

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013221.D
 Acq On : 23 Sep 2019 10:32
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:36 AM

Quant Time: Sep 24 06:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	531578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	155619	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.88	113	158199	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	10.32	98	656063	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	221927	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	112926	51.984	ug/l	98
3) Chloromethane	2.21	50	128335	45.958	ug/l	98
4) Vinyl Chloride	2.36	62	179355	49.820	ug/l	99
5) Bromomethane	2.78	94	112971	49.518	ug/l	89
6) Chloroethane	2.92	64	105232	49.590	ug/l	100
7) Trichlorofluoromethane	3.25	101	103500	49.858	ug/l	99
8) Diethyl Ether	3.67	74	85422	48.176	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	171888	50.859	ug/l	99
10) Methyl Iodide	4.27	142	261632	49.931	ug/l	99
11) Tert butyl alcohol	5.20	59	52004	234.413	ug/l	100
12) 1,1-Dichloroethene	4.04	96	178124	50.896	ug/l	99
13) Acrolein	3.89	56	46460	262.590	ug/l	98
14) Allyl chloride	4.67	41	289215	51.925	ug/l	99
15) Acrylonitrile	5.37	53	189066	247.042	ug/l	99
16) Acetone	4.12	43	201777	291.114	ug/l	97
17) Carbon Disulfide	4.38	76	531619	52.555	ug/l	99
18) Methyl Acetate	4.67	43	88995	45.677	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	270264	50.387	ug/l	100
20) Methylene Chloride	4.91	84	179293	50.615	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	191980	50.754	ug/l	99
22) Diisopropyl ether	6.31	45	536476	50.651	ug/l	99
23) Vinyl Acetate	6.25	43	1621159	258.004	ug/l	99
24) 1,1-Dichloroethane	6.21	63	319311	49.961	ug/l	99
25) 2-Butanone	7.17	43	261337	251.168	ug/l	96
26) 2,2-Dichloropropane	7.16	77	199986	52.461	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	200007	50.104	ug/l	99
28) Bromochloromethane	7.51	49	133908	54.590	ug/l	100
29) Tetrahydrofuran	7.53	42	155000	242.910	ug/l	99
30) Chloroform	7.67	83	302401	48.328	ug/l	97
31) Cyclohexane	7.95	56	324975	48.779	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	254190	50.157	ug/l	99
36) 1,1-Dichloropropene	8.08	75	265778	51.621	ug/l	99
37) Ethyl Acetate	7.24	43	109258	49.930	ug/l	99
38) Carbon Tetrachloride	8.07	117	240931	52.201	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013221.D
 Acq On : 23 Sep 2019 10:32
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:36 AM

Quant Time: Sep 24 06:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	347955	52.588	ug/l	98
40) Benzene	8.32	78	742783	51.721	ug/l	100
41) Methacrylonitrile	7.48	41	74158	56.783	ug/l	93
42) 1,2-Dichloroethane	8.40	62	194623	50.413	ug/l	99
43) Isopropyl Acetate	8.42	43	212588	50.690	ug/l	98
44) Trichloroethene	9.09	130	205789	51.073	ug/l	97
45) 1,2-Dichloropropane	9.37	63	178012	50.771	ug/l	97
46) Dibromomethane	9.46	93	84995	49.931	ug/l	97
47) Bromodichloromethane	9.64	83	225023	51.951	ug/l	96
48) Methyl methacrylate	9.43	41	107411	54.466	ug/l	94
49) 1,4-Dioxane	9.46	88	23459	918.094	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	526539	250.436	ug/l	98
52) Toluene	10.38	92	475575	51.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	235561	52.934	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	287434	53.123	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	129644	50.954	ug/l	99
56) Ethyl methacrylate	10.65	69	175806	52.798	ug/l	99
57) 1,3-Dichloropropane	10.93	76	226499	51.014	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	417941	271.122	ug/l	100
59) 2-Hexanone	10.97	43	396011	273.771	ug/l	100
60) Dibromochloromethane	11.13	129	155028	53.661	ug/l	100
61) 1,2-Dibromoethane	11.23	107	123820	51.184	ug/l	100
64) Tetrachloroethene	10.86	164	179827	51.538	ug/l	98
65) Chlorobenzene	11.66	112	483907	50.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	171066	52.143	ug/l	99
67) Ethyl Benzene	11.73	91	902348	51.860	ug/l	99
68) m/p-Xylenes	11.84	106	690721	104.176	ug/l	99
69) o-Xylene	12.16	106	319364	51.808	ug/l	98
70) Styrene	12.18	104	557947	52.721	ug/l	100
71) Bromoform	12.35	173	92001	53.081	ug/l #	100
73) Isopropylbenzene	12.46	105	899231	52.041	ug/l	99
74) N-amyl acetate	12.27	43	197483	51.505	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	145568	50.373	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	110812m	53.642	ug/l	
77) Bromobenzene	12.74	156	208152	50.834	ug/l	99
78) n-propylbenzene	12.80	91	1055336	52.177	ug/l	100
79) 2-Chlorotoluene	12.89	91	585774	51.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	748913	51.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	49469	53.735	ug/l	96
82) 4-Chlorotoluene	12.99	91	610881	51.123	ug/l	100
83) tert-Butylbenzene	13.21	119	663400	52.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	743483	51.439	ug/l	99
85) sec-Butylbenzene	13.38	105	916573	52.147	ug/l	100
86) p-Isopropyltoluene	13.50	119	850101	52.146	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	401223	50.913	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	397964	51.491	ug/l	100
89) n-Butylbenzene	13.82	91	791354	53.162	ug/l	100
90) Hexachloroethane	14.09	117	147461	53.844	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	352966	51.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22237	50.308	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013221.D
Acq On : 23 Sep 2019 10:32
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

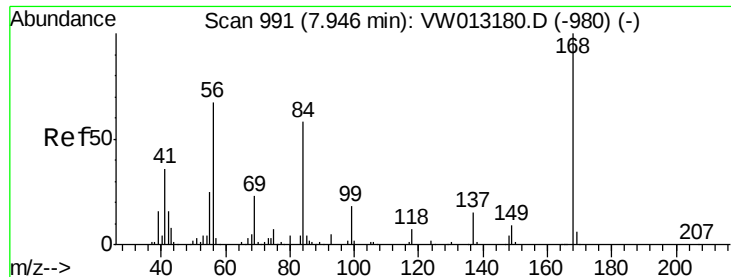
Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM

Quant Time: Sep 24 06:51:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	266553	54.561	ug/l	99
94) Hexachlorobutadiene	15.24	225	170849	51.117	ug/l	99
95) Naphthalene	15.36	128	444699	55.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	228694	54.176	ug/l	99

(#) = 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: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 376593

Ion Ratio Lower Upper

168 100

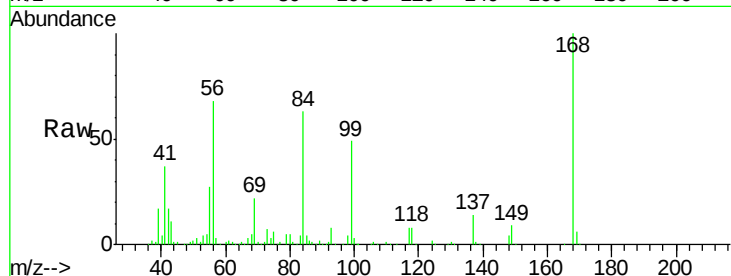
99 48.5 40.2 60.4

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

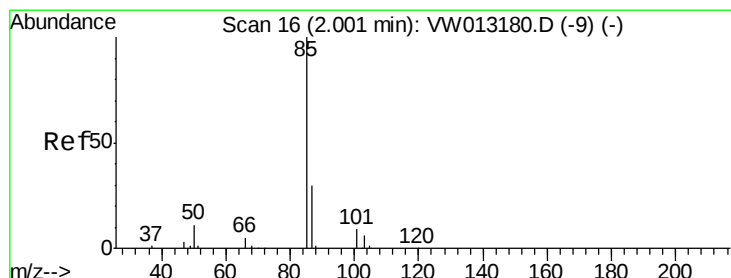
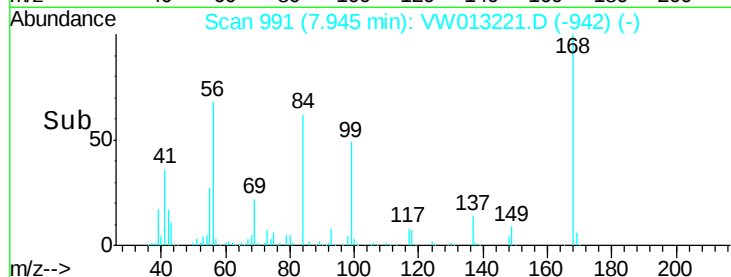
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 51.984 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013221.D

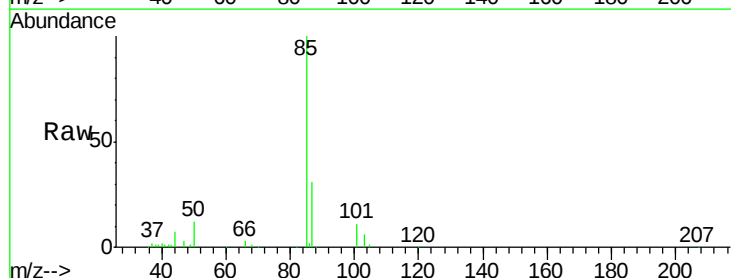
Acq: 23 Sep 2019 10:32

Tgt Ion: 85 Resp: 112926

Ion Ratio Lower Upper

85 100

87 31.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

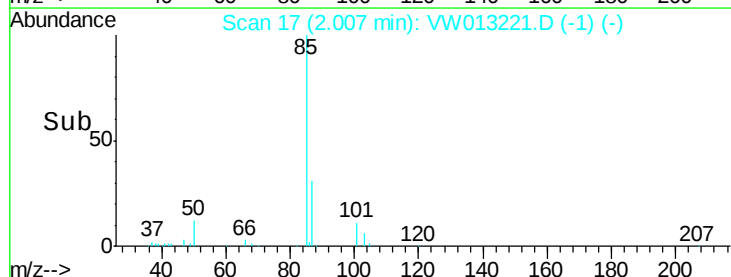
20000

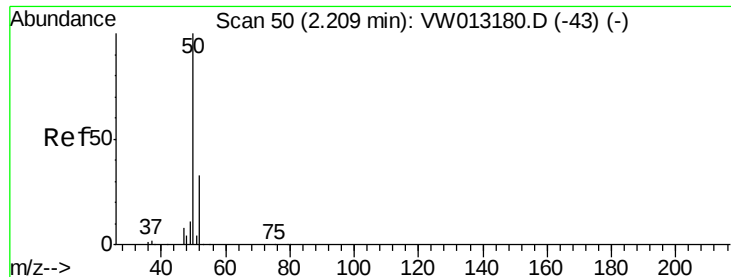
10000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 45.958 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 128335

Ion Ratio Lower Upper

50 100

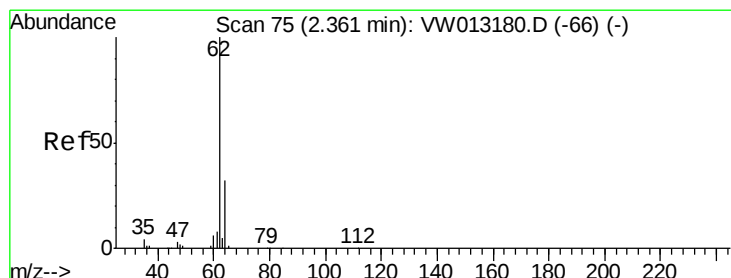
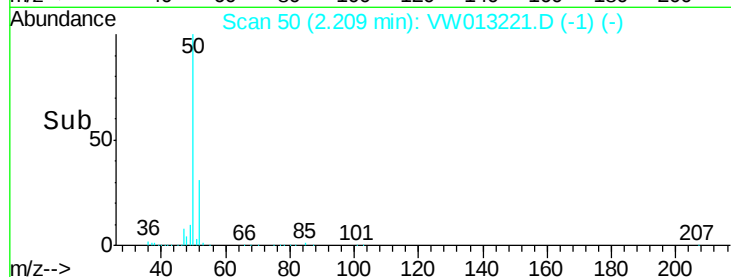
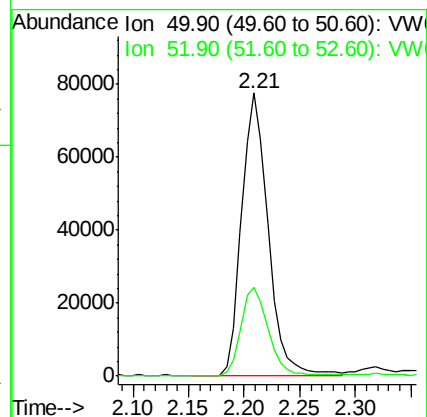
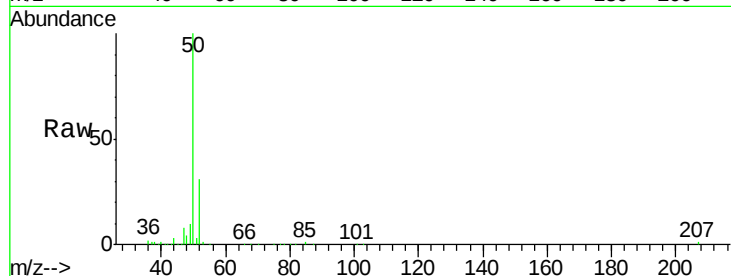
52 31.3 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#4

Vinyl Chloride

Concen: 49.820 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013221.D

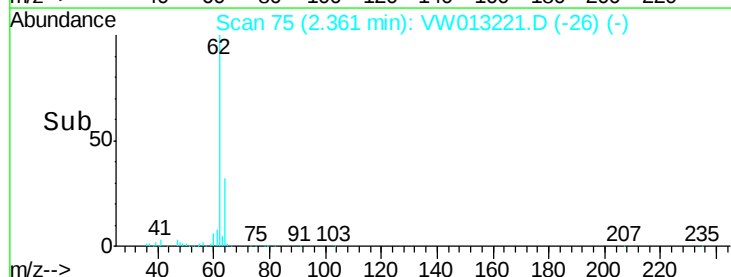
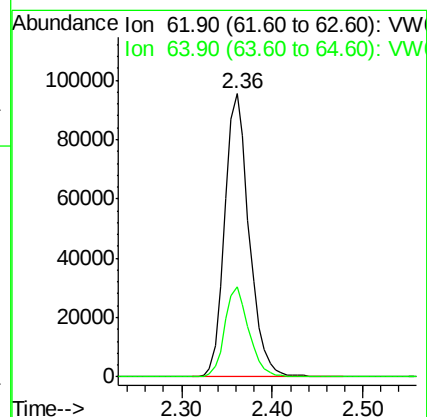
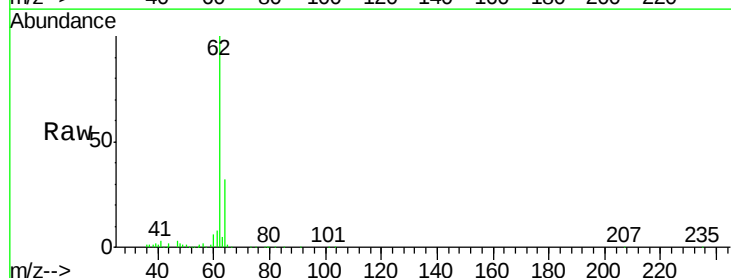
Acq: 23 Sep 2019 10:32

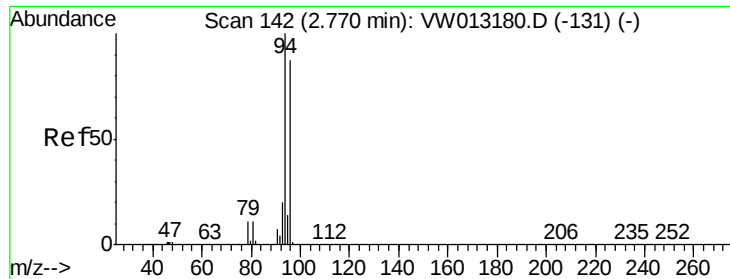
Tgt Ion: 62 Resp: 179355

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 49.518 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 112971

Ion Ratio Lower Upper

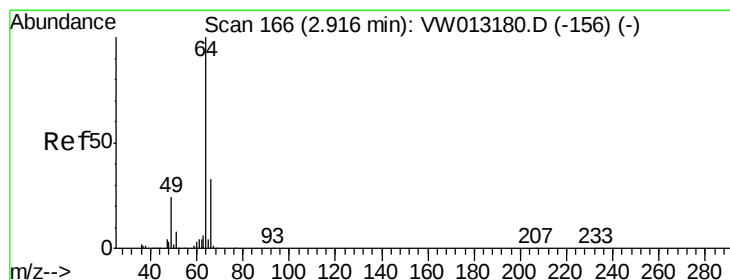
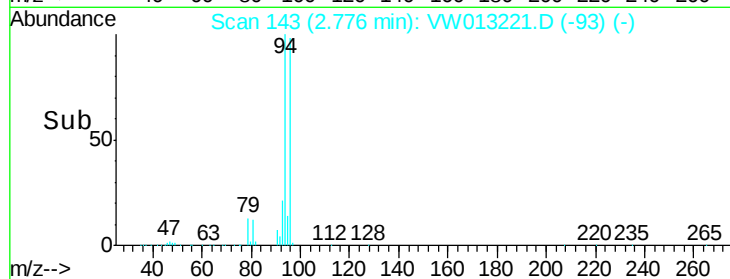
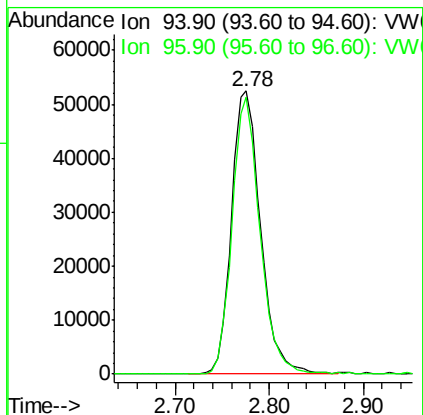
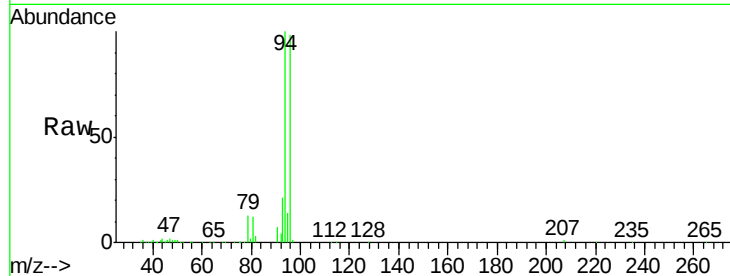
94 100

96 97.7 69.7 104.5

Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#6

Chloroethane

Concen: 49.590 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013221.D

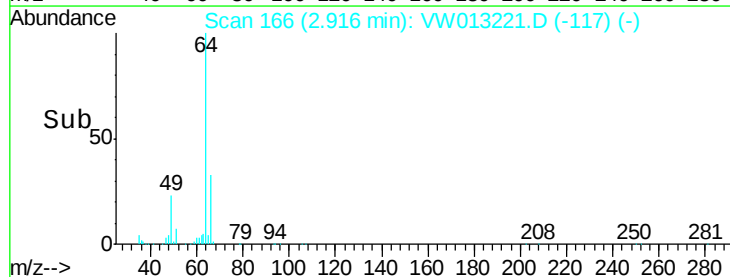
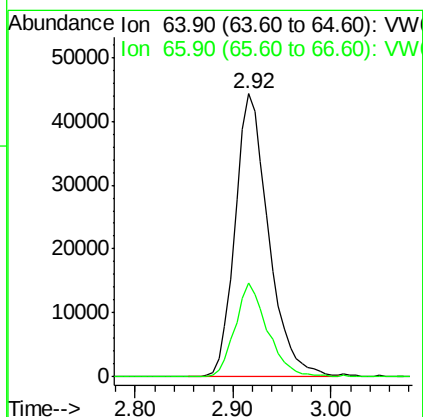
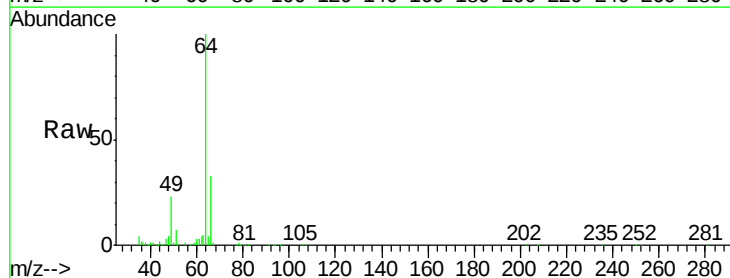
Acq: 23 Sep 2019 10:32

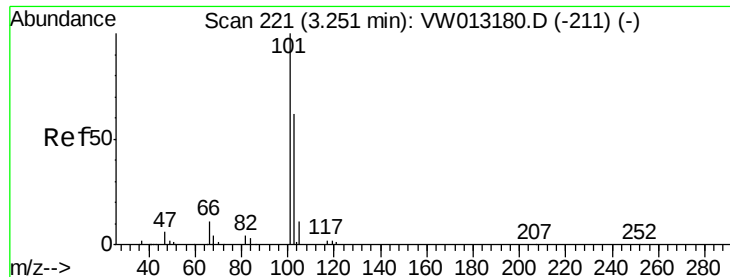
Tgt Ion: 64 Resp: 105232

Ion Ratio Lower Upper

64 100

66 33.3 26.6 39.8





#7

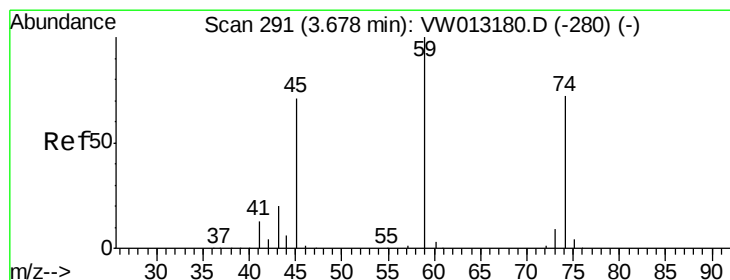
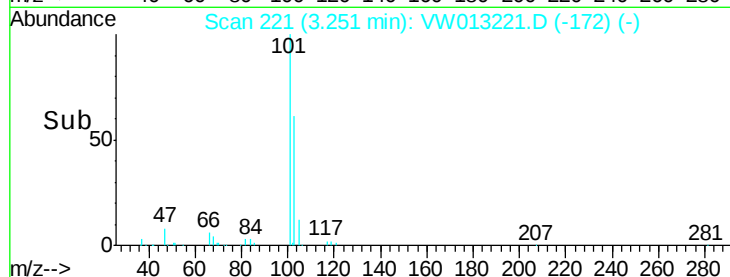
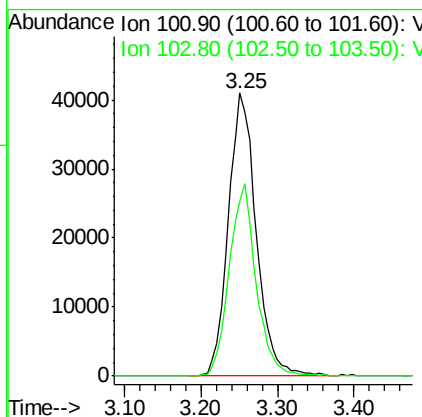
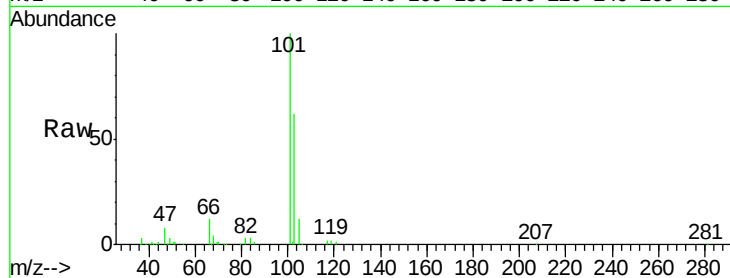
Trichlorofluoromethane
 Concen: 49.858 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.7	74.5

Manual Integrations
 APPROVED

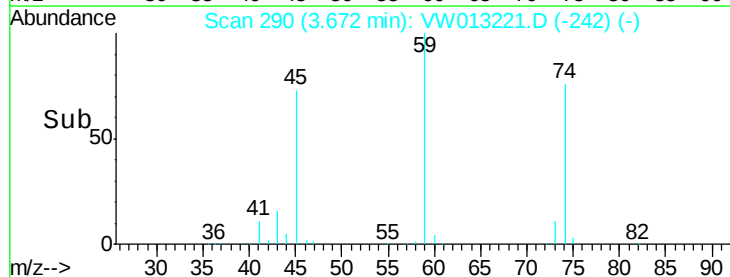
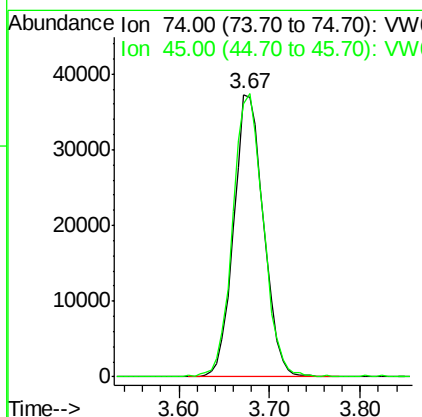
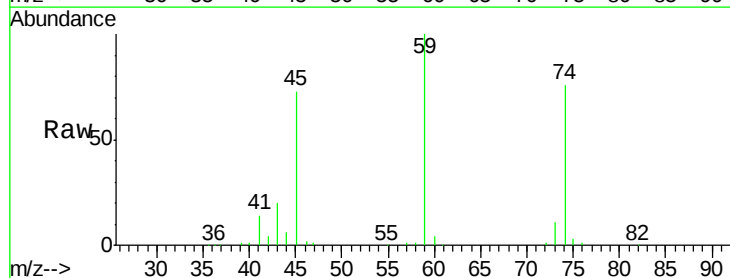
MMDadoda
 9/25/2019 12:35:36 AM

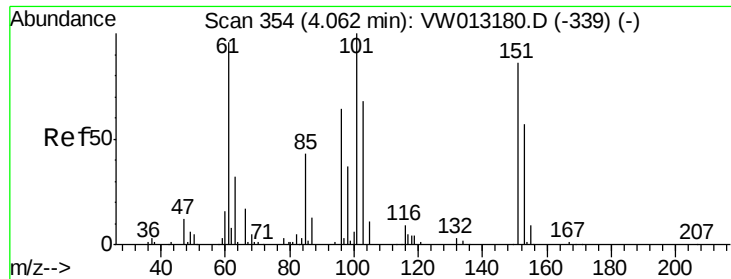


#8

Diethyl Ether
 Concen: 48.176 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.859 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 171888

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.0

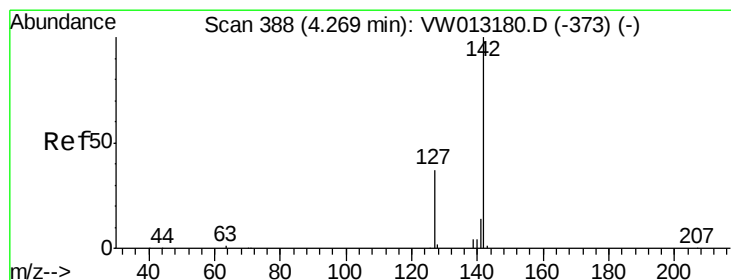
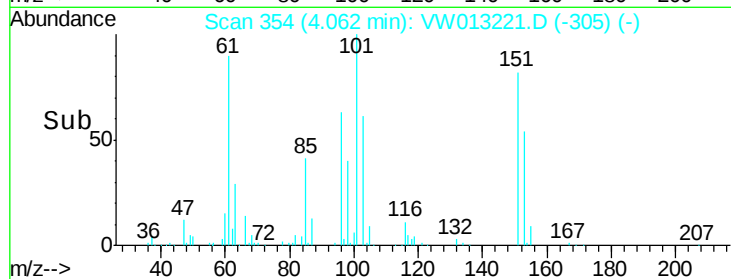
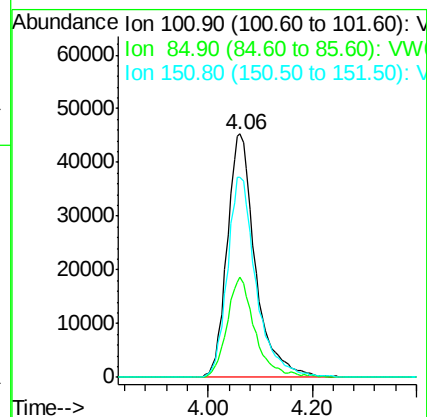
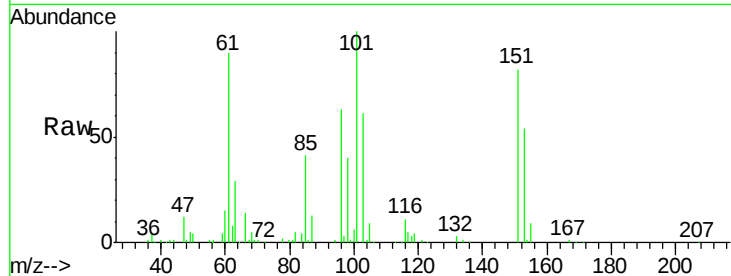
151 84.1 66.9 100.3

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#10

Methyl Iodide

Concen: 49.931 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

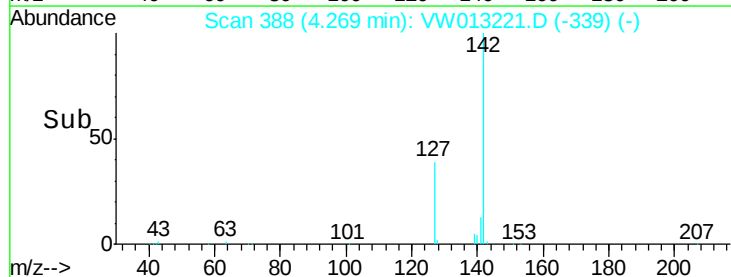
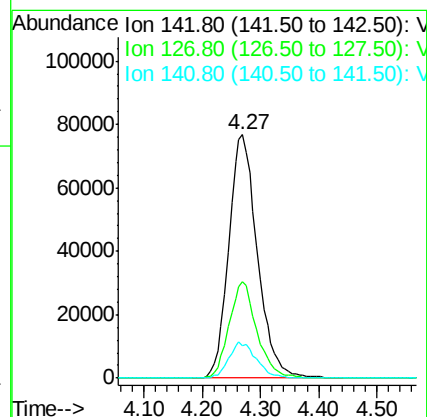
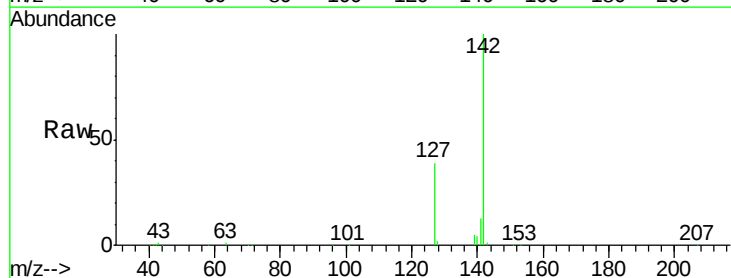
Tgt Ion:142 Resp: 261632

