

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013007.D
 Acq On : 14 Sep 2019 21:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:37 AM

Quant Time: Sep 16 07:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	160852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127124	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	7.88	113	104931	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.32	98	424404	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
62) 4-Bromofluorobenzene	12.62	95	148331	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49729	51.774	ug/l	99
3) Chloromethane	2.21	50	64466	53.568	ug/l	98
4) Vinyl Chloride	2.36	62	88151	48.926	ug/l	98
5) Bromomethane	2.76	94	49900	45.352	ug/l	97
6) Chloroethane	2.90	64	54478	49.300	ug/l	99
7) Trichlorofluoromethane	3.25	101	57059	45.288	ug/l	88
8) Diethyl Ether	3.68	74	52763	53.632	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97491	51.018	ug/l	99
10) Methyl Iodide	4.26	142	118713	49.640	ug/l	98
11) Tert butyl alcohol	5.20	59	50802	330.626	ug/l	99
12) 1,1-Dichloroethene	4.03	96	86648	49.870	ug/l	92
13) Acrolein	3.89	56	44910	262.393	ug/l	99
14) Allyl chloride	4.65	41	165042	50.035	ug/l	98
15) Acrylonitrile	5.37	53	154360	307.205	ug/l	99
16) Acetone	4.12	43	134562	268.170	ug/l	99
17) Carbon Disulfide	4.38	76	160488	46.350	ug/l	100
18) Methyl Acetate	4.67	43	83779	63.254	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	194944	56.839	ug/l	96
20) Methylene Chloride	4.91	84	100022	53.632	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	93497	50.242	ug/l	98
22) Diisopropyl ether	6.31	45	370070	54.006	ug/l	99
23) Vinyl Acetate	6.25	43	1153614	281.081	ug/l	97
24) 1,1-Dichloroethane	6.21	63	199477	50.489	ug/l	98
25) 2-Butanone	7.17	43	220100	297.743	ug/l	99
26) 2,2-Dichloropropane	7.17	77	116790	46.254	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	114188	51.253	ug/l	97
28) Bromochloromethane	7.51	49	89230	53.658	ug/l	98
29) Tetrahydrofuran	7.52	42	135751	322.297	ug/l	100
30) Chloroform	7.67	83	202379	50.413	ug/l	100
31) Cyclohexane	7.95	56	161312	54.799	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	164075	49.630	ug/l	99
36) 1,1-Dichloropropene	8.08	75	149269	51.831	ug/l	99
37) Ethyl Acetate	7.25	43	92377	60.431	ug/l	98
38) Carbon Tetrachloride	8.07	117	148165	50.203	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013007.D
 Acq On : 14 Sep 2019 21:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:37 AM

Quant Time: Sep 16 07:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	165128	52.326	ug/l	97
40) Benzene	8.32	78	414519	51.559	ug/l	99
41) Methacrylonitrile	7.48	41	58183	57.798	ug/l	96
42) 1,2-Dichloroethane	8.40	62	143449	53.226	ug/l	99
43) Isopropyl Acetate	8.42	43	179754	61.244	ug/l	98
44) Trichloroethene	9.09	130	112924	51.279	ug/l	94
45) 1,2-Dichloropropane	9.37	63	113999	53.369	ug/l	98
46) Dibromomethane	9.46	93	57276	55.968	ug/l	98
47) Bromodichloromethane	9.64	83	149758	52.170	ug/l	99
48) Methyl methacrylate	9.43	41	84013	60.991	ug/l	99
49) 1,4-Dioxane	9.46	88	21703	1265.629	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	482425	318.372	ug/l	99
52) Toluene	10.38	92	267573	52.375	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	151219	52.380	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	172393	52.189	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	87680	56.241	ug/l	97
56) Ethyl methacrylate	10.65	69	127812	60.907	ug/l	99
57) 1,3-Dichloropropane	10.93	76	155540	56.242	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	334623	297.263	ug/l	100
59) 2-Hexanone	10.97	43	329731	312.509	ug/l	99
60) Dibromochloromethane	11.13	129	101890	54.058	ug/l	96
61) 1,2-Dibromoethane	11.23	107	80981	56.941	ug/l	100
64) Tetrachloroethene	10.86	164	103415	55.551	ug/l	98
65) Chlorobenzene	11.66	112	289772	51.987	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	110027	51.510	ug/l	98
67) Ethyl Benzene	11.73	91	533954	51.868	ug/l	100
68) m/p-Xylenes	11.83	106	398007	105.834	ug/l	99
69) o-Xylene	12.16	106	189152	53.649	ug/l	99
70) Styrene	12.18	104	334491	53.332	ug/l	99
71) Bromoform	12.35	173	64668	57.637	ug/l #	99
73) Isopropylbenzene	12.46	105	549375	51.528	ug/l	100
74) N-amyl acetate	12.27	43	161577	58.913	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109626	58.542	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	87646m	62.207	ug/l	
77) Bromobenzene	12.74	156	127038	51.722	ug/l	99
78) n-propylbenzene	12.80	91	647596	51.637	ug/l	100
79) 2-Chlorotoluene	12.89	91	367768	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	463068	51.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33971	54.696	ug/l	98
82) 4-Chlorotoluene	12.99	91	383125	50.366	ug/l	99
83) tert-Butylbenzene	13.21	119	416673	51.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	455660	51.123	ug/l	97
85) sec-Butylbenzene	13.38	105	568821	51.748	ug/l	100
86) p-Isopropyltoluene	13.49	119	522106	51.735	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	241061	49.578	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	244273	51.123	ug/l	100
89) n-Butylbenzene	13.82	91	487345	51.205	ug/l	99
90) Hexachloroethane	14.09	117	90503	50.043	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	220223	51.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19673	57.395	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013007.D
Acq On : 14 Sep 2019 21:05
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM

Quant Time: Sep 16 07:53:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	162094	53.156	ug/l	99
94) Hexachlorobutadiene	15.23	225	108703	50.355	ug/l	100
95) Naphthalene	15.36	128	314346	61.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	147052	54.552	ug/l	99

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

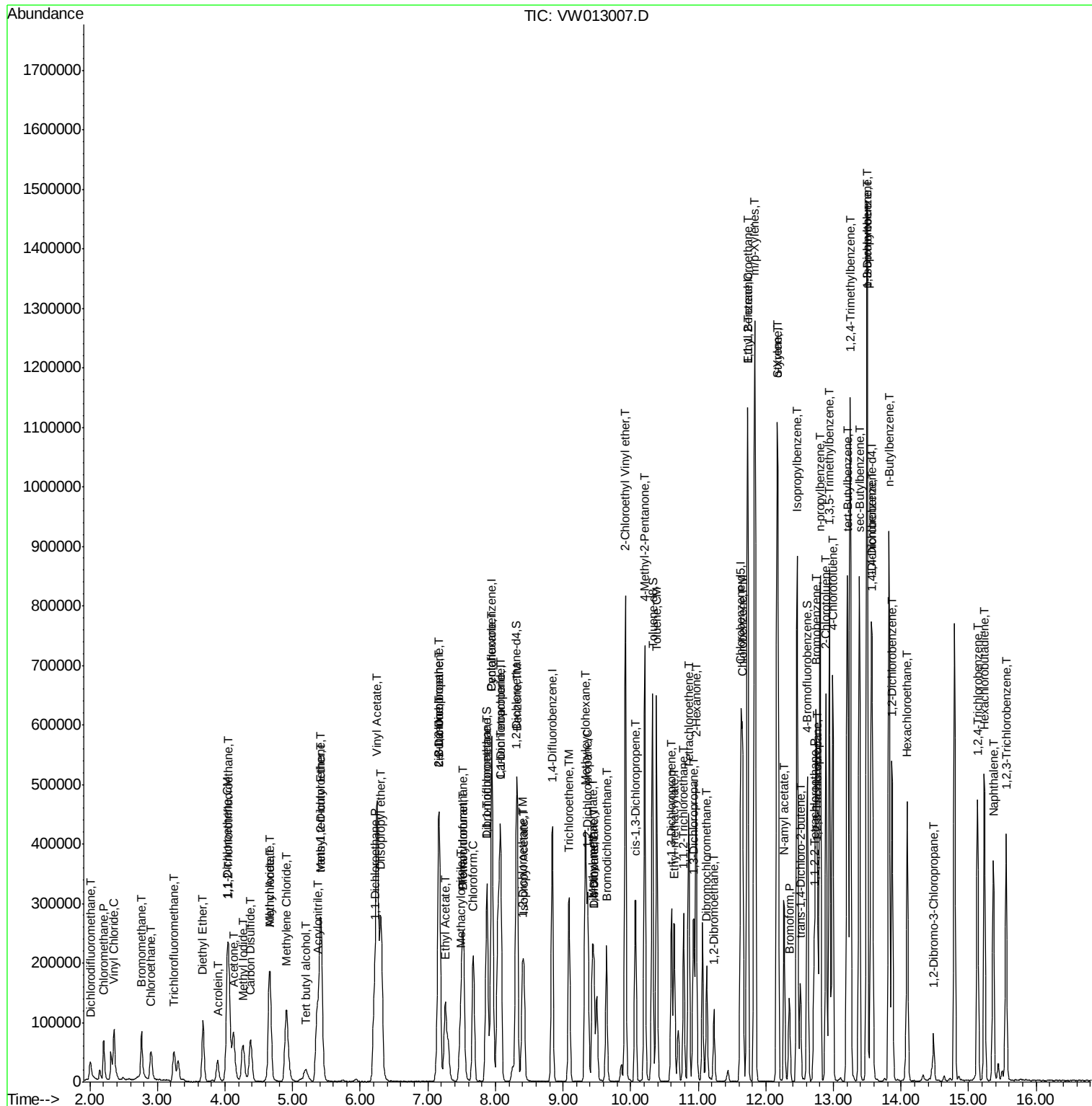
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013007.D
Acq On : 14 Sep 2019 21:05
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

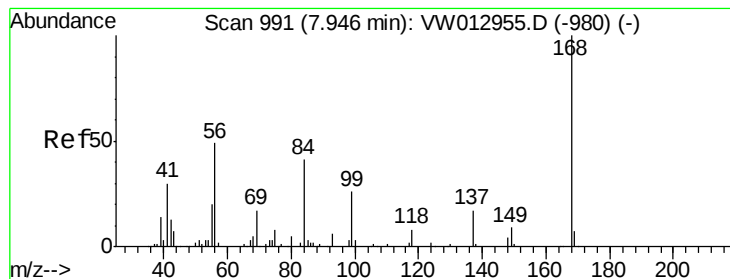
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM

Quant Time: Sep 16 07:53:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 251717

Ion Ratio Lower Upper

168 100

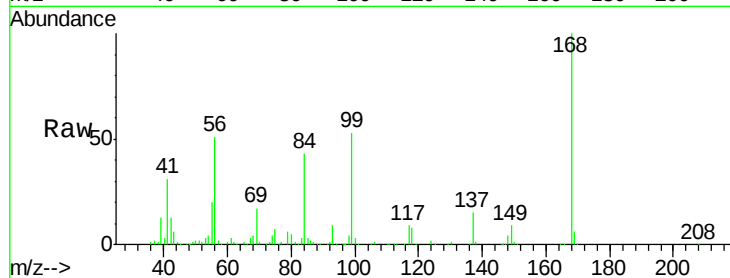
99 52.6 46.2 69.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

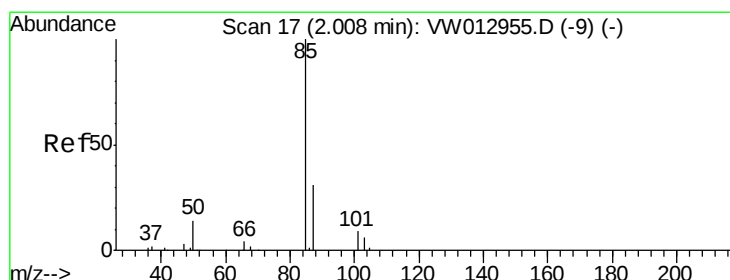
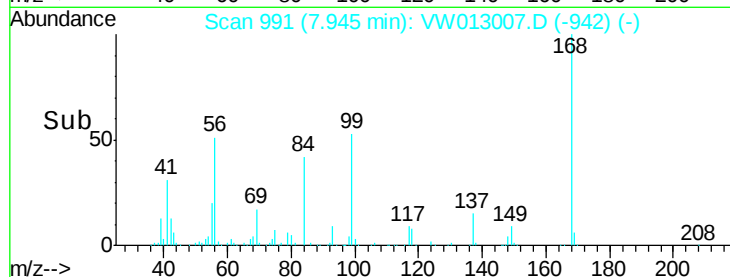
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.774 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013007.D

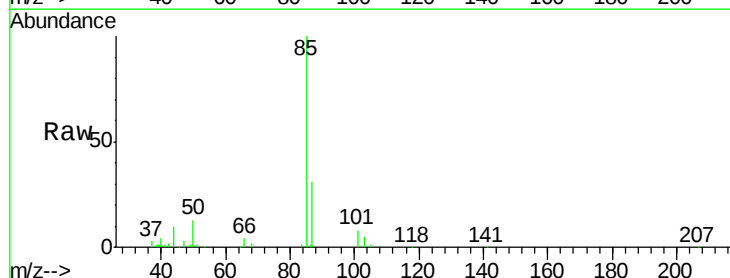
Acq: 14 Sep 2019 21:05

Tgt Ion: 85 Resp: 49729

Ion Ratio Lower Upper

85 100

87 31.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

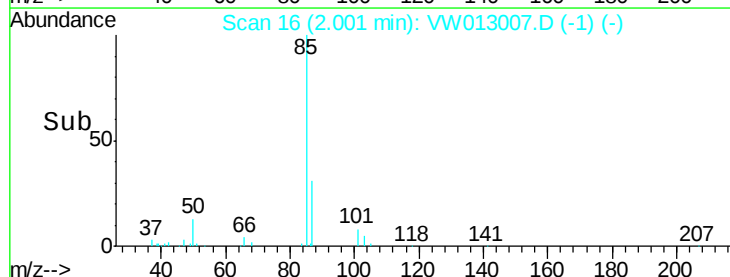
15000

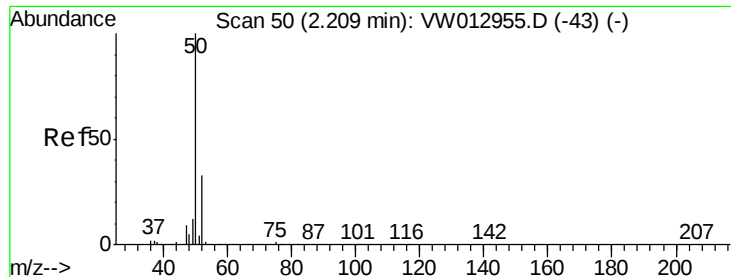
10000

5000

0

Time-->





#3

Chloromethane

Concen: 53.568 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 64466

Ion Ratio Lower Upper

50 100

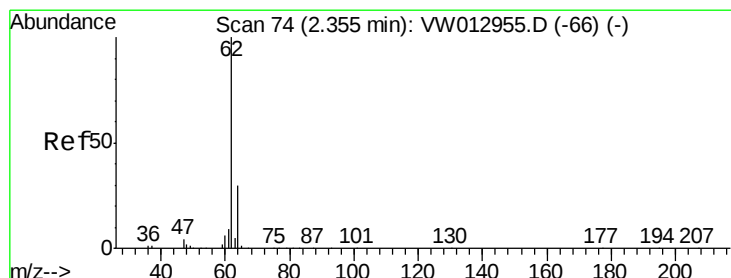
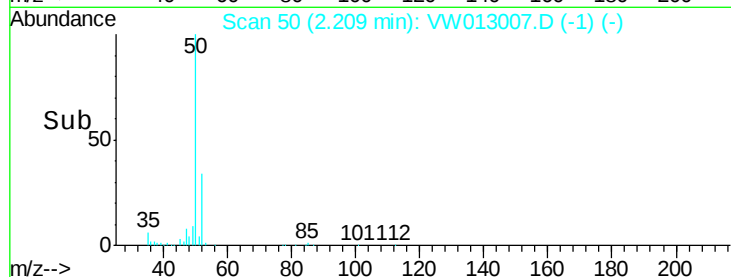
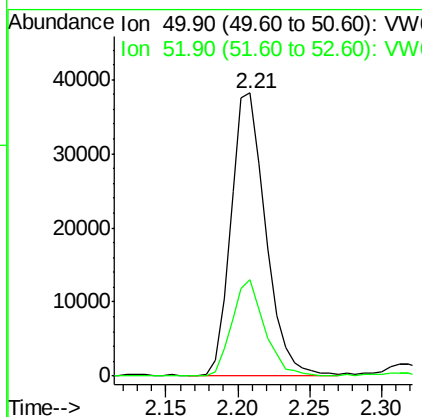
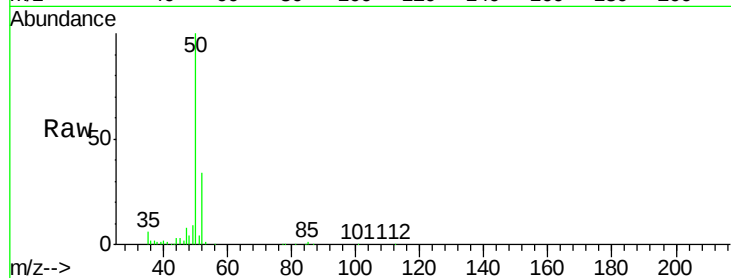
52 34.3 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#4

Vinyl Chloride

Concen: 48.926 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013007.D

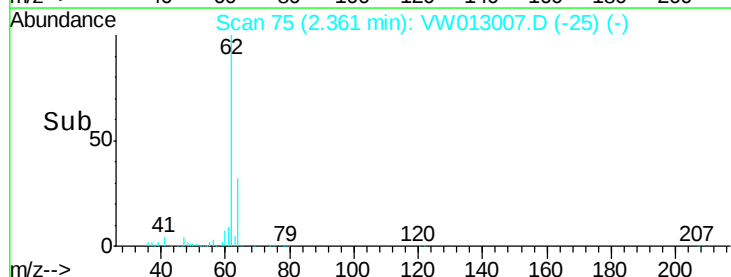
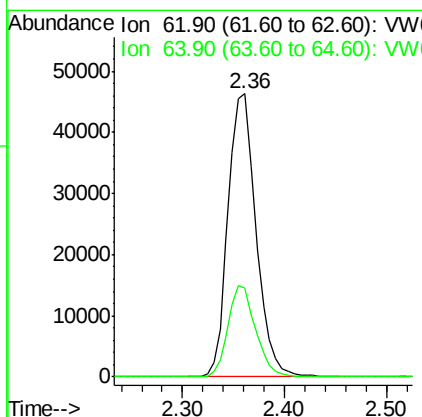
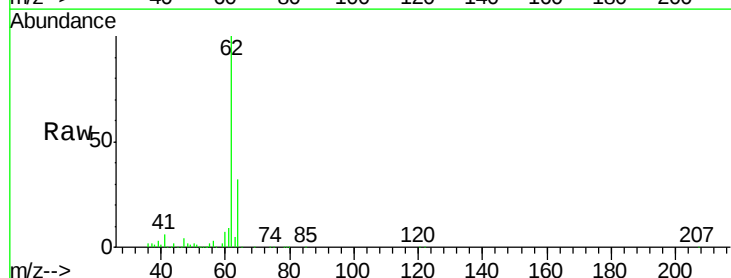
Acq: 14 Sep 2019 21:05

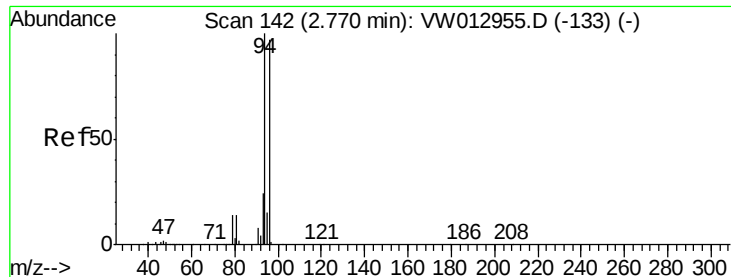
Tgt Ion: 62 Resp: 88151

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 45.352 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49900

Ion Ratio Lower Upper

94 100

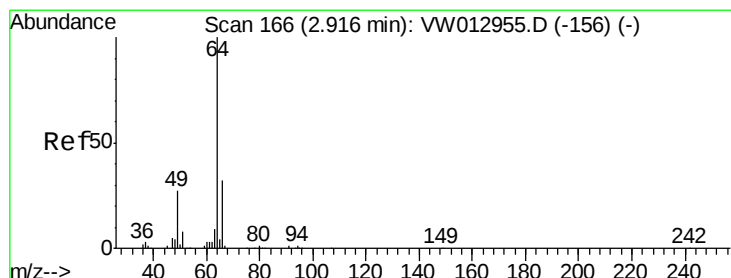
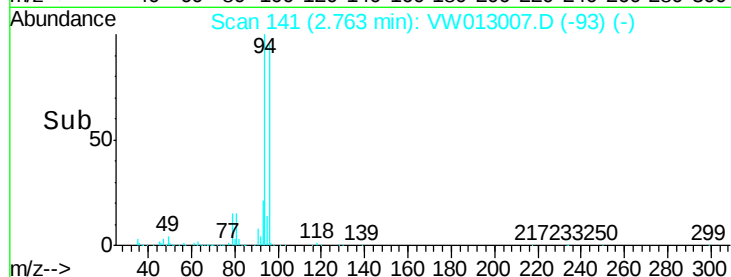
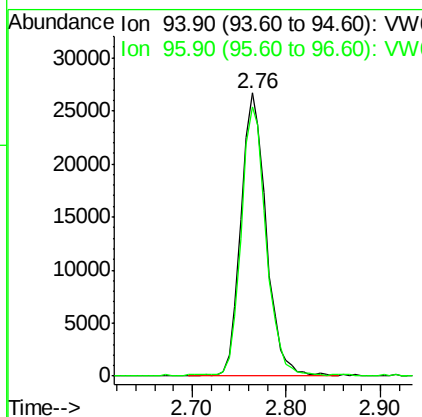
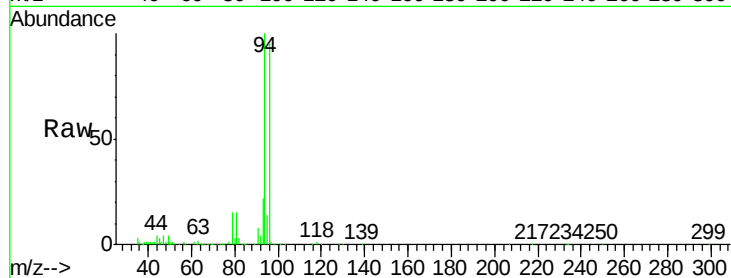
96 94.6 77.8 116.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#6

Chloroethane

Concen: 49.300 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013007.D

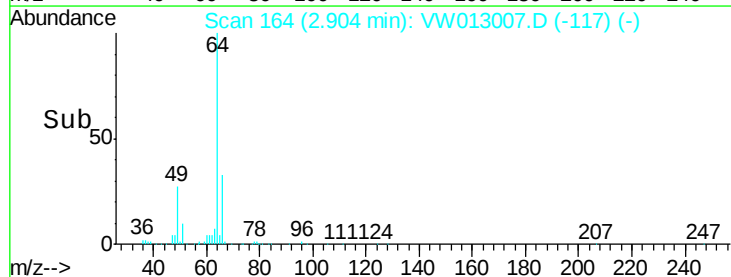
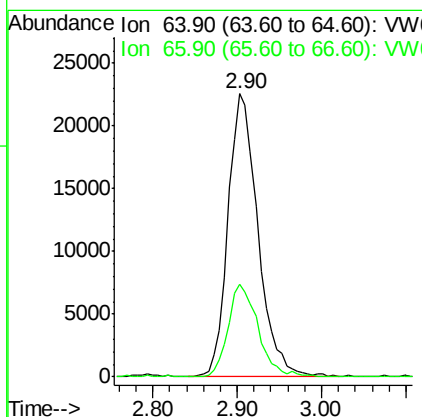
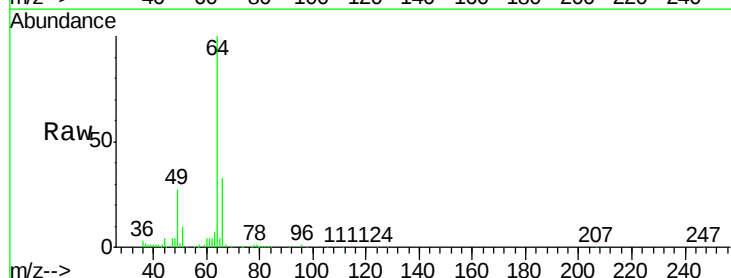
Acq: 14 Sep 2019 21:05

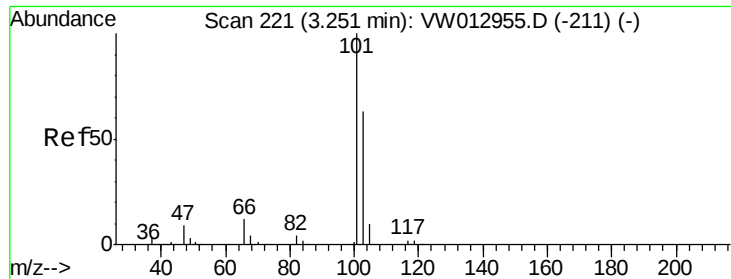
Tgt Ion: 64 Resp: 54478

Ion Ratio Lower Upper

64 100

66 32.9 25.9 38.9





#7

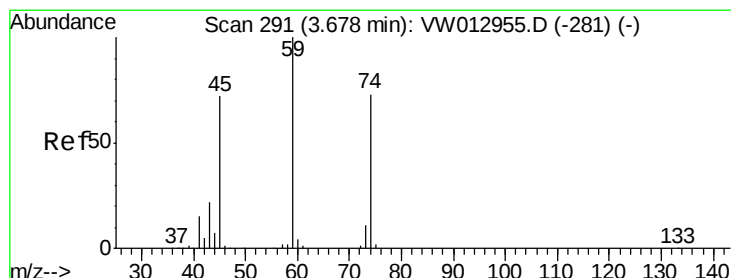
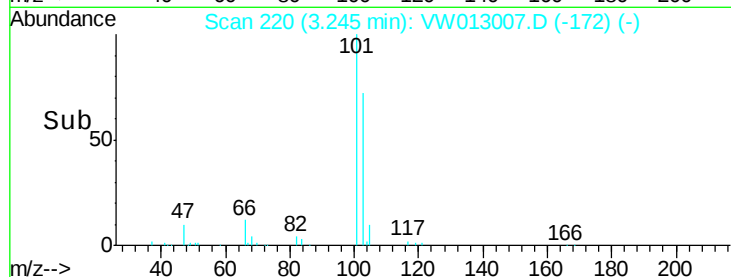
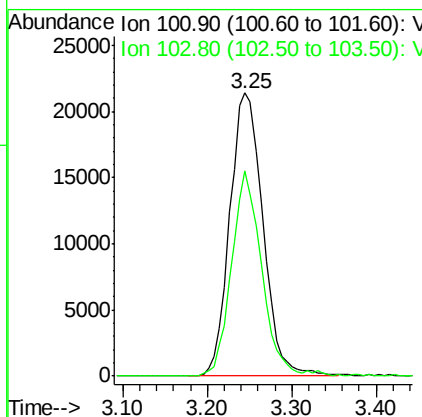
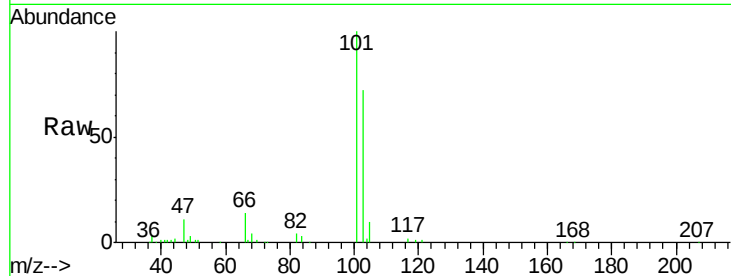
Trichlorofluoromethane
 Concen: 45.288 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.4	50.7	76.1

Manual Integrations
 APPROVED

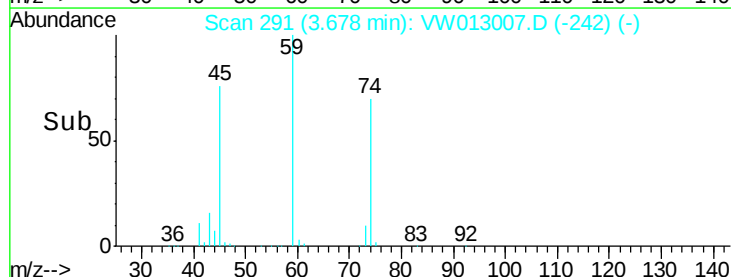
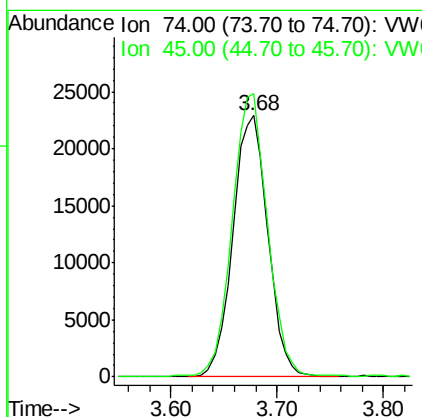
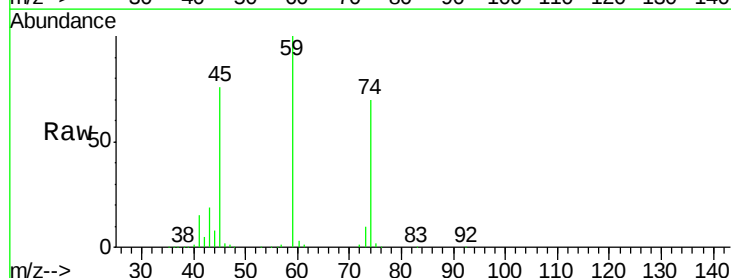
MMDadoda
 9/16/2019 11:14:37 AM

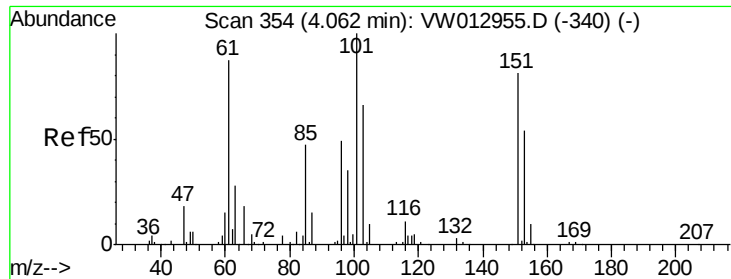


#8

Diethyl Ether
 Concen: 53.632 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.018 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

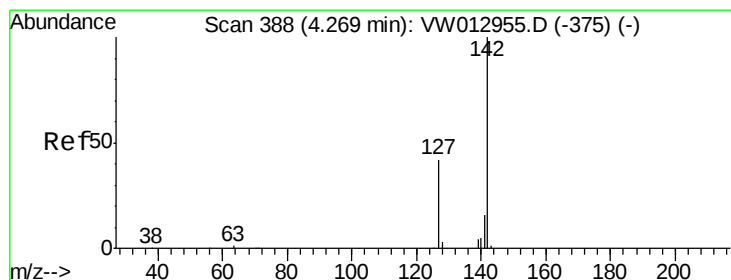
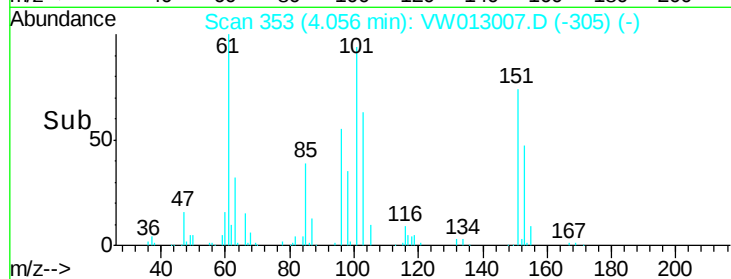
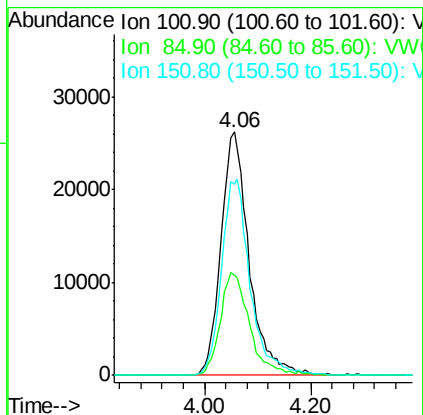
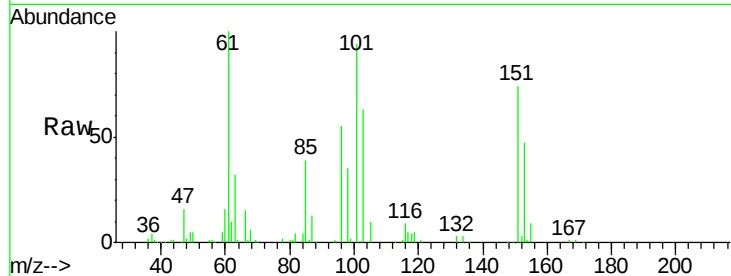
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97491
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.9	52.3
151	81.5	66.0	99.0

