

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010558.D
 Acq On : 24 May 2019 19:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:28 PM

Quant Time: May 25 04:11:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	130719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	217510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65987	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.88	113	69971	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.32	98	257802	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	100768	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	62217	53.445	ug/l	100
3) Chloromethane	2.21	50	67008	48.789	ug/l	99
4) Vinyl Chloride	2.35	62	73767	46.369	ug/l	100
5) Bromomethane	2.75	94	53609	48.983	ug/l	100
6) Chloroethane	2.90	64	51807	50.729	ug/l	98
7) Trichlorofluoromethane	3.25	101	129212	55.014	ug/l	100
8) Diethyl Ether	3.68	74	42100	56.546	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80372	55.566	ug/l	98
10) Methyl Iodide	4.27	142	88627	53.607	ug/l	99
11) Tert butyl alcohol	5.17	59	36679	302.225	ug/l	96
12) 1,1-Dichloroethene	4.03	96	75883	54.958	ug/l	99
13) Acrolein	3.90	56	21427	308.188	ug/l	97
14) Allyl chloride	4.67	41	106268	53.171	ug/l	99
15) Acrylonitrile	5.37	53	84843	272.101	ug/l	98
16) Acetone	4.12	43	69588	252.670	ug/l	98
17) Carbon Disulfide	4.38	76	214902	52.181	ug/l	98
18) Methyl Acetate	4.67	43	34991	51.948	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	200529	56.969	ug/l	99
20) Methylene Chloride	4.92	84	83614	51.939	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	88907	56.137	ug/l	98
22) Diisopropyl ether	6.31	45	223450	54.525	ug/l	99
23) Vinyl Acetate	6.26	43	662969	270.825	ug/l	98
24) 1,1-Dichloroethane	6.22	63	137707	56.309	ug/l	98
25) 2-Butanone	7.17	43	108011	274.044	ug/l	100
26) 2,2-Dichloropropane	7.17	77	126361	54.243	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	99075	57.541	ug/l	99
28) Bromochloromethane	7.51	49	43459	49.634	ug/l	91
29) Tetrahydrofuran	7.52	42	69529	260.698	ug/l	96
30) Chloroform	7.68	83	150426	57.026	ug/l	98
31) Cyclohexane	7.95	56	127934	49.941	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	140381	55.680	ug/l	99
36) 1,1-Dichloropropene	8.08	75	115843	57.172	ug/l	99
37) Ethyl Acetate	7.25	43	49326	57.247	ug/l	99
38) Carbon Tetrachloride	8.07	117	124947	57.164	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
 Data File : VW010558.D
 Acq On : 24 May 2019 19:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:28 PM

Quant Time: May 25 04:11:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	154022	56.737	ug/l	98
40) Benzene	8.32	78	331341	58.834	ug/l	99
41) Methacrylonitrile	7.48	41	27097	52.927	ug/l	99
42) 1,2-Dichloroethane	8.40	62	94636	58.794	ug/l	99
43) Isopropyl Acetate	8.43	43	95830	55.671	ug/l	100
44) Trichloroethene	9.09	130	100575	60.154	ug/l	99
45) 1,2-Dichloropropane	9.37	63	77490	57.935	ug/l	97
46) Dibromomethane	9.46	93	46331	59.231	ug/l	95
47) Bromodichloromethane	9.65	83	114258	58.126	ug/l	98
48) Methyl methacrylate	9.44	41	43453	55.178	ug/l	98
49) 1,4-Dioxane	9.45	88	16669	1304.511	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	241972	277.408	ug/l	99
52) Toluene	10.39	92	226181	59.802	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	113922	57.224	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	133568	58.747	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	68216	60.645	ug/l	95
56) Ethyl methacrylate	10.65	69	88888	57.298	ug/l	98
57) 1,3-Dichloropropane	10.93	76	111780	59.326	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	165931	241.484	ug/l	98
59) 2-Hexanone	10.97	43	171070	274.933	ug/l	99
60) Dibromochloromethane	11.13	129	85379	59.975	ug/l	100
61) 1,2-Dibromoethane	11.24	107	67810	59.512	ug/l	99
64) Tetrachloroethene	10.87	164	83953	60.552	ug/l	94
65) Chlorobenzene	11.66	112	251244	59.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	89345	58.840	ug/l	100
67) Ethyl Benzene	11.73	91	424381	56.707	ug/l	98
68) m/p-Xylenes	11.84	106	338448	115.300	ug/l	99
69) o-Xylene	12.16	106	162213	58.327	ug/l	98
70) Styrene	12.18	104	275417	58.366	ug/l	99
71) Bromoform	12.35	173	48429	57.917	ug/l #	99
73) Isopropylbenzene	12.46	105	434223	55.620	ug/l	100
74) N-amyl acetate	12.27	43	92780	51.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77752	54.756	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	52990m	53.062	ug/l	
77) Bromobenzene	12.75	156	103821	59.426	ug/l	95
78) n-propylbenzene	12.80	91	501388	55.110	ug/l	99
79) 2-Chlorotoluene	12.90	91	292755	55.487	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	370117	55.976	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24481	51.162	ug/l	98
82) 4-Chlorotoluene	12.99	91	305775	55.835	ug/l	100
83) tert-Butylbenzene	13.21	119	319600	55.336	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	366598	55.669	ug/l	99
85) sec-Butylbenzene	13.38	105	447606	55.379	ug/l	100
86) p-Isopropyltoluene	13.50	119	408388	55.822	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	198500	57.912	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200160	58.203	ug/l	99
89) n-Butylbenzene	13.83	91	383128	55.058	ug/l	99
90) Hexachloroethane	14.10	117	77301	54.589	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	182993	58.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13898	52.637	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052419\
Data File : VW010558.D
Acq On : 24 May 2019 19:37
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

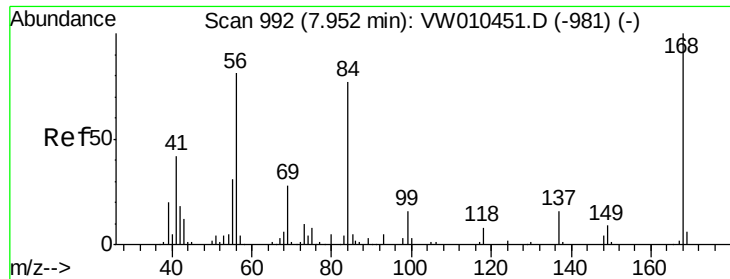
Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM

Quant Time: May 25 04:11:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	129288	60.844	ug/l	100
94) Hexachlorobutadiene	15.24	225	68764	60.575	ug/l	99
95) Naphthalene	15.37	128	255085	57.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	110698	60.543	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 130719

Ion Ratio Lower Upper

168 100

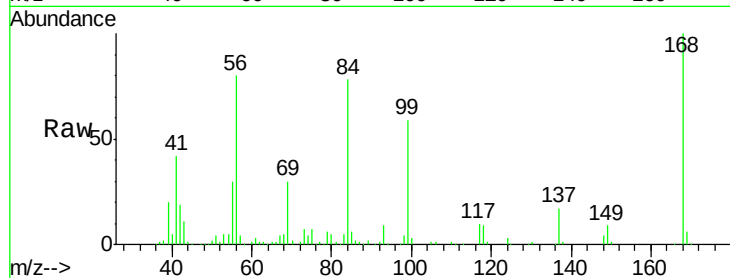
99 59.3 46.1 69.1

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

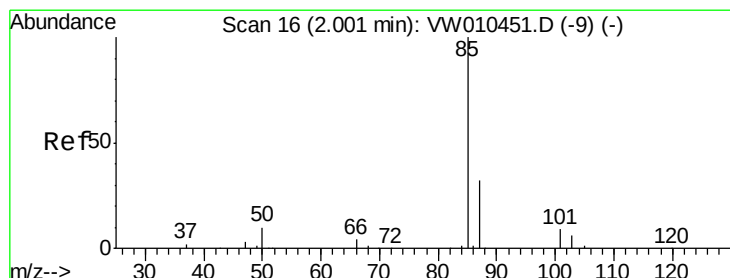
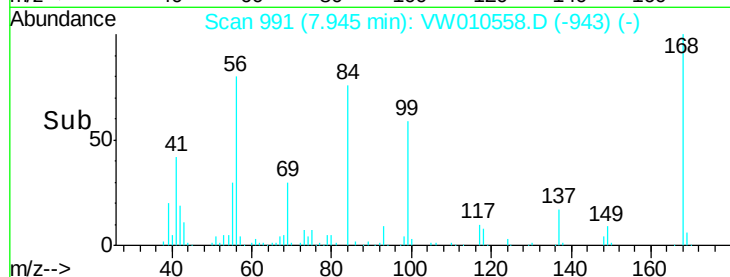
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 53.445 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010558.D

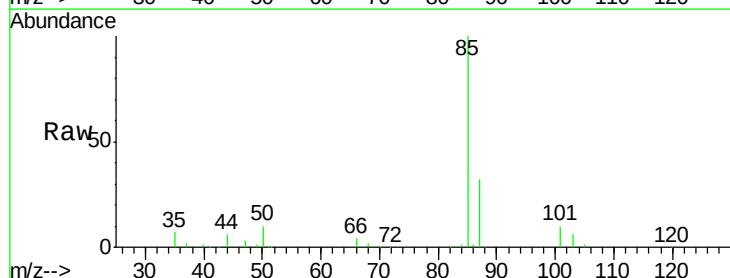
Acq: 24 May 2019 19:37

Tgt Ion: 85 Resp: 62217

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

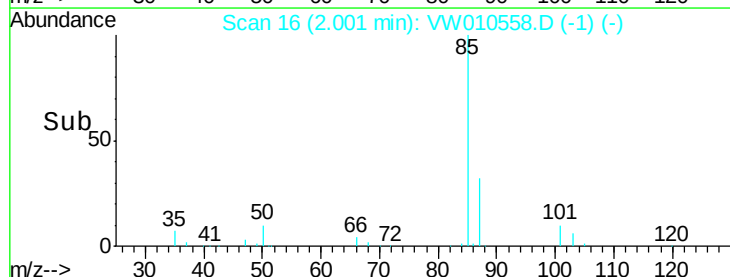
20000

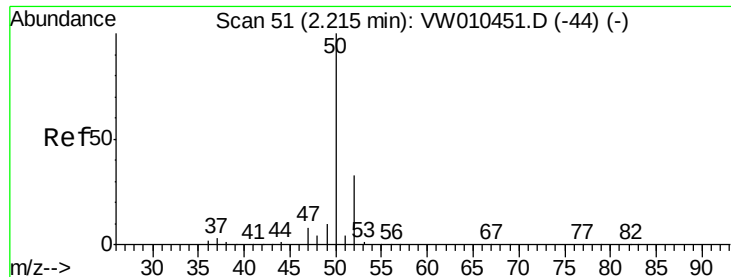
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.789 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 67008

Ion Ratio Lower Upper

50 100

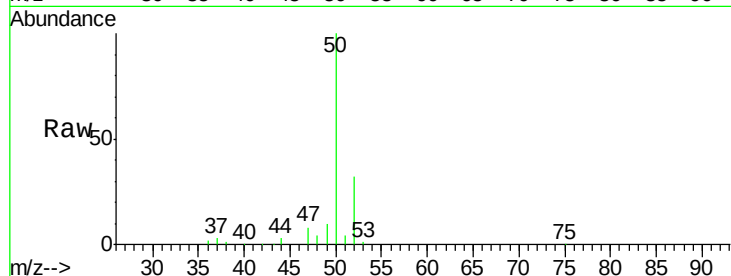
52 32.1 26.3 39.5

Manual Integrations

APPROVED

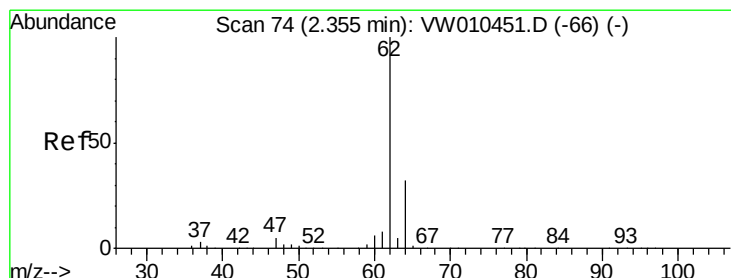
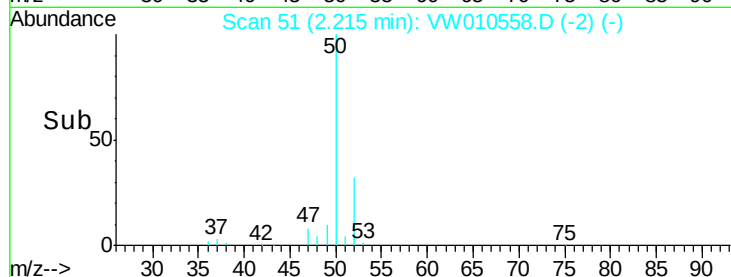
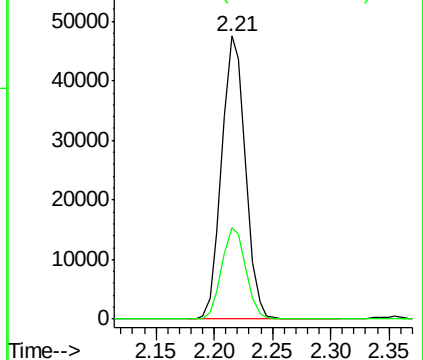
MMDadoda

5/28/2019 12:01:28 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.369 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010558.D

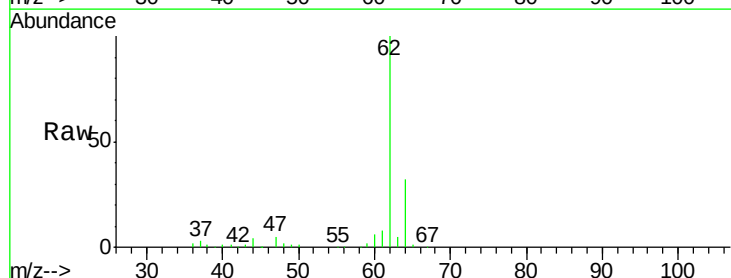
Acq: 24 May 2019 19:37

Tgt Ion: 62 Resp: 73767

Ion Ratio Lower Upper

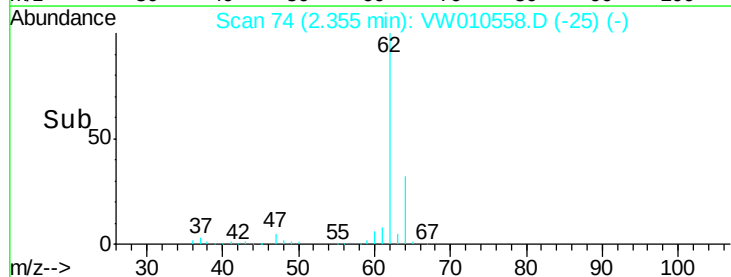
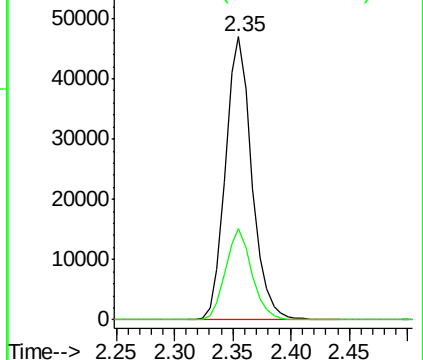
62 100

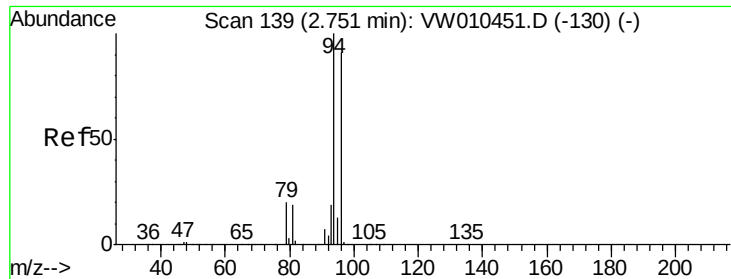
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.983 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53609

Ion Ratio Lower Upper

94 100

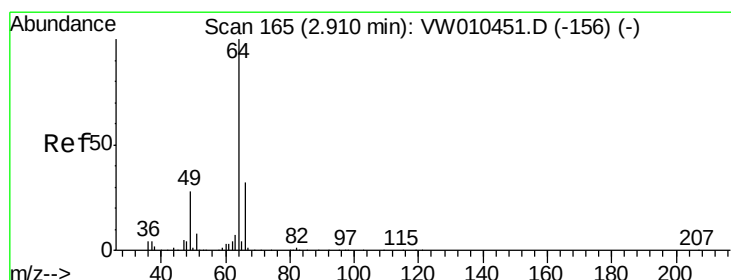
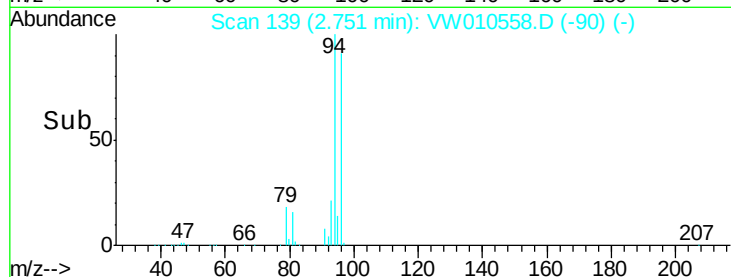
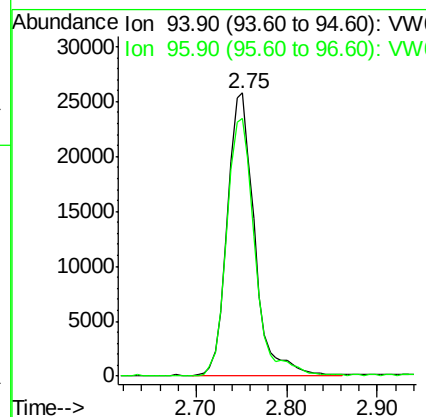
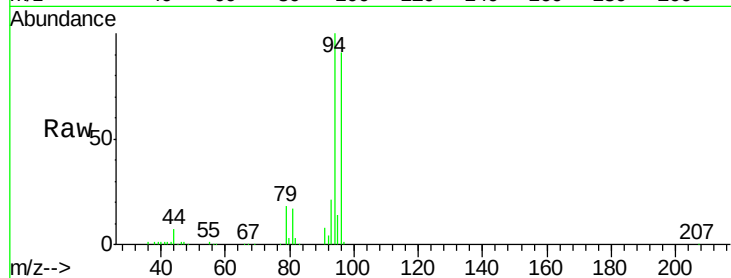
96 91.3 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



#6

Chloroethane

Concen: 50.729 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010558.D

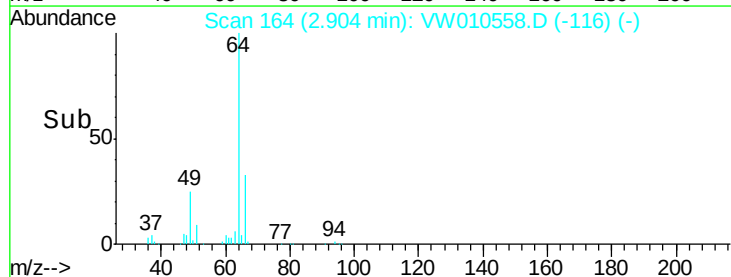
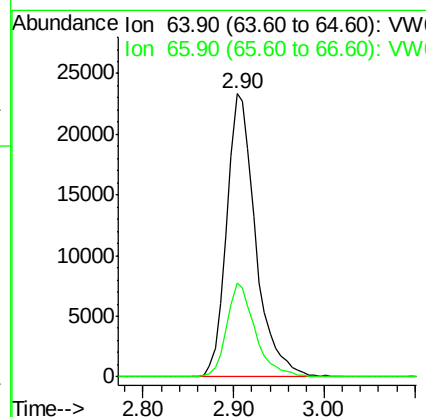
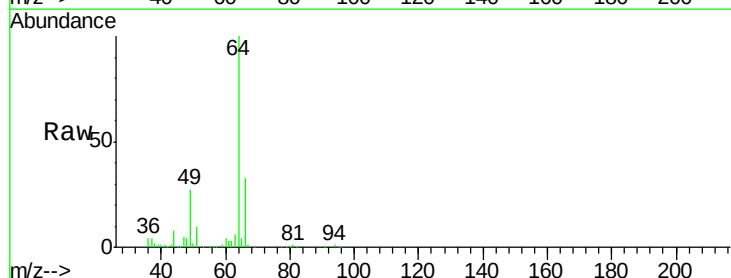
Acq: 24 May 2019 19:37

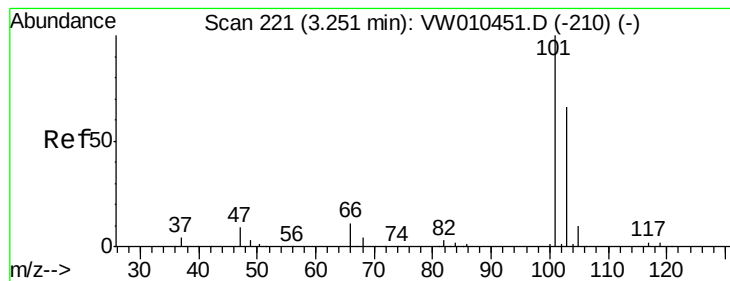
Tgt Ion: 64 Resp: 51807

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3





#7

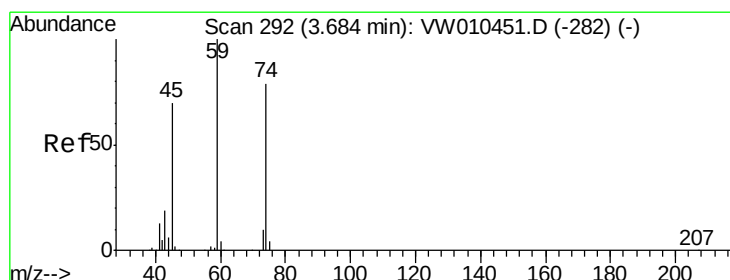
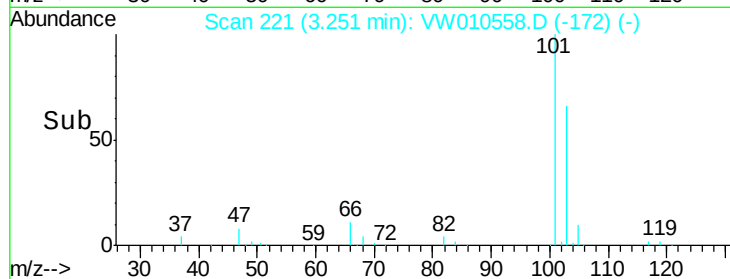
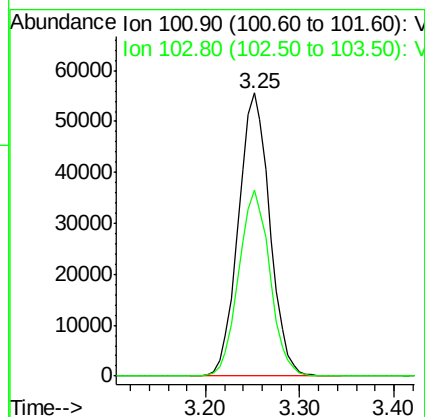
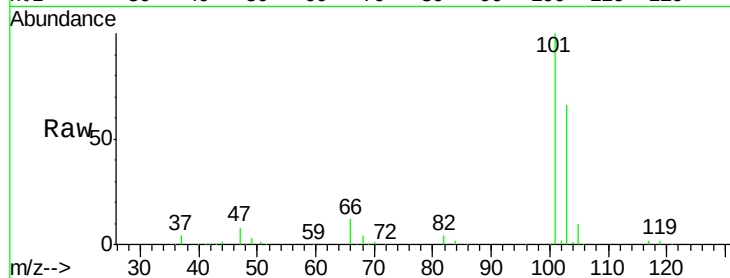
Trichlorofluoromethane
 Concen: 55.014 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	129212		
103	66.0	53.0	79.4	

Manual Integrations
 APPROVED

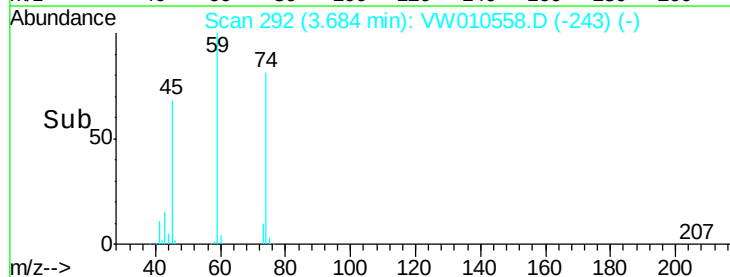
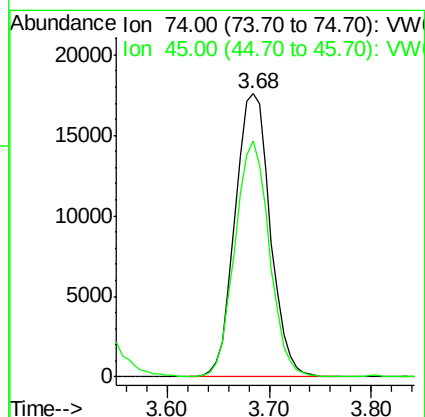
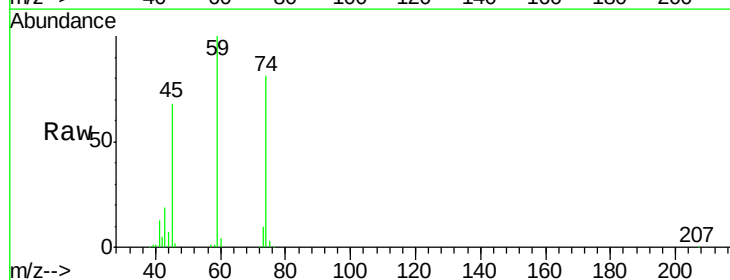
MMDadoda
 5/28/2019 12:01:28 PM

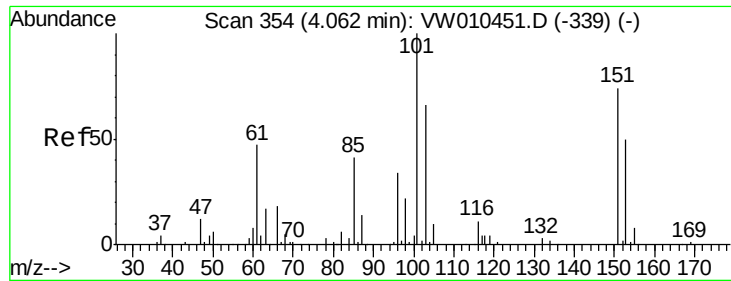


#8

Diethyl Ether
 Concen: 56.546 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42100		
45	81.5	42.9	128.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.566 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

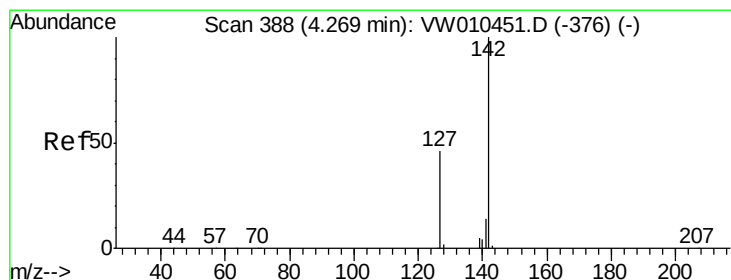
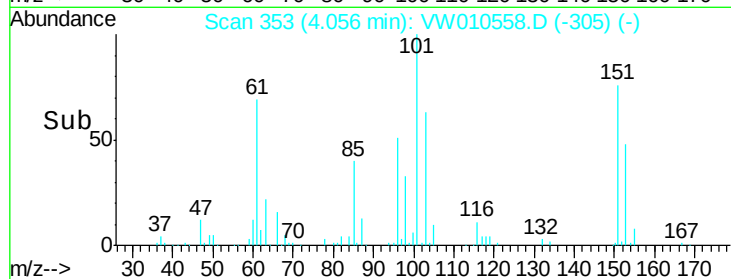
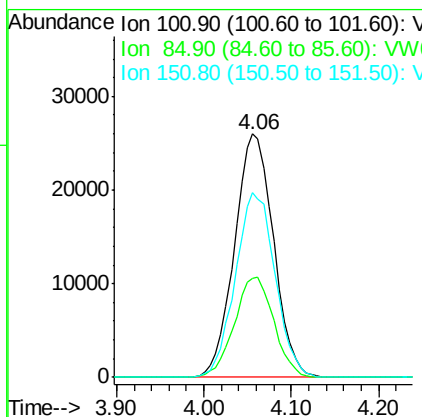
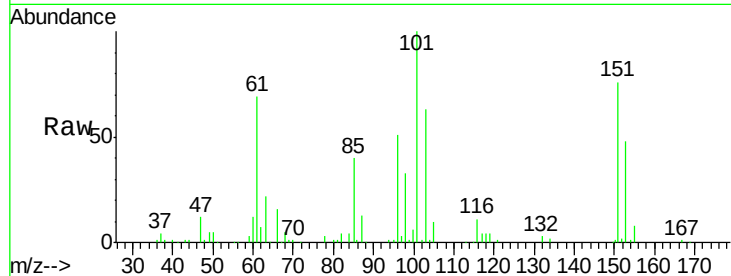
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	80372
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.3	51.5
151	77.6	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#10

Methyl Iodide

Concen: 53.607 ug/l

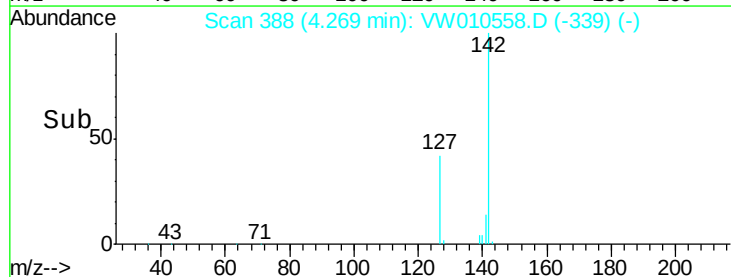
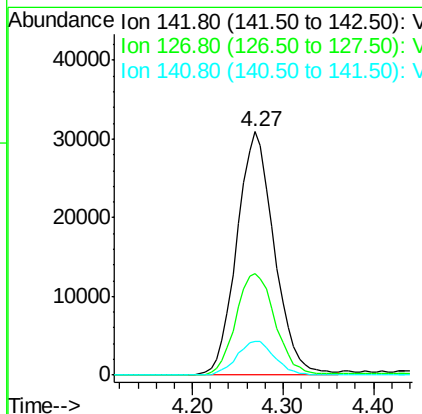
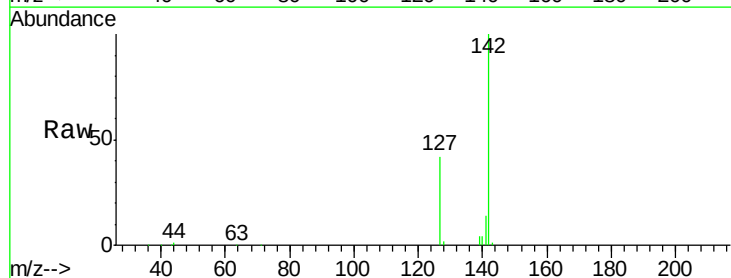
RT: 4.27 min Scan# 388

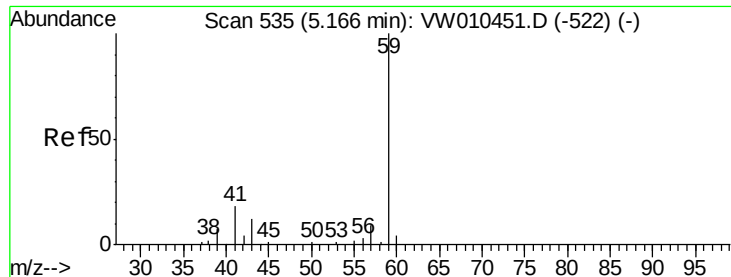
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	142	Resp:	88627
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.1	54.1
141	14.3	11.3	16.9





