

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011514.D
 Acq On : 26 Jul 2019 13:44
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:53 AM

Quant Time: Jul 27 00:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	349873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	427675	155.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.92%	
35) Dibromofluoromethane	7.88	113	350350	159.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.76%	
50) Toluene-d8	10.32	98	1425319	158.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.72%	
62) 4-Bromofluorobenzene	12.62	95	507408	158.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	199183	149.657	ug/l	96
3) Chloromethane	2.21	50	325373	140.985	ug/l	100
4) Vinyl Chloride	2.36	62	391267	140.820	ug/l	98
5) Bromomethane	2.76	94	211760	137.691	ug/l	98
6) Chloroethane	2.91	64	234039	147.461	ug/l	98
7) Trichlorofluoromethane	3.25	101	192912	155.355	ug/l	99
8) Diethyl Ether	3.68	74	214470	152.332	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	335789	142.551	ug/l	99
10) Methyl Iodide	4.27	142	512699	154.017	ug/l	100
11) Tert butyl alcohol	5.17	59	142356	618.362	ug/l	99
12) 1,1-Dichloroethene	4.04	96	368598	148.203	ug/l	98
13) Acrolein	3.89	56	136226	692.338	ug/l	100
14) Allyl chloride	4.66	41	803161	151.831	ug/l	100
15) Acrylonitrile	5.36	53	535583	762.056	ug/l	98
16) Acetone	4.12	43	619939	710.701	ug/l	99
17) Carbon Disulfide	4.38	76	1175213	150.973	ug/l	100
18) Methyl Acetate	4.67	43	295134	150.610	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	586348	148.565	ug/l	97
20) Methylene Chloride	4.92	84	407247	135.372	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	401109	149.590	ug/l	98
22) Diisopropyl ether	6.31	45	1479937	148.390	ug/l	99
23) Vinyl Acetate	6.25	43	4914705	784.247	ug/l	100
24) 1,1-Dichloroethane	6.21	63	807888	151.251	ug/l	99
25) 2-Butanone	7.17	43	863625	756.623	ug/l	100
26) 2,2-Dichloropropane	7.17	77	434447	132.256	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	441329	149.547	ug/l	99
28) Bromochloromethane	7.51	49	348562	147.020	ug/l #	99
29) Tetrahydrofuran	7.52	42	501674	768.913	ug/l	99
30) Chloroform	7.67	83	724624	147.048	ug/l	99
31) Cyclohexane	7.95	56	696614	135.865	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	559250	149.020	ug/l	99
36) 1,1-Dichloropropene	8.08	75	593019	146.007	ug/l	99
37) Ethyl Acetate	7.25	43	348862	149.295	ug/l	99
38) Carbon Tetrachloride	8.07	117	519264	149.343	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011514.D
 Acq On : 26 Jul 2019 13:44
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:53 AM

Quant Time: Jul 27 00:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	659116	147.378	ug/l	98
40) Benzene	8.32	78	1680332	147.699	ug/l	100
41) Methacrylonitrile	7.48	41	221941	158.889	ug/l	96
42) 1,2-Dichloroethane	8.40	62	527829	148.188	ug/l	100
43) Isopropyl Acetate	8.42	43	680902	158.444	ug/l	99
44) Trichloroethene	9.09	130	411772	150.591	ug/l	98
45) 1,2-Dichloropropane	9.37	63	460850	151.395	ug/l	99
46) Dibromomethane	9.46	93	208865	150.333	ug/l	100
47) Bromodichloromethane	9.65	83	563741	154.685	ug/l	99
48) Methyl methacrylate	9.43	41	334124	161.856	ug/l	99
49) 1,4-Dioxane	9.45	88	59002	2932.952	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1717499	768.351	ug/l	100
52) Toluene	10.39	92	1036052	150.800	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	611431	160.606	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	721445	159.381	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	298608	151.479	ug/l	99
56) Ethyl methacrylate	10.65	69	472558	163.820	ug/l	99
57) 1,3-Dichloropropane	10.93	76	566686	151.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1125049	858.992	ug/l	100
59) 2-Hexanone	10.97	43	1256809	796.320	ug/l	99
60) Dibromochloromethane	11.13	129	350428	160.147	ug/l	99
61) 1,2-Dibromoethane	11.23	107	285497	153.041	ug/l	99
64) Tetrachloroethene	10.86	164	334210	146.708	ug/l	98
65) Chlorobenzene	11.66	112	1048028	148.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	374731	152.943	ug/l	100
67) Ethyl Benzene	11.73	91	2016948	150.555	ug/l	99
68) m/p-Xylenes	11.84	106	1446361	296.873	ug/l	99
69) o-Xylene	12.16	106	681844	150.606	ug/l	100
70) Styrene	12.18	104	1190800	152.124	ug/l	100
71) Bromoform	12.35	173	198465	158.869	ug/l #	98
73) Isopropylbenzene	12.46	105	1859111	151.604	ug/l	100
74) N-amyl acetate	12.27	43	623938	162.516	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	351609	152.432	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	248778m	142.561	ug/l	
77) Bromobenzene	12.75	156	411741	151.906	ug/l	99
78) n-propylbenzene	12.80	91	2265647	151.811	ug/l	100
79) 2-Chlorotoluene	12.89	91	1300423	151.250	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1554345	151.209	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	128361	170.084	ug/l	97
82) 4-Chlorotoluene	12.99	91	1343367	148.918	ug/l	100
83) tert-Butylbenzene	13.21	119	1302775	151.554	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1564443	151.080	ug/l	100
85) sec-Butylbenzene	13.38	105	1833801	149.508	ug/l	100
86) p-Isopropyltoluene	13.50	119	1672052	150.246	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	785734	147.842	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	779339	147.411	ug/l	100
89) n-Butylbenzene	13.82	91	1683566	151.593	ug/l	100
90) Hexachloroethane	14.10	117	310140	157.601	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	696287	148.128	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	63151	160.548	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011514.D
Acq On : 26 Jul 2019 13:44
Operator : SY/VA
Sample : VSTDICC150
Misc : 5.00G/5.0ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM

Quant Time: Jul 27 00:24:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:06:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	528524	159.538	ug/l	99
94) Hexachlorobutadiene	15.24	225	307019	148.609	ug/l	98
95) Naphthalene	15.37	128	1006603	171.376	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	465240	160.212	ug/l	100

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

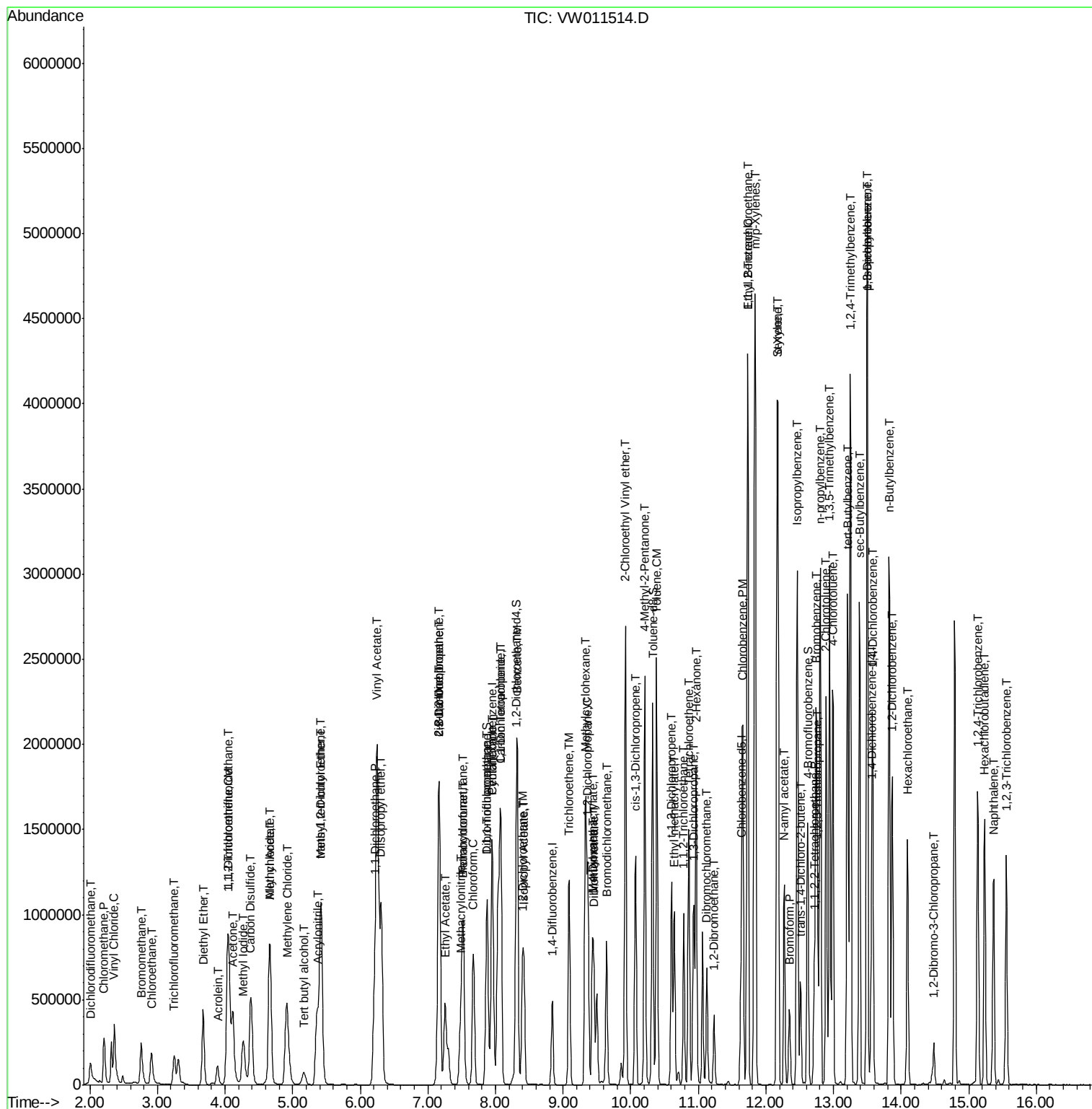
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011514.D
Acq On : 26 Jul 2019 13:44
Operator : SY/VA
Sample : VSTDICC150
Misc : 5.00G/5.0ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

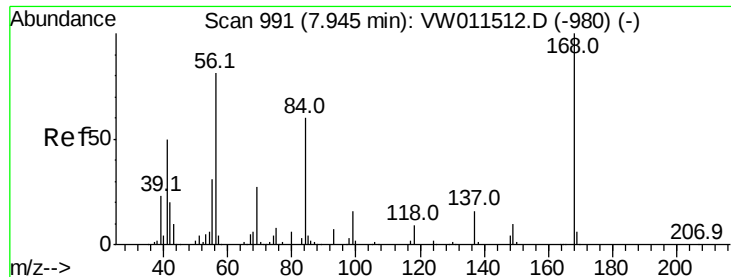
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM

Quant Time: Jul 27 00:24:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:06:40 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: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 238811

Ion Ratio Lower Upper

168 100

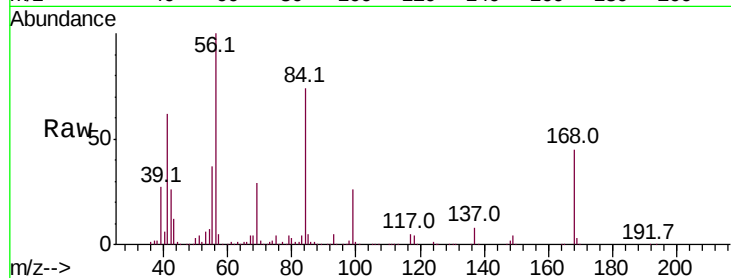
99 58.2 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

150000

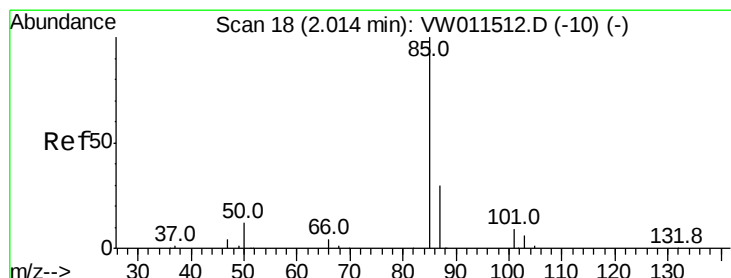
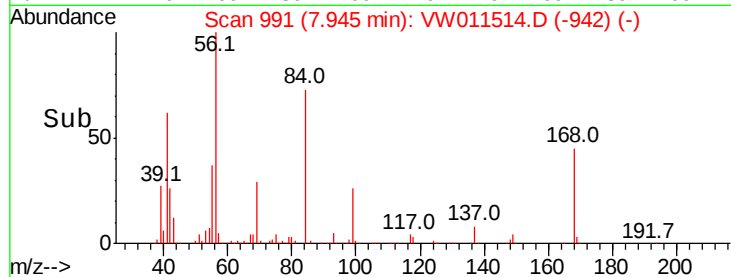
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 149.657 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011514.D

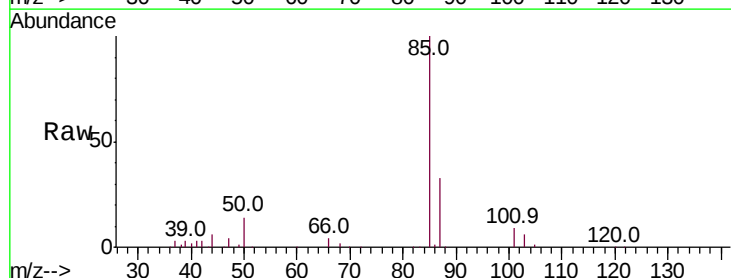
Acq: 26 Jul 2019 13:44

Tgt Ion: 85 Resp: 199183

Ion Ratio Lower Upper

85 100

87 32.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

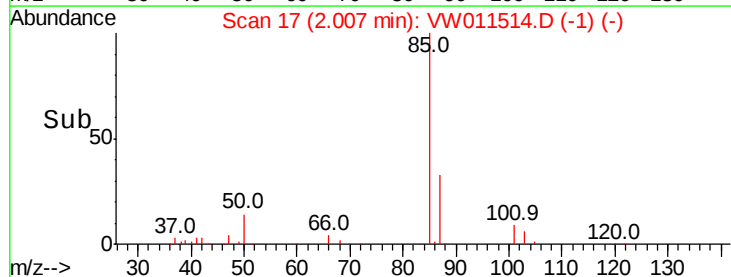
40000

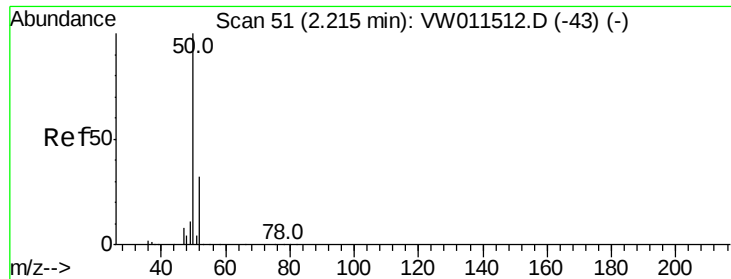
20000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 140.985 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 325373

Ion Ratio Lower Upper

50 100

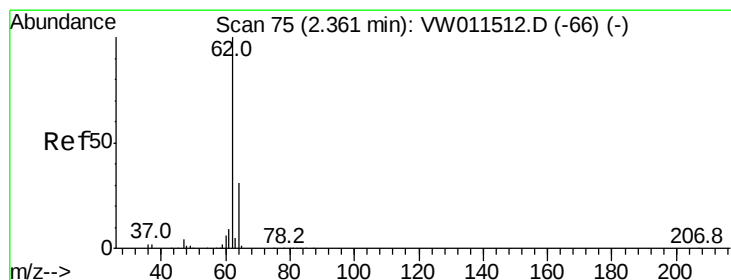
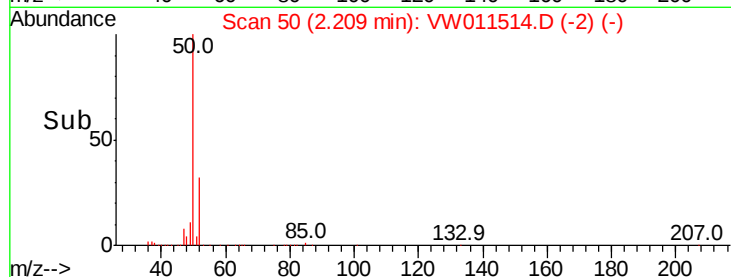
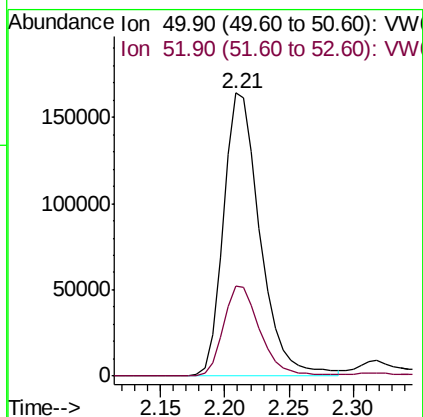
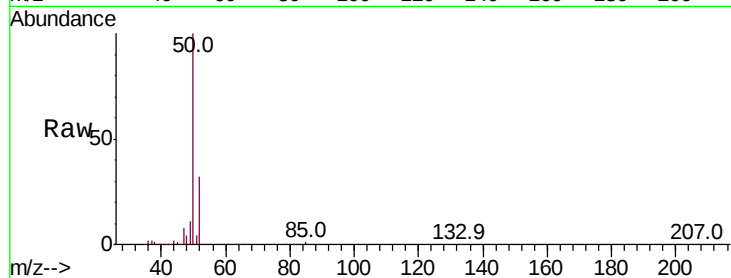
52 32.0 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#4

Vinyl Chloride

Concen: 140.820 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011514.D

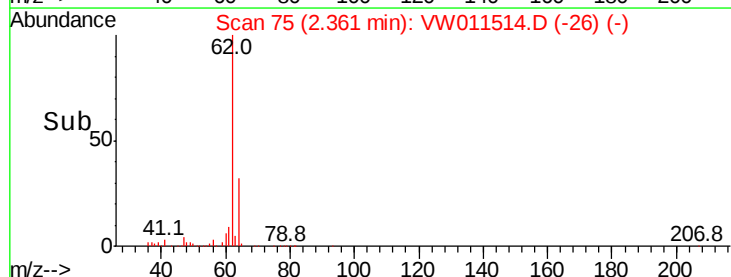
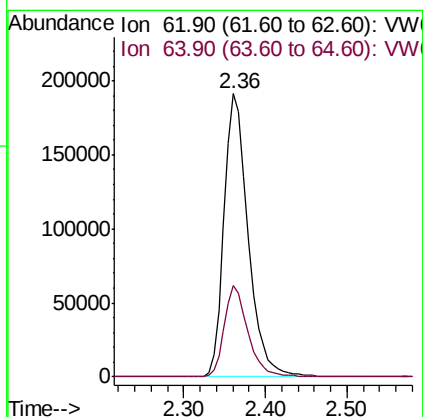
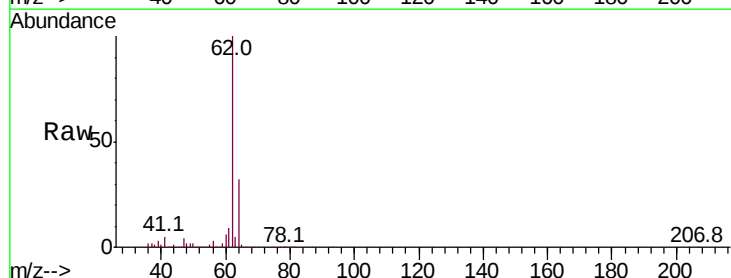
Acq: 26 Jul 2019 13:44

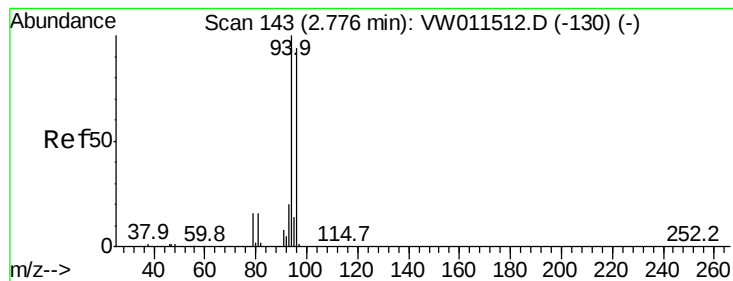
Tgt Ion: 62 Resp: 391267

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 137.691 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 211760

Ion Ratio Lower Upper

94 100

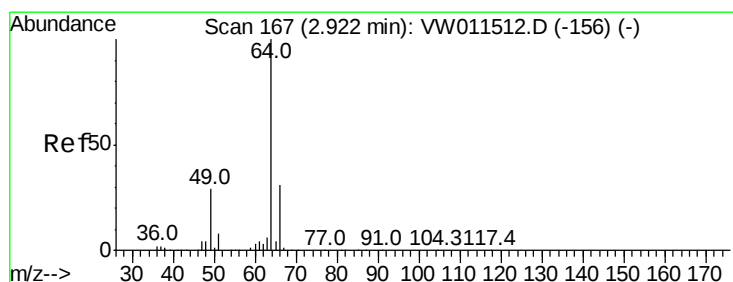
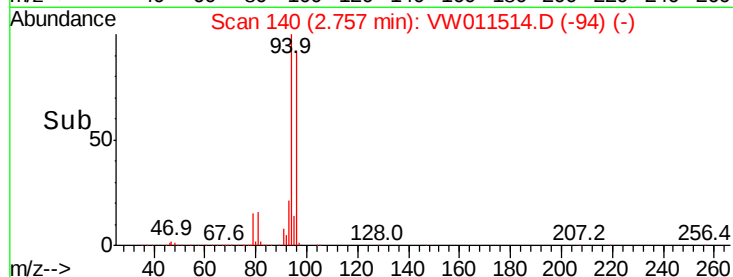
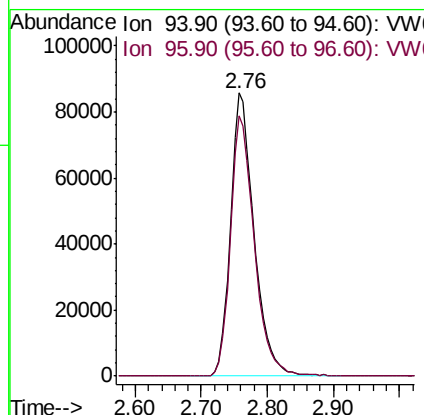
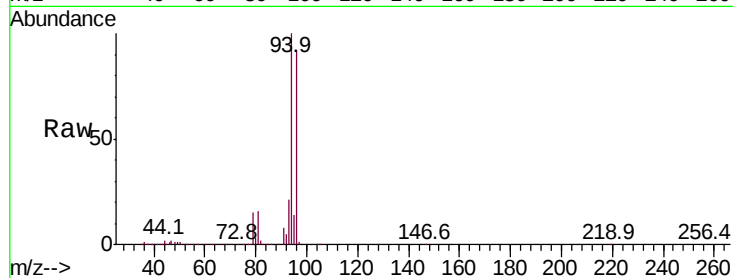
96 91.7 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#6

Chloroethane

Concen: 147.461 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011514.D

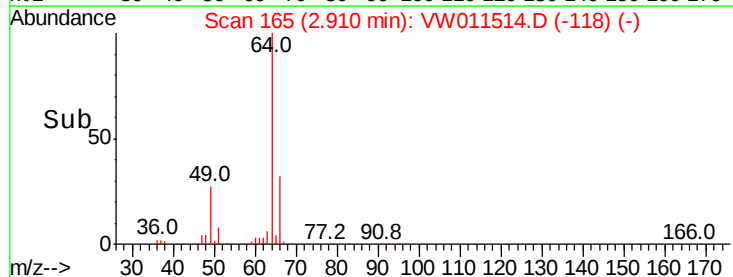
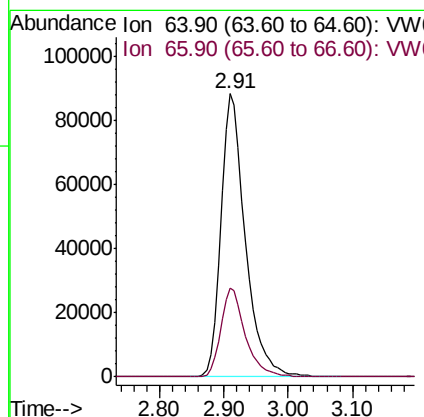
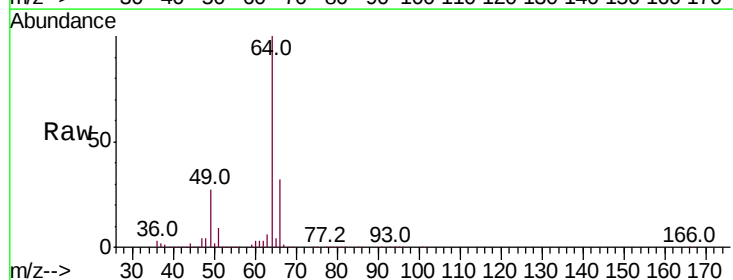
Acq: 26 Jul 2019 13:44

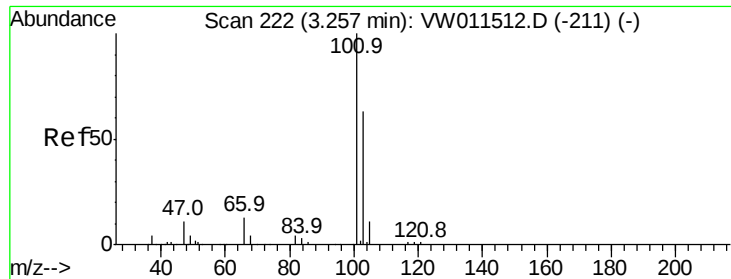
Tgt Ion: 64 Resp: 234039

Ion Ratio Lower Upper

64 100

66 31.6 24.6 36.8





#7

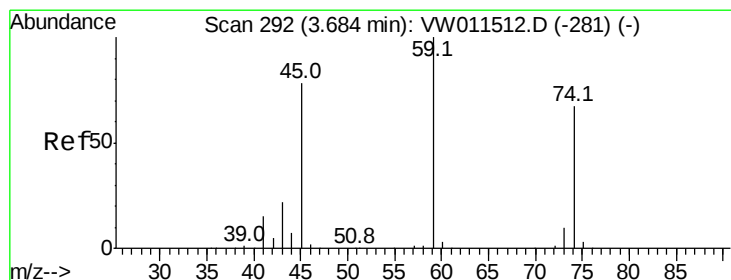
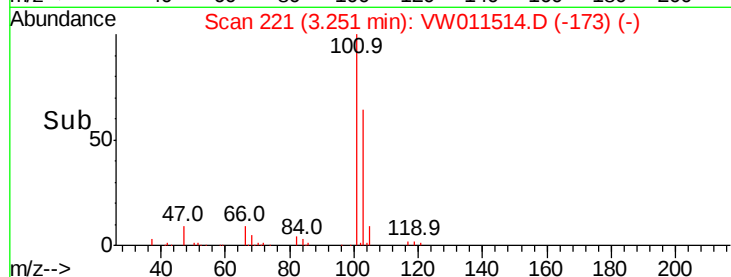
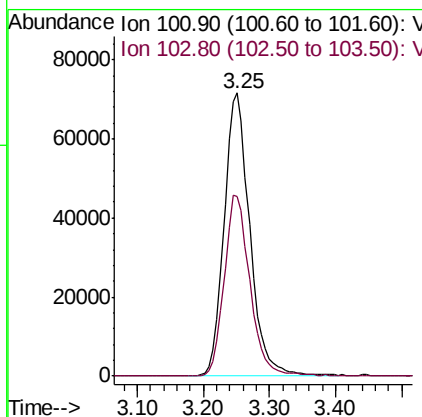
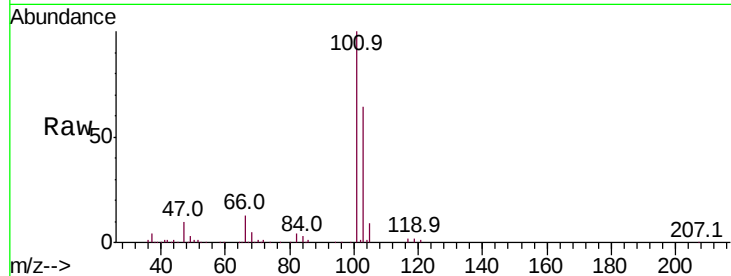
Trichlorofluoromethane
Concen: 155.355 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	192912		
103	63.7	50.2	75.4	

