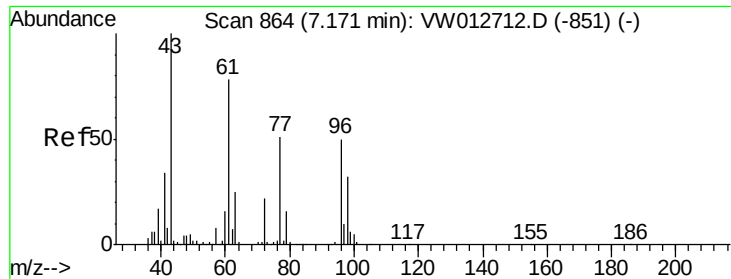
Tgt Ion: 77 Resp: 110136

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





#27

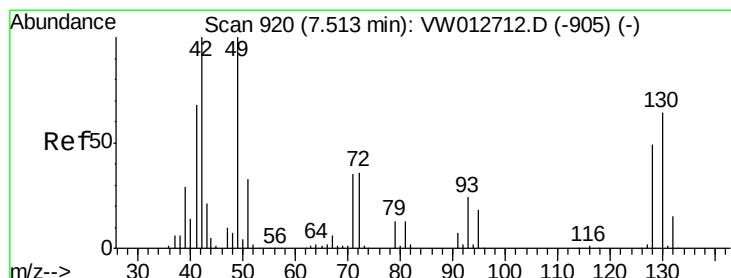
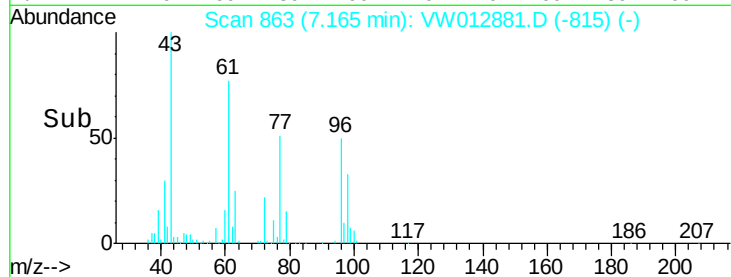
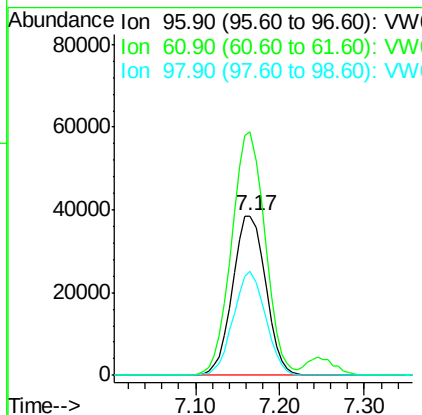
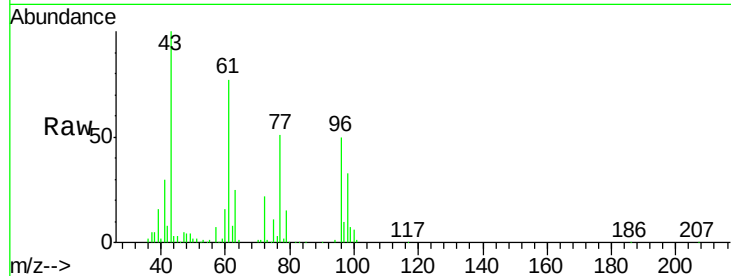
cis-1,2-Dichloroethene
Concen: 53.533 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	325.8
98	63.3	0.0	127.0

Manual Integrations
APPROVED

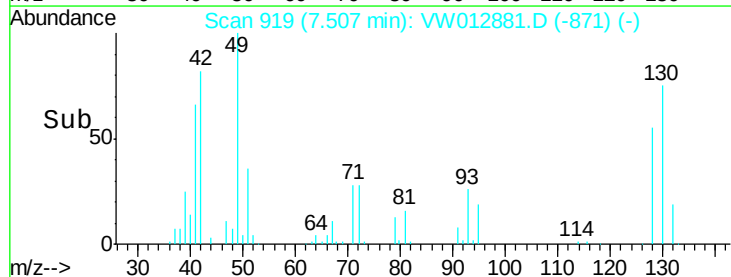
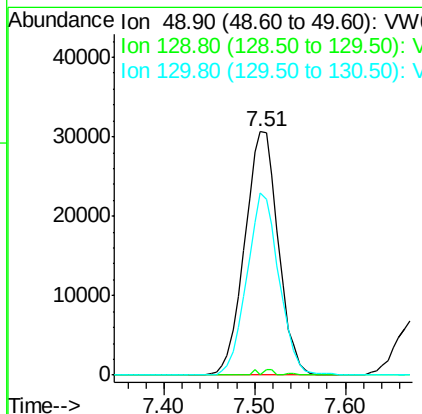
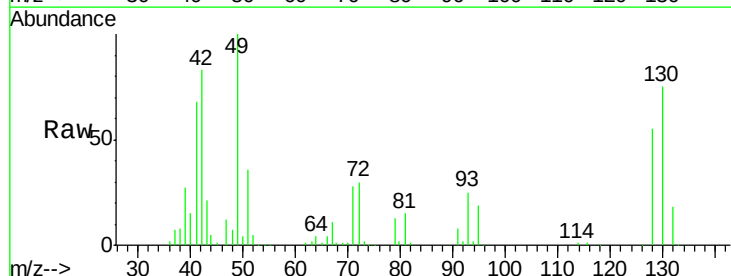
MMDadoda
9/11/2019 9:26:41 AM

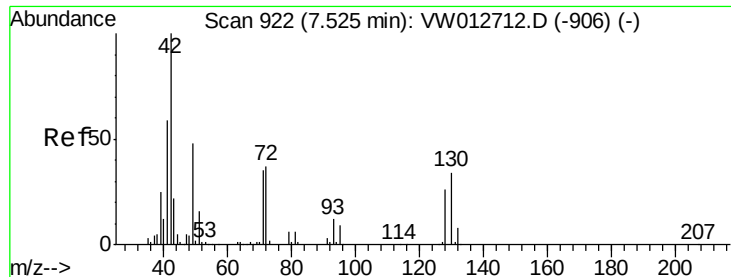


#28

Bromochloromethane
Concen: 47.336 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	0.8#
130	71.8	49.8	74.8





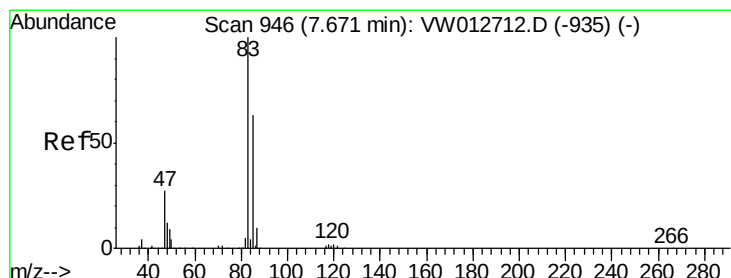
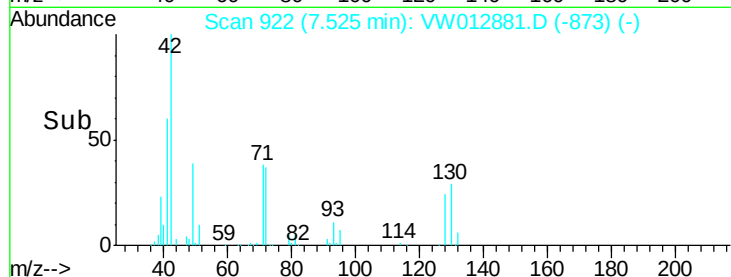
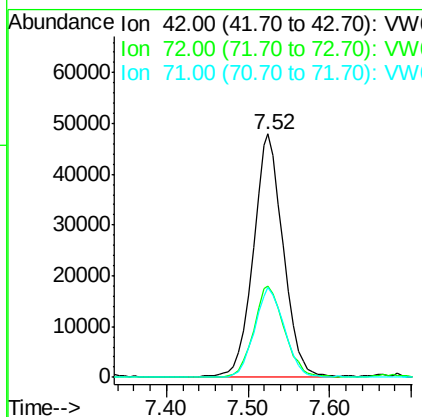
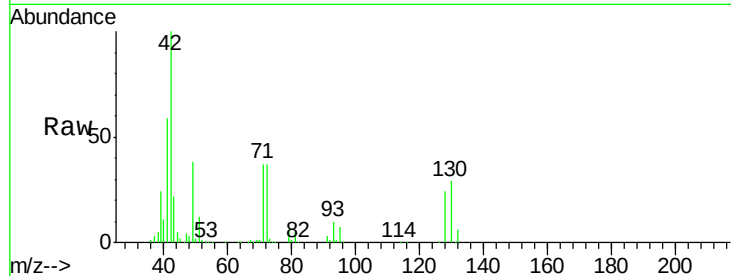
#29
Tetrahydrofuran
Concen: 252.724 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	28.4	42.6
71	36.8	27.1	40.7

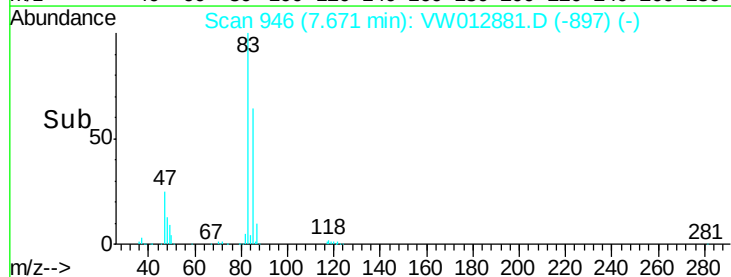
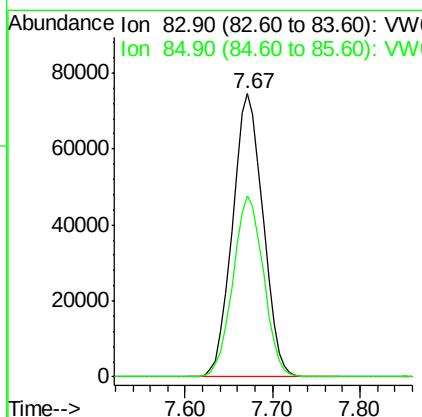
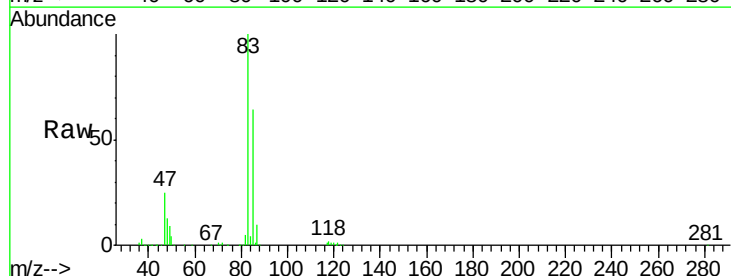
Manual Integrations
APPROVED

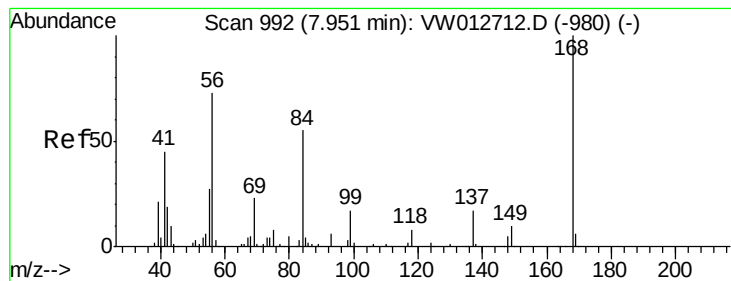
MMDadoda
9/11/2019 9:26:41 AM



#30
Chloroform
Concen: 50.779 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0





#31

Cyclohexane

Concen: 44.132 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

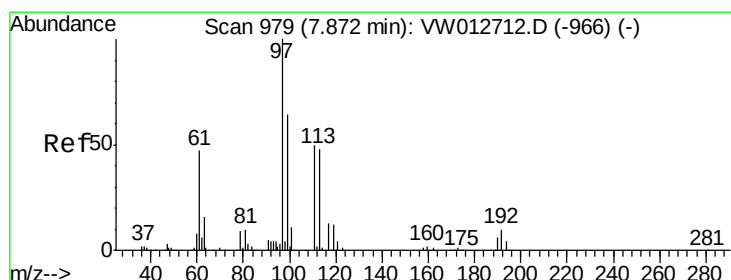
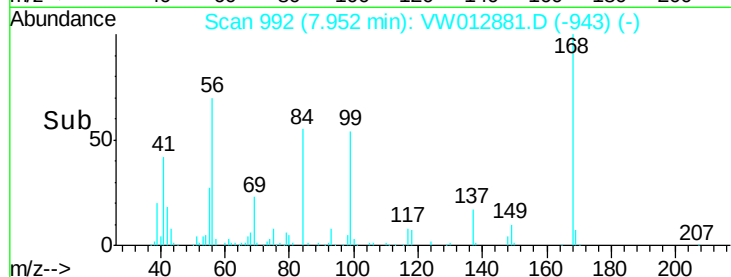
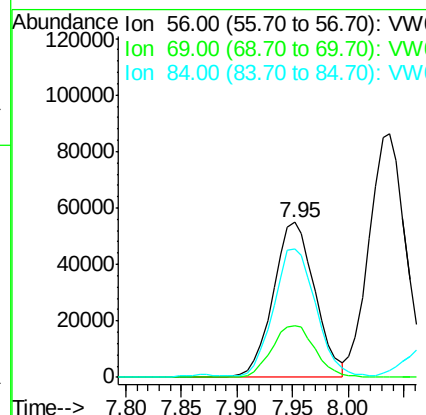
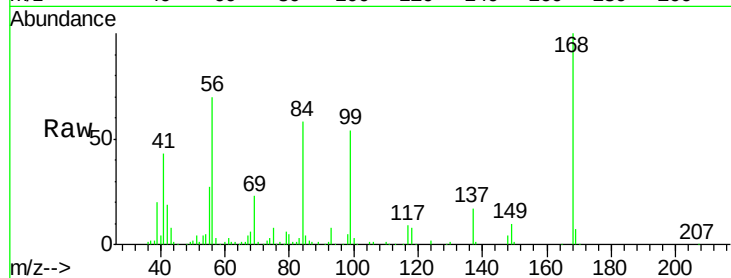
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	142925
Ion Ratio	Lower	Upper	
56	100		
69	33.7	25.7	38.5
84	81.8	60.4	90.6

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#32

1,1,1-Trichloroethane

Concen: 50.829 ug/l

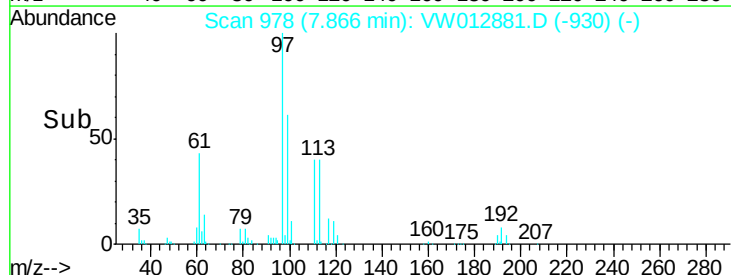
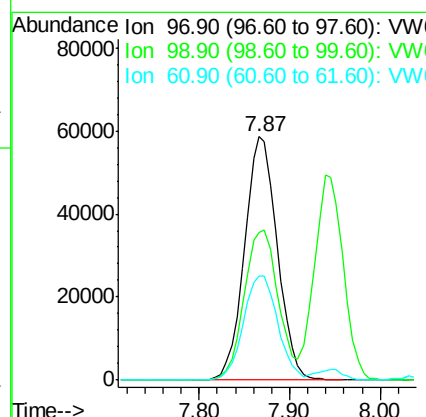
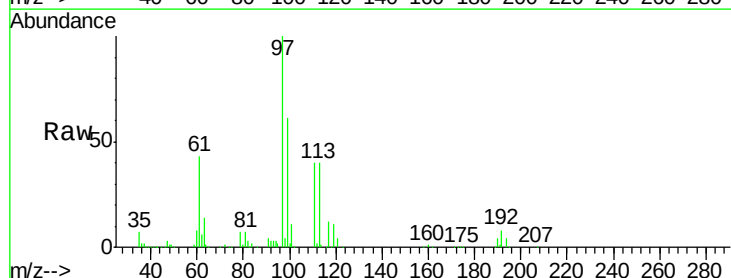
RT: 7.87 min Scan# 978

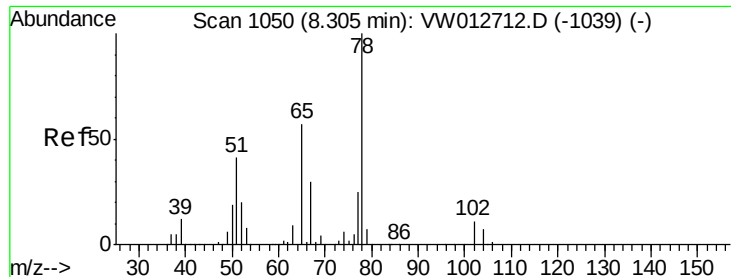
Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	97	Resp:	146891
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.5	77.3
61	44.9	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 47.818 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 105352

Ion Ratio Lower Upper

65 100

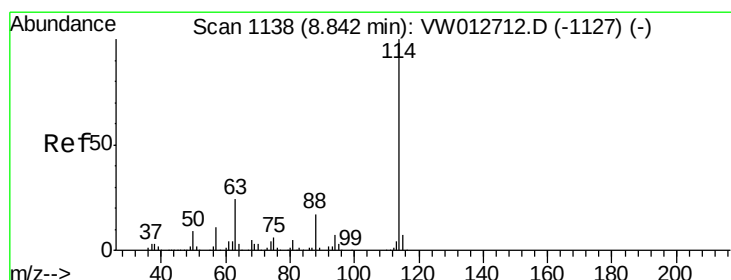
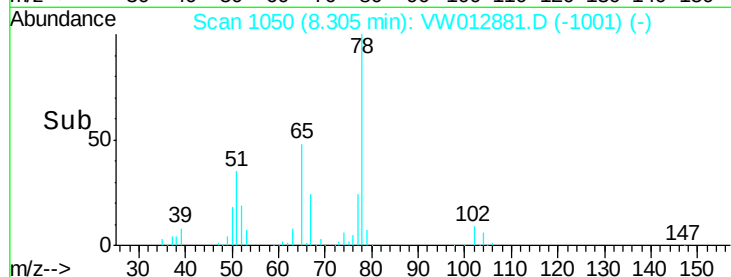
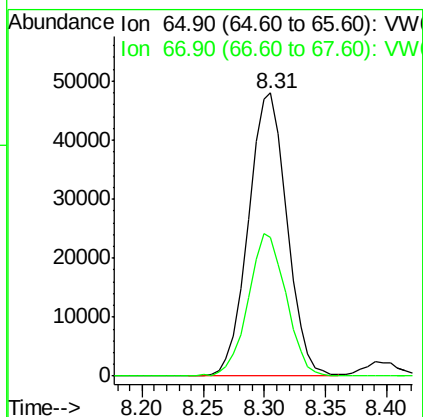
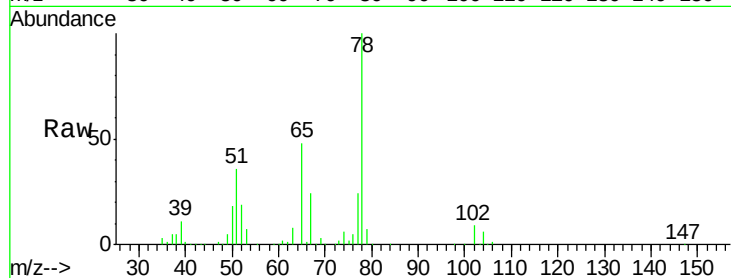
67 49.7 0.0 101.8

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

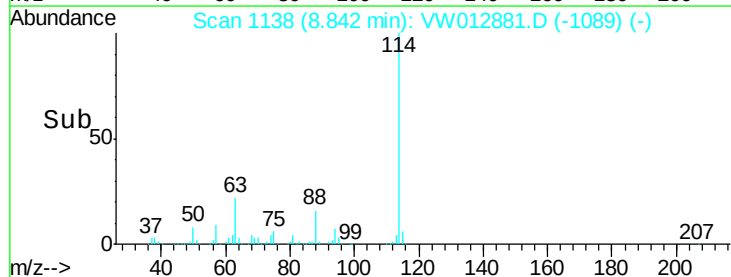
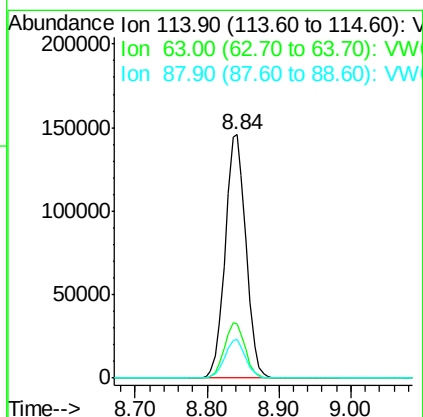
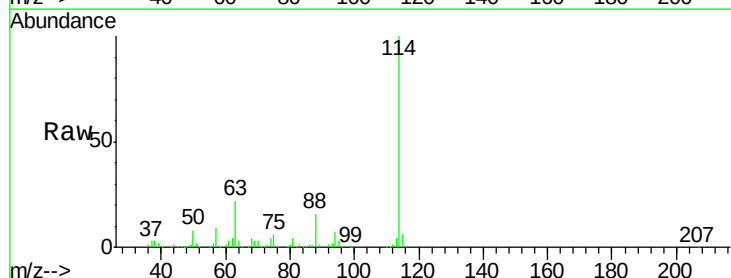
Tgt Ion: 114 Resp: 291748

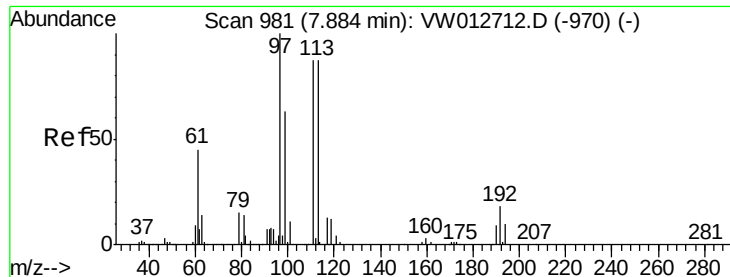
Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.2

