

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013665.D
 Acq On : 23 Oct 2019 13:08
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:52 PM

Quant Time: Oct 23 14:10:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	254426	99.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.94%	
35) Dibromofluoromethane	7.88	113	267364	101.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.96%	
50) Toluene-d8	10.32	98	1107132	100.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.46%	
62) 4-Bromofluorobenzene	12.62	95	368190	99.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	166606	144.843	ug/l	99
3) Chloromethane	2.21	50	178026	95.078	ug/l	96
4) Vinyl Chloride	2.37	62	274194	98.148	ug/l	97
5) Bromomethane	2.78	94	180355	106.779	ug/l	97
6) Chloroethane	2.92	64	170142	106.685	ug/l	99
7) Trichlorofluoromethane	3.26	101	173533	126.461	ug/l	97
8) Diethyl Ether	3.68	74	142651	102.873	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	274622	99.685	ug/l	99
10) Methyl Iodide	4.28	142	467025	106.352	ug/l	100
11) Tert butyl alcohol	5.21	59	70600	343.177	ug/l	97
12) 1,1-Dichloroethene	4.04	96	292967	102.423	ug/l	97
13) Acrolein	3.90	56	90277	458.873	ug/l	100
14) Allyl chloride	4.67	41	456855	103.877	ug/l	100
15) Acrylonitrile	5.37	53	290555	457.798	ug/l	98
16) Acetone	4.13	43	279958	481.140	ug/l	95
17) Carbon Disulfide	4.38	76	863748	107.201	ug/l	100
18) Methyl Acetate	4.67	43	138977	83.757	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	349434	83.562	ug/l	97
20) Methylene Chloride	4.92	84	293862	90.278	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	315588	103.516	ug/l	94
22) Diisopropyl ether	6.31	45	835276	101.621	ug/l	96
23) Vinyl Acetate	6.25	43	2486118	506.462	ug/l	100
24) 1,1-Dichloroethane	6.21	63	524209	103.652	ug/l	99
25) 2-Butanone	7.17	43	387123	453.457	ug/l	96
26) 2,2-Dichloropropane	7.16	77	279225	87.594	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	339052	104.946	ug/l	99
28) Bromochloromethane	7.51	49	196491	108.848	ug/l	98
29) Tetrahydrofuran	7.53	42	233034	447.135	ug/l	100
30) Chloroform	7.68	83	510646	104.511	ug/l	99
31) Cyclohexane	7.95	56	515957	96.795	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	406349	102.803	ug/l	99
36) 1,1-Dichloropropene	8.08	75	429531	101.245	ug/l	99
37) Ethyl Acetate	7.25	43	162015	86.347	ug/l	99
38) Carbon Tetrachloride	8.07	117	392626	104.613	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013665.D
 Acq On : 23 Oct 2019 13:08
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:52 PM

Quant Time: Oct 23 14:10:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	566657	103.030	ug/l	99
40) Benzene	8.32	78	1226632	103.346	ug/l	99
41) Methacrylonitrile	7.48	41	110321	102.798	ug/l	92
42) 1,2-Dichloroethane	8.40	62	310034	103.293	ug/l	100
43) Isopropyl Acetate	8.42	43	319950	93.521	ug/l	100
44) Trichloroethene	9.09	130	352352	104.033	ug/l	98
45) 1,2-Dichloropropane	9.37	63	299963	105.178	ug/l	100
46) Dibromomethane	9.46	93	143462	101.302	ug/l	99
47) Bromodichloromethane	9.64	83	381243	107.756	ug/l	99
48) Methyl methacrylate	9.43	41	164752	97.194	ug/l	99
49) 1,4-Dioxane	9.46	88	40167	1666.568	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	793570	444.367	ug/l	100
52) Toluene	10.38	92	792623	103.627	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	394856	107.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	480600	107.874	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	212934	100.463	ug/l	99
56) Ethyl methacrylate	10.65	69	284717	101.011	ug/l	99
57) 1,3-Dichloropropane	10.93	76	366334	100.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	656751	495.521	ug/l	99
59) 2-Hexanone	10.97	43	569101	465.835	ug/l	99
60) Dibromochloromethane	11.13	129	263106	107.857	ug/l	99
61) 1,2-Dibromoethane	11.23	107	204655	101.447	ug/l	100
64) Tetrachloroethene	10.86	164	306781	101.825	ug/l	98
65) Chlorobenzene	11.66	112	823571	101.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	296965	104.973	ug/l	98
67) Ethyl Benzene	11.73	91	1496657	100.690	ug/l	99
68) m/p-Xylenes	11.84	106	1151796	203.698	ug/l	99
69) o-Xylene	12.16	106	539798	103.136	ug/l	97
70) Styrene	12.18	104	937991	104.440	ug/l	100
71) Bromoform	12.35	173	154802	100.595	ug/l #	98
73) Isopropylbenzene	12.46	105	1492147	101.518	ug/l	99
74) N-amyl acetate	12.27	43	289916	91.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	225834	91.230	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	141115m	83.873	ug/l	
77) Bromobenzene	12.74	156	349592	100.019	ug/l	99
78) n-propylbenzene	12.80	91	1696749	99.785	ug/l	100
79) 2-Chlorotoluene	12.89	91	957289	100.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1224277	99.761	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	81089	98.217	ug/l	97
82) 4-Chlorotoluene	12.99	91	994735	100.187	ug/l	98
83) tert-Butylbenzene	13.21	119	1100346	100.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1221311	100.623	ug/l	99
85) sec-Butylbenzene	13.38	105	1498102	99.871	ug/l	99
86) p-Isopropyltoluene	13.50	119	1397768	101.165	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	676342	101.789	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	655541	100.669	ug/l	99
89) n-Butylbenzene	13.82	91	1275315	102.219	ug/l	99
90) Hexachloroethane	14.09	117	248284	104.321	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	579436	99.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	34112	86.980	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013665.D
Acq On : 23 Oct 2019 13:08
Operator : SY/VA
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM

Quant Time: Oct 23 14:10:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 13:51:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	447057	107.612	ug/l	100
94) Hexachlorobutadiene	15.24	225	290413	105.233	ug/l	99
95) Naphthalene	15.36	128	727525	102.386	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	386616	106.366	ug/l	100

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

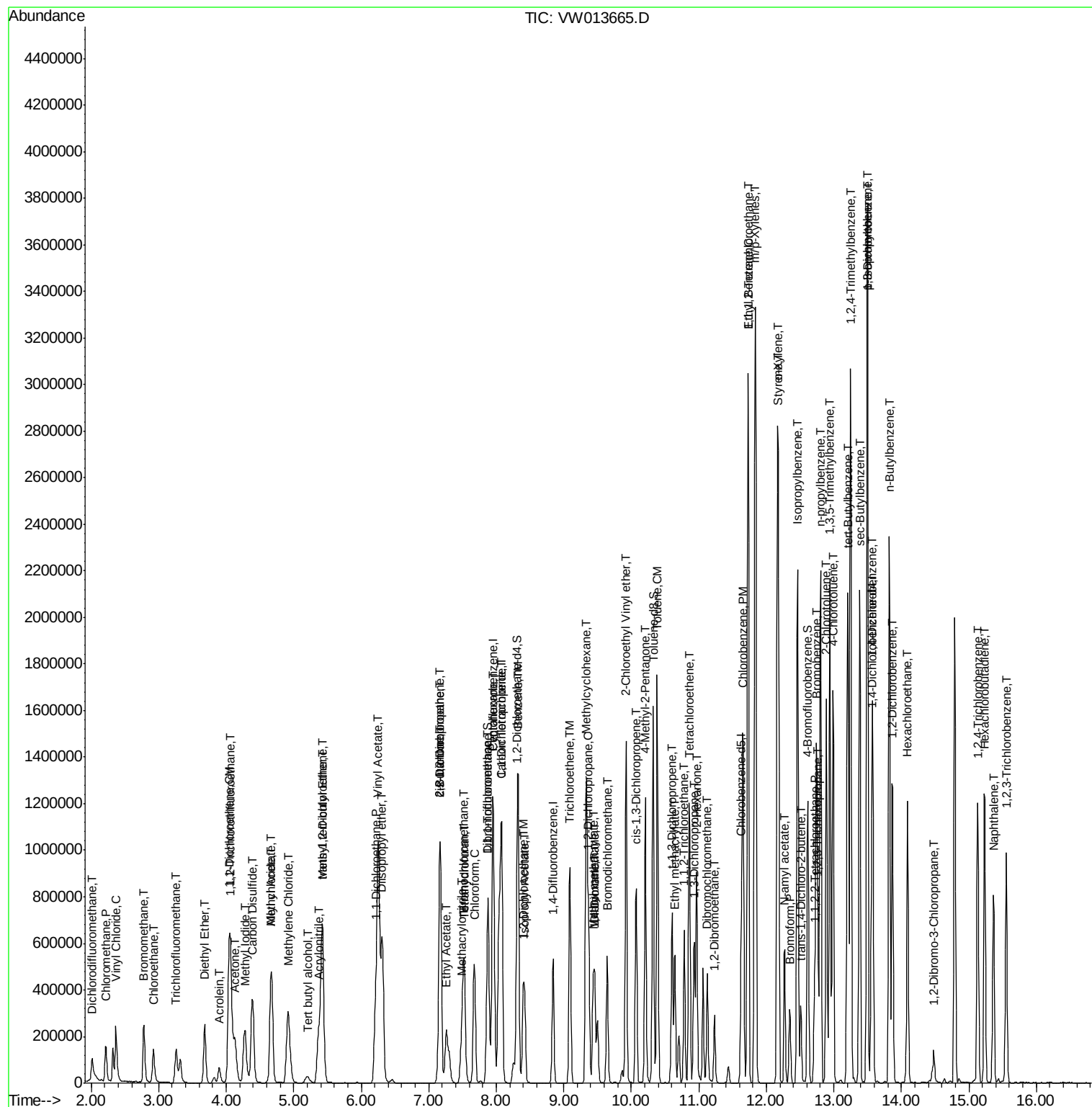
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013665.D
 Acq On : 23 Oct 2019 13:08
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

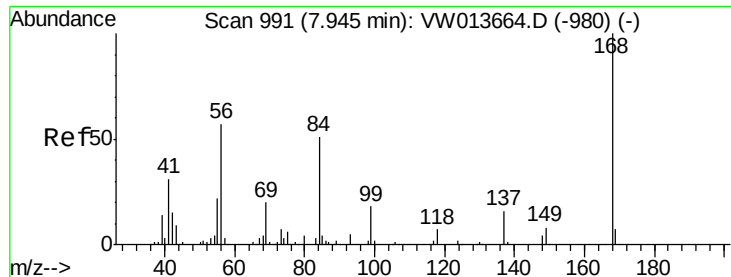
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:26:52 PM

Quant Time: Oct 23 14:10:35 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 327724

Ion Ratio Lower Upper

168 100

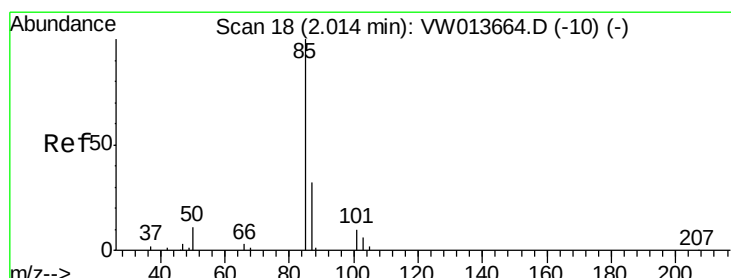
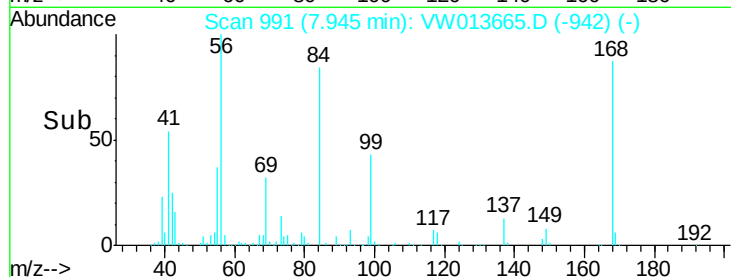
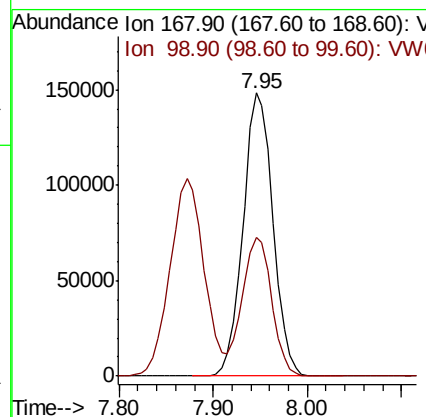
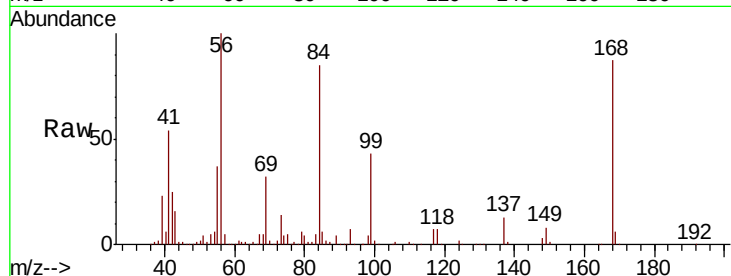
99 49.0 39.0 58.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#2

Dichlorodifluoromethane

Concen: 144.843 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013665.D

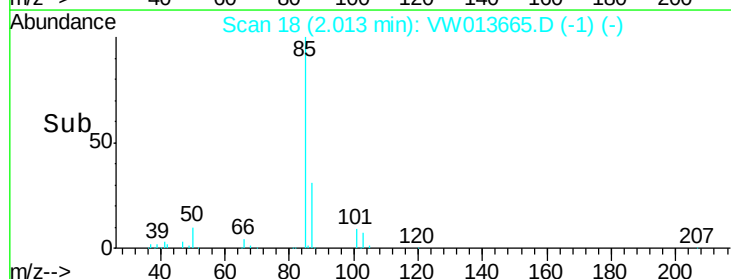
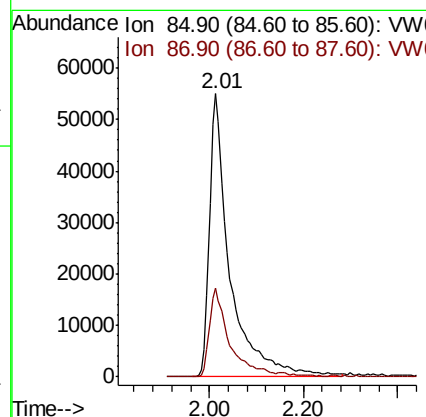
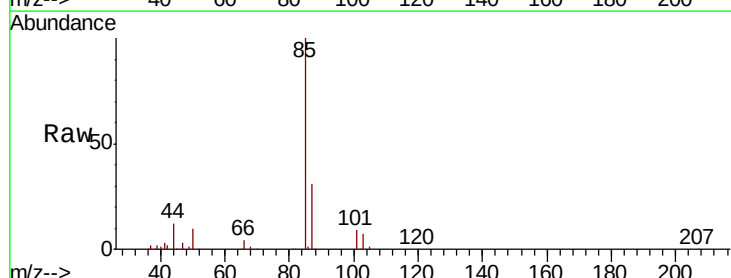
Acq: 23 Oct 2019 13:08

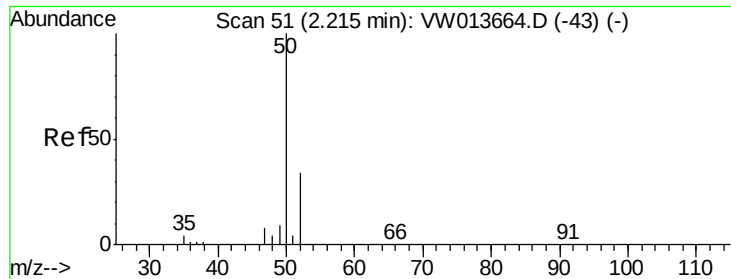
Tgt Ion: 85 Resp: 166606

Ion Ratio Lower Upper

85 100

87 31.4 16.0 48.0





#3

Chloromethane

Concen: 95.078 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 178026

Ion Ratio Lower Upper

50 100

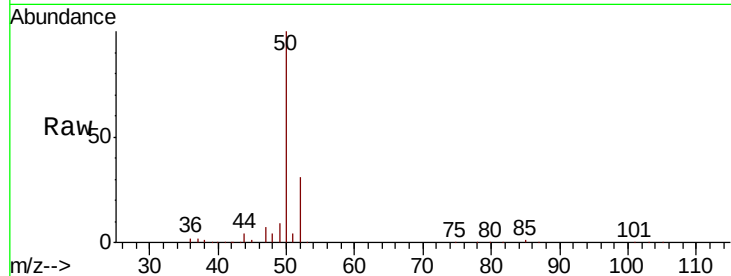
52 31.4 26.9 40.3

Manual Integrations

APPROVED

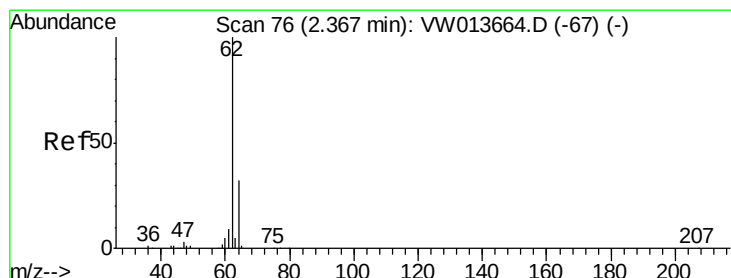
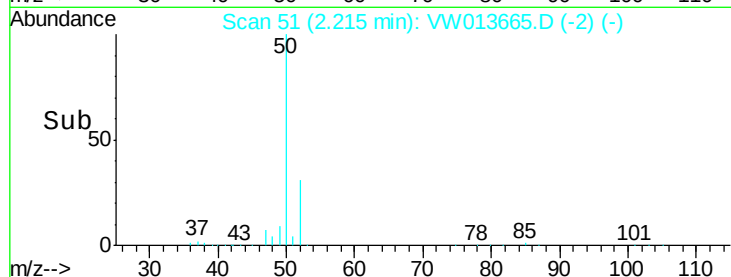
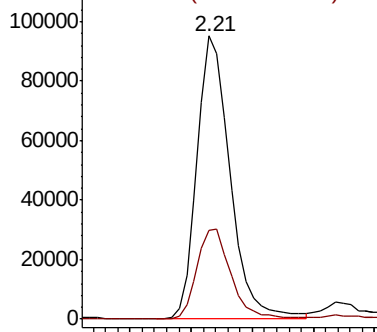
MMDadoda

10/24/2019 1:26:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 98.148 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013665.D

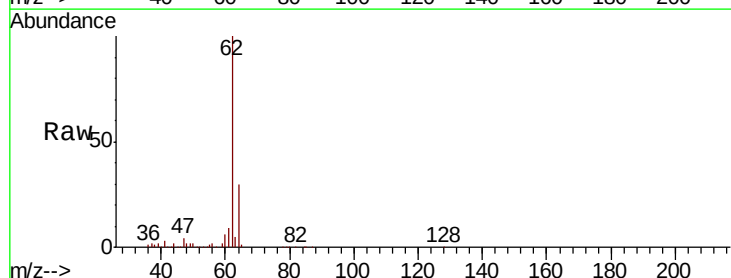
Acq: 23 Oct 2019 13:08

Tgt Ion: 62 Resp: 274194

Ion Ratio Lower Upper

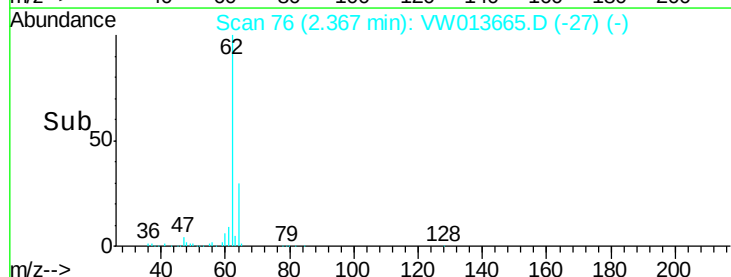
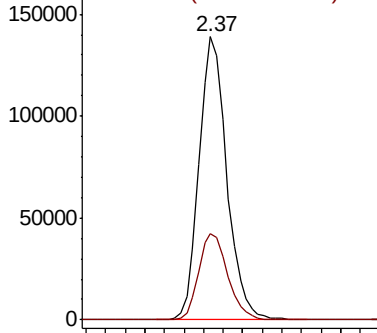
62 100

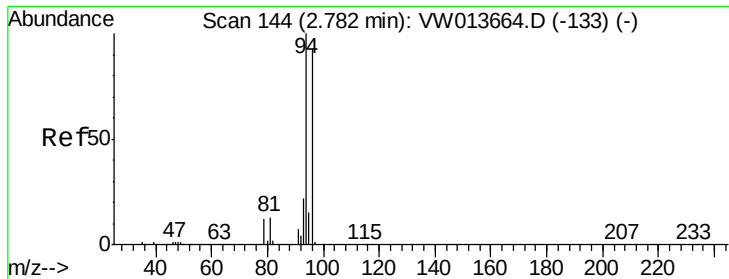
64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 106.779 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 180355

Ion Ratio Lower Upper

94 100

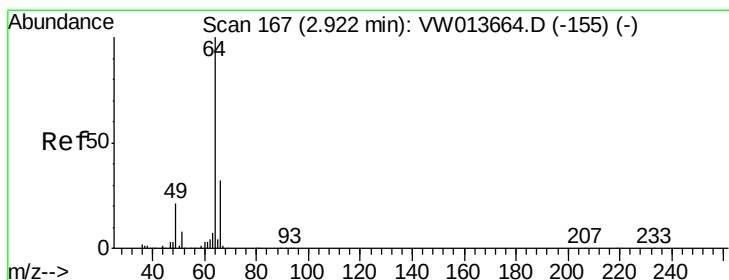
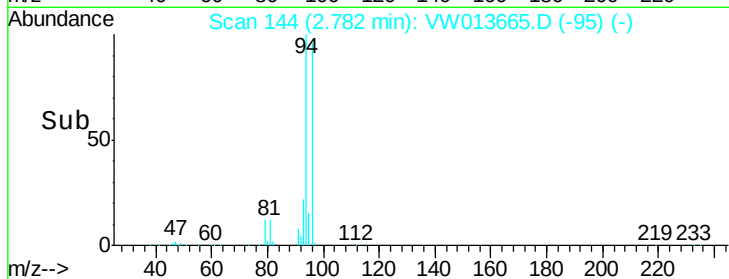
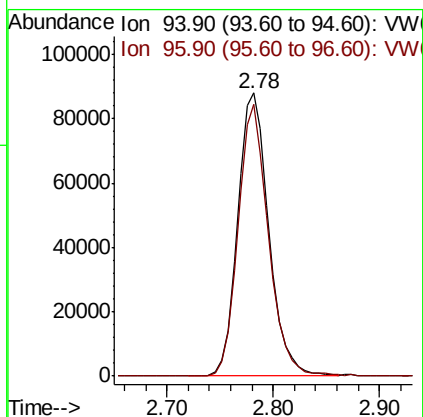
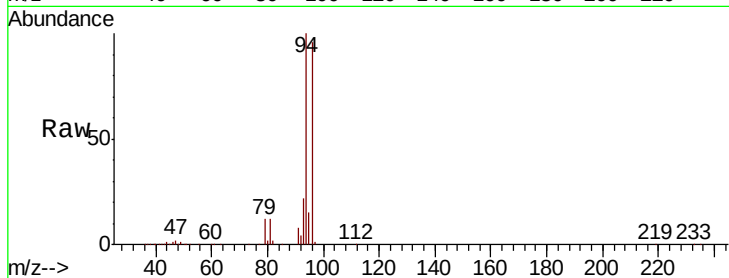
96 96.0 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#6

Chloroethane

Concen: 106.685 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013665.D

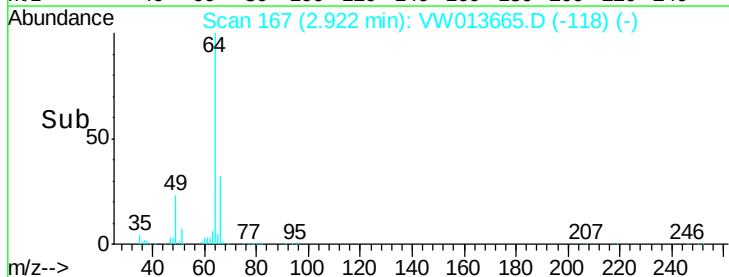
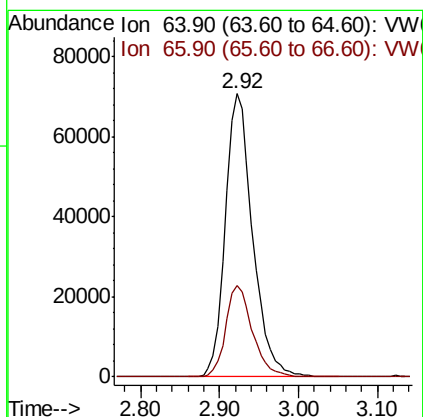
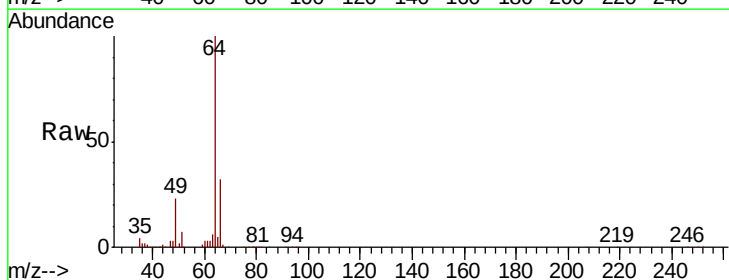
Acq: 23 Oct 2019 13:08

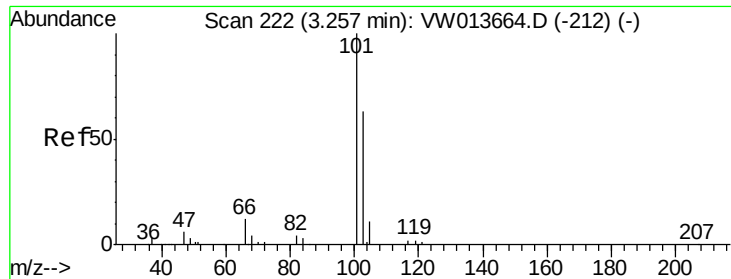
Tgt Ion: 64 Resp: 170142

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.0





#7

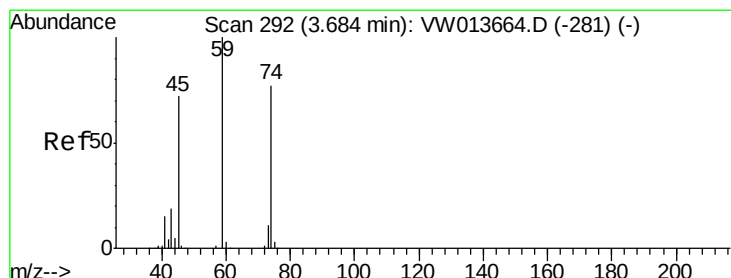
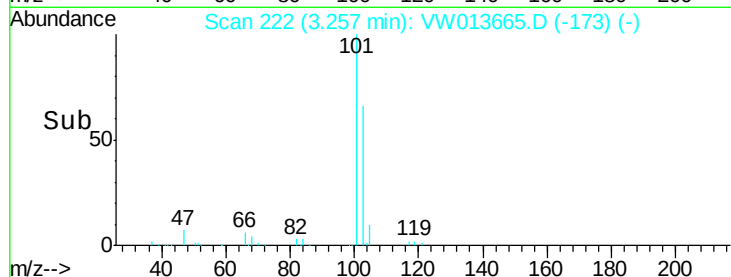
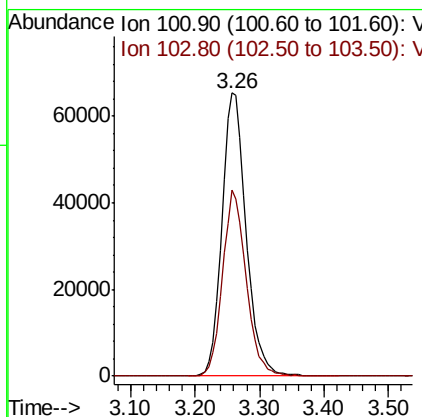
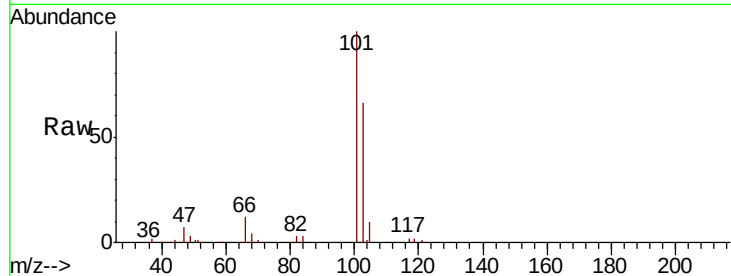
Trichlorofluoromethane
Concen: 126.461 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	173533		
103	65.9	50.6	76.0	

Manual Integrations
APPROVED

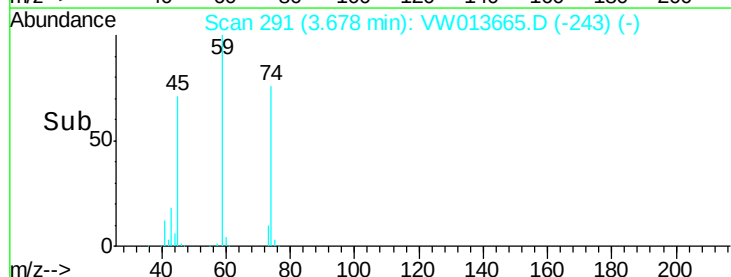
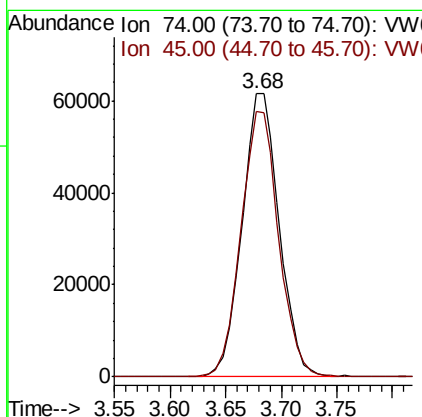
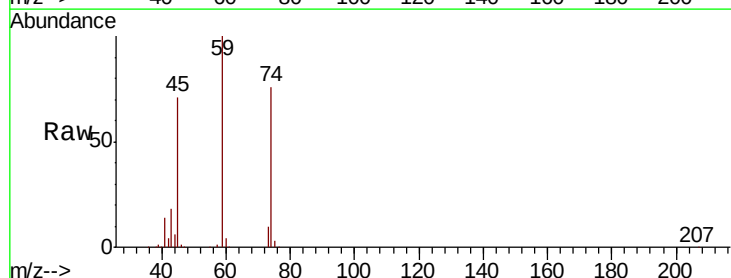
MMDadoda
10/24/2019 1:26:52 PM

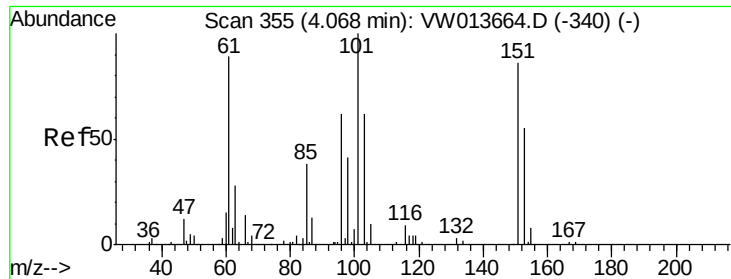


#8

Diethyl Ether
Concen: 102.873 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	142651		
45	95.2	47.9	143.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.685 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

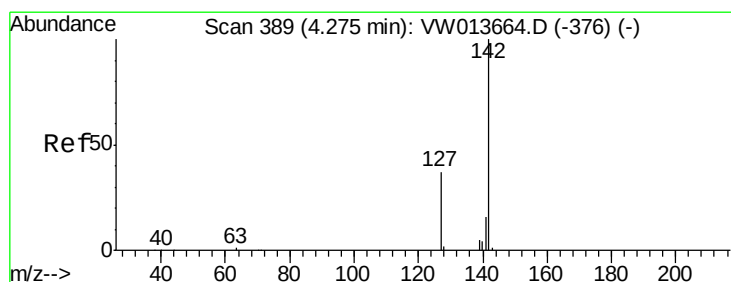
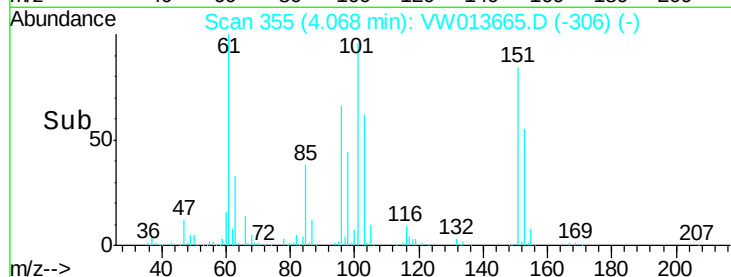
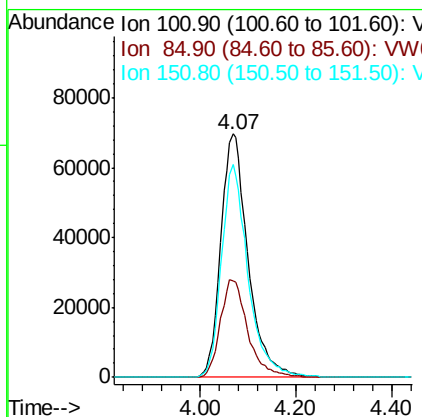
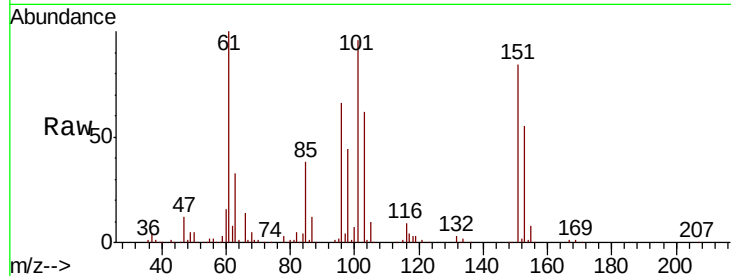
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	274622
Ion Ratio	Lower	Upper	
101	100		
85	40.4	31.0	46.6
151	85.2	68.2	102.4

