

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012583.D
 Acq On : 04 Sep 2019 09:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:09 AM

Quant Time: Sep 04 15:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147470	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	108299	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.32	98	461070	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	163824	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84393	59.322	ug/l	95
3) Chloromethane	2.21	50	113568	51.527	ug/l	98
4) Vinyl Chloride	2.36	62	137047	50.802	ug/l	100
5) Bromomethane	2.78	94	70416	51.541	ug/l	99
6) Chloroethane	2.92	64	78219	51.399	ug/l	95
7) Trichlorofluoromethane	3.26	101	85305	62.975	ug/l	100
8) Diethyl Ether	3.68	74	63731	49.567	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121203	52.640	ug/l	96
10) Methyl Iodide	4.27	142	164836	52.911	ug/l	97
11) Tert butyl alcohol	5.20	59	37688	228.017	ug/l	99
12) 1,1-Dichloroethene	4.04	96	121931	52.614	ug/l	99
13) Acrolein	3.90	56	43684	280.769	ug/l	98
14) Allyl chloride	4.67	41	255942	51.659	ug/l	97
15) Acrylonitrile	5.37	53	153179	240.357	ug/l	100
16) Acetone	4.13	43	176768	251.779	ug/l	98
17) Carbon Disulfide	4.38	76	339771	48.512	ug/l	100
18) Methyl Acetate	4.67	43	78691	45.253	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	202010	53.902	ug/l	97
20) Methylene Chloride	4.92	84	129645	48.847	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	130641	52.569	ug/l	95
22) Diisopropyl ether	6.31	45	466451	50.792	ug/l	99
23) Vinyl Acetate	6.25	43	1455490	257.533	ug/l	100
24) 1,1-Dichloroethane	6.21	63	263902	52.778	ug/l	99
25) 2-Butanone	7.17	43	225015	235.855	ug/l	95
26) 2,2-Dichloropropane	7.17	77	165087	58.330	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	141328	53.228	ug/l	99
28) Bromochloromethane	7.51	49	99890	45.835	ug/l	96
29) Tetrahydrofuran	7.53	42	133106	232.547	ug/l	98
30) Chloroform	7.67	83	250108	54.672	ug/l	99
31) Cyclohexane	7.95	56	236780	47.862	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	210028	58.036	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206974	53.295	ug/l	100
37) Ethyl Acetate	7.25	43	98469	46.270	ug/l	100
38) Carbon Tetrachloride	8.07	117	198876	59.166	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012583.D
 Acq On : 04 Sep 2019 09:28
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:09 AM

Quant Time: Sep 04 15:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	239628	54.925	ug/l	98
40) Benzene	8.32	78	591659	55.794	ug/l	100
41) Methacrylonitrile	7.48	41	59964	47.942	ug/l	99
42) 1,2-Dichloroethane	8.40	62	195287	58.760	ug/l	99
43) Isopropyl Acetate	8.42	43	207180	52.558	ug/l	100
44) Trichloroethene	9.09	130	148053	57.432	ug/l	94
45) 1,2-Dichloropropane	9.37	63	156536	54.849	ug/l	97
46) Dibromomethane	9.46	93	71218	56.086	ug/l	99
47) Bromodichloromethane	9.64	83	198141	58.631	ug/l	100
48) Methyl methacrylate	9.43	41	100268	53.443	ug/l	99
49) 1,4-Dioxane	9.46	88	18350	943.970	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	521000	259.851	ug/l	100
52) Toluene	10.38	92	359719	56.467	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	198805	57.752	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	235341	56.620	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	99822	55.562	ug/l	99
56) Ethyl methacrylate	10.65	69	143136	54.741	ug/l	100
57) 1,3-Dichloropropane	10.93	76	185998	54.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	344663	256.834	ug/l	99
59) 2-Hexanone	10.97	43	376774	265.584	ug/l	99
60) Dibromochloromethane	11.13	129	117204	58.570	ug/l	100
61) 1,2-Dibromoethane	11.23	107	91041	54.393	ug/l	99
64) Tetrachloroethene	10.86	164	120398	57.056	ug/l	98
65) Chlorobenzene	11.66	112	359010	56.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	131959	59.020	ug/l	99
67) Ethyl Benzene	11.73	91	709935	57.505	ug/l	99
68) m/p-Xylenes	11.84	106	508335	114.308	ug/l	99
69) o-Xylene	12.16	106	237115	57.609	ug/l	99
70) Styrene	12.18	104	412335	57.878	ug/l	98
71) Bromoform	12.35	173	64835	58.203	ug/l #	99
73) Isopropylbenzene	12.46	105	676908	56.614	ug/l	99
74) N-amyl acetate	12.27	43	185987	51.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112050	51.118	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76292m	49.092	ug/l	
77) Bromobenzene	12.74	156	145541	56.266	ug/l	95
78) n-propylbenzene	12.80	91	821551	56.284	ug/l	98
79) 2-Chlorotoluene	12.89	91	463866	55.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	572272	57.280	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37242	52.543	ug/l	96
82) 4-Chlorotoluene	12.99	91	485747	55.980	ug/l	100
83) tert-Butylbenzene	13.21	119	494488	58.429	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	566321	56.429	ug/l	99
85) sec-Butylbenzene	13.38	105	686316	56.604	ug/l	100
86) p-Isopropyltoluene	13.50	119	628760	58.067	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	286049	56.538	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	278047	55.348	ug/l	100
89) n-Butylbenzene	13.82	91	621047	57.675	ug/l	100
90) Hexachloroethane	14.09	117	108174	56.941	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	248884	56.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19371	52.420	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
Data File : VW012583.D
Acq On : 04 Sep 2019 09:28
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

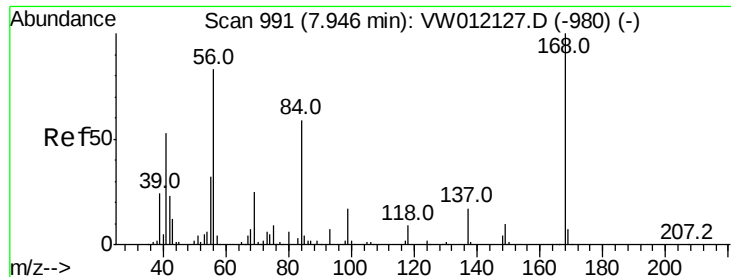
Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM

Quant Time: Sep 04 15:07:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	180389	58.812	ug/l	98
94) Hexachlorobutadiene	15.24	225	122698	60.583	ug/l	98
95) Naphthalene	15.36	128	301415	50.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153929	57.520	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 231044

Ion Ratio Lower Upper

168 100

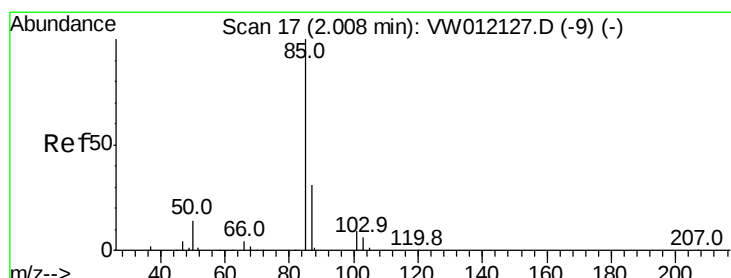
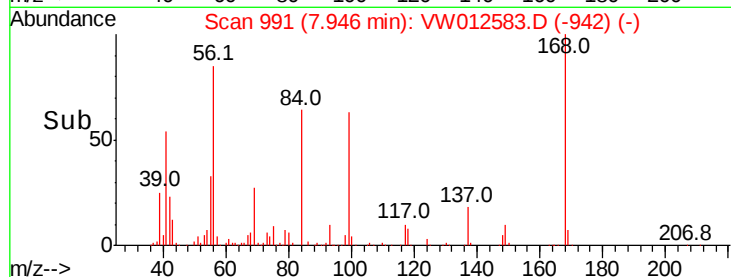
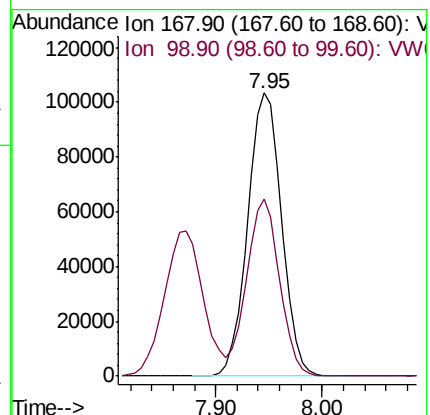
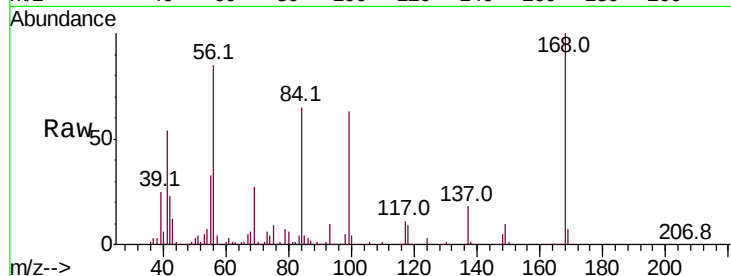
99 62.7 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#2

Dichlorodifluoromethane

Concen: 59.322 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012583.D

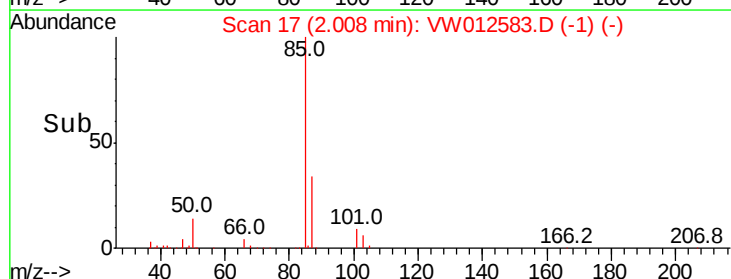
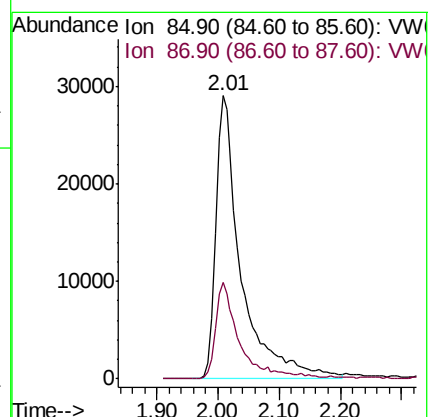
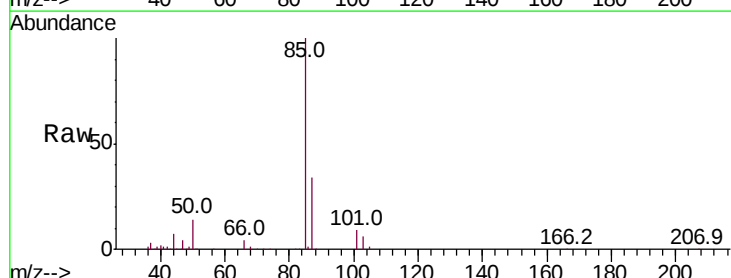
Acq: 04 Sep 2019 09:28

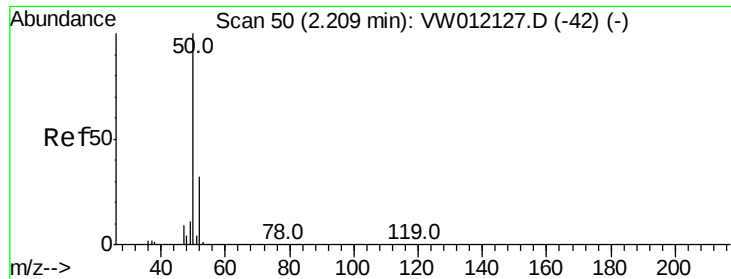
Tgt Ion: 85 Resp: 84393

Ion Ratio Lower Upper

85 100

87 34.0 15.6 46.8





#3

Chloromethane

Concen: 51.527 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 113568

Ion Ratio Lower Upper

50 100

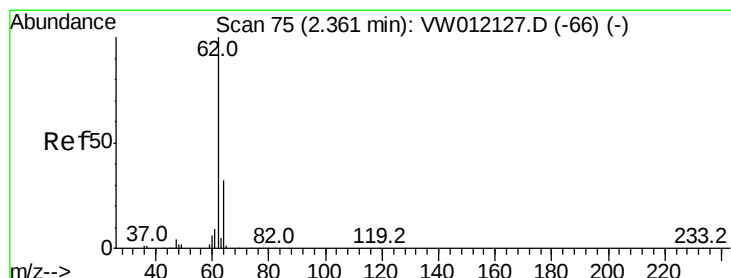
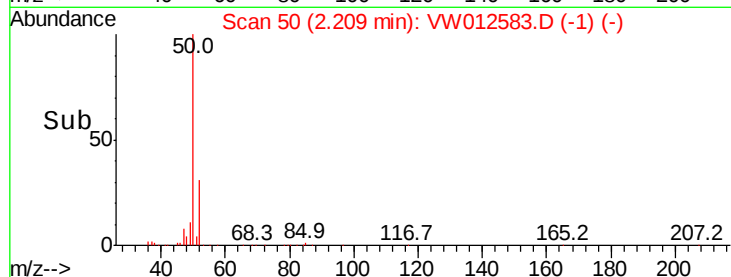
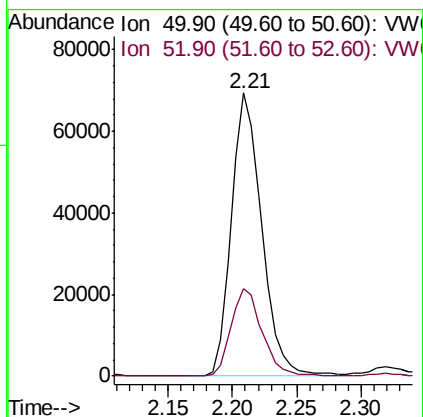
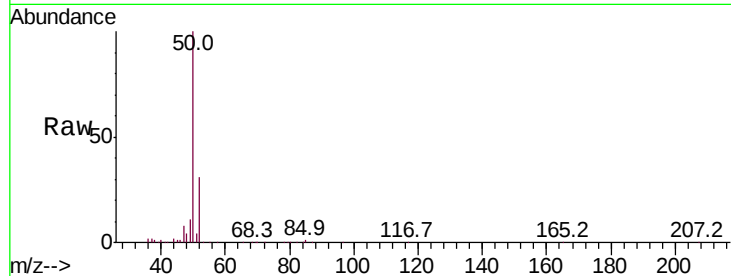
52 30.8 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#4

Vinyl Chloride

Concen: 50.802 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012583.D

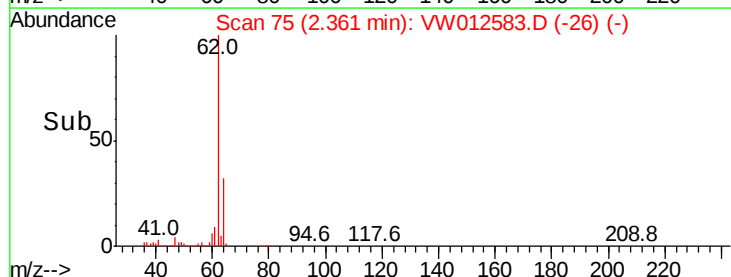
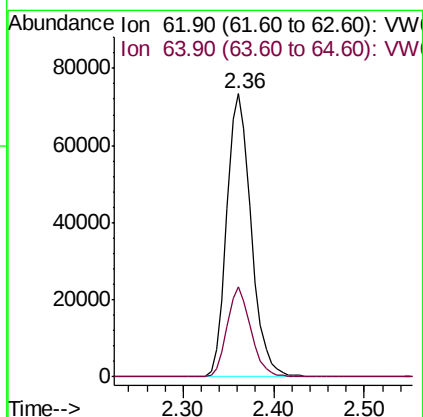
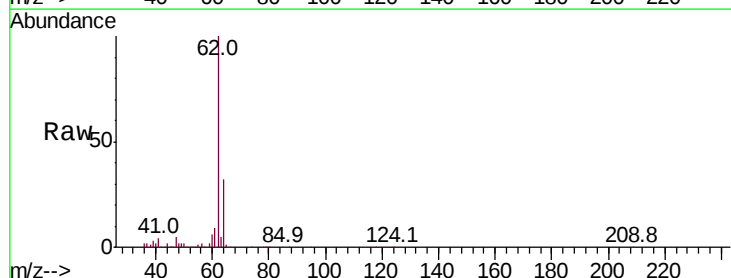
Acq: 04 Sep 2019 09:28

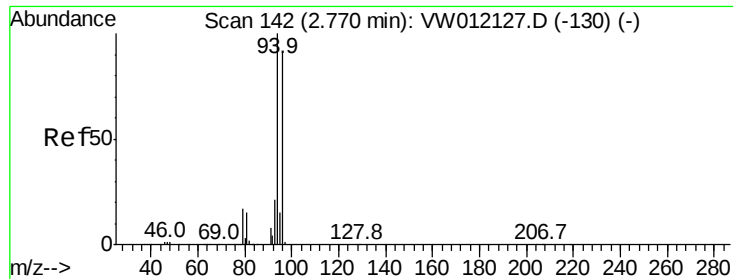
Tgt Ion: 62 Resp: 137047

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 51.541 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70416

Ion Ratio Lower Upper

94 100

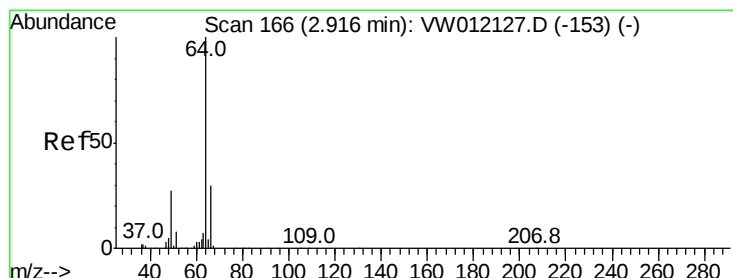
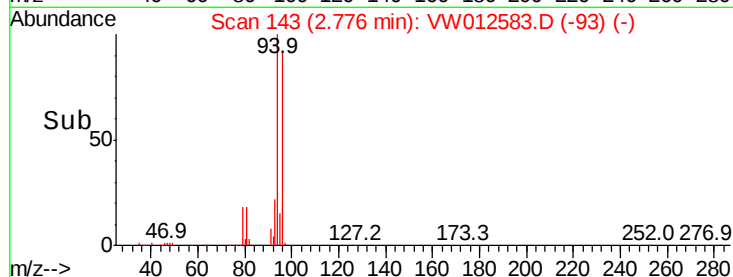
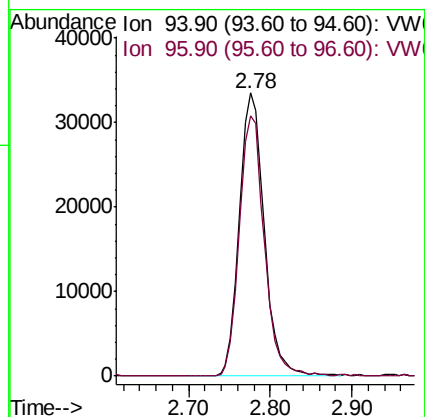
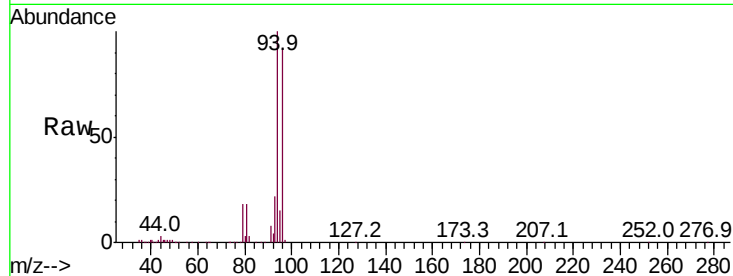
96 92.0 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#6

Chloroethane

Concen: 51.399 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012583.D

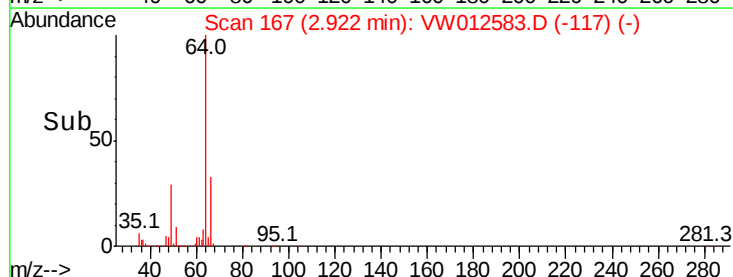
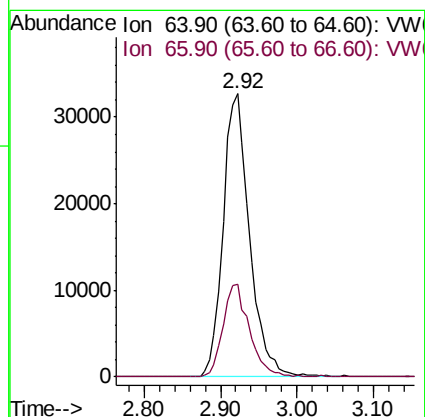
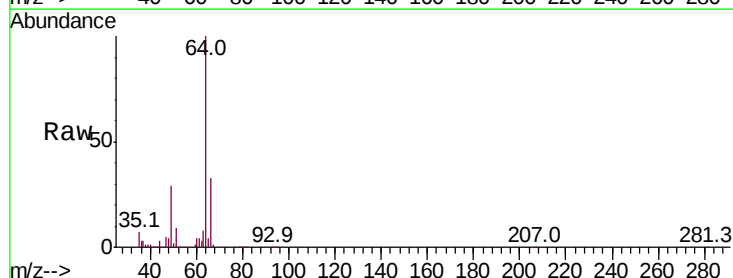
Acq: 04 Sep 2019 09:28

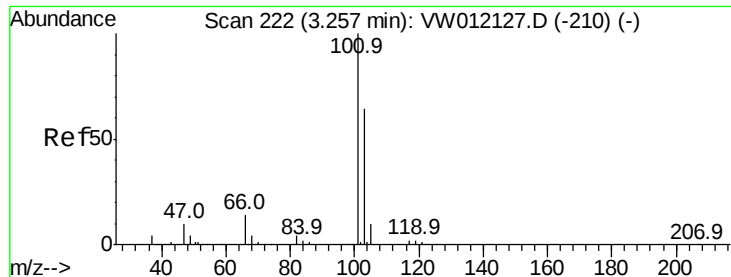
Tgt Ion: 64 Resp: 78219

Ion Ratio Lower Upper

64 100

66 32.7 23.8 35.8





#7

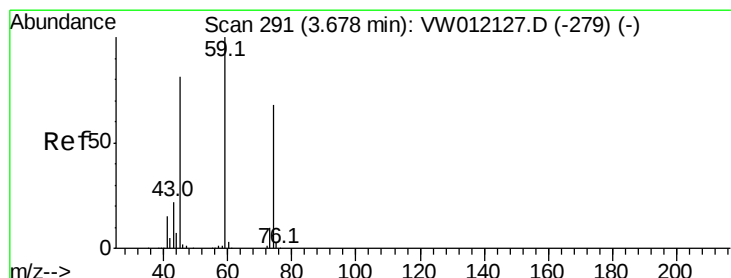
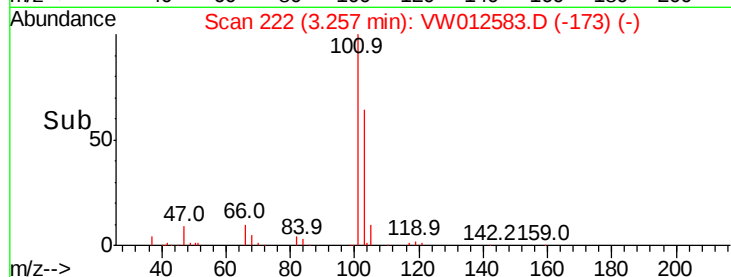
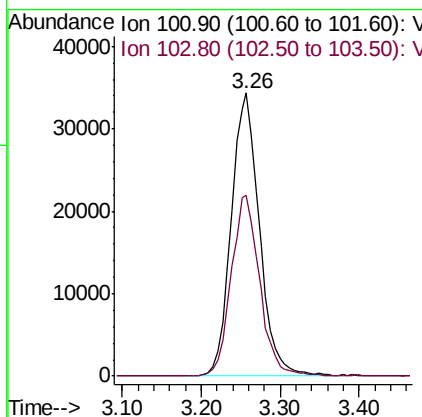
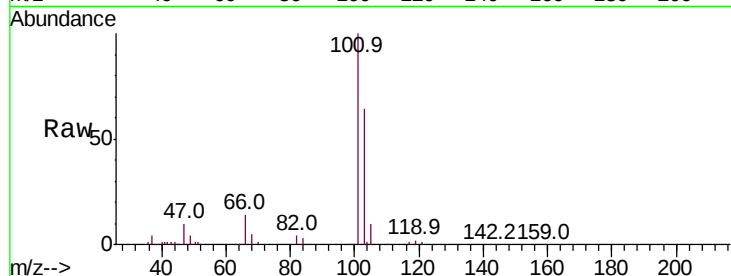
Trichlorofluoromethane
 Concen: 62.975 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.2	76.8

Manual Integrations
 APPROVED

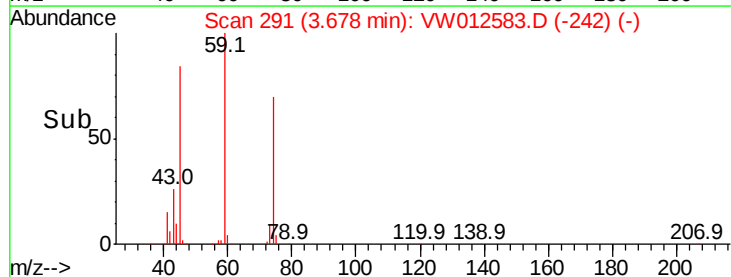
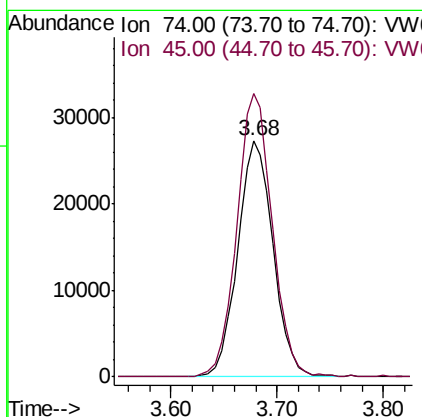
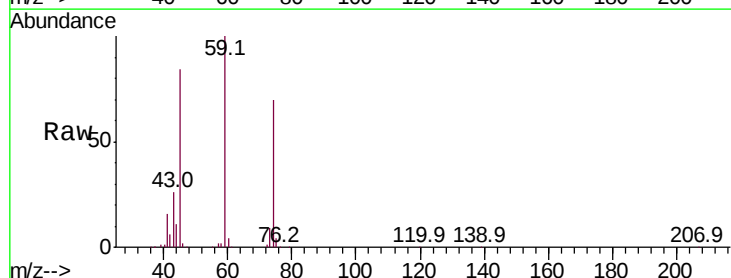
MMDadoda
 9/7/2019 12:46:09 AM

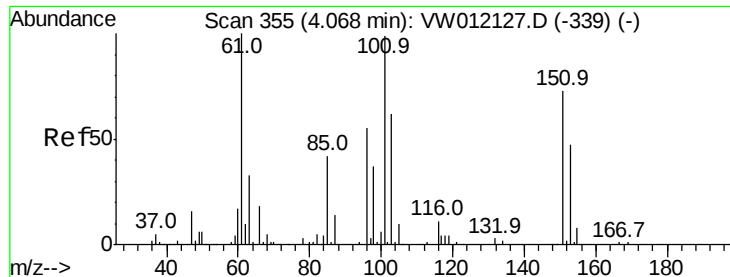


#8

Diethyl Ether
 Concen: 49.567 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.0	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.640 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

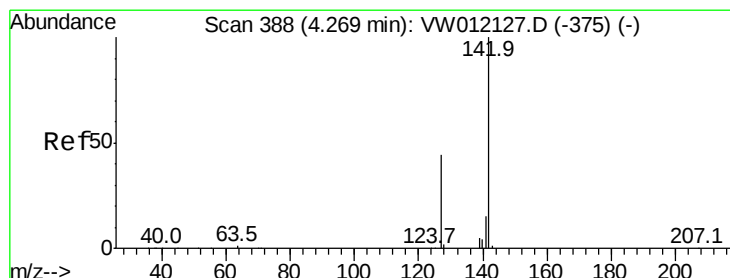
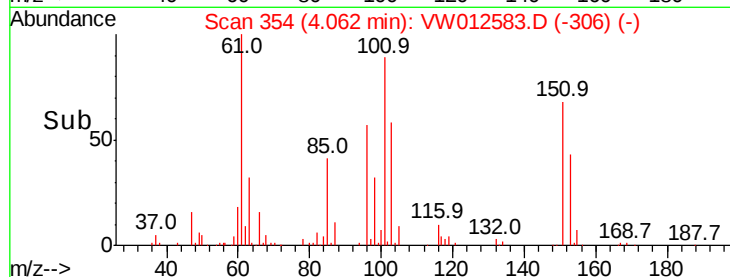
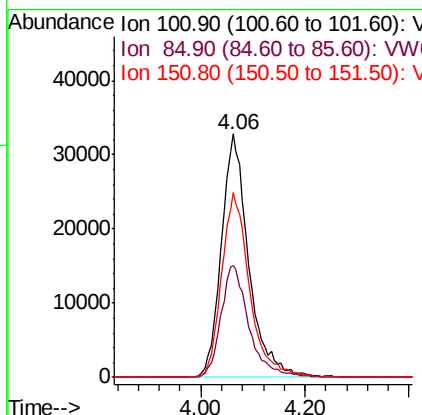
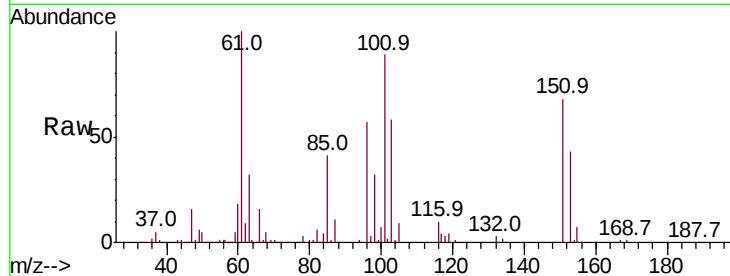
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	121203
Ion Ratio	Lower	Upper	
101	100		
85	46.9	35.8	53.6
151	77.3	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#10

Methyl Iodide

Concen: 52.911 ug/l

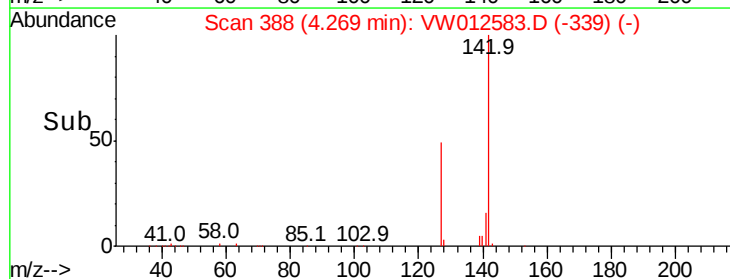
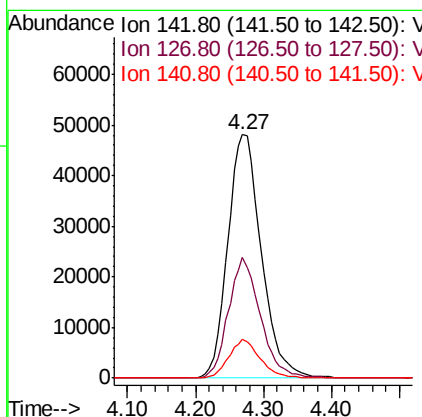
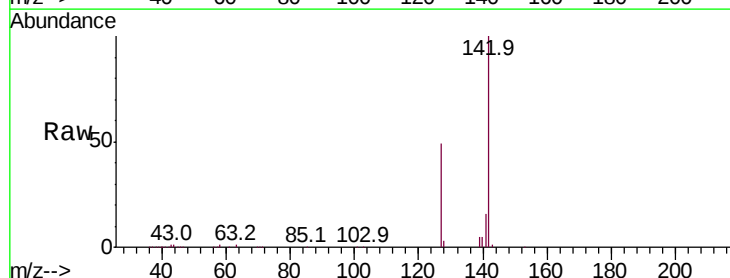
RT: 4.27 min Scan# 388