88 16.0 0.0 34.0





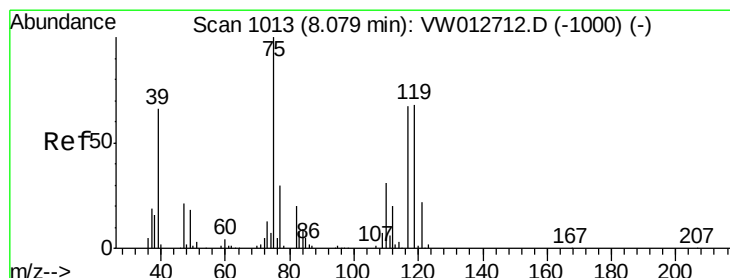
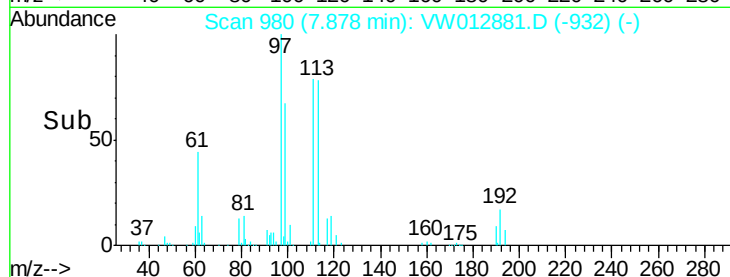
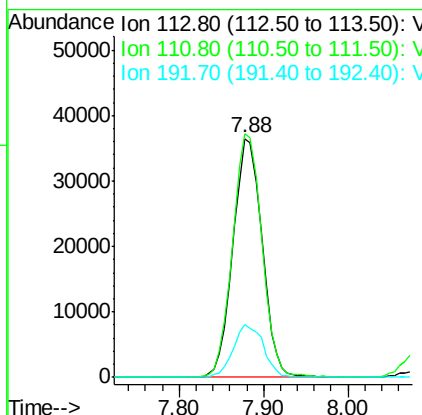
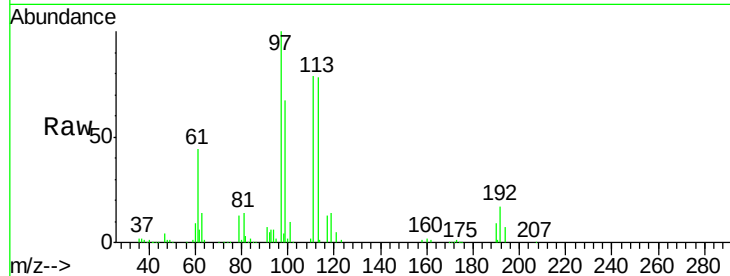
#35
Dibromofluoromethane
Concen: 49.111 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85185		
111	102.8		80.2	120.4
192	22.6		17.3	25.9

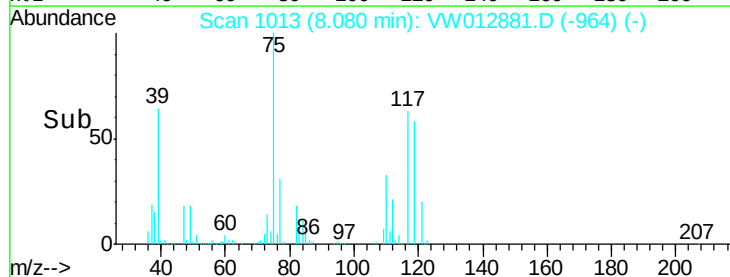
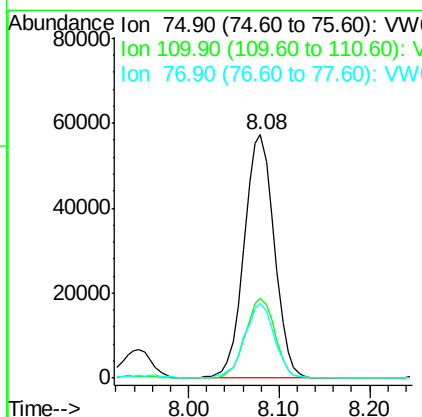
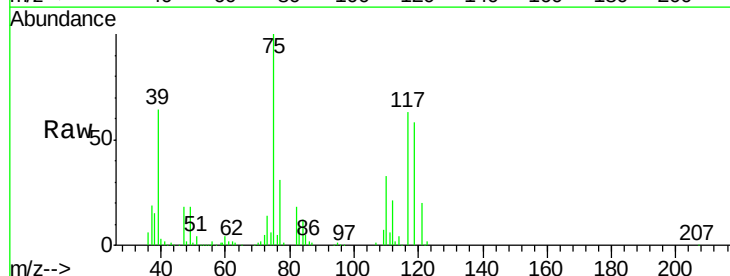
Manual Integrations
APPROVED

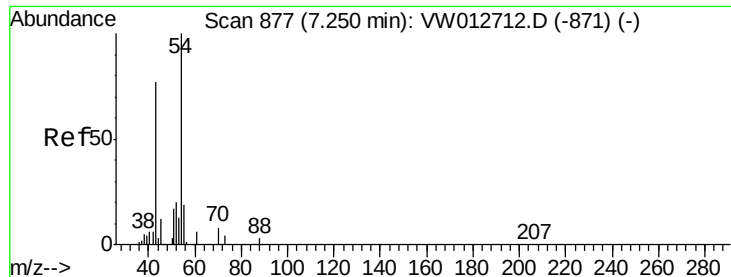
MMDadoda
9/11/2019 9:26:41 AM



#36
1,1-Dichloropropene
Concen: 50.899 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131943		
110	32.4		15.9	47.7
77	30.6		25.0	37.4





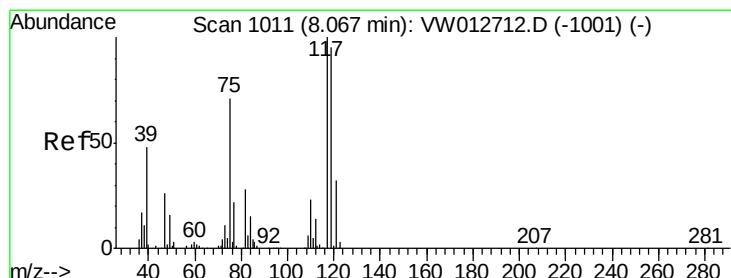
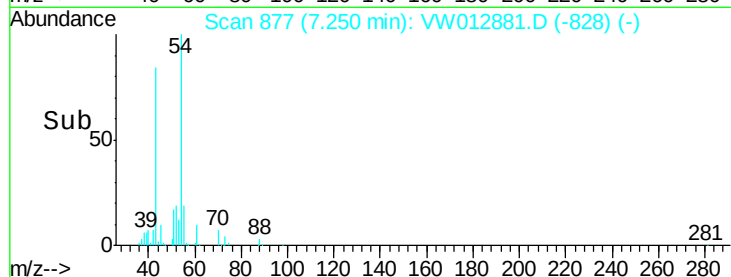
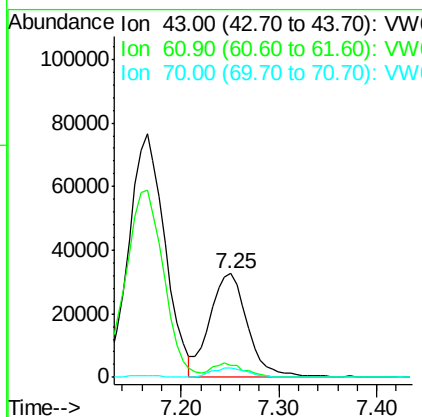
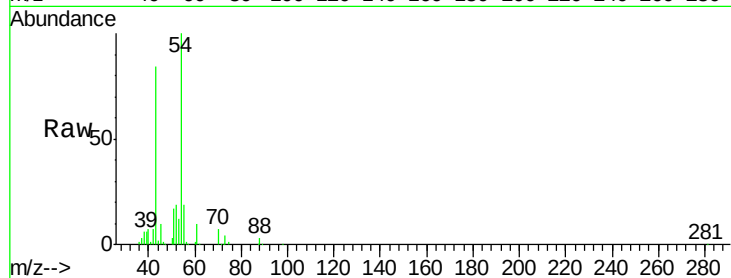
#37
Ethyl Acetate
Concen: 52.352 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.5	14.3
70	9.1	7.0	10.6

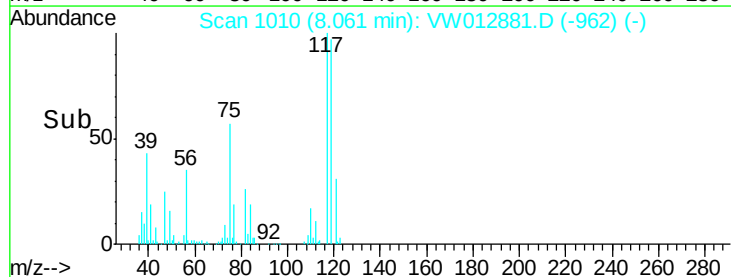
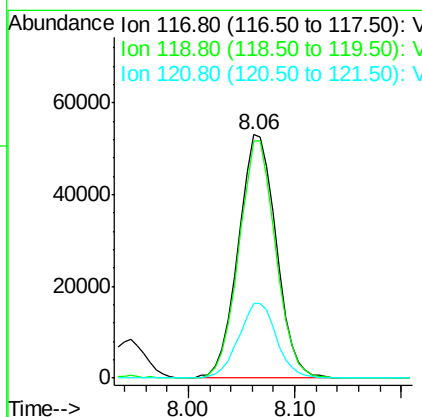
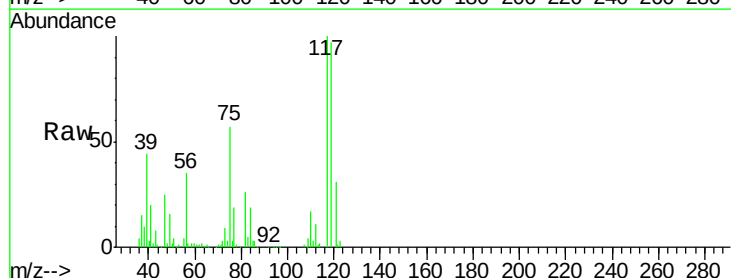
Manual Integrations
APPROVED

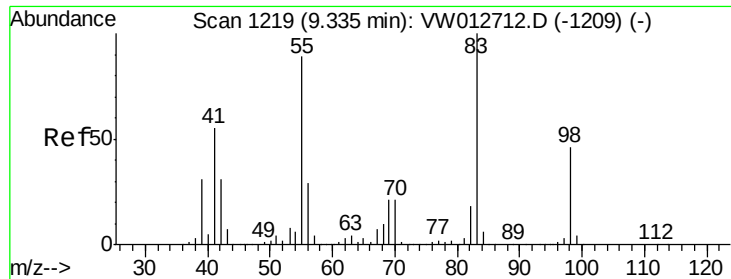
MMDadoda
9/11/2019 9:26:41 AM



#38
Carbon Tetrachloride
Concen: 51.945 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.2
121	30.8	25.4	38.2





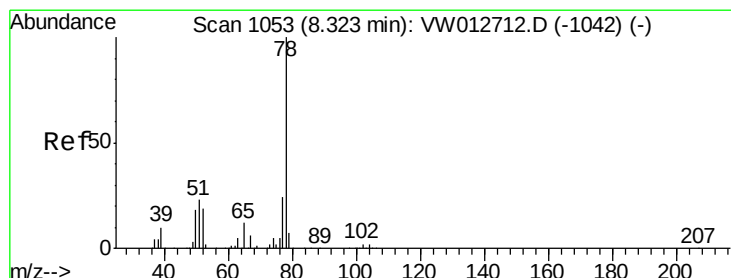
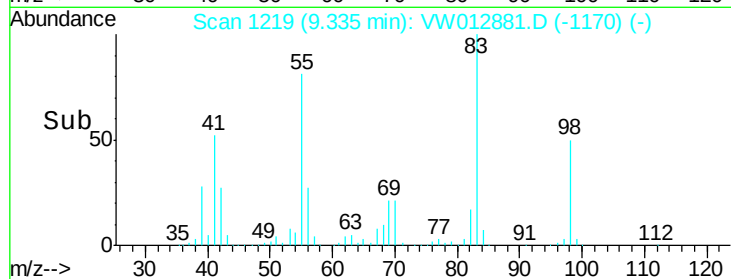
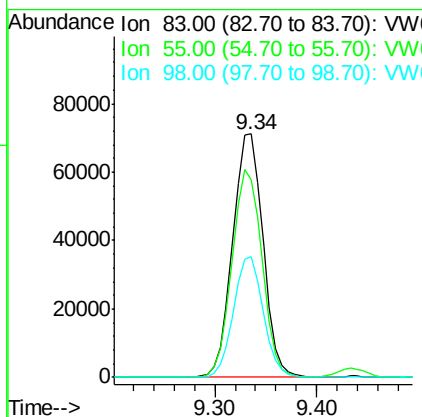
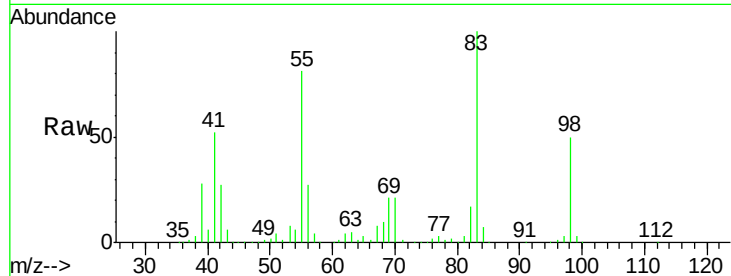
#39
Methylvlcyclohexane
Concen: 50.493 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	147007
Ion Ratio	100	Lower	Upper
83	100		
55	80.9	71.0	106.4
98	49.5	36.9	55.3

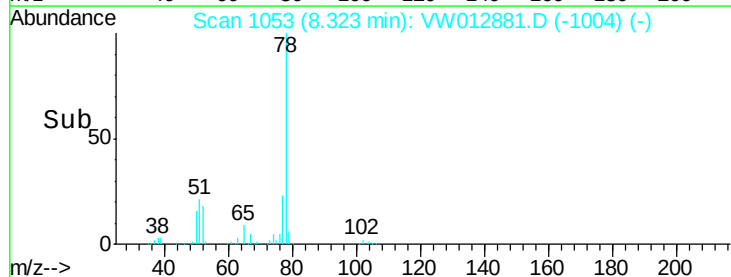
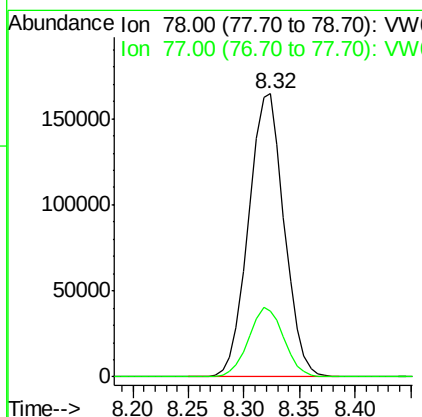
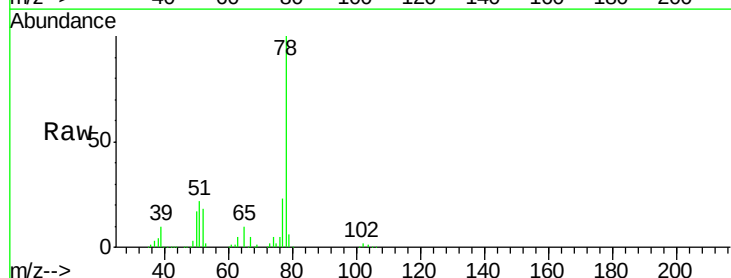
Manual Integrations
APPROVED

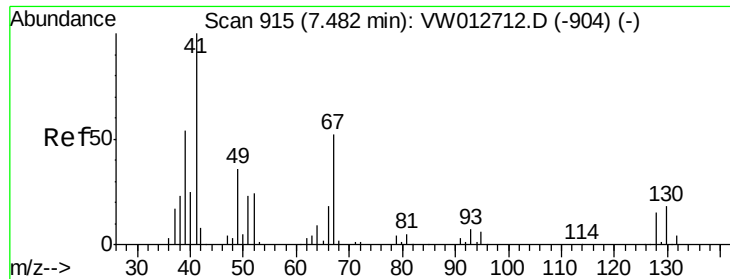
MMDadoda
9/11/2019 9:26:41 AM



#40
Benzene
Concen: 51.044 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	78	Resp	367122
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	19.3	28.9





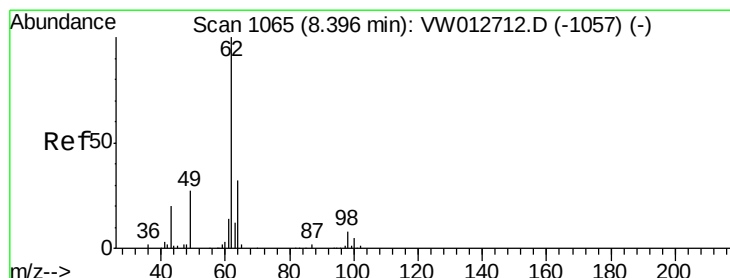
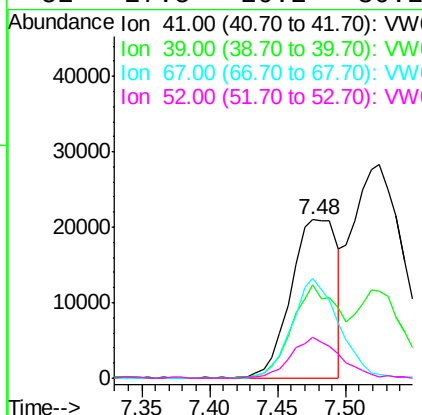
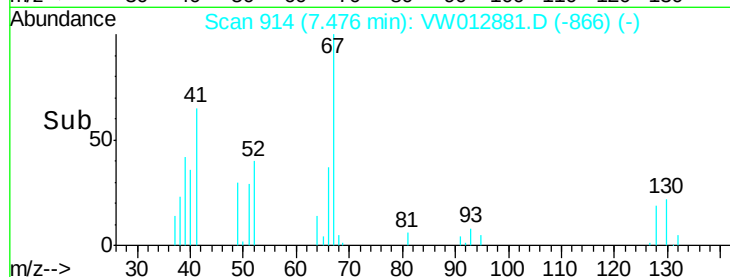
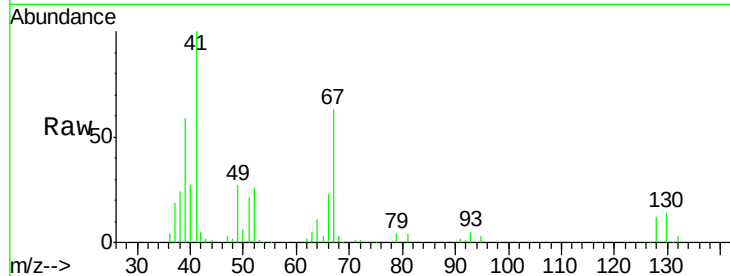
#41
Methacrylonitrile
Concen: 44.687 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	49702
Ion	Ratio	Lower	Upper
41	100		
39	59.6	47.5	71.3
67	64.5	45.1	67.7
52	27.5	20.2	30.2

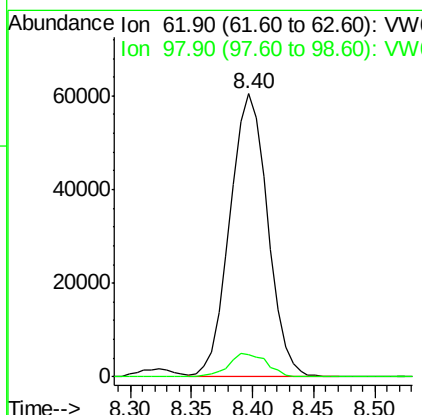
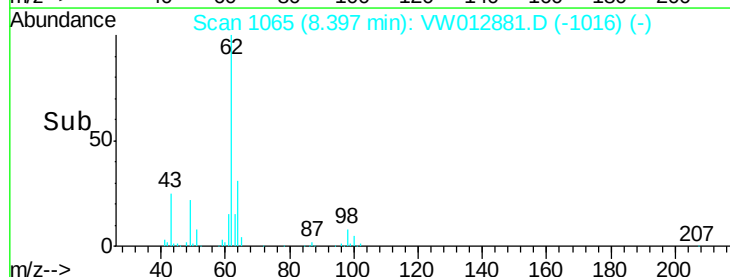
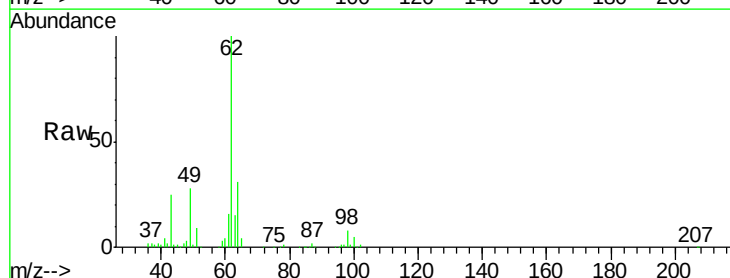
Manual Integrations
APPROVED

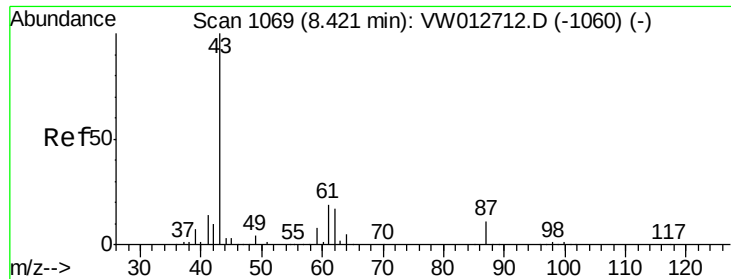
MMDadoda
9/11/2019 9:26:41 AM



#42
1,2-Dichloroethane
Concen: 50.936 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	62	Resp	128930
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.055 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

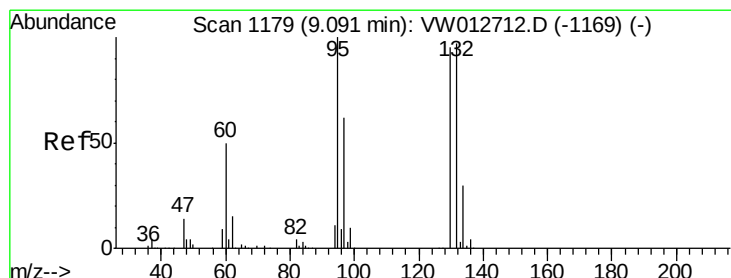
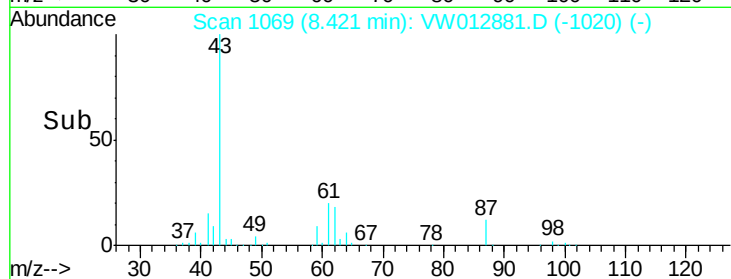
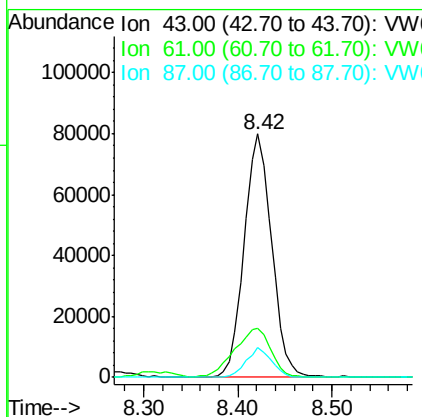
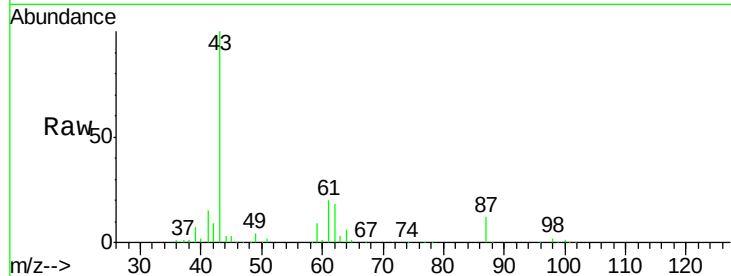
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	162971
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.6	30.8
87	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#44