#11

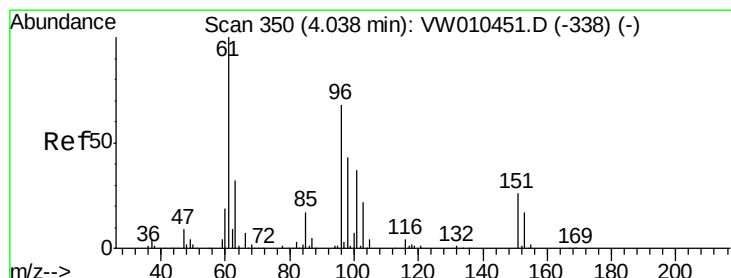
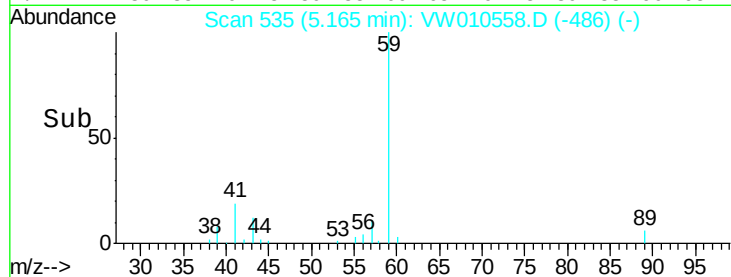
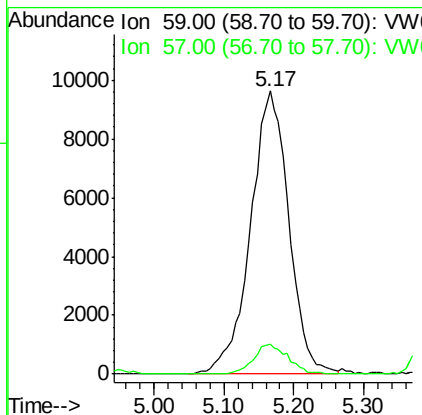
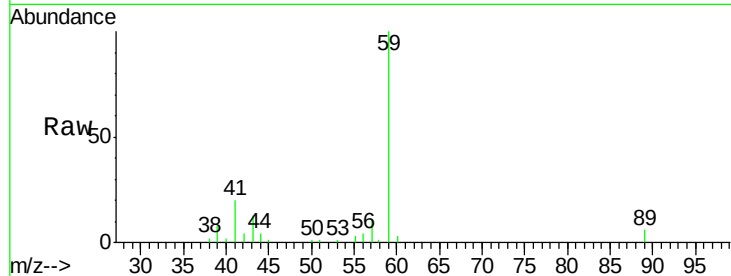
Tert butyl alcohol
 Concen: 302.225 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.8	13.2

Manual Integrations
 APPROVED

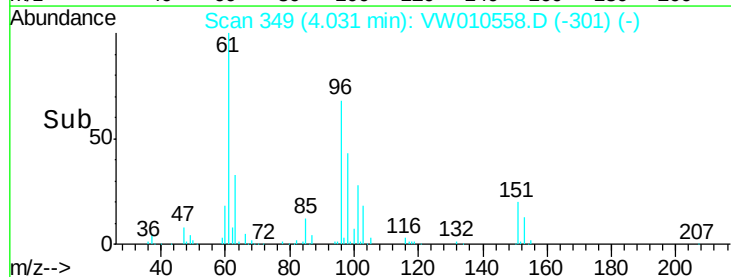
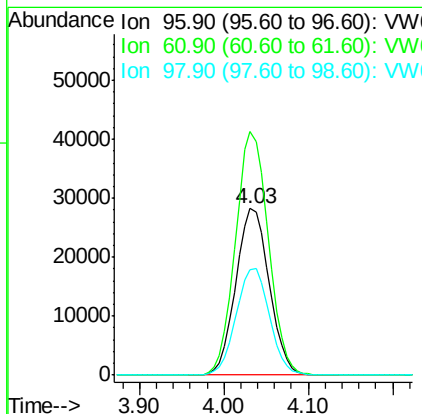
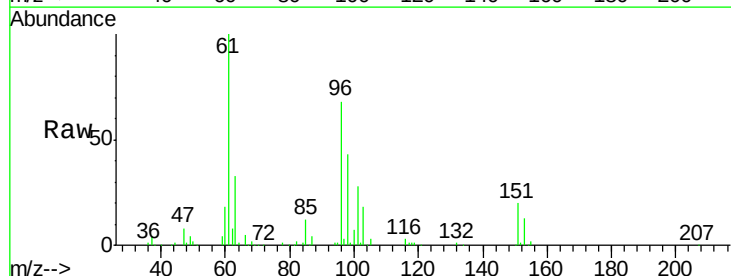
MMDadoda
 5/28/2019 12:01:28 PM

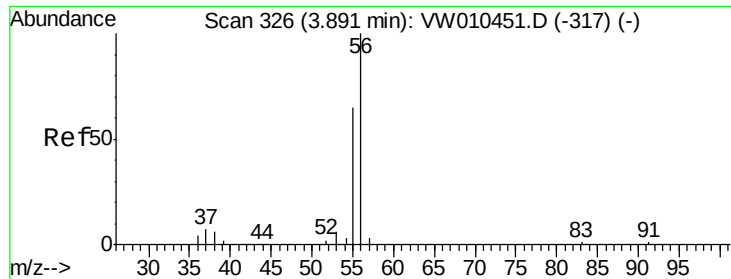


#12

1,1-Dichloroethene
 Concen: 54.958 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.1	118.3	177.5
98	63.3	51.0	76.6





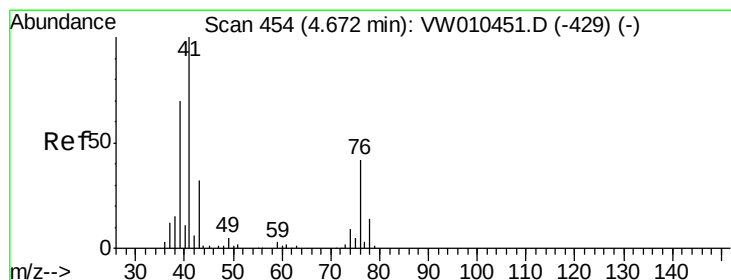
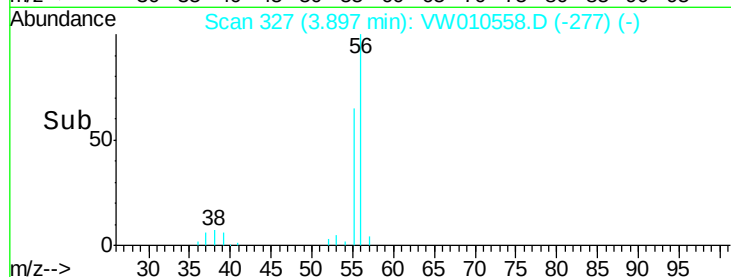
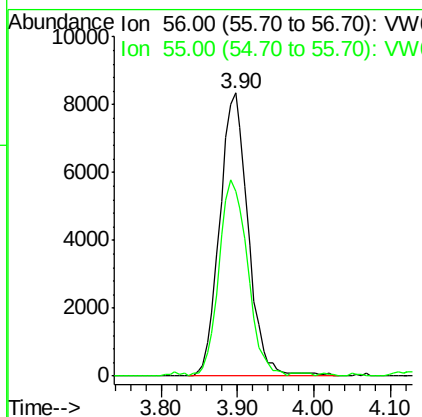
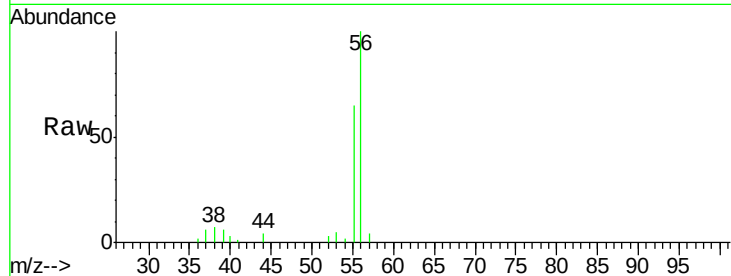
#13
 Acrolein
 Concen: 308.188 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.1	57.9	86.9	

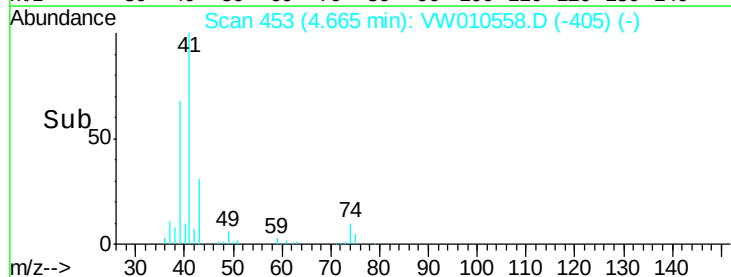
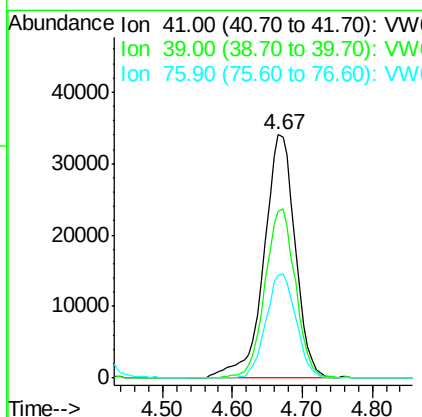
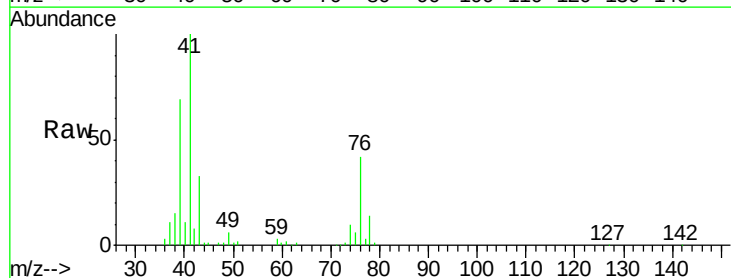
Manual Integrations
 APPROVED

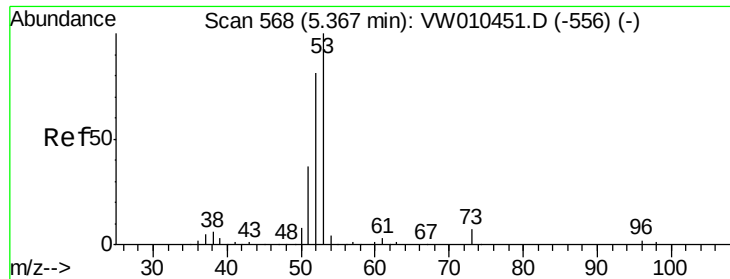
MMDadoda
 5/28/2019 12:01:28 PM



#14
 Allyl chloride
 Concen: 53.171 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.6	55.0	82.4	
76	41.2	32.8	49.2	





#15

Acrylonitrile

Concen: 272.101 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

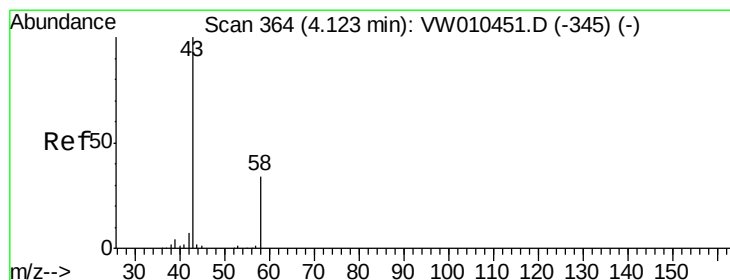
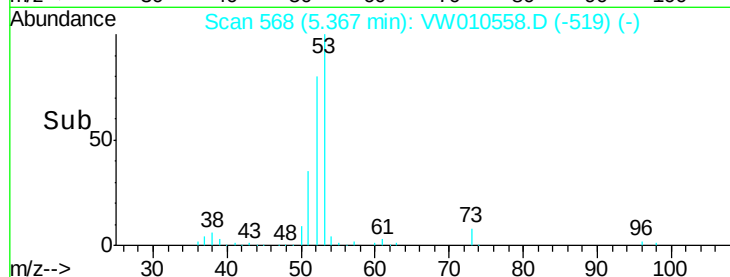
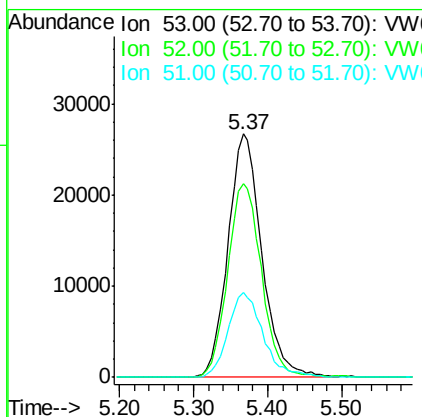
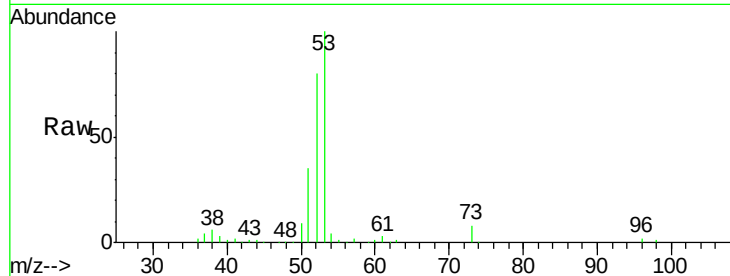
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	84843
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.6	98.4
51	36.1	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#16

Acetone

Concen: 252.670 ug/l

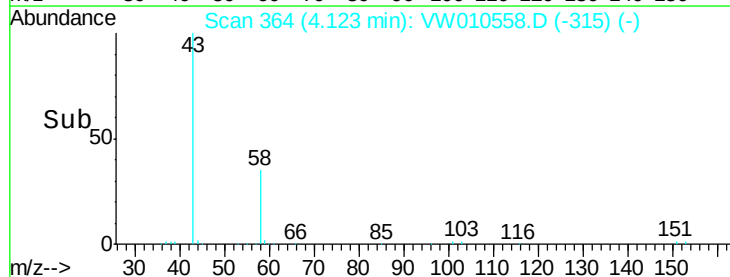
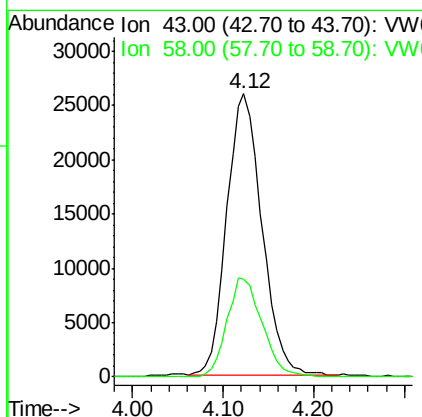
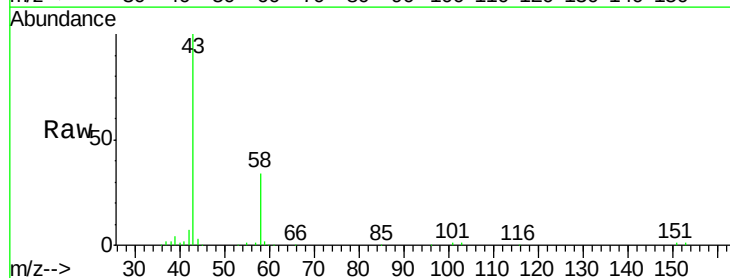
RT: 4.12 min Scan# 364

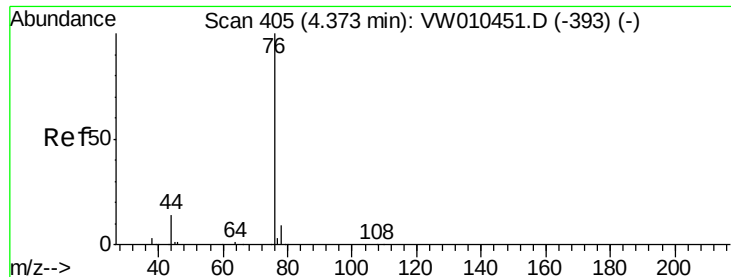
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	43	Resp:	69588
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.0	40.4





#17

Carbon Disulfide

Concen: 52.181 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 214902

Ion Ratio Lower Upper

76 100

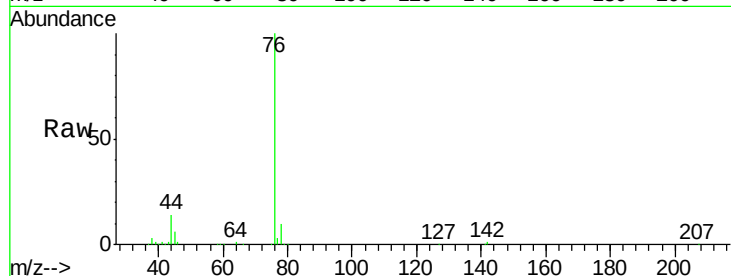
78 9.8 7.1 10.7

Manual Integrations

APPROVED

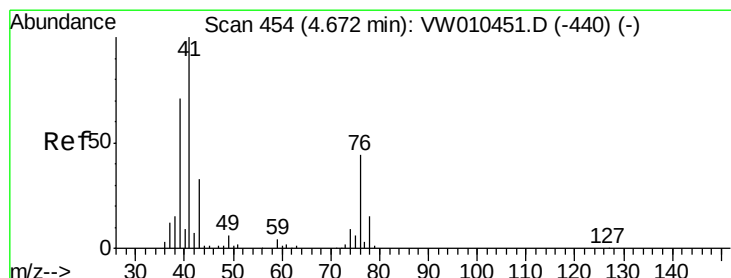
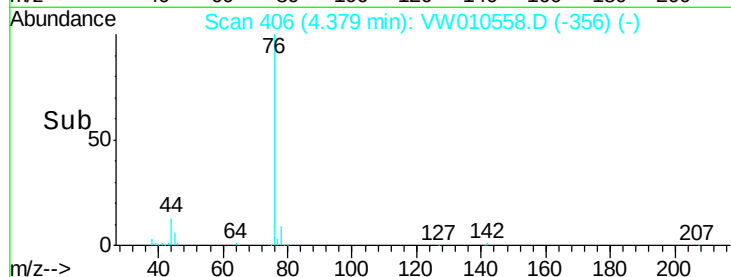
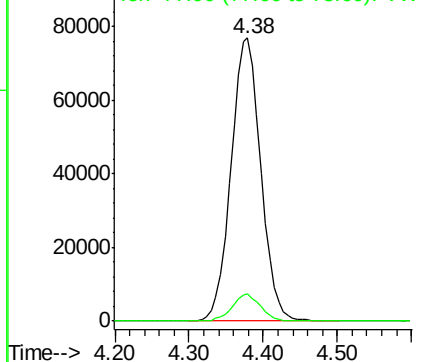
MMDadoda

5/28/2019 12:01:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 51.948 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010558.D

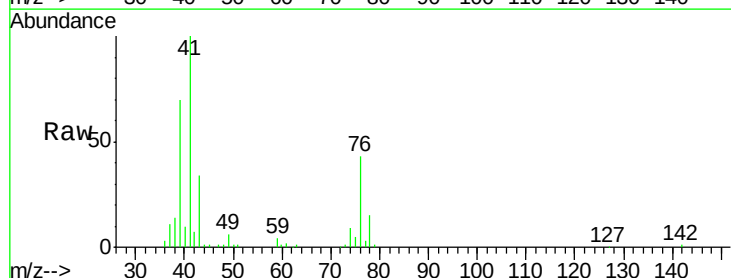
Acq: 24 May 2019 19:37

Tgt Ion: 43 Resp: 34991

Ion Ratio Lower Upper

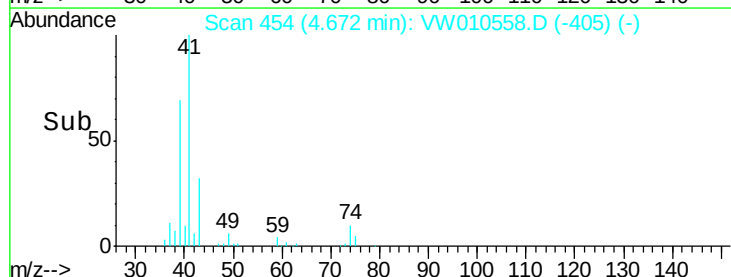
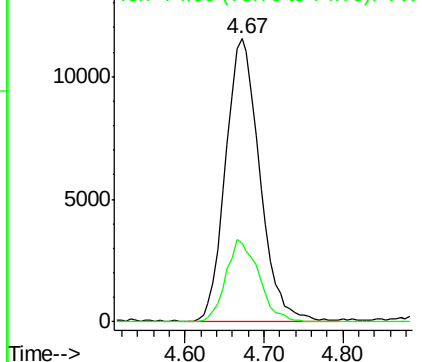
43 100

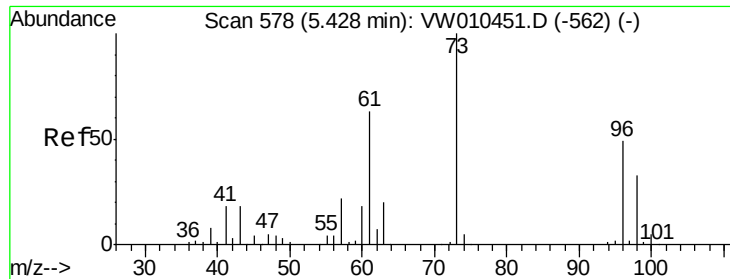
74 27.8 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





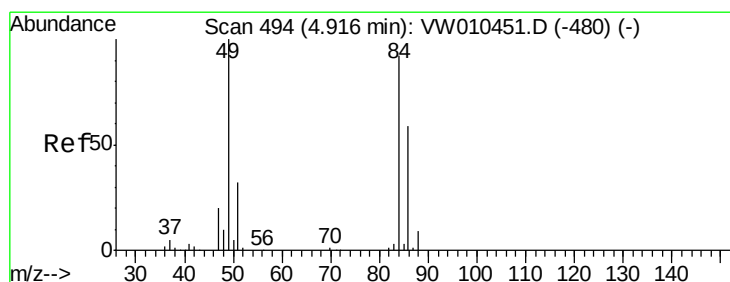
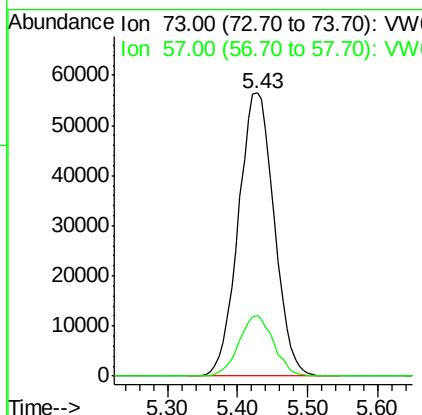
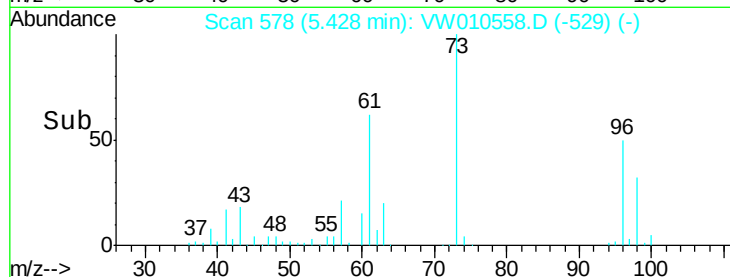
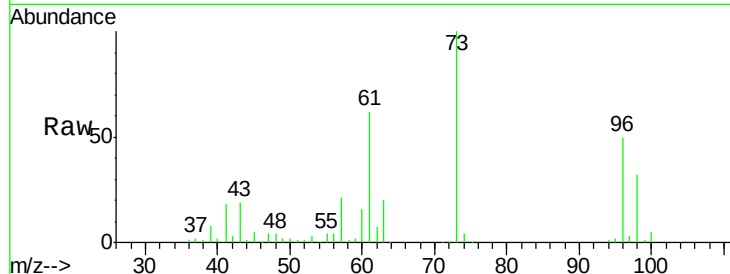
#19
Methyl tert-butyl Ether
Concen: 56.969 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 200529
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.0

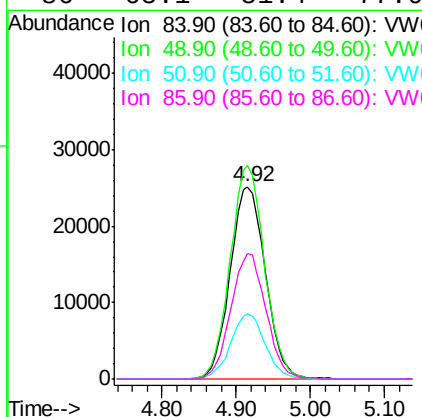
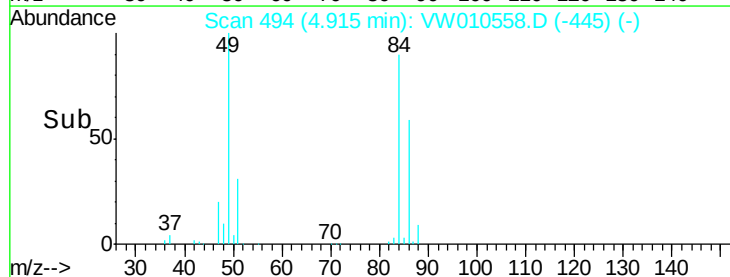
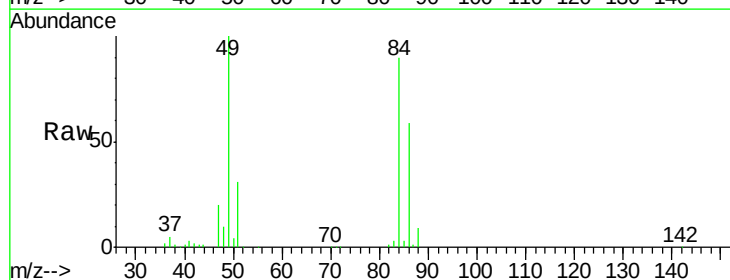
Manual Integrations
APPROVED

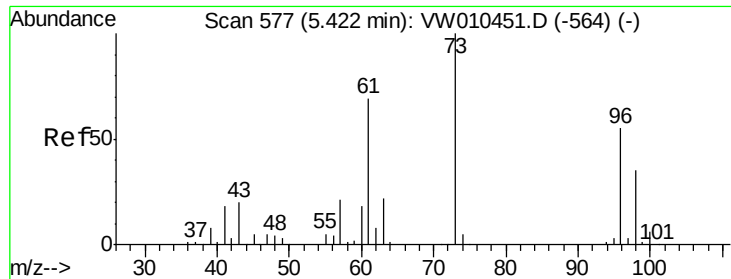
MMDadoda
5/28/2019 12:01:28 PM



#20
Methylene Chloride
Concen: 51.939 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion: 84 Resp: 83614
Ion Ratio Lower Upper
84 100
49 111.0 87.2 130.8
51 33.9 27.7 41.5
86 65.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 56.137 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

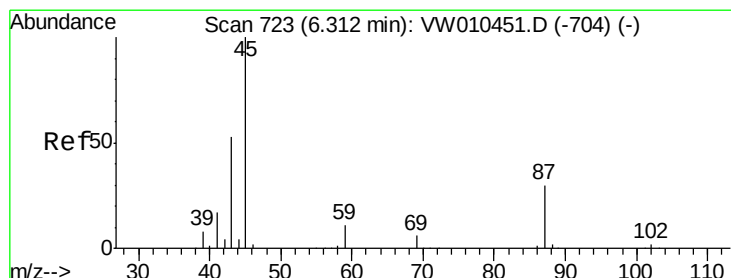
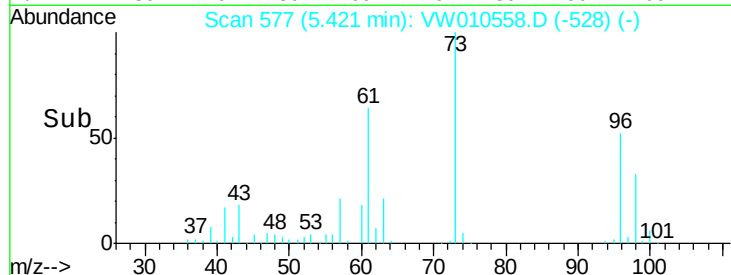
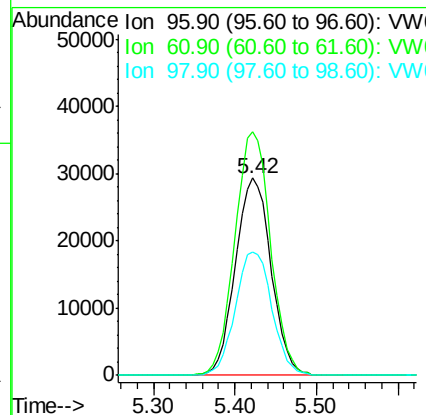
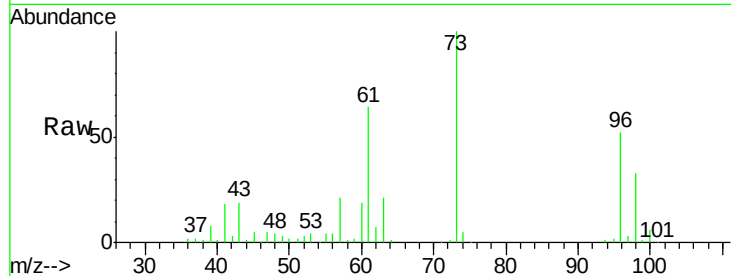
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	88907
Ion	Ratio	Lower	Upper
96	100		
61	123.5	101.4	152.0
98	62.7	50.6	76.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#22

Diisopropyl ether

Concen: 54.525 ug/l

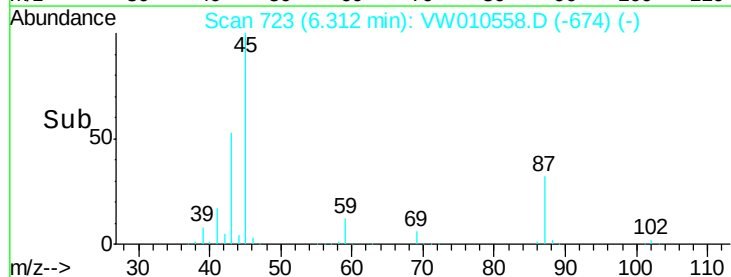
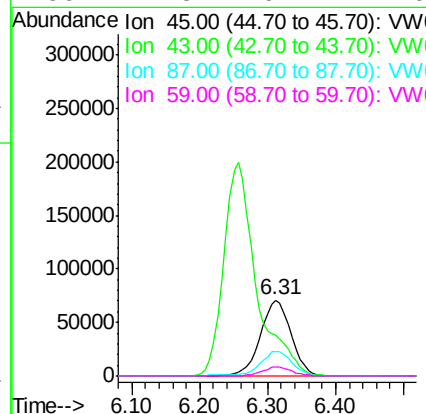
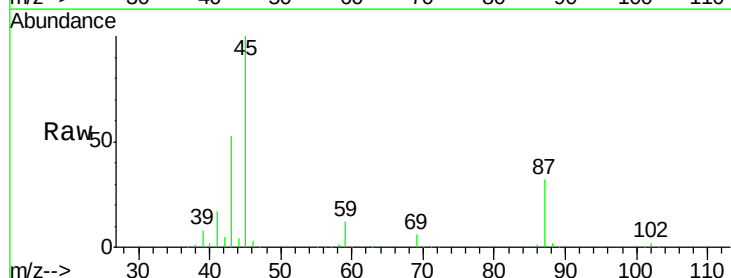
RT: 6.31 min Scan# 723

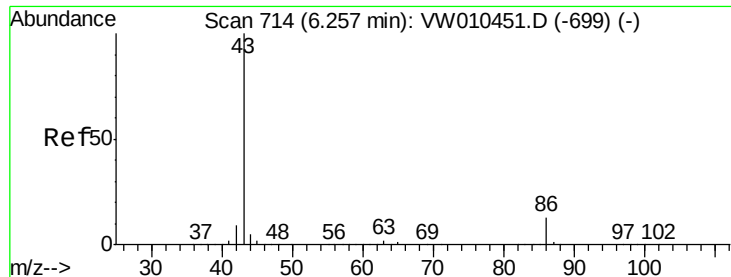
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	45	Resp:	223450
Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.9	64.3
87	31.7	24.6	36.8
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 270.825 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 662969