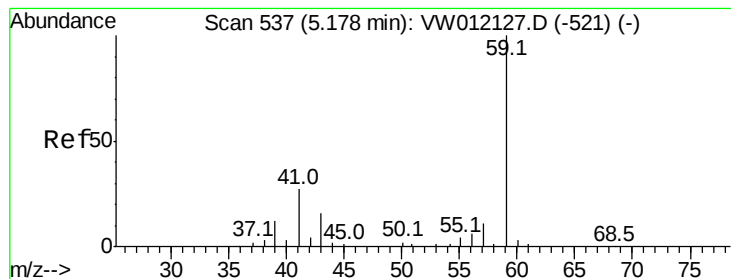
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion:	142	Resp:	164836
Ion Ratio	Lower	Upper	
142	100		
127	47.1	35.5	53.3
141	14.9	11.8	17.8





#11

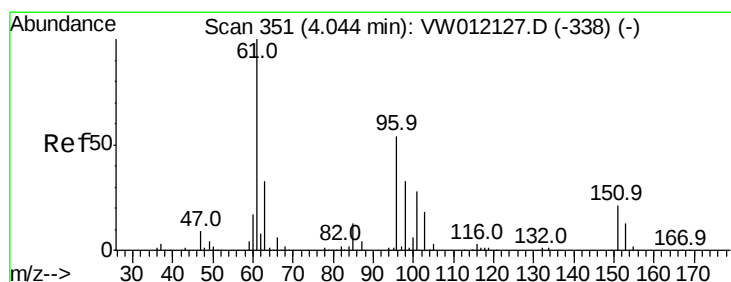
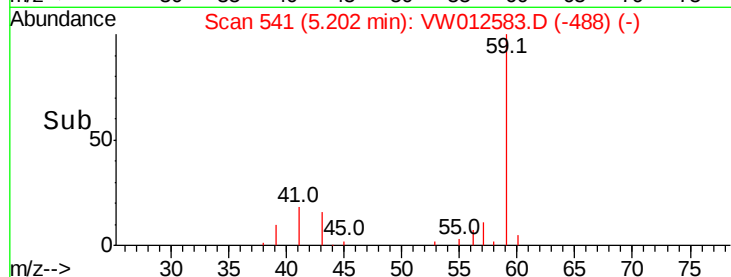
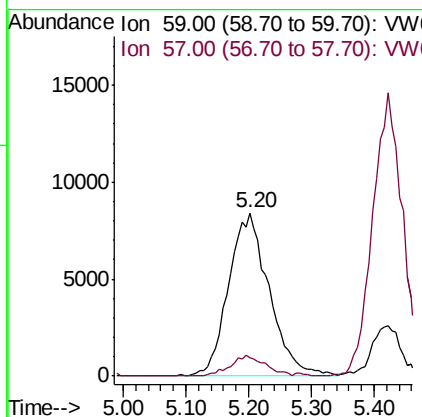
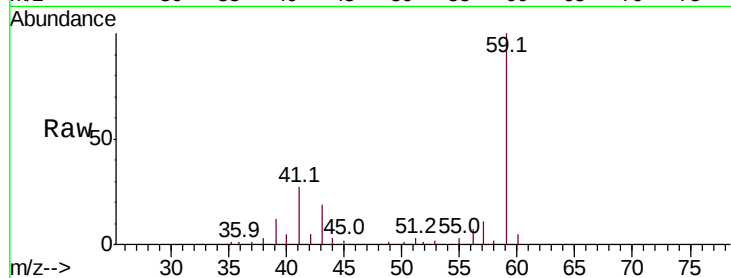
Tert butyl alcohol
 Concen: 228.017 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	10.9		9.0	13.4

Manual Integrations
 APPROVED

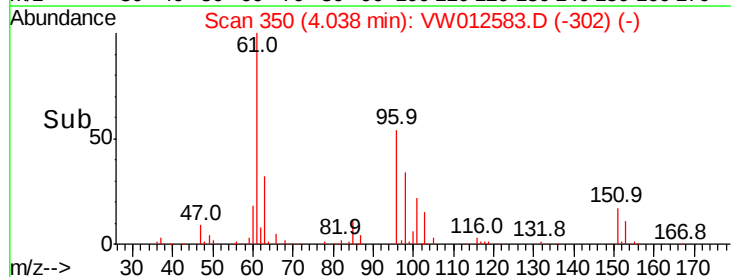
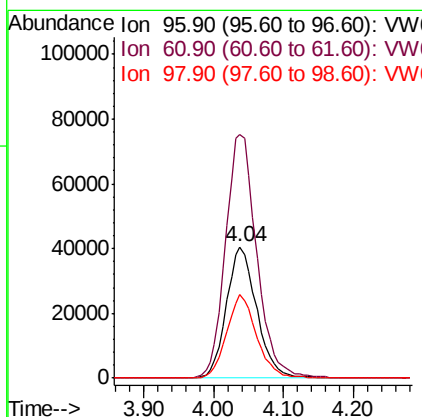
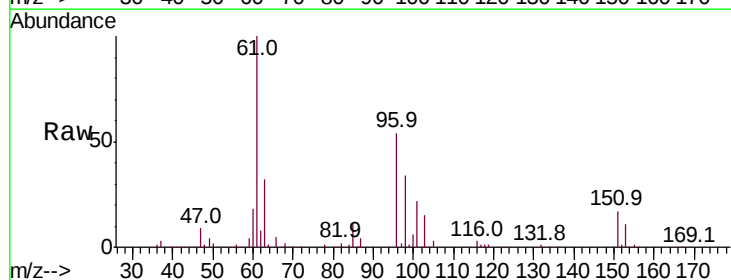
MMDadoda
 9/7/2019 12:46:09 AM

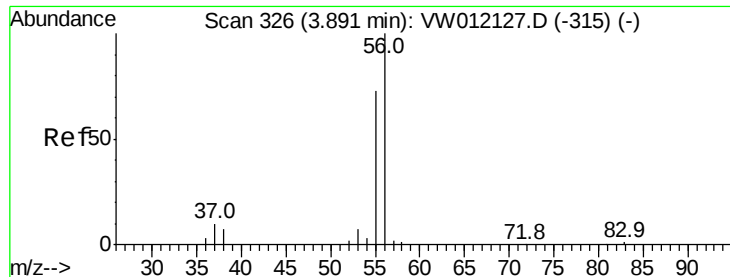


#12

1,1-Dichloroethene
 Concen: 52.614 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	185.3		149.1	223.7
98	63.4		49.4	74.2





#13

Acrolein

Concen: 280.769 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43684

Ion Ratio Lower Upper

56 100

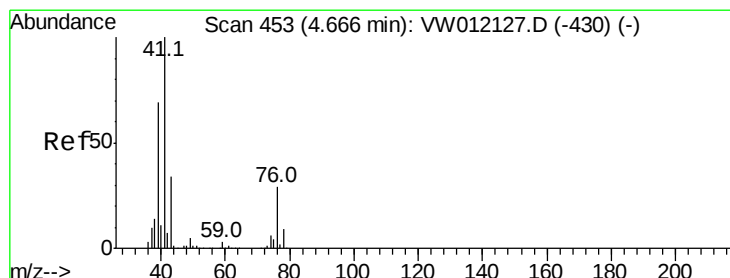
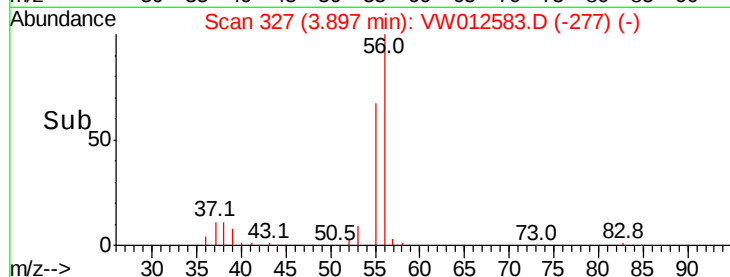
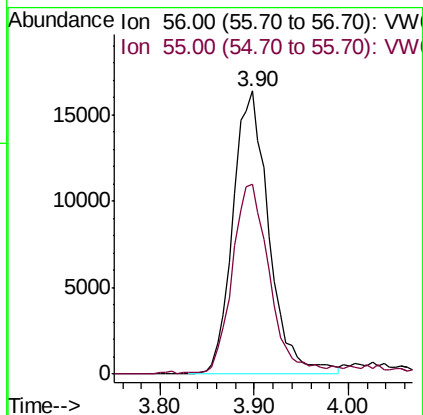
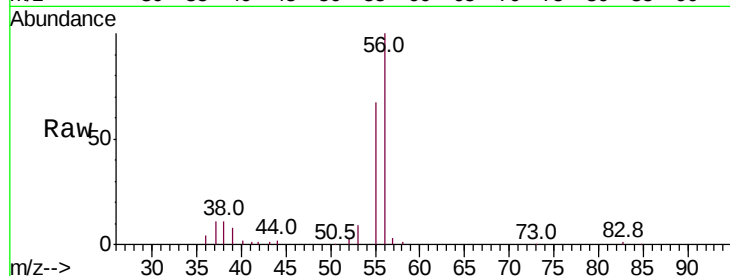
55 67.9 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#14

Allyl chloride

Concen: 51.659 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

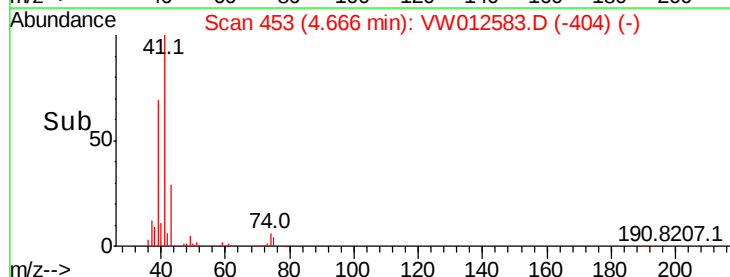
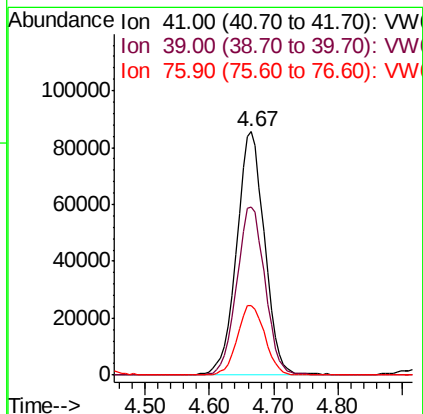
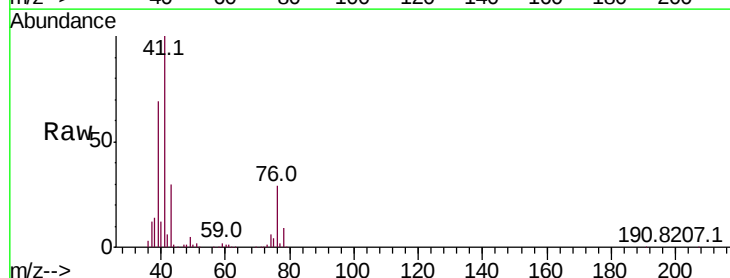
Tgt Ion: 41 Resp: 255942

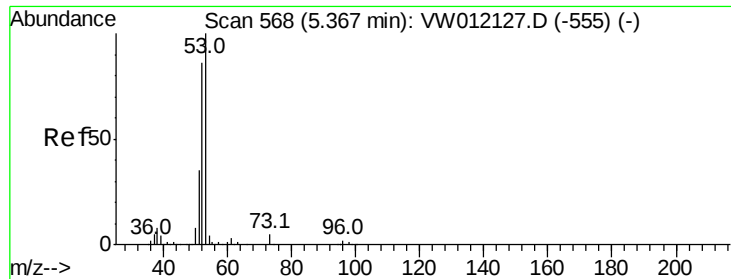
Ion Ratio Lower Upper

41 100

39 69.9 53.4 80.2

76 28.2 22.1 33.1





#15

Acrylonitrile

Concen: 240.357 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

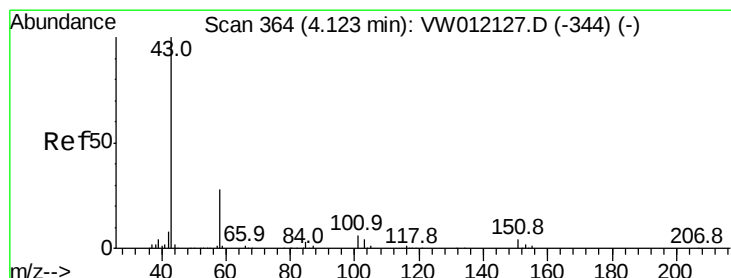
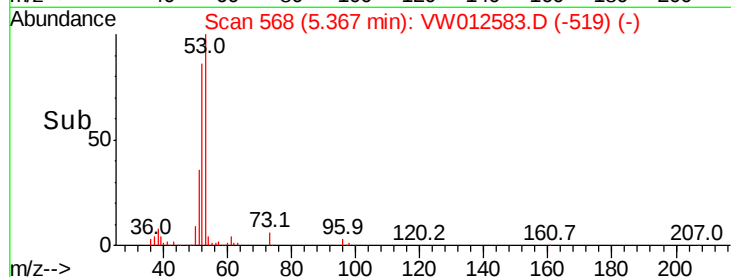
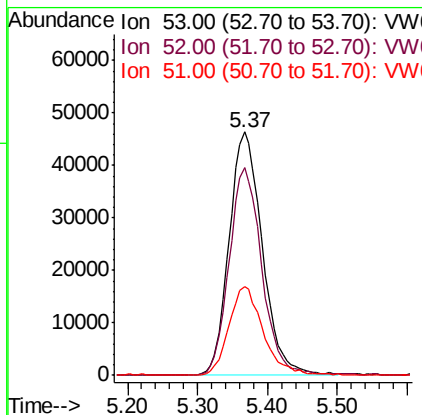
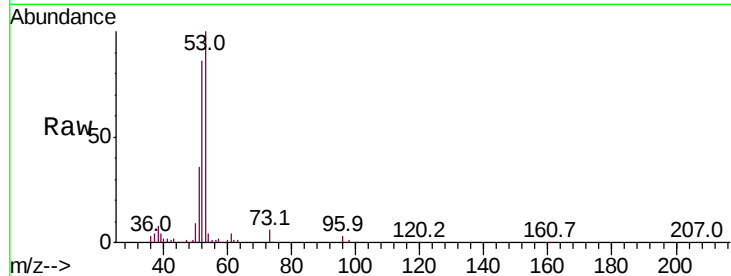
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	153179
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.9	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#16

Acetone

Concen: 251.779 ug/l

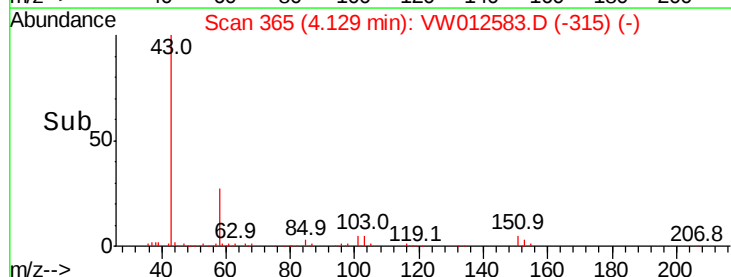
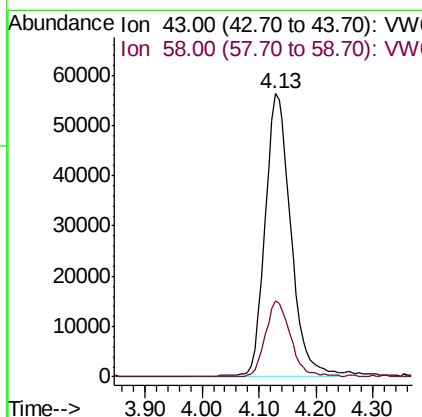
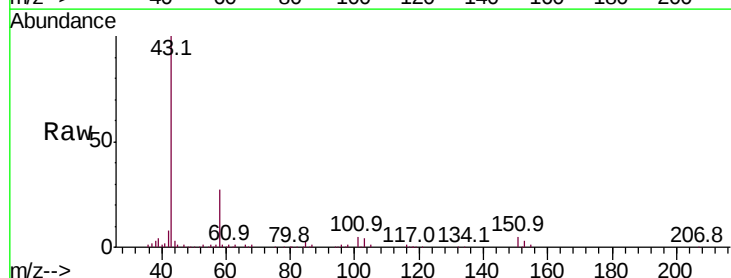
RT: 4.13 min Scan# 365

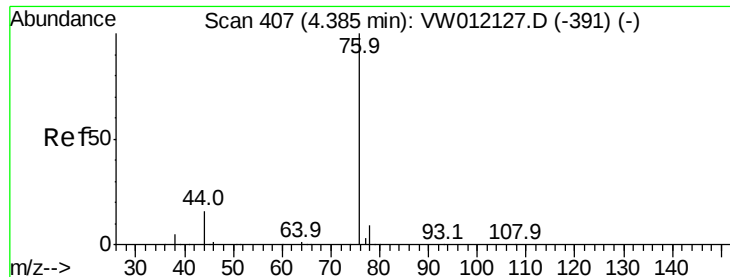
Delta R.T. 0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion:	43	Resp:	176768
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.4	33.6





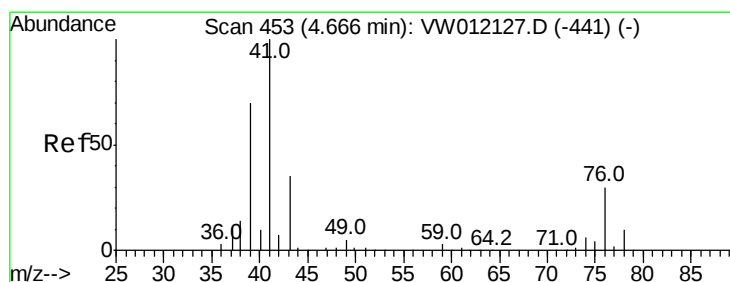
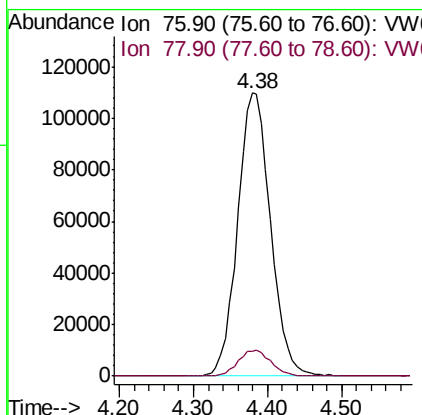
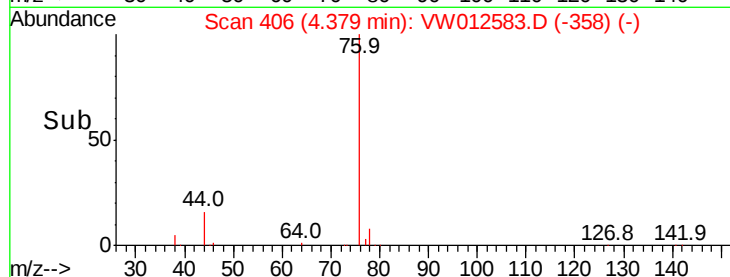
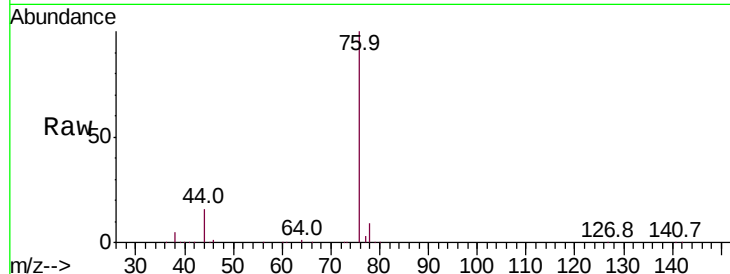
#17
Carbon Disulfide
Concen: 48.512 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

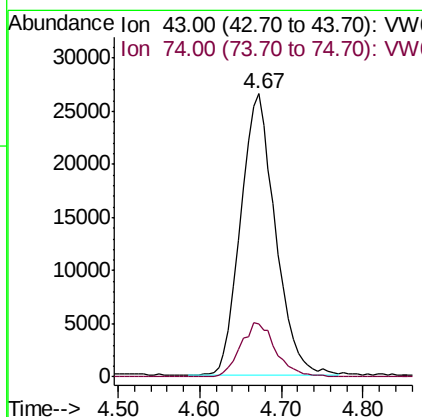
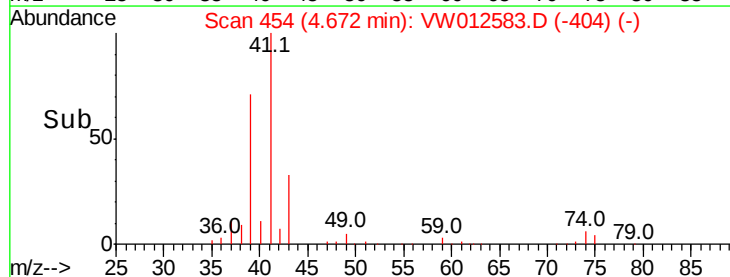
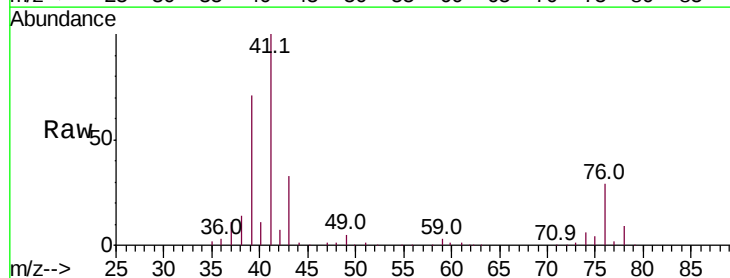
Manual Integrations
APPROVED

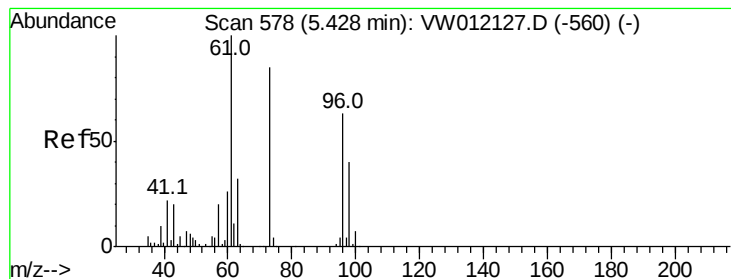
MMDadoda
9/7/2019 12:46:09 AM



#18
Methyl Acetate
Concen: 45.253 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.7	23.5





#19

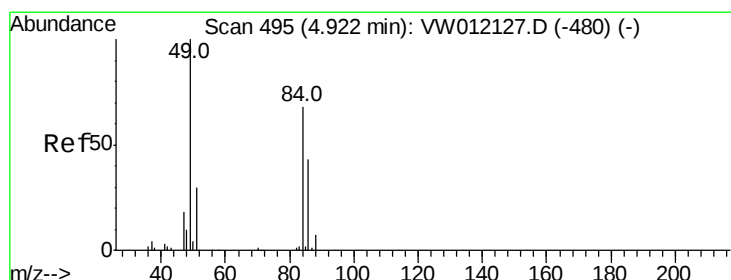
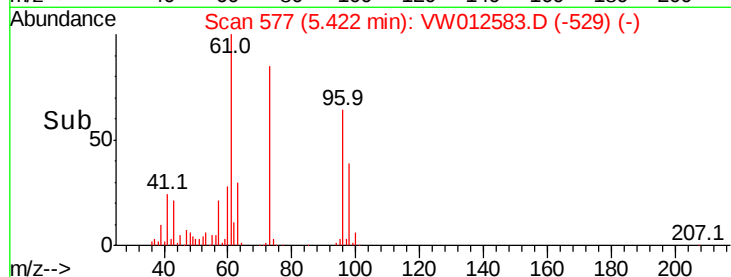
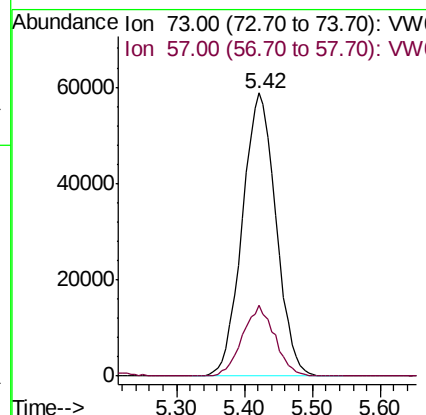
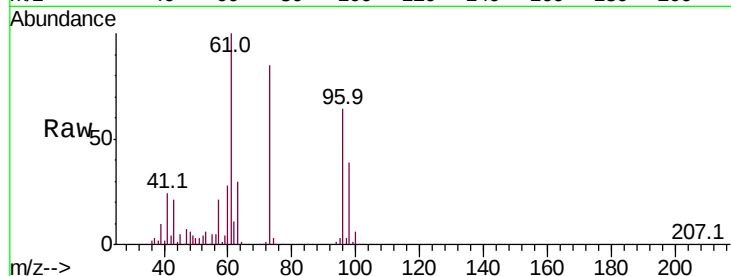
Methyl tert-butyl Ether
 Concen: 53.902 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	18.9	28.3

Manual Integrations
 APPROVED

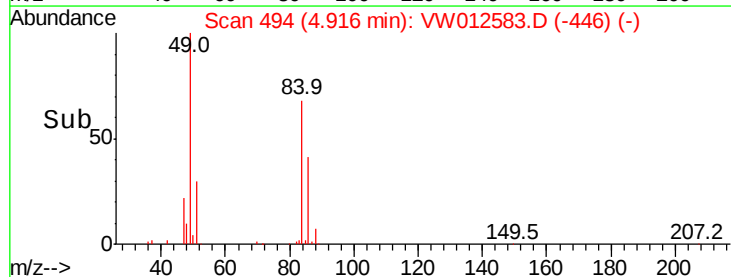
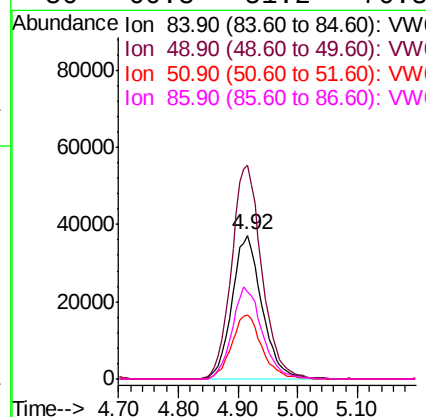
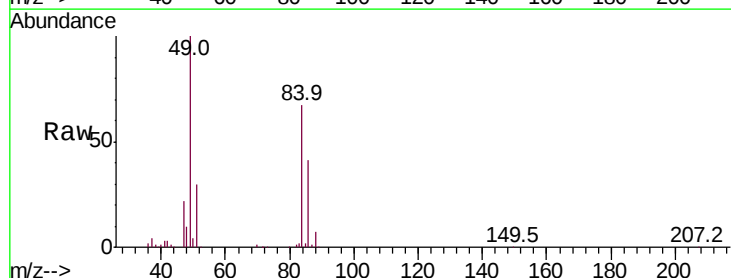
MMDadoda
 9/7/2019 12:46:09 AM

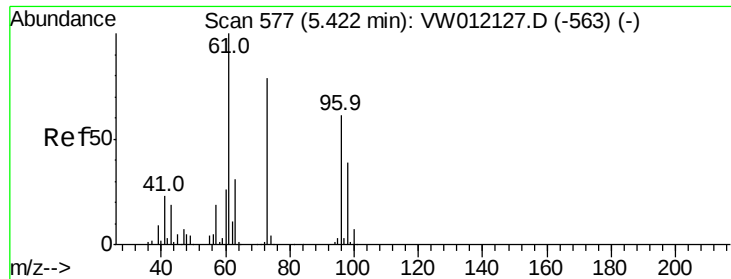


#20

Methylene Chloride
 Concen: 48.847 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.9	117.8	176.8
51	44.3	35.6	53.4
86	60.8	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 52.569 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

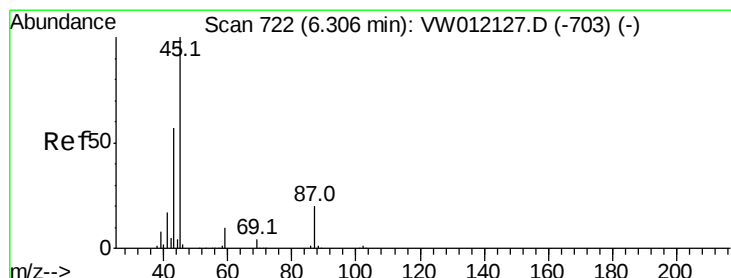
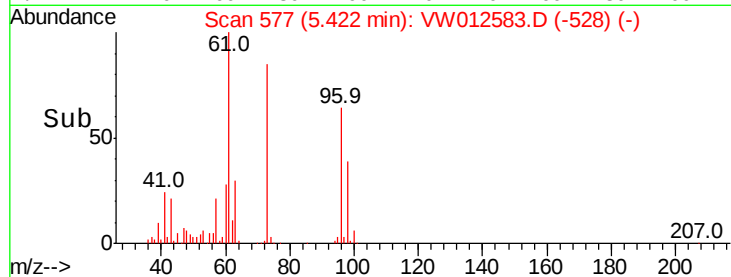
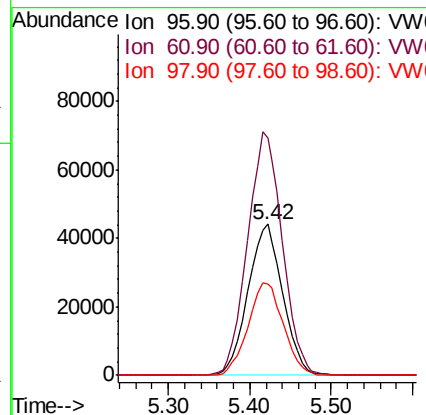
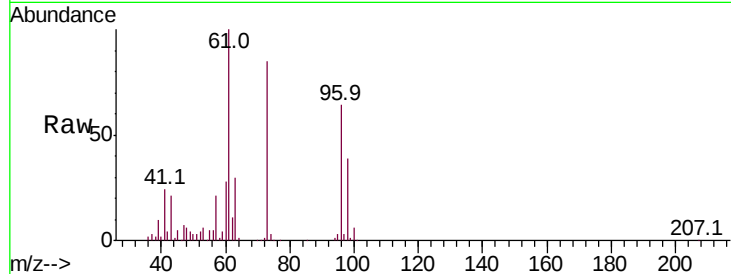
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	130641
Ion	Ratio	Lower	Upper
96	100		
61	156.8	131.4	197.0
98	60.7	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#22

Diisopropyl ether

Concen: 50.792 ug/l

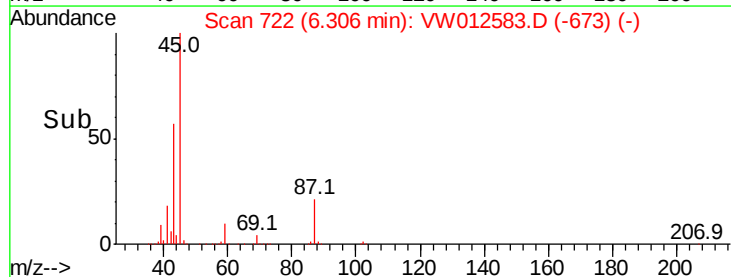
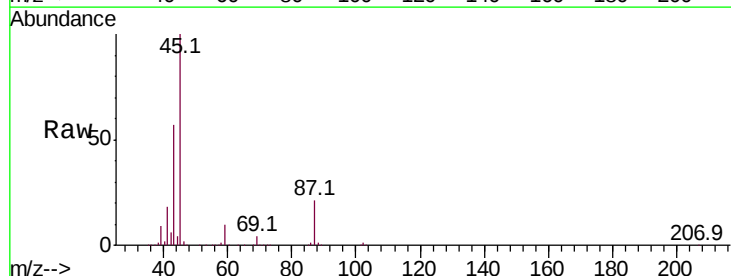
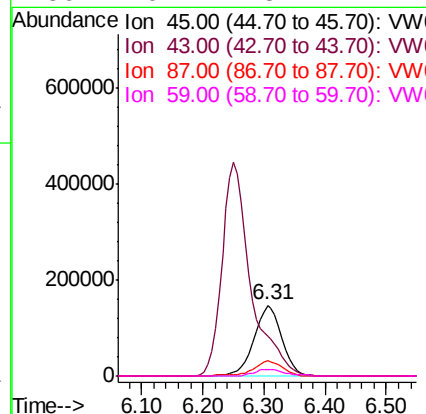
RT: 6.31 min Scan# 722

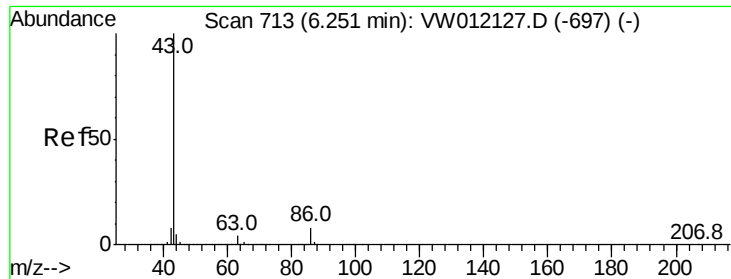
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion:	45	Resp:	466451
Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.5	68.3
87	21.4	16.1	24.1
59	9.7	8.2	12.2