Trichloroethene

Concen: 53.423 ug/l

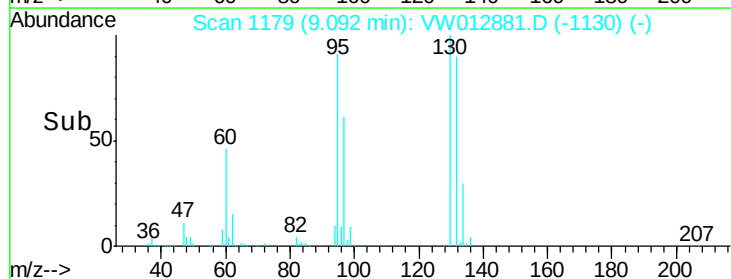
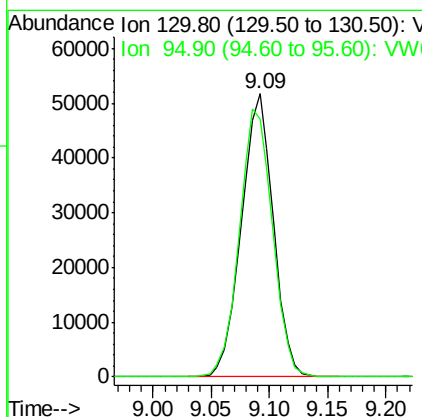
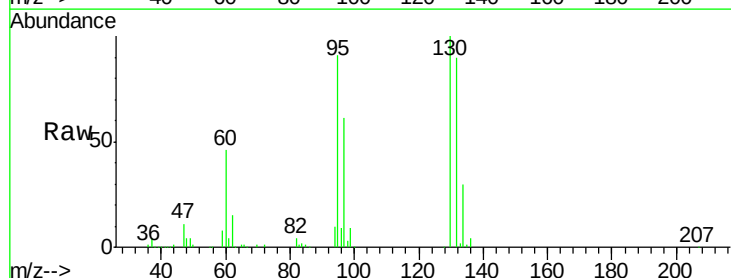
RT: 9.09 min Scan# 1179

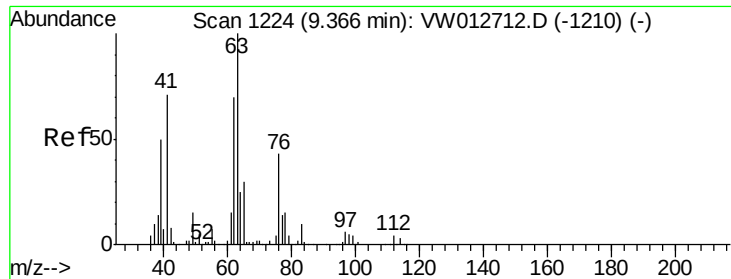
Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	130	Resp:	99043
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	210.6





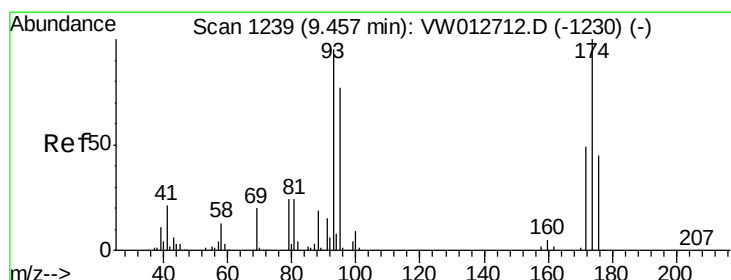
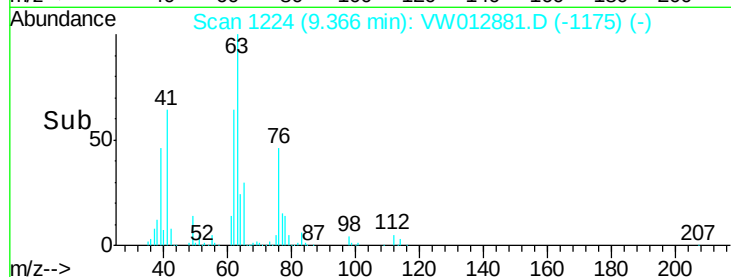
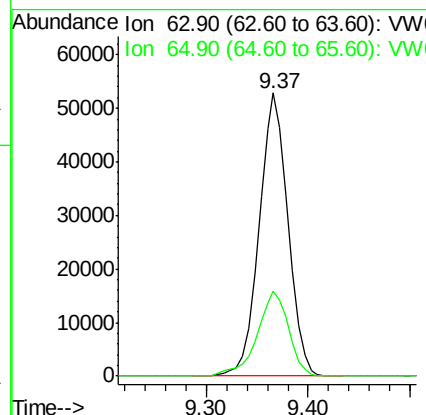
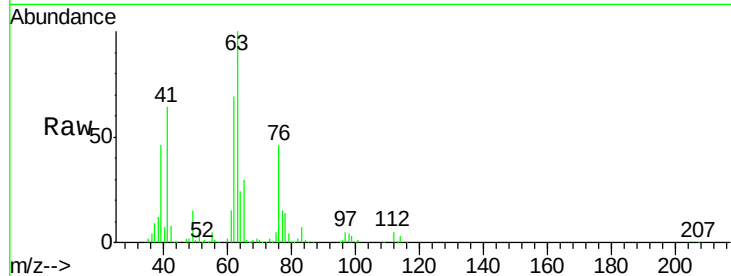
#45
 1,2-Dichloropropane
 Concen: 51.967 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 103664
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.8 35.8

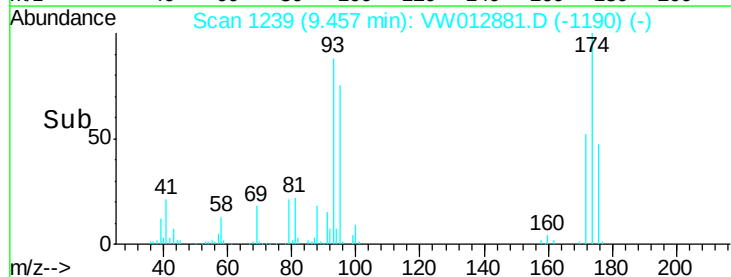
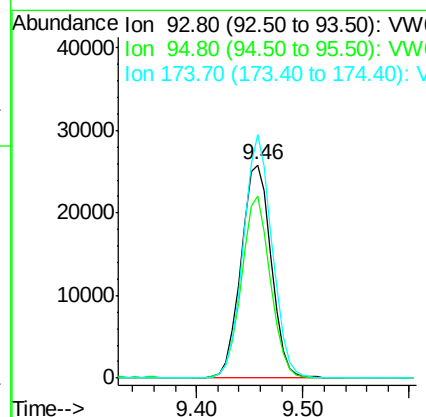
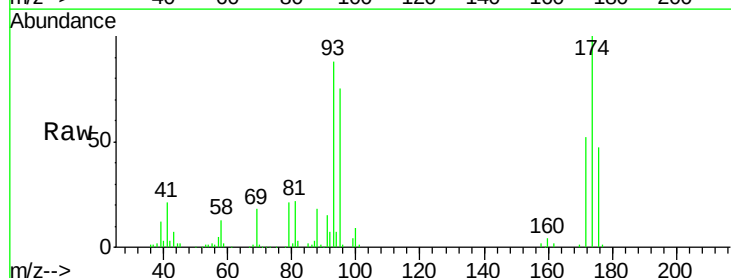
Manual Integrations
 APPROVED

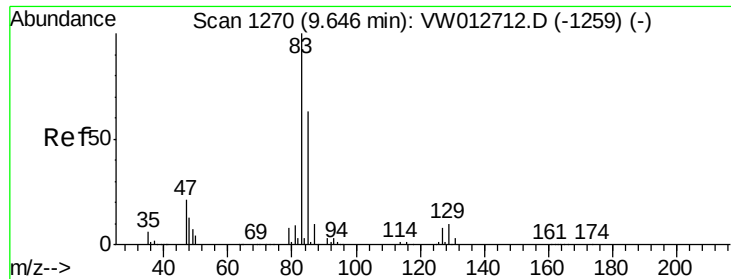
MMDadoda
 9/11/2019 9:26:41 AM



#46
 Dibromomethane
 Concen: 54.598 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion: 93 Resp: 51574
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.2 97.8
 174 108.7 84.2 126.4





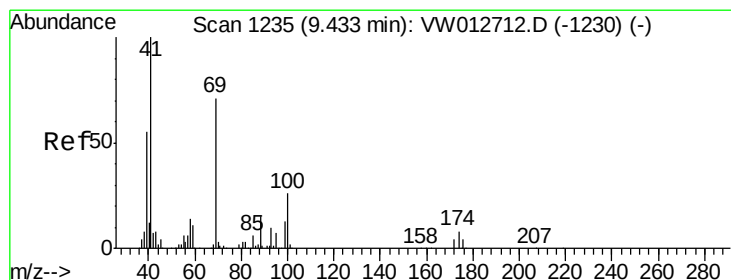
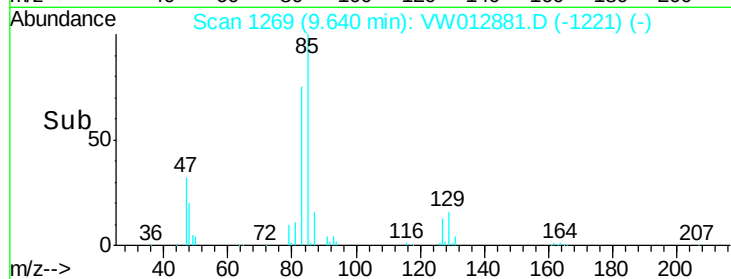
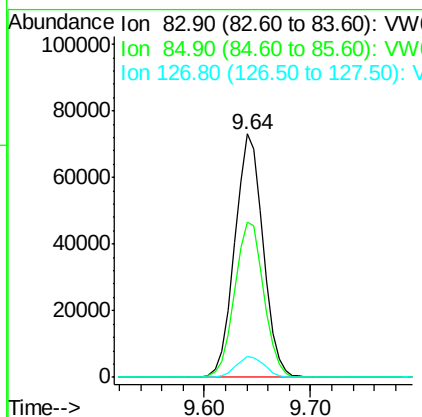
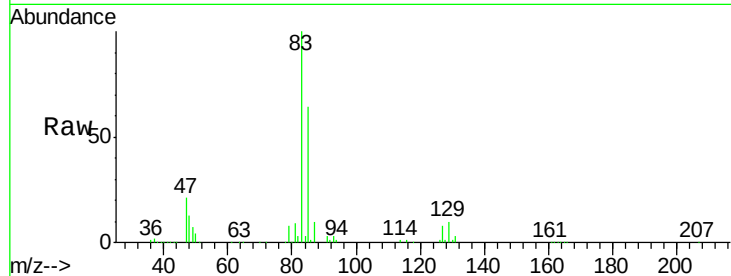
#47
Bromodichloromethane
Concen: 52.642 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136808		
85	63.8	50.2	75.2	
127	8.5	6.6	9.8	

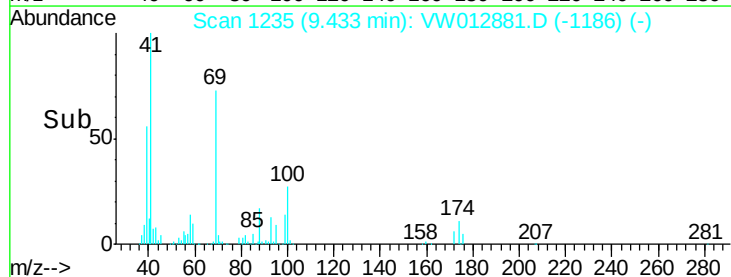
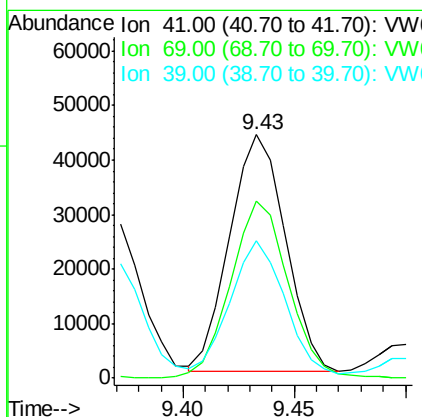
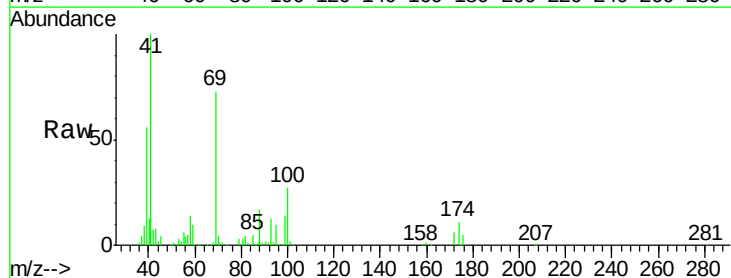
Manual Integrations
APPROVED

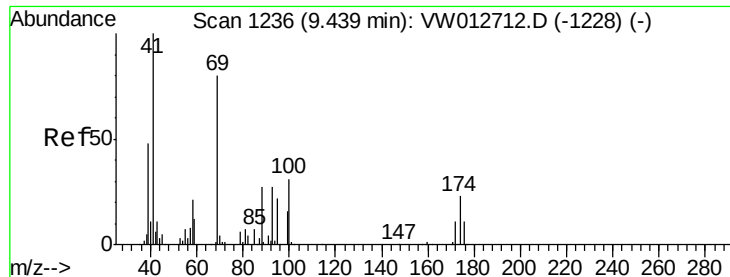
MMDadoda
9/11/2019 9:26:41 AM



#48
Methyl methacrylate
Concen: 50.374 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	75368		
69	78.0	59.8	89.8	
39	58.8	47.0	70.6	





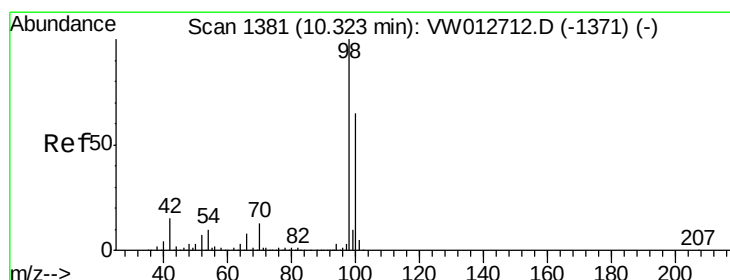
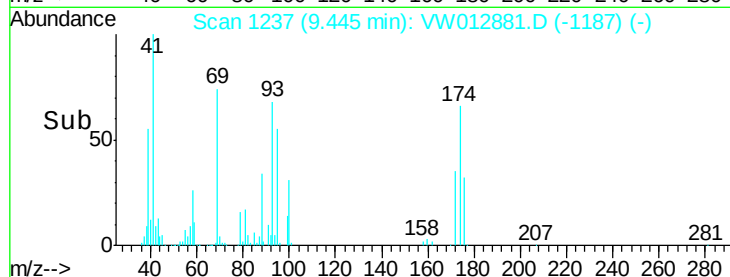
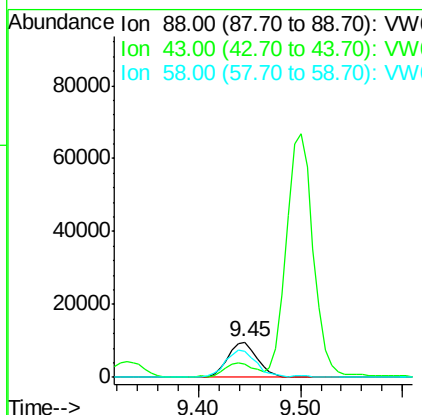
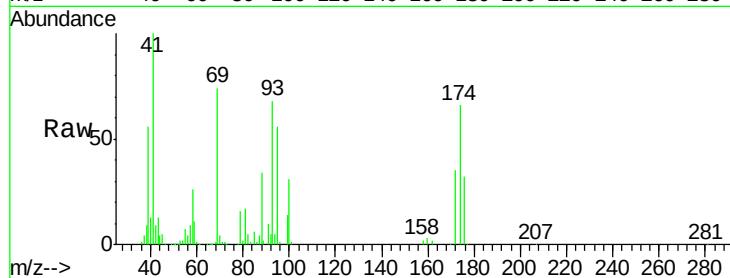
#49
1,4-Dioxane
Concen: 1044.655 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19492
Ion	Ratio	Lower	Upper
88	100		
43	42.0	34.8	52.2
58	79.2	64.1	96.1

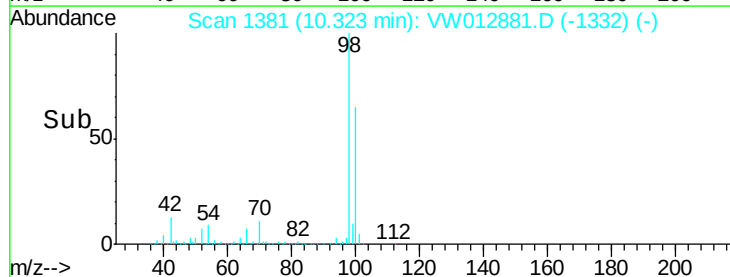
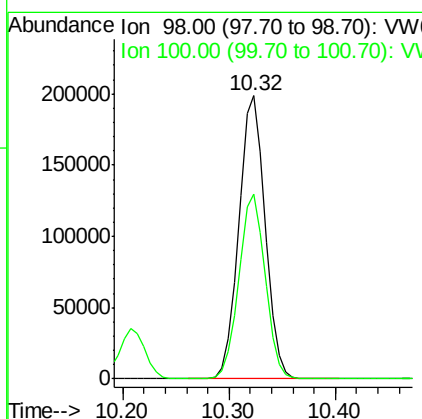
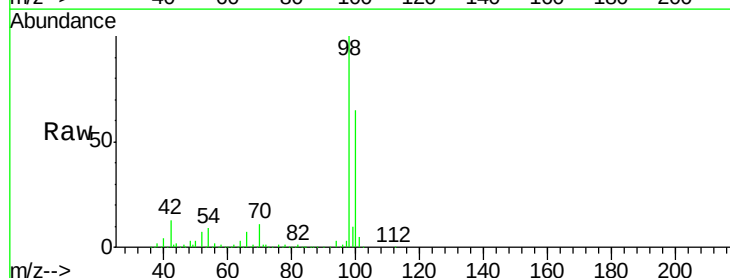
Manual Integrations
APPROVED

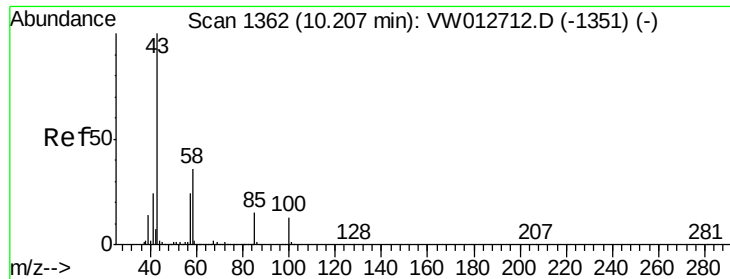
MMDadoda
9/11/2019 9:26:41 AM



#50
Toluene-d8
Concen: 50.697 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	98	Resp	344511
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4





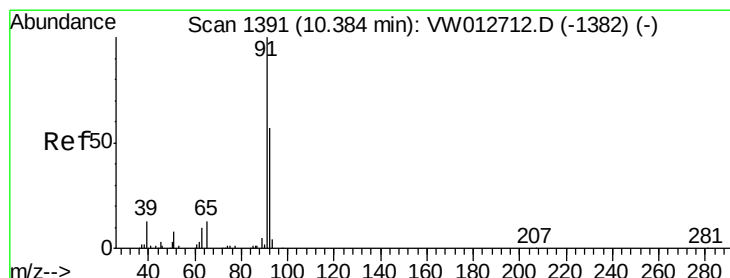
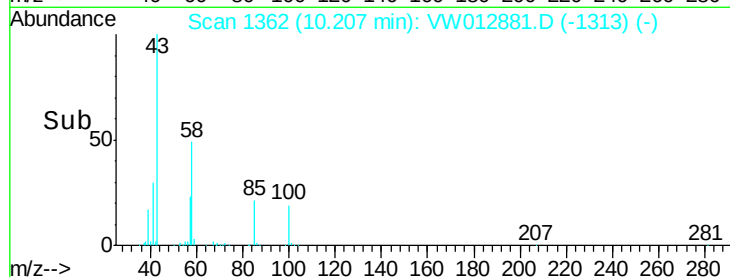
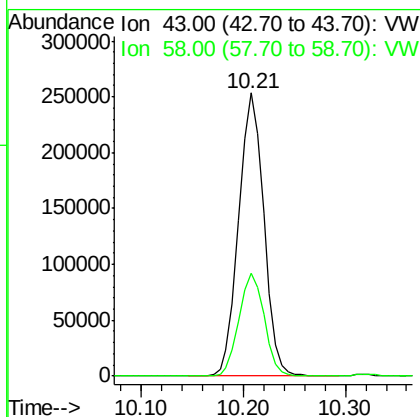
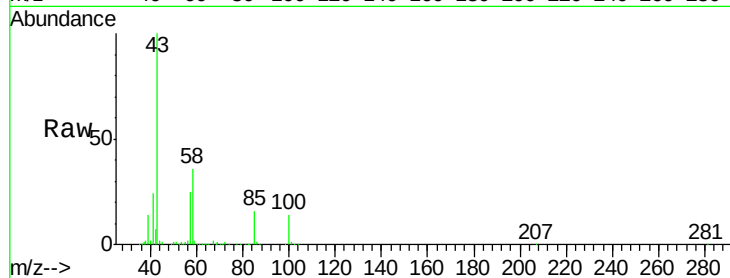
#51
4-Methyl-2-Pentanone
Concen: 263.373 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.4	42.6

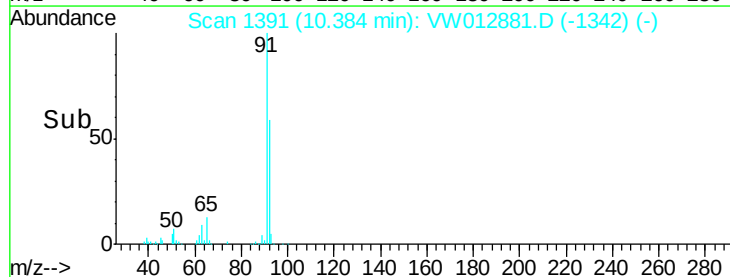
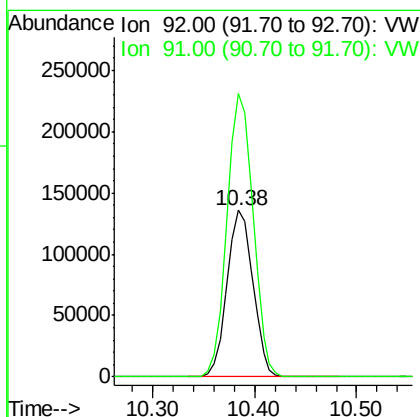
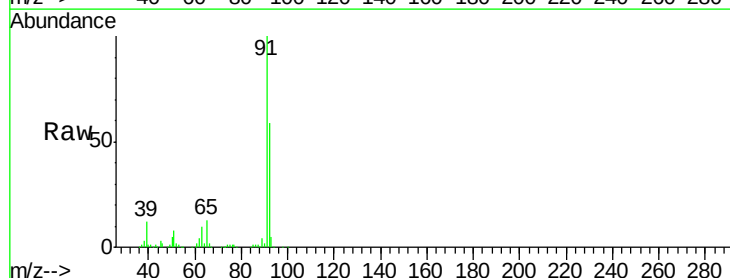
Manual Integrations
APPROVED