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#10

Methyl Iodide

Concen: 49.640 ug/l

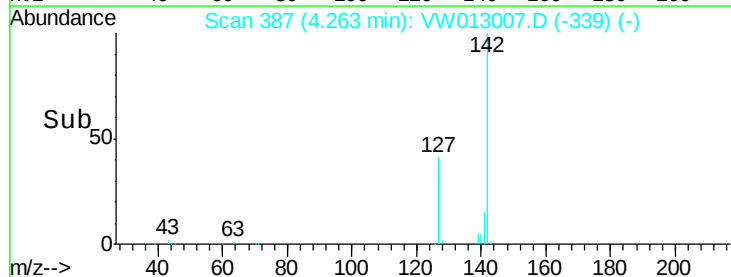
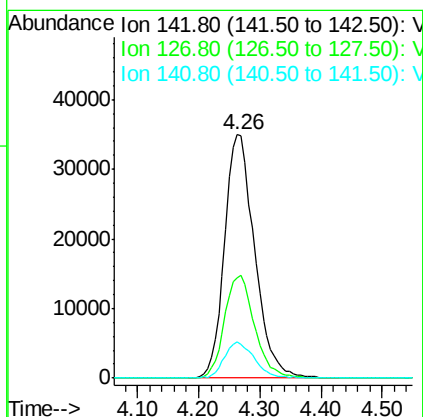
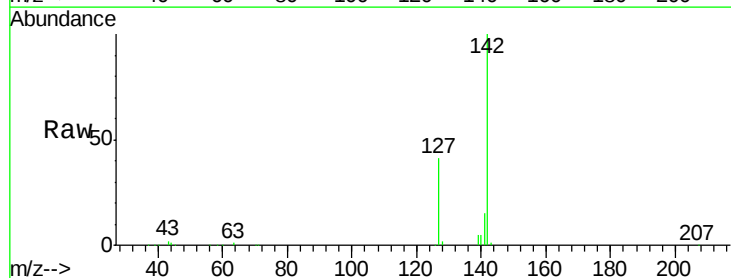
RT: 4.26 min Scan# 387

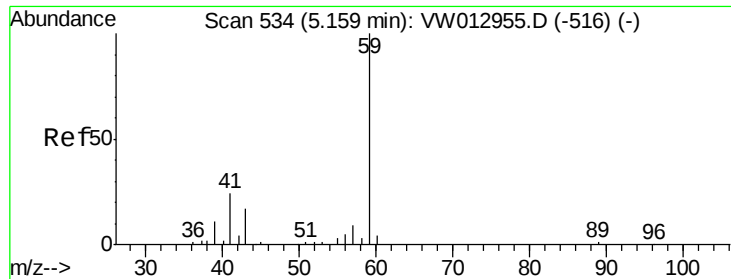
Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	142	Resp:	118713
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.7	52.1
141	14.8	12.2	18.2





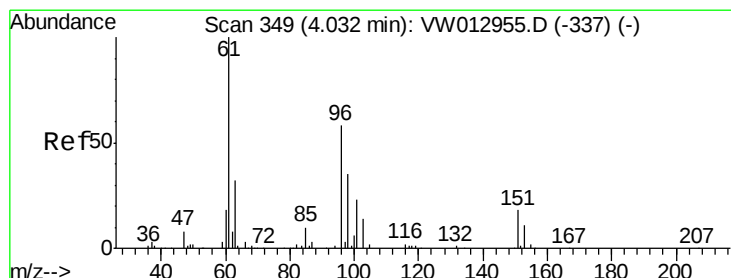
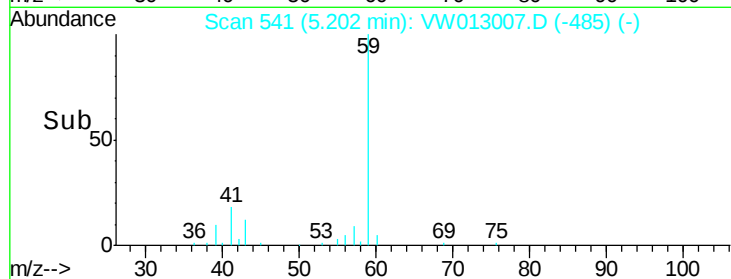
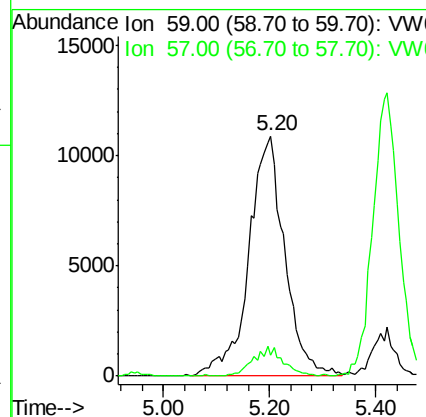
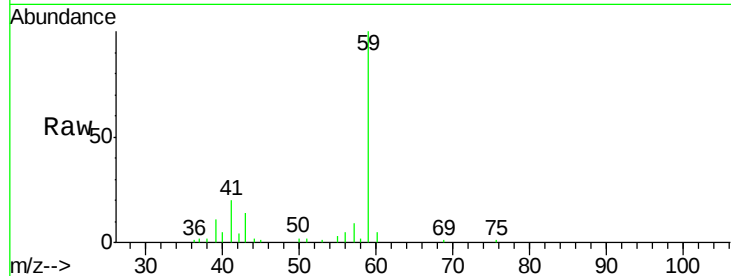
#11
Tert butyl alcohol
Concen: 330.626 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

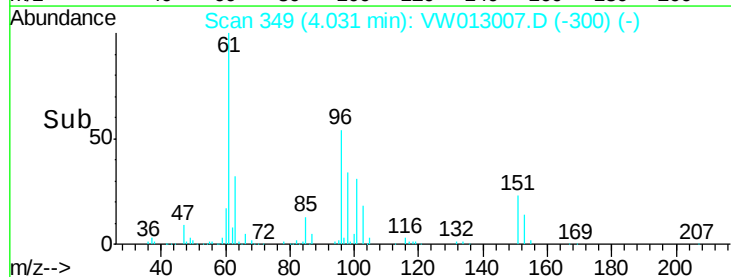
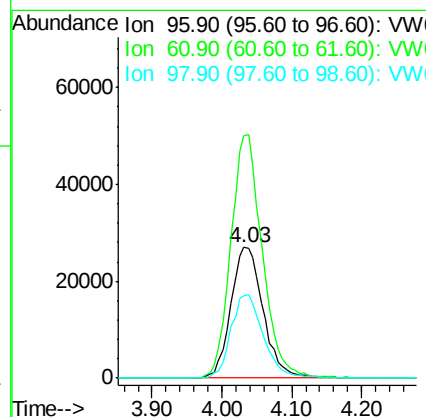
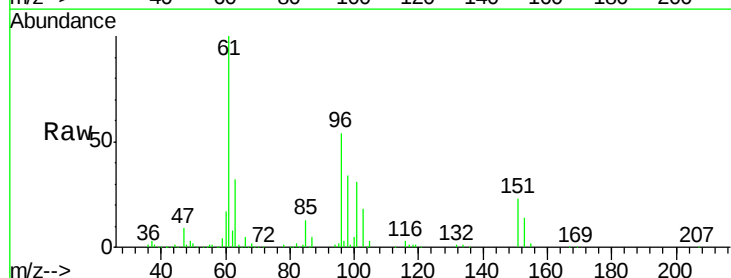
Manual Integrations
APPROVED

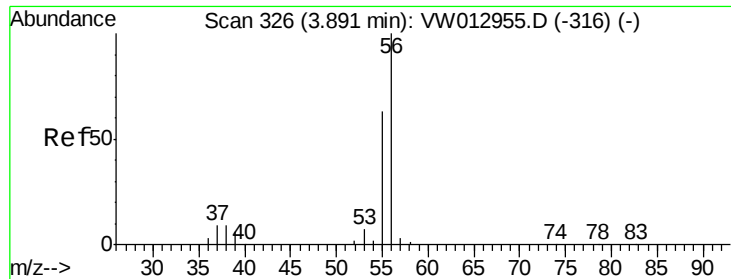
MMDadoda
9/16/2019 11:14:37 AM



#12
1,1-Dichloroethene
Concen: 49.870 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.4	137.9	206.9
98	62.8	48.9	73.3





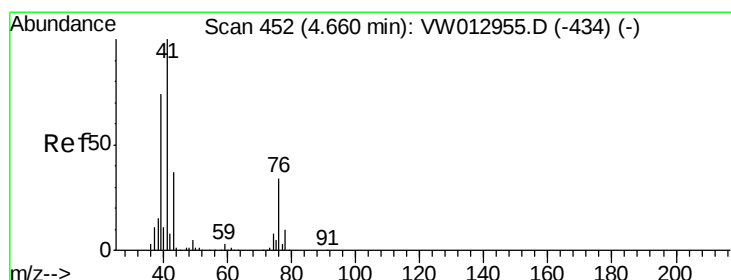
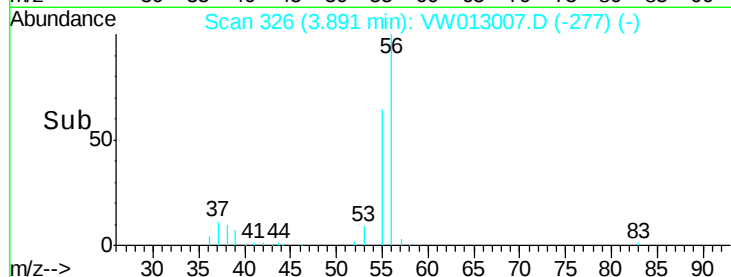
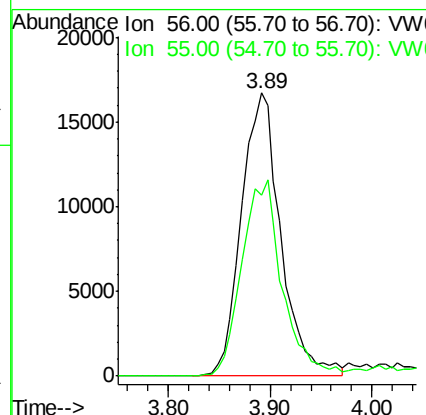
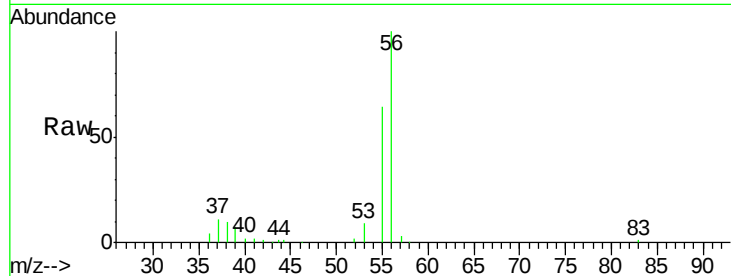
#13
Acrolein
Concen: 262.393 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.9	55.8	83.8

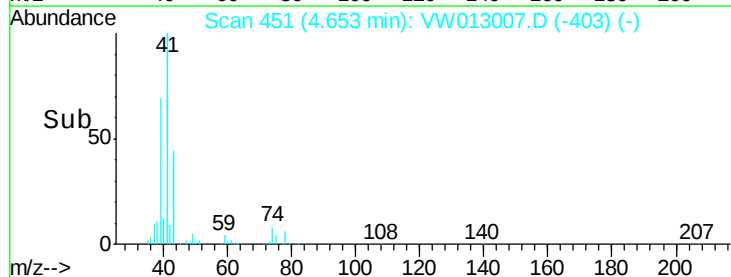
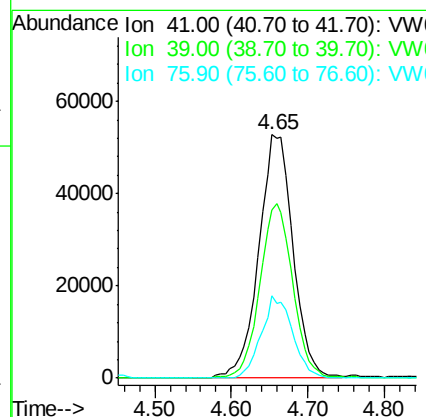
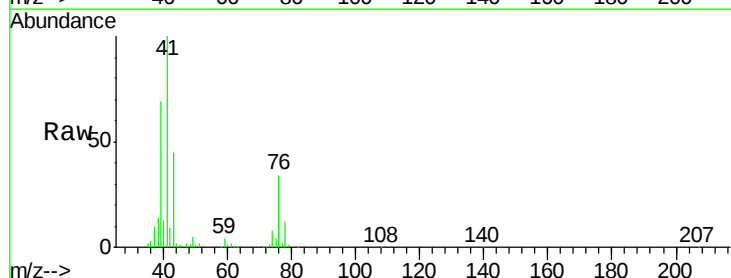
Manual Integrations
APPROVED

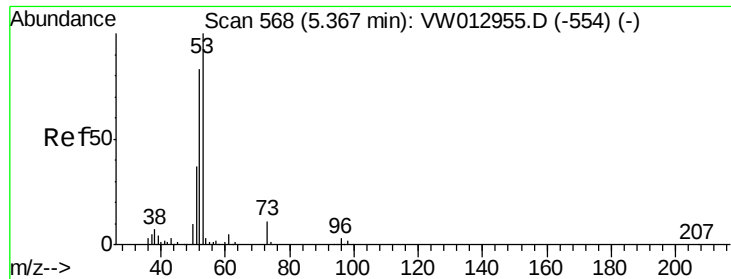
MMDadoda
9/16/2019 11:14:37 AM



#14
Allyl chloride
Concen: 50.035 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	68.6	56.7	85.1
76	76	31.0	25.1	37.7





#15

Acrylonitrile

Concen: 307.205 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

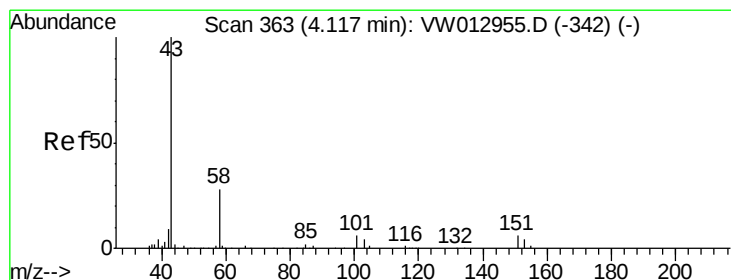
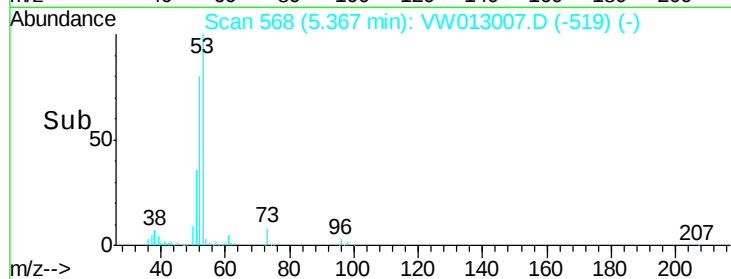
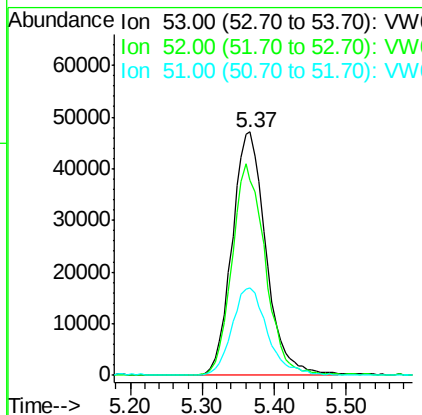
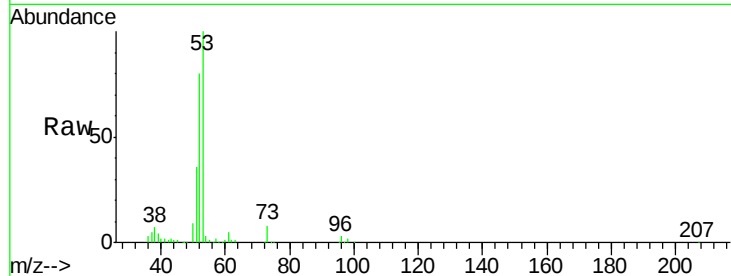
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	154360
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.6	100.0
51	37.8	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#16

Acetone

Concen: 268.170 ug/l

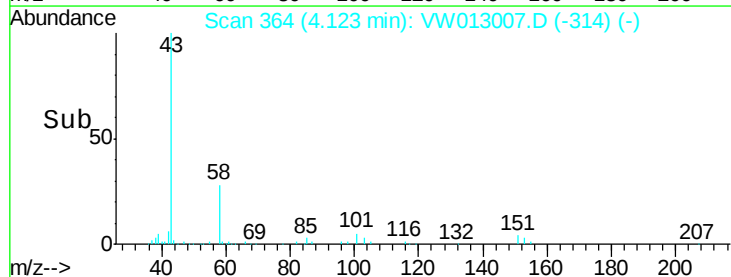
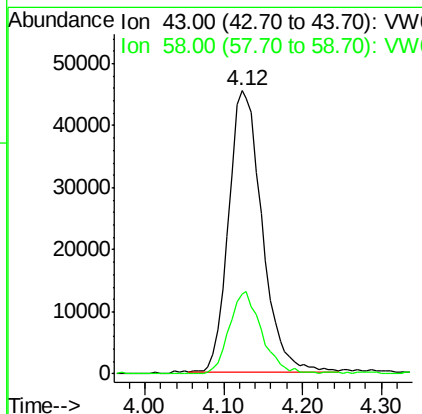
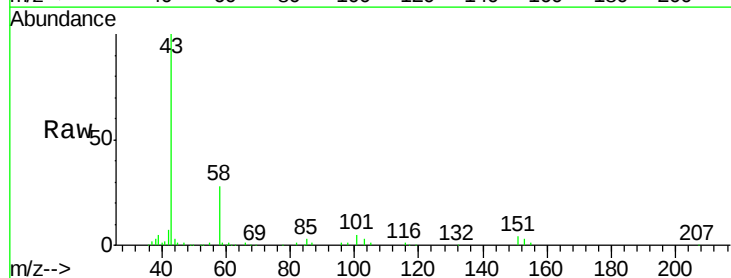
RT: 4.12 min Scan# 364

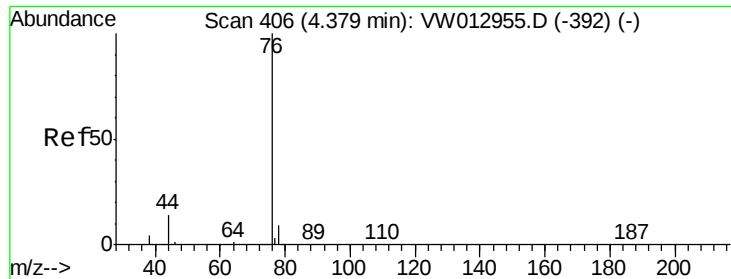
Delta R.T. 0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	43	Resp:	134562
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.3	33.5





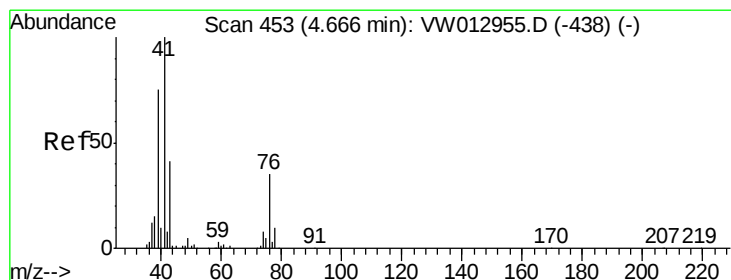
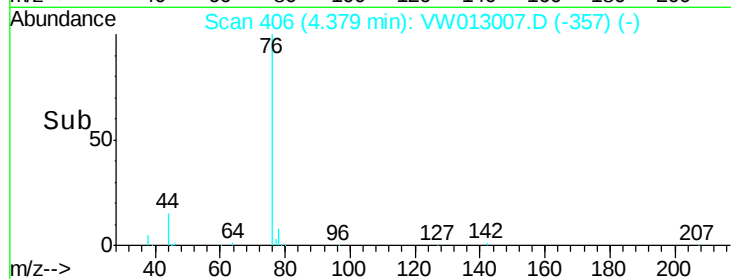
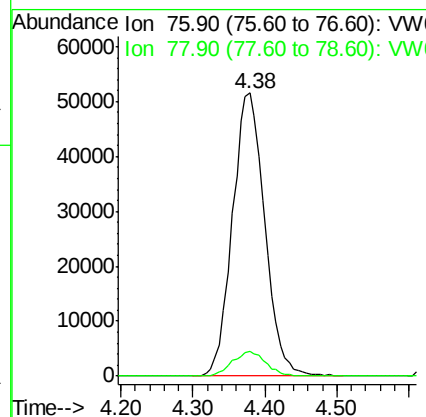
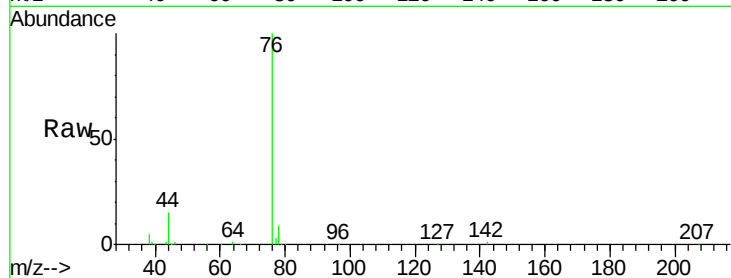
#17
Carbon Disulfide
Concen: 46.350 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

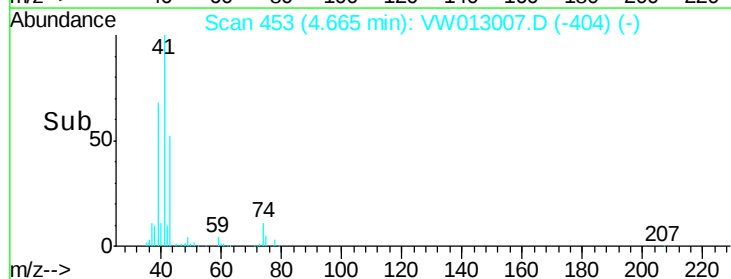
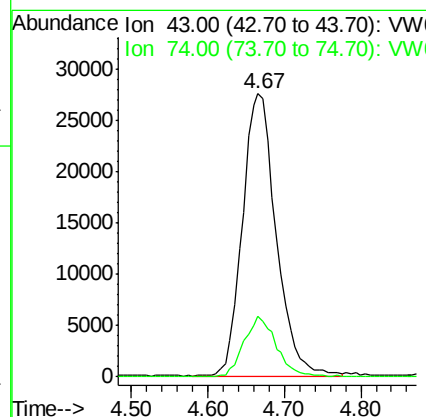
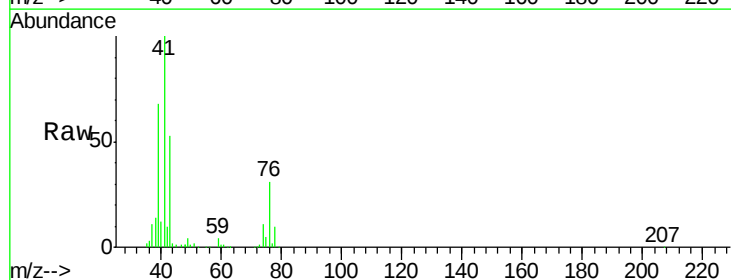
Manual Integrations
APPROVED

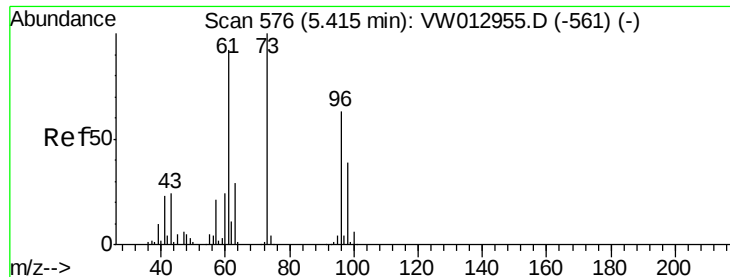
MMDadoda
9/16/2019 11:14:37 AM



#18
Methyl Acetate
Concen: 63.254 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.8	26.8





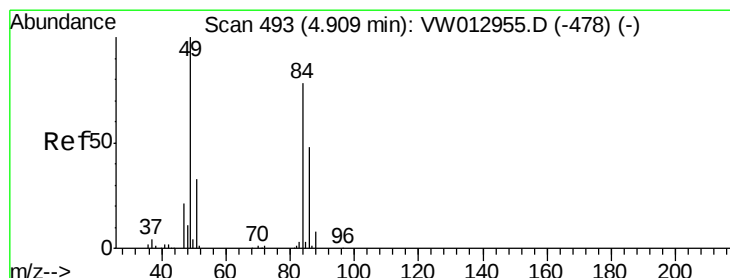
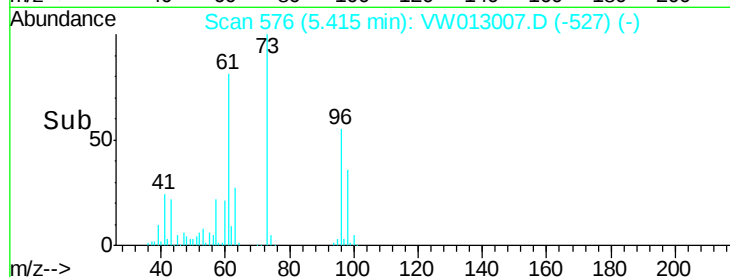
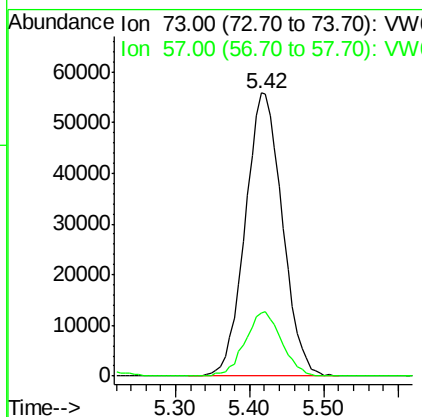
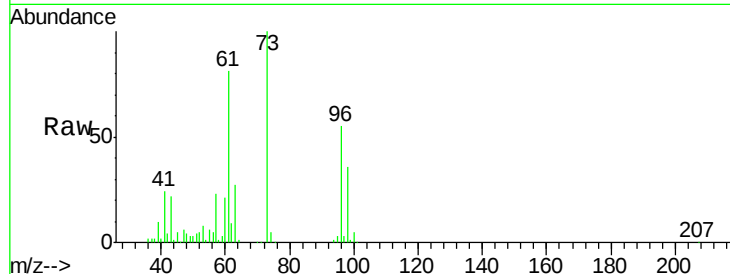
#19
Methvl tert-butvl Ether
Concen: 56.839 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 194944
Ion Ratio Lower Upper
73 100
57 22.5 16.4 24.6

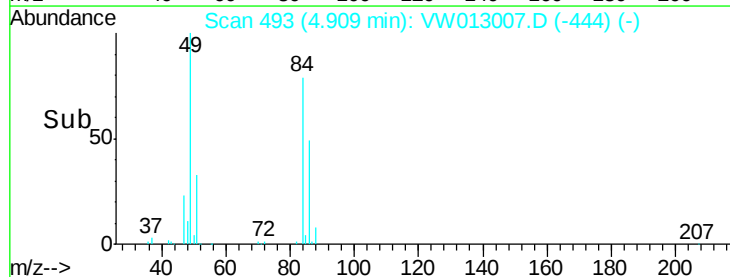
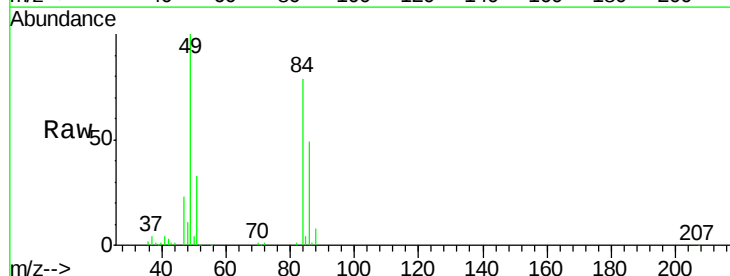
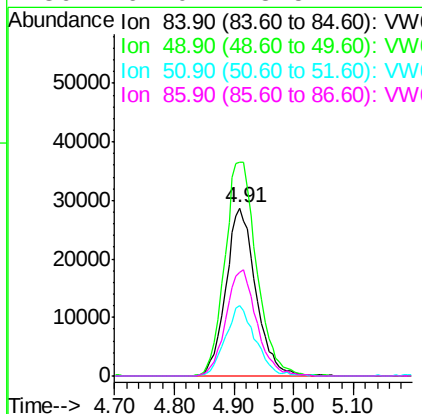
Manual Integrations
APPROVED

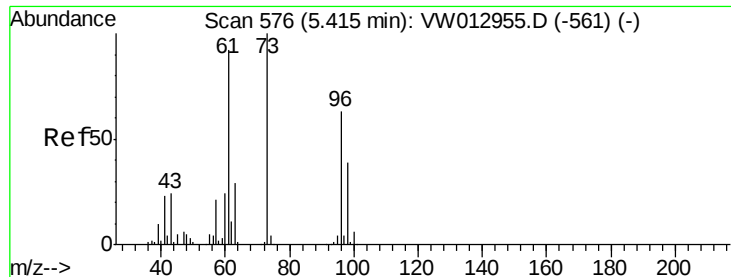
MMDadoda
9/16/2019 11:14:37 AM



#20
Methylene Chloride
Concen: 53.632 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 84 Resp: 100022
Ion Ratio Lower Upper
84 100
49 126.7 102.0 153.0
51 41.7 34.0 51.0
86 62.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.242 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

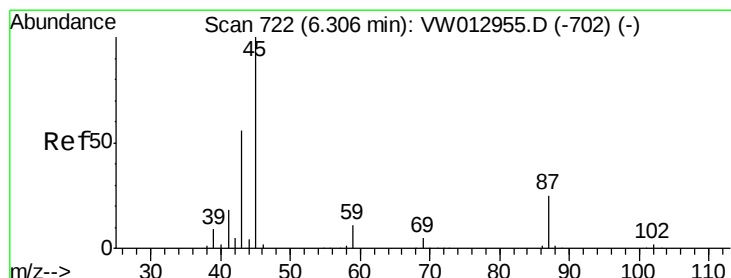
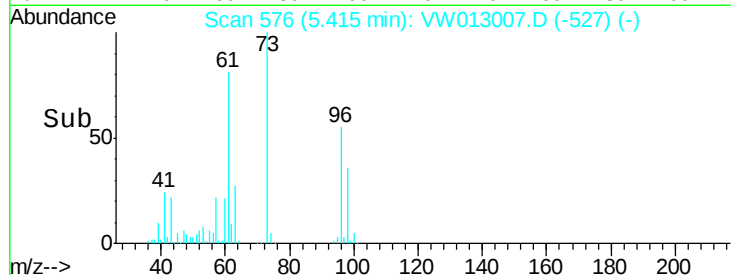
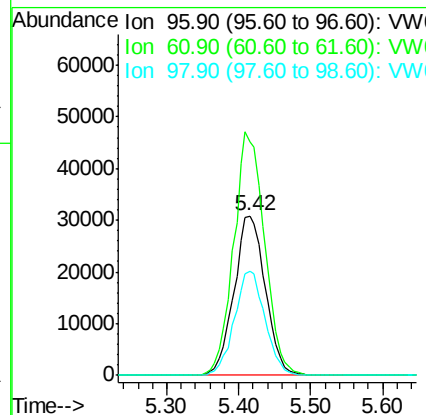
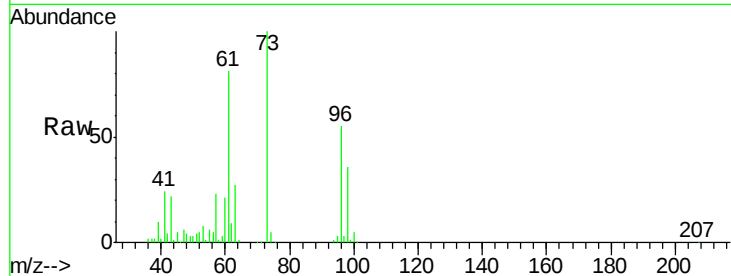
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	93497
Ion	Ratio	Lower	Upper
96	100		
61	146.7	116.2	174.2
98	65.5	49.8	74.6