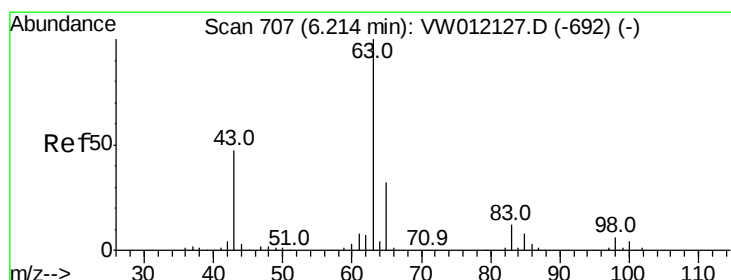
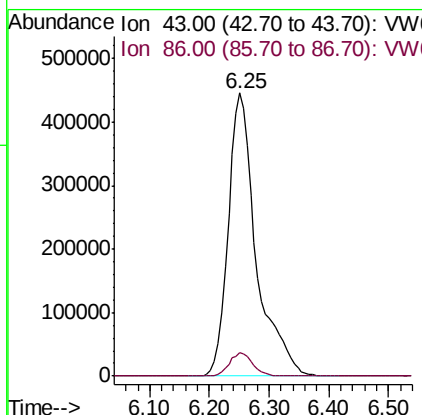
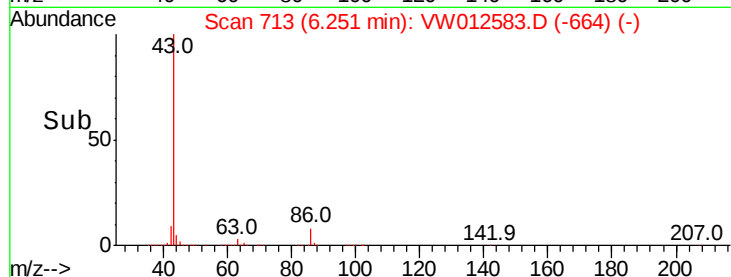
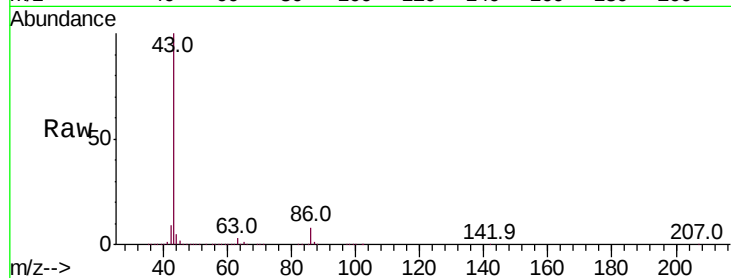
#23
 Vinyl Acetate
 Concen: 257.533 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1455490
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7

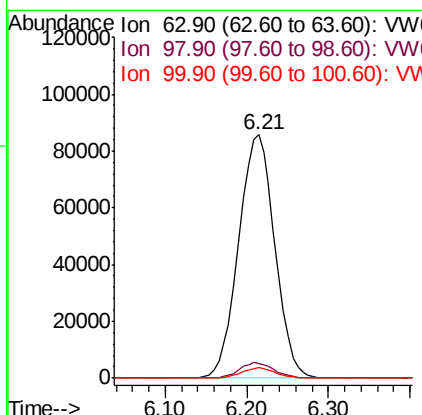
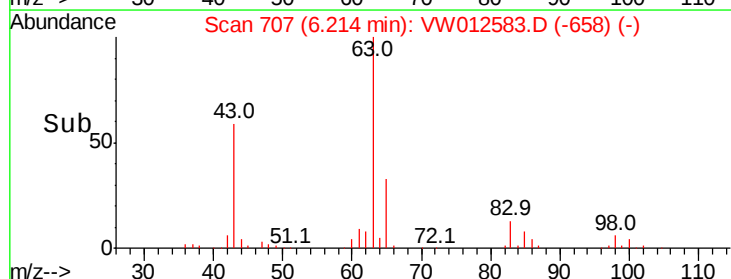
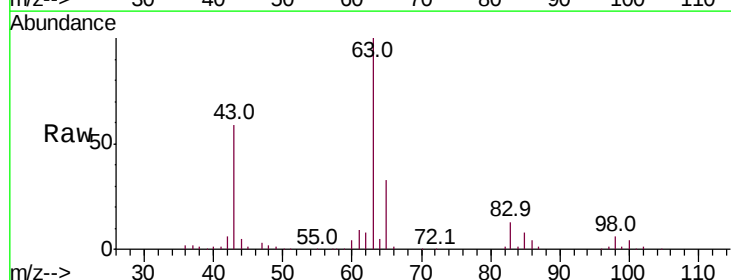
Manual Integrations
 APPROVED

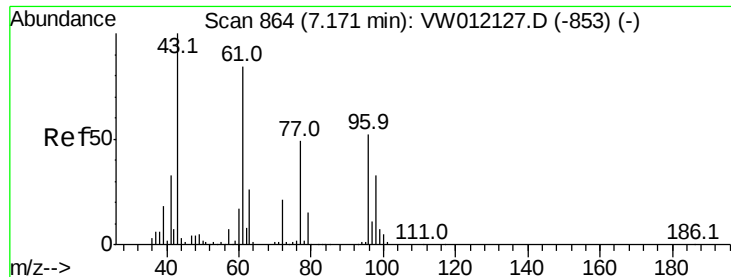
MMDadoda
 9/7/2019 12:46:09 AM



#24
 1,1-Dichloroethane
 Concen: 52.778 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion: 63 Resp: 263902
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 235.855 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 225015

Ion Ratio Lower Upper

43 100

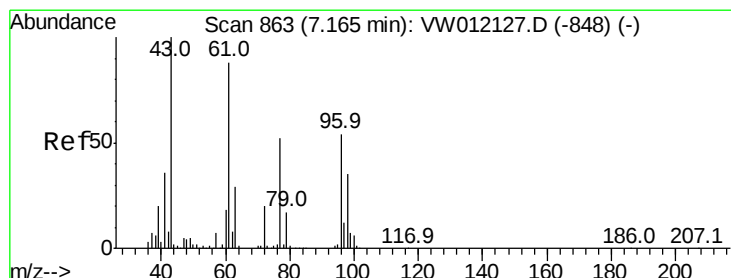
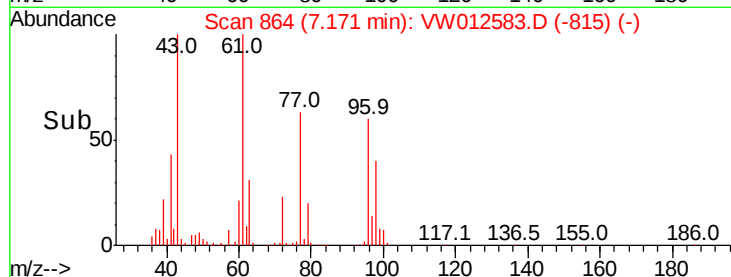
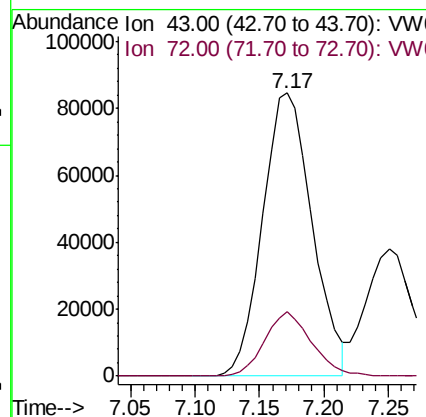
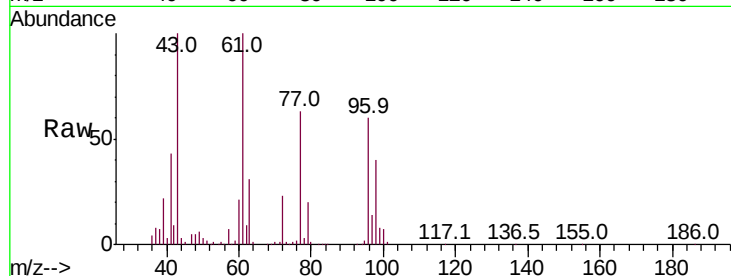
72 23.0 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#26

2,2-Dichloropropane

Concen: 58.330 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012583.D

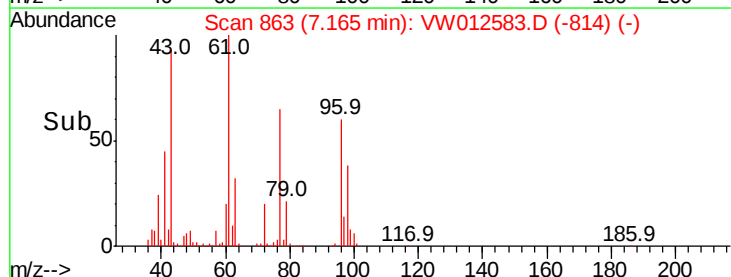
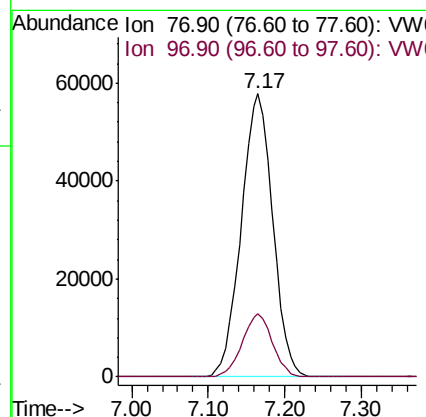
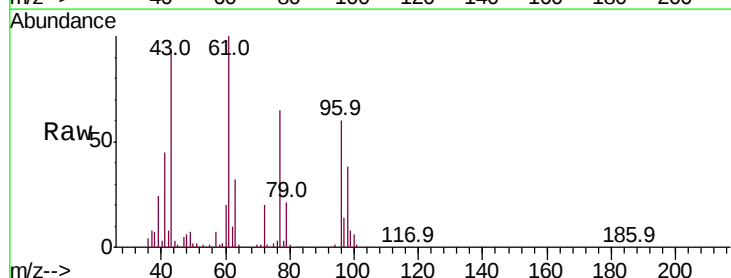
Acq: 04 Sep 2019 09:28

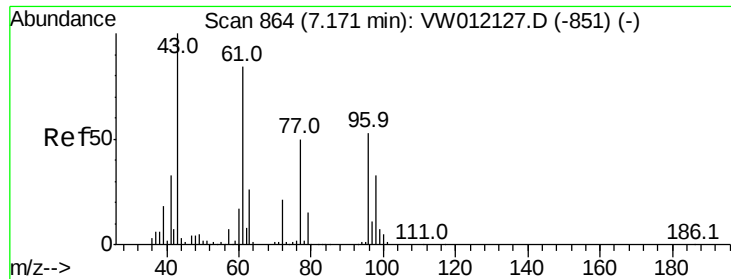
Tgt Ion: 77 Resp: 165087

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.1





#27

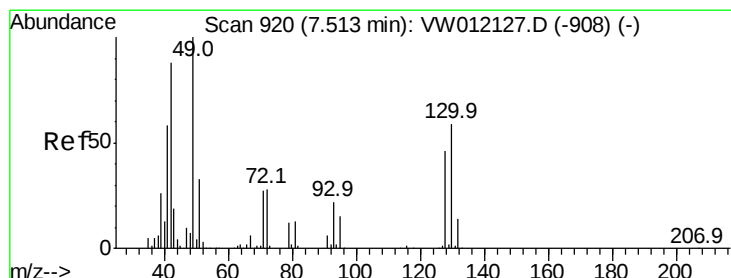
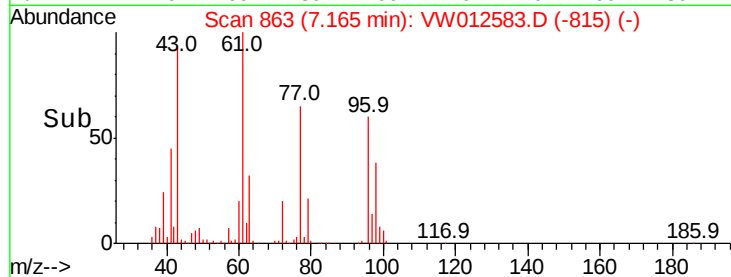
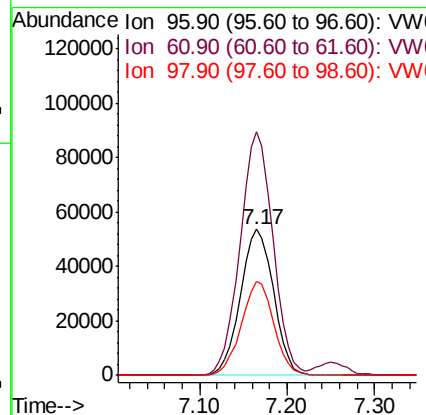
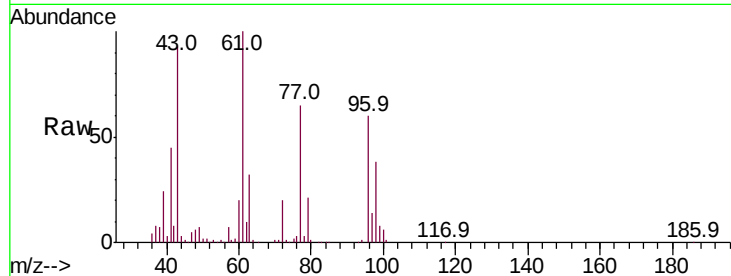
cis-1,2-Dichloroethene
Concen: 53.228 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.3	0.0	326.6	
98	62.9	0.0	127.4	

Manual Integrations
APPROVED

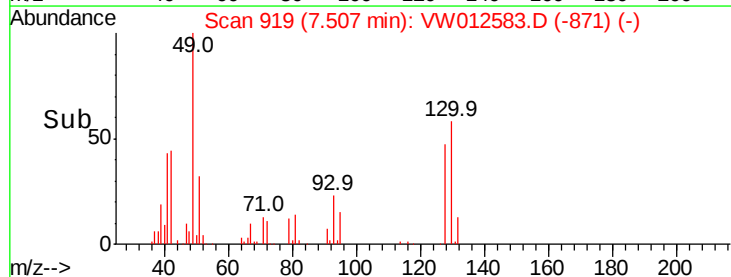
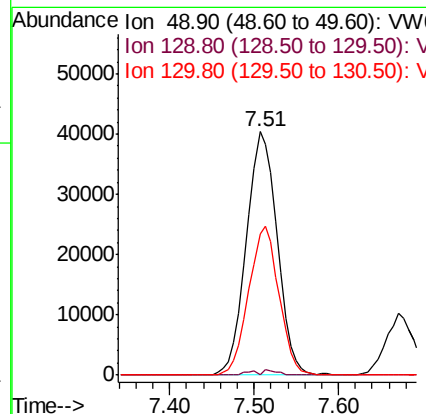
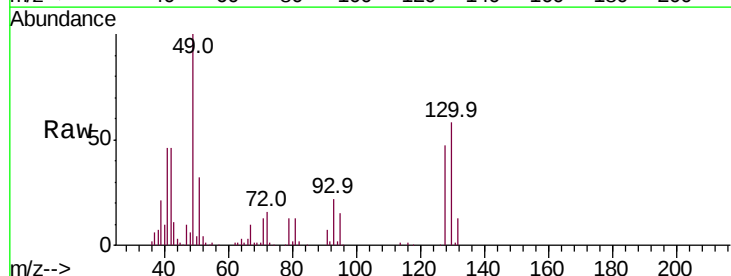
MMDadoda
9/7/2019 12:46:09 AM

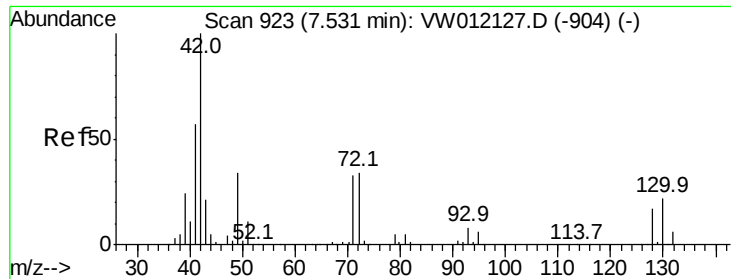


#28

Bromochloromethane
Concen: 45.835 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	1.4	
130	60.0	45.5	68.3	





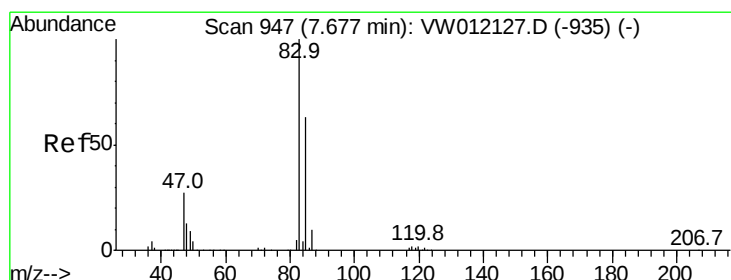
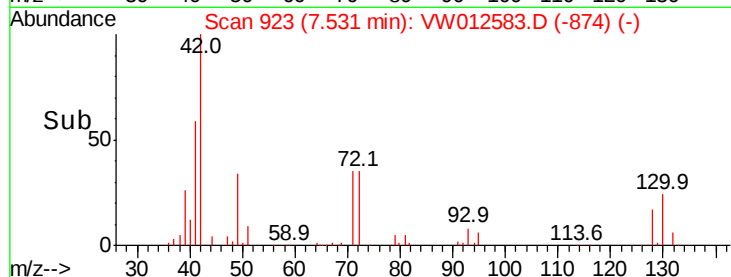
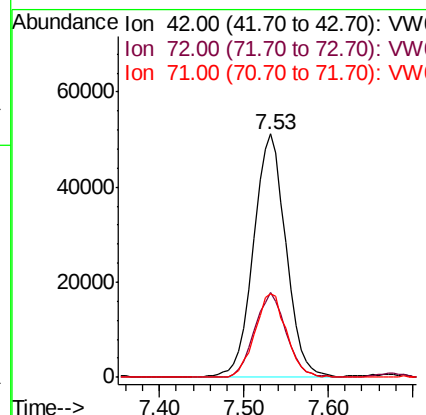
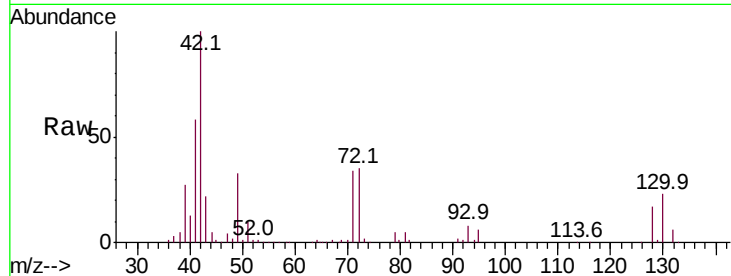
#29
Tetrahydrofuran
Concen: 232.547 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	34.0	25.5	38.3

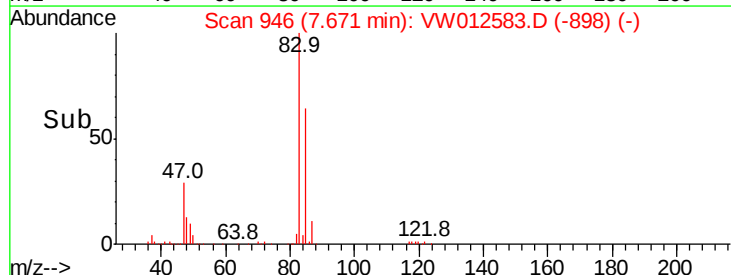
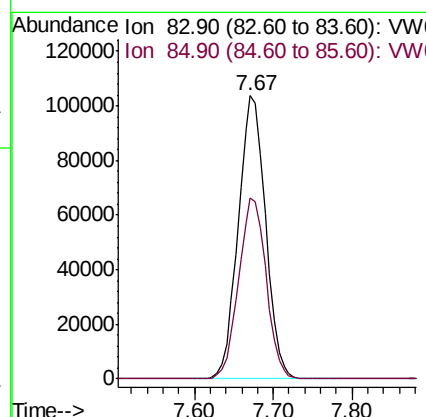
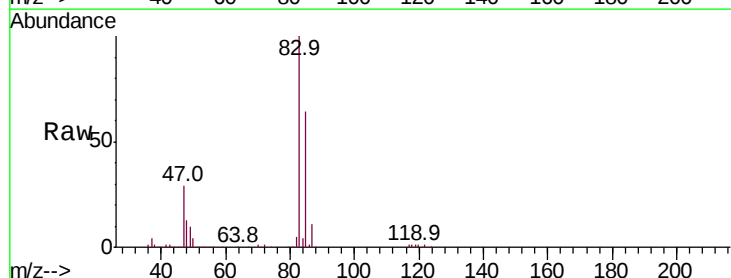
Manual Integrations
APPROVED

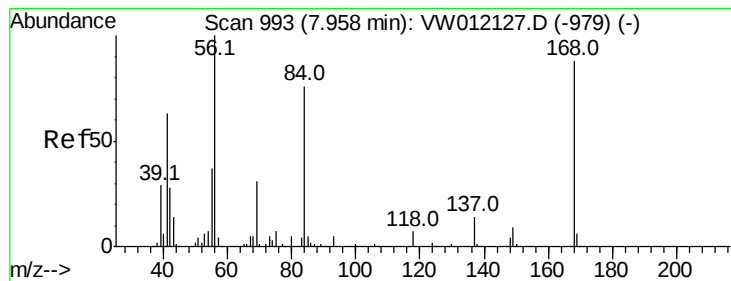
MMDadoda
9/7/2019 12:46:09 AM



#30
Chloroform
Concen: 54.672 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	76.0





#31

Cyclohexane

Concen: 47.862 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 236780

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

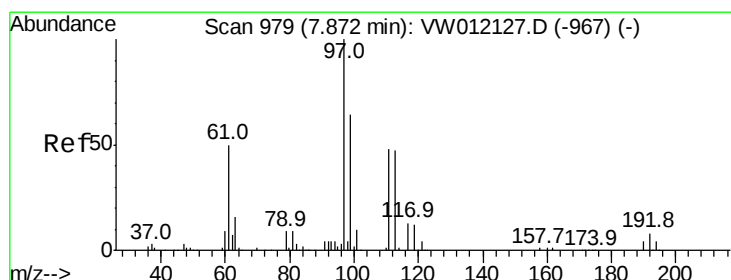
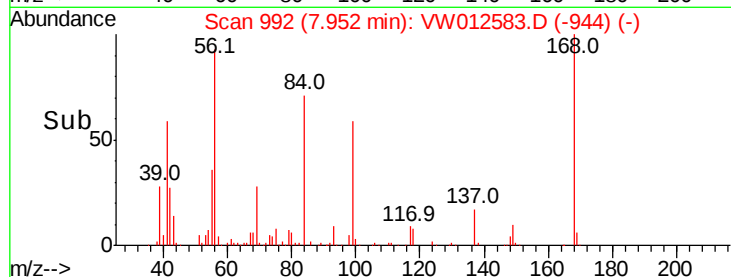
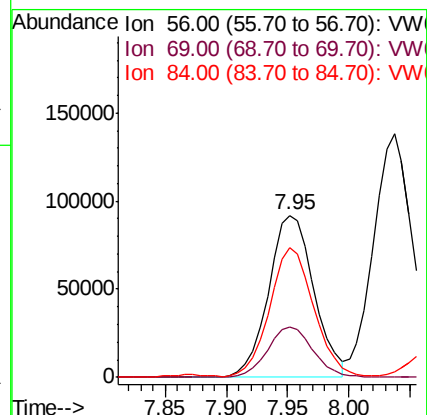
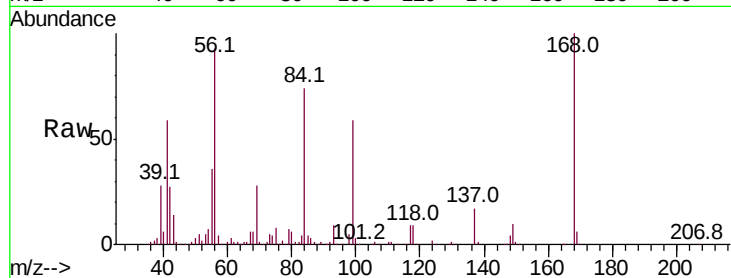
84 78.2 60.6 90.8

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#32

1,1,1-Trichloroethane

Concen: 58.036 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

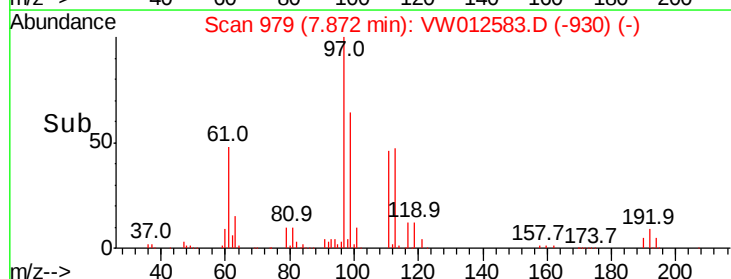
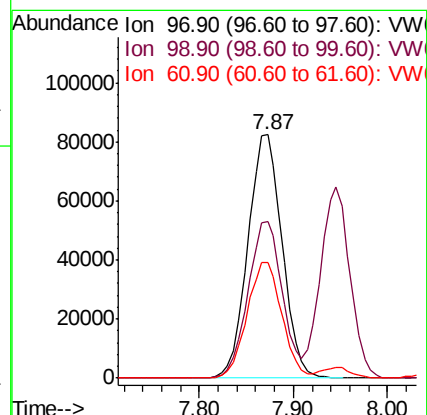
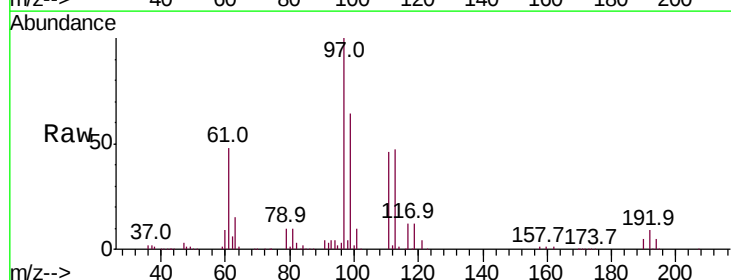
Tgt Ion: 97 Resp: 210028

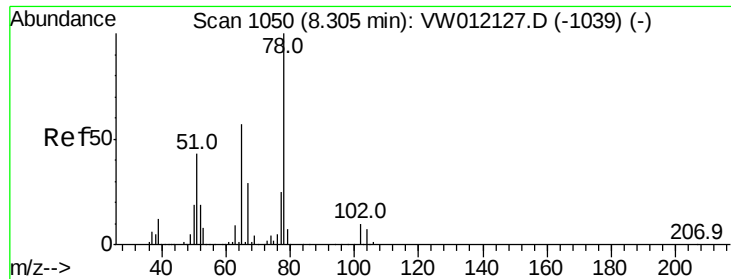
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 48.5 39.5 59.3





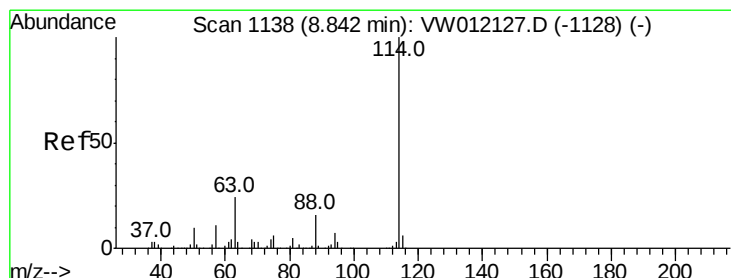
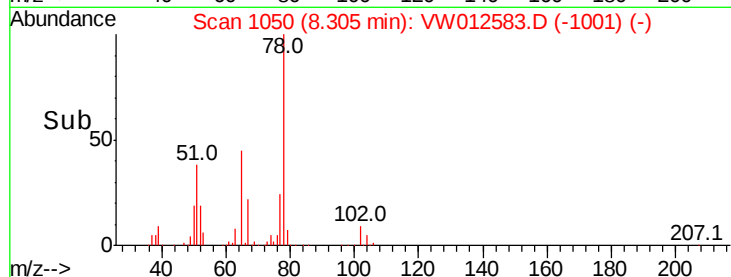
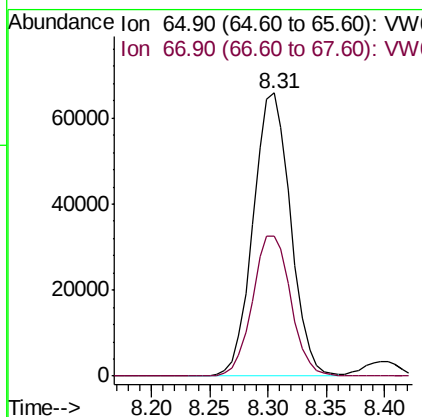
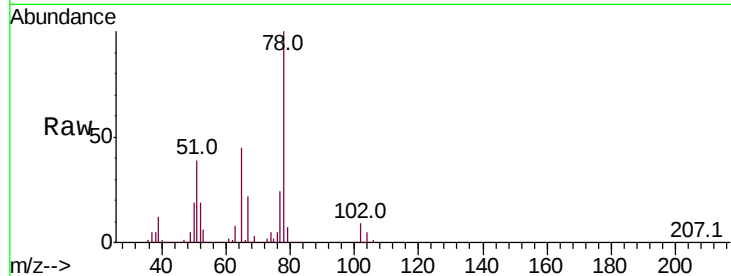
#33
 1,2-Dichloroethane-d4
 Concen: 53.693 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.6

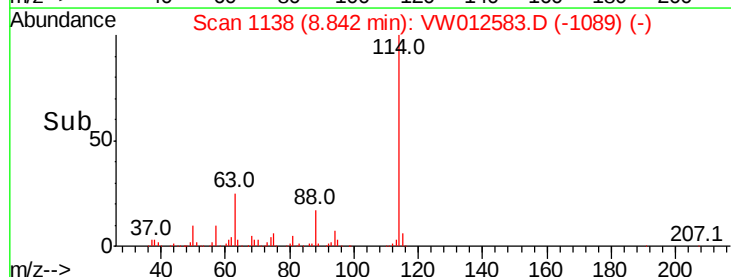
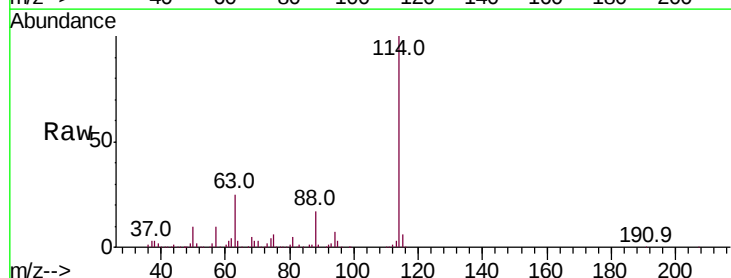
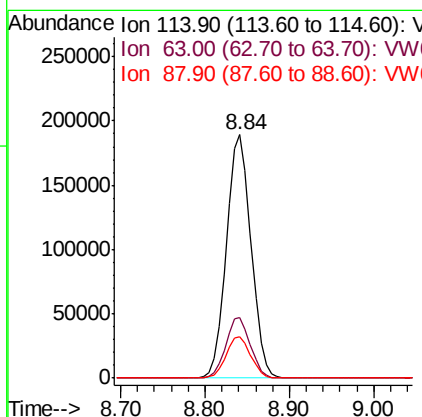
Manual Integrations
 APPROVED

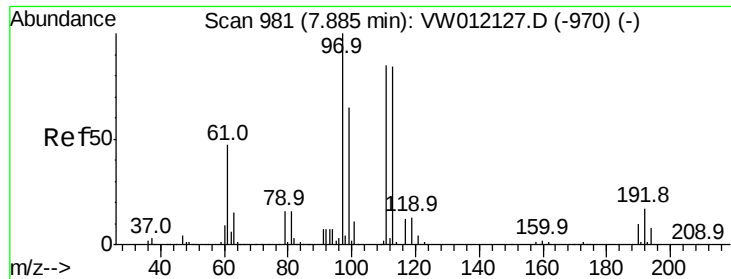
MMDadoda
 9/7/2019 12:46:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	48.6
88	17.0	0.0	32.2