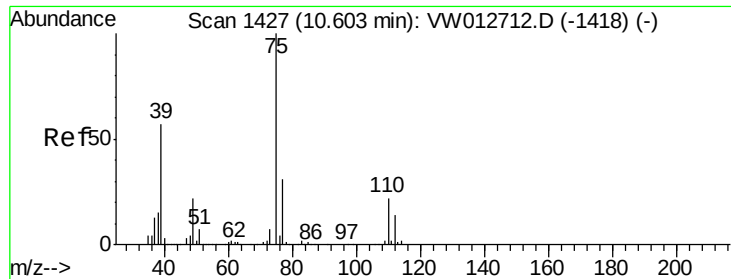
MMDadoda
9/11/2019 9:26:41 AM



#52
Toluene
Concen: 53.117 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.0	205.4





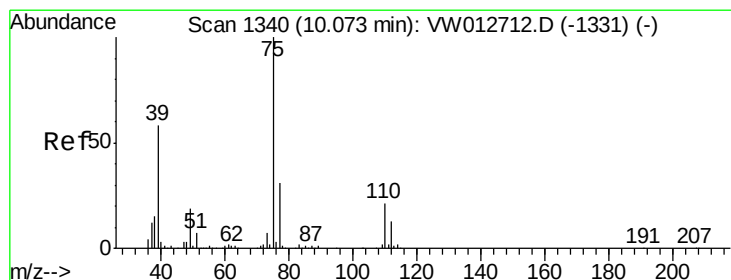
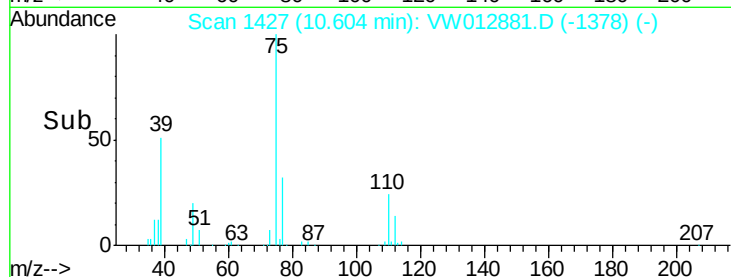
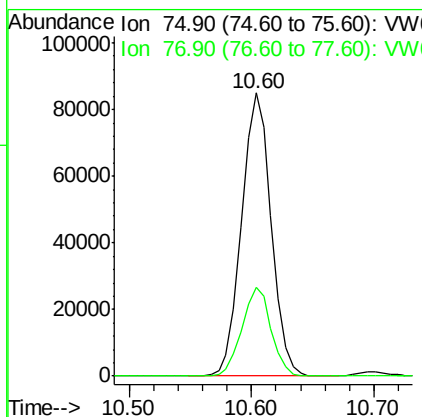
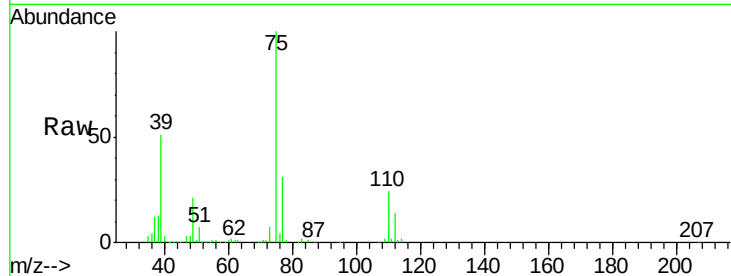
#53
t-1,3-Dichloropropene
Concen: 53.314 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 142471
Ion Ratio Lower Upper
75 100
77 31.4 24.7 37.1

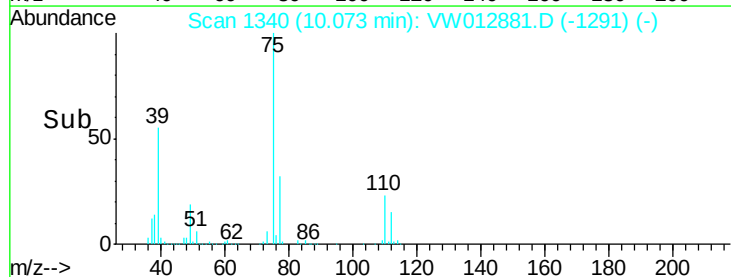
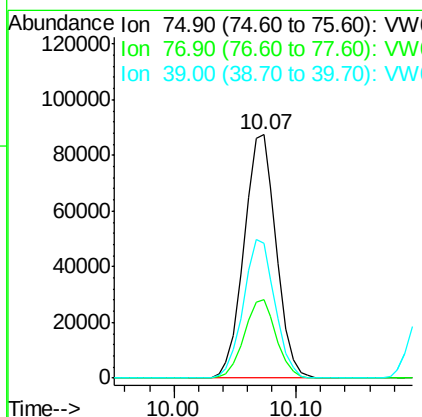
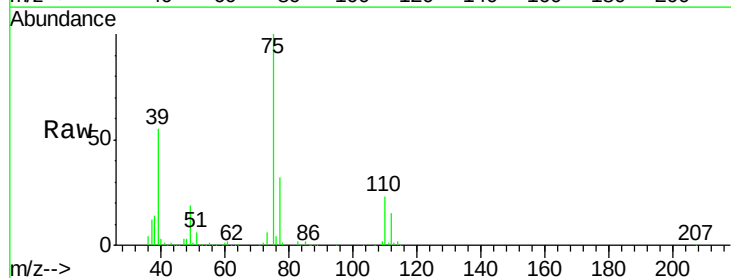
Manual Integrations
APPROVED

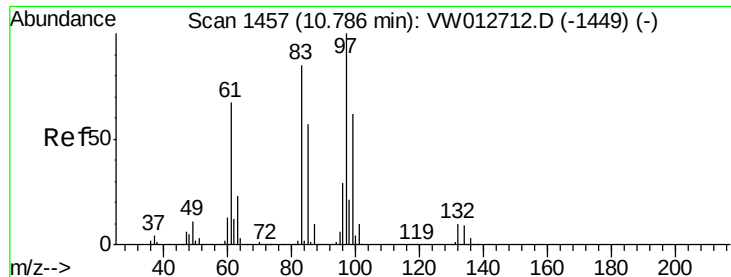
MMDadoda
9/11/2019 9:26:41 AM



#54
cis-1,3-Dichloropropene
Concen: 52.688 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion: 75 Resp: 159724
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 55.0 46.3 69.5





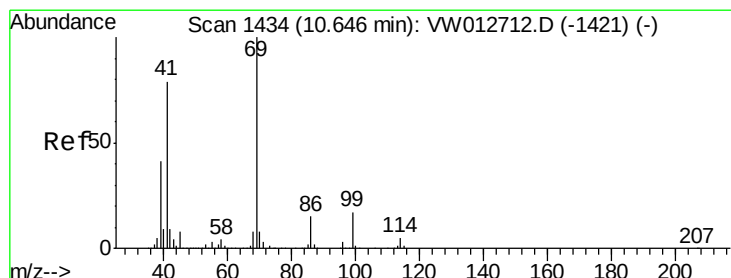
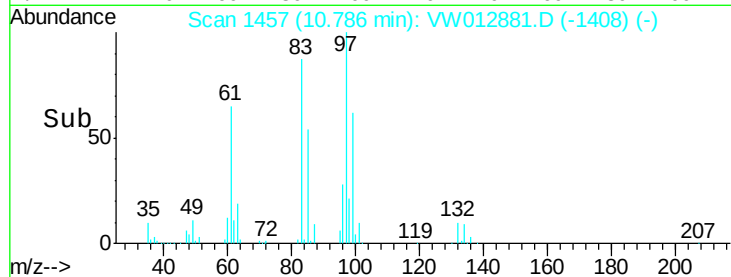
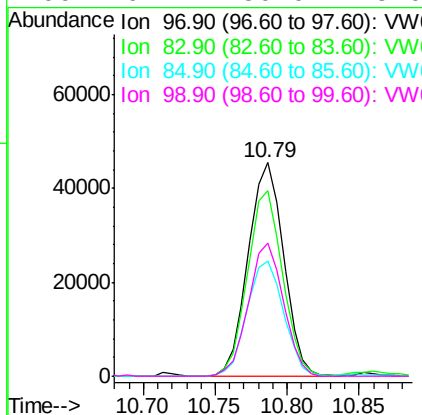
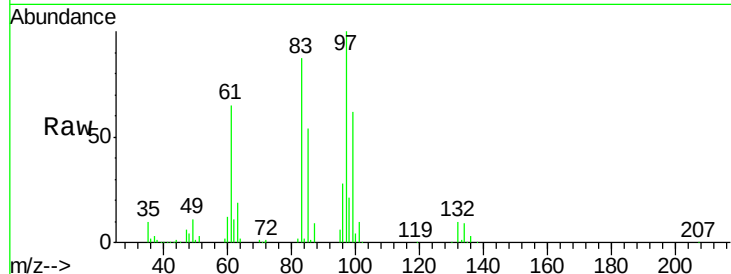
#55
 1,1,2-Trichloroethane
 Concen: 54.564 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	77164
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.1	102.1
85	53.9	45.3	67.9
99	62.4	50.0	75.0

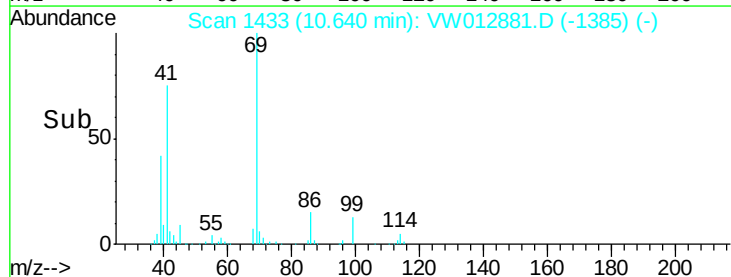
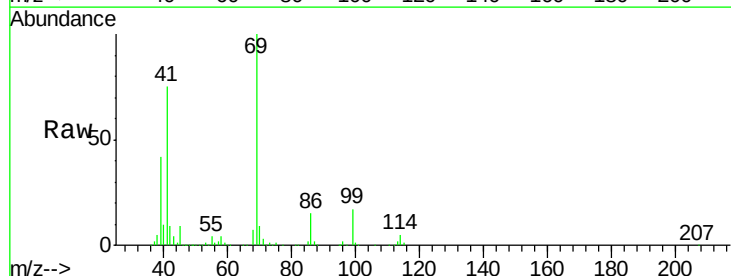
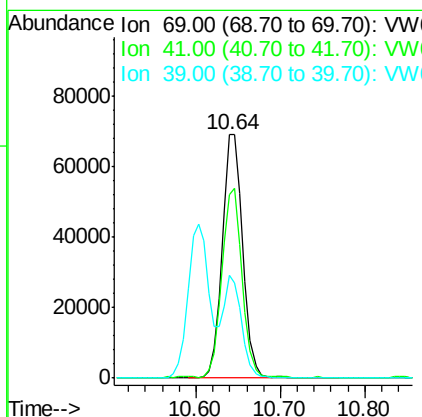
Manual Integrations
 APPROVED

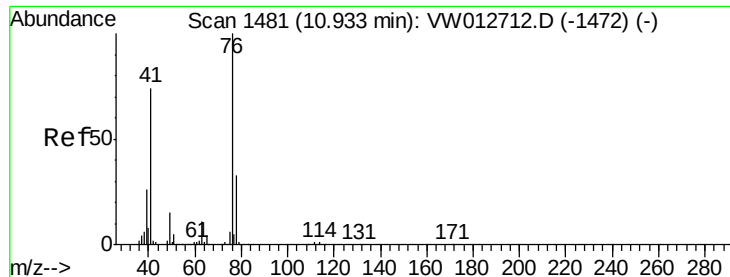
MMDadoda
 9/11/2019 9:26:41 AM



#56
 Ethyl methacrylate
 Concen: 55.895 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion:	69	Resp:	115708
Ion	Ratio	Lower	Upper
69	100		
41	76.2	64.4	96.6
39	35.5	31.1	46.7





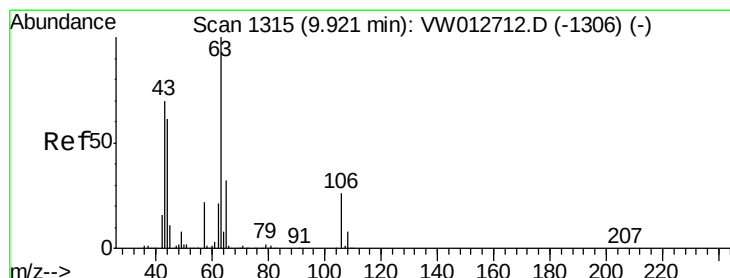
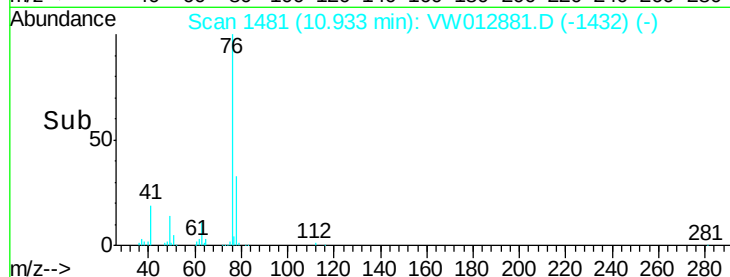
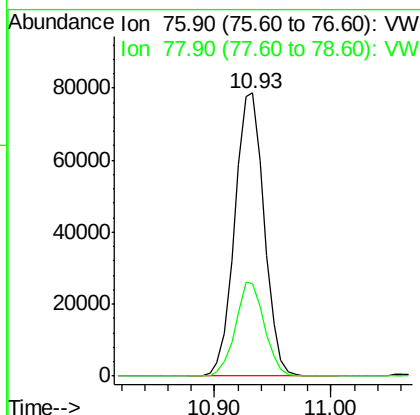
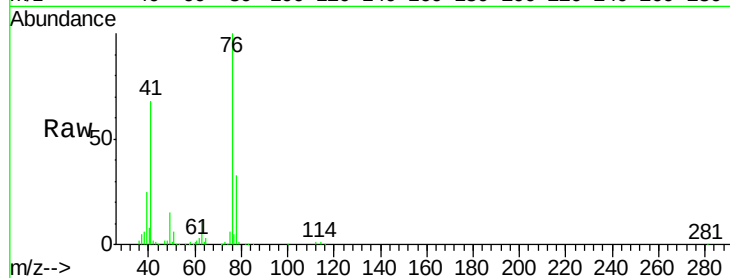
#57
 1,3-Dichloropropane
 Concen: 52.864 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

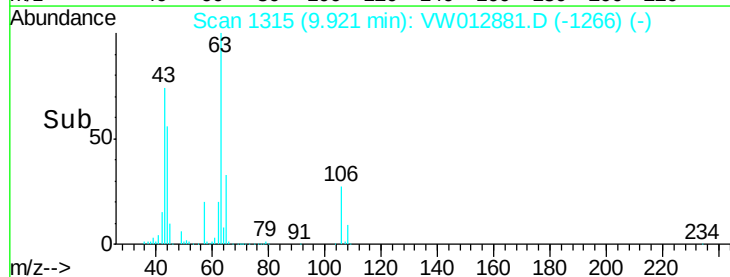
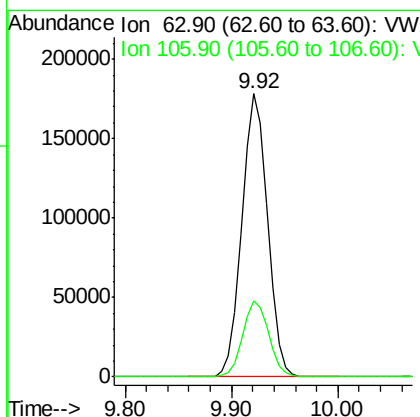
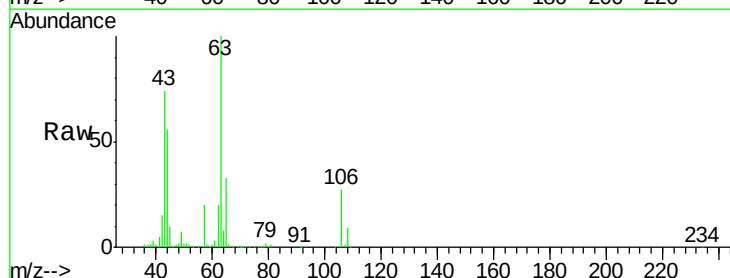
Manual Integrations
 APPROVED

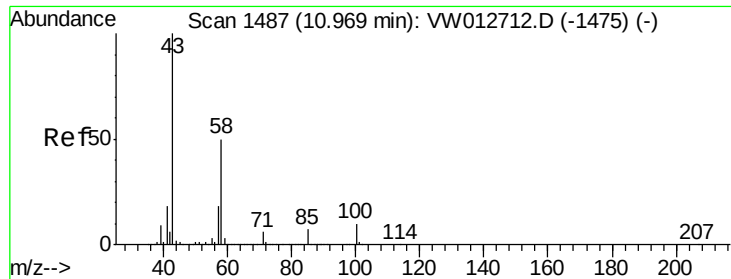
MMDadoda
 9/11/2019 9:26:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.470 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	20.5	30.7





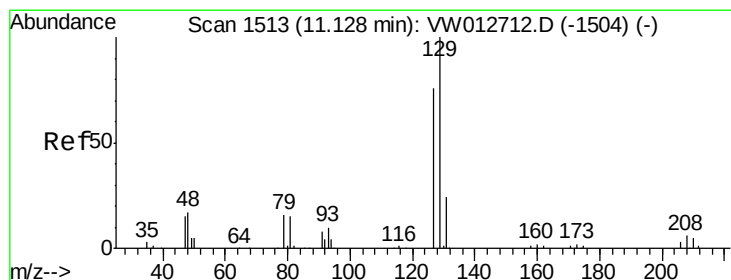
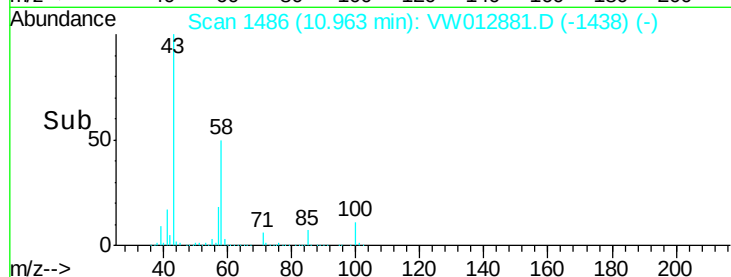
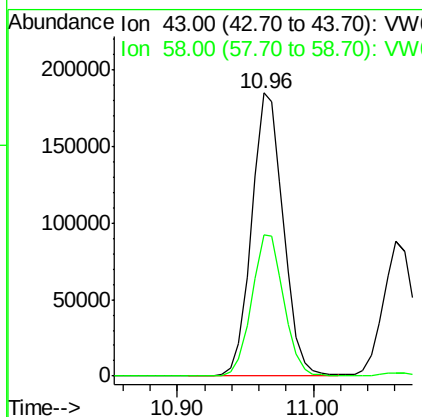
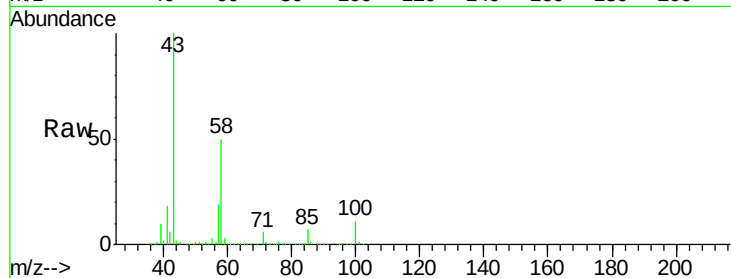
#59
2-Hexanone
Concen: 251.354 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 301675
Ion Ratio Lower Upper
43 100
58 50.5 24.7 74.1

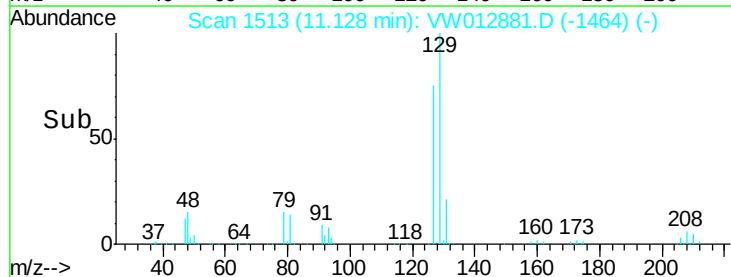
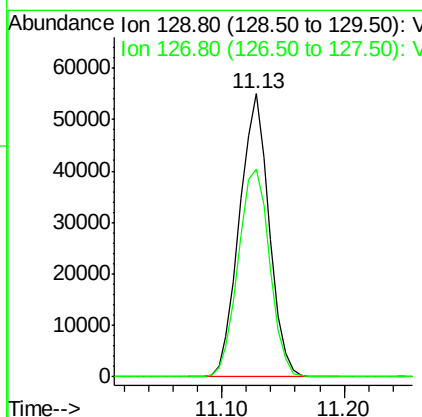
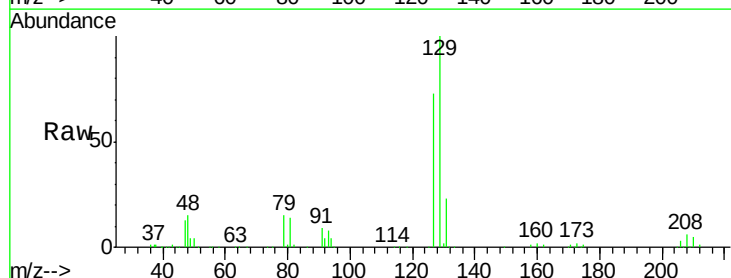
Manual Integrations
APPROVED

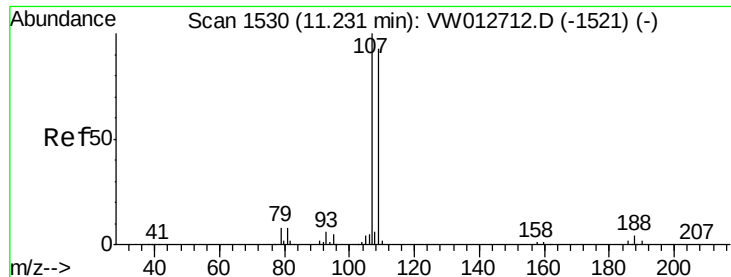
MMDadoda
9/11/2019 9:26:41 AM



#60
Dibromochloromethane
Concen: 55.713 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion: 129 Resp: 92662
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