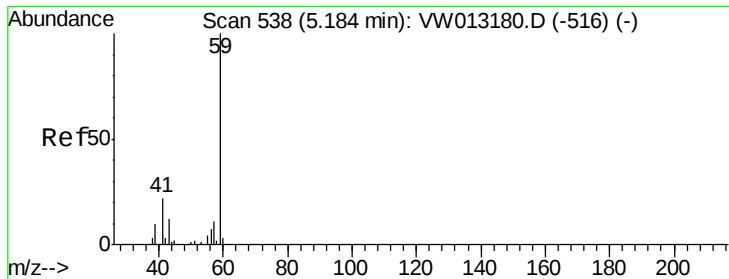
Ion Ratio Lower Upper

142 100

127 38.2 30.9 46.3

141 14.4 11.7 17.5





#11

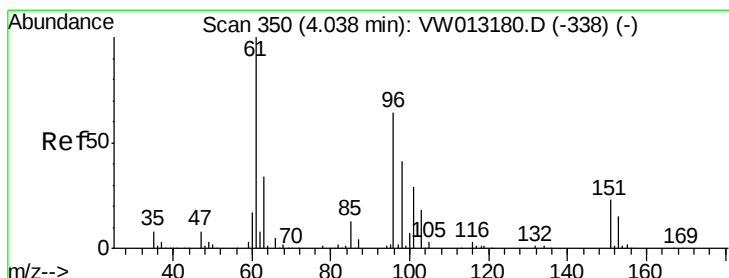
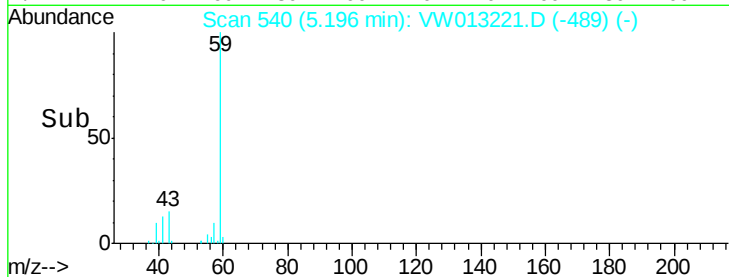
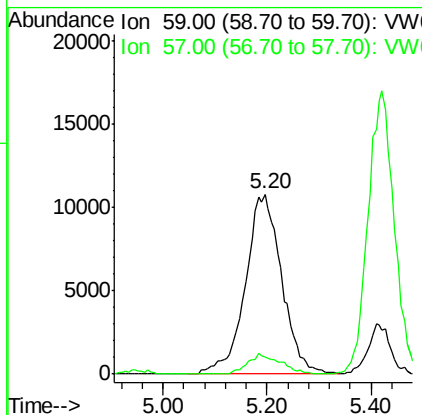
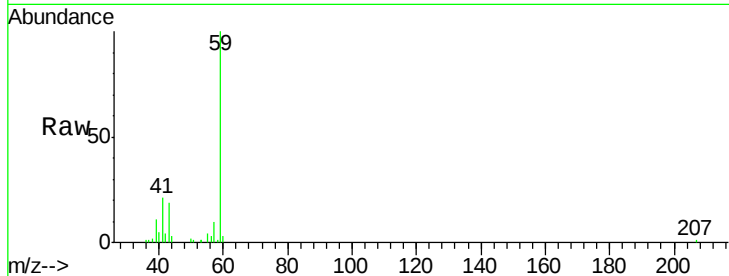
Tert butyl alcohol
Concen: 234.413 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
APPROVED

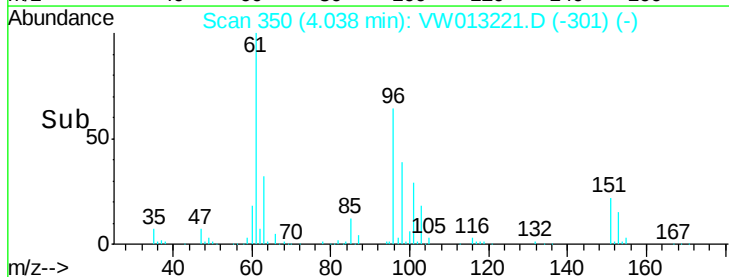
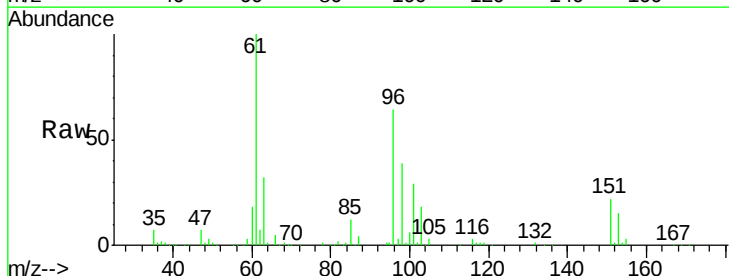
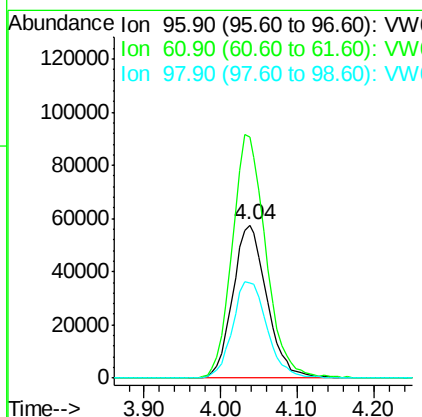
MMDadoda
9/25/2019 12:35:36 AM

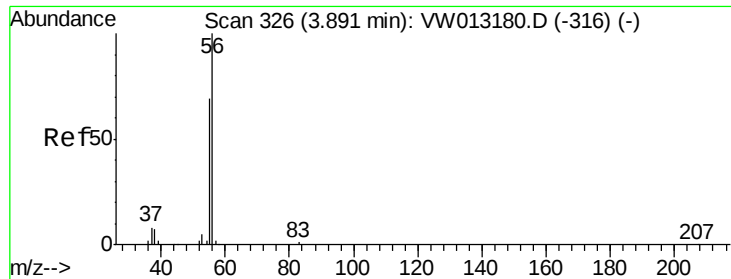


#12

1,1-Dichloroethene
Concen: 50.896 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	125.1	187.7
98	61.9	50.8	76.2





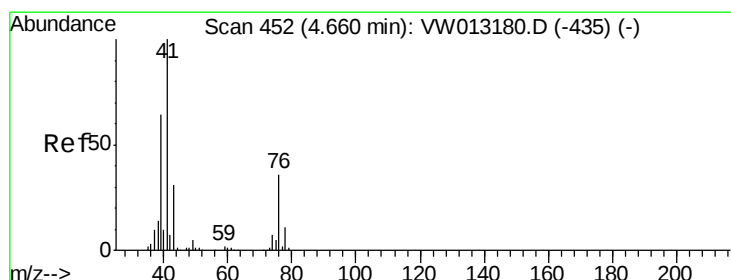
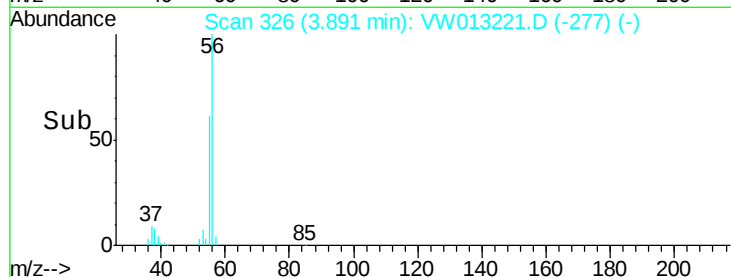
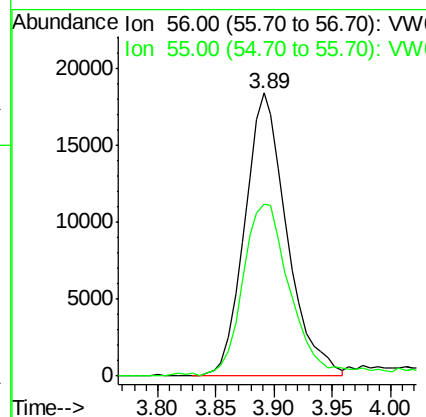
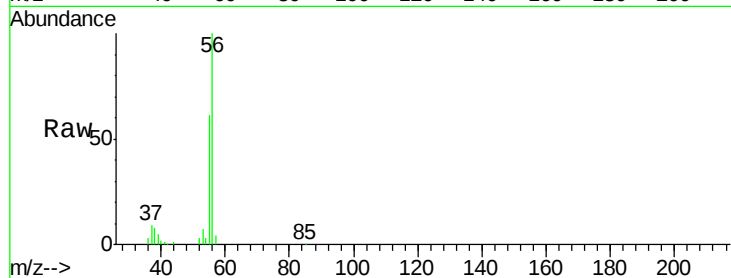
#13
Acrolein
Concen: 262.590 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	46460
Ion Ratio	100	Lower	Upper
55	67.9	55.4	83.0

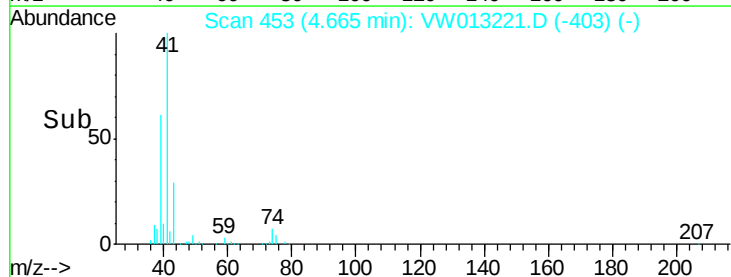
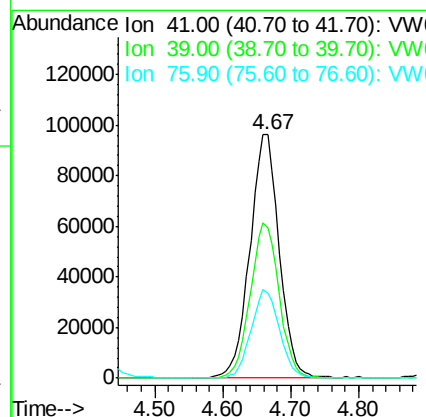
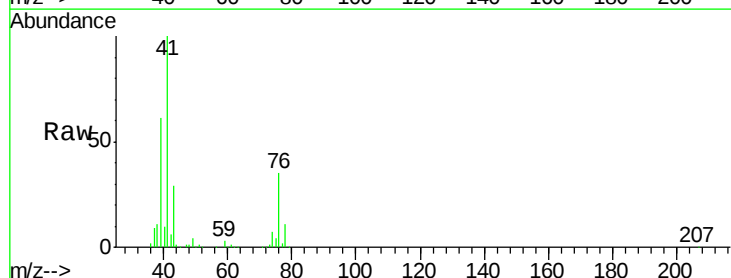
Manual Integrations
APPROVED

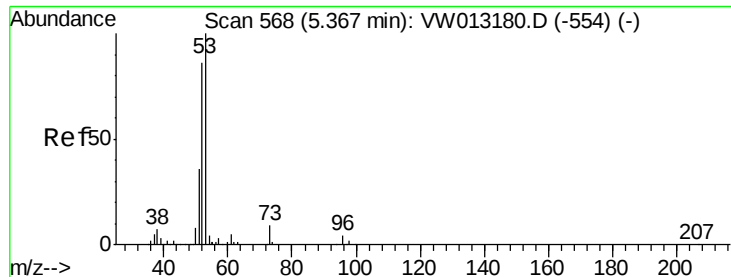
MMDadoda
9/25/2019 12:35:36 AM



#14
Allyl chloride
Concen: 51.925 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	41	Resp	289215
Ion Ratio	100	Lower	Upper
39	62.8	51.0	76.4
76	35.3	28.4	42.6





#15

Acrylonitrile

Concen: 247.042 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

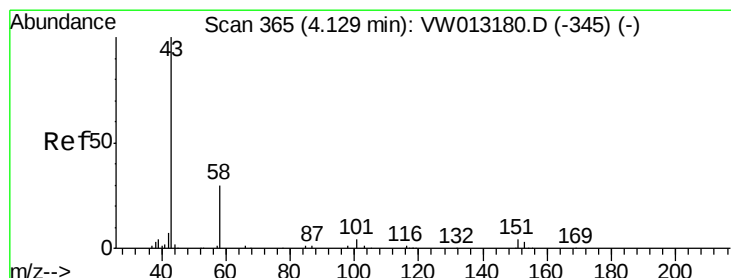
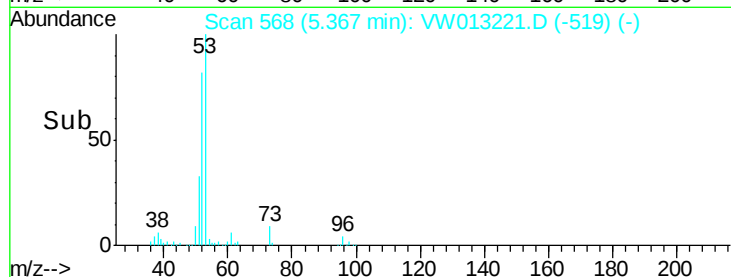
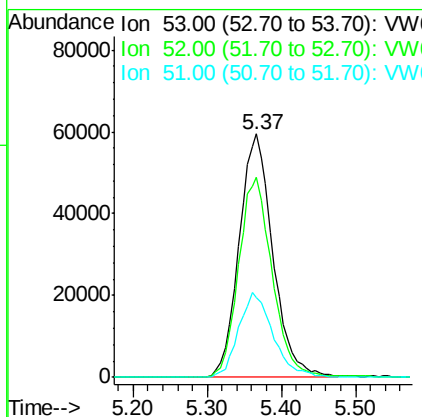
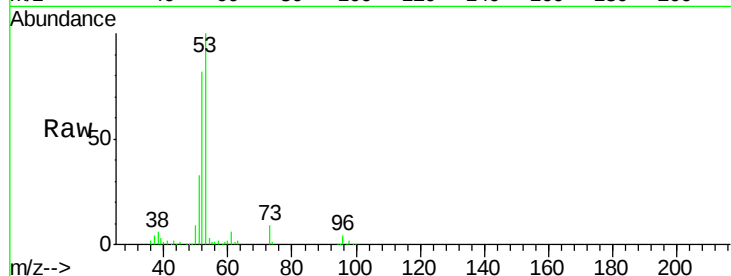
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	189066
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.3	97.9
51	35.6	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#16

Acetone

Concen: 291.114 ug/l

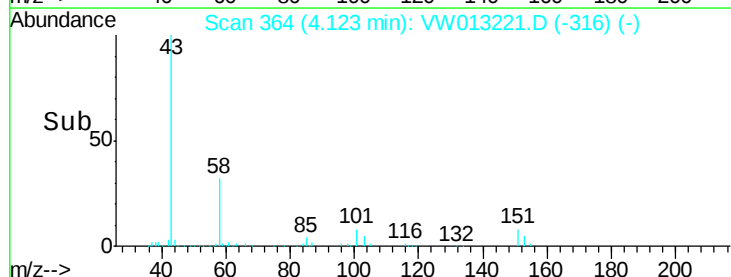
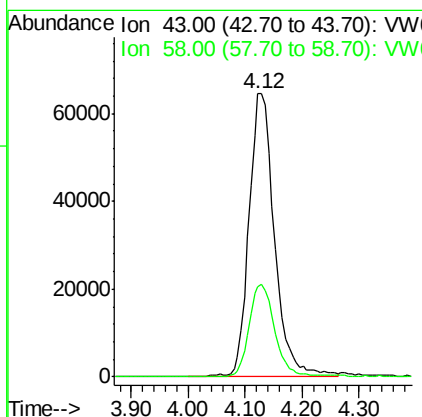
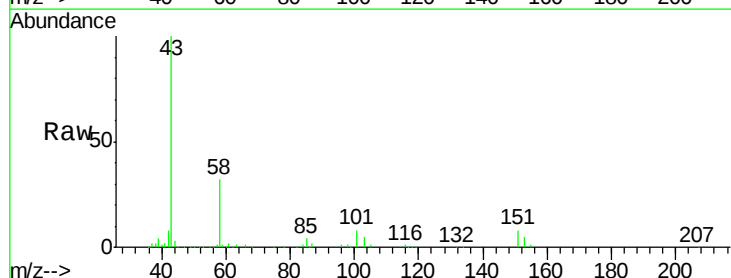
RT: 4.12 min Scan# 364

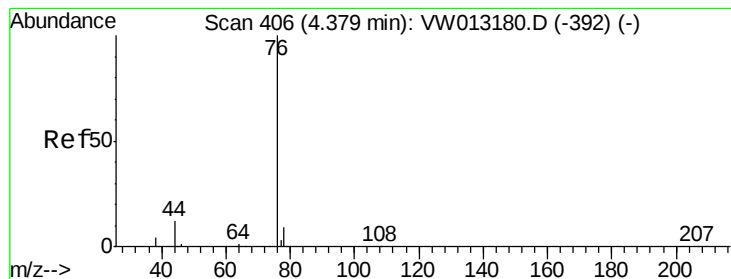
Delta R.T. -0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	43	Resp:	201777
Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.1	36.1





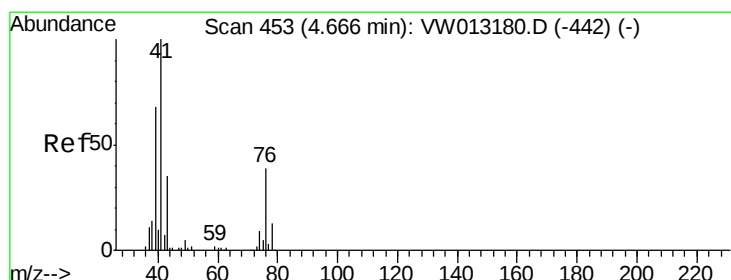
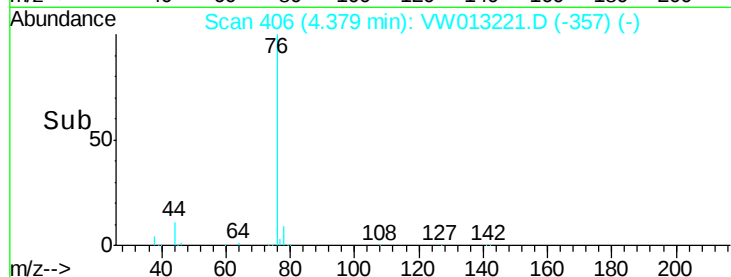
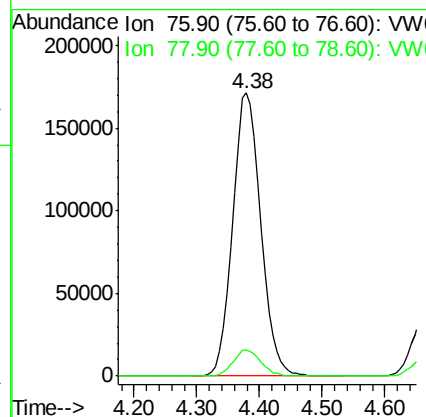
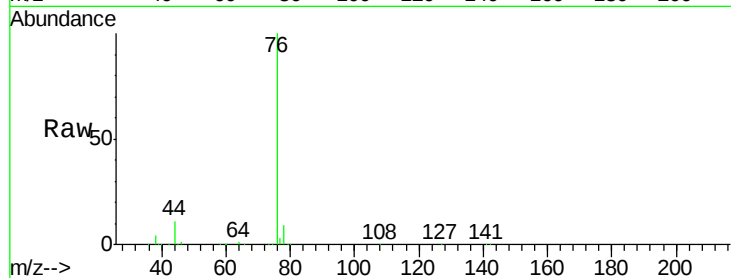
#17
Carbon Disulfide
Concen: 52.555 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

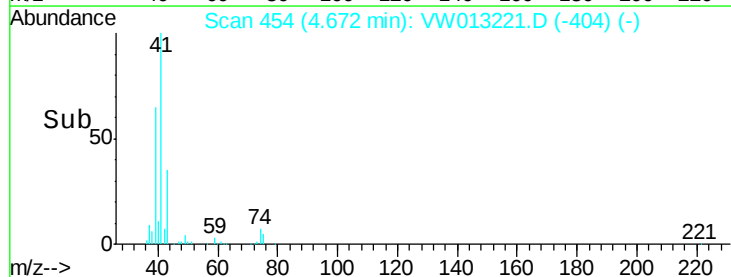
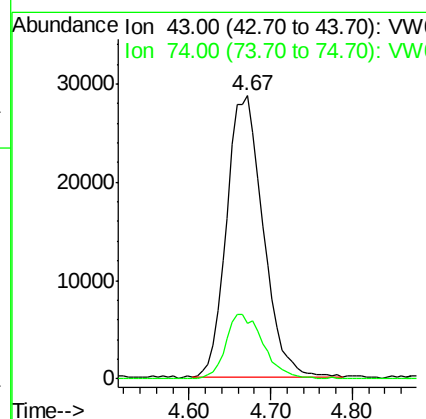
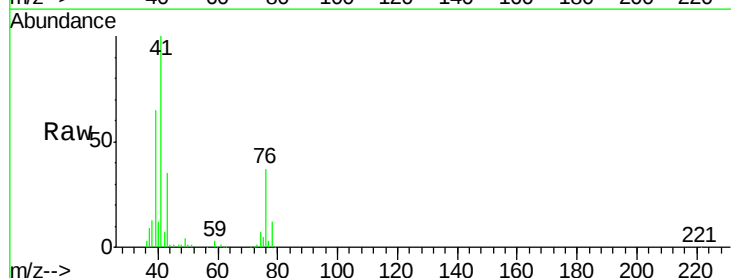
Manual Integrations
APPROVED

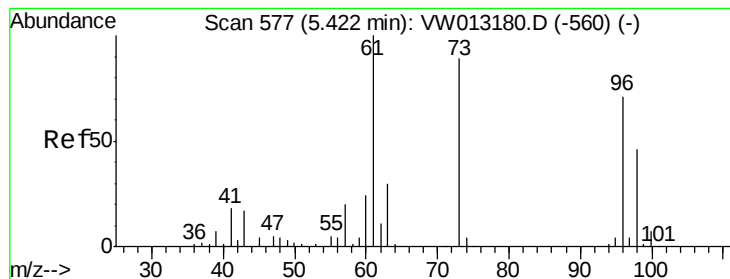
MMDadoda
9/25/2019 12:35:36 AM



#18
Methyl Acetate
Concen: 45.677 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.3	28.9





#19

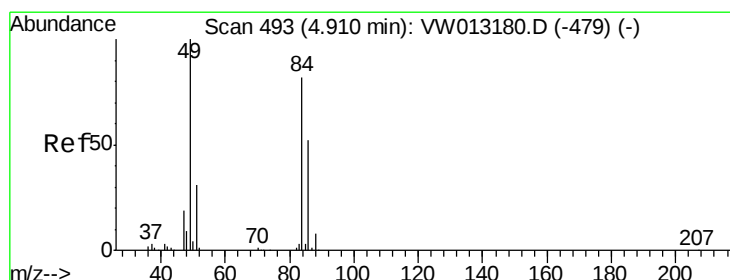
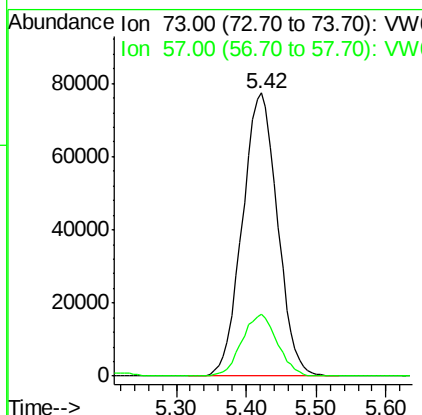
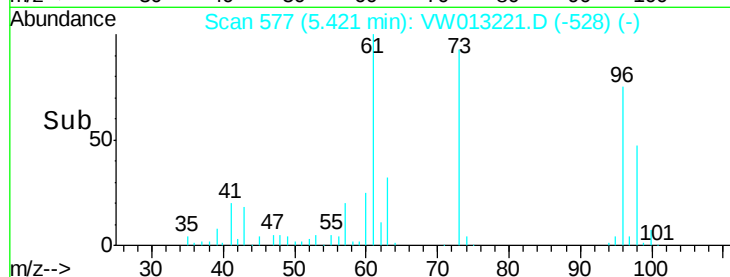
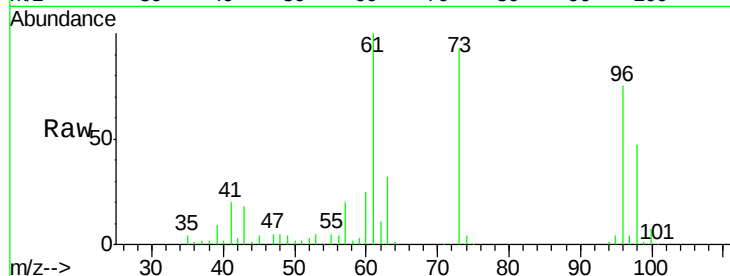
Methyl tert-butyl Ether
 Concen: 50.387 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4

Manual Integrations
 APPROVED

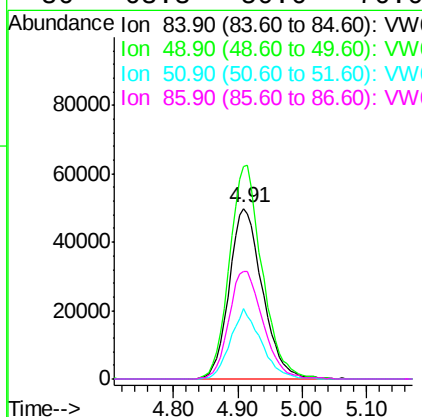
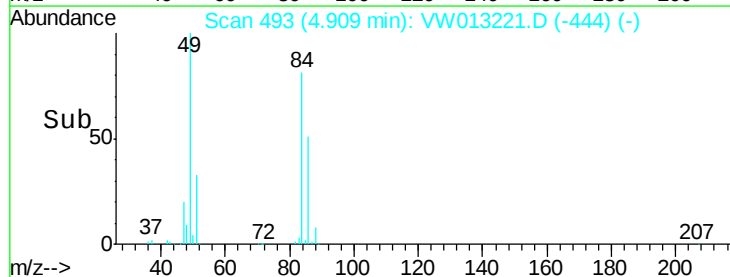
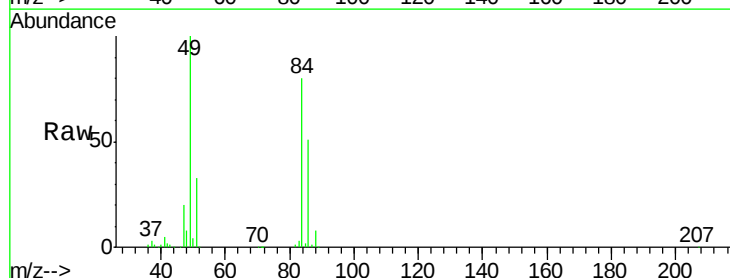
MMDadoda
 9/25/2019 12:35:36 AM

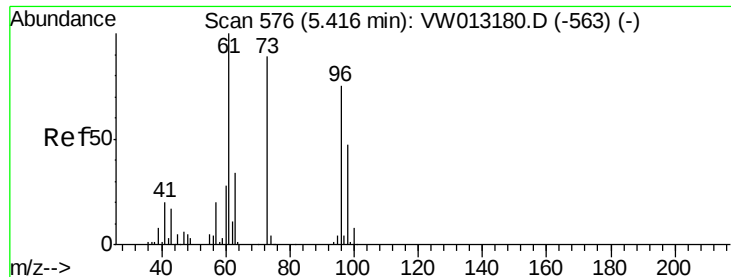


#20

Methylene Chloride
 Concen: 50.615 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	97.6	146.4
51	41.1	30.2	45.2
86	63.3	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 50.754 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

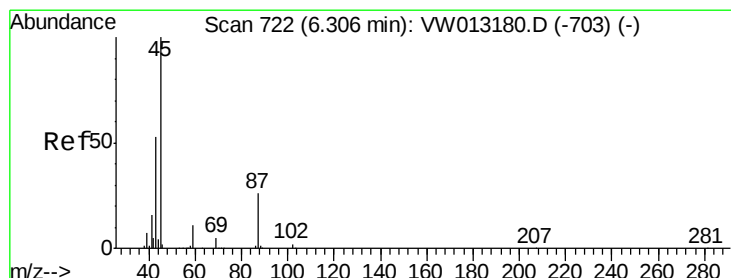
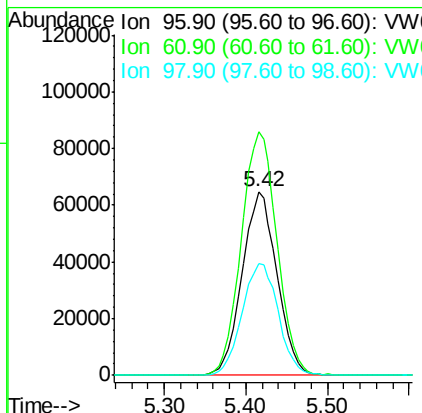
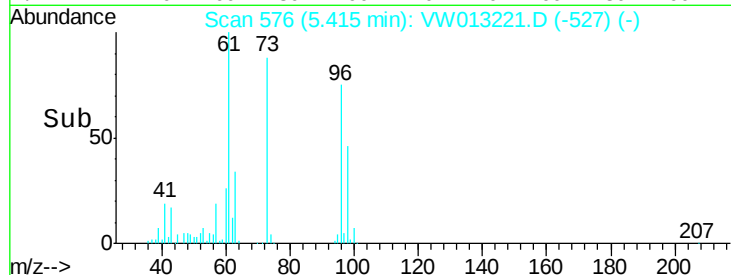
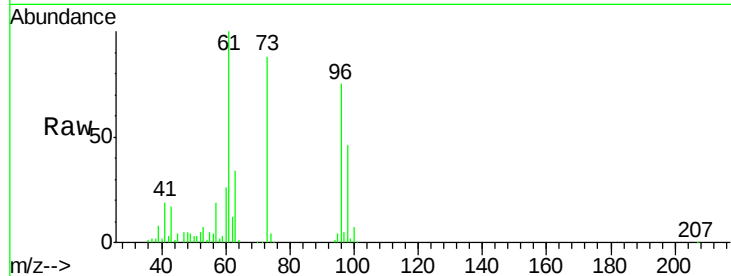
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	191980
Ion	Ratio	Lower	Upper
96	100		
61	132.7	106.6	159.8
98	61.0	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#22

Diisopropyl ether

Concen: 50.651 ug/l

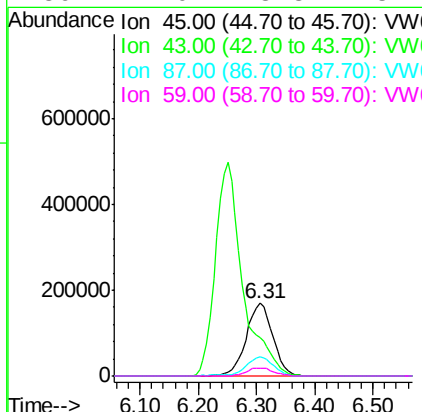
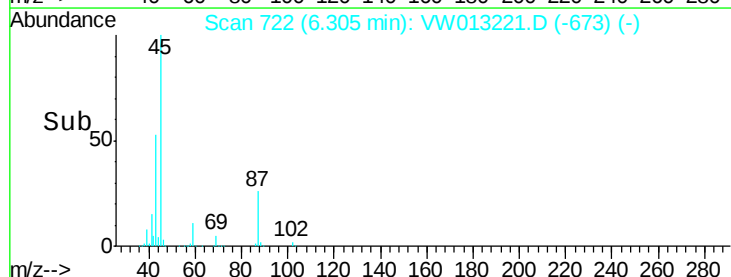
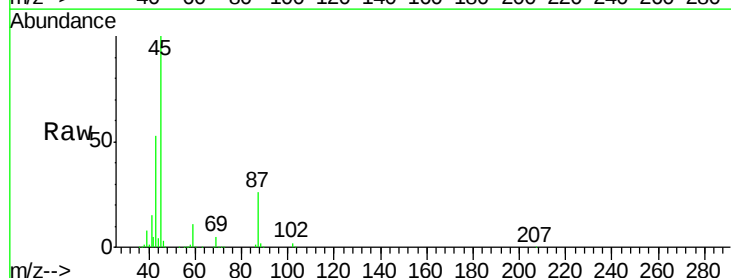
RT: 6.31 min Scan# 722

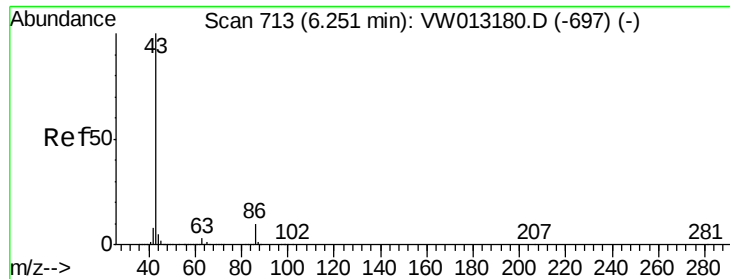
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	45	Resp:	536476
Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.4	63.6
87	26.0	20.4	30.6
59	11.0	8.8	13.2