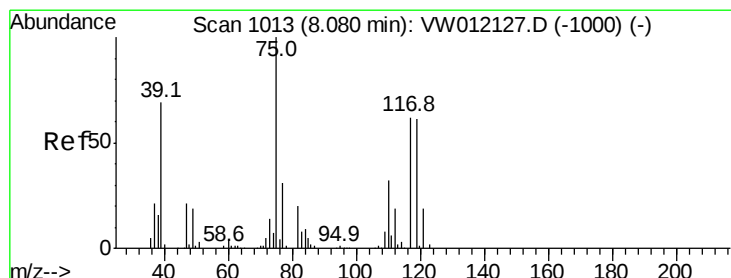
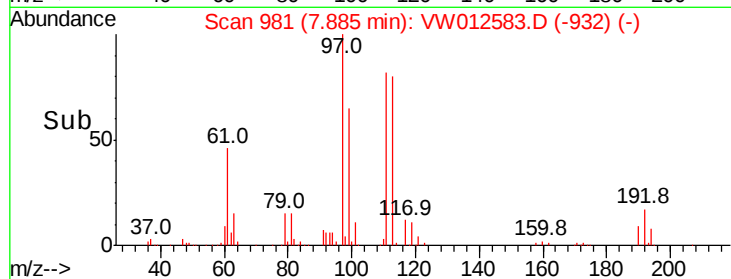
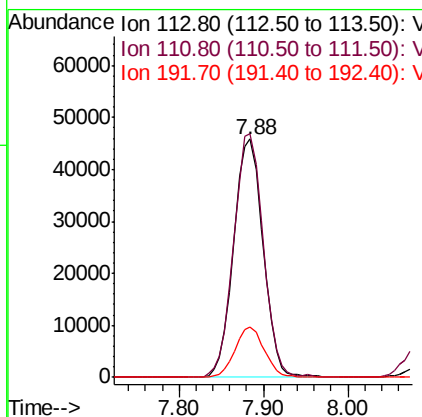
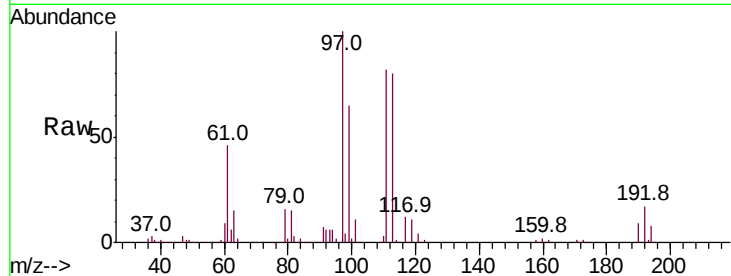
#35
 Dibromofluoromethane
 Concen: 48.279 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.7	124.1	
192	20.8	16.2	24.2	

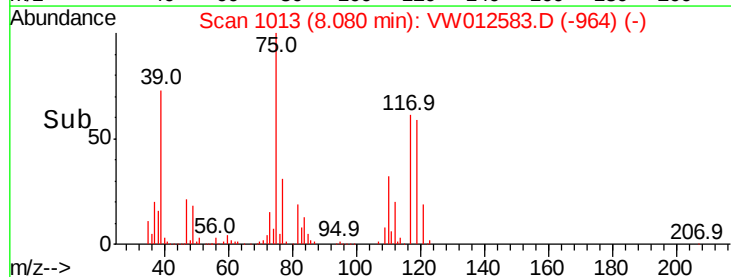
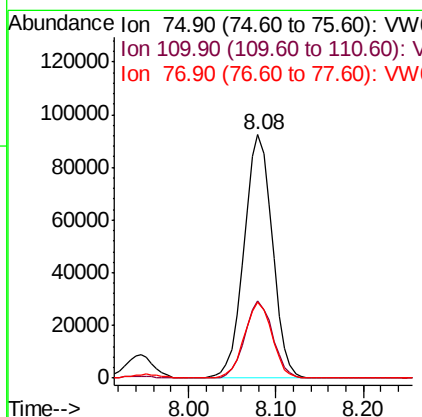
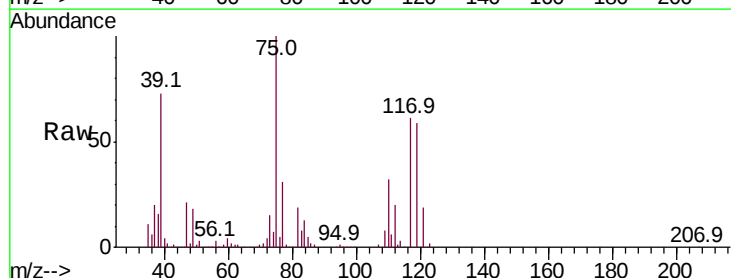
Manual Integrations
 APPROVED

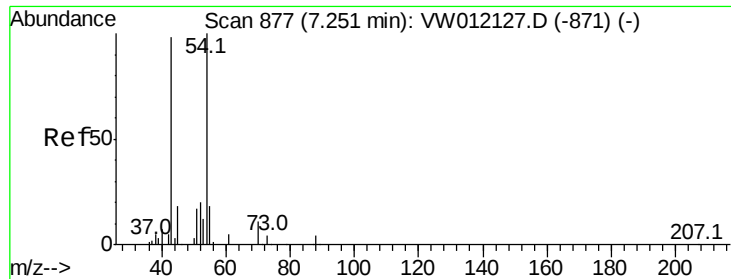
MMDadoda
 9/7/2019 12:46:09 AM



#36
 1,1-Dichloropropene
 Concen: 53.295 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.3	15.6	46.8	
77	31.1	24.6	36.8	





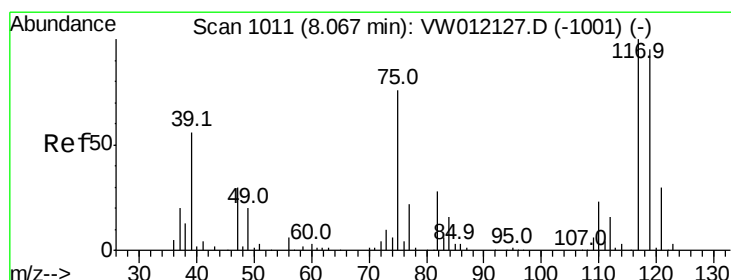
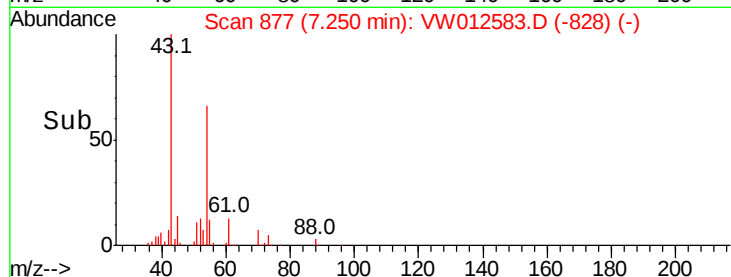
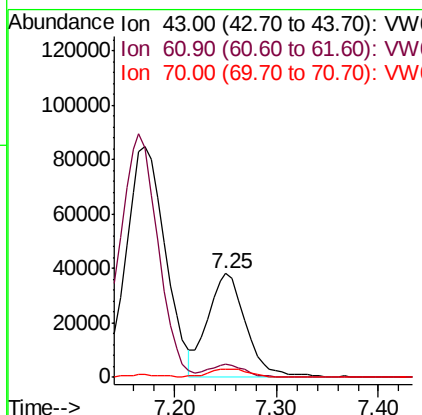
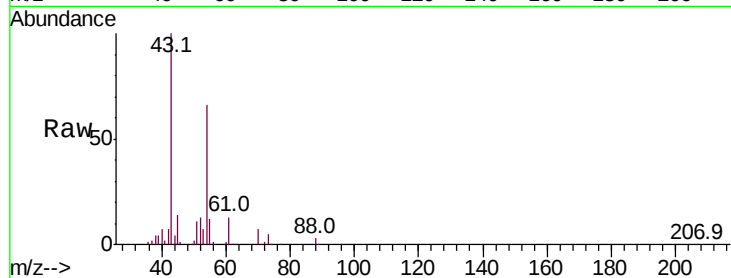
#37
Ethyl Acetate
Concen: 46.270 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	8.6	6.9	10.3

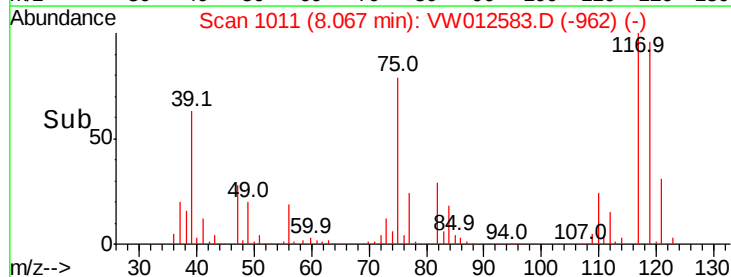
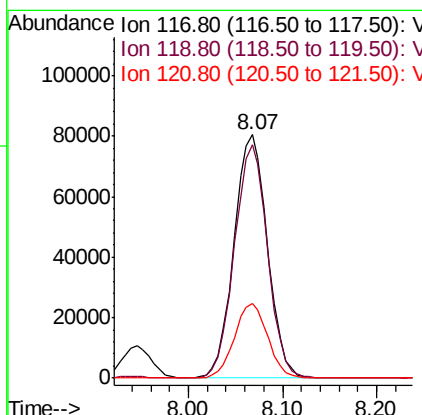
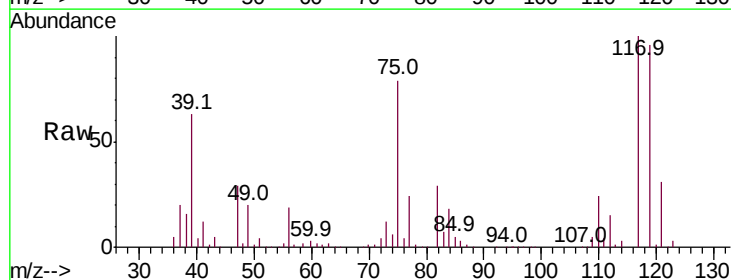
Manual Integrations
APPROVED

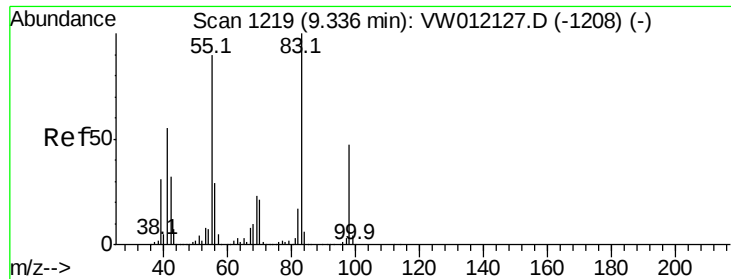
MMDadoda
9/7/2019 12:46:09 AM



#38
Carbon Tetrachloride
Concen: 59.166 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	30.7	23.8	35.8





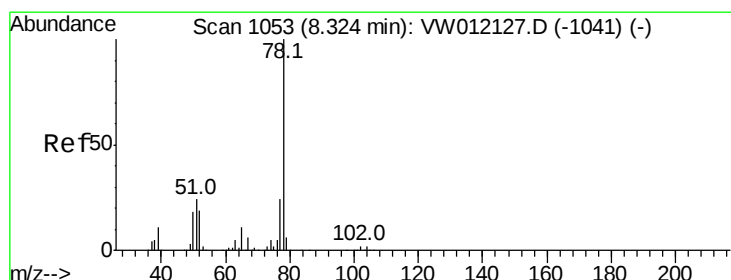
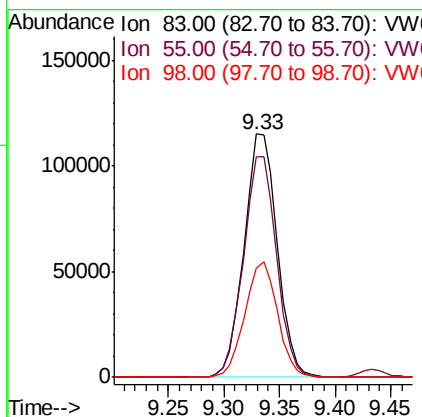
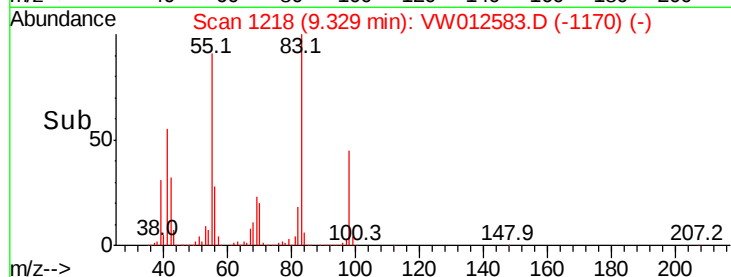
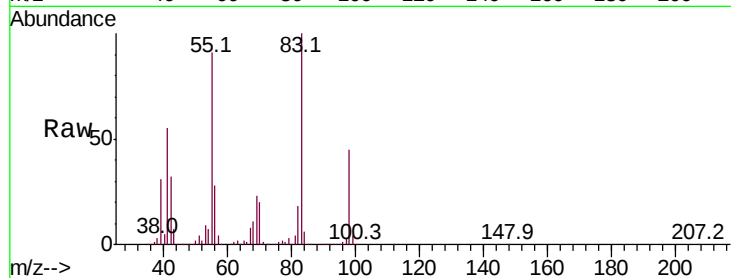
#39
Methvlcvclohexane
Concen: 54.925 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.8	71.8	107.8
98	44.8	37.8	56.8

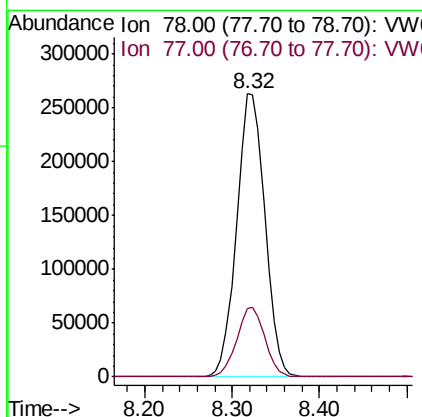
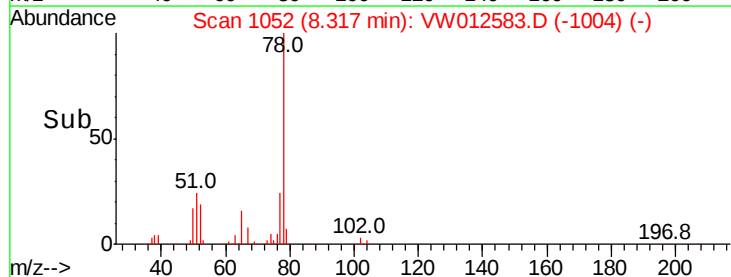
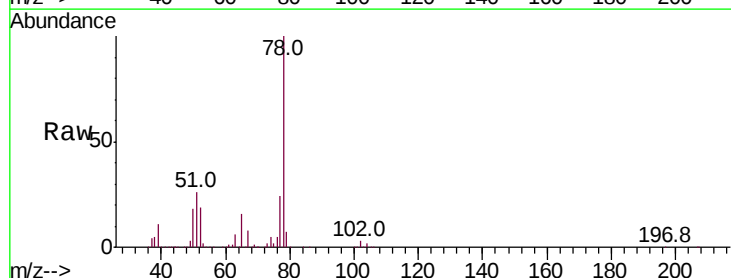
Manual Integrations
APPROVED

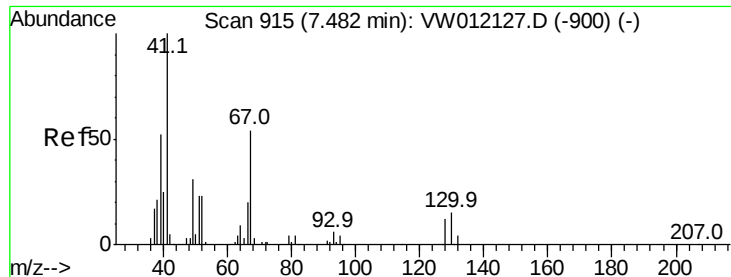
MMDadoda
9/7/2019 12:46:09 AM



#40
Benzene
Concen: 55.794 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





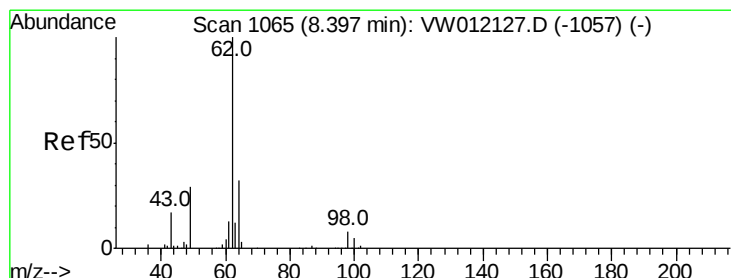
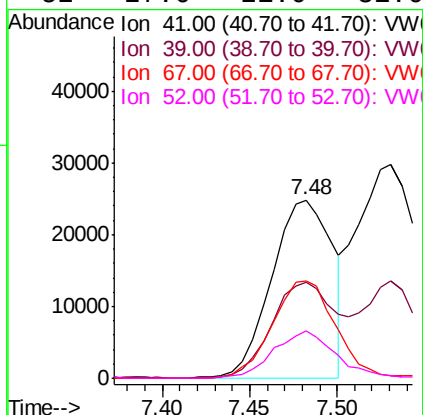
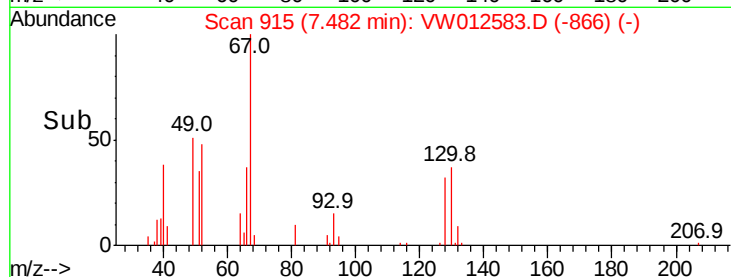
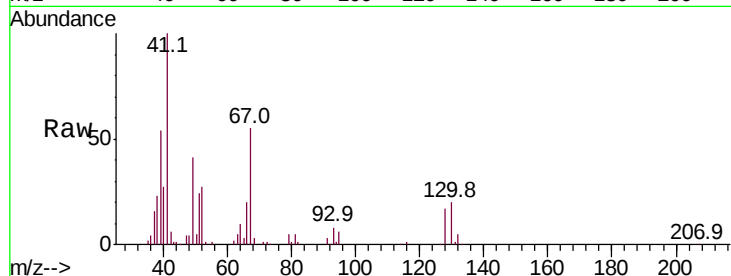
#41
Methacrylonitrile
Concen: 47.942 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	59964
Ion	Ratio	Lower	Upper
41	100		
39	58.9	45.8	68.8
67	57.7	46.2	69.4
52	27.6	21.0	31.6

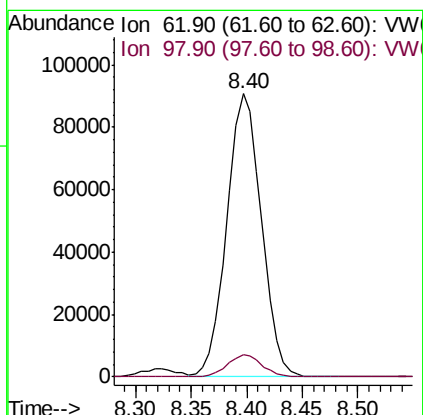
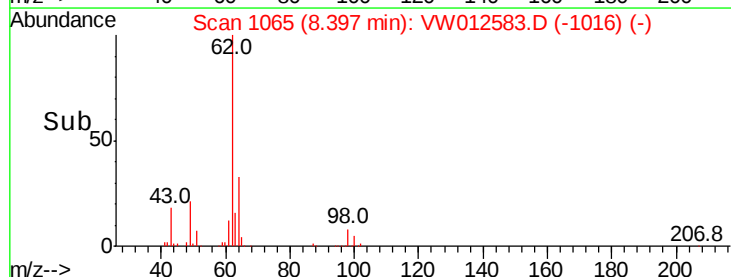
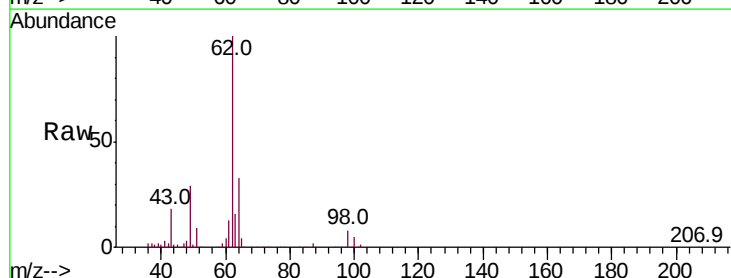
Manual Integrations
APPROVED

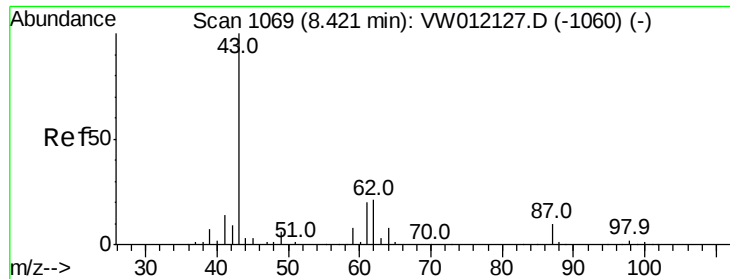
MMDadoda
9/7/2019 12:46:09 AM



#42
1,2-Dichloroethane
Concen: 58.760 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	62	Resp	195287
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 52.558 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

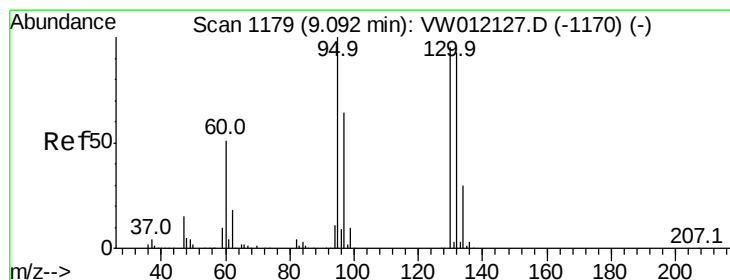
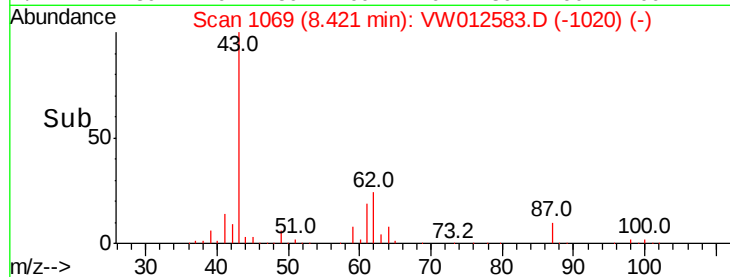
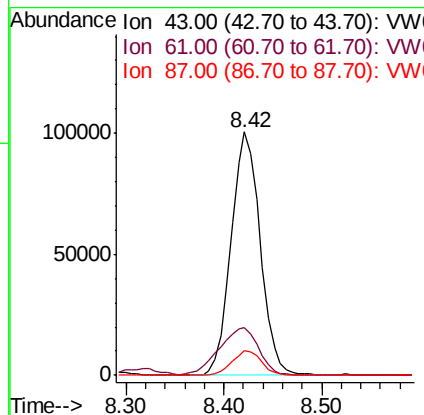
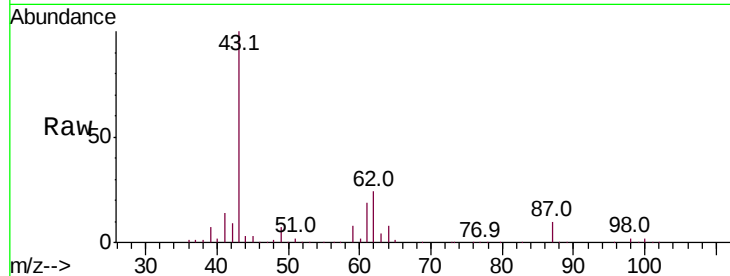
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	207180
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	10.3	8.2	12.2

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#44

Trichloroethene

Concen: 57.432 ug/l

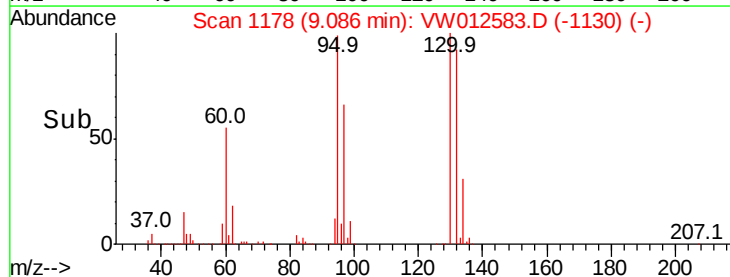
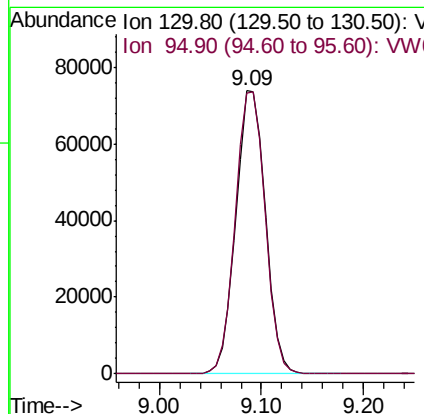
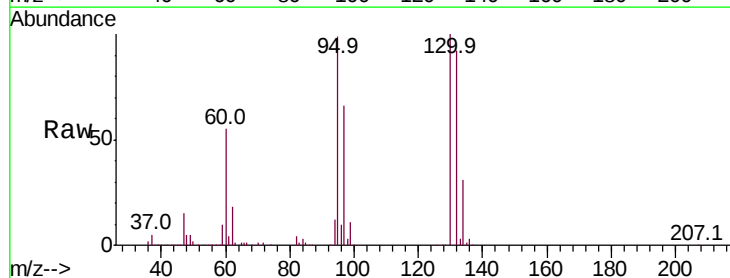
RT: 9.09 min Scan# 1178

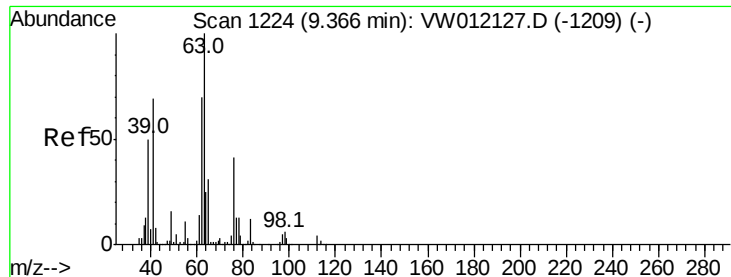
Delta R.T. -0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion:	130	Resp:	148053
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	210.6





#45

1,2-Dichloropropane

Concen: 54.849 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 156536

Ion Ratio Lower Upper

63 100

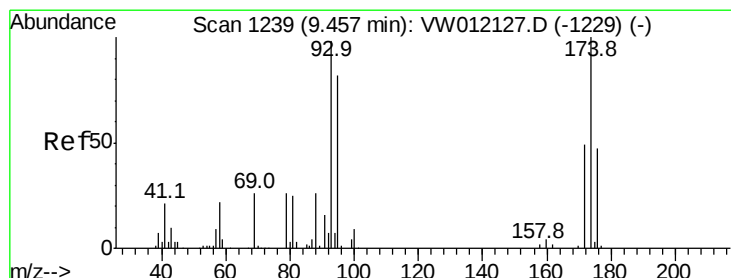
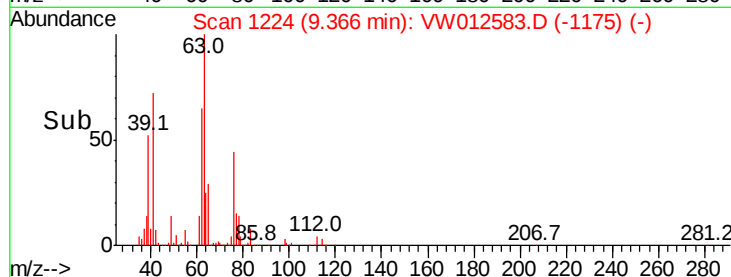
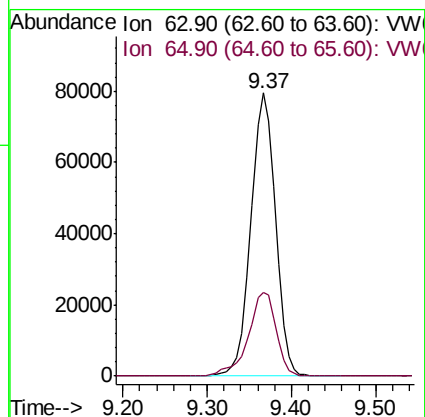
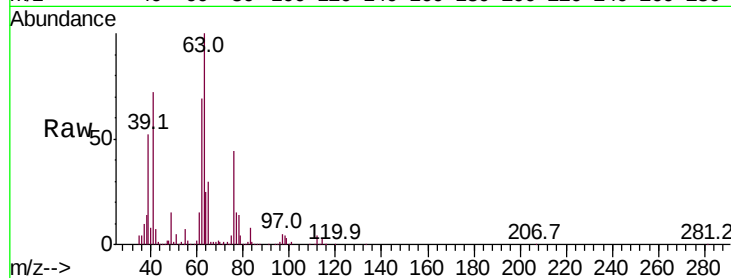
65 29.5 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#46

Dibromomethane

Concen: 56.086 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

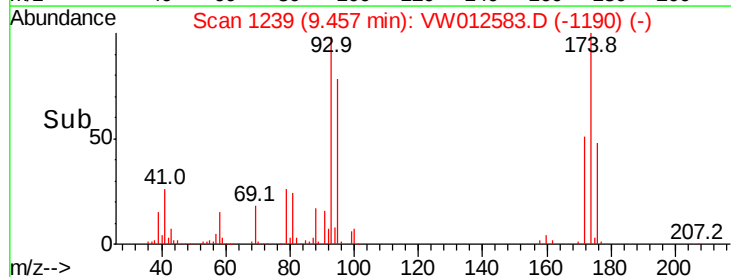
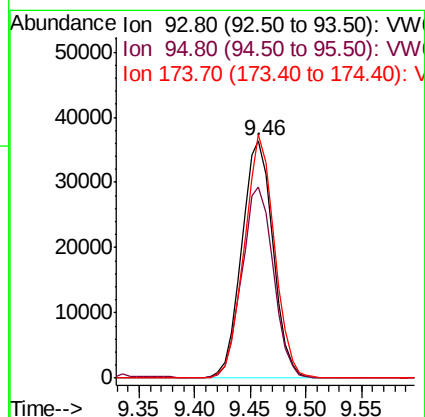
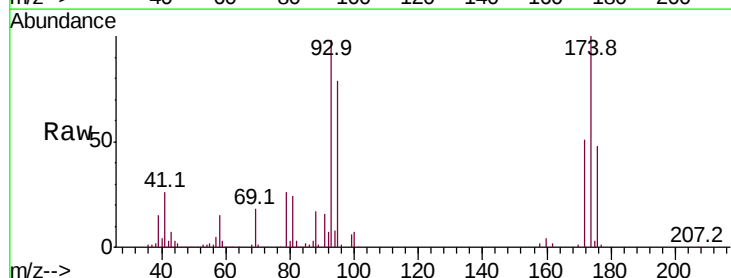
Tgt Ion: 93 Resp: 71218