Manual Integrations
APPROVED

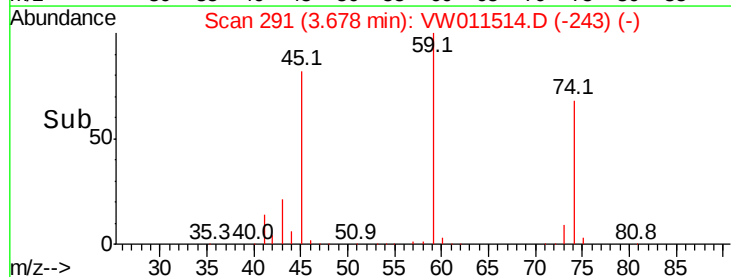
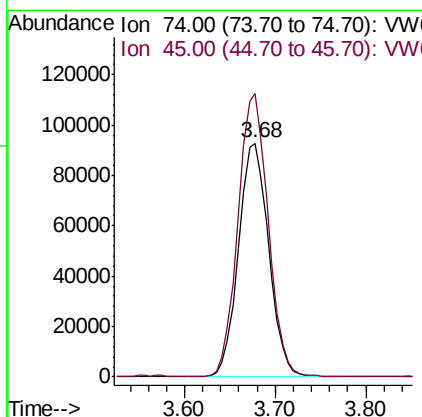
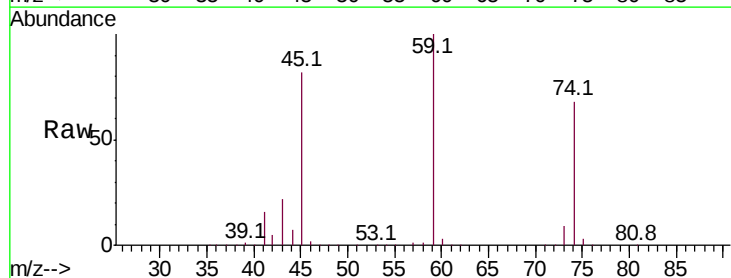
MMDadoda
7/29/2019 9:17:53 AM

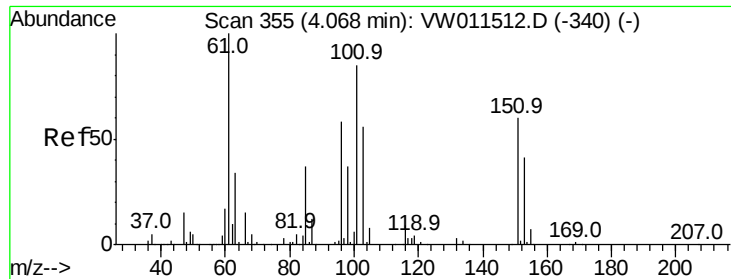


#8

Diethyl Ether
Concen: 152.332 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	214470		
45	120.6	59.6	178.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.551 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

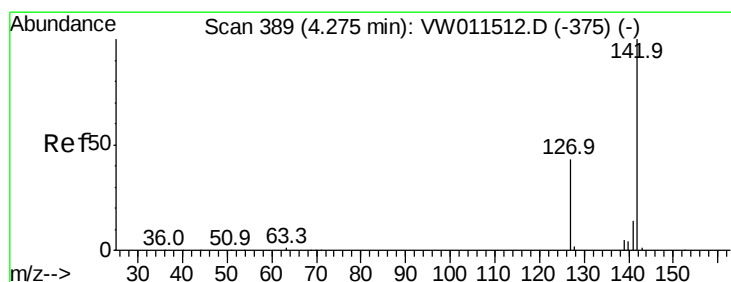
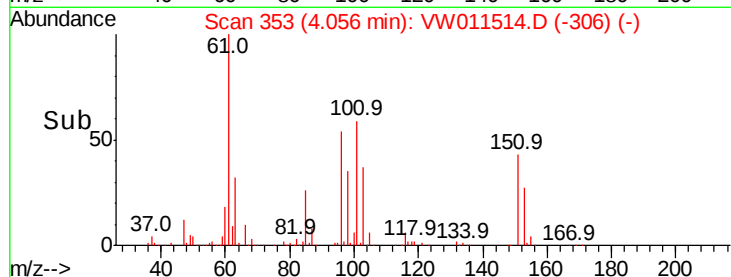
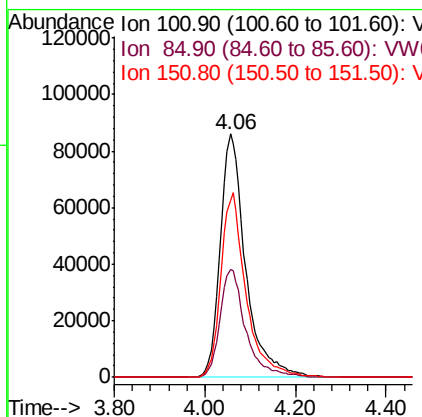
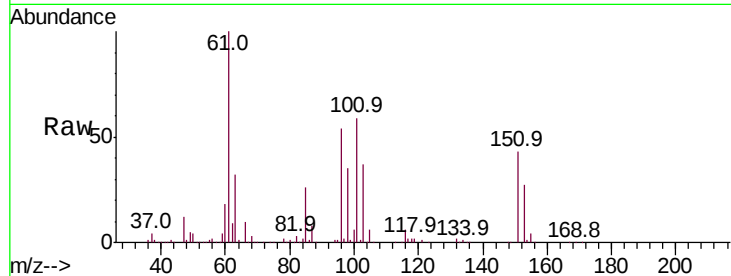
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	335789
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.6	54.8
151	74.8	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM



#10

Methyl Iodide

Concen: 154.017 ug/l

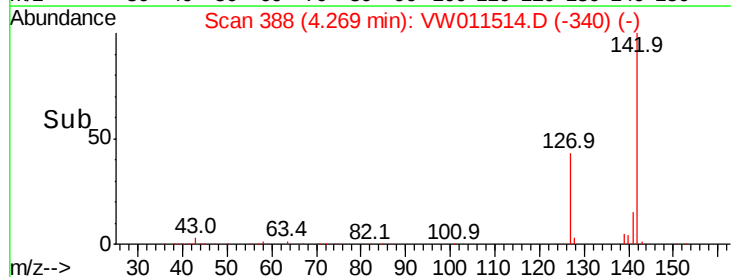
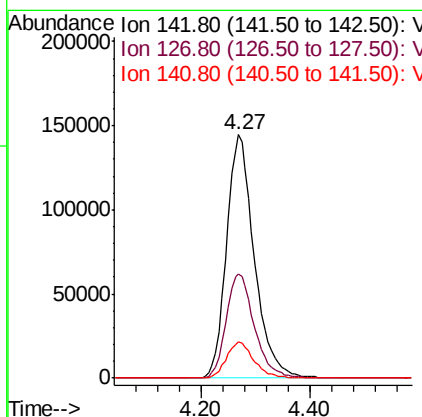
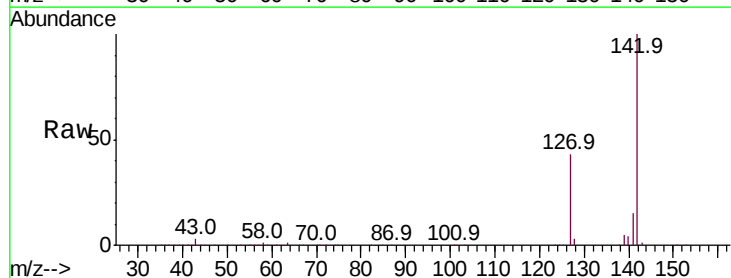
RT: 4.27 min Scan# 388

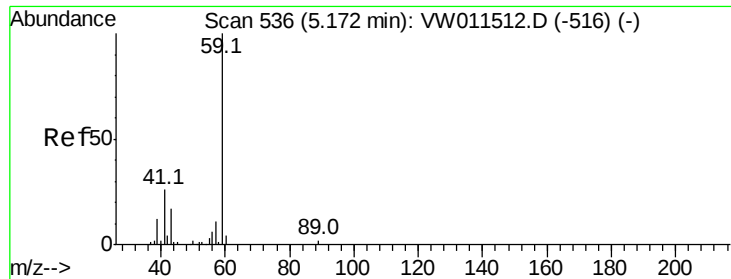
Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion:	142	Resp:	512699
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.0	52.6
141	14.8	11.9	17.9





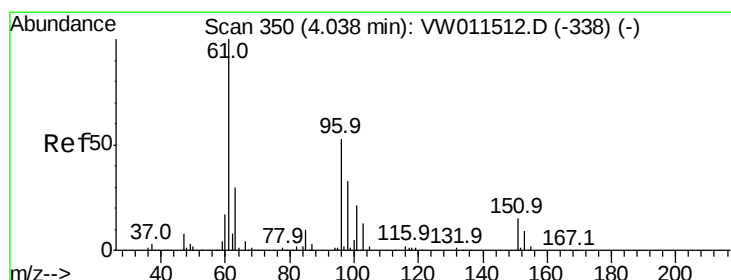
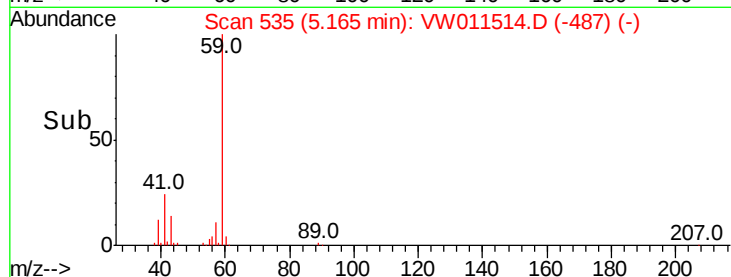
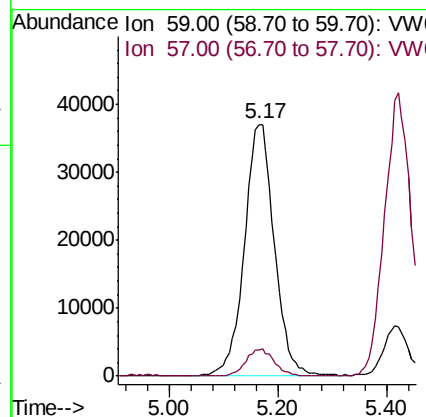
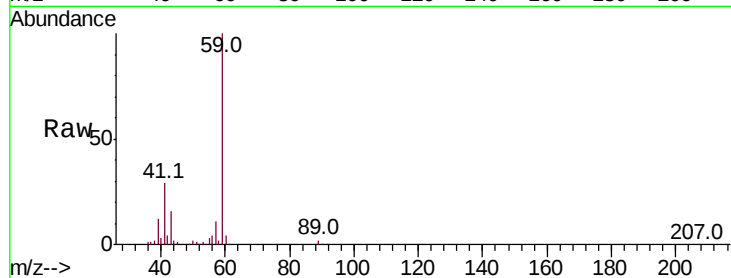
#11
Tert butyl alcohol
Concen: 618.362 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 142356
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

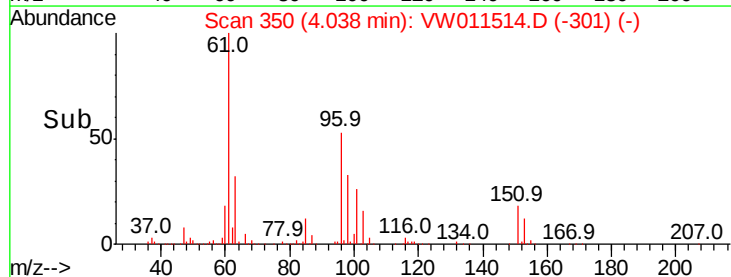
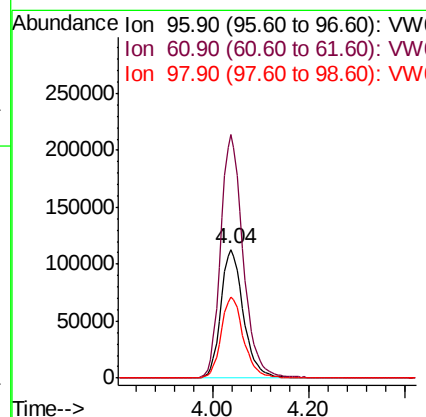
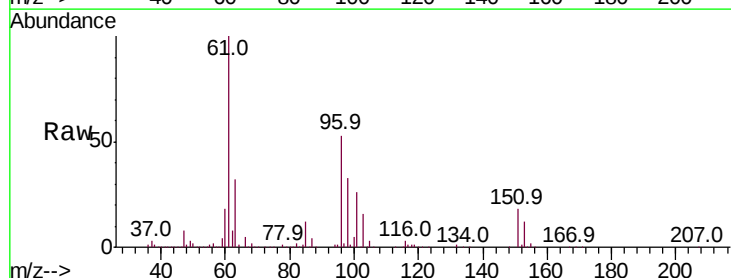
Manual Integrations
APPROVED

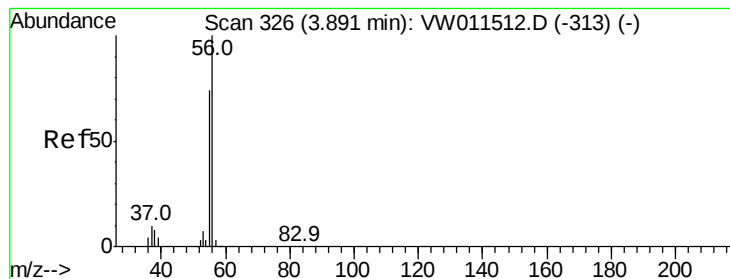
MMDadoda
7/29/2019 9:17:53 AM



#12
1,1-Dichloroethene
Concen: 148.203 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion: 96 Resp: 368598
Ion Ratio Lower Upper
96 100
61 189.4 149.9 224.9
98 63.4 49.1 73.7





#13

Acrolein

Concen: 692.338 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 136226

Ion Ratio Lower Upper

56 100

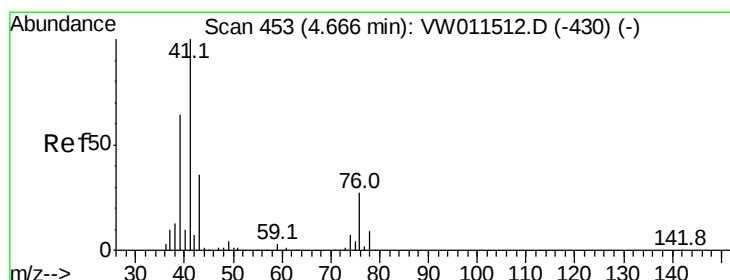
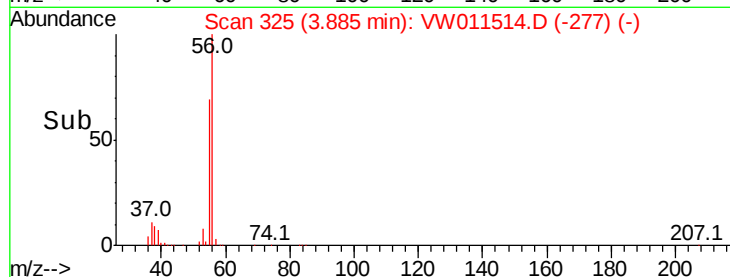
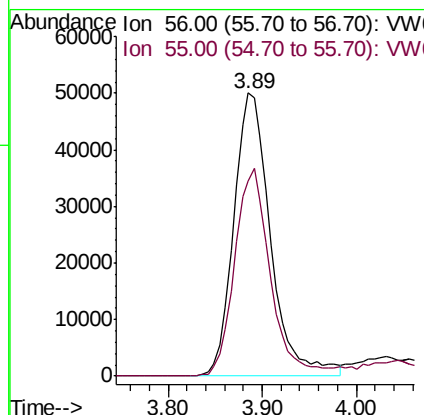
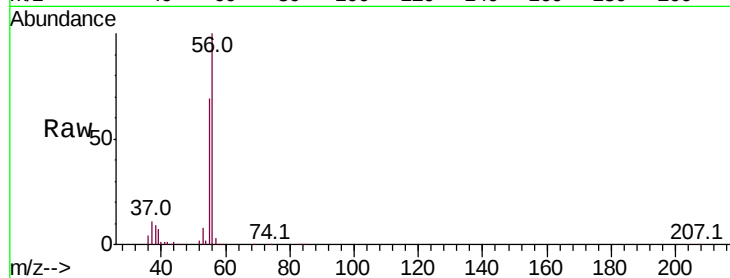
55 70.2 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#14

Allyl chloride

Concen: 151.831 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

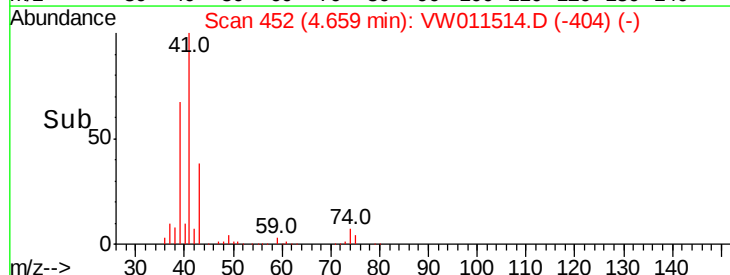
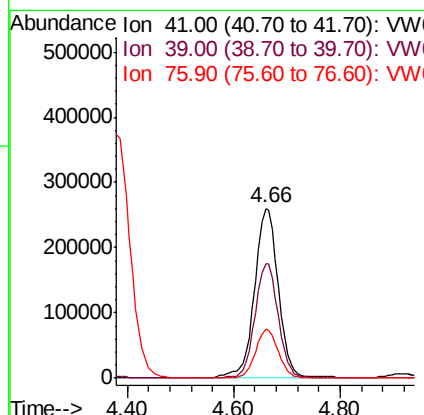
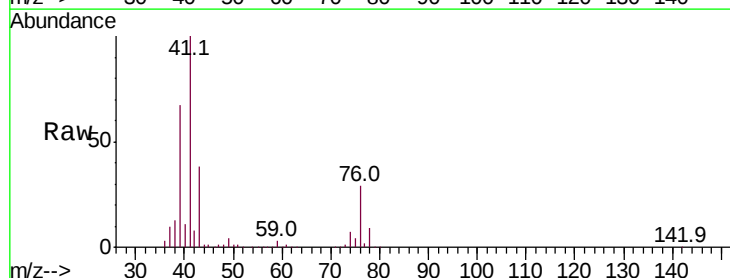
Tgt Ion: 41 Resp: 803161

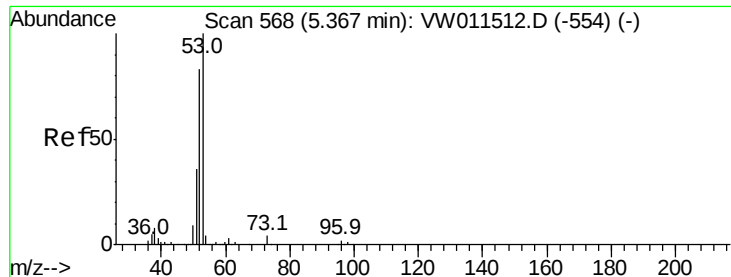
Ion Ratio Lower Upper

41 100

39 65.9 52.6 78.8

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 762.056 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

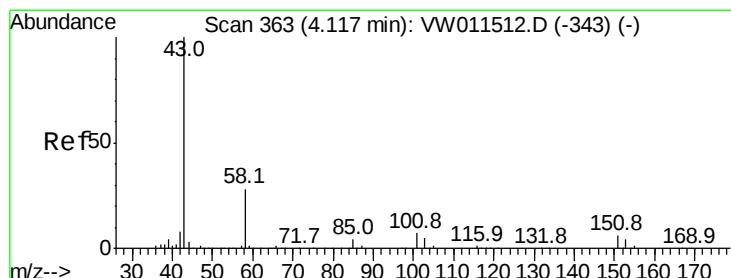
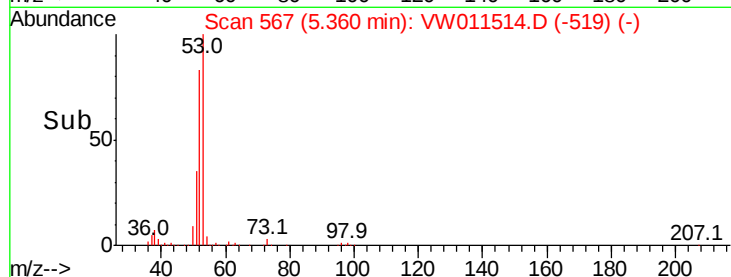
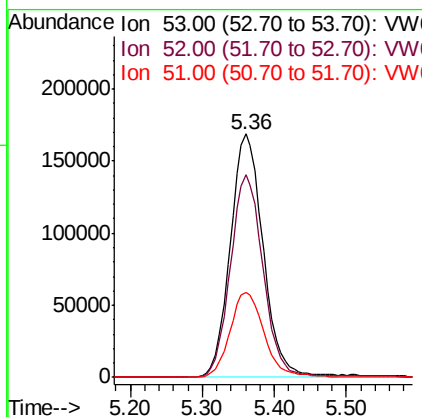
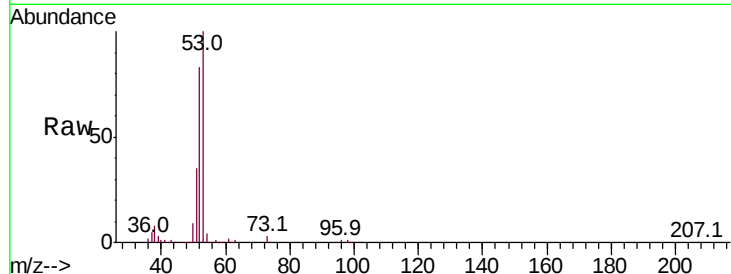
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	535583
Ion Ratio	Lower	Upper	
53	100		
52	82.7	67.2	100.8
51	36.3	30.0	45.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM



#16

Acetone

Concen: 710.701 ug/l

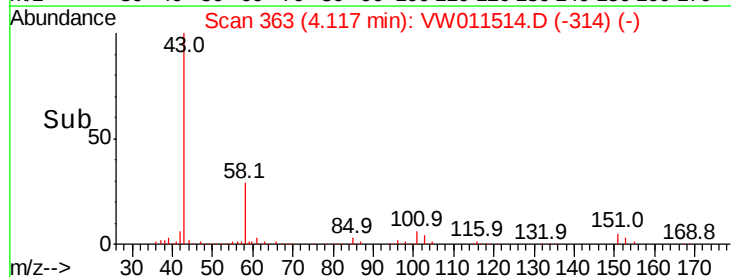
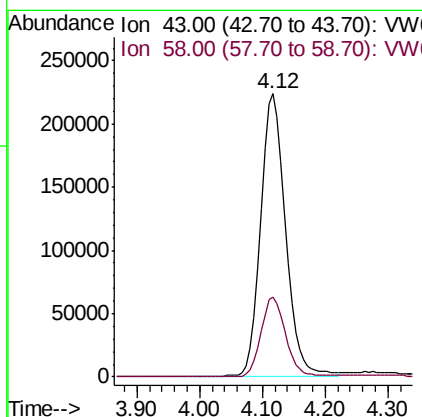
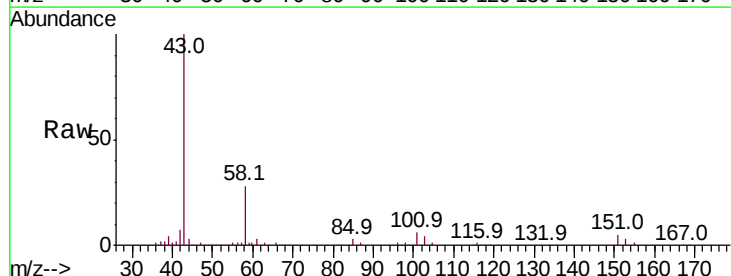
RT: 4.12 min Scan# 363

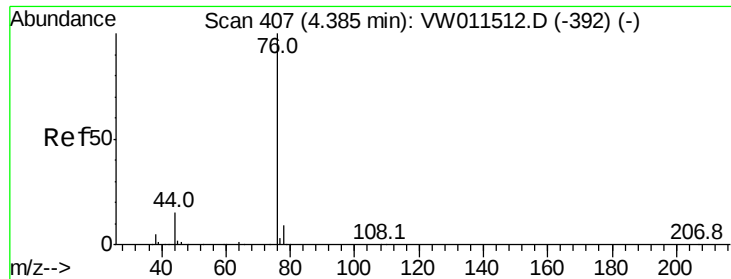
Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion:	43	Resp:	619939
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.3	33.5