Ion Ratio Lower Upper

43 100

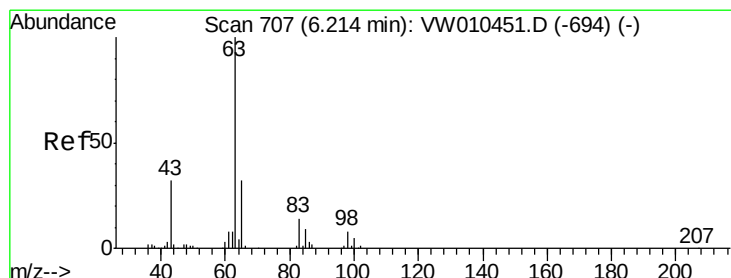
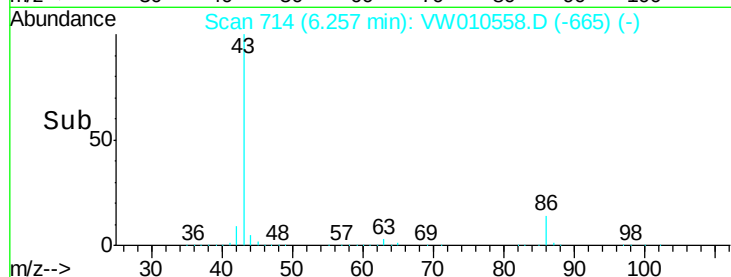
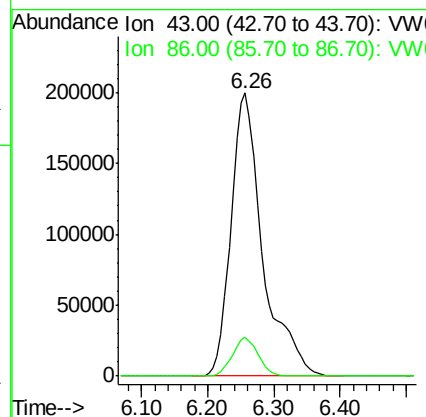
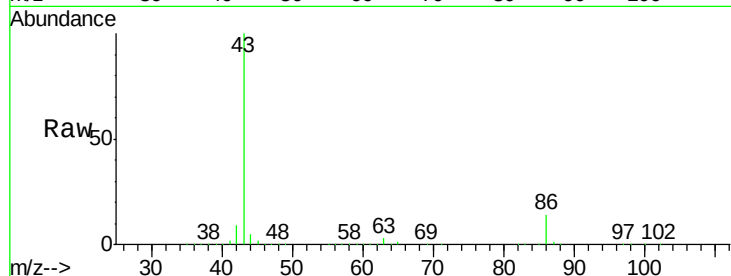
86 13.8 10.3 15.5

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



#24

1,1-Dichloroethane

Concen: 56.309 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

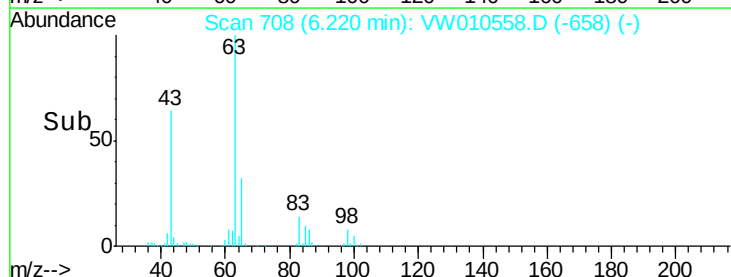
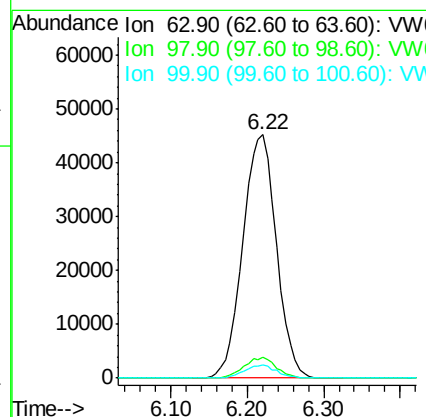
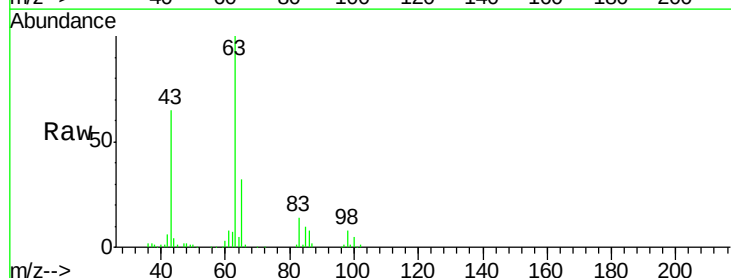
Tgt Ion: 63 Resp: 137707

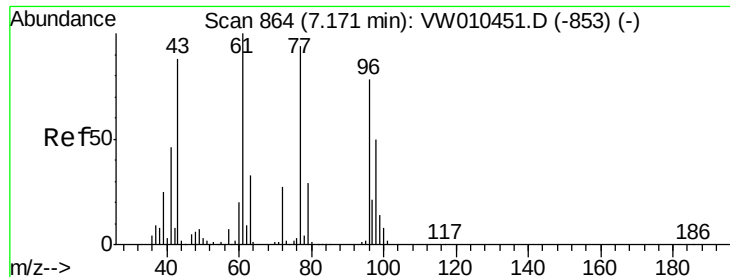
Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 274.044 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 108011

Ion Ratio Lower Upper

43 100

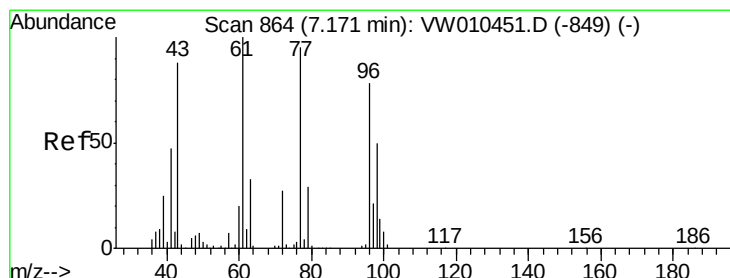
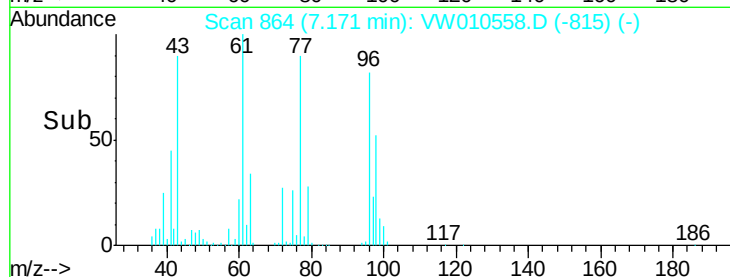
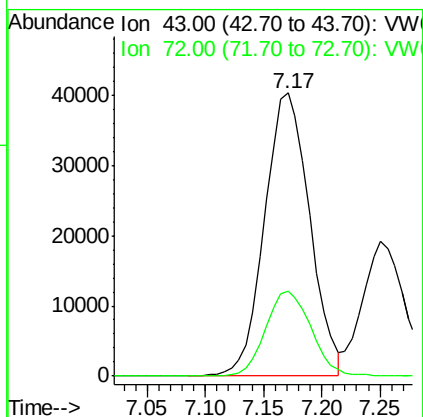
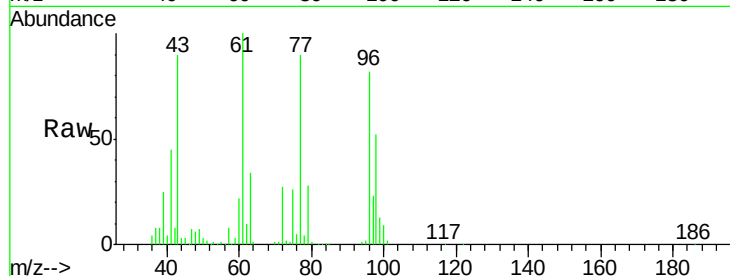
72 30.2 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



#26

2,2-Dichloropropane

Concen: 54.243 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010558.D

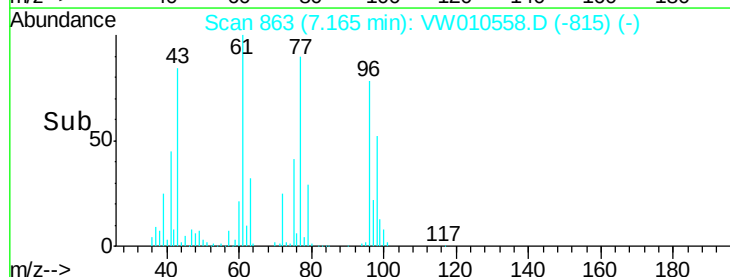
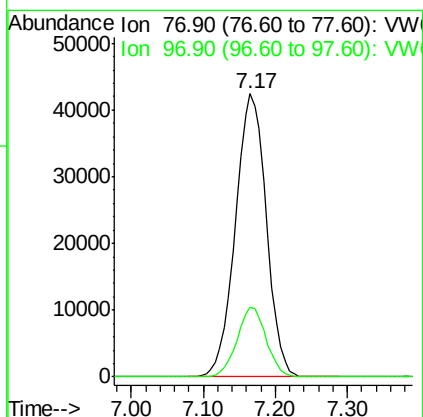
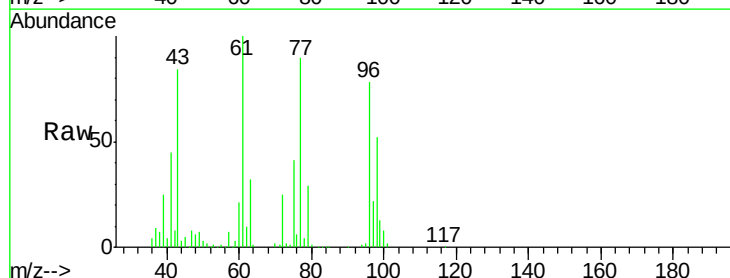
Acq: 24 May 2019 19:37

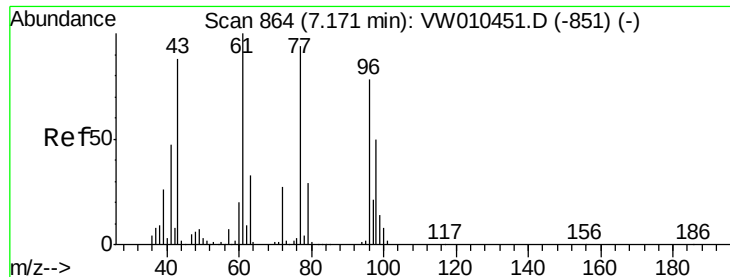
Tgt Ion: 77 Resp: 126361

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

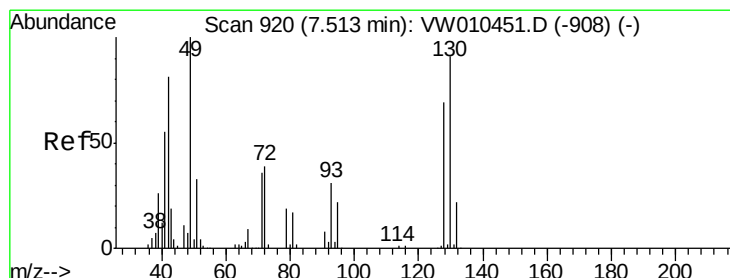
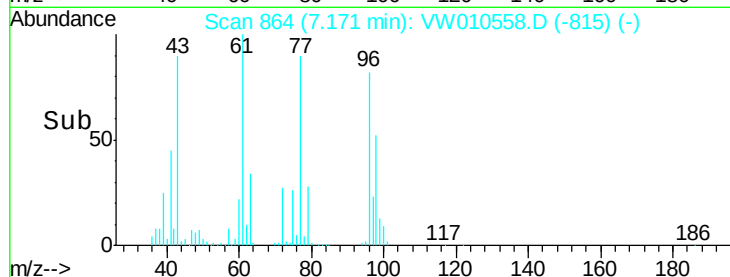
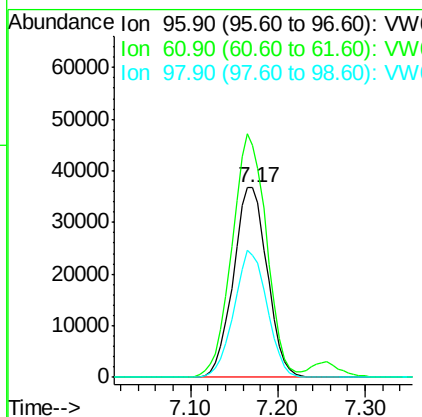
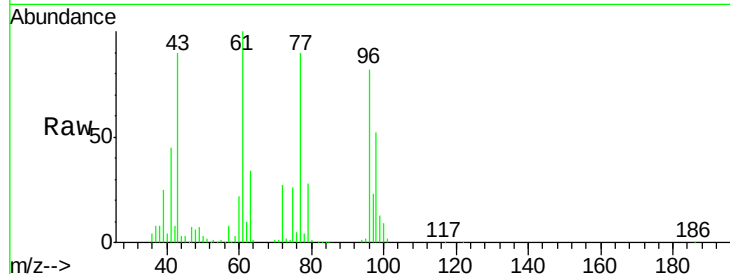
cis-1,2-Dichloroethene
Concen: 57.541 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	265.4
98	65.3	0.0	129.4

Manual Integrations
APPROVED

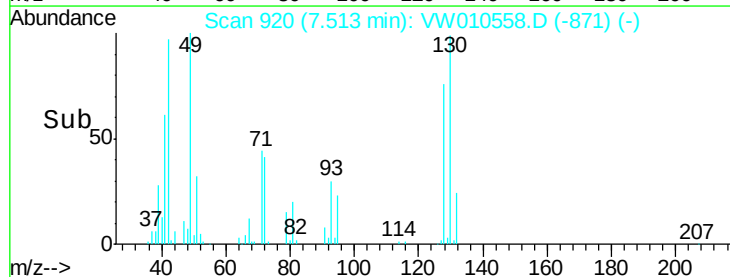
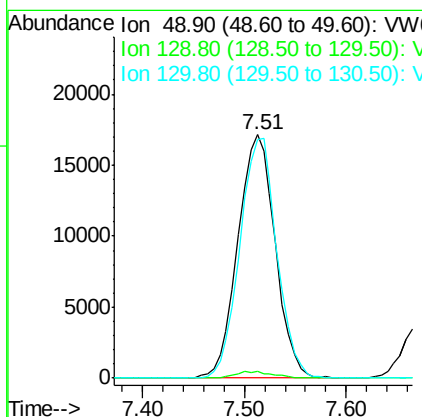
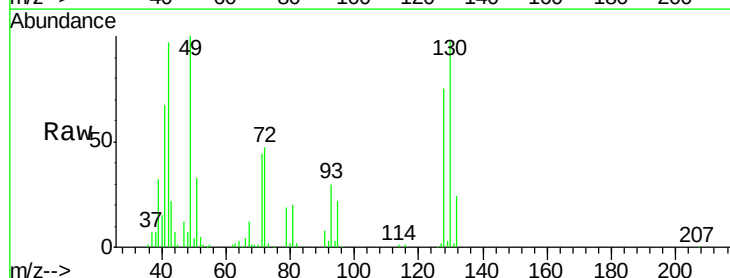
MMDadoda
5/28/2019 12:01:28 PM

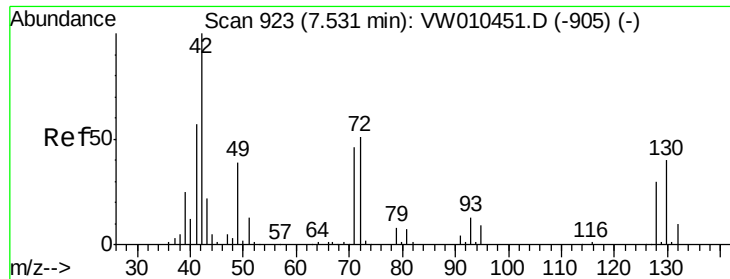


#28

Bromochloromethane
Concen: 49.634 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	97.8	71.2	106.8





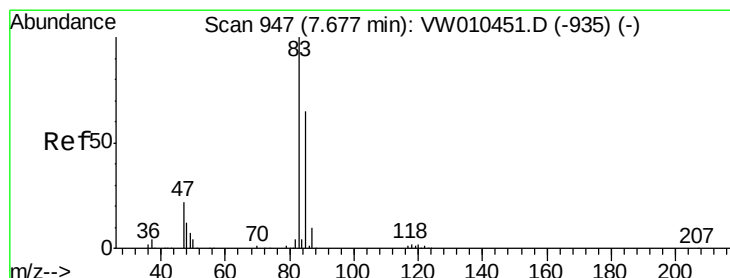
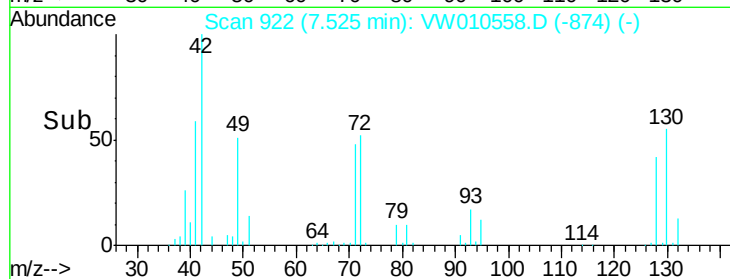
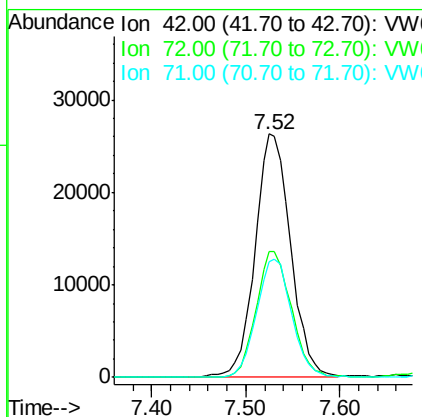
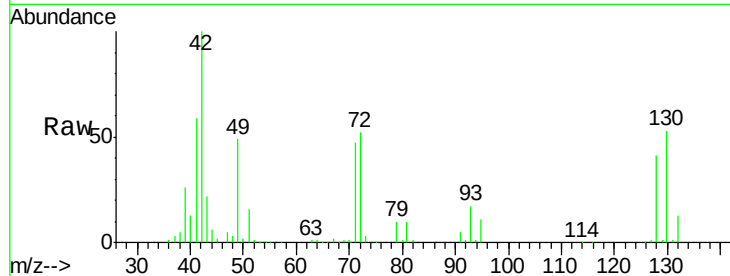
#29
Tetrahydrofuran
Concen: 260.698 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	38.5	57.7
71	48.3	36.5	54.7

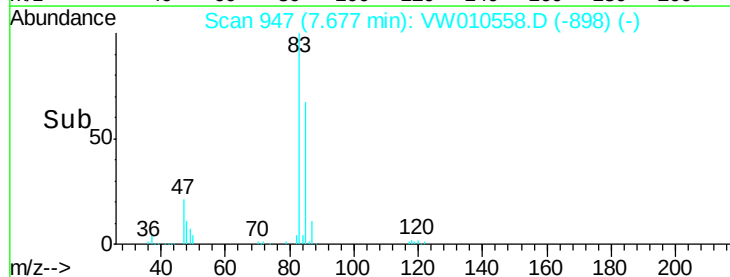
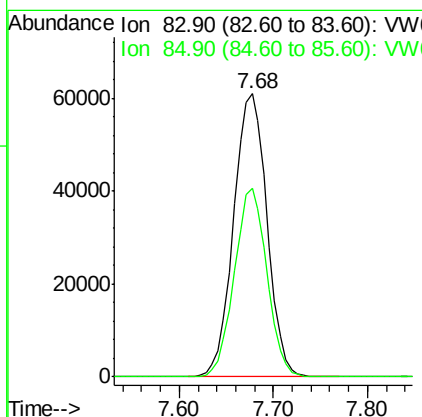
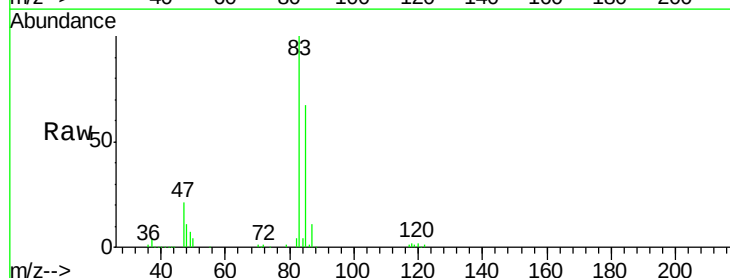
Manual Integrations
APPROVED

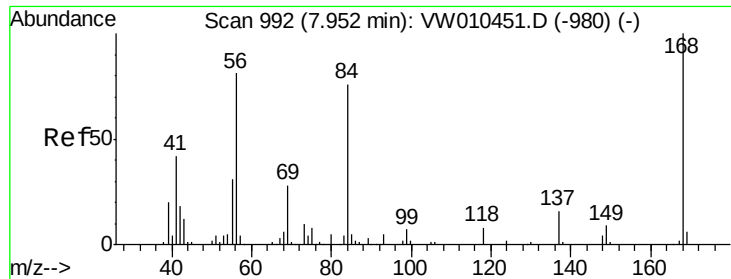
MMDadoda
5/28/2019 12:01:28 PM



#30
Chloroform
Concen: 57.026 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.2	78.4





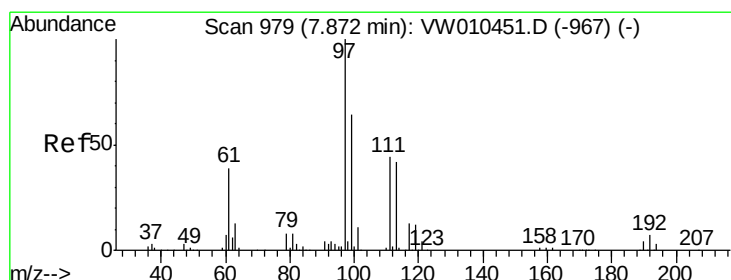
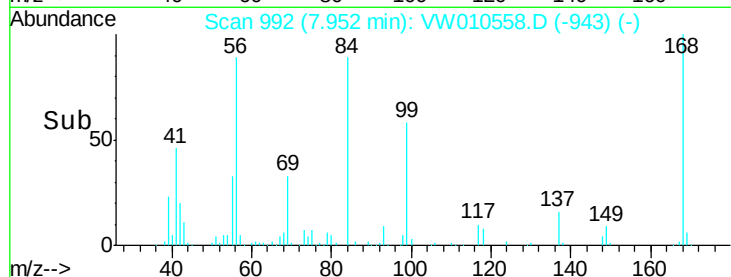
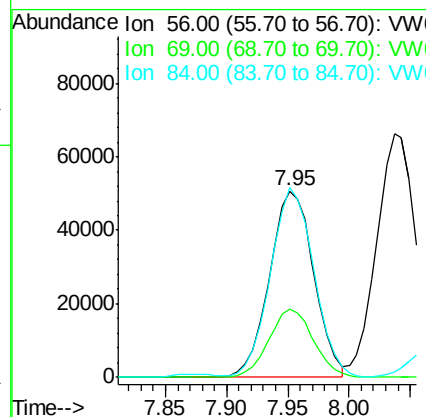
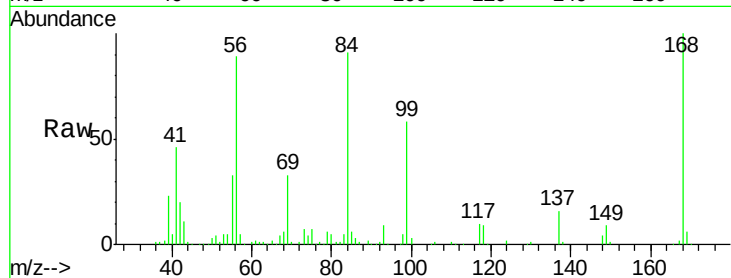
#31
Cyclohexane
Concen: 49.941 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	28.2	42.2
84	99.7	75.8	113.8

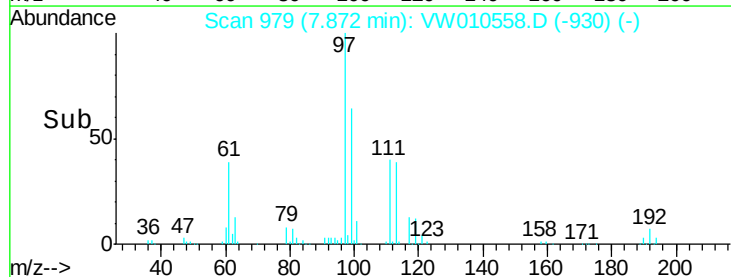
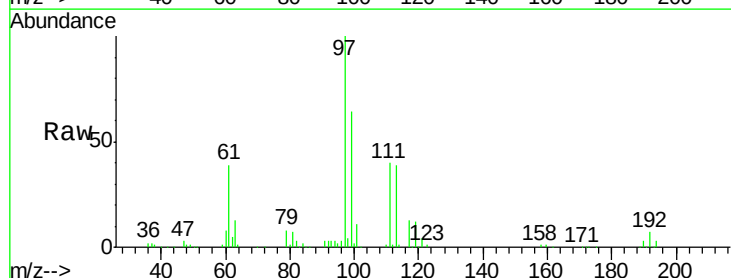
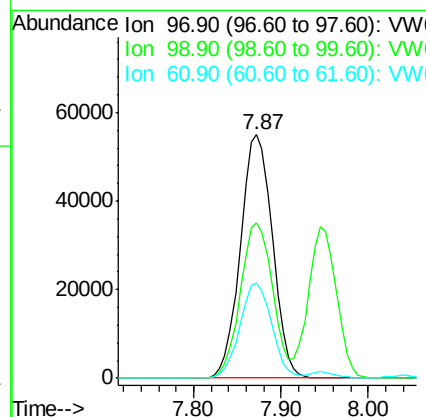
Manual Integrations
APPROVED

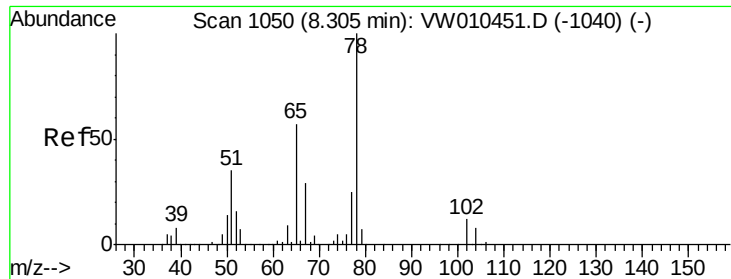
MMDadoda
5/28/2019 12:01:28 PM



#32
1,1,1-Trichloroethane
Concen: 55.680 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	38.7	32.1	48.1





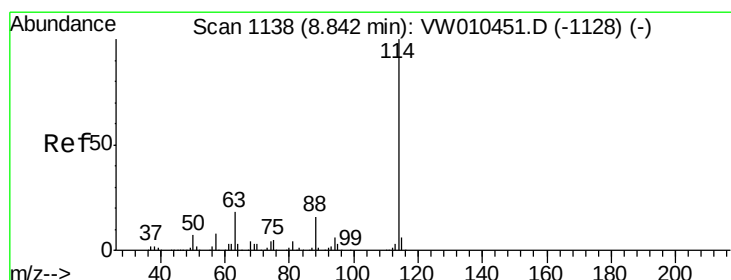
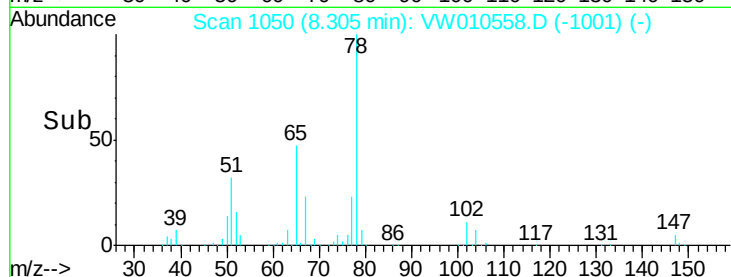
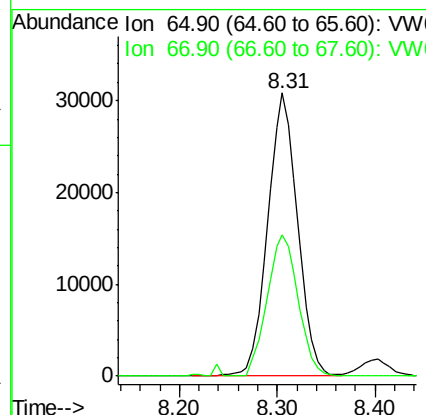
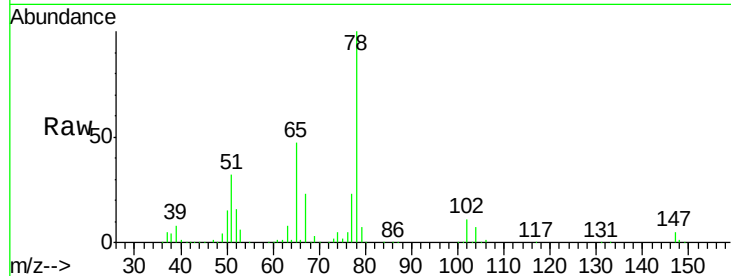
#33
 1,2-Dichloroethane-d4
 Concen: 48.907 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	65987		
67	51.6	0.0	103.6	

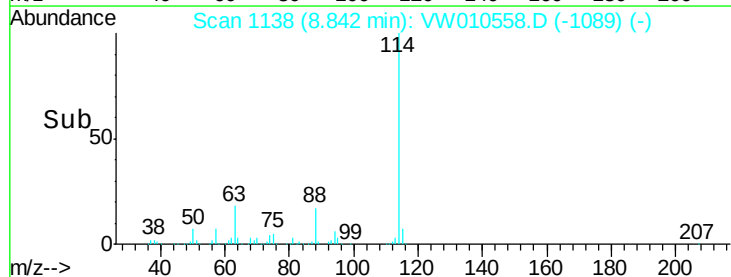
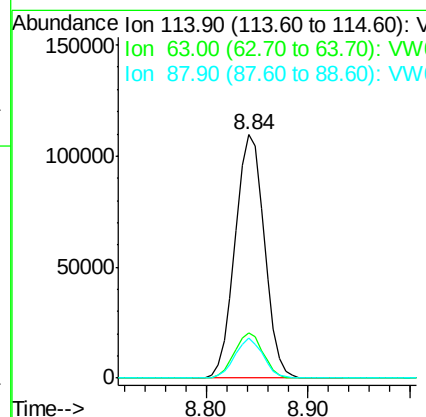
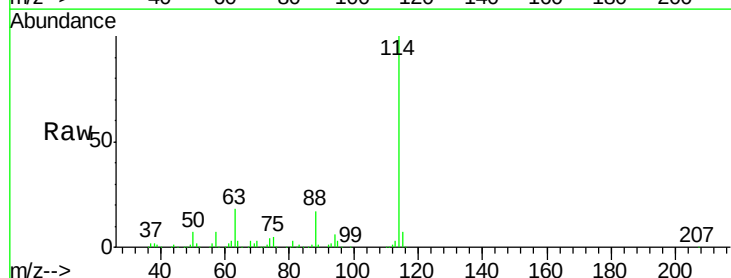
Manual Integrations
 APPROVED

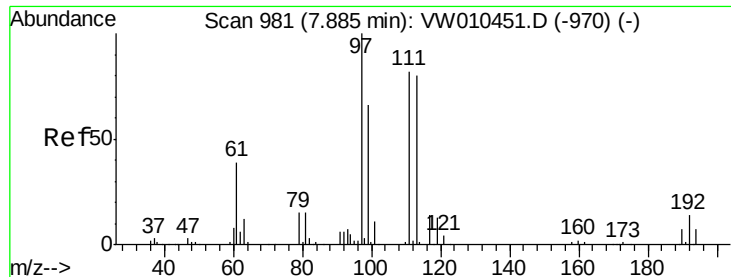
MMDadoda
 5/28/2019 12:01:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	217510		
63	18.4	0.0	36.0	
88	16.6	0.0	32.0	