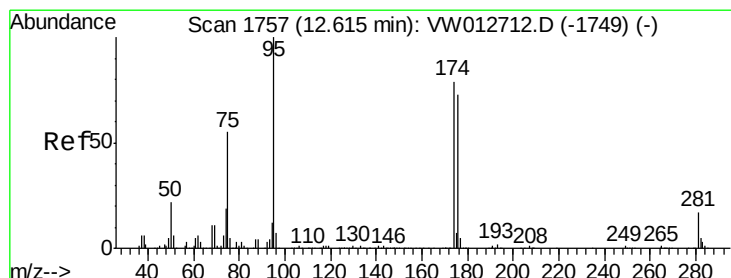
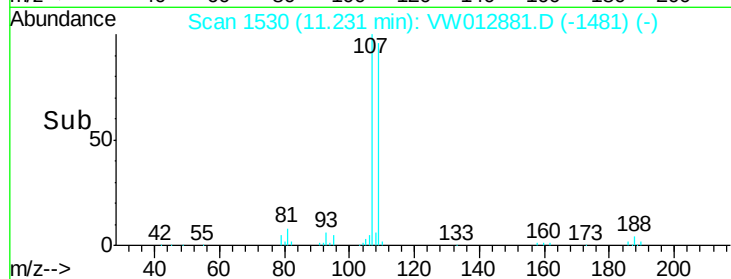
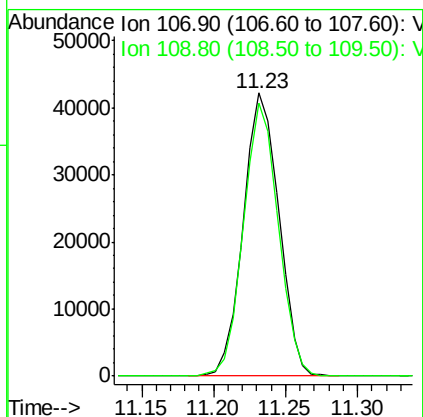
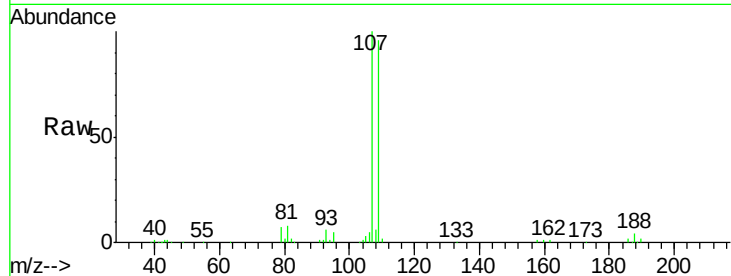
#61
 1,2-Dibromoethane
 Concen: 55.723 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.0	112.6

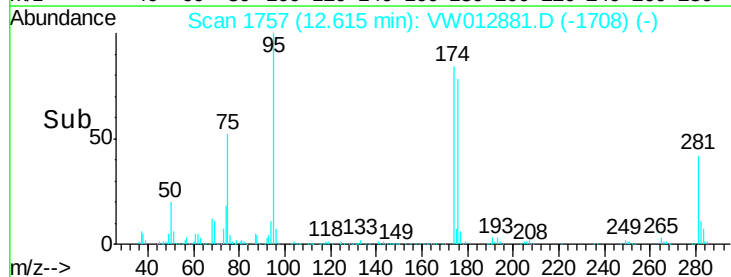
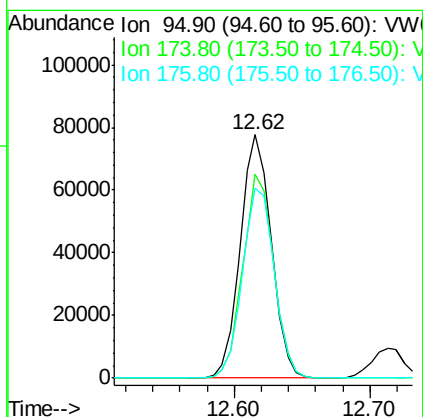
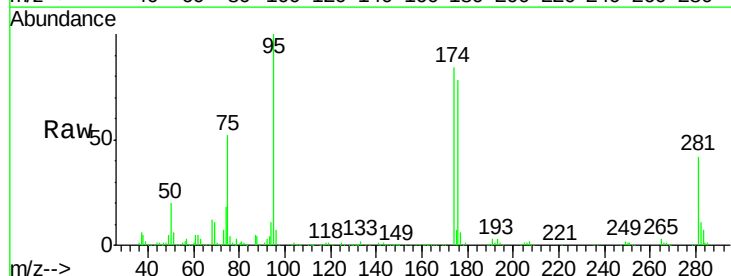
Manual Integrations
 APPROVED

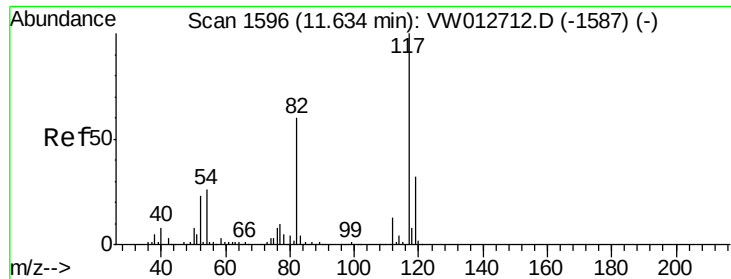
MMDadoda
 9/11/2019 9:26:41 AM



#62
 4-Bromofluorobenzene
 Concen: 50.135 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	161.0
176	80.7	0.0	156.4





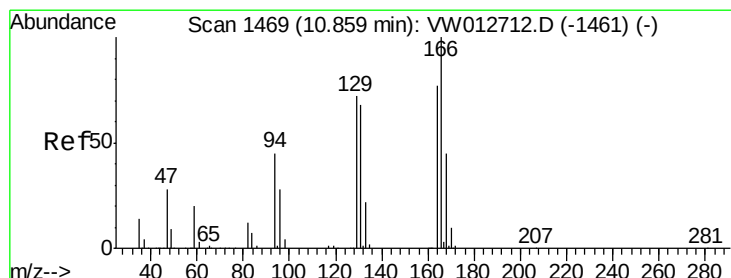
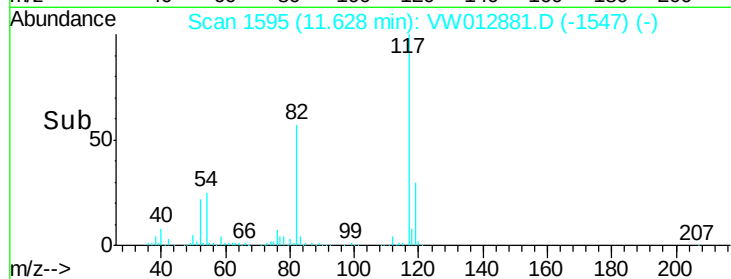
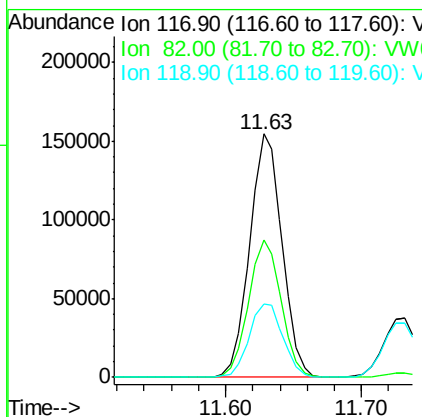
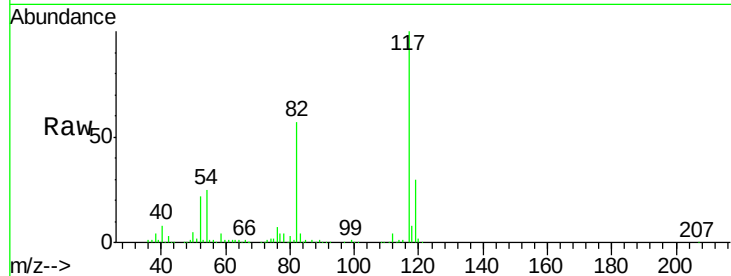
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258177		
82	56.6	48.2	72.4	
119	30.3	25.8	38.6	

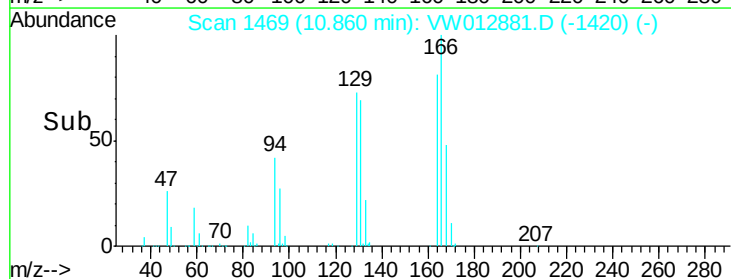
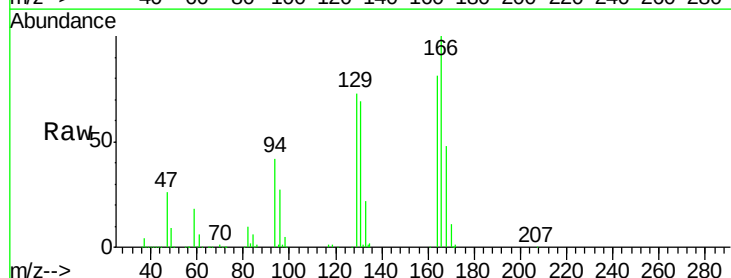
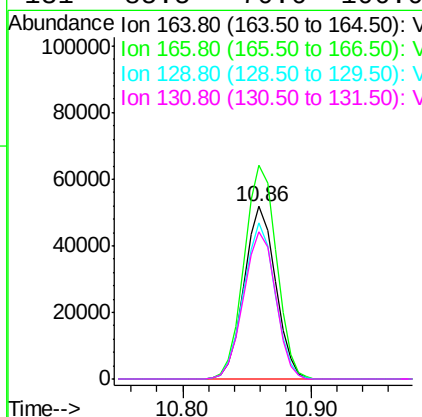
Manual Integrations
APPROVED

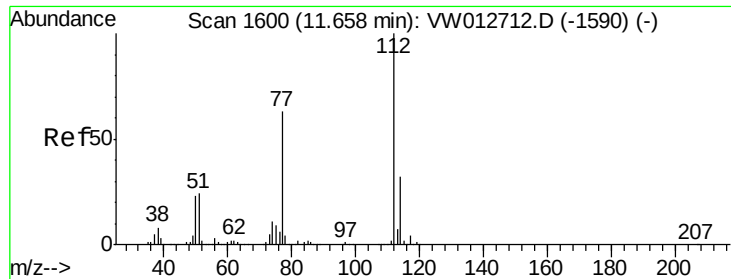
MMDadoda
9/11/2019 9:26:41 AM



#64
Tetrachloroethene
Concen: 55.758 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87349		
166	123.7	103.6	155.4	
129	90.7	74.6	112.0	
131	85.5	70.6	106.0	





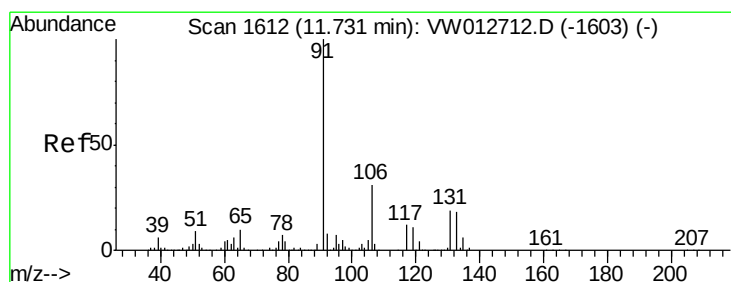
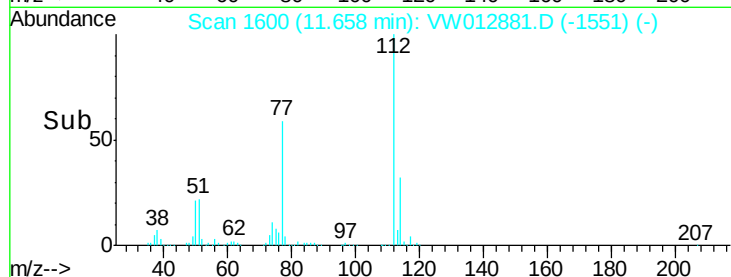
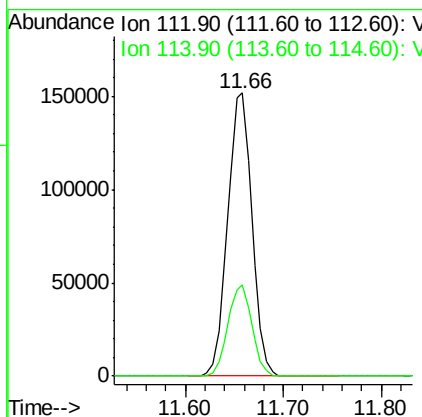
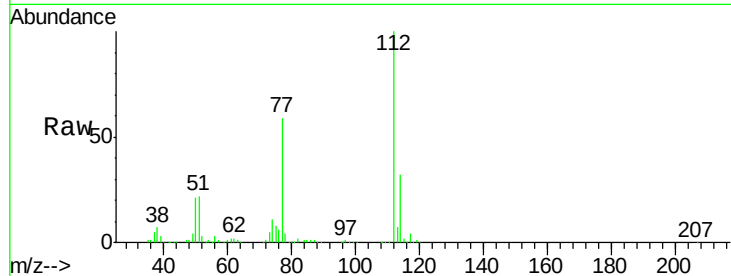
#65
Chlorobenzene
Concen: 53.424 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	260691		
114	32.5	25.3	37.9	

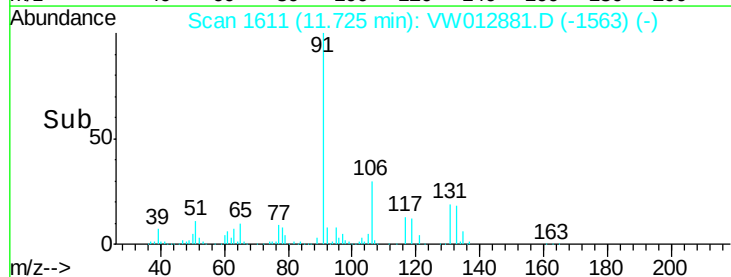
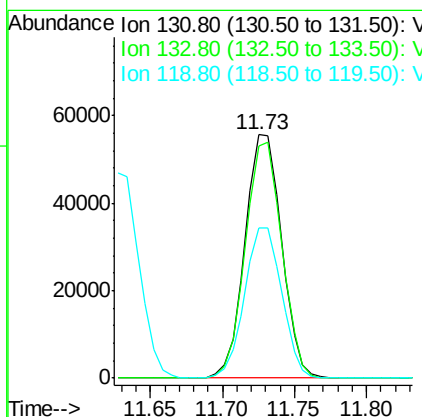
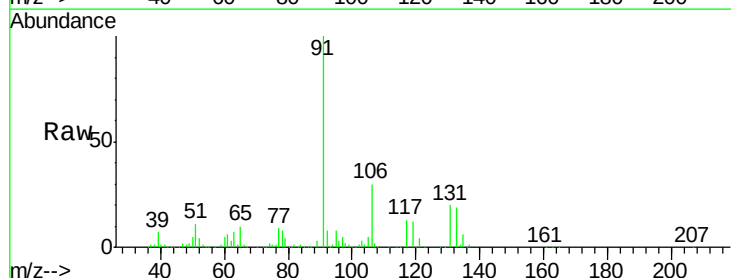
Manual Integrations
APPROVED

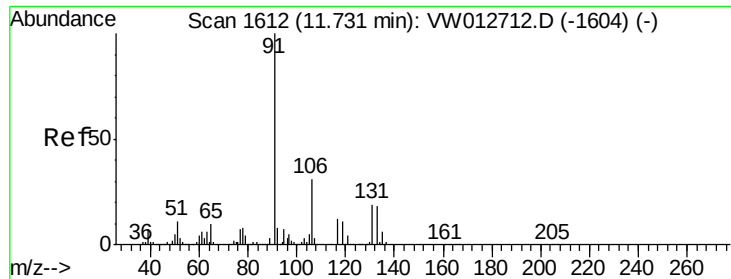
MMDadoda
9/11/2019 9:26:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.836 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	97831		
133	96.6	47.6	142.8	
119	62.7	30.6	92.0	





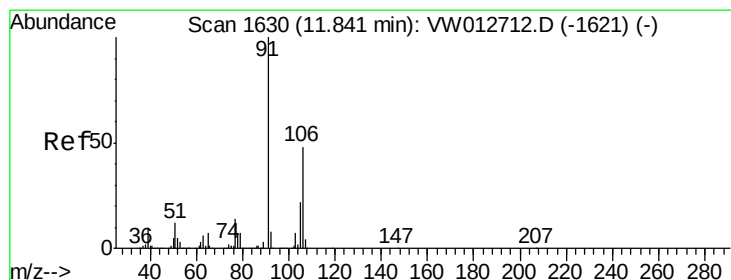
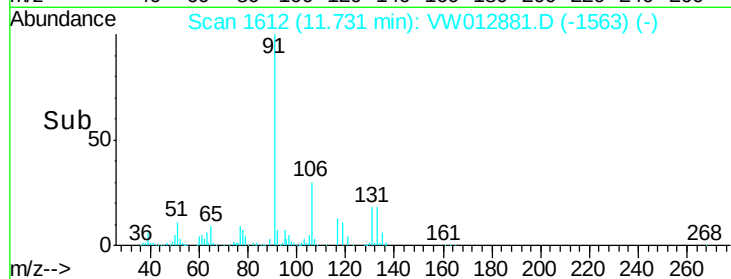
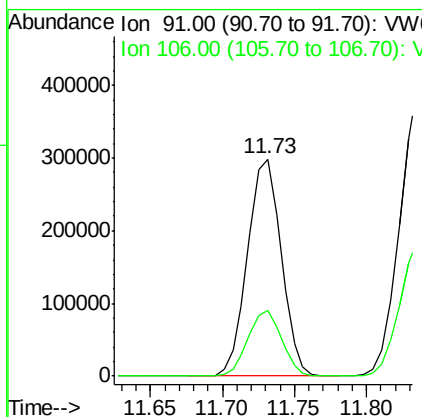
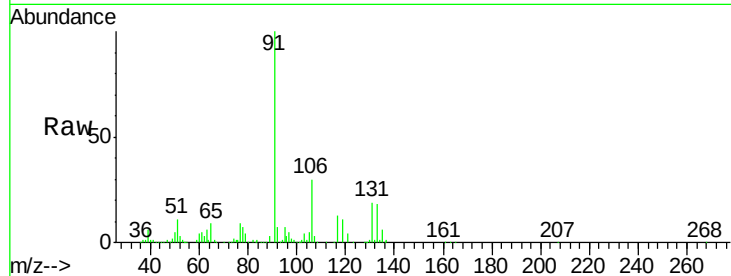
#67
Ethyl Benzene
Concen: 52.847 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6

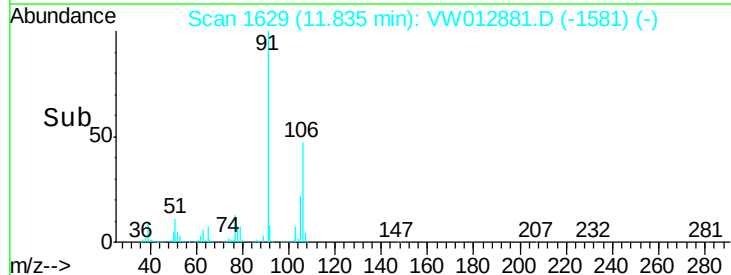
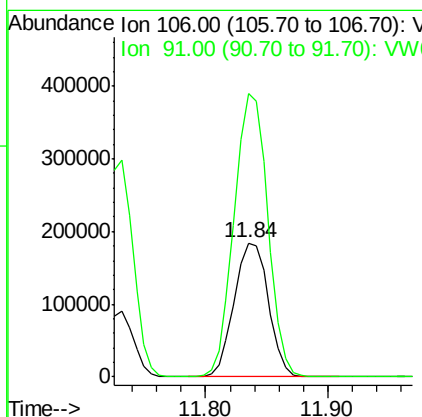
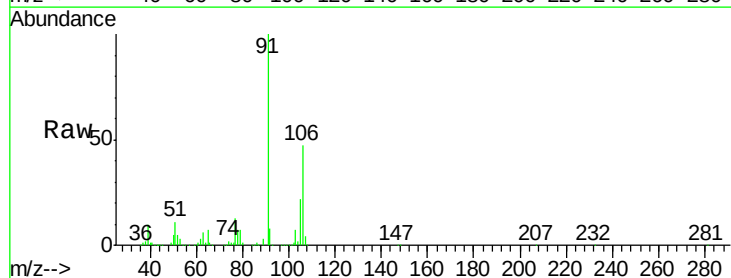
Manual Integrations
APPROVED

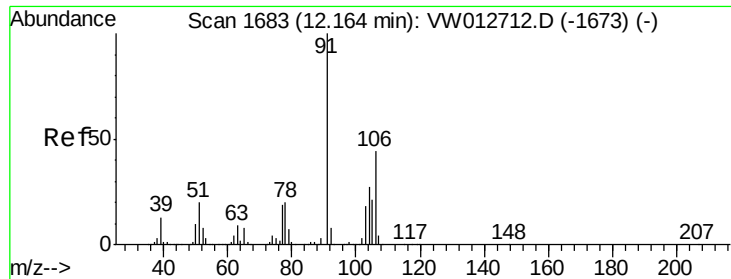
MMDadoda
9/11/2019 9:26:41 AM



#68
m/p-Xylenes
Concen: 108.110 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.1	168.2	252.4





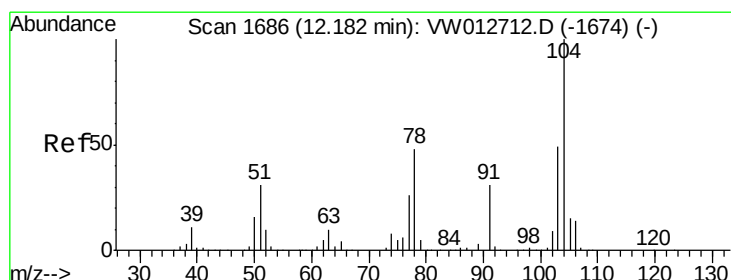
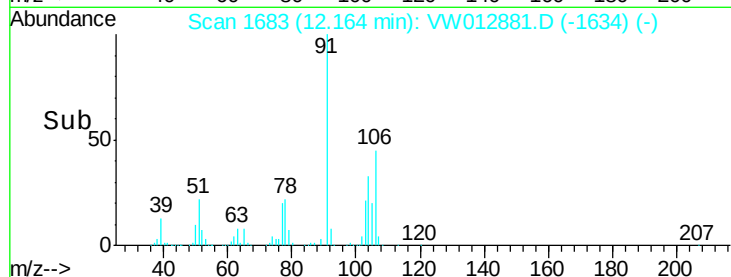
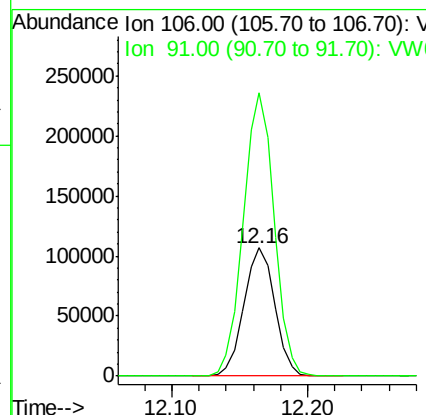
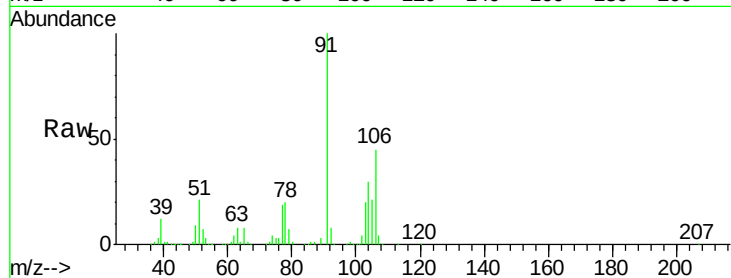
#69
o-Xylene
Concen: 54.459 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 169787
Ion Ratio Lower Upper
106 100
91 219.7 112.3 336.8