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#10

Methyl Iodide

Concen: 106.352 ug/l

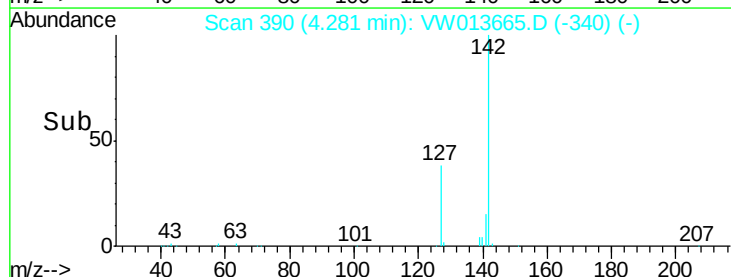
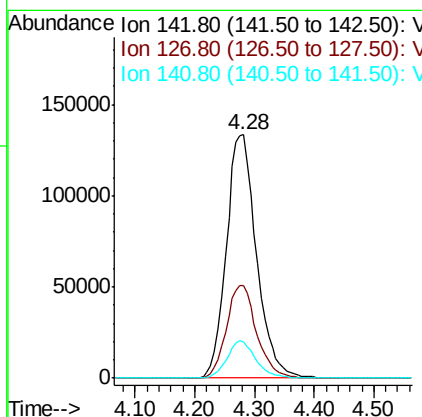
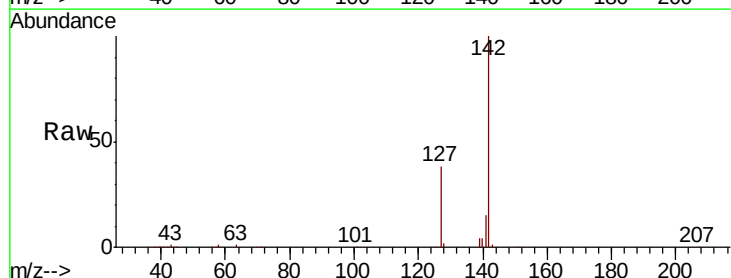
RT: 4.28 min Scan# 390

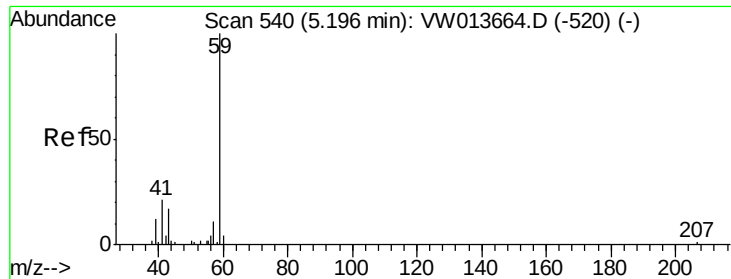
Delta R.T. 0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	142	Resp:	467025
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.3	45.5
141	14.8	11.8	17.8





#11

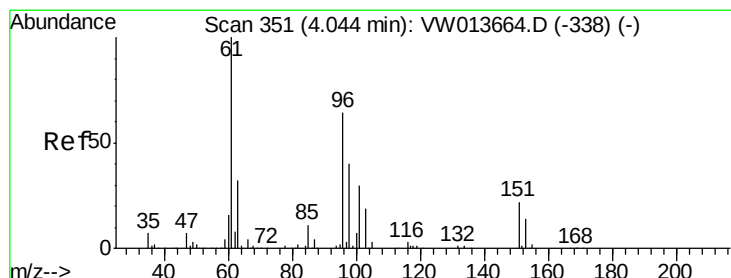
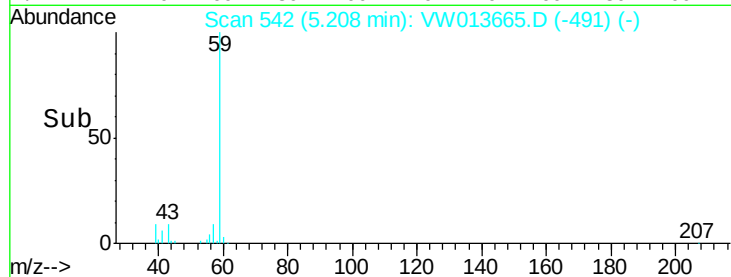
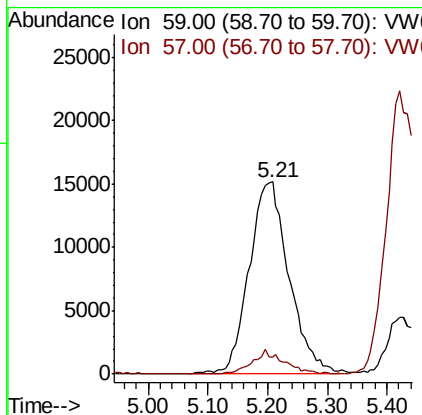
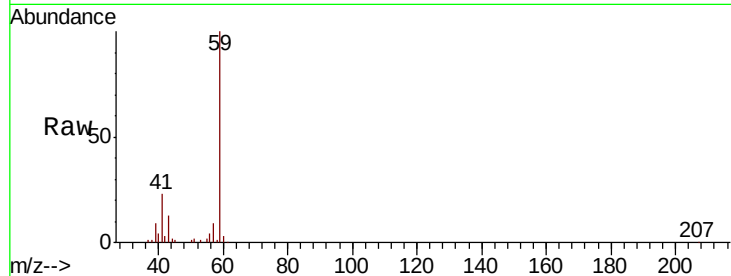
Tert butyl alcohol
Concen: 343.177 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59	57	Ratio	100	9.7	Resp	70600	Lower	8.8	Upper	13.2
Ion	59	57	Ratio	100	9.7	Resp	70600	Lower	8.8	Upper	13.2

Manual Integrations
APPROVED

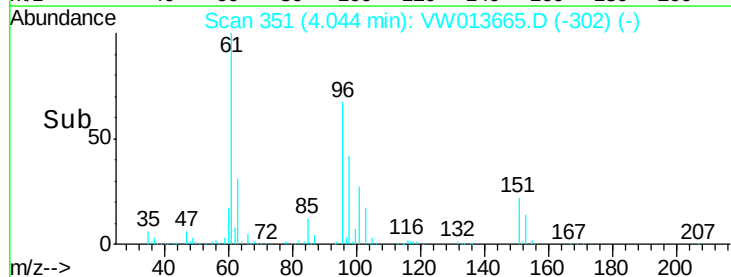
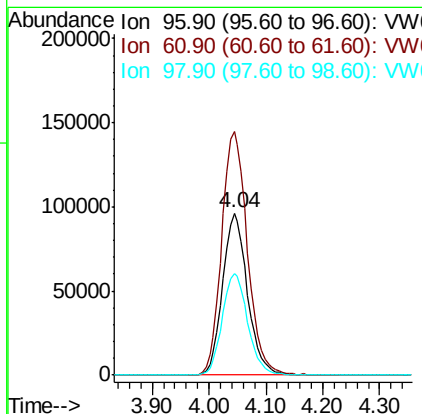
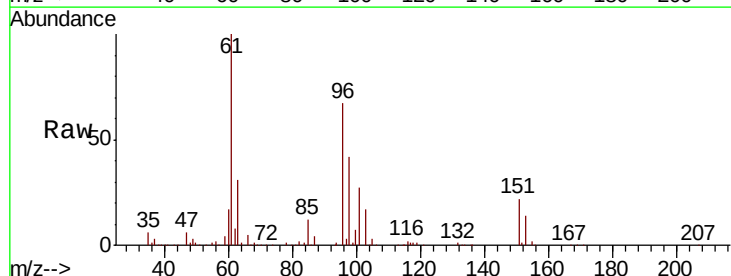
MMDadoda
10/24/2019 1:26:52 PM

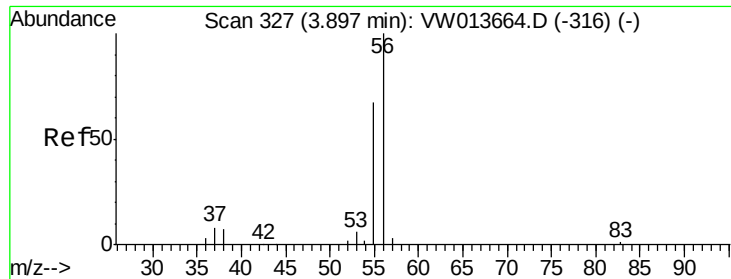


#12

1,1-Dichloroethene
Concen: 102.423 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	96	61	98	Ratio	100	150.0	62.9	Resp	292967	Lower	125.0	50.3	Upper	187.6	75.5
Ion	96	61	98	Ratio	100	150.0	62.9	Resp	292967	Lower	125.0	50.3	Upper	187.6	75.5





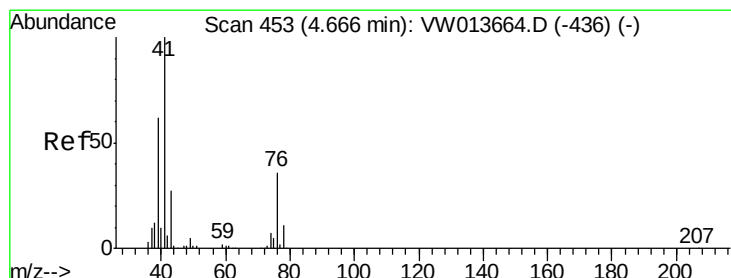
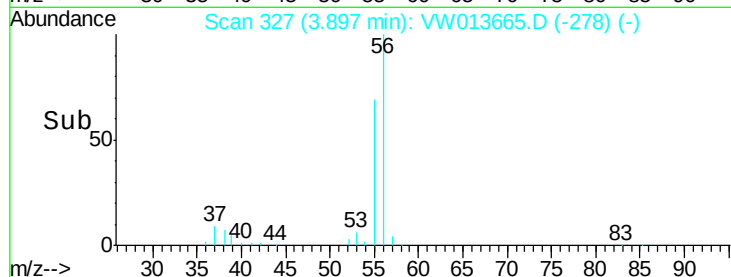
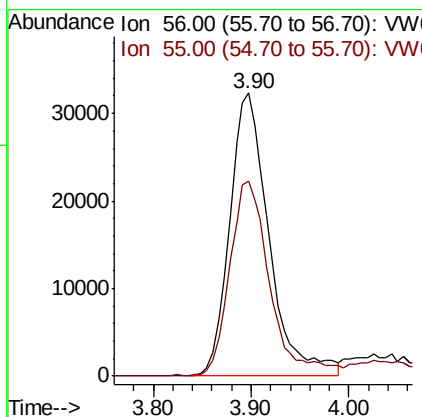
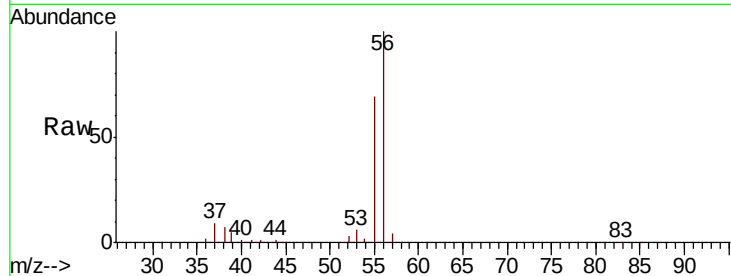
#13
Acrolein
Concen: 458.873 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	90277
Ion Ratio	100	Lower	Upper
55	69.7	56.1	84.1

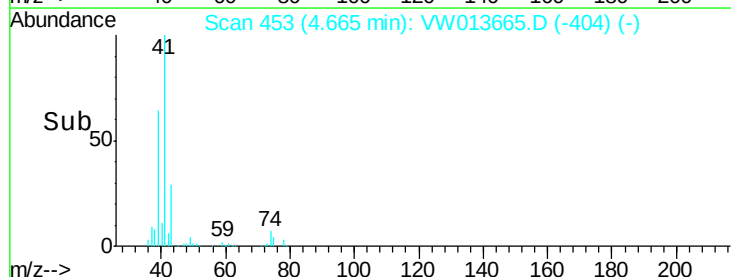
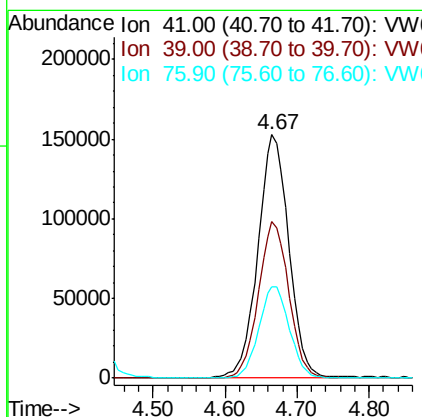
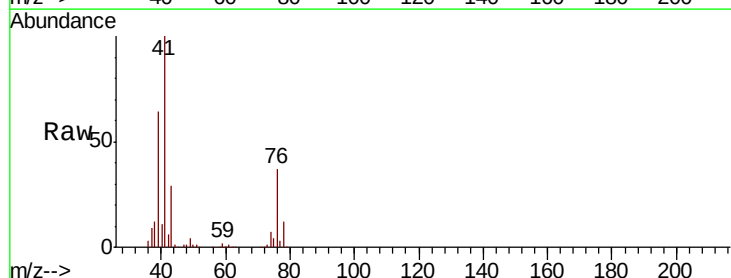
Manual Integrations
APPROVED

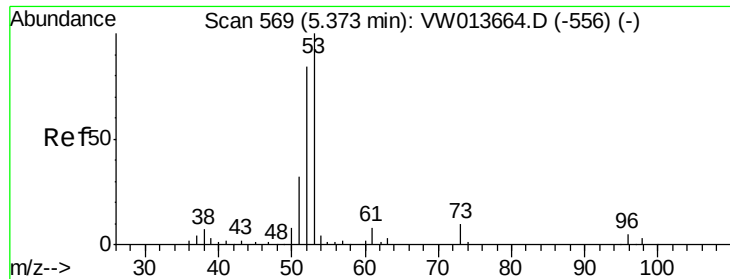
MMDadoda
10/24/2019 1:26:52 PM



#14
Allyl chloride
Concen: 103.877 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	41	Resp	456855
Ion Ratio	100	Lower	Upper
39	63.0	50.0	75.0
76	37.0	29.6	44.4





#15

Acrylonitrile

Concen: 457.798 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

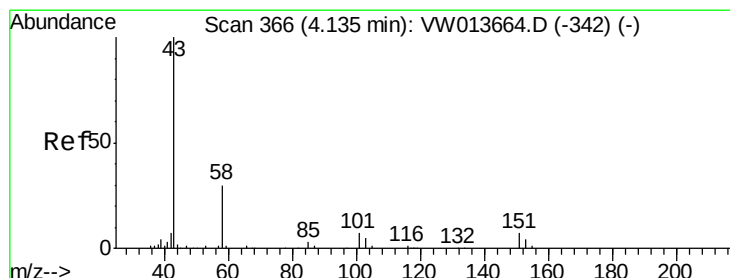
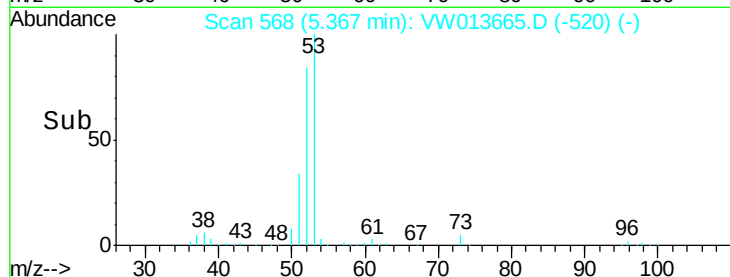
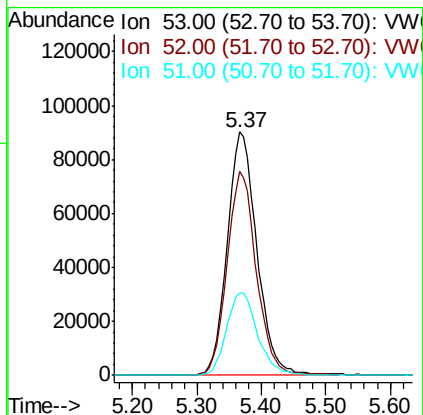
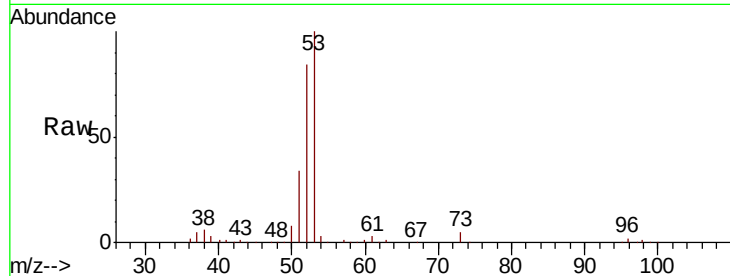
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	290555
Ion Ratio		Lower	Upper
53	100		
52	82.4	67.4	101.0
51	35.7	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#16

Acetone

Concen: 481.140 ug/l

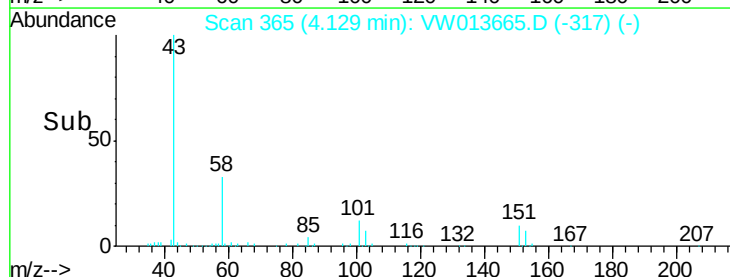
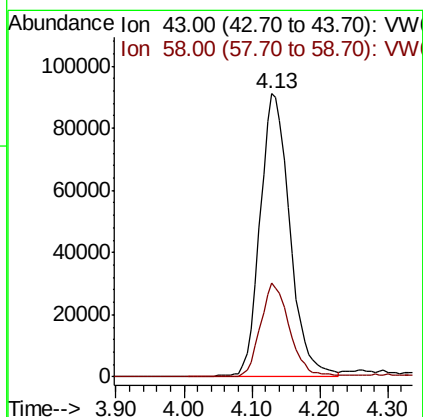
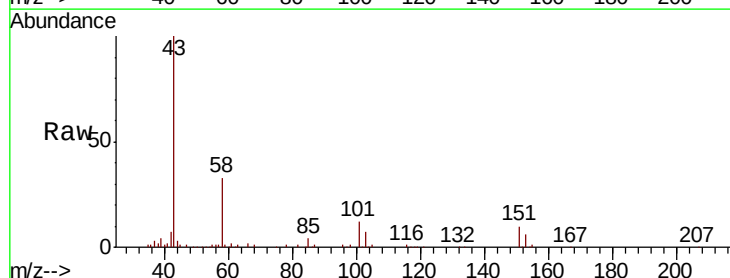
RT: 4.13 min Scan# 365

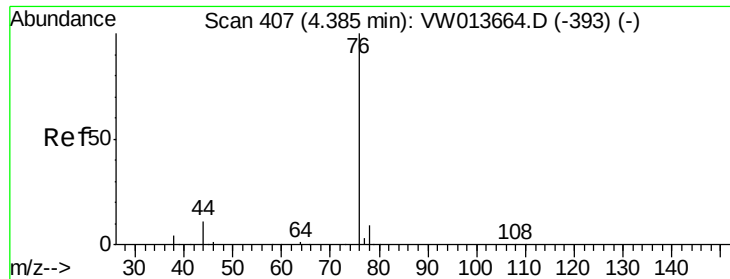
Delta R.T. -0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	43	Resp:	279958
Ion Ratio		Lower	Upper
43	100		
58	32.8	24.1	36.1





#17

Carbon Disulfide

Concen: 107.201 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 863748

Ion Ratio Lower Upper

76 100

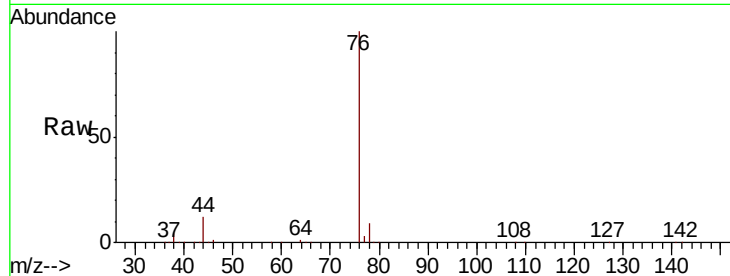
78 8.8 7.0 10.6

Manual Integrations

APPROVED

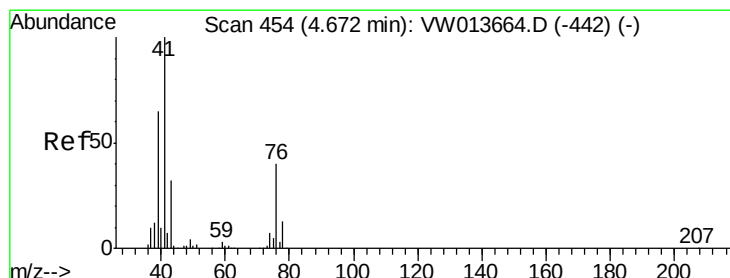
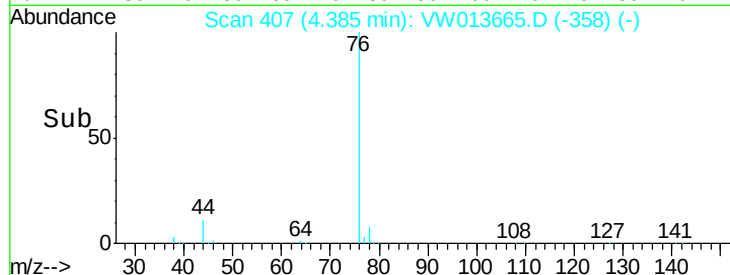
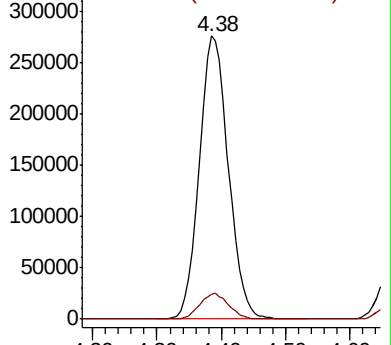
MMDadoda

10/24/2019 1:26:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 83.757 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013665.D

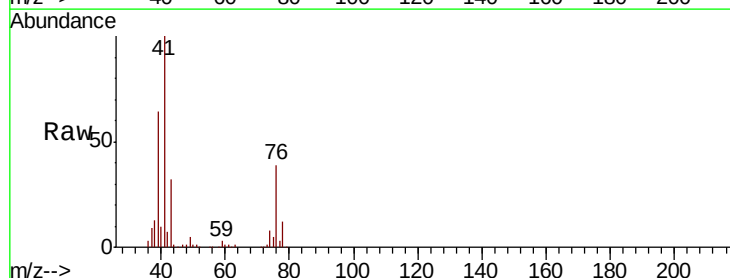
Acq: 23 Oct 2019 13:08

Tgt Ion: 43 Resp: 138977

Ion Ratio Lower Upper

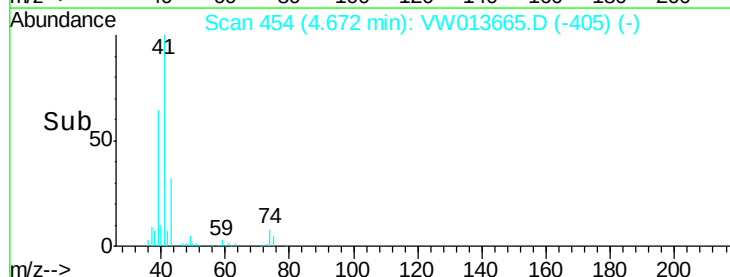
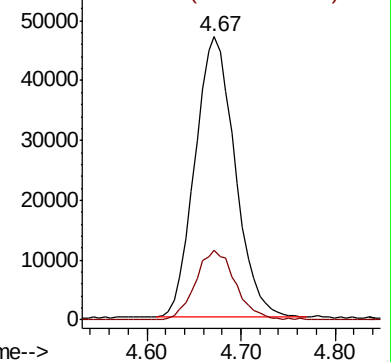
43 100

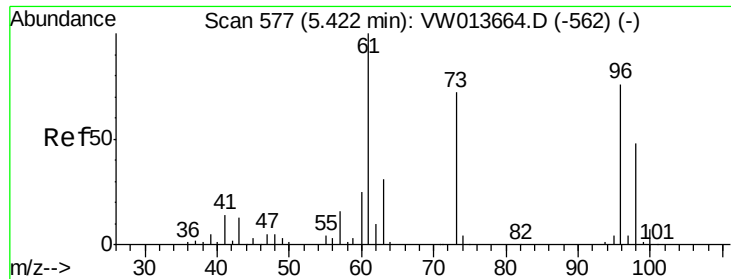
74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





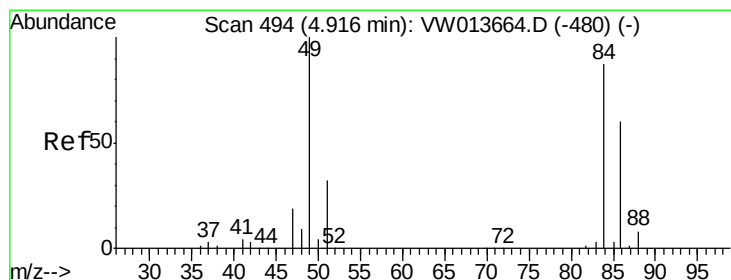
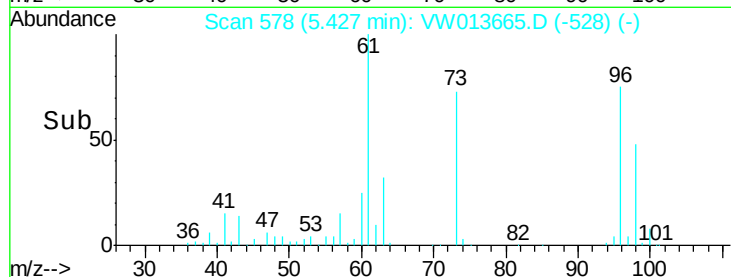
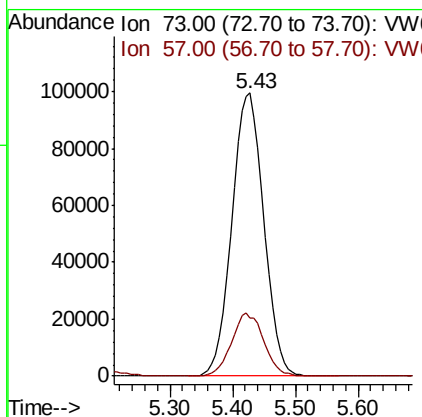
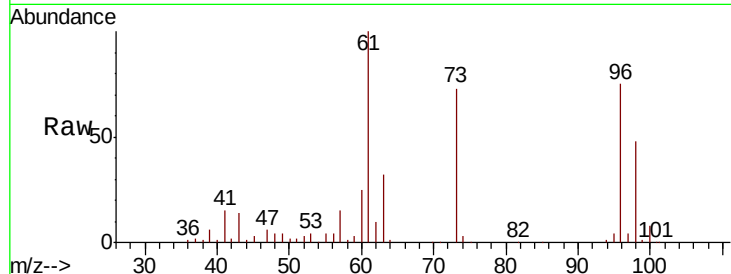
#19
Methyl tert-butyl Ether
Concen: 83.562 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 349434
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

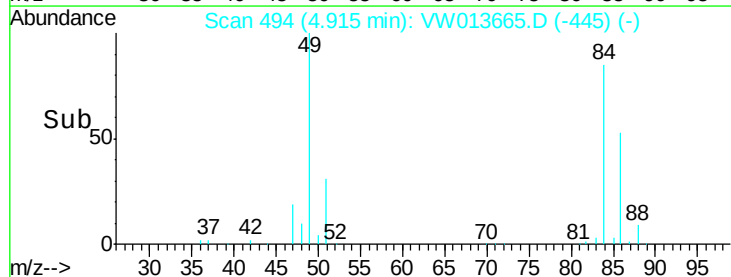
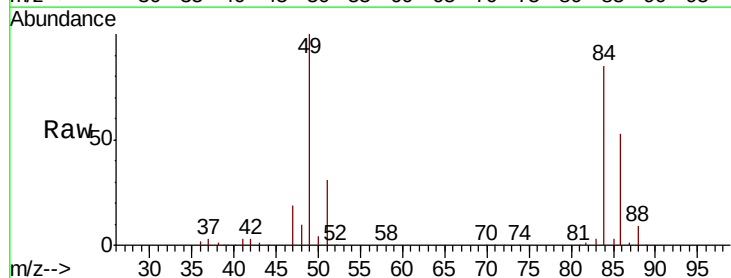
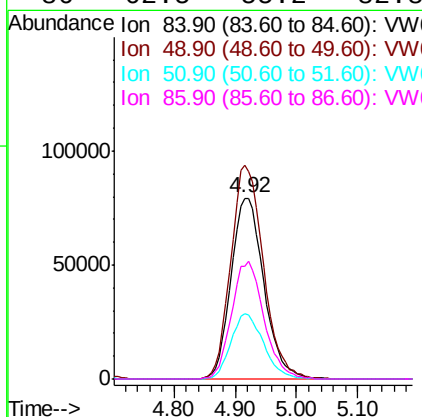
Manual Integrations
APPROVED

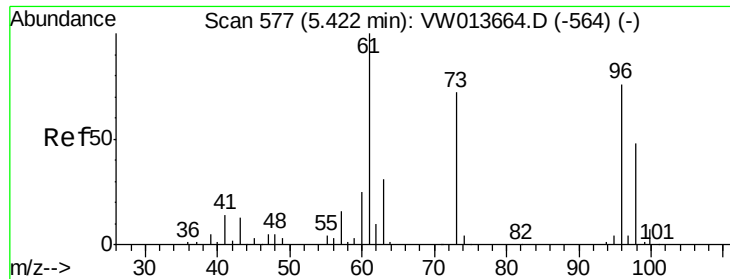
MMDadoda
10/24/2019 1:26:52 PM



#20
Methylene Chloride
Concen: 90.278 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 84 Resp: 293862
Ion Ratio Lower Upper
84 100
49 118.1 91.8 137.6
51 36.4 29.8 44.6
86 62.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 103.516 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 315588

Ion Ratio Lower Upper

96 100

61 138.6 104.8 157.2

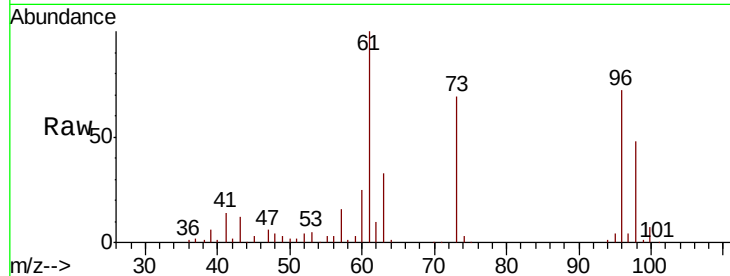
98 67.1 50.6 76.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM

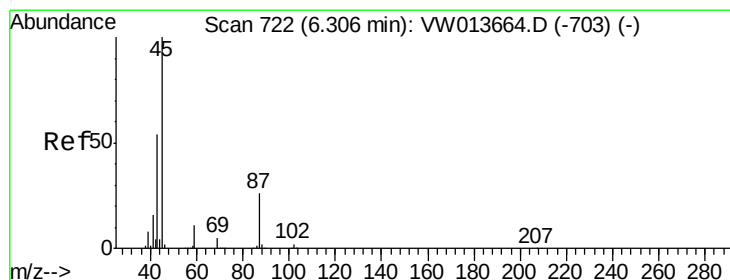
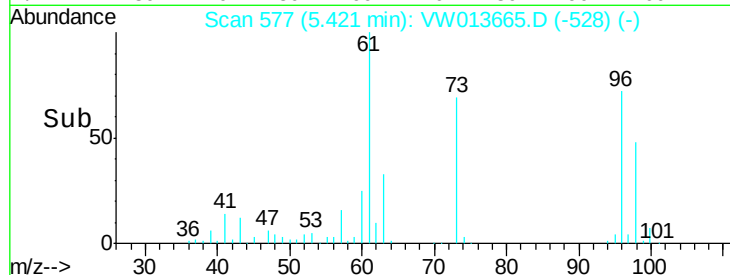
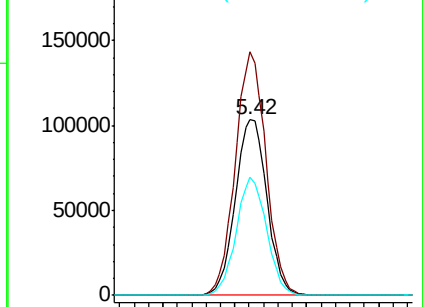