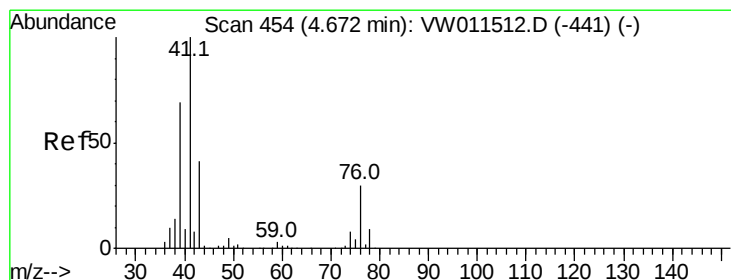
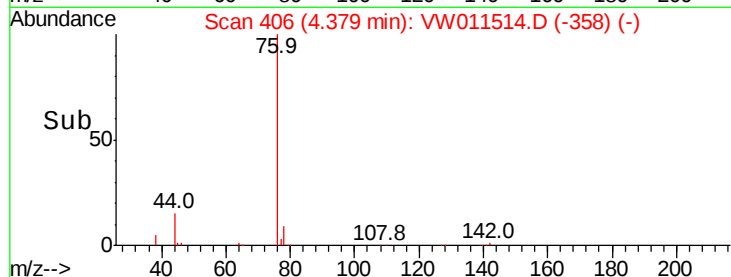
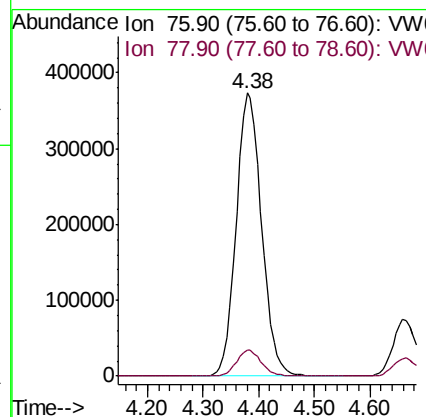
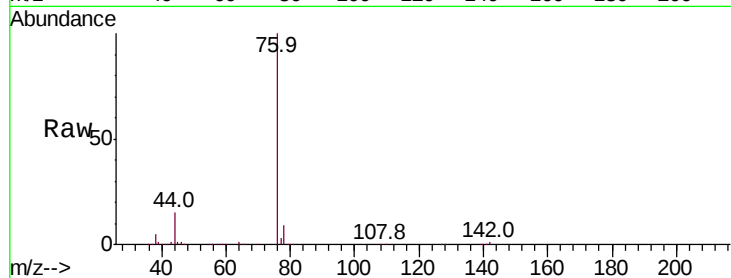
#17
Carbon Disulfide
Concen: 150.973 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1175213
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

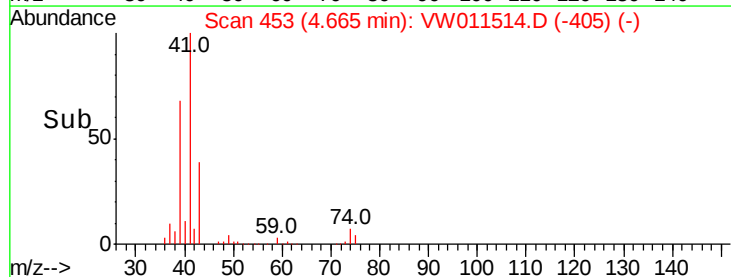
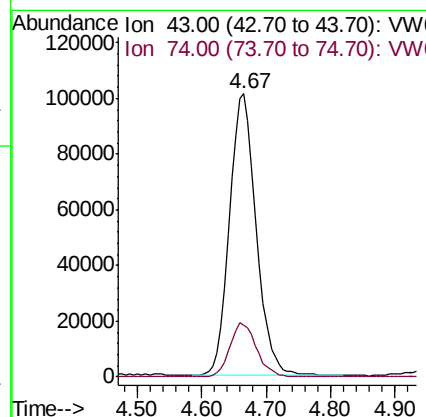
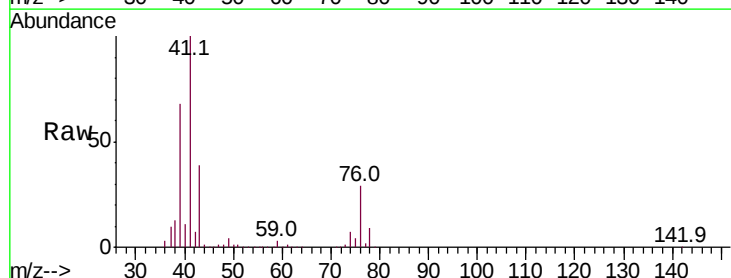
Manual Integrations
APPROVED

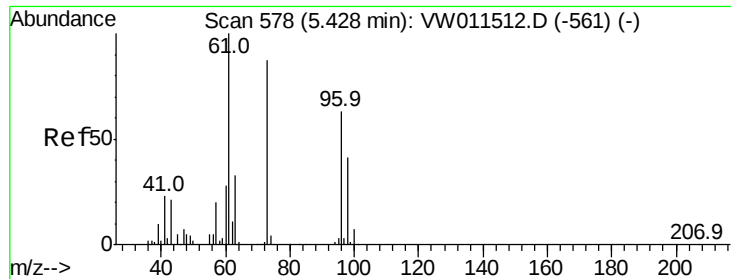
MMDadoda
7/29/2019 9:17:53 AM



#18
Methyl Acetate
Concen: 150.610 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion: 43 Resp: 295134
Ion Ratio Lower Upper
43 100
74 19.4 15.9 23.9





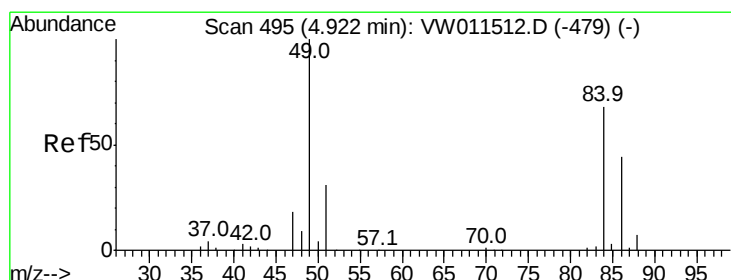
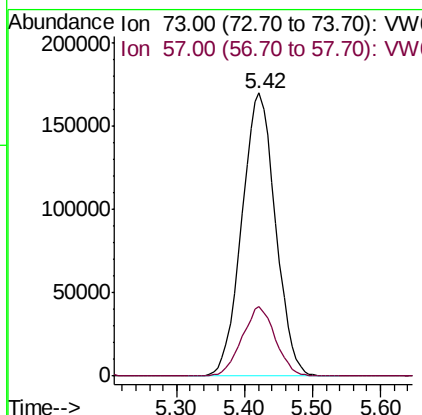
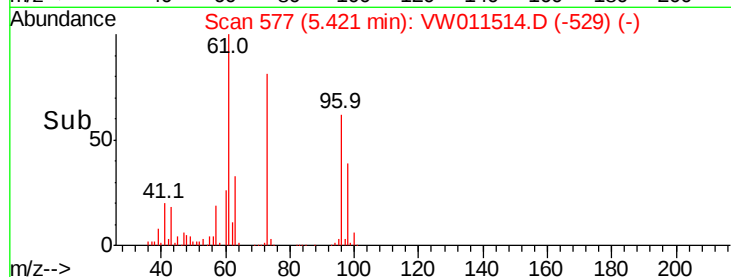
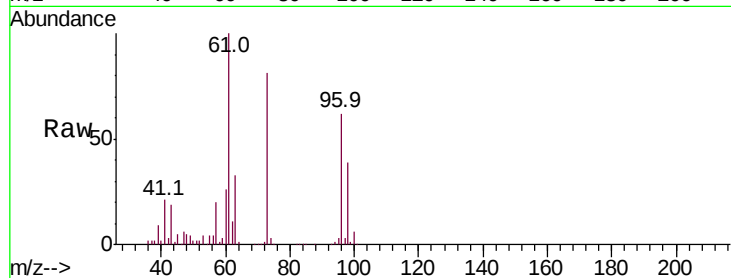
#19
Methyl tert-butyl Ether
Concen: 148.565 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	18.4	27.6

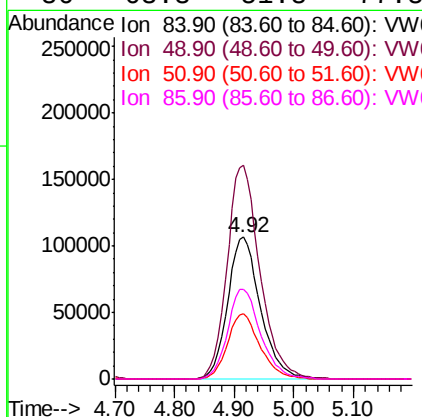
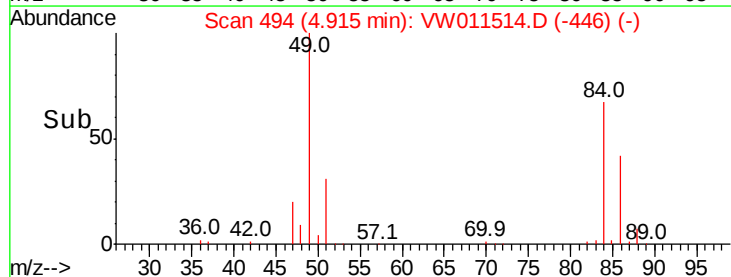
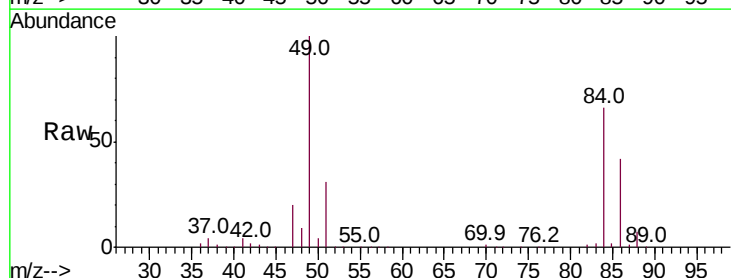
Manual Integrations
APPROVED

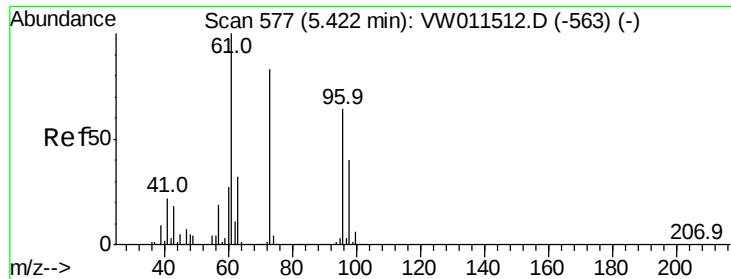
MMDadoda
7/29/2019 9:17:53 AM



#20
Methylene Chloride
Concen: 135.372 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.9	117.8	176.6
51	46.2	37.0	55.4
86	63.3	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 149.590 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 401109

Ion Ratio Lower Upper

96 100

61 159.7 125.7 188.5

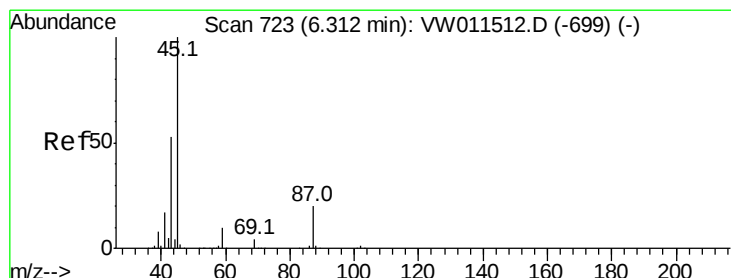
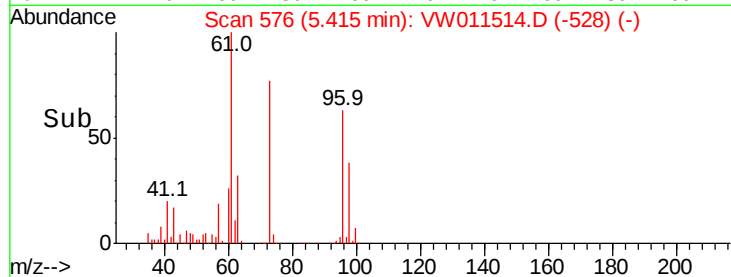
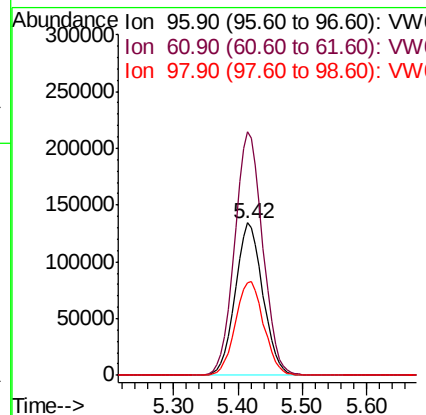
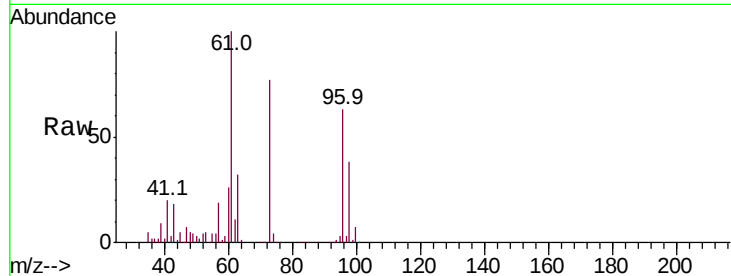
98 61.1 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#22

Diisopropyl ether

Concen: 148.390 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion: 45 Resp: 1479937

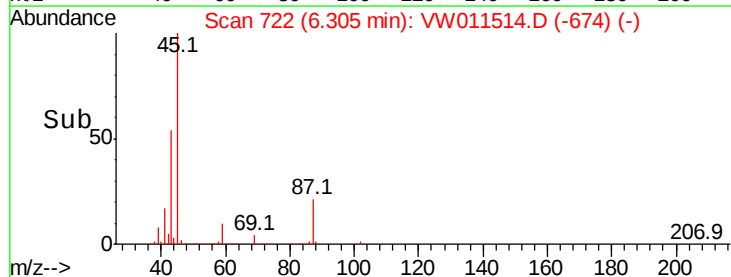
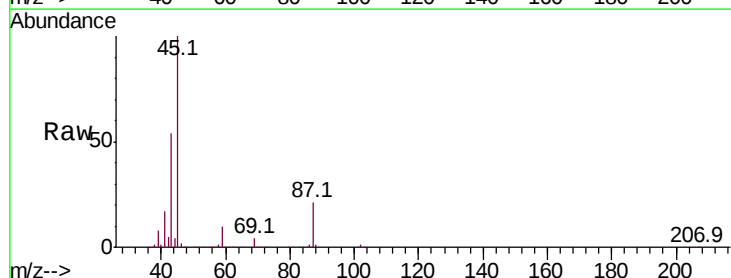
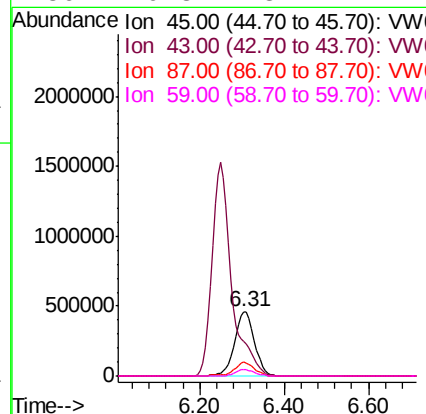
Ion Ratio Lower Upper

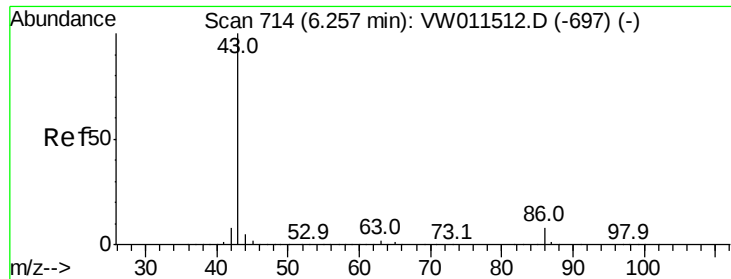
45 100

43 53.6 42.6 63.8

87 21.1 16.4 24.6

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 784.247 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4914705

Ion Ratio Lower Upper

43 100

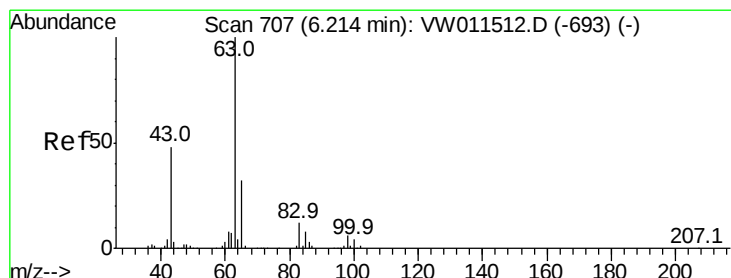
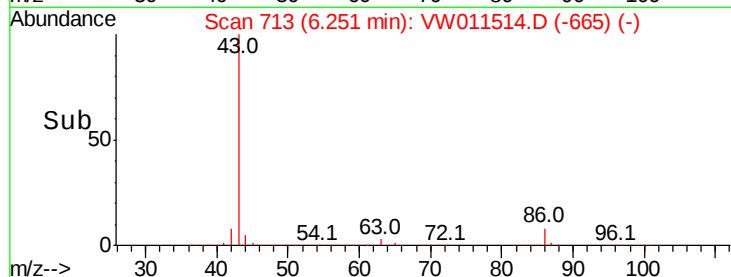
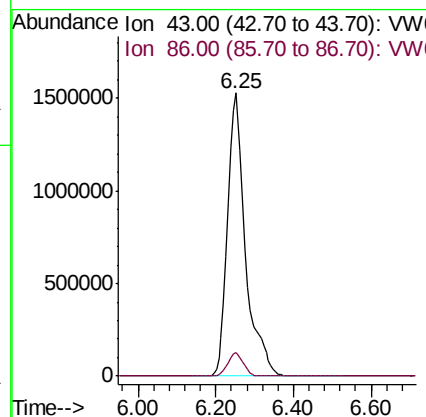
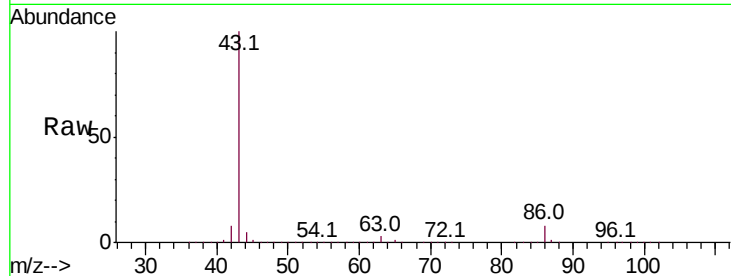
86 8.2 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#24

1,1-Dichloroethane

Concen: 151.251 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

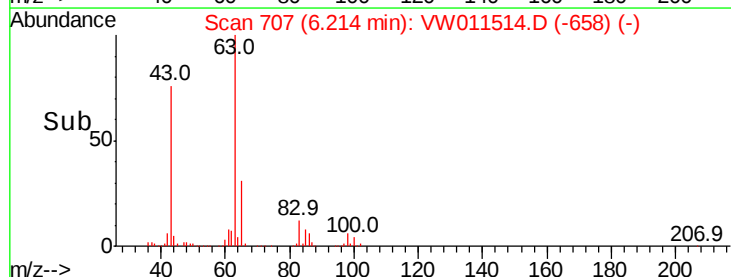
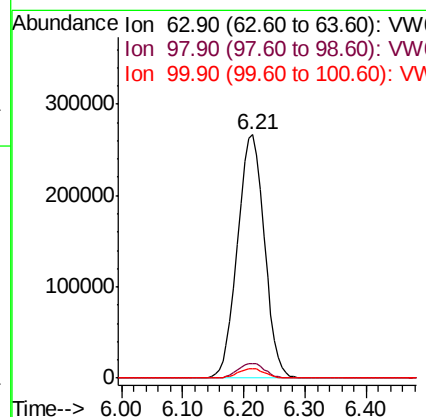
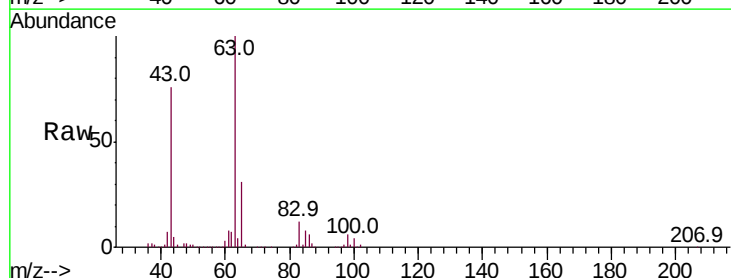
Tgt Ion: 63 Resp: 807888

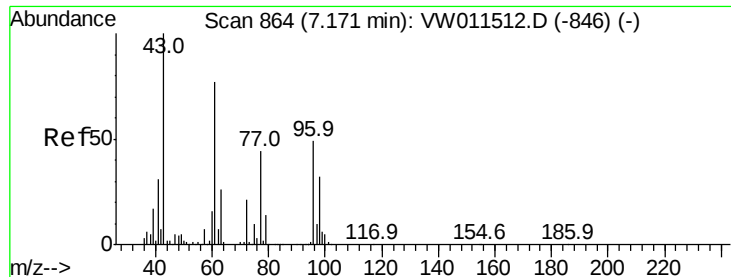
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 756.623 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tot Ion: 43 Resp: 863625

Ion Ratio Lower Upper

43 100

72 20.8 16.6 24.8

Instrument :

MSVOA_W

ClientSampleId :

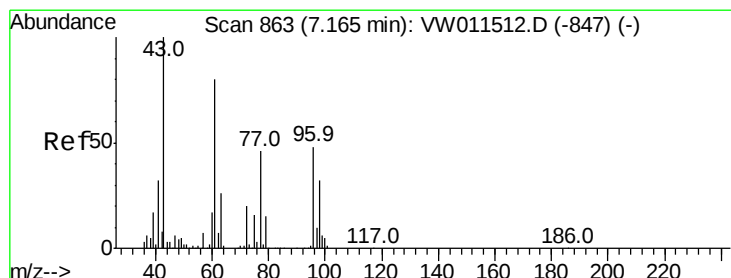
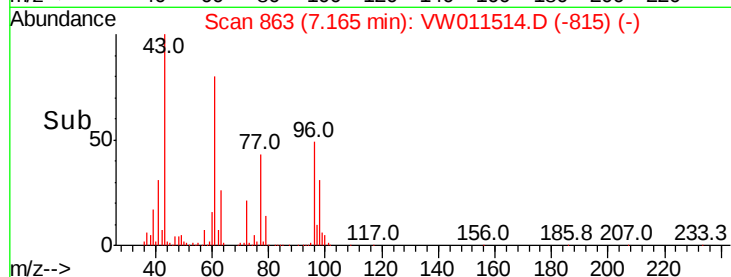
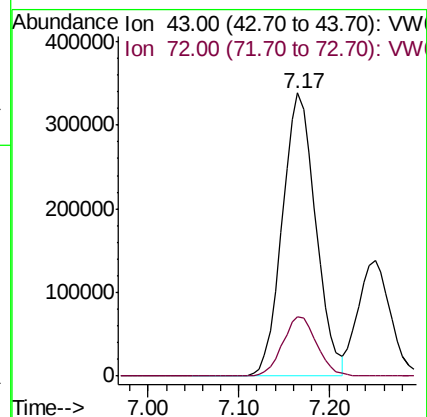
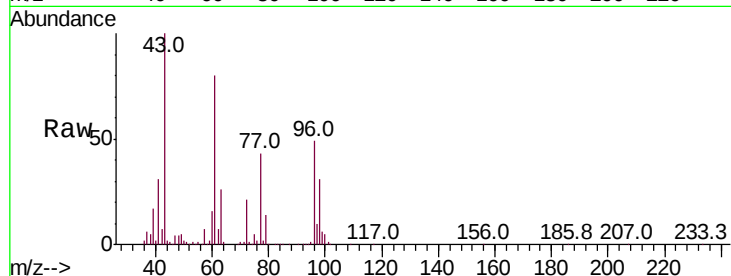
VSTDIC150

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#26

2,2-Dichloropropane

Concen: 132.256 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011514.D

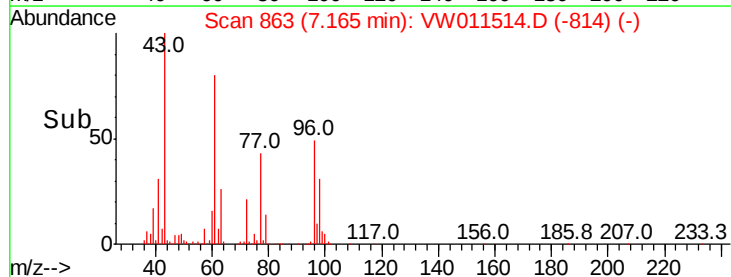
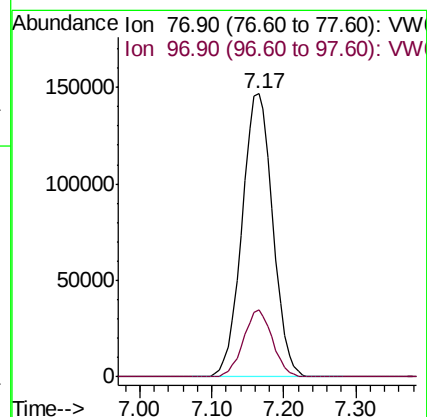
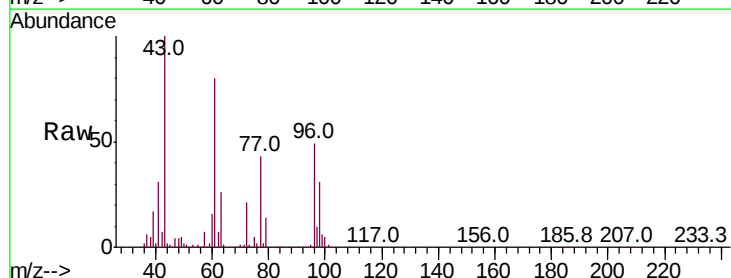
Acq: 26 Jul 2019 13:44