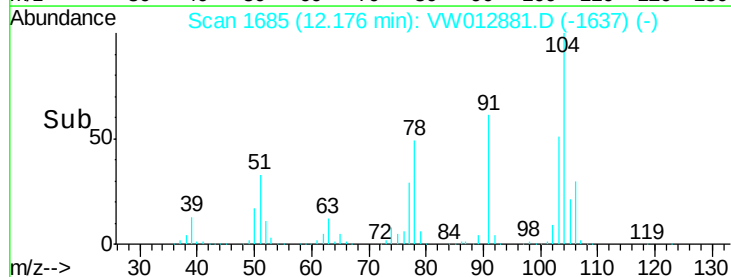
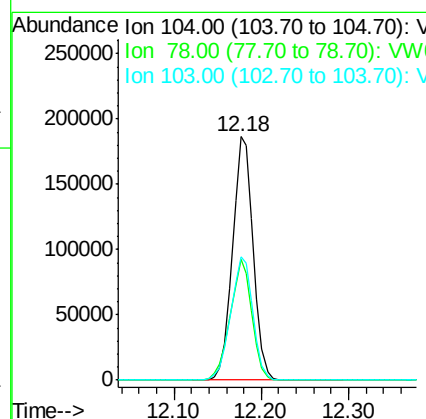
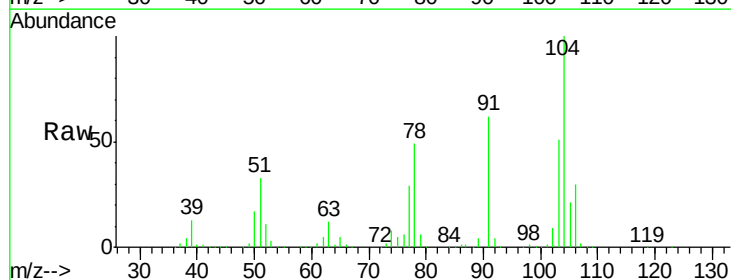
Manual Integrations
APPROVED

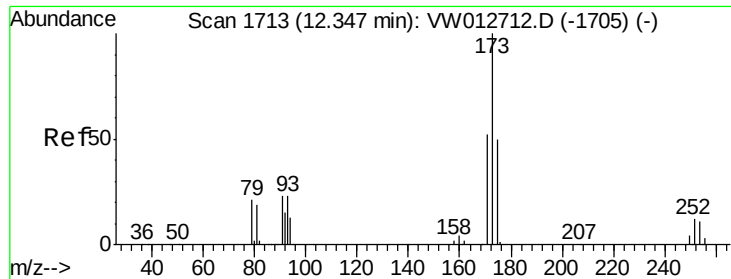
MMDadoda
9/11/2019 9:26:41 AM



#70
Styrene
Concen: 55.345 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion:104 Resp: 304908
Ion Ratio Lower Upper
104 100
78 51.8 43.3 64.9
103 54.1 44.0 66.0





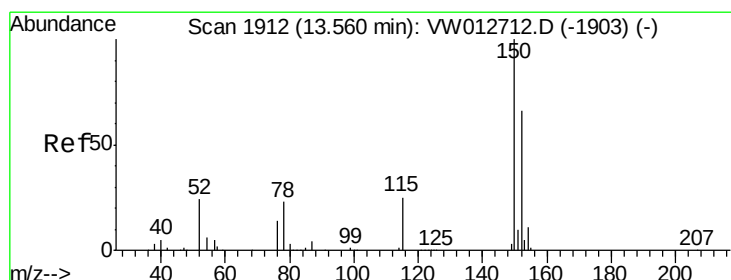
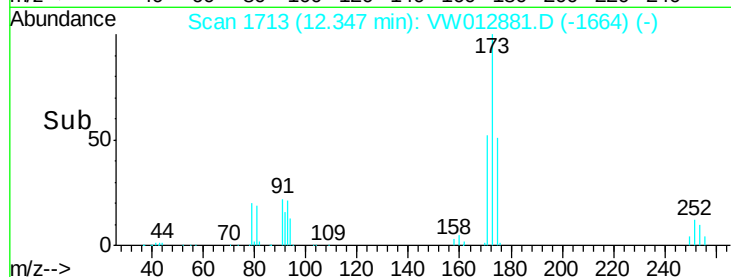
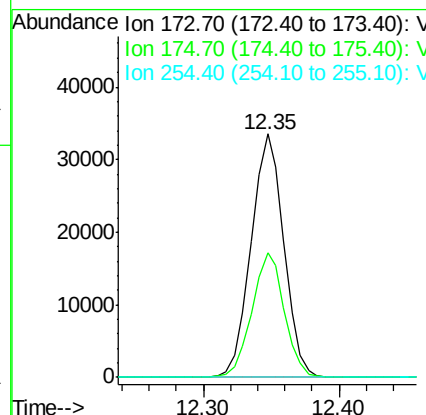
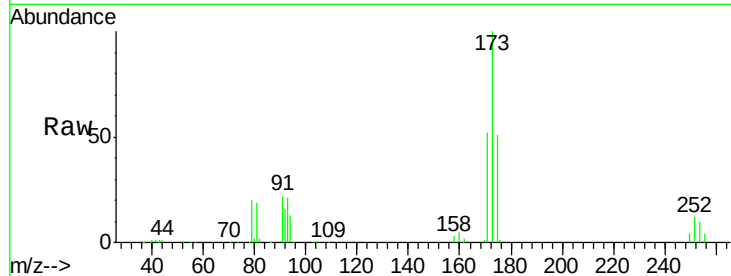
#71
Bromoform
Concen: 55.872 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.8	74.3
254	0.0	0.1	0.1#

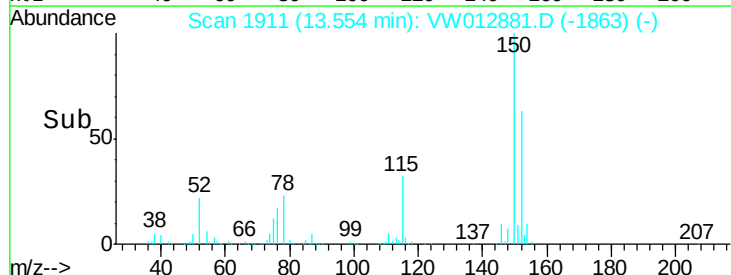
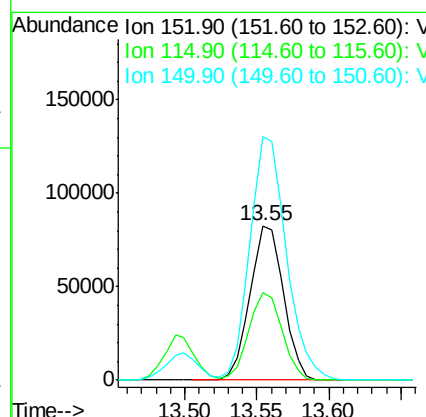
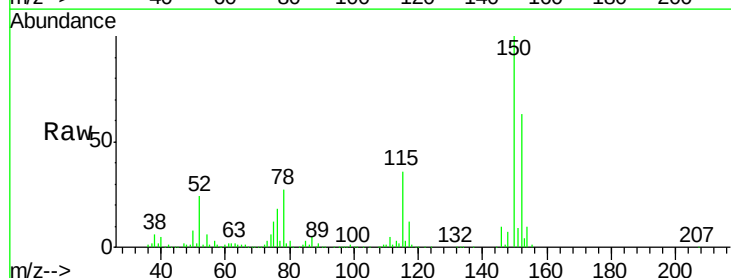
Manual Integrations
APPROVED

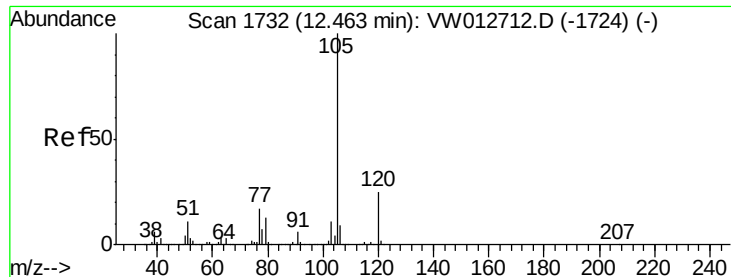
MMDadoda
9/11/2019 9:26:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	30.0	90.1
150	171.8	0.0	349.0





#73

Isopropylbenzene

Concen: 51.506 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 490505

Ion Ratio Lower Upper

105 100

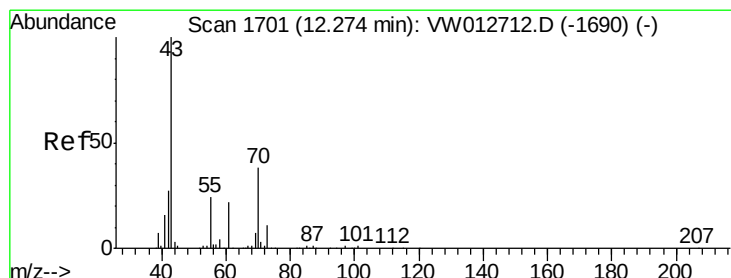
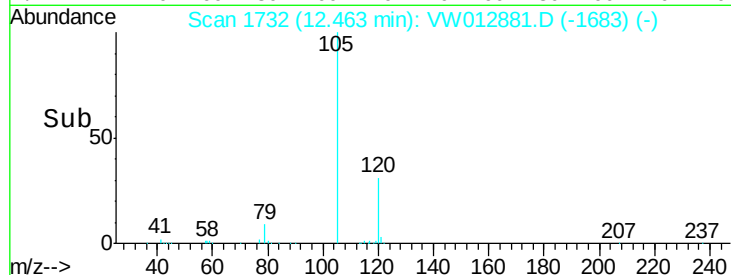
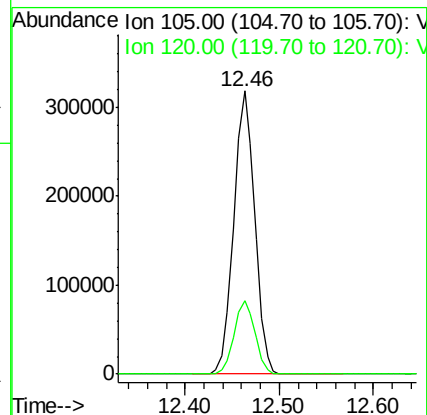
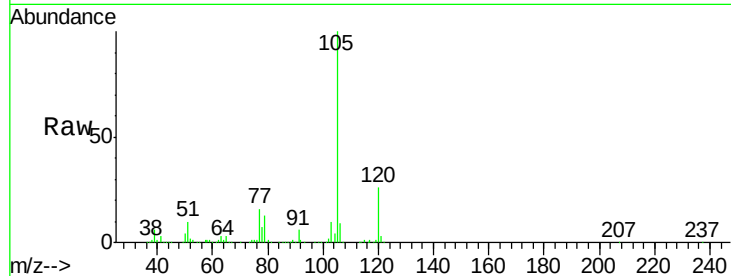
120 25.8 13.0 38.9

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#74

N-ethyl acetate

Concen: 50.751 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion: 43 Resp: 153411

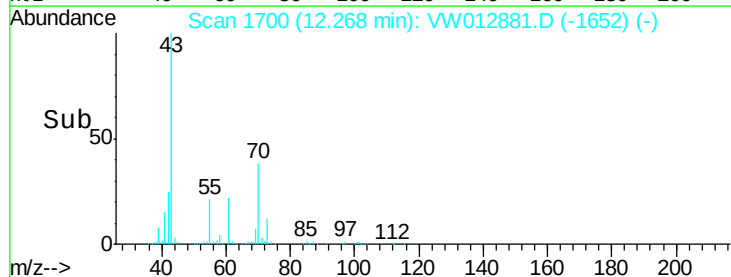
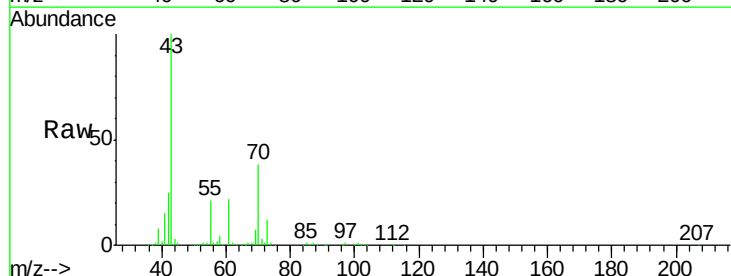
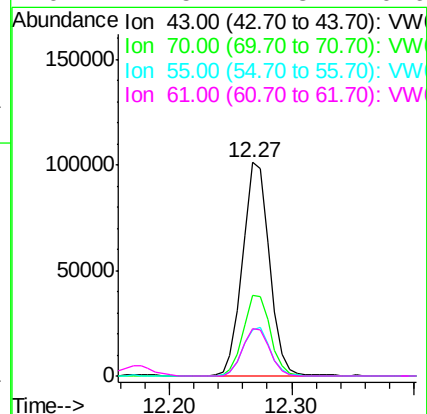
Ion Ratio Lower Upper

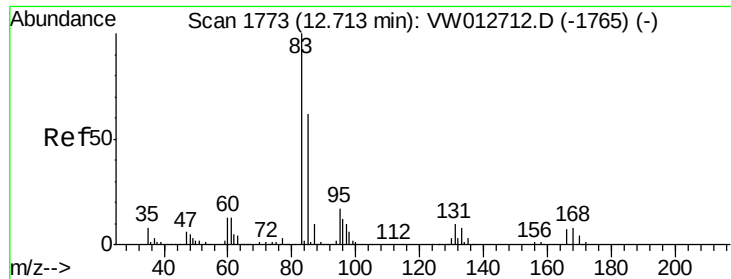
43 100

70 38.1 29.4 44.0

55 23.0 18.6 27.8

61 22.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.731 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

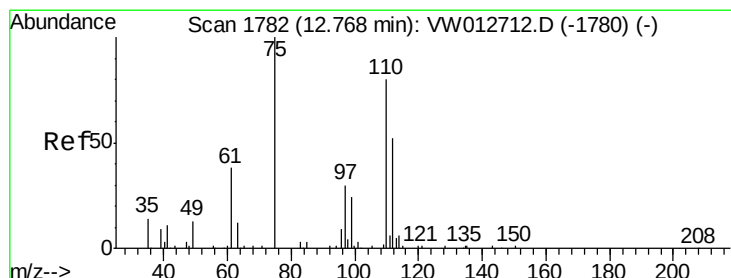
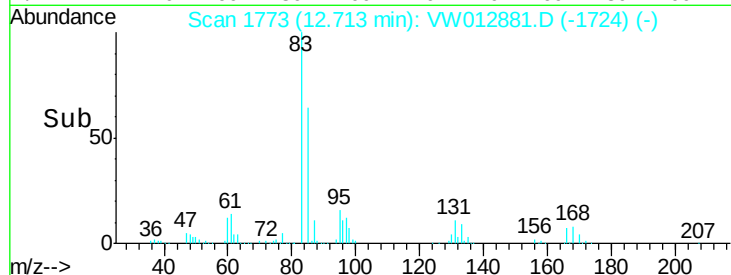
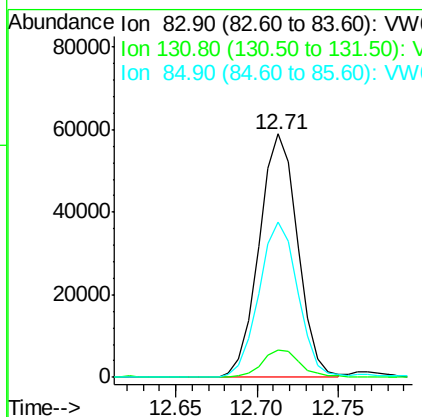
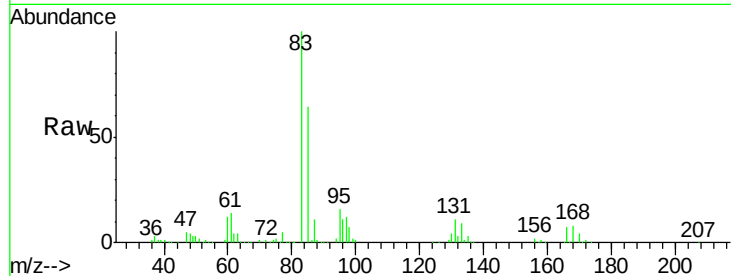
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	97025
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.4
85	64.4	31.4	94.2

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#76

1,2,3-Trichloropropane

Concen: 47.830 ug/l m

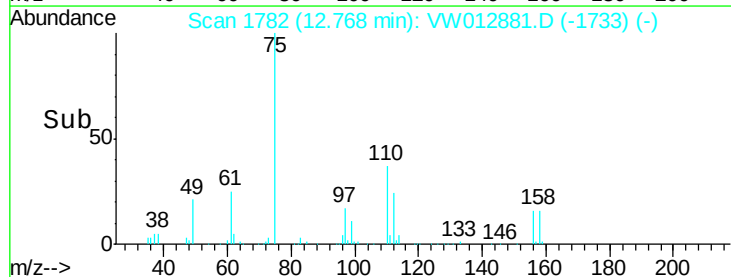
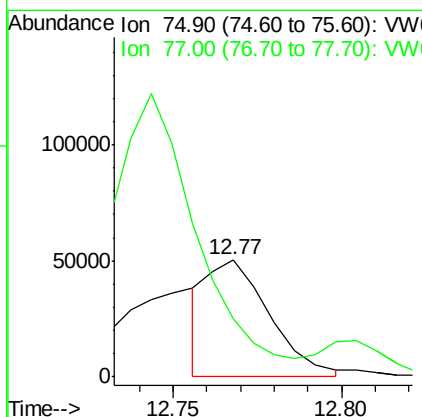
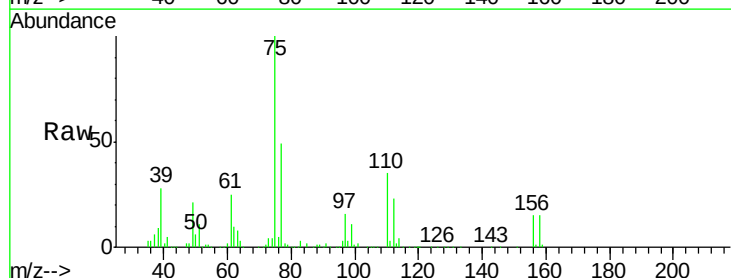
RT: 12.77 min Scan# 1782

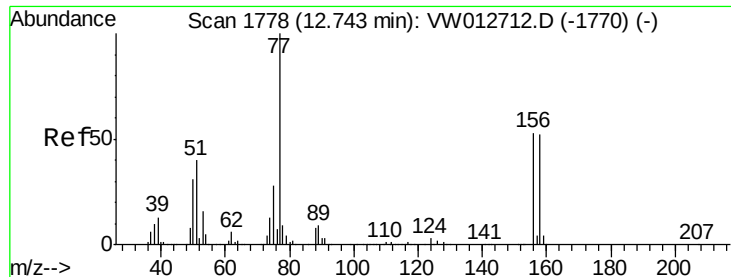
Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	75	Resp:	64939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.823 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 113969

Ion Ratio Lower Upper

156 100

77 193.6 102.3 306.9

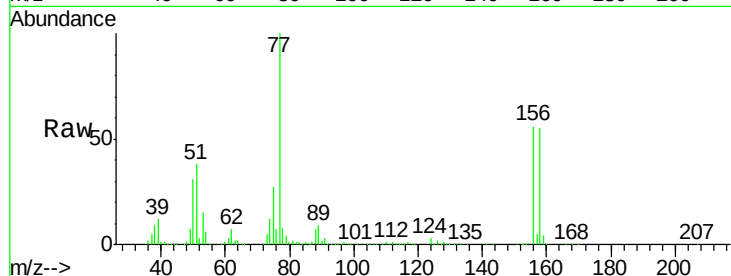
158 98.0 48.9 146.8

Manual Integrations

APPROVED

MMDadoda

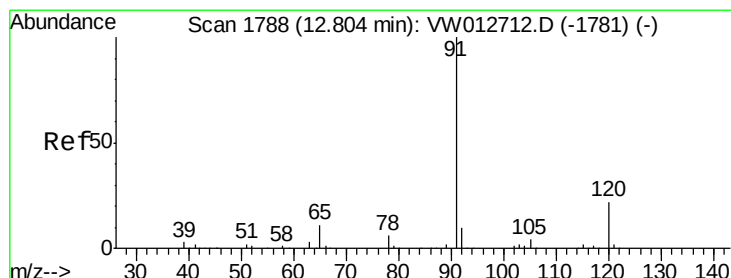
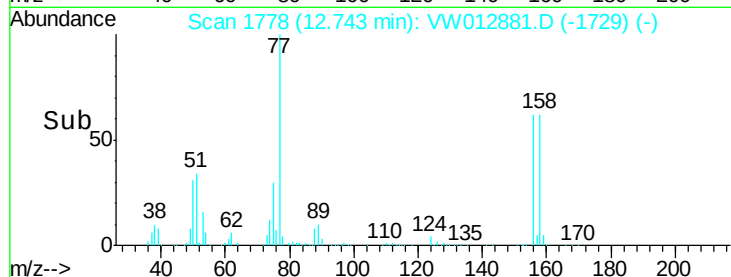
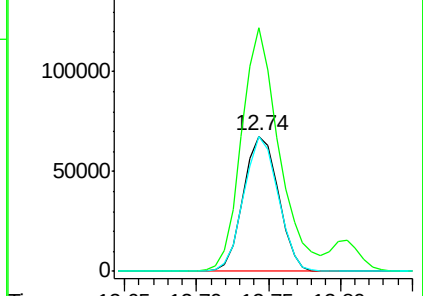
9/11/2019 9:26:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.577 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012881.D

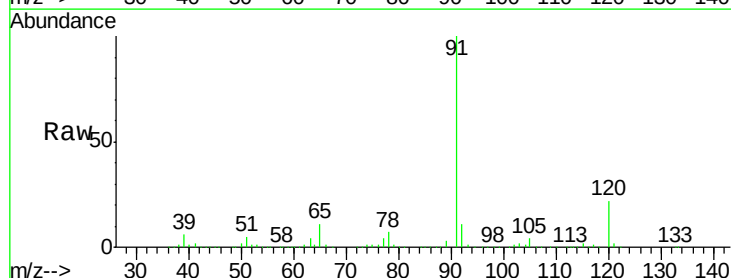
Acq: 10 Sep 2019 19:50

Tgt Ion: 91 Resp: 587451

Ion Ratio Lower Upper

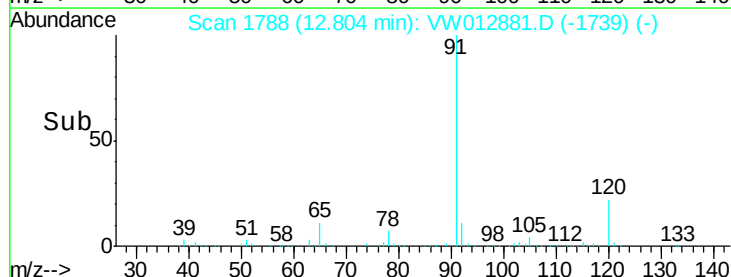
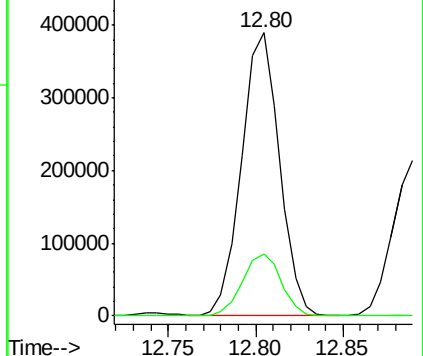
91 100