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 101.621 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion: 45 Resp: 835276

Ion Ratio Lower Upper

45 100

43 50.8 43.4 65.2

87 28.9 21.5 32.3

59 12.1 9.2 13.8

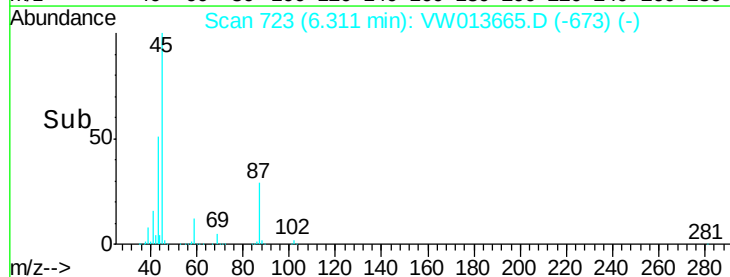
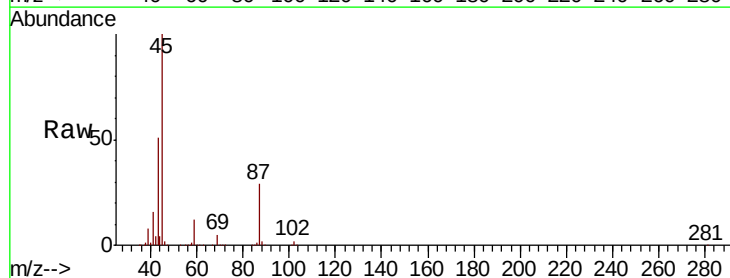
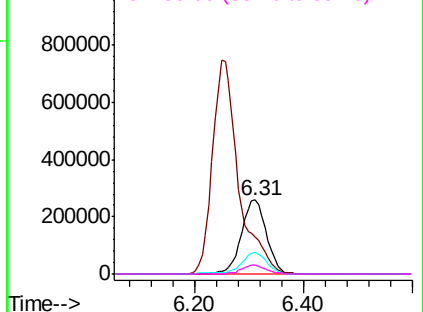
Abundance

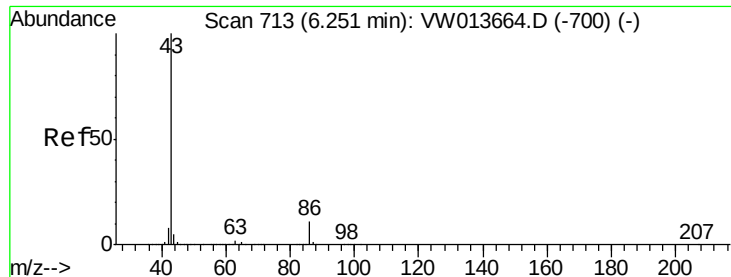
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 506.462 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2486118

Ion Ratio Lower Upper

43 100

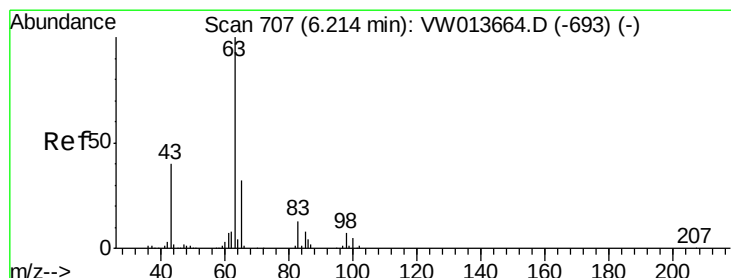
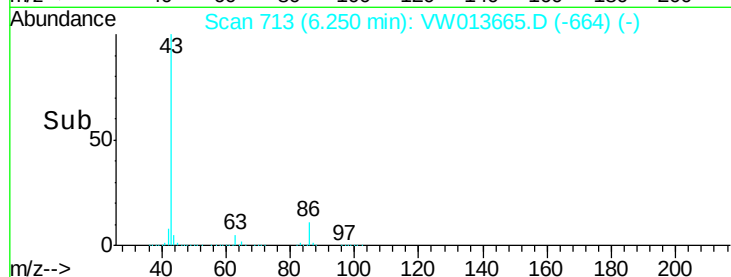
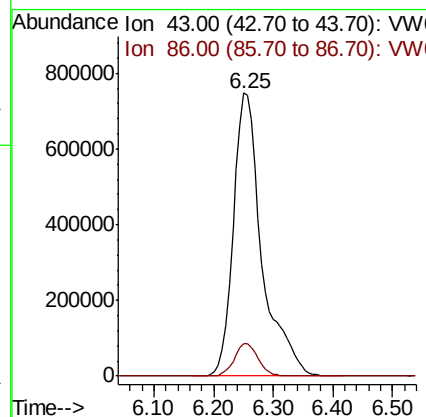
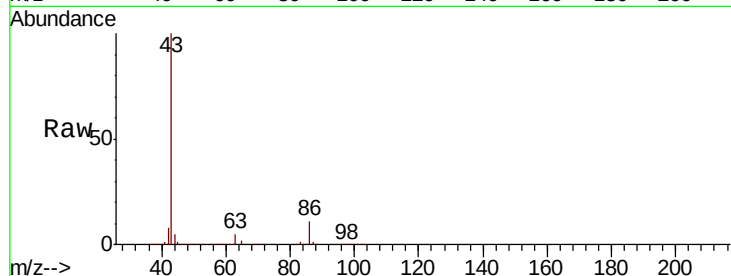
86 11.3 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#24

1,1-Dichloroethane

Concen: 103.652 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

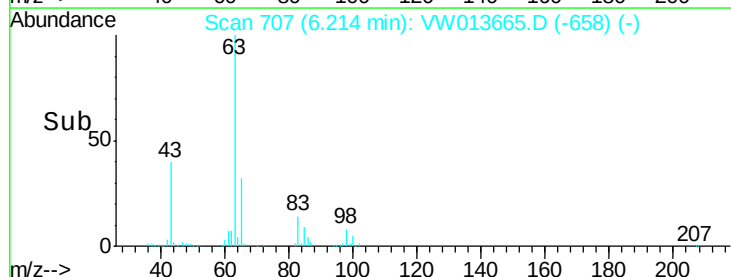
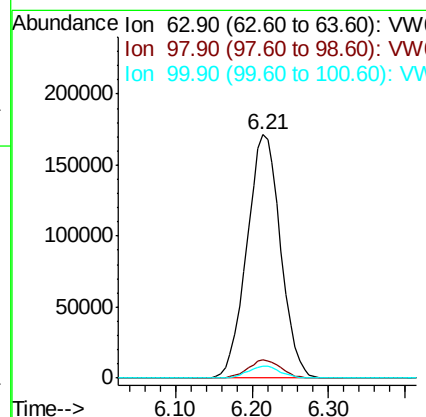
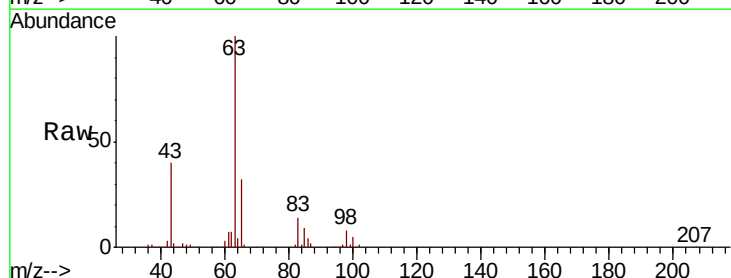
Tgt Ion: 63 Resp: 524209

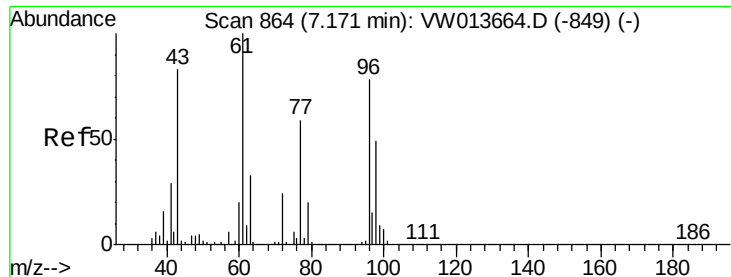
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 453.457 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 387123

Ion Ratio Lower Upper

43 100

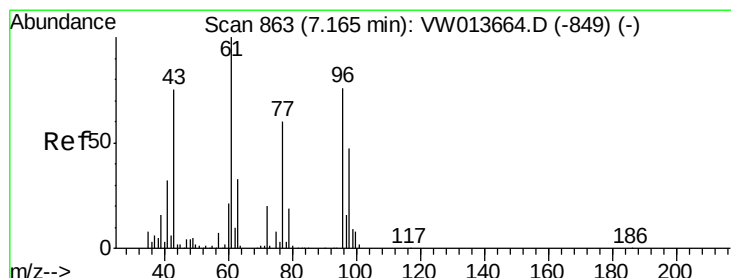
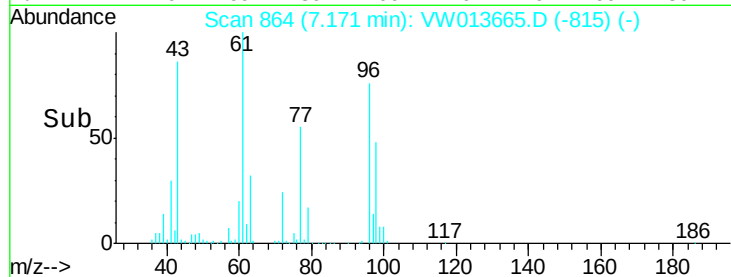
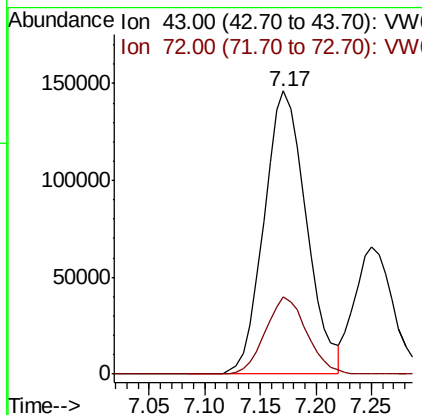
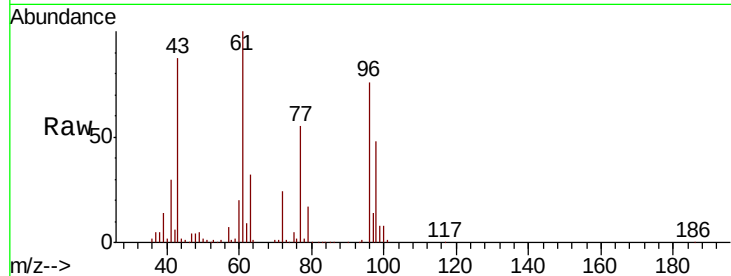
72 27.3 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#26

2,2-Dichloropropane

Concen: 87.594 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013665.D

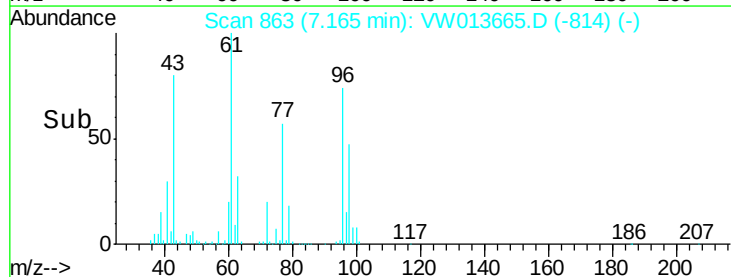
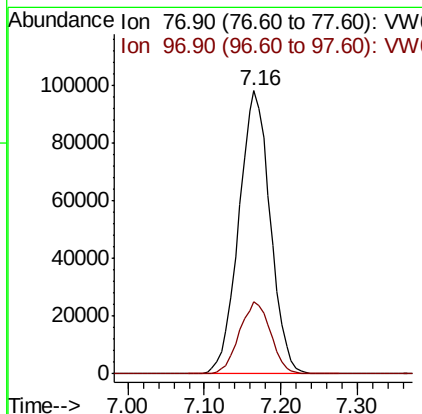
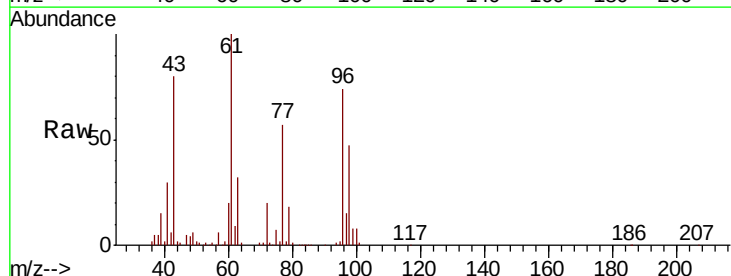
Acq: 23 Oct 2019 13:08

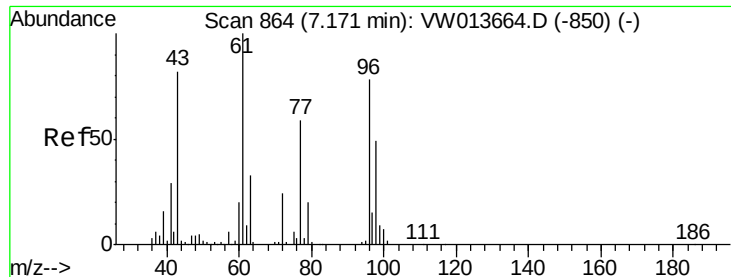
Tgt Ion: 77 Resp: 279225

Ion Ratio Lower Upper

77 100

97 25.4 12.8 38.4





#27

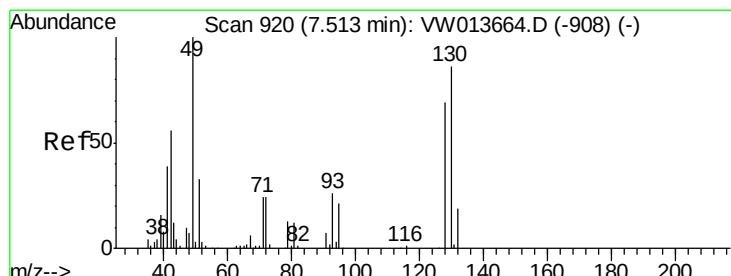
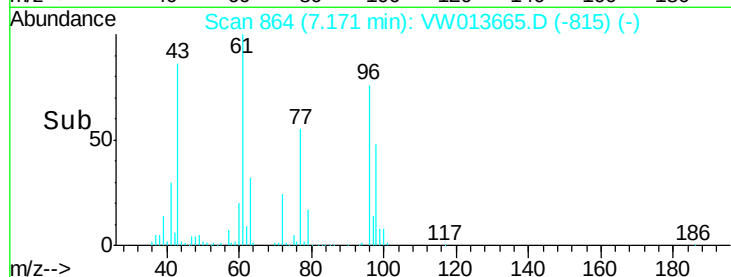
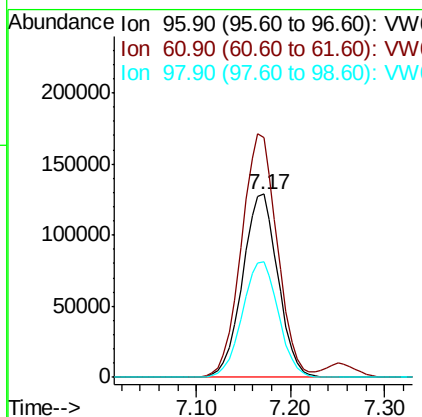
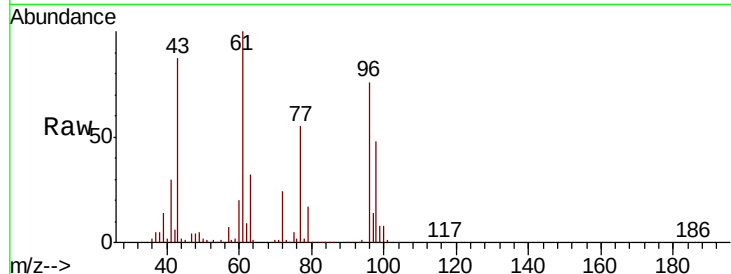
cis-1,2-Dichloroethene
Concen: 104.946 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.7	0.0	266.0	
98	64.3	0.0	126.8	

Manual Integrations
APPROVED

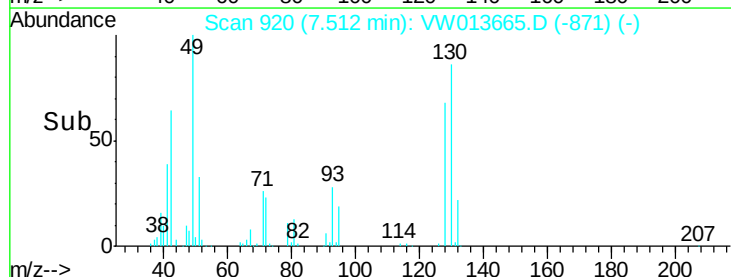
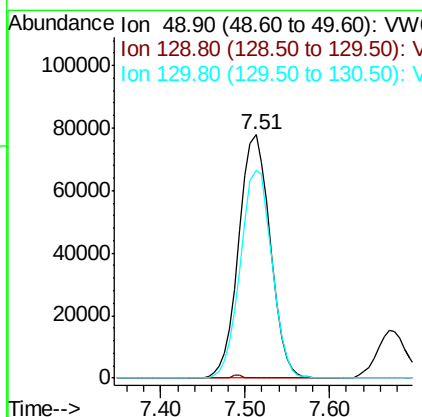
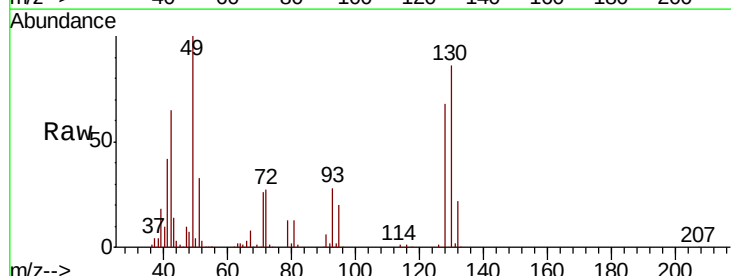
MMDadoda
10/24/2019 1:26:52 PM

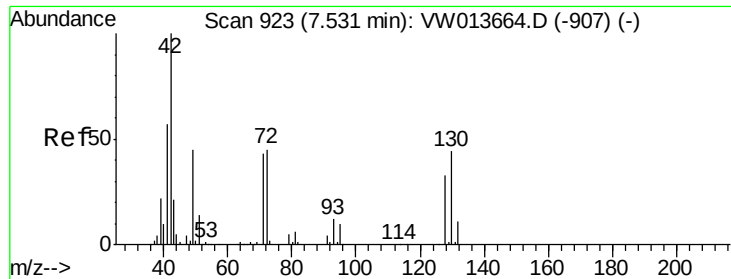


#28

Bromochloromethane
Concen: 108.848 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.4	0.0	0.6	
130	85.8	67.5	101.3	





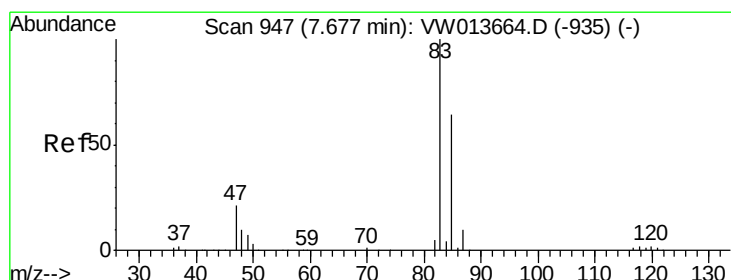
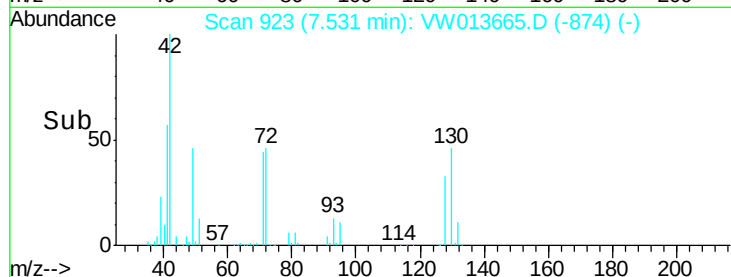
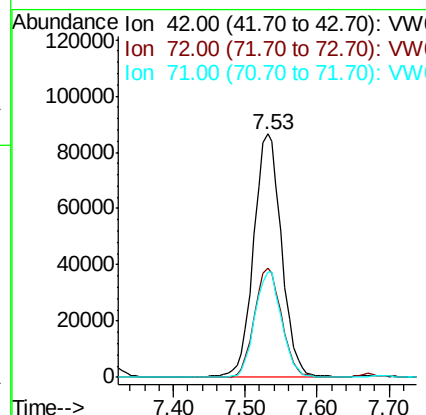
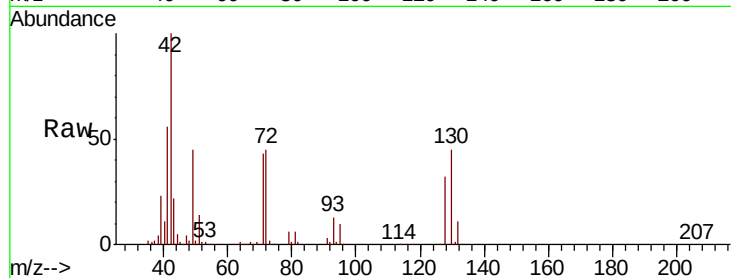
#29
Tetrahydrofuran
Concen: 447.135 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.3	52.9
71	41.9	33.3	49.9

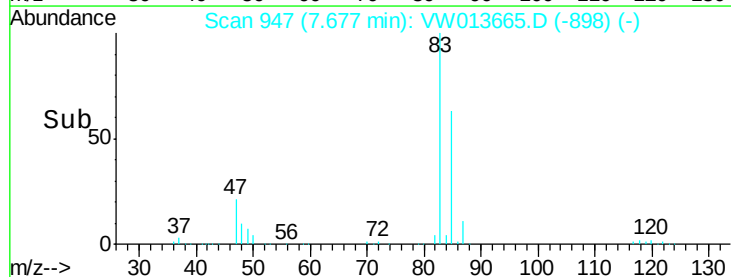
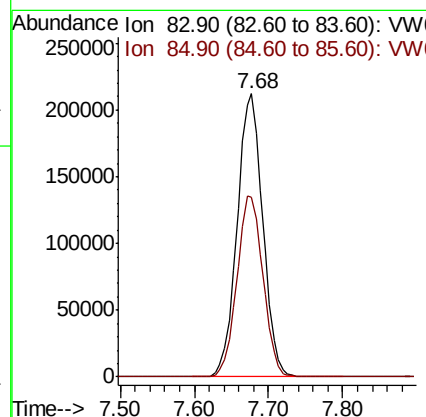
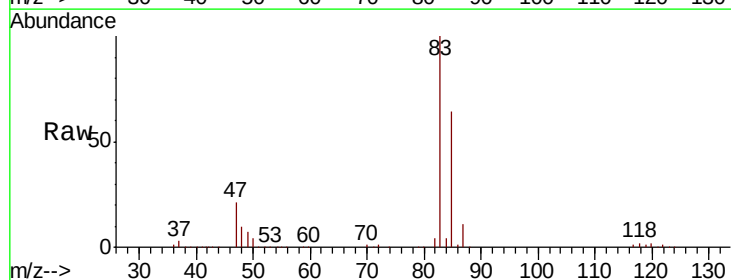
Manual Integrations
APPROVED

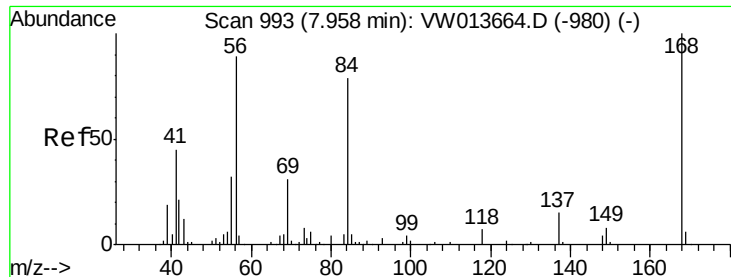
MMDadoda
10/24/2019 1:26:52 PM



#30
Chloroform
Concen: 104.511 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





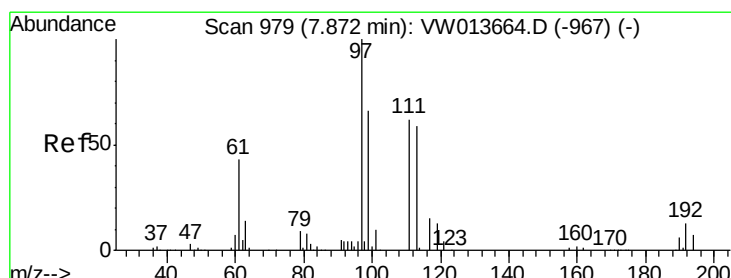
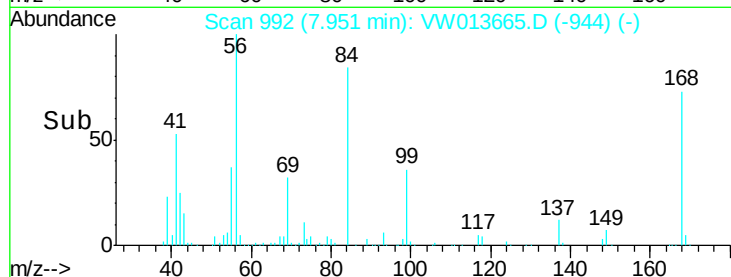
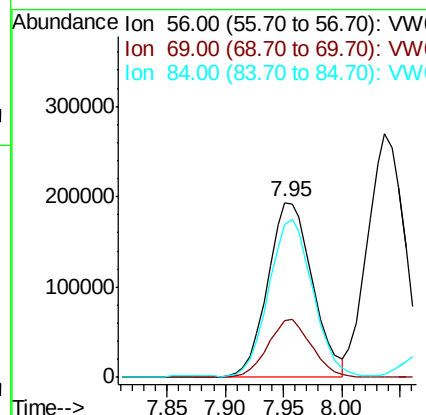
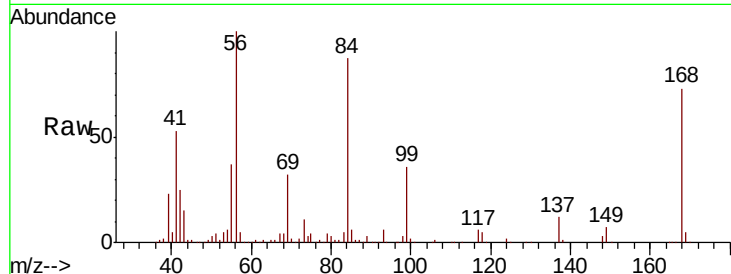
#31
Cyclohexane
Concen: 96.795 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	27.5	41.3
84	86.1	70.8	106.2

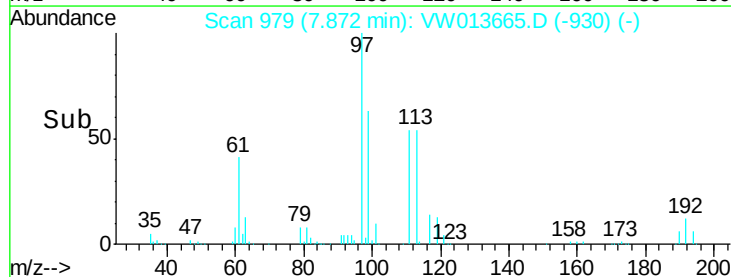
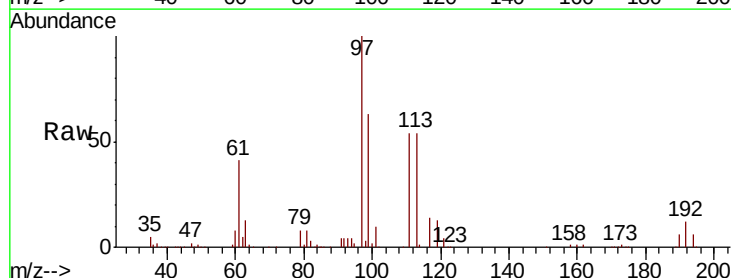
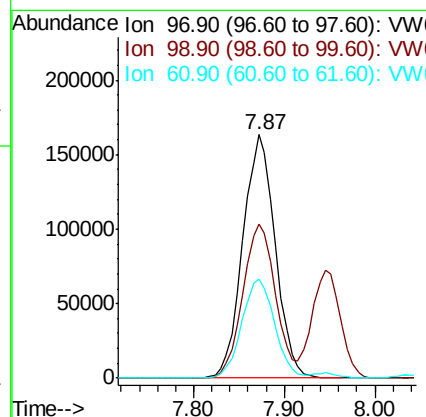
Manual Integrations
APPROVED

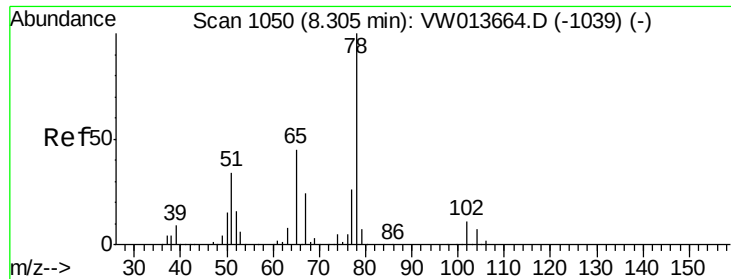
MMDadoda
10/24/2019 1:26:52 PM



#32
1,1,1-Trichloroethane
Concen: 102.803 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	41.2	33.8	50.6





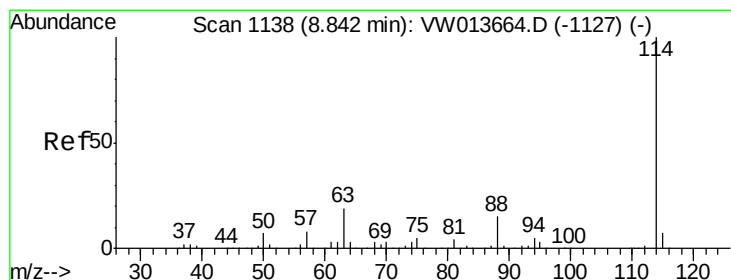
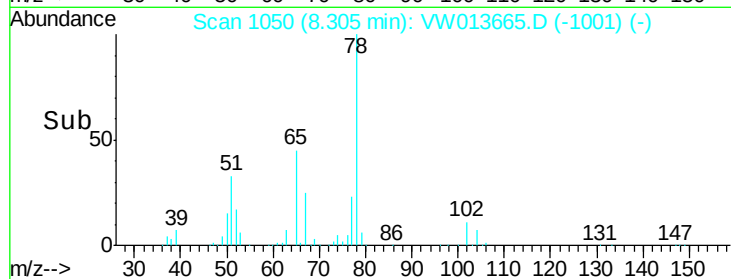
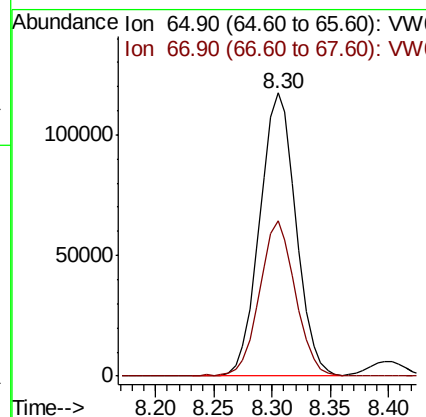
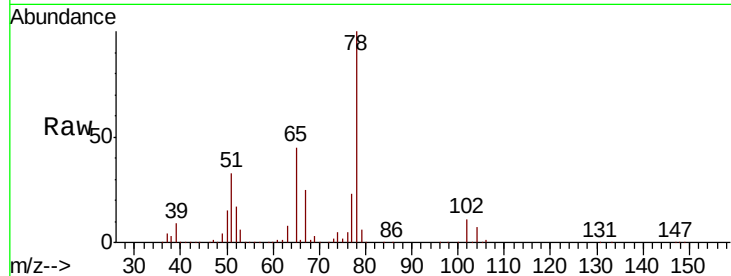
#33
 1,2-Dichloroethane-d4
 Concen: 99.468 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	254426		
67	54.3	0.0	109.4	