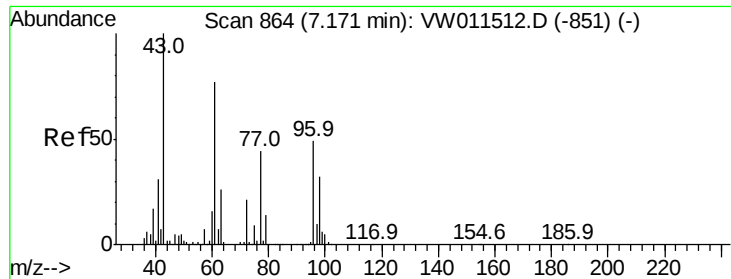
Tgt Ion: 77 Resp: 434447

Ion Ratio Lower Upper

77 100

97 22.4 10.8 32.4





#27

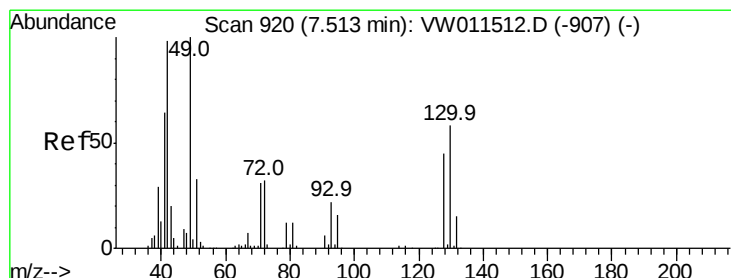
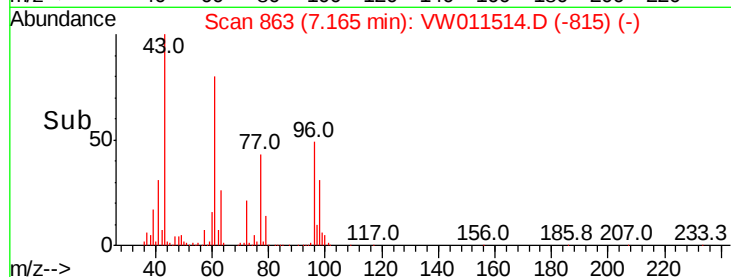
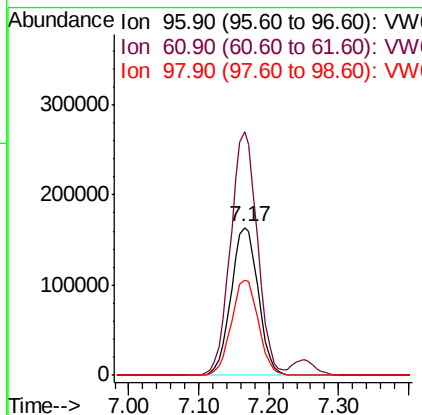
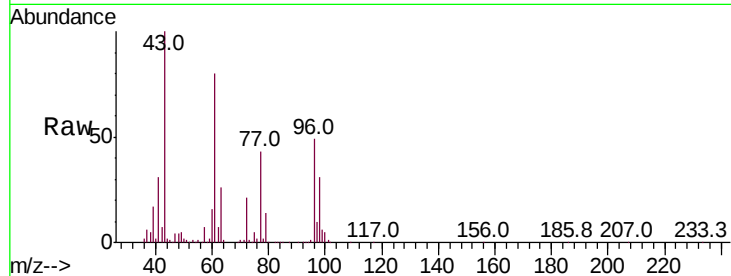
cis-1,2-Dichloroethene
 Concen: 149.547 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	328.4
98	64.2	0.0	128.8

Manual Integrations
 APPROVED

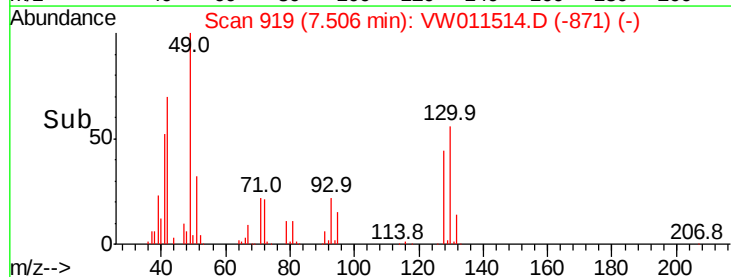
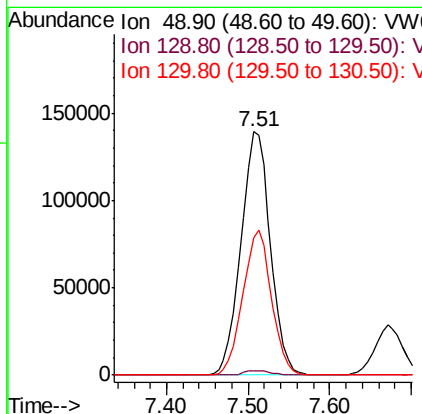
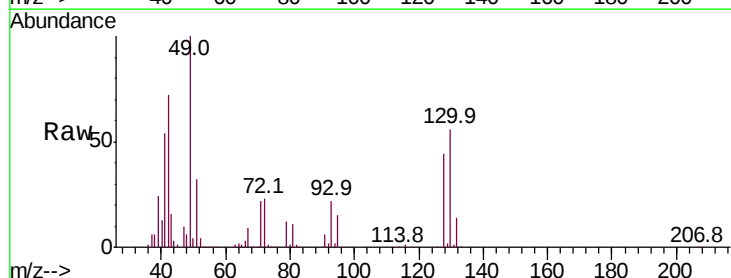
MMDadoda
 7/29/2019 9:17:53 AM

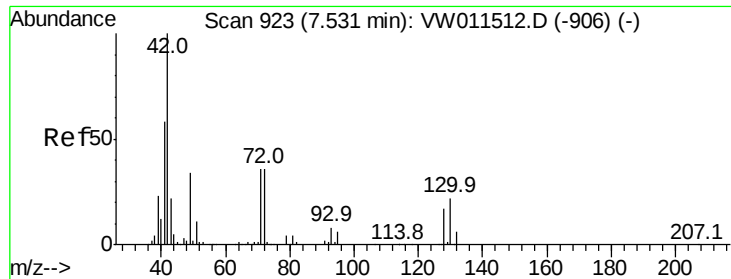


#28

Bromochloromethane
 Concen: 147.020 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.0#
130	58.3	46.3	69.5





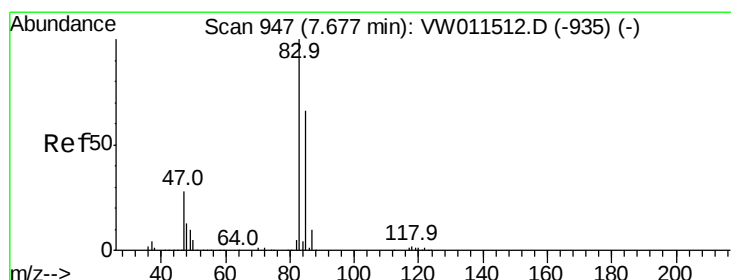
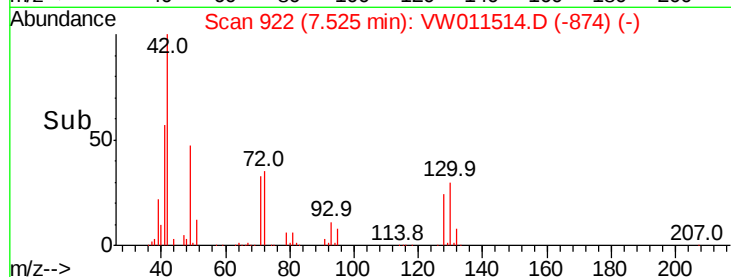
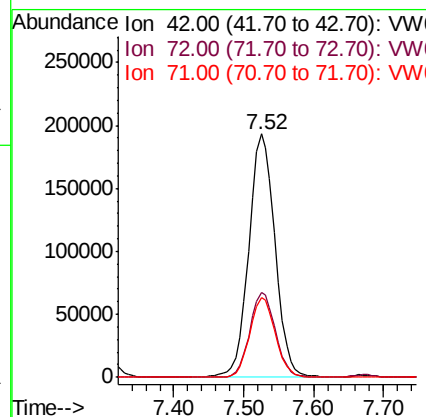
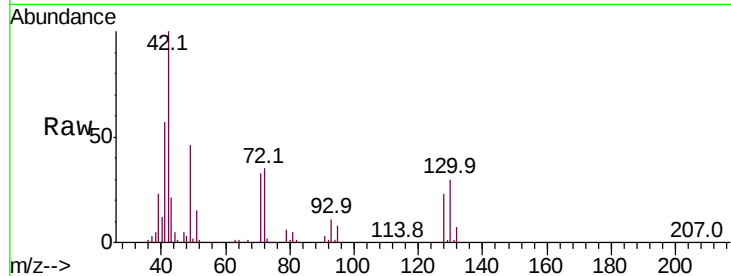
#29
Tetrahydrofuran
Concen: 768.913 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.1	40.7
71	32.2	26.2	39.4

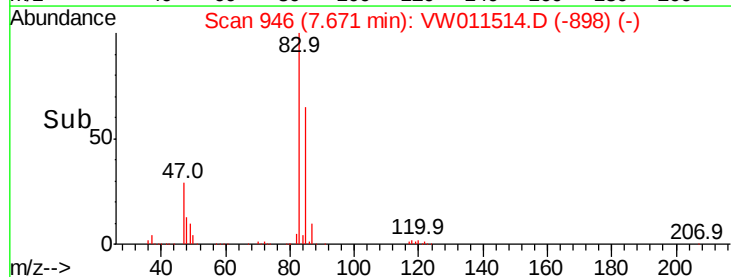
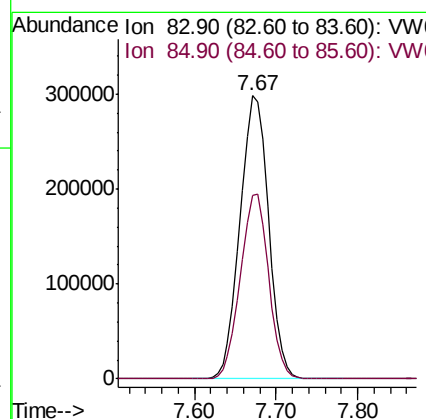
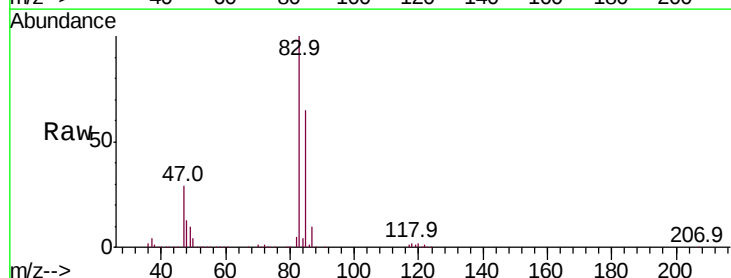
Manual Integrations
APPROVED

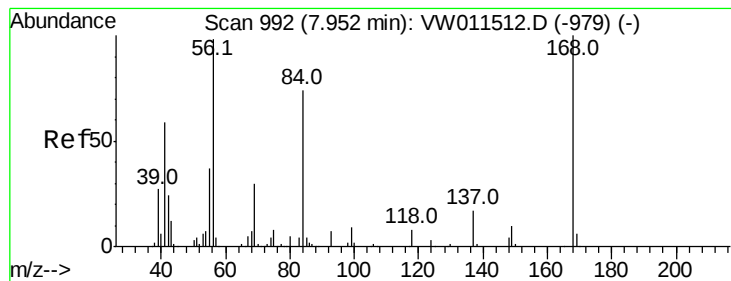
MMDadoda
7/29/2019 9:17:53 AM



#30
Chloroform
Concen: 147.048 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.5	78.7





#31

Cyclohexane

Concen: 135.865 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 696614

Ion Ratio Lower Upper

56 100

69 28.9 24.3 36.5

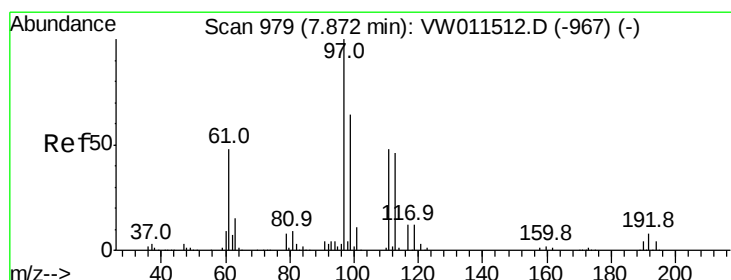
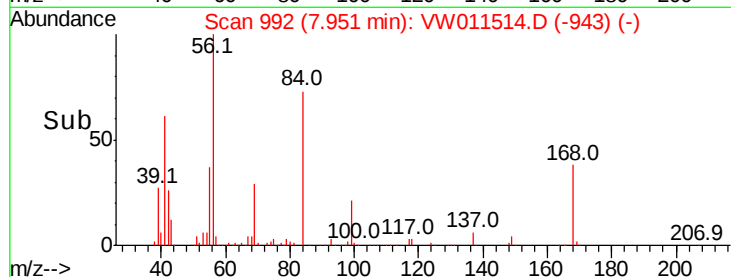
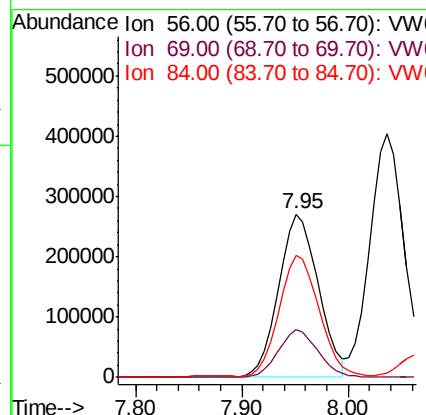
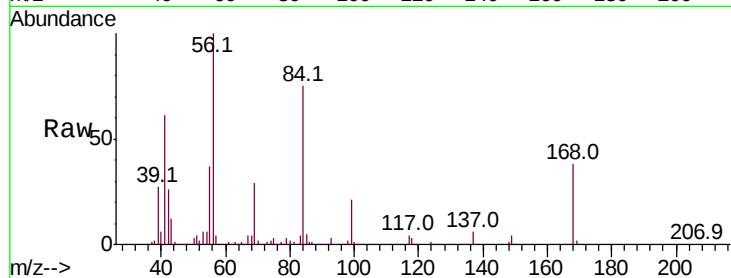
84 74.1 60.4 90.6

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#32

1,1,1-Trichloroethane

Concen: 149.020 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

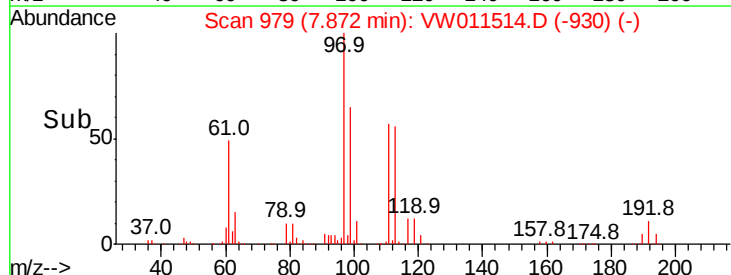
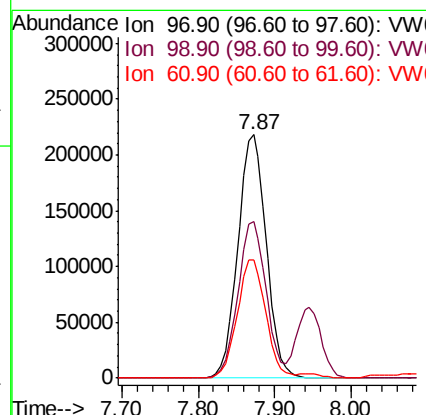
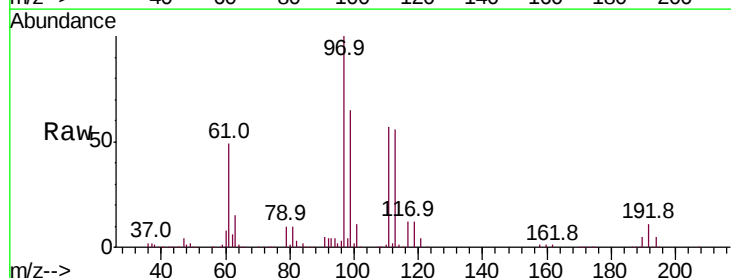
Tgt Ion: 97 Resp: 559250

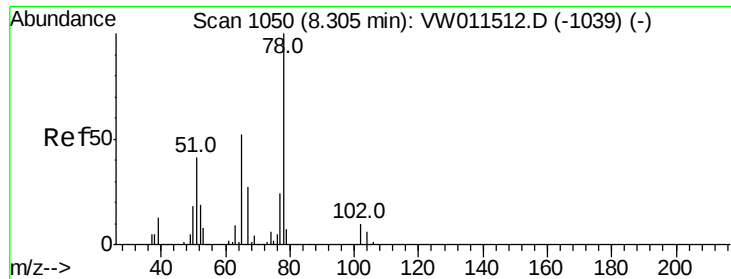
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

61 49.0 39.8 59.6





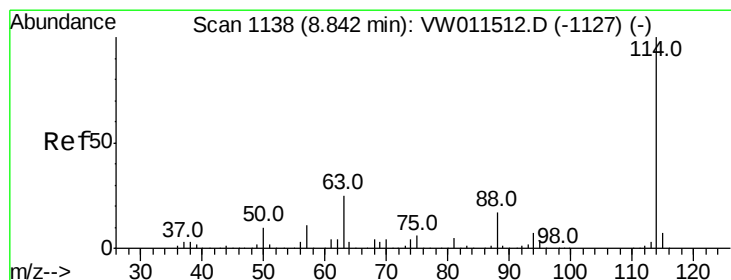
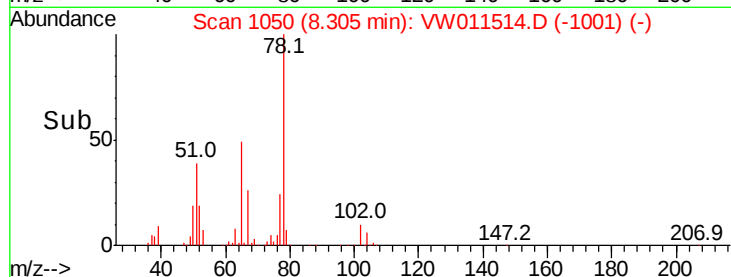
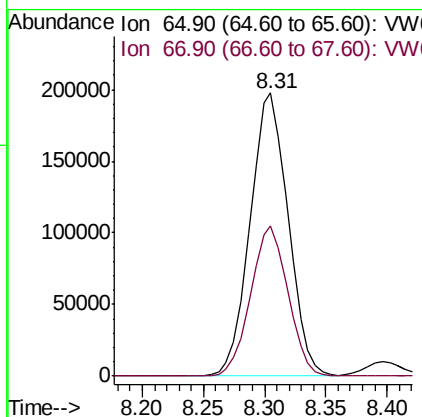
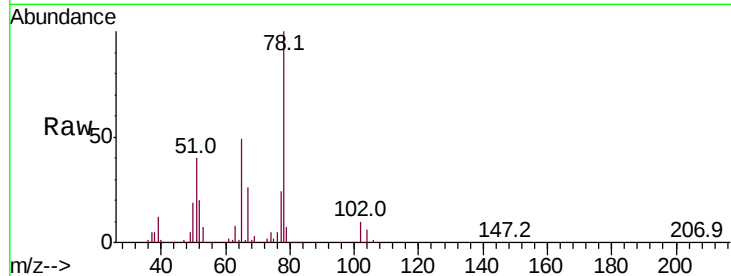
#33
 1,2-Dichloroethane-d4
 Concen: 155.960 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.2

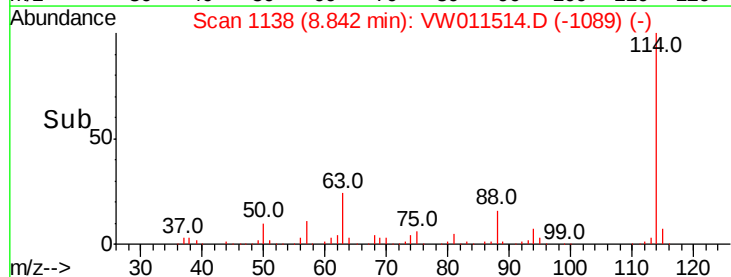
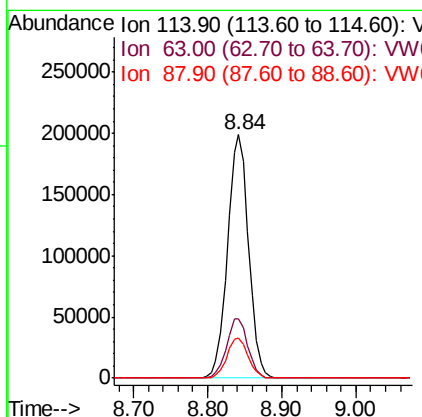
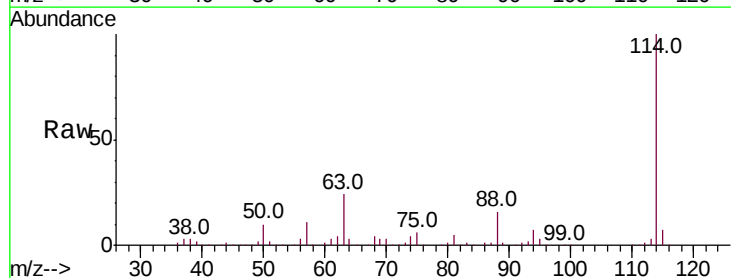
Manual Integrations
 APPROVED

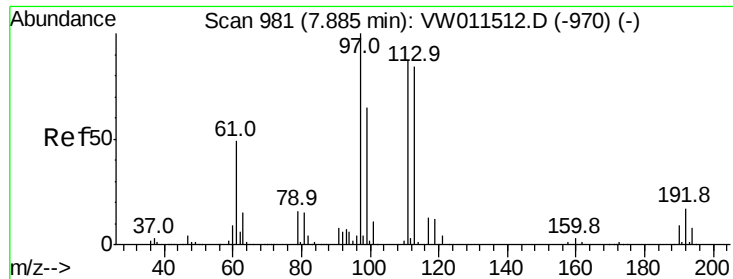
MMDadoda
 7/29/2019 9:17:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	16.4	0.0	33.8





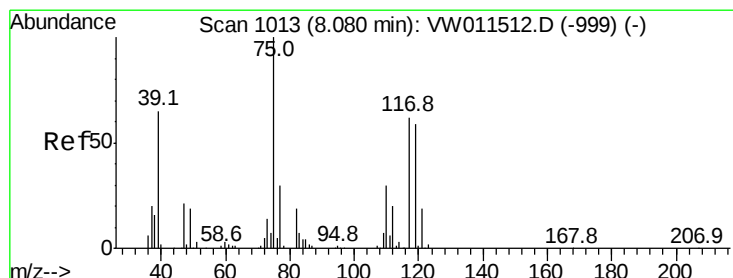
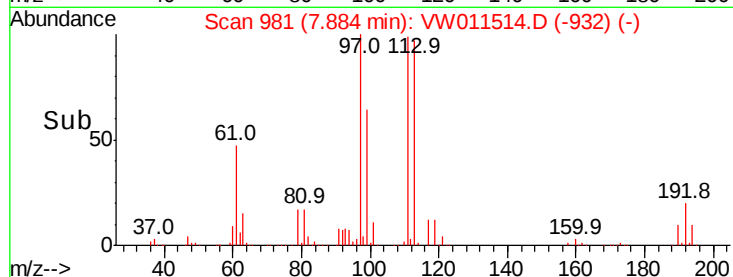
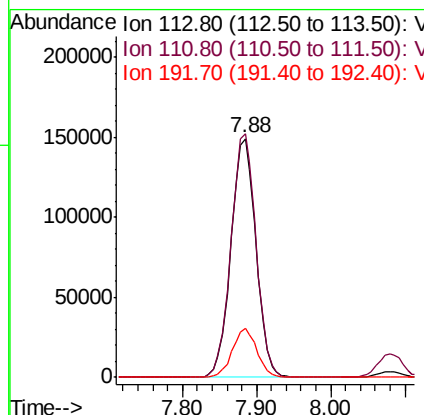
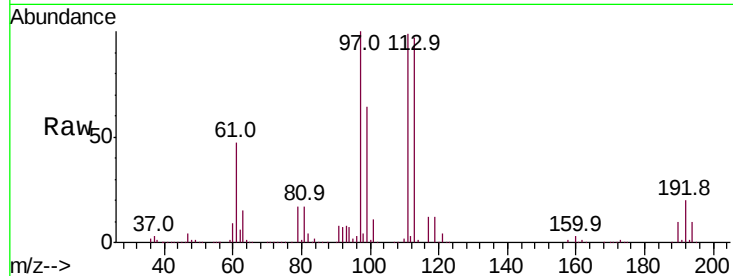
#35
 Dibromofluoromethane
 Concen: 159.878 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	350350		
111	102.3	82.7	124.1	
192	20.1	16.1	24.1	

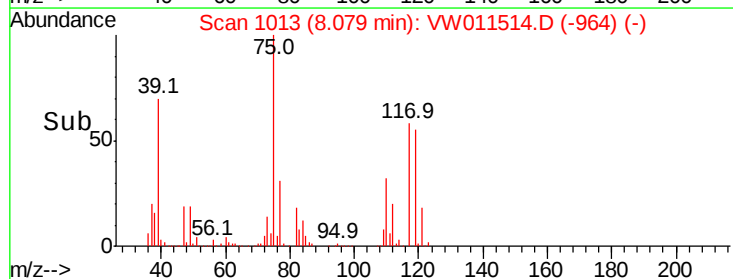
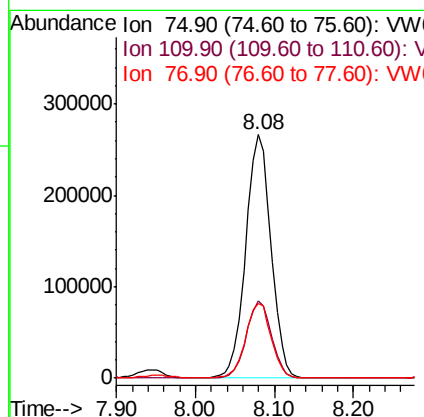
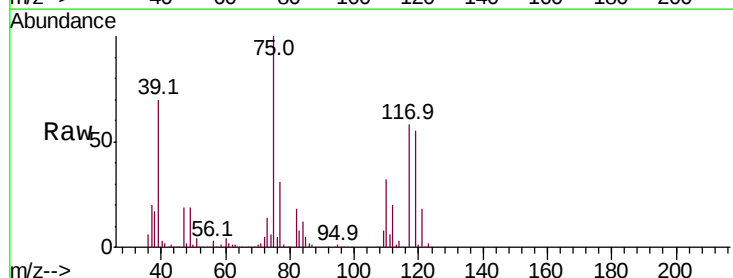
Manual Integrations
 APPROVED

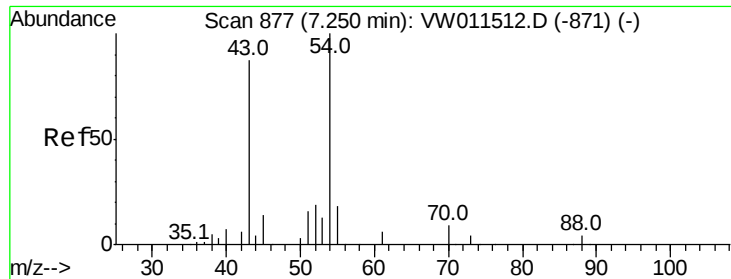
MMDadoda
 7/29/2019 9:17:53 AM



#36
 1,1-Dichloropropene
 Concen: 146.007 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	593019		
110	31.7	15.6	46.8	
77	31.1	24.3	36.5	