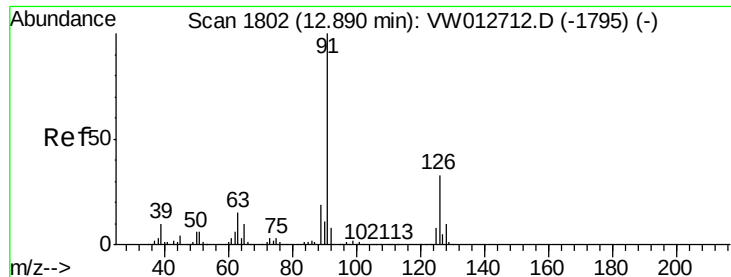
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.016 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 333572

Ion Ratio Lower Upper

91 100

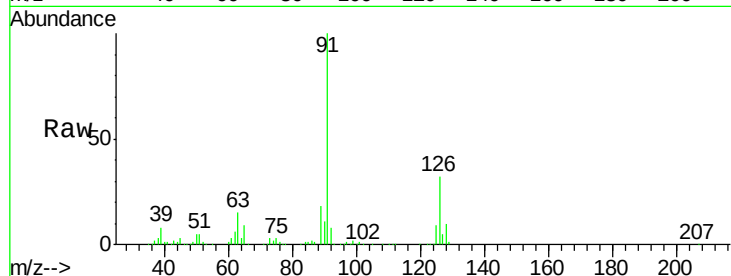
126 32.7 16.1 48.3

Manual Integrations

APPROVED

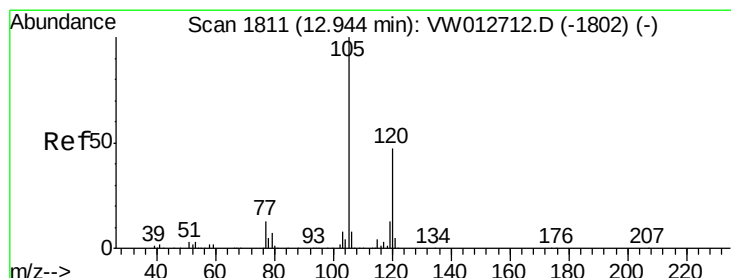
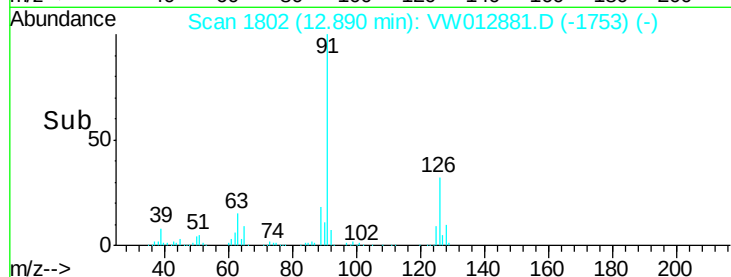
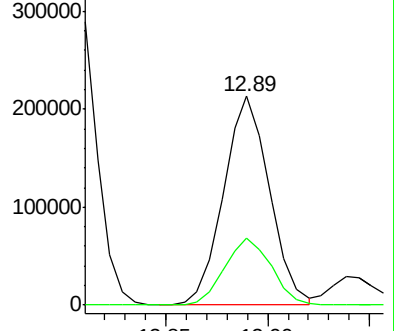
MMDadoda

9/11/2019 9:26:41 AM



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: 52.057 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012881.D

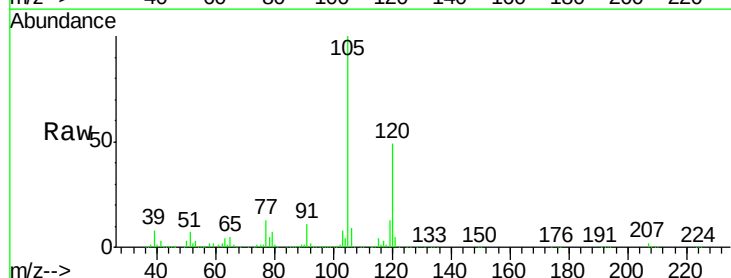
Acq: 10 Sep 2019 19:50

Tgt Ion: 105 Resp: 417736

Ion Ratio Lower Upper

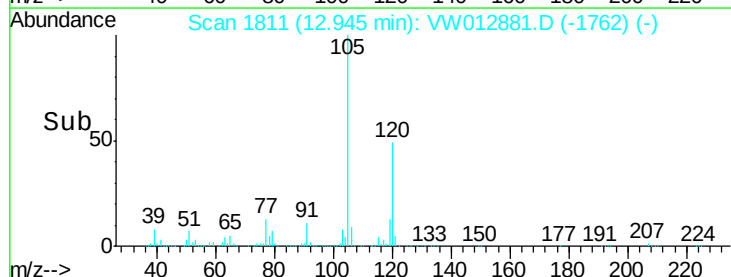
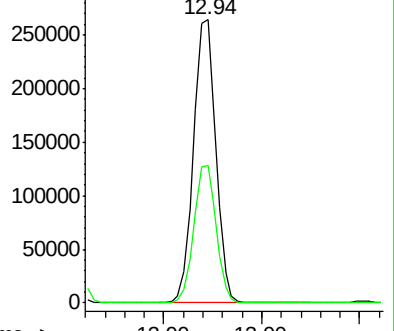
105 100

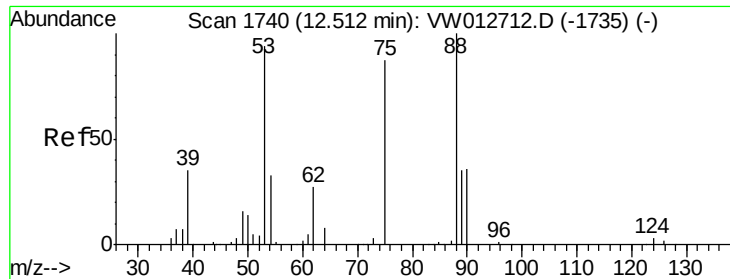
120 48.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





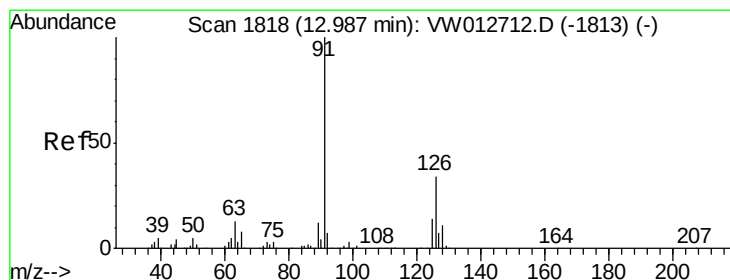
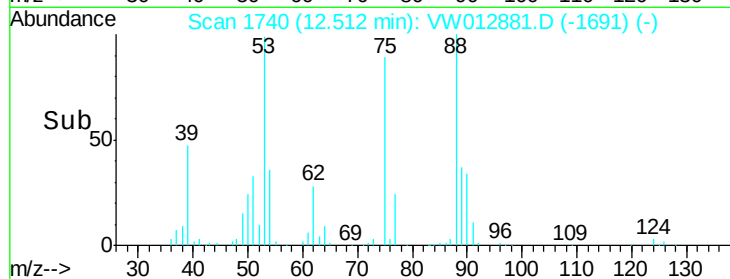
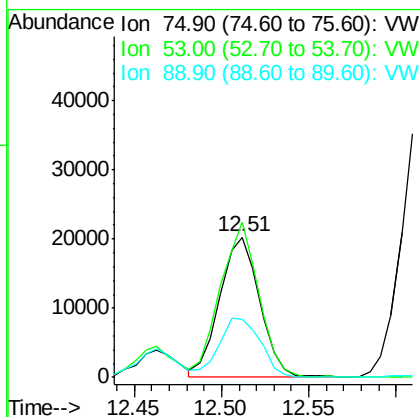
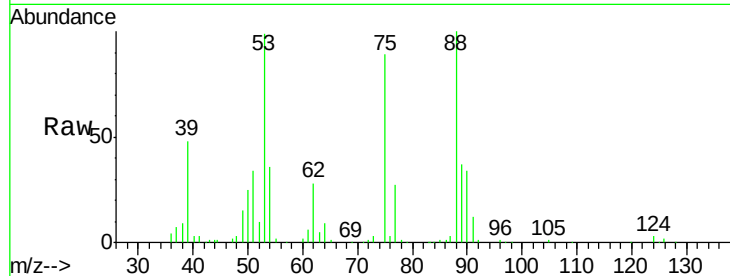
#81
trans-1,4-Dichloro-2-butene
Concen: 49.400 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.3	87.6	131.4
89	44.5	35.5	53.3

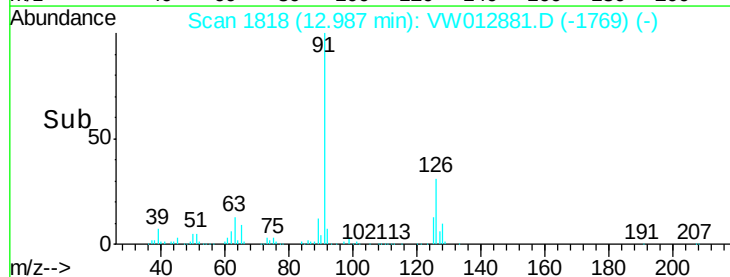
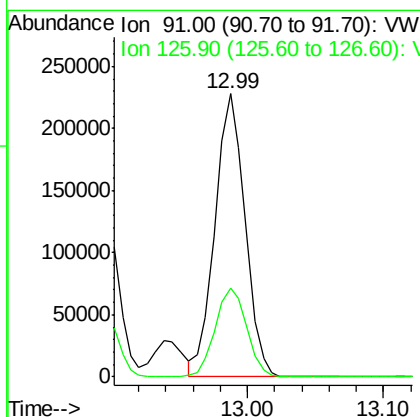
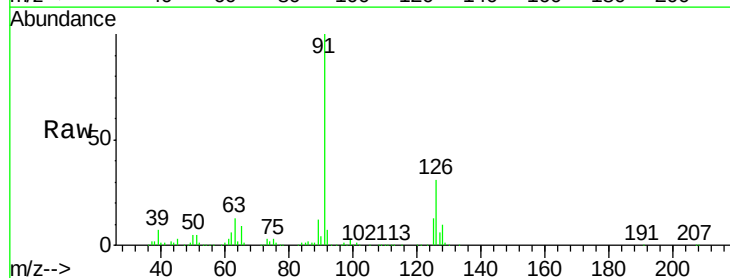
Manual Integrations
APPROVED

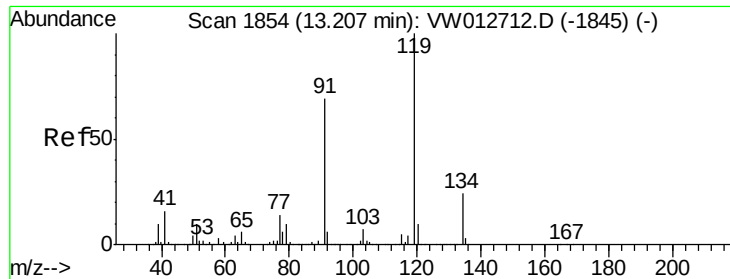
MMDadoda
9/11/2019 9:26:41 AM



#82
4-Chlorotoluene
Concen: 50.334 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.9	47.6





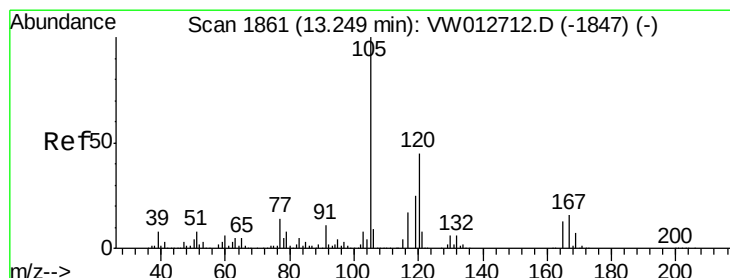
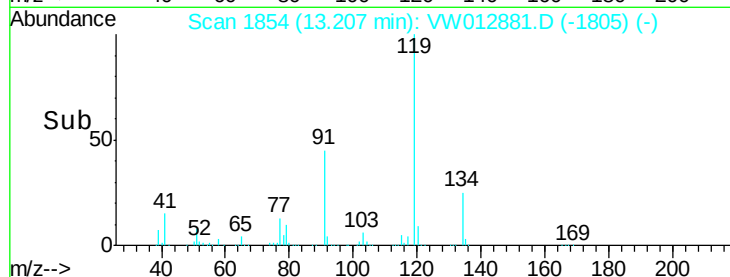
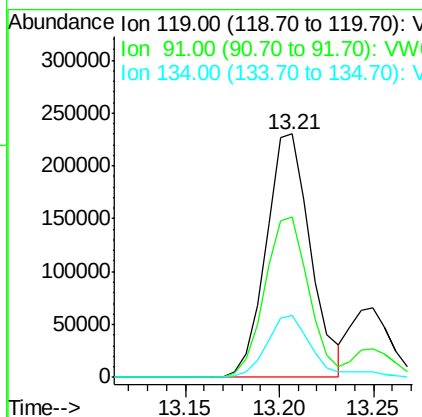
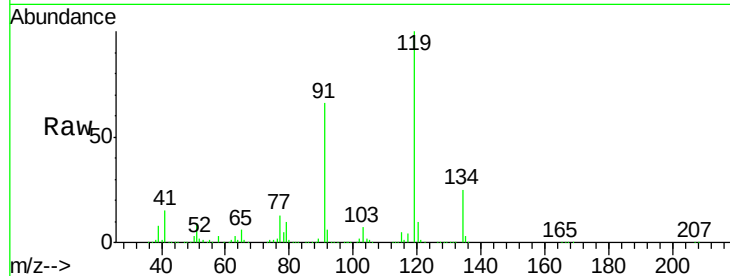
#83
 tert-Butylbenzene
 Concen: 53.120 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	376912		
91	65.1	34.2	102.5	
134	24.9	12.3	36.9	

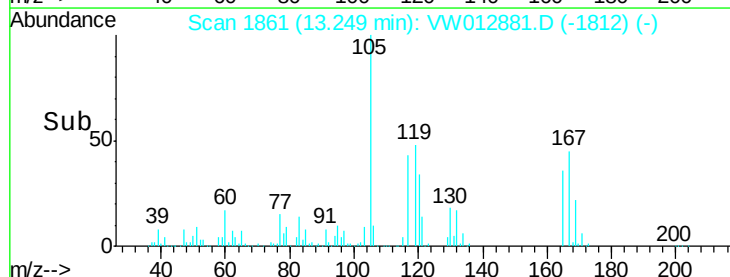
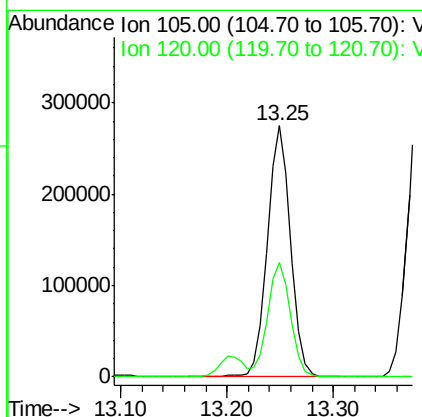
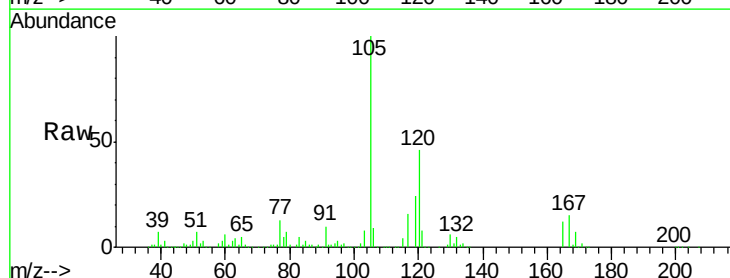
Manual Integrations
 APPROVED

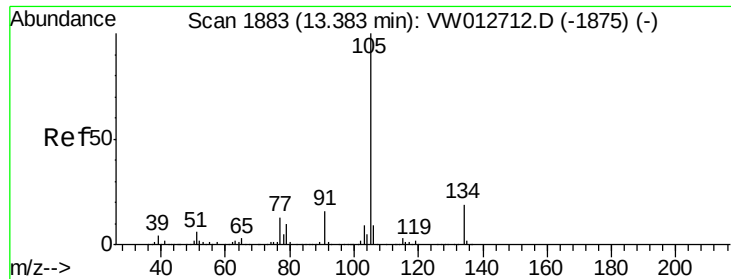
MMDadoda
 9/11/2019 9:26:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.543 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	416775		
120	45.4	22.1	66.3	





#85

sec-Butylbenzene

Concen: 52.075 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 512724

Ion Ratio Lower Upper

105 100

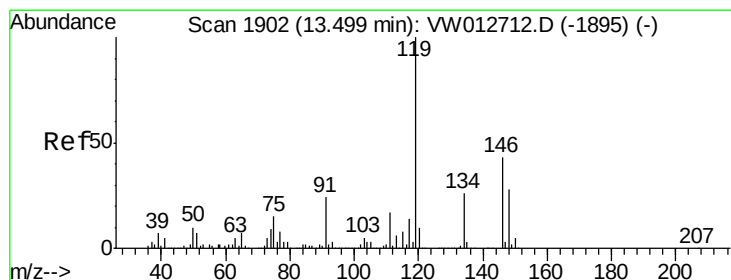
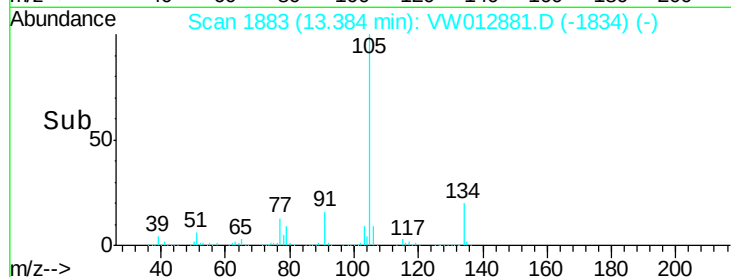
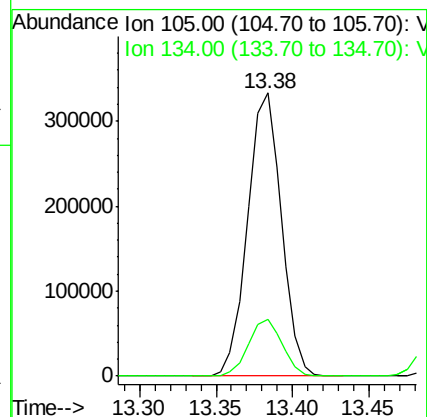
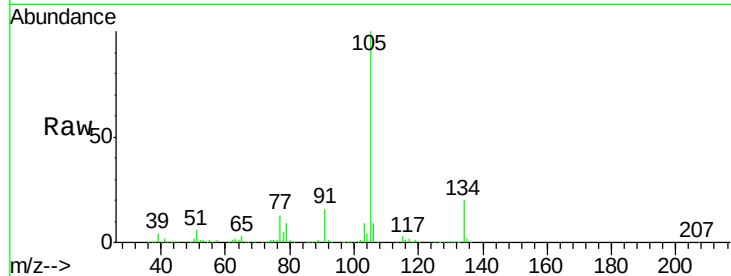
134 20.2 9.8 29.3

Manual Integrations

APPROVED

MMDadoda

9/11/2019 9:26:41 AM



#86

p-Isopropyltoluene

Concen: 52.852 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

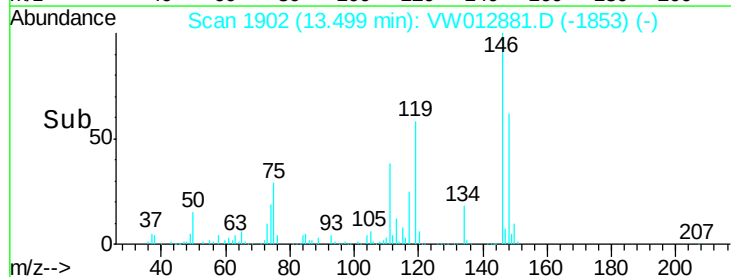
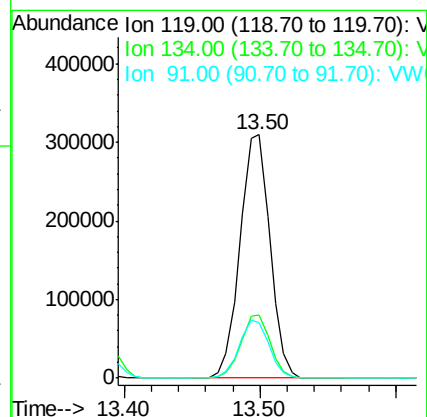
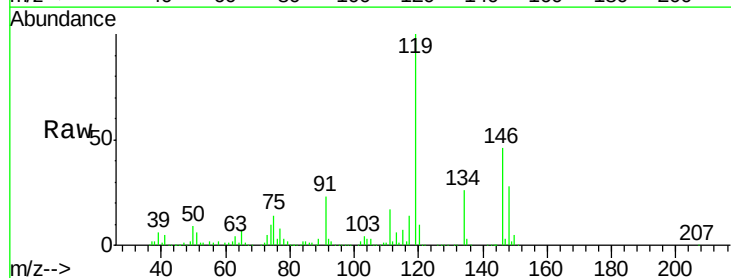
Tgt Ion:119 Resp: 475318

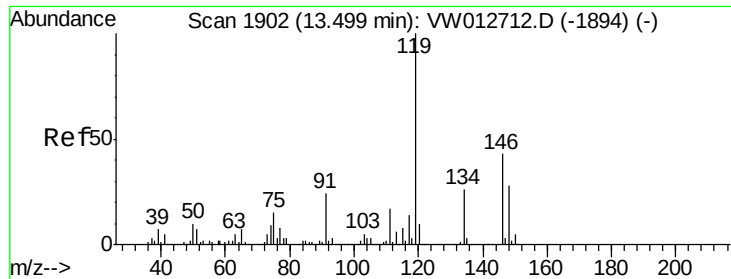
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 23.6 12.2 36.6