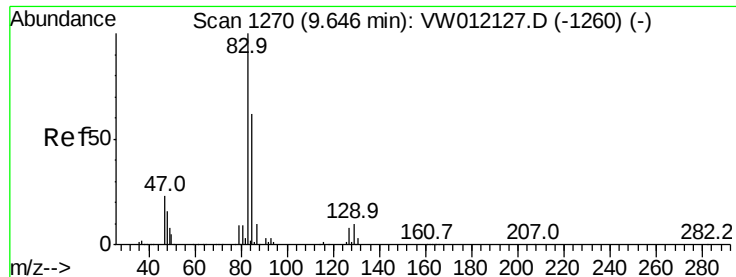
Ion Ratio Lower Upper

93 100

95 81.1 67.2 100.8

174 98.8 79.0 118.6





#47

Bromodichloromethane

Concen: 58.631 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

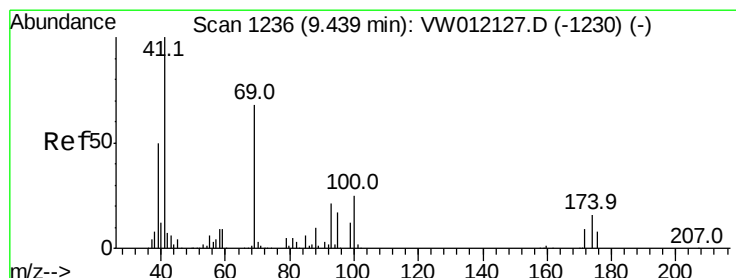
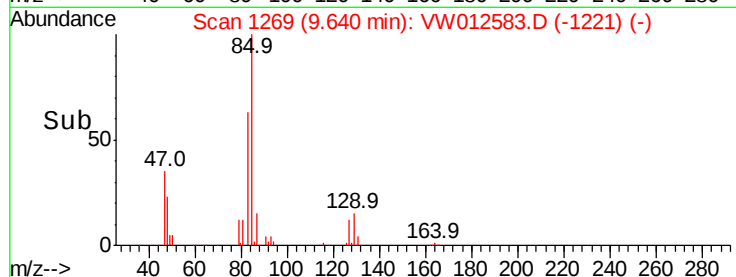
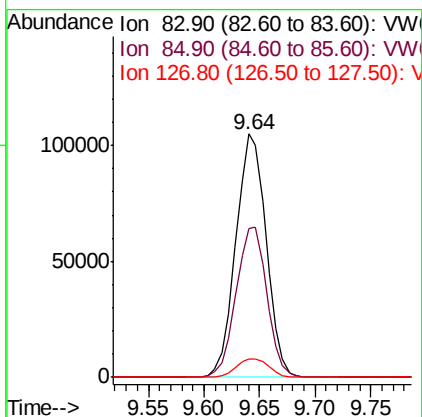
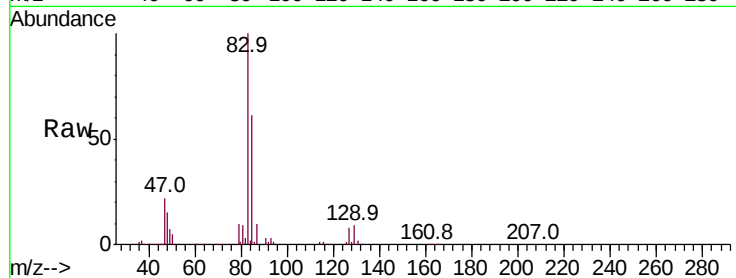
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	198141
Ion Ratio	Lower	Upper	
83	100		
85	61.4	49.4	74.2
127	7.6	6.1	9.1

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#48

Methyl methacrylate

Concen: 53.443 ug/l

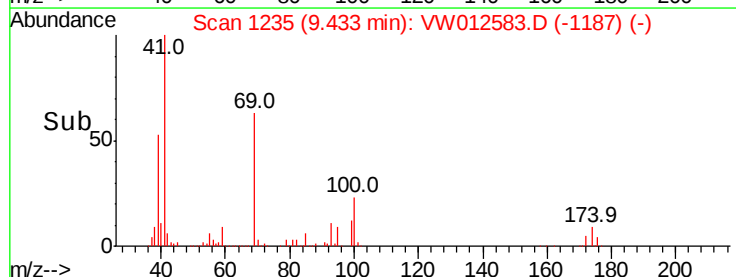
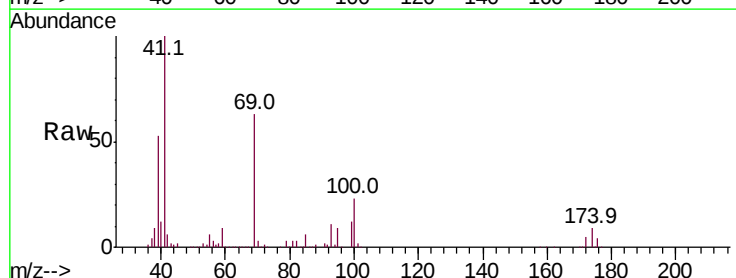
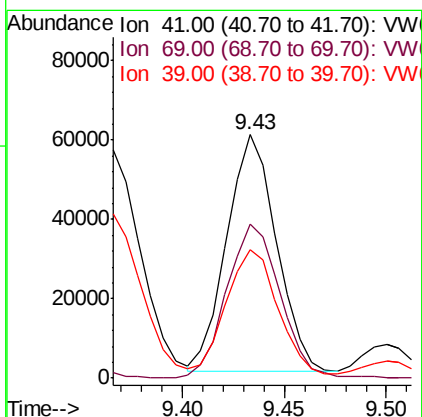
RT: 9.43 min Scan# 1235

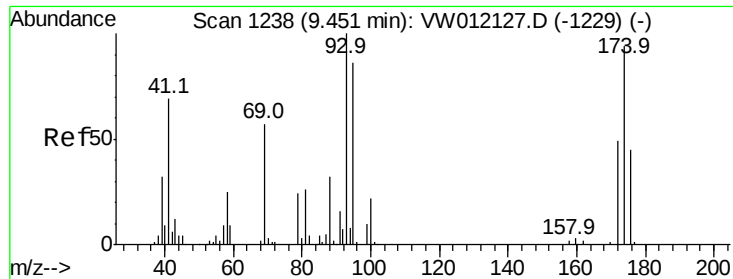
Delta R.T. -0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion:	41	Resp:	100268
Ion Ratio	Lower	Upper	
41	100		
69	70.4	56.7	85.1
39	54.1	42.0	63.0





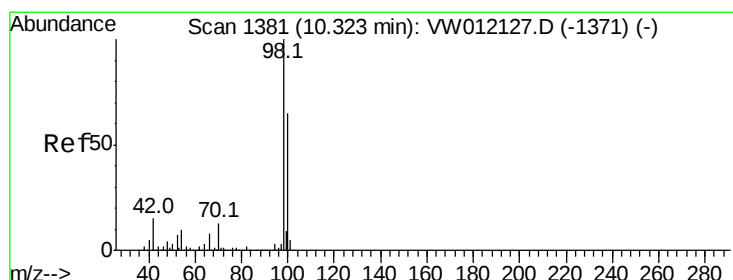
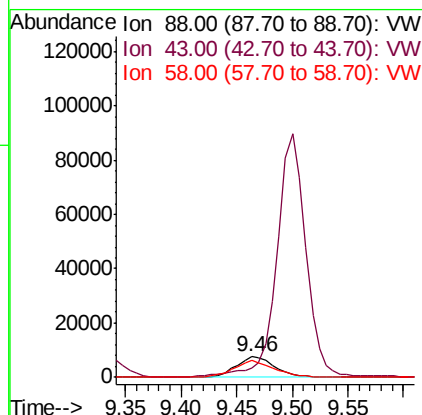
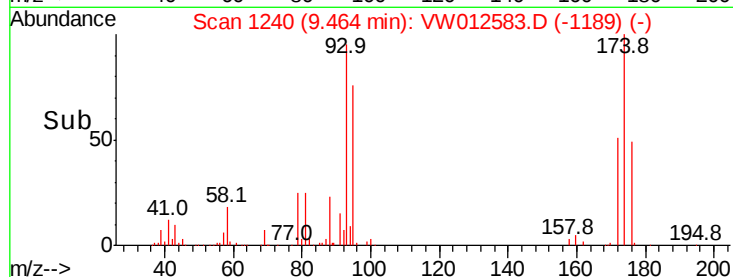
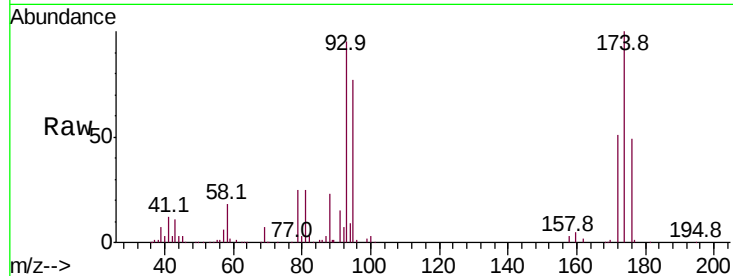
#49
1,4-Dioxane
Concen: 943.970 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	18350
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	86.6	71.0	106.4

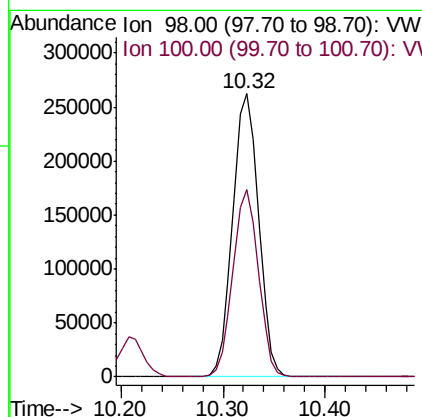
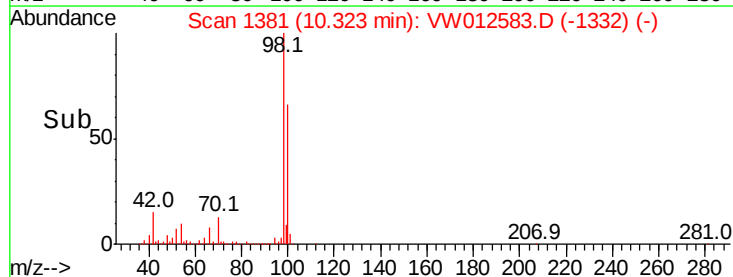
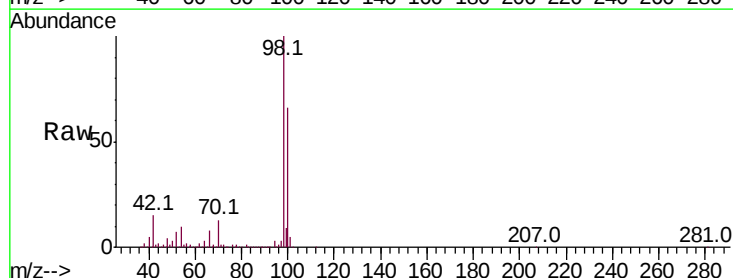
Manual Integrations
APPROVED

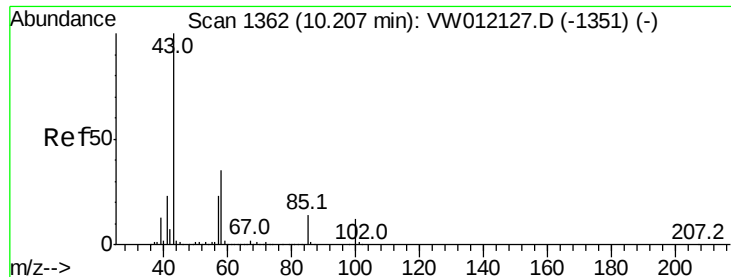
MMDadoda
9/7/2019 12:46:09 AM



#50
Toluene-d8
Concen: 50.692 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	98	Resp	461070
Ion Ratio	100	Lower	Upper
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 259.851 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 521000

Ion Ratio Lower Upper

43 100

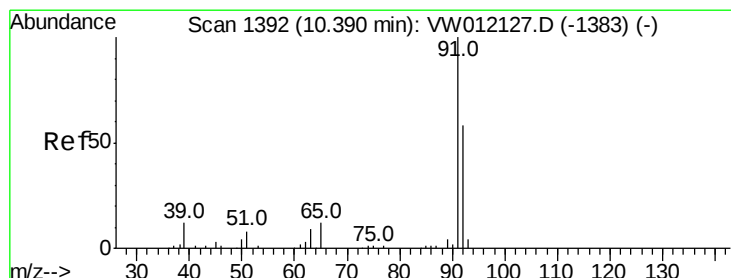
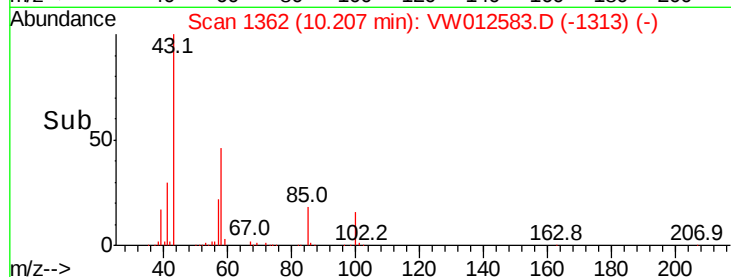
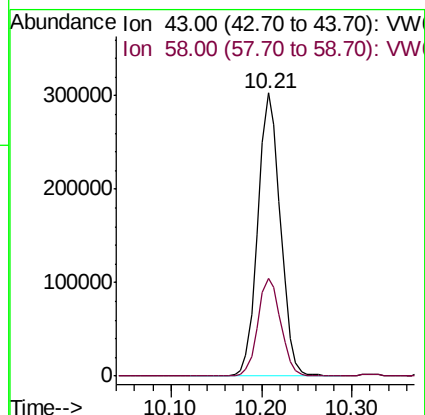
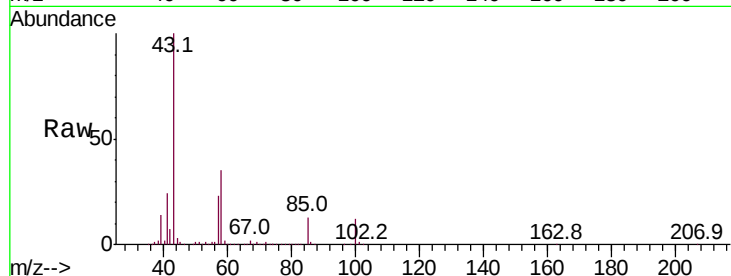
58 35.0 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#52

Toluene

Concen: 56.467 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012583.D

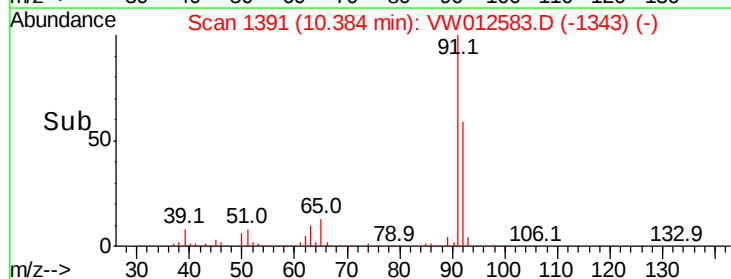
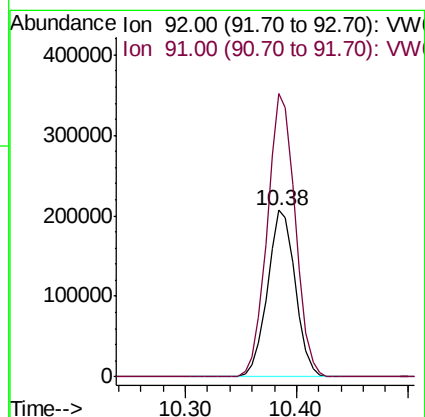
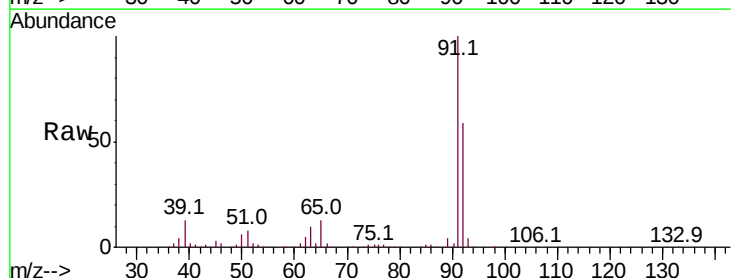
Acq: 04 Sep 2019 09:28

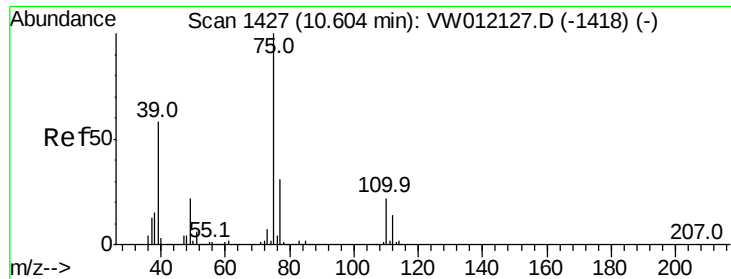
Tgt Ion: 92 Resp: 359719

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8





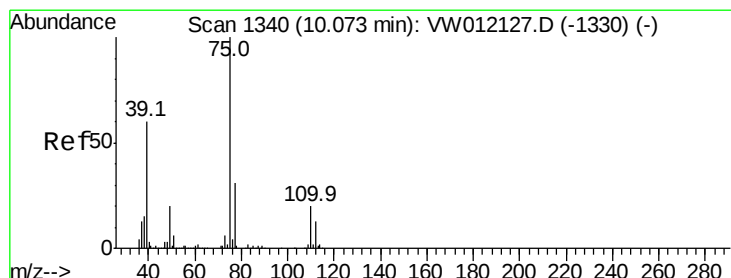
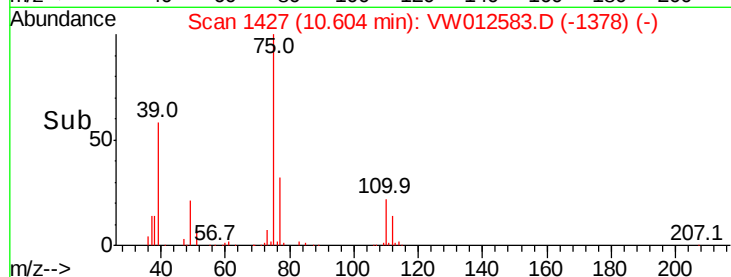
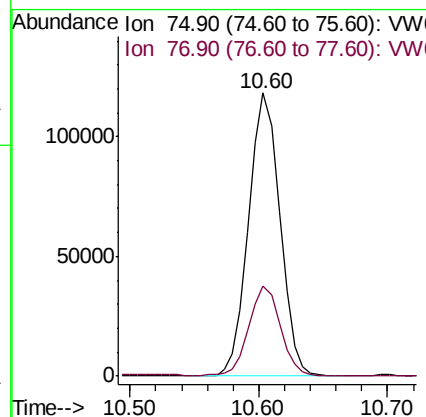
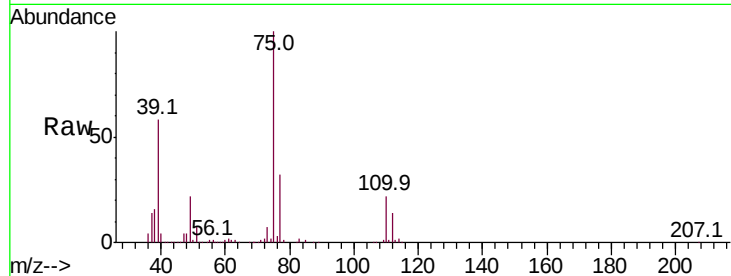
#53
 t-1,3-Dichloropropene
 Concen: 57.752 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 198805
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.4

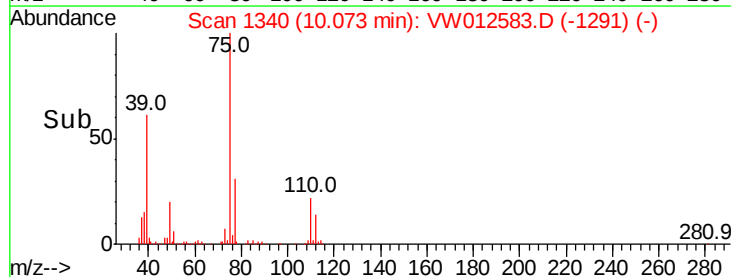
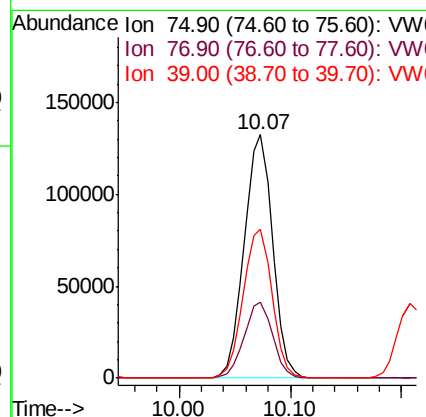
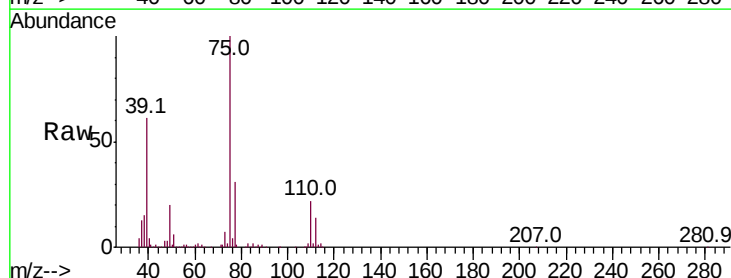
Manual Integrations
 APPROVED

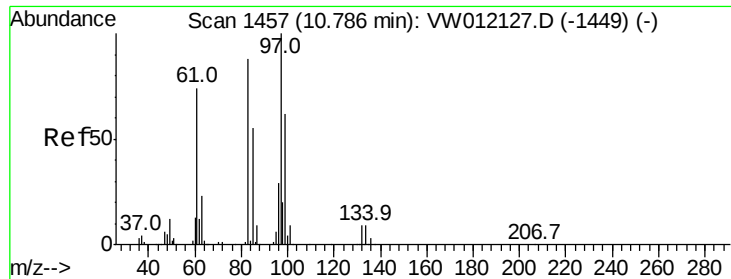
MMDadoda
 9/7/2019 12:46:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 56.620 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion: 75 Resp: 235341
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.1 37.7
 39 61.1 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 55.562 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

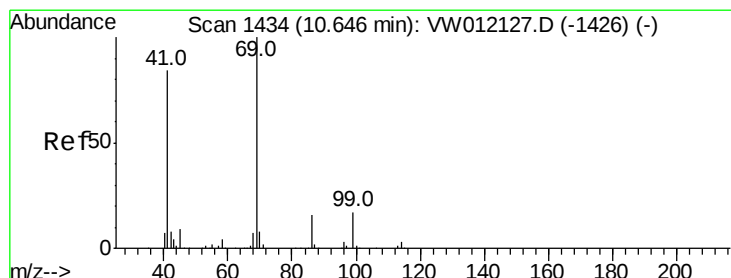
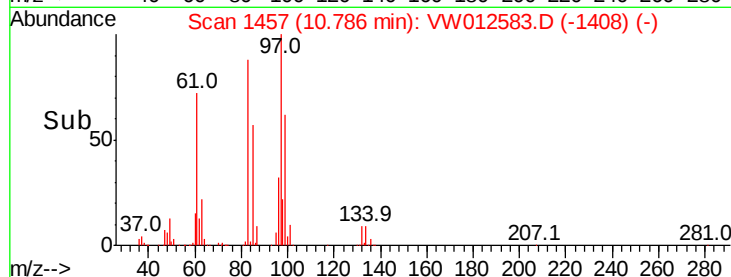
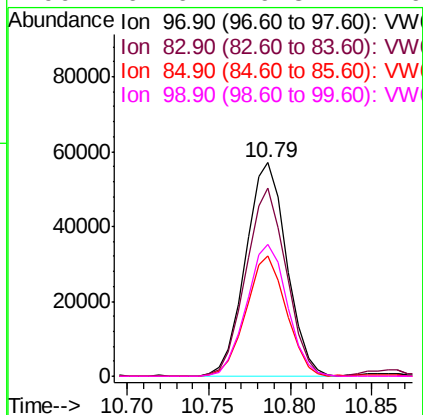
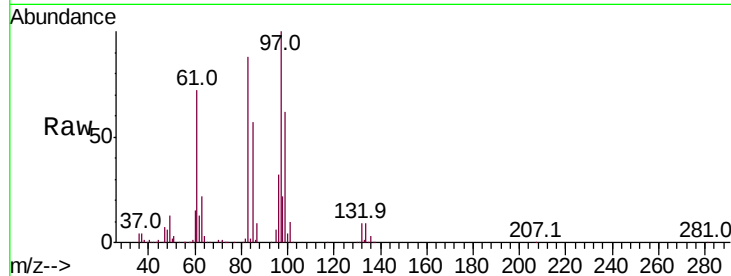
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	99822
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.8	106.2
85	56.6	43.8	65.8
99	61.6	49.8	74.6

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#56

Ethyl methacrylate

Concen: 54.741 ug/l

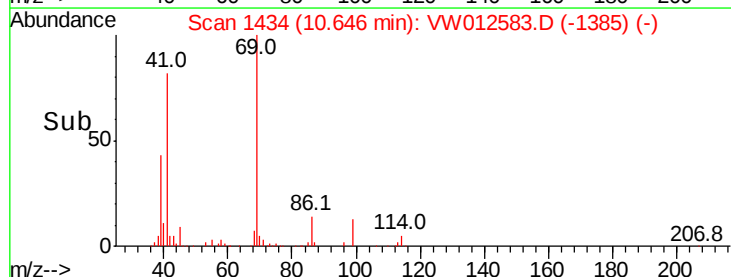
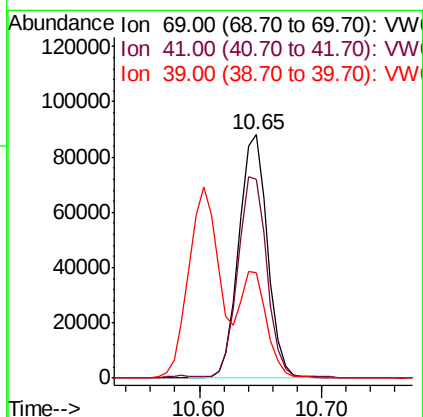
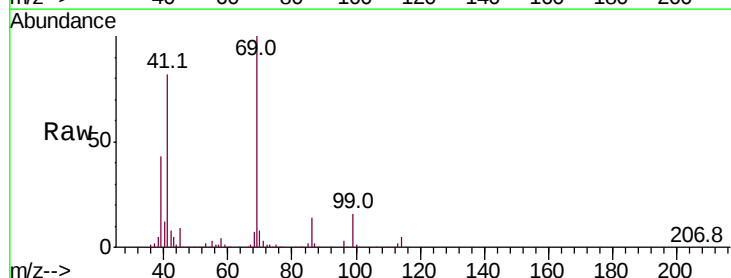
RT: 10.65 min Scan# 1434

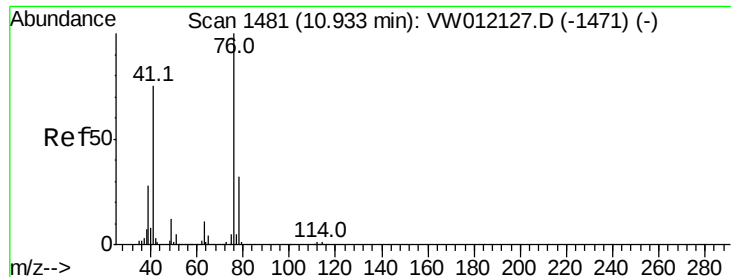
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion	69	Resp	143136
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	38.9	31.0	46.4





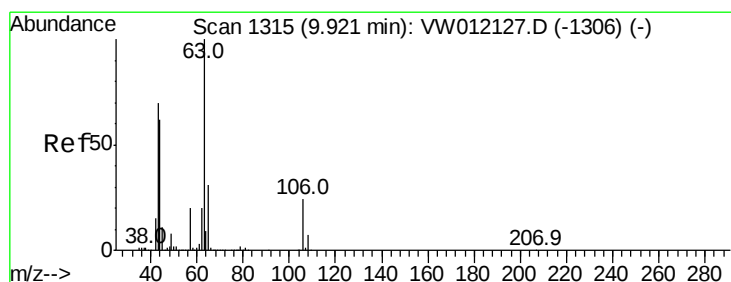
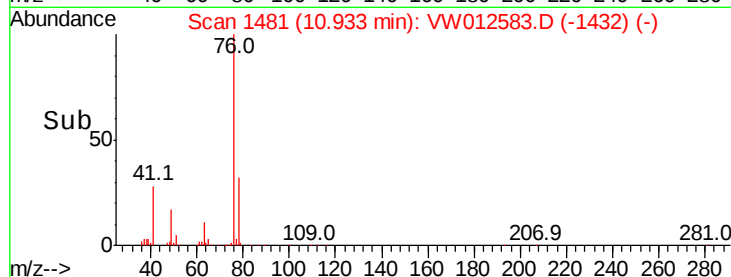
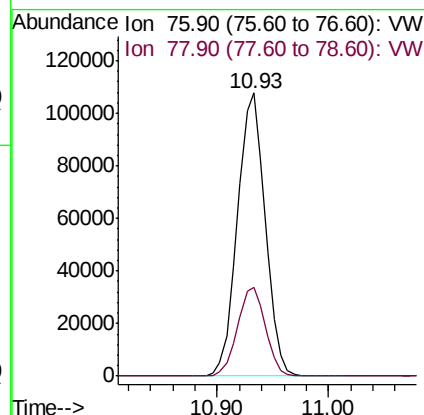
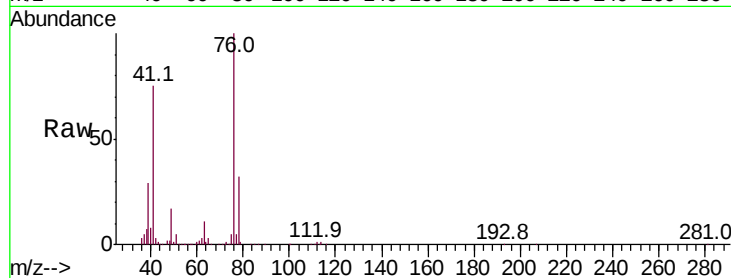
#57
 1,3-Dichloropropane
 Concen: 54.784 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 185998
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

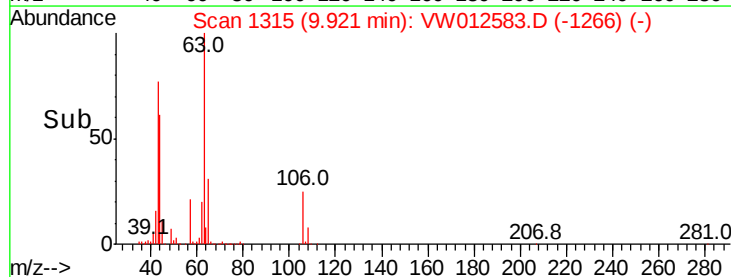
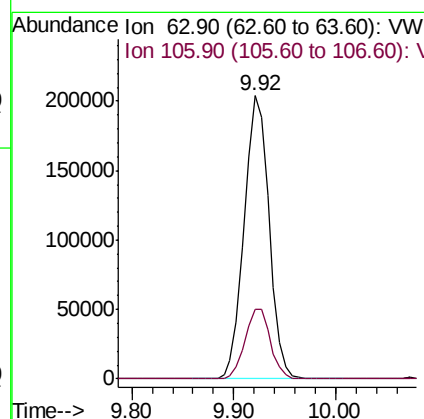
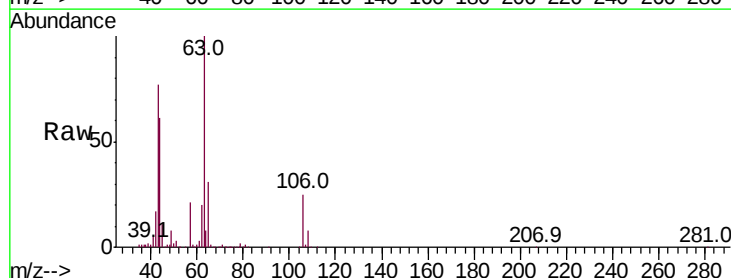
Manual Integrations
 APPROVED

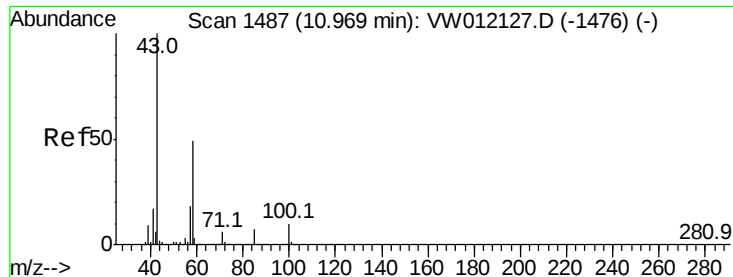
MMDadoda
 9/7/2019 12:46:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.834 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion: 63 Resp: 344663
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