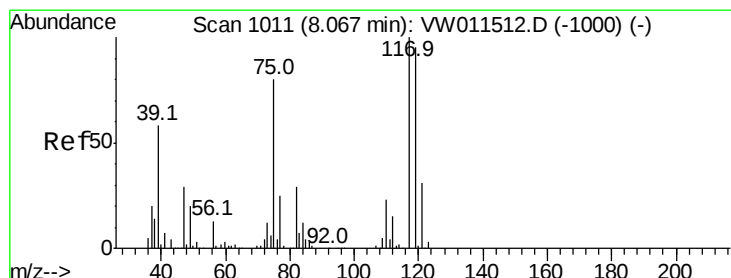
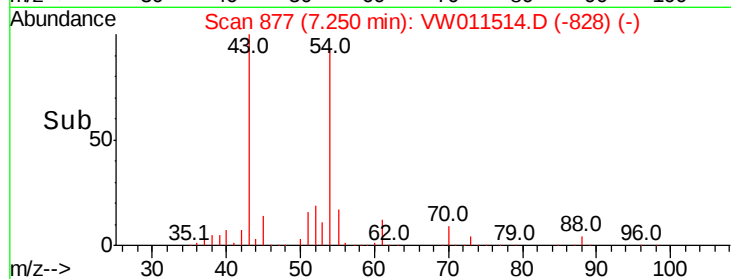
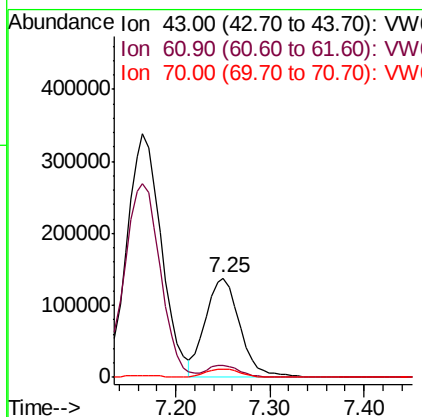
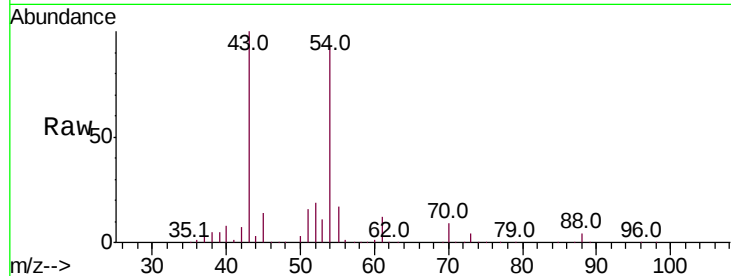
#37
Ethyl Acetate
Concen: 149.295 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	8.8	13.2
70	8.7	7.1	10.7

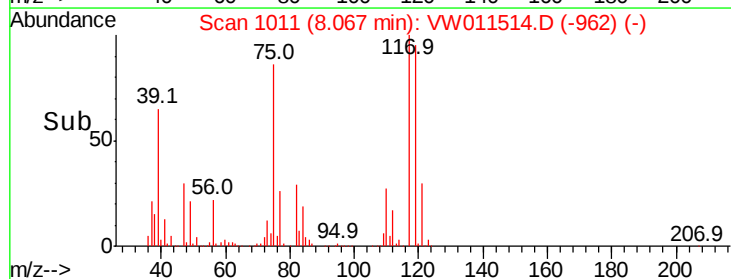
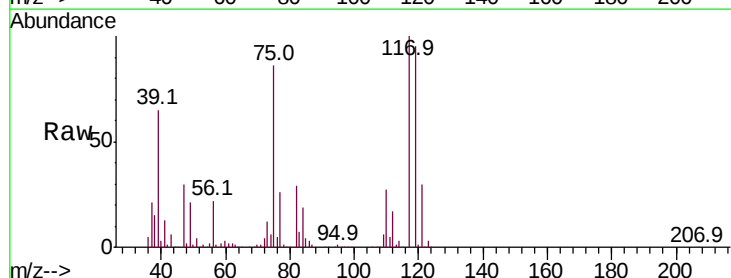
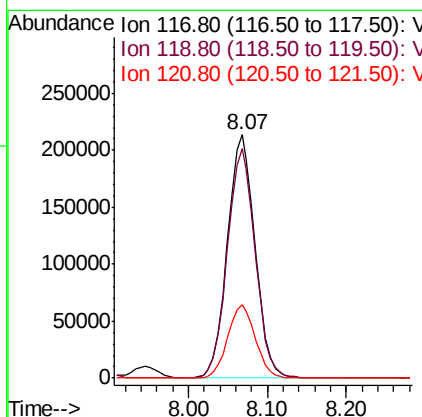
Manual Integrations
APPROVED

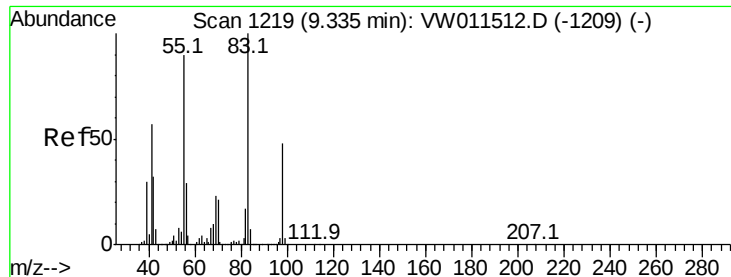
MMDadoda
7/29/2019 9:17:53 AM



#38
Carbon Tetrachloride
Concen: 149.343 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.6
121	30.4	24.7	37.1





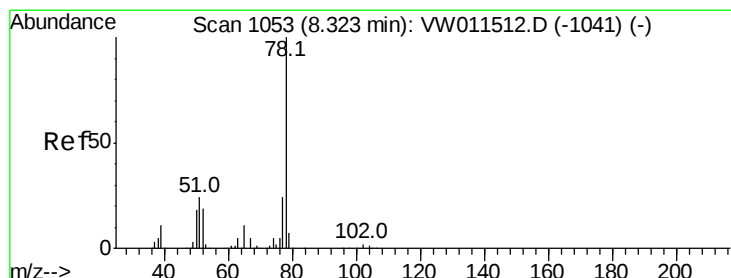
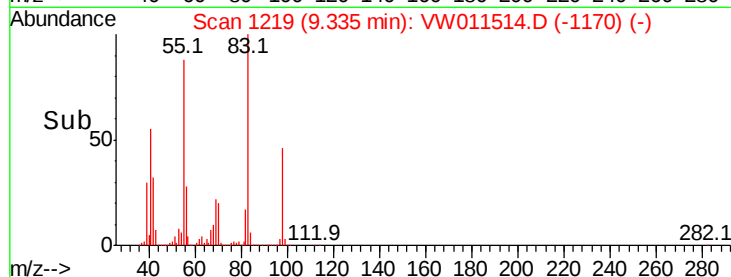
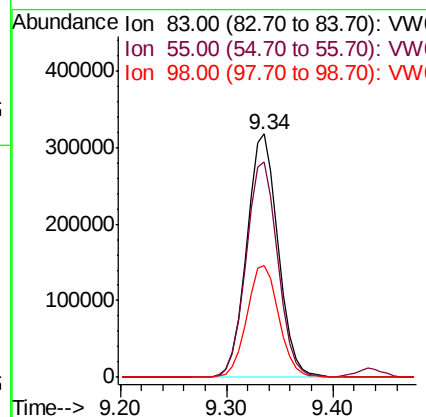
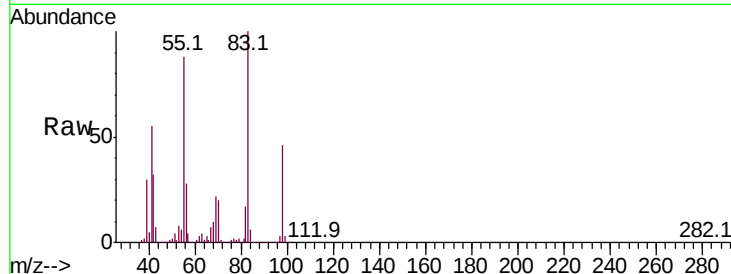
#39
Methvlcvclohexane
Concen: 147.378 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	659116
Ion Ratio	100	Lower	Upper
83	100		
55	88.3	72.1	108.1
98	45.9	38.6	57.8

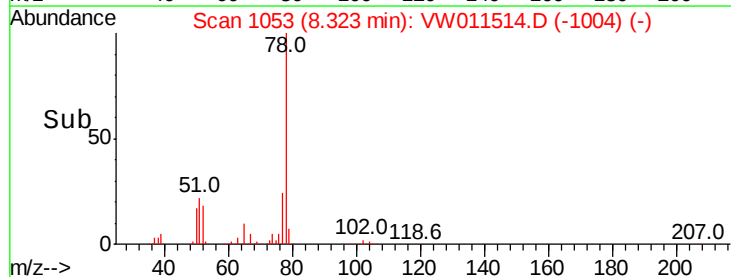
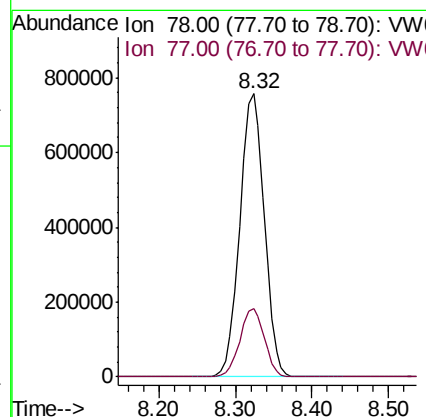
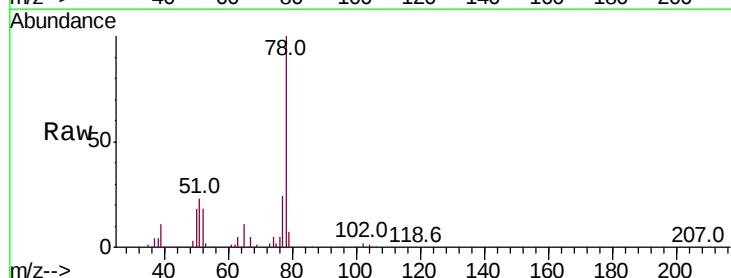
Manual Integrations
APPROVED

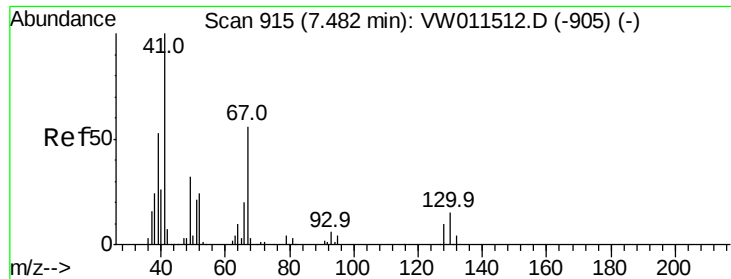
MMDadoda
7/29/2019 9:17:53 AM



#40
Benzene
Concen: 147.699 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	78	Resp	1680332
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.4	29.0





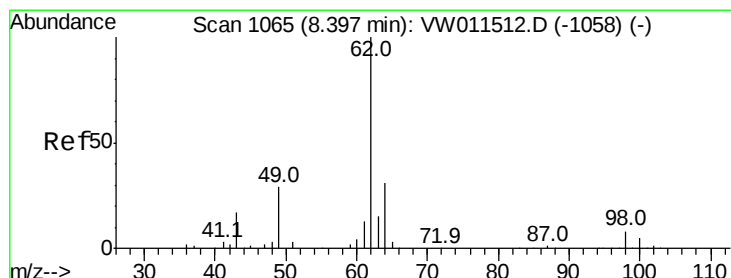
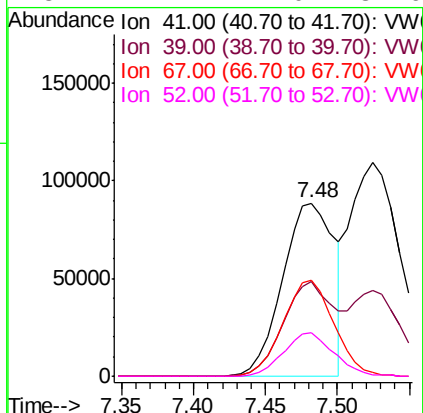
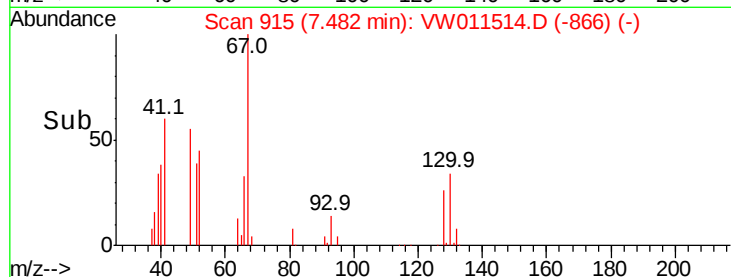
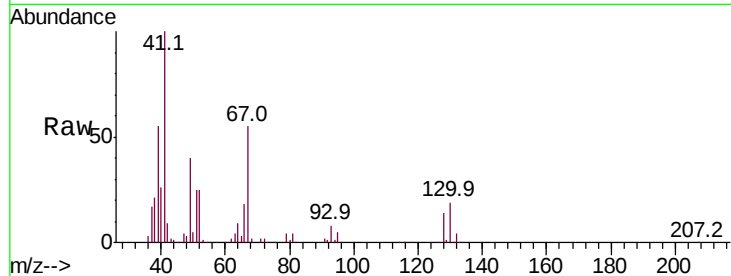
#41
Methacrylonitrile
Concen: 158.889 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.0	64.4
67	54.8	47.5	71.3
52	24.7	21.0	31.6

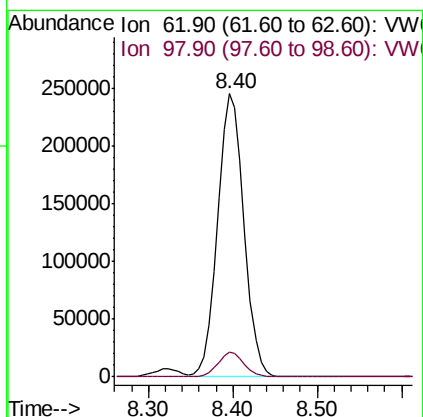
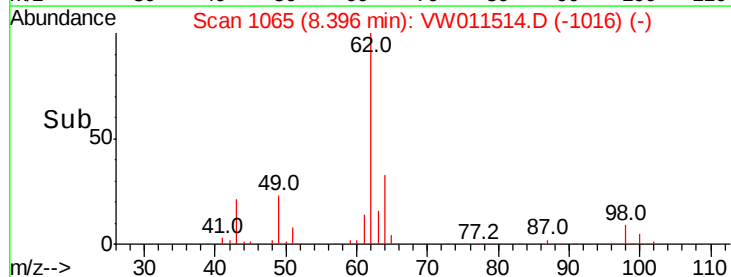
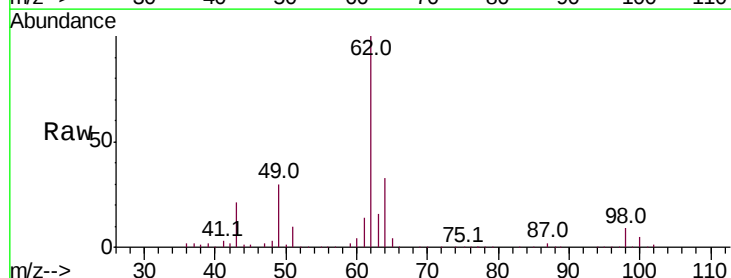
Manual Integrations
APPROVED

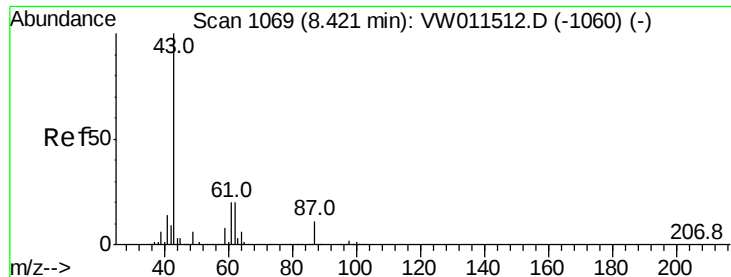
MMDadoda
7/29/2019 9:17:53 AM



#42
1,2-Dichloroethane
Concen: 148.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 158.444 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

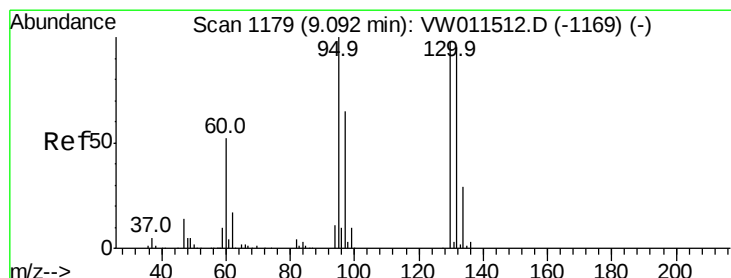
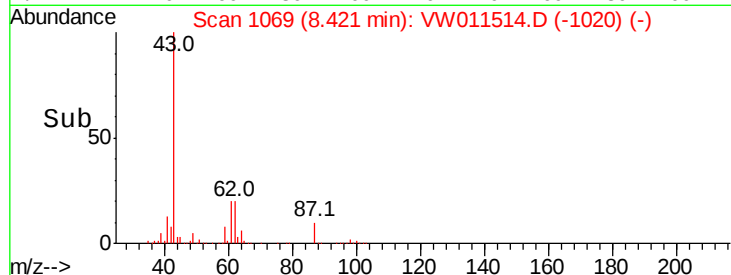
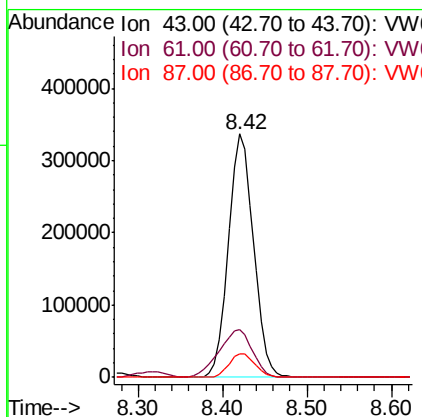
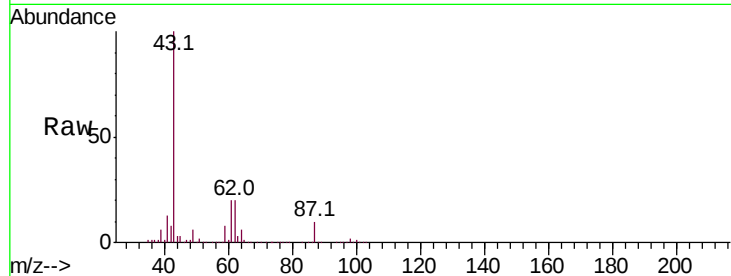
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	680902
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.5	32.3
87	10.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM



#44

Trichloroethene

Concen: 150.591 ug/l

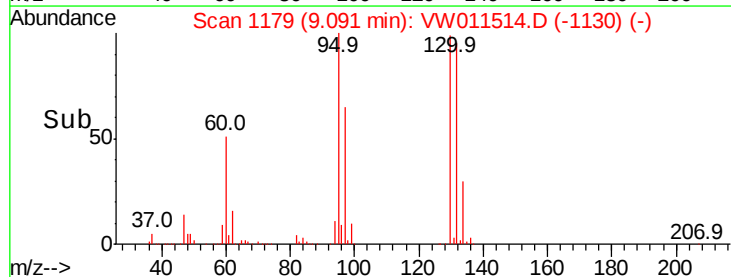
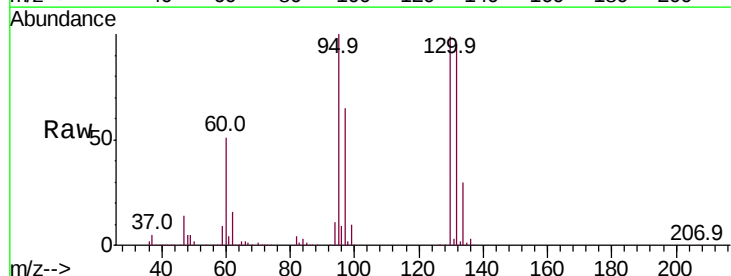
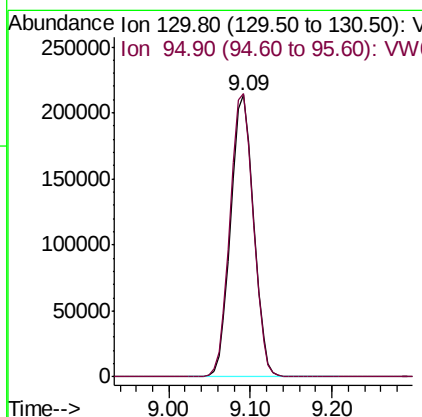
RT: 9.09 min Scan# 1179

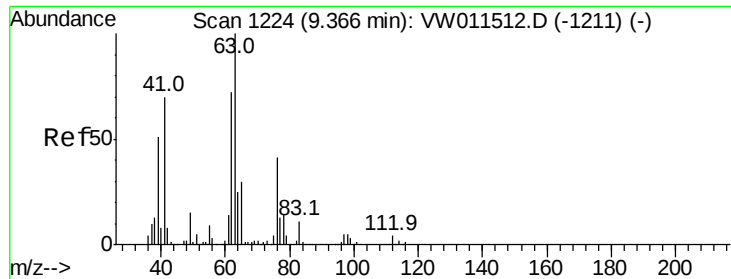
Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion:	130	Resp:	411772
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	204.8





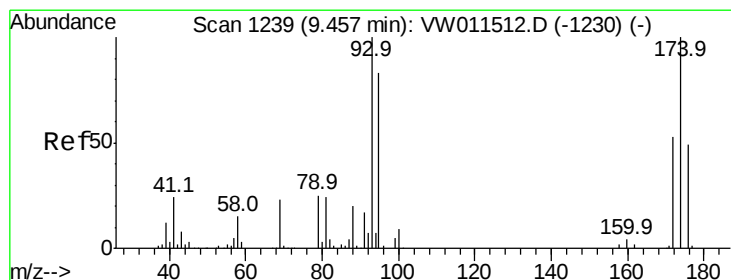
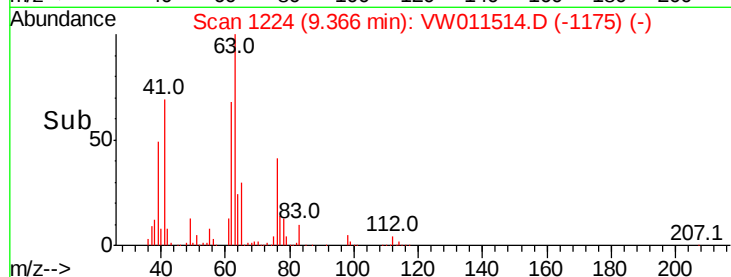
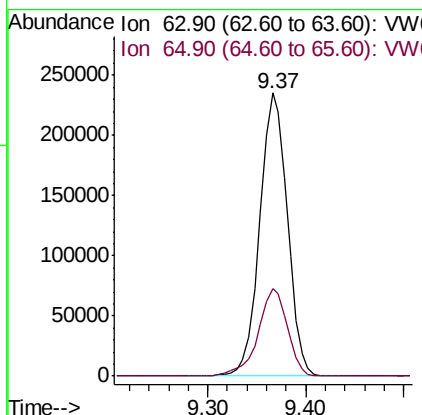
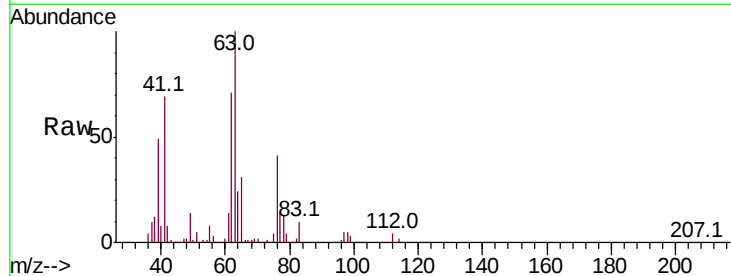
#45
 1,2-Dichloropropane
 Concen: 151.395 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 460850
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4

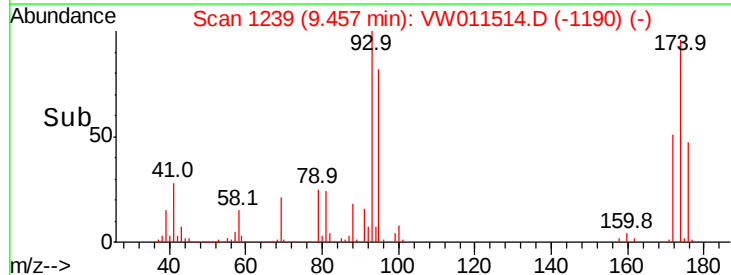
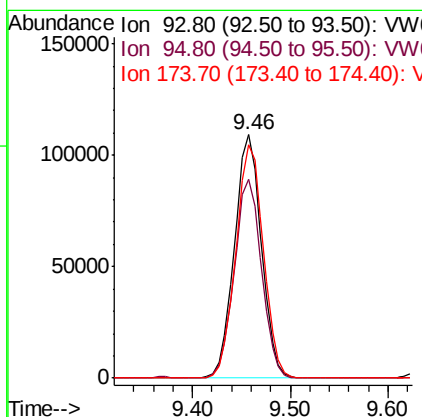
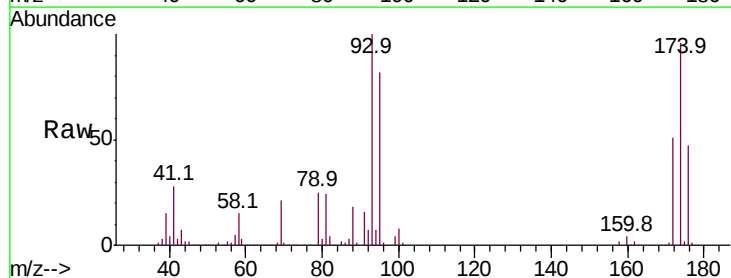
Manual Integrations
 APPROVED

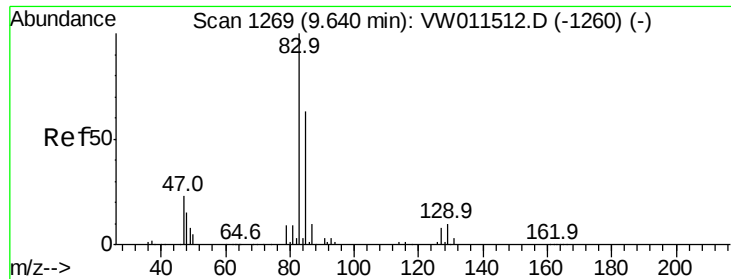
MMDadoda
 7/29/2019 9:17:53 AM



#46
 Dibromomethane
 Concen: 150.333 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion: 93 Resp: 208865
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 98.0 78.2 117.4