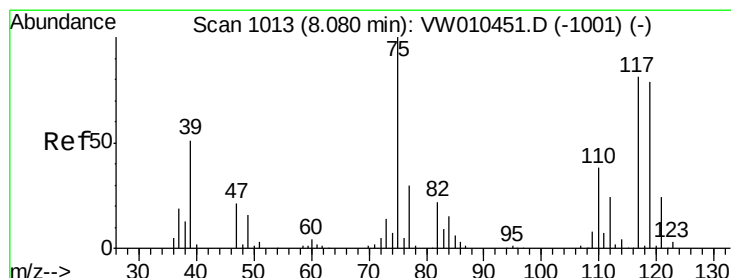
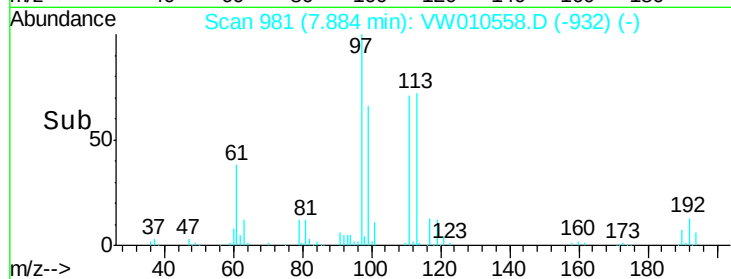
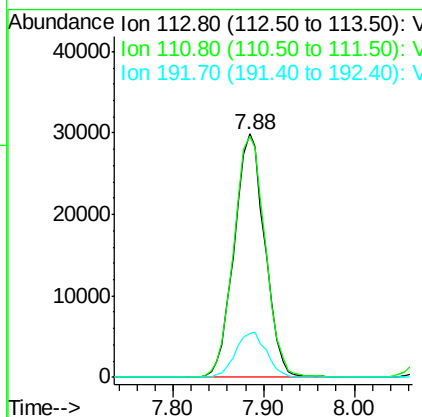
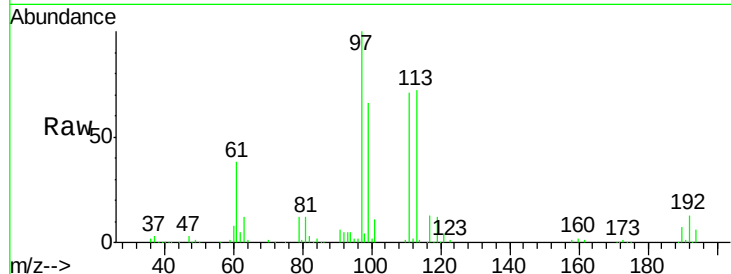
#35
 Dibromofluoromethane
 Concen: 53.016 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	69971		
111	102.1		82.2	123.4
192	18.7		14.3	21.5

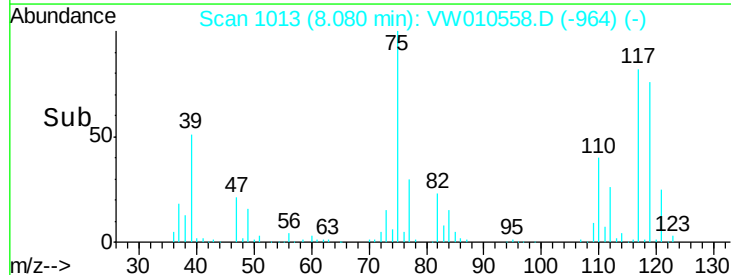
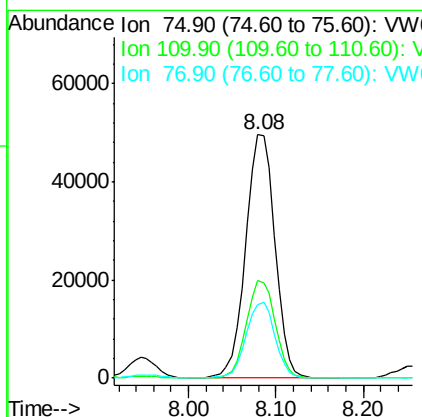
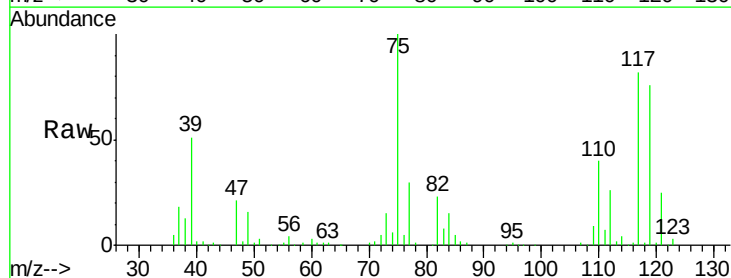
Manual Integrations
 APPROVED

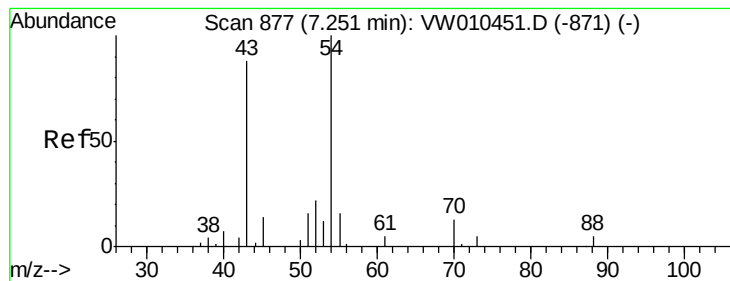
MMDadoda
 5/28/2019 12:01:28 PM



#36
 1,1-Dichloropropene
 Concen: 57.172 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115843		
110	39.3		19.2	57.6
77	30.8		25.2	37.8





#37

Ethyl Acetate

Concen: 57.247 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

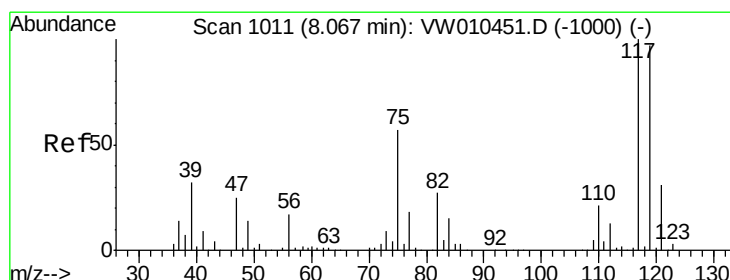
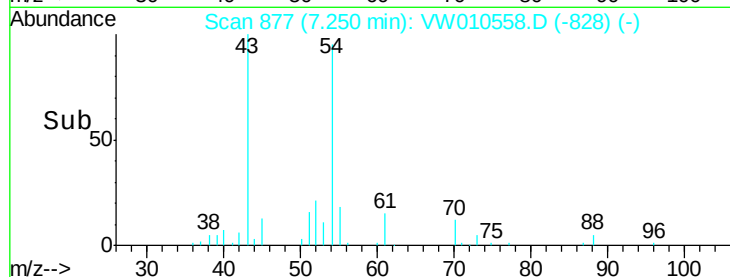
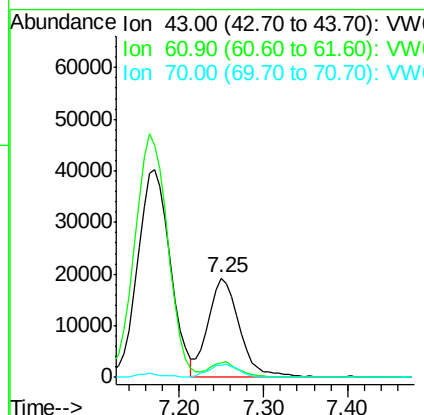
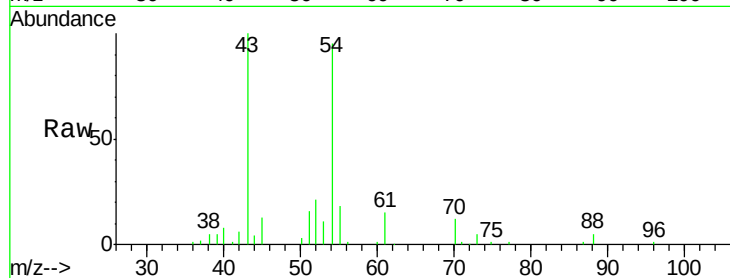
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	49326
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	13.1	9.9	14.9

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#38

Carbon Tetrachloride

Concen: 57.164 ug/l

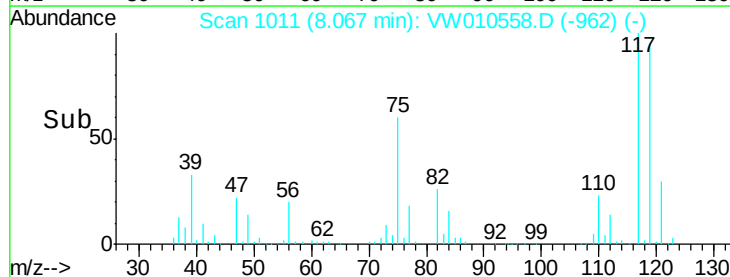
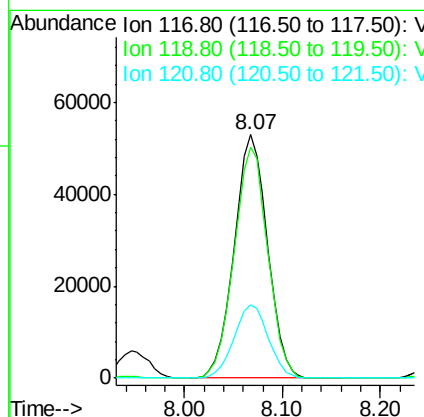
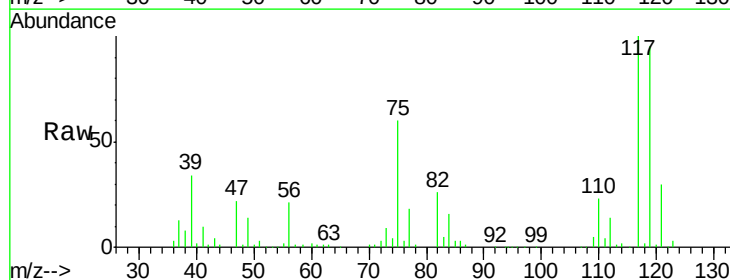
RT: 8.07 min Scan# 1011

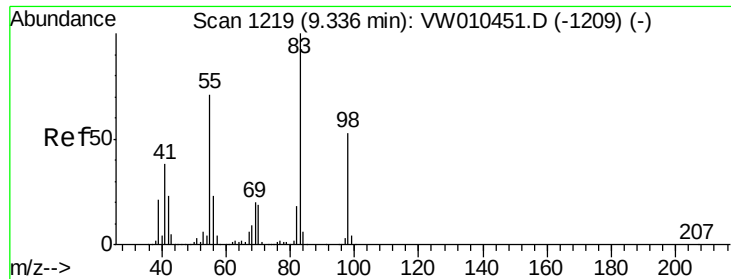
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	117	Resp:	124947
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.4	116.0
121	30.0	25.0	37.6





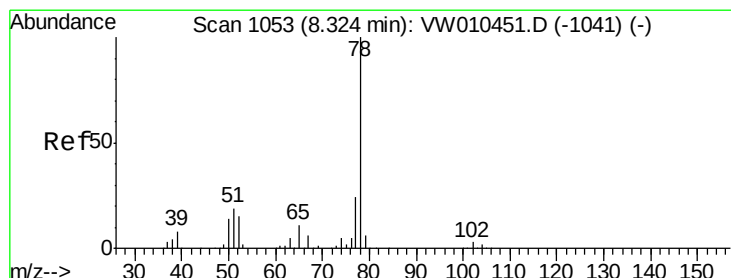
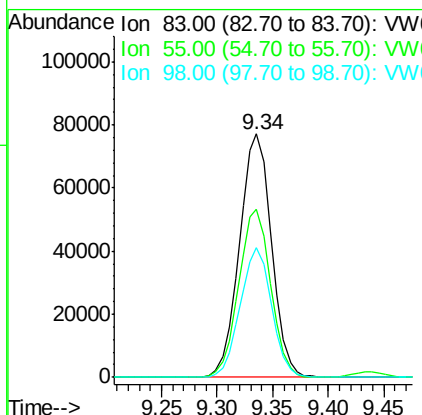
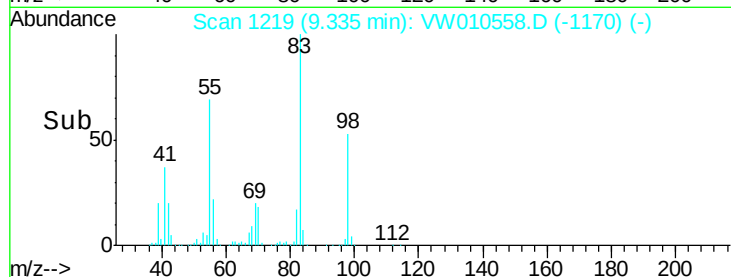
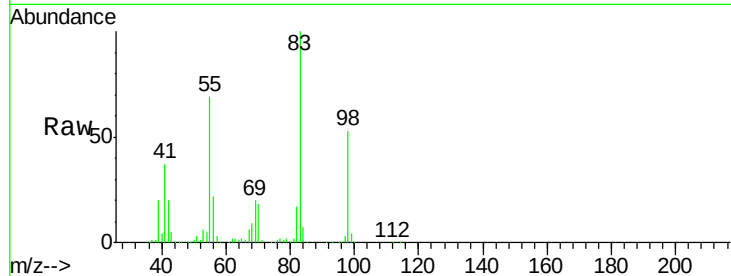
#39
Methylvlcyclohexane
Concen: 56.737 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	57.0	85.6
98	53.4	42.0	63.0

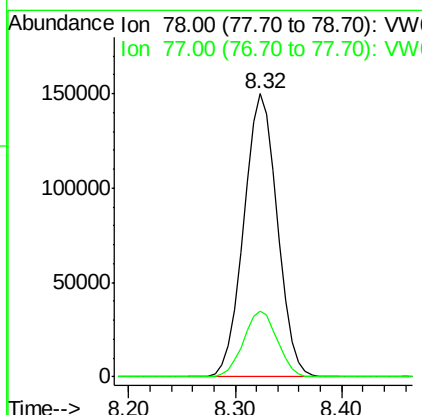
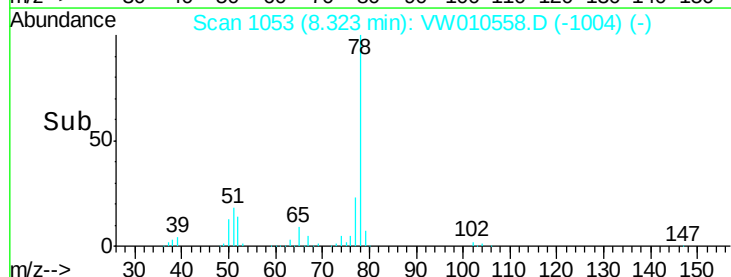
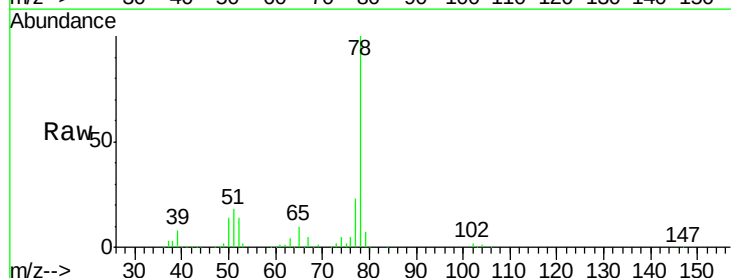
Manual Integrations
APPROVED

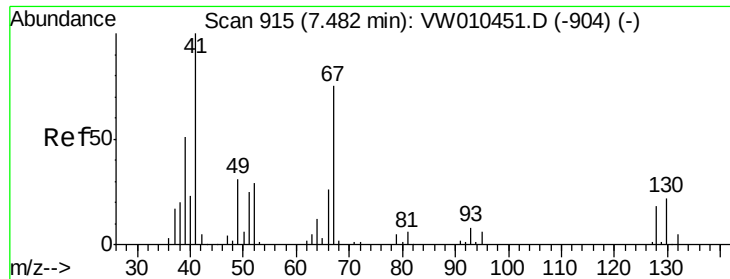
MMDadoda
5/28/2019 12:01:28 PM



#40
Benzene
Concen: 58.834 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





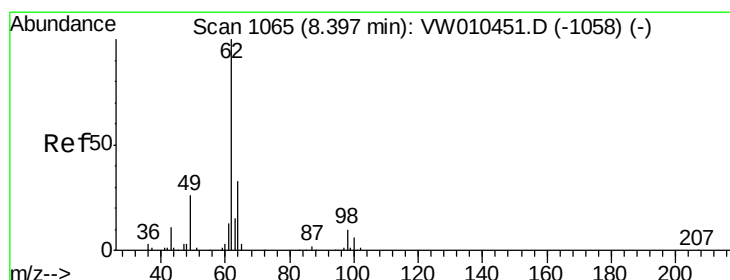
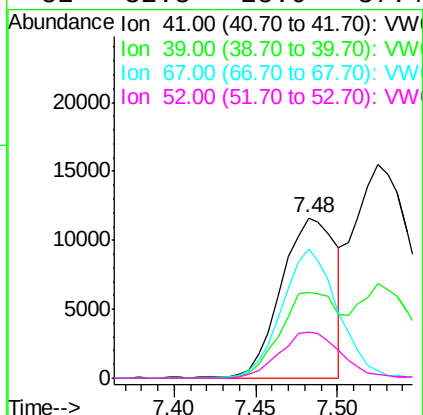
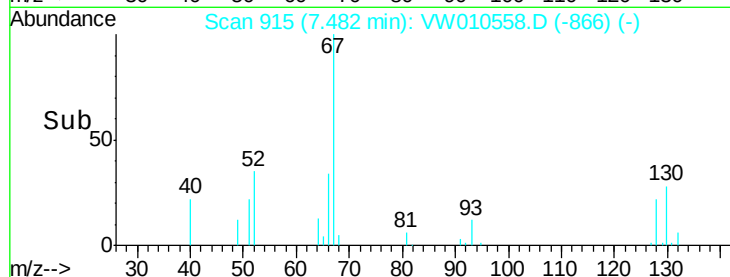
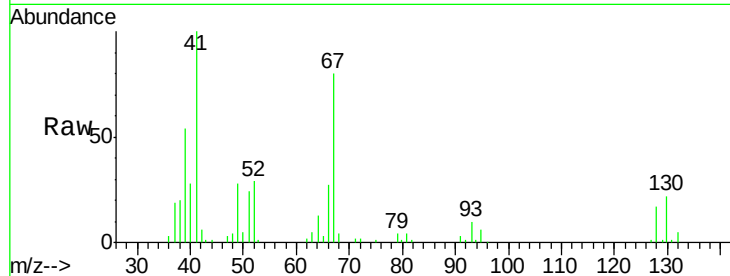
#41
Methacrylonitrile
Concen: 52.927 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	27097
Ion Ratio	Lower	Upper	
41	100		
39	60.5	47.4	71.2
67	82.9	65.5	98.3
52	32.3	25.0	37.4

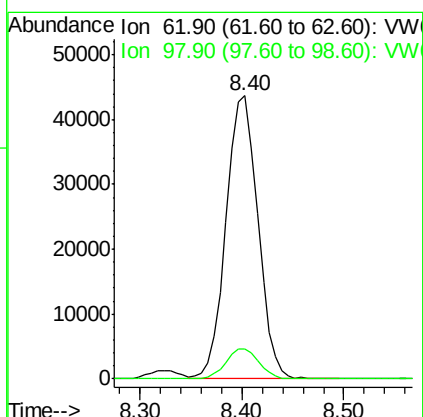
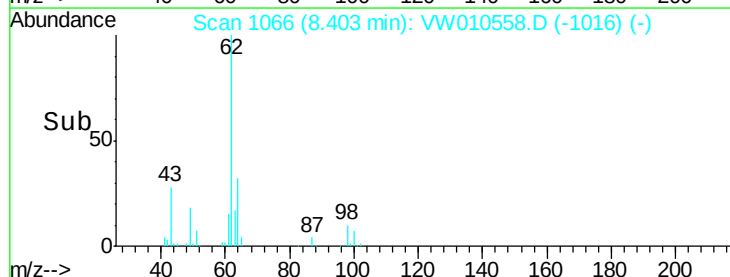
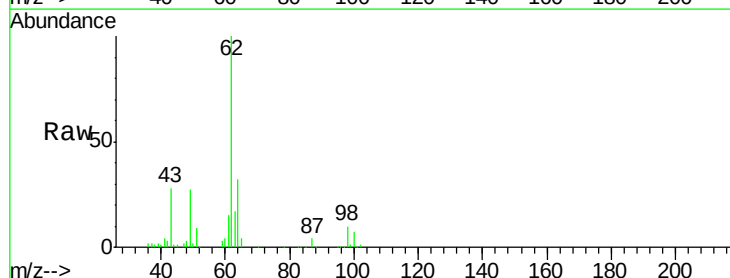
Manual Integrations
APPROVED

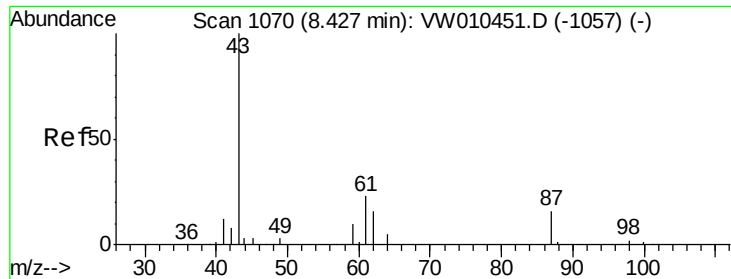
MMDadoda
5/28/2019 12:01:28 PM



#42
1,2-Dichloroethane
Concen: 58.794 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	62	Resp	94636
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 55.671 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

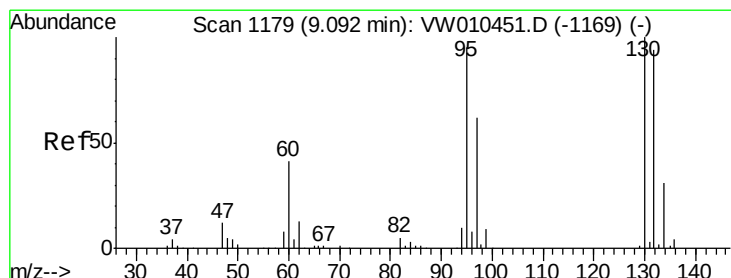
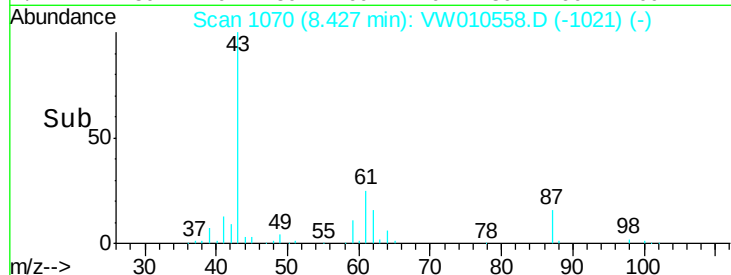
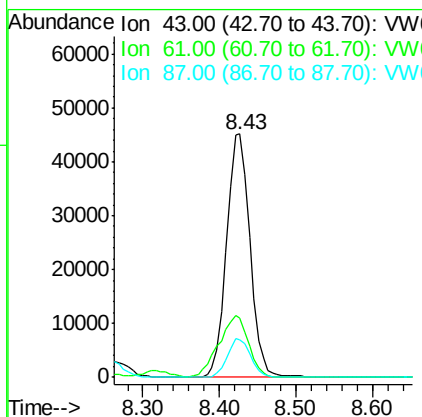
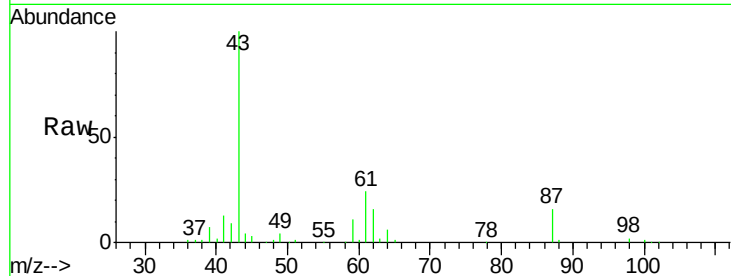
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	95830
Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.4	38.2
87	15.7	12.7	19.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#44

Trichloroethene

Concen: 60.154 ug/l

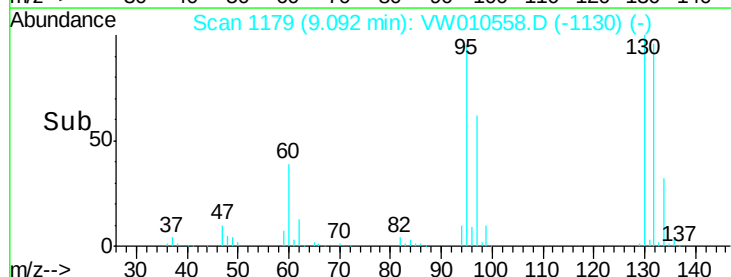
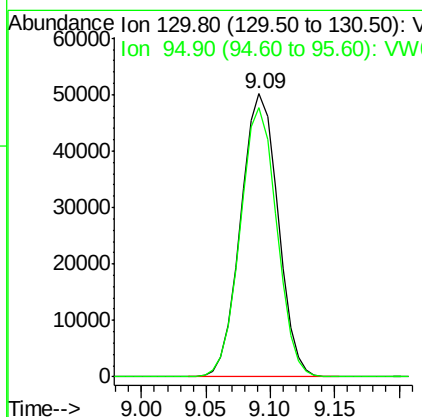
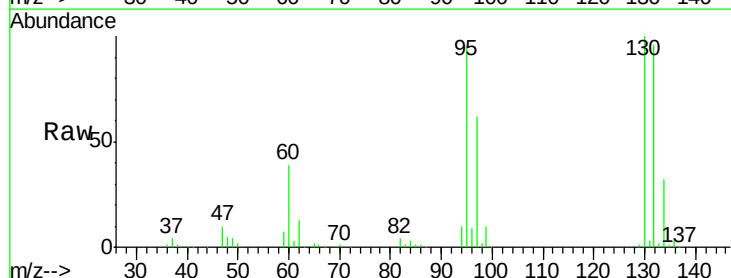
RT: 9.09 min Scan# 1179

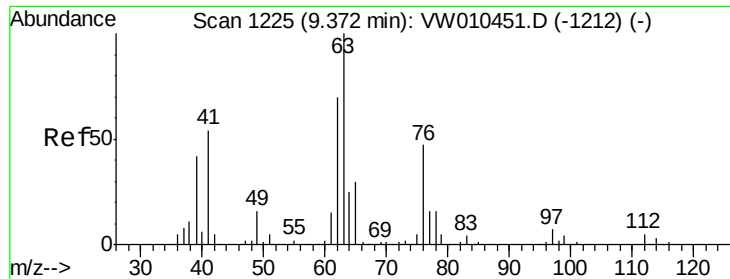
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	130	Resp:	100575
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	189.6





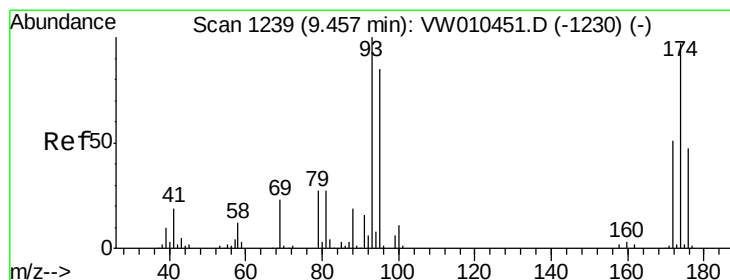
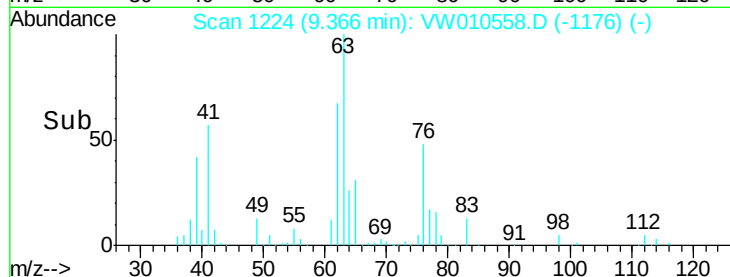
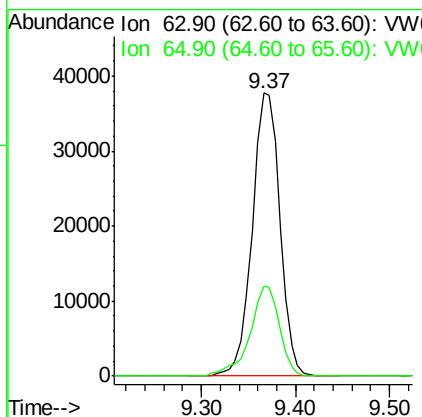
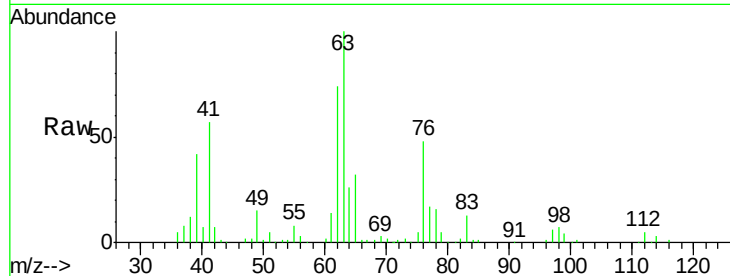
#45
 1,2-Dichloropropane
 Concen: 57.935 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 77490
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.3 36.5

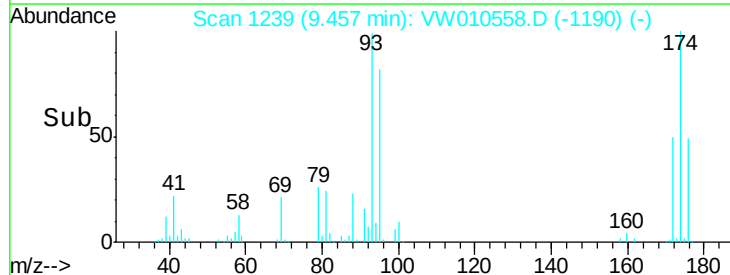
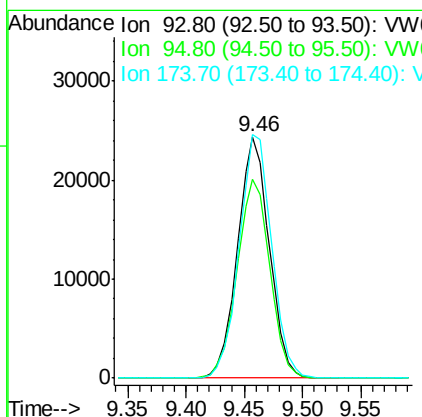
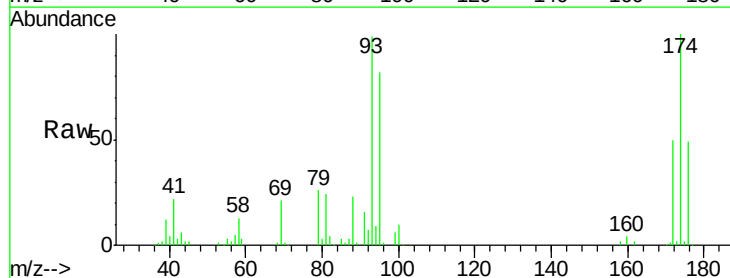
Manual Integrations
 APPROVED

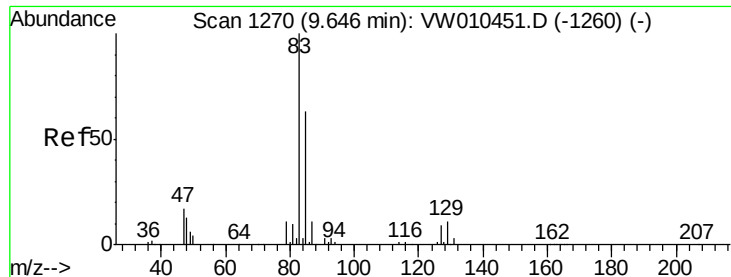
MMDadoda
 5/28/2019 12:01:28 PM



#46
 Dibromomethane
 Concen: 59.231 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion: 93 Resp: 46331
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.1 99.1
 174 103.6 77.1 115.7