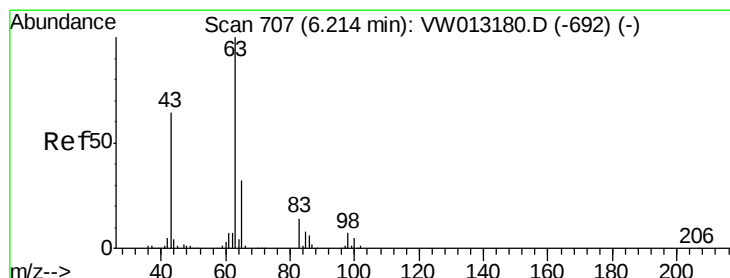
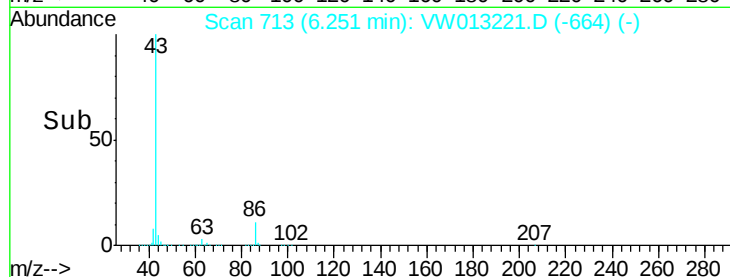
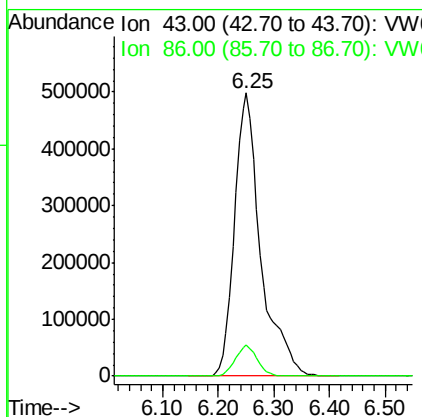
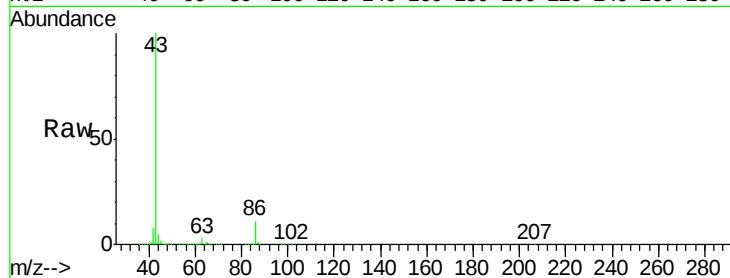
#23
 Vinyl Acetate
 Concen: 258.004 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1621159
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.3 12.5

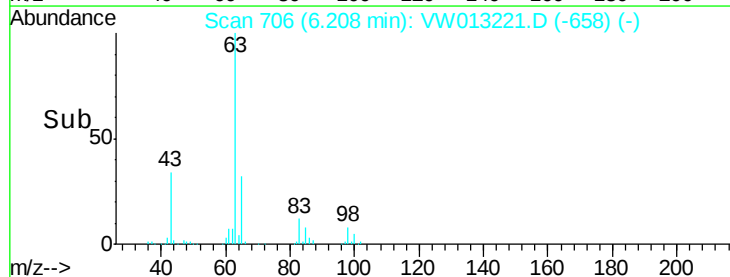
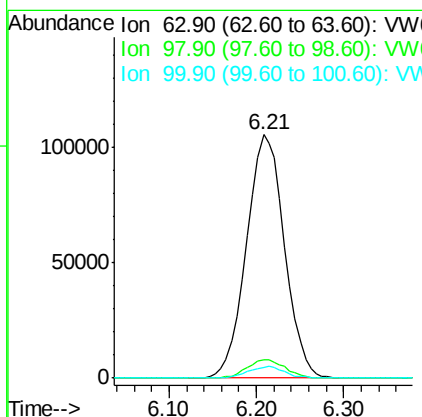
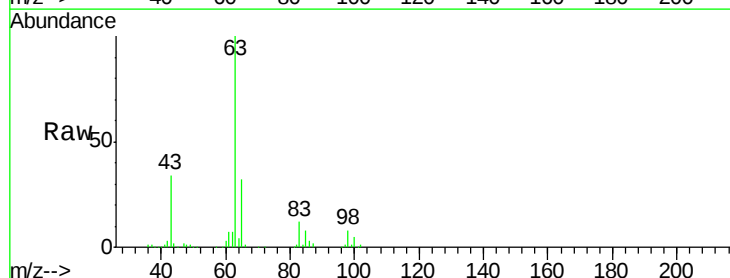
Manual Integrations
 APPROVED

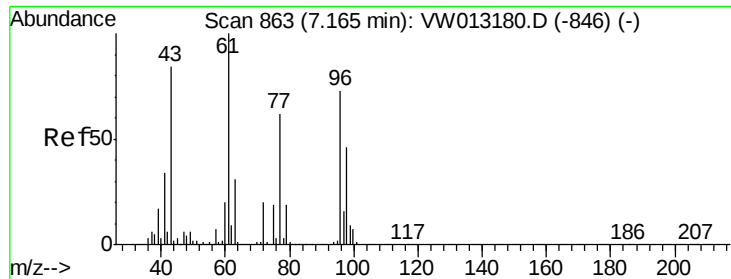
MMDadoda
 9/25/2019 12:35:36 AM



#24
 1,1-Dichloroethane
 Concen: 49.961 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 63 Resp: 319311
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.5
 100 4.6 2.4 7.1





#25

2-Butanone

Concen: 251.168 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 261337

Ion Ratio Lower Upper

43 100

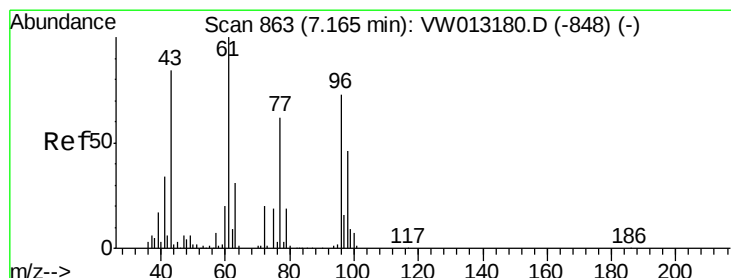
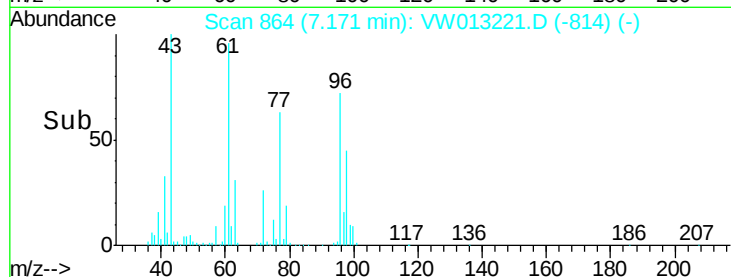
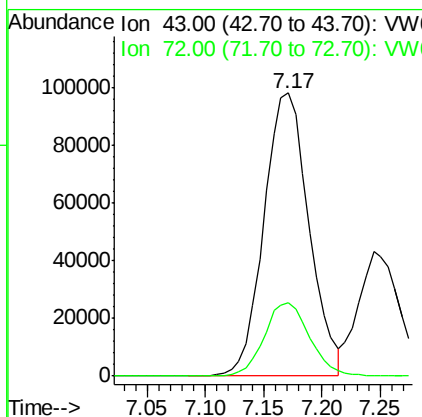
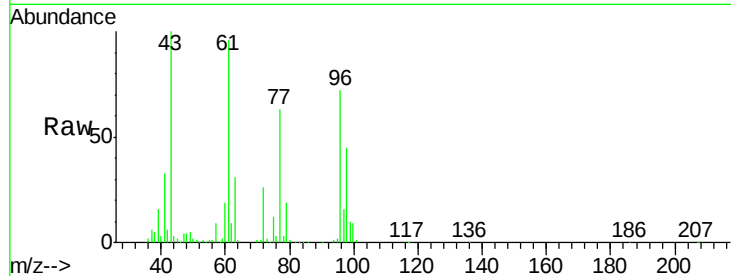
72 26.1 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#26

2,2-Dichloropropane

Concen: 52.461 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013221.D

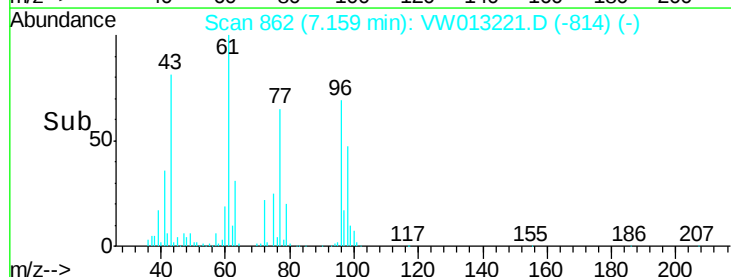
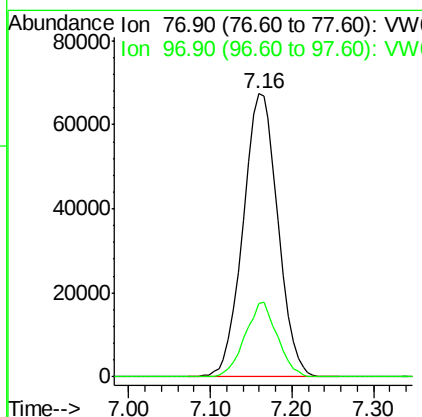
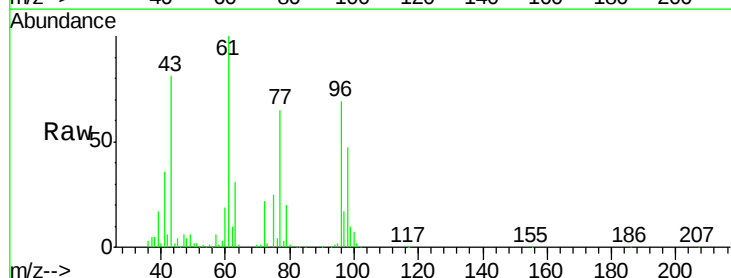
Acq: 23 Sep 2019 10:32

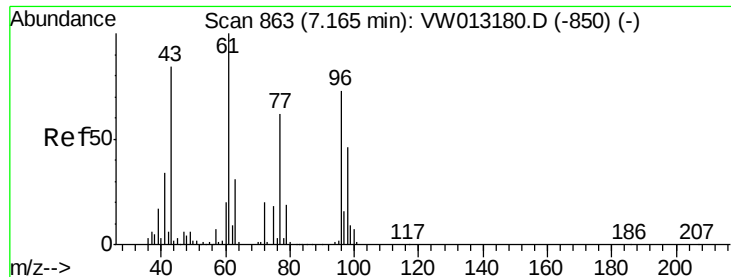
Tgt Ion: 77 Resp: 199986

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4





#27

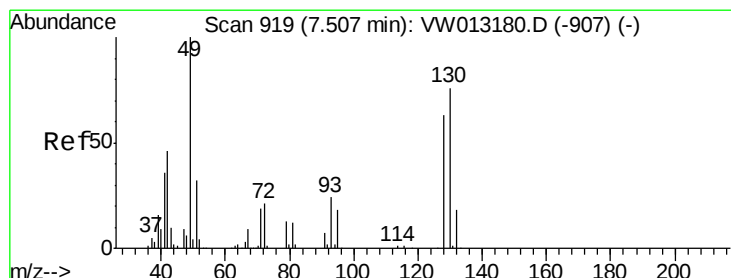
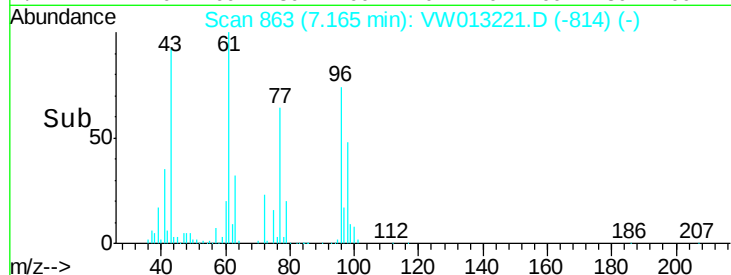
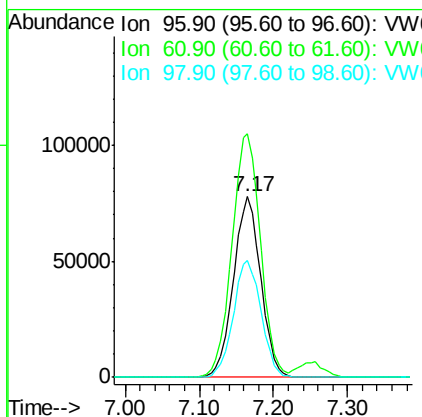
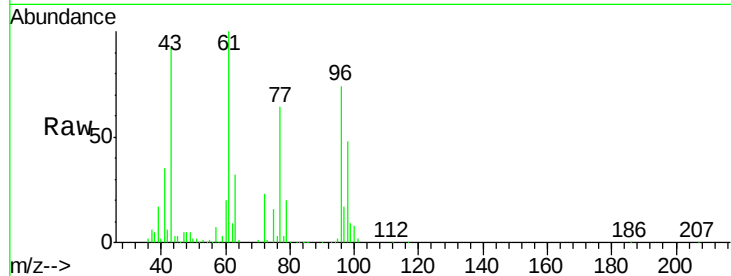
cis-1,2-Dichloroethene
 Concen: 50.104 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	200007		
61	140.8		0.0	282.4
98	65.9		0.0	128.2

Manual Integrations
 APPROVED

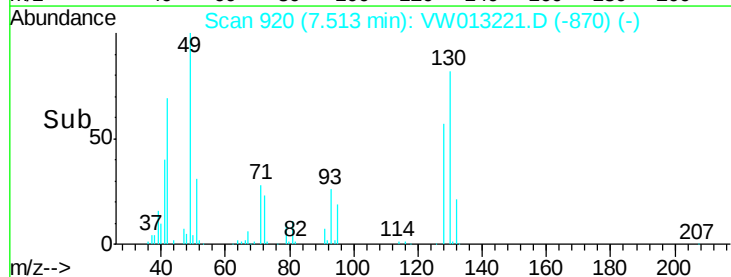
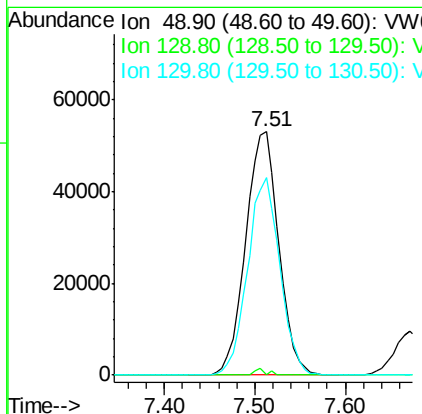
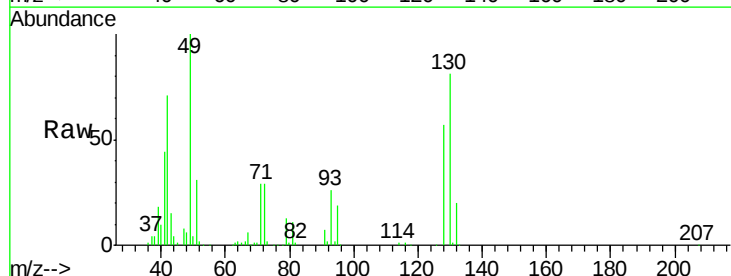
MMDadoda
 9/25/2019 12:35:36 AM



#28

Bromochloromethane
 Concen: 54.590 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133908		
129	0.9		0.0	1.0
130	79.1		63.4	95.2





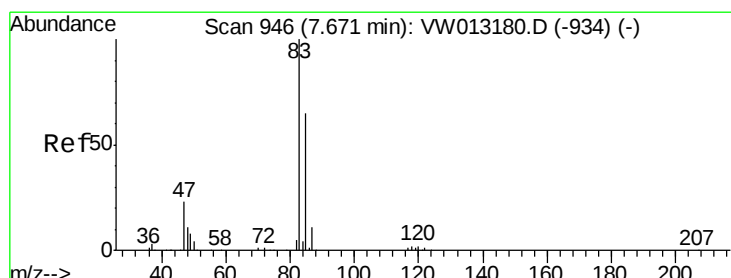
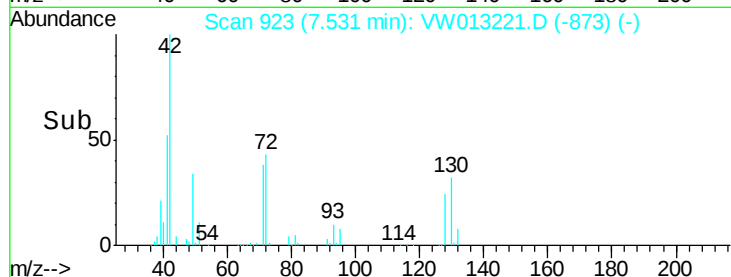
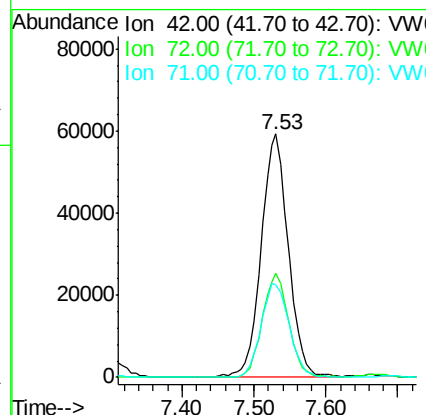
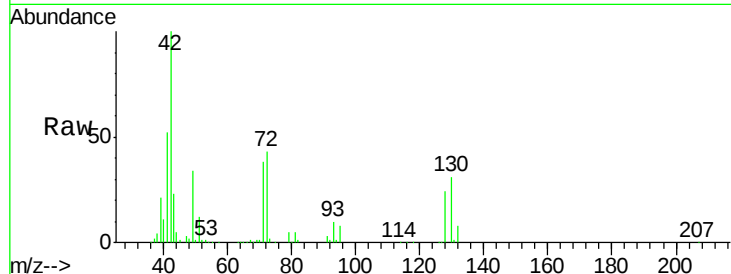
#29
Tetrahydrofuran
Concen: 242.910 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	155000
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.9	50.9
71	40.0	31.9	47.9

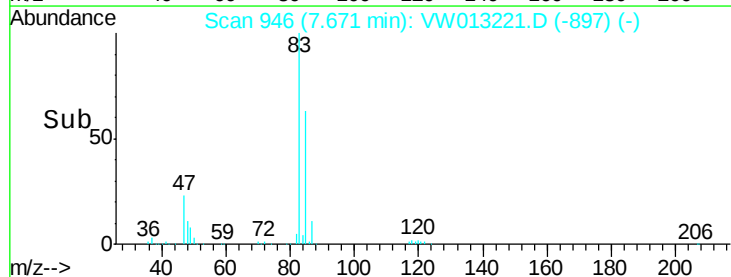
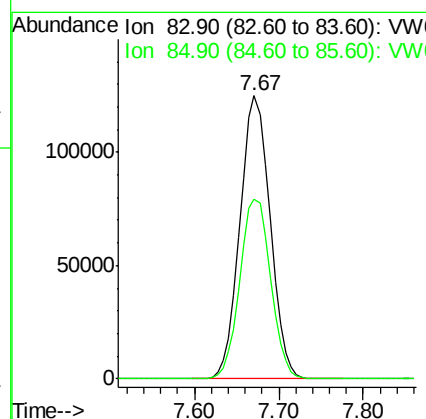
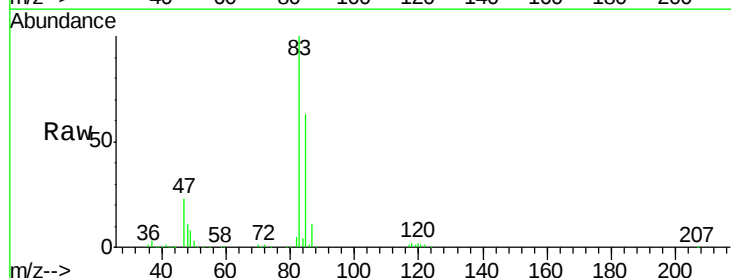
Manual Integrations
APPROVED

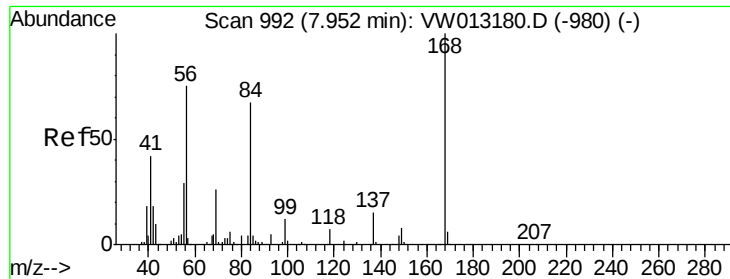
MMDadoda
9/25/2019 12:35:36 AM



#30
Chloroform
Concen: 48.328 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion:	83	Resp:	302401
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





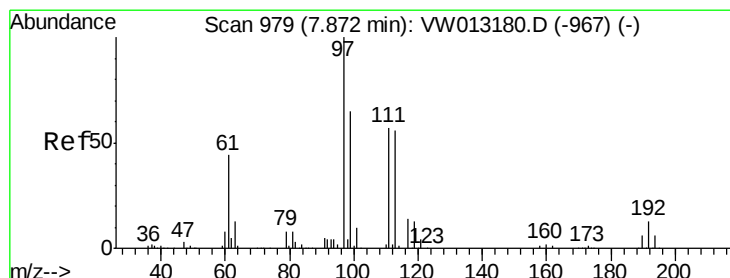
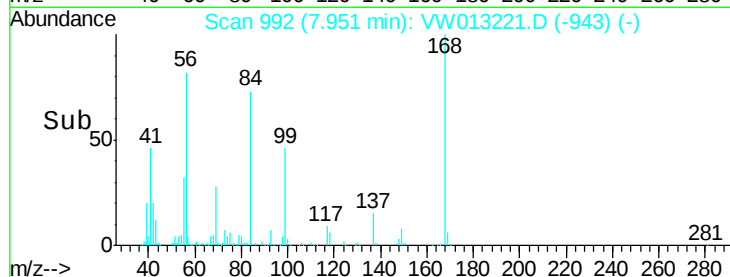
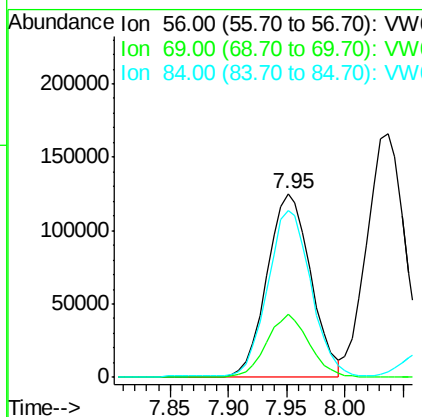
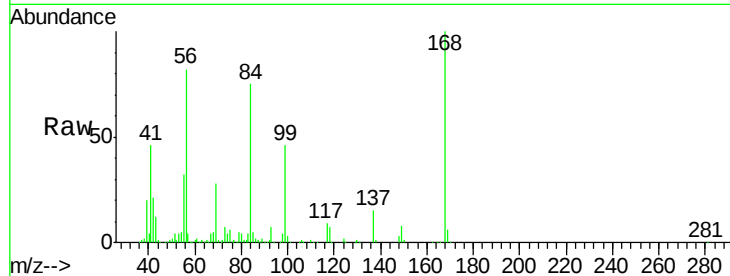
#31
Cyclohexane
Concen: 48.779 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.2	27.2	40.8	
84	89.2	70.8	106.2	

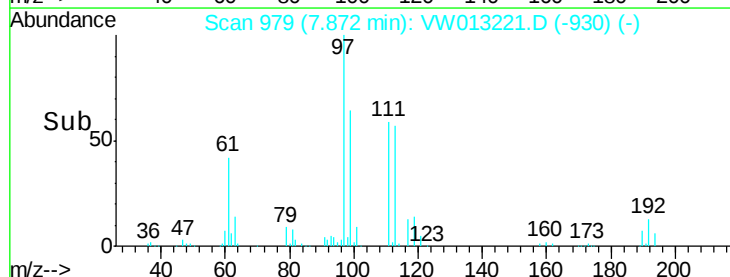
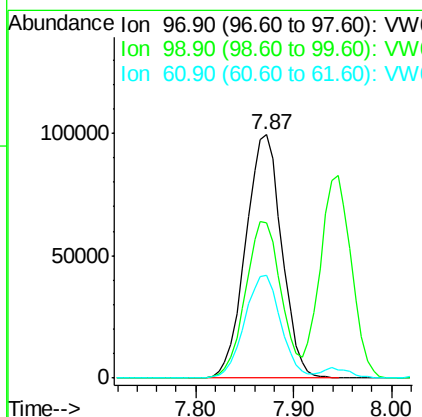
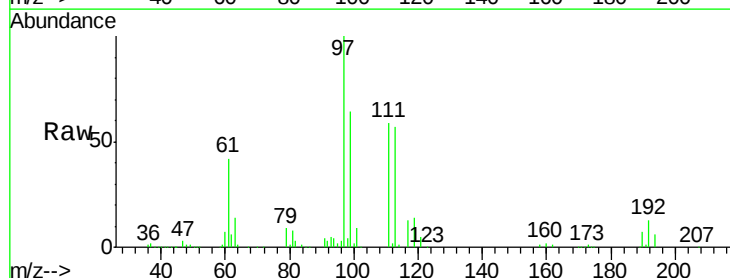
Manual Integrations
APPROVED

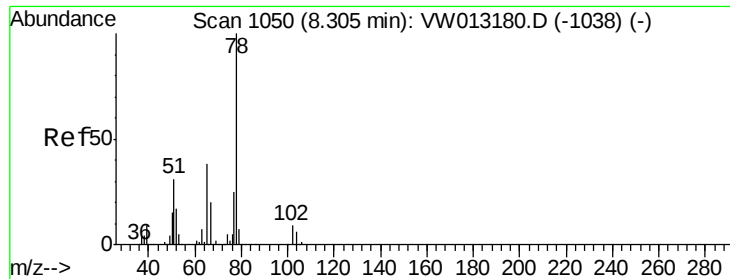
MMDadoda
9/25/2019 12:35:36 AM



#32
1,1,1-Trichloroethane
Concen: 50.157 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.7	77.5	
61	42.6	34.6	51.8	





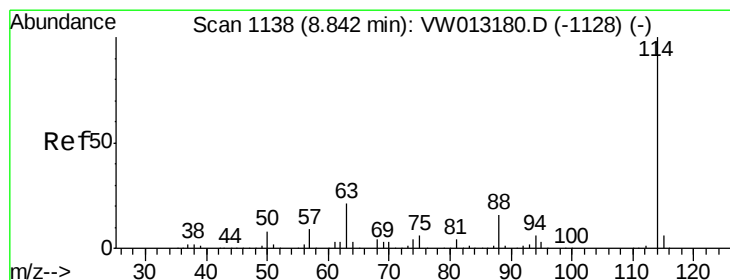
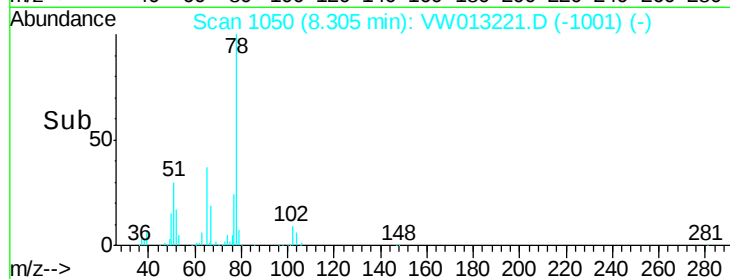
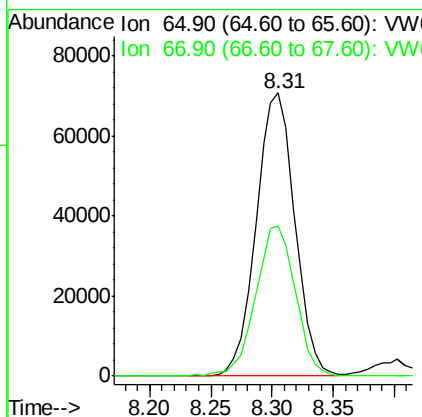
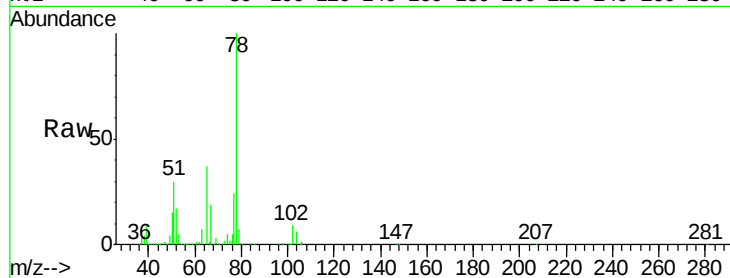
#33
 1,2-Dichloroethane-d4
 Concen: 50.632 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	106.2	

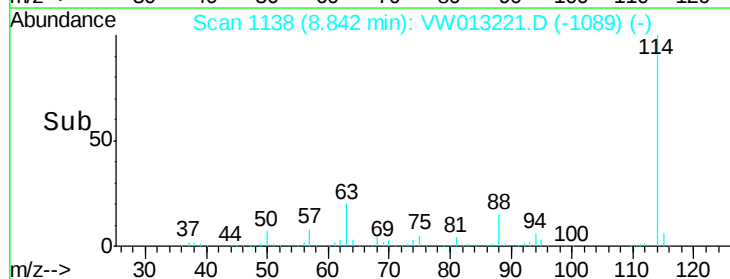
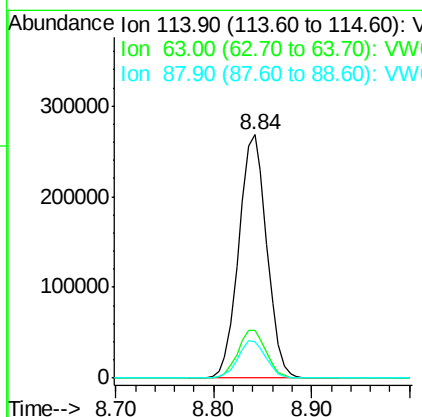
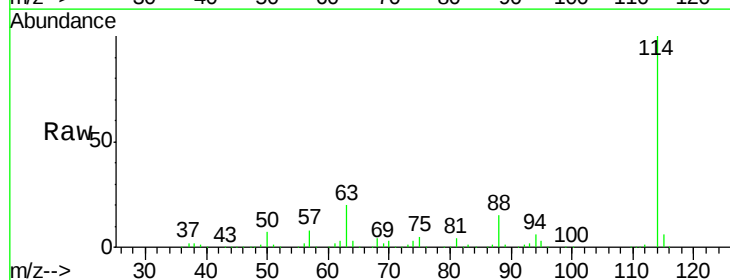
Manual Integrations
 APPROVED

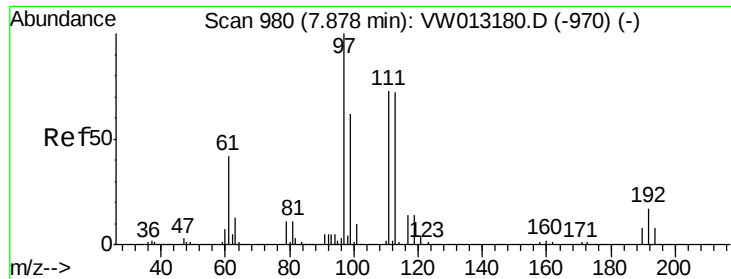
MMDadoda
 9/25/2019 12:35:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	41.4	
88	14.7	0.0	32.0	