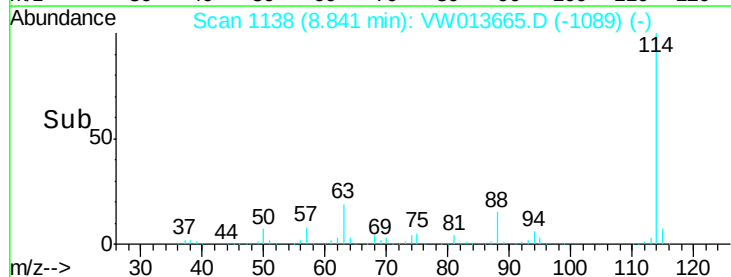
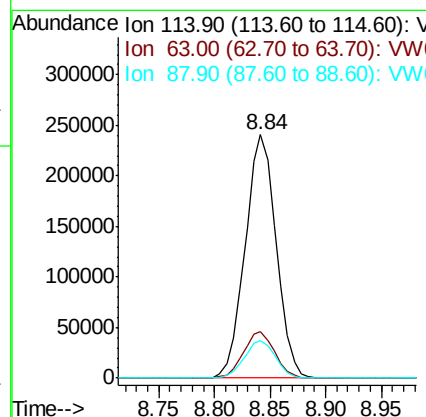
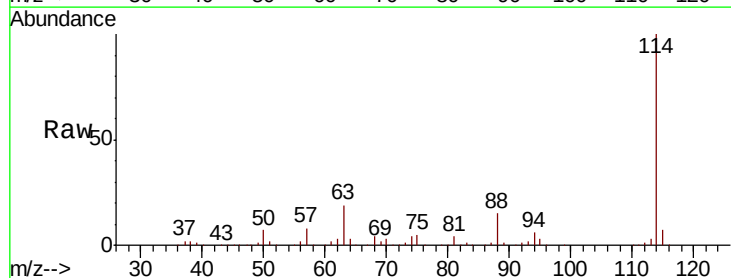
Manual Integrations
 APPROVED

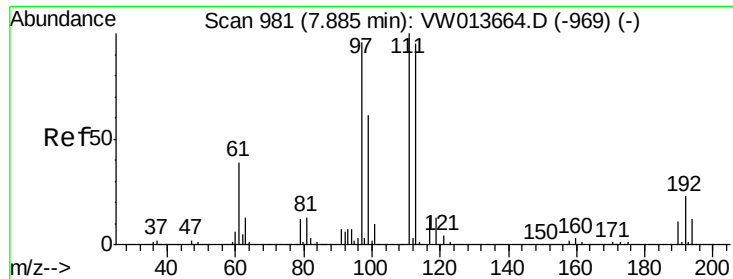
MMDadoda
 10/24/2019 1:26:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466460		
63	19.1	0.0	37.6	
88	15.4	0.0	30.2	





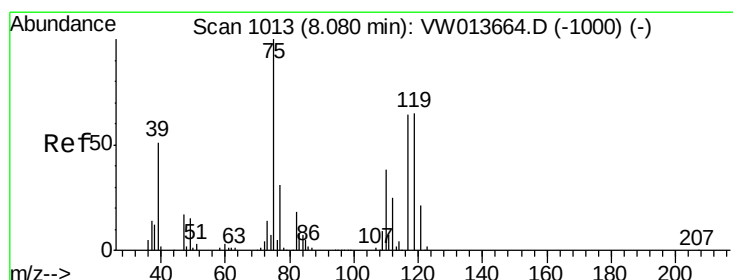
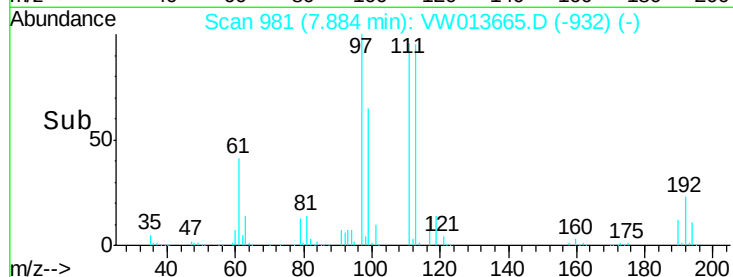
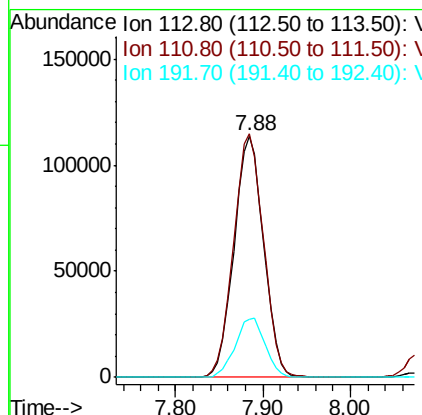
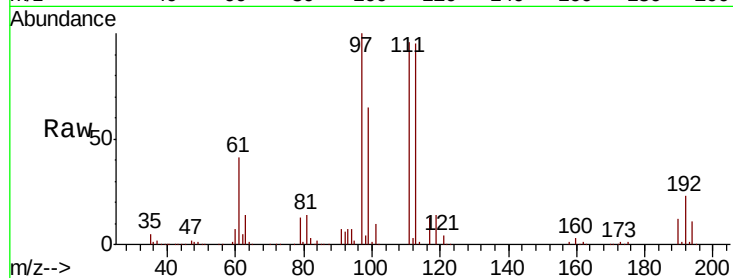
#35
Dibromofluoromethane
Concen: 101.476 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	267364		
111	102.2	83.0	124.6	
192	24.7	19.4	29.2	

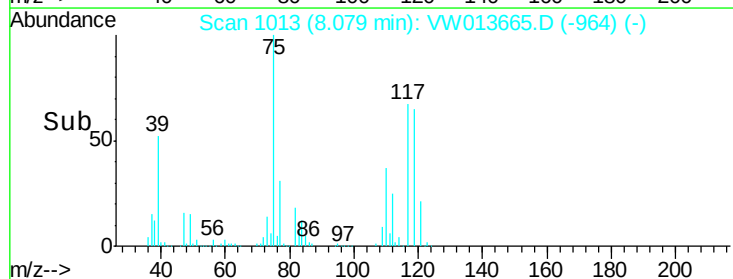
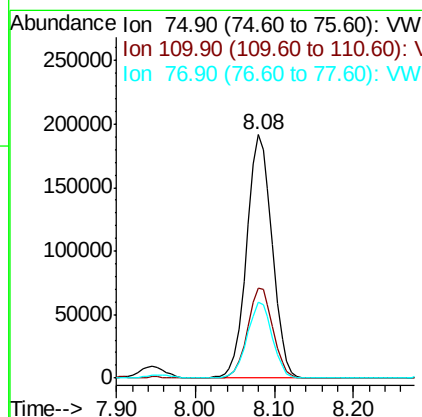
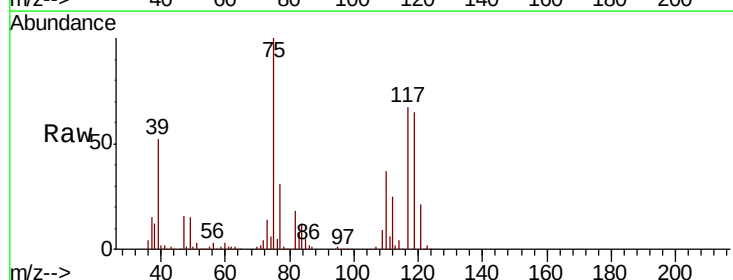
Manual Integrations
APPROVED

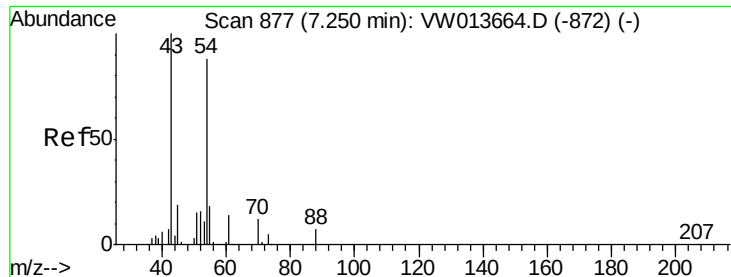
MMDadoda
10/24/2019 1:26:52 PM



#36
1,1-Dichloropropene
Concen: 101.245 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	429531		
110	36.8	18.7	56.1	
77	30.9	25.4	38.0	





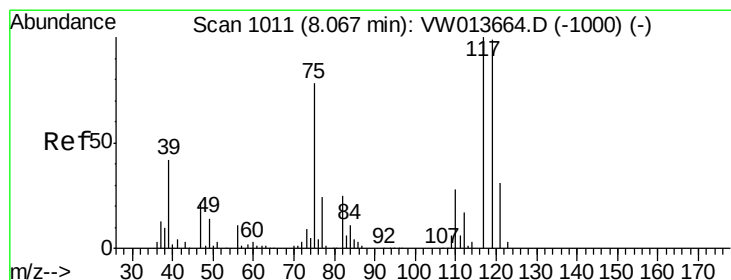
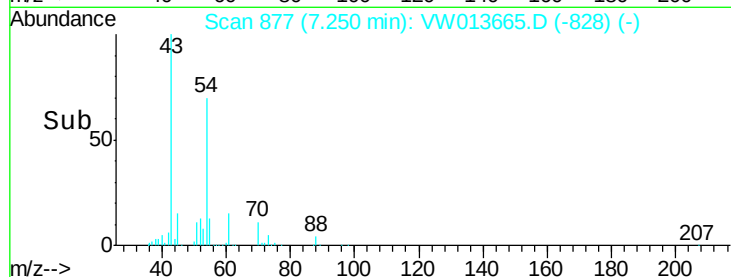
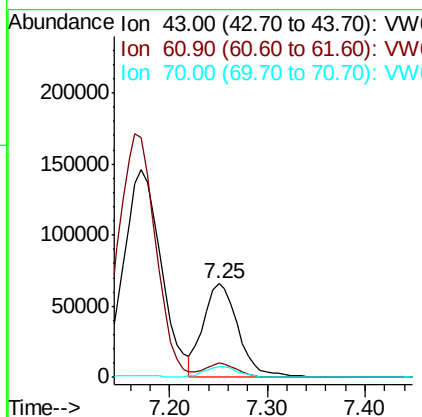
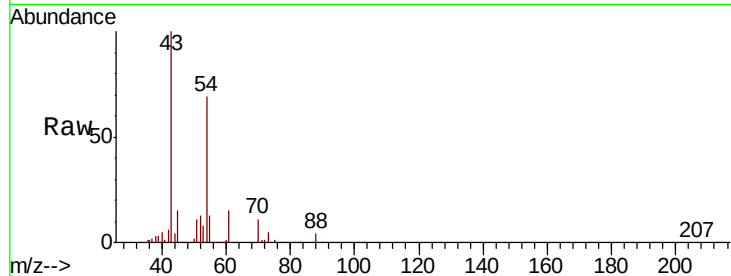
#37
Ethyl Acetate
Concen: 86.347 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100	162015		
61	13.9		11.7	17.5
70	11.4		8.8	13.2

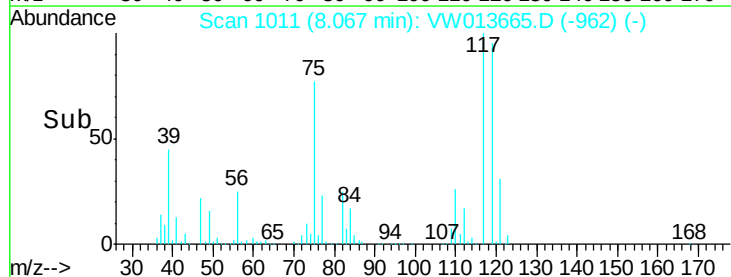
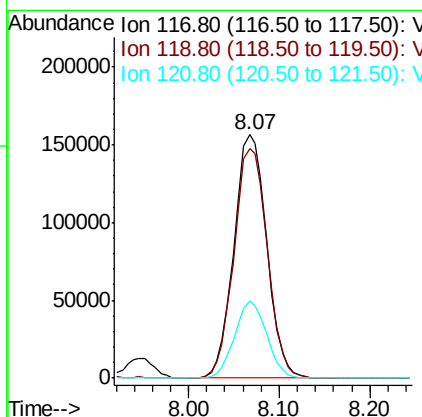
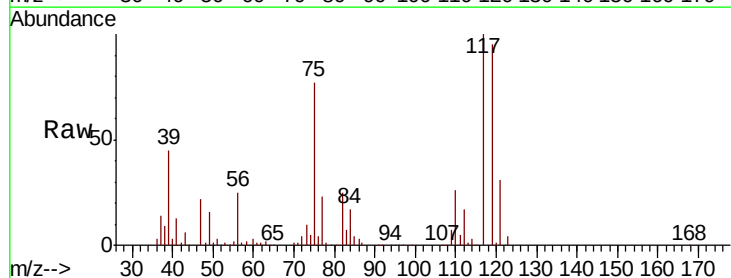
Manual Integrations
APPROVED

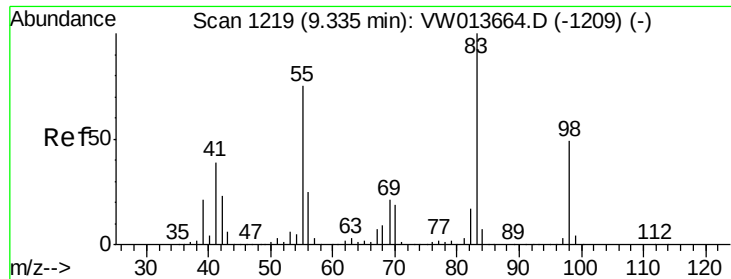
MMDadoda
10/24/2019 1:26:52 PM



#38
Carbon Tetrachloride
Concen: 104.613 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	392626		
119	94.5		79.0	118.4
121	31.5		24.5	36.7





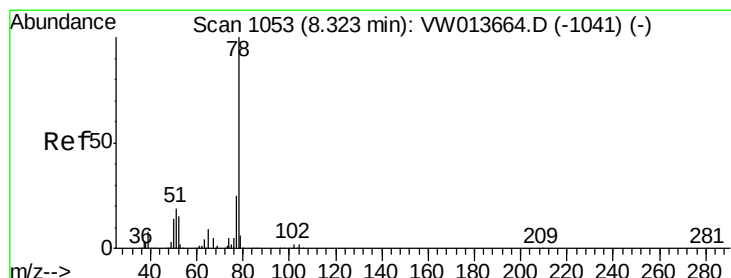
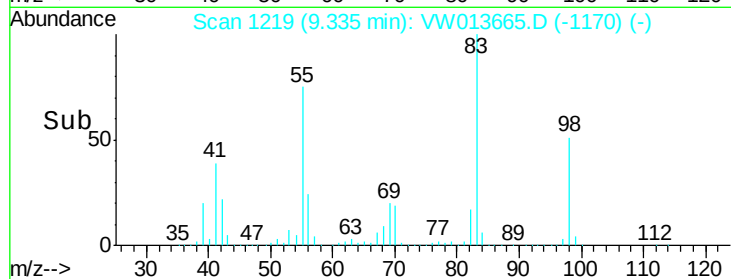
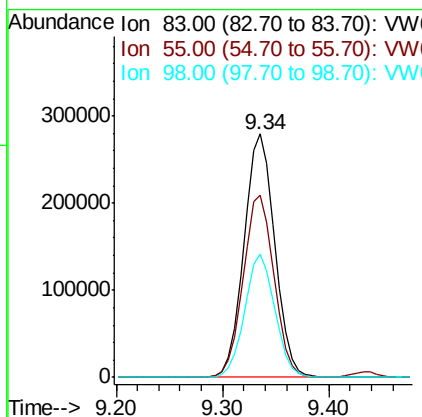
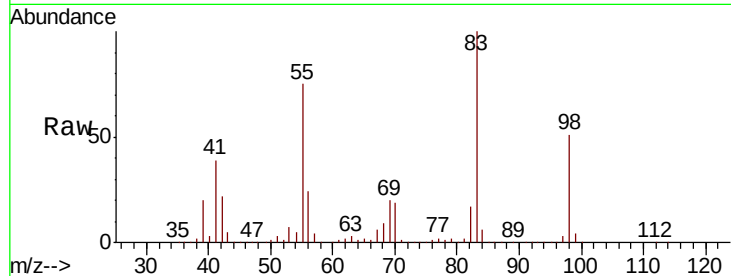
#39
Methylvlcyclohexane
Concen: 103.030 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	566657
Ion Ratio	100	Lower	Upper
83	100		
55	74.6	59.9	89.9
98	50.8	39.4	59.2

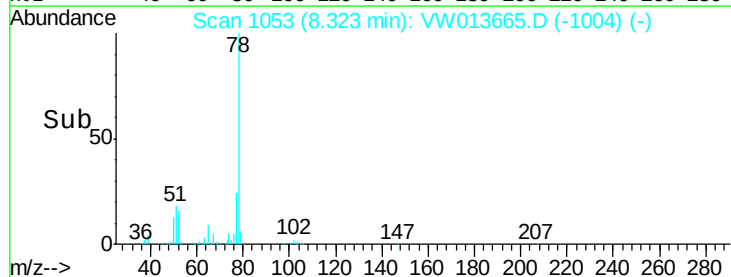
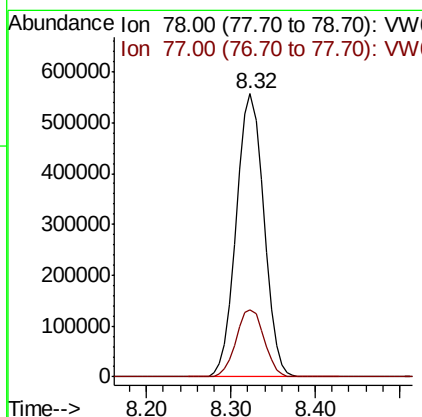
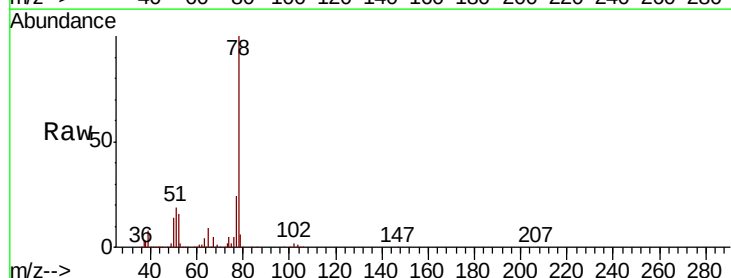
Manual Integrations
APPROVED

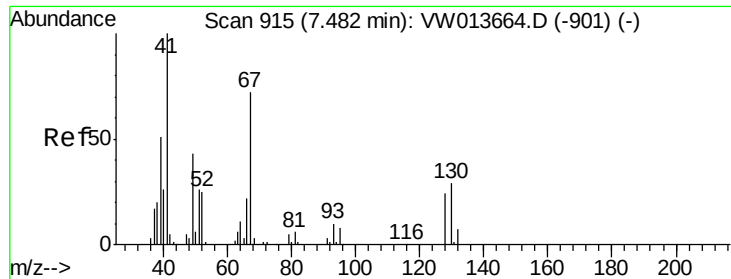
MMDadoda
10/24/2019 1:26:52 PM



#40
Benzene
Concen: 103.346 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	78	Resp	1226632
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	19.6	29.4





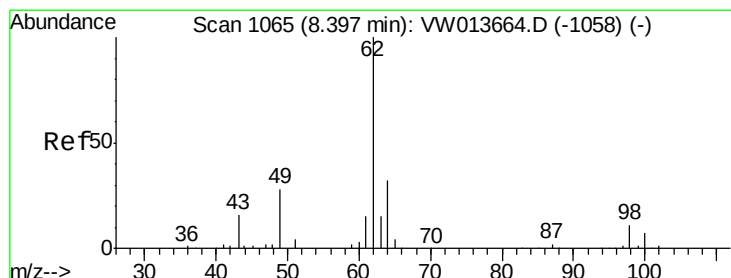
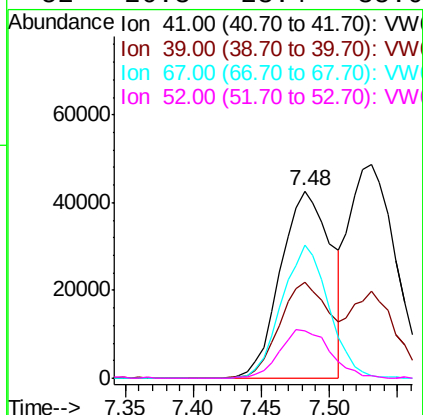
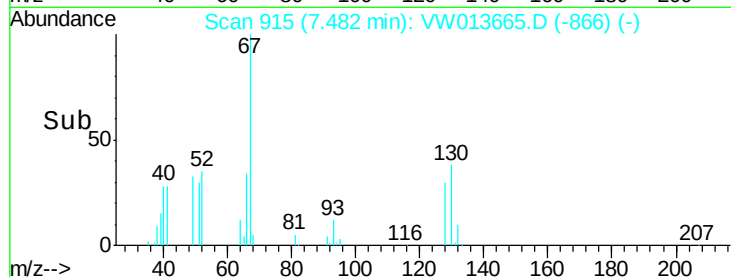
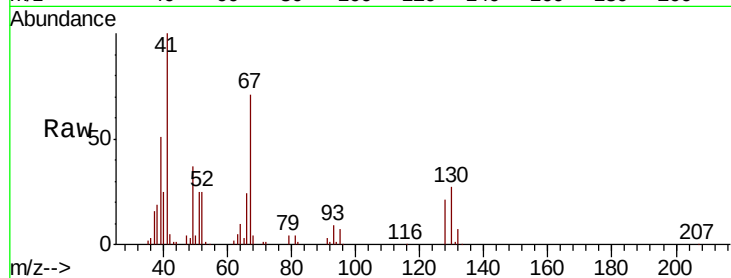
#41
Methacrylonitrile
Concen: 102.798 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	110321
Ion	Ratio	Lower	Upper
41	100		
39	50.7	44.8	67.2
67	66.3	59.3	88.9
52	26.3	23.4	35.0

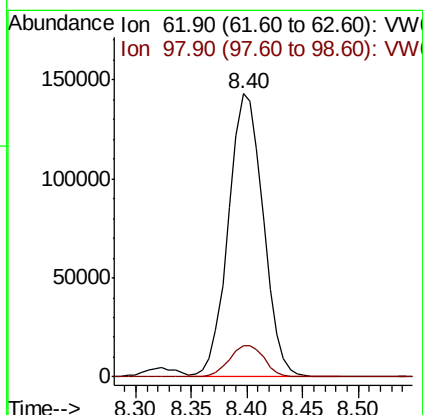
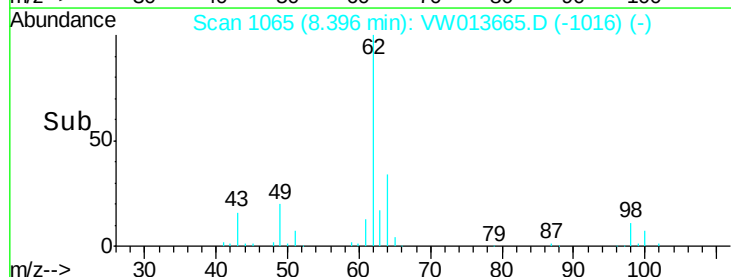
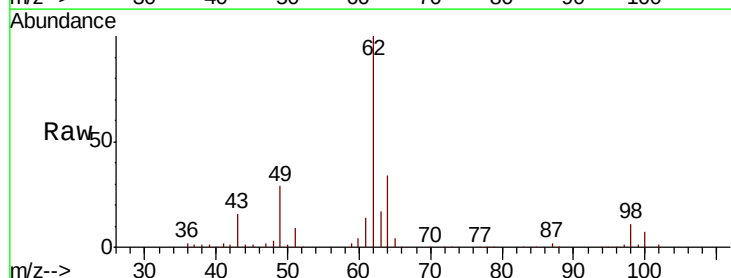
Manual Integrations
APPROVED

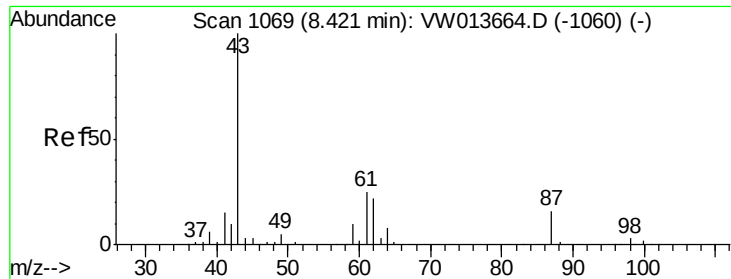
MMDadoda
10/24/2019 1:26:52 PM



#42
1,2-Dichloroethane
Concen: 103.293 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	62	Resp	310034
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.4





#43

Isopropyl Acetate

Concen: 93.521 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

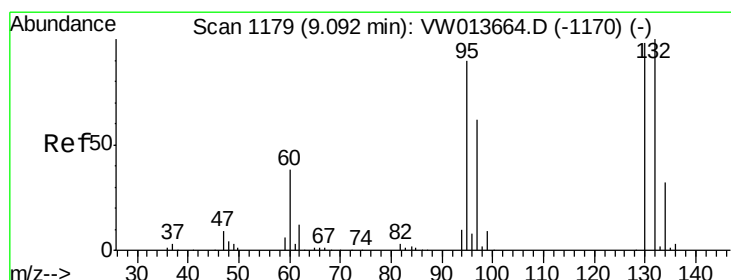
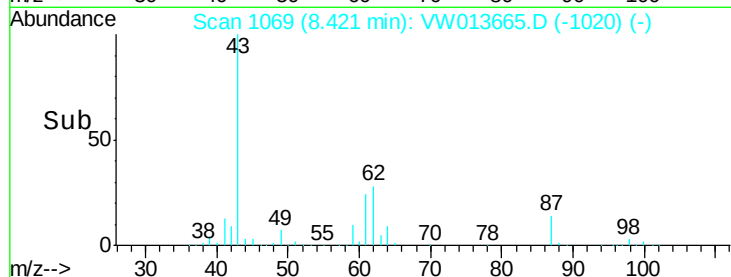
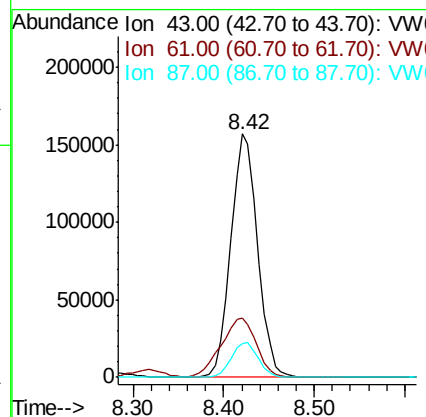
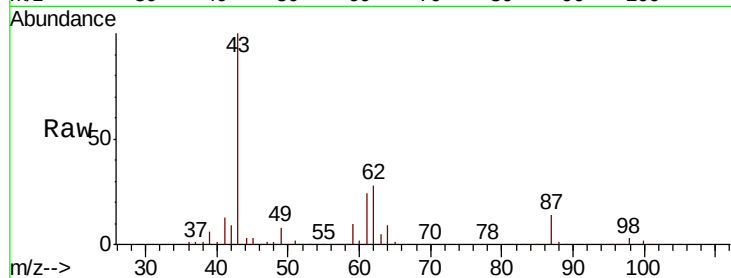
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	319950
Ion	Ratio	Lower	Upper
43	100		
61	32.3	26.1	39.1
87	14.3	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#44

Trichloroethene

Concen: 104.033 ug/l

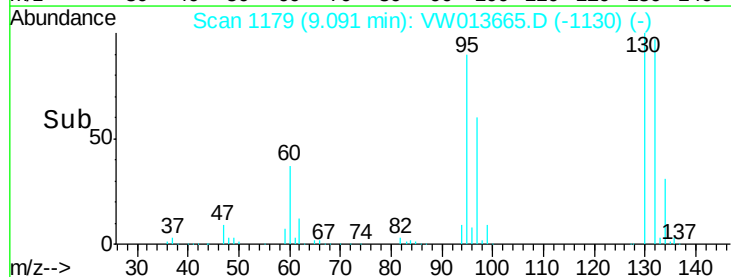
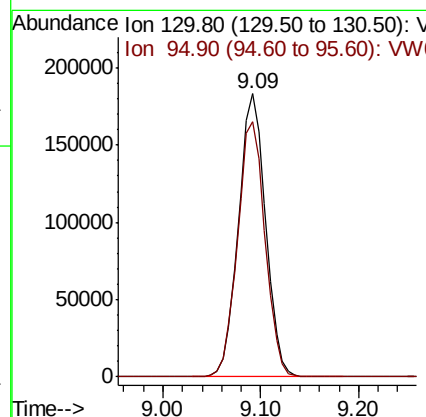
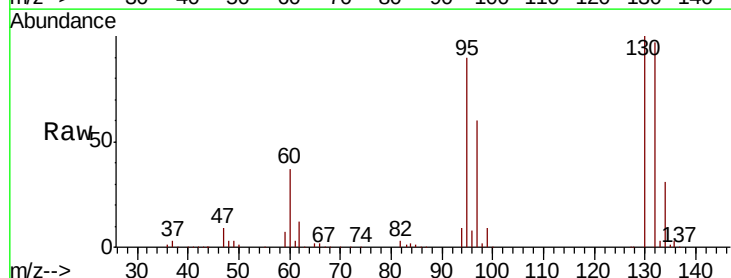
RT: 9.09 min Scan# 1179

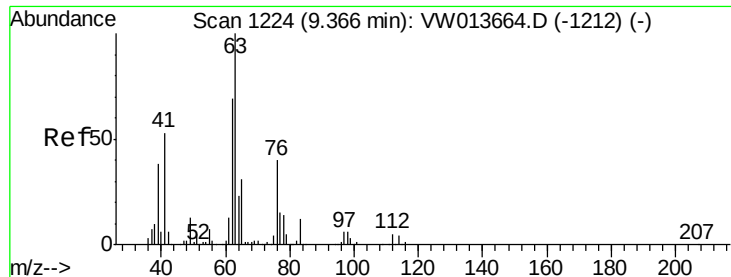
Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	130	Resp:	352352
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	184.6





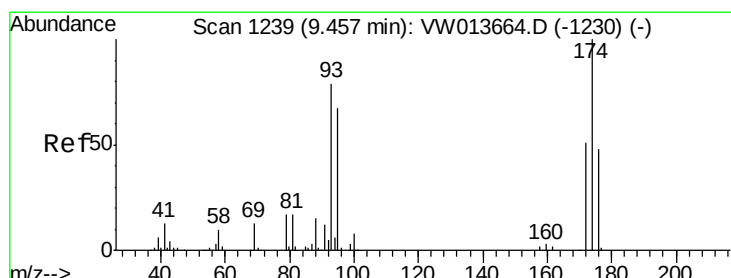
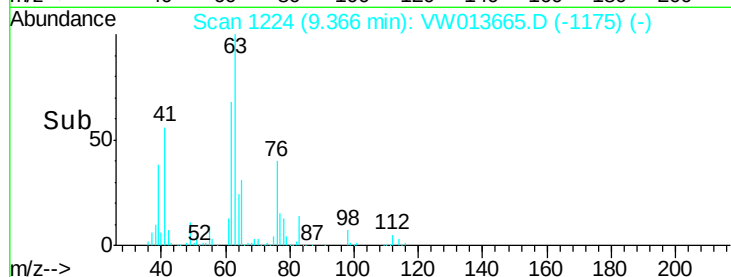
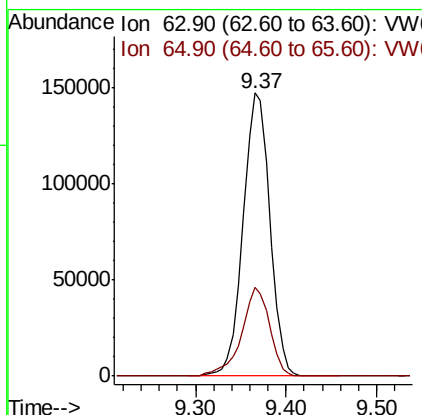
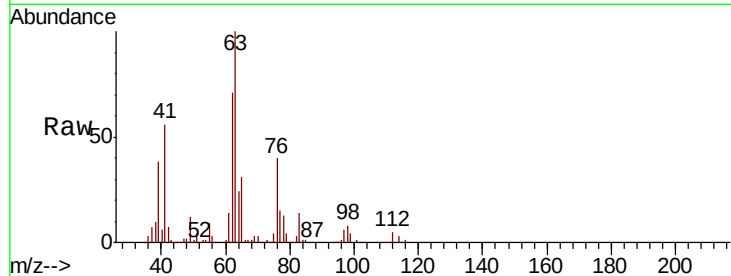
#45
 1,2-Dichloropropane
 Concen: 105.178 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.2	37.8

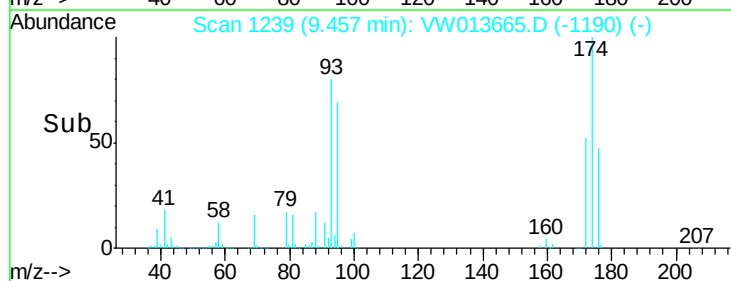
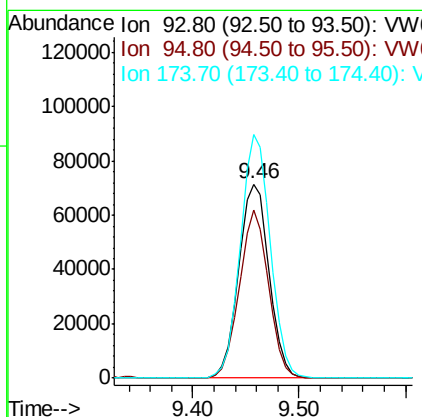
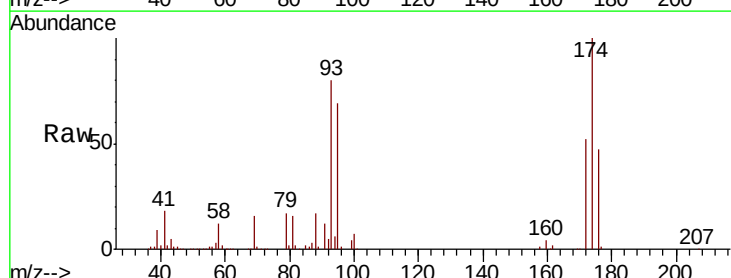
Manual Integrations
 APPROVED