#47

Bromodichloromethane

Concen: 154.685 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

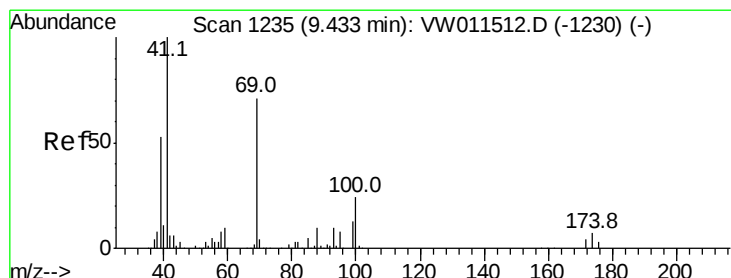
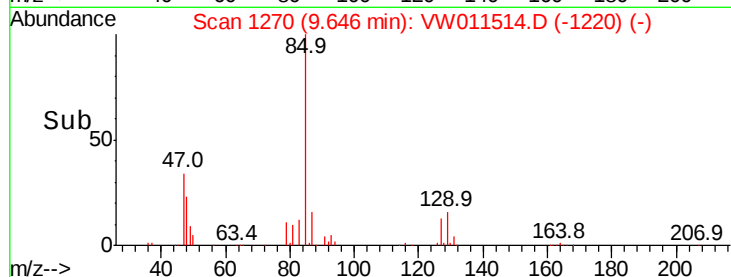
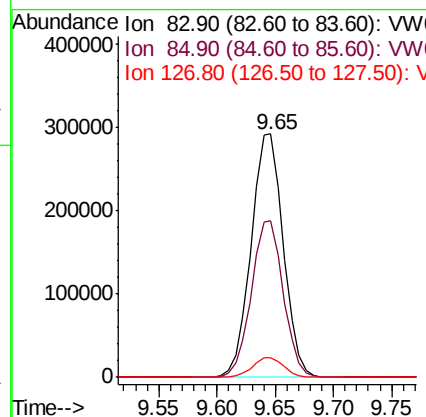
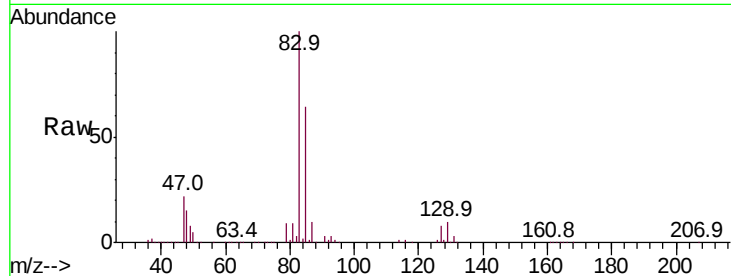
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	563741
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.5	75.7
127	8.1	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM



#48

Methyl methacrylate

Concen: 161.856 ug/l

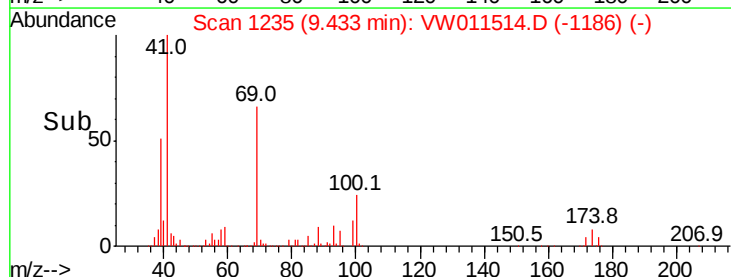
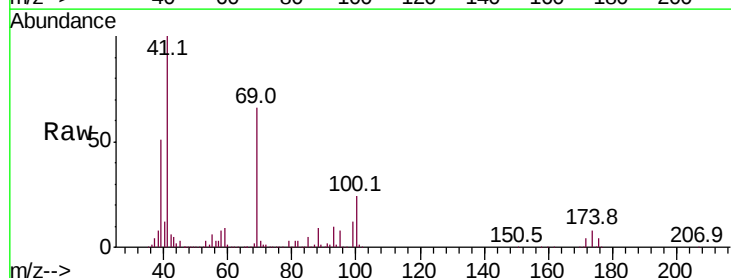
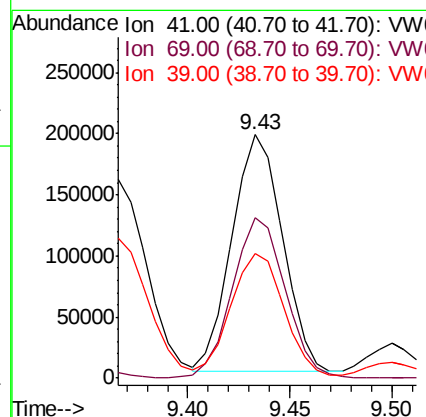
RT: 9.43 min Scan# 1235

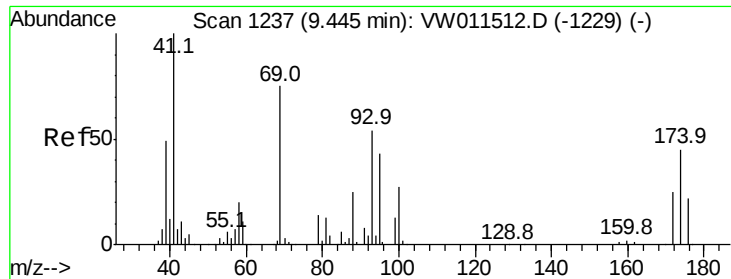
Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion:	41	Resp:	334124
Ion Ratio	Lower	Upper	
41	100		
69	71.1	57.1	85.7
39	55.8	45.4	68.2





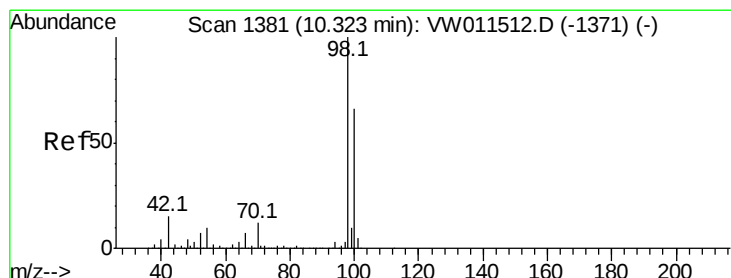
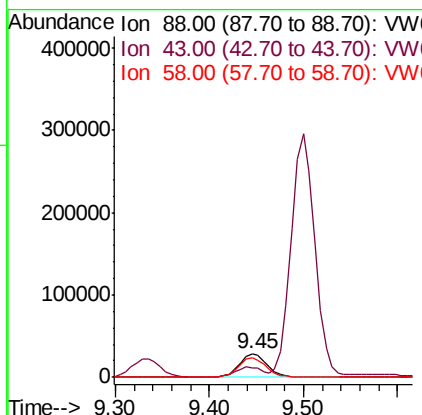
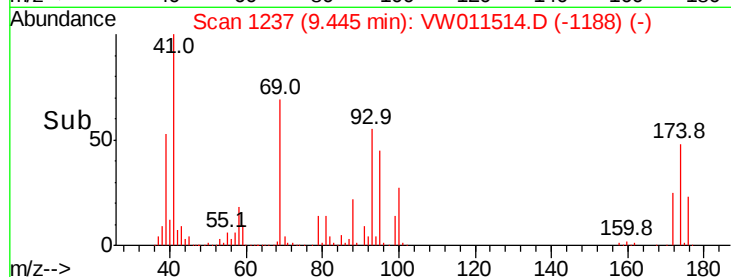
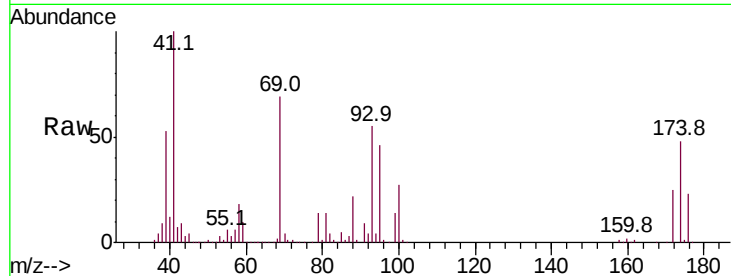
#49
 1,4-Dioxane
 Concen: 2932.952 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	88	Resp	59002
Ion	Ratio	Lower	Upper
88	100		
43	44.2	34.0	51.0
58	85.7	69.7	104.5

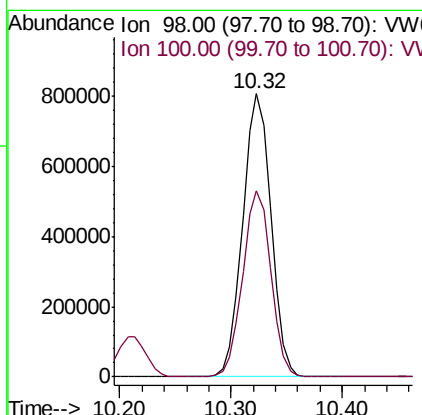
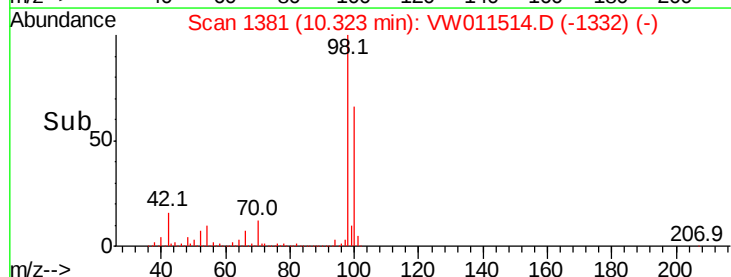
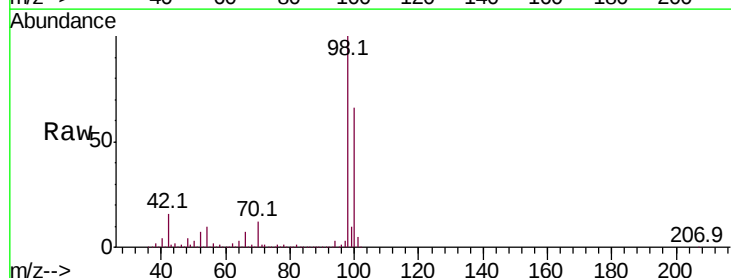
Manual Integrations
 APPROVED

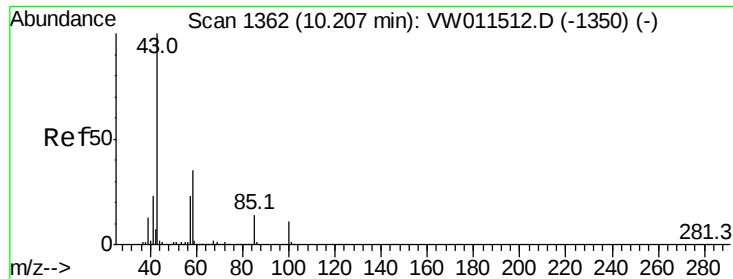
MMDadoda
 7/29/2019 9:17:53 AM



#50
 Toluene-d8
 Concen: 158.861 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion	98	Resp	1425319
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 768.351 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1717499

Ion Ratio Lower Upper

43 100

58 35.3

28.2

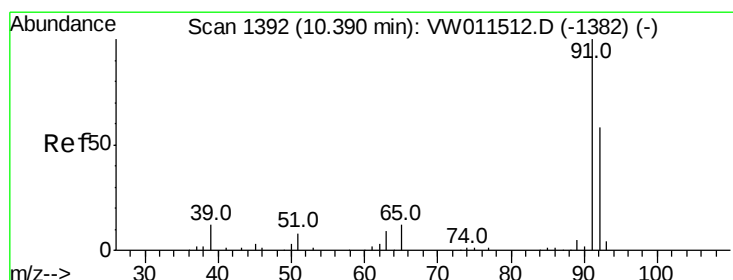
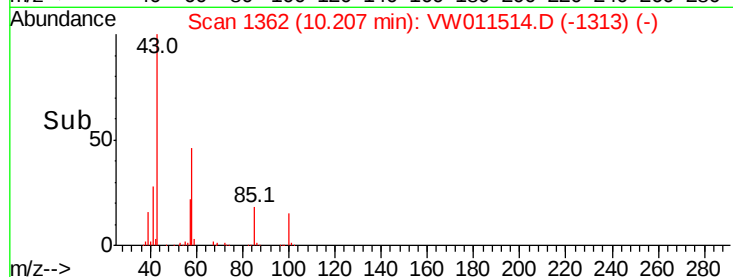
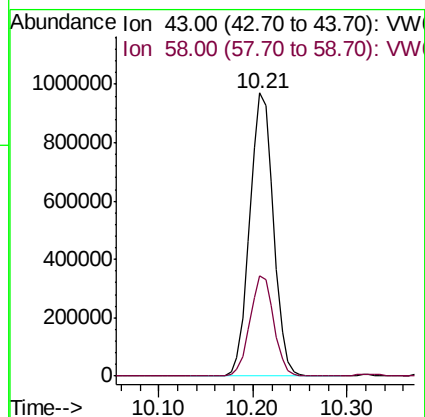
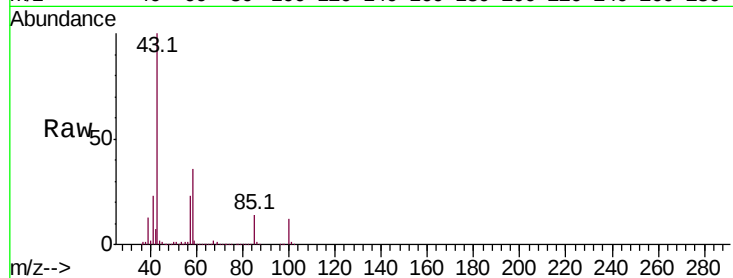
42.2

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



#52

Toluene

Concen: 150.800 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion: 92 Resp: 1036052

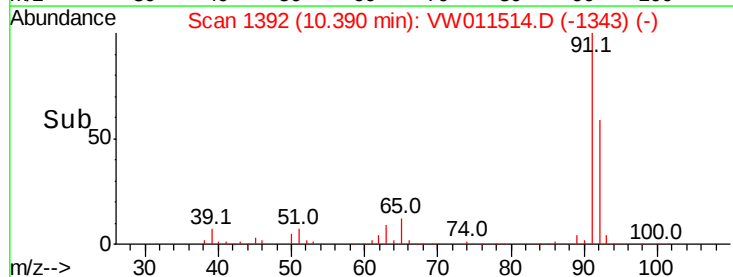
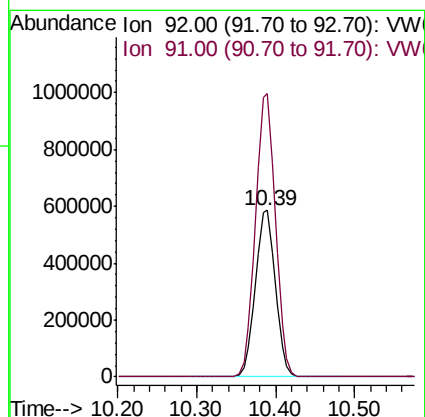
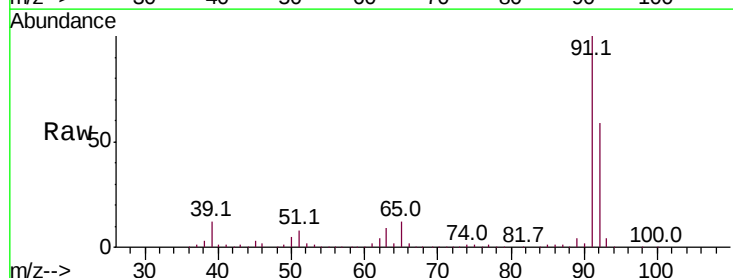
Ion Ratio Lower Upper

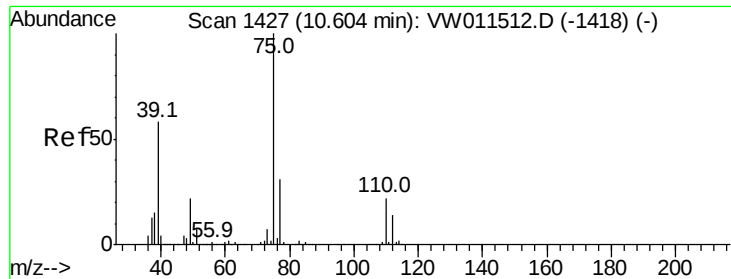
92 100

91 170.3

136.7

205.1





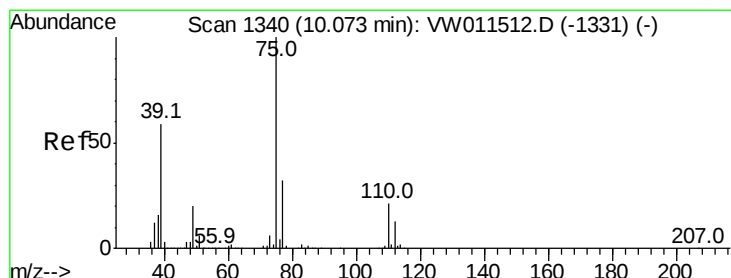
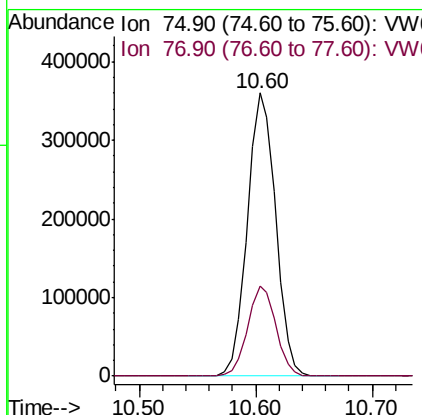
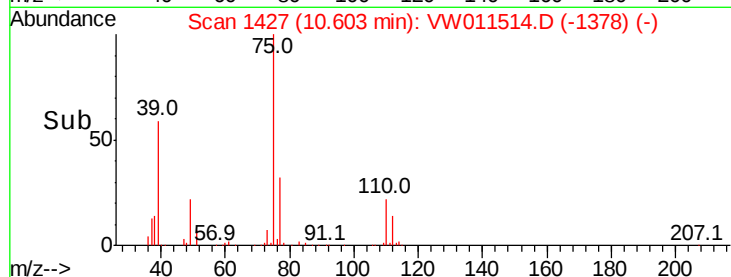
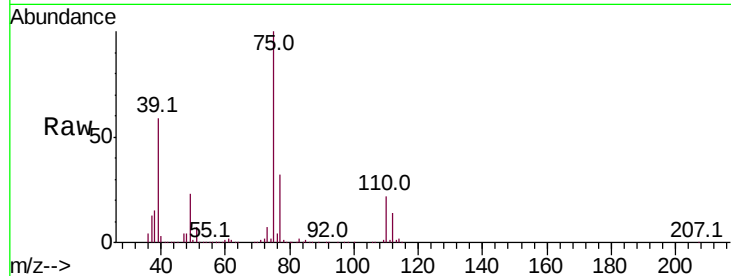
#53
t-1,3-Dichloropropene
Concen: 160.606 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 611431
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

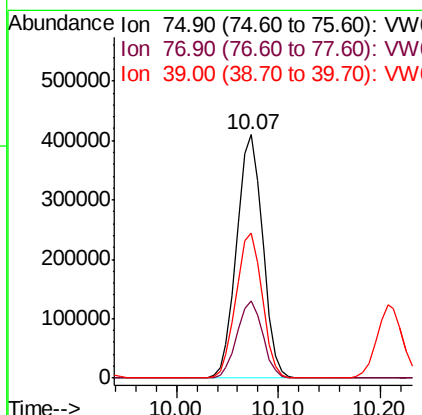
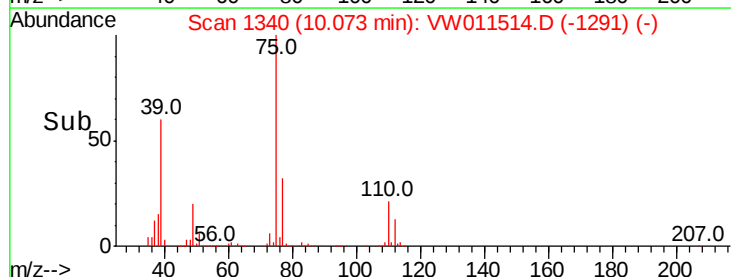
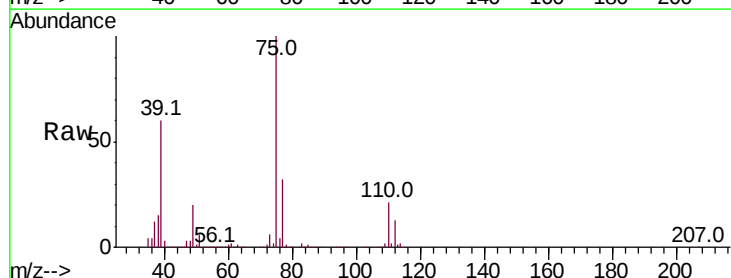
Manual Integrations
APPROVED

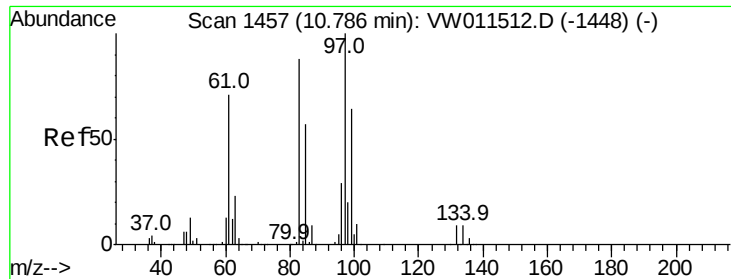
MMDadoda
7/29/2019 9:17:53 AM



#54
cis-1,3-Dichloropropene
Concen: 159.381 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion: 75 Resp: 721445
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 59.8 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 151.479 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 298608

Ion Ratio Lower Upper

97 100

83 86.9 70.5 105.7

85 55.8 45.8 68.6

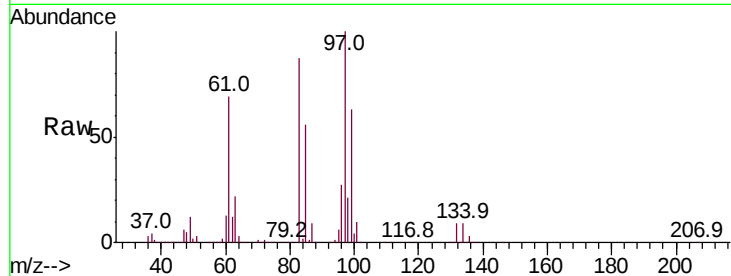
99 62.9 51.0 76.4

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM

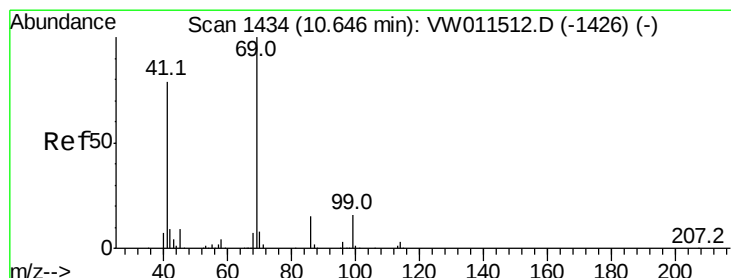
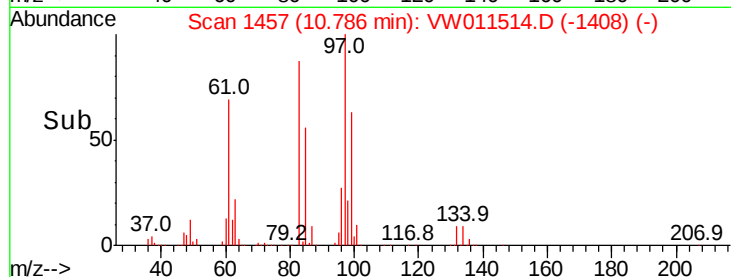
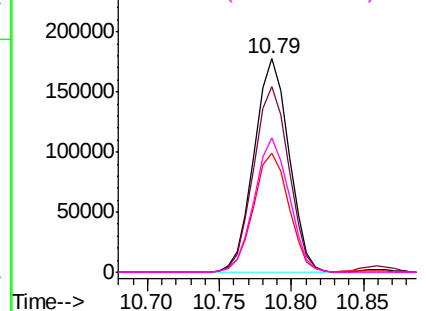


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 163.820 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

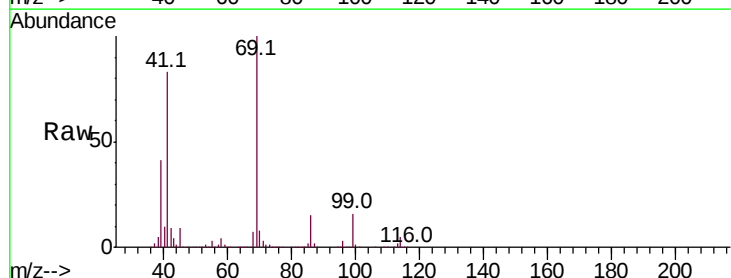
Tgt Ion: 69 Resp: 472558

Ion Ratio Lower Upper

69 100

41 82.6 66.6 99.8

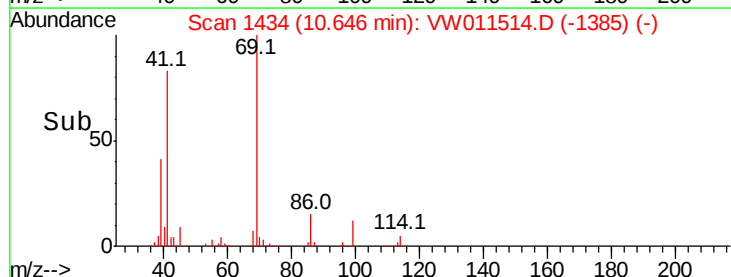
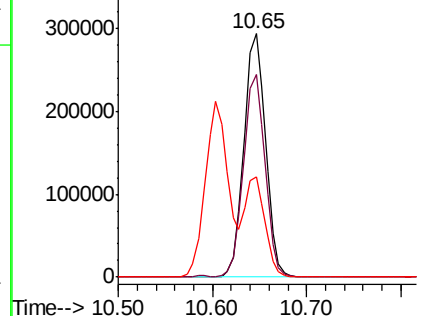
39 37.7 30.3 45.5