#35

Dibromofluoromethane

Concen: 54.109 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

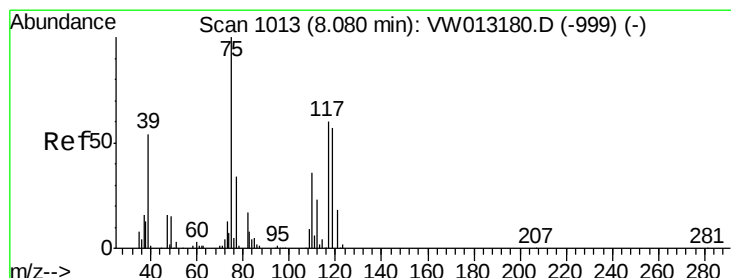
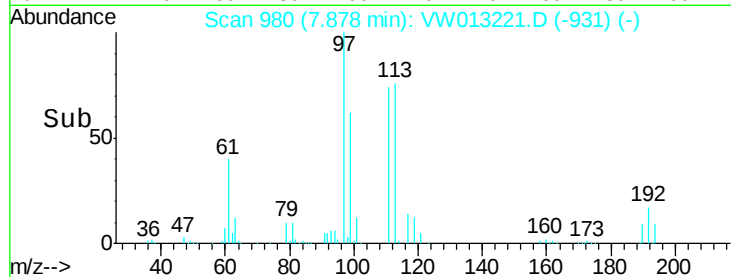
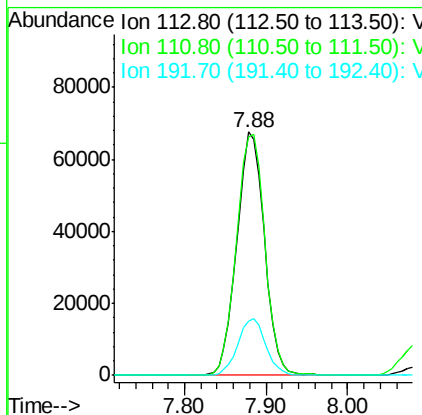
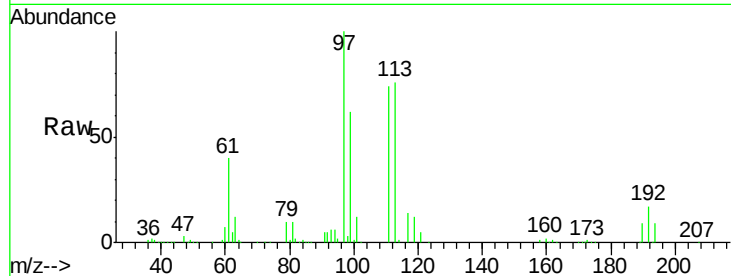
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	158199
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.9	122.9
192	23.4	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#36

1,1-Dichloropropene

Concen: 51.621 ug/l

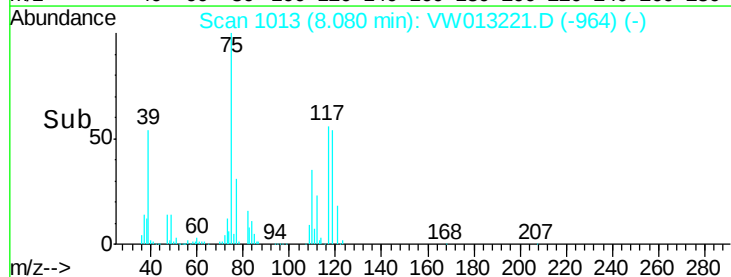
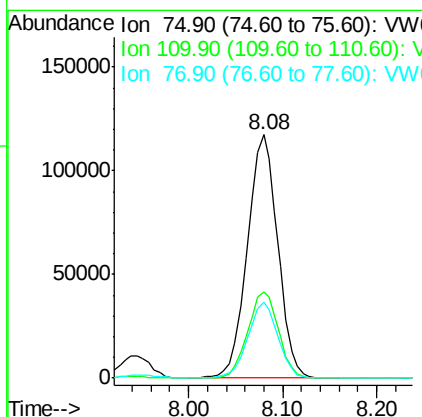
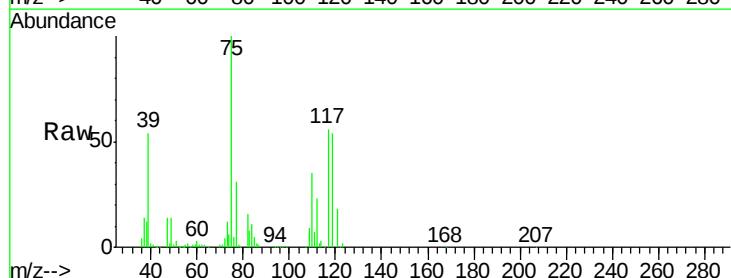
RT: 8.08 min Scan# 1013

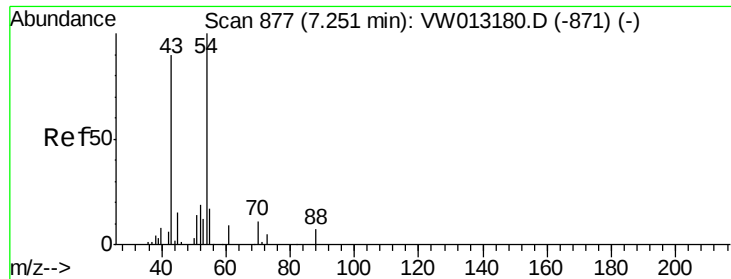
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	75	Resp:	265778
Ion Ratio	Lower	Upper	
75	100		
110	35.9	18.1	54.3
77	31.1	25.8	38.6





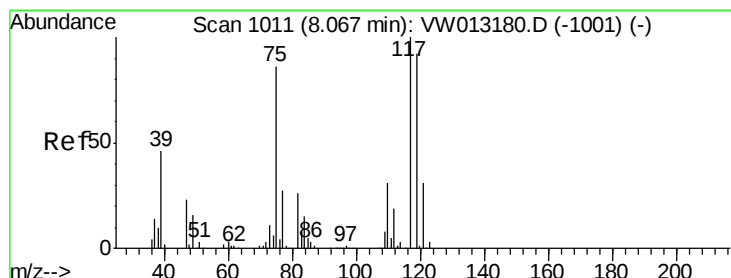
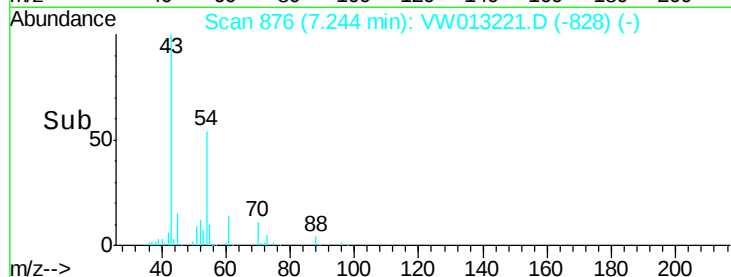
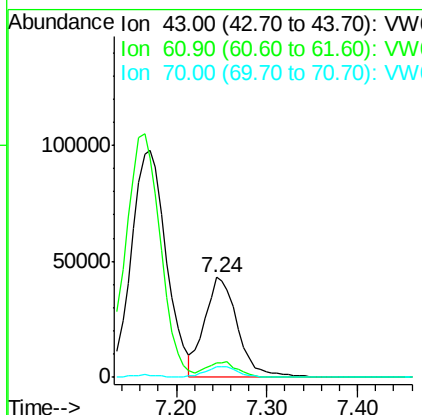
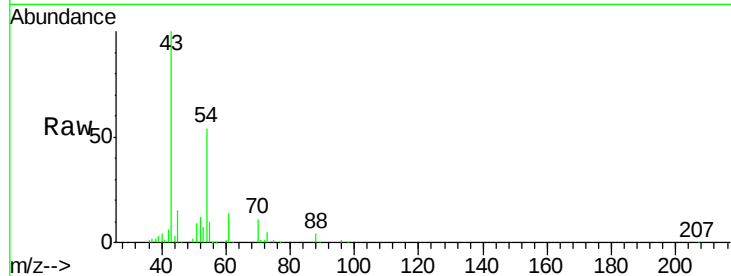
#37
Ethyl Acetate
Concen: 49.930 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.7	8.2	12.2

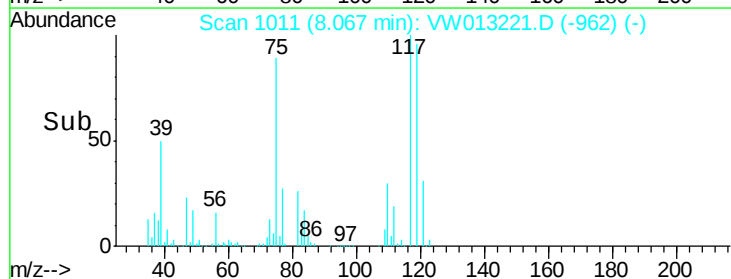
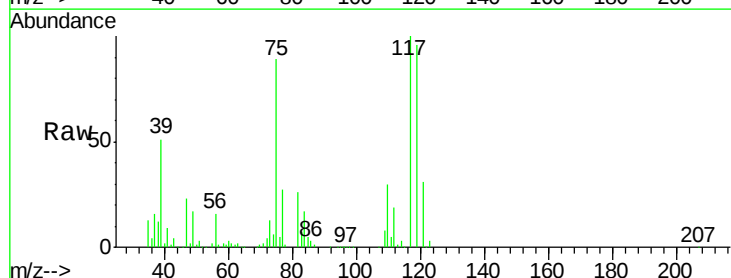
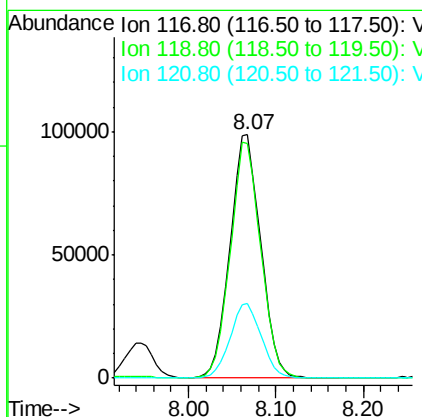
Manual Integrations
APPROVED

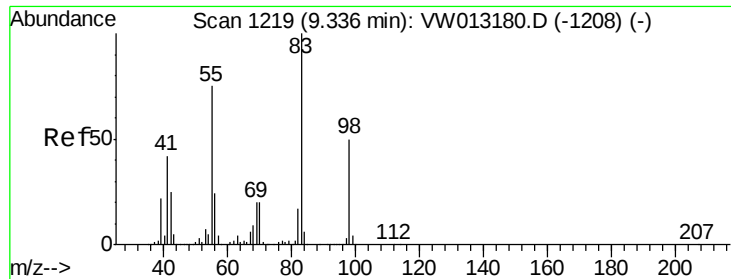
MMDadoda
9/25/2019 12:35:36 AM



#38
Carbon Tetrachloride
Concen: 52.201 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.5	110.3
121	30.6	25.0	37.6





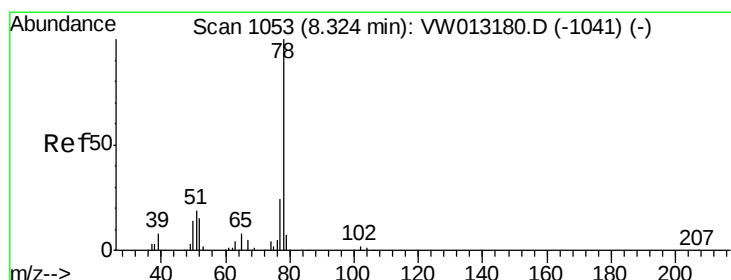
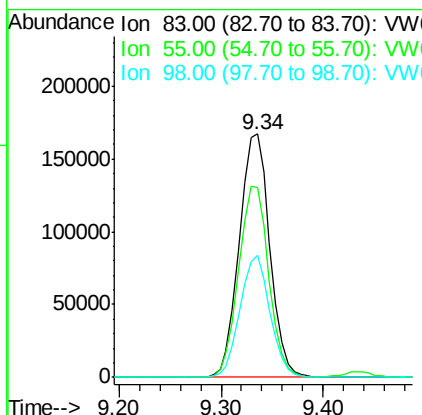
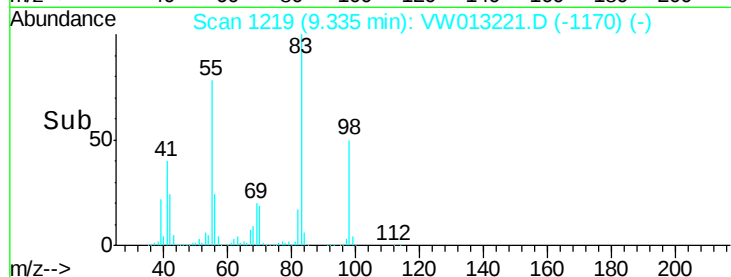
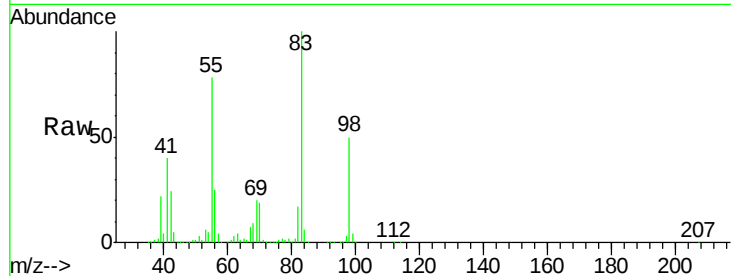
#39
Methvlcvclohexane
Concen: 52.588 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	347955		
55	78.2		60.4	90.6
98	50.1		40.0	60.0

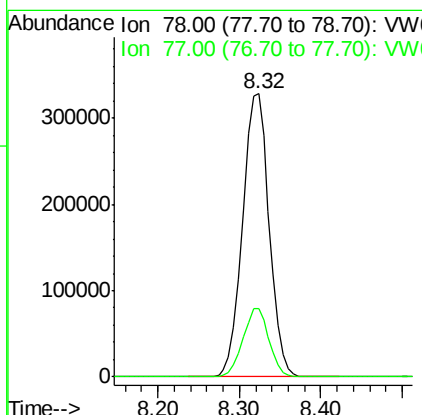
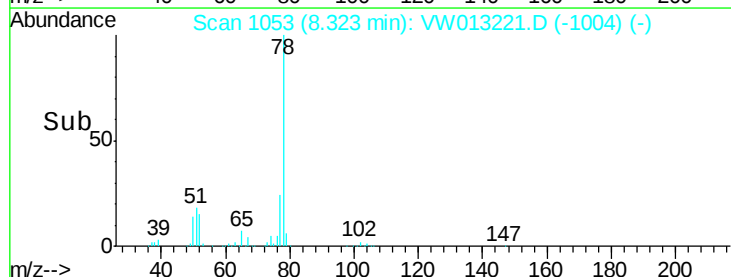
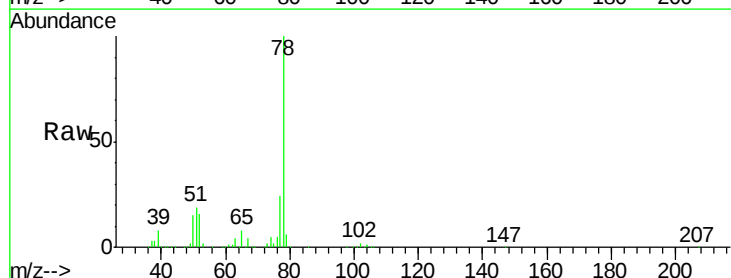
Manual Integrations
APPROVED

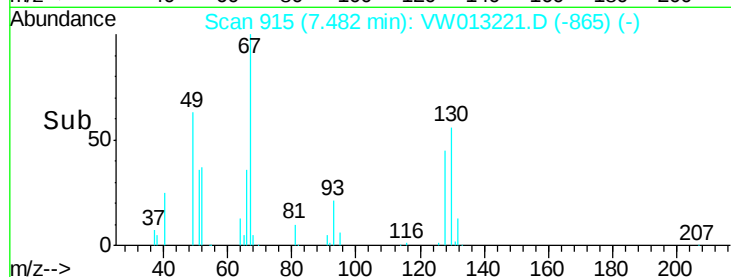
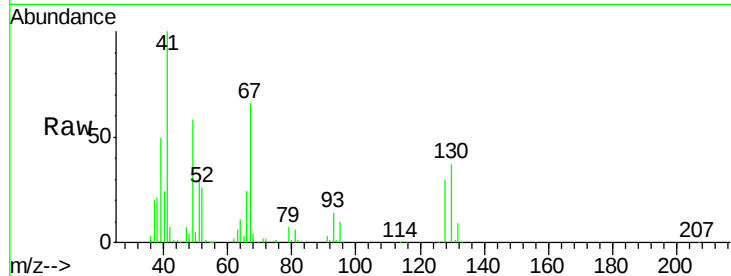
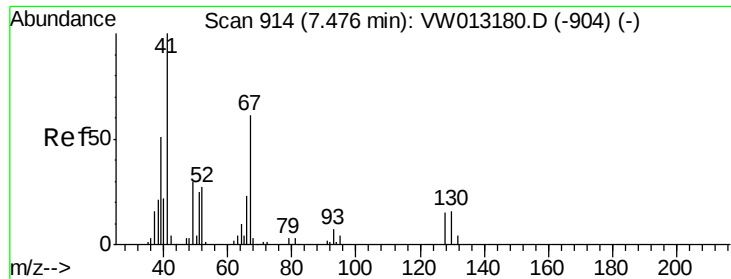
MMDadoda
9/25/2019 12:35:36 AM



#40
Benzene
Concen: 51.721 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	742783		
77	24.0		19.1	28.7





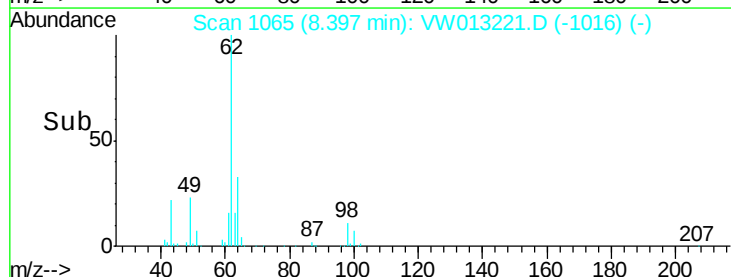
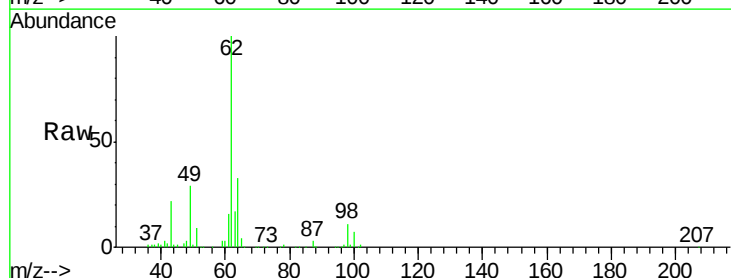
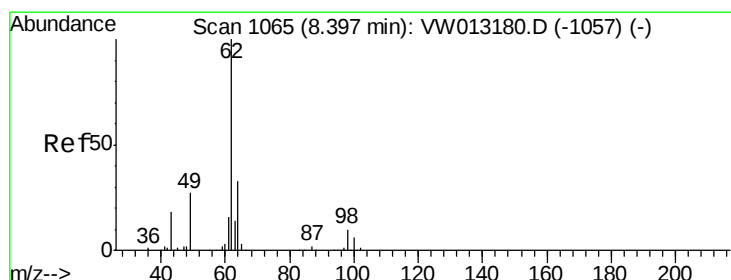
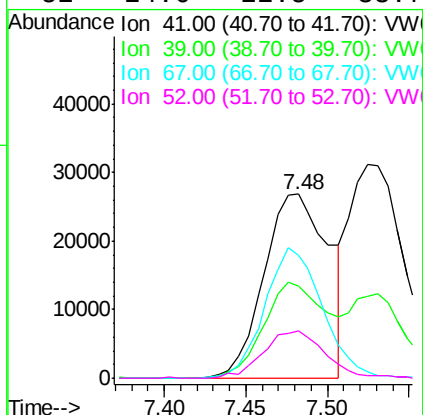
#41
Methacrylonitrile
Concen: 56.783 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tot Ion	41	Resp	74158
Ion	Ratio	Lower	Upper
41	100		
39	50.5	45.9	68.9
67	63.3	54.5	81.7
52	24.6	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

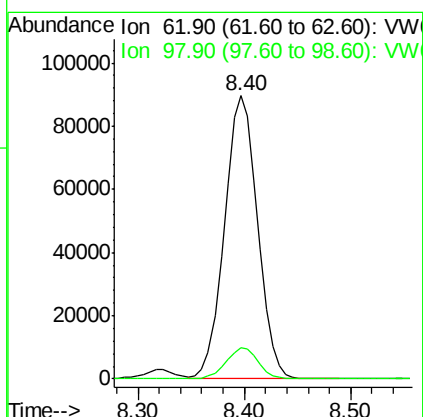
Manual Integrations
APPROVED

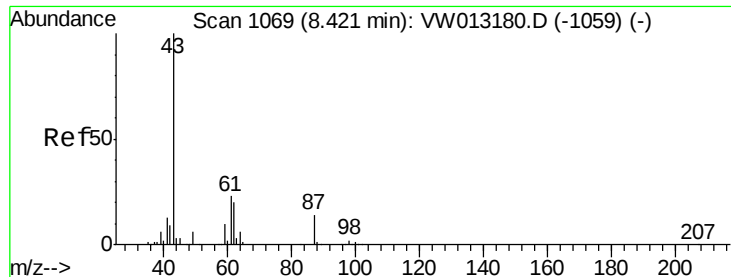
MMDadoda
9/25/2019 12:35:36 AM



#42
1,2-Dichloroethane
Concen: 50.413 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	62	Resp	194623
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.690 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

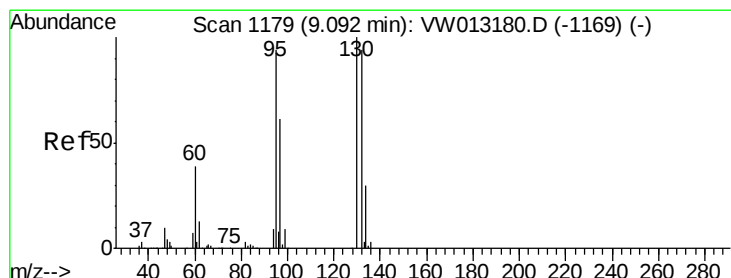
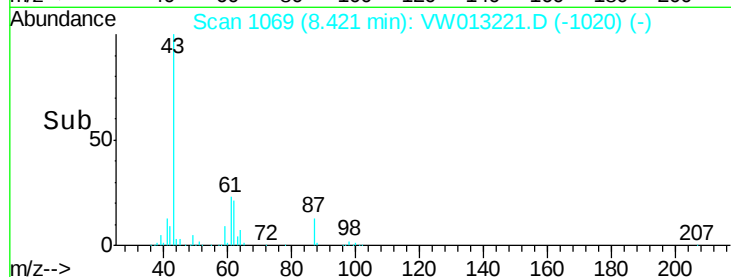
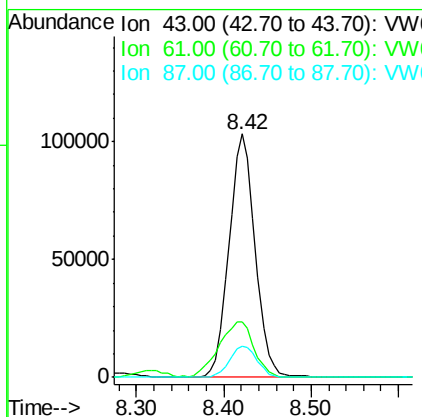
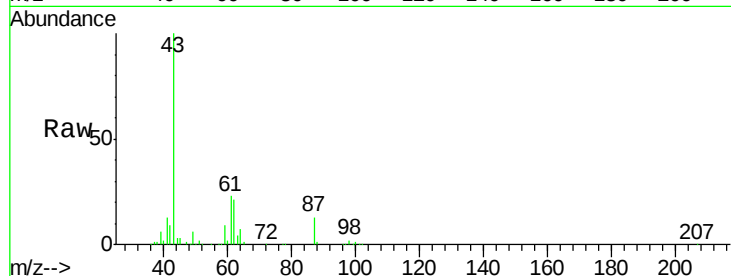
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	212588
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	13.5	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#44

Trichloroethene

Concen: 51.073 ug/l

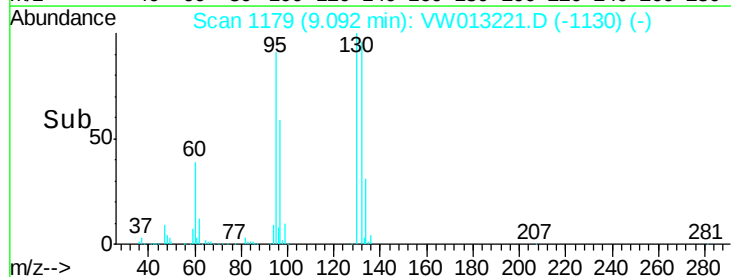
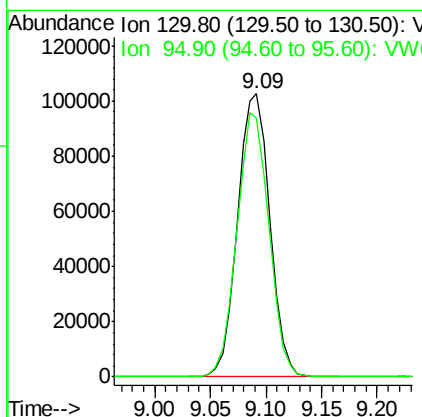
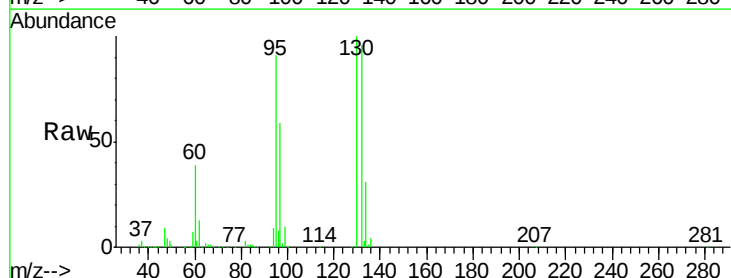
RT: 9.09 min Scan# 1179

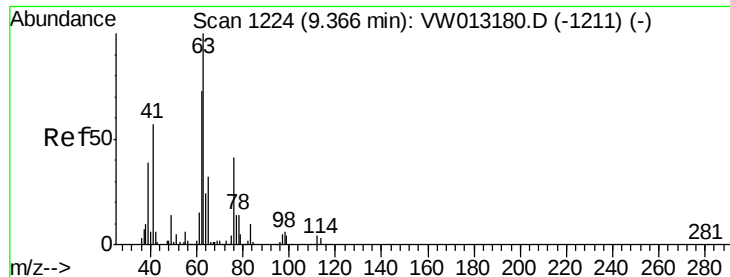
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	130	Resp:	205789
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	188.0





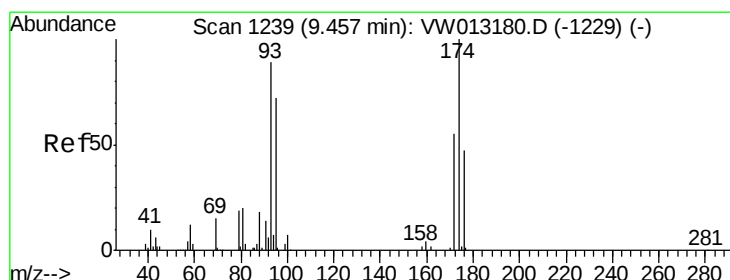
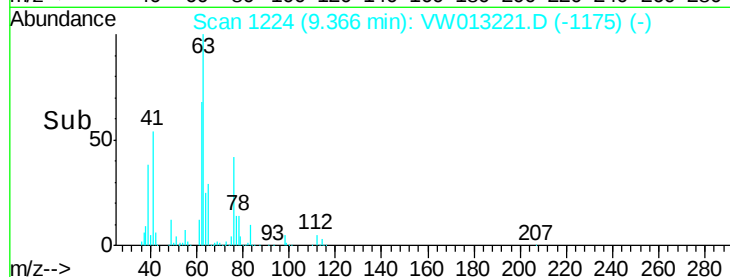
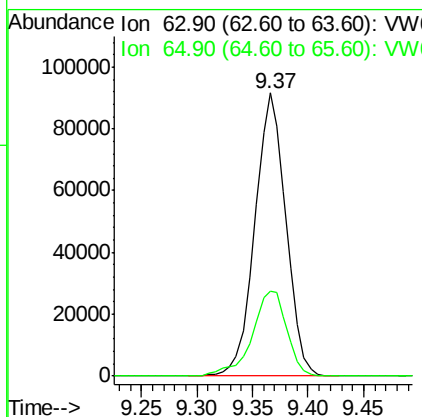
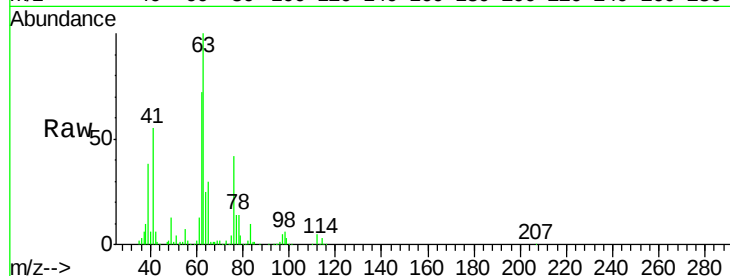
#45
 1,2-Dichloropropane
 Concen: 50.771 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	178012		
65	29.8	25.3	37.9	

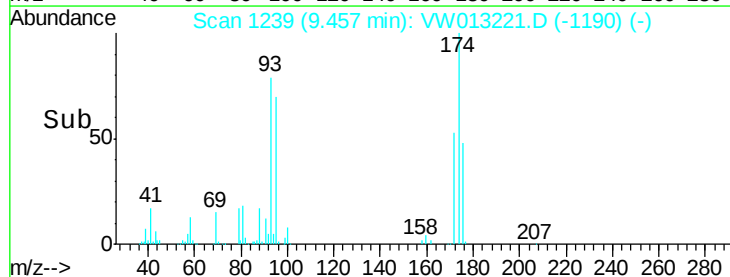
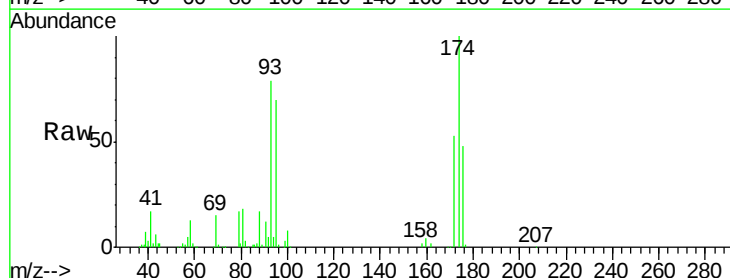
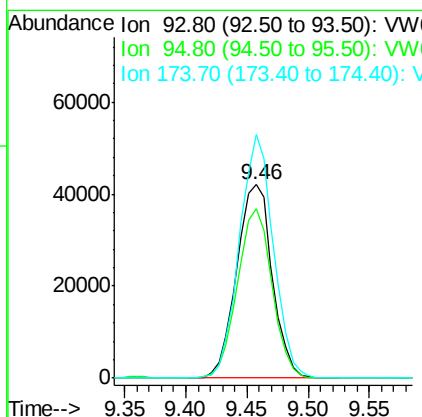
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:36 AM



#46
 Dibromomethane
 Concen: 49.931 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	84995		
95	85.2	66.4	99.6	
174	119.8	93.0	139.6	





#47

Bromodichloromethane

Concen: 51.951 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

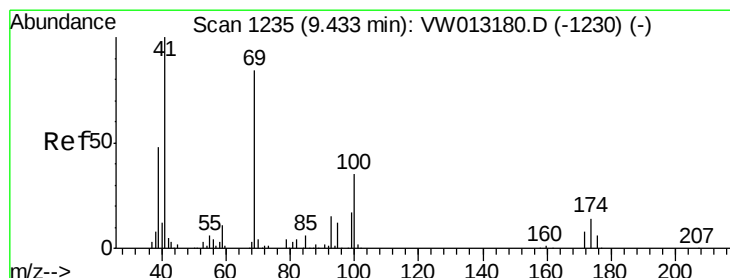
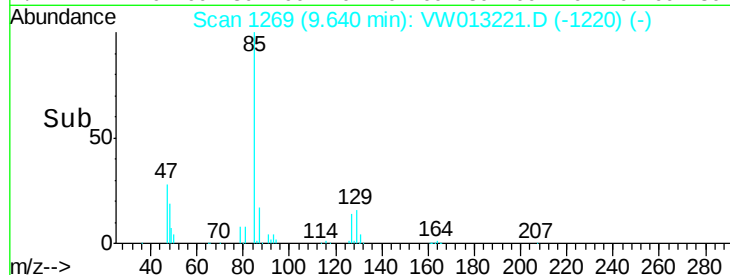
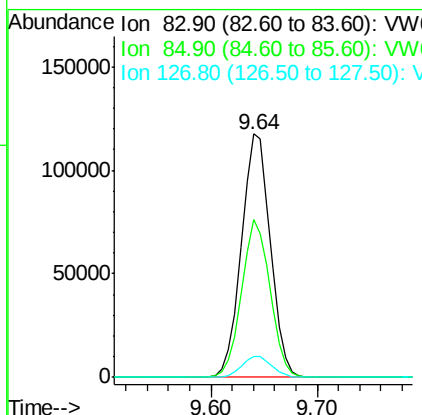
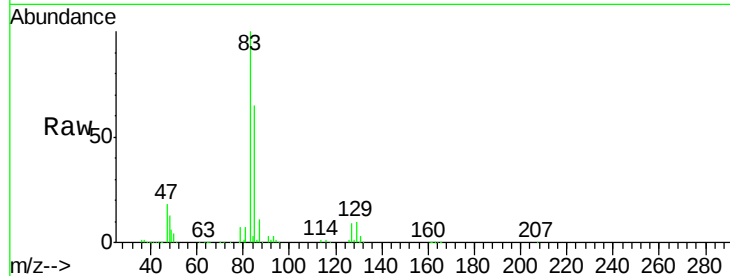
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	225023
Ion Ratio	Lower	Upper	
83	100		
85	65.0	49.4	74.2
127	8.8	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#48