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#22

Diisopropyl ether

Concen: 54.006 ug/l

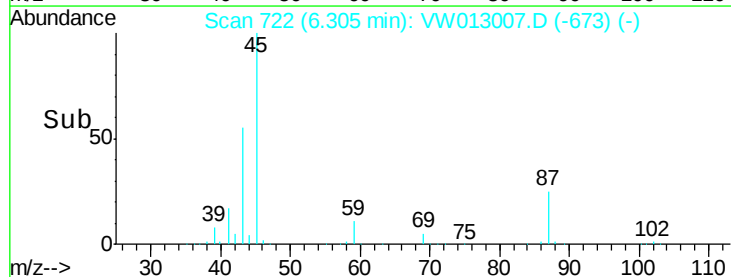
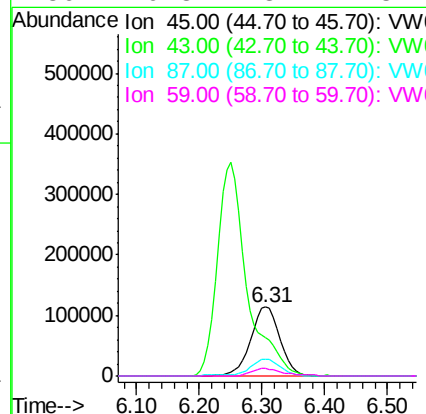
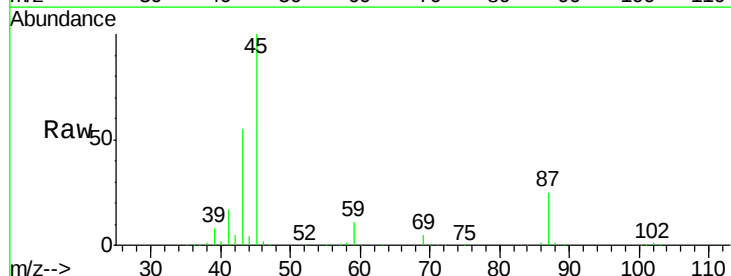
RT: 6.31 min Scan# 722

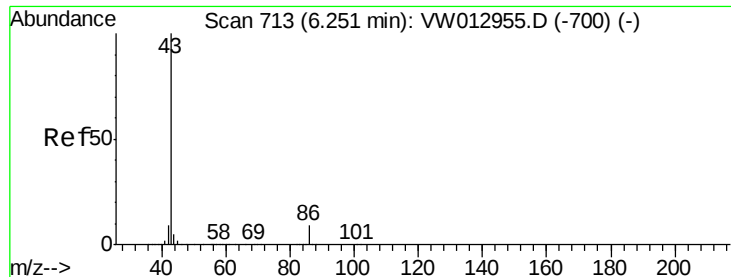
Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	45	Resp:	370070
Ion	Ratio	Lower	Upper
45	100		
43	54.4	44.6	67.0
87	24.9	20.0	30.0
59	10.8	8.7	13.1





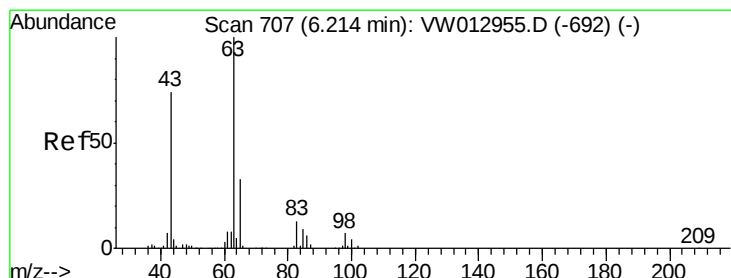
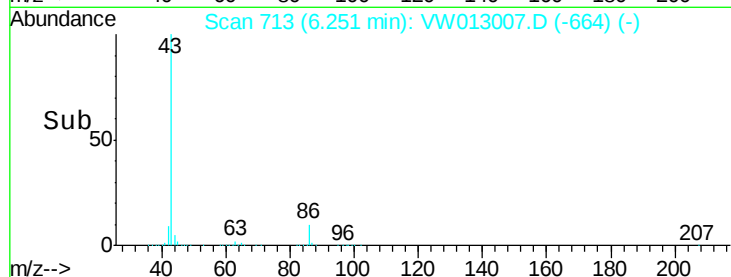
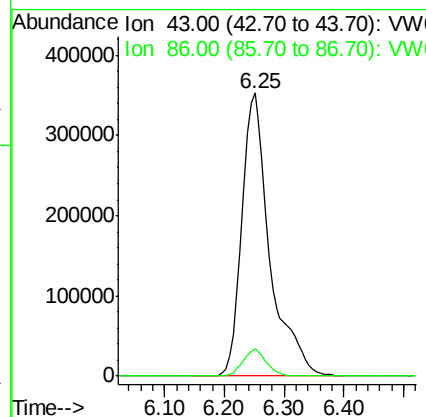
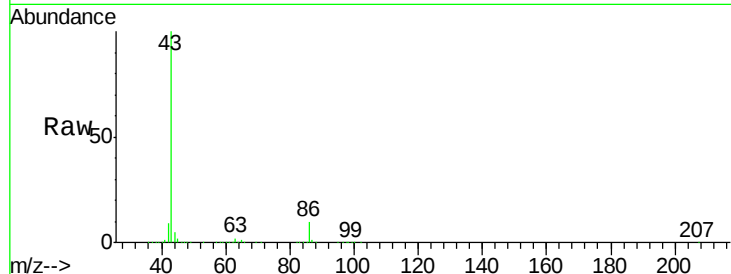
#23
 Vinyl Acetate
 Concen: 281.081 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1153614
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.0 10.6

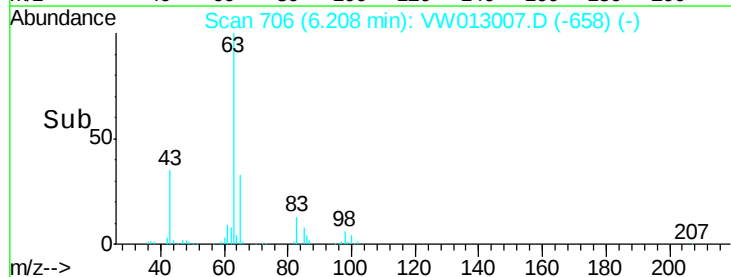
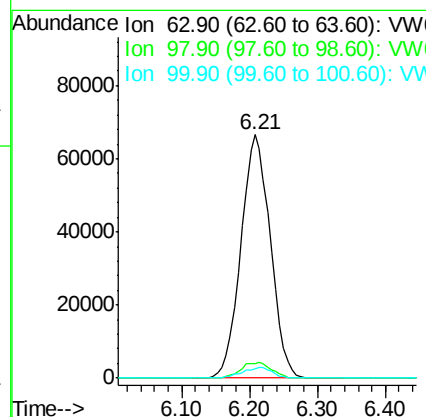
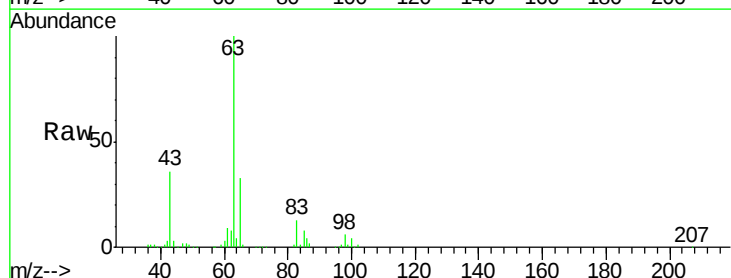
Manual Integrations
 APPROVED

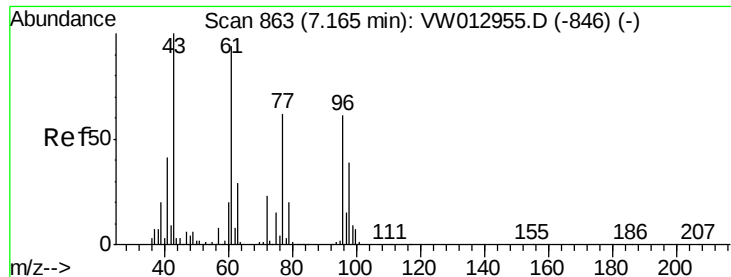
MMDadoda
 9/16/2019 11:14:37 AM



#24
 1,1-Dichloroethane
 Concen: 50.489 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion: 63 Resp: 199477
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.9
 100 4.0 1.8 5.5





#25

2-Butanone

Concen: 297.743 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 220100

Ion Ratio Lower Upper

43 100

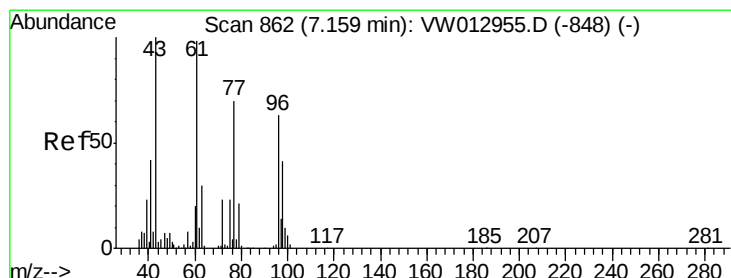
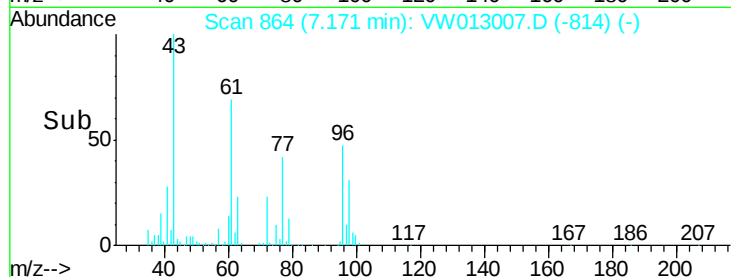
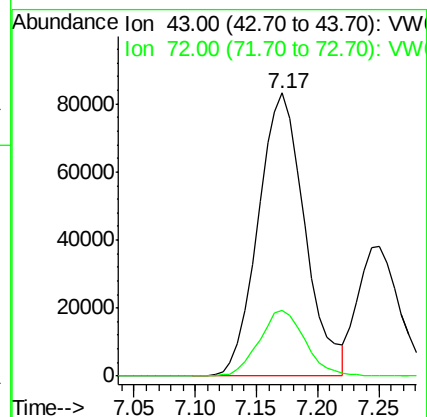
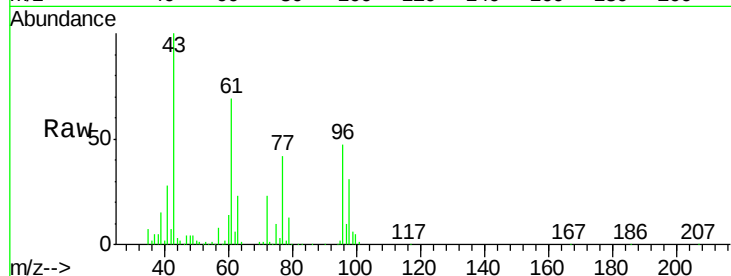
72 23.2 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#26

2,2-Dichloropropane

Concen: 46.254 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013007.D

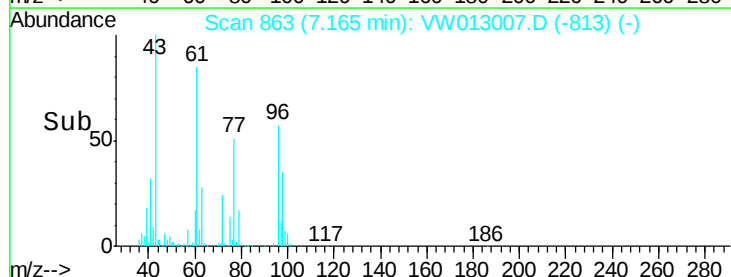
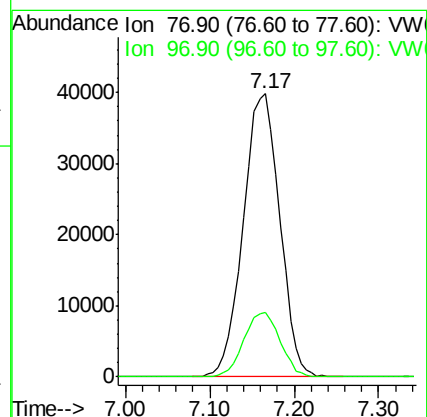
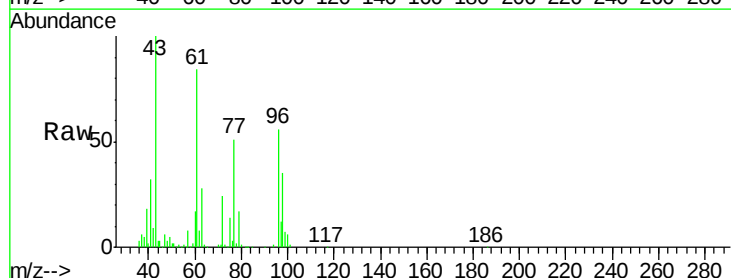
Acq: 14 Sep 2019 21:05

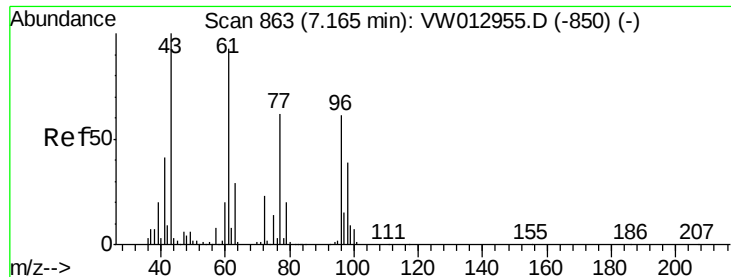
Tgt Ion: 77 Resp: 116790

Ion Ratio Lower Upper

77 100

97 22.7 10.7 32.1





#27

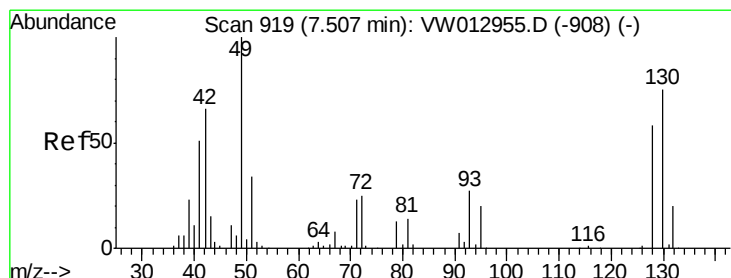
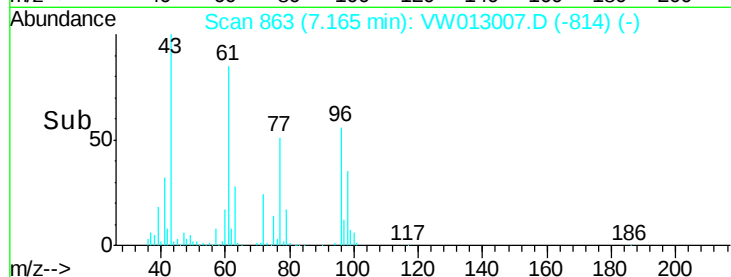
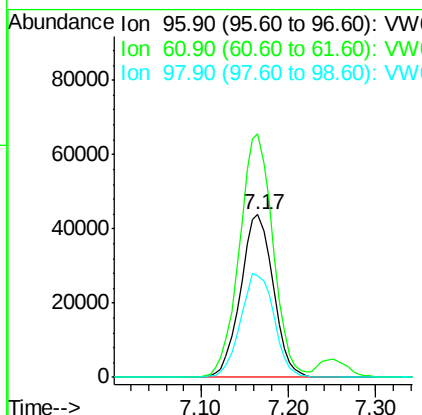
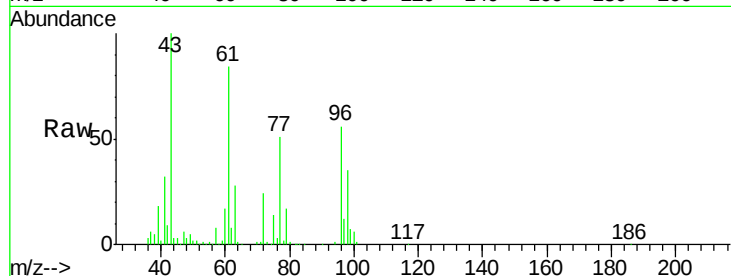
cis-1,2-Dichloroethene
Concen: 51.253 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	114188		
61	152.9	0.0	315.4	
98	65.0	0.0	131.0	

Manual Integrations
APPROVED

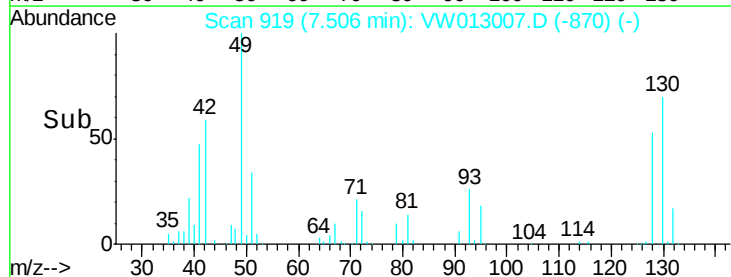
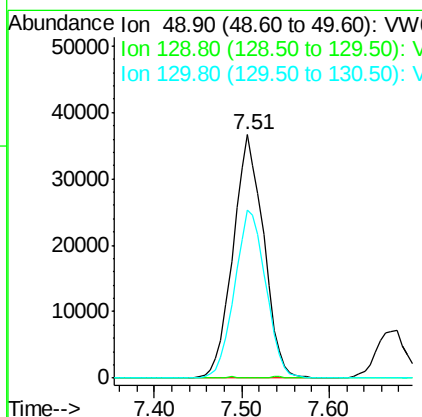
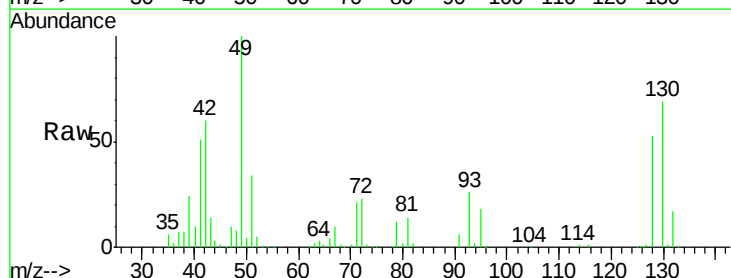
MMDadoda
9/16/2019 11:14:37 AM

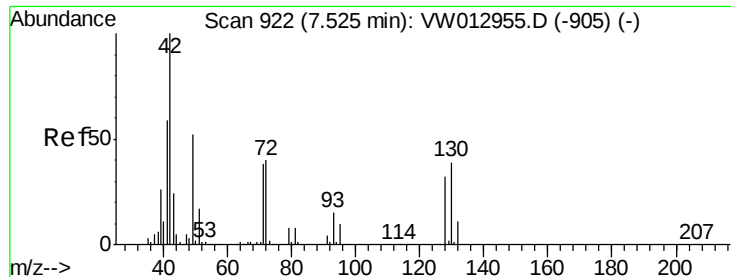


#28

Bromochloromethane
Concen: 53.658 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89230		
129	0.2	0.0	1.4	
130	70.5	57.8	86.6	





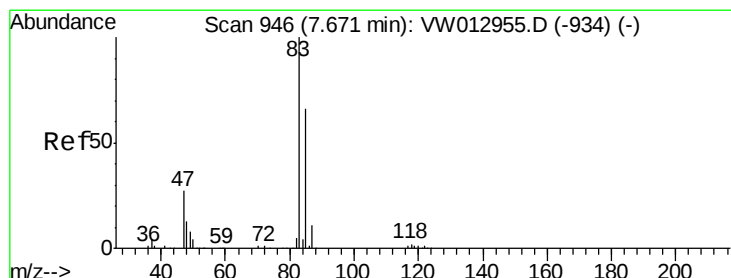
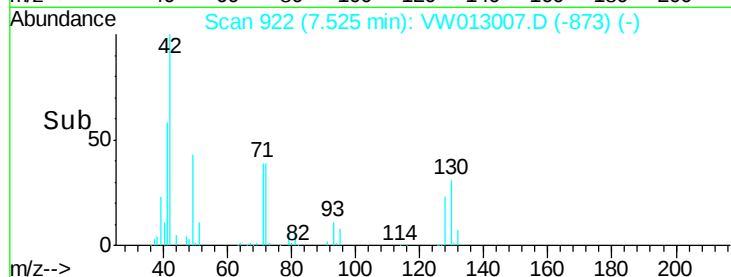
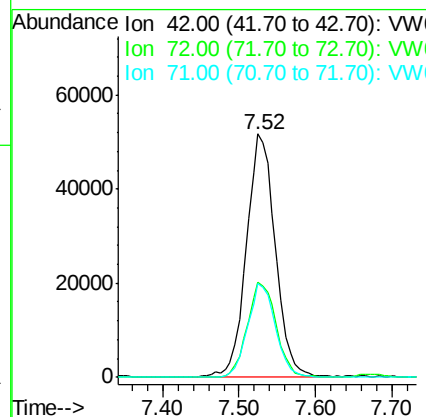
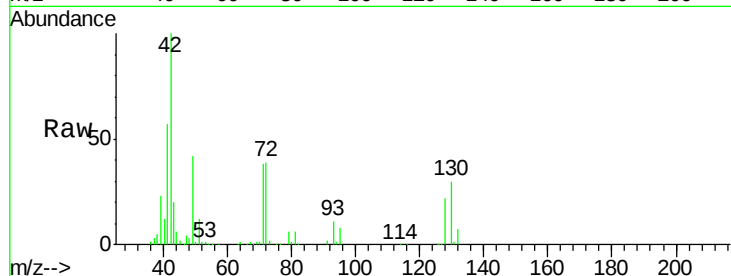
#29
Tetrahydrofuran
Concen: 322.297 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.0
71	37.2	29.8	44.8

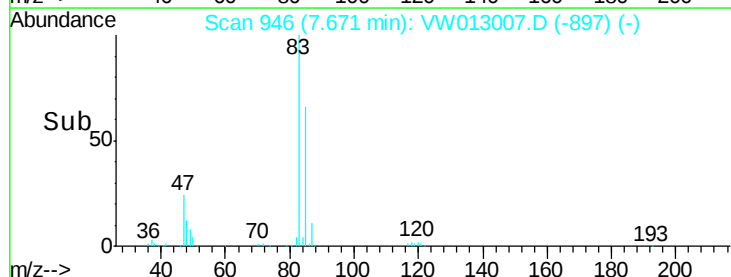
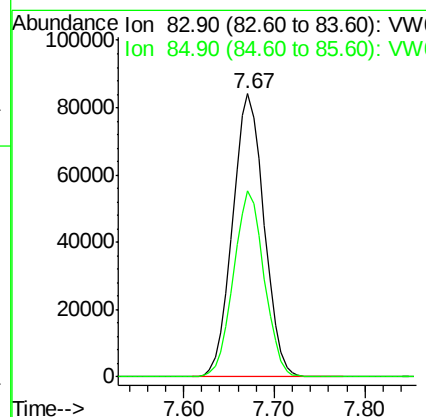
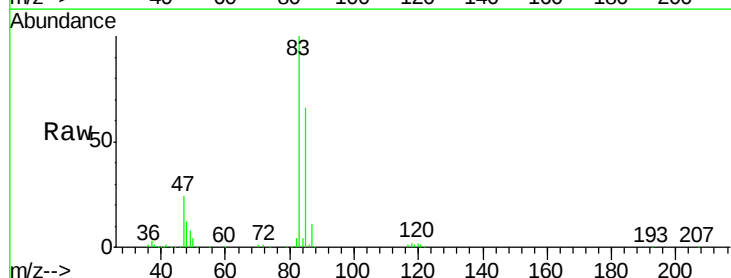
Manual Integrations
APPROVED

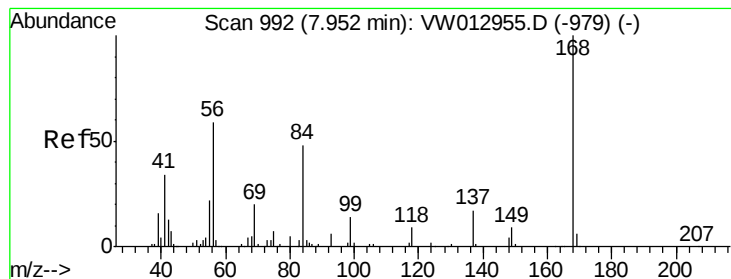
MMDadoda
9/16/2019 11:14:37 AM



#30
Chloroform
Concen: 50.413 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.8	79.2





#31

Cyclohexane

Concen: 54.799 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

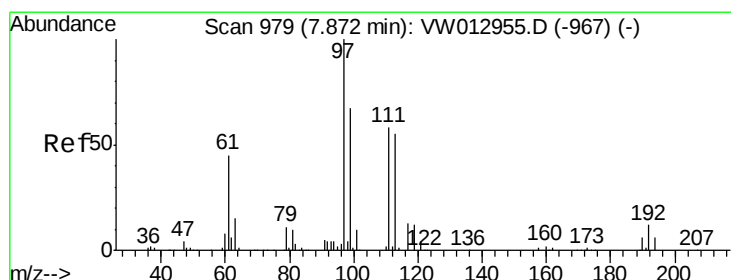
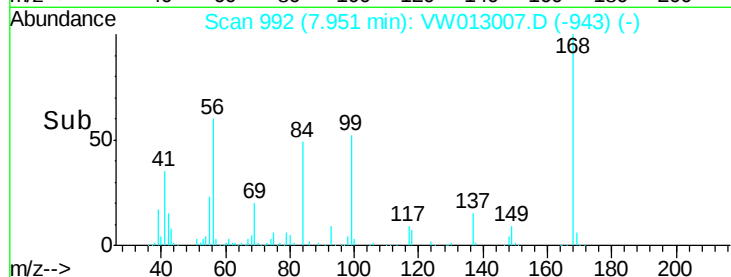
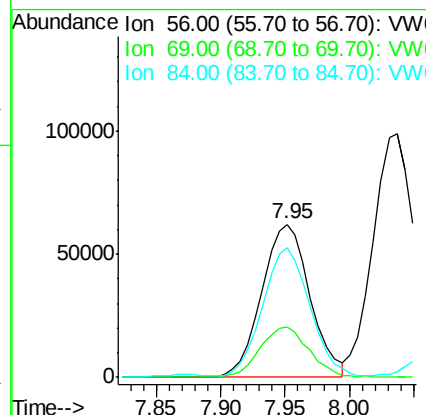
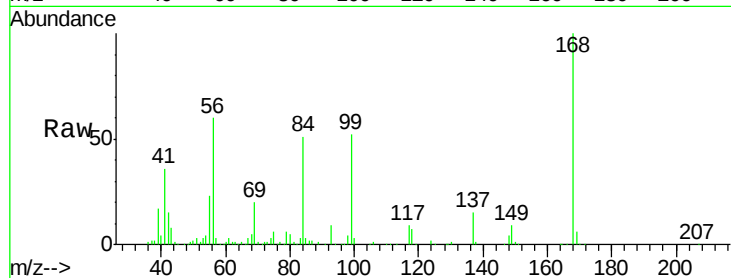
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	161312
Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.0	40.6
84	82.8	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#32

1,1,1-Trichloroethane

Concen: 49.630 ug/l

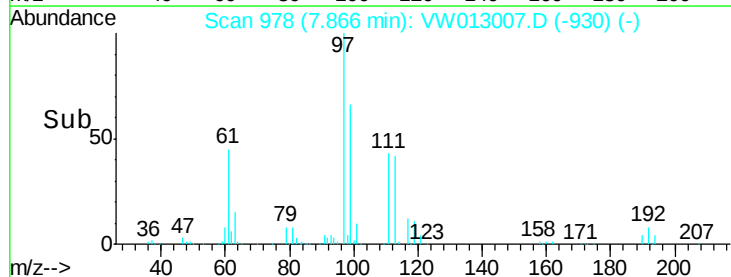
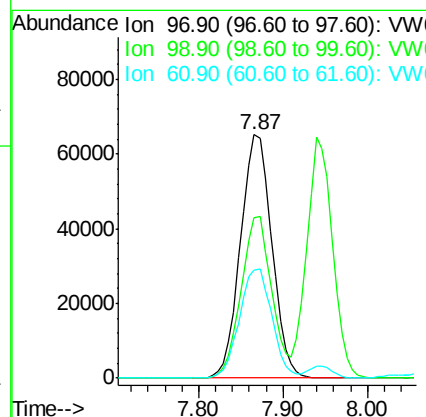
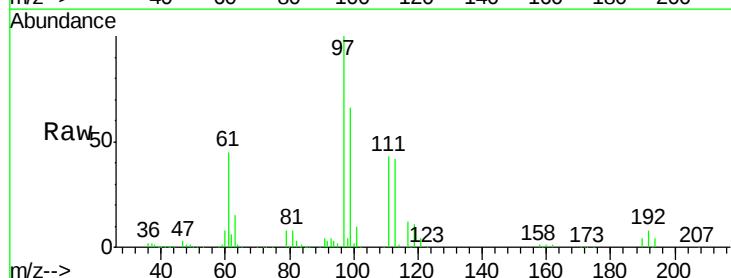
RT: 7.87 min Scan# 978

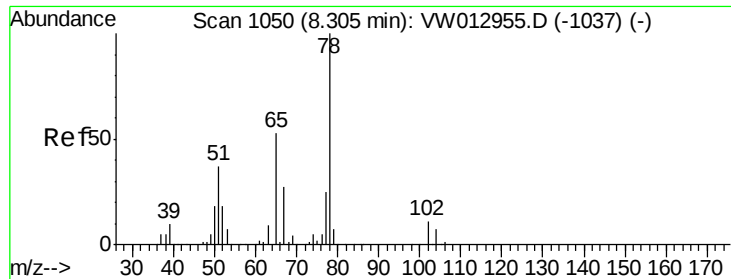
Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion	97	Resp	164075
Ion	Ratio	Lower	Upper
97	100		
99	65.1	53.0	79.4
61	46.5	36.5	54.7





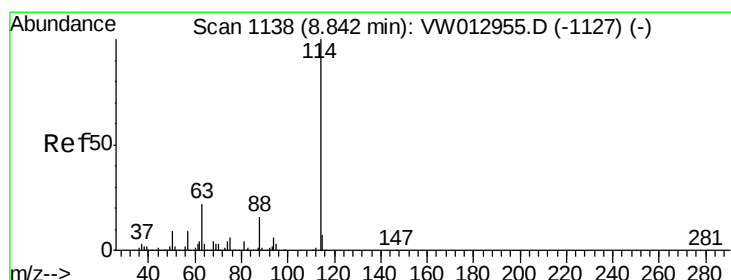
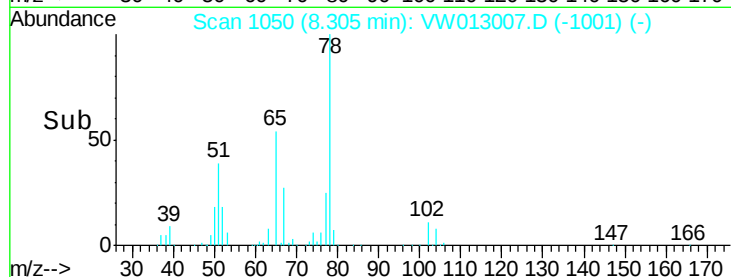
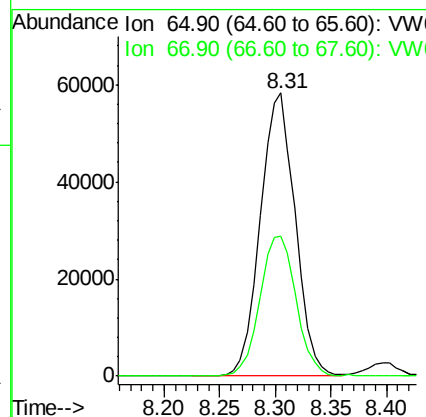
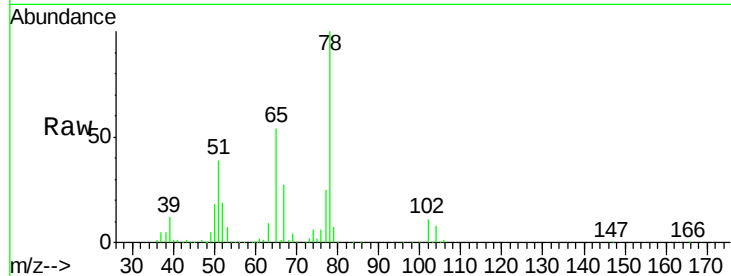
#33
 1,2-Dichloroethane-d4
 Concen: 54.682 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127124		
67	51.4	0.0	101.2	