#47

Bromodichloromethane

Concen: 58.126 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

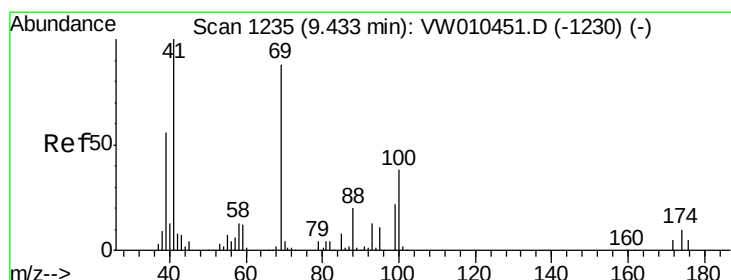
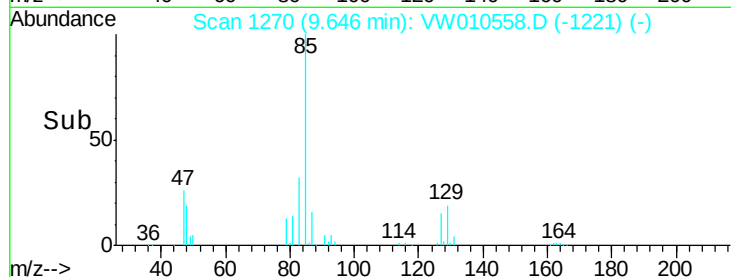
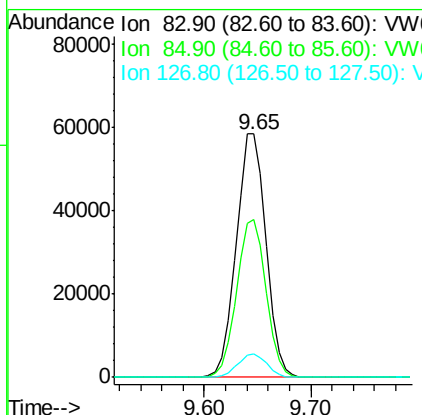
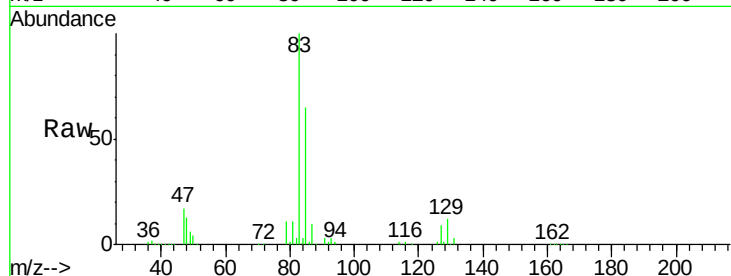
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114258
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.4	75.6
127	9.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#48

Methyl methacrylate

Concen: 55.178 ug/l

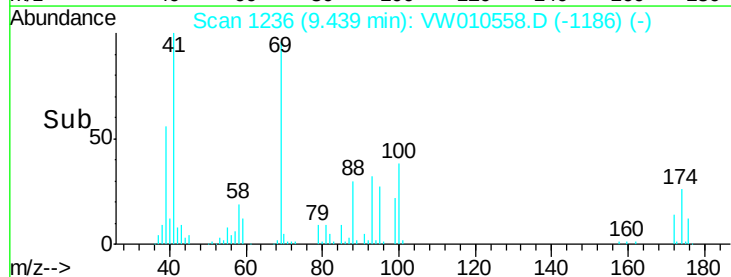
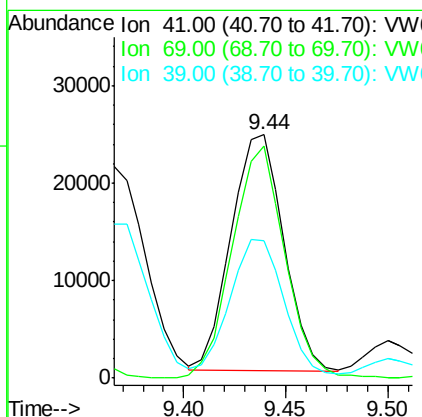
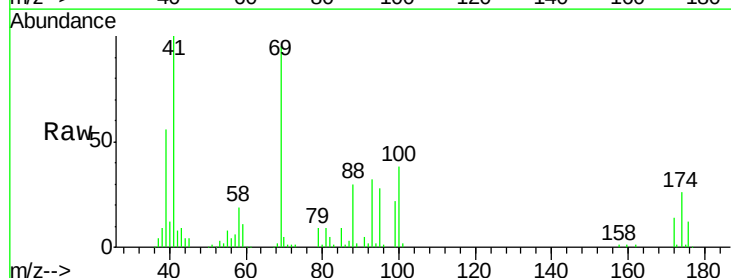
RT: 9.44 min Scan# 1236

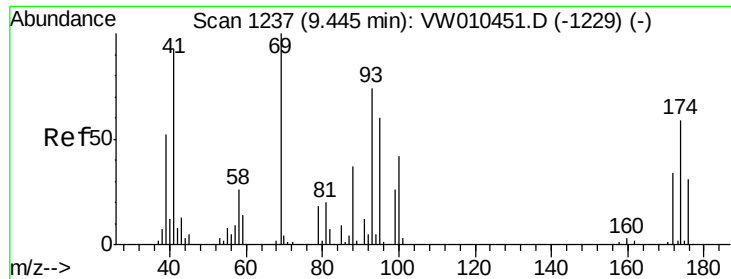
Delta R.T. 0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	41	Resp:	43453
Ion	Ratio	Lower	Upper
41	100		
69	98.7	77.6	116.4
39	61.4	49.8	74.8





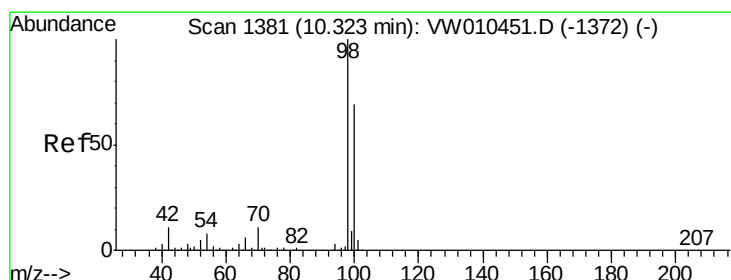
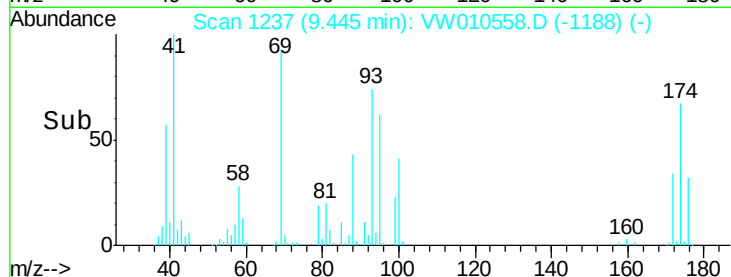
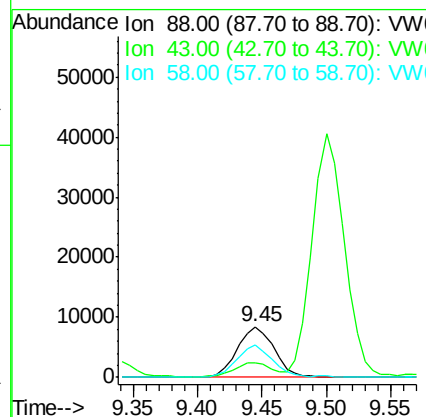
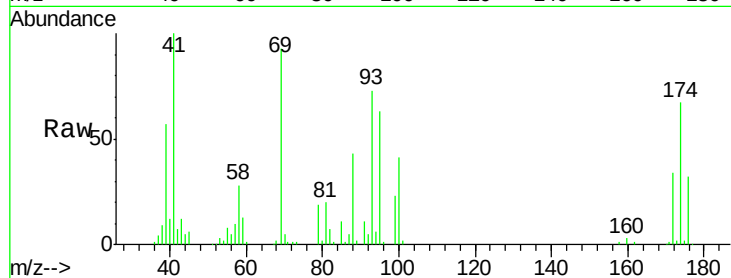
#49
1,4-Dioxane
Concen: 1304.511 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.0	25.9	38.9
58	61.8	52.7	79.1

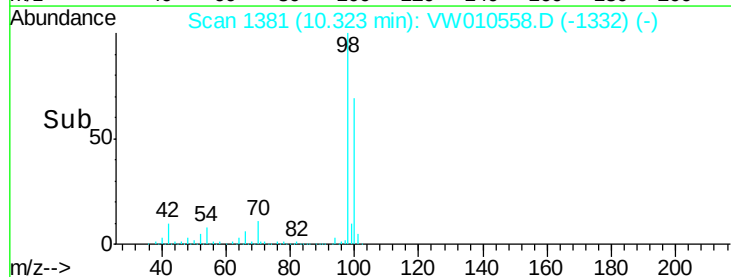
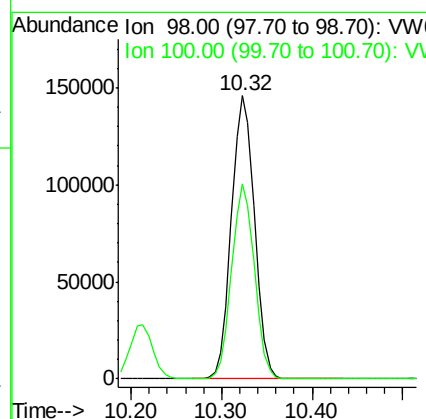
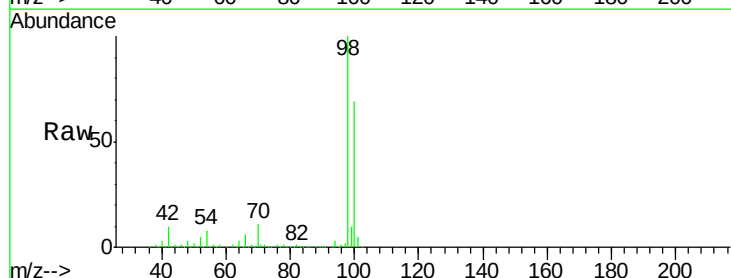
Manual Integrations
APPROVED

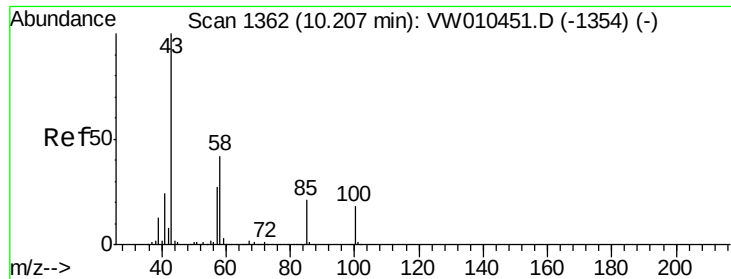
MMDadoda
5/28/2019 12:01:28 PM



#50
Toluene-d8
Concen: 51.131 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 277.408 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 241972

Ion Ratio Lower Upper

43 100

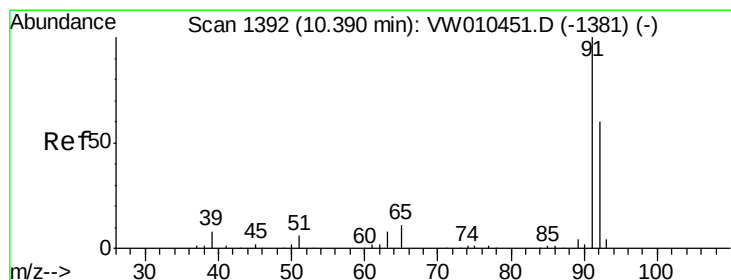
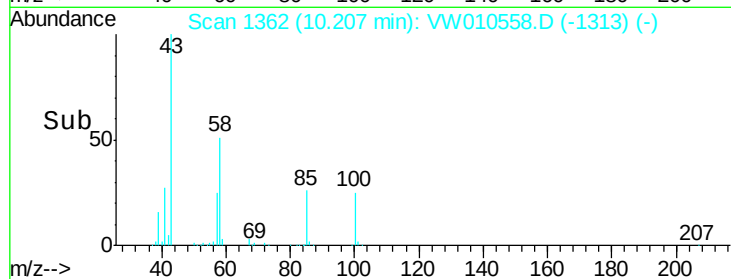
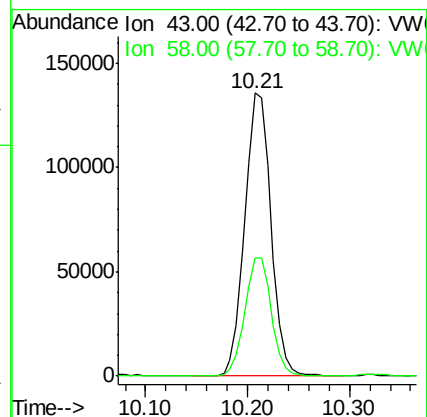
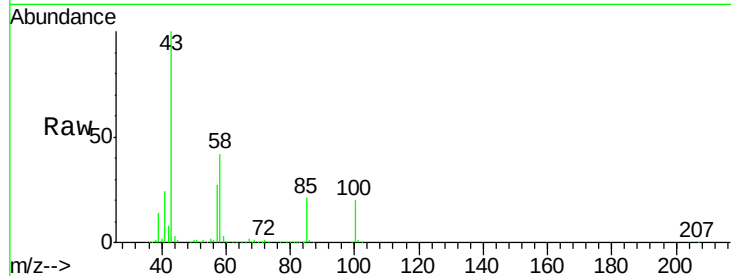
58 42.2 33.2 49.8

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



#52

Toluene

Concen: 59.802 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010558.D

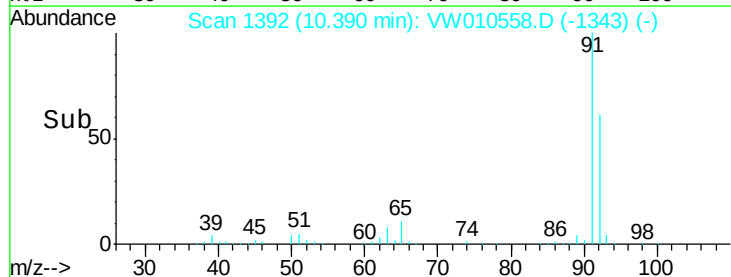
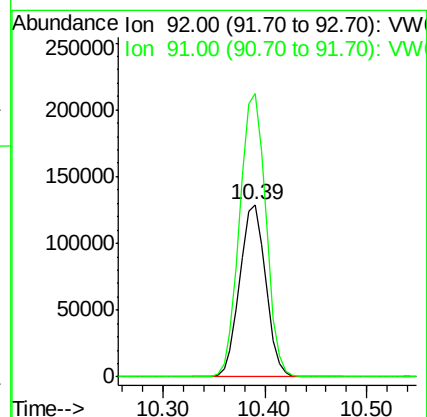
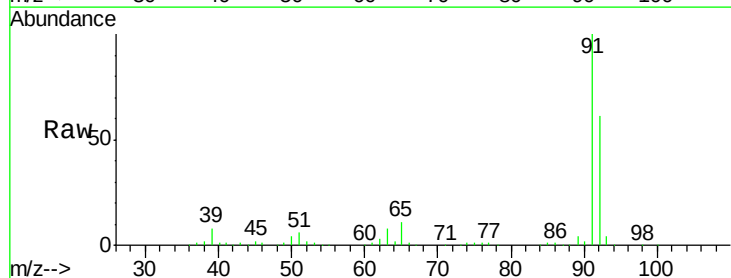
Acq: 24 May 2019 19:37

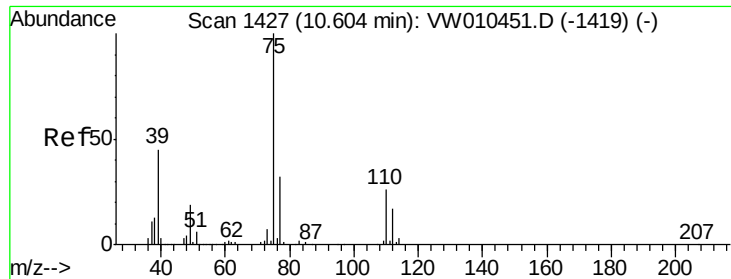
Tgt Ion: 92 Resp: 226181

Ion Ratio Lower Upper

92 100

91 166.6 135.4 203.0





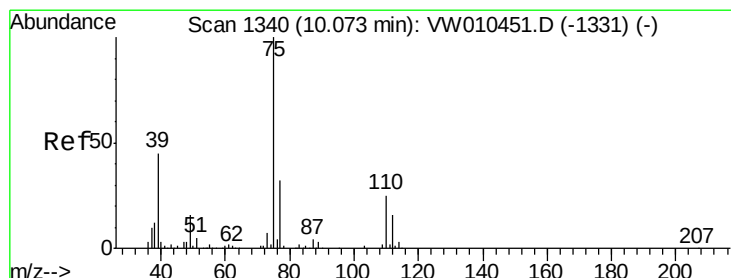
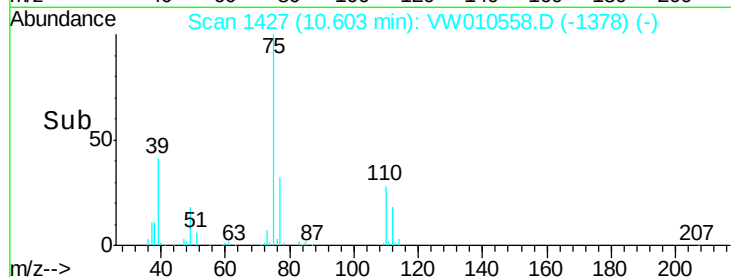
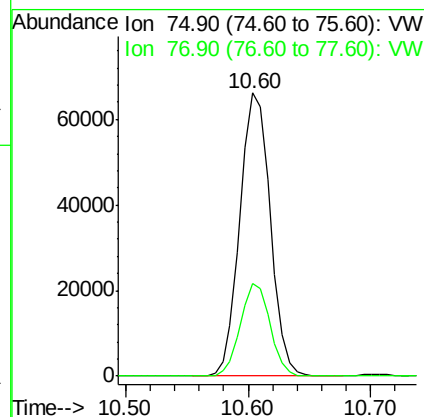
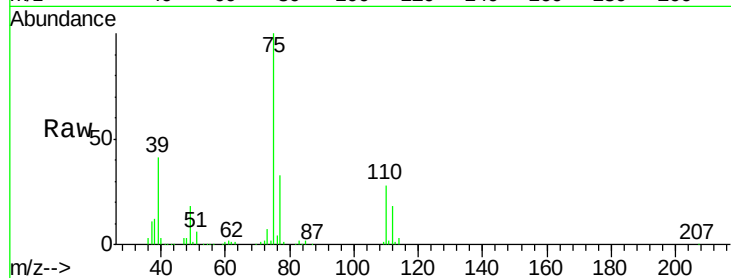
#53
t-1,3-Dichloropropene
Concen: 57.224 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	113922
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.4	38.0

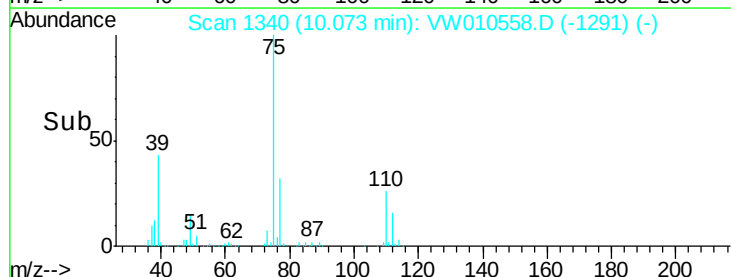
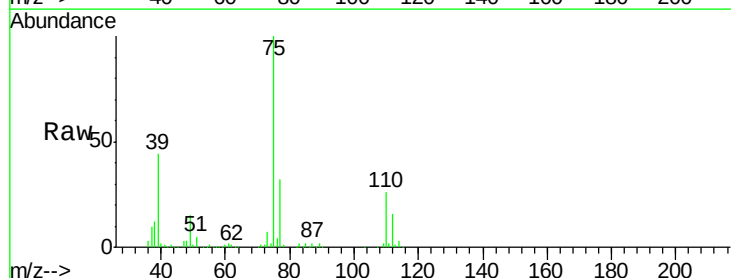
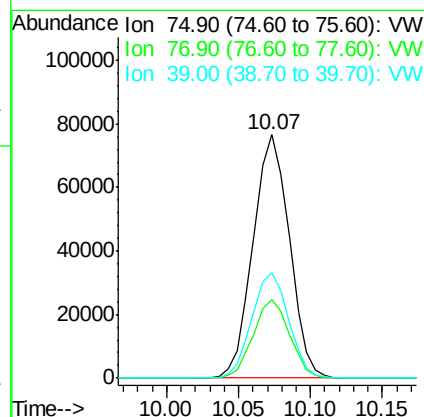
Manual Integrations
APPROVED

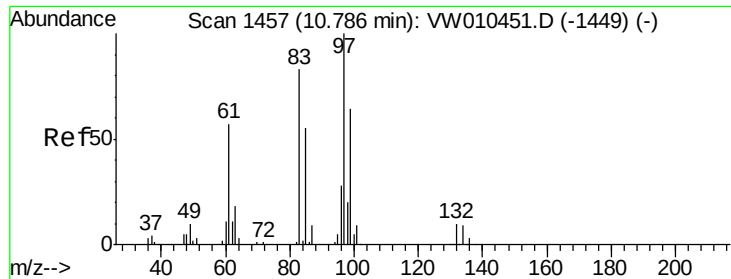
MMDadoda
5/28/2019 12:01:28 PM



#54
cis-1,3-Dichloropropene
Concen: 58.747 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	75	Resp	133568
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.7	38.5
39	43.4	36.2	54.4





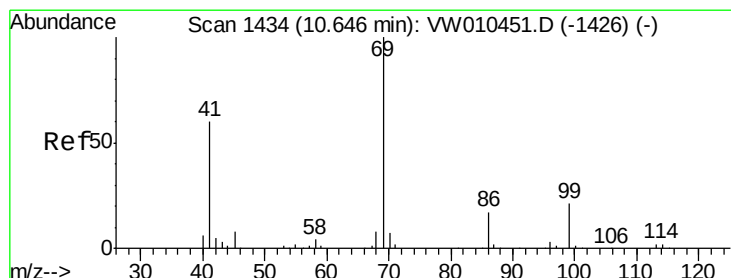
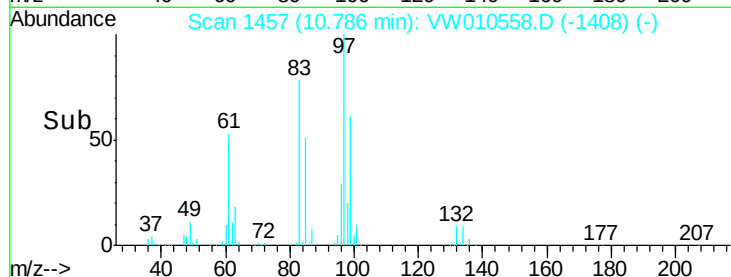
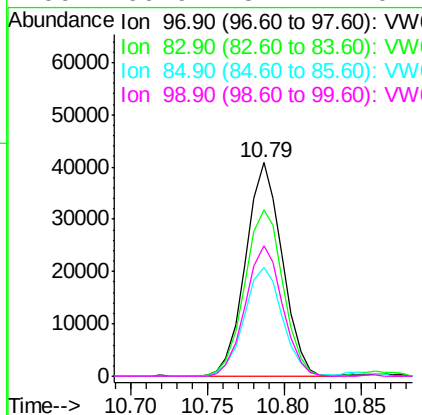
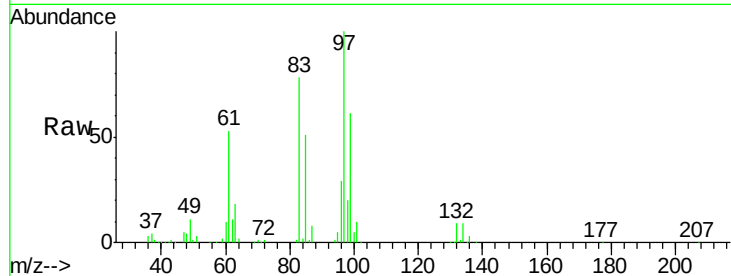
#55
 1,1,2-Trichloroethane
 Concen: 60.645 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	68216
Ion	Ratio	Lower	Upper
97	100		
83	78.0	66.1	99.1
85	51.0	44.2	66.4
99	60.9	51.1	76.7

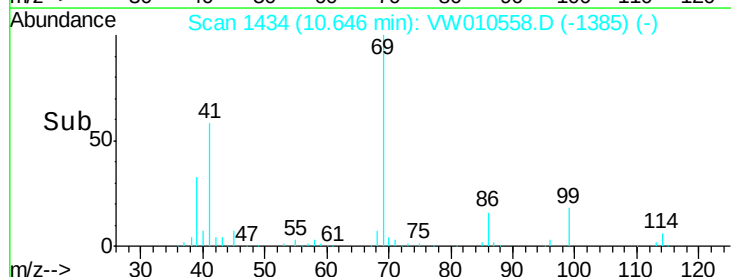
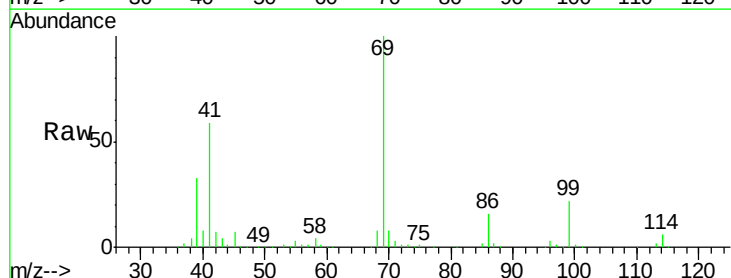
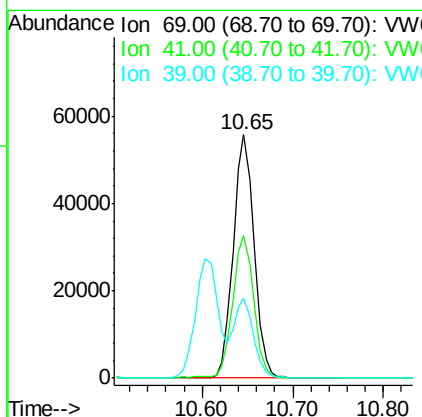
Manual Integrations
 APPROVED

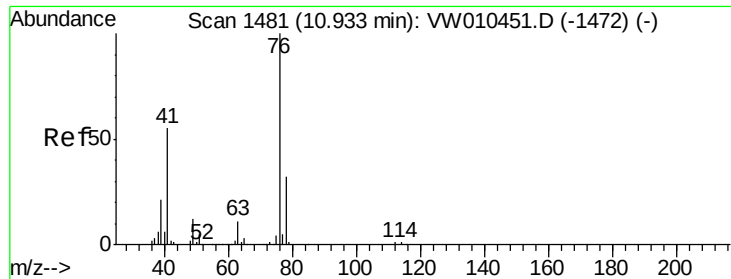
MMDadoda
 5/28/2019 12:01:28 PM



#56
 Ethyl methacrylate
 Concen: 57.298 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion:	69	Resp:	88888
Ion	Ratio	Lower	Upper
69	100		
41	57.9	47.7	71.5
39	30.4	25.3	37.9





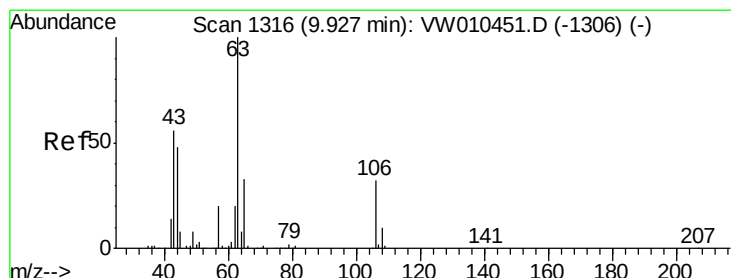
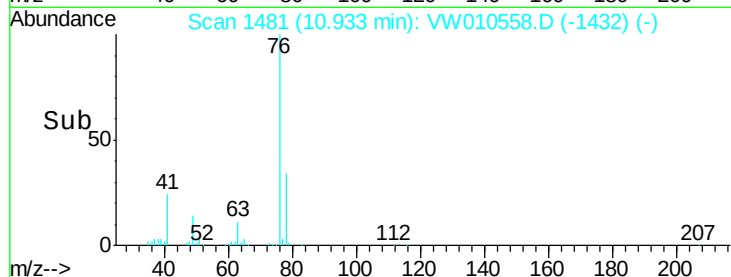
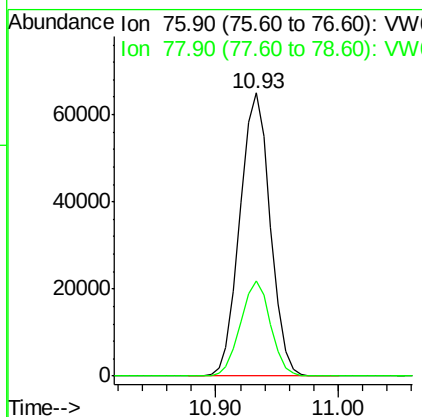
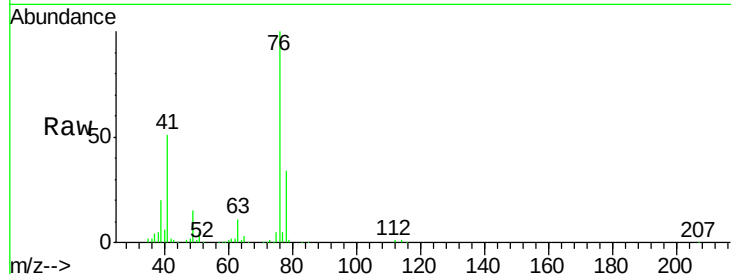
#57
 1,3-Dichloropropane
 Concen: 59.326 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 111780
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2

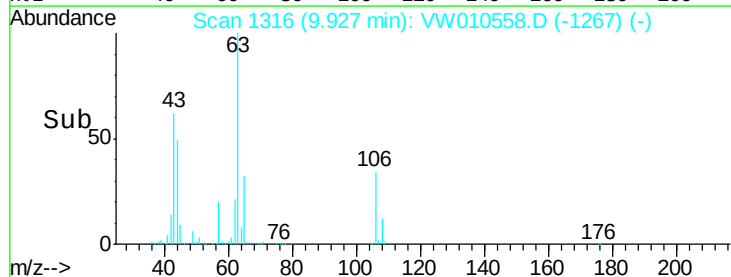
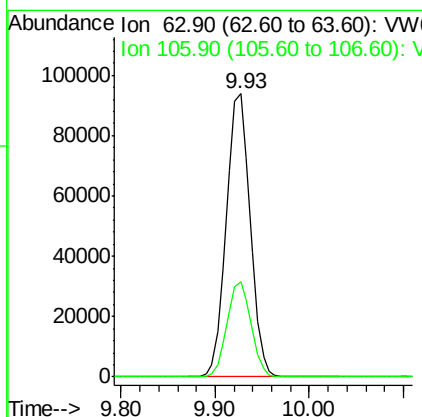
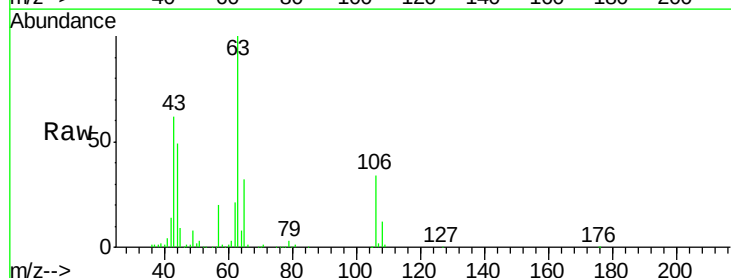
Manual Integrations
 APPROVED

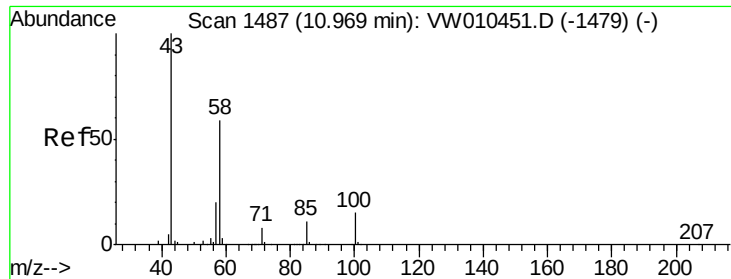
MMDadoda
 5/28/2019 12:01:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.484 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion: 63 Resp: 165931
 Ion Ratio Lower Upper
 63 100
 106 33.6 25.8 38.6