Methyl methacrylate

Concen: 54.466 ug/l

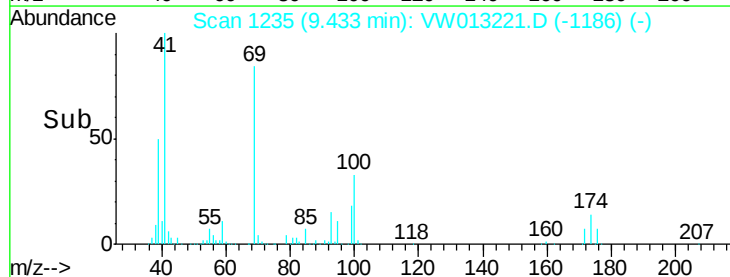
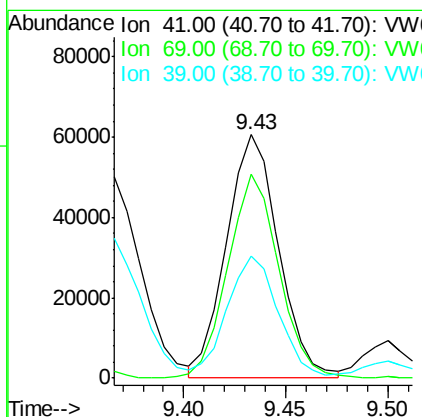
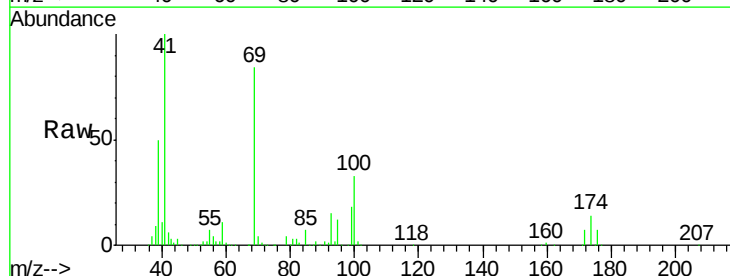
RT: 9.43 min Scan# 1235

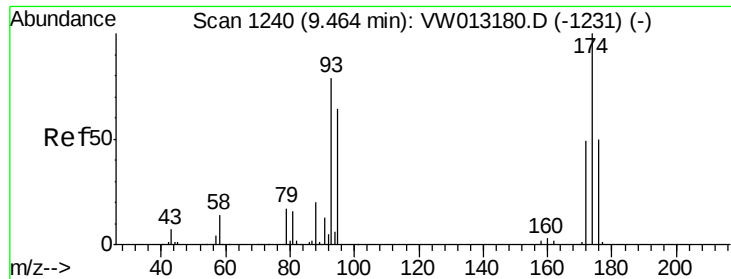
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	41	Resp:	107411
Ion Ratio	Lower	Upper	
41	100		
69	81.5	69.7	104.5
39	46.9	41.1	61.7





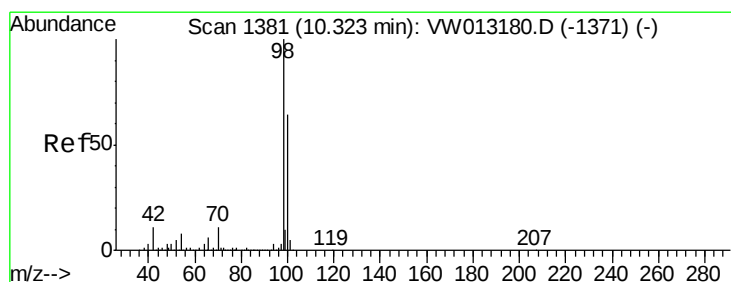
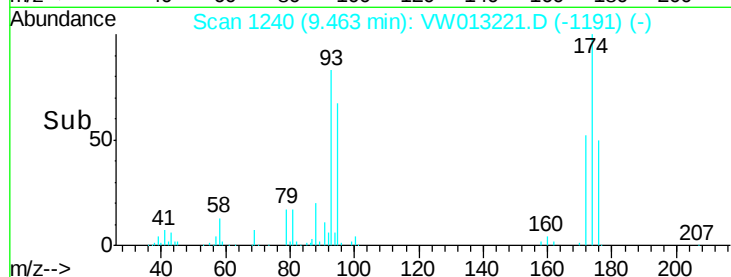
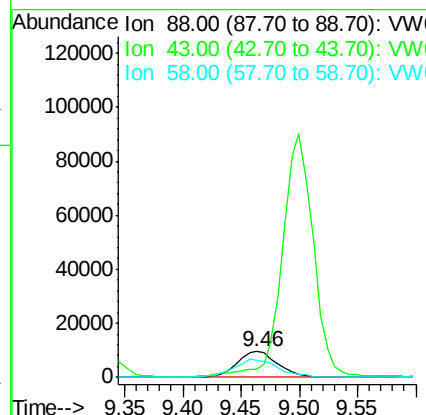
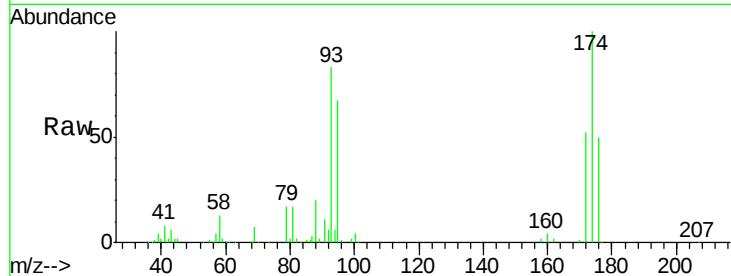
#49
1,4-Dioxane
Concen: 918.094 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.9	65.4	98.0

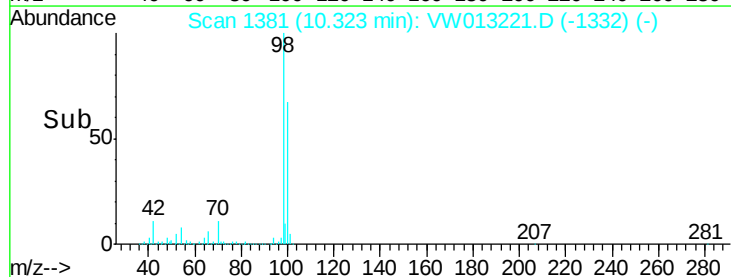
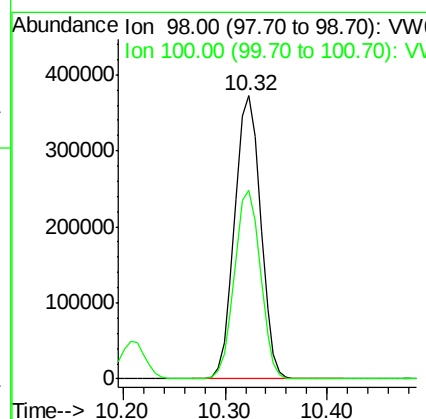
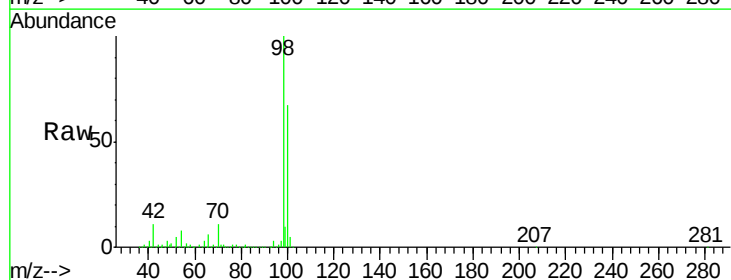
Manual Integrations
APPROVED

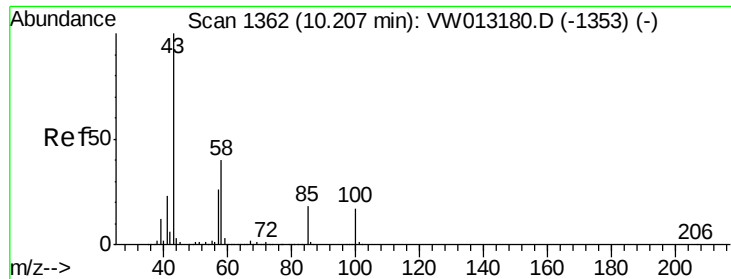
MMDadoda
9/25/2019 12:35:36 AM



#50
Toluene-d8
Concen: 53.618 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 250.436 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 526539

Ion Ratio Lower Upper

43 100

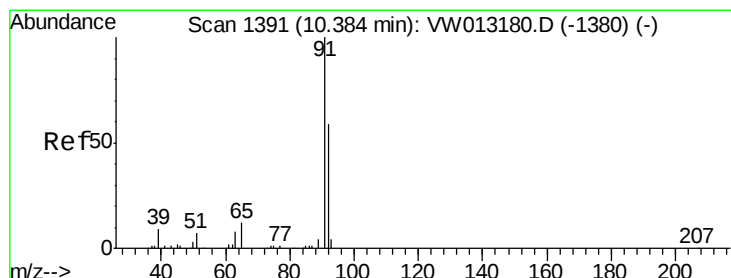
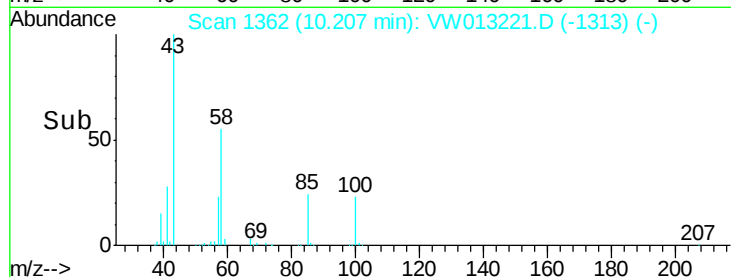
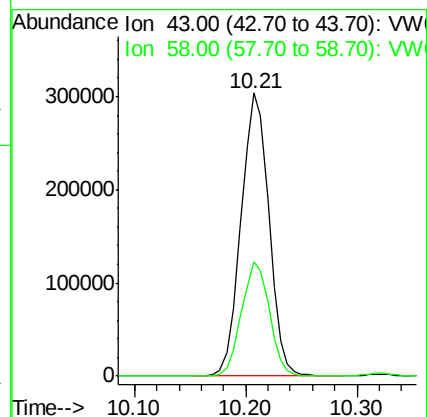
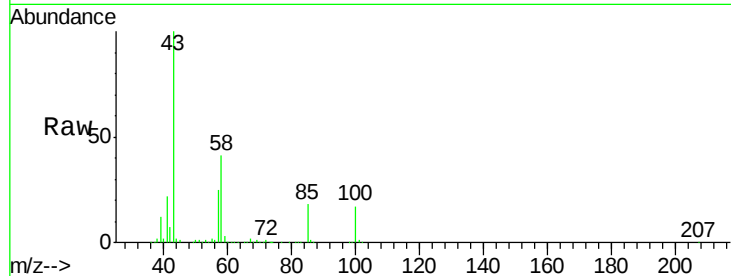
58 40.7 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#52

Toluene

Concen: 51.670 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013221.D

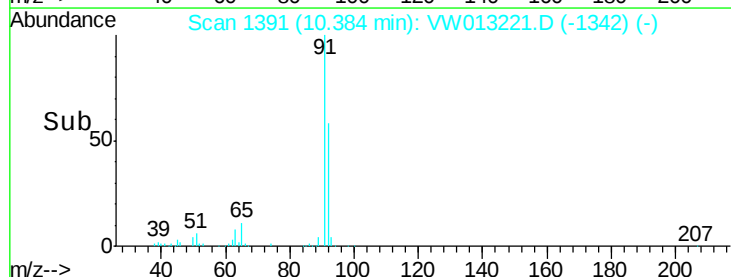
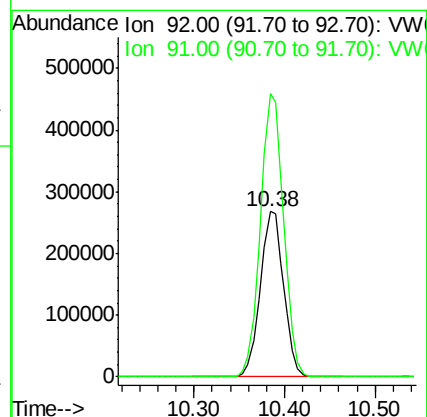
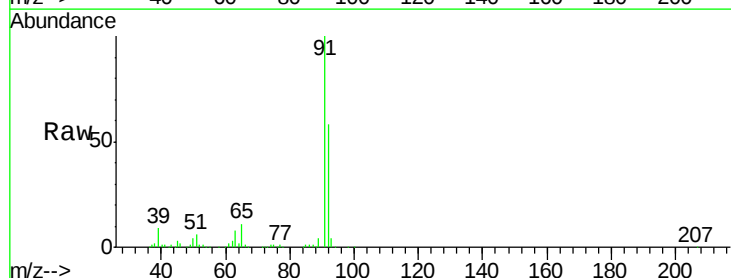
Acq: 23 Sep 2019 10:32

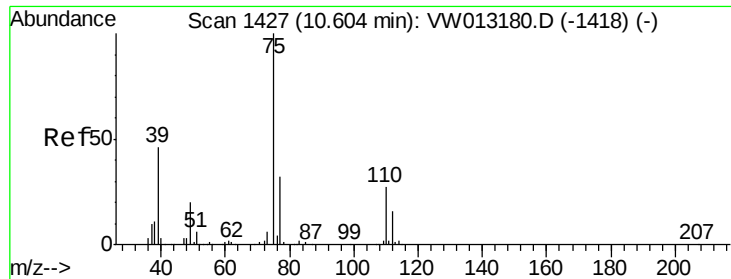
Tgt Ion: 92 Resp: 475575

Ion Ratio Lower Upper

92 100

91 170.2 135.7 203.5





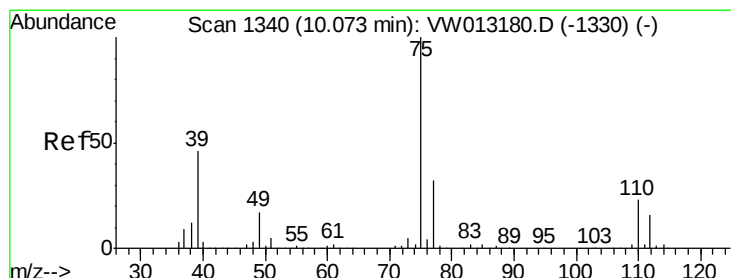
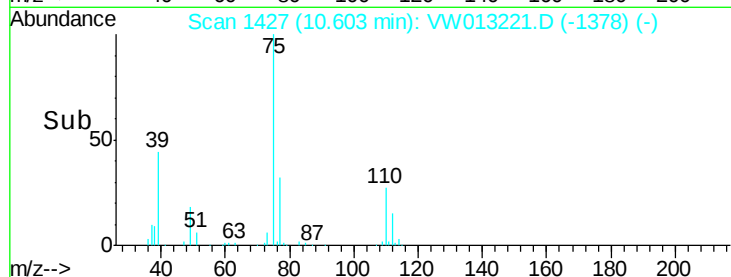
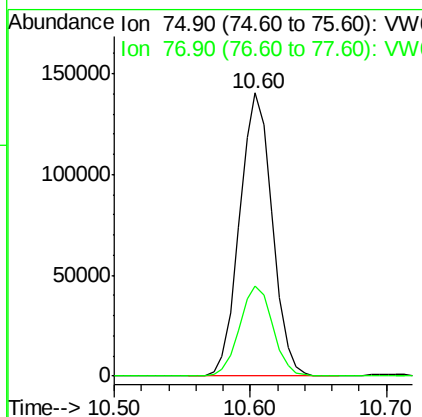
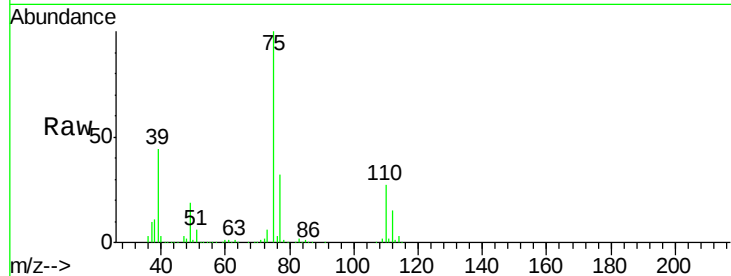
#53
 t-1,3-Dichloropropene
 Concen: 52.934 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

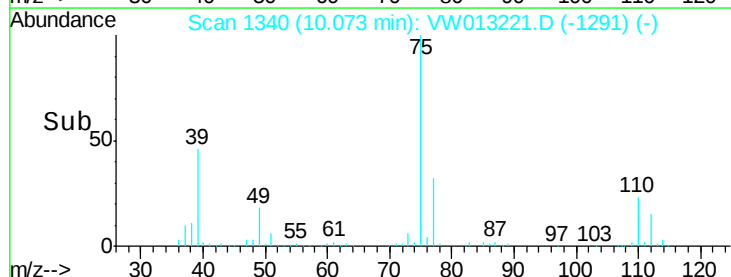
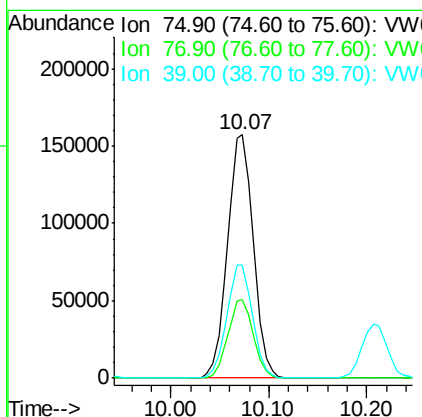
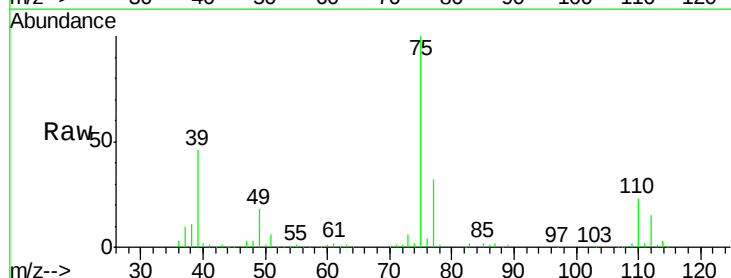
Manual Integrations
 APPROVED

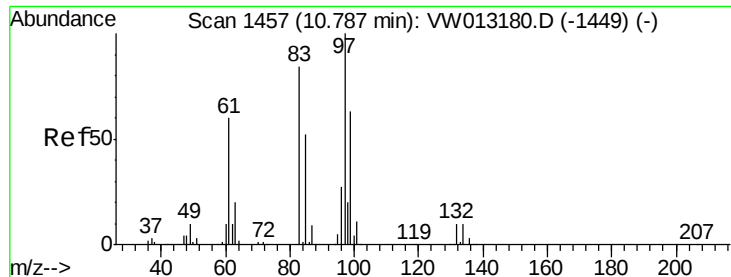
MMDadoda
 9/25/2019 12:35:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.123 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.2	37.8
39	46.2	36.6	55.0





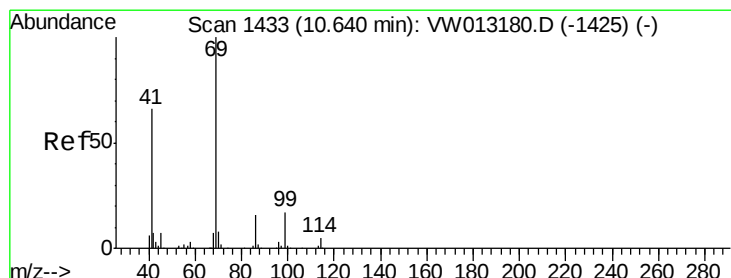
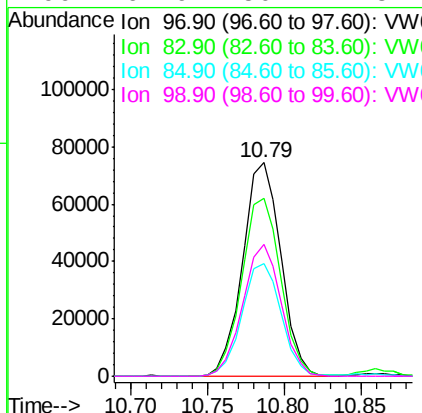
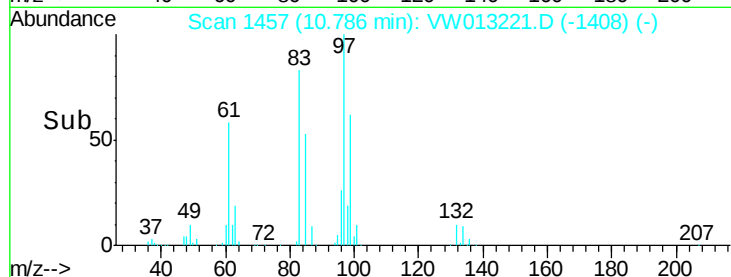
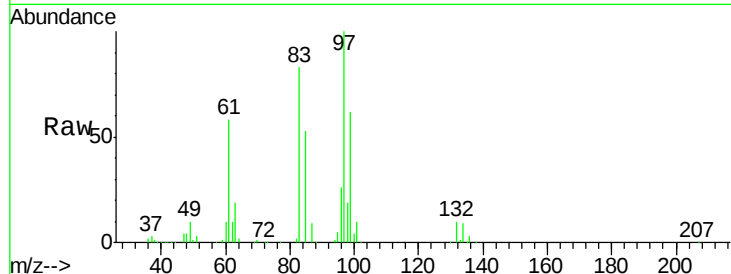
#55
 1,1,2-Trichloroethane
 Concen: 50.954 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	129644
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.6	101.4
85	52.5	41.9	62.9
99	61.9	50.1	75.1

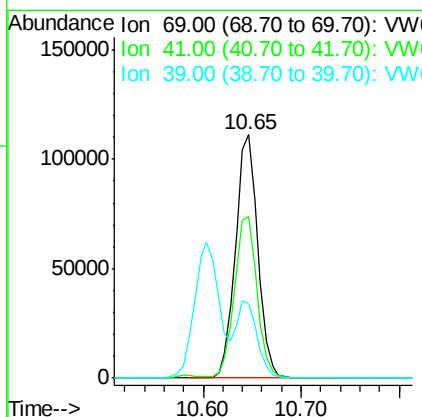
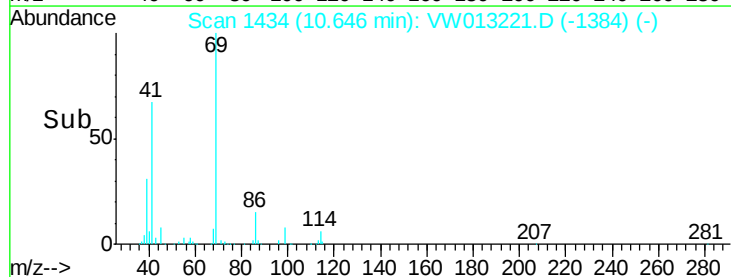
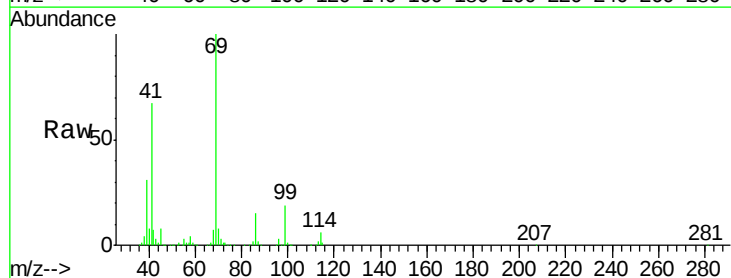
Manual Integrations
 APPROVED

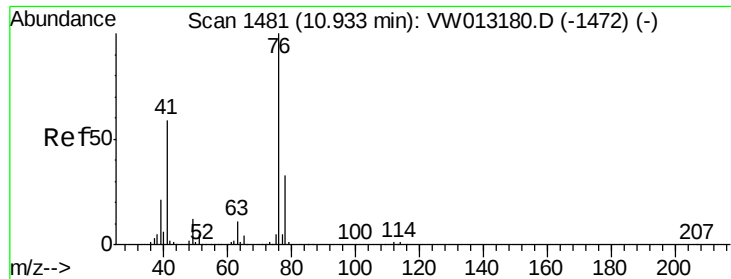
MMDadoda
 9/25/2019 12:35:36 AM



#56
 Ethyl methacrylate
 Concen: 52.798 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion:	69	Resp:	175806
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.9	80.9
39	28.9	23.8	35.6





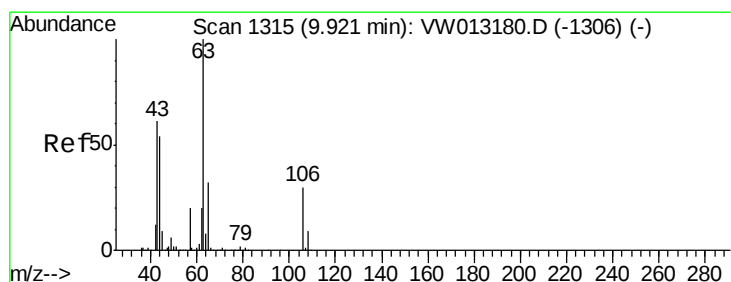
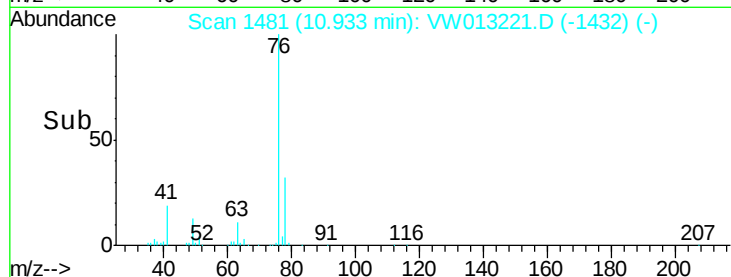
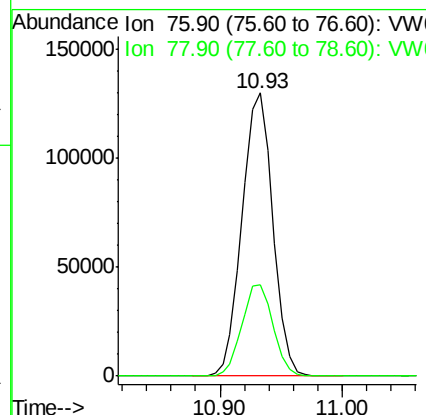
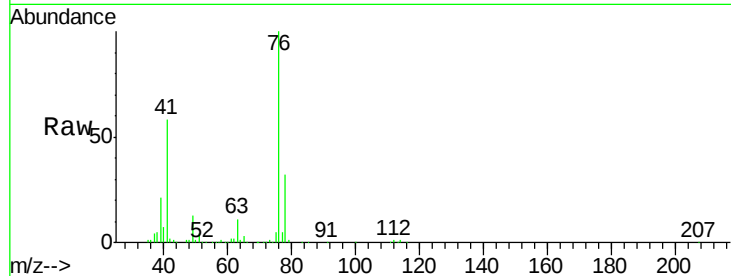
#57
 1,3-Dichloropropane
 Concen: 51.014 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

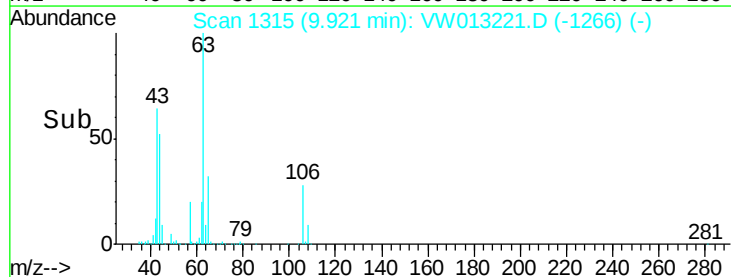
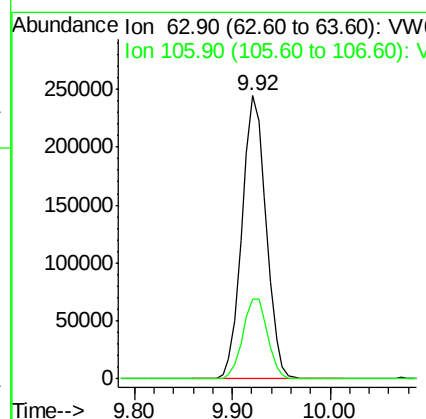
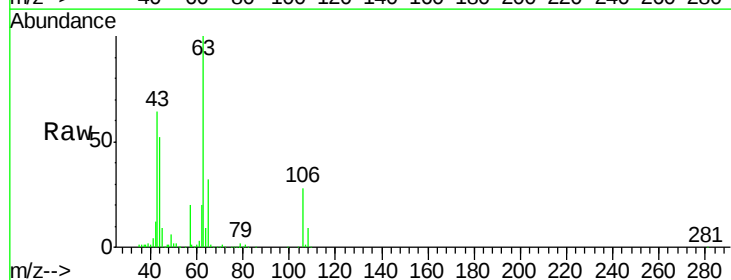
Manual Integrations
 APPROVED

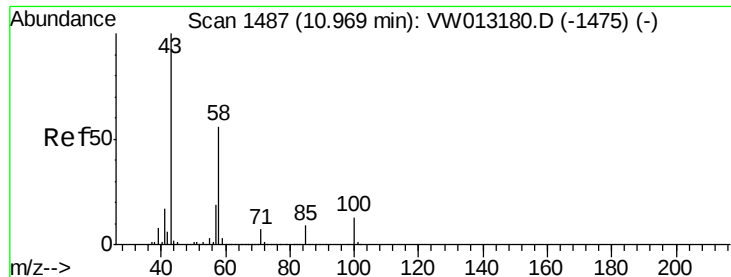
MMDadoda
 9/25/2019 12:35:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.122 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.4	35.0





#59

2-Hexanone

Concen: 273.771 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 396011

Ion Ratio Lower Upper

43 100

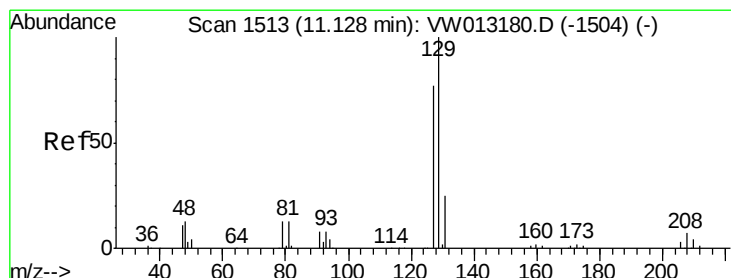
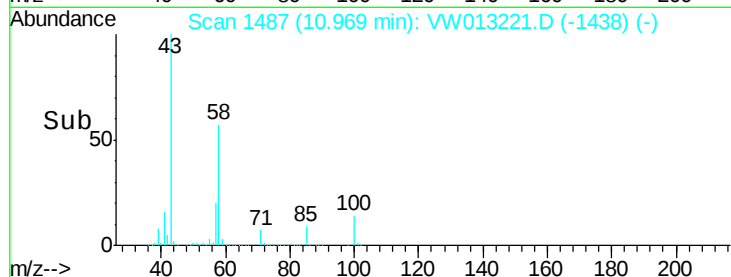
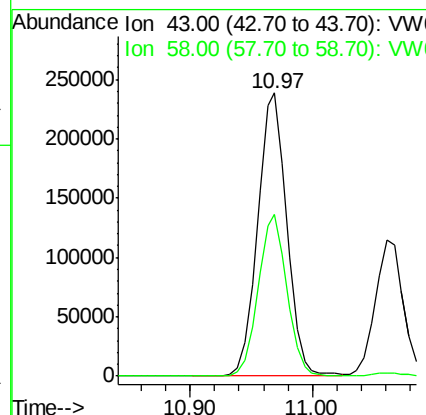
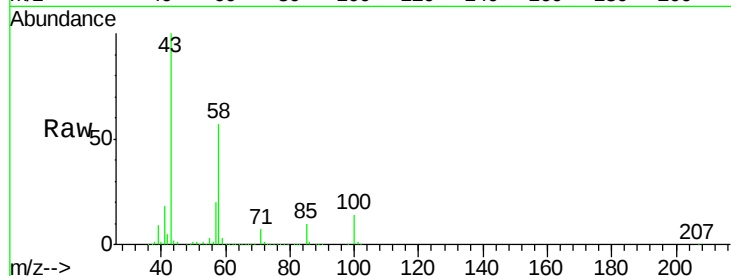
58 56.1 28.1 84.2