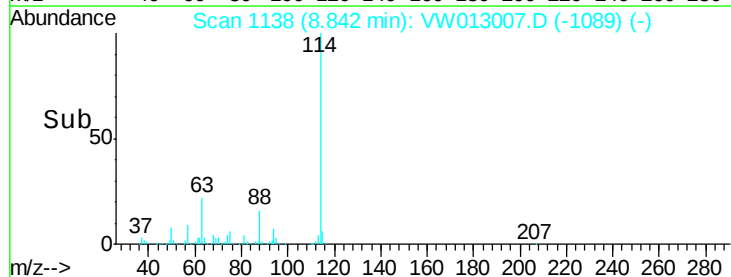
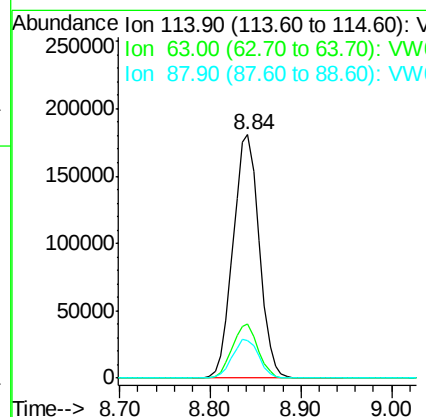
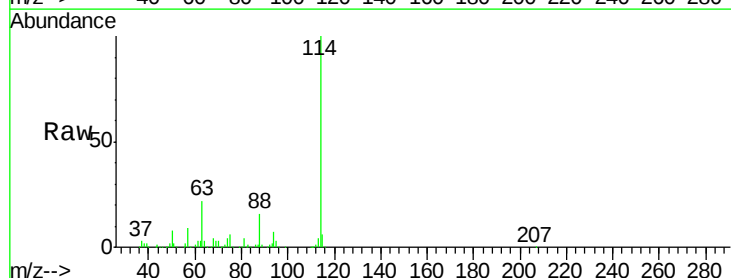
Manual Integrations
 APPROVED

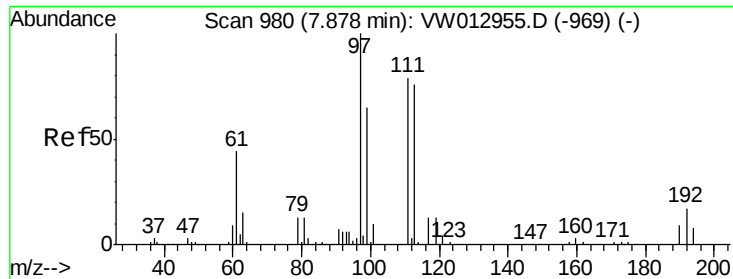
MMDadoda
 9/16/2019 11:14:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	360402		
63	22.1	0.0	43.4	
88	15.6	0.0	31.6	





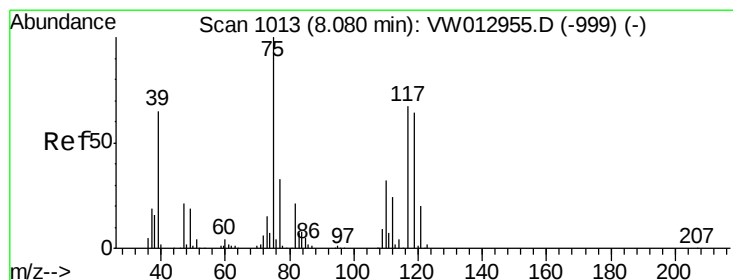
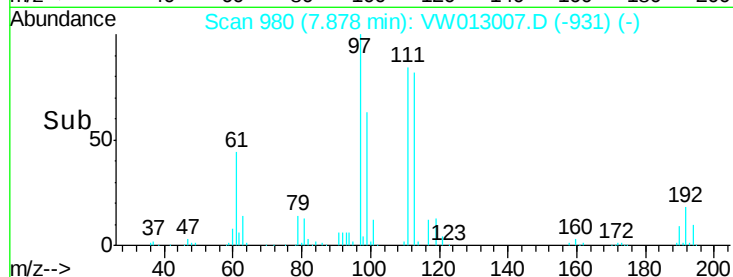
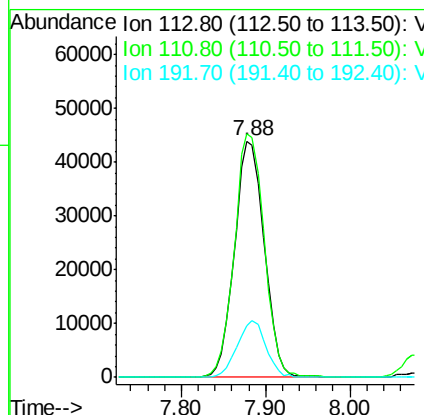
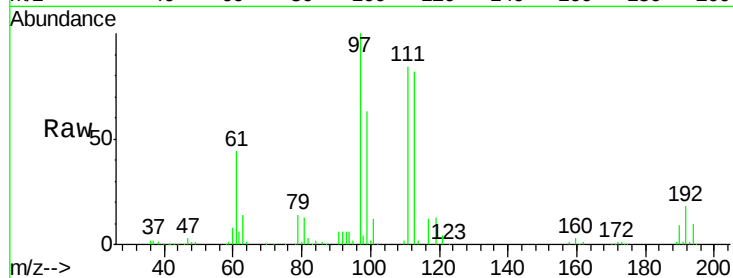
#35
 Dibromofluoromethane
 Concen: 53.657 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104931		
111	102.9	82.8	124.2	
192	22.9	17.8	26.8	

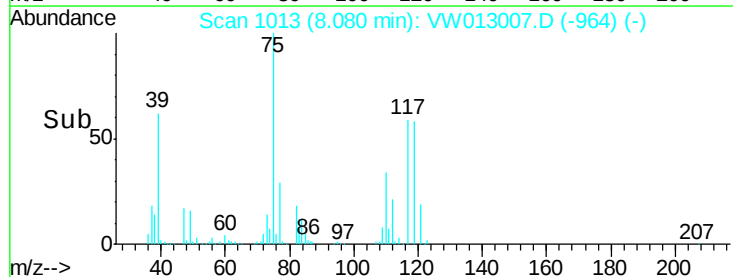
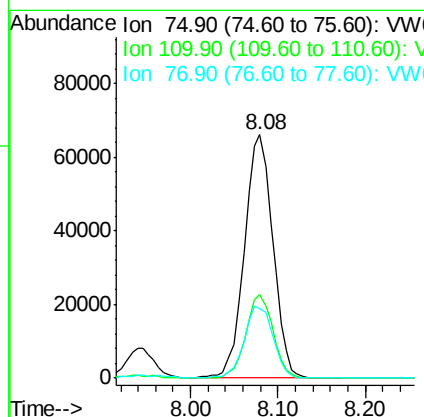
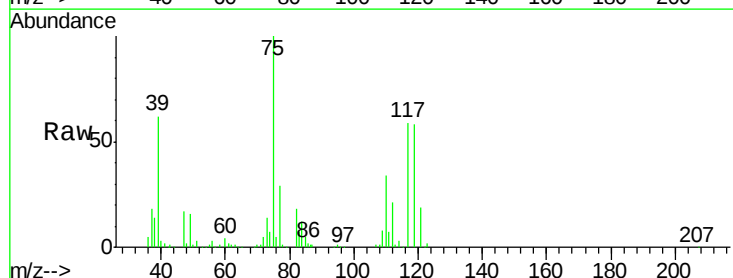
Manual Integrations
 APPROVED

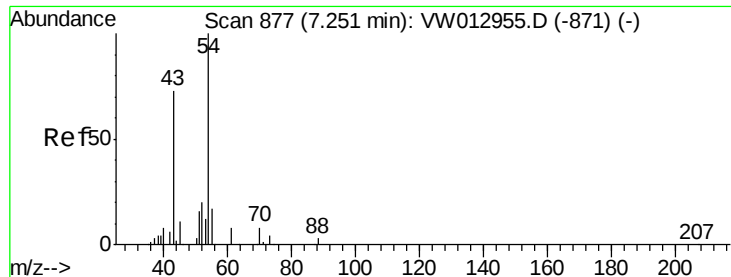
MMDadoda
 9/16/2019 11:14:37 AM



#36
 1,1-Dichloropropene
 Concen: 51.831 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149269		
110	32.9	16.4	49.1	
77	30.1	25.1	37.7	





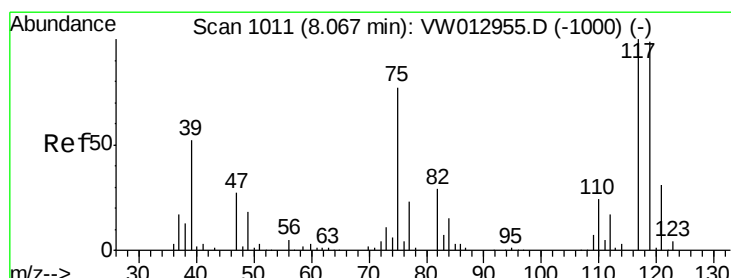
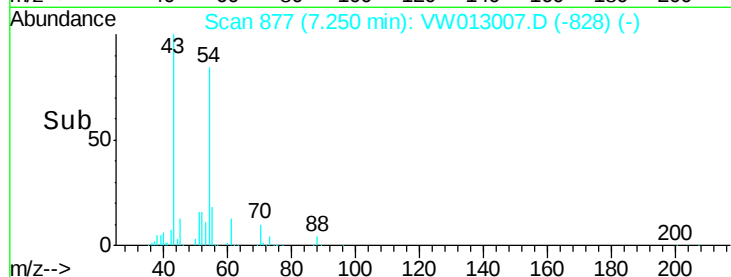
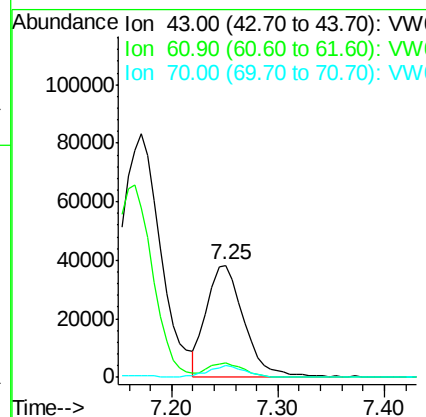
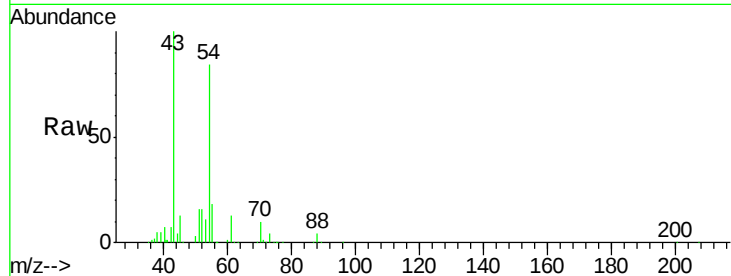
#37
Ethyl Acetate
Concen: 60.431 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.6	14.4
70	10.4	7.6	11.4

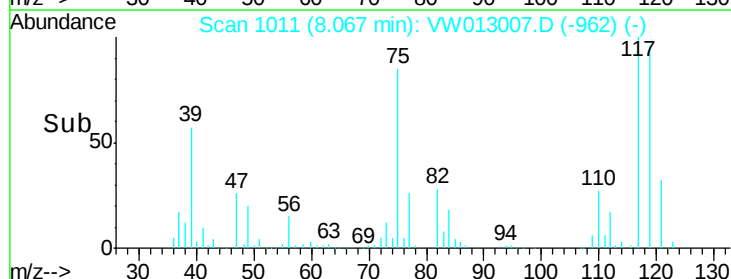
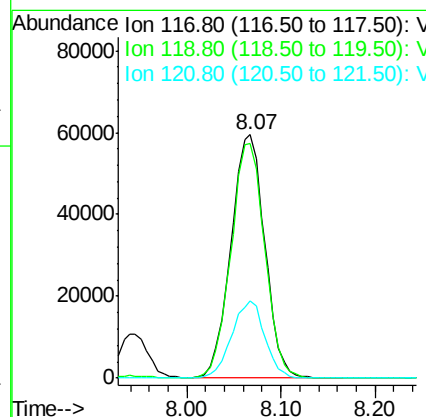
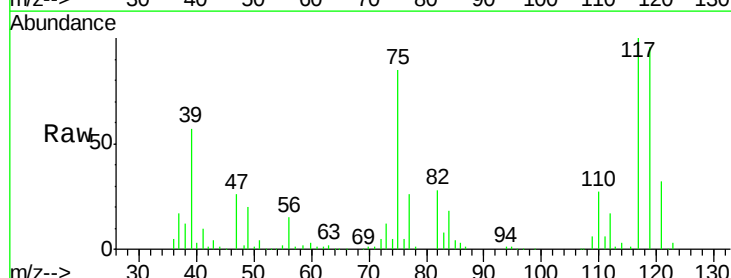
Manual Integrations
APPROVED

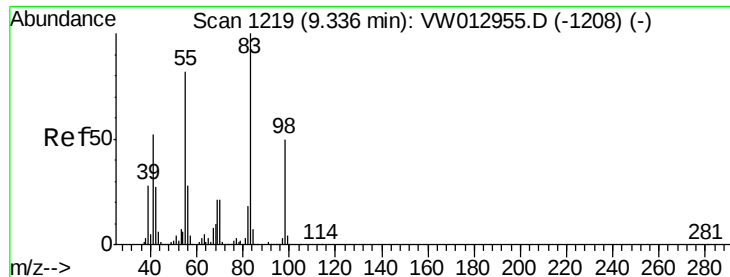
MMDadoda
9/16/2019 11:14:37 AM



#38
Carbon Tetrachloride
Concen: 50.203 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	79.4	119.0
121	31.5	24.6	36.8





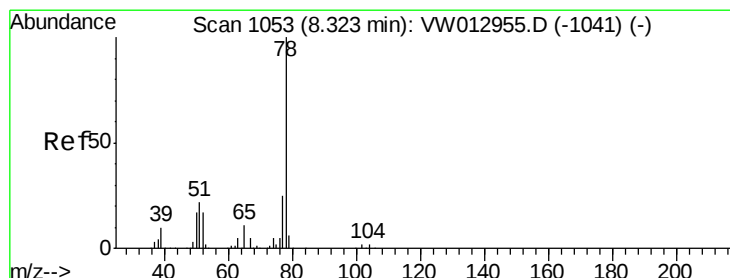
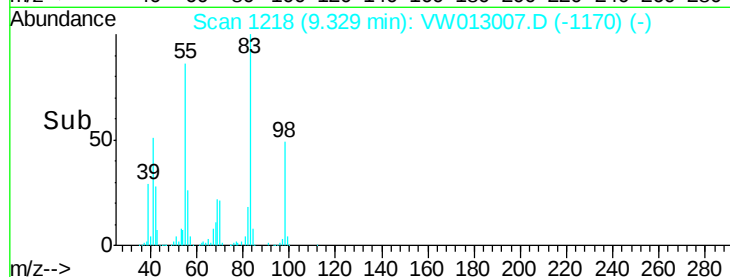
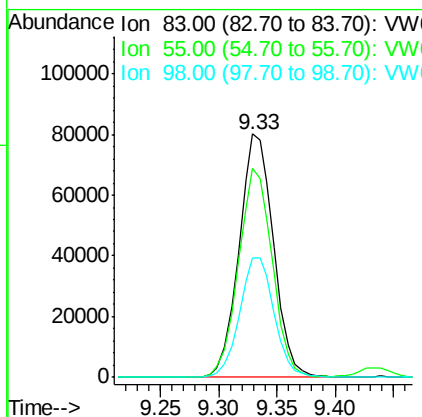
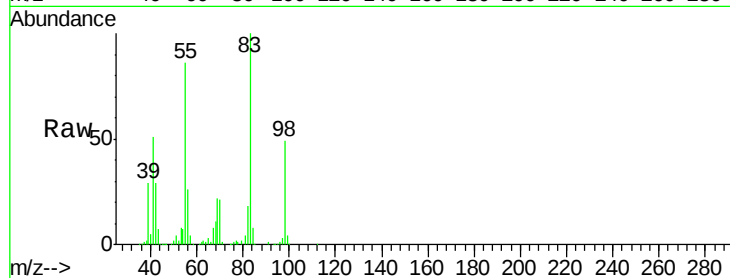
#39
Methvlcvclohexane
Concen: 52.326 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	65.9	98.9
98	49.0	39.6	59.4

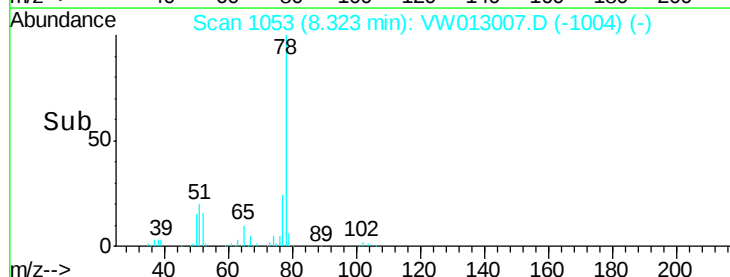
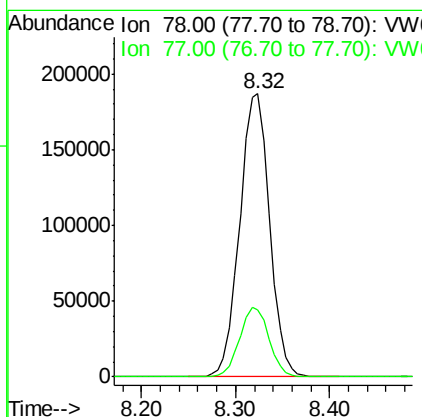
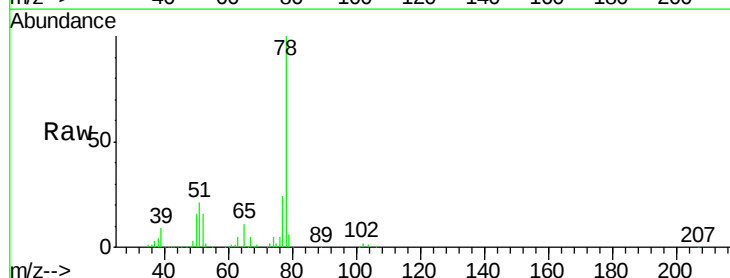
Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#40
Benzene
Concen: 51.559 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.6	29.4





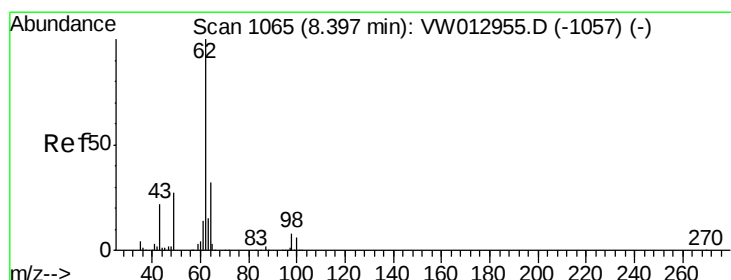
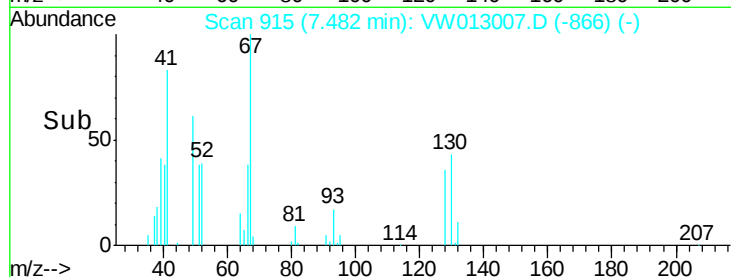
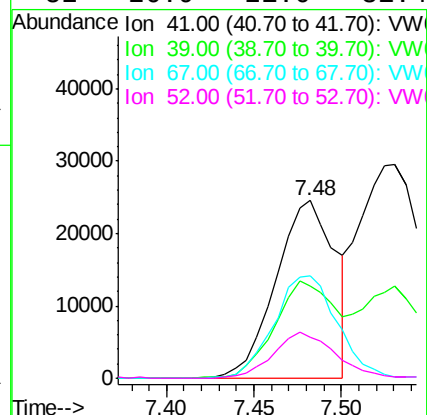
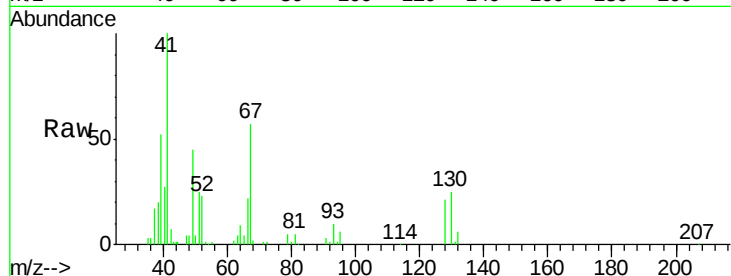
#41
Methacrylonitrile
Concen: 57.798 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	58183
Ion	Ratio	Lower	Upper
41	100		
39	55.2	48.2	72.4
67	61.9	47.5	71.3
52	26.9	21.0	31.4

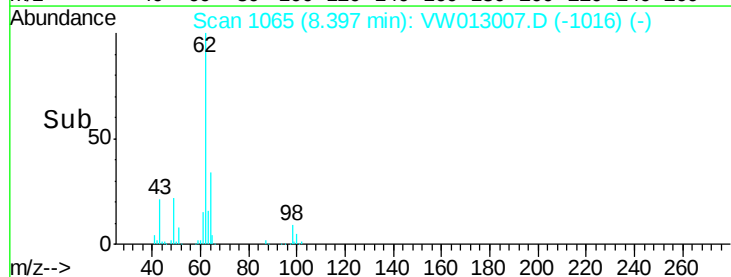
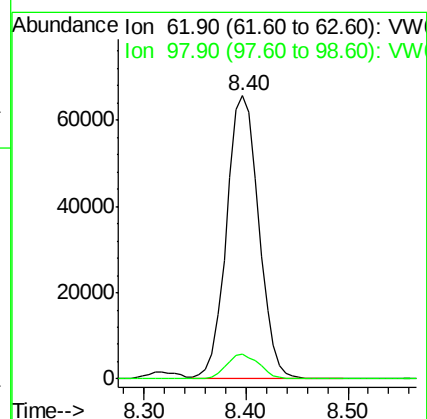
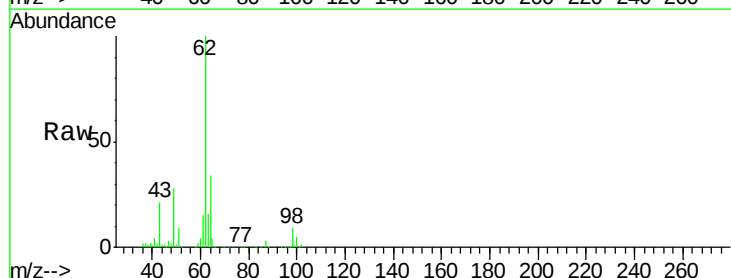
Manual Integrations
APPROVED

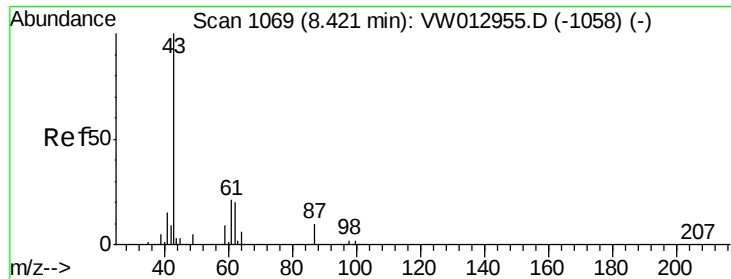
MMDadoda
9/16/2019 11:14:37 AM



#42
1,2-Dichloroethane
Concen: 53.226 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	62	Resp	143449
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.8





#43

Isopropyl Acetate

Concen: 61.244 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

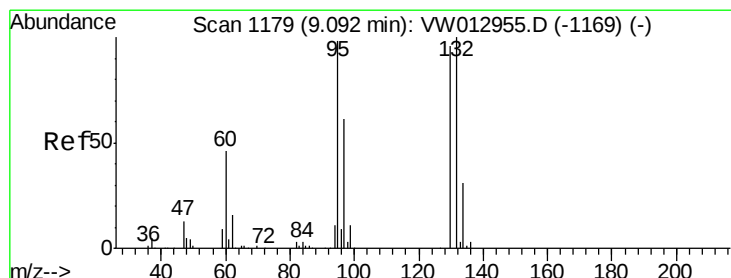
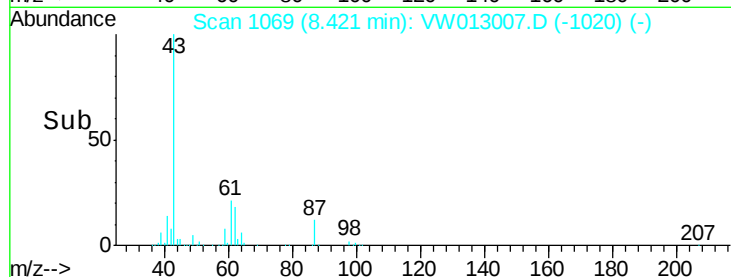
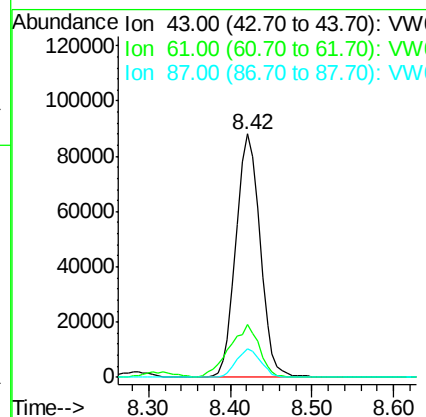
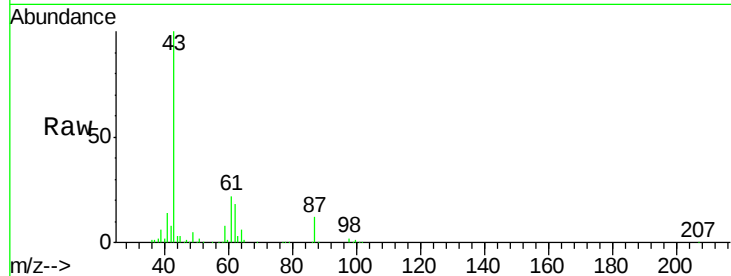
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179754
Ion	Ratio	Lower	Upper
43	100		
61	27.1	22.7	34.1
87	11.9	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#44

Trichloroethene

Concen: 51.279 ug/l

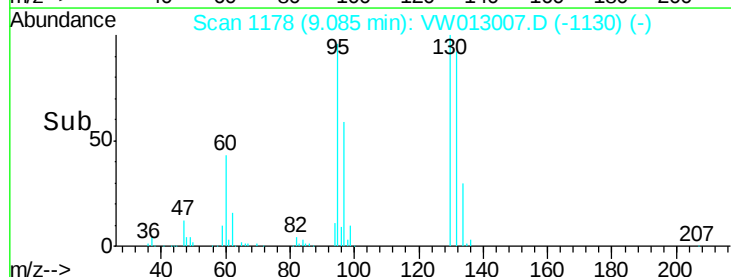
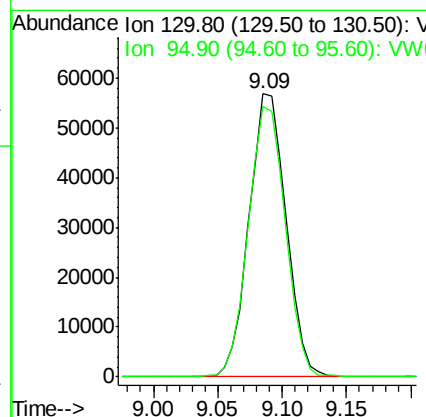
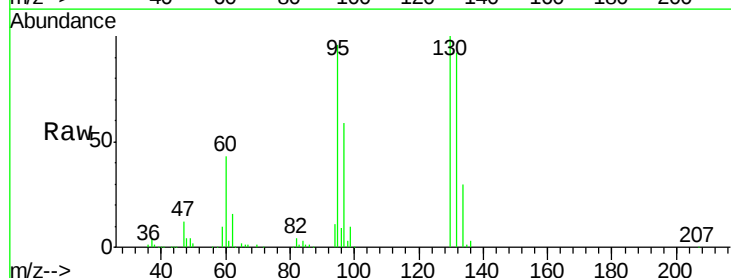
RT: 9.09 min Scan# 1178

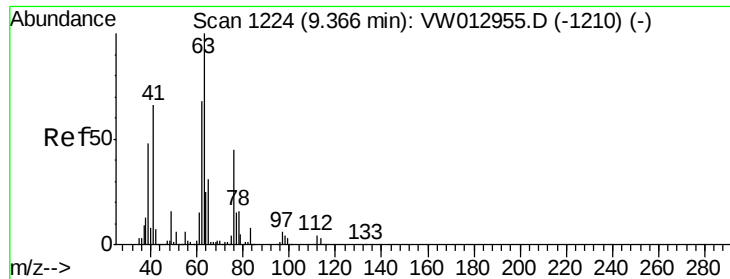
Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	130	Resp:	112924
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	204.4





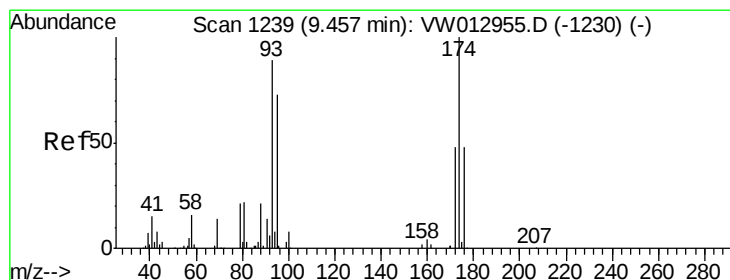
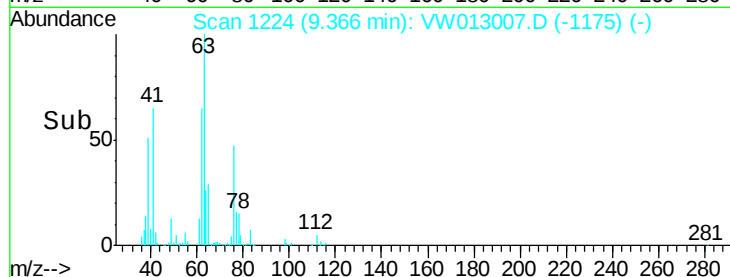
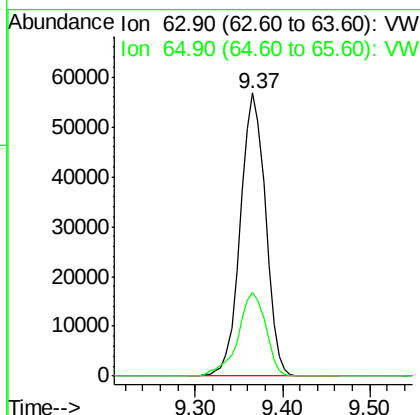
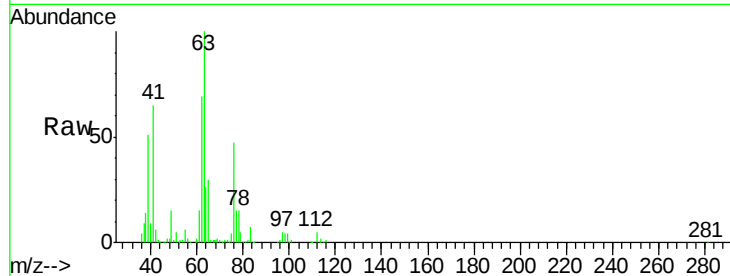
#45
 1,2-Dichloropropane
 Concen: 53.369 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.6	37.0

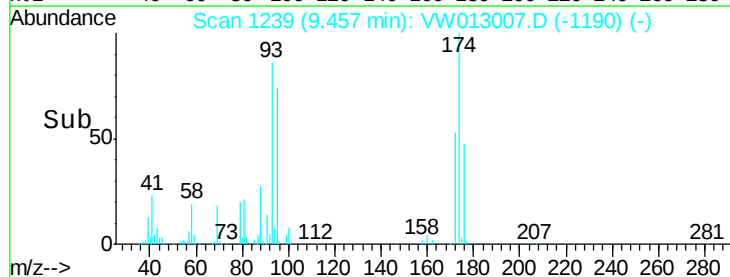
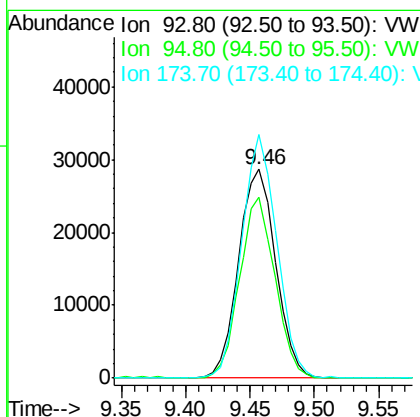
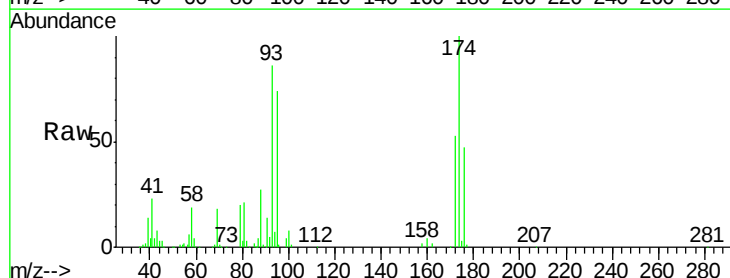
Manual Integrations
 APPROVED