#59

2-Hexanone

Concen: 274.933 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 171070

Ion Ratio Lower Upper

43 100

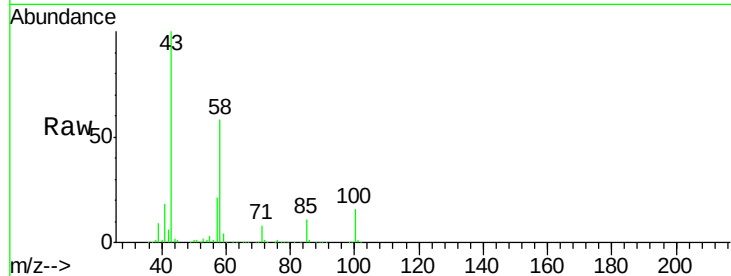
58 58.9 28.9 86.8

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

120000

100000

80000

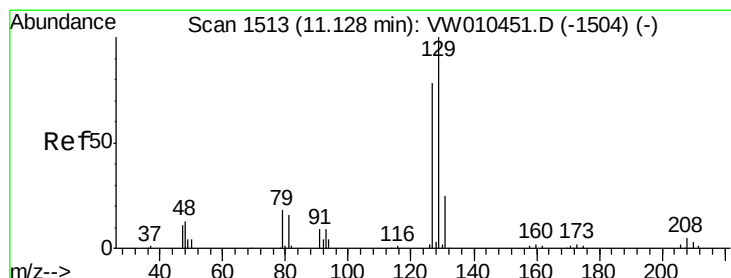
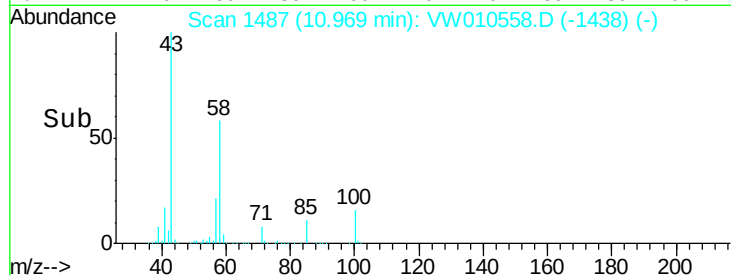
60000

40000

20000

0

Time-->



#60

Dibromochloromethane

Concen: 59.975 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010558.D

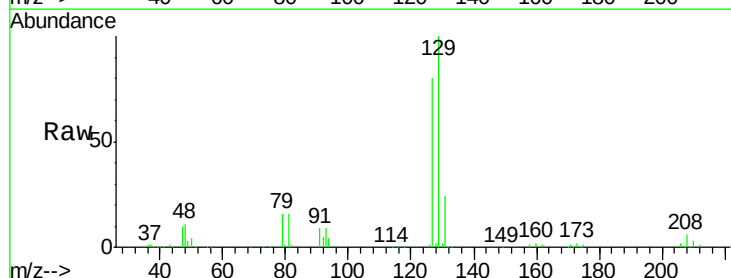
Acq: 24 May 2019 19:37

Tgt Ion: 129 Resp: 85379

Ion Ratio Lower Upper

129 100

127 77.6 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

50000

40000

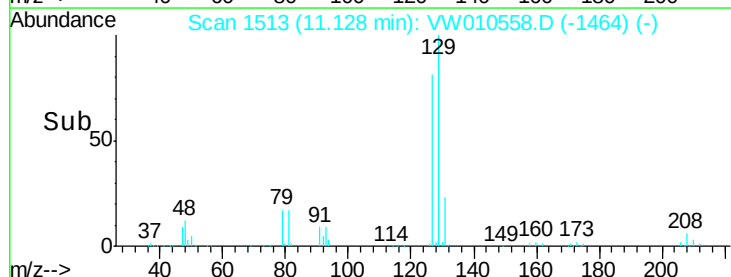
30000

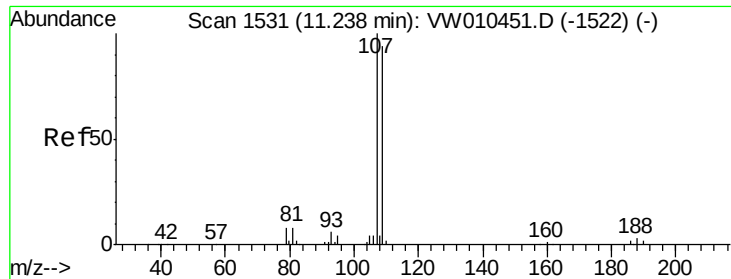
20000

10000

0

Time-->





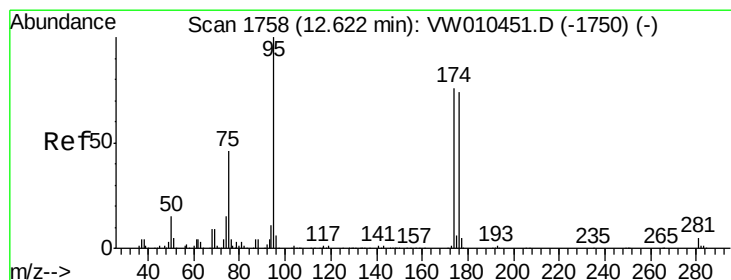
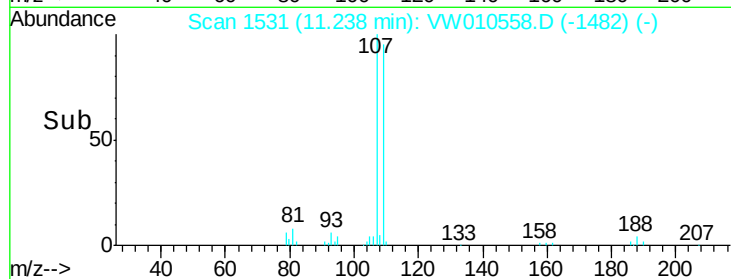
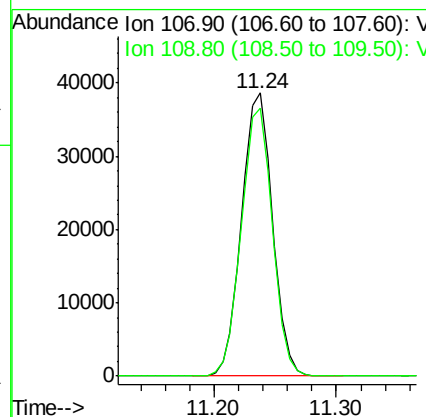
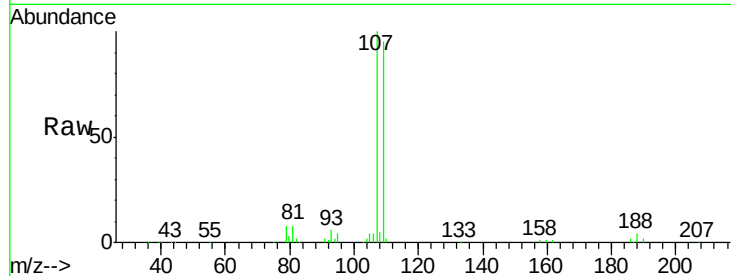
#61
 1,2-Dibromoethane
 Concen: 59.512 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.0	112.4

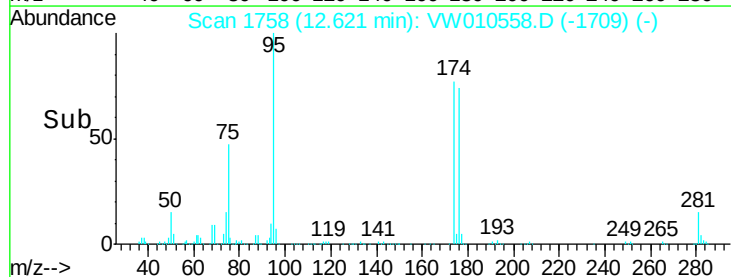
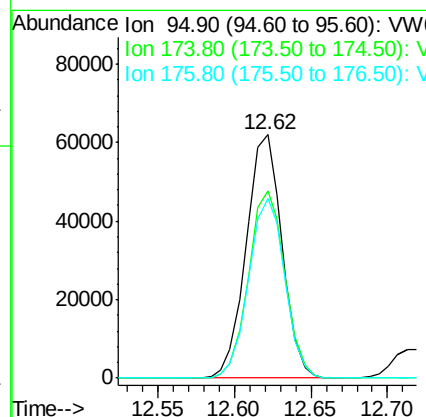
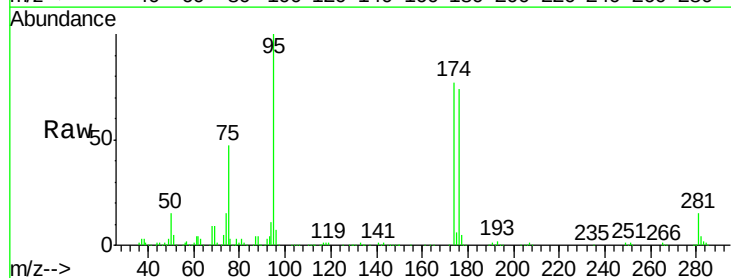
Manual Integrations
 APPROVED

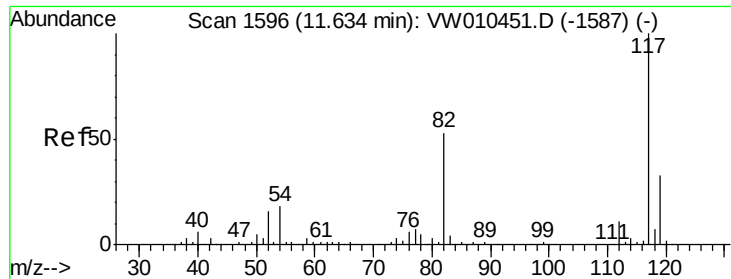
MMDadoda
 5/28/2019 12:01:28 PM



#62
 4-Bromofluorobenzene
 Concen: 50.176 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	148.6
176	74.6	0.0	144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

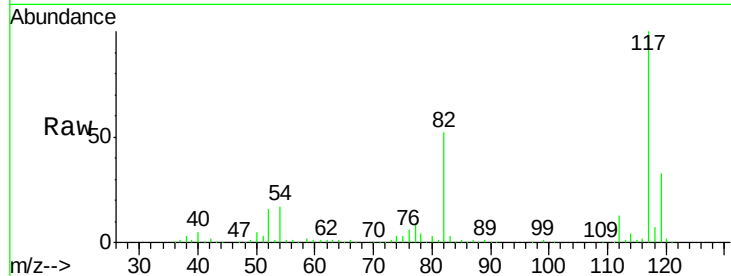
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	198890
Ion Ratio	Lower	Upper	
117	100		
82	52.2	42.8	64.2
119	33.0	26.3	39.5

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM

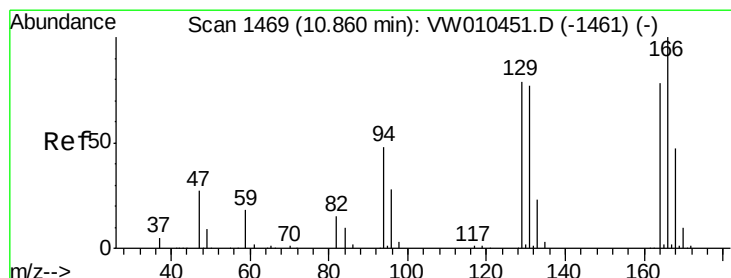
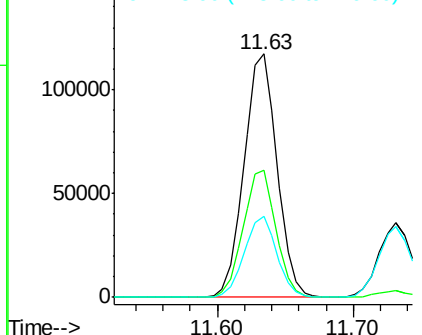
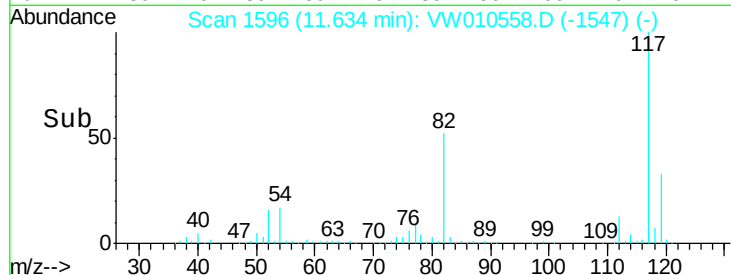


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 60.552 ug/l

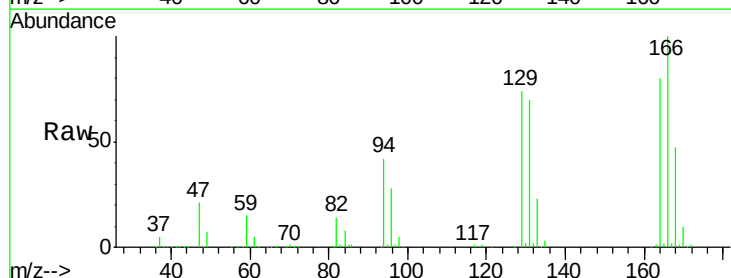
RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	164	Resp:	83953
Ion Ratio	Lower	Upper	
164	100		
166	125.5	101.9	152.9
129	93.4	80.6	121.0
131	88.1	78.2	117.2



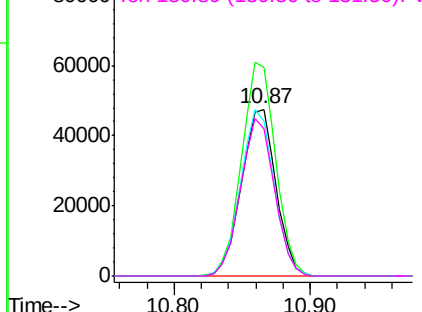
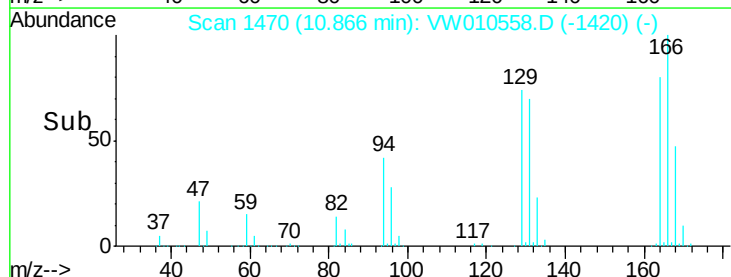
Abundance

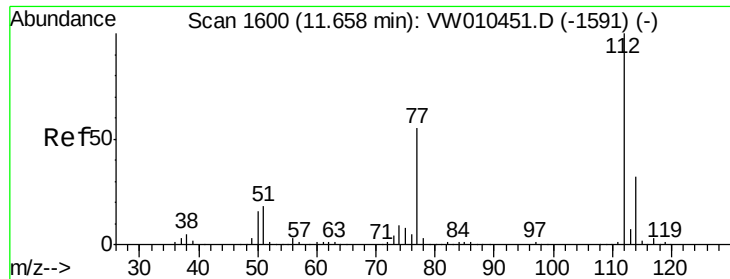
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





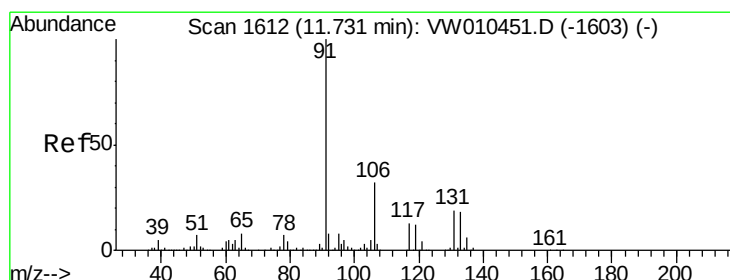
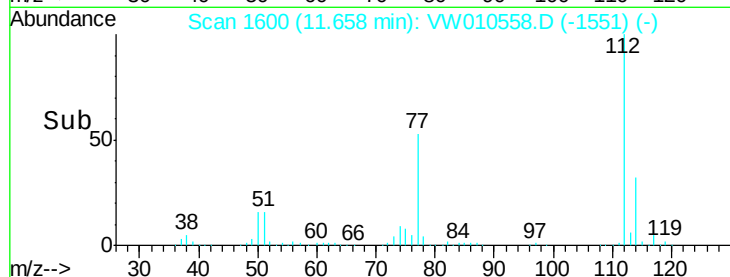
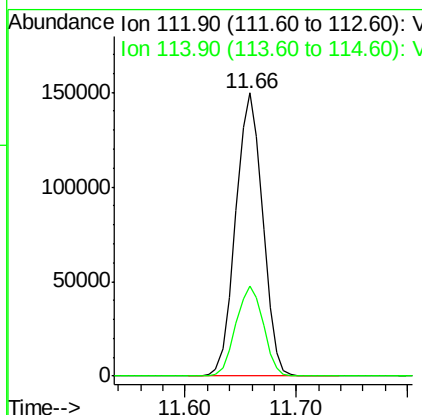
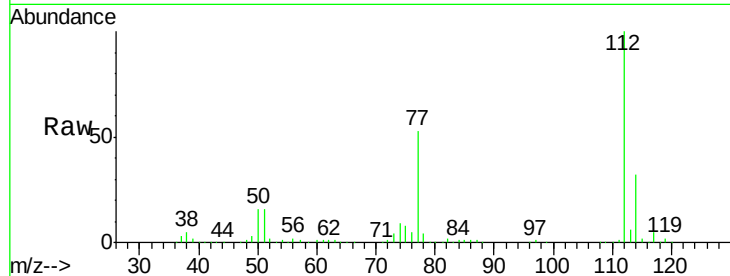
#65
Chlorobenzene
Concen: 59.272 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 251244
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

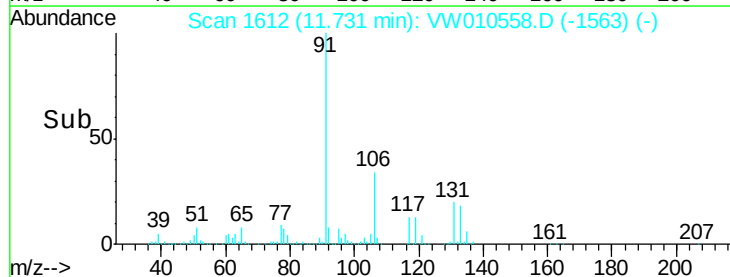
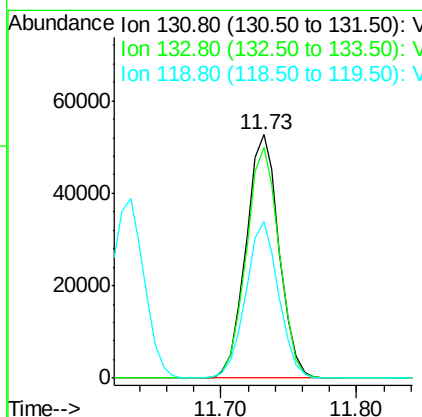
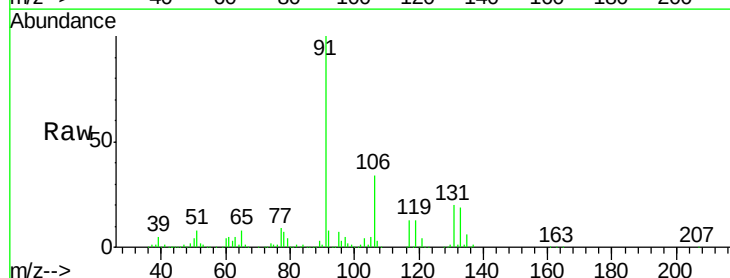
Manual Integrations
APPROVED

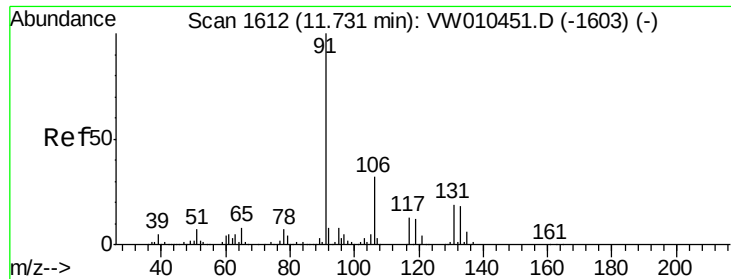
MMDadoda
5/28/2019 12:01:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.840 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion:131 Resp: 89345
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 64.0 32.1 96.5





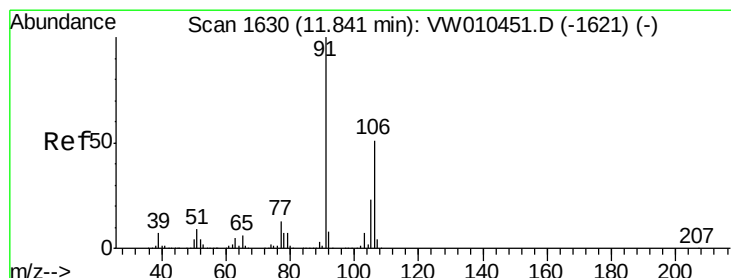
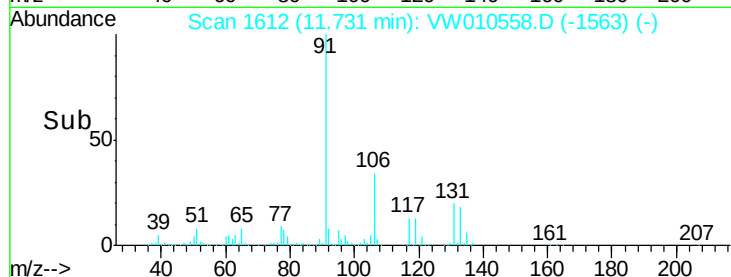
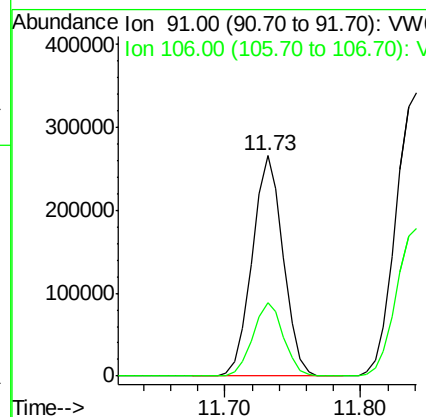
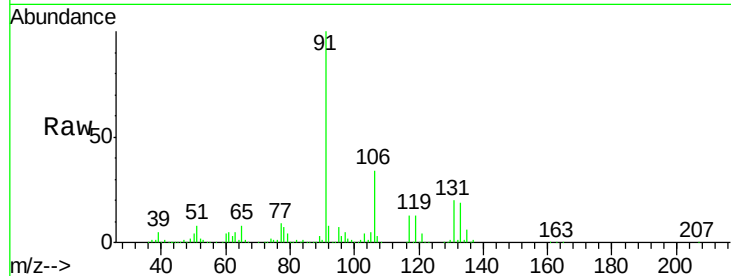
#67
Ethyl Benzene
Concen: 56.707 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.9	38.9

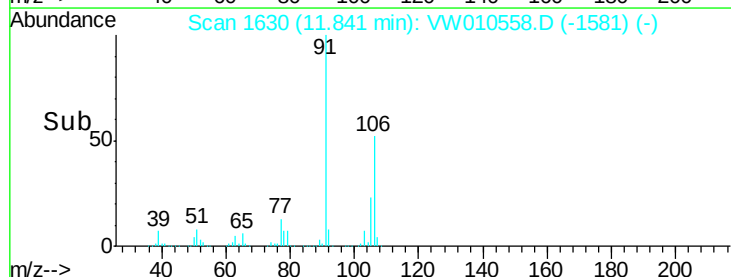
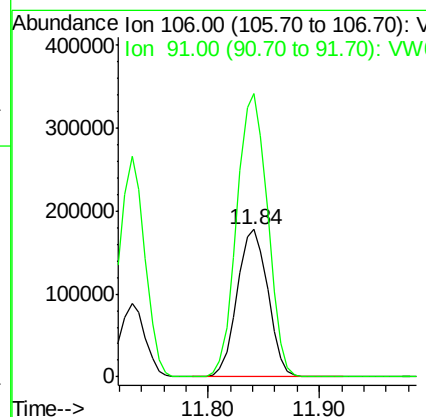
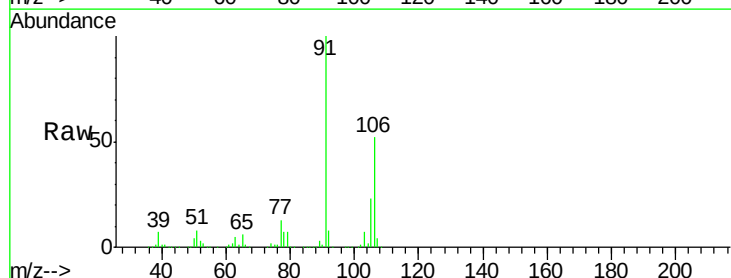
Manual Integrations
APPROVED

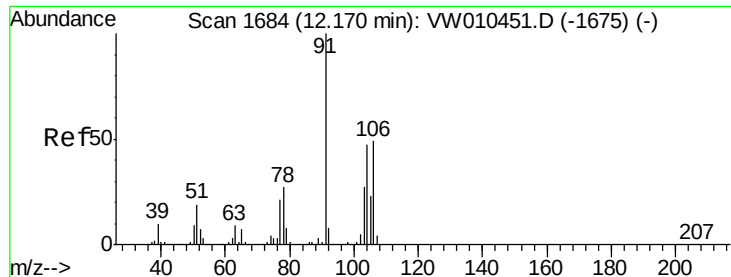
MMDadoda
5/28/2019 12:01:28 PM



#68
m/p-Xylenes
Concen: 115.300 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.2	156.0	234.0





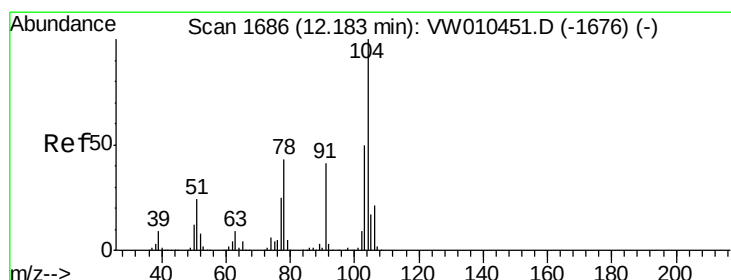
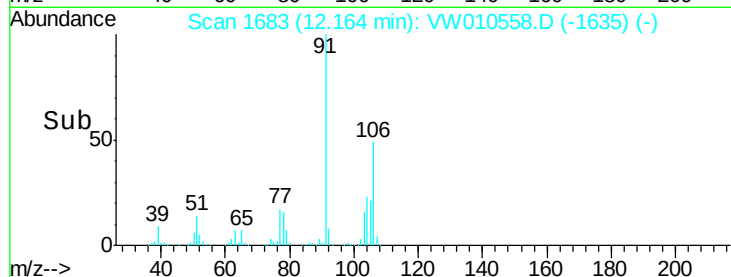
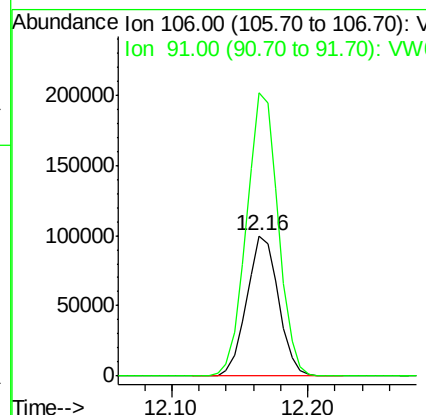
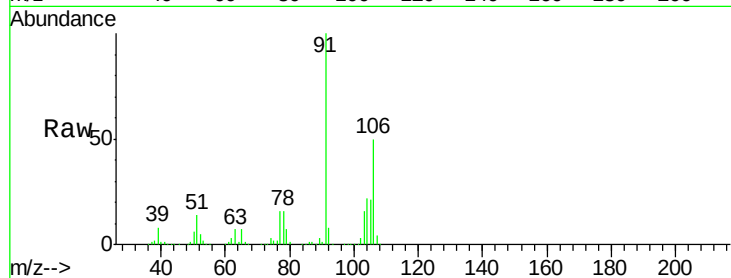
#69
o-Xylene
Concen: 58.327 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.5	103.2	309.4

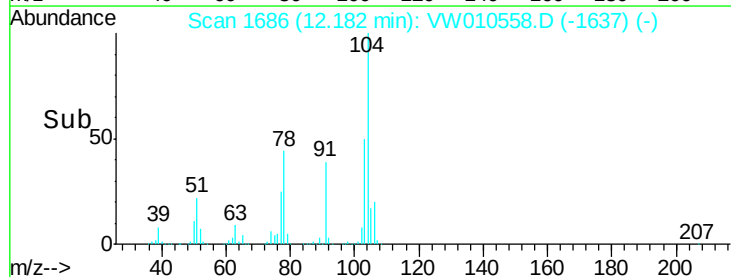
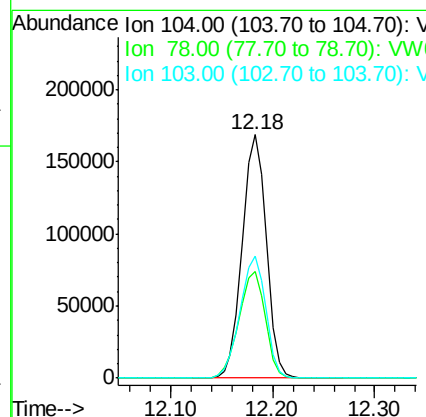
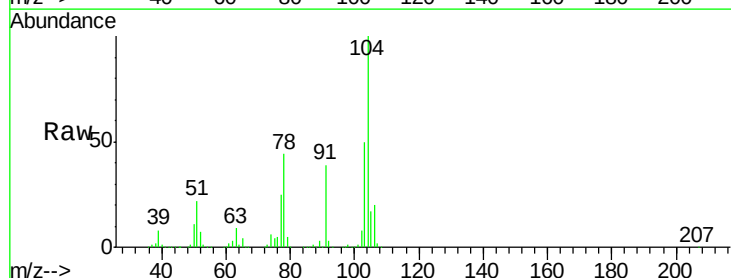
Manual Integrations
APPROVED

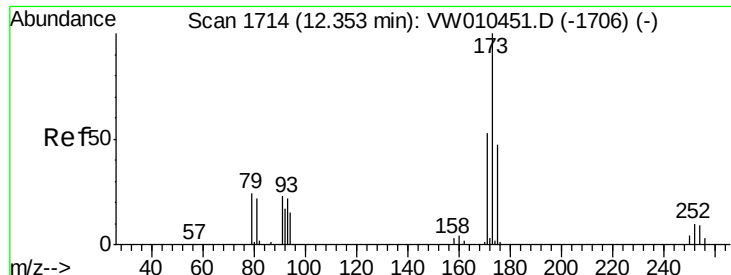
MMDadoda
5/28/2019 12:01:28 PM



#70
Styrene
Concen: 58.366 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.0	58.4
103	53.5	43.0	64.6





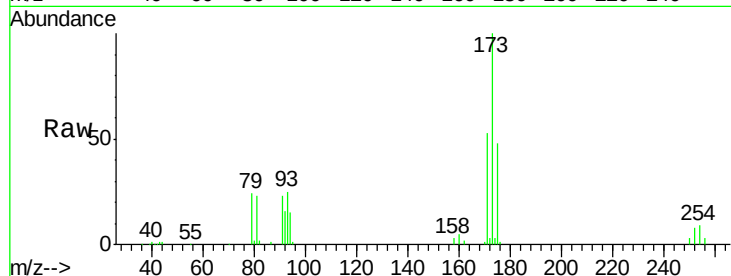
#71
Bromoform
Concen: 57.917 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

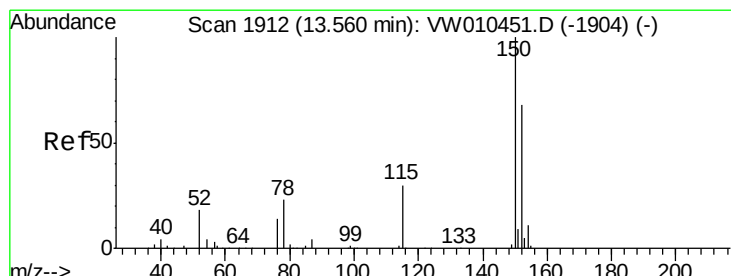
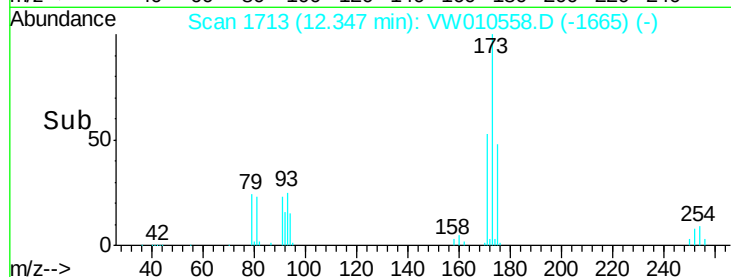
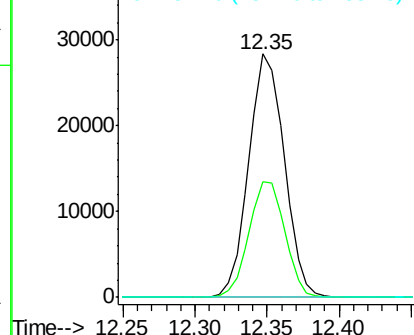
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM