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#60

Dibromochloromethane

Concen: 53.661 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013221.D

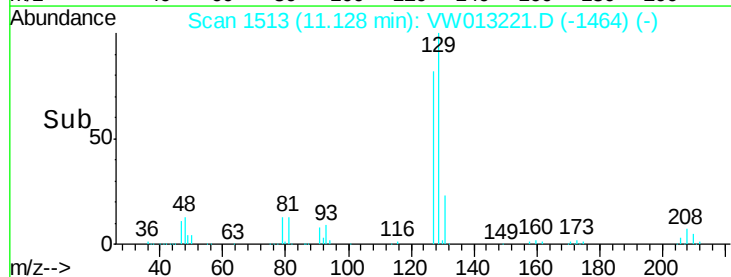
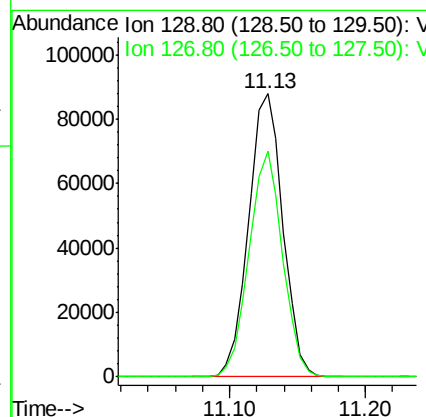
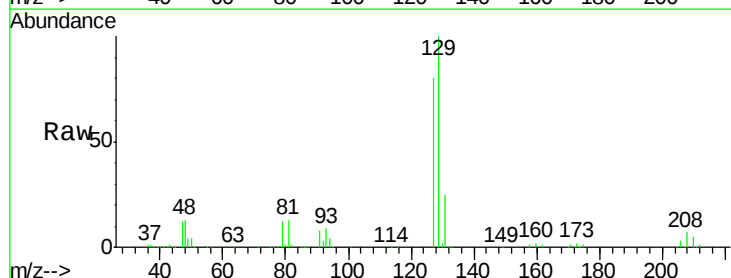
Acq: 23 Sep 2019 10:32

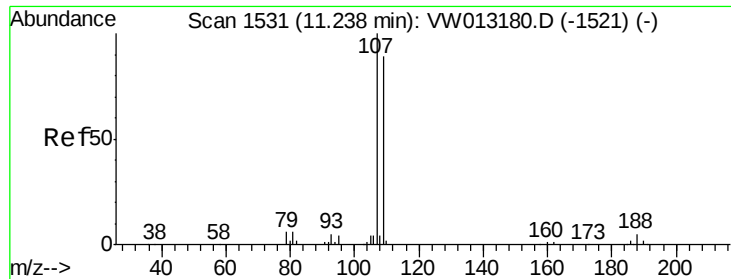
Tgt Ion: 129 Resp: 155028

Ion Ratio Lower Upper

129 100

127 77.9 38.8 116.4





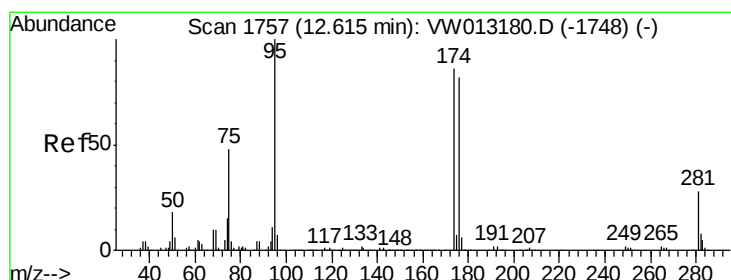
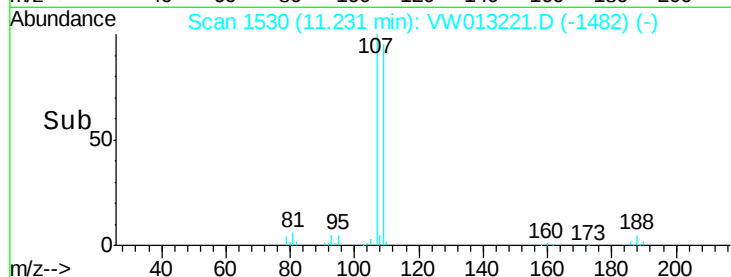
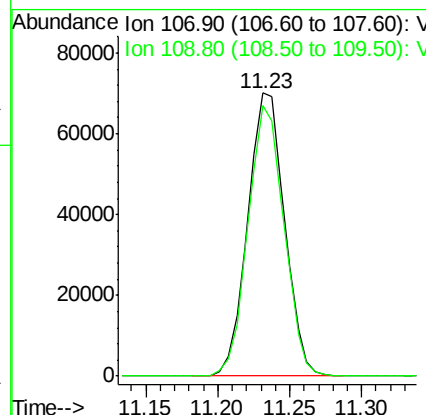
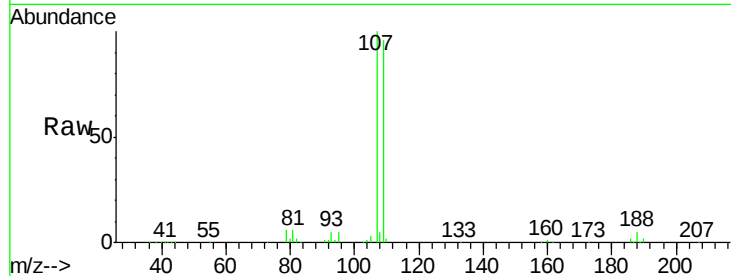
#61
1,2-Dibromoethane
Concen: 51.184 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.2	112.8

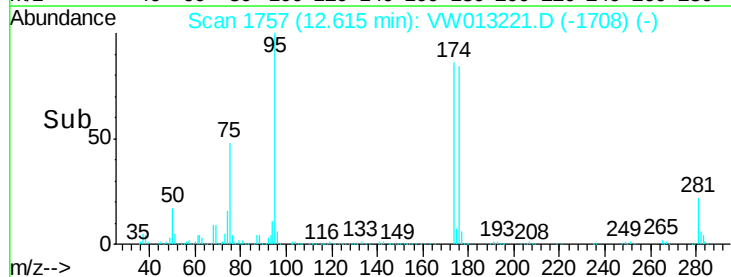
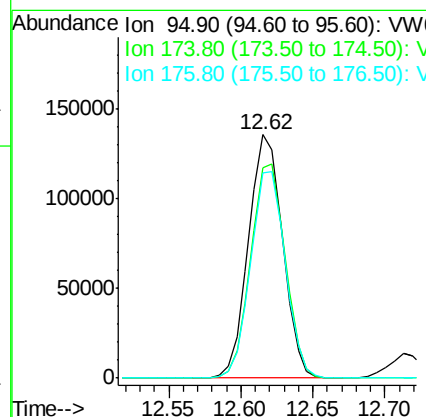
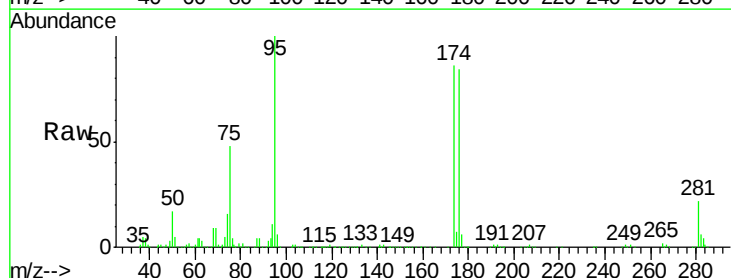
Manual Integrations
APPROVED

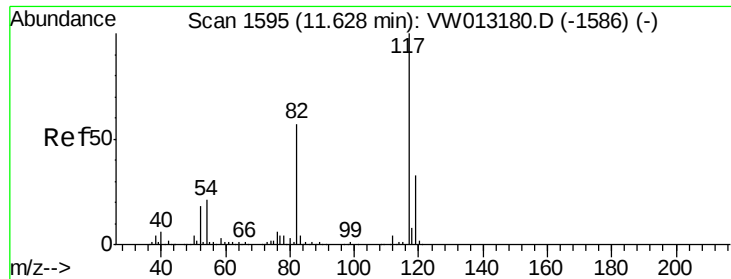
MMDadoda
9/25/2019 12:35:36 AM



#62
4-Bromofluorobenzene
Concen: 53.097 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	178.4
176	86.1	0.0	172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

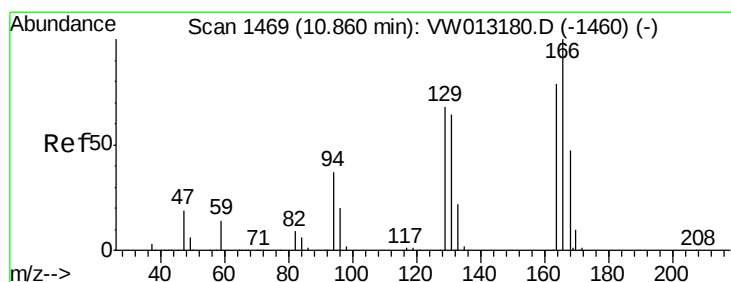
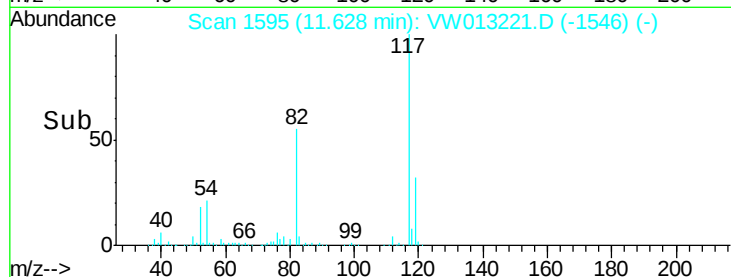
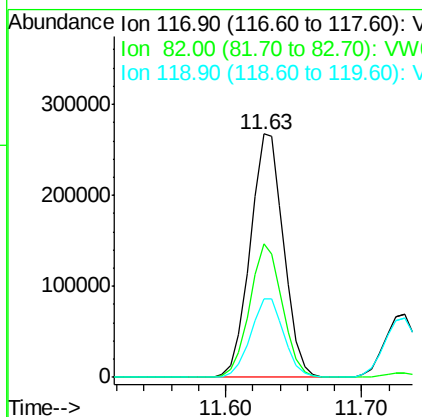
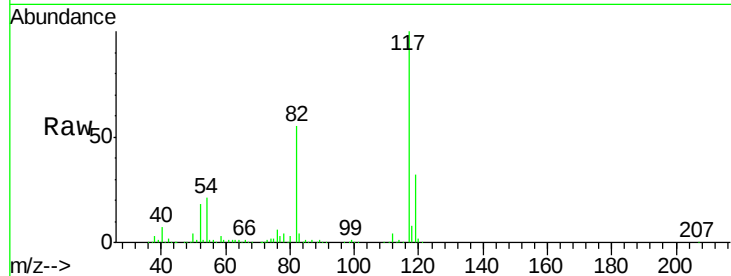
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	459871
Ion Ratio	Lower	Upper	
117	100		
82	54.7	45.9	68.9
119	32.3	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#64

Tetrachloroethene

Concen: 51.538 ug/l

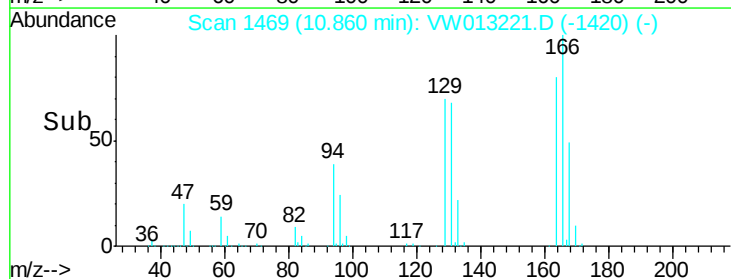
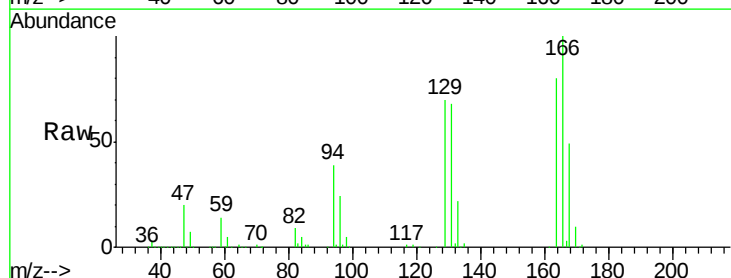
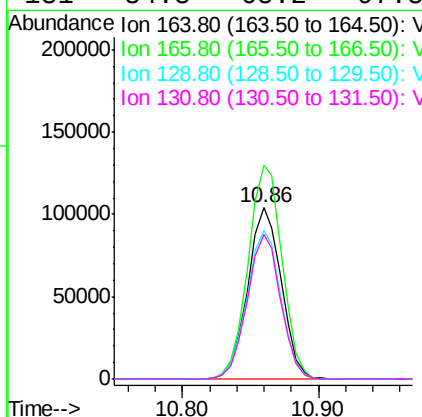
RT: 10.86 min Scan# 1469

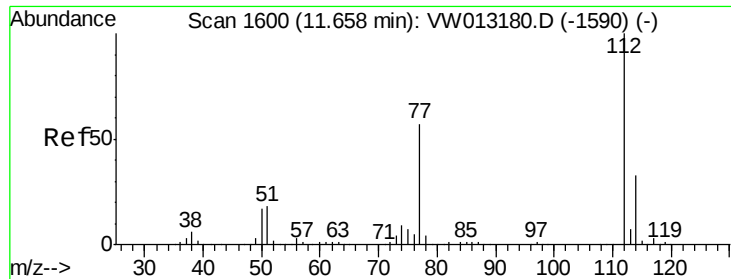
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	164	Resp:	179827
Ion Ratio	Lower	Upper	
164	100		
166	124.7	101.2	151.8
129	86.7	68.8	103.2
131	84.8	65.2	97.8





#65

Chlorobenzene

Concen: 50.391 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 483907

Ion Ratio Lower Upper

112 100

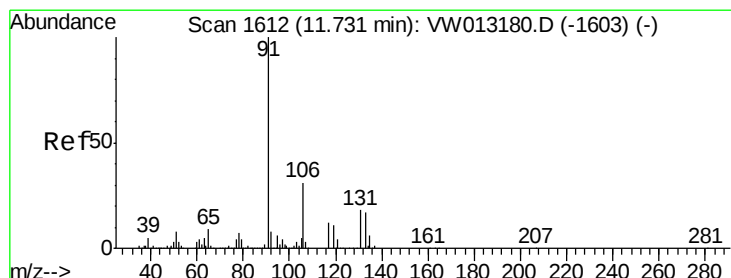
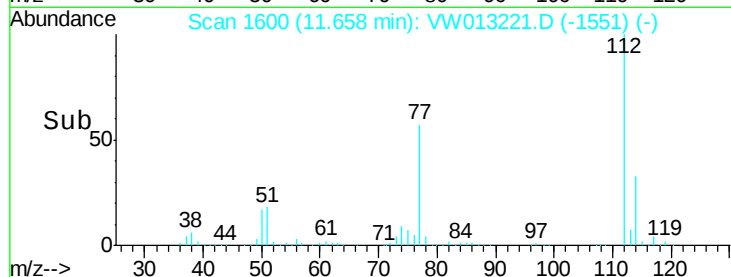
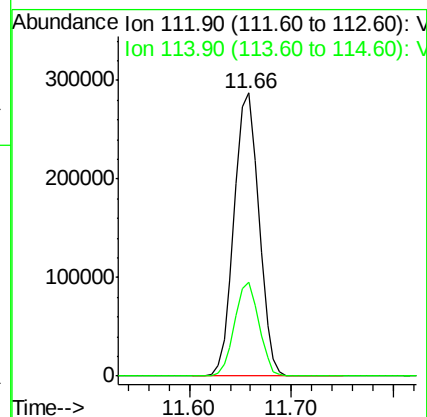
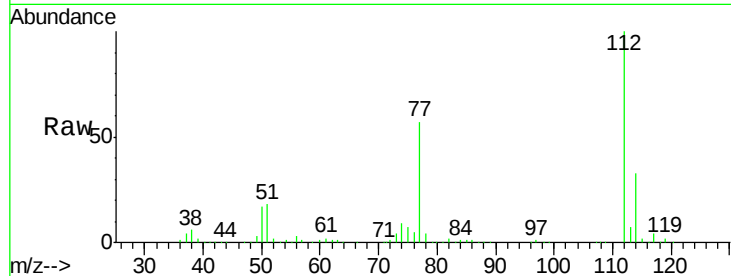
114 33.3 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:35:36 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.143 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

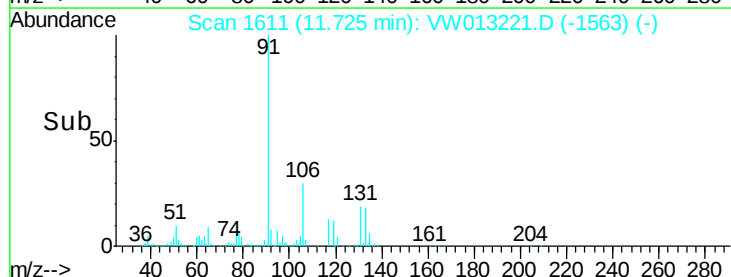
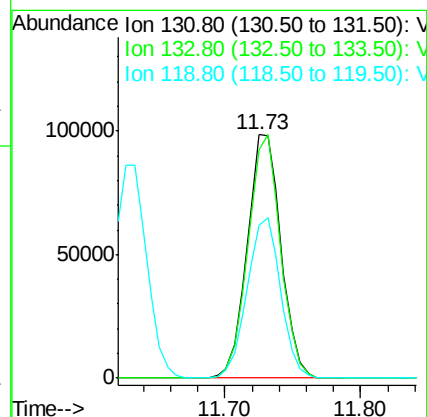
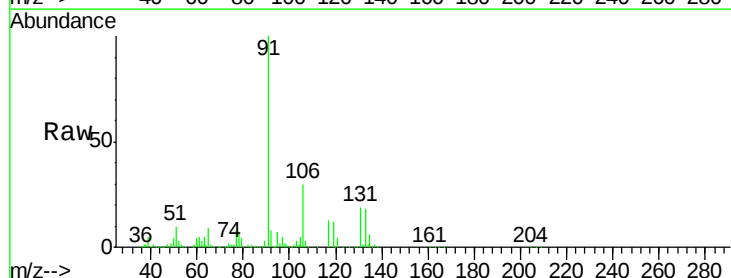
Tgt Ion:131 Resp: 171066

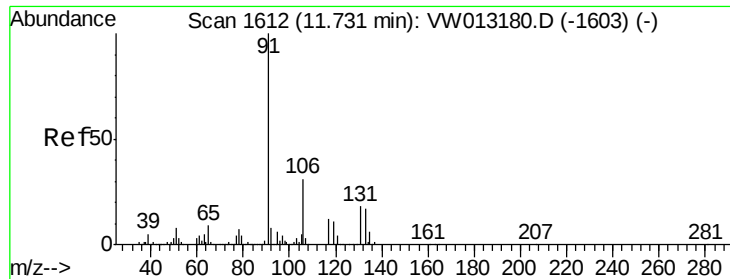
Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.6

119 65.3 32.5 97.5





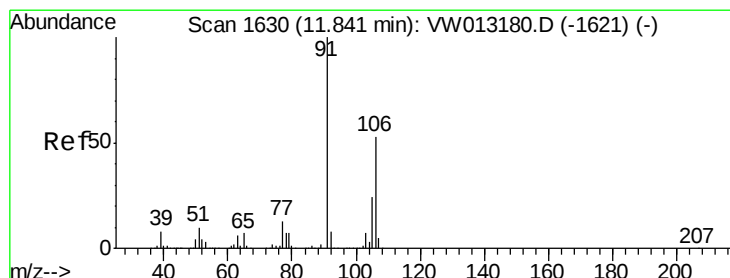
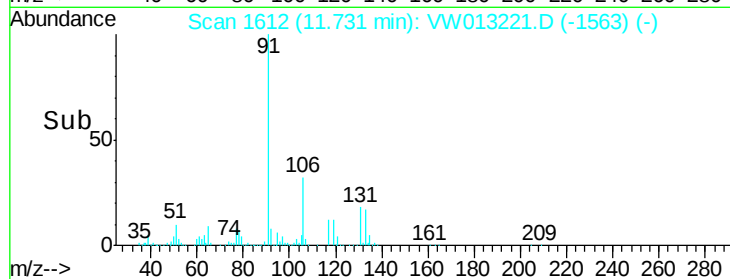
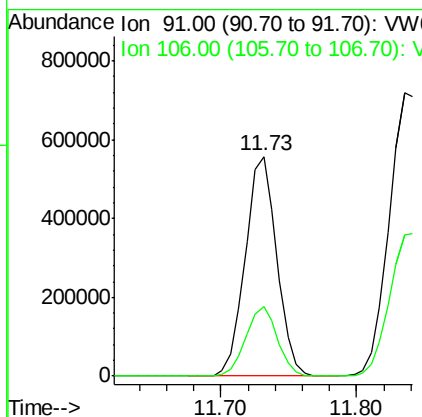
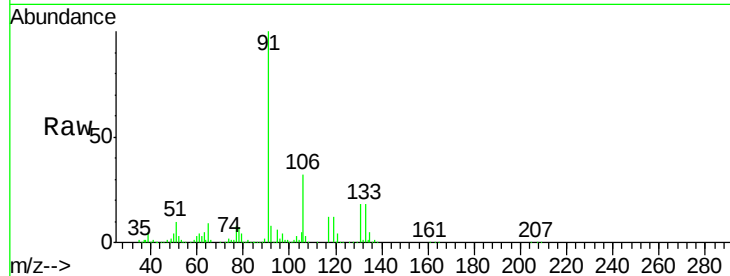
#67
Ethyl Benzene
Concen: 51.860 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		902348		
106	31.7	24.9	37.3		

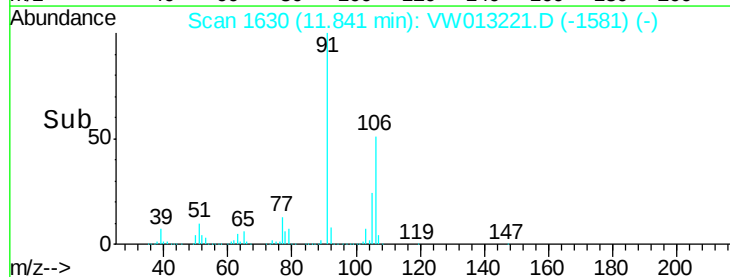
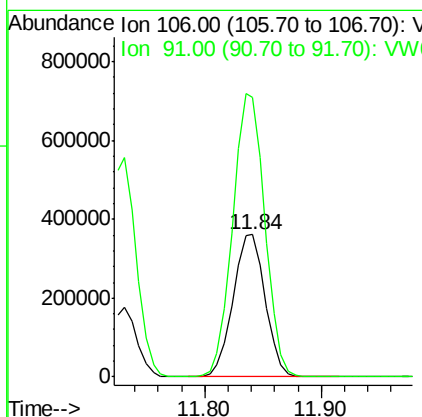
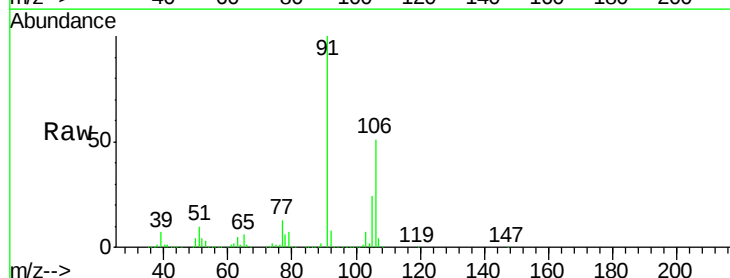
Manual Integrations
APPROVED

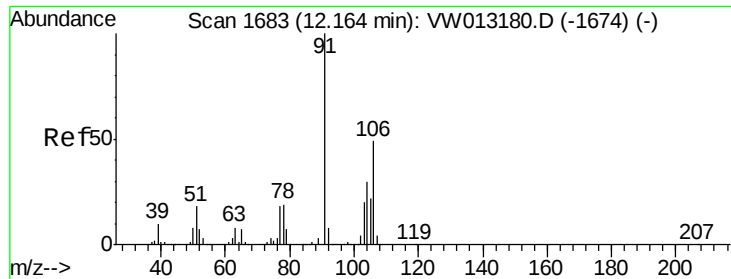
MMDadoda
9/25/2019 12:35:36 AM



#68
m/p-Xylenes
Concen: 104.176 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		690721		
91	199.2	157.9	236.9		





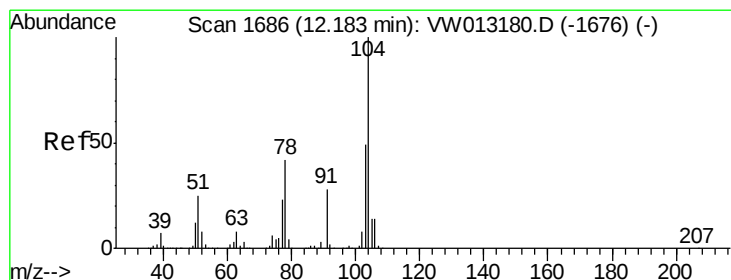
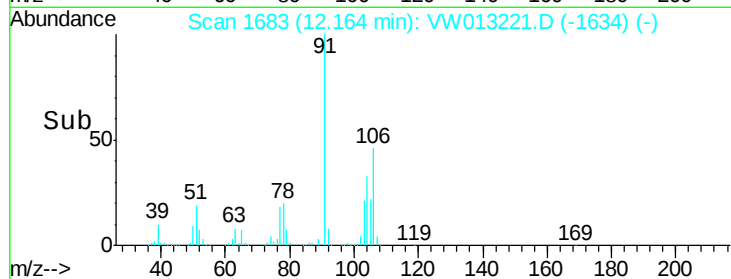
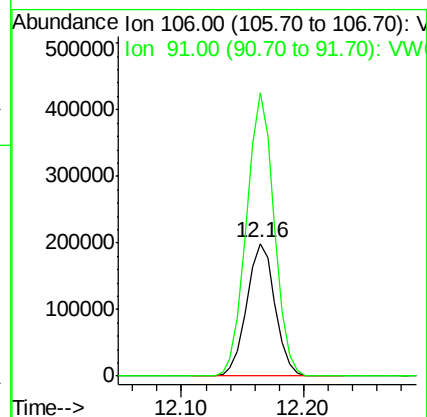
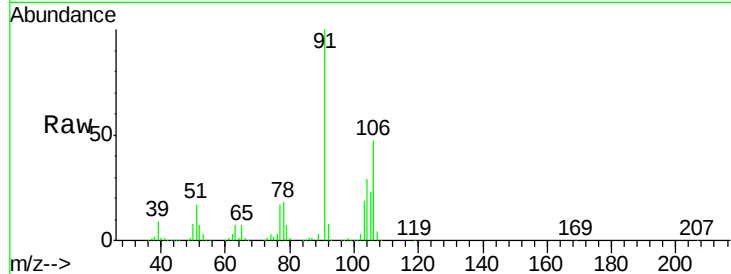
#69
o-Xylene
Concen: 51.808 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	106.5	319.5

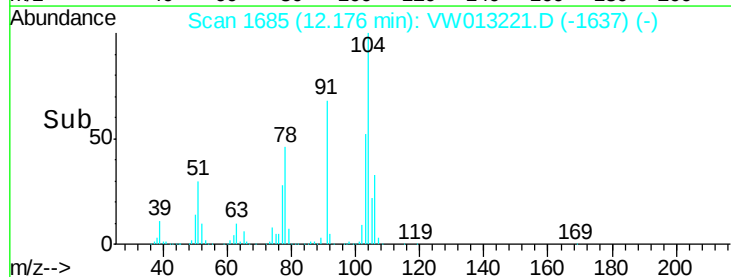
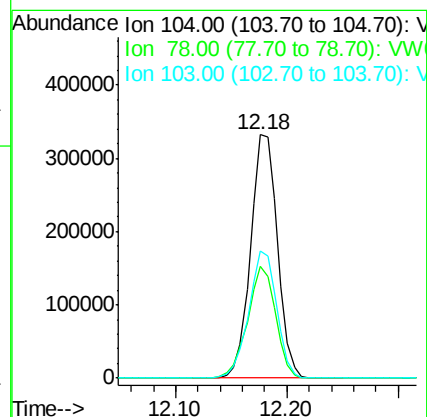
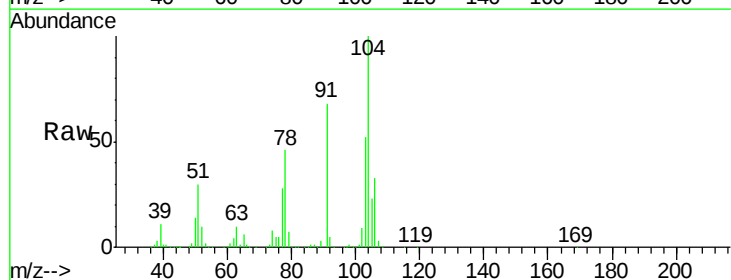
Manual Integrations
APPROVED

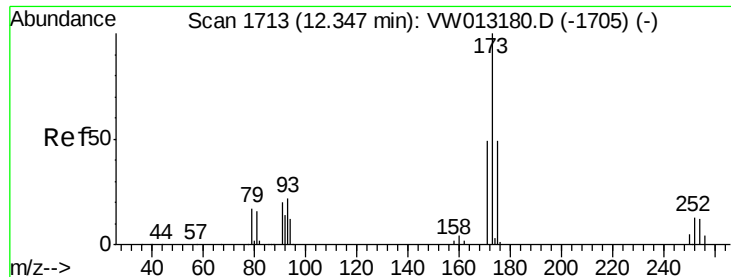
MMDadoda
9/25/2019 12:35:36 AM



#70
Styrene
Concen: 52.721 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.4	57.6
103	54.3	43.3	64.9





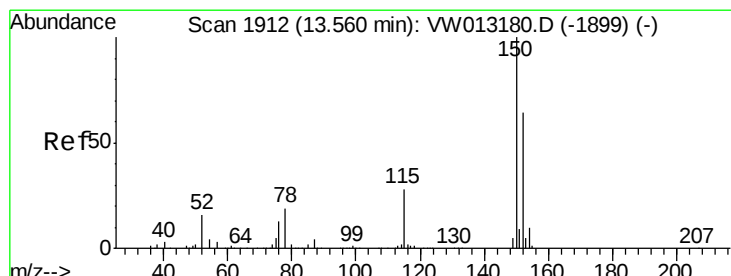
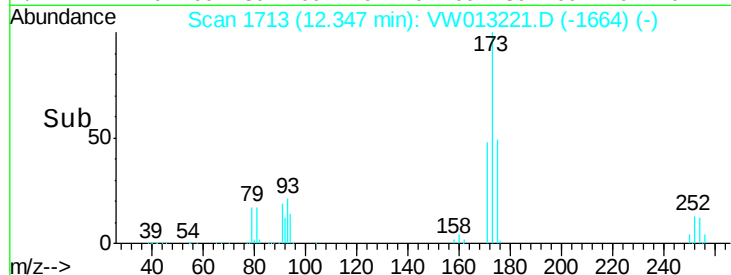
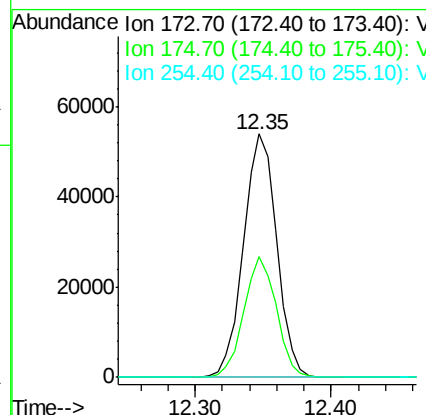
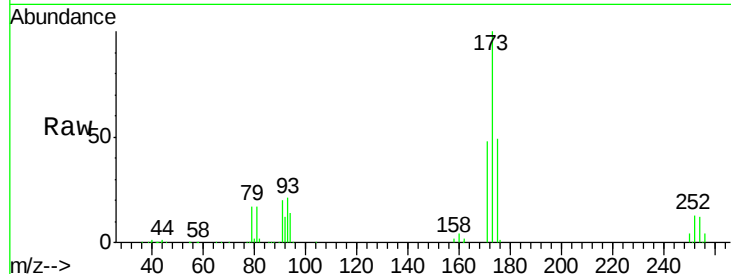
#71
Bromoform
Concen: 53.081 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.6	24.3	73.0		
254	0.1	0.1	0.1		