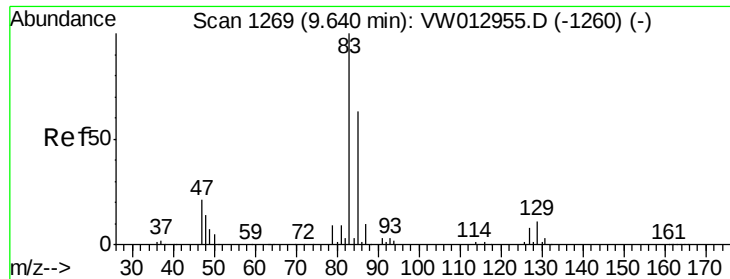
MMDadoda
 9/16/2019 11:14:37 AM



#46
 Dibromomethane
 Concen: 55.968 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.0	100.4
174	110.5	90.5	135.7





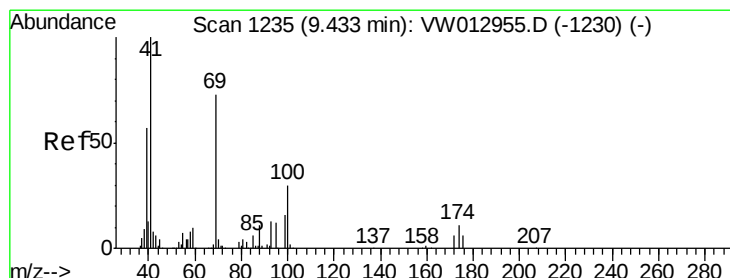
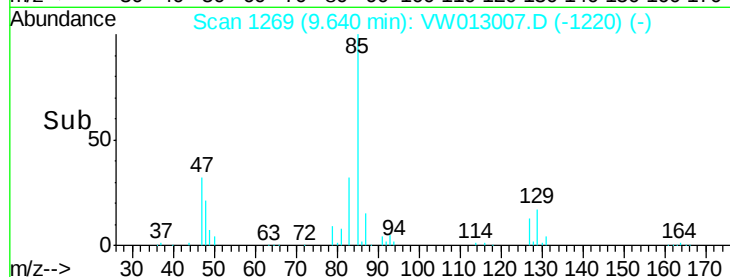
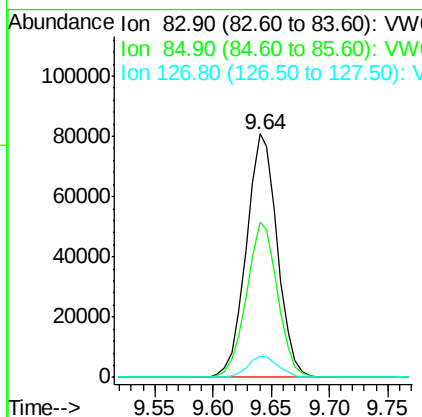
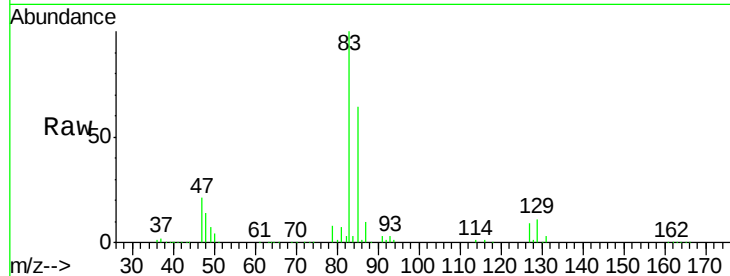
#47
Bromodichloromethane
Concen: 52.170 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149758		
85	63.7	50.6	75.8	
127	8.5	6.7	10.1	

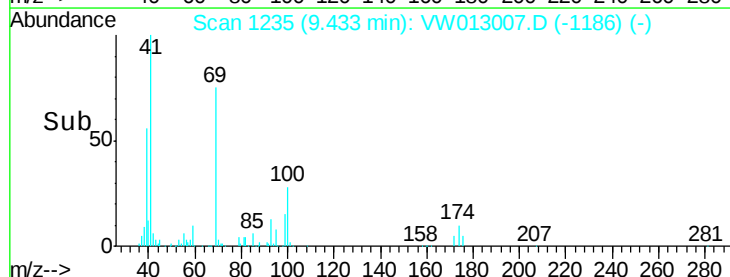
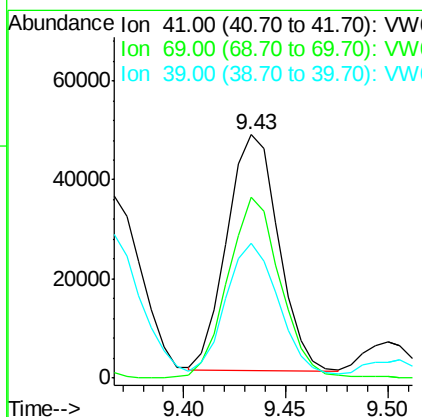
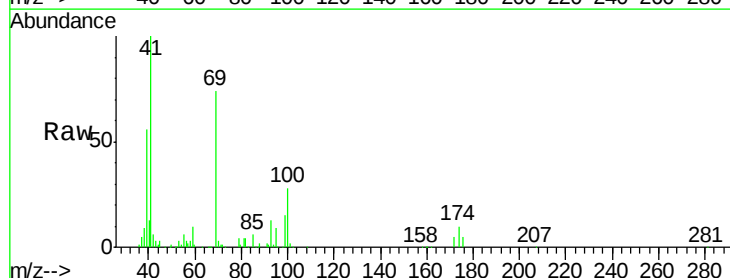
Manual Integrations
APPROVED

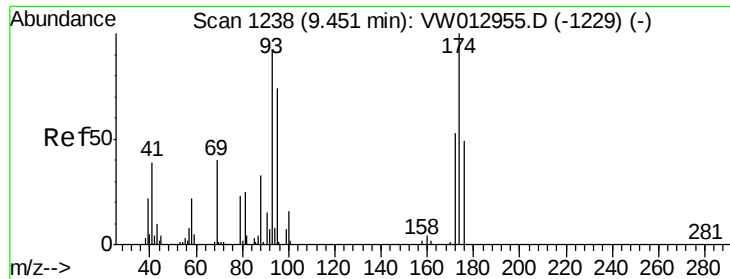
MMDadoda
9/16/2019 11:14:37 AM



#48
Methyl methacrylate
Concen: 60.991 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	84013		
69	78.2	62.8	94.2	
39	59.2	48.5	72.7	





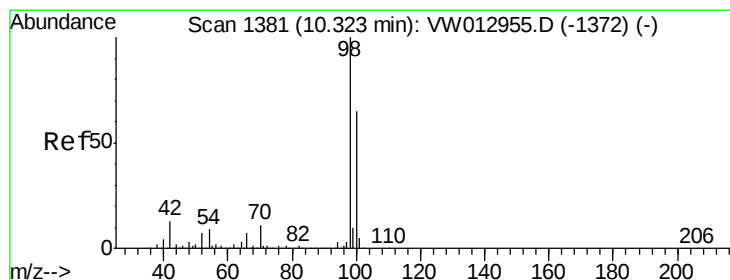
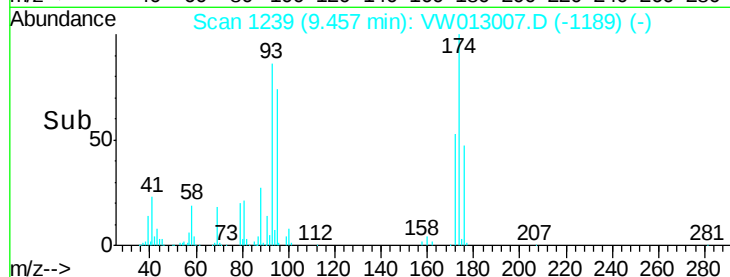
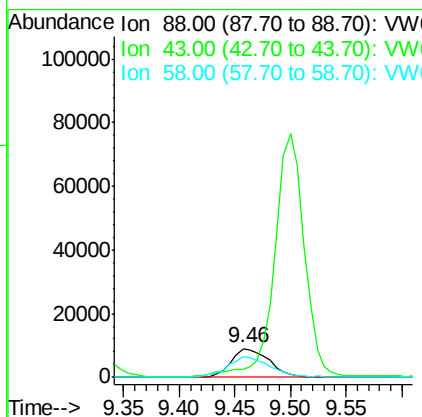
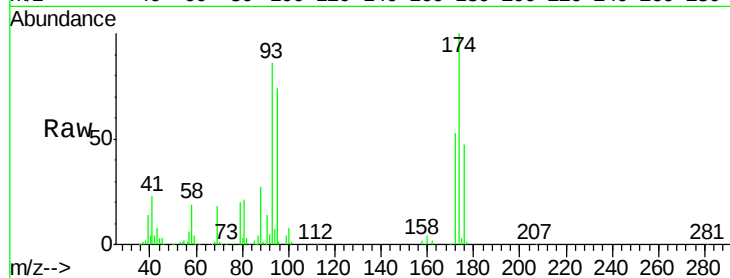
#49
1,4-Dioxane
Concen: 1265.629 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	21703
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	78.2	60.2	90.2

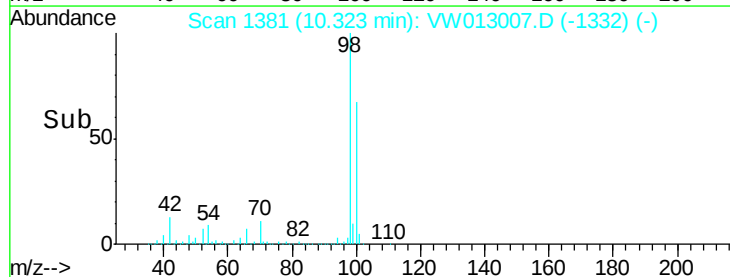
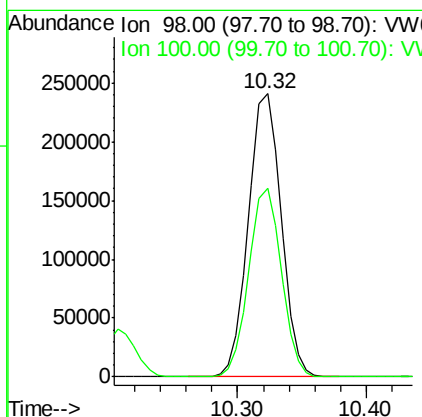
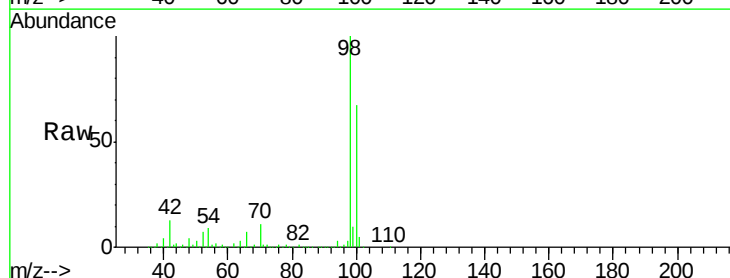
Manual Integrations
APPROVED

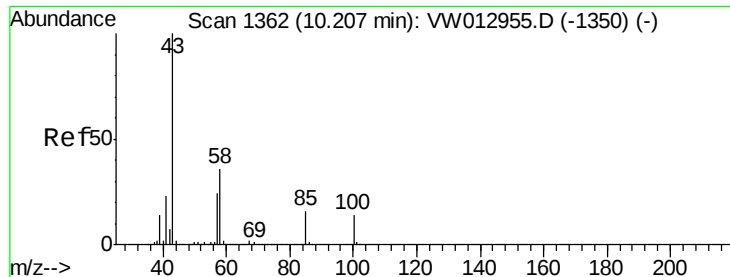
MMDadoda
9/16/2019 11:14:37 AM



#50
Toluene-d8
Concen: 55.460 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	98	Resp	424404
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 318.372 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 482425

Ion Ratio Lower Upper

43 100

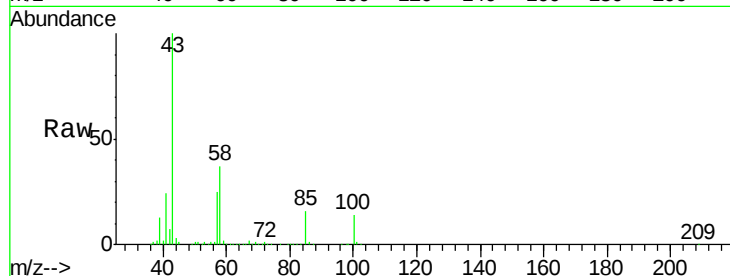
58 37.5 29.5 44.3

Manual Integrations

APPROVED

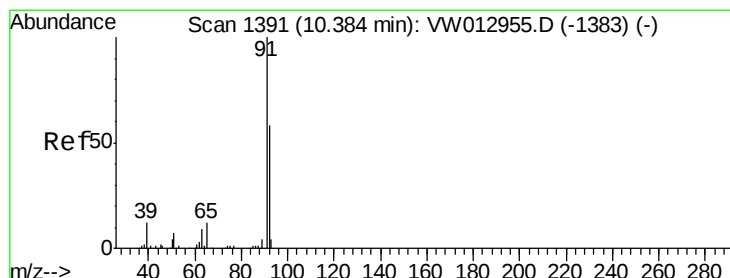
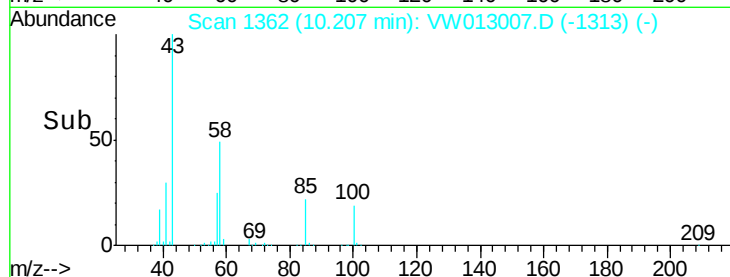
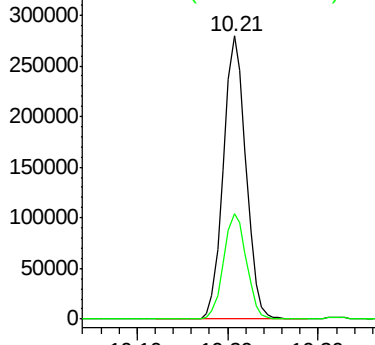
MMDadoda

9/16/2019 11:14:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.375 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013007.D

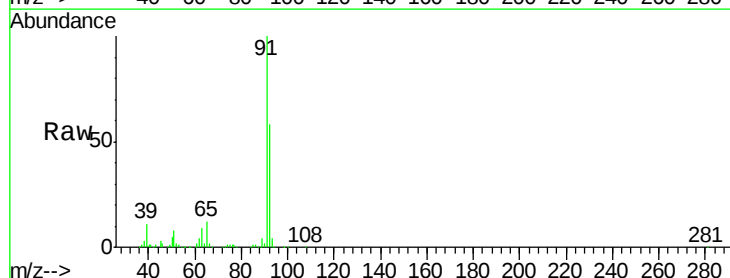
Acq: 14 Sep 2019 21:05

Tgt Ion: 92 Resp: 267573

Ion Ratio Lower Upper

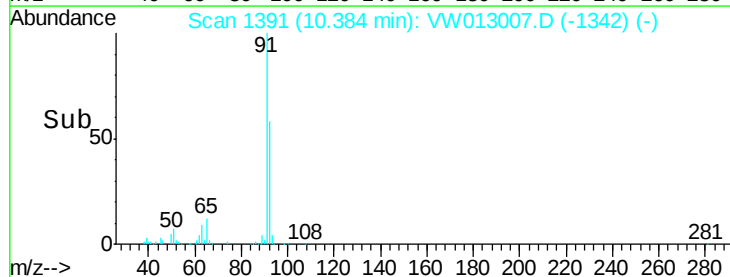
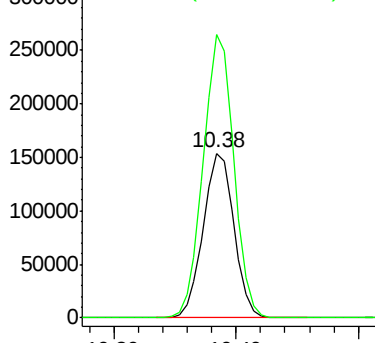
92 100

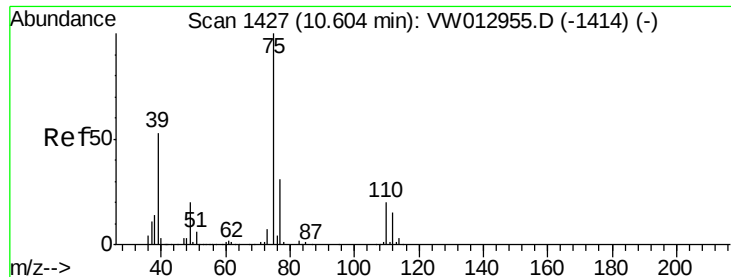
91 171.3 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





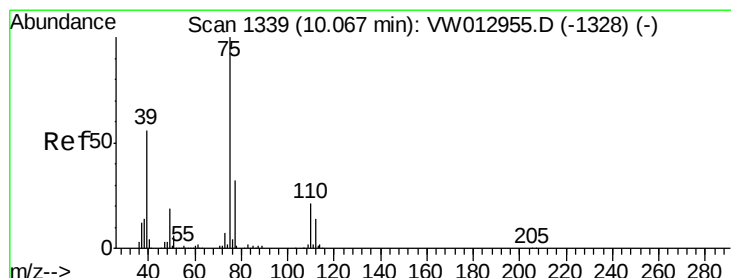
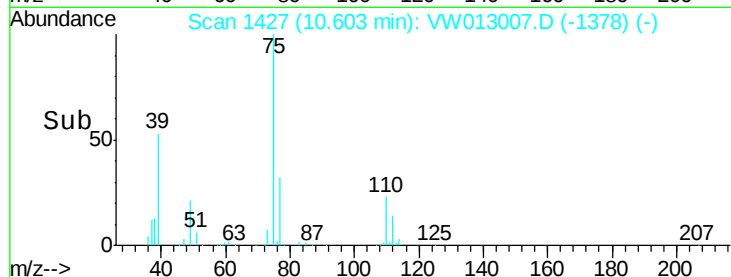
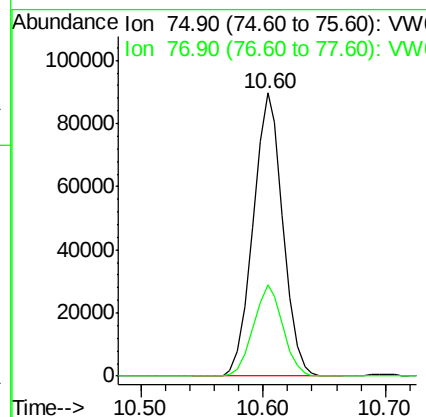
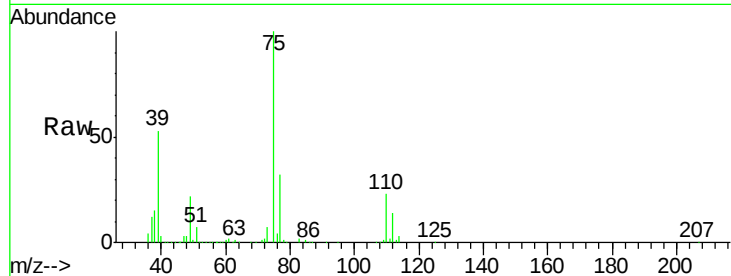
#53
t-1,3-Dichloropropene
Concen: 52.380 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	37.0

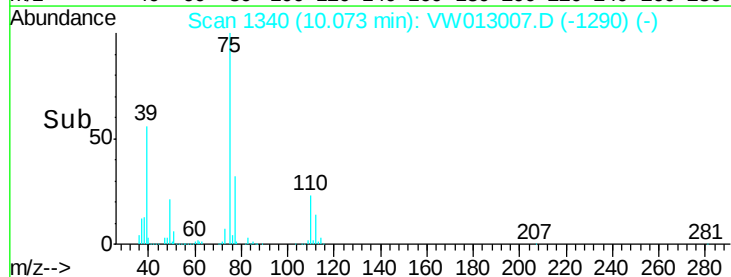
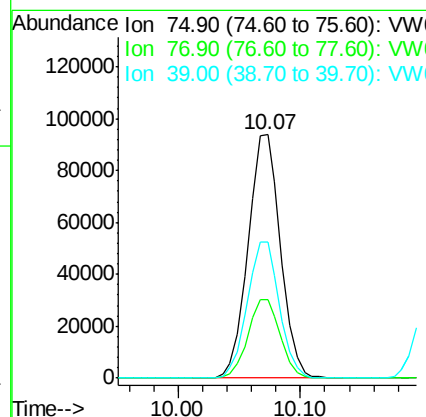
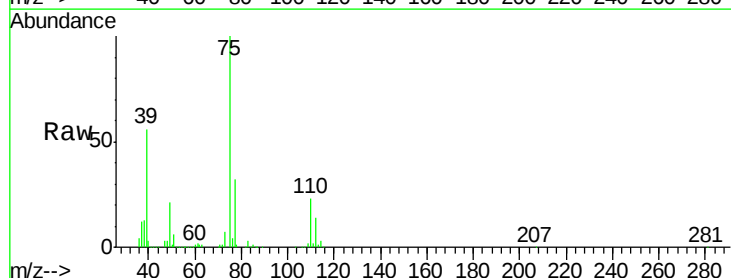
Manual Integrations
APPROVED

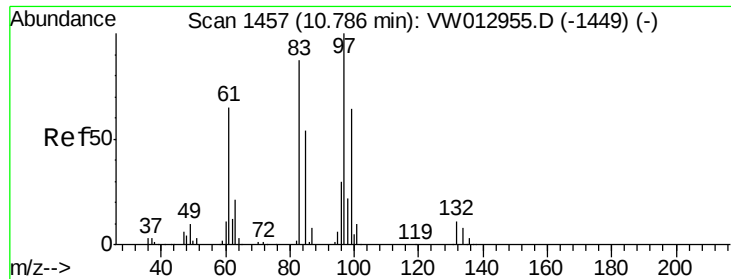
MMDadoda
9/16/2019 11:14:37 AM



#54
cis-1,3-Dichloropropene
Concen: 52.189 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	56.0	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 56.241 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

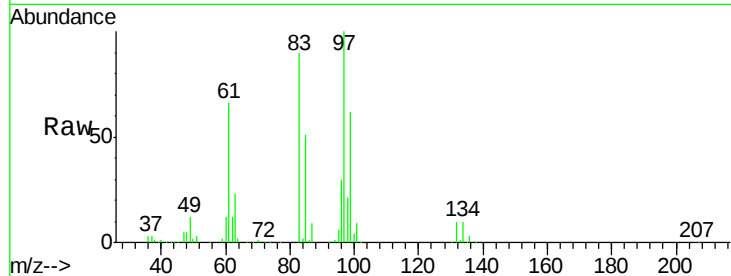
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	87680
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.4	104.0
85	50.7	43.3	64.9
99	62.2	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM

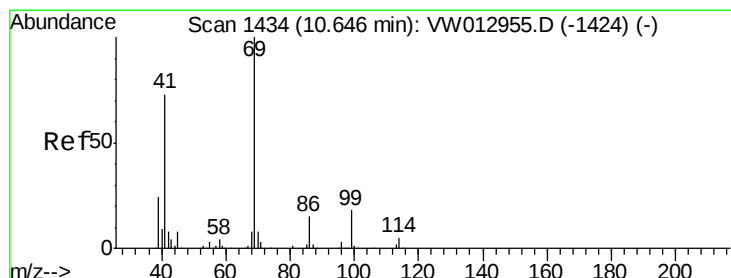
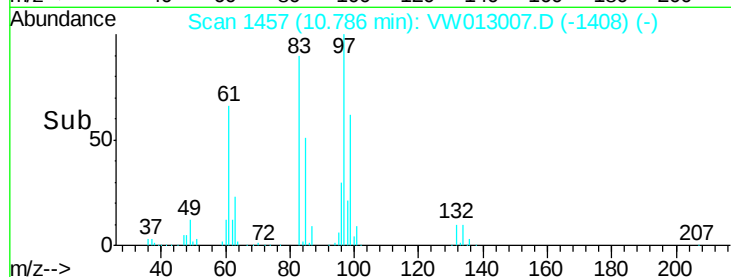
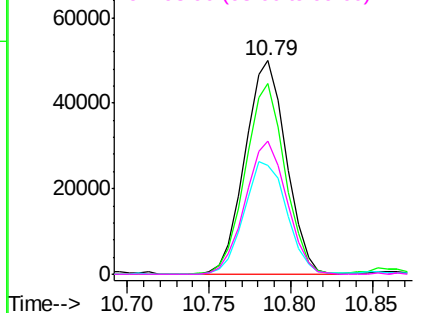


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 60.907 ug/l

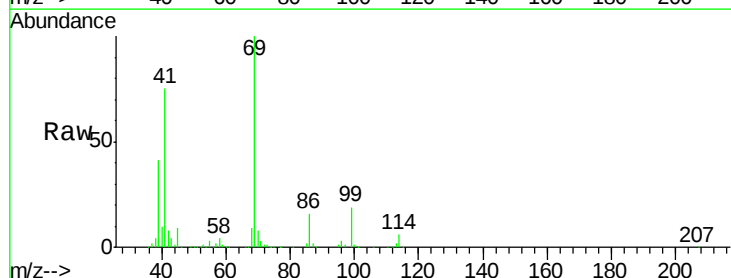
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

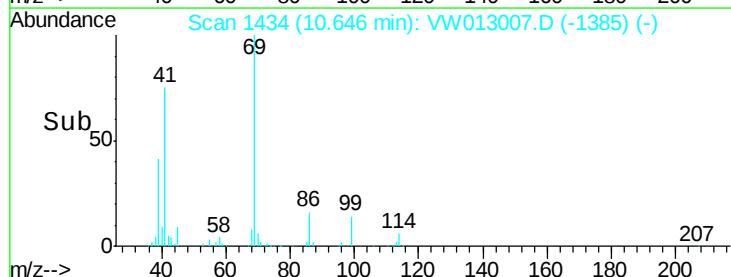
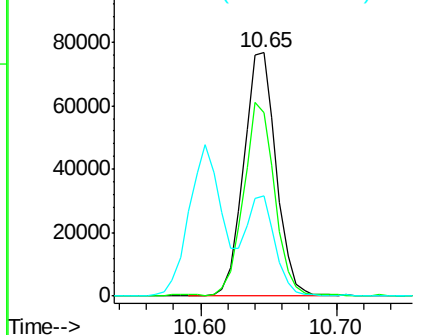
Tgt Ion:	69	Resp:	127812
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.8	91.2
39	34.9	29.4	44.0

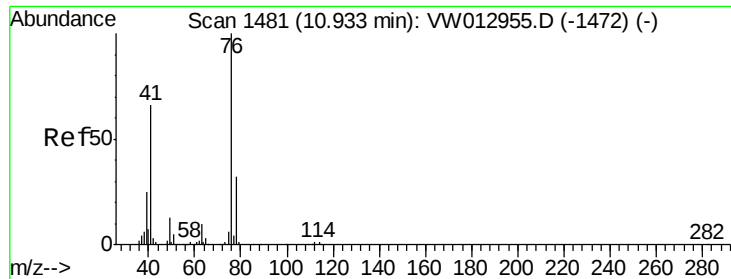


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





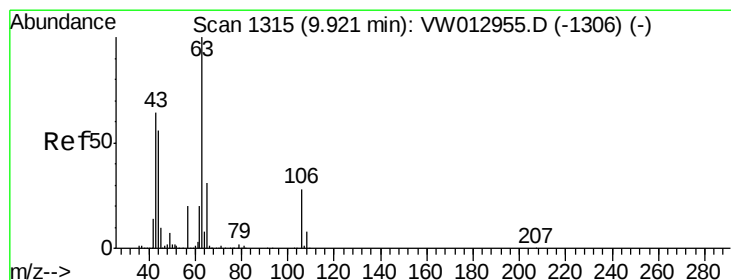
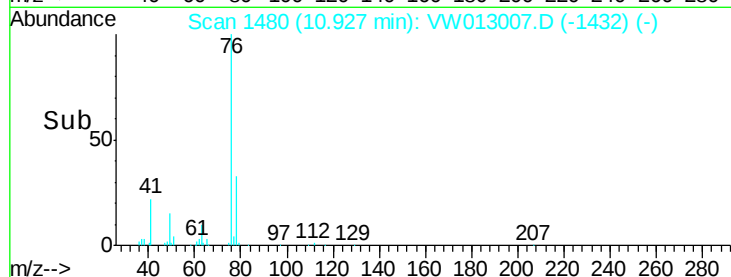
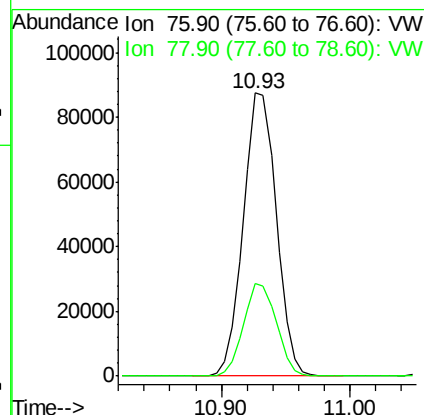
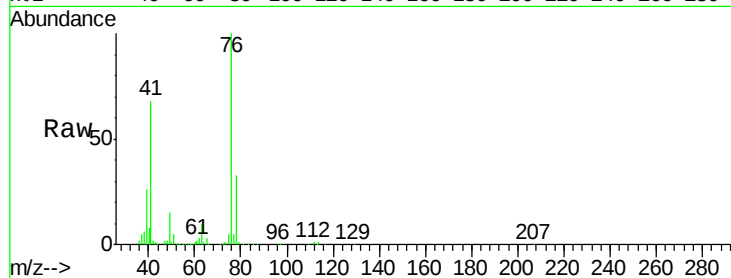
#57
 1,3-Dichloropropane
 Concen: 56.242 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.6	38.4

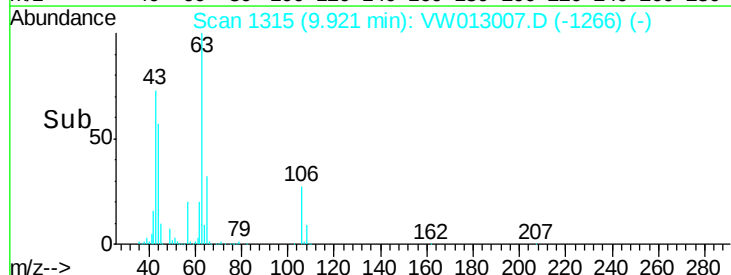
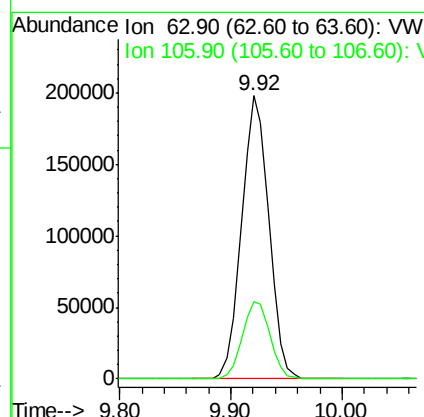
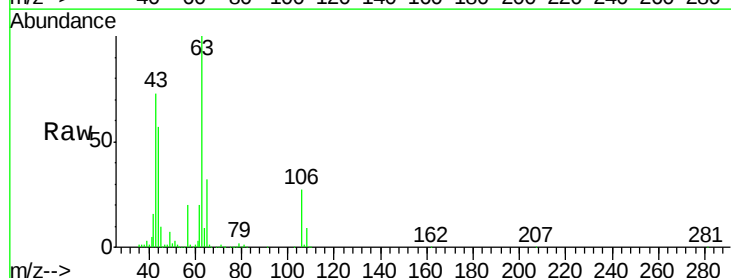
Manual Integrations
 APPROVED

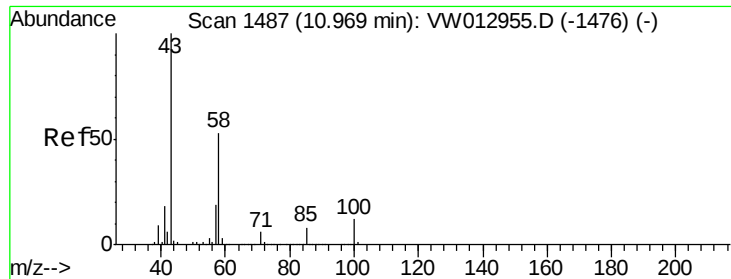
MMDadoda
 9/16/2019 11:14:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 297.263 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.2