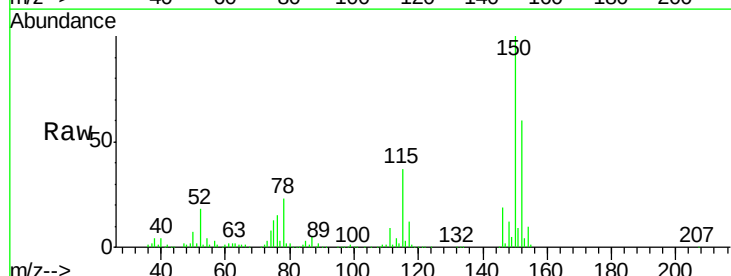


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

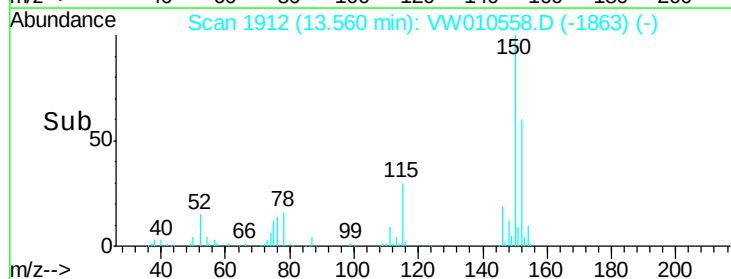
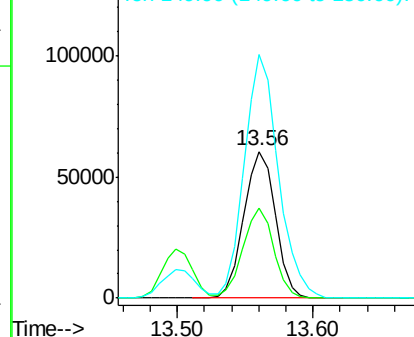


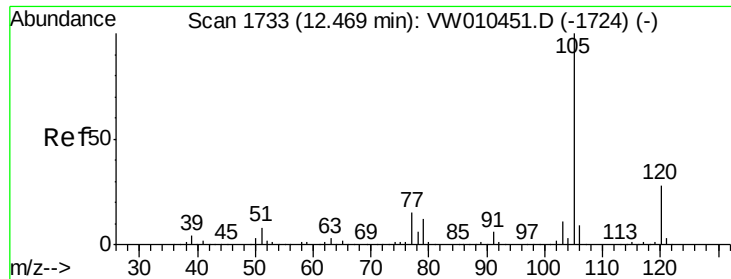
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.3	91.0
150	179.3	0.0	349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.620 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 434223

Ion Ratio Lower Upper

105 100

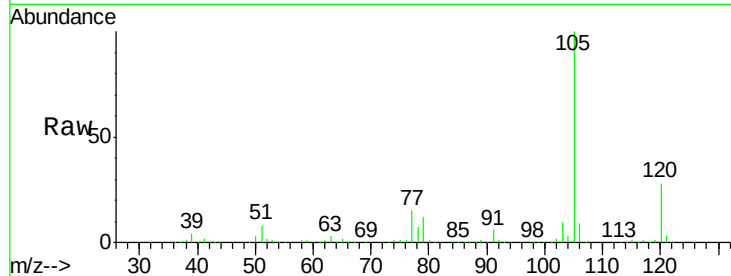
120 28.0 13.9 41.7

Manual Integrations

APPROVED

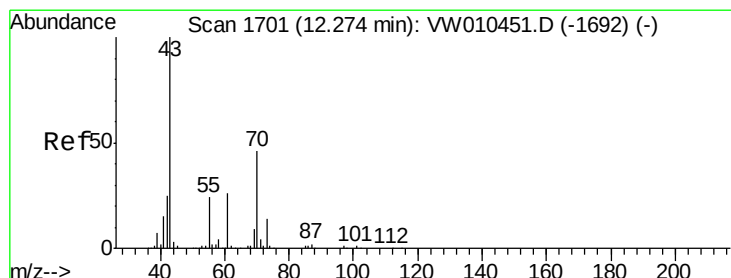
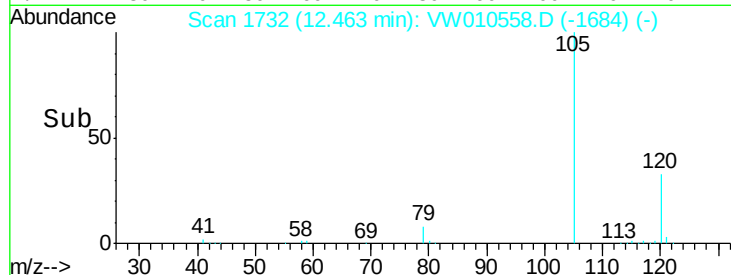
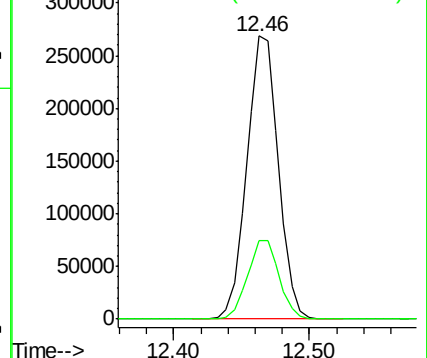
MMDadoda

5/28/2019 12:01:28 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.861 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion: 43 Resp: 92780

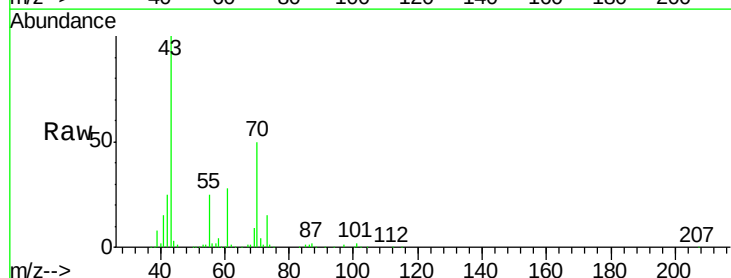
Ion Ratio Lower Upper

43 100

70 48.5 37.1 55.7

55 25.3 19.6 29.4

61 27.0 20.7 31.1

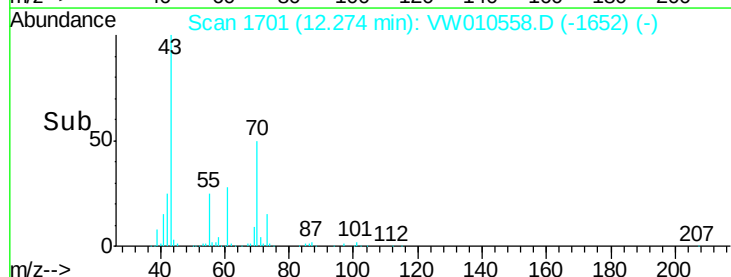
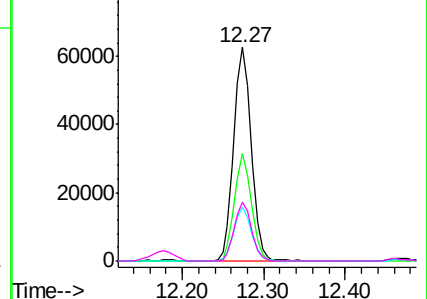


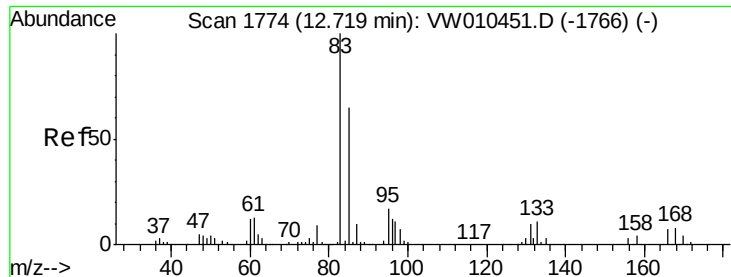
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 54.756 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

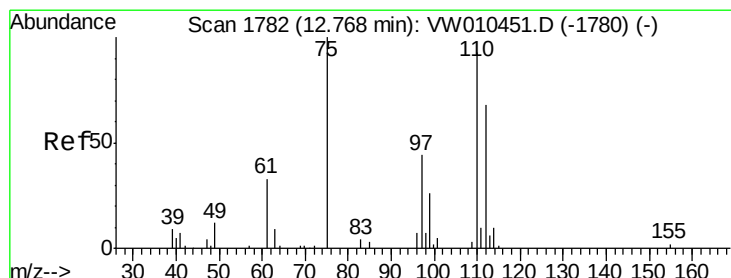
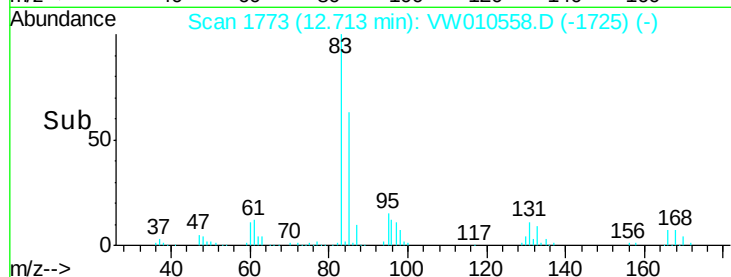
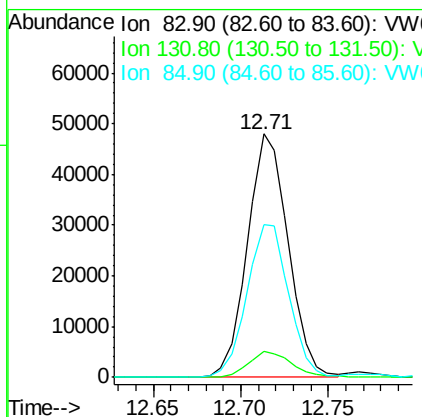
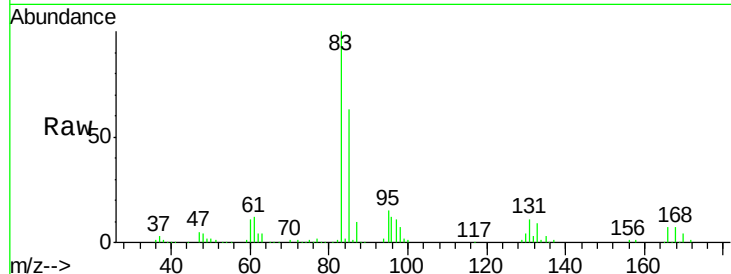
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	77752
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	64.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#76

1,2,3-Trichloropropane

Concen: 53.062 ug/l m

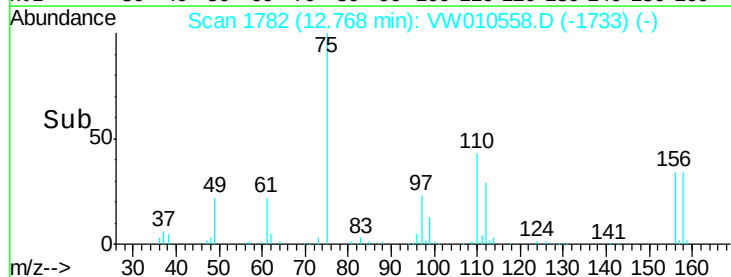
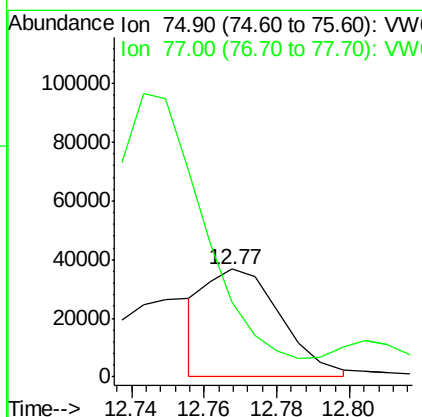
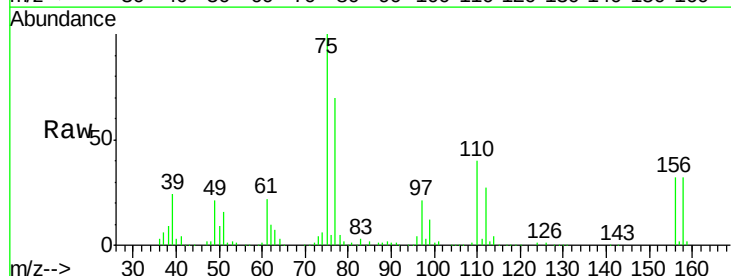
RT: 12.77 min Scan# 1782

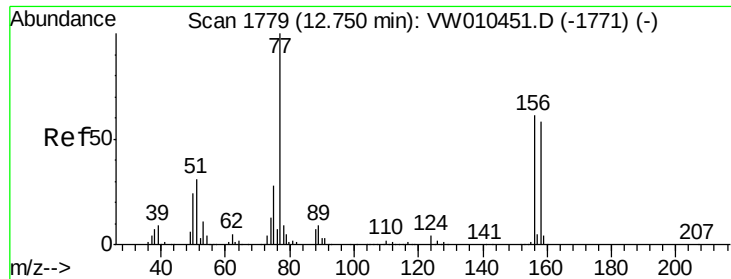
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion:	75	Resp:	52990
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 59.426 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

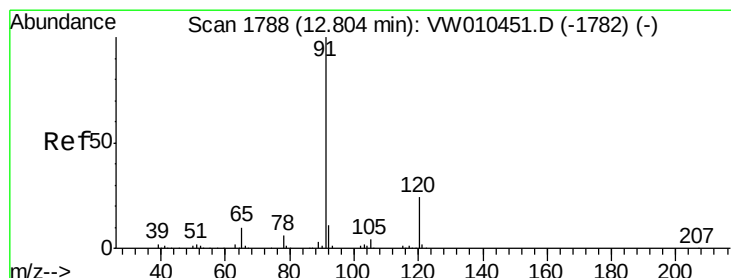
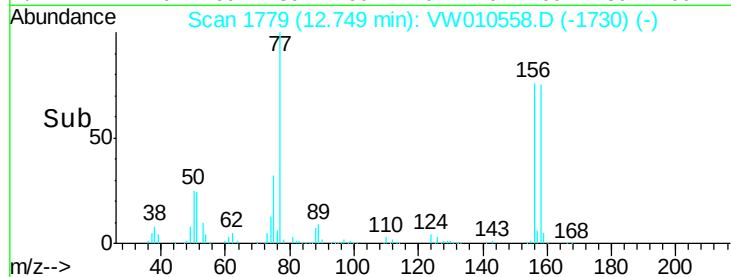
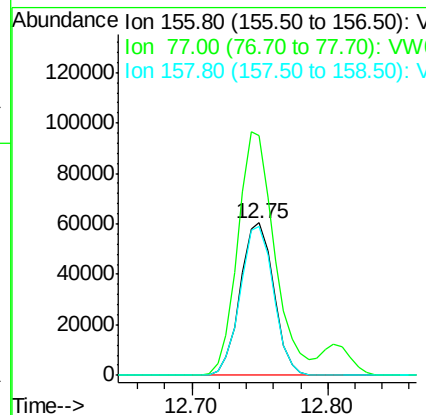
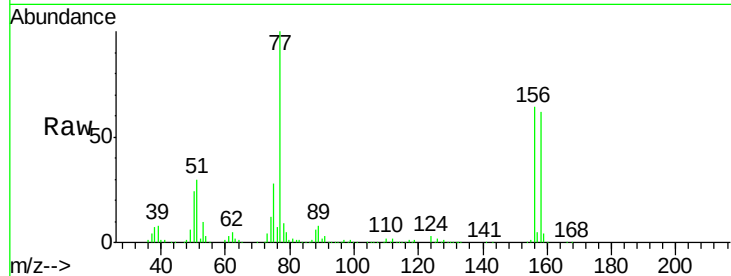
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.3	92.4	277.2
158	97.2	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#78

n-propylbenzene

Concen: 55.110 ug/l

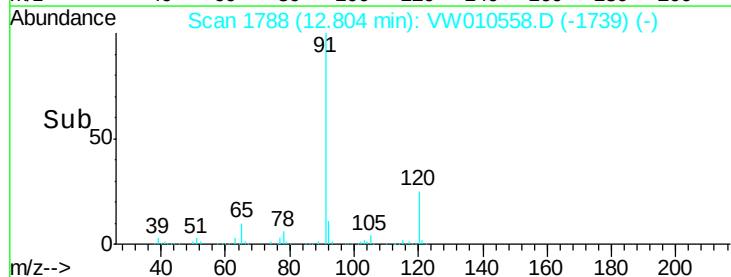
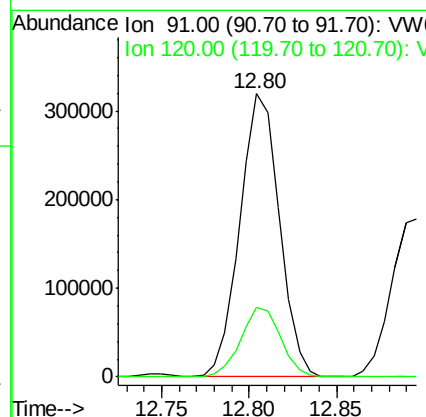
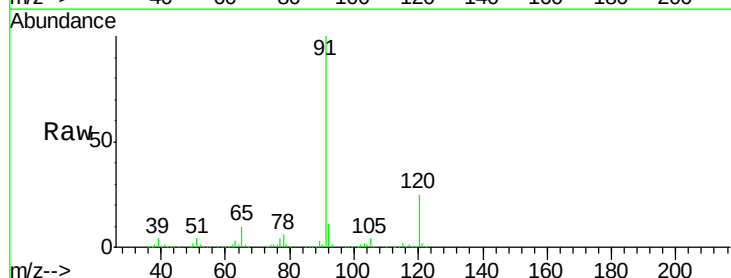
RT: 12.80 min Scan# 1788

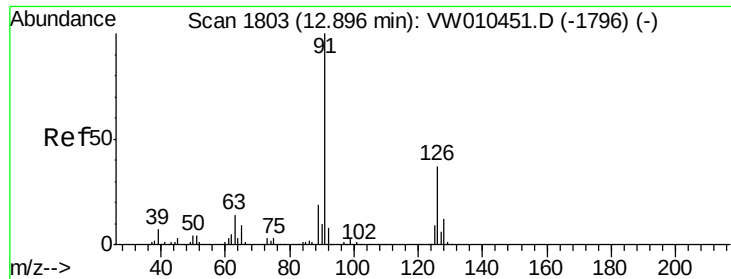
Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.8





#79

2-Chlorotoluene

Concen: 55.487 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 292755

Ion Ratio Lower Upper

91 100

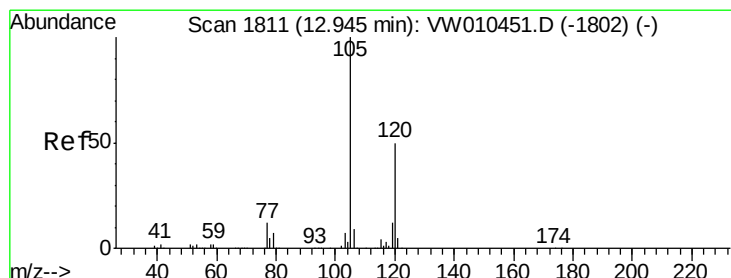
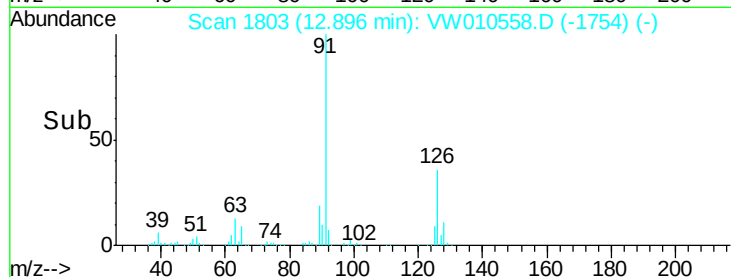
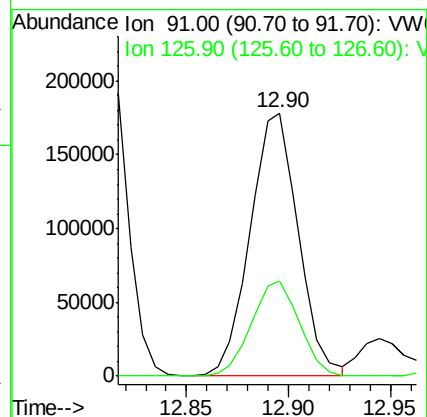
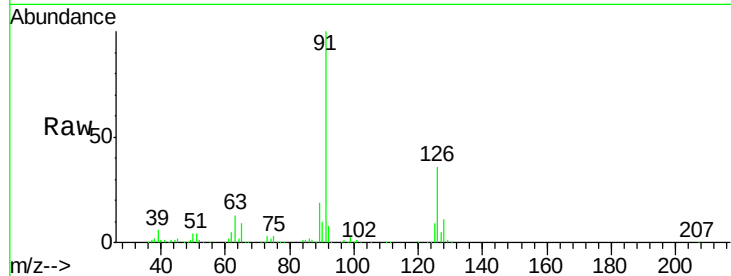
126 36.0 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



#80

1,3,5-Trimethylbenzene

Concen: 55.976 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010558.D

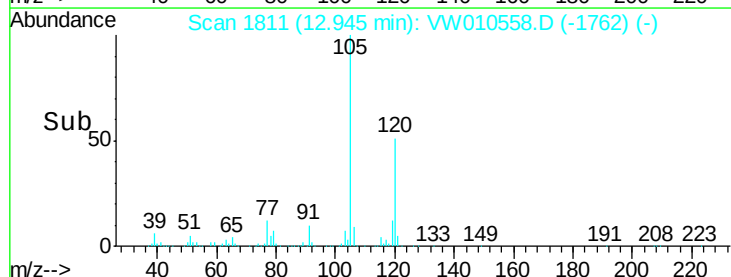
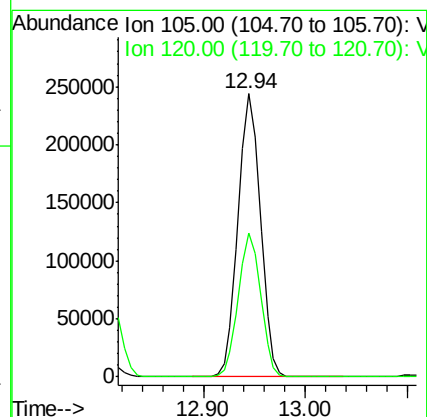
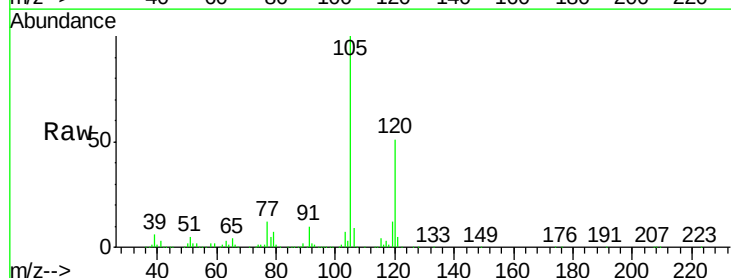
Acq: 24 May 2019 19:37

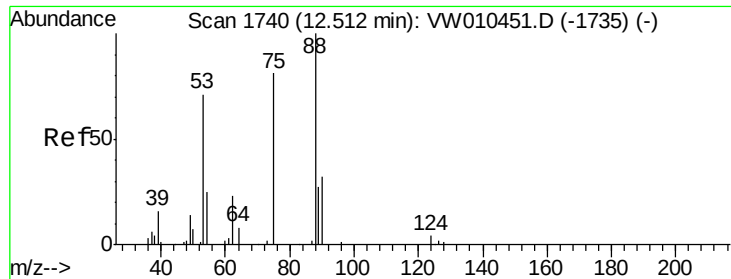
Tgt Ion:105 Resp: 370117

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6





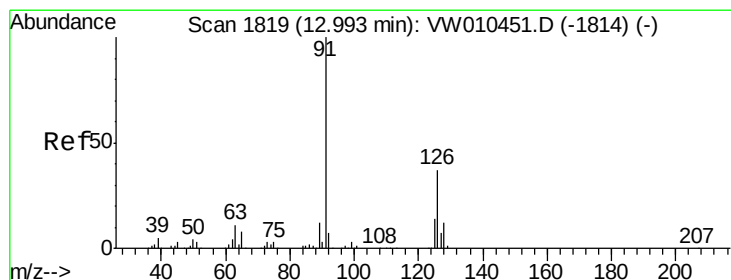
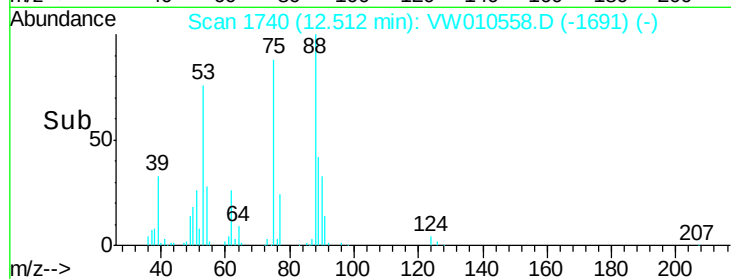
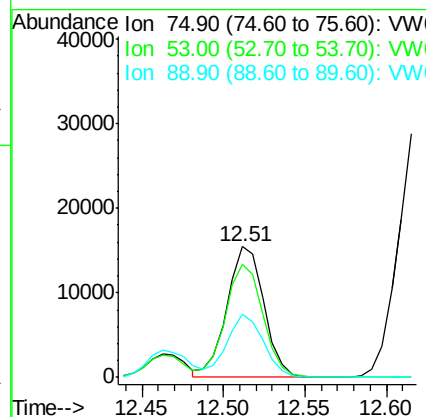
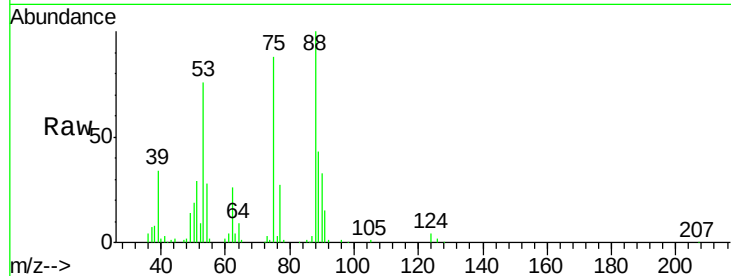
#81
trans-1,4-Dichloro-2-butene
Concen: 51.162 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	69.8	104.8
89	47.2	39.5	59.3

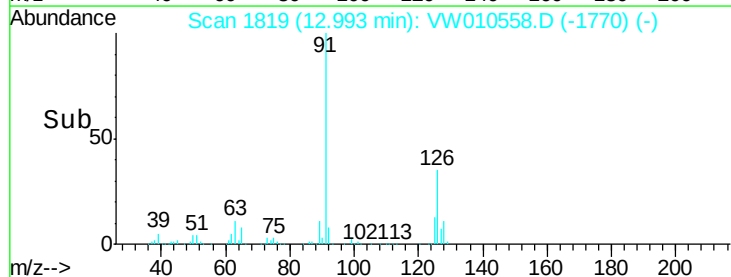
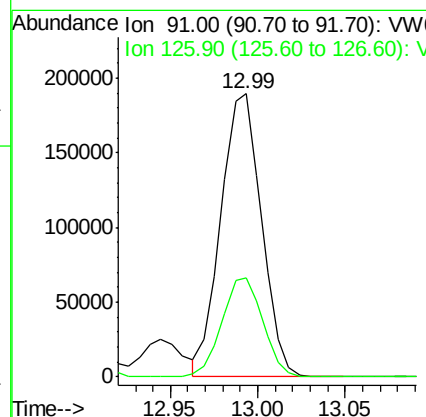
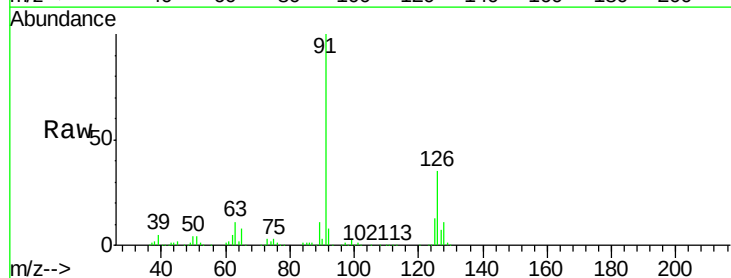
Manual Integrations
APPROVED

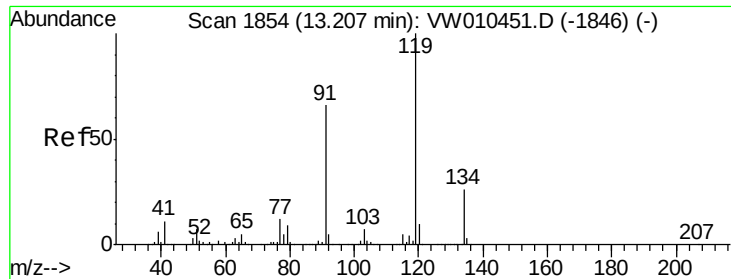
MMDadoda
5/28/2019 12:01:28 PM



#82
4-Chlorotoluene
Concen: 55.835 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.6





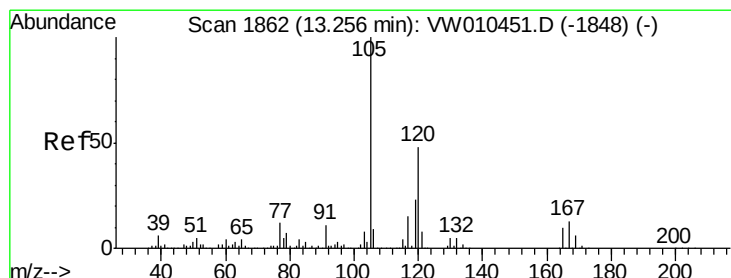
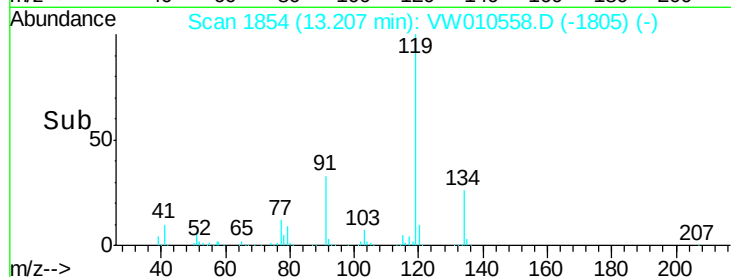
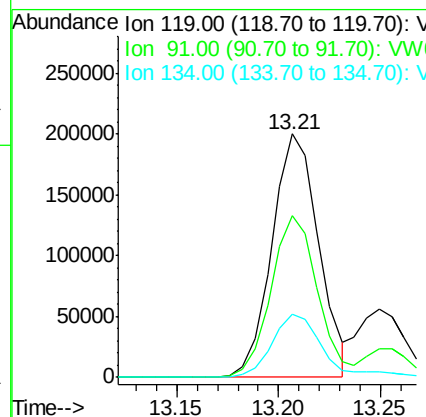
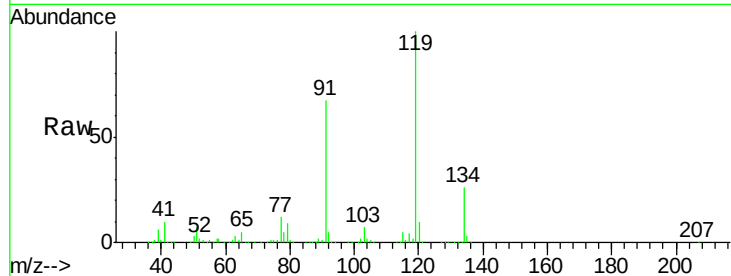
#83
 tert-Butylbenzene
 Concen: 55.336 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	319600		
91	66.5		33.1	99.5
134	28.1		13.9	41.6