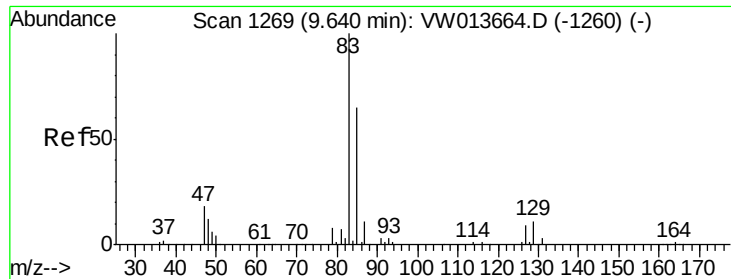
MMDadoda
 10/24/2019 1:26:52 PM



#46
 Dibromomethane
 Concen: 101.302 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.5	99.7
174	123.5	99.6	149.4





#47

Bromodichloromethane

Concen: 107.756 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

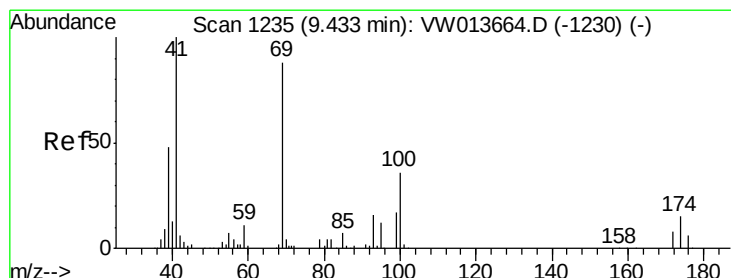
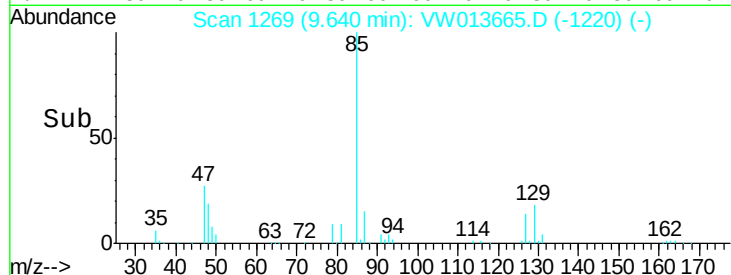
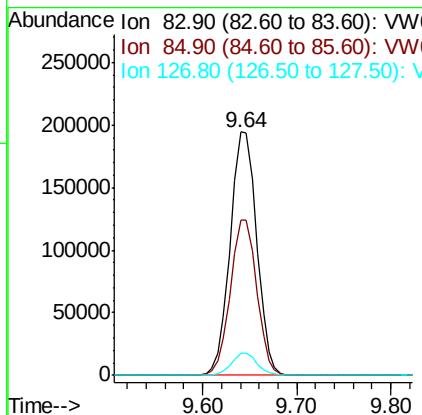
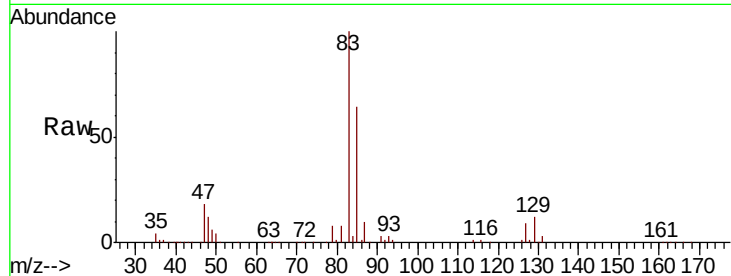
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	381243
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.8	77.6
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#48

Methyl methacrylate

Concen: 97.194 ug/l

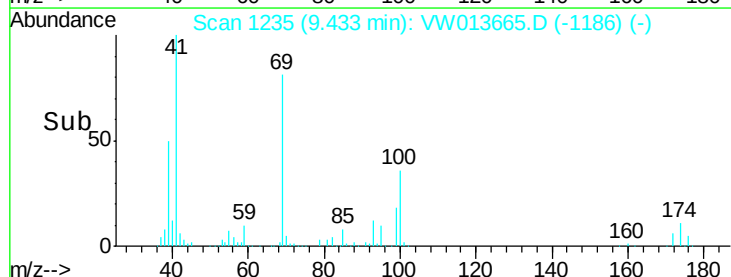
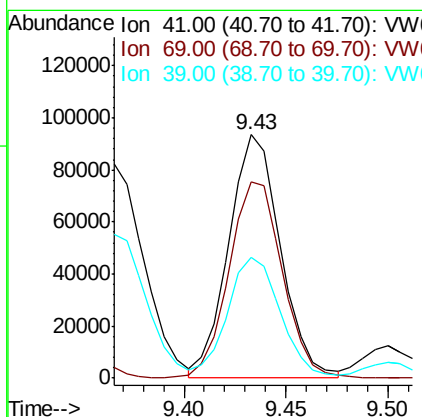
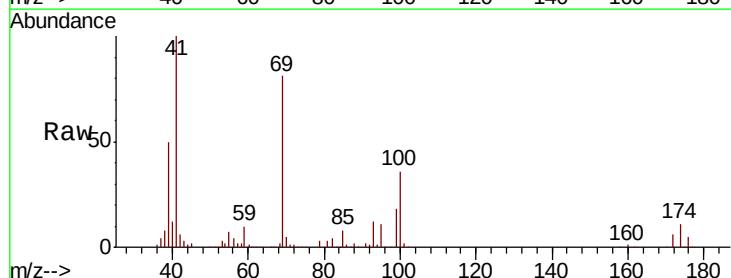
RT: 9.43 min Scan# 1235

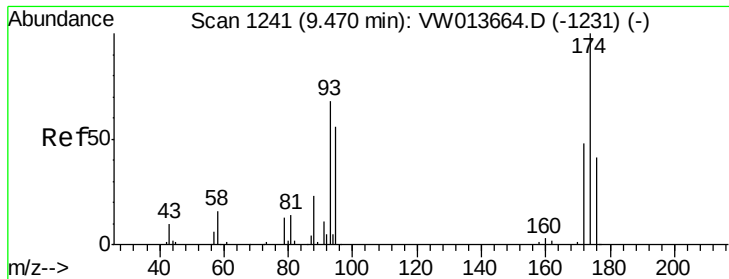
Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	41	Resp:	164752
Ion Ratio	Lower	Upper	
41	100		
69	83.3	67.6	101.4
39	47.9	38.6	58.0





#49

1,4-Dioxane

Concen: 1666.568 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

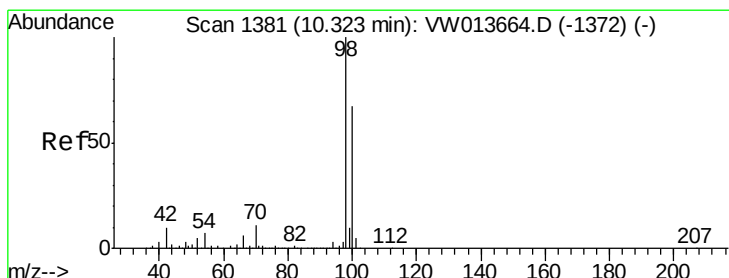
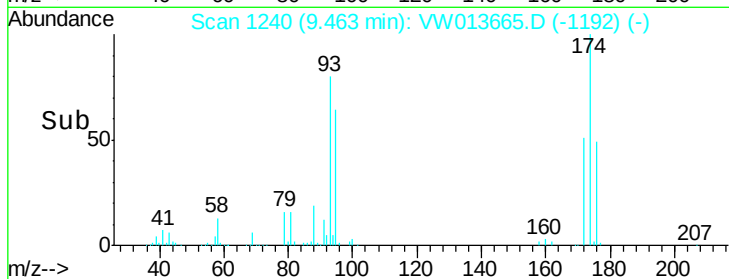
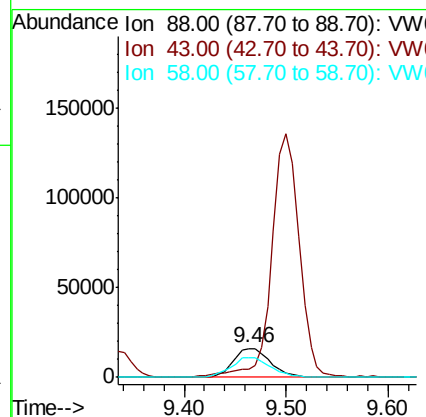
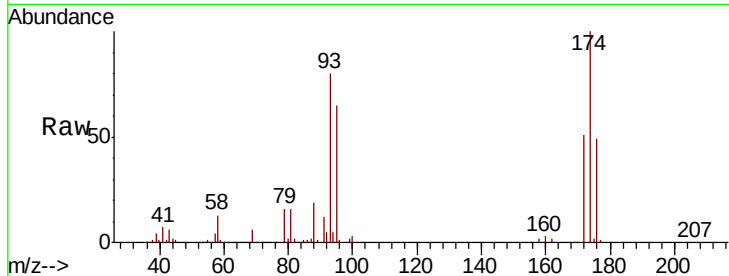
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	40167
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	74.2	58.9	88.3

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#50

Toluene-d8

Concen: 100.233 ug/l

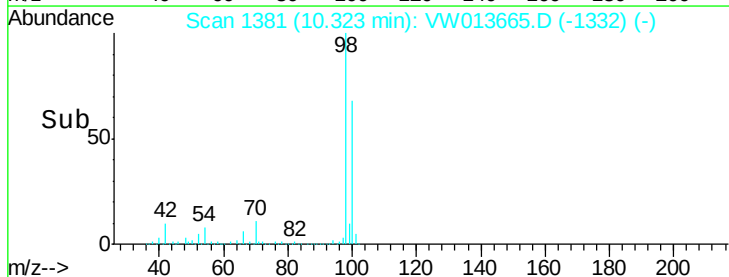
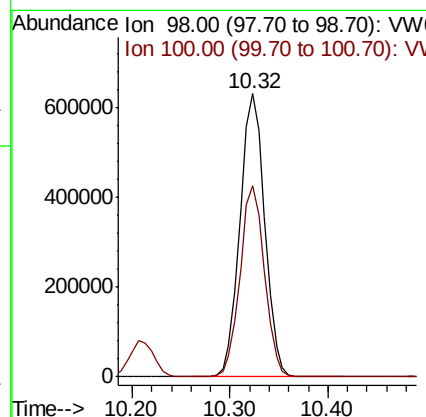
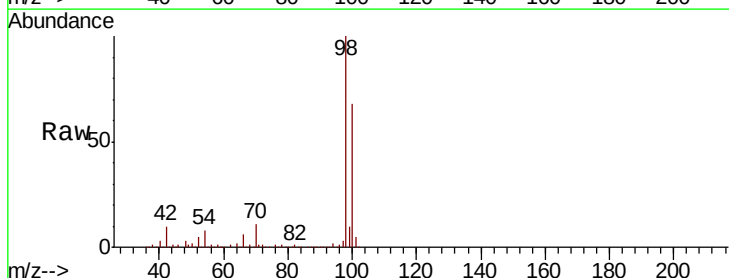
RT: 10.32 min Scan# 1381

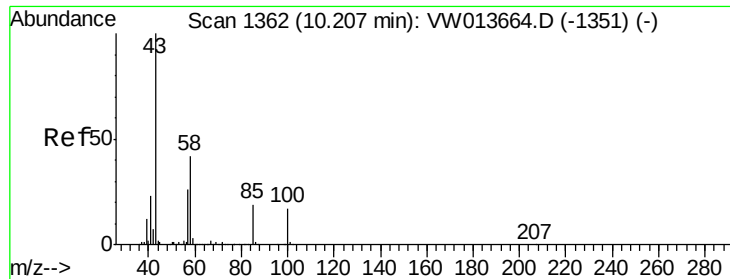
Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	98	Resp:	1107132
Ion Ratio	Lower	Upper	
98	100		
100	66.6	53.4	80.0





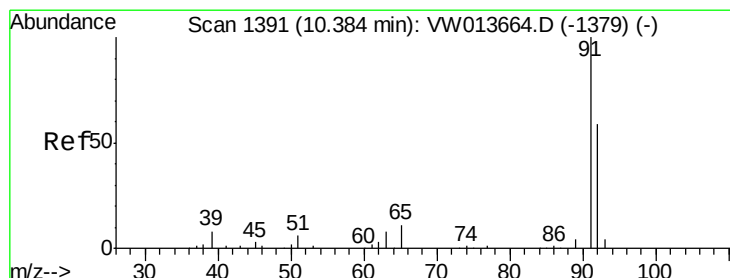
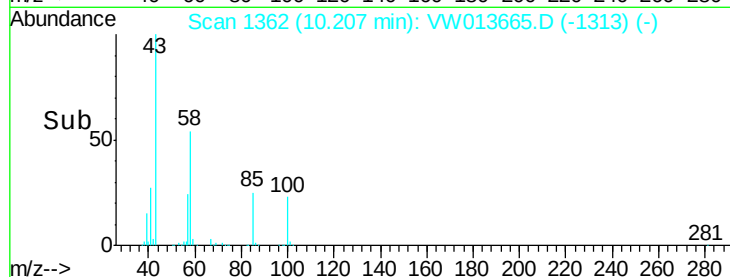
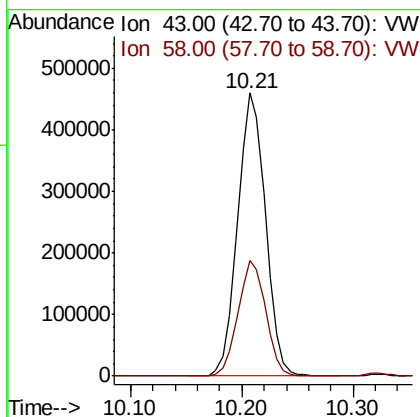
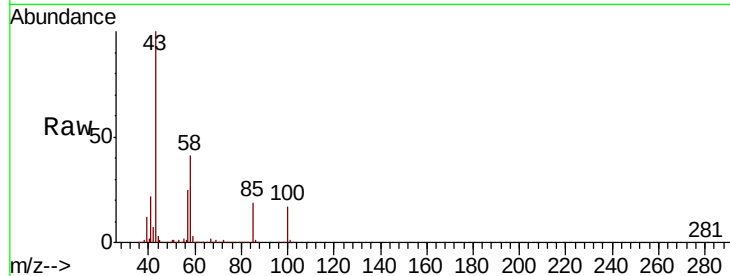
#51
 4-Methyl-2-Pentanone
 Concen: 444.367 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.6	49.0

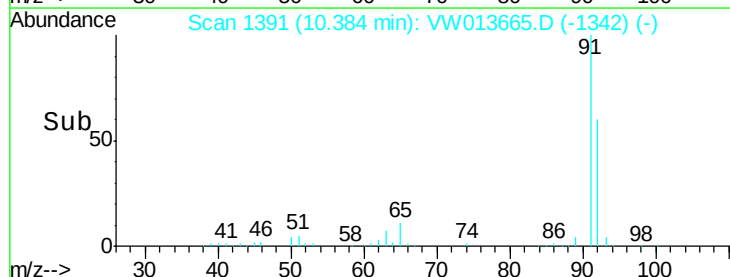
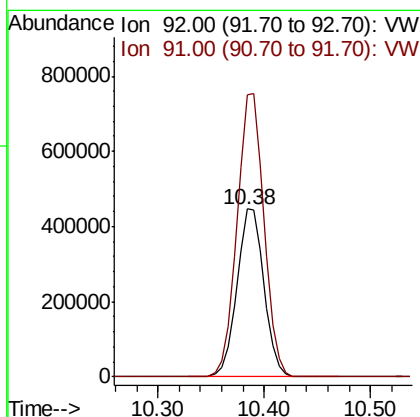
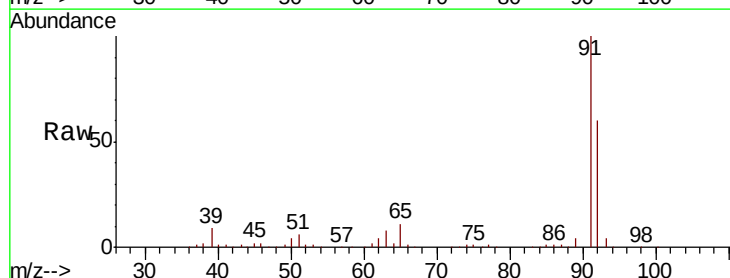
Manual Integrations
 APPROVED

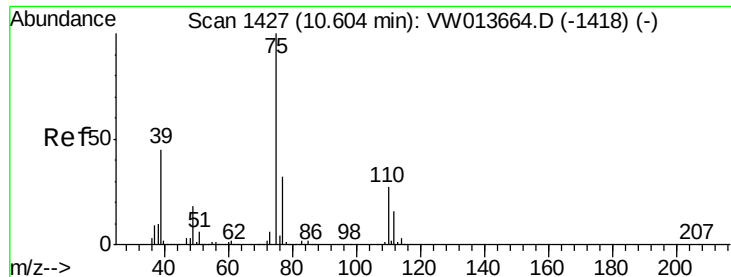
MMDadoda
 10/24/2019 1:26:52 PM



#52
 Toluene
 Concen: 103.627 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.1	134.5	201.7





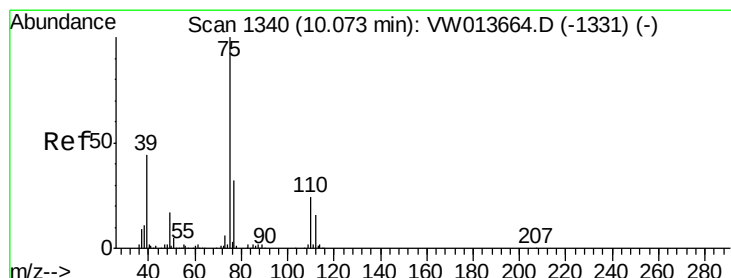
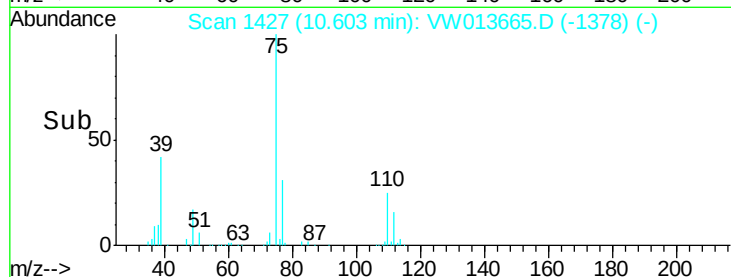
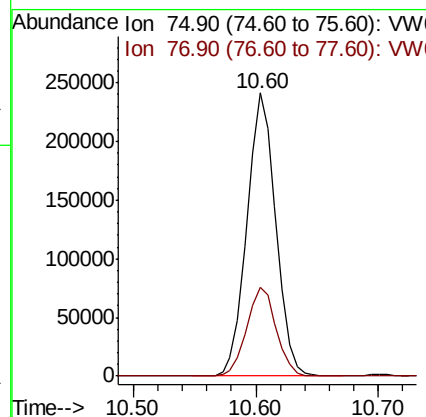
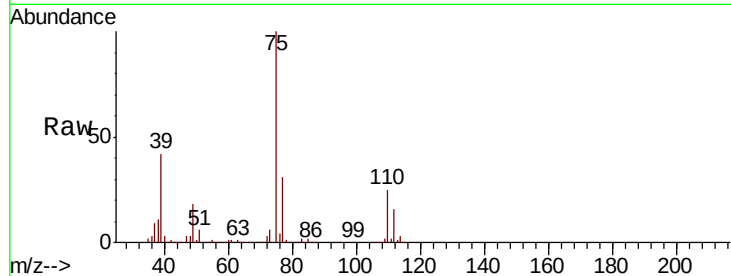
#53
 t-1,3-Dichloropropene
 Concen: 107.700 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

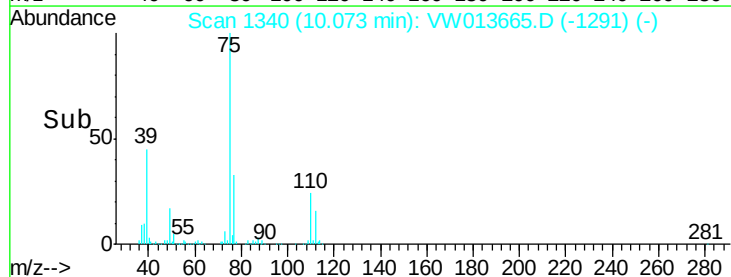
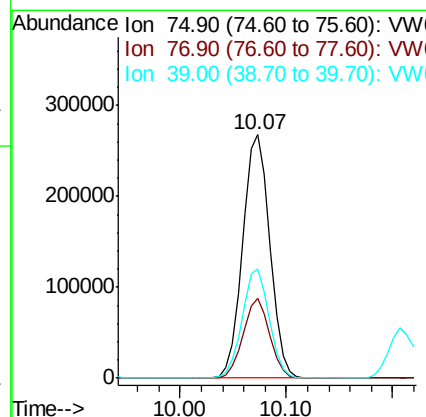
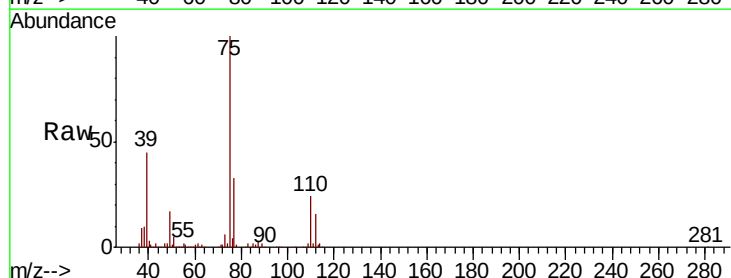
Manual Integrations
 APPROVED

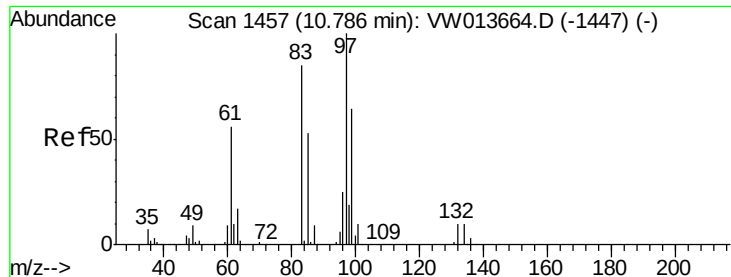
MMDadoda
 10/24/2019 1:26:52 PM



#54
 cis-1,3-Dichloropropene
 Concen: 107.874 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.6
39	44.9	35.3	52.9





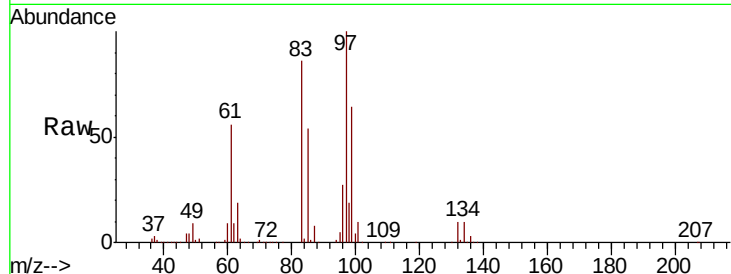
#55
1,1,2-Trichloroethane
Concen: 100.463 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

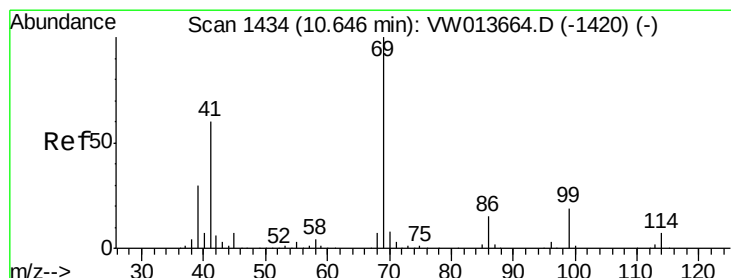
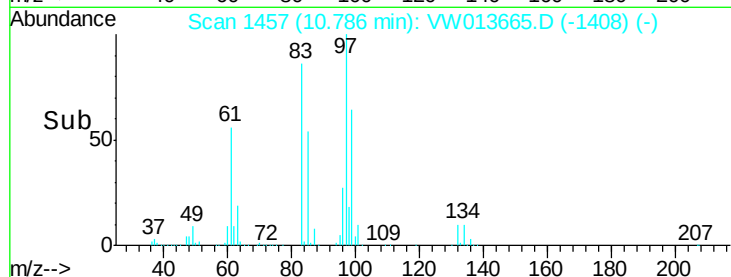
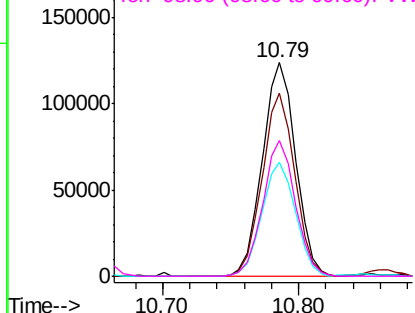
Tot Ion	97	Resp	212934
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.8	101.8
85	53.6	42.1	63.1
99	63.8	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM

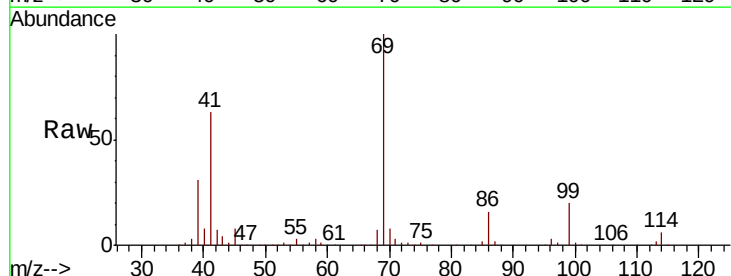


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

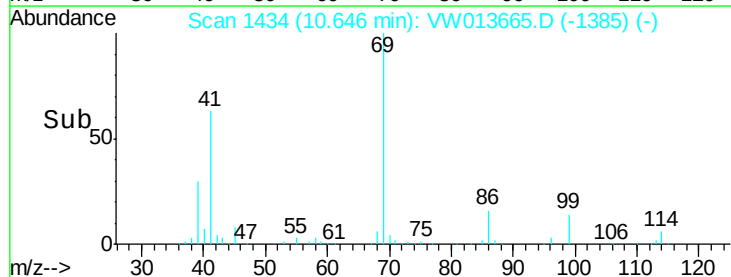
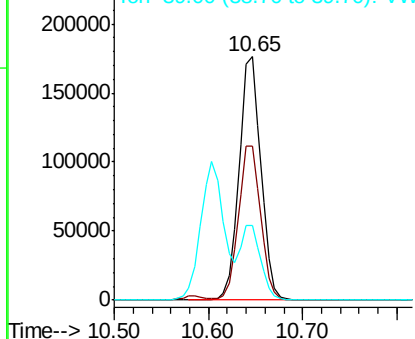


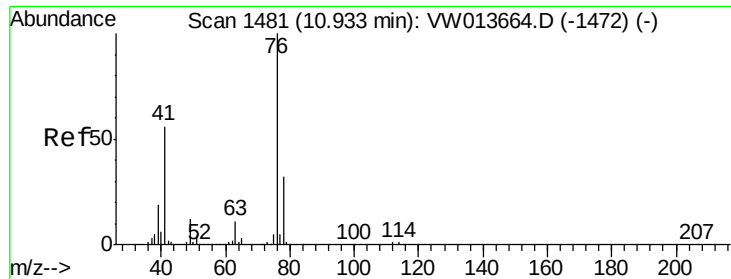
#56
Ethyl methacrylate
Concen: 101.011 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	69	Resp	284717
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.6	77.4
39	28.1	22.4	33.6



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 100.518 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 366334

Ion Ratio Lower Upper

76 100

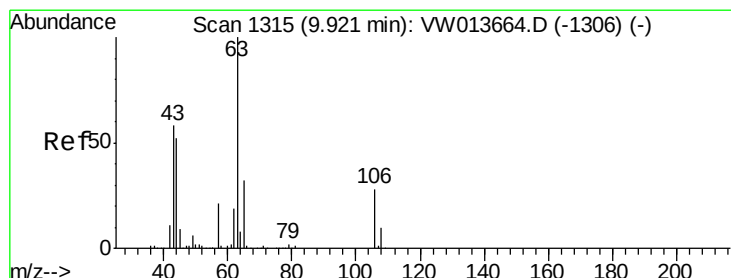
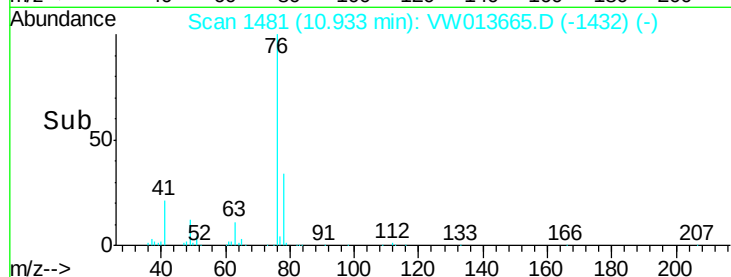
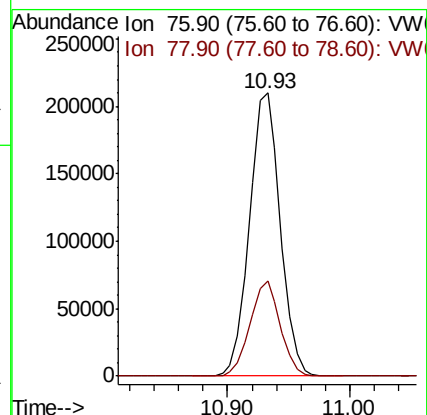
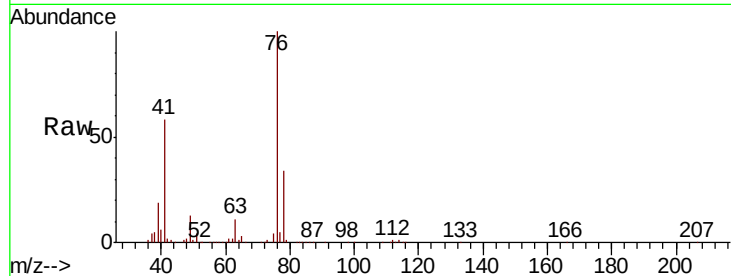
78 33.0 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#58

2-Chloroethyl Vinyl ether

Concen: 495.521 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013665.D

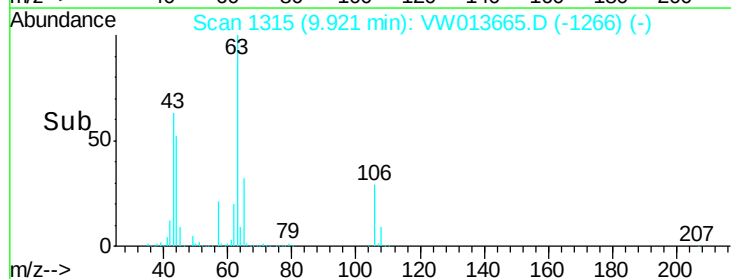
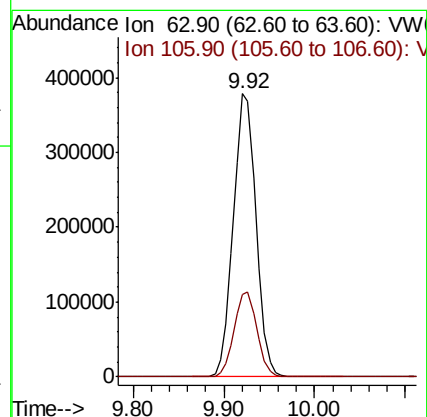
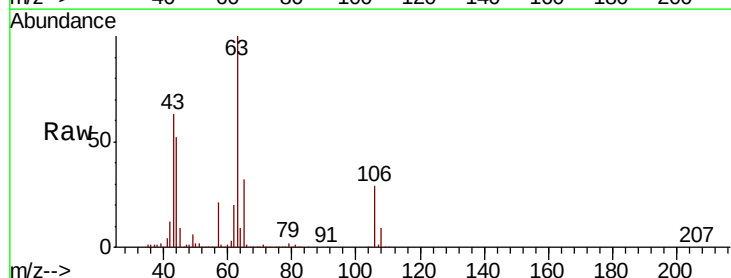
Acq: 23 Oct 2019 13:08