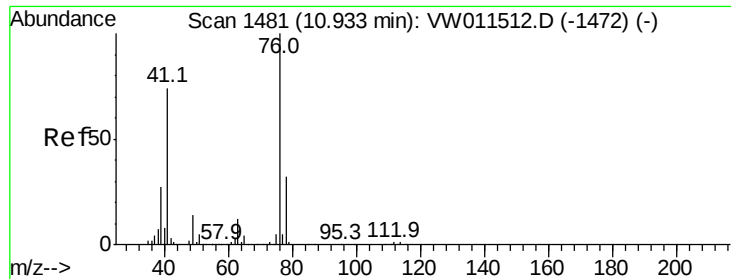


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





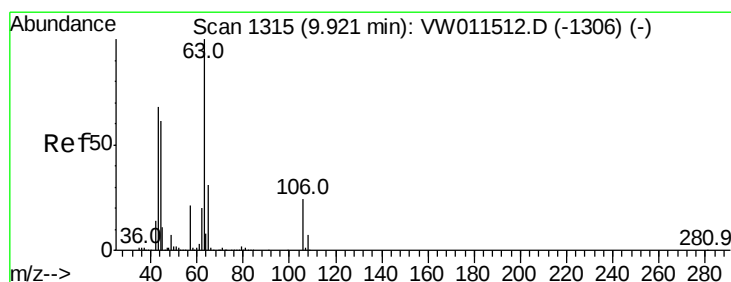
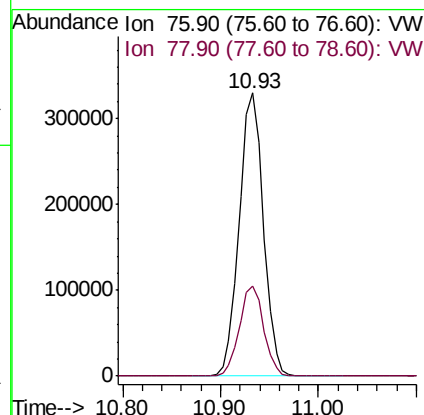
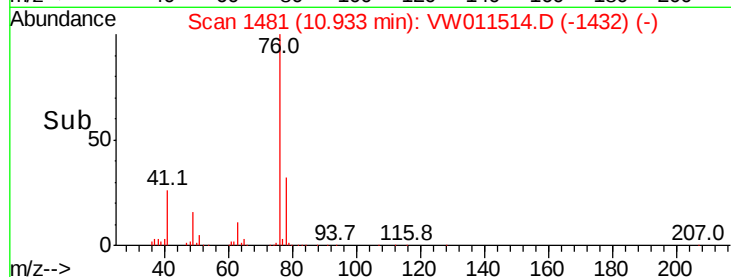
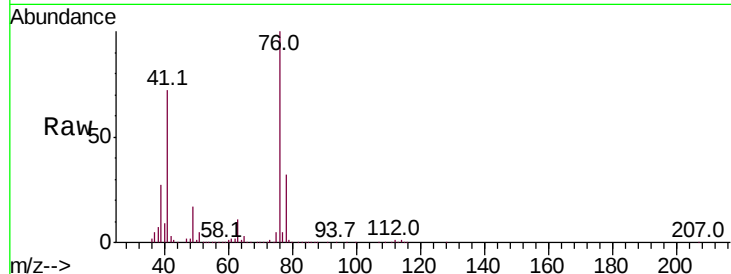
#57
 1,3-Dichloropropane
 Concen: 151.948 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 566686
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

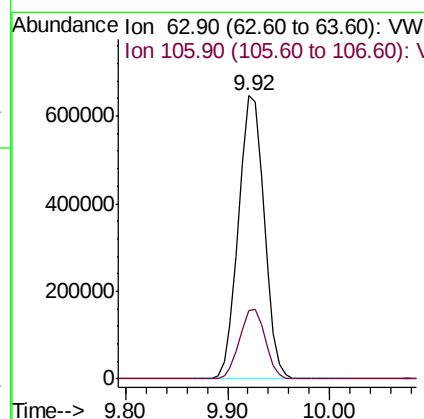
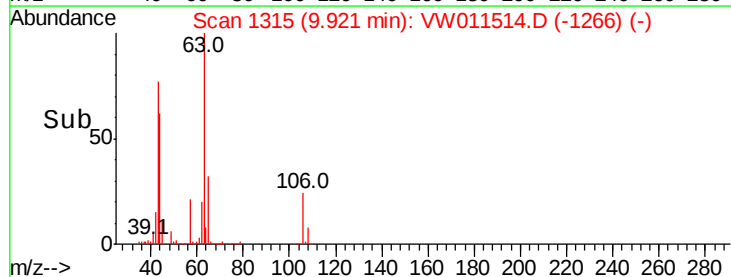
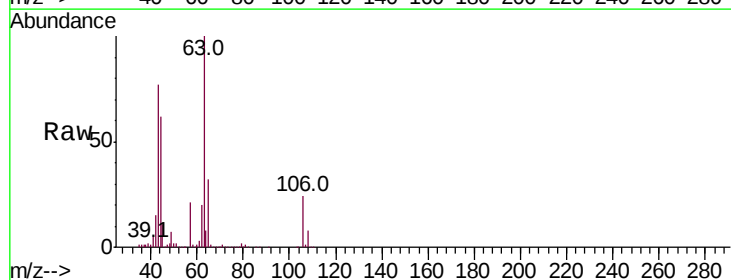
Manual Integrations
 APPROVED

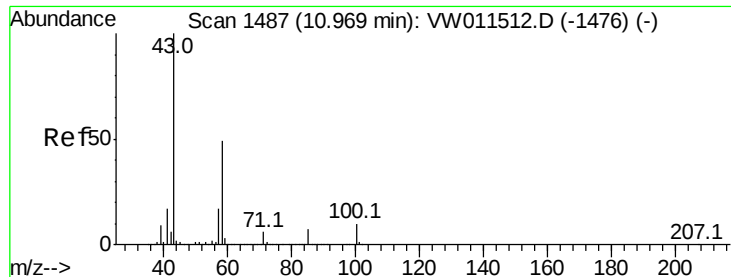
MMDadoda
 7/29/2019 9:17:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 858.992 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion: 63 Resp: 1125049
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





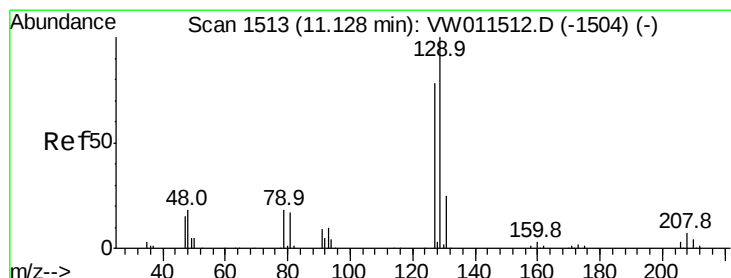
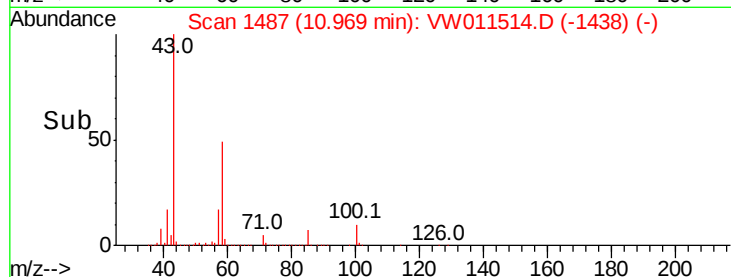
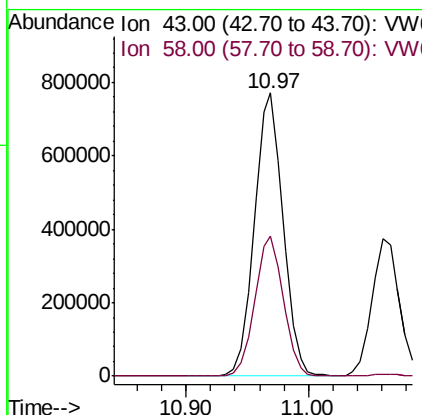
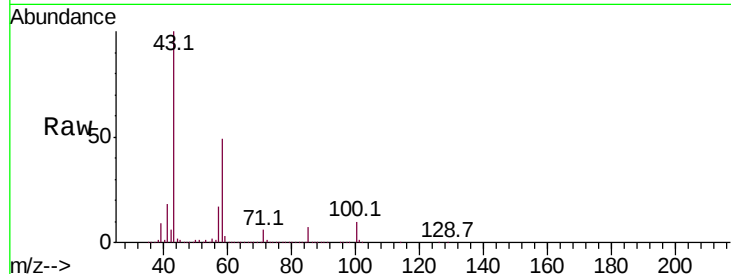
#59
2-Hexanone
Concen: 796.320 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1256809
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9

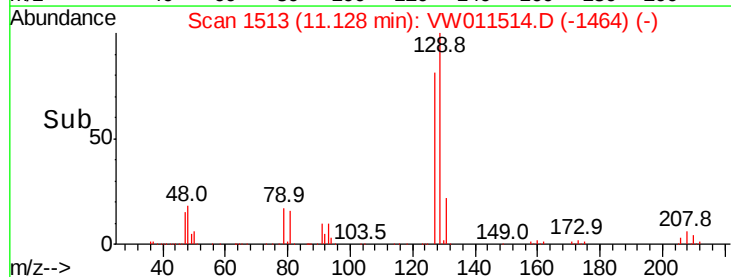
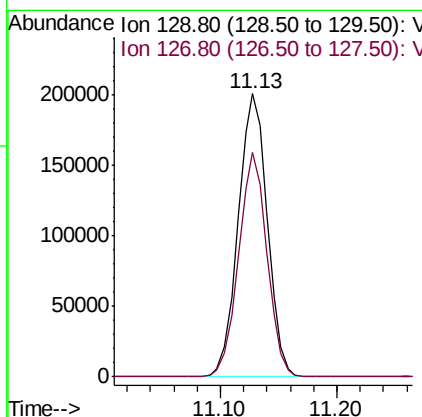
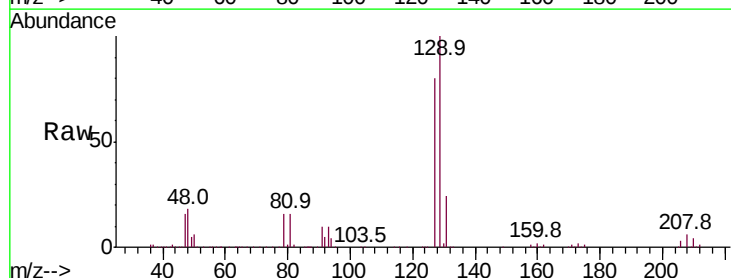
Manual Integrations
APPROVED

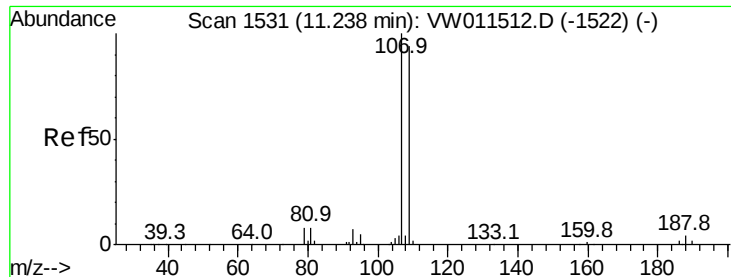
MMDadoda
7/29/2019 9:17:53 AM



#60
Dibromochloromethane
Concen: 160.147 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion: 129 Resp: 350428
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





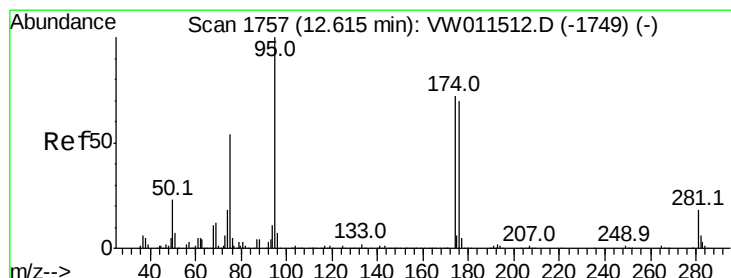
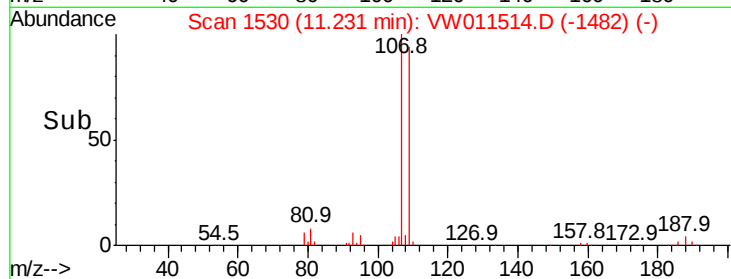
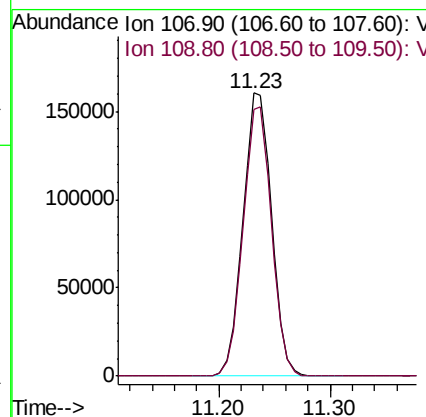
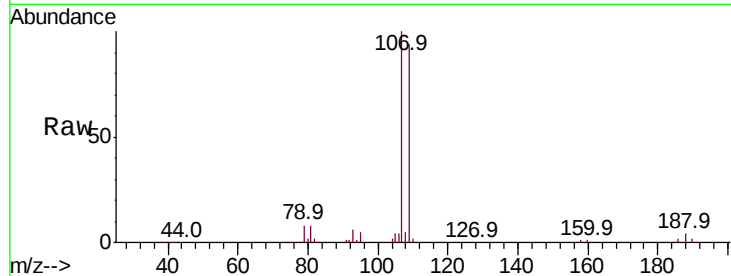
#61
 1,2-Dibromoethane
 Concen: 153.041 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

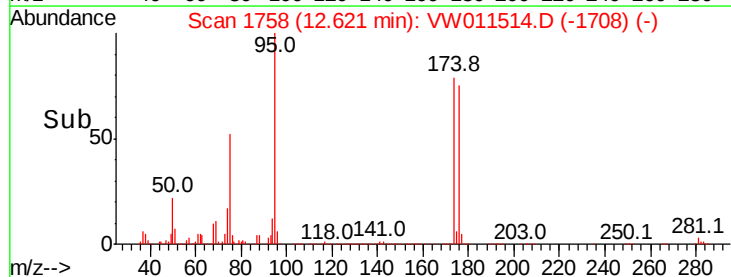
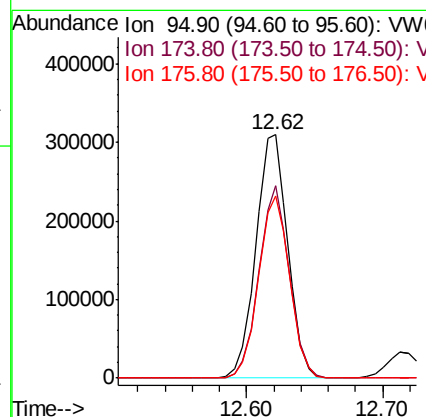
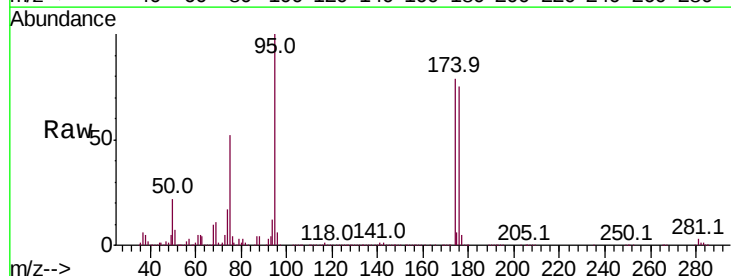
Manual Integrations
 APPROVED

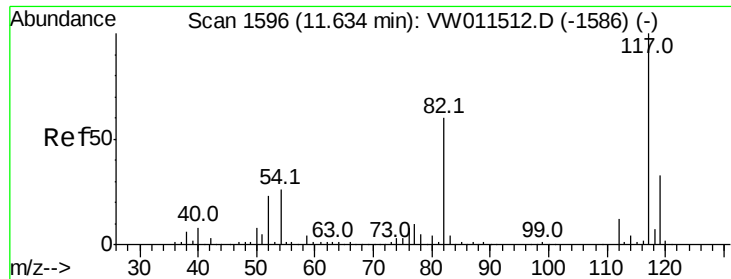
MMDadoda
 7/29/2019 9:17:53 AM



#62
 4-Bromofluorobenzene
 Concen: 158.628 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.2
176	73.2	0.0	144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:117 Resp: 349873

Ion Ratio Lower Upper

117 100

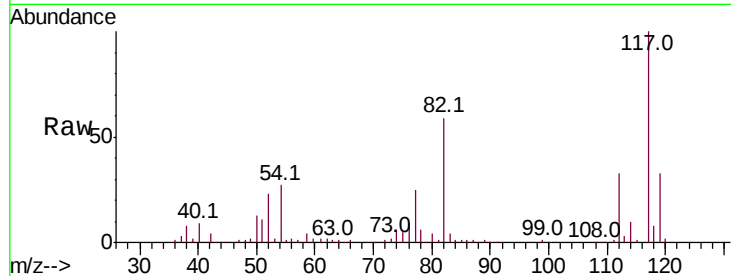
82 58.8 47.9 71.9

119 32.6 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

7/29/2019 9:17:53 AM

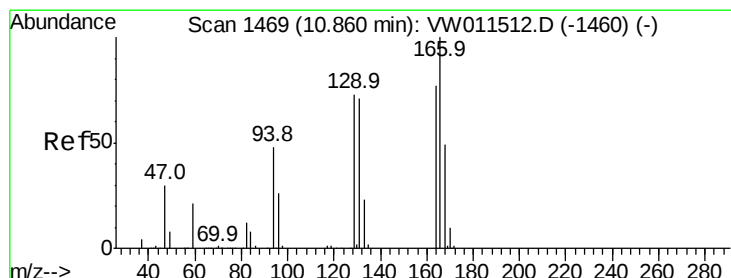
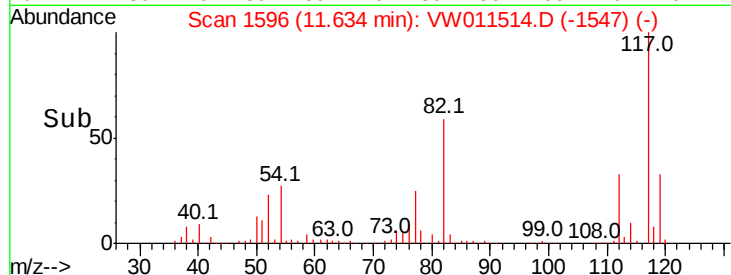
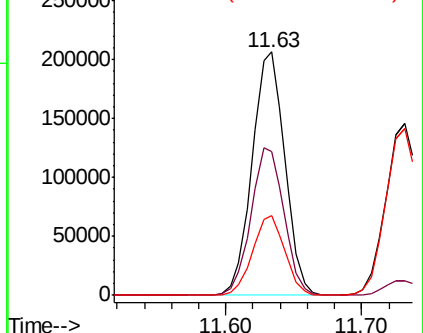


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 146.708 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion:164 Resp: 334210

Ion Ratio Lower Upper

164 100

166 126.4 103.5 155.3

129 93.5 75.2 112.8

131 89.8 73.4 110.2

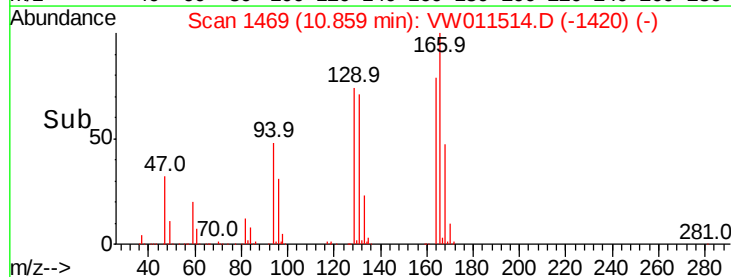
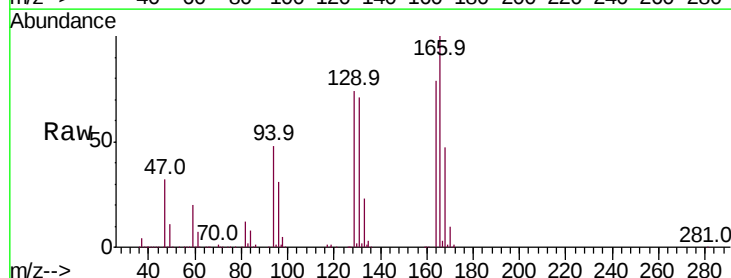
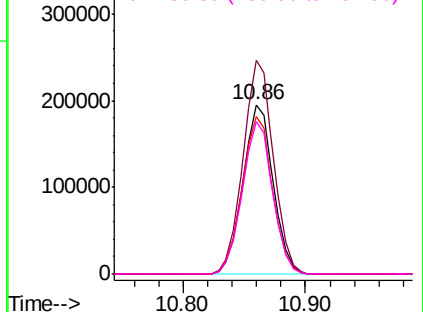
Abundance

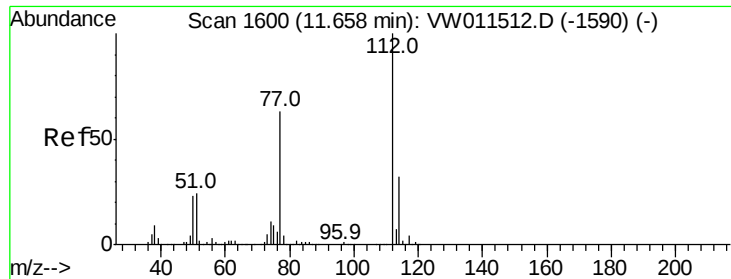
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





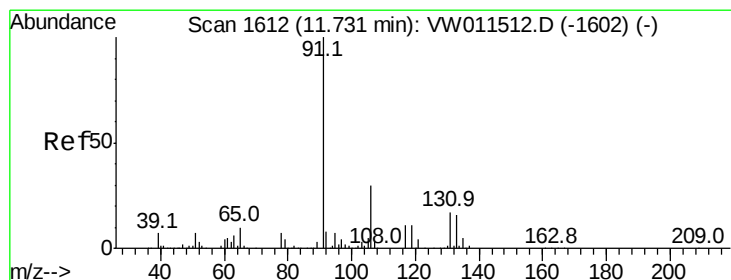
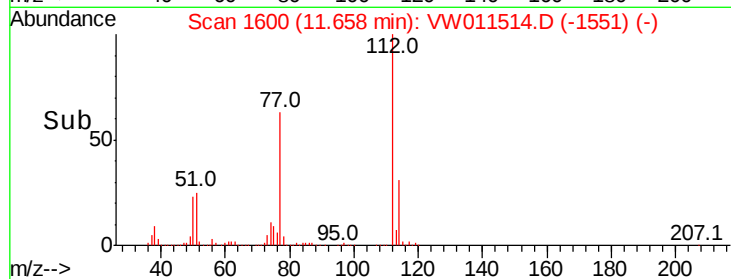
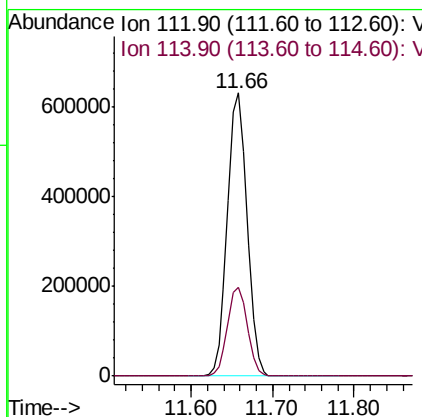
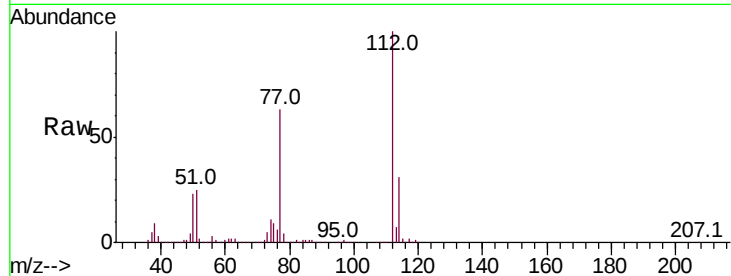
#65
Chlorobenzene
Concen: 148.993 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1048028
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4

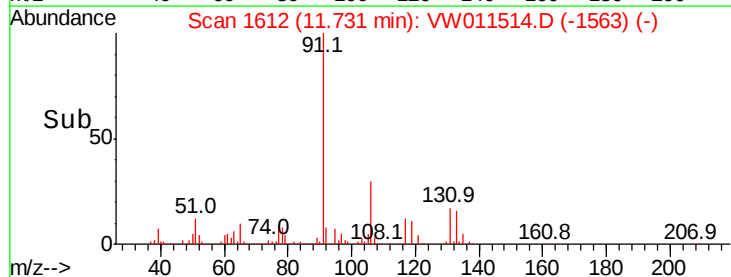
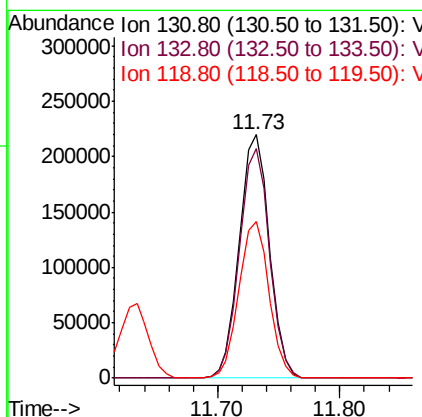
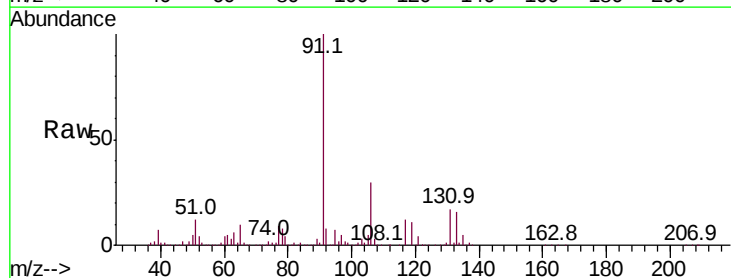
Manual Integrations
APPROVED

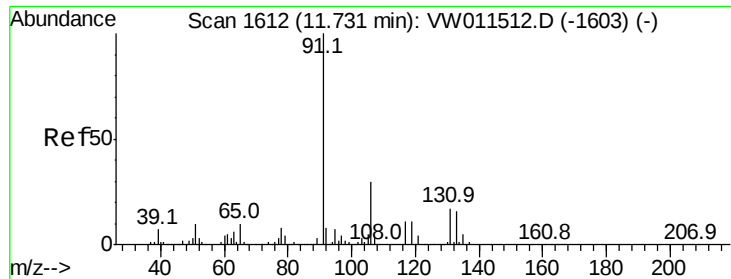
MMDadoda
7/29/2019 9:17:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 152.943 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion:131 Resp: 374731
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.2
119 64.6 32.3 96.9