#59

2-Hexanone

Concen: 312.509 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 329731

Ion Ratio Lower Upper

43 100

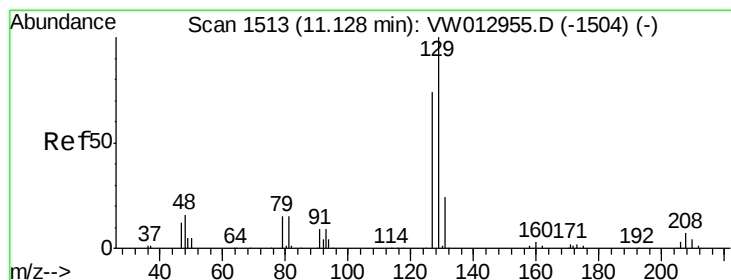
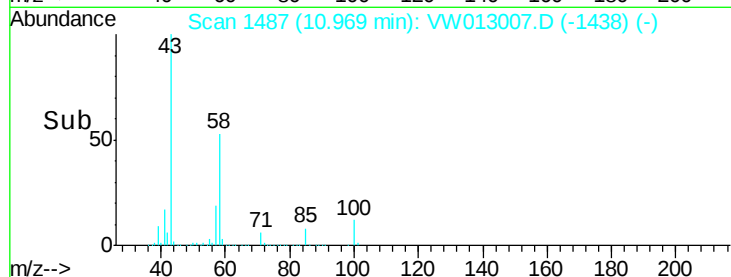
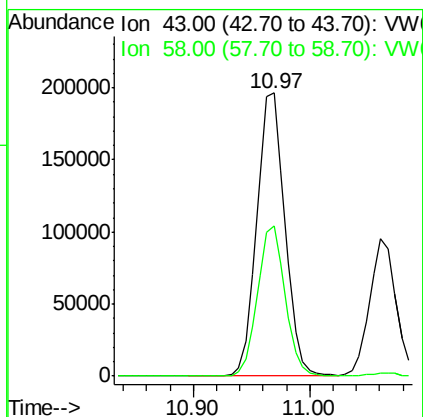
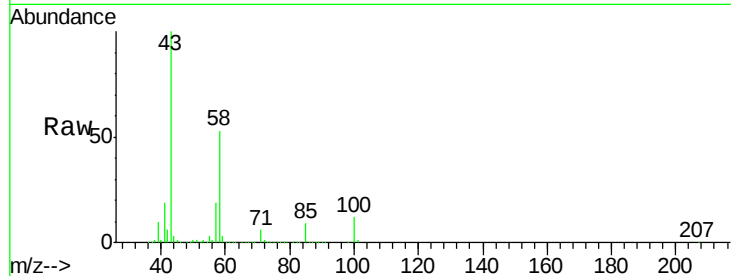
58 52.0 25.8 77.3

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#60

Dibromochloromethane

Concen: 54.058 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013007.D

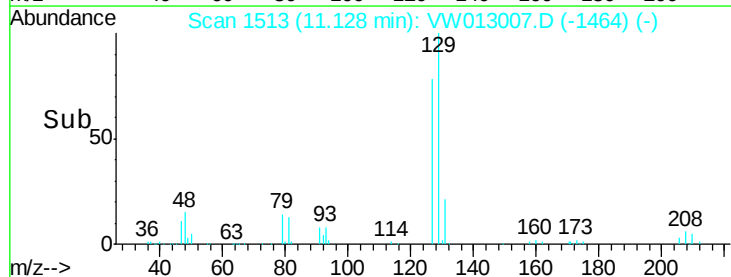
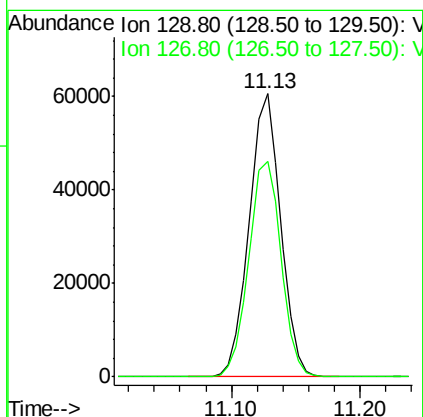
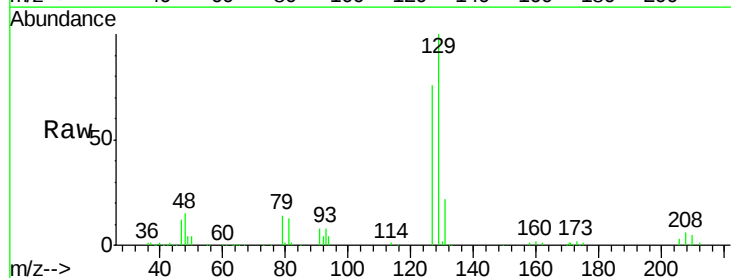
Acq: 14 Sep 2019 21:05

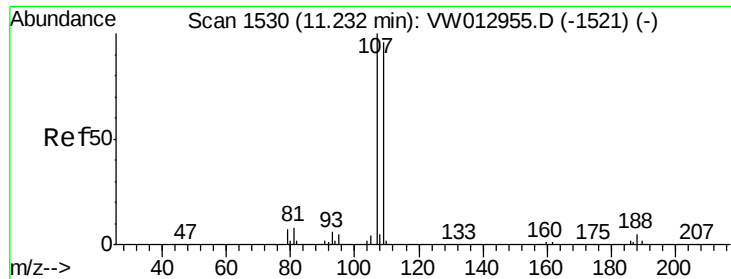
Tgt Ion: 129 Resp: 101890

Ion Ratio Lower Upper

129 100

127 78.1 37.4 112.2





#61

1,2-Dibromoethane

Concen: 56.941 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 80981

Ion Ratio Lower Upper

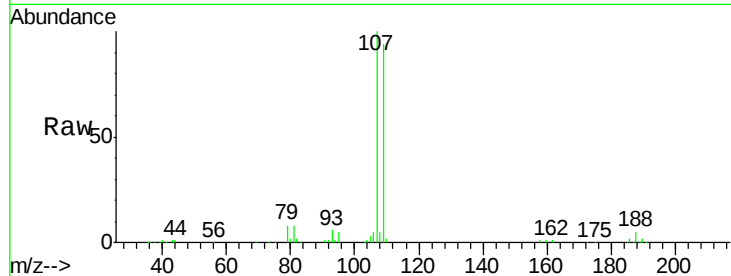
107 100

109 93.9 75.0 112.6

Manual Integrations
APPROVED

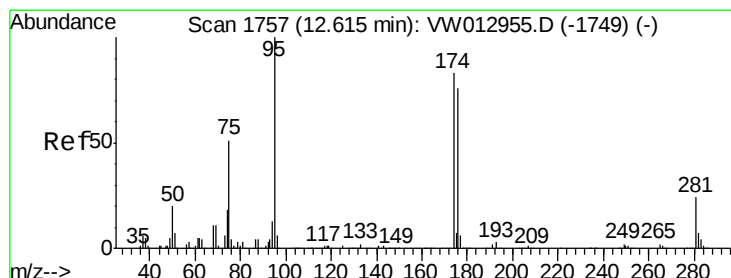
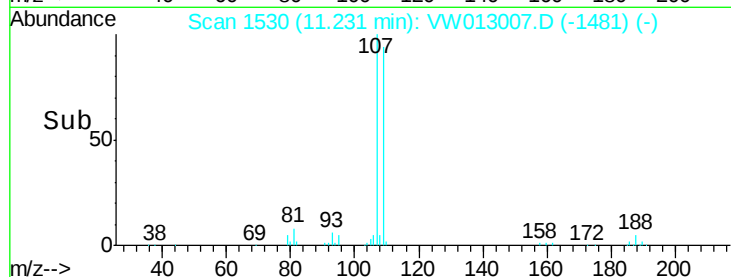
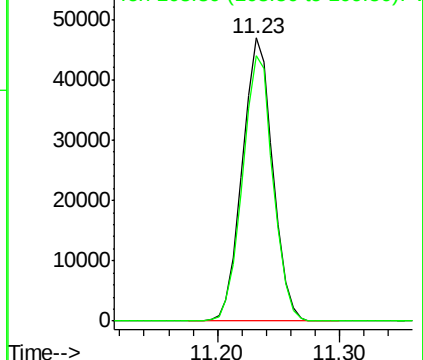
MMDadoda

9/16/2019 11:14:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.906 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

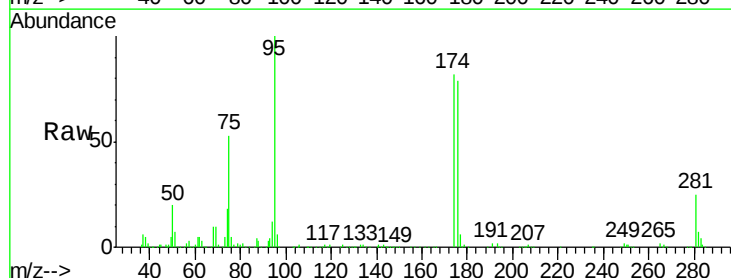
Tgt Ion: 95 Resp: 148331

Ion Ratio Lower Upper

95 100

174 86.2 0.0 170.4

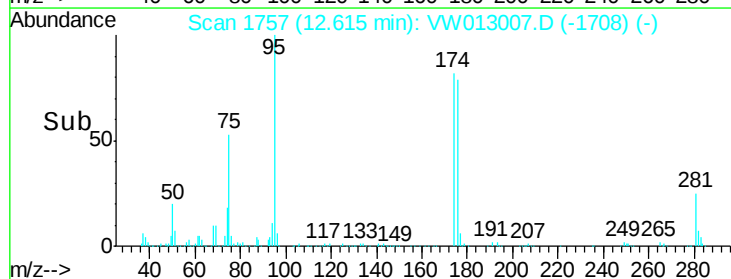
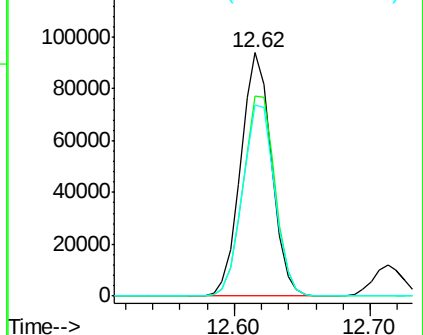
176 82.6 0.0 164.6

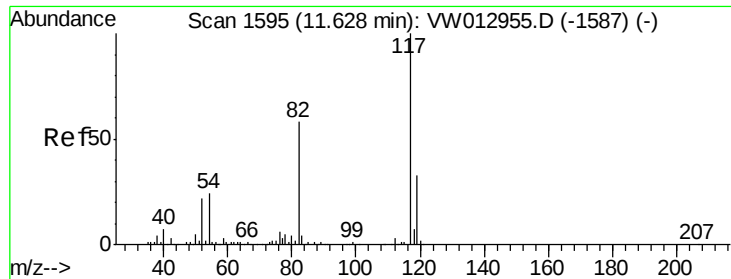


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





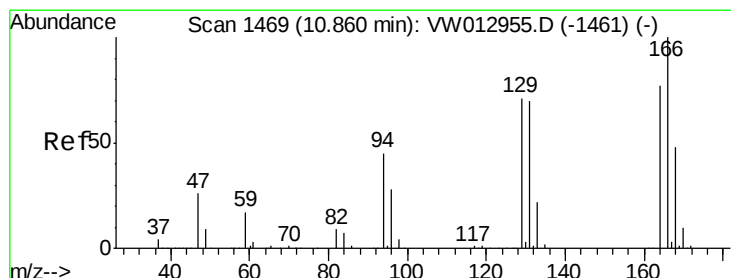
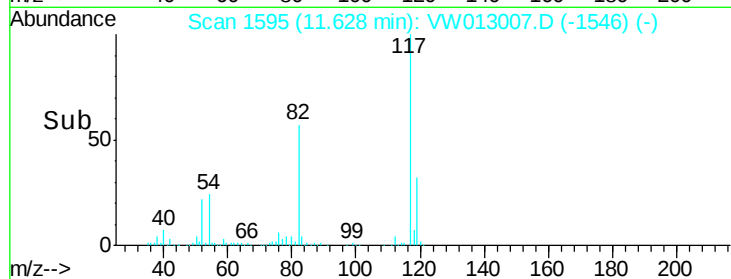
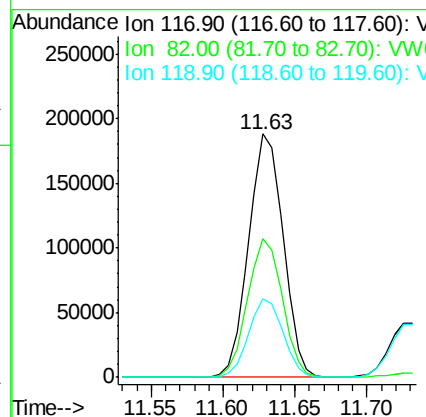
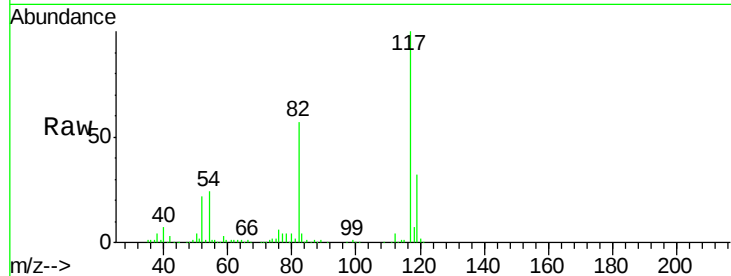
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	57.2	46.3	69.5	
119	32.4	26.2	39.4	

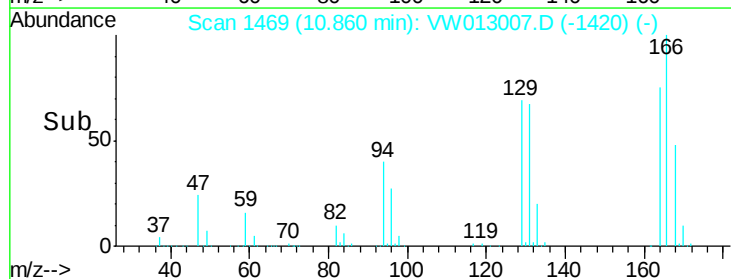
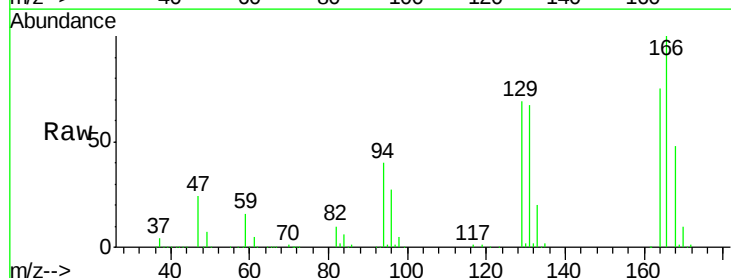
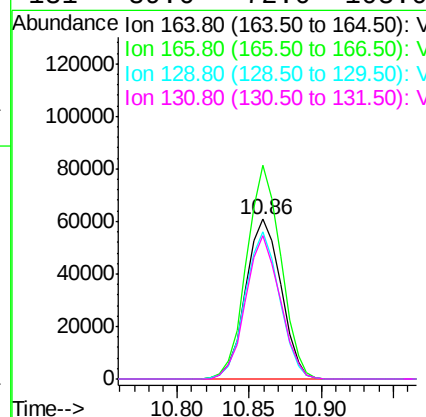
Manual Integrations
APPROVED

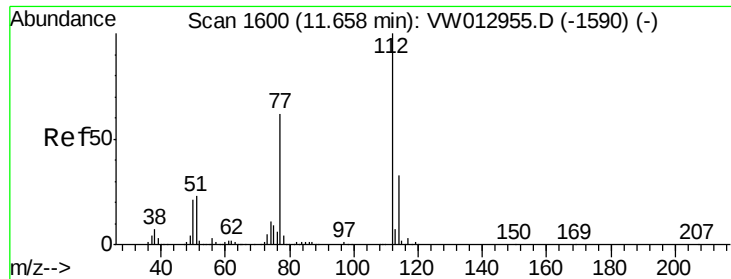
MMDadoda
9/16/2019 11:14:37 AM



#64
Tetrachloroethene
Concen: 55.551 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	133.9	103.3	154.9	
129	92.6	73.8	110.8	
131	89.6	72.0	108.0	





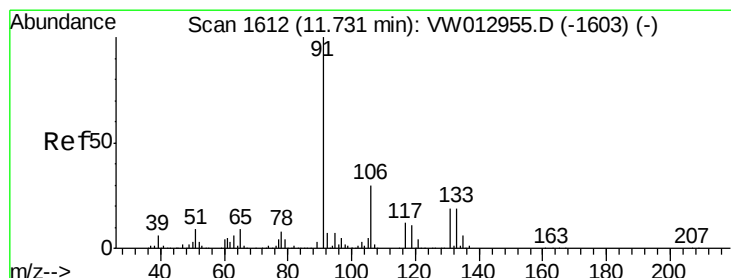
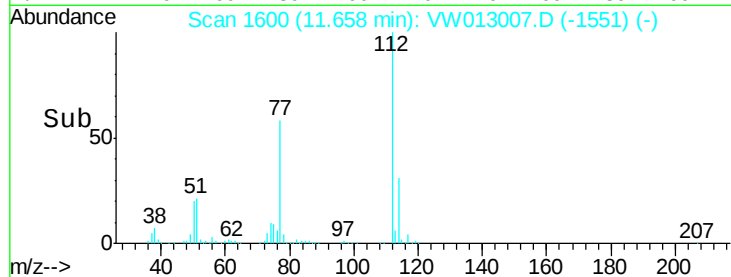
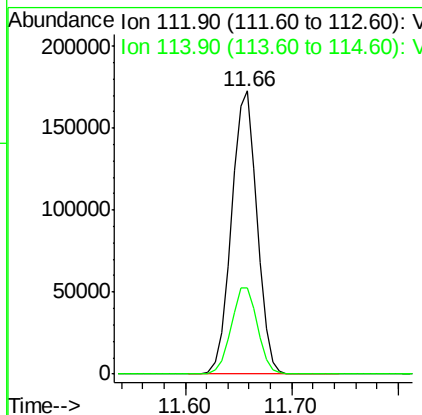
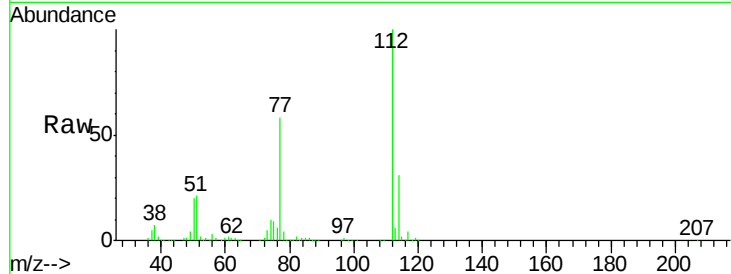
#65
Chlorobenzene
Concen: 51.987 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	26.4	39.6

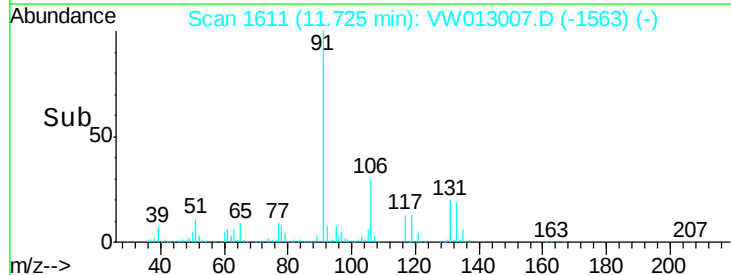
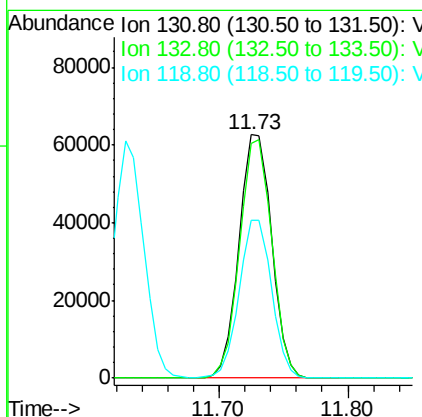
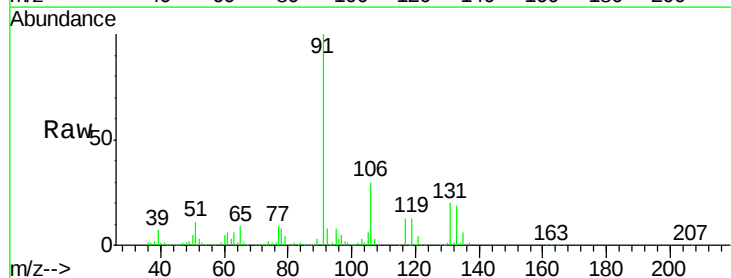
Manual Integrations
APPROVED

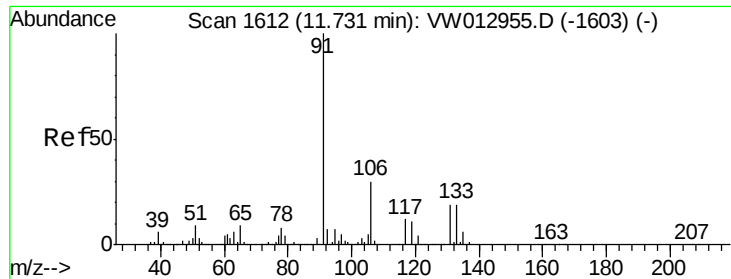
MMDadoda
9/16/2019 11:14:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.510 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.9	143.8
119	64.4	30.9	92.7





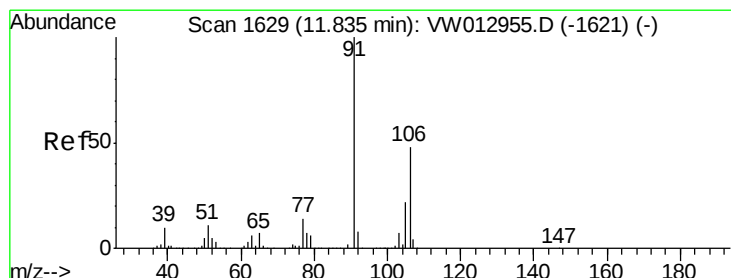
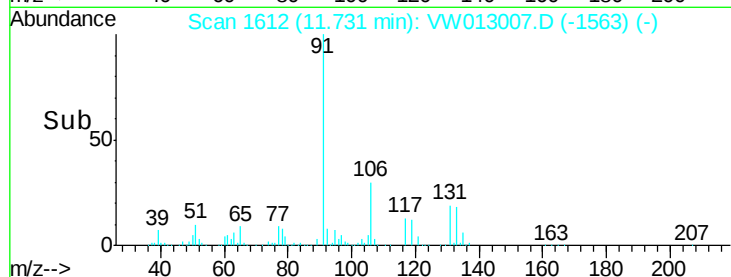
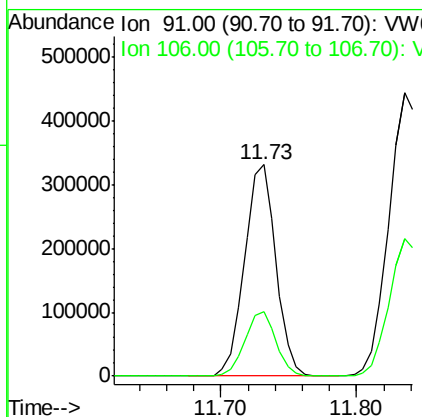
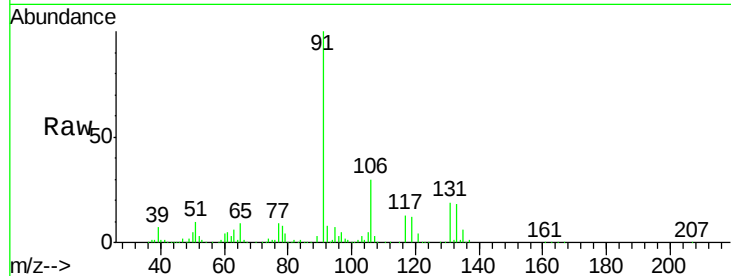
#67
Ethyl Benzene
Concen: 51.868 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 533954
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

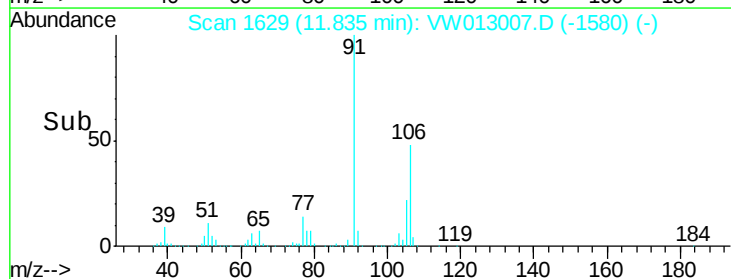
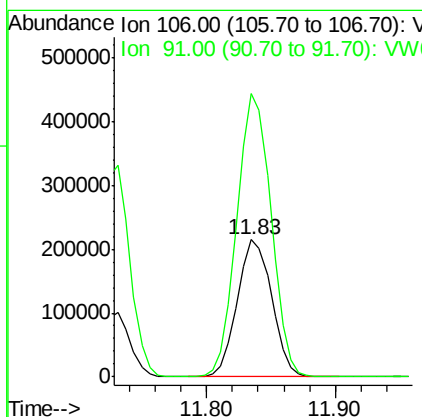
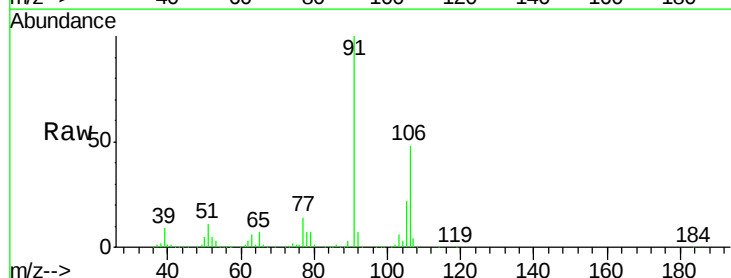
Manual Integrations
APPROVED

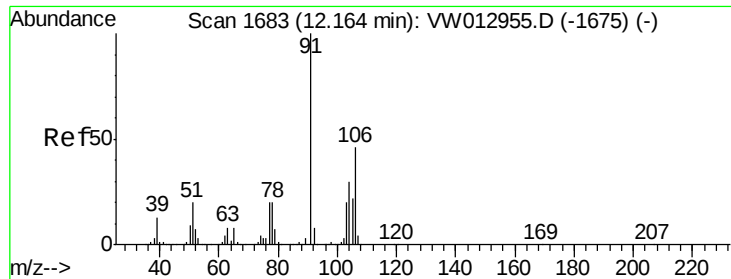
MMDadoda
9/16/2019 11:14:37 AM



#68
m/p-Xylenes
Concen: 105.834 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion: 106 Resp: 398007
Ion Ratio Lower Upper
106 100
91 205.2 165.8 248.8





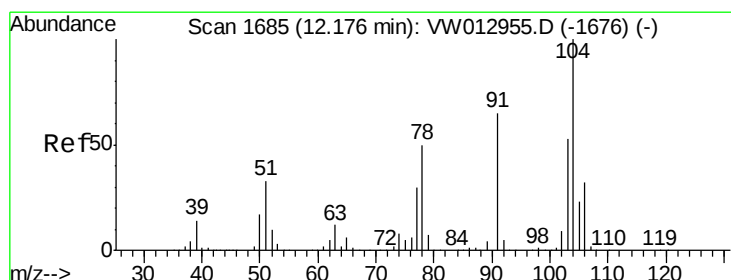
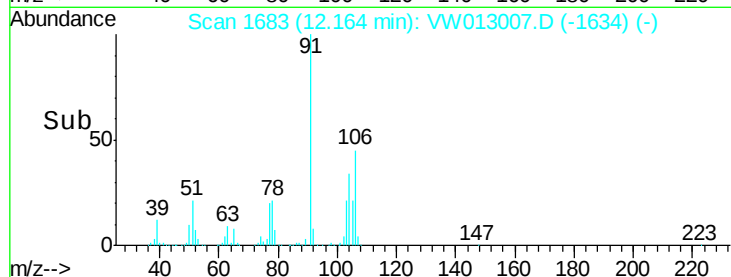
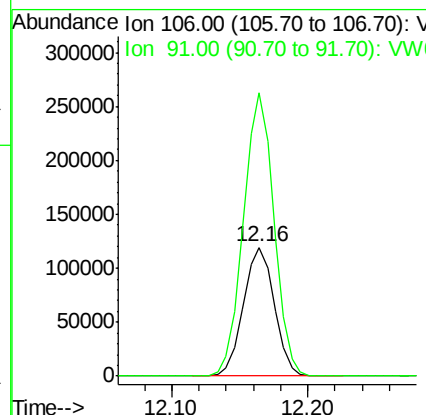
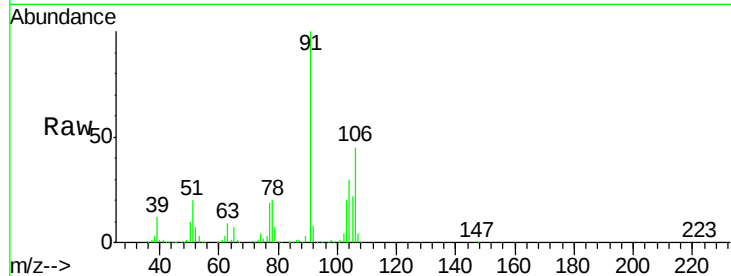
#69
o-Xylene
Concen: 53.649 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 189152
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0

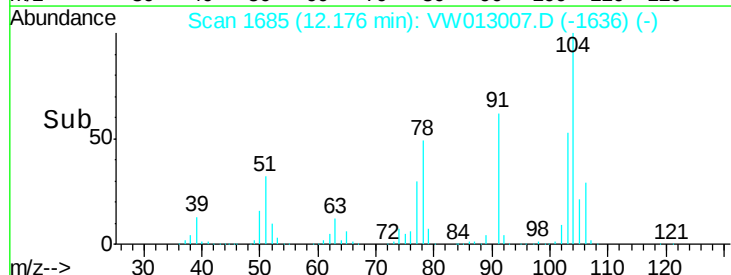
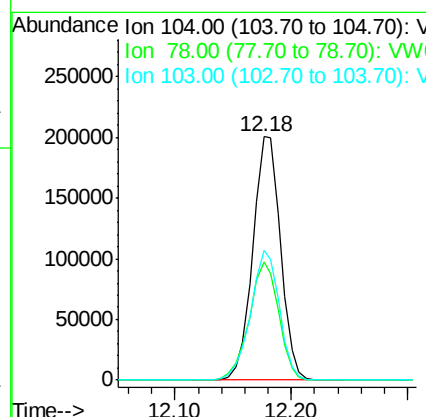
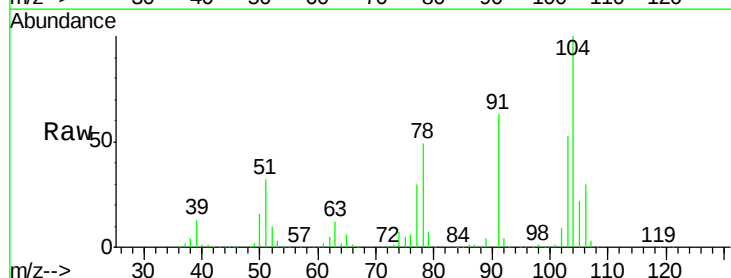
Manual Integrations
APPROVED

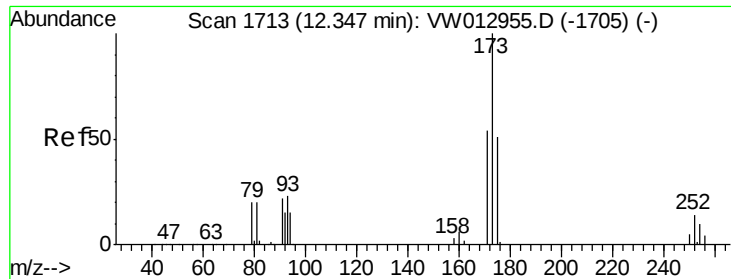
MMDadoda
9/16/2019 11:14:37 AM



#70
Styrene
Concen: 53.332 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion:104 Resp: 334491
Ion Ratio Lower Upper
104 100
78 51.5 42.1 63.1
103 55.1 44.2 66.4





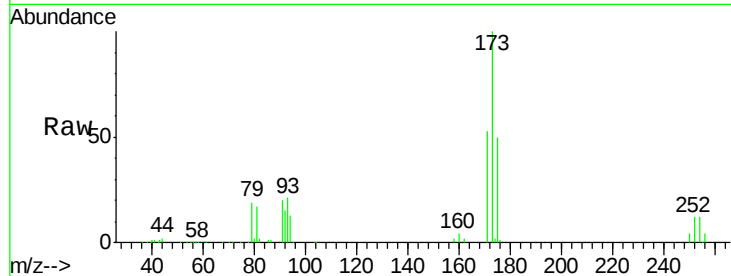
#71
Bromoform
Concen: 57.637 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