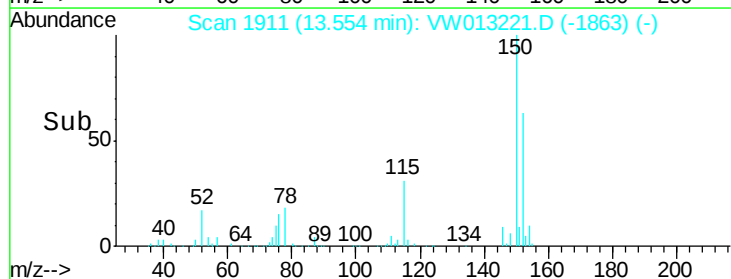
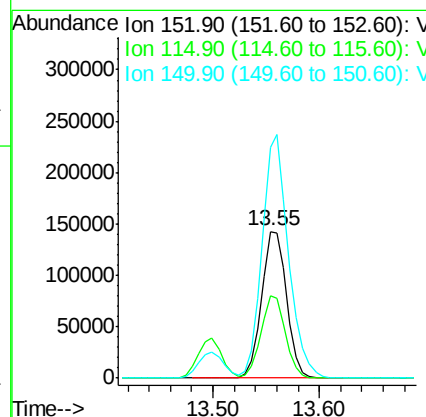
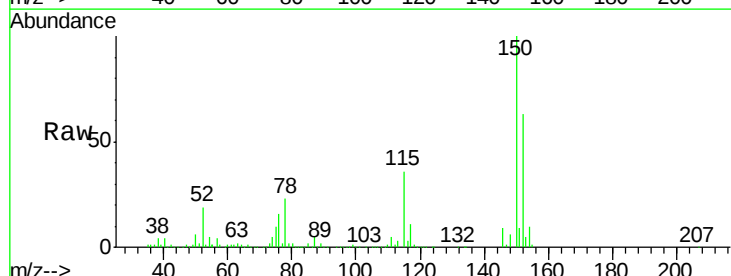
Manual Integrations
APPROVED

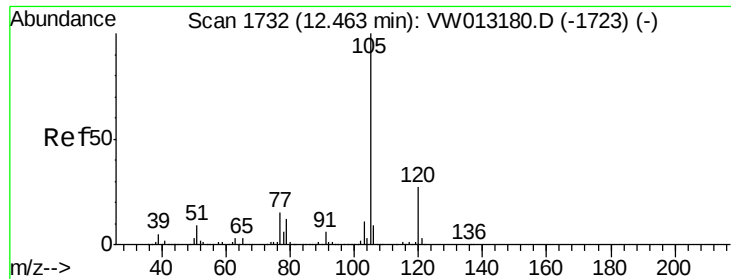
MMDadoda
9/25/2019 12:35:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	54.9	27.3	81.9		
150	174.4	0.0	349.0		





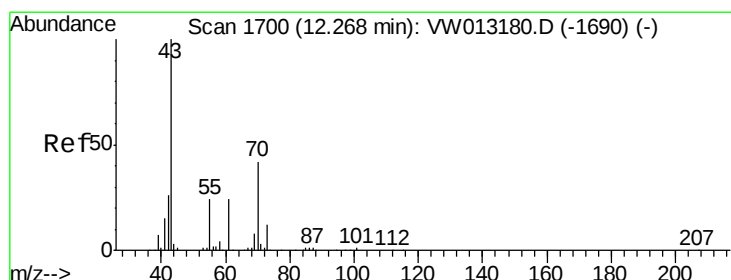
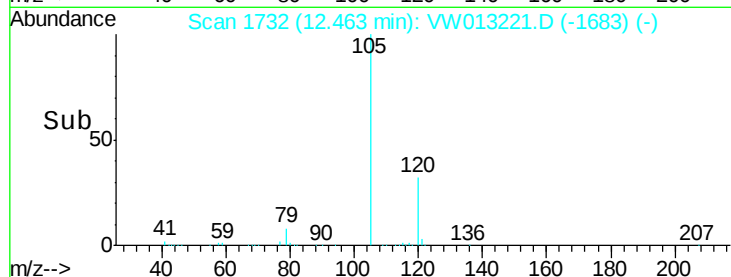
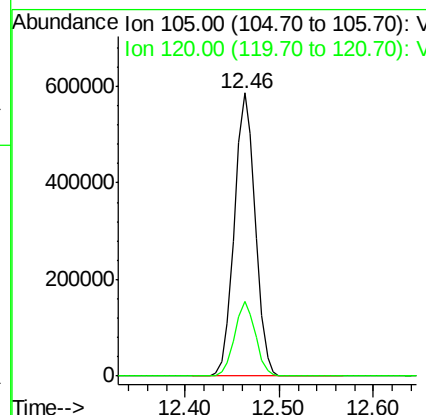
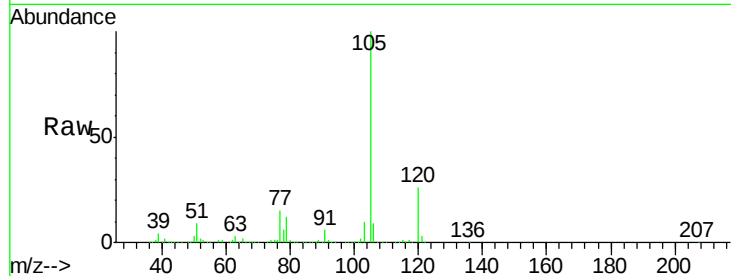
#73
Isopropylbenzene
Concen: 52.041 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.1

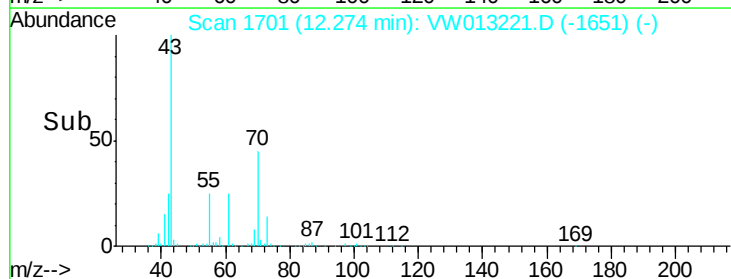
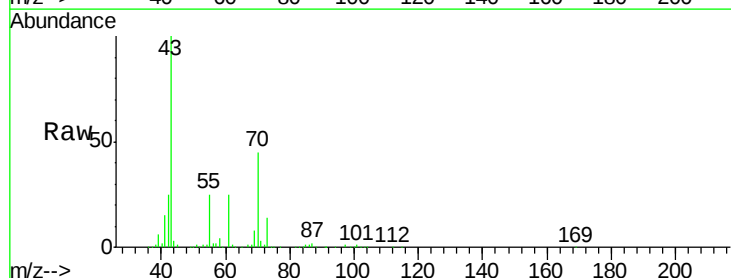
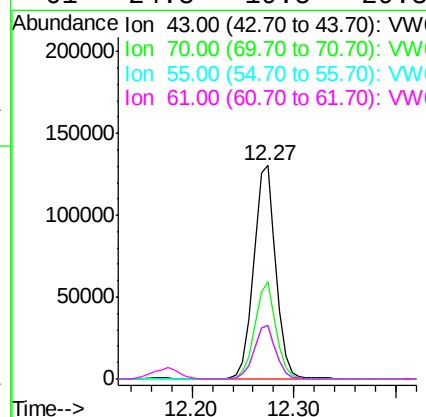
Manual Integrations
APPROVED

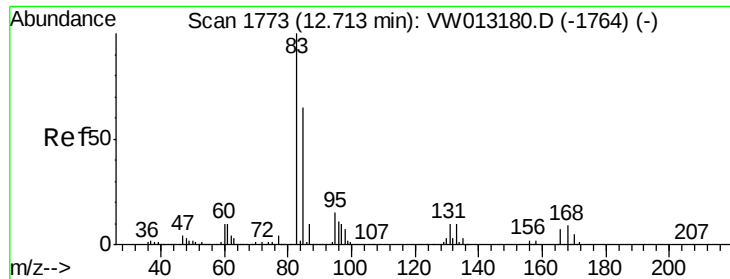
MMDadoda
9/25/2019 12:35:36 AM



#74
N-ethyl acetate
Concen: 51.505 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	35.1	52.7
55	24.8	19.9	29.9
61	24.8	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.373 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

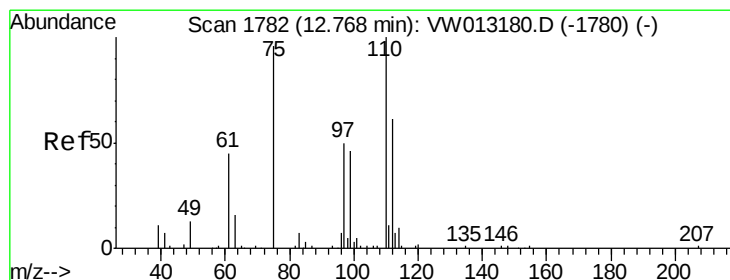
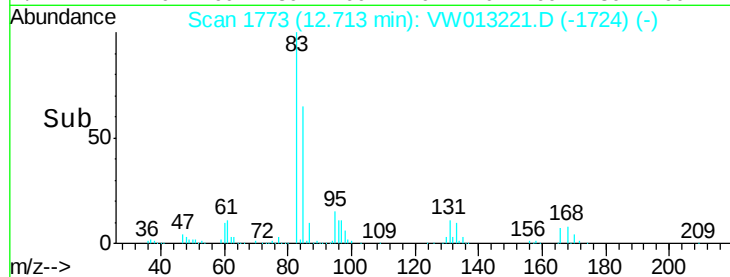
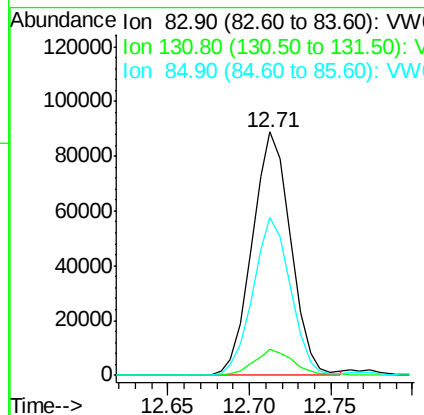
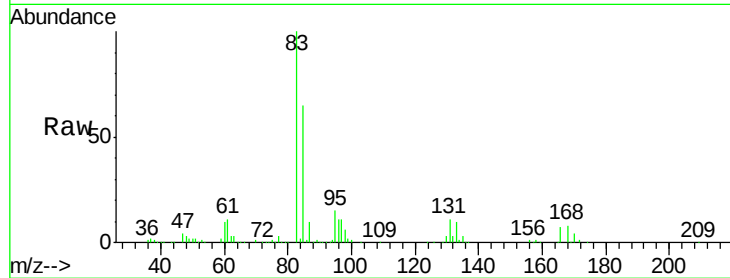
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	145568
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	63.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#76

1,2,3-Trichloropropane

Concen: 53.642 ug/l m

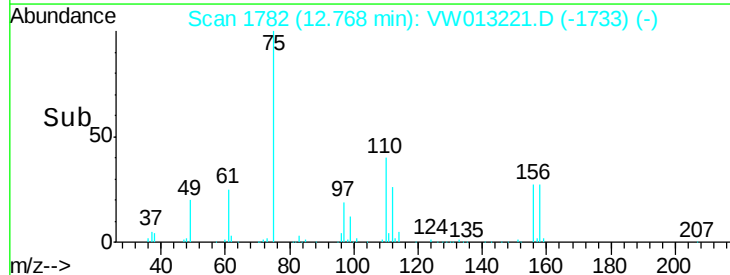
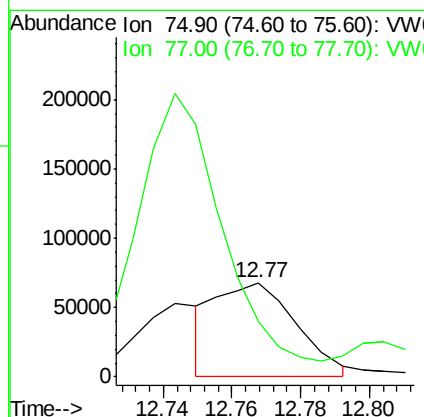
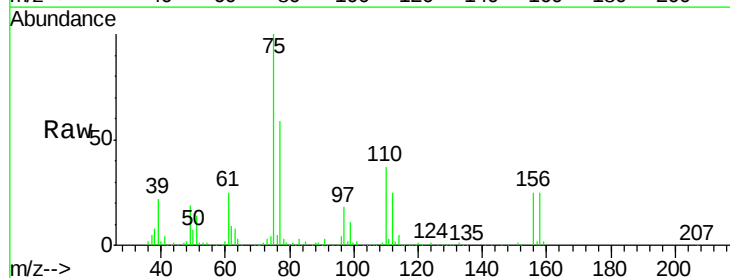
RT: 12.77 min Scan# 1782

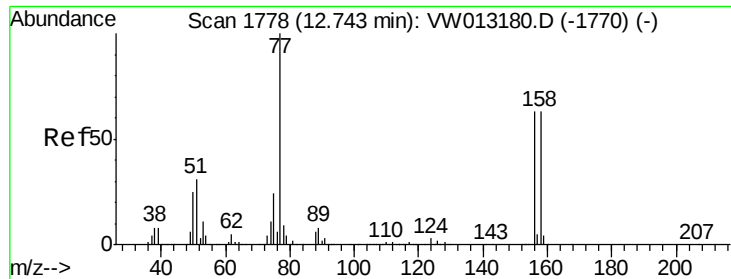
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	75	Resp:	110812
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.834 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

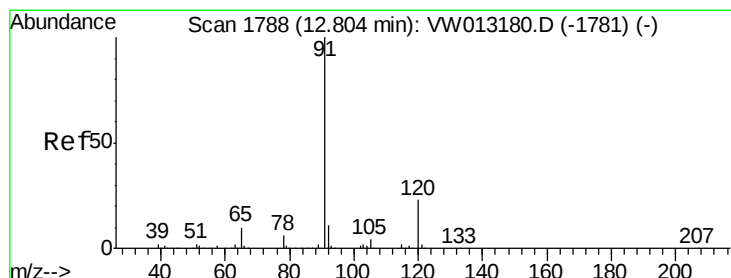
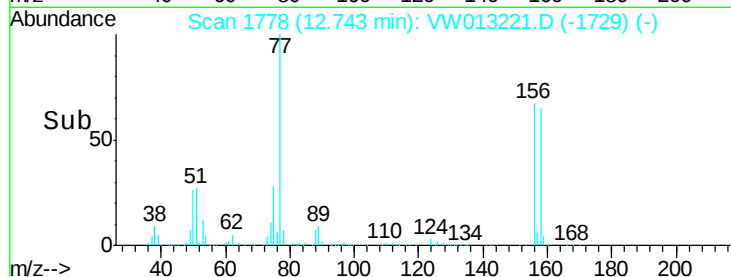
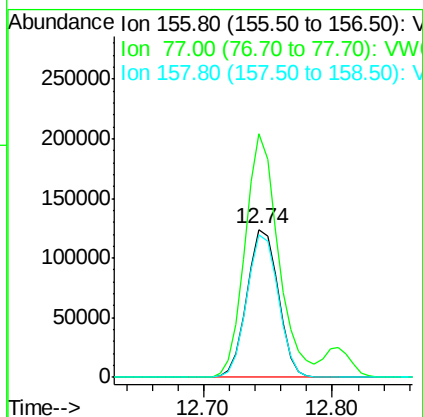
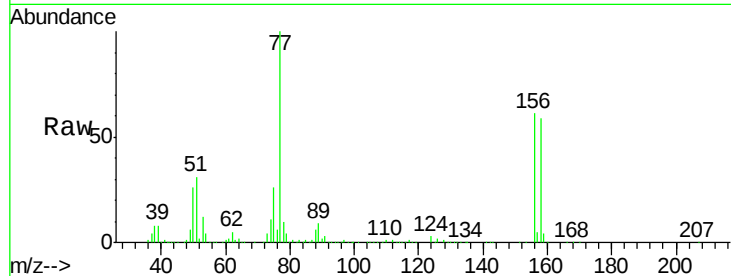
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	208152
Ion Ratio	Lower	Upper	
156	100		
77	174.5	85.7	257.1
158	96.2	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#78

n-propylbenzene

Concen: 52.177 ug/l

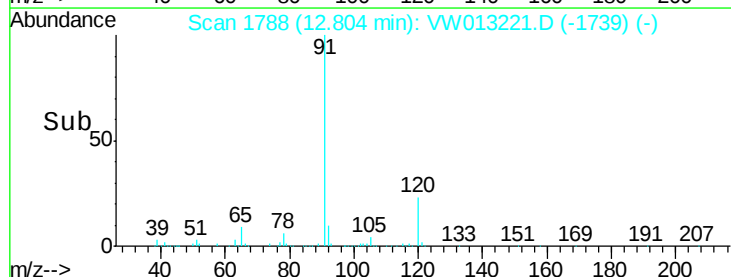
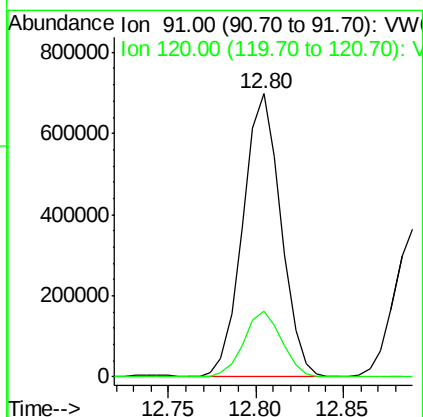
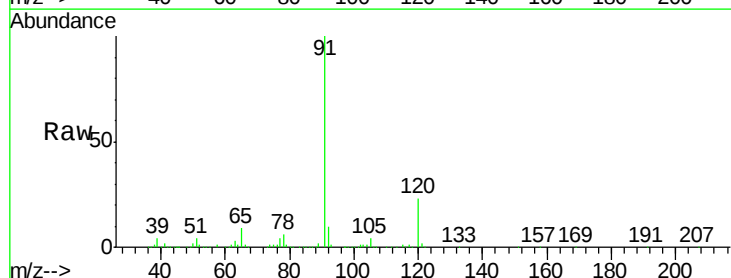
RT: 12.80 min Scan# 1788

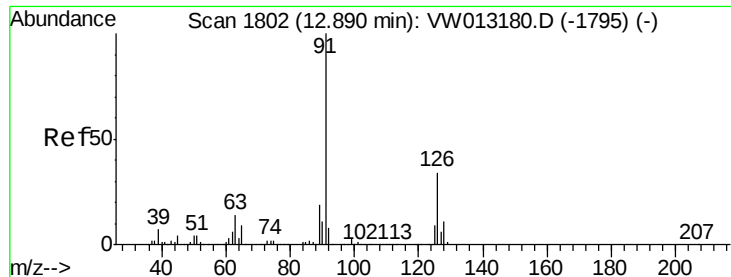
Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	91	Resp:	1055336
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 51.695 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 585774

Ion Ratio Lower Upper

91 100

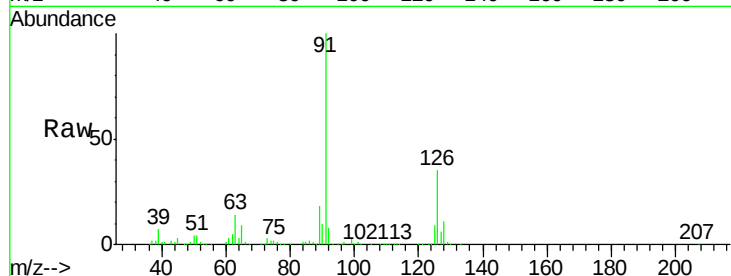
126 34.1 17.2 51.5

Manual Integrations

APPROVED

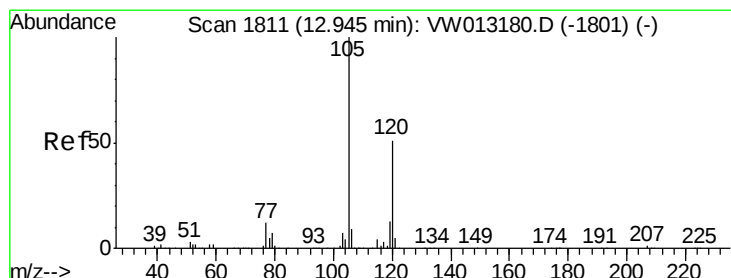
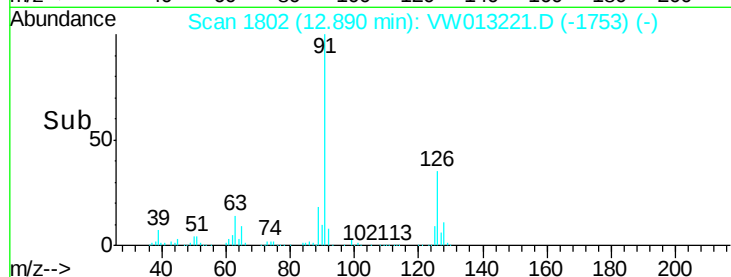
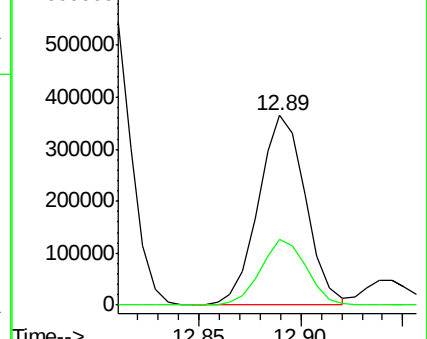
MMDadoda

9/25/2019 12:35:36 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: 51.560 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013221.D

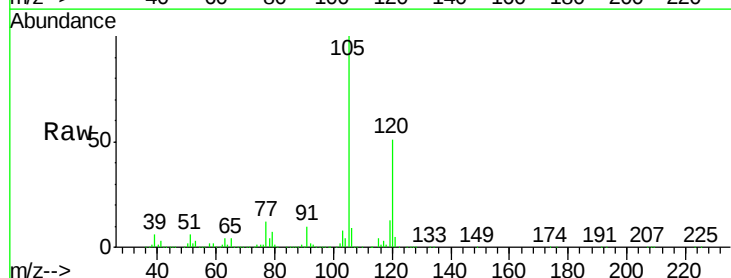
Acq: 23 Sep 2019 10:32

Tgt Ion:105 Resp: 748913

Ion Ratio Lower Upper

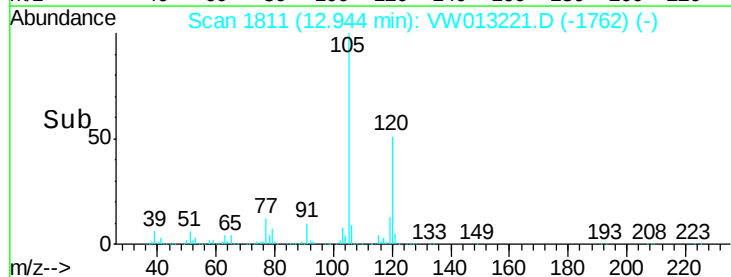
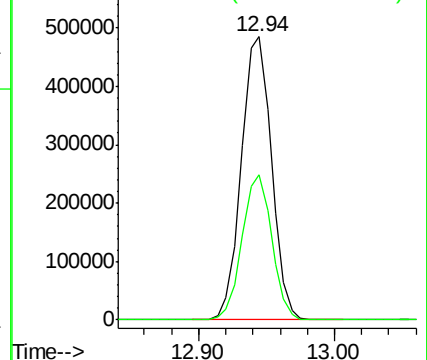
105 100

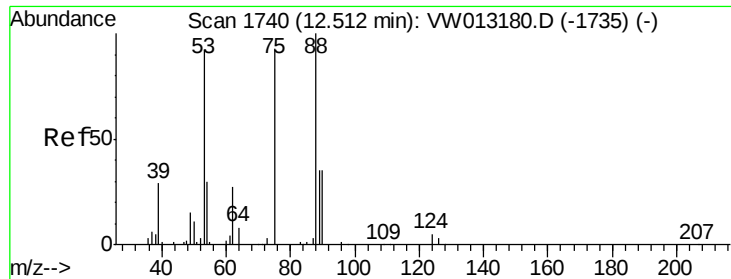
120 50.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





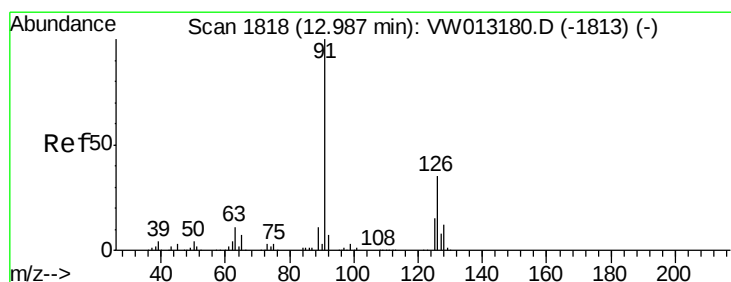
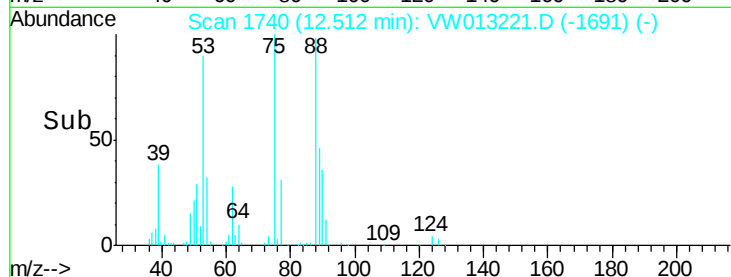
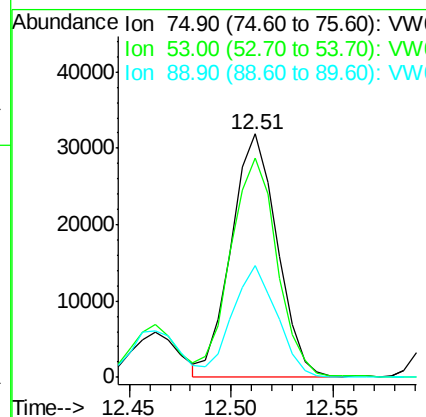
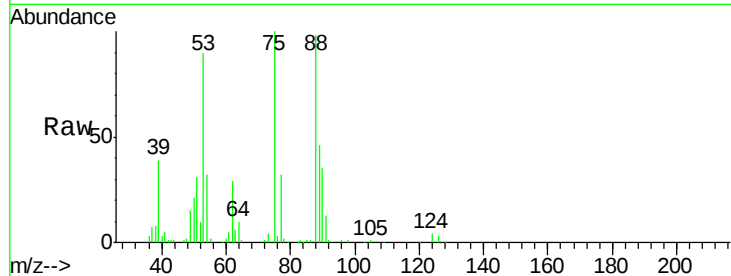
#81
trans-1,4-Dichloro-2-butene
Concen: 53.735 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	76.6	114.8
89	44.2	33.5	50.3

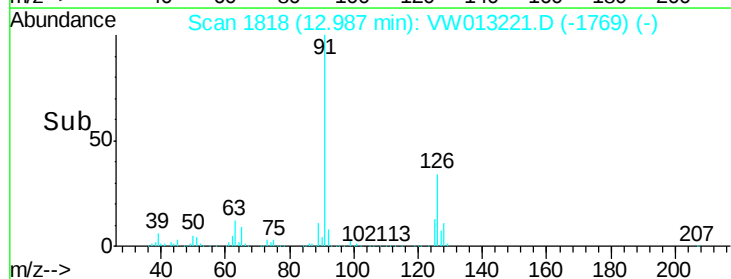
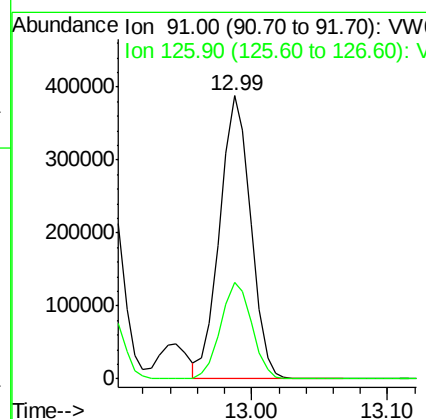
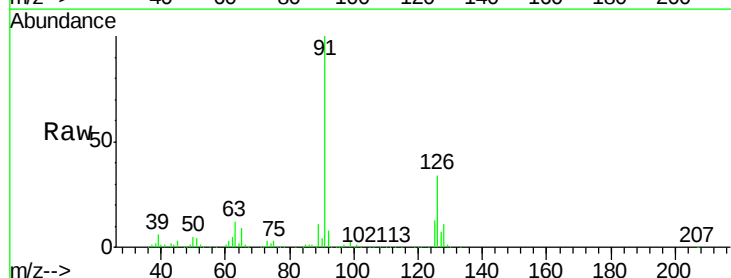
Manual Integrations
APPROVED

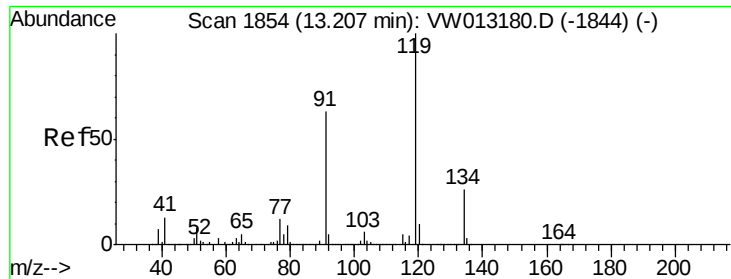
MMDadoda
9/25/2019 12:35:36 AM



#82
4-Chlorotoluene
Concen: 51.123 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.7





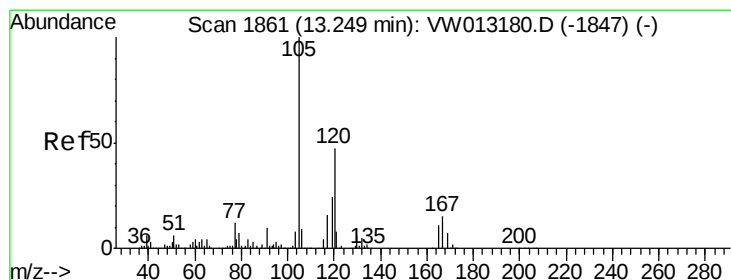
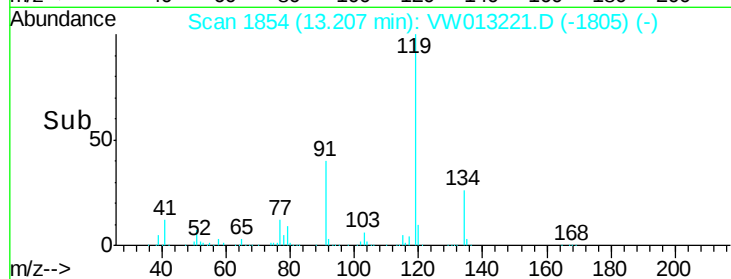
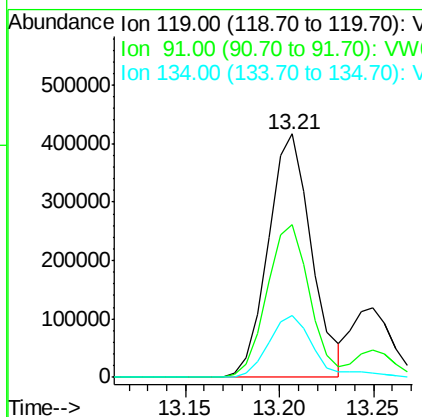
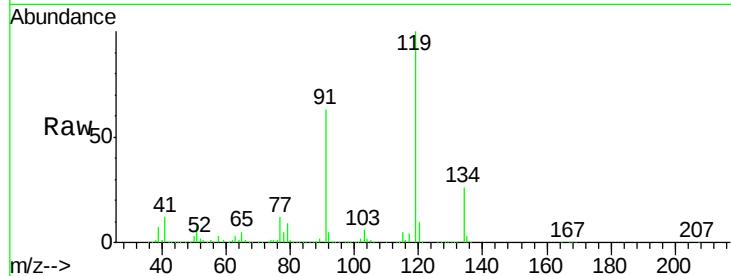
#83
tert-Butylbenzene
Concen: 52.036 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	26.9	12.6	37.6