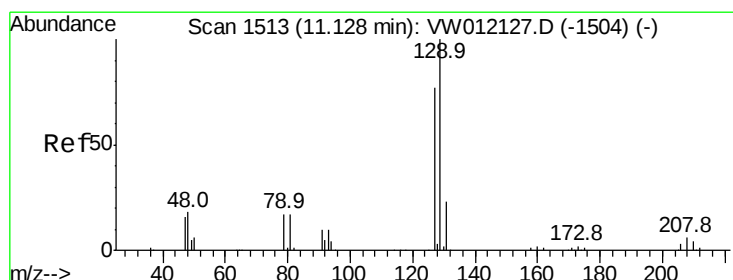
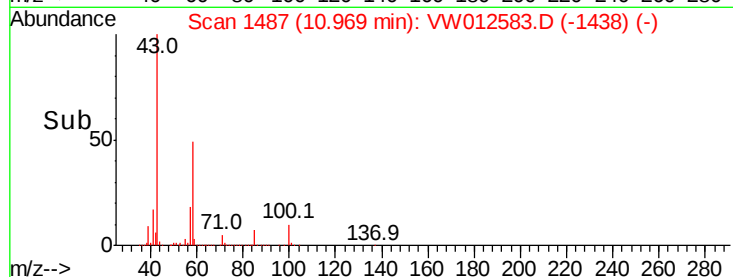
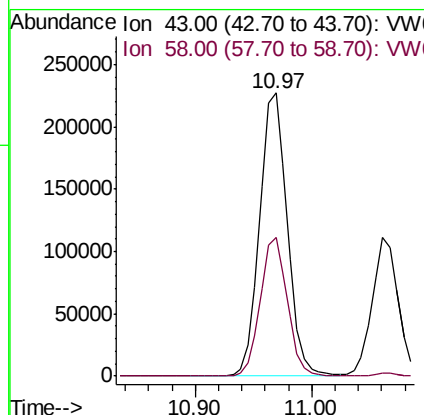
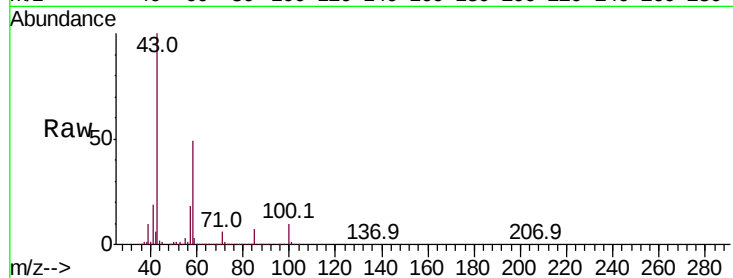
#59
2-Hexanone
Concen: 265.584 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	24.3	72.9

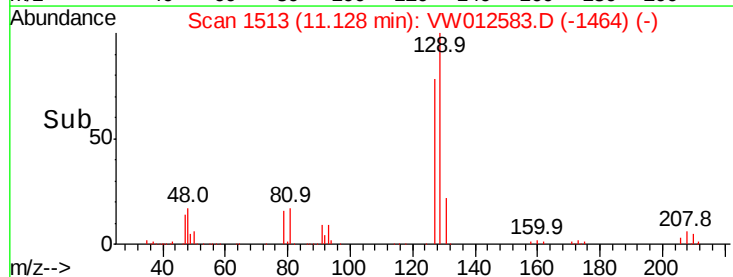
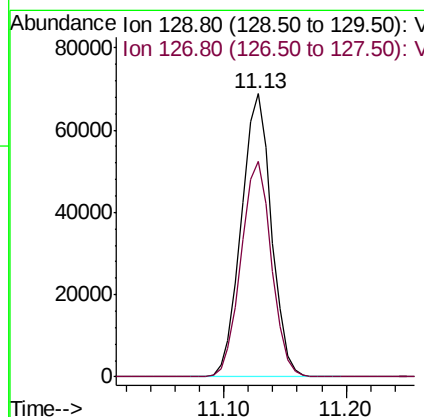
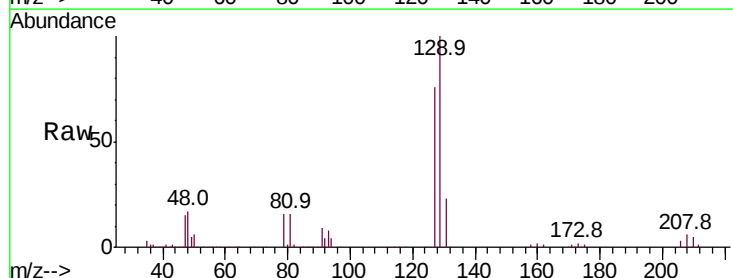
Manual Integrations
APPROVED

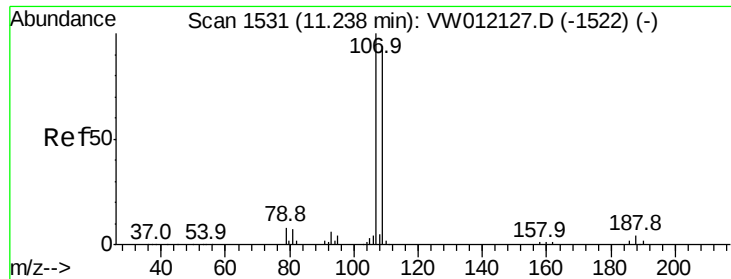
MMDadoda
9/7/2019 12:46:09 AM



#60
Dibromochloromethane
Concen: 58.570 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8





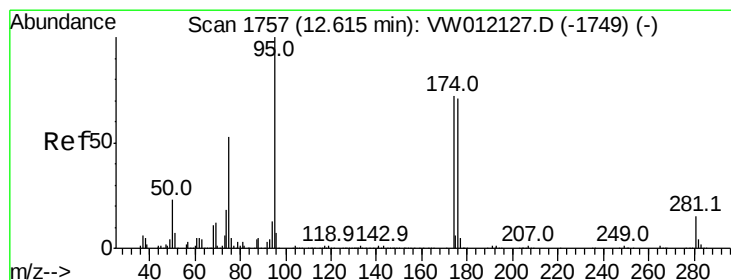
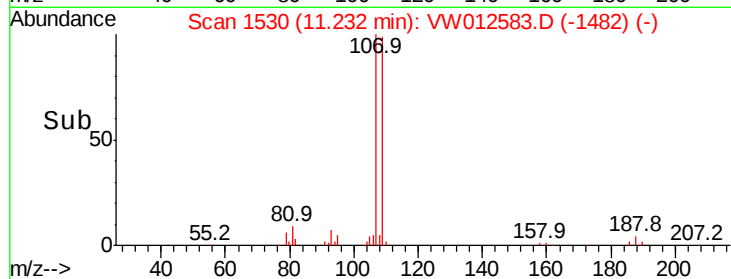
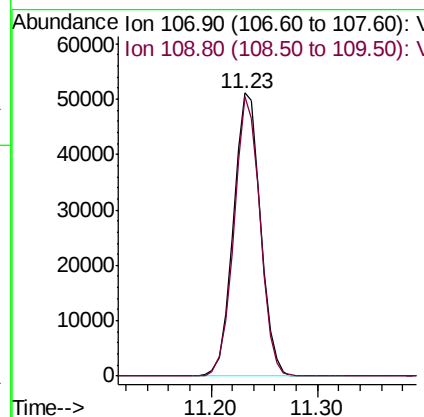
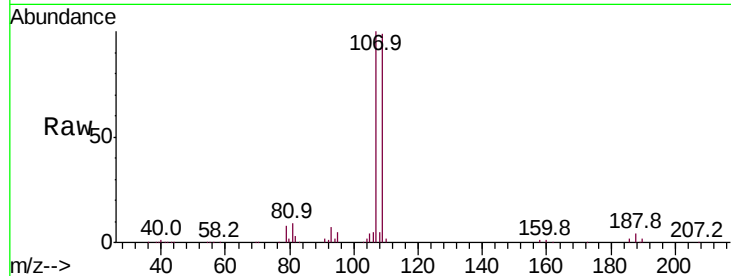
#61
1,2-Dibromoethane
Concen: 54.393 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.2

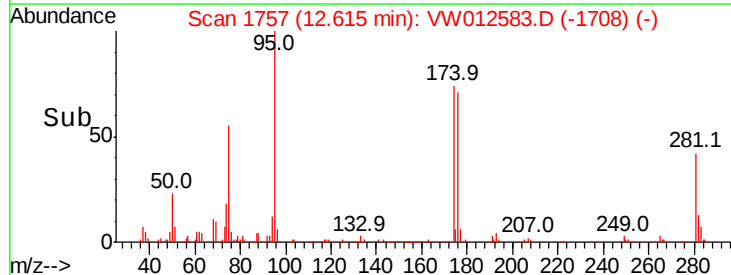
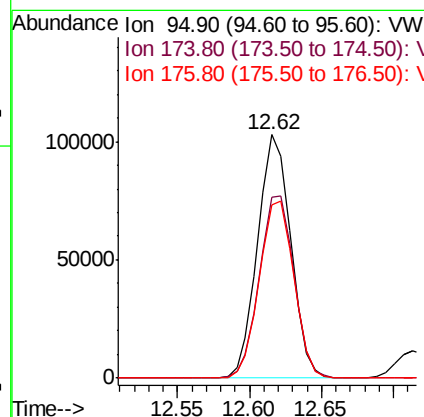
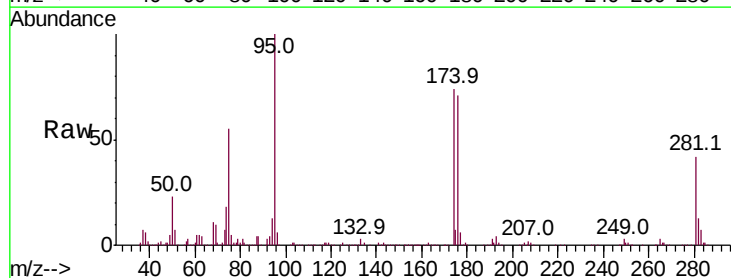
Manual Integrations
APPROVED

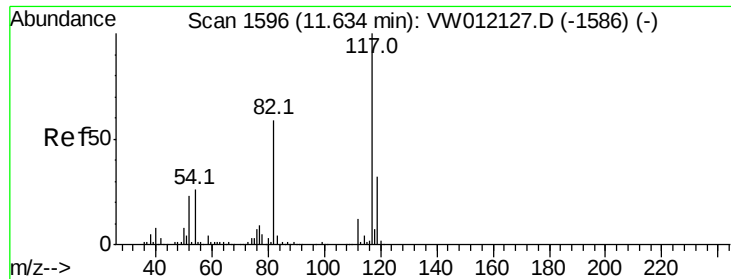
MMDadoda
9/7/2019 12:46:09 AM



#62
4-Bromofluorobenzene
Concen: 51.096 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	150.8
176	75.8	0.0	148.6





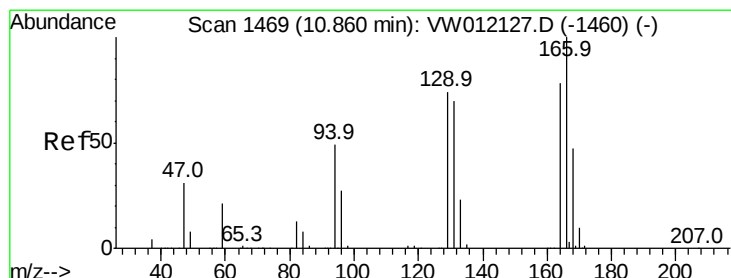
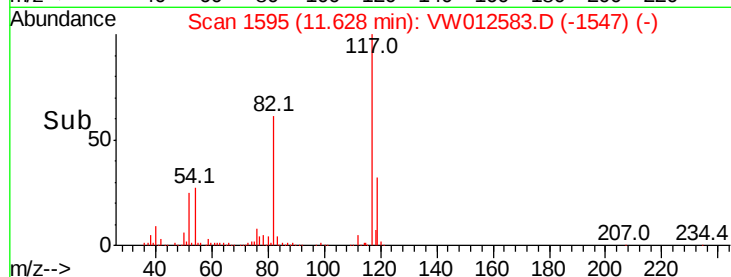
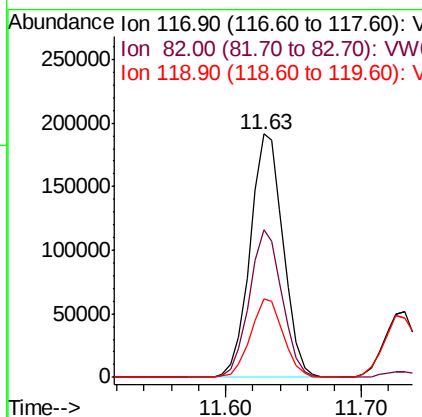
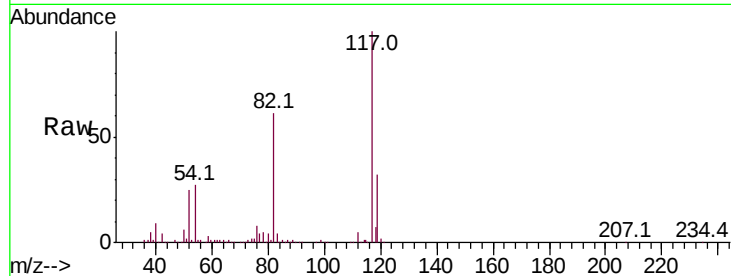
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	325477		
82	60.6	47.4	71.2	
119	32.1	25.4	38.2	

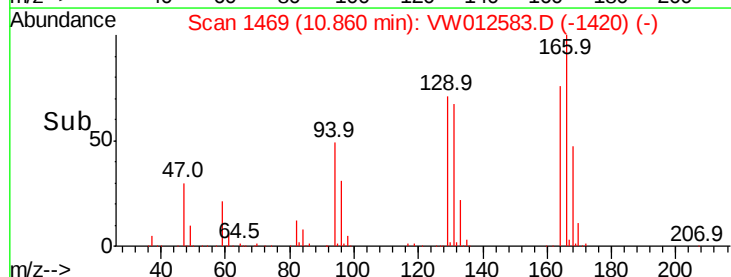
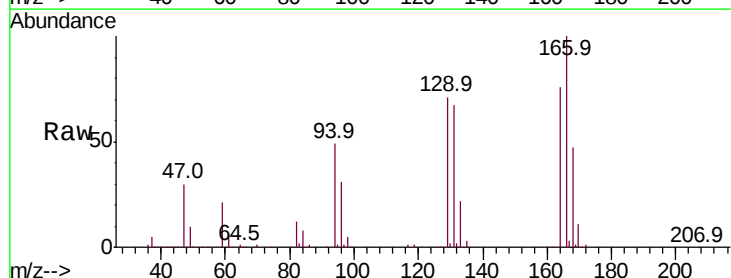
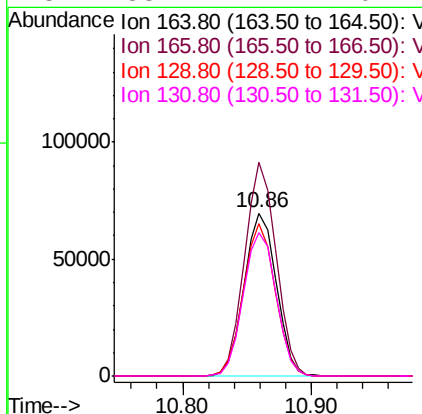
Manual Integrations
APPROVED

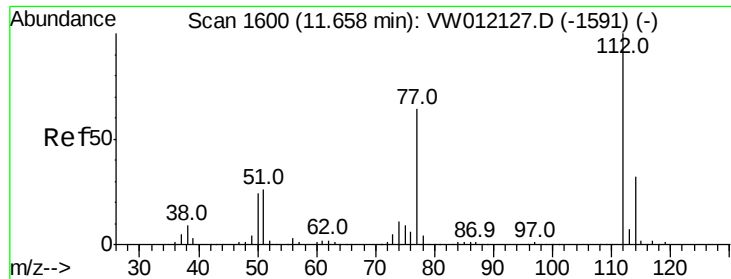
MMDadoda
9/7/2019 12:46:09 AM



#64
Tetrachloroethene
Concen: 57.056 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120398		
166	131.3	102.4	153.6	
129	93.5	75.8	113.6	
131	88.1	71.4	107.2	





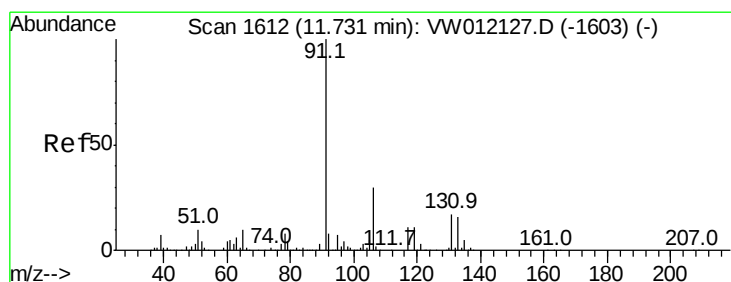
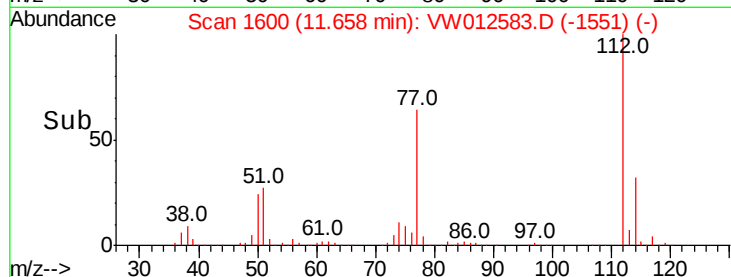
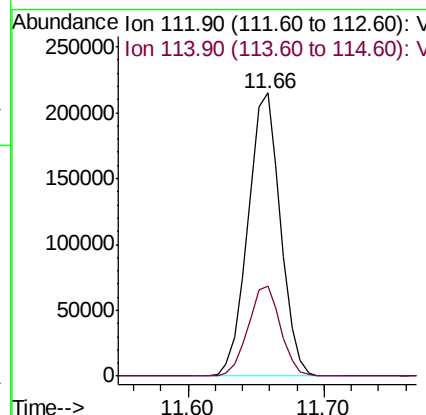
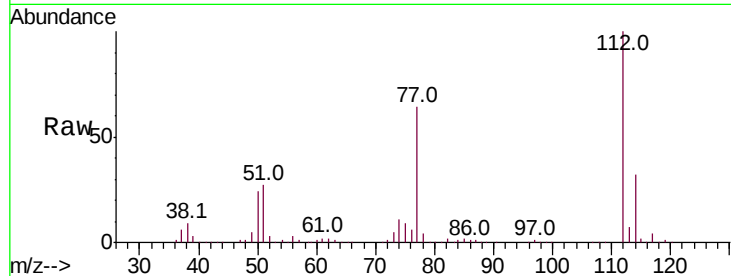
#65
Chlorobenzene
Concen: 56.017 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 359010
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

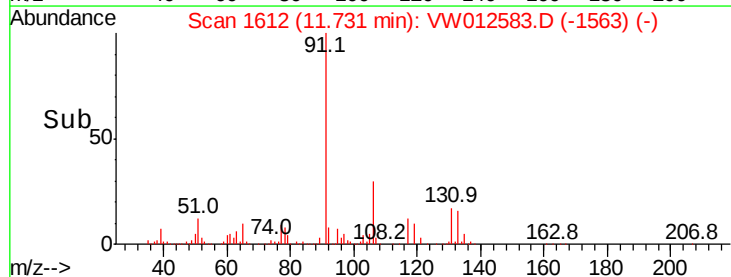
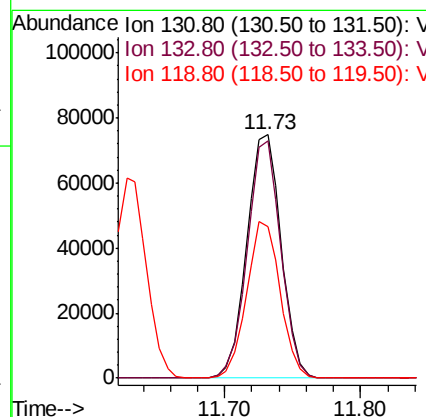
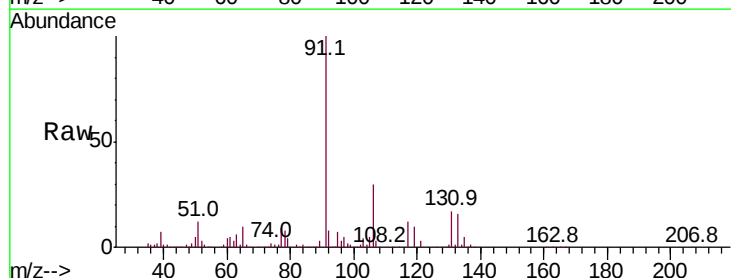
Manual Integrations
APPROVED

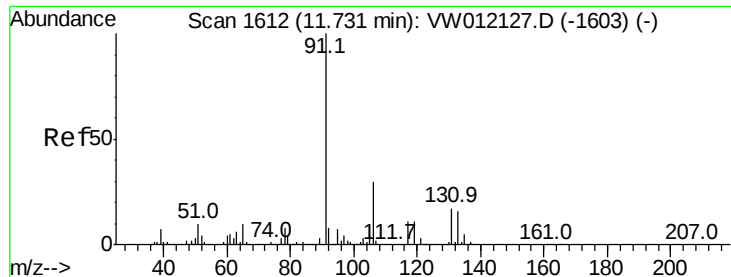
MMDadoda
9/7/2019 12:46:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 59.020 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion:131 Resp: 131959
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.3
119 62.9 31.8 95.3





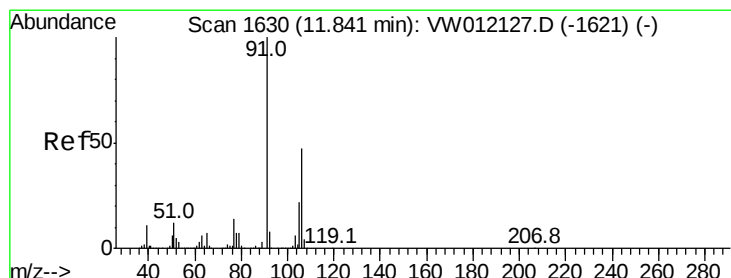
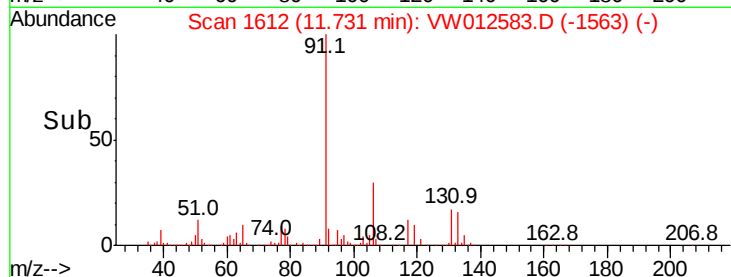
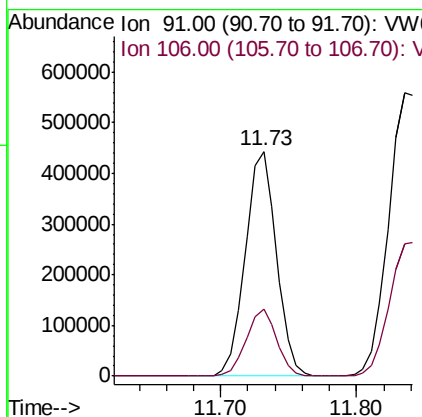
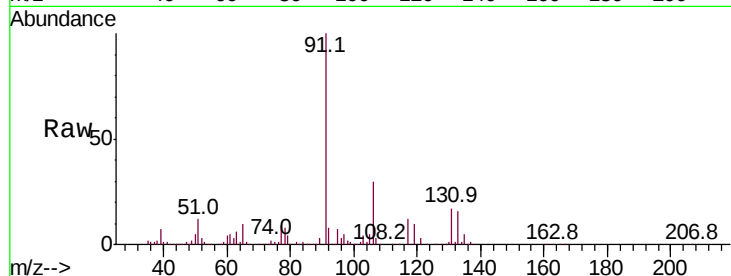
#67
Ethyl Benzene
Concen: 57.505 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 709935
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

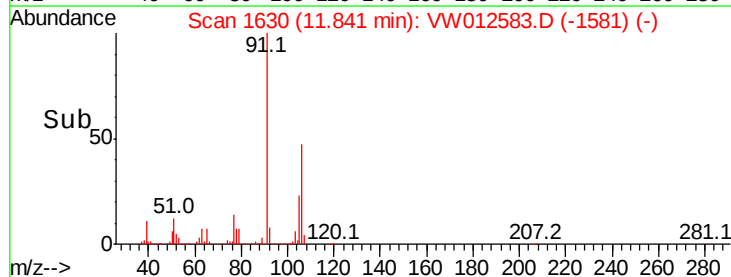
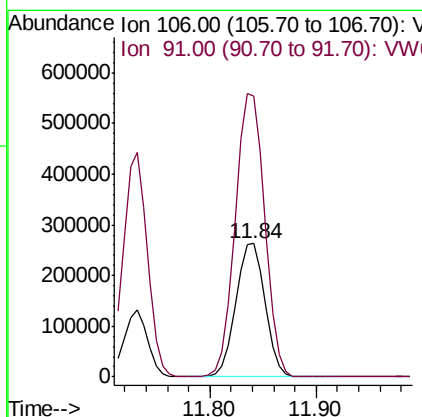
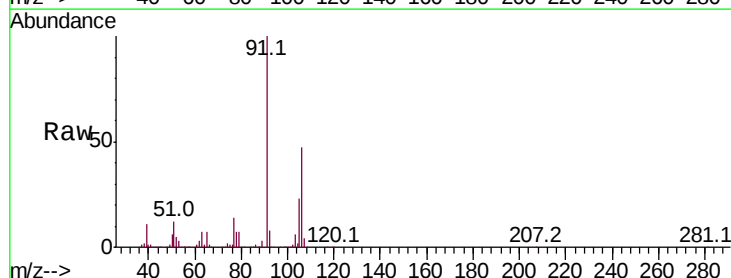
Manual Integrations
APPROVED

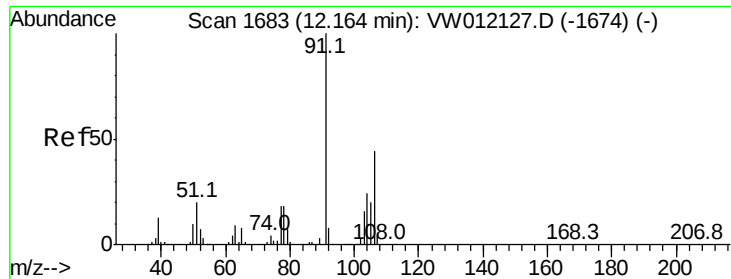
MMDadoda
9/7/2019 12:46:09 AM



#68
m/p-Xylenes
Concen: 114.308 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion: 106 Resp: 508335
Ion Ratio Lower Upper
106 100
91 214.0 169.5 254.3





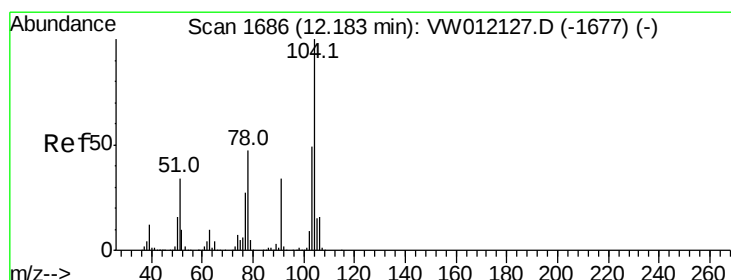
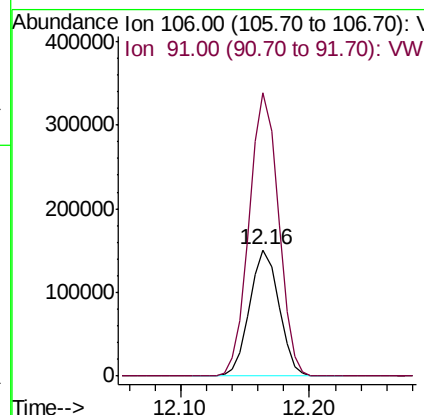
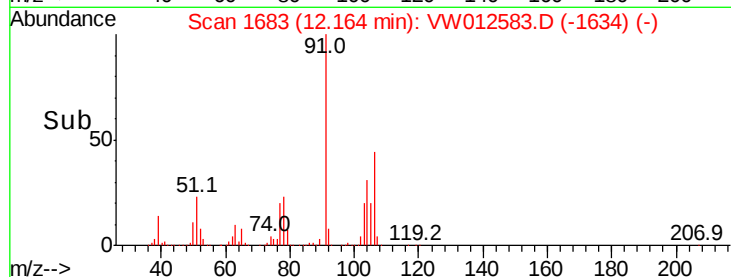
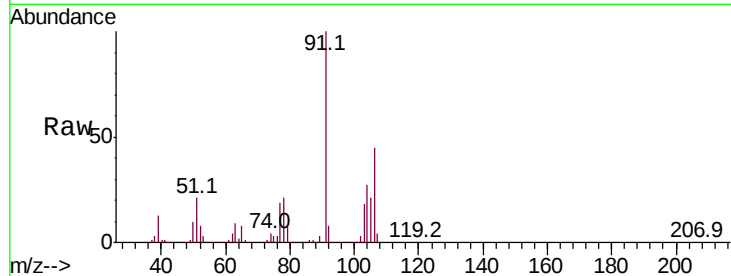
#69
o-Xylene
Concen: 57.609 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.9	111.6	334.6

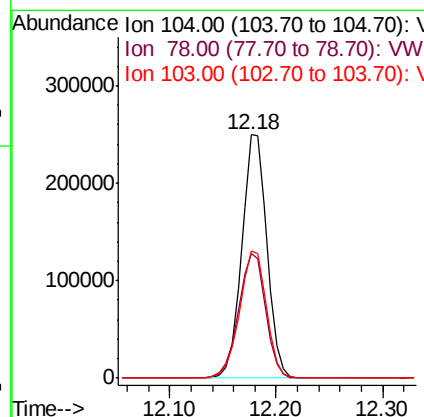
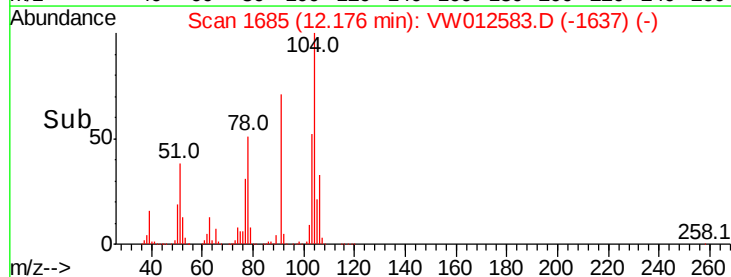
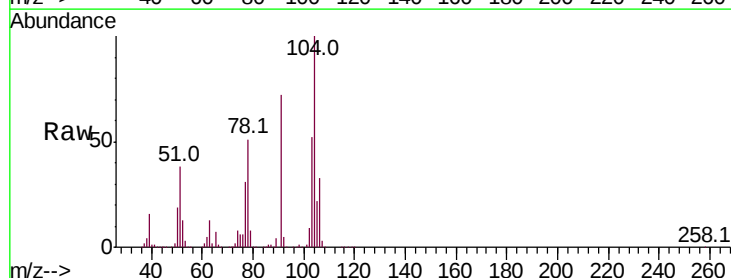
Manual Integrations
APPROVED

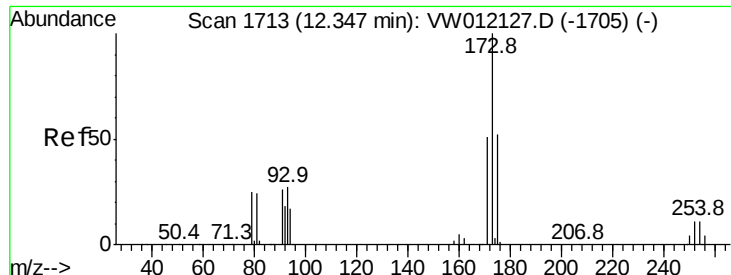
MMDadoda
9/7/2019 12:46:09 AM



#70
Styrene
Concen: 57.878 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.5	43.1	64.7
103	56.1	43.5	65.3