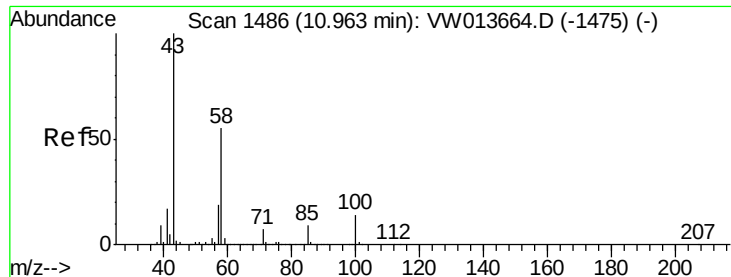
Tgt Ion: 63 Resp: 656751

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8





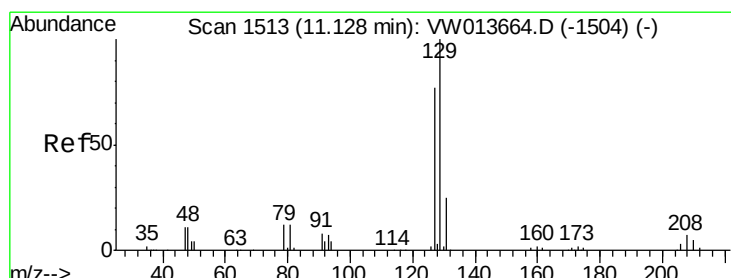
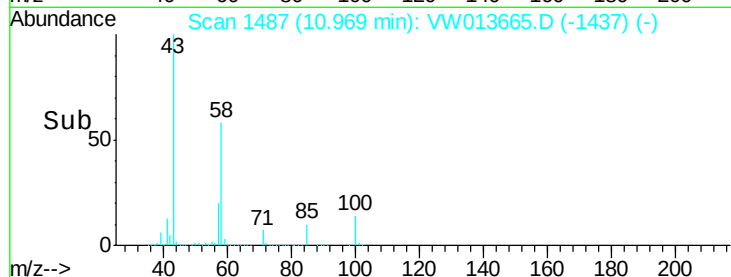
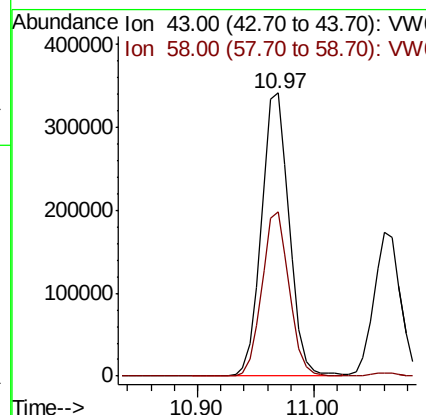
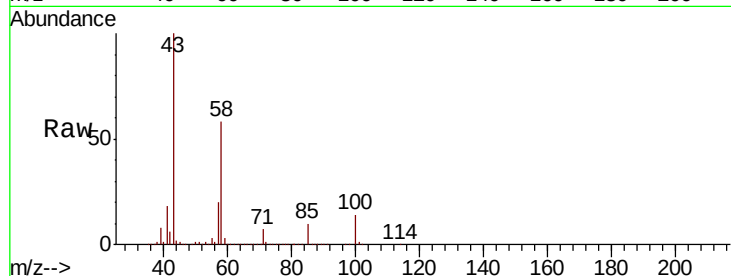
#59
2-Hexanone
Concen: 465.835 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.9	83.7

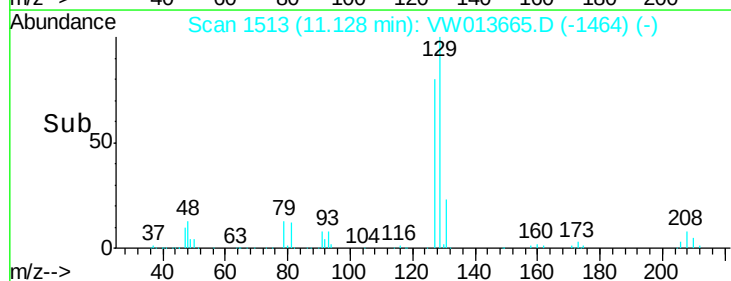
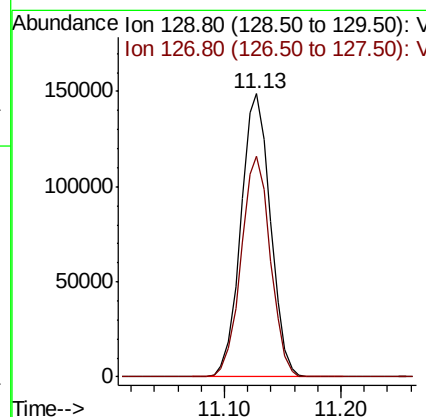
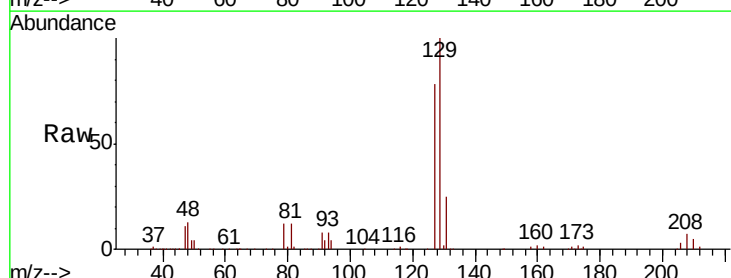
Manual Integrations
APPROVED

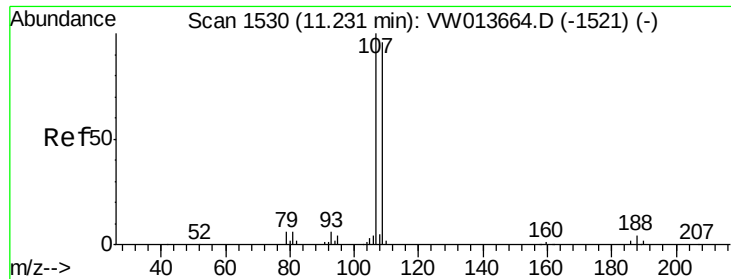
MMDadoda
10/24/2019 1:26:52 PM



#60
Dibromochloromethane
Concen: 107.857 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.9	116.7





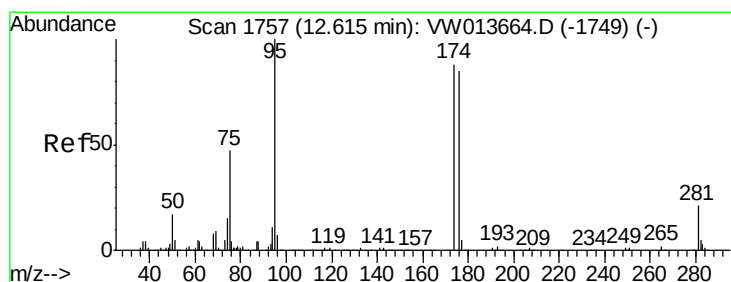
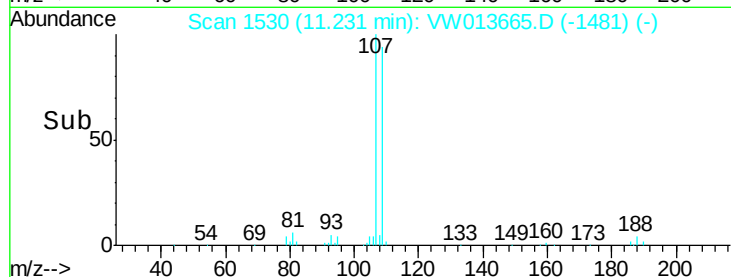
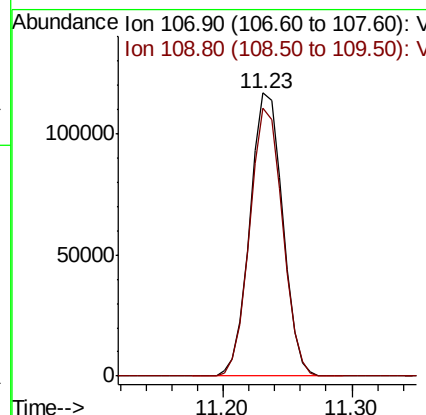
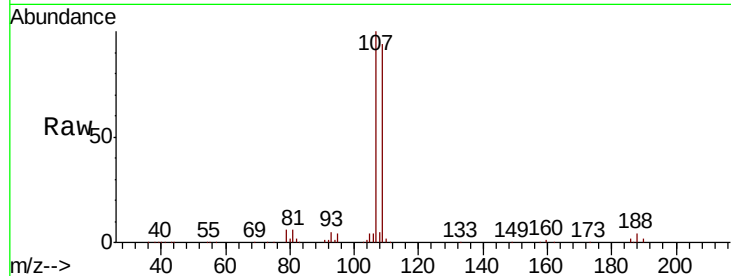
#61
 1,2-Dibromoethane
 Concen: 101.447 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	204655		
109	94.8	75.7	113.5	

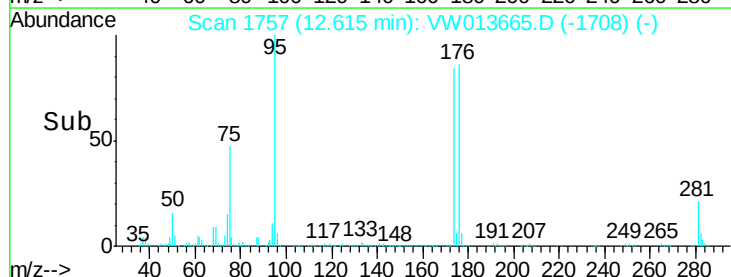
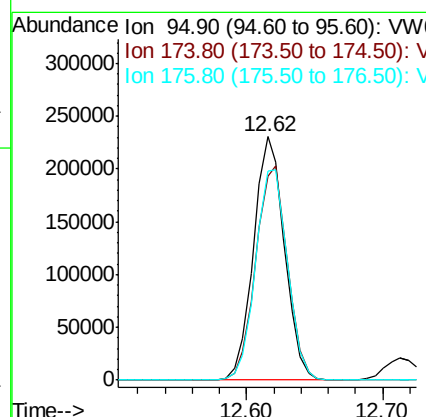
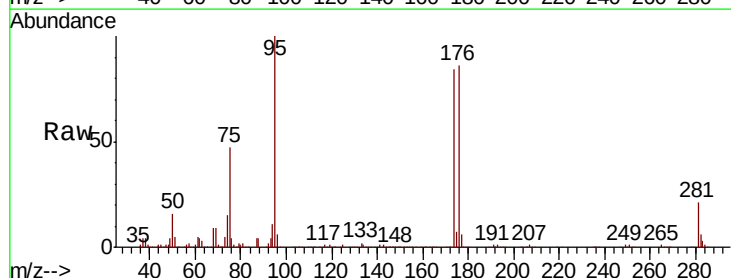
Manual Integrations
 APPROVED

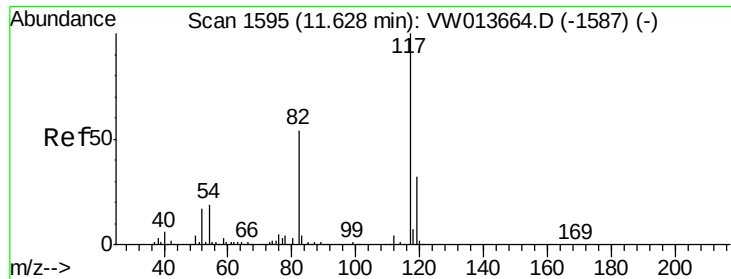
MMDadoda
 10/24/2019 1:26:52 PM



#62
 4-Bromofluorobenzene
 Concen: 99.250 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	368190		
174	90.2	0.0	183.6	
176	89.5	0.0	178.0	





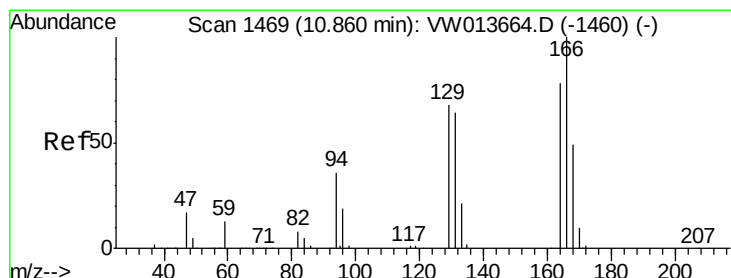
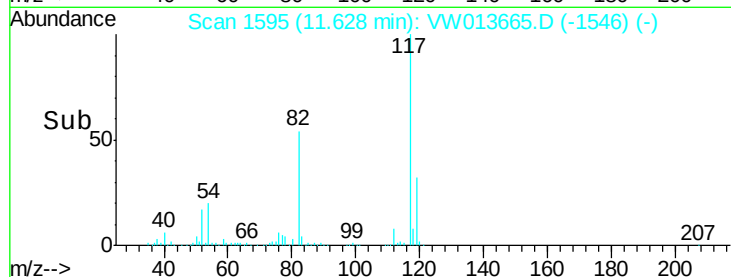
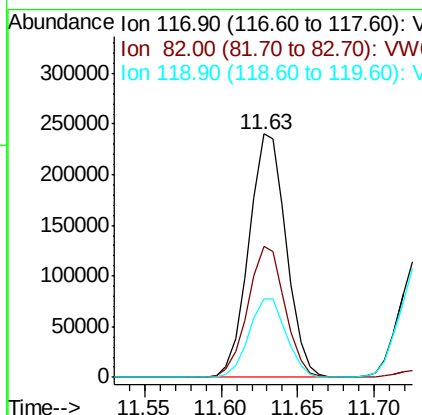
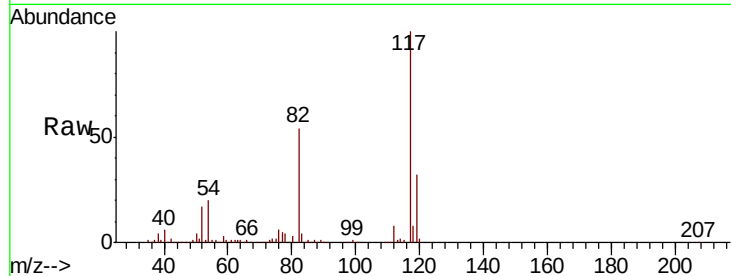
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406627		
82	53.9	43.6	65.4	
119	32.4	25.4	38.2	

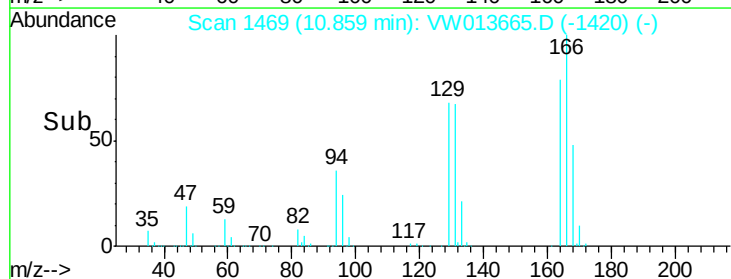
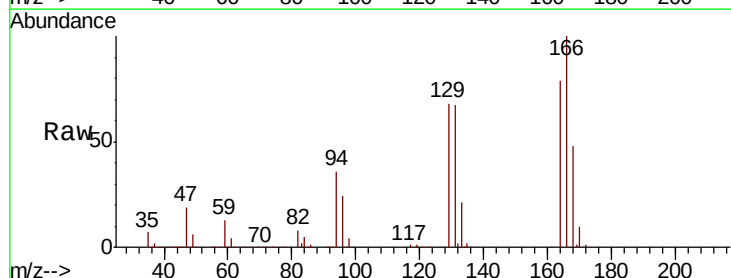
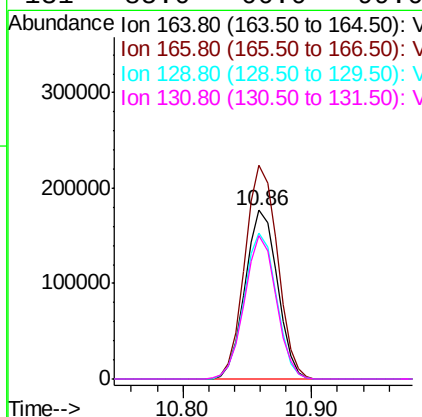
Manual Integrations
APPROVED

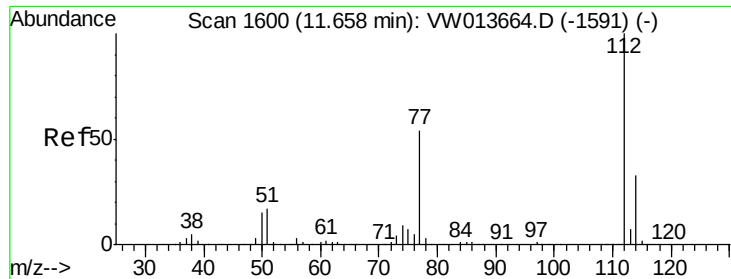
MMDadoda
10/24/2019 1:26:52 PM



#64
Tetrachloroethene
Concen: 101.825 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	306781		
166	126.5	103.2	154.8	
129	86.1	70.6	105.8	
131	85.0	66.0	99.0	





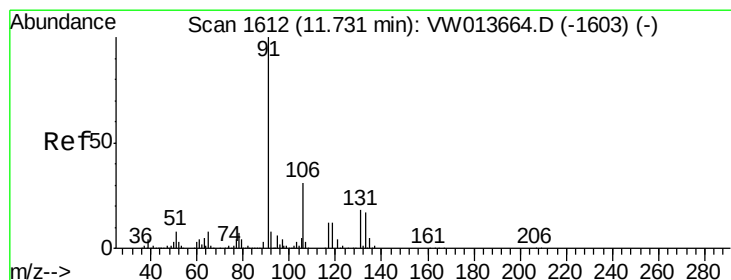
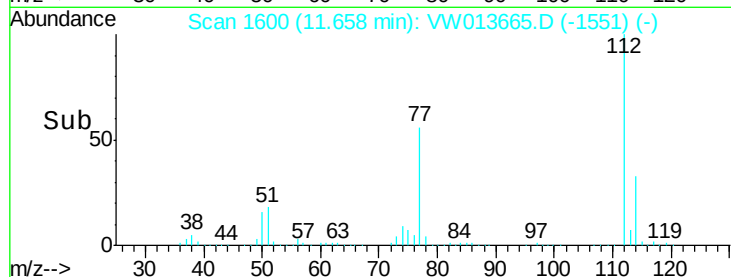
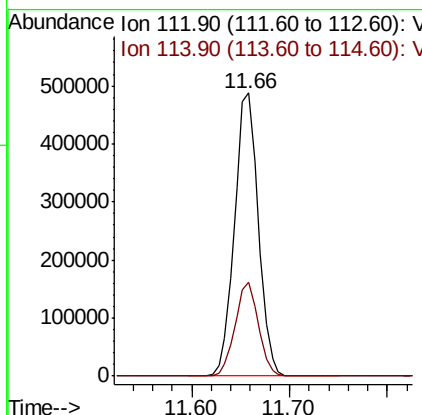
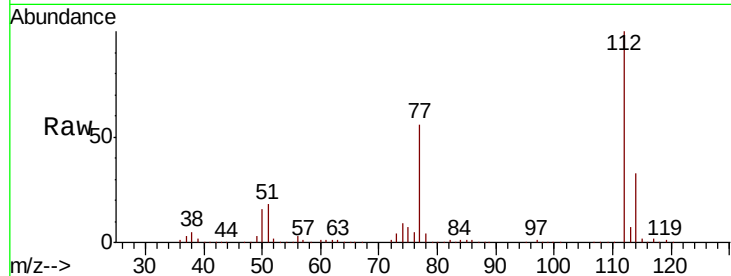
#65
Chlorobenzene
Concen: 101.370 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 823571
Ion Ratio Lower Upper
112 100
114 33.2 26.2 39.4

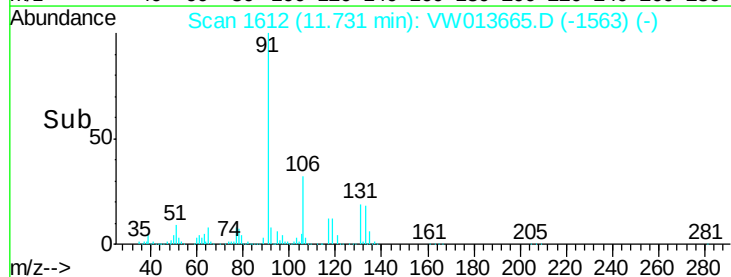
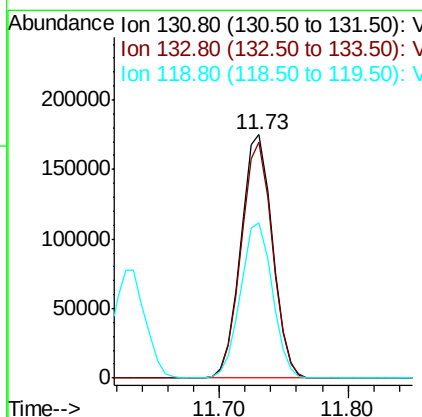
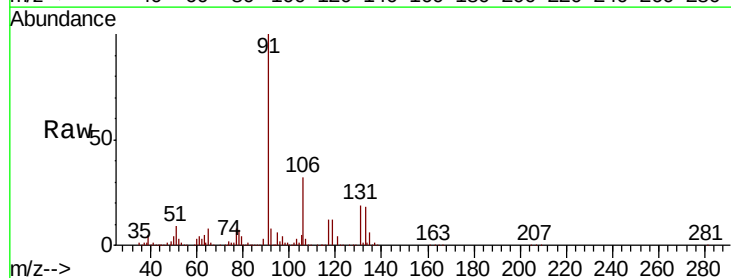
Manual Integrations
APPROVED

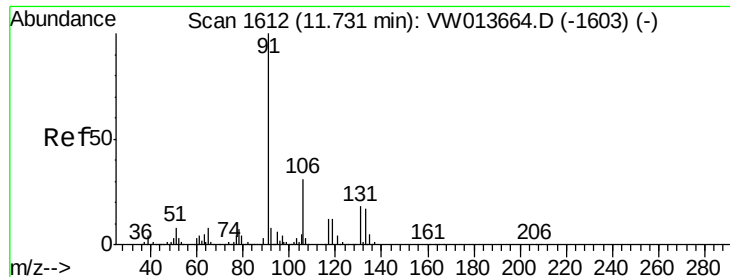
MMDadoda
10/24/2019 1:26:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 104.973 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion:131 Resp: 296965
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.3
119 64.2 33.1 99.2





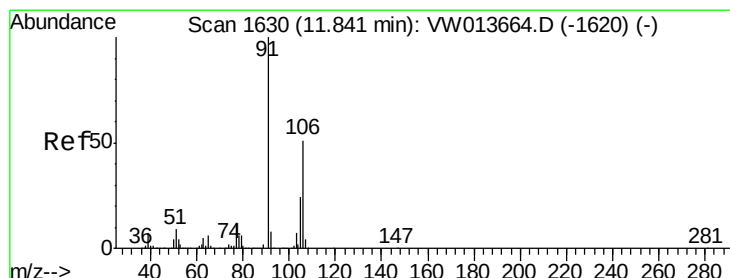
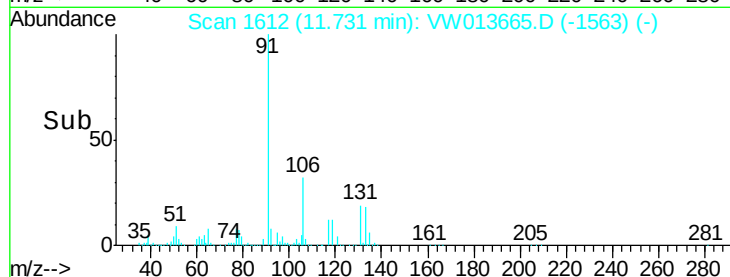
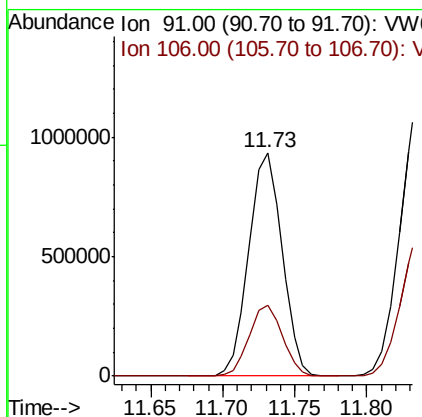
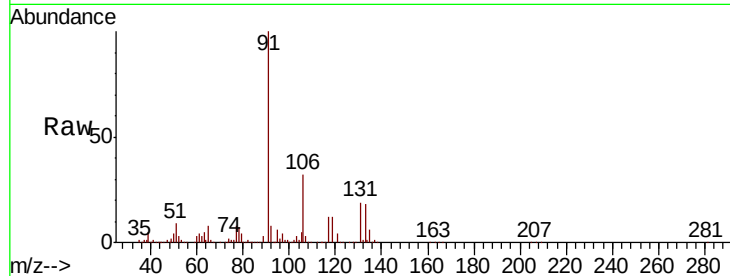
#67
Ethyl Benzene
Concen: 100.690 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1496657
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

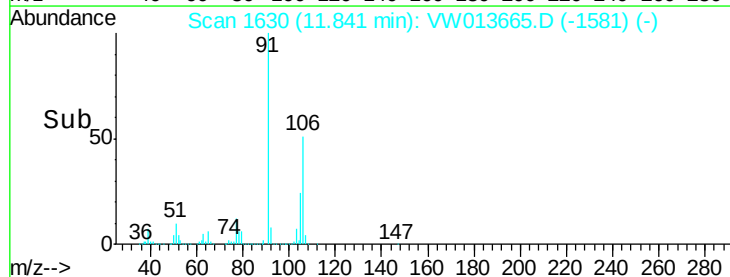
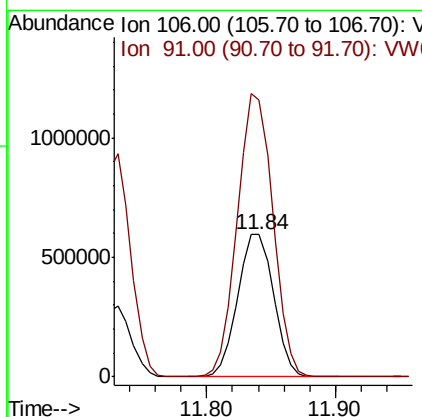
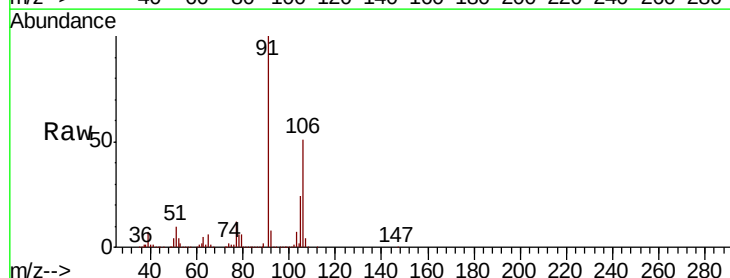
Manual Integrations
APPROVED

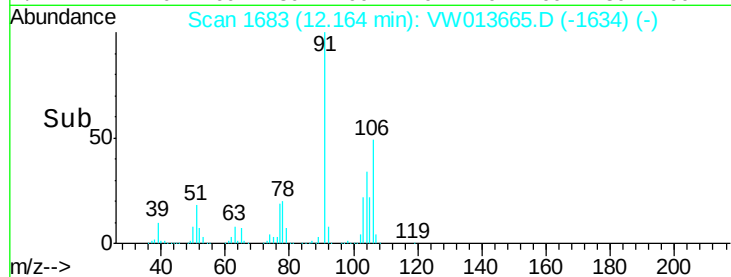
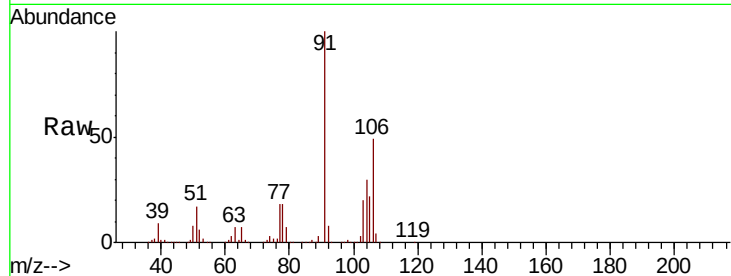
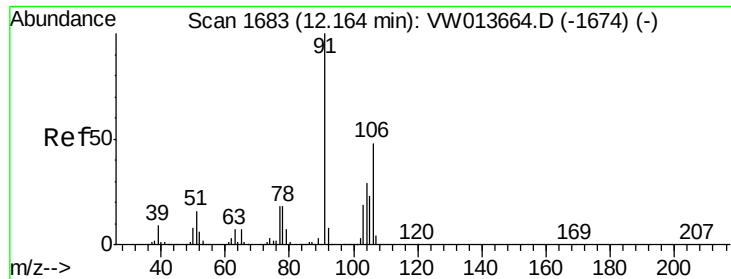
MMDadoda
10/24/2019 1:26:52 PM



#68
m/p-Xylenes
Concen: 203.698 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion: 106 Resp: 1151796
Ion Ratio Lower Upper
106 100
91 196.9 159.2 238.8





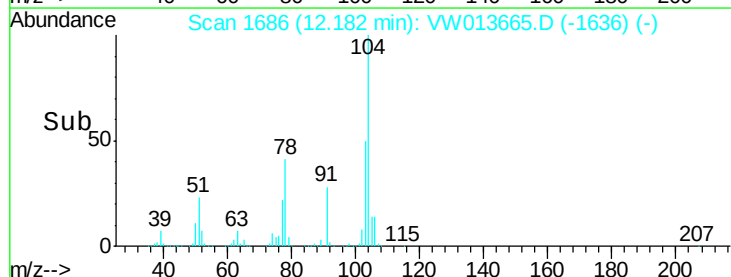
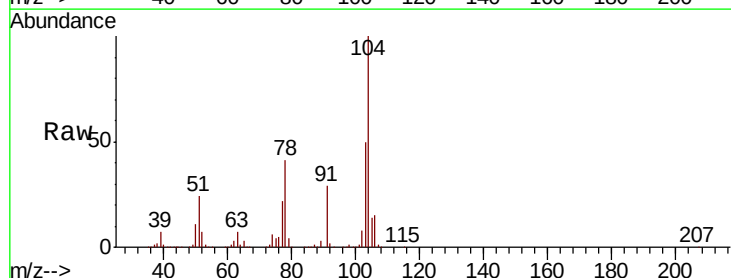
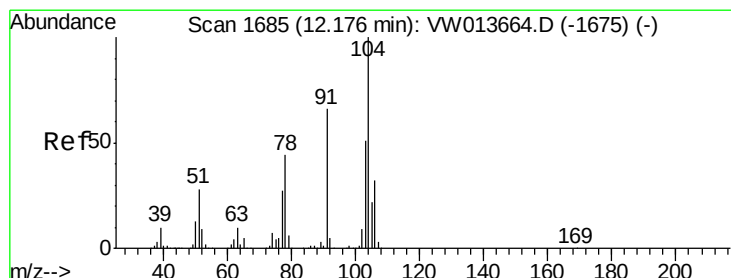
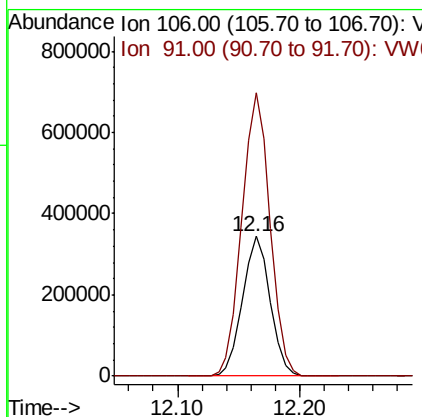
#69
o-Xylene
Concen: 103.136 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	539798		
91	205.7	104.9	314.7	

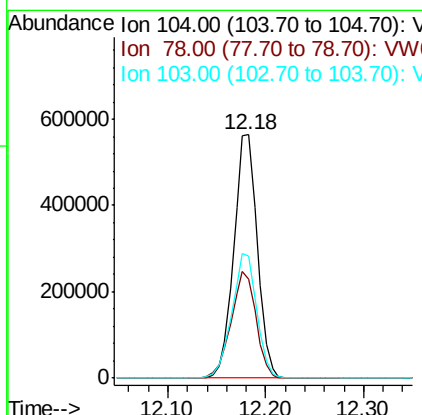
Manual Integrations
APPROVED

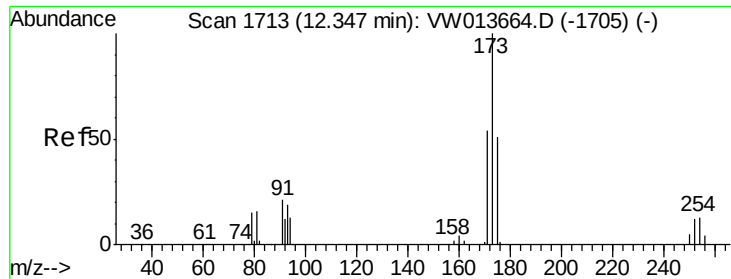
MMDadoda
10/24/2019 1:26:52 PM



#70
Styrene
Concen: 104.440 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	937991		
78	46.5	37.1	55.7	
103	54.1	43.6	65.4	





#71

Bromoform

Concen: 100.595 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 154802

Ion Ratio Lower Upper

173 100

175 49.3 25.2 75.6

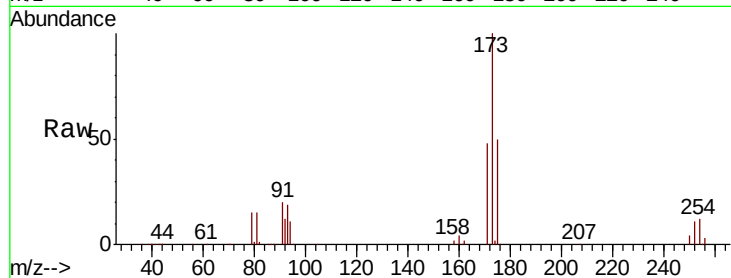
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