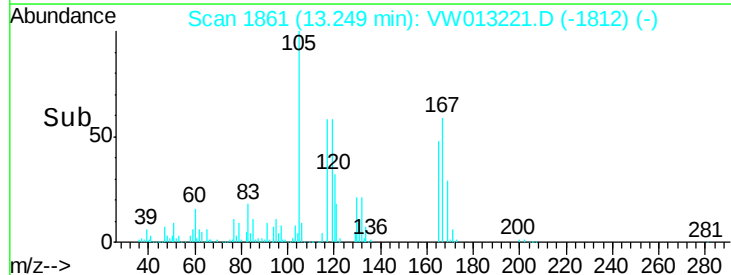
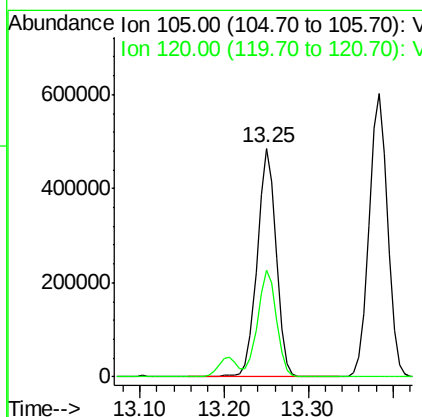
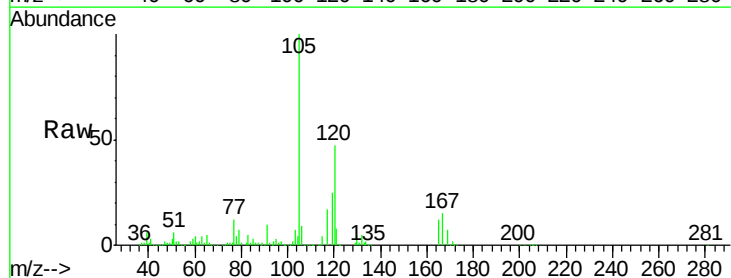
Manual Integrations
APPROVED

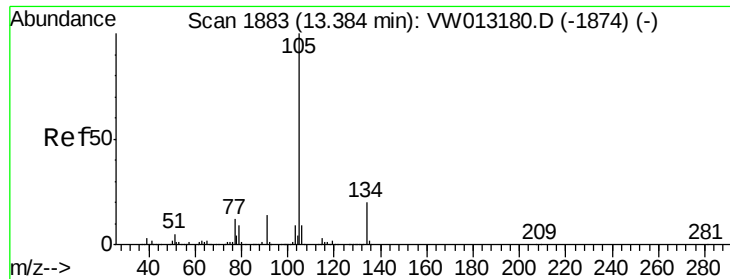
MMDadoda
9/25/2019 12:35:36 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.439 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 52.147 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 916573

Ion Ratio Lower Upper

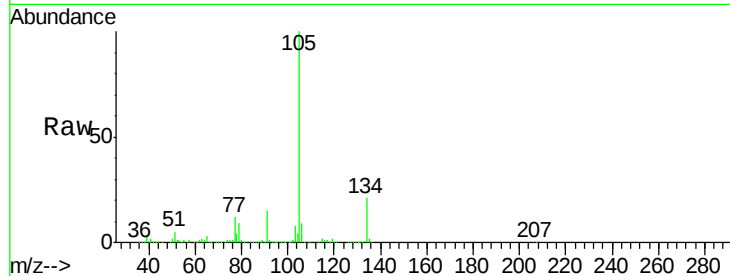
105 100

134 20.6 10.3 30.8

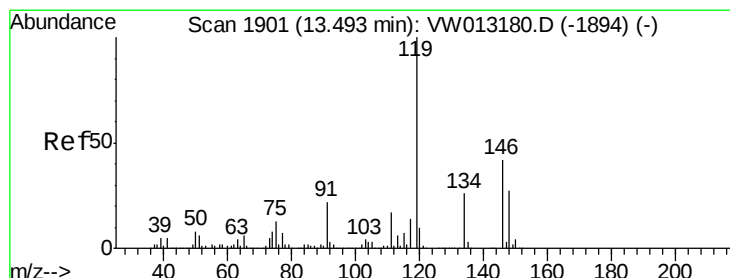
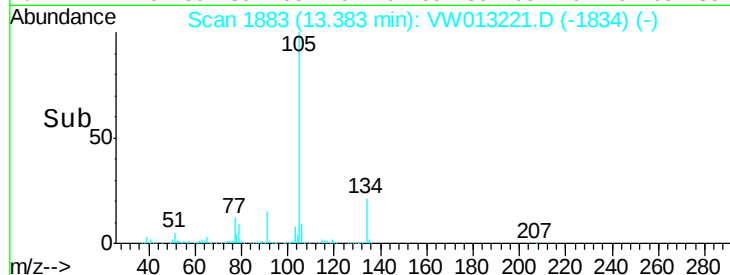
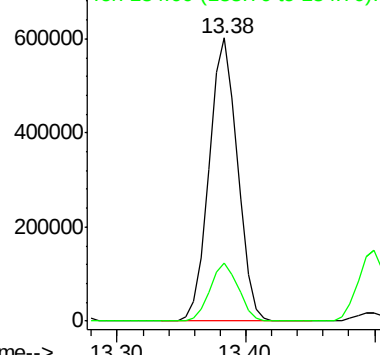
Manual Integrations
APPROVED

MMDadoda

9/25/2019 12:35:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.146 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013221.D

Acq: 23 Sep 2019 10:32

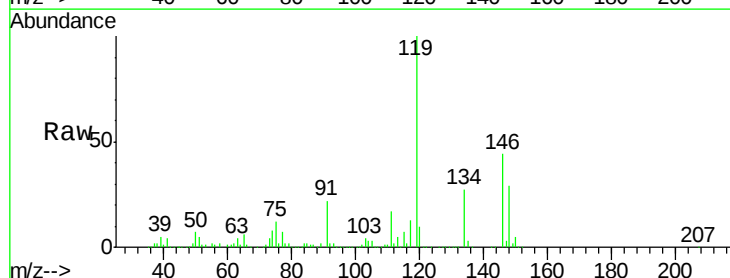
Tgt Ion:119 Resp: 850101

Ion Ratio Lower Upper

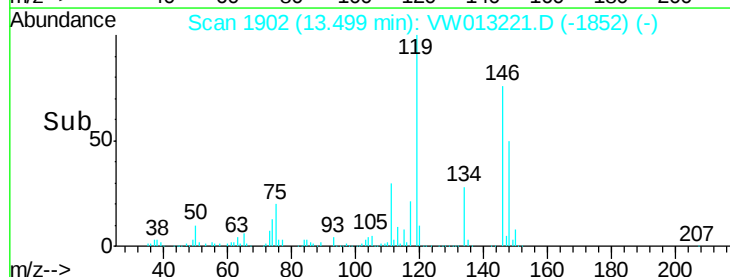
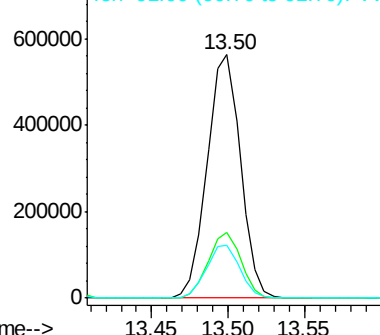
119 100

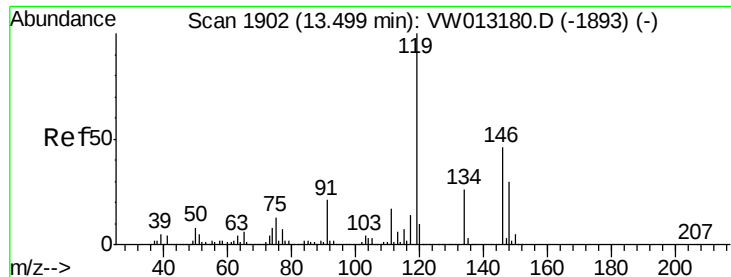
134 26.5 13.3 39.8

91 21.9 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





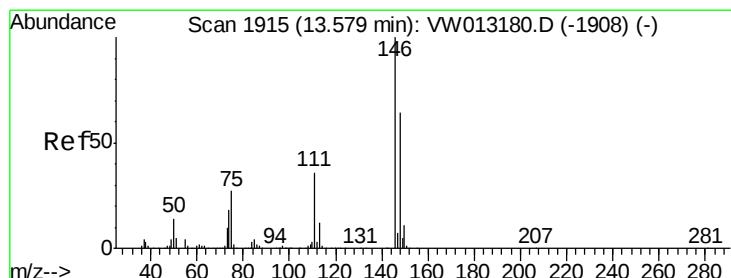
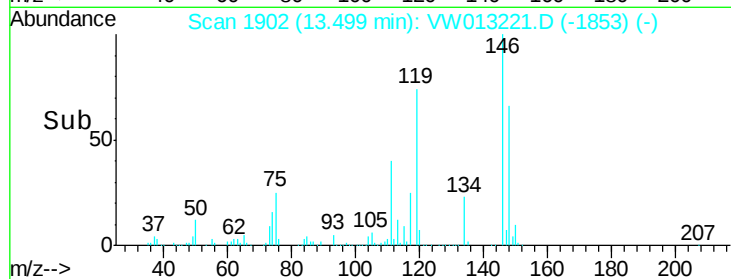
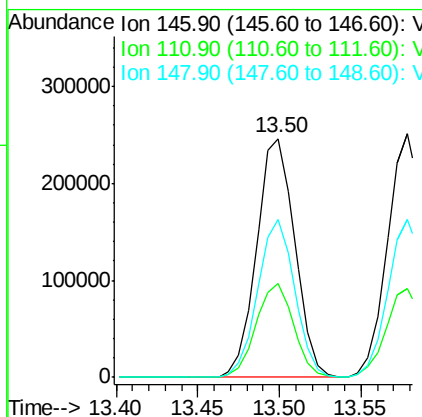
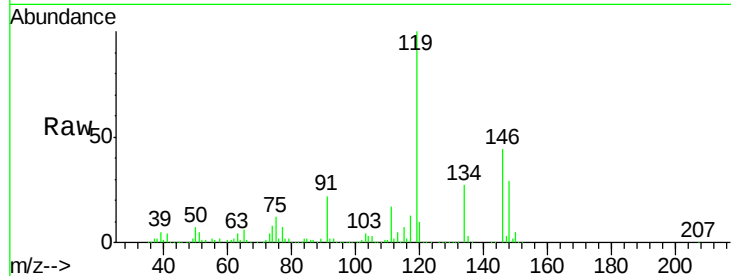
#87
 1,3-Dichlorobenzene
 Concen: 50.913 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	64.4	31.9	95.5

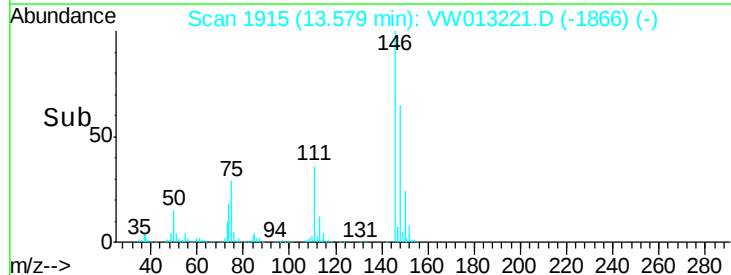
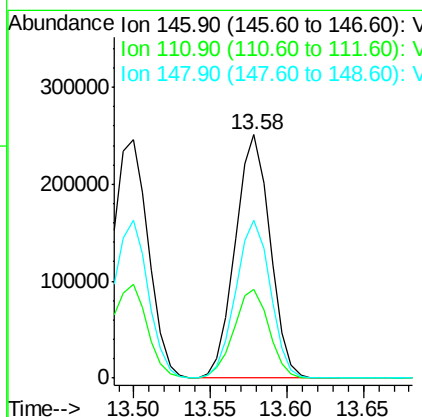
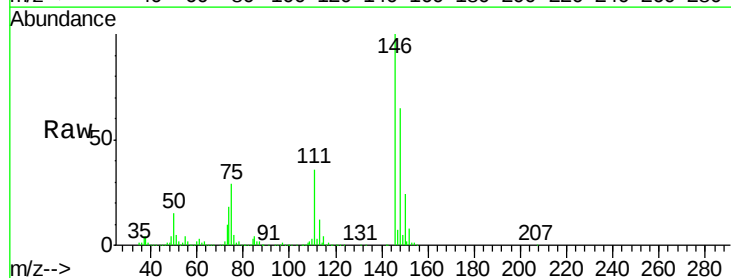
Manual Integrations
 APPROVED

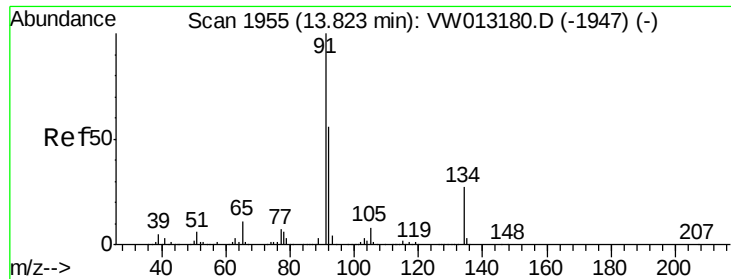
MMDadoda
 9/25/2019 12:35:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.491 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	64.5	32.1	96.3





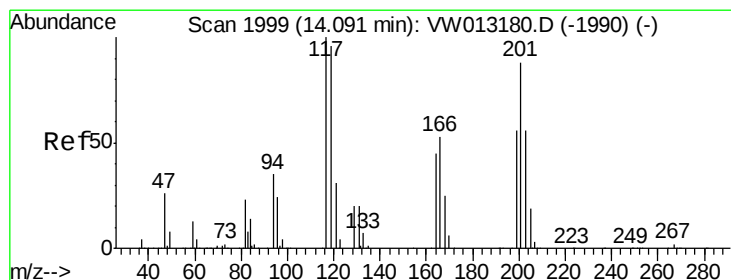
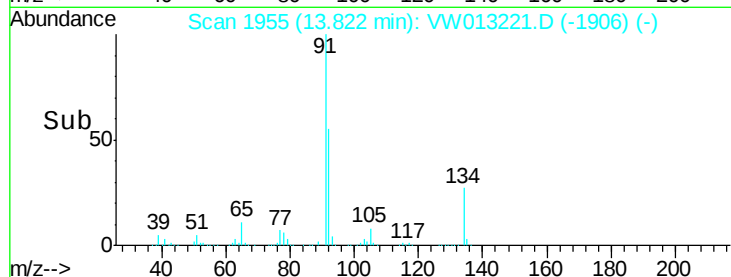
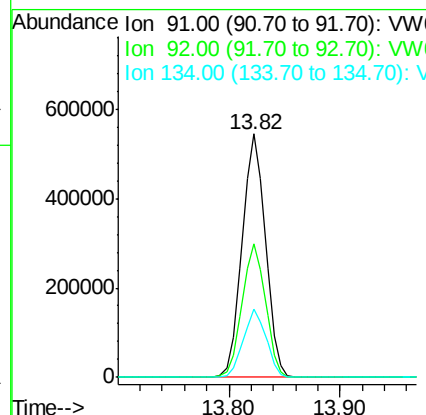
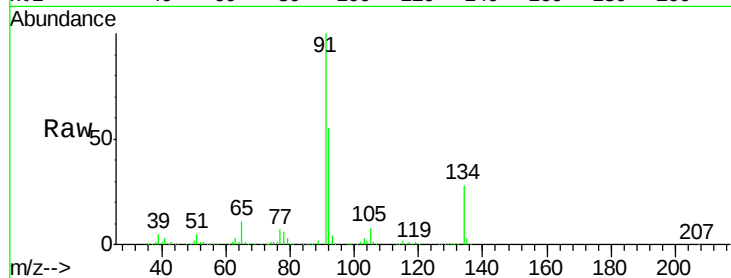
#89
n-Butylbenzene
Concen: 53.162 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	791354		
92	54.8	27.6	82.8	
134	27.5	13.7	41.1	

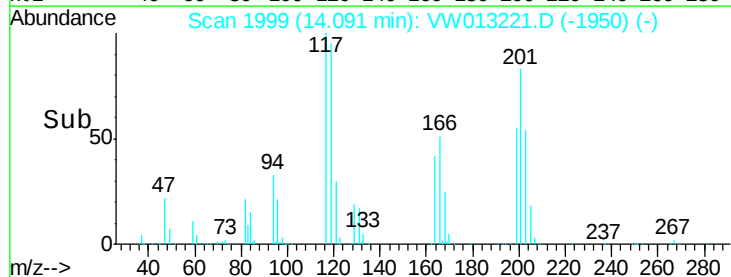
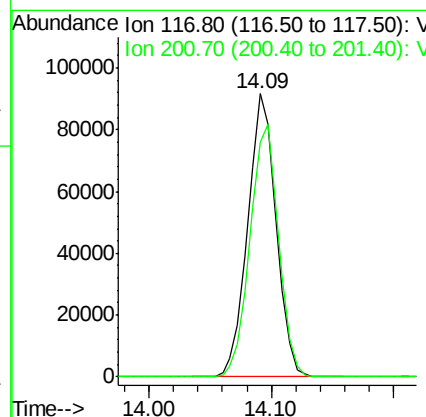
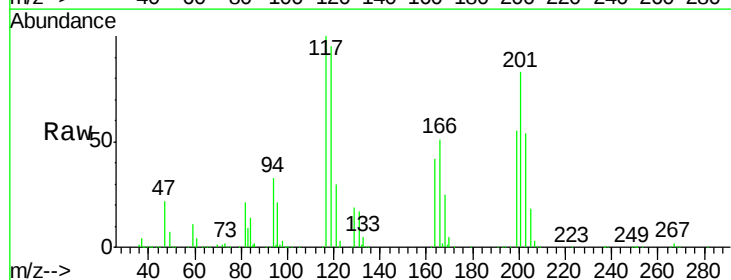
Manual Integrations
APPROVED

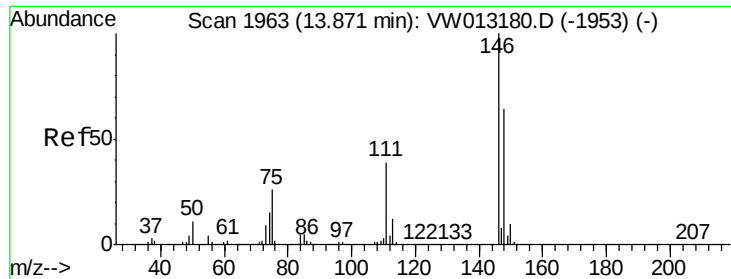
MMDadoda
9/25/2019 12:35:36 AM



#90
Hexachloroethane
Concen: 53.844 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	147461		
201	90.2	44.5	133.5	





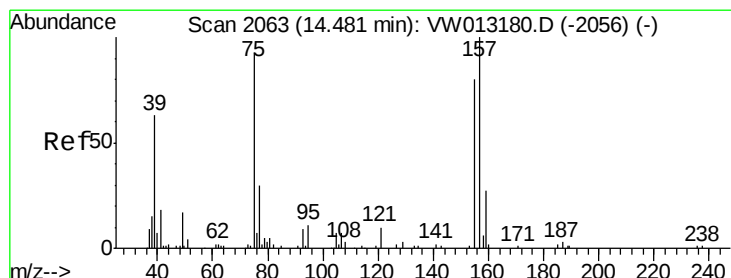
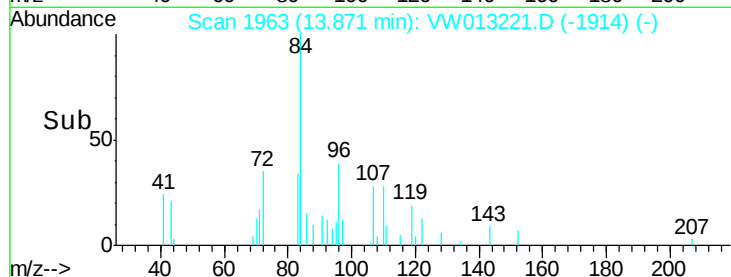
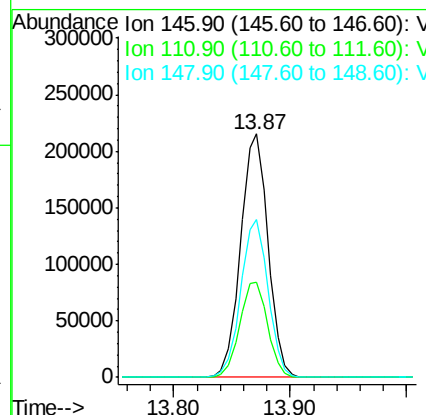
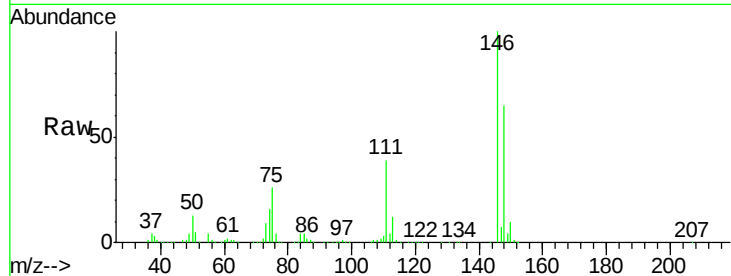
#91
 1,2-Dichlorobenzene
 Concen: 51.772 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	20.1	60.3	
148	64.7	32.0	96.0	

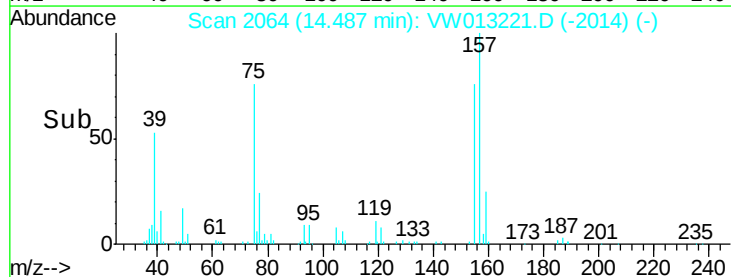
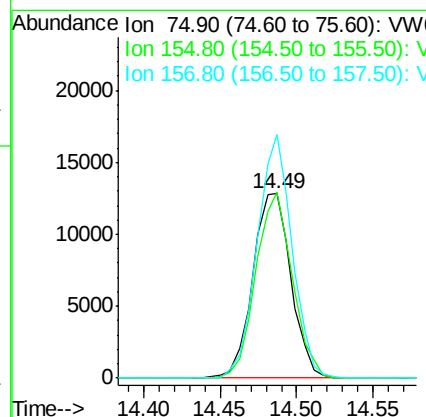
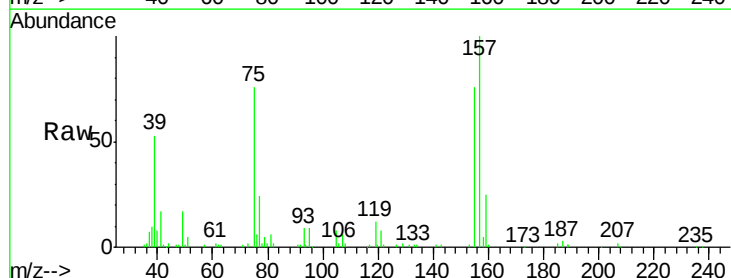
Manual Integrations
 APPROVED

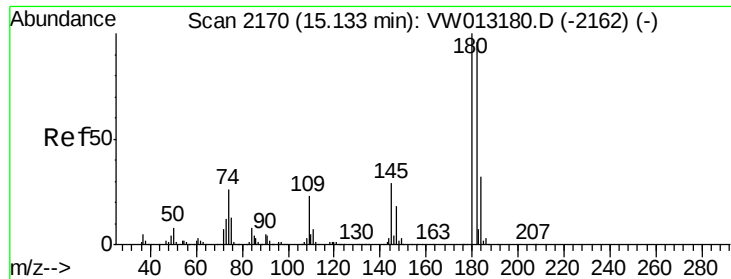
MMDadoda
 9/25/2019 12:35:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.308 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	96.4	46.1	138.3	
157	121.0	60.4	181.2	





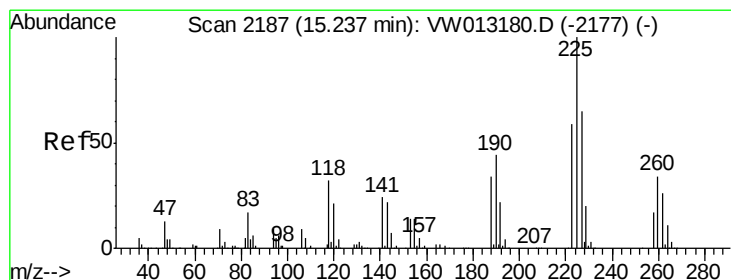
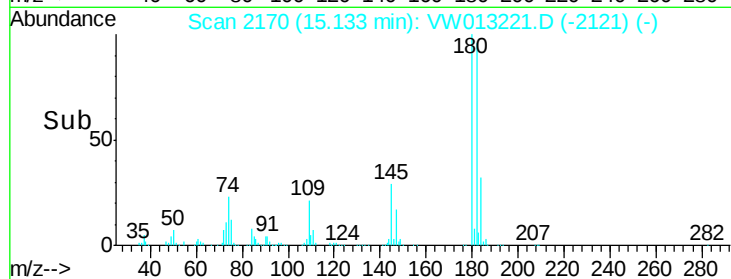
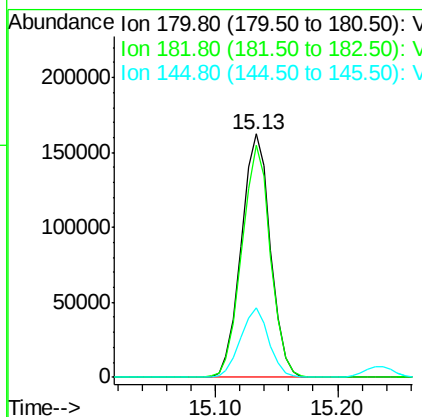
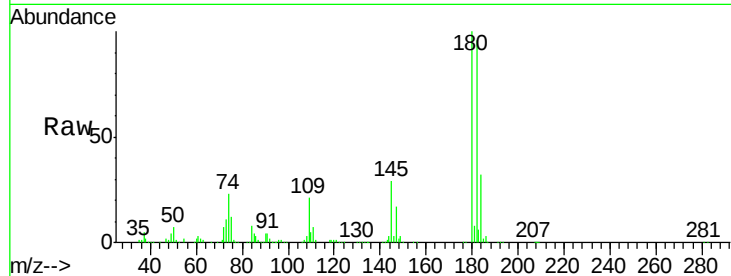
#93
 1,2,4-Trichlorobenzene
 Concen: 54.561 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266553		
182	94.1	47.3	142.0	
145	27.9	14.2	42.8	

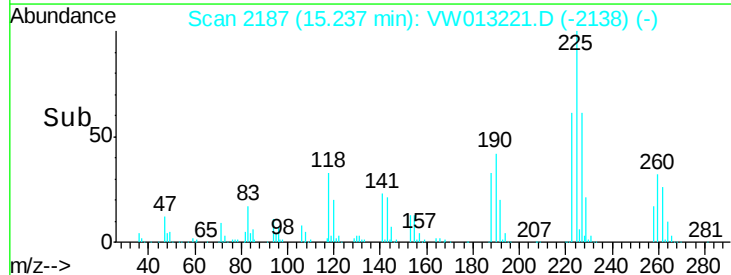
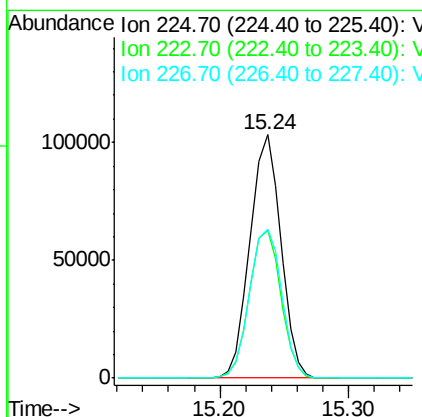
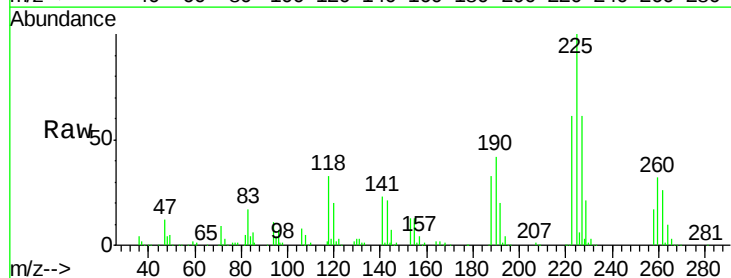
Manual Integrations
 APPROVED

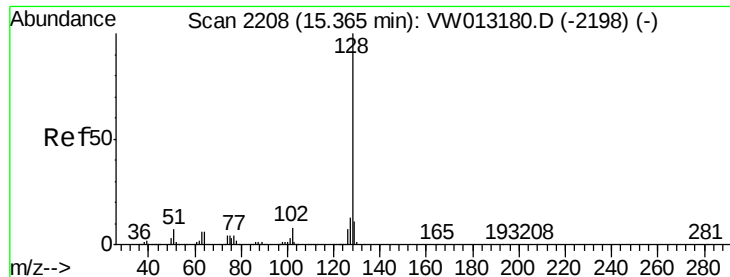
MMDadoda
 9/25/2019 12:35:36 AM



#94
 Hexachlorobutadiene
 Concen: 51.117 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013221.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170849		
223	62.2	30.6	91.8	
227	64.0	31.9	95.9	





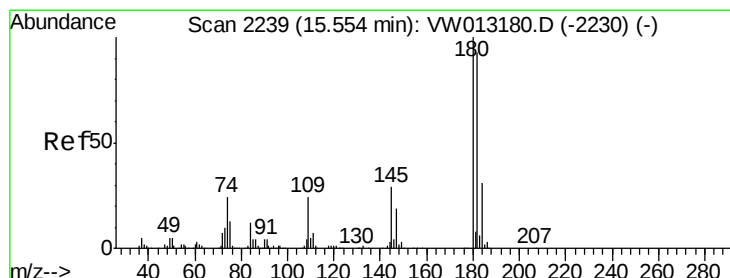
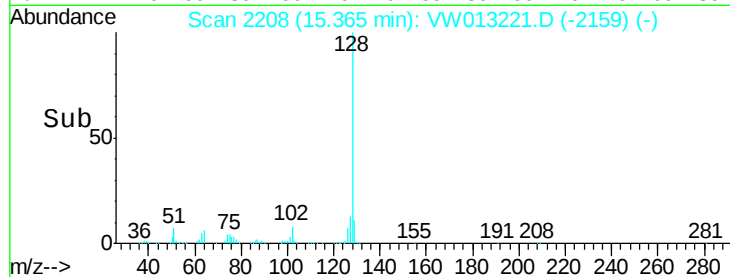
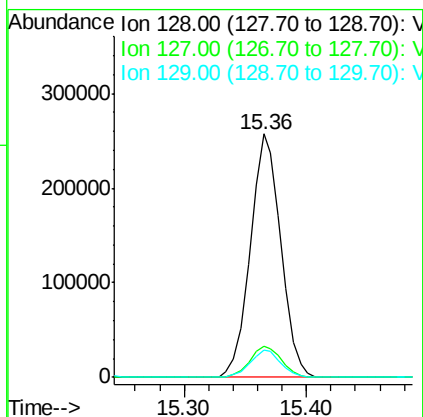
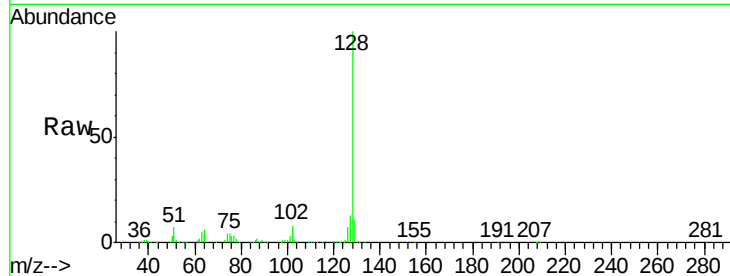
#95
Naphthalene
Concen: 55.656 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.176 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013221.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	29.9	15.0	45.0