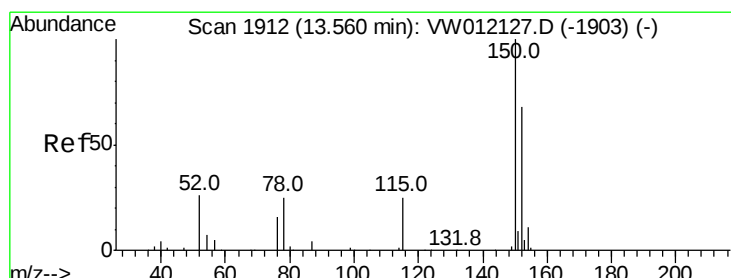
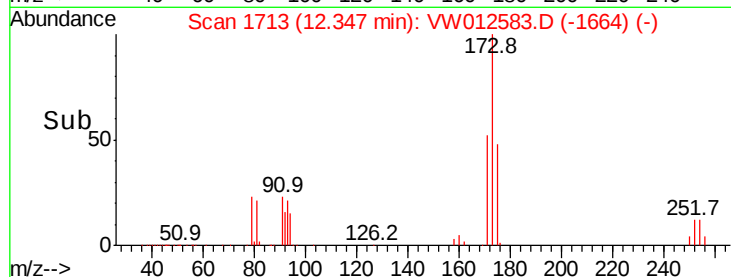
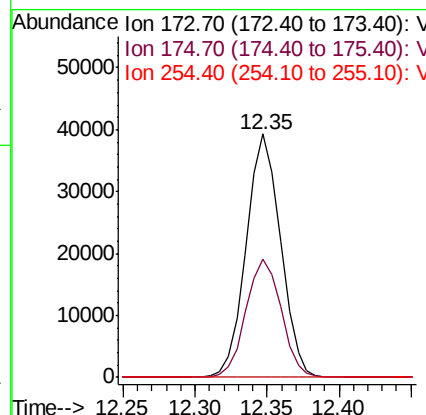
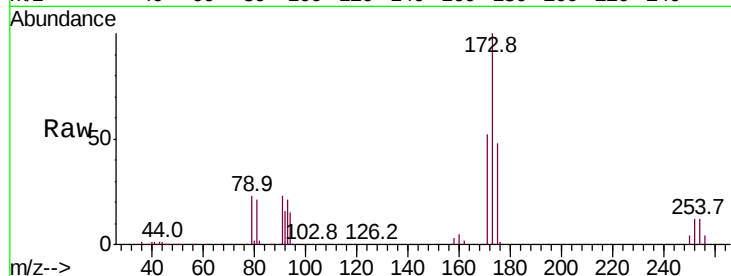
#71
Bromoform
Concen: 58.203 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	74.0
254	0.1	0.2	0.2

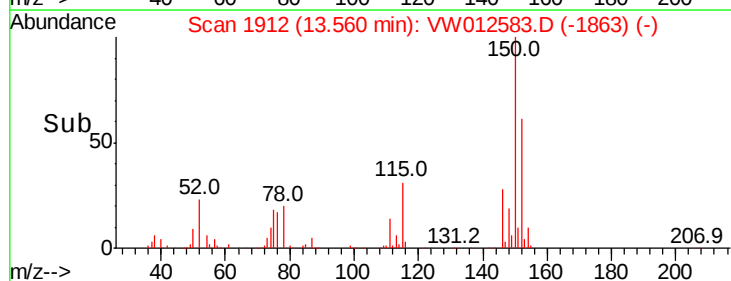
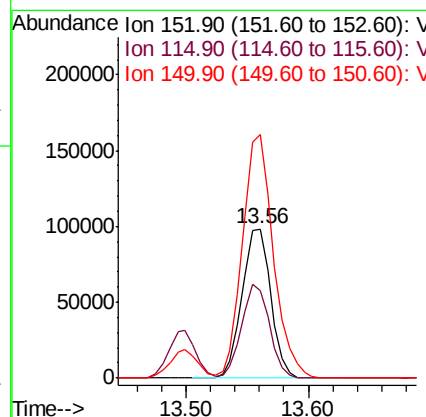
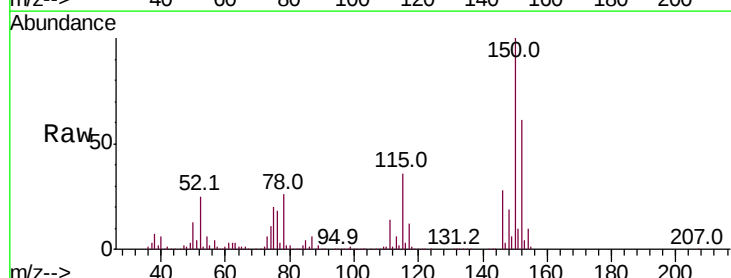
Manual Integrations
APPROVED

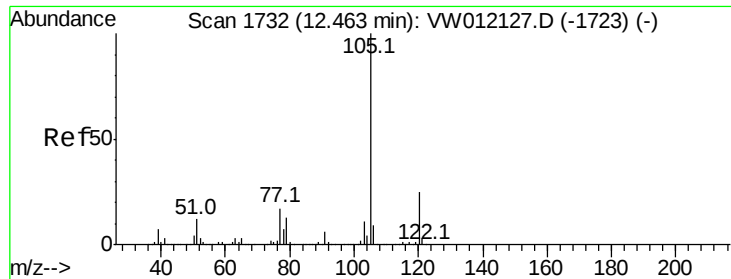
MMDadoda
9/7/2019 12:46:09 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.3
150	175.9	0.0	345.8





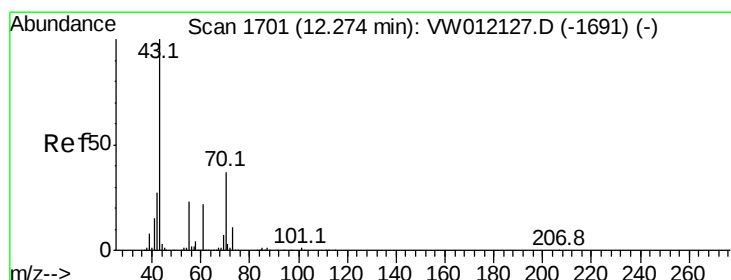
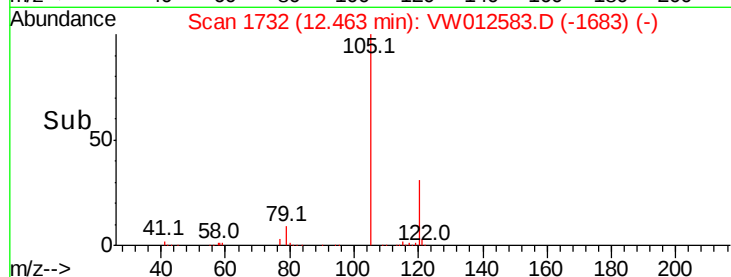
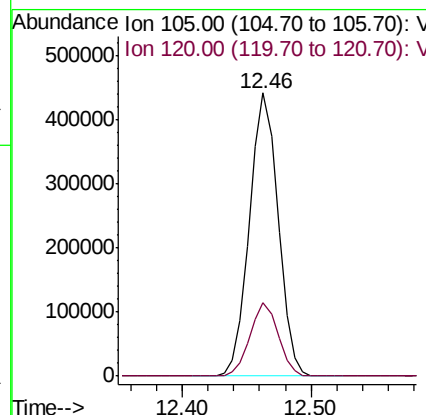
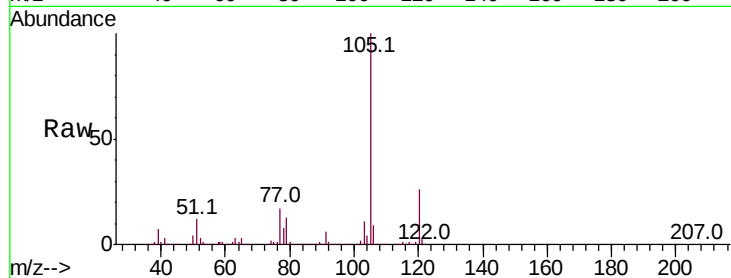
#73
Isopropylbenzene
Concen: 56.614 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.5	37.5

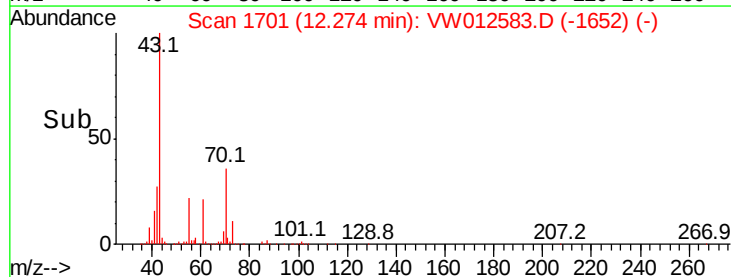
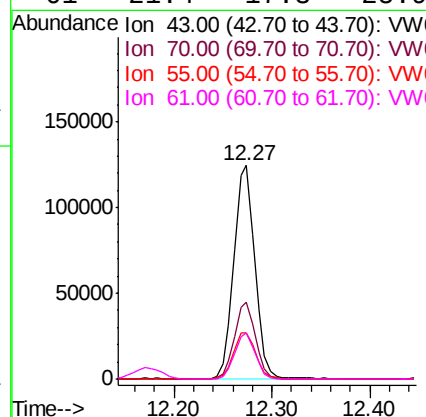
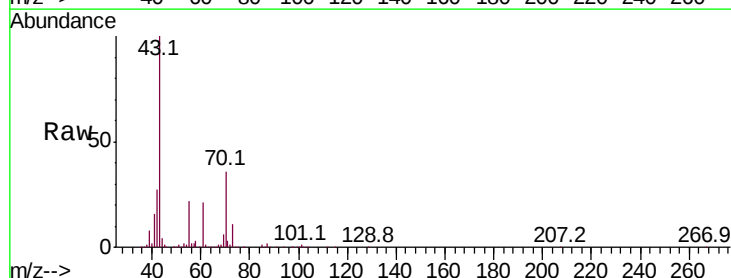
Manual Integrations
APPROVED

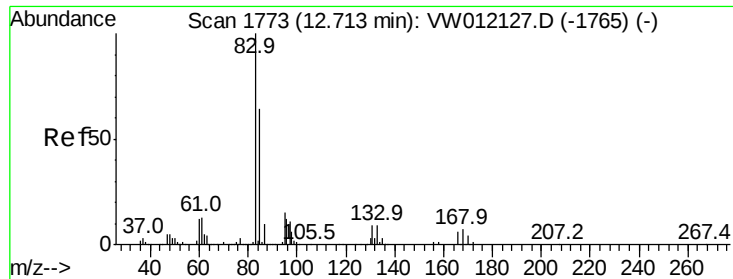
MMDadoda
9/7/2019 12:46:09 AM



#74
N-ethyl acetate
Concen: 51.486 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	28.6	43.0
55	23.1	17.8	26.6
61	21.4	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.118 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

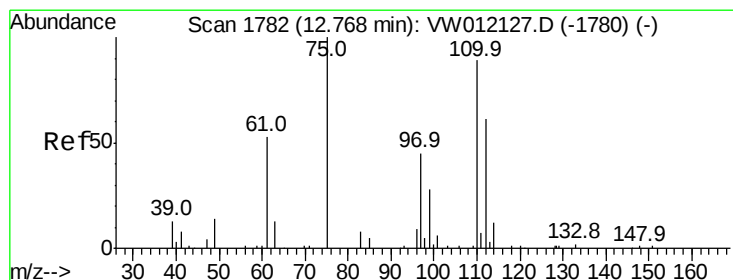
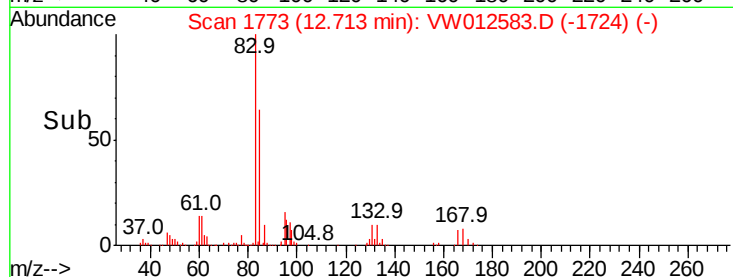
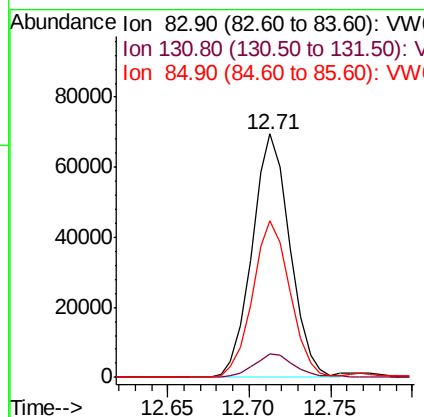
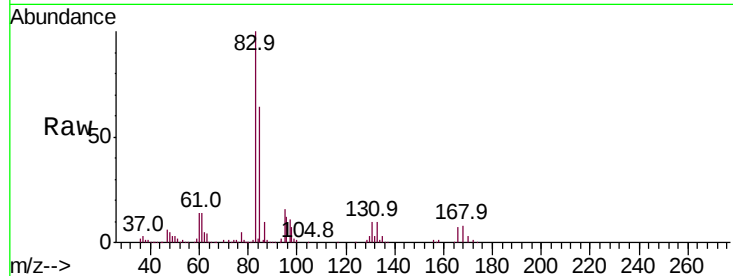
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	112050
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.6	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#76

1,2,3-Trichloropropane

Concen: 49.092 ug/l m

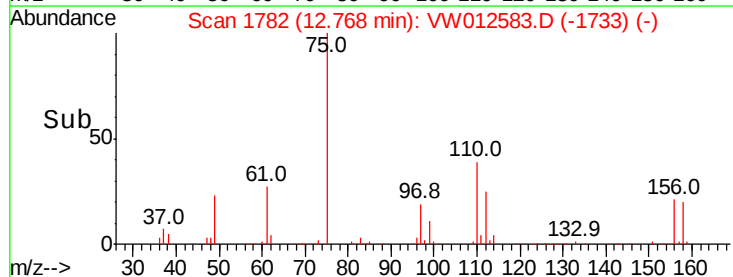
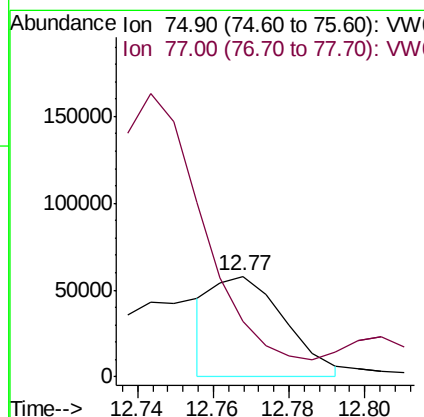
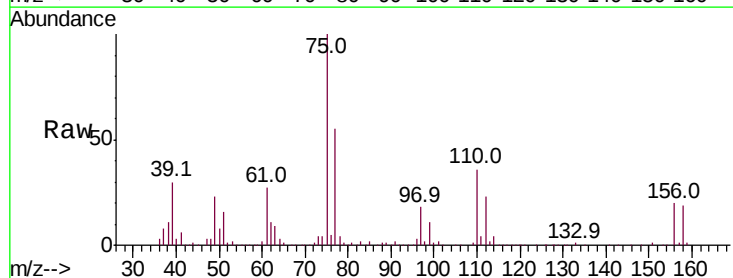
RT: 12.77 min Scan# 1782

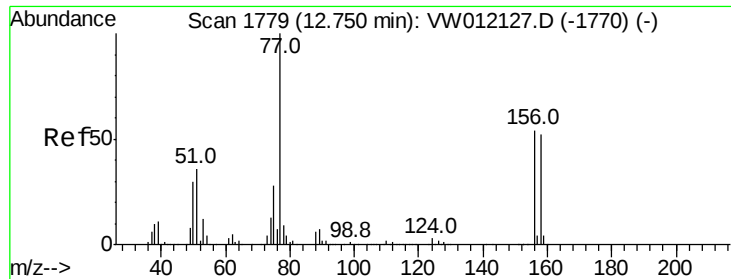
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion:	75	Resp:	76292
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.266 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

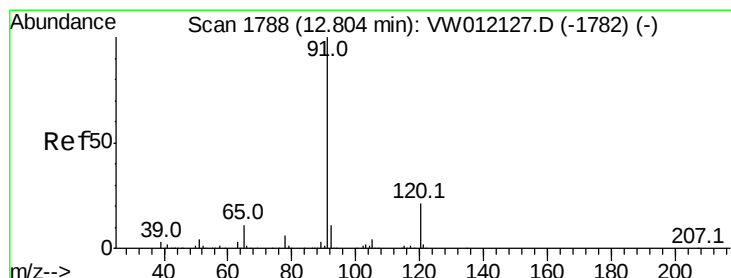
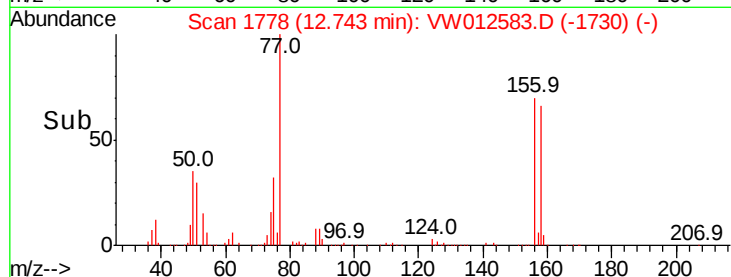
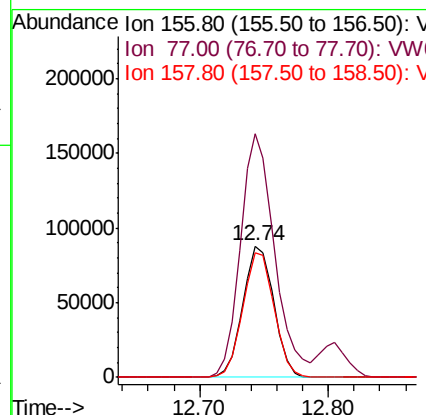
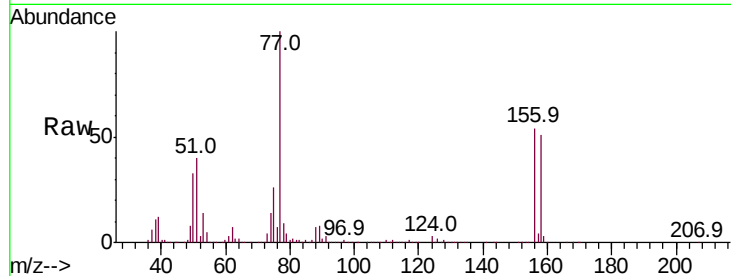
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	205.4	107.3	321.8	
158	96.1	49.0	147.0	

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#78

n-propylbenzene

Concen: 56.284 ug/l

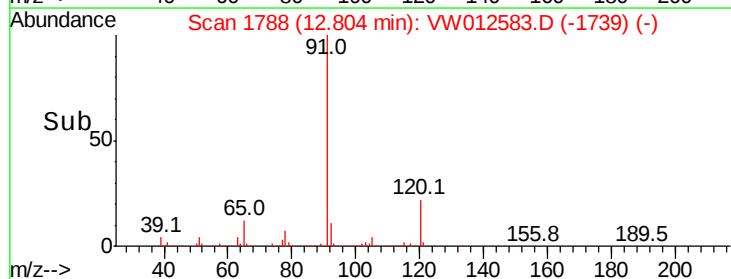
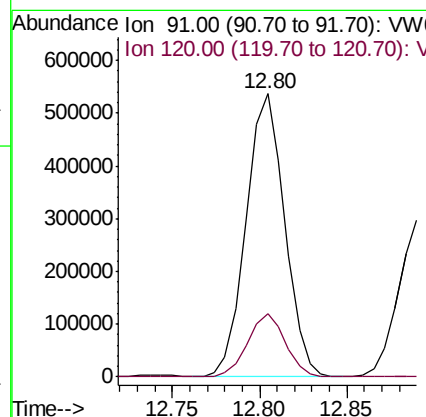
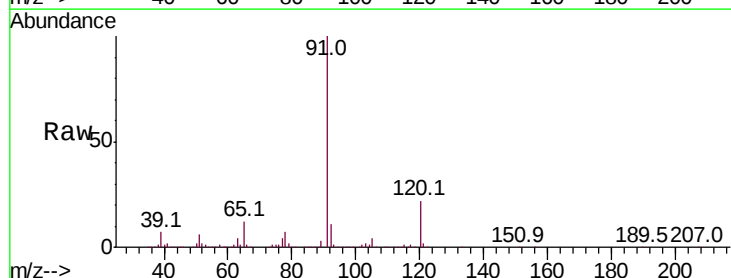
RT: 12.80 min Scan# 1788

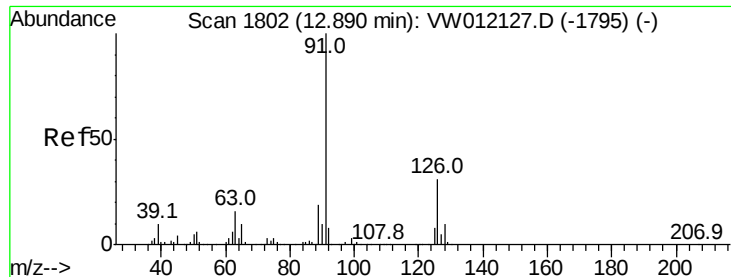
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.5	31.6	





#79

2-Chlorotoluene

Concen: 55.975 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 463866

Ion Ratio Lower Upper

91 100

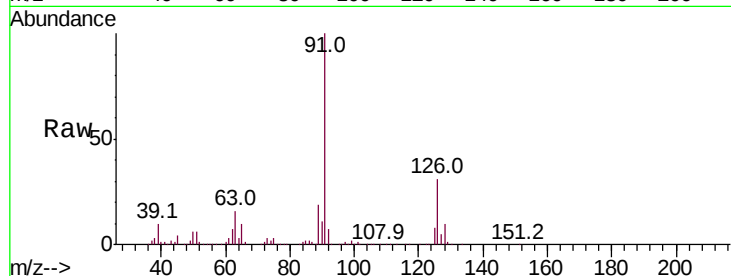
126 31.5 15.7 47.0

Manual Integrations

APPROVED

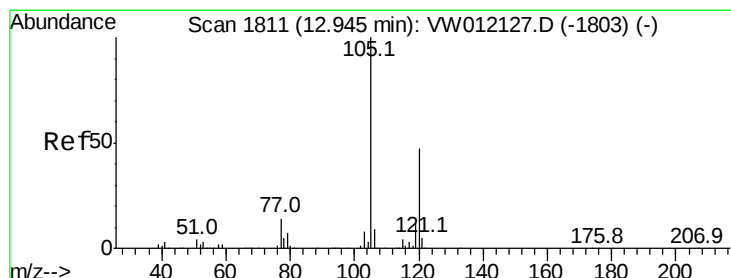
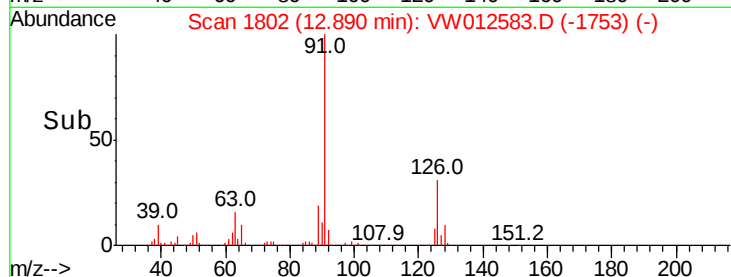
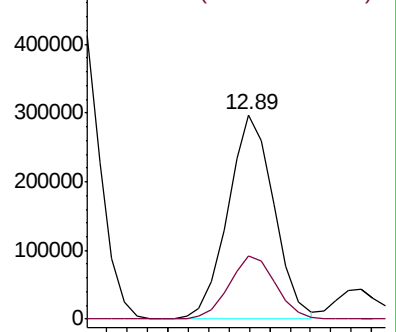
MMDadoda

9/7/2019 12:46:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.280 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012583.D

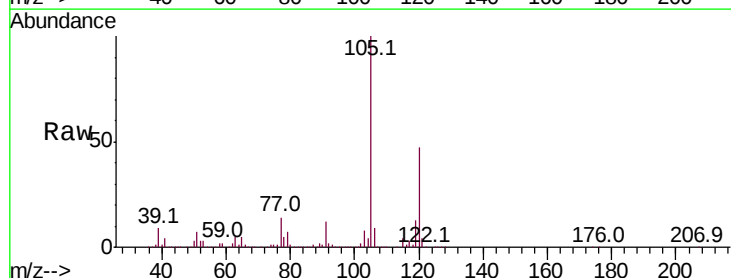
Acq: 04 Sep 2019 09:28

Tgt Ion:105 Resp: 572272

Ion Ratio Lower Upper

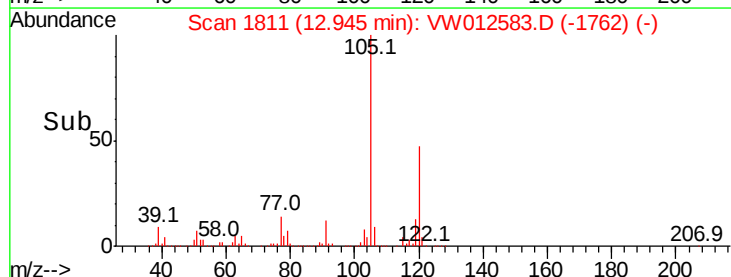
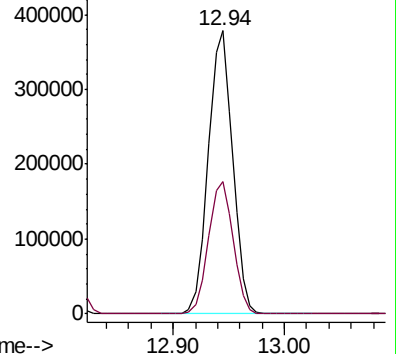
105 100

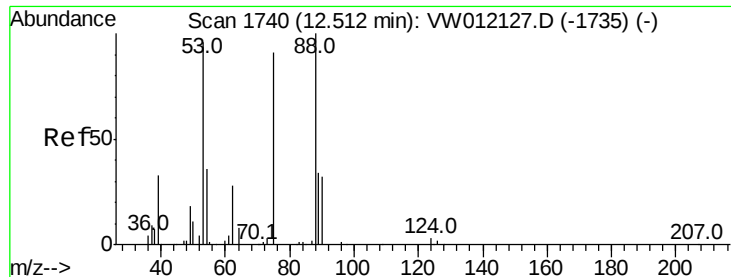
120 47.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.543 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012583.D

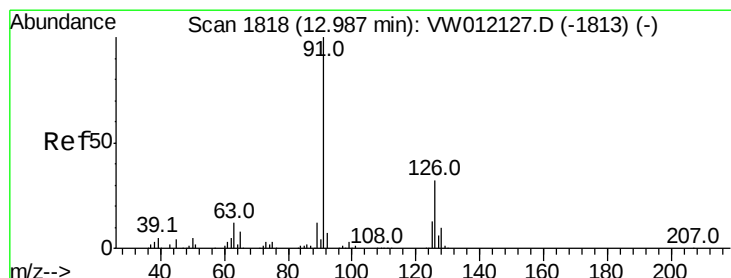
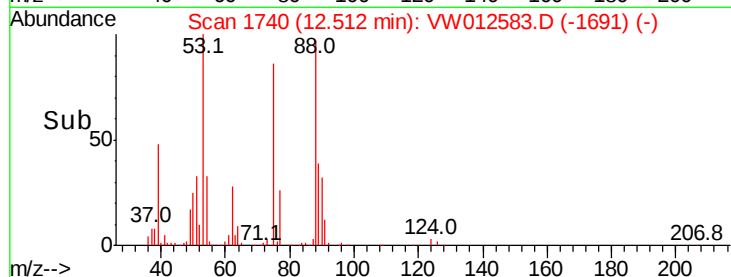
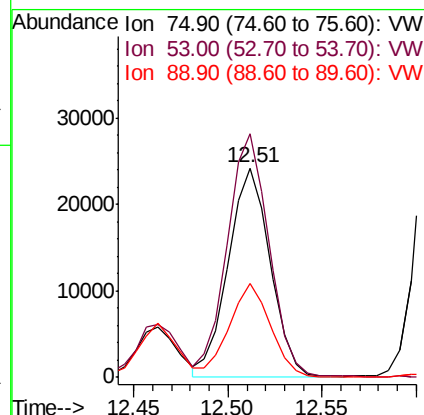
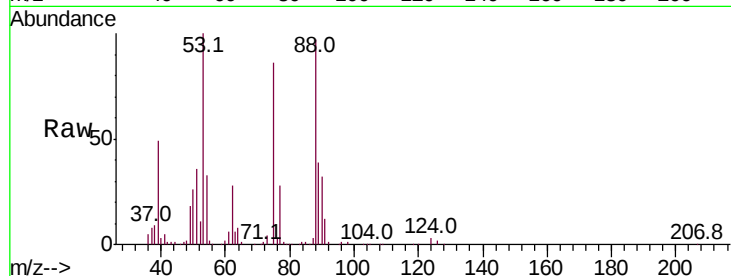
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.1	89.4	134.0
89	44.9	34.5	51.7

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#82

4-Chlorotoluene

Concen: 55.980 ug/l

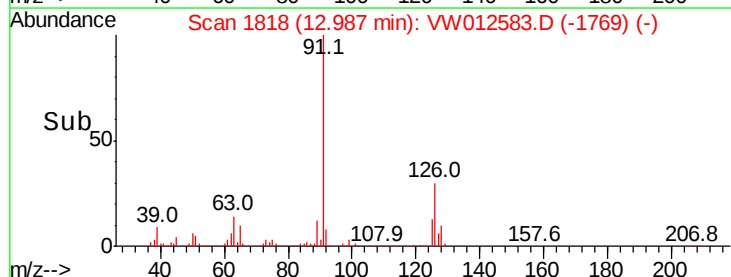
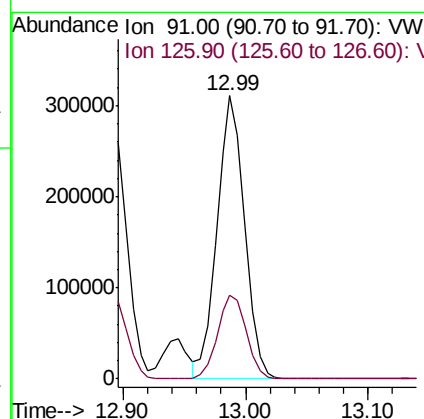
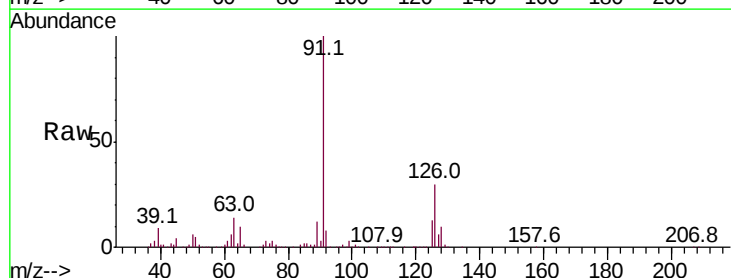
RT: 12.99 min Scan# 1818

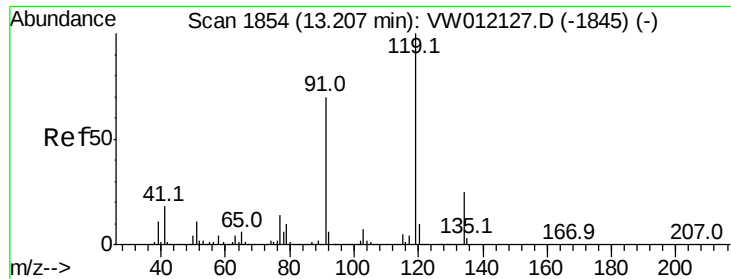
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





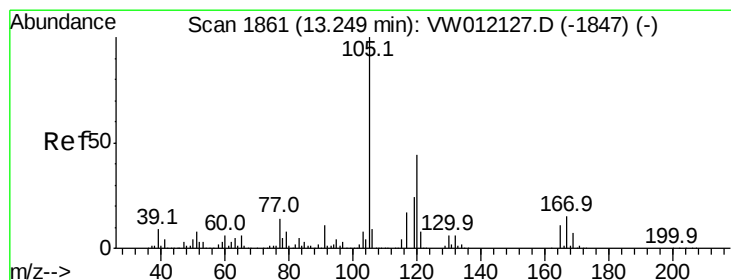
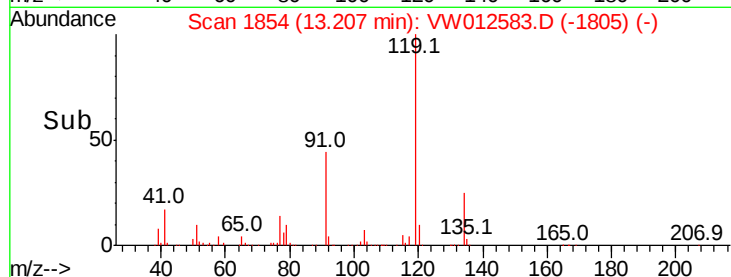
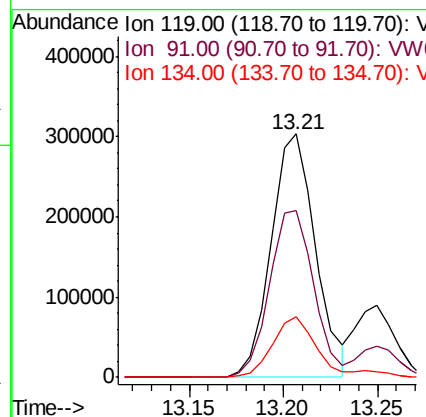
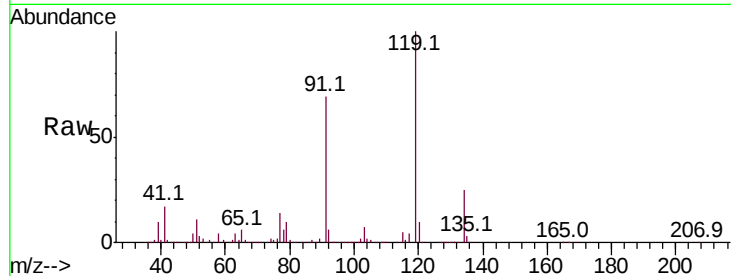
#83
 tert-Butylbenzene
 Concen: 58.429 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.8	104.3
134	25.9	13.3	39.8