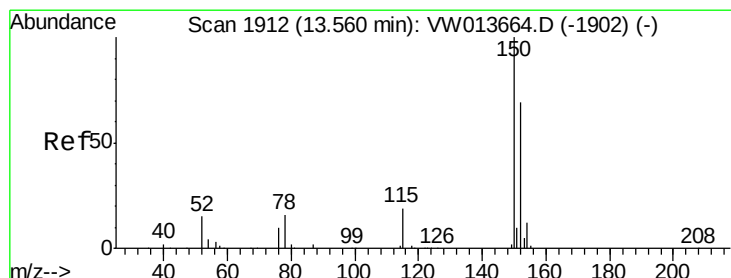
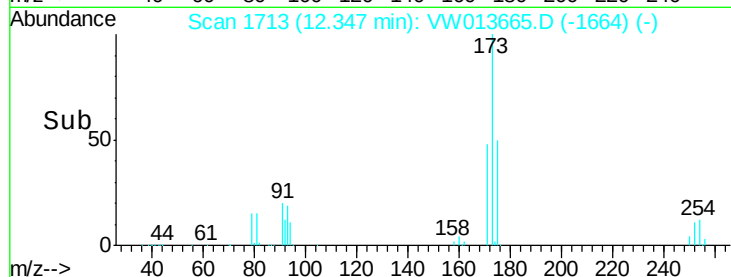
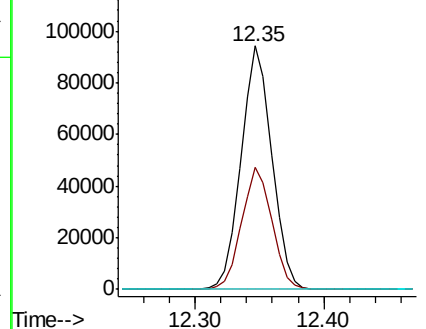
10/24/2019 1:26:52 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

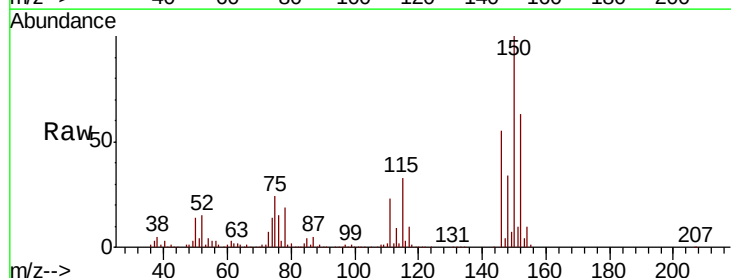
Tgt Ion:152 Resp: 204784

Ion Ratio Lower Upper

152 100

115 53.7 27.4 82.2

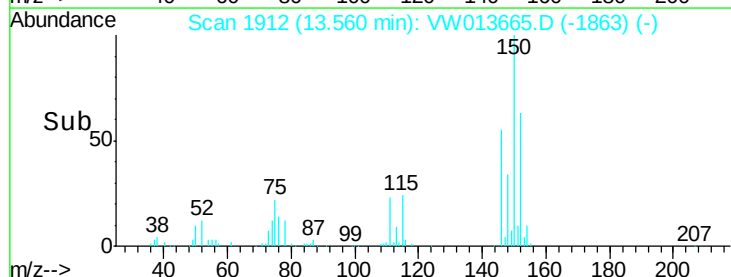
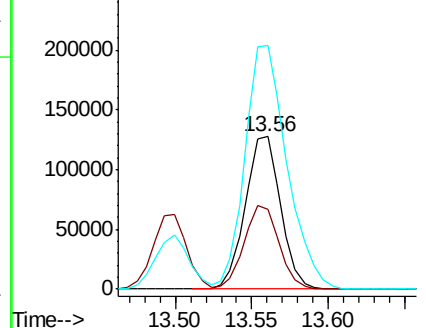
150 189.7 0.0 345.4

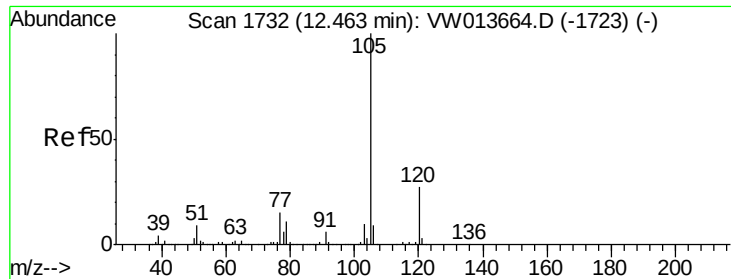


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 101.518 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1492147

Ion Ratio Lower Upper

105 100

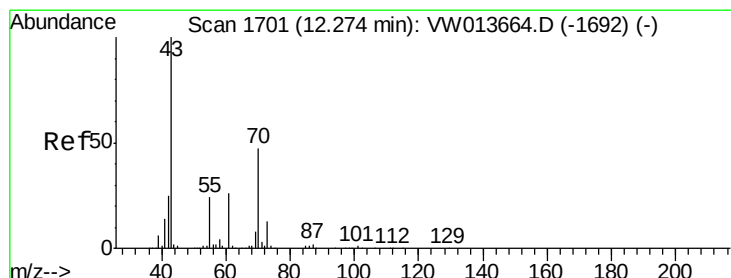
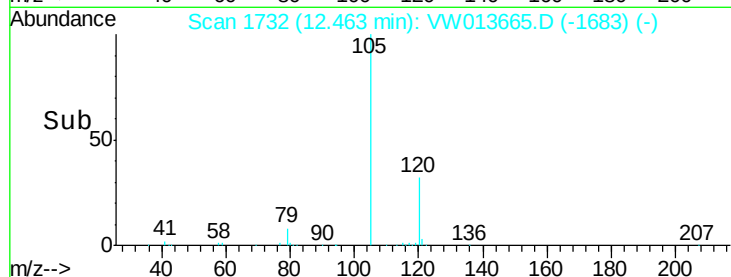
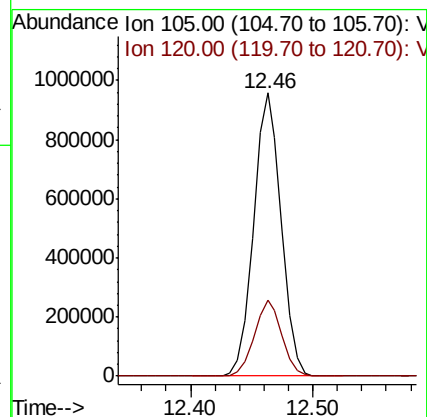
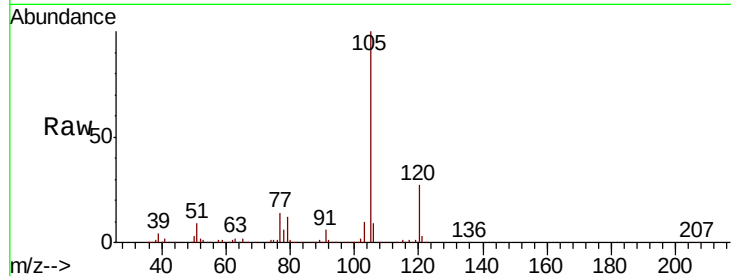
120 26.6 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#74

N-ethyl acetate

Concen: 91.861 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion: 43 Resp: 289916

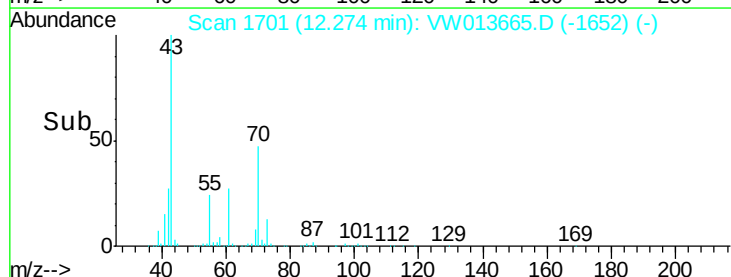
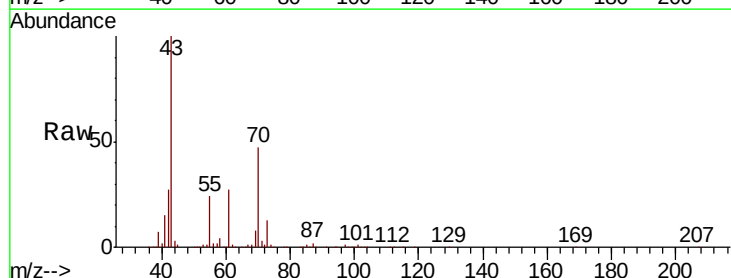
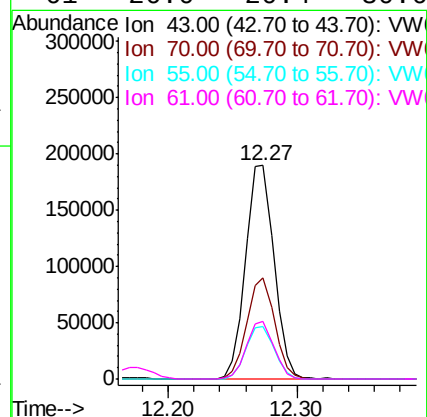
Ion Ratio Lower Upper

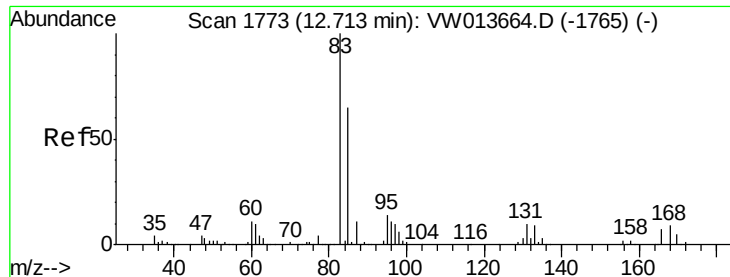
43 100

70 46.1 36.6 55.0

55 24.9 20.3 30.5

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 91.230 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

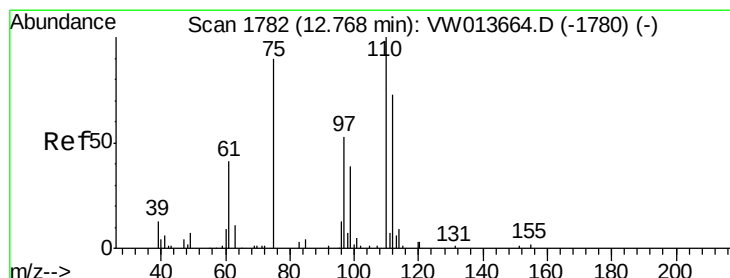
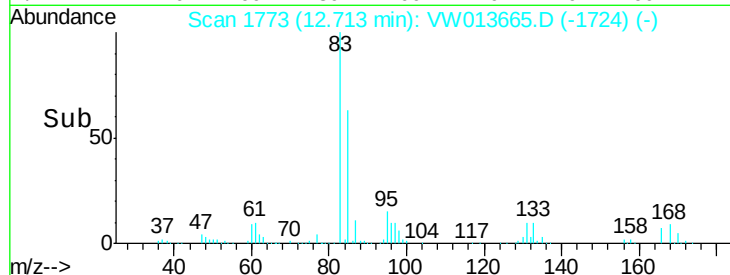
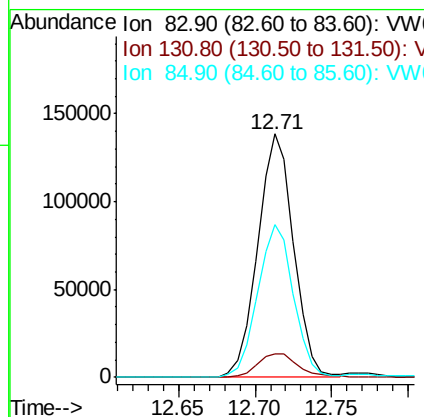
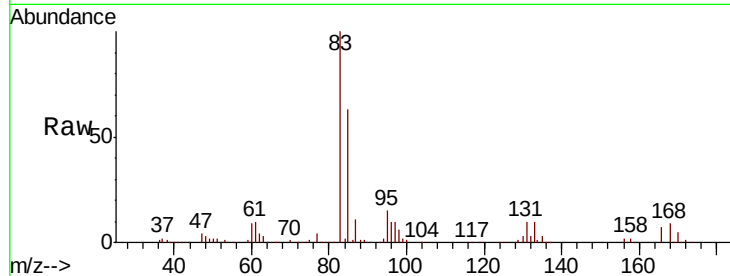
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	225834
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	62.8	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#76

1,2,3-Trichloropropane

Concen: 83.873 ug/l m

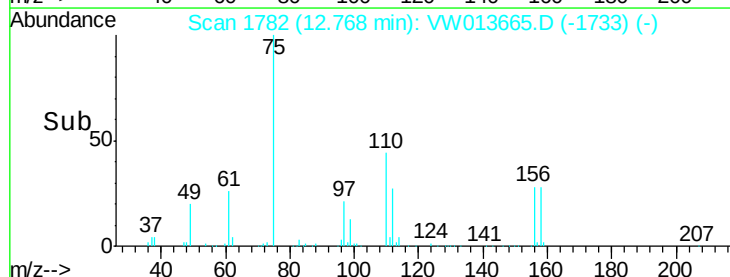
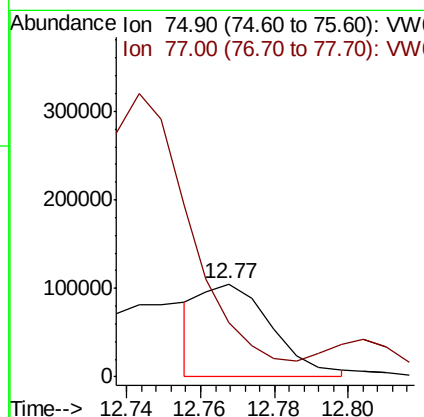
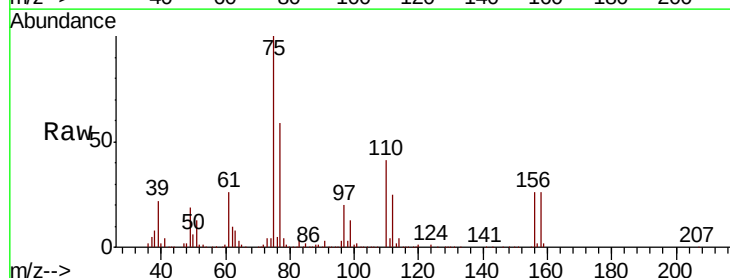
RT: 12.77 min Scan# 1782

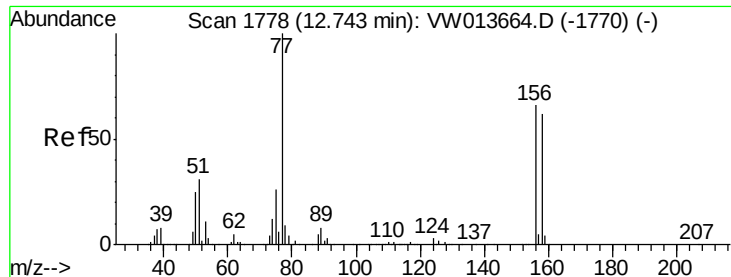
Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	75	Resp:	141115
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 100.019 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

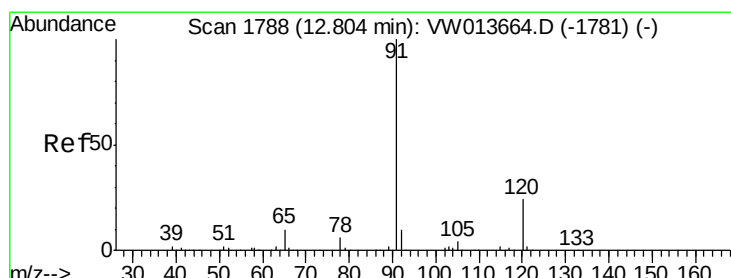
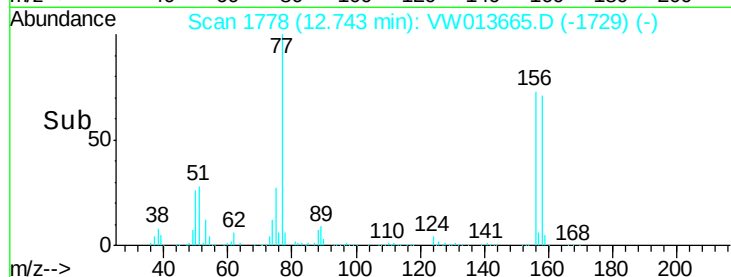
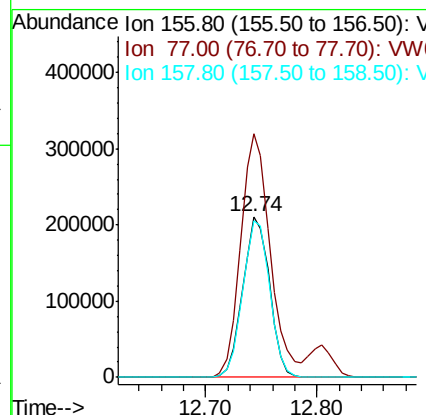
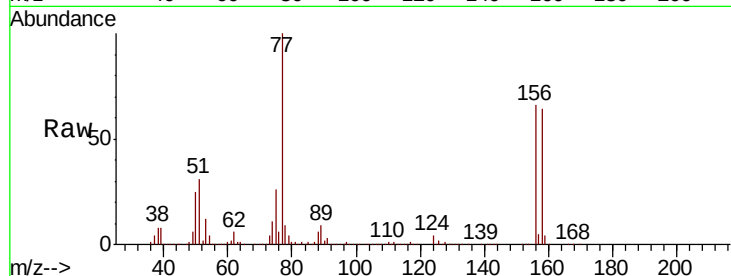
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	349592
Ion Ratio	Lower	Upper	
156	100		
77	167.4	82.9	248.7
158	98.5	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#78

n-propylbenzene

Concen: 99.785 ug/l

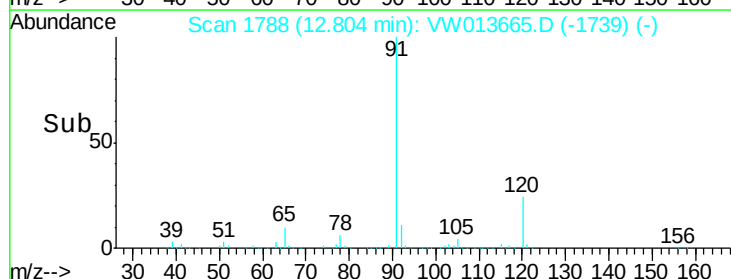
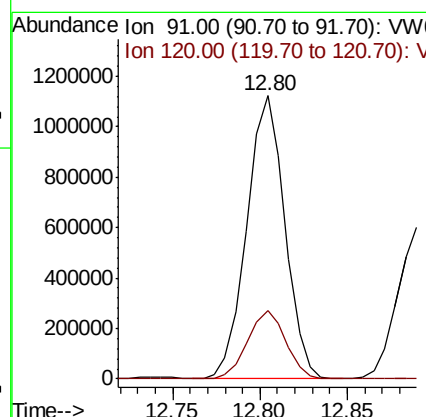
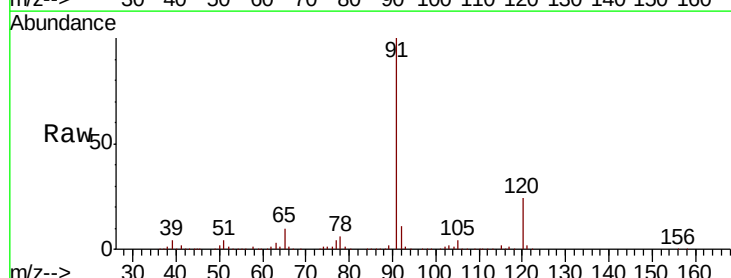
RT: 12.80 min Scan# 1788

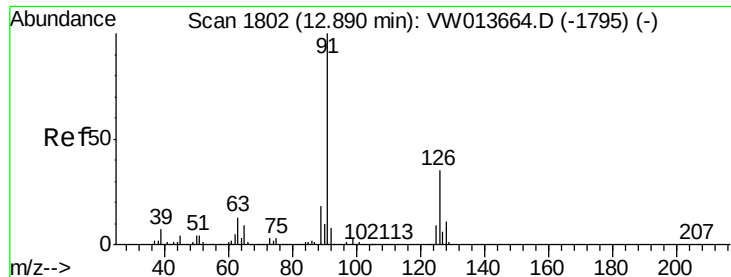
Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Tgt Ion:	91	Resp:	1696749
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 100.304 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013665.D

Acq: 23 Oct 2019 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 957289

Ion Ratio Lower Upper

91 100

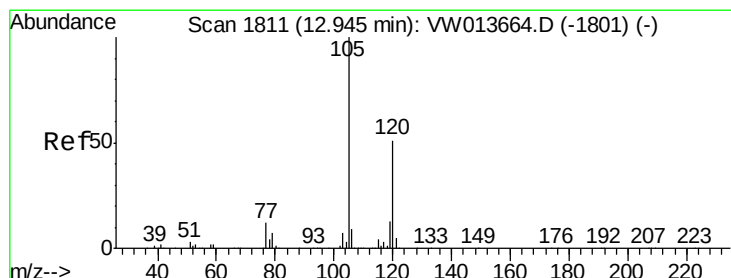
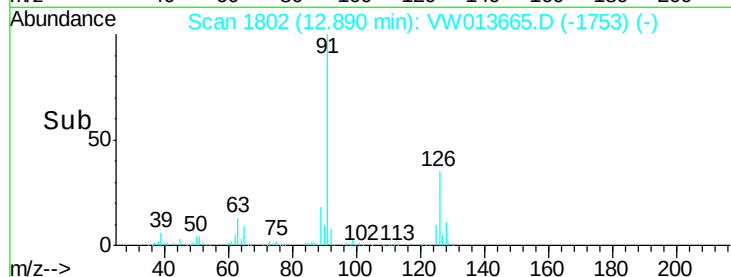
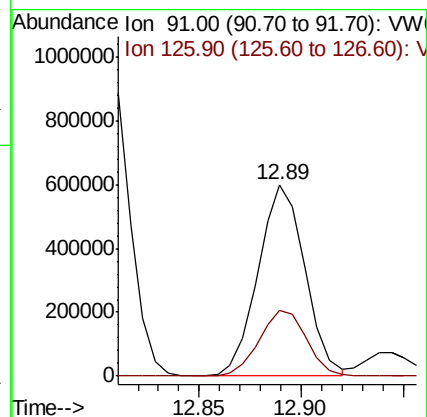
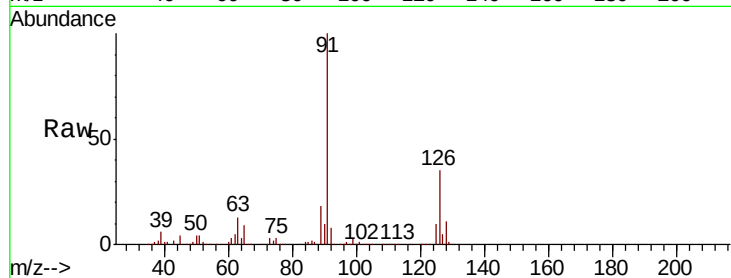
126 35.0 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

10/24/2019 1:26:52 PM



#80

1,3,5-Trimethylbenzene

Concen: 99.761 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013665.D

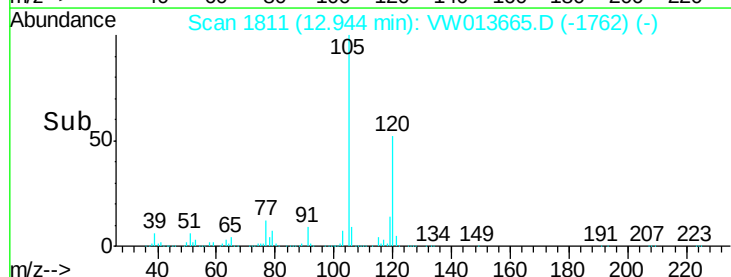
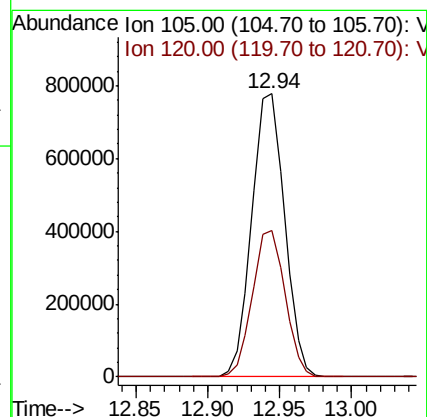
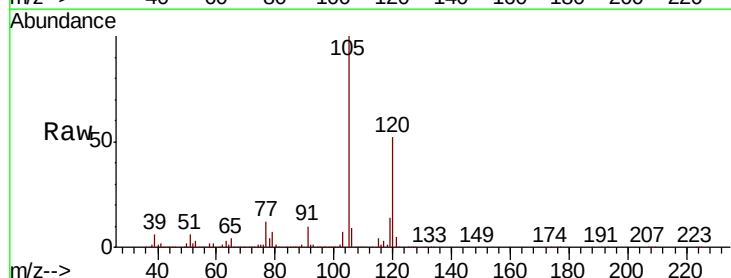
Acq: 23 Oct 2019 13:08

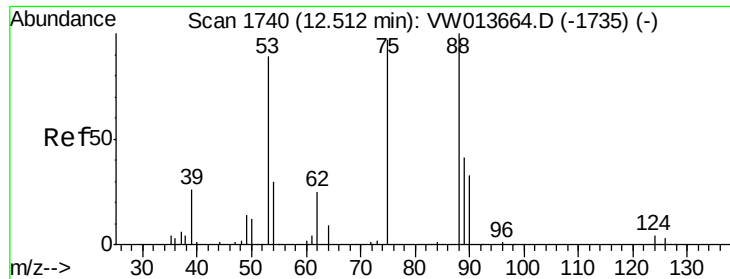
Tgt Ion:105 Resp: 1224277

Ion Ratio Lower Upper

105 100

120 51.3 25.1 75.3





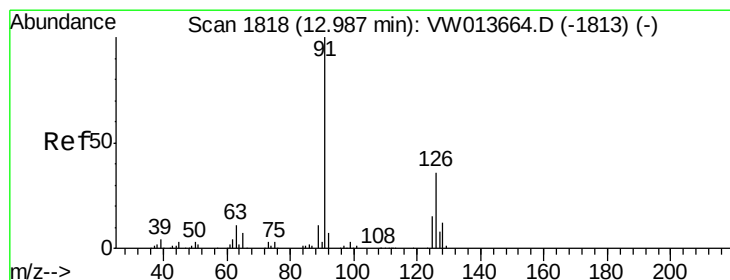
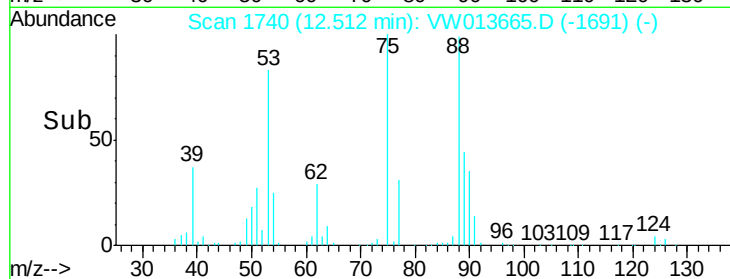
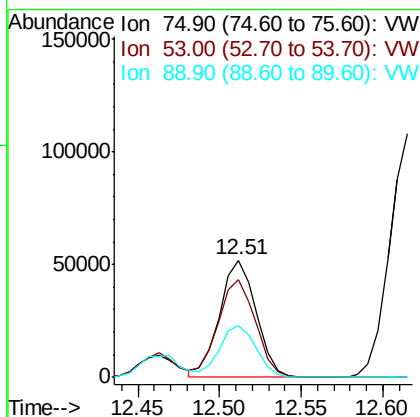
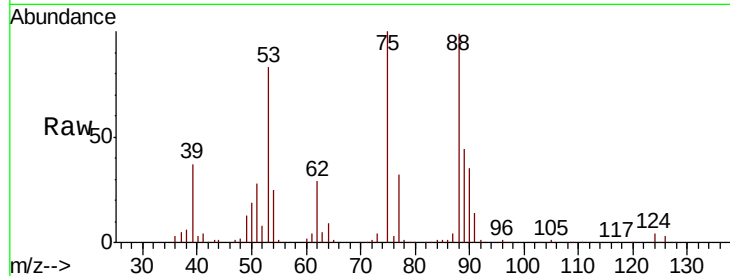
#81
trans-1,4-Dichloro-2-butene
Concen: 98.217 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.6	71.7	107.5
89	44.0	35.8	53.8

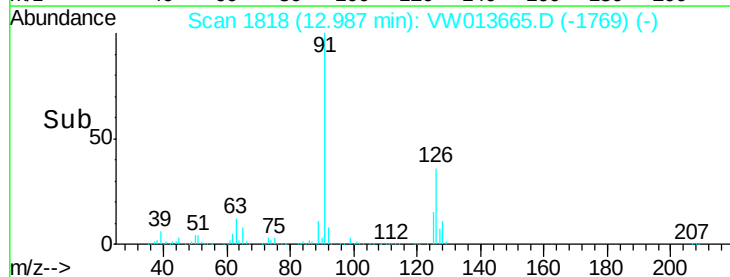
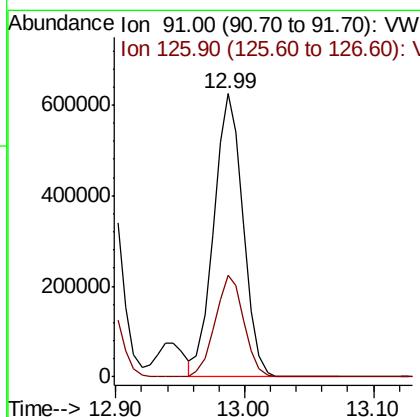
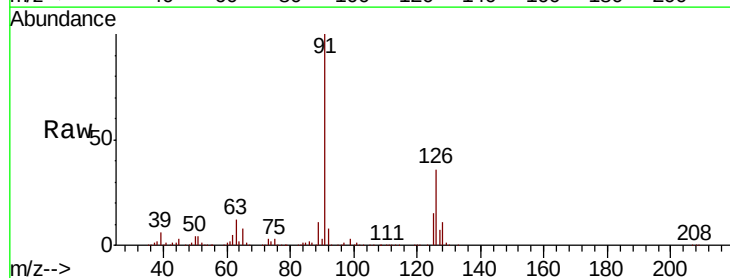
Manual Integrations
APPROVED

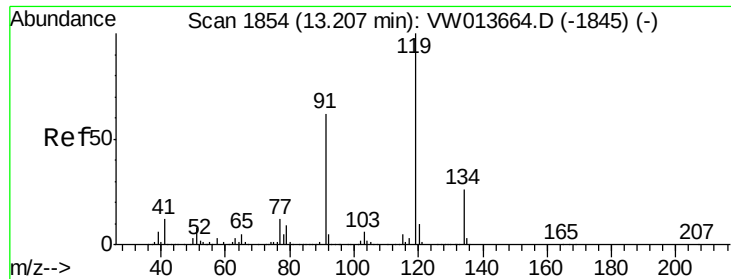
MMDadoda
10/24/2019 1:26:52 PM



#82
4-Chlorotoluene
Concen: 100.187 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.2	51.5





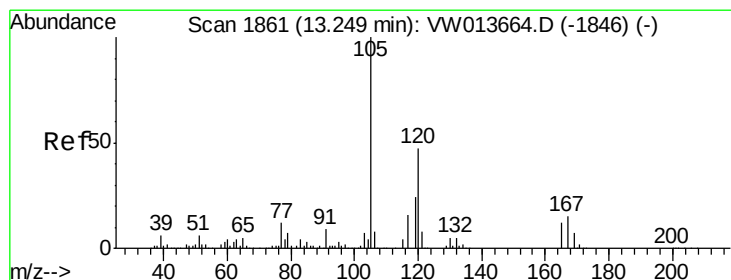
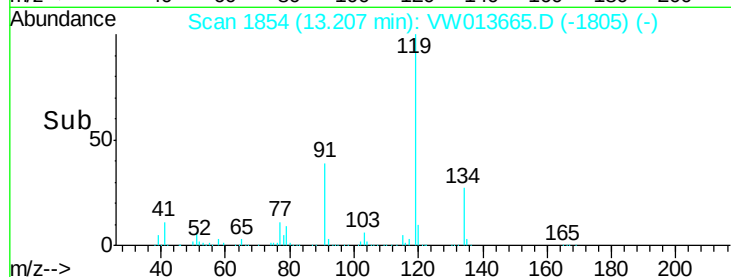
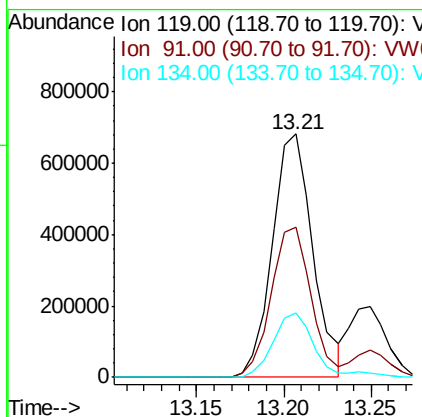
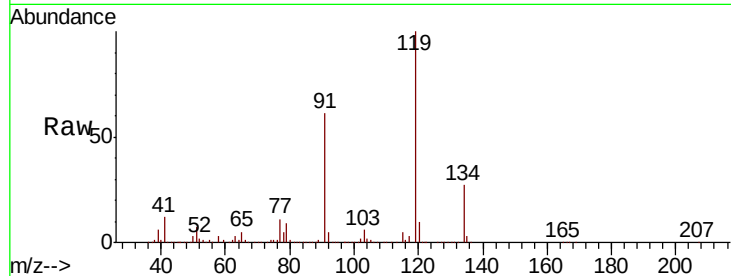
#83
 tert-Butylbenzene
 Concen: 100.973 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1100346
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.4 91.3
 134 27.5 13.6 40.8