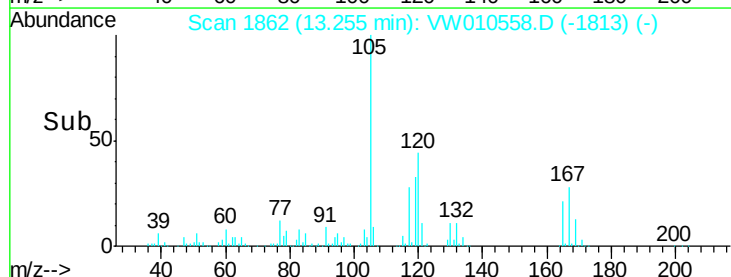
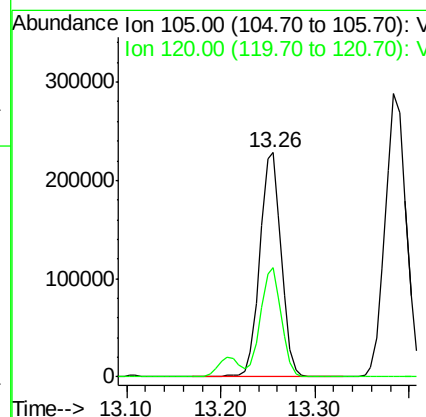
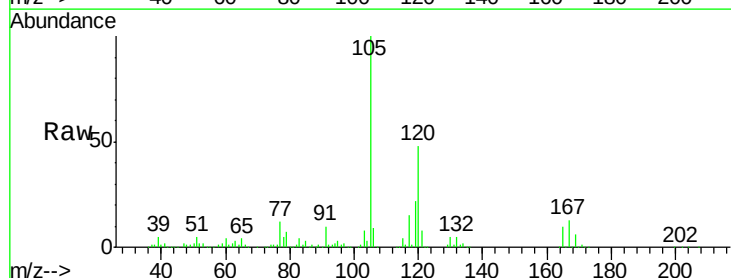
Manual Integrations
 APPROVED

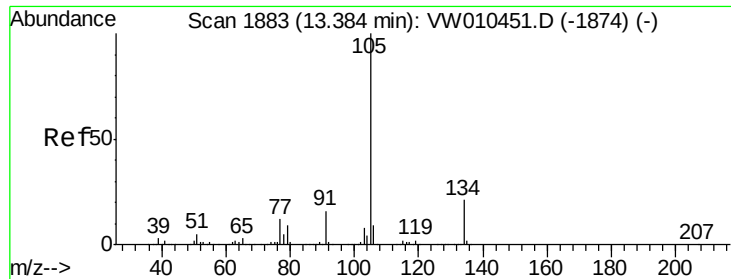
MMDadoda
 5/28/2019 12:01:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.669 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366598		
120	47.3		23.4	70.2





#85

sec-Butylbenzene

Concen: 55.379 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 447606

Ion Ratio Lower Upper

105 100

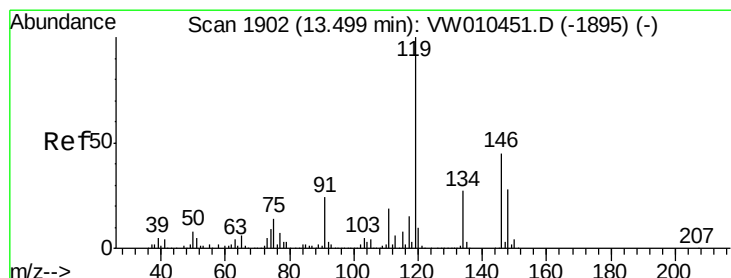
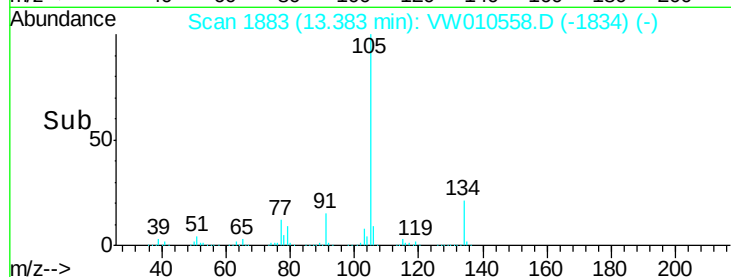
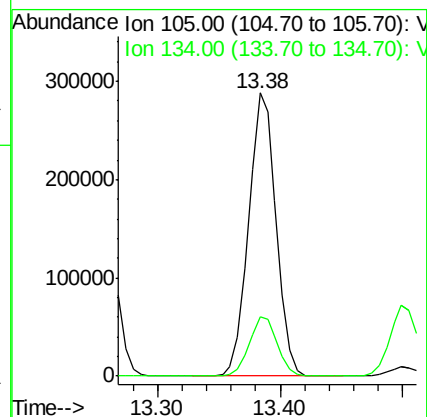
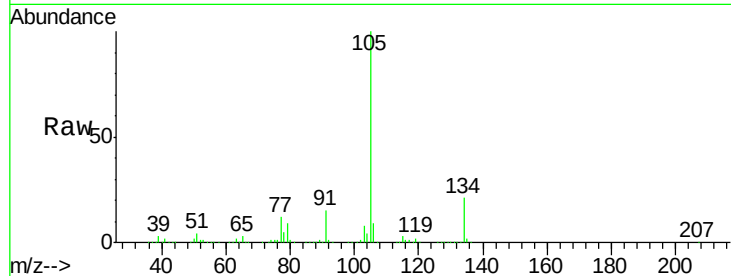
134 21.2 10.5 31.6

Manual Integrations

APPROVED

MMDadoda

5/28/2019 12:01:28 PM



#86

p-Isopropyltoluene

Concen: 55.822 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010558.D

Acq: 24 May 2019 19:37

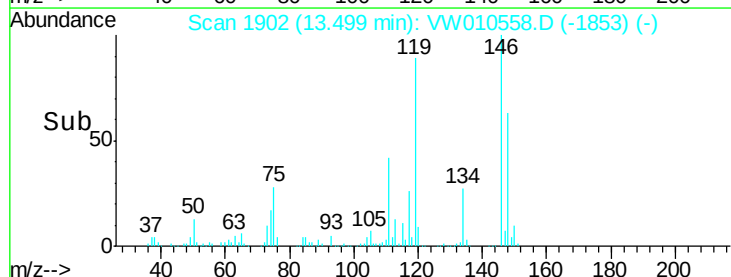
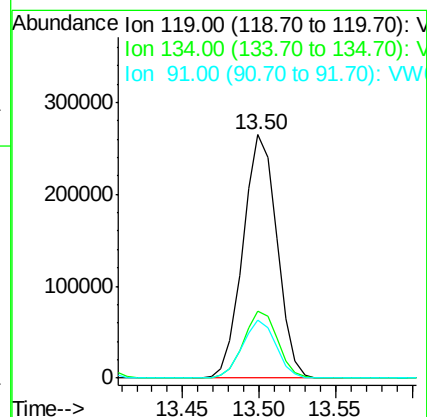
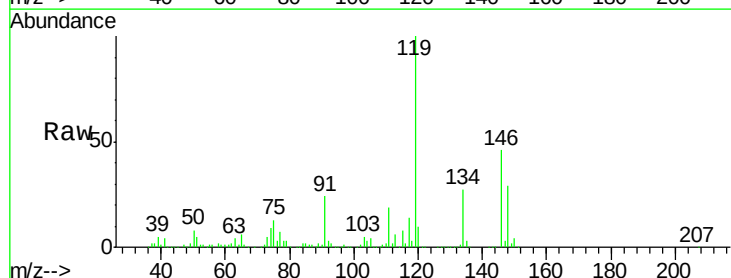
Tgt Ion:119 Resp: 408388

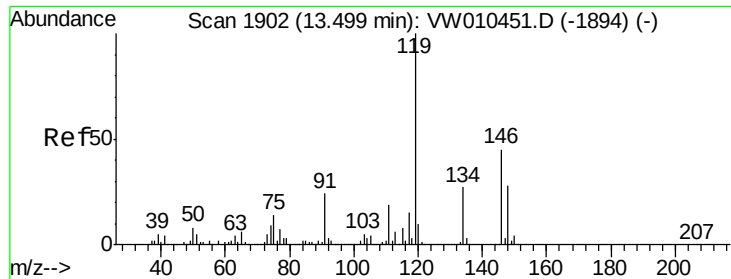
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 23.8 11.9 35.7





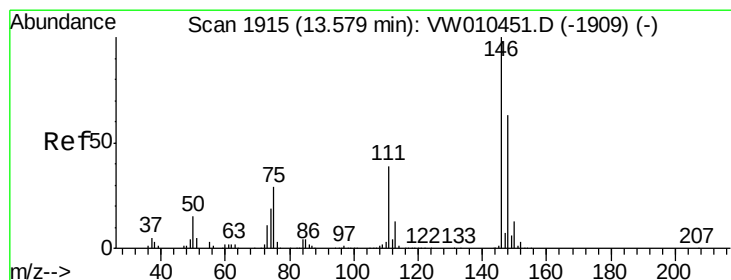
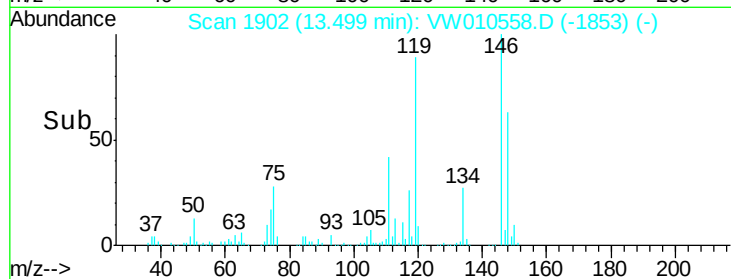
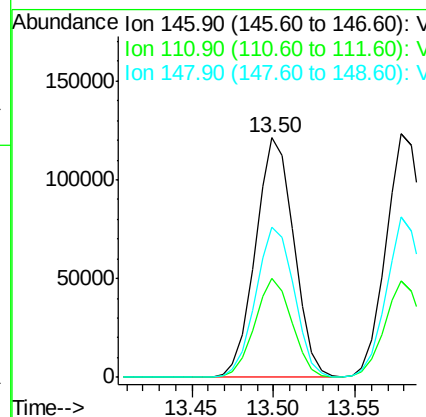
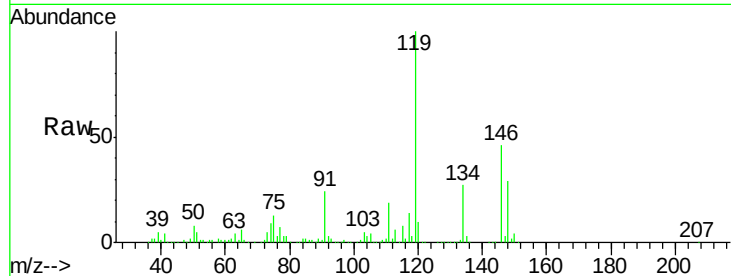
#87
 1,3-Dichlorobenzene
 Concen: 57.912 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198500		
111	40.2	20.3	60.9	
148	62.9	31.6	94.8	

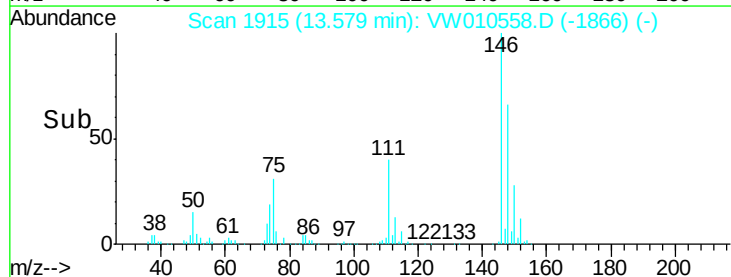
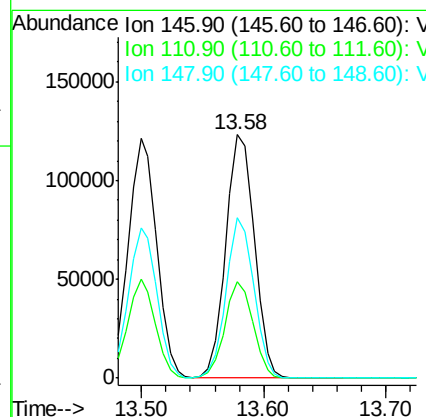
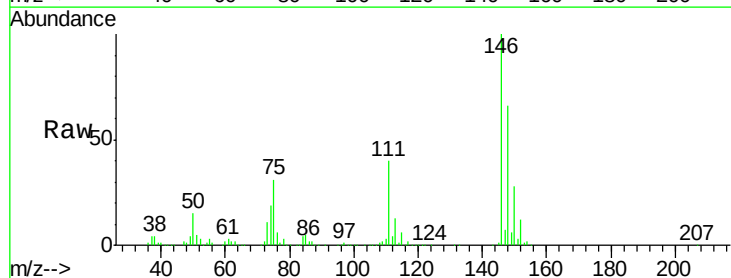
Manual Integrations
 APPROVED

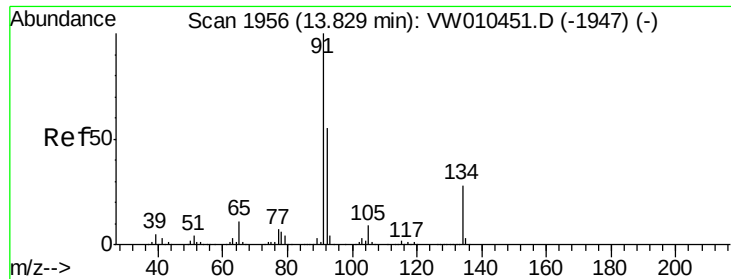
MMDadoda
 5/28/2019 12:01:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 58.203 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	200160		
111	39.4	19.9	59.6	
148	63.7	31.6	94.8	





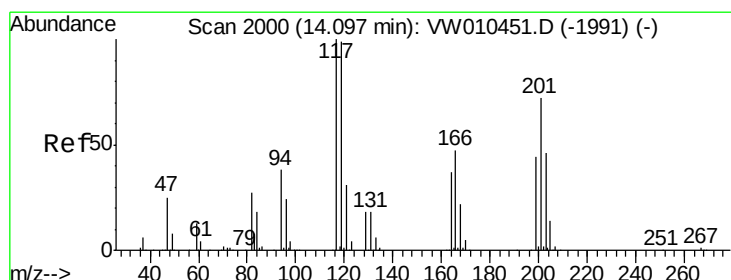
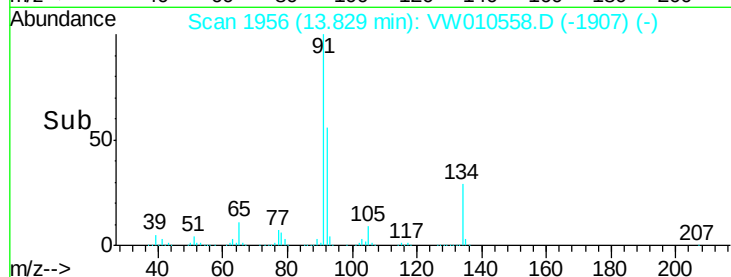
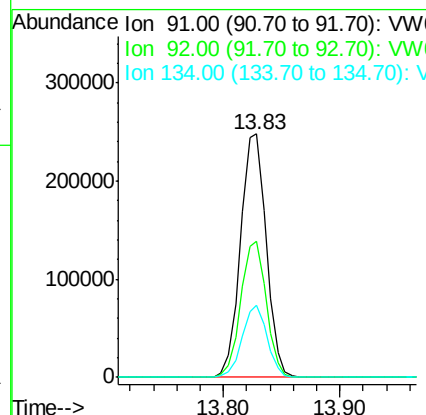
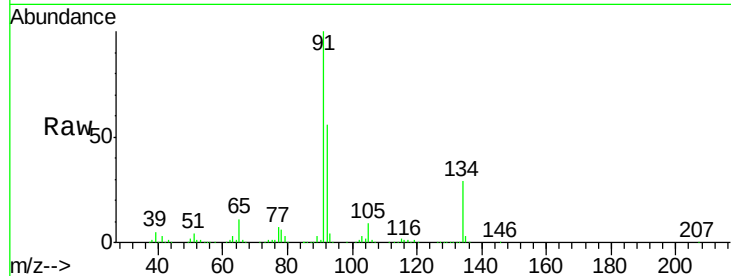
#89
n-Butylbenzene
Concen: 55.058 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.4	27.7	83.1	
134	28.5	13.9	41.6	

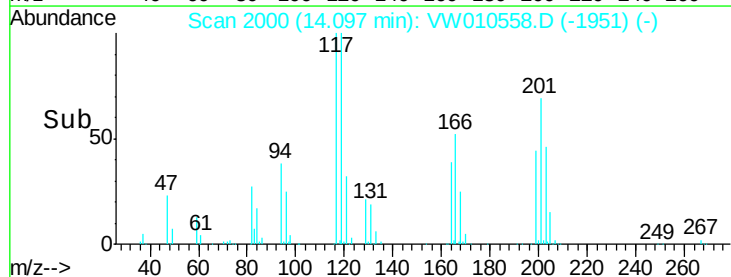
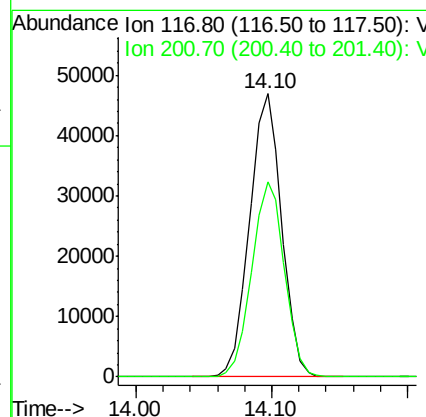
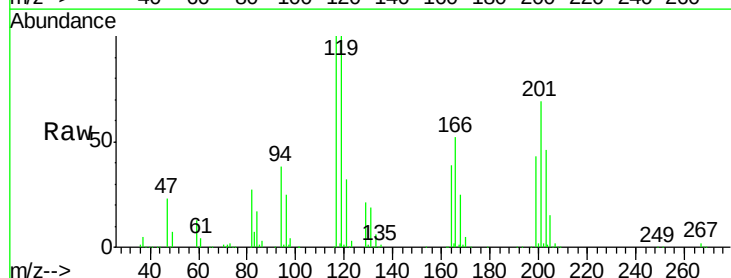
Manual Integrations
APPROVED

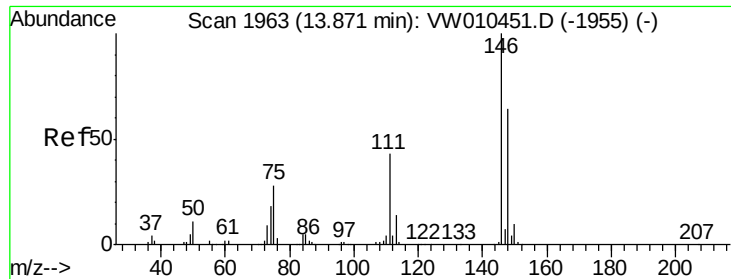
MMDadoda
5/28/2019 12:01:28 PM



#90
Hexachloroethane
Concen: 54.589 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	70.5	34.6	103.8	





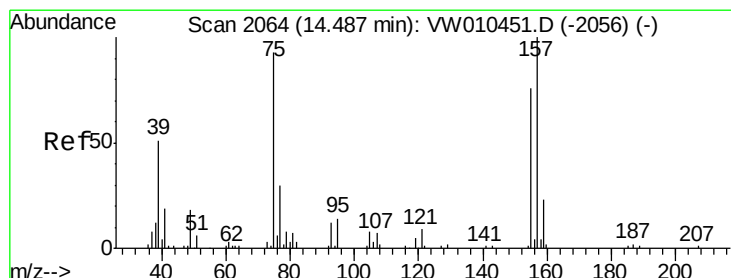
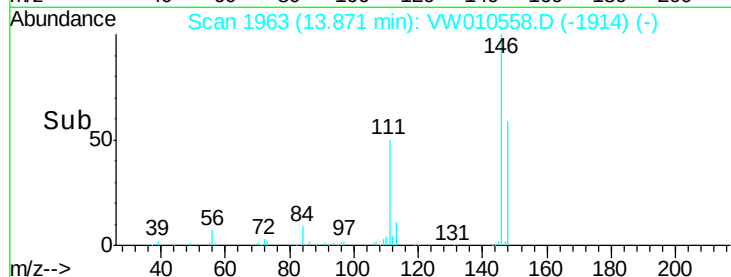
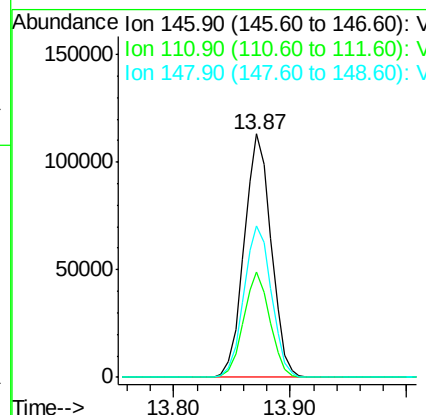
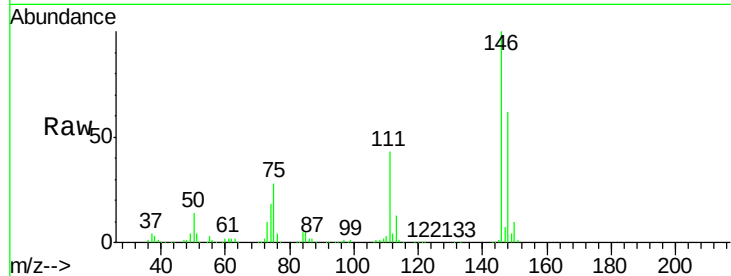
#91
 1,2-Dichlorobenzene
 Concen: 58.594 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	63.4	32.0	96.0

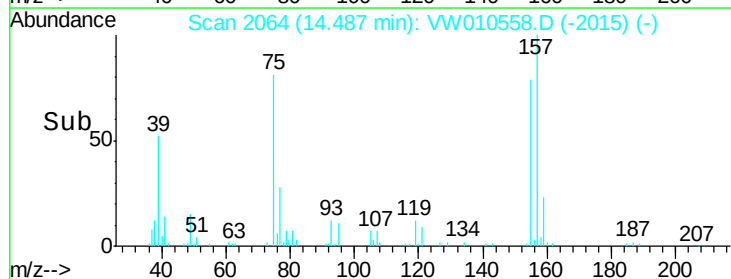
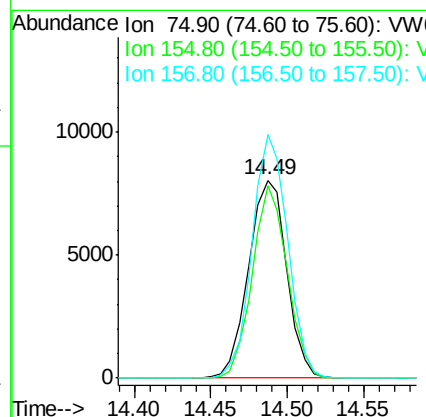
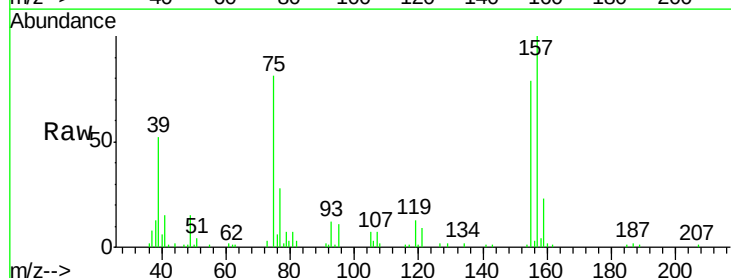
Manual Integrations
 APPROVED

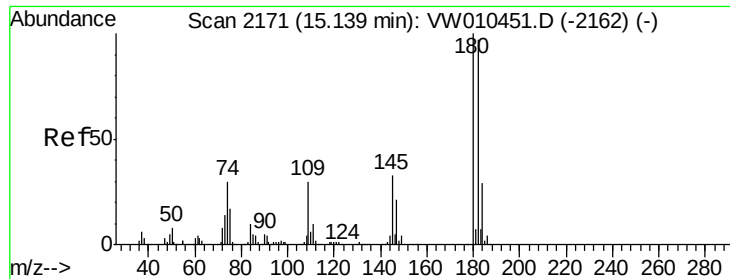
MMDadoda
 5/28/2019 12:01:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.637 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	43.0	129.0
157	115.3	55.7	167.1





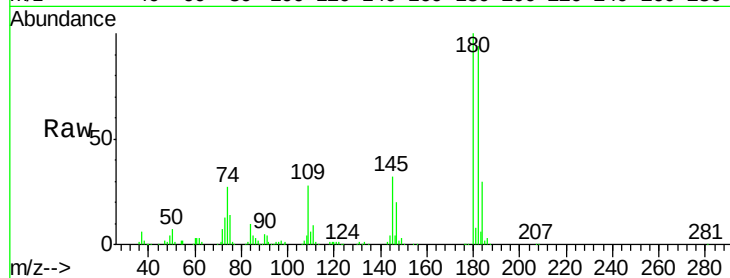
#93
 1,2,4-Trichlorobenzene
 Concen: 60.844 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

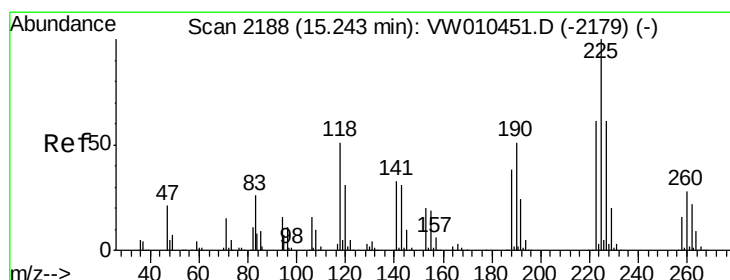
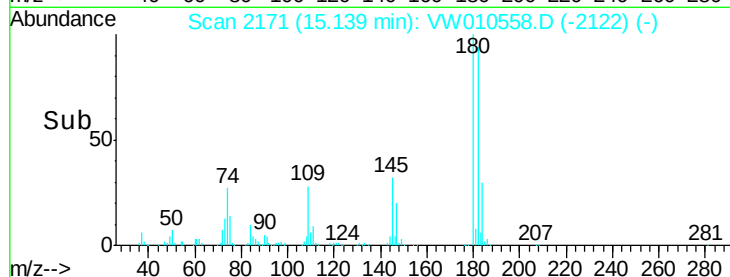
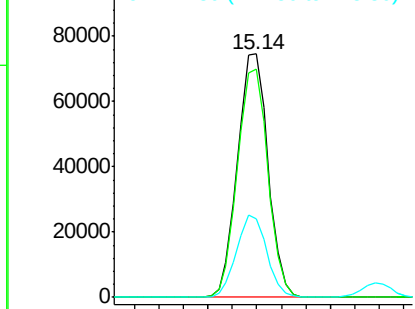
Tot Ion	Ratio	Resp	Lower	Upper
180	100	129288		
182	93.7	47.0	141.2	
145	33.4	16.7	50.0	

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 12:01:28 PM

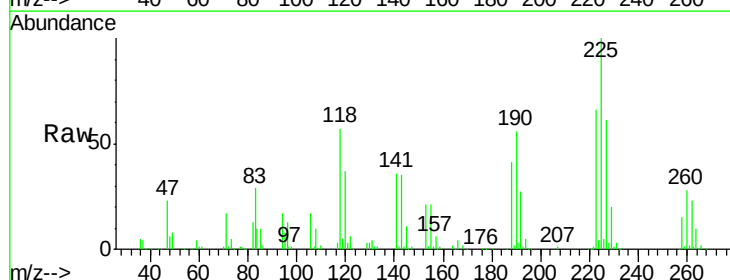


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

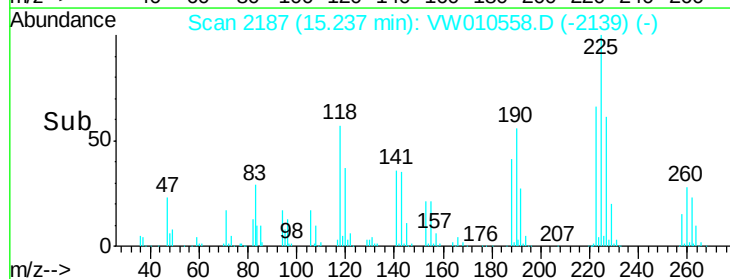
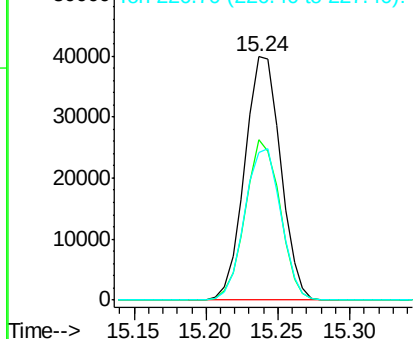


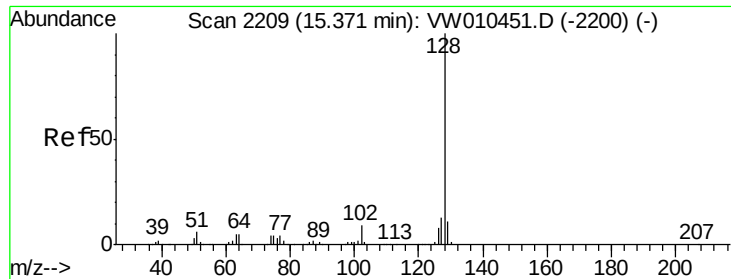
#94
 Hexachlorobutadiene
 Concen: 60.575 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010558.D
 Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68764		
223	63.5	31.1	93.2	
227	62.8	31.1	93.5	



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





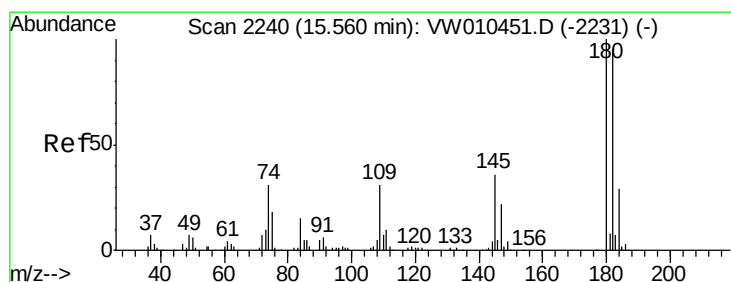
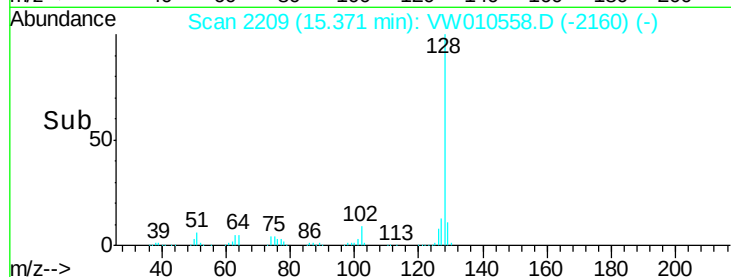
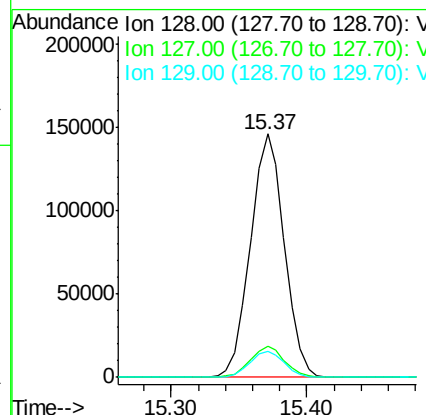
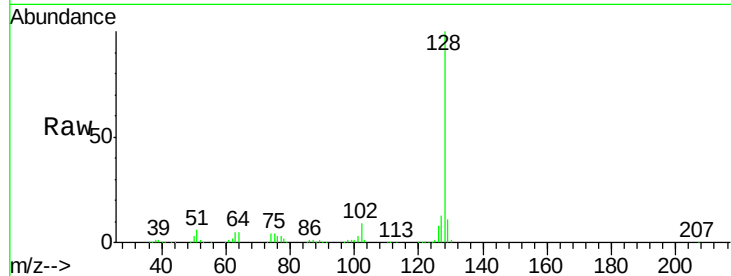
#95
Naphthalene
Concen: 57.188 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	255085		
127	12.9		10.6	15.8
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 12:01:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 60.543 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010558.D
Acq: 24 May 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	110698		
182	93.8		47.1	141.3
145	35.2		17.4	52.3