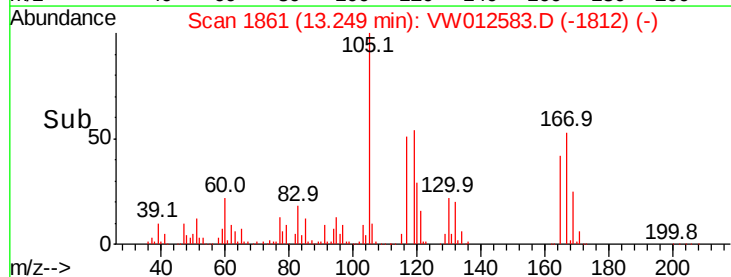
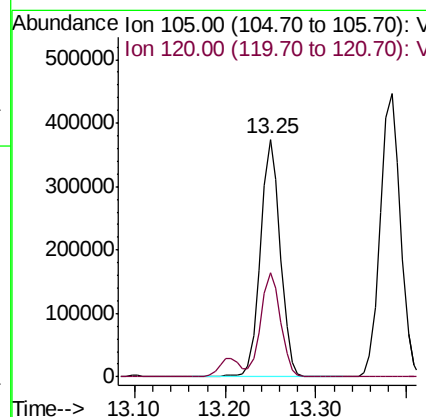
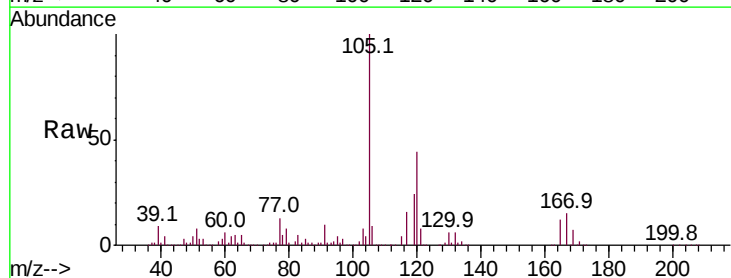
Manual Integrations
 APPROVED

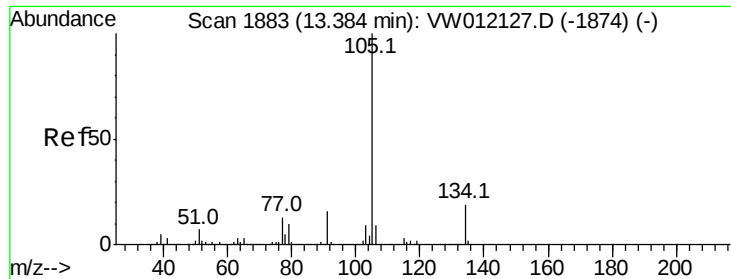
MMDadoda
 9/7/2019 12:46:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.429 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 56.604 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 686316

Ion Ratio Lower Upper

105 100

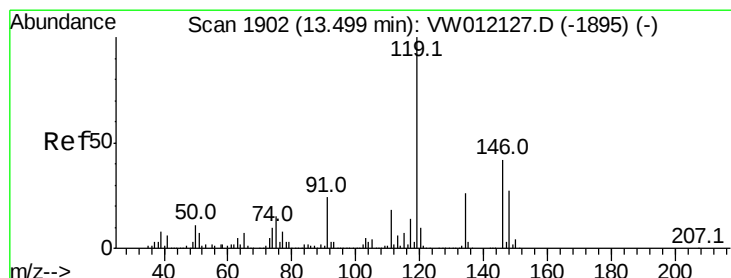
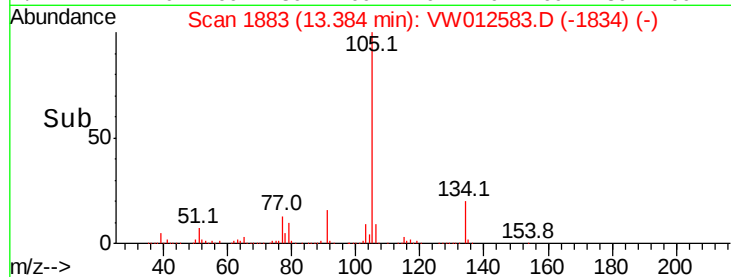
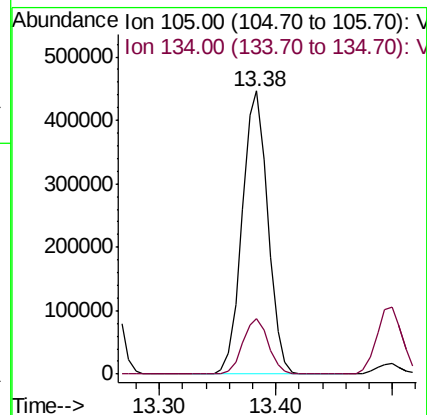
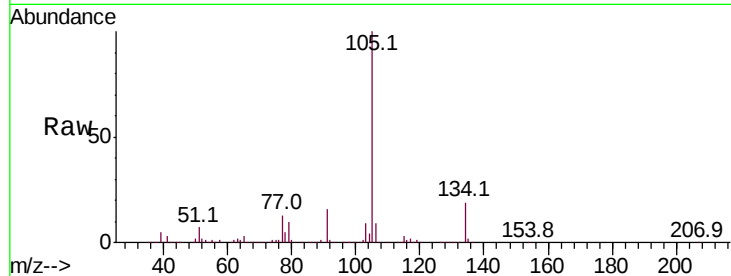
134 19.6 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

9/7/2019 12:46:09 AM



#86

p-Isopropyltoluene

Concen: 58.067 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

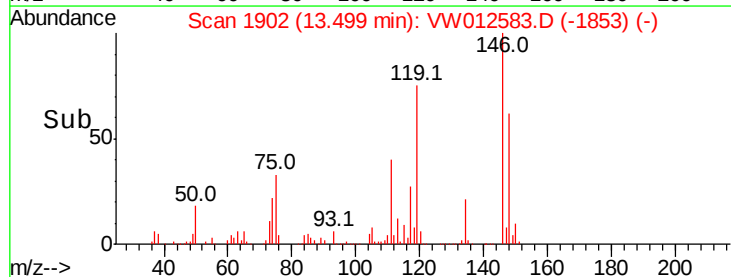
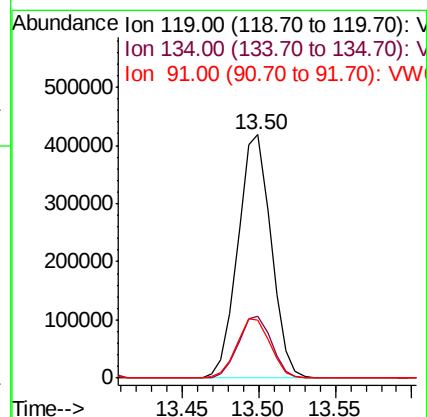
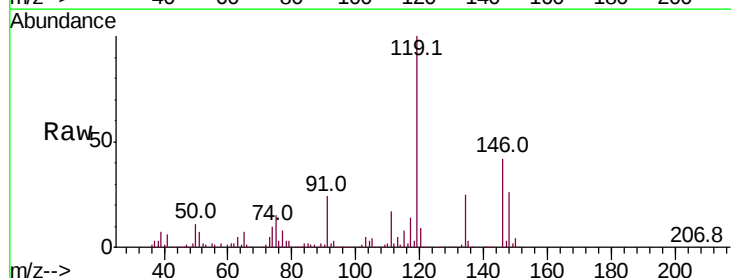
Tgt Ion:119 Resp: 628760

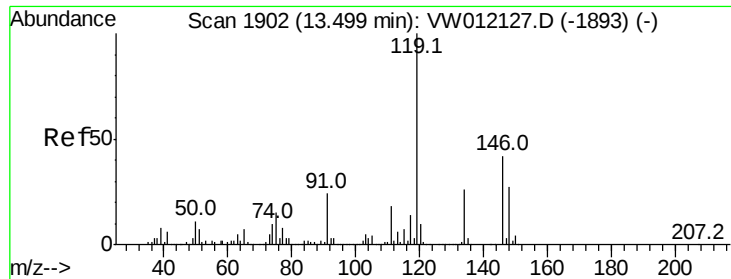
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 56.538 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

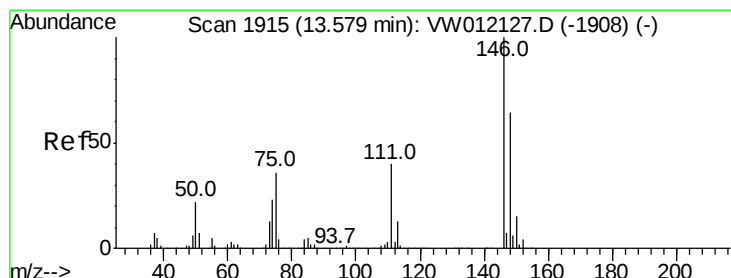
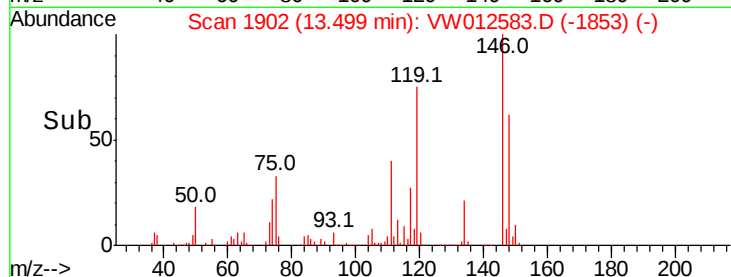
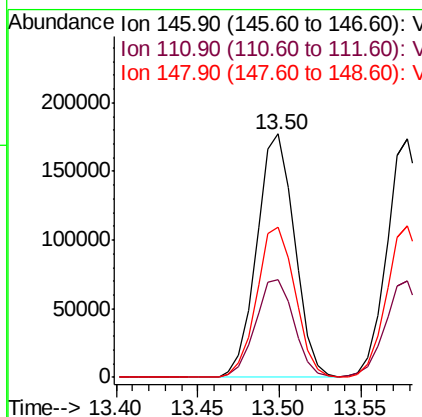
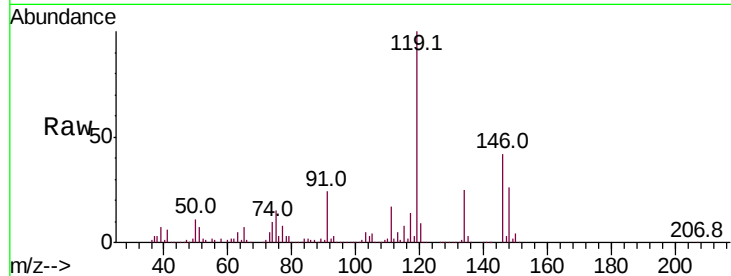
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286049		
111	41.0	20.9	62.7	
148	62.7	32.2	96.6	

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#88

1,4-Dichlorobenzene

Concen: 55.348 ug/l

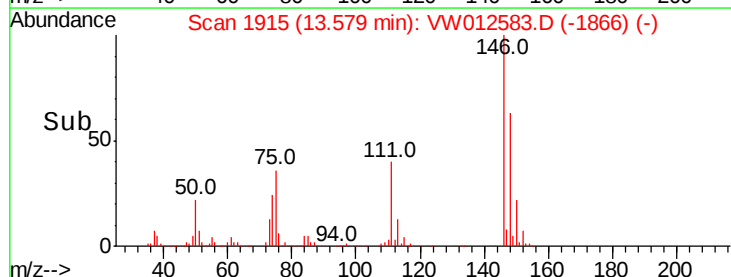
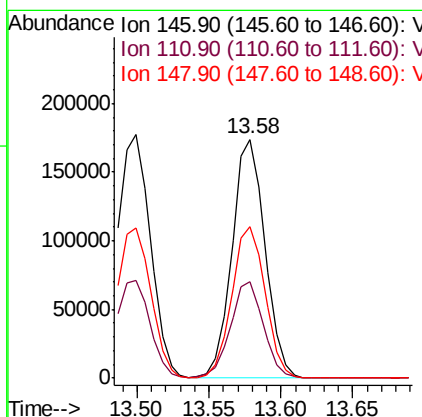
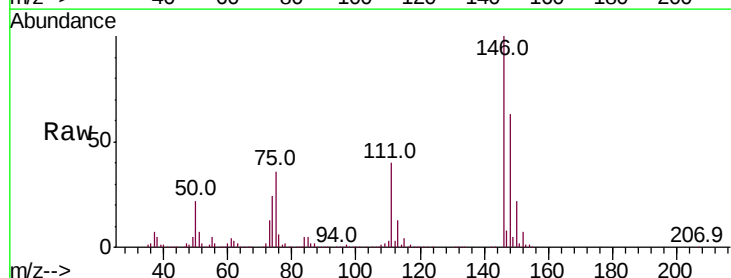
RT: 13.58 min Scan# 1915

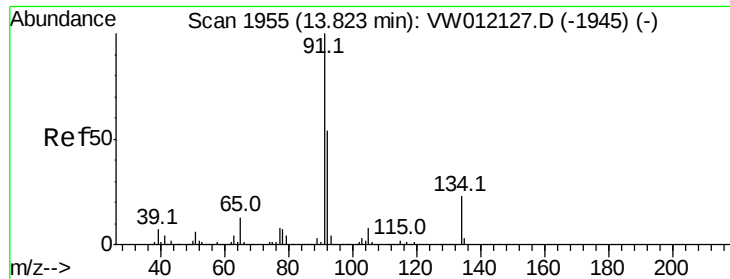
Delta R.T. -0.00 min

Lab File: VW012583.D

Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278047		
111	40.2	20.0	60.0	
148	64.3	32.1	96.3	





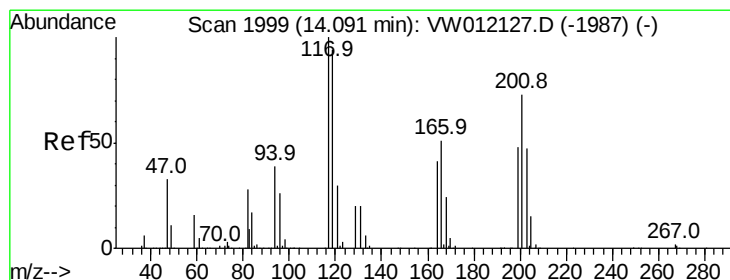
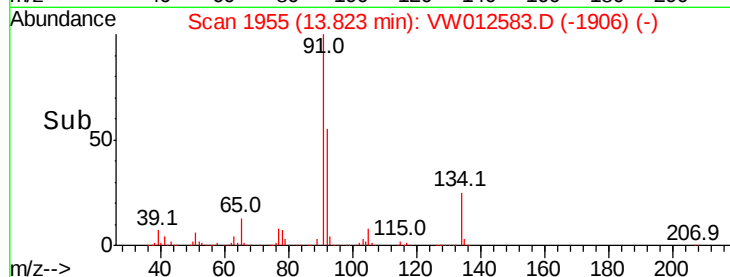
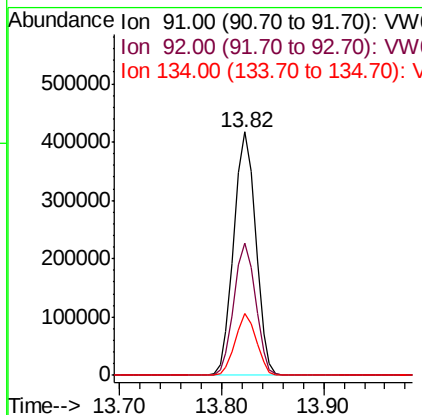
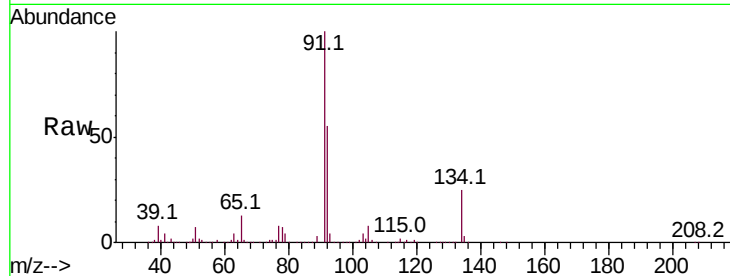
#89
n-Butylbenzene
Concen: 57.675 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	24.4	12.2	36.4

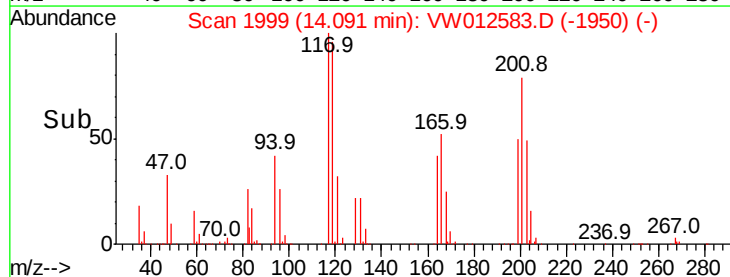
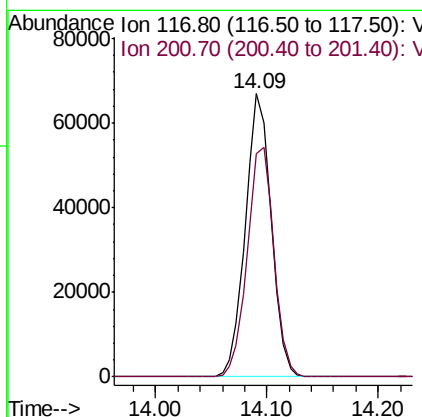
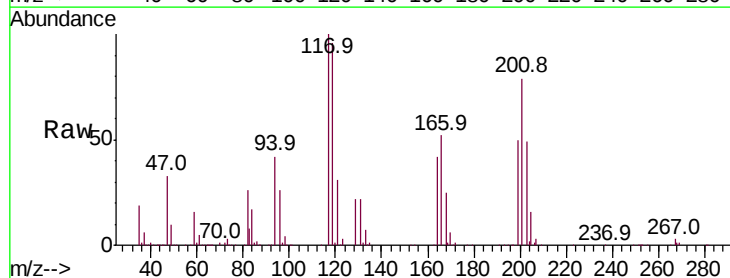
Manual Integrations
APPROVED

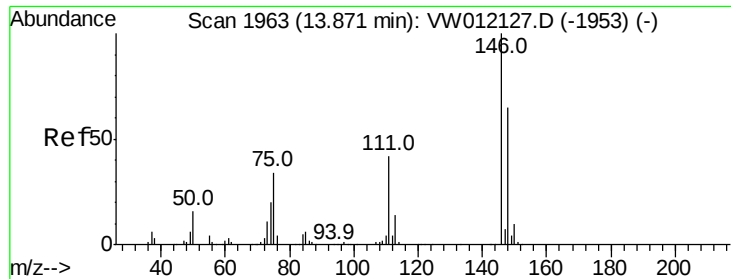
MMDadoda
9/7/2019 12:46:09 AM



#90
Hexachloroethane
Concen: 56.941 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	38.6	115.7





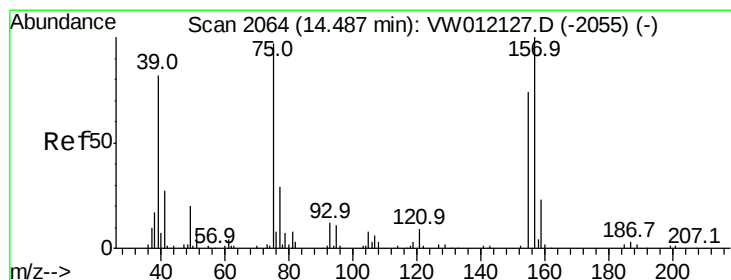
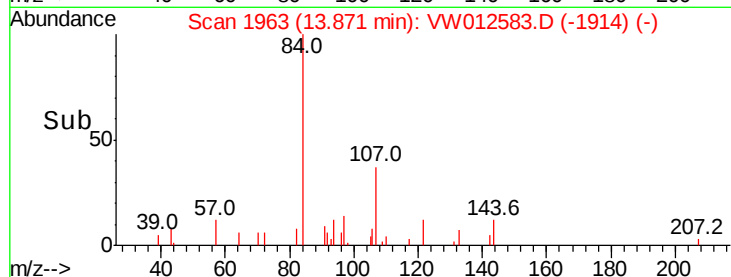
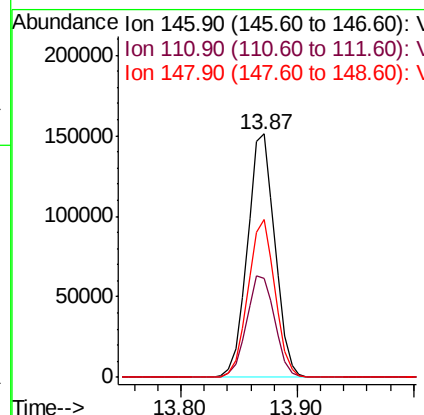
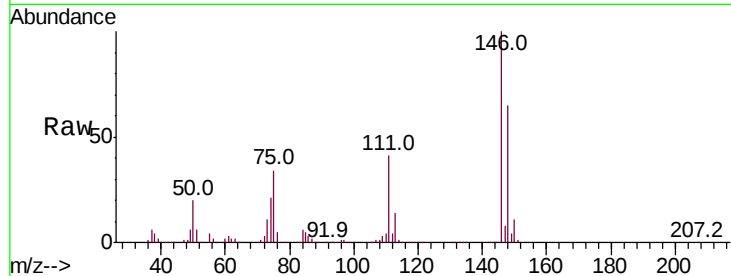
#91
 1,2-Dichlorobenzene
 Concen: 56.075 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.6	32.5	97.4

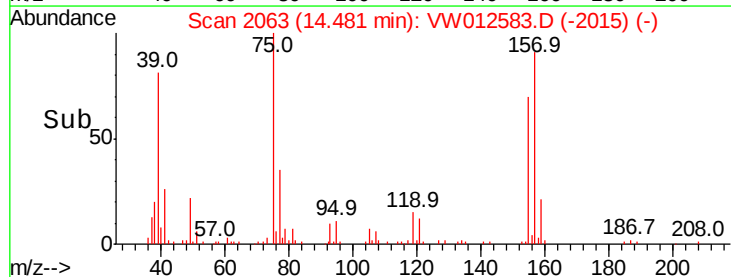
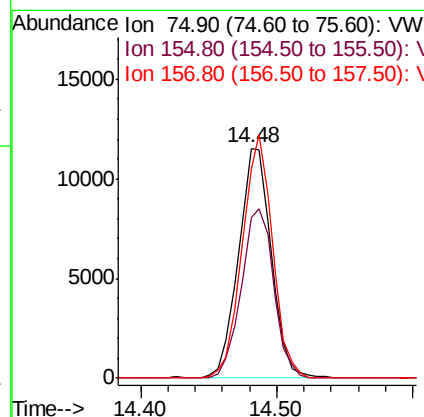
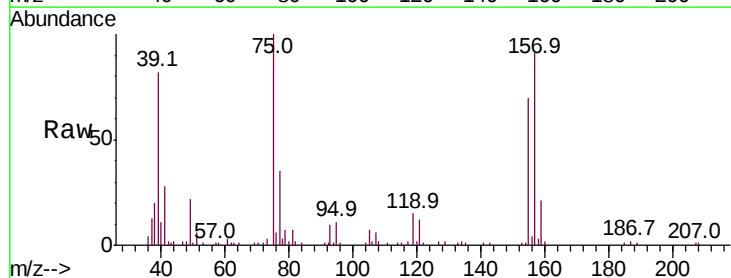
Manual Integrations
 APPROVED

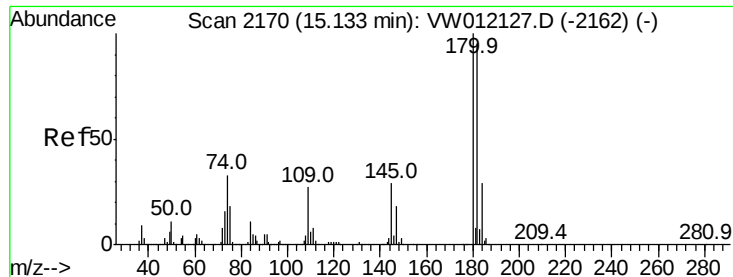
MMDadoda
 9/7/2019 12:46:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.420 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	37.5	112.3
157	97.7	50.5	151.5





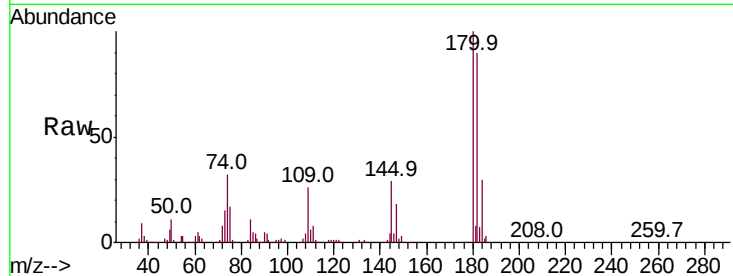
#93
 1,2,4-Trichlorobenzene
 Concen: 58.812 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

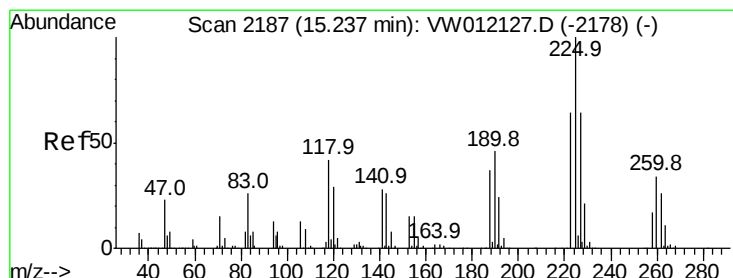
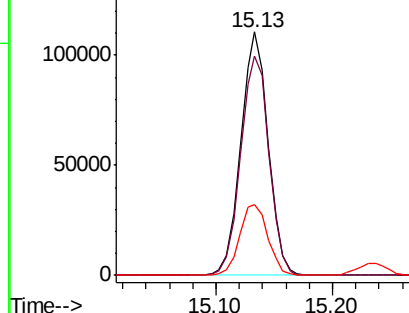
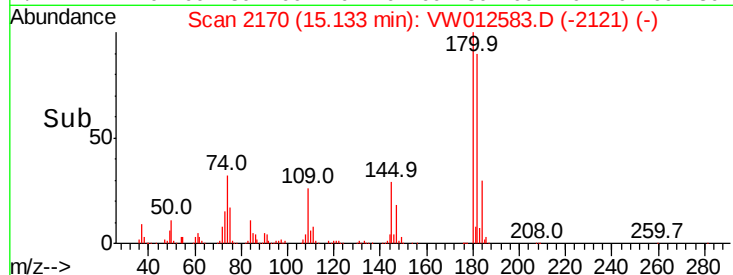
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.8	143.4	
145	30.4	15.0	45.1	

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:09 AM

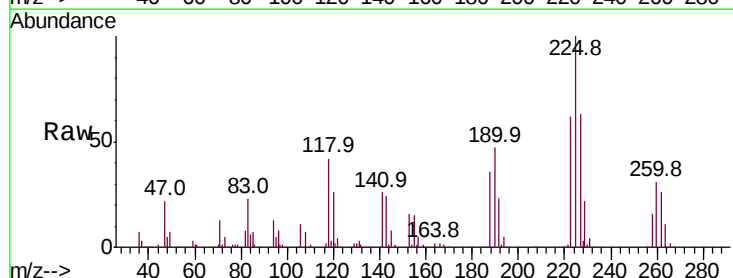


Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

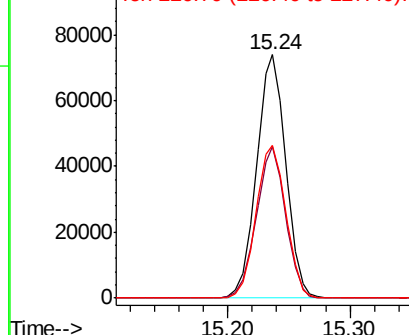
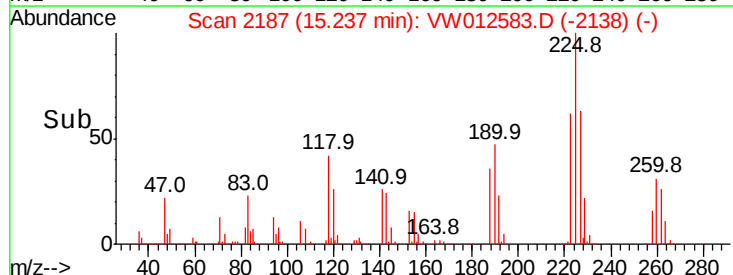


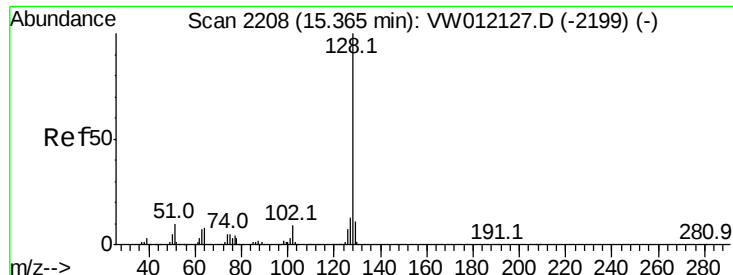
#94
 Hexachlorobutadiene
 Concen: 60.583 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012583.D
 Acq: 04 Sep 2019 09:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	32.3	96.8	
227	64.2	32.9	98.6	



Abundance Ion 224.70 (224.40 to 225.40): V
 100000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





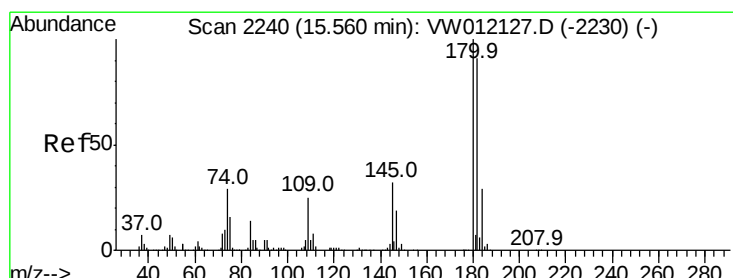
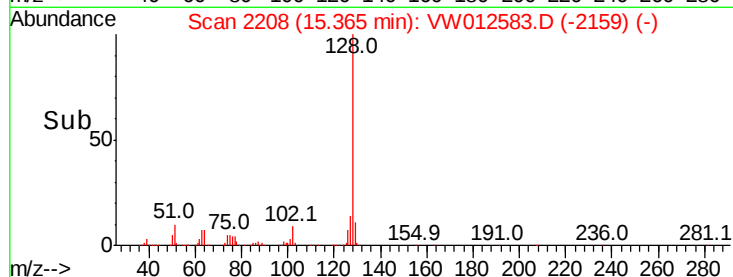
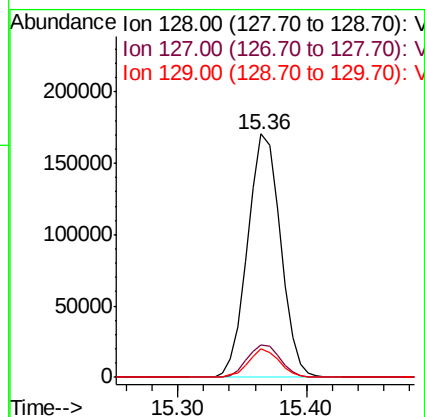
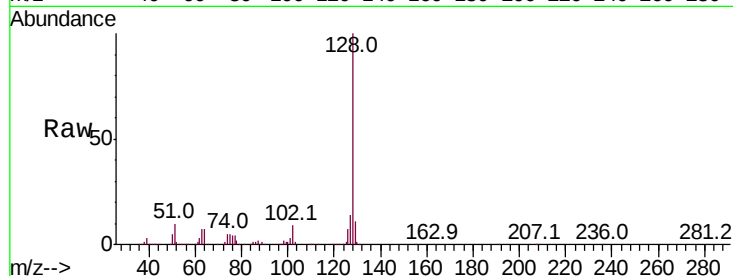
#95
Naphthalene
Concen: 50.073 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	301415
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/7/2019 12:46:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.520 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012583.D
Acq: 04 Sep 2019 09:28

Tgt Ion:	180	Resp:	153929
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.1	141.3
145	31.3	16.2	48.5