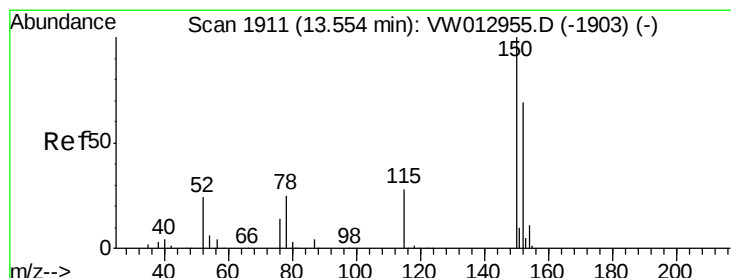
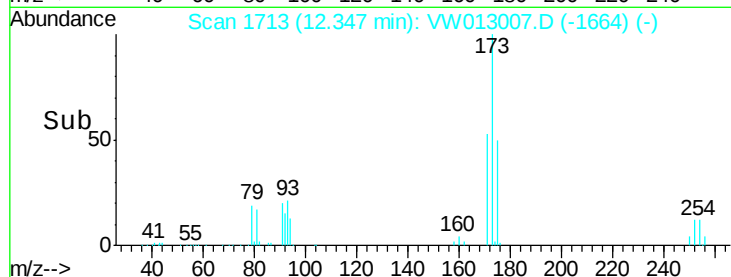
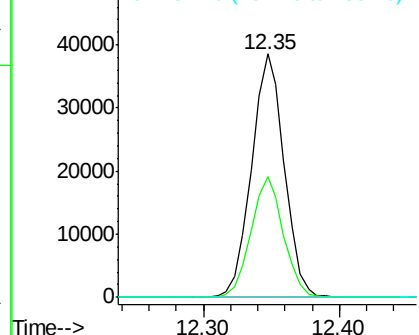
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM

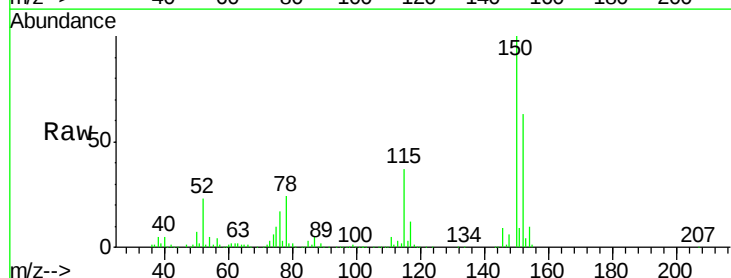


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

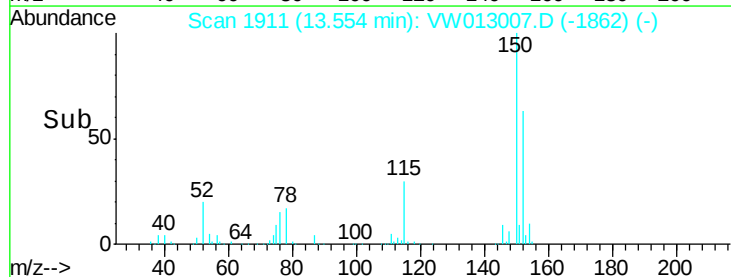
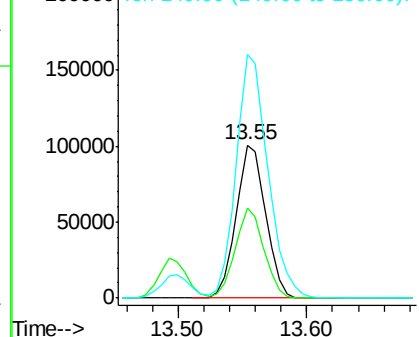


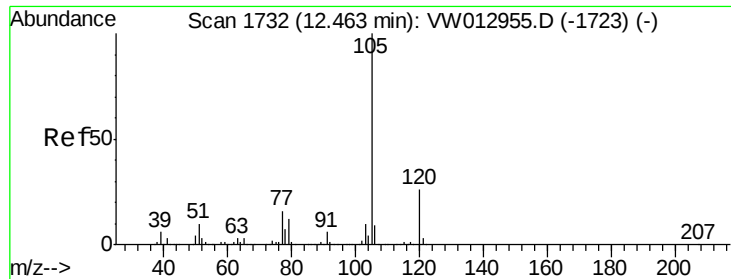
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.8	86.4
150	171.4	0.0	340.2



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: 51.528 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 549375

Ion Ratio Lower Upper

105 100

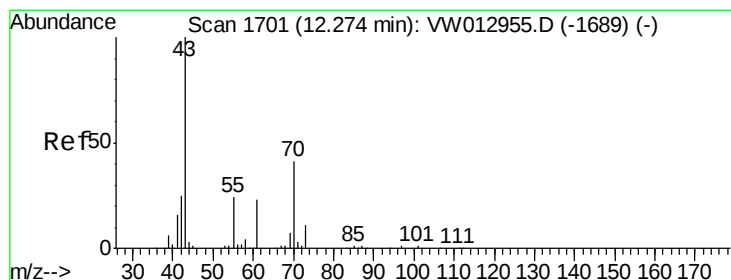
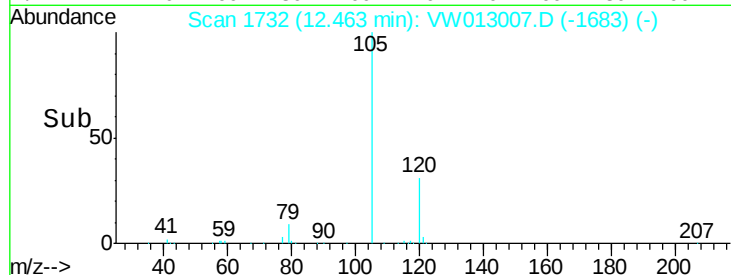
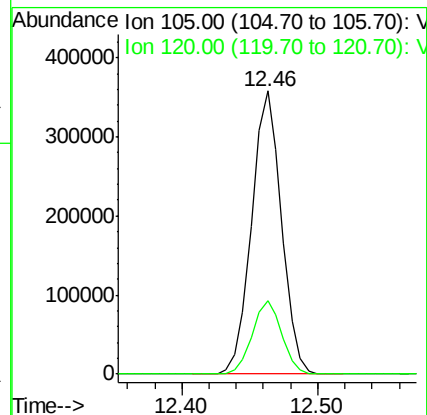
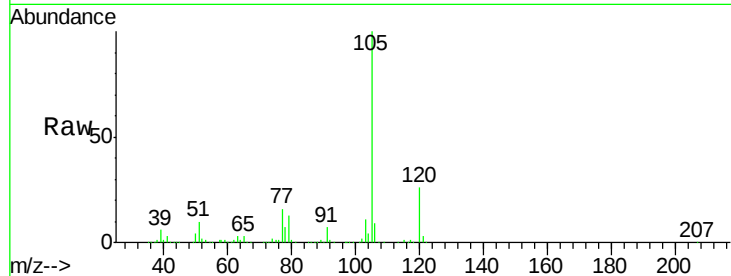
120 25.9 13.0 39.0

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#74

N-ethyl acetate

Concen: 58.913 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion: 43 Resp: 161577

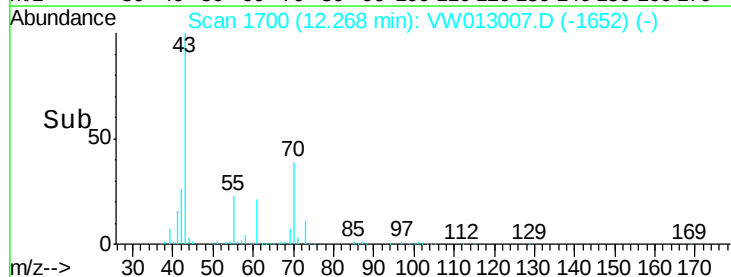
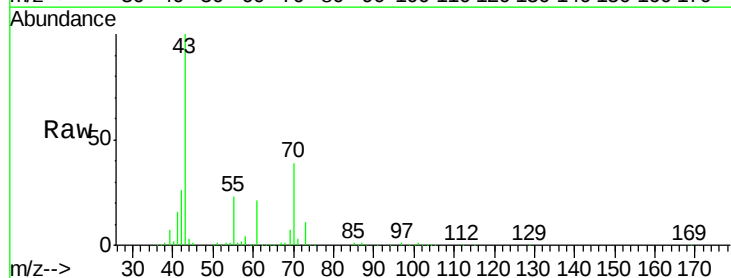
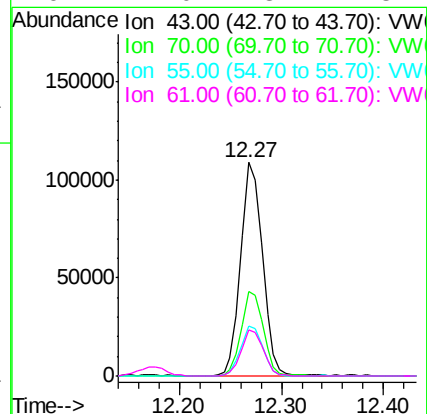
Ion Ratio Lower Upper

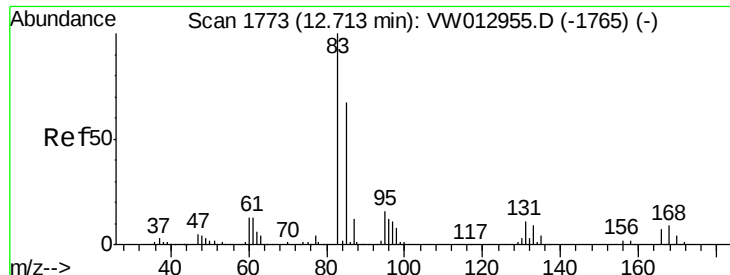
43 100

70 39.9 31.7 47.5

55 23.8 19.4 29.2

61 22.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 58.542 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

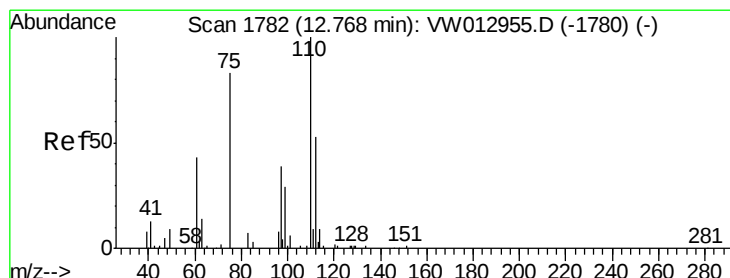
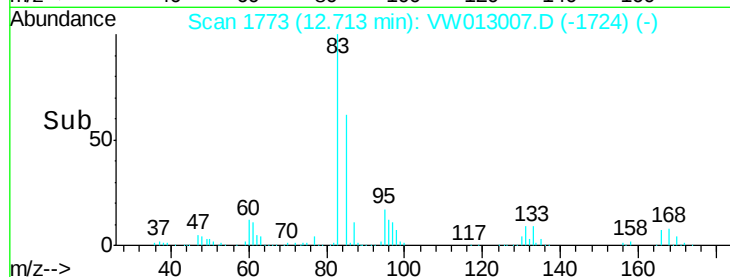
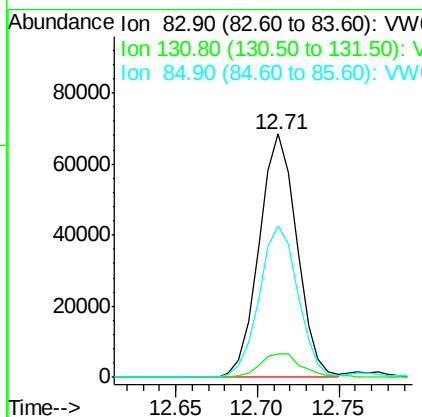
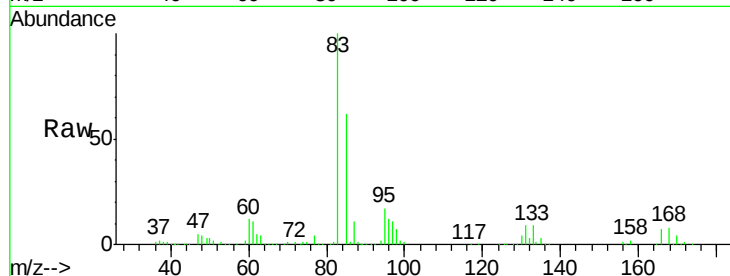
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	109626
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.1
85	63.7	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#76

1,2,3-Trichloropropane

Concen: 62.207 ug/l m

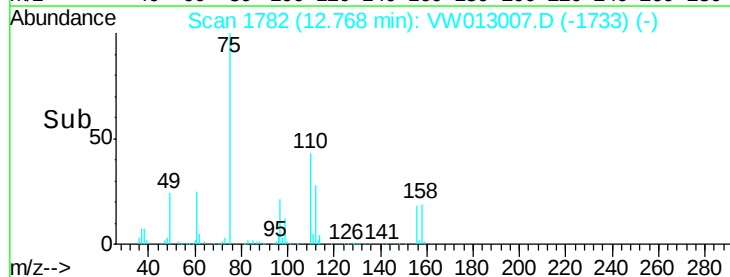
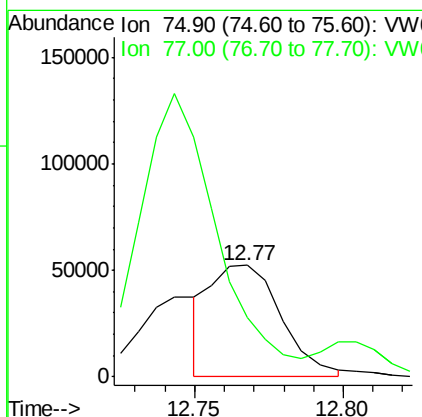
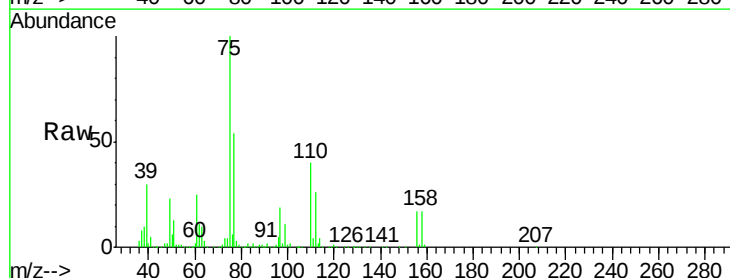
RT: 12.77 min Scan# 1782

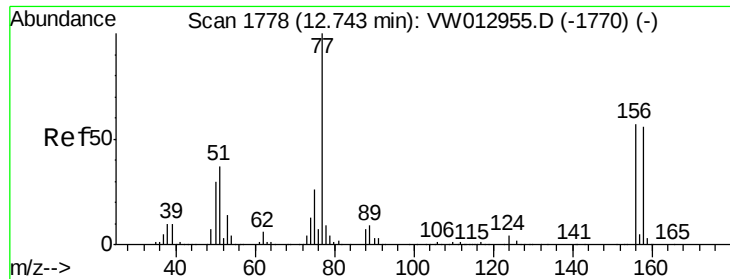
Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	75	Resp:	87646
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.722 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

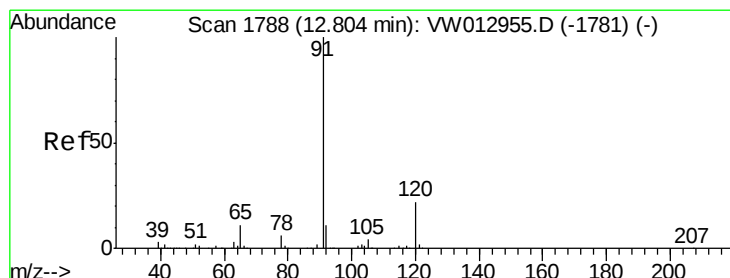
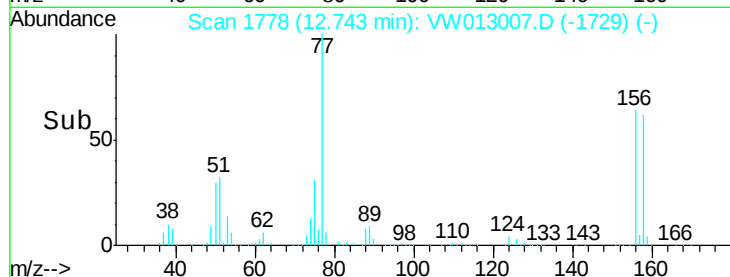
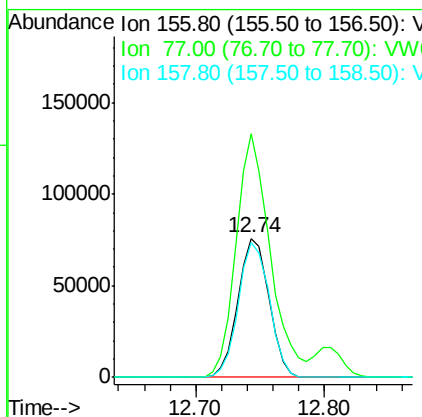
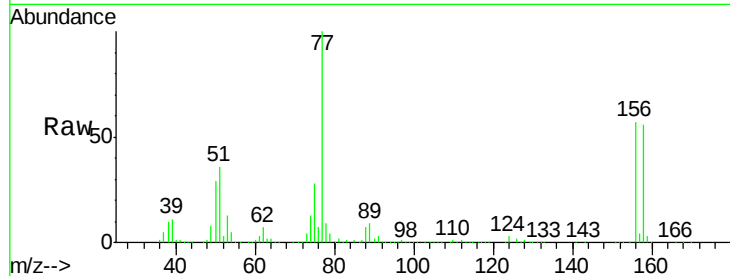
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	127038
Ion Ratio	Lower	Upper	
156	100		
77	192.0	95.2	285.6
158	96.4	49.0	147.2

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#78

n-propylbenzene

Concen: 51.637 ug/l

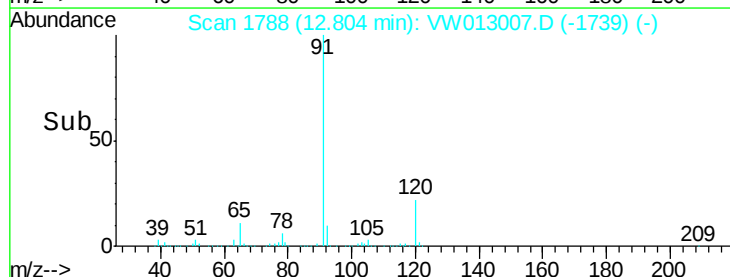
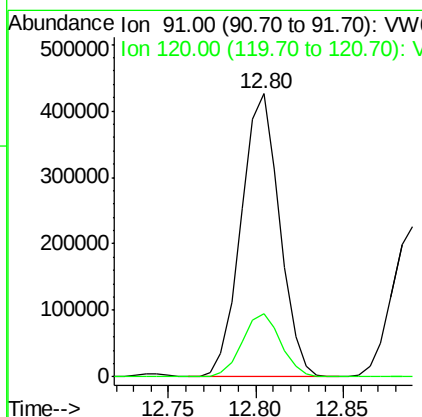
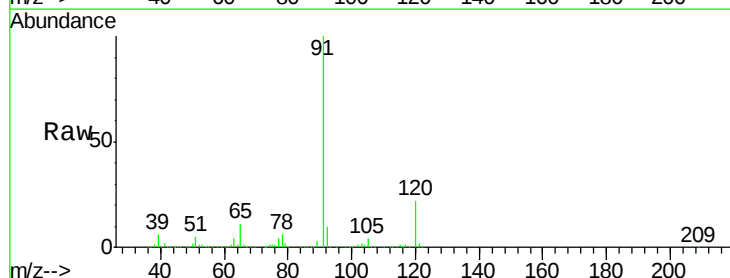
RT: 12.80 min Scan# 1788

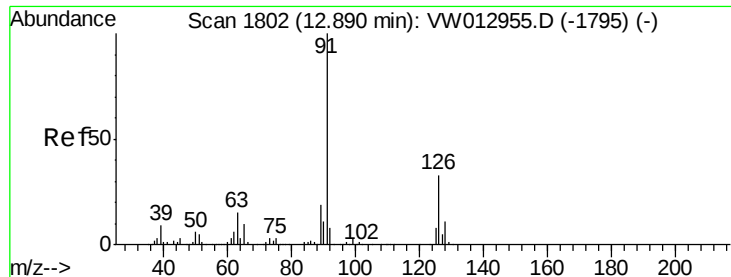
Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	91	Resp:	647596
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 51.012 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 367768

Ion Ratio Lower Upper

91 100

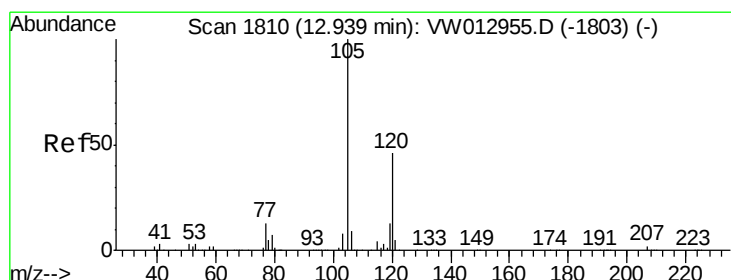
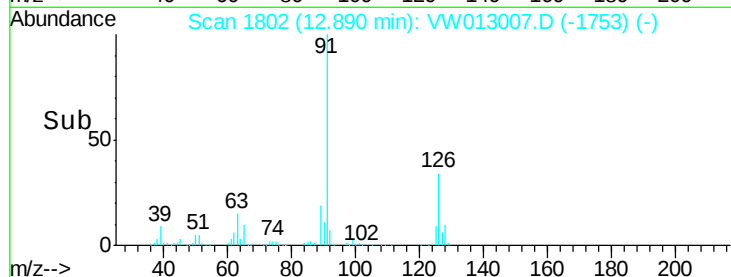
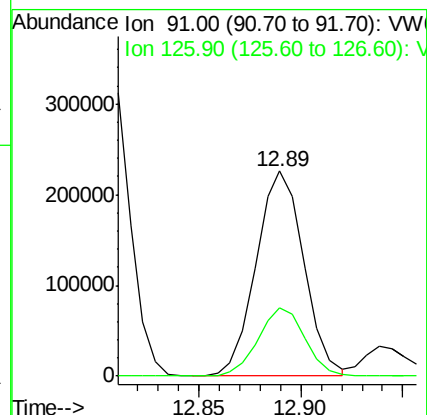
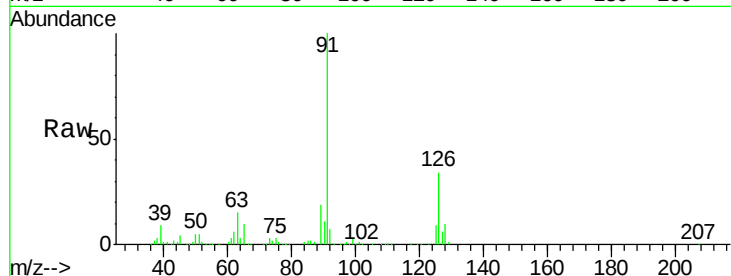
126 33.1 16.5 49.5

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.339 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW013007.D

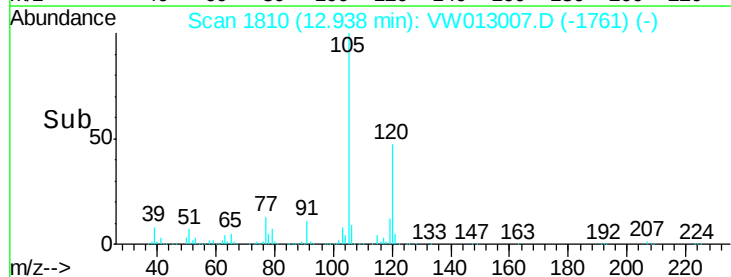
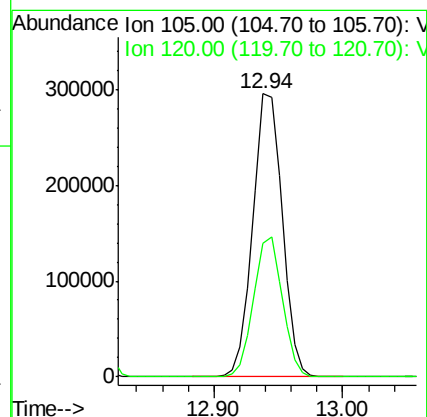
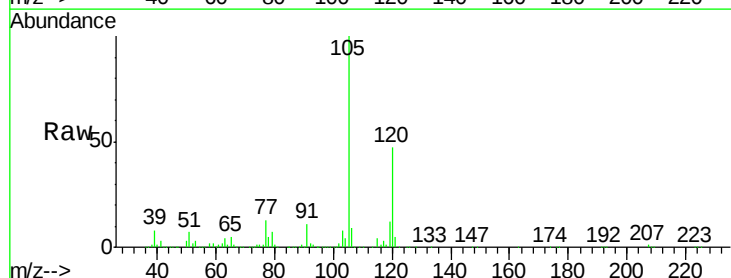
Acq: 14 Sep 2019 21:05

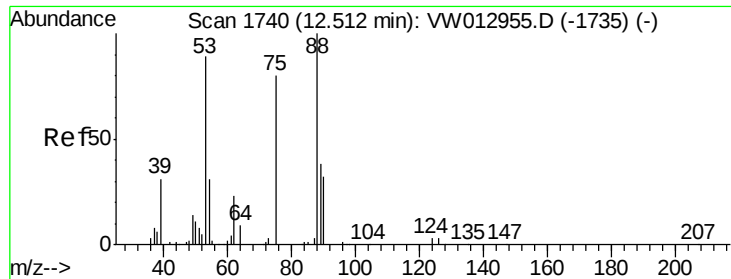
Tgt Ion:105 Resp: 463068

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6





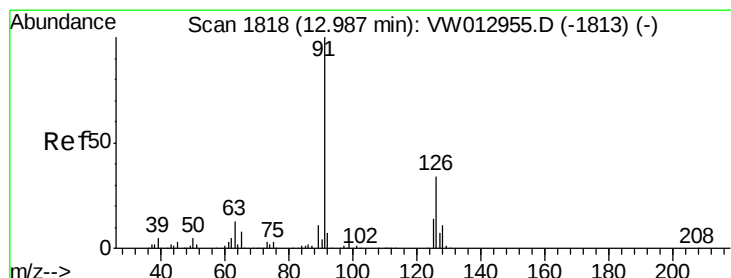
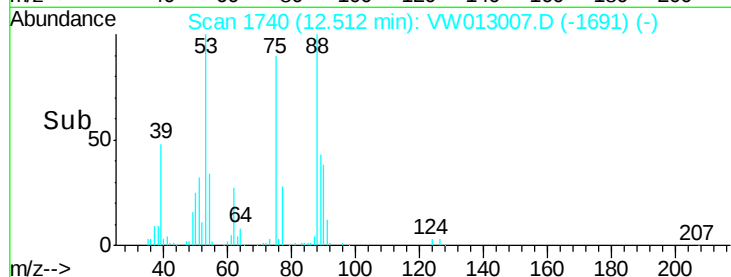
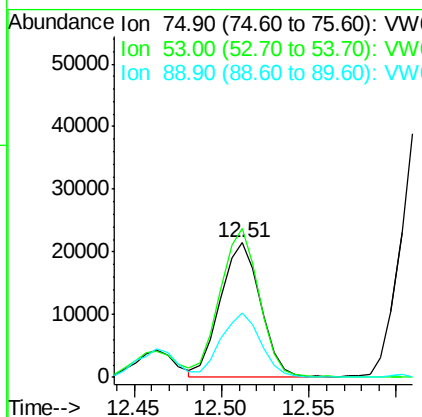
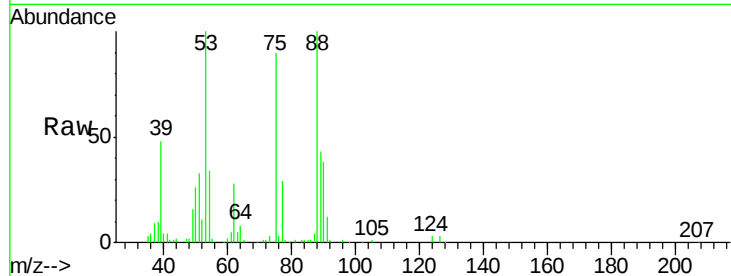
#81
trans-1,4-Dichloro-2-butene
Concen: 54.696 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.6	85.6	128.4
89	48.1	37.2	55.8

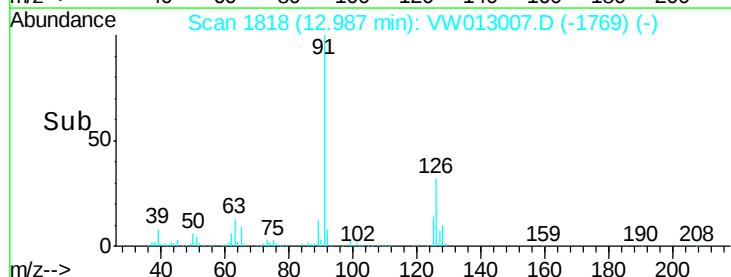
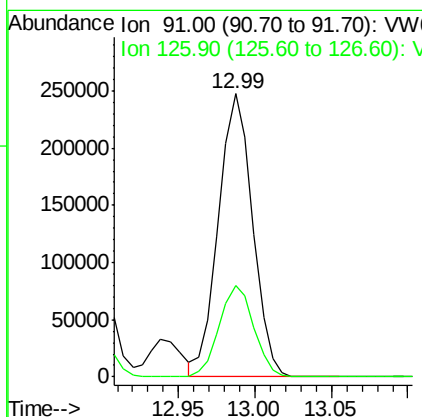
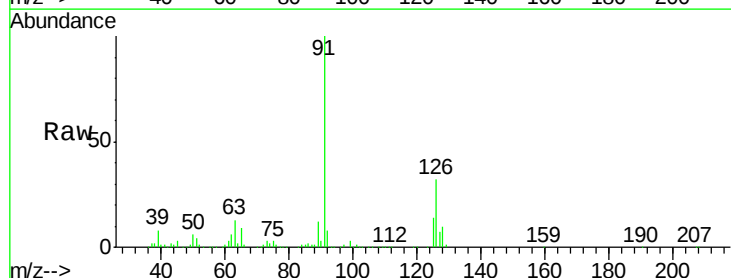
Manual Integrations
APPROVED

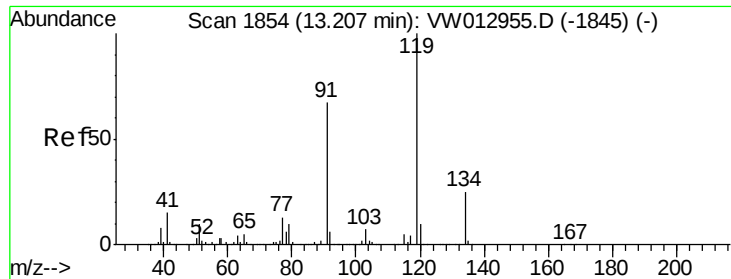
MMDadoda
9/16/2019 11:14:37 AM



#82
4-Chlorotoluene
Concen: 50.366 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.1	48.3





#83

tert-Butylbenzene

Concen: 51.646 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

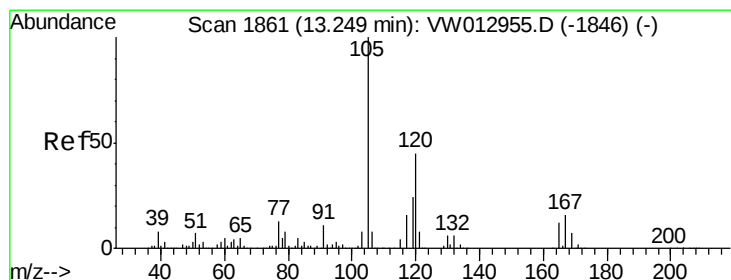
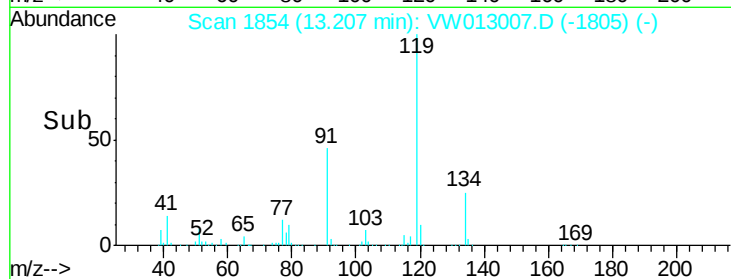
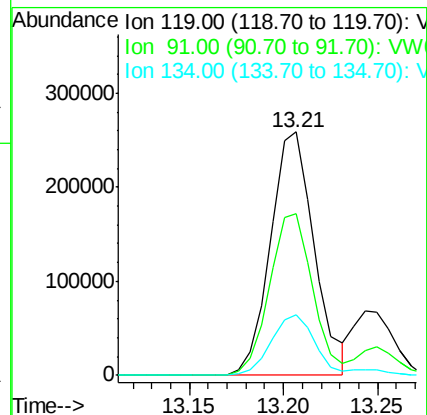
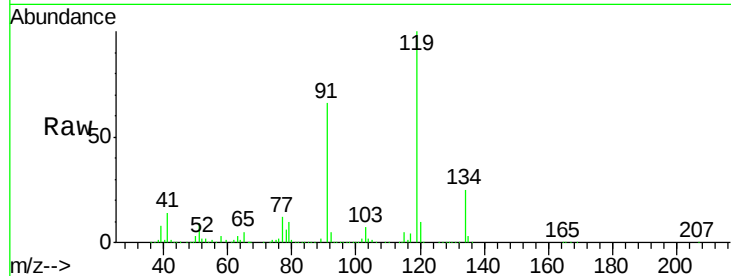
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	416673
Ion Ratio	Lower	Upper	
119	100		
91	65.5	32.6	98.0
134	26.6	12.4	37.4