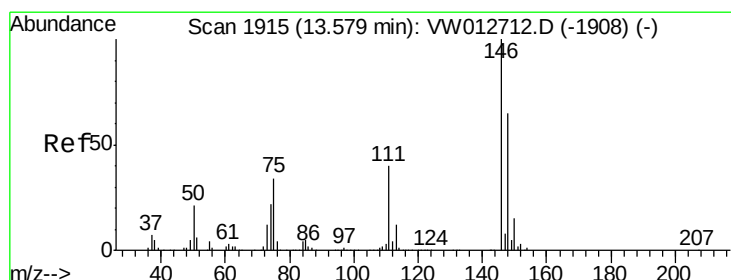
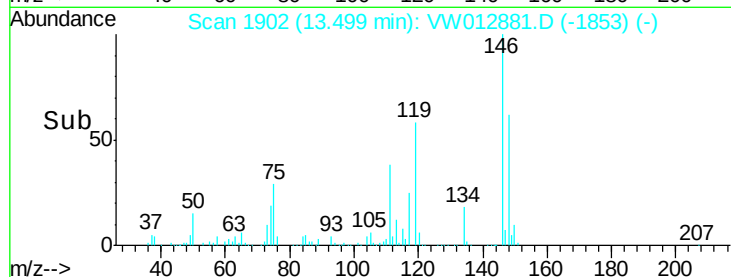
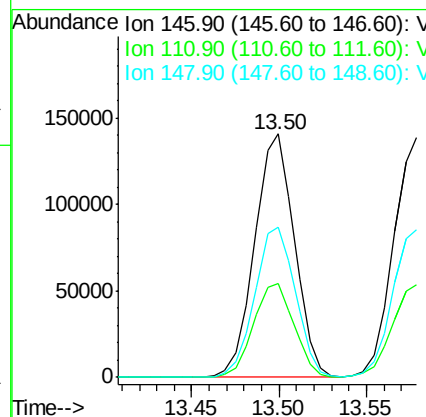
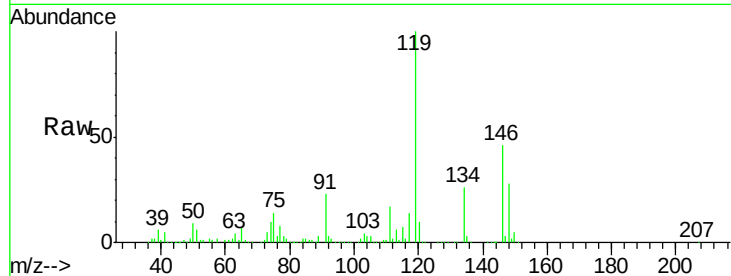
#87
 1,3-Dichlorobenzene
 Concen: 52.629 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	223191		
111	39.4	20.4	61.2	
148	63.1	31.8	95.4	

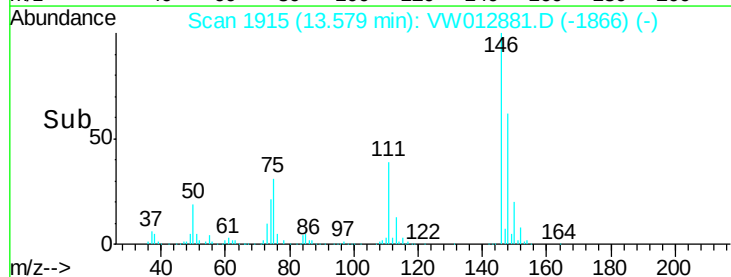
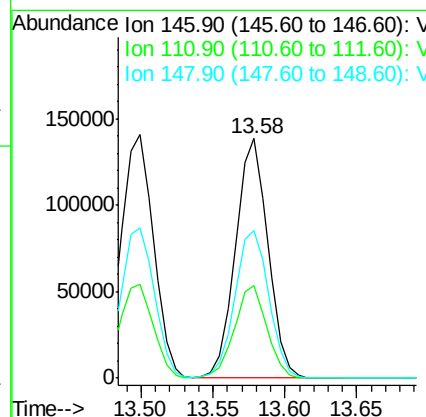
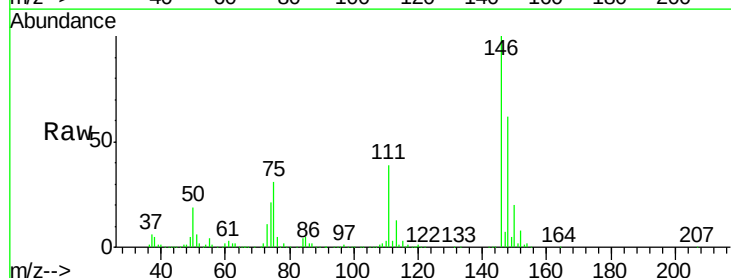
Manual Integrations
 APPROVED

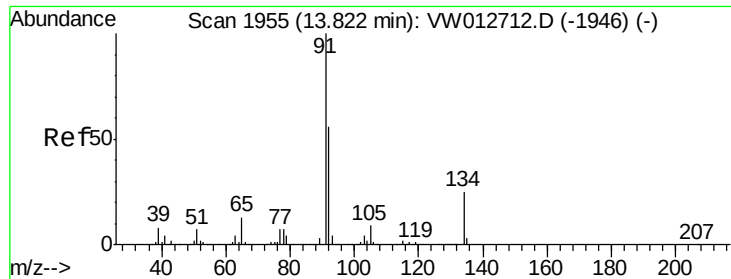
MMDadoda
 9/11/2019 9:26:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.777 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	218491		
111	38.9	20.0	60.0	
148	64.8	32.2	96.6	





#89

n-Butylbenzene

Concen: 51.422 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Instrument :

MSVOA_W

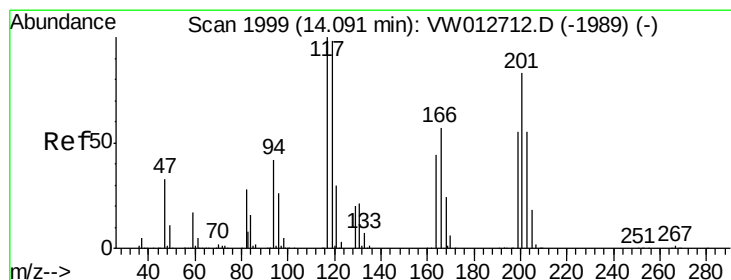
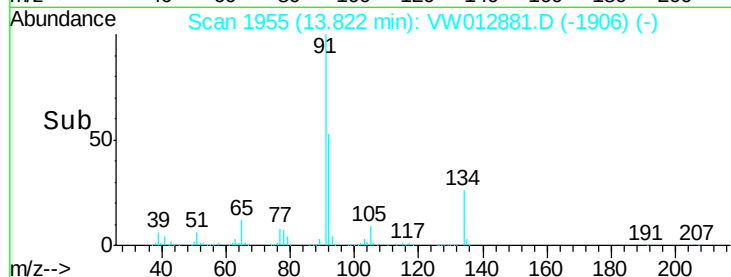
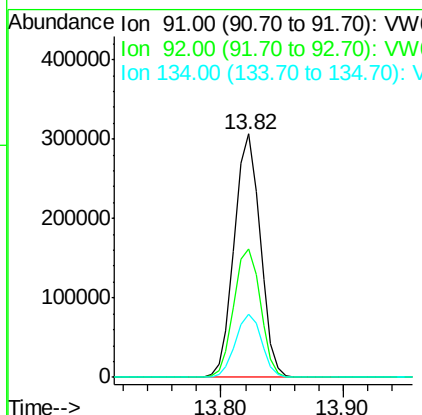
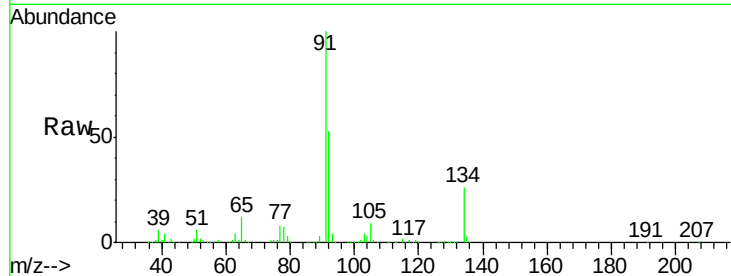
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	448969
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	26.3	12.7	38.1

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#90

Hexachloroethane

Concen: 52.190 ug/l

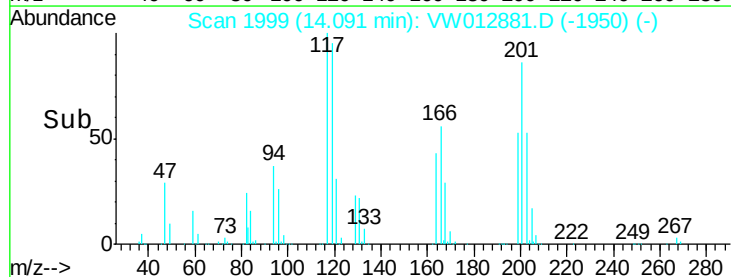
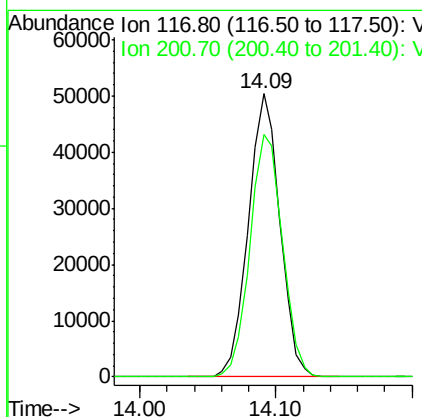
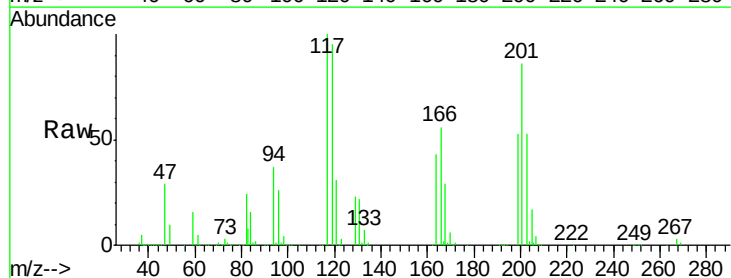
RT: 14.09 min Scan# 1999

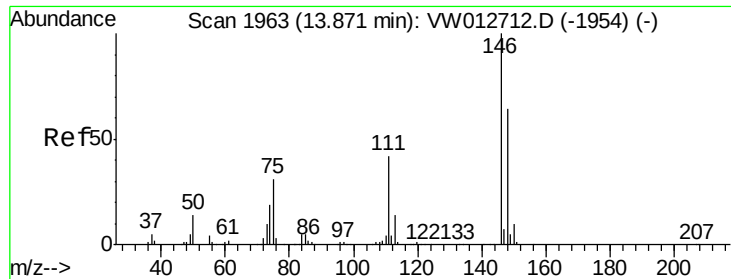
Delta R.T. 0.00 min

Lab File: VW012881.D

Acq: 10 Sep 2019 19:50

Tgt Ion:	117	Resp:	81939
Ion	Ratio	Lower	Upper
117	100		
201	88.4	42.8	128.4





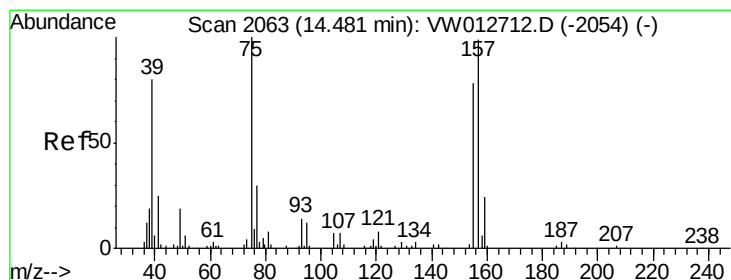
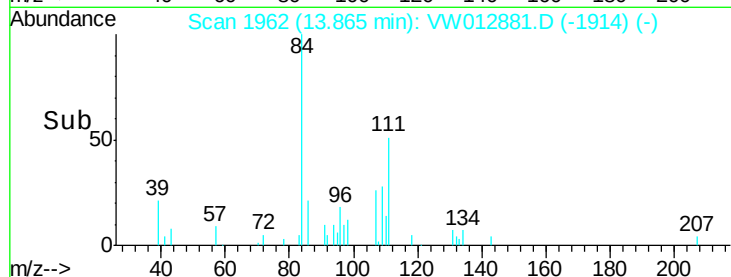
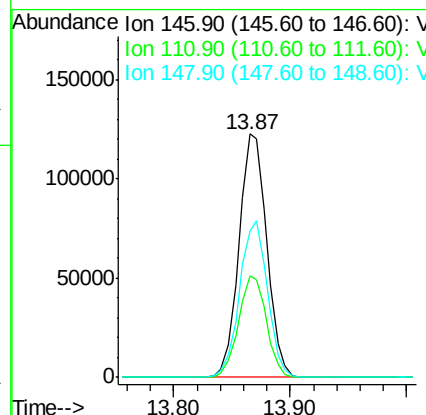
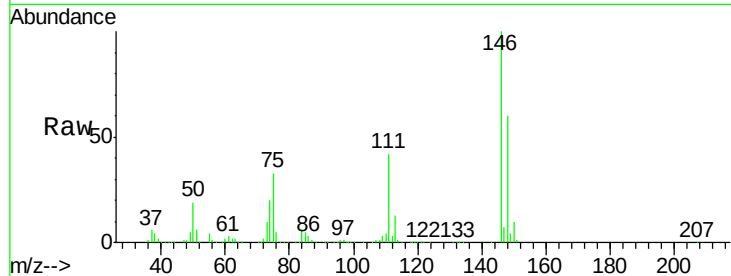
#91
 1,2-Dichlorobenzene
 Concen: 53.280 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	64.4	32.1	96.5

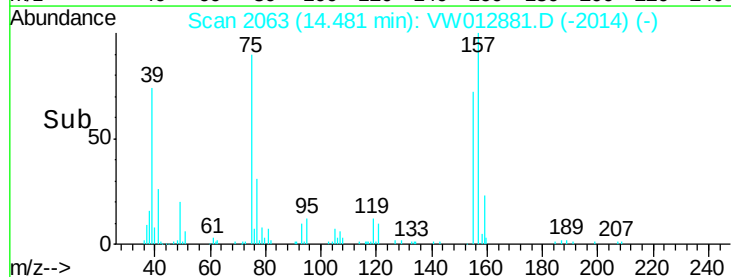
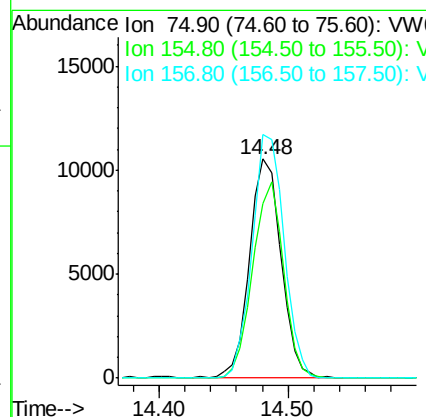
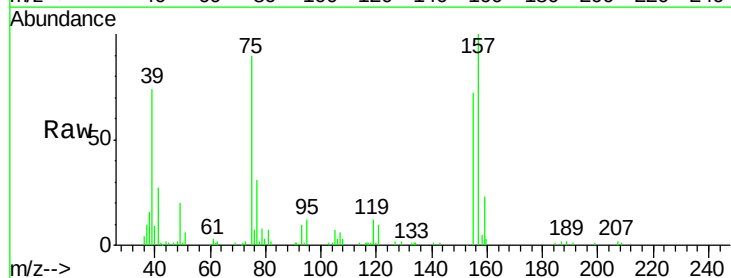
Manual Integrations
 APPROVED

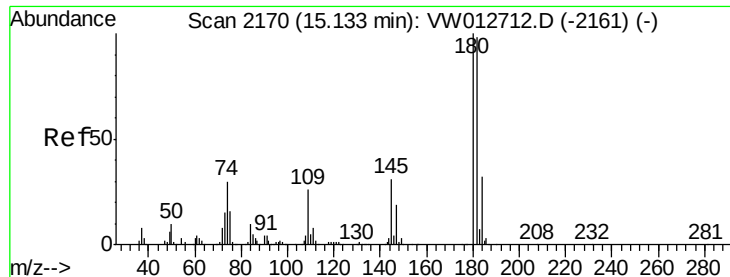
MMDadoda
 9/11/2019 9:26:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.811 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	40.6	122.0
157	111.9	52.5	157.5





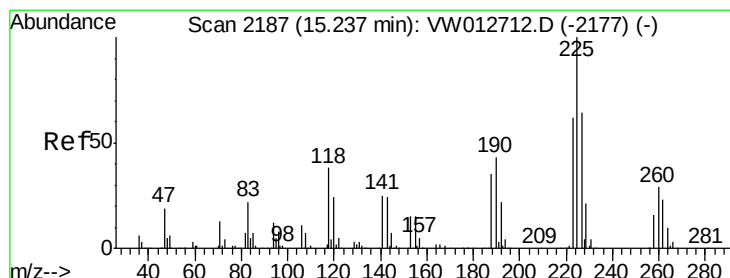
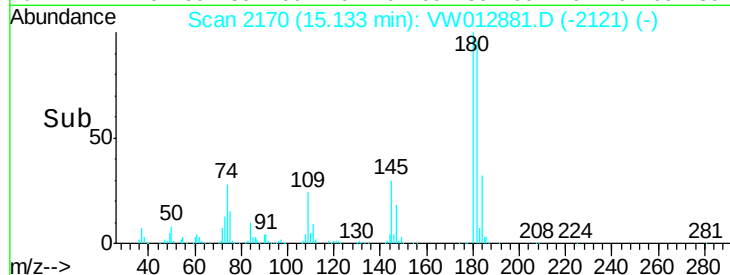
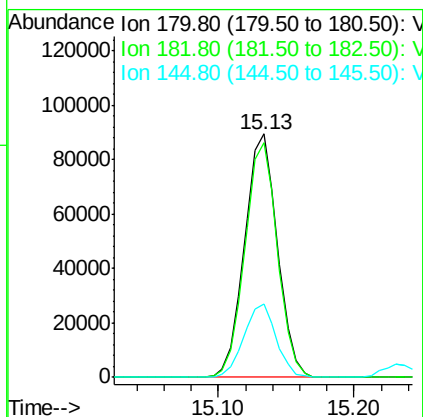
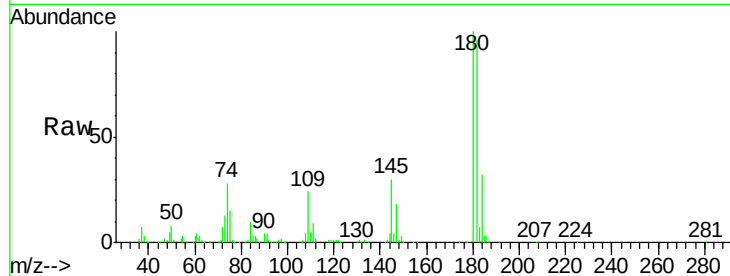
#93
 1,2,4-Trichlorobenzene
 Concen: 56.874 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151142		
182	95.3	48.7	146.1	
145	29.8	15.0	45.1	

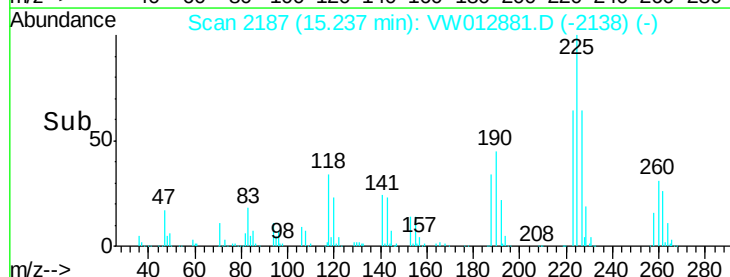
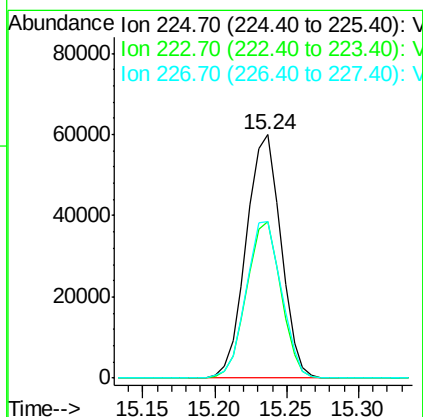
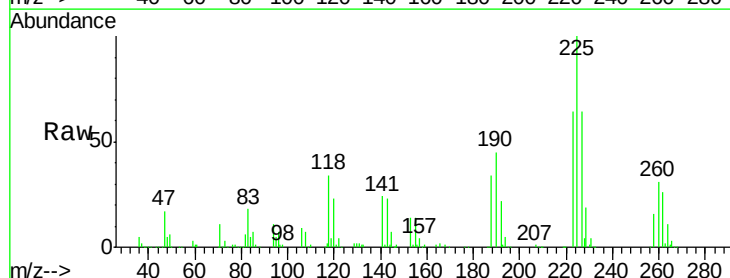
Manual Integrations
 APPROVED

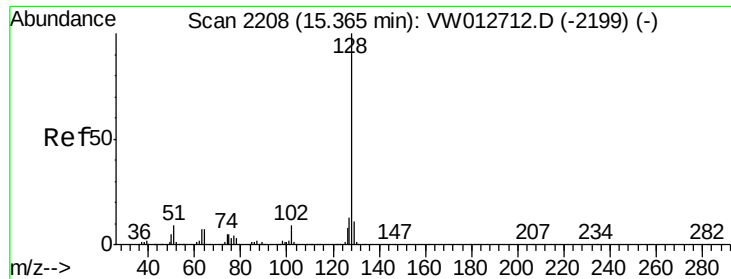
MMDadoda
 9/11/2019 9:26:41 AM



#94
 Hexachlorobutadiene
 Concen: 54.251 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012881.D
 Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99791		
223	63.5	31.1	93.3	
227	65.5	31.4	94.2	





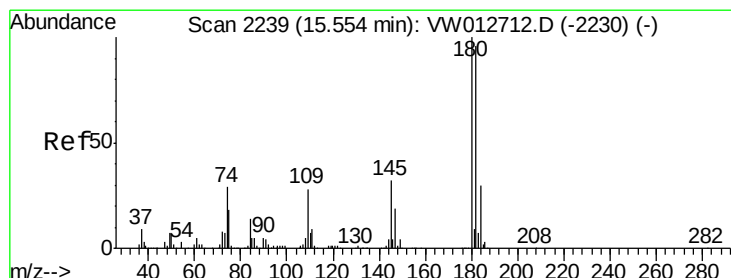
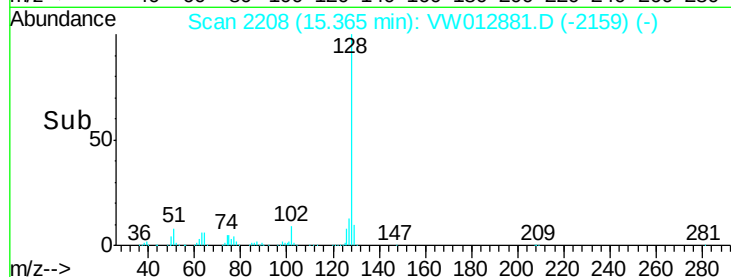
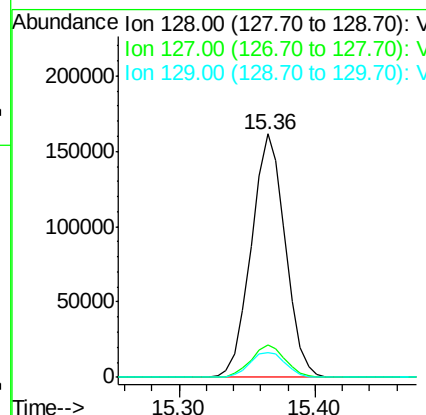
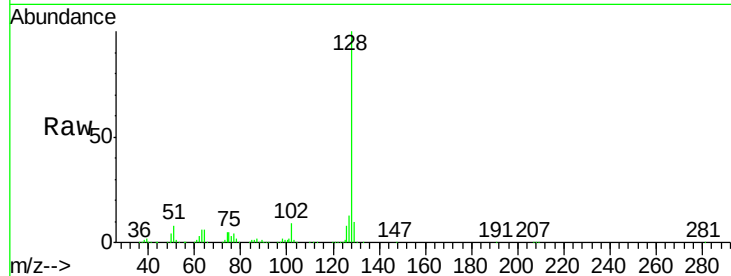
#95
Naphthalene
Concen: 50.704 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	282836		
127	13.5	10.7	16.1	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/11/2019 9:26:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.910 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012881.D
Acq: 10 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133497		
182	95.4	47.8	143.3	
145	30.7	15.4	46.2	