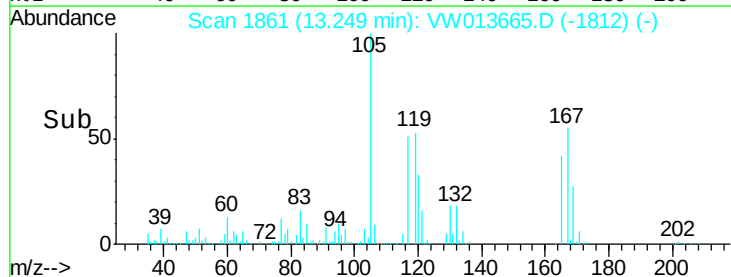
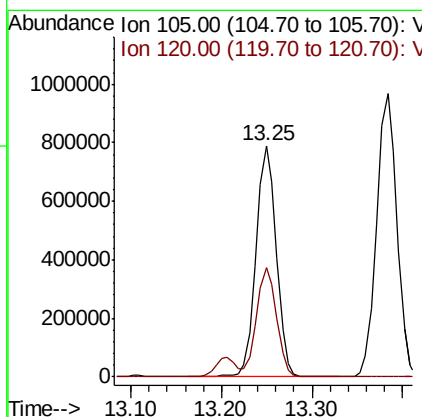
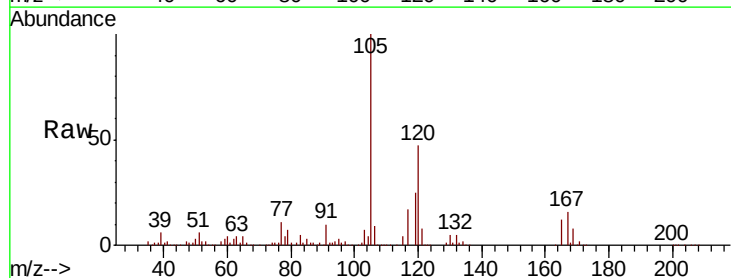
Manual Integrations
 APPROVED

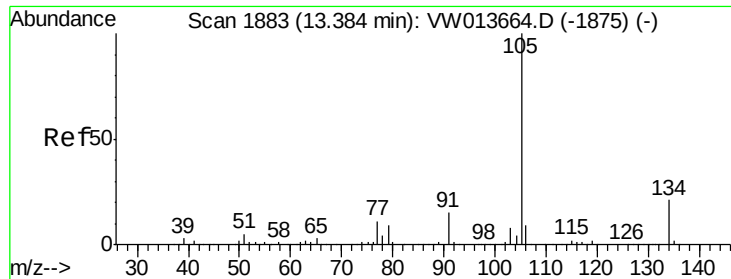
MMDadoda
 10/24/2019 1:26:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 100.623 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion:105 Resp: 1221311
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.5 70.5





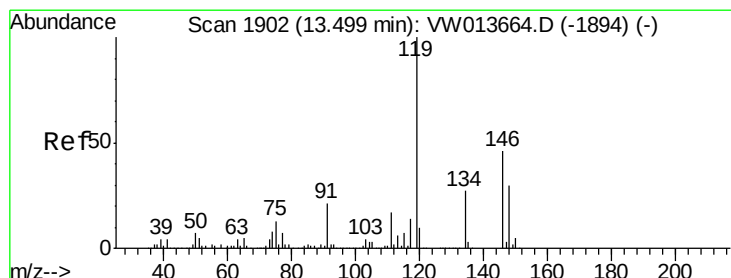
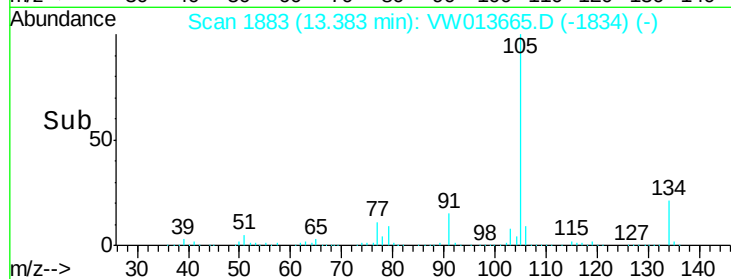
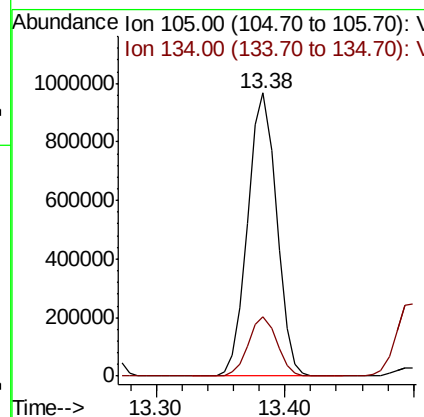
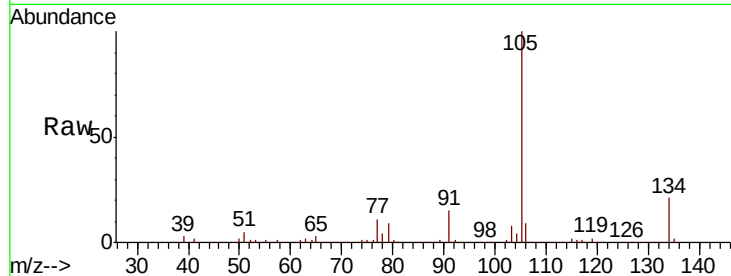
#85
 sec-Butylbenzene
 Concen: 99.871 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC100

Tot Ion:105 Resp: 1498102
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5

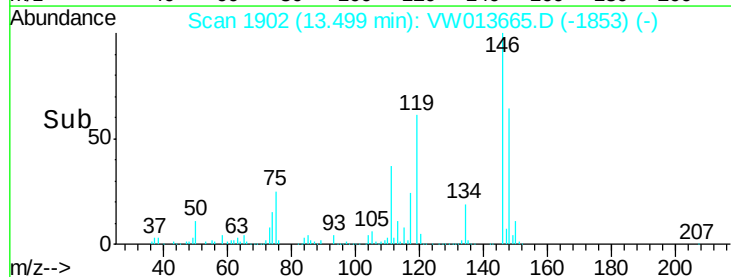
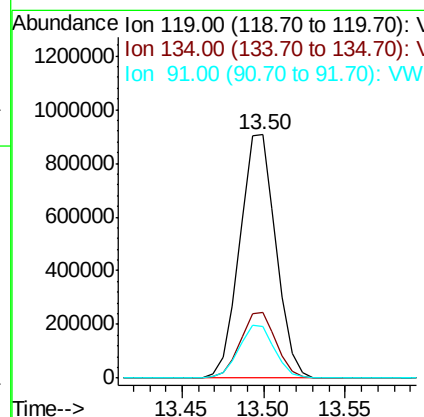
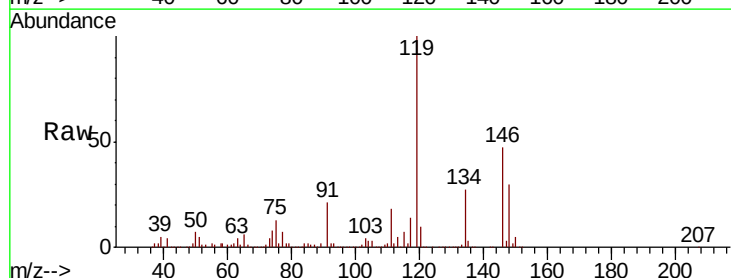
Manual Integrations
 APPROVED

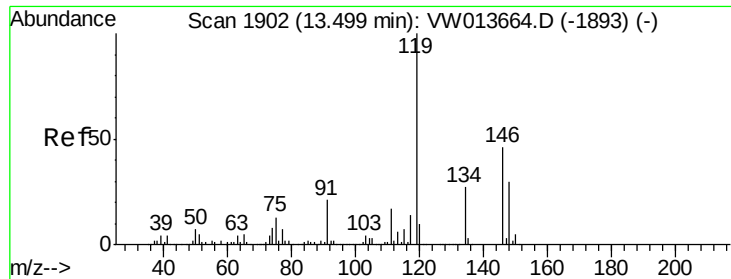
MMDadoda
 10/24/2019 1:26:52 PM



#86
 p-Isopropyltoluene
 Concen: 101.165 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion:119 Resp: 1397768
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 21.3 10.8 32.3





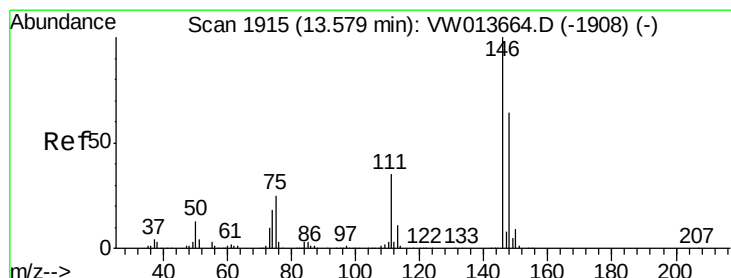
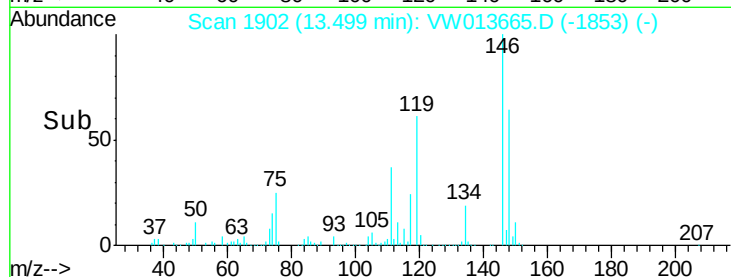
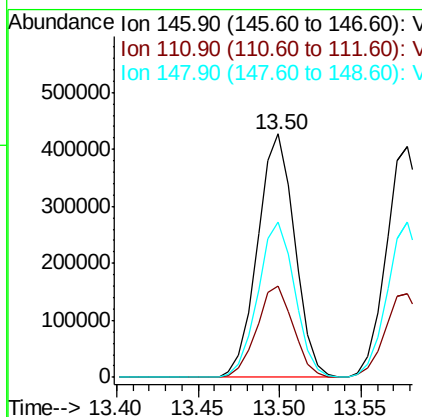
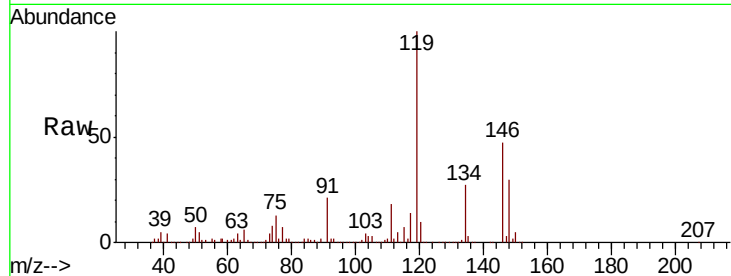
#87
 1,3-Dichlorobenzene
 Concen: 101.789 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	56.0
148	63.5	31.7	95.1

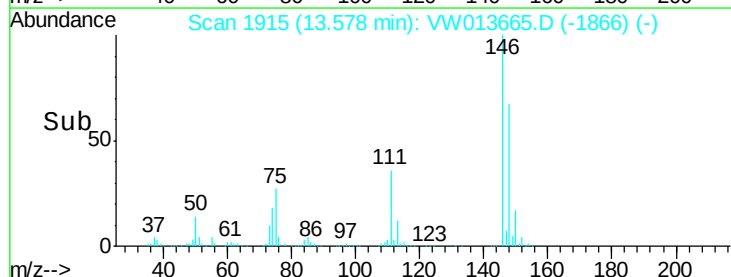
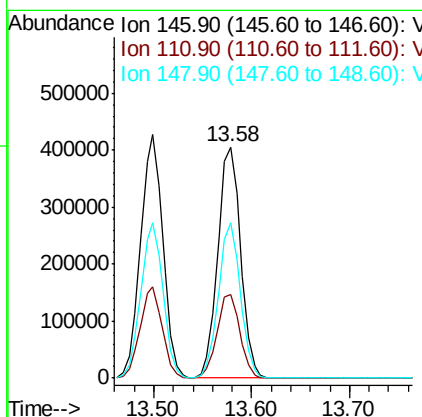
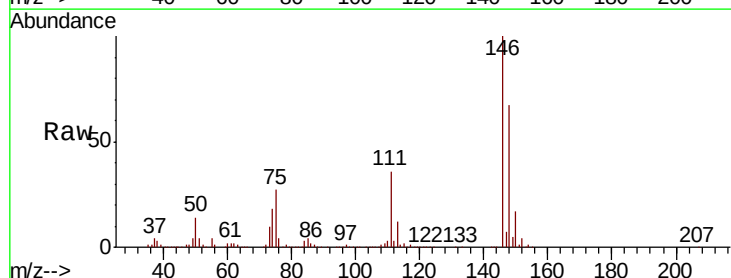
Manual Integrations
 APPROVED

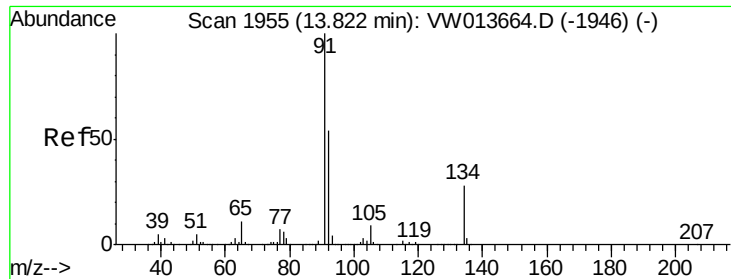
MMDadoda
 10/24/2019 1:26:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 100.669 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.3
148	64.8	32.0	96.2





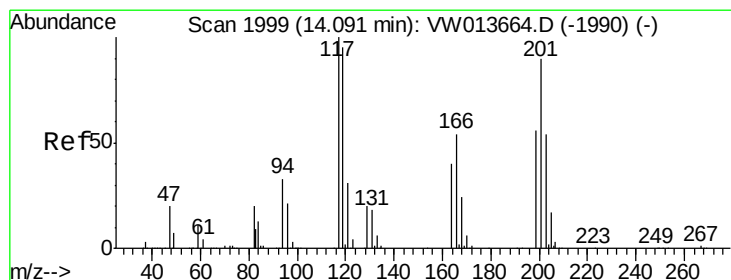
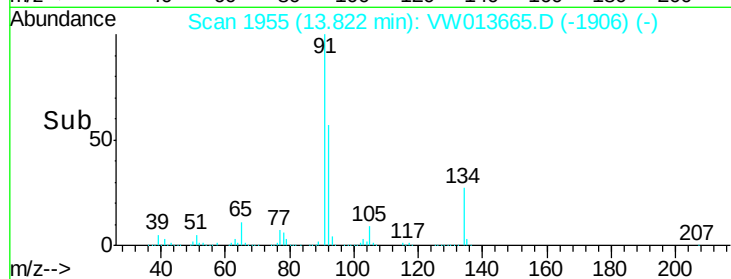
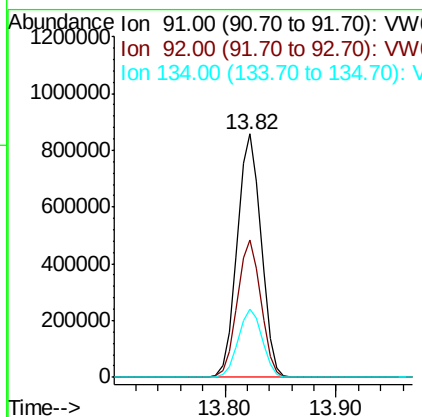
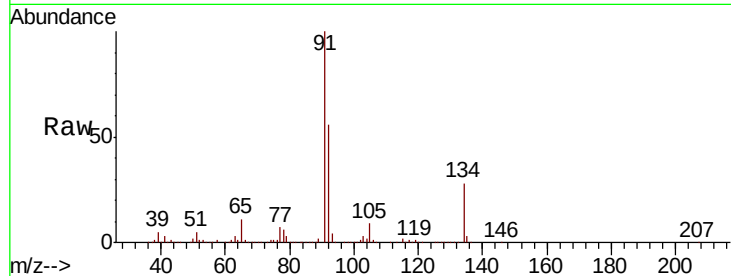
#89
n-Butylbenzene
Concen: 102.219 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.5	82.4
134	28.2	14.0	41.9

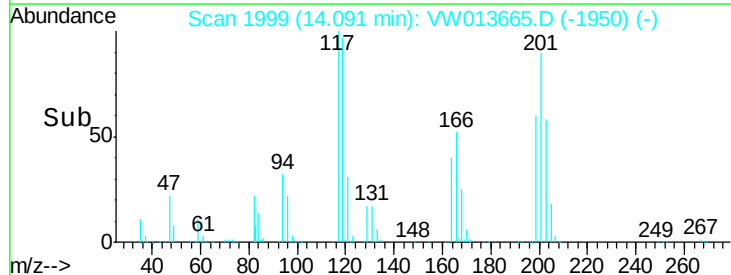
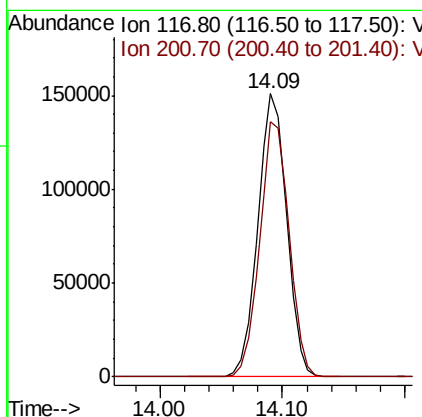
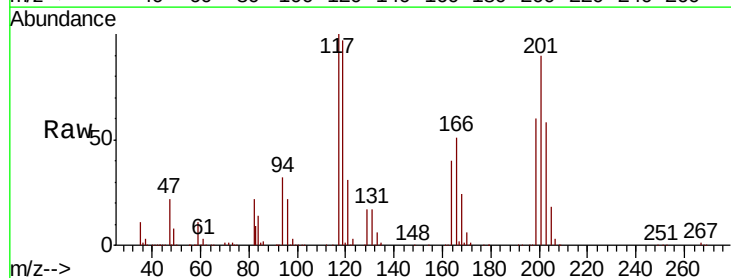
Manual Integrations
APPROVED

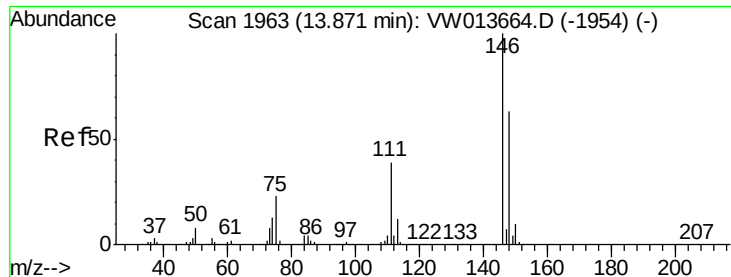
MMDadoda
10/24/2019 1:26:52 PM



#90
Hexachloroethane
Concen: 104.321 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	46.1	138.2





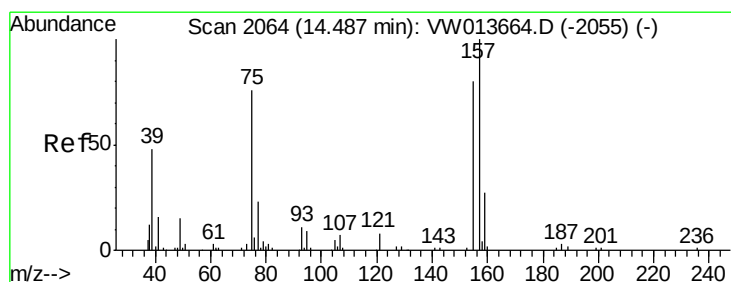
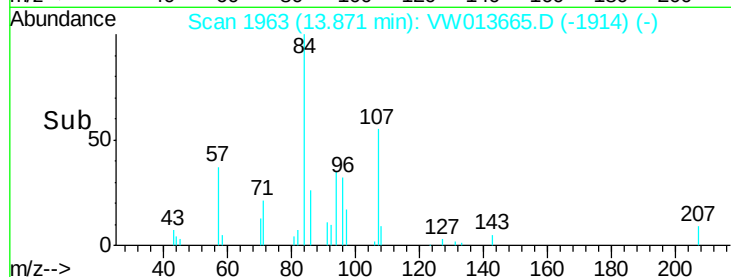
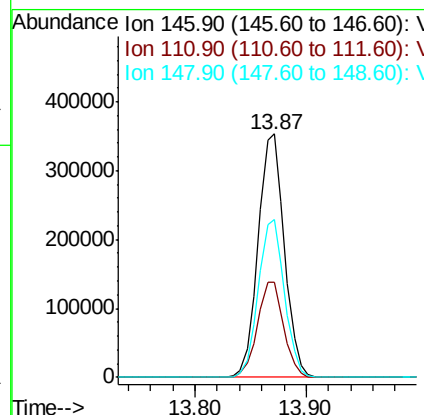
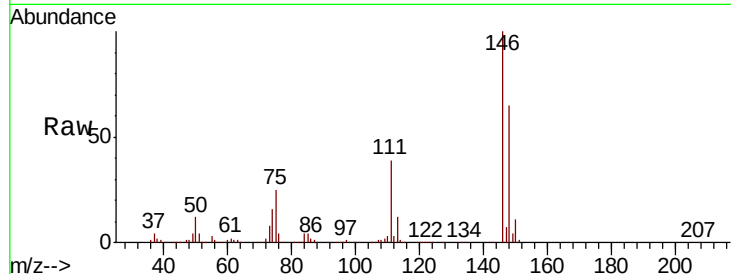
#91
 1,2-Dichlorobenzene
 Concen: 99.080 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.7	31.9	95.9

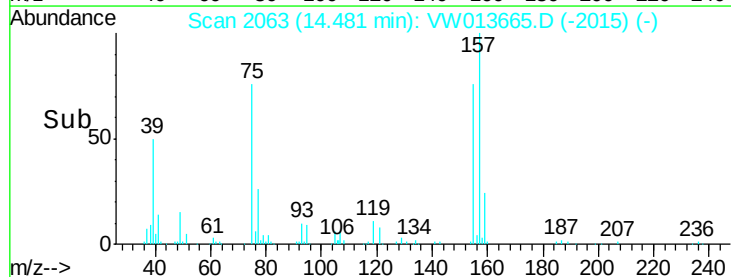
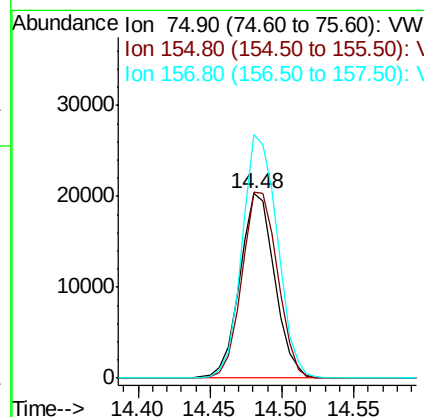
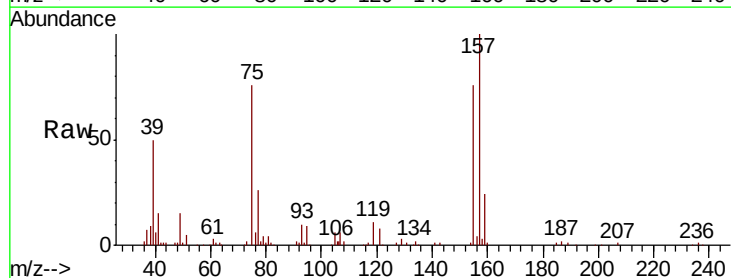
Manual Integrations
 APPROVED

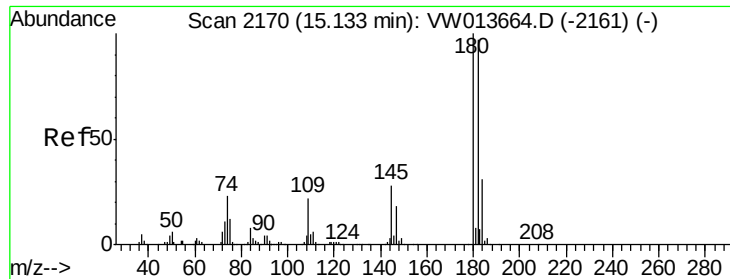
MMDadoda
 10/24/2019 1:26:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.980 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	51.9	155.7
157	133.0	64.8	194.3





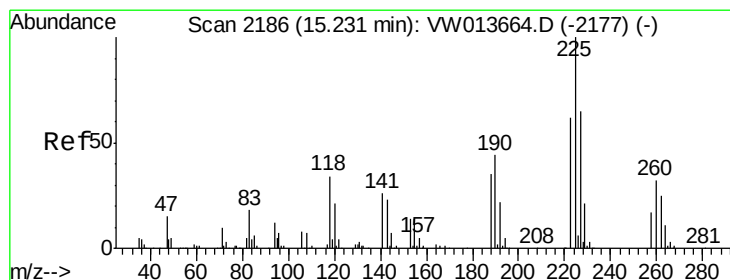
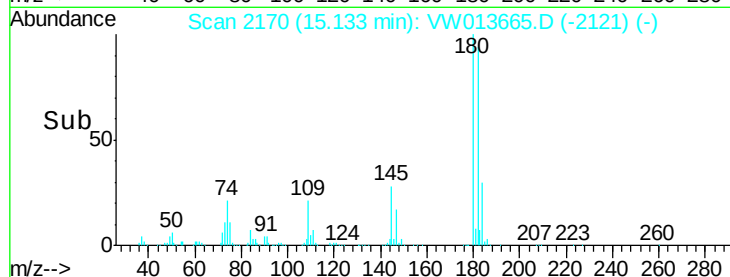
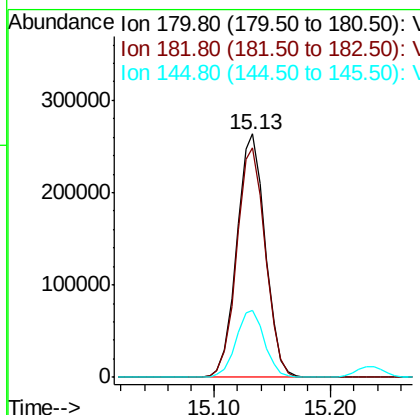
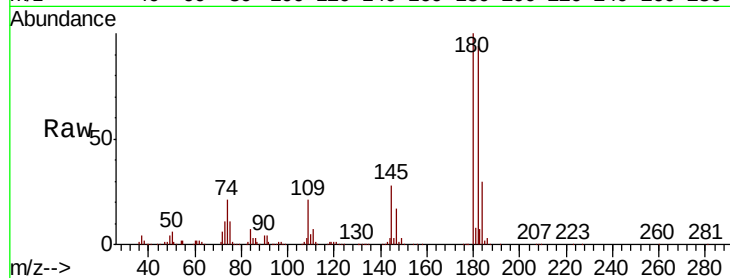
#93
 1,2,4-Trichlorobenzene
 Concen: 107.612 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	447057		
182	95.0	47.4	142.2	
145	27.6	14.1	42.3	

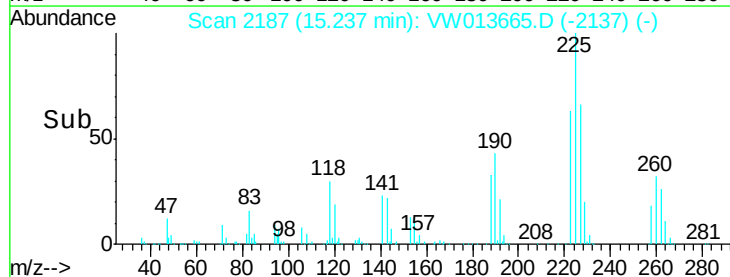
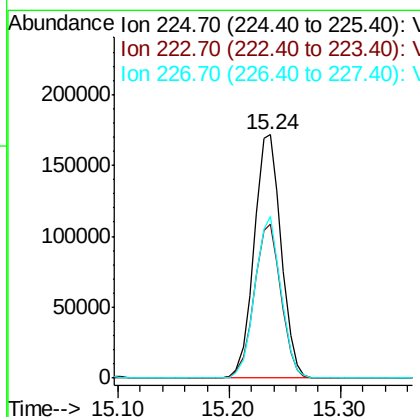
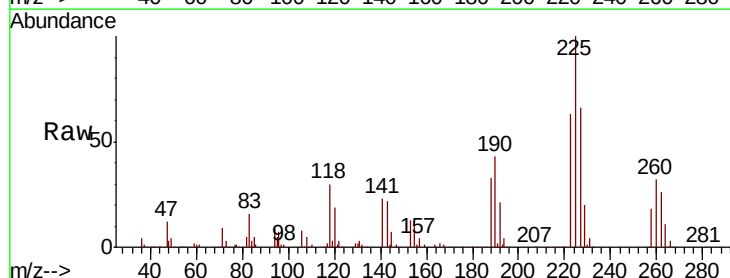
Manual Integrations
 APPROVED

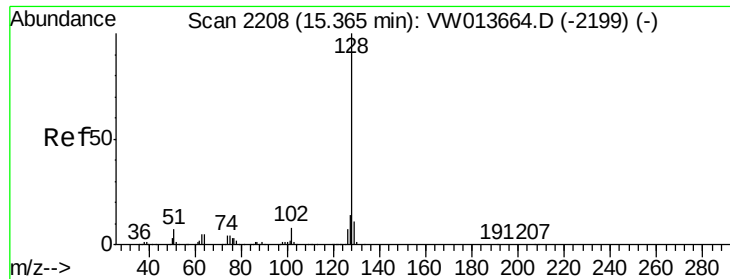
MMDadoda
 10/24/2019 1:26:52 PM



#94
 Hexachlorobutadiene
 Concen: 105.233 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013665.D
 Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	290413		
223	62.9	31.9	95.9	
227	63.9	32.5	97.4	





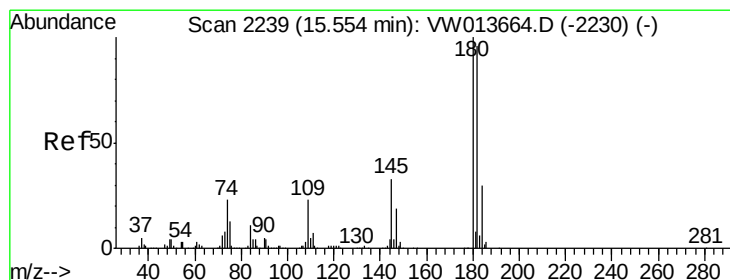
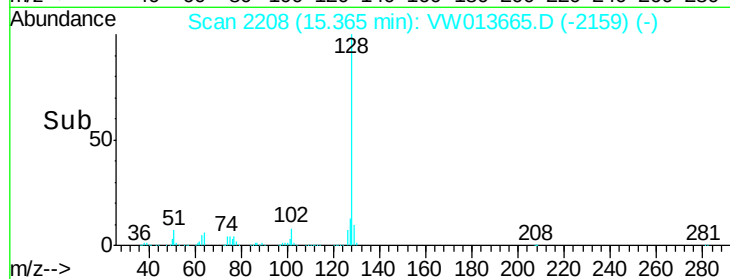
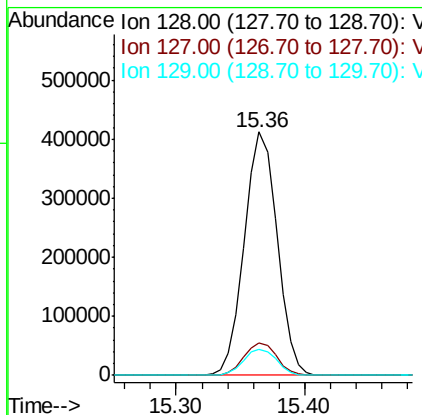
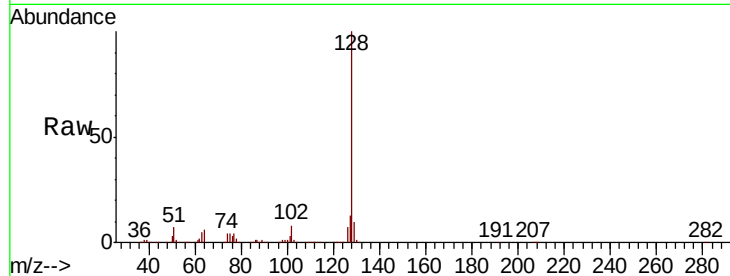
#95
Naphthalene
Concen: 102.386 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:26:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 106.366 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013665.D
Acq: 23 Oct 2019 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	29.5	14.9	44.9