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.123 ug/l

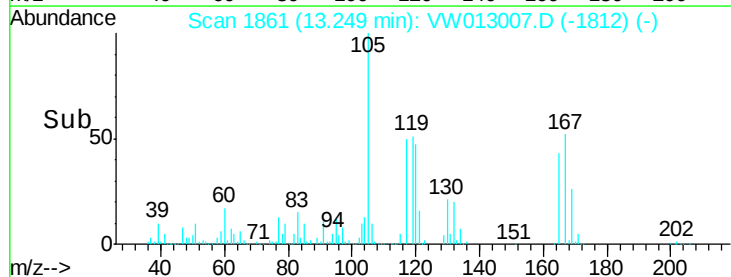
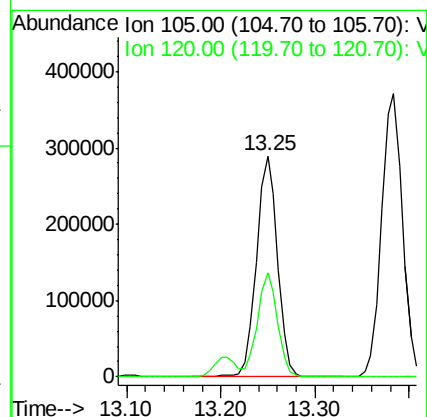
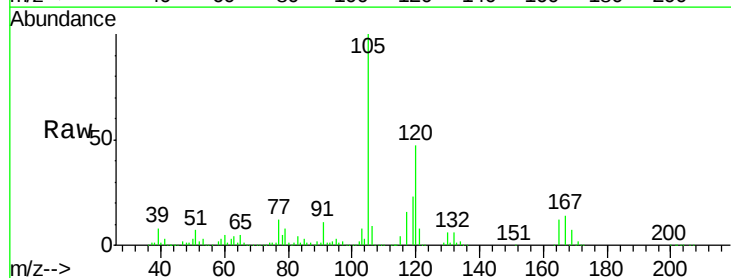
RT: 13.25 min Scan# 1861

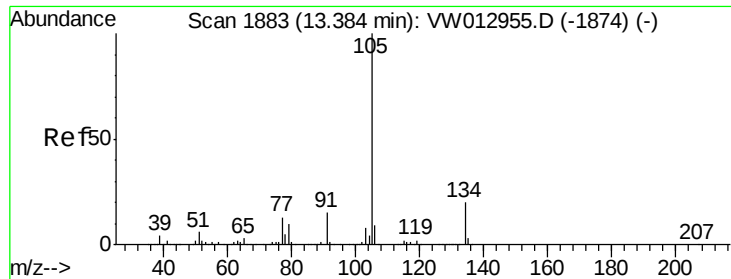
Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion:	105	Resp:	455660
Ion Ratio	Lower	Upper	
105	100		
120	45.4	21.9	65.7





#85

sec-Butylbenzene

Concen: 51.748 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 568821

Ion Ratio Lower Upper

105 100

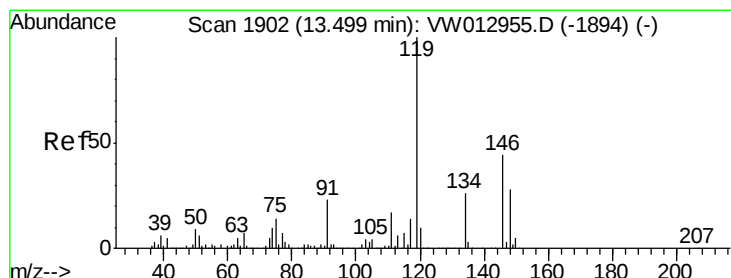
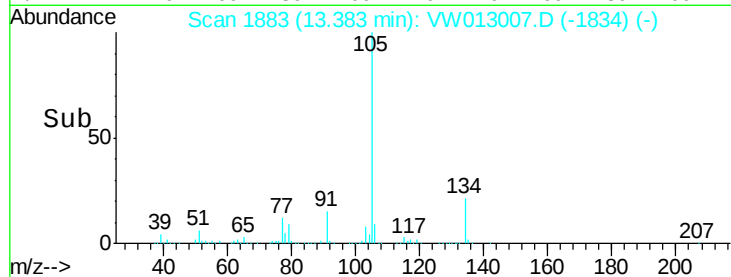
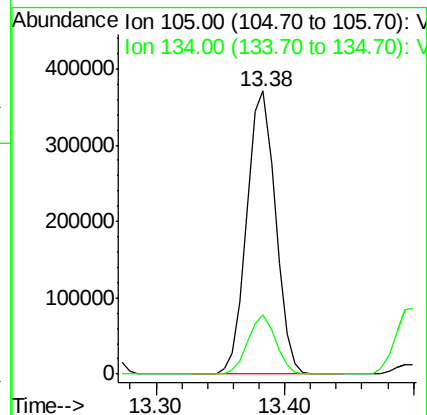
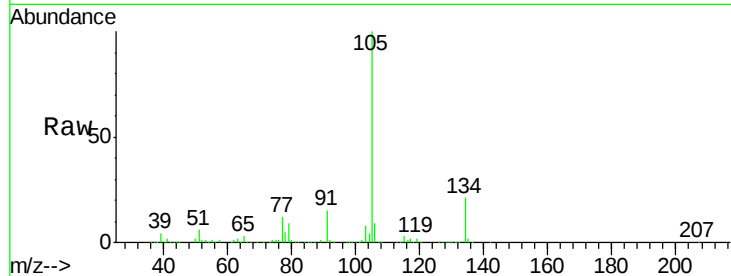
134 20.4 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

9/16/2019 11:14:37 AM



#86

p-Isopropyltoluene

Concen: 51.735 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

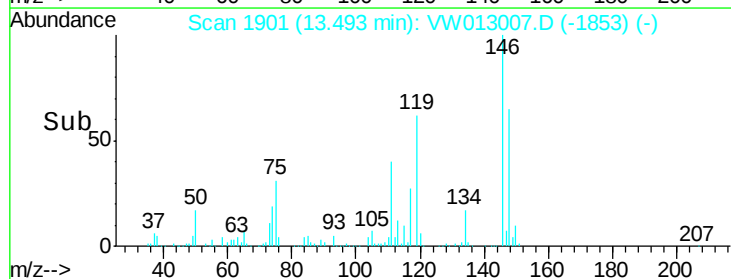
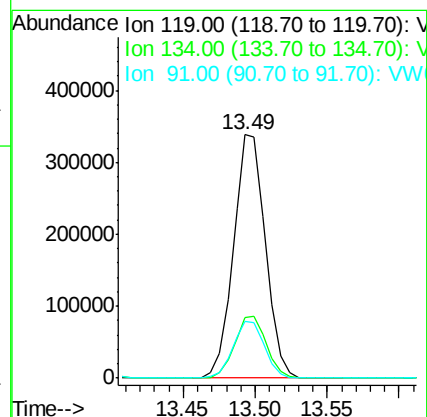
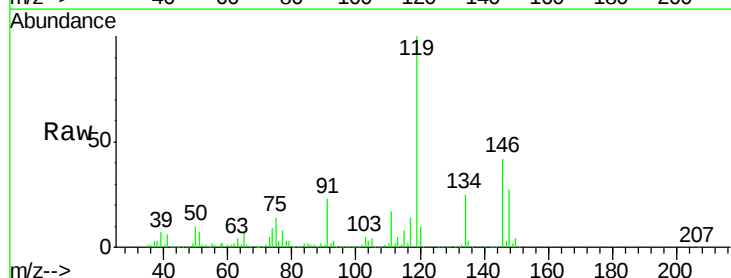
Tgt Ion:119 Resp: 522106

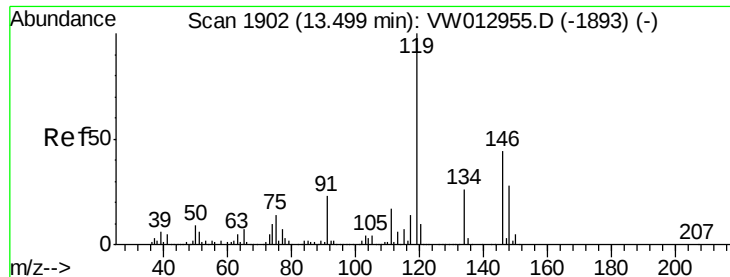
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 23.2 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 49.578 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

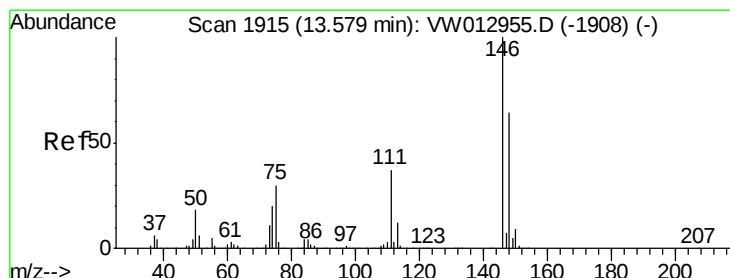
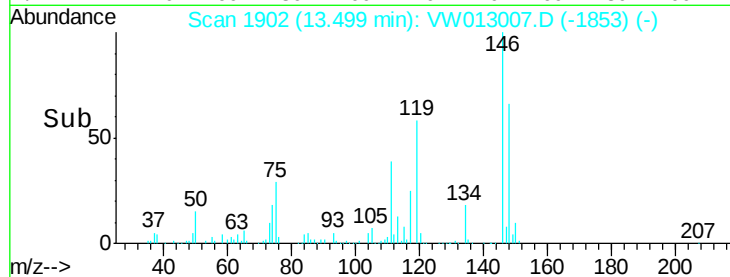
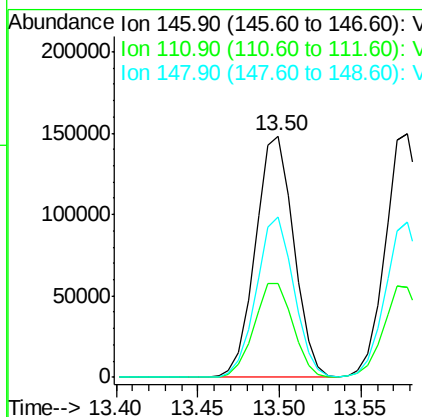
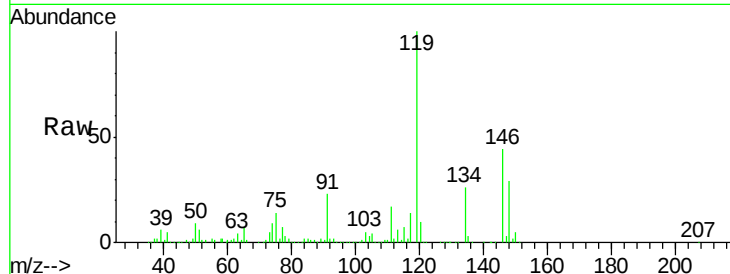
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	241061		
111	39.6	19.8	59.4	
148	65.2	31.9	95.7	

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#88

1,4-Dichlorobenzene

Concen: 51.123 ug/l

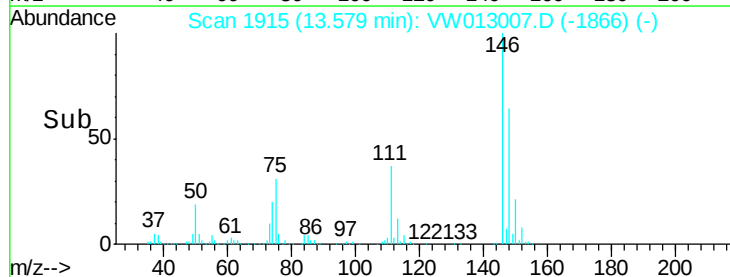
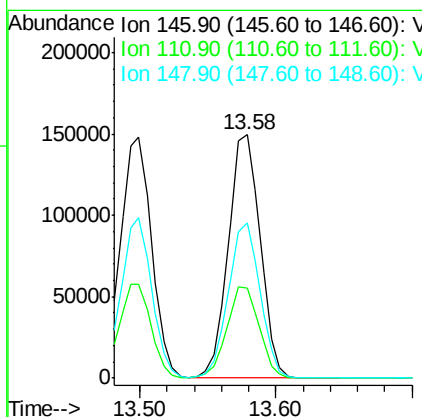
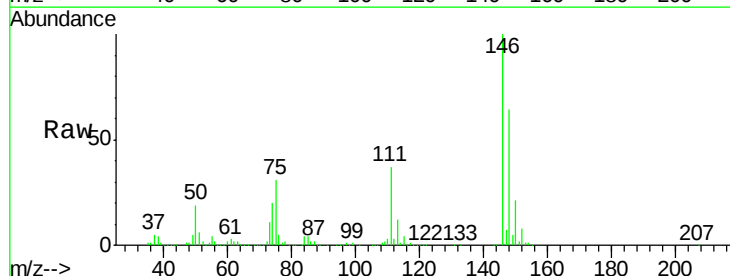
RT: 13.58 min Scan# 1915

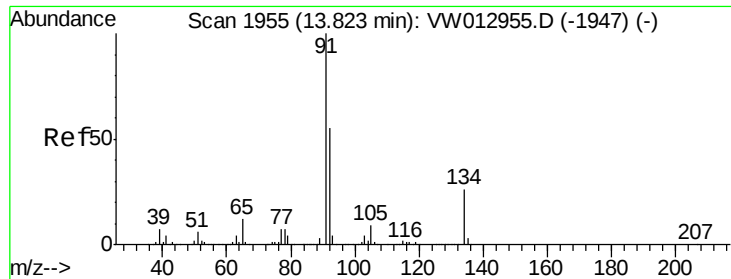
Delta R.T. -0.00 min

Lab File: VW013007.D

Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	244273		
111	38.3	19.4	58.2	
148	63.7	31.9	95.5	





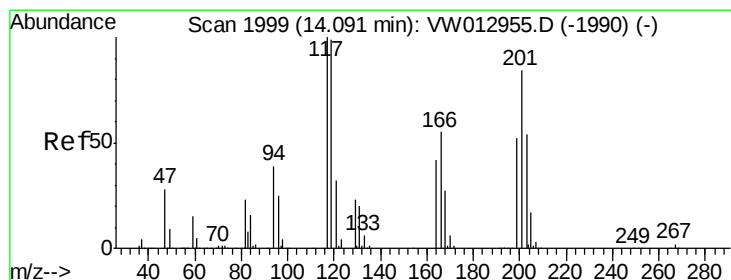
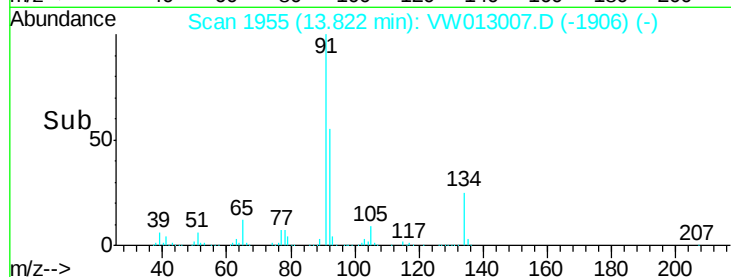
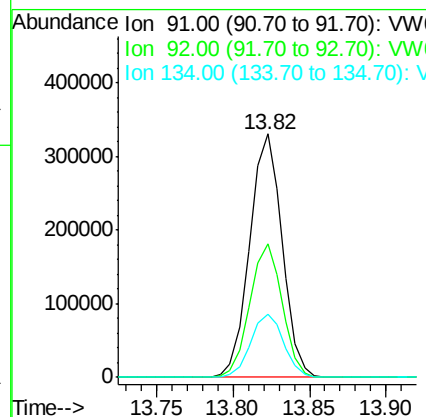
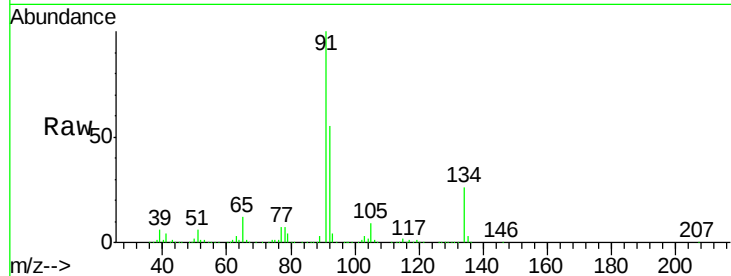
#89
n-Butylbenzene
Concen: 51.205 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.2	81.5	
134	26.3	13.1	39.1	

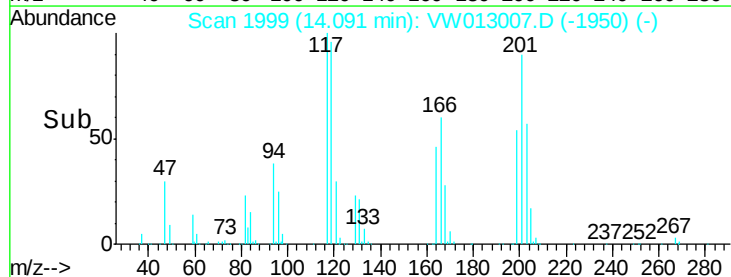
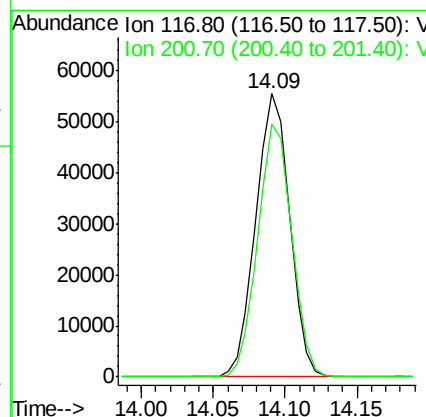
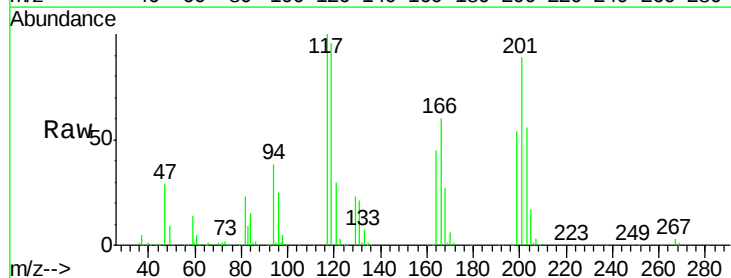
Manual Integrations
APPROVED

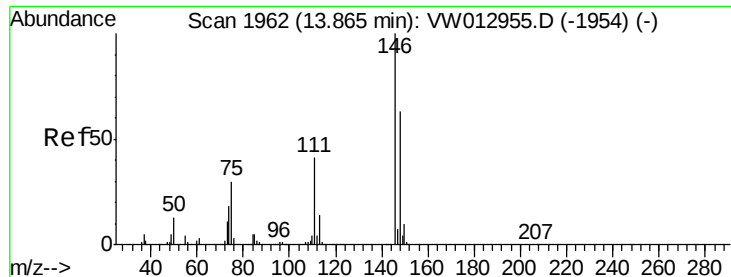
MMDadoda
9/16/2019 11:14:37 AM



#90
Hexachloroethane
Concen: 50.043 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.5	45.3	135.9	





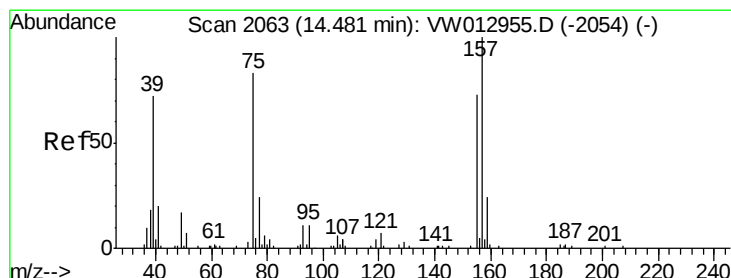
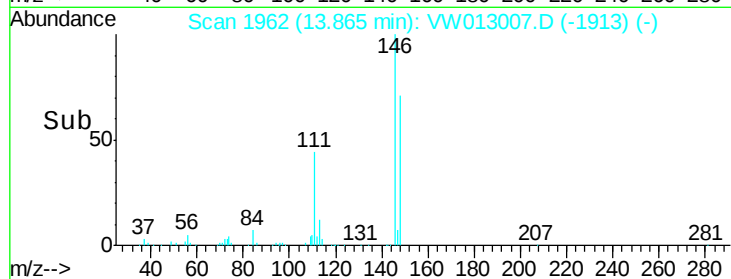
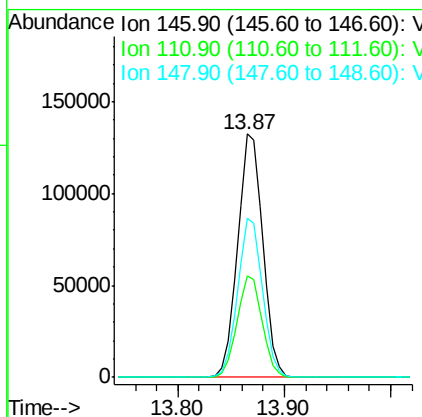
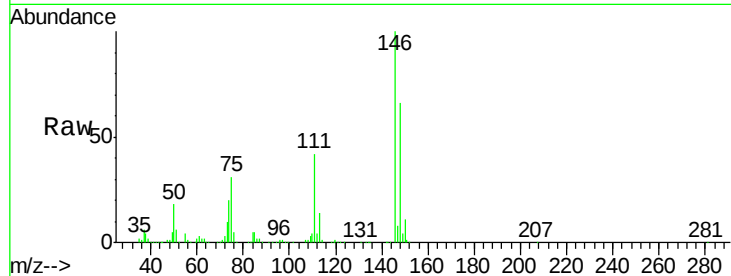
#91
 1,2-Dichlorobenzene
 Concen: 51.504 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	220223		
111	41.4		20.8	62.5
148	64.5		32.7	98.1

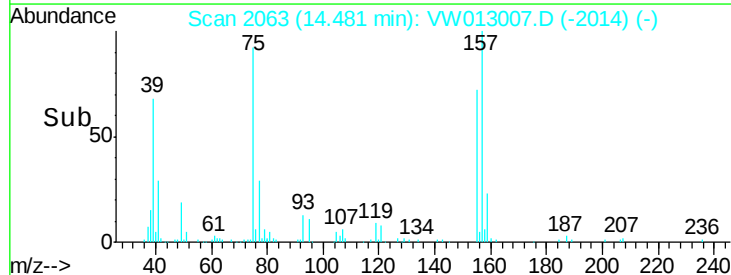
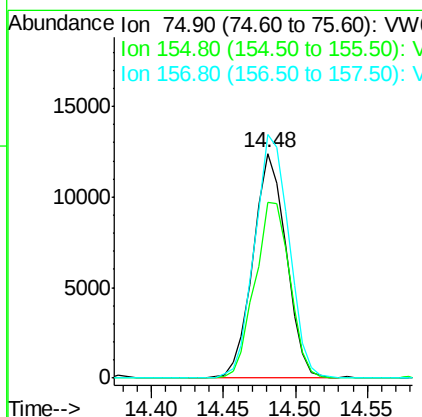
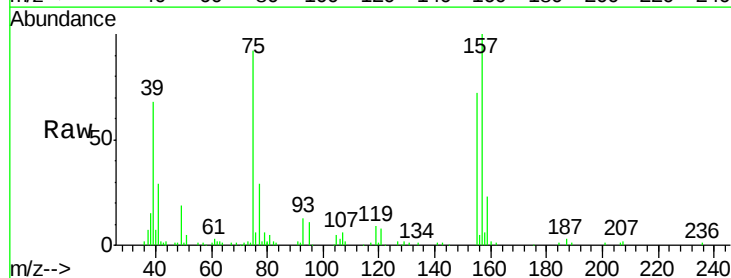
Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.395 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19673		
155	82.6		43.3	129.9
157	112.3		54.7	164.1





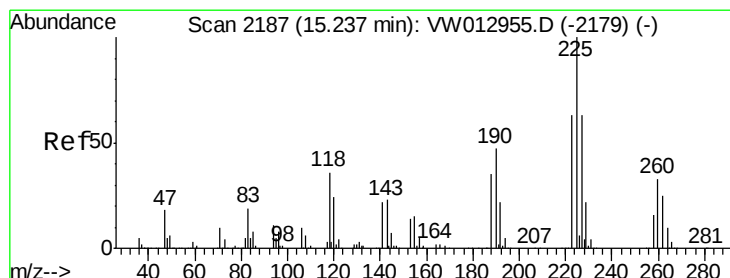
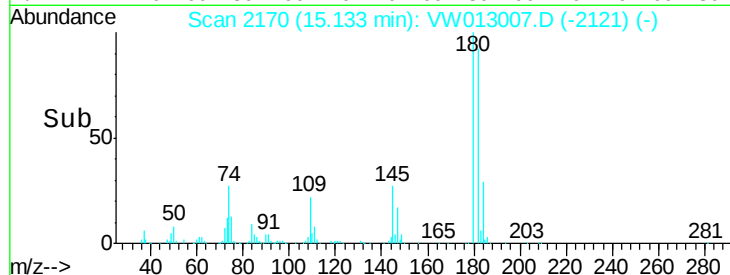
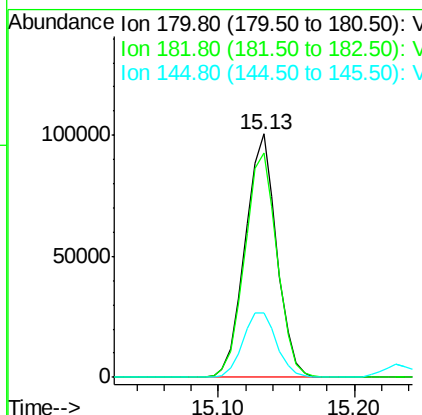
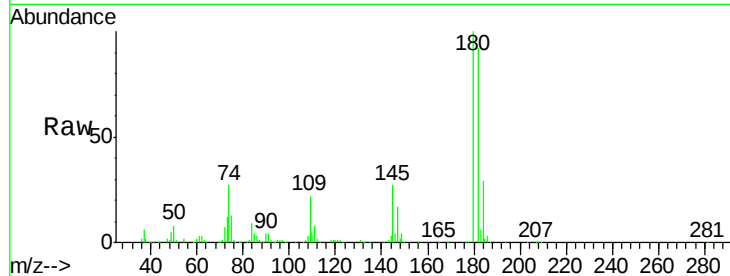
#93
 1,2,4-Trichlorobenzene
 Concen: 53.156 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162094		
182	94.9	47.4	142.2	
145	28.7	14.9	44.7	

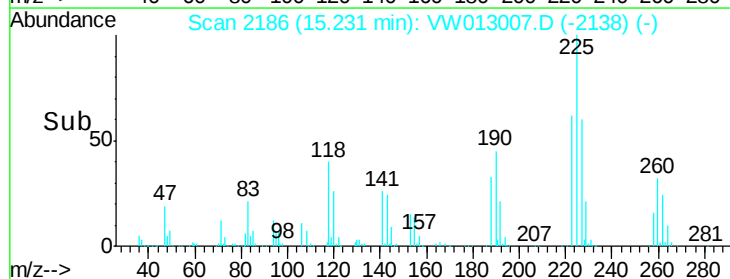
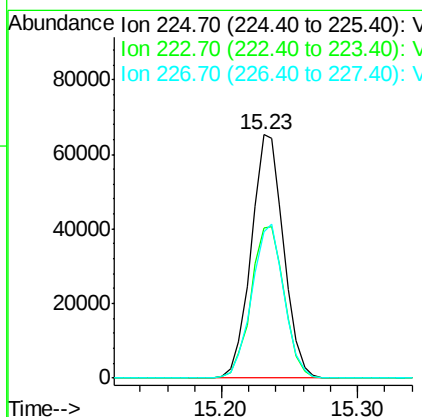
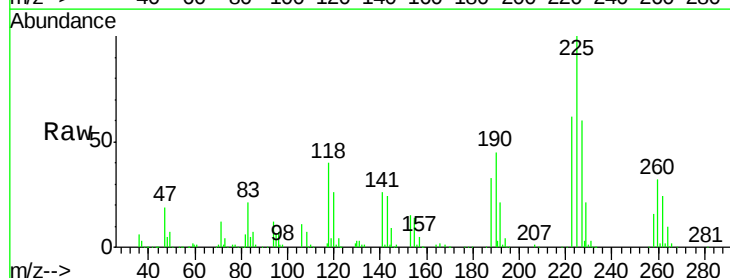
Manual Integrations
 APPROVED

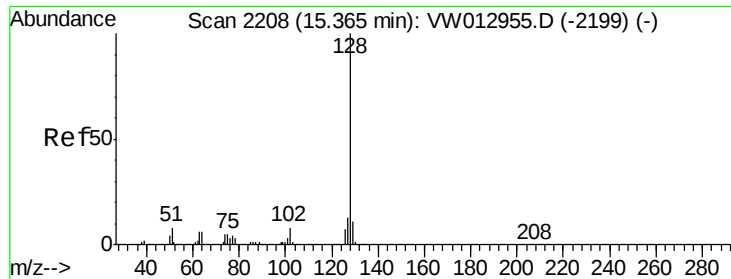
MMDadoda
 9/16/2019 11:14:37 AM



#94
 Hexachlorobutadiene
 Concen: 50.355 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013007.D
 Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108703		
223	63.8	31.8	95.3	
227	62.9	31.3	93.8	





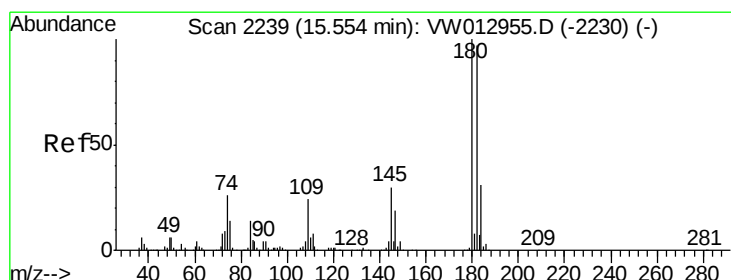
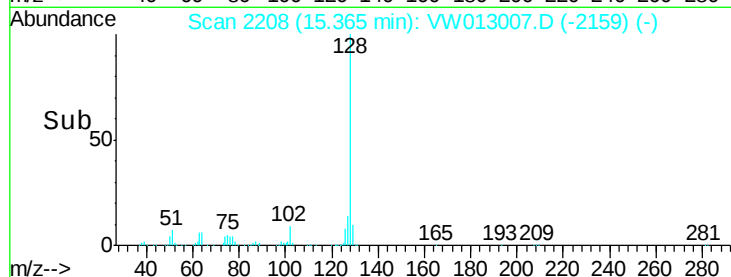
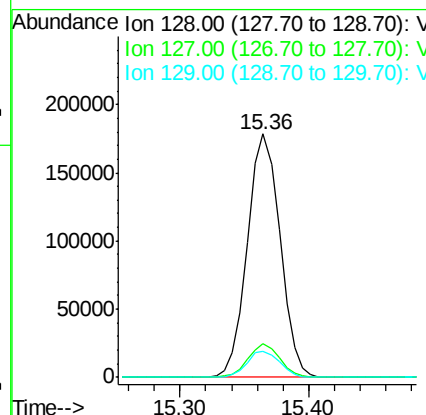
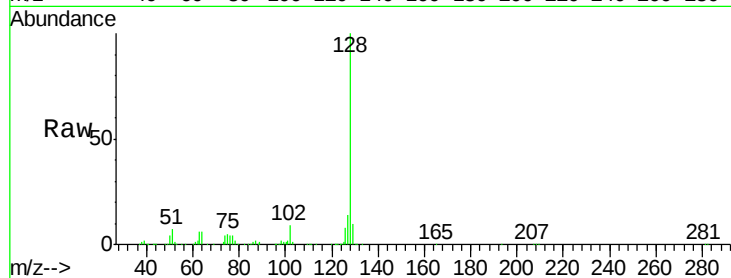
#95
Naphthalene
Concen: 61.695 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.6
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.552 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013007.D
Acq: 14 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.6	142.8
145	30.5	15.4	46.2