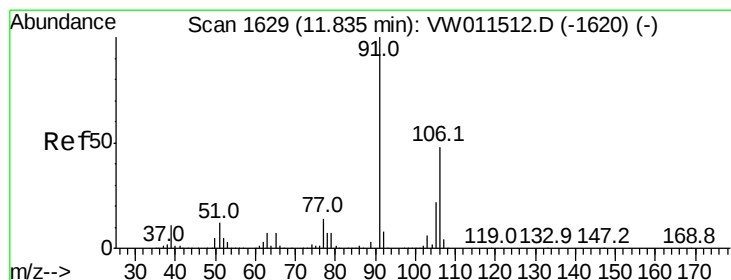
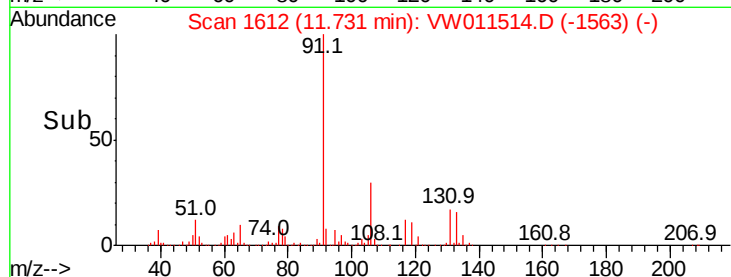
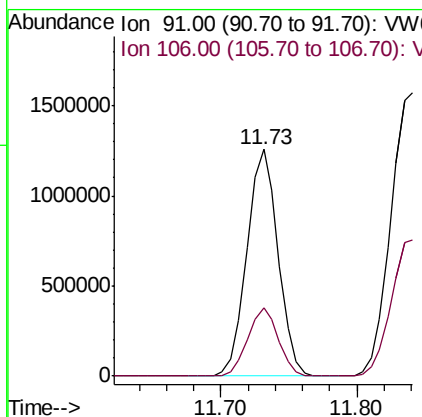
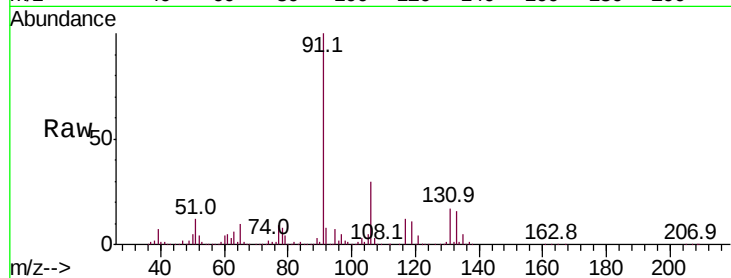
#67
Ethyl Benzene
Concen: 150.555 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2016948
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

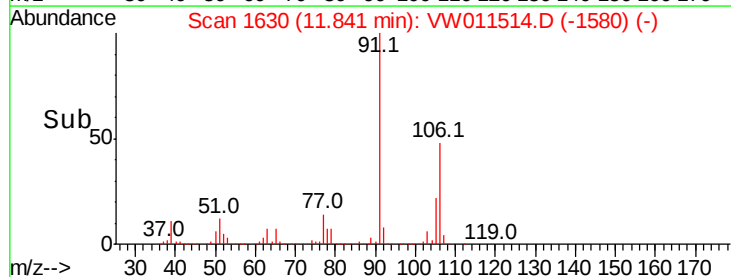
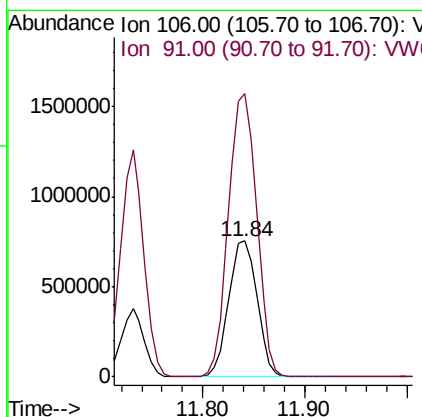
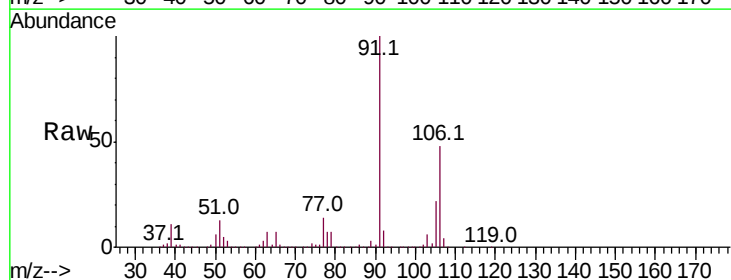
Manual Integrations
APPROVED

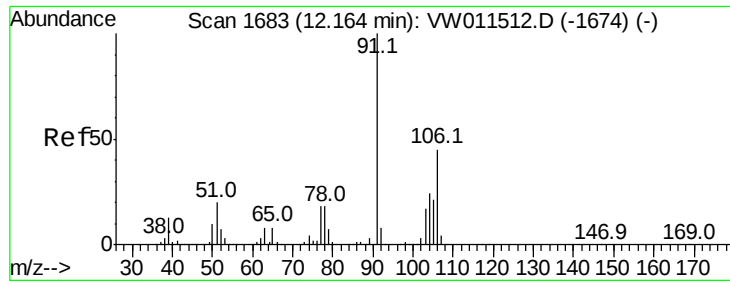
MMDadoda
7/29/2019 9:17:53 AM



#68
m/p-Xylenes
Concen: 296.873 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion: 106 Resp: 1446361
Ion Ratio Lower Upper
106 100
91 208.7 168.2 252.2





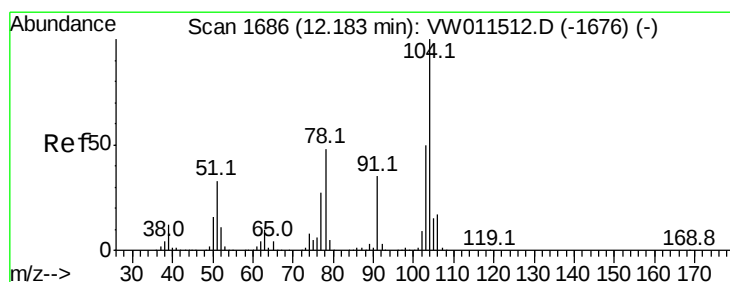
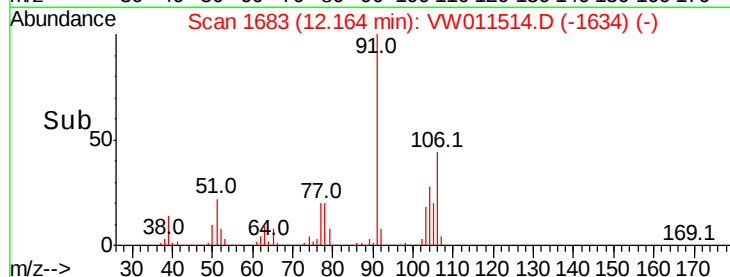
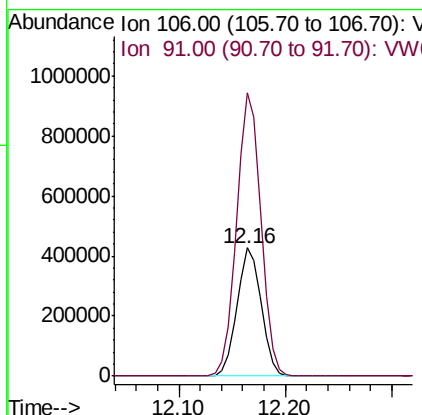
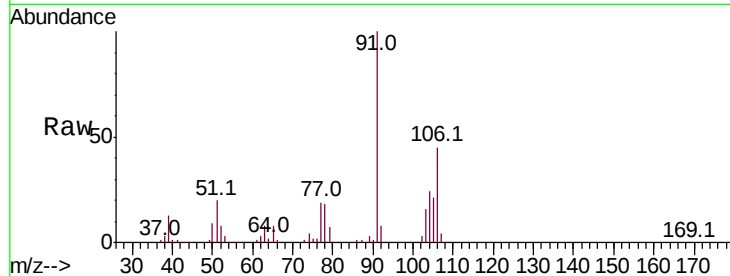
#69
o-Xylene
Concen: 150.606 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 681844
Ion Ratio Lower Upper
106 100
91 221.7 110.5 331.5

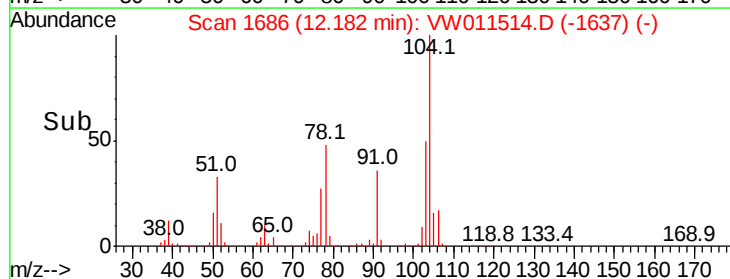
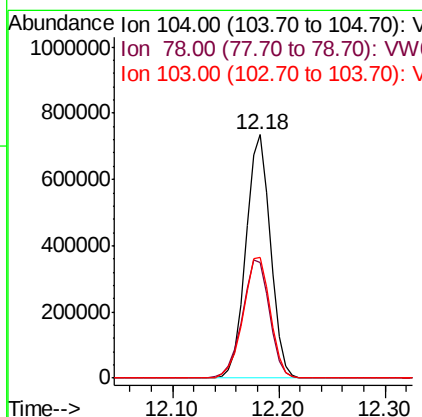
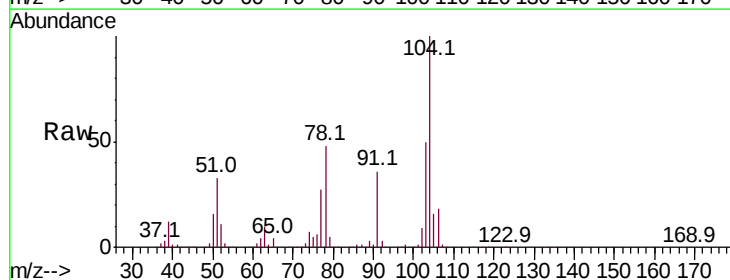
Manual Integrations
APPROVED

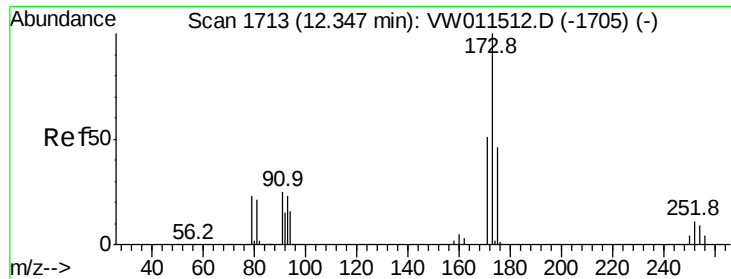
MMDadoda
7/29/2019 9:17:53 AM



#70
Styrene
Concen: 152.124 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion:104 Resp: 1190800
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 54.8 43.9 65.9





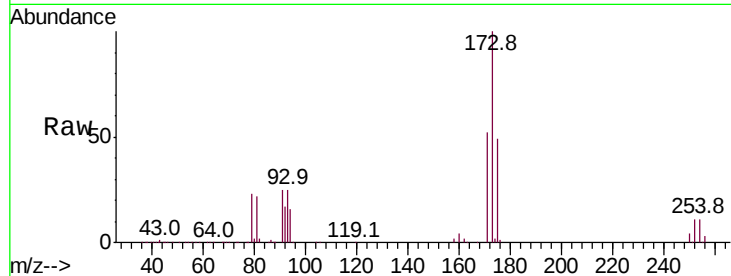
#71
Bromoform
Concen: 158.869 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.6	71.0
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM

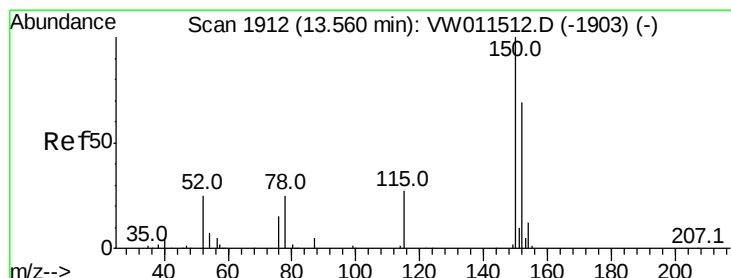
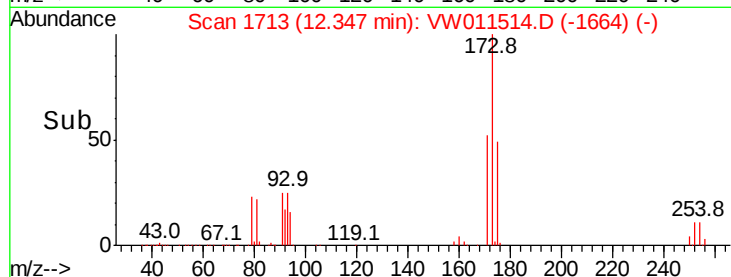
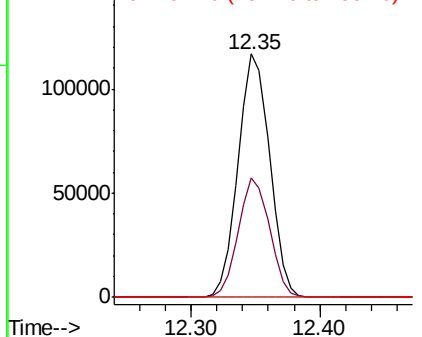


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

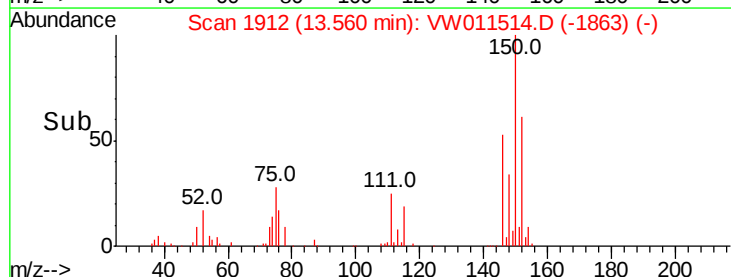
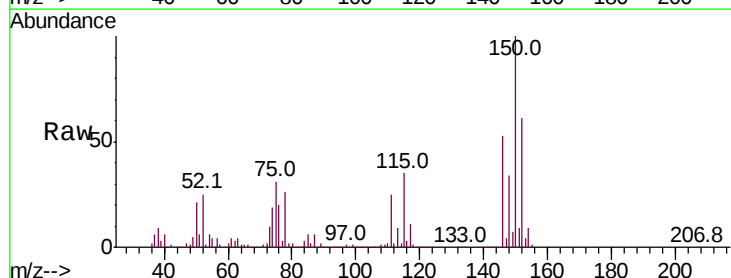
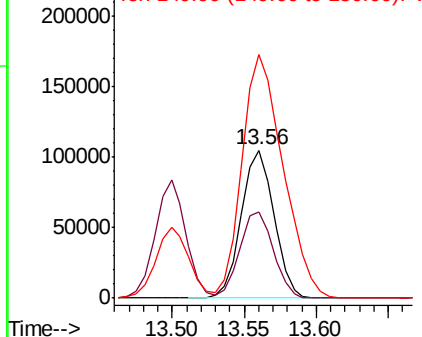
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.5	91.5
150	206.6	0.0	352.6

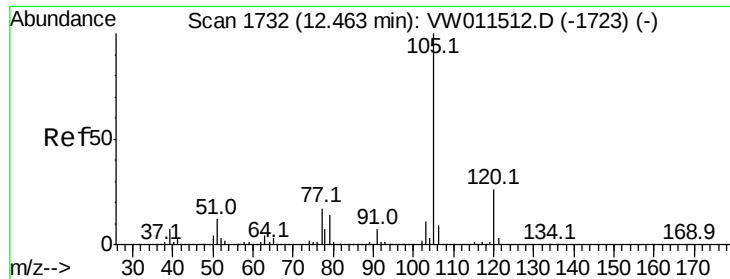
Abundance

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: 151.604 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1859111

Ion Ratio Lower Upper

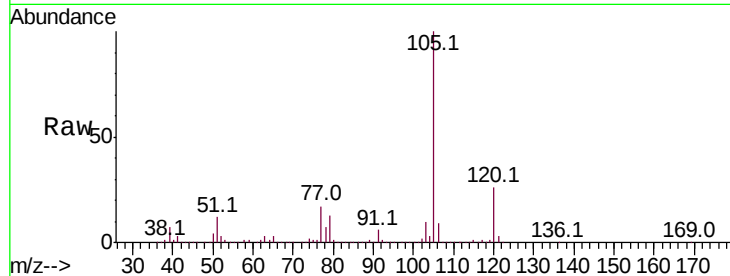
105 100

120 25.8 12.9 38.7

Manual Integrations
APPROVED

MMDadoda

7/29/2019 9:17:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

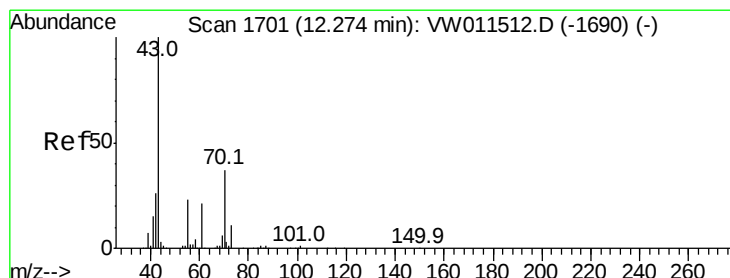
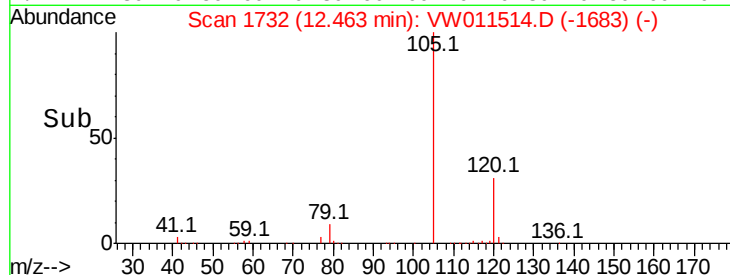
12.46

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 162.516 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion: 43 Resp: 623938

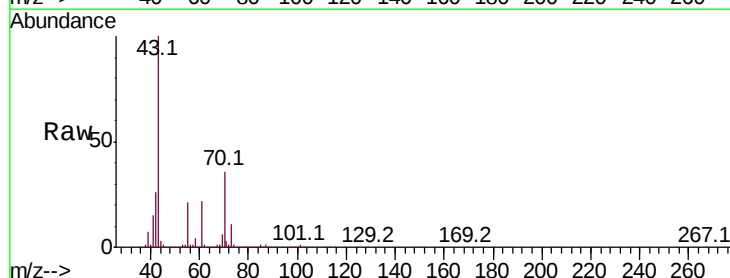
Ion Ratio Lower Upper

43 100

70 36.0 28.6 43.0

55 21.8 17.8 26.8

61 21.7 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

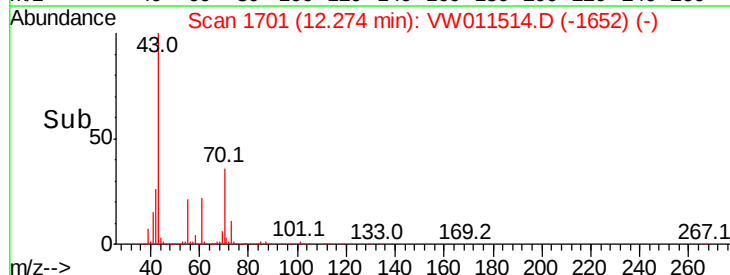
600000

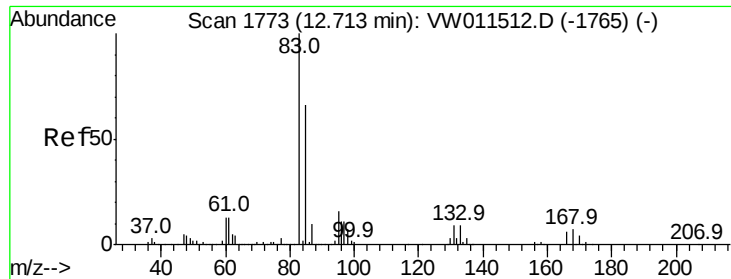
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 152.432 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 351609

Ion Ratio Lower Upper

83 100

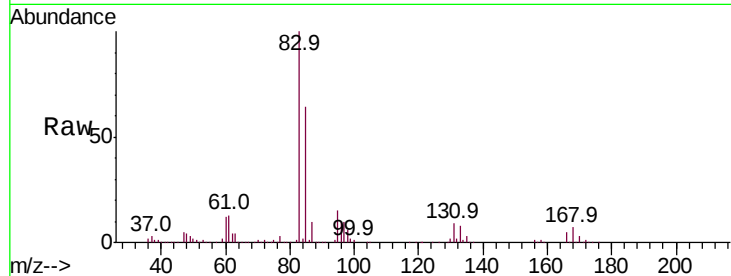
131 9.9 4.9 14.6

85 63.9 31.8 95.4

Manual Integrations
APPROVED

MMDadoda

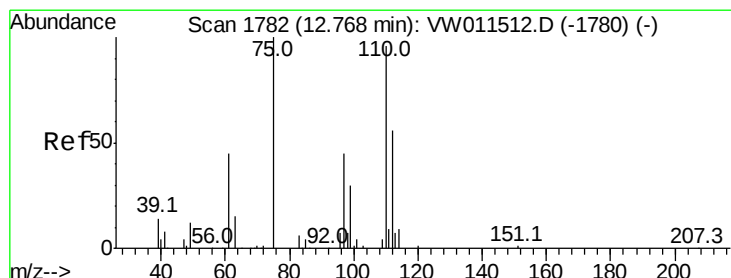
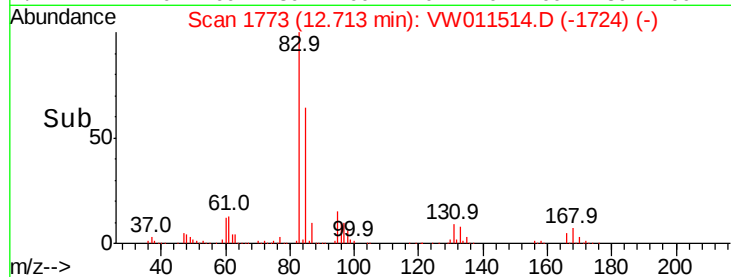
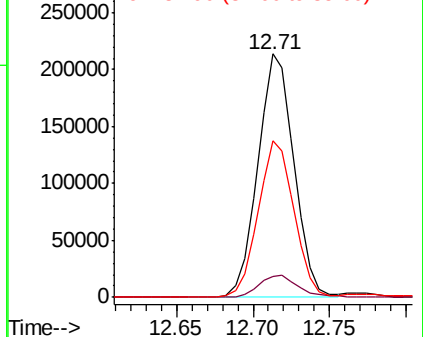
7/29/2019 9:17:53 AM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 142.561 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011514.D

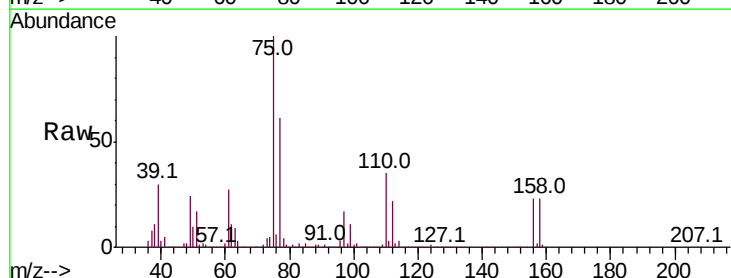
Acq: 26 Jul 2019 13:44

Tgt Ion: 75 Resp: 248778

Ion Ratio Lower Upper

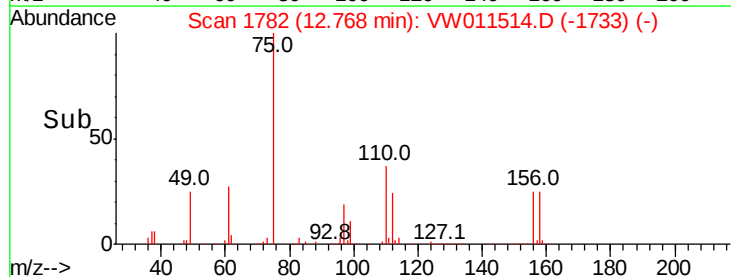
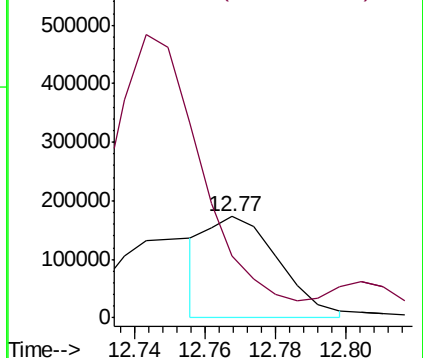
75 100

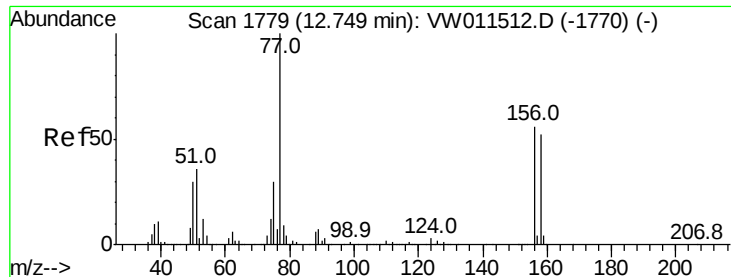
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 151.906 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 411741

Ion Ratio Lower Upper

156 100

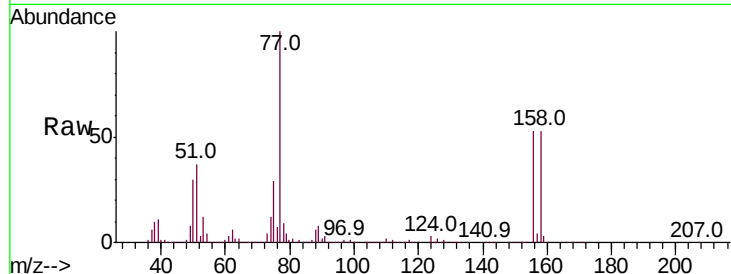
77 214.3 106.5 319.4

158 97.7 48.0 144.2

Manual Integrations
APPROVED

MMDadoda

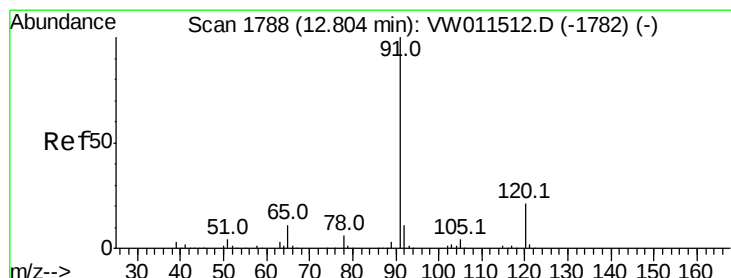
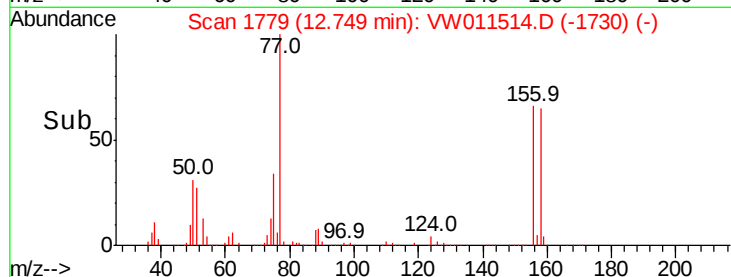
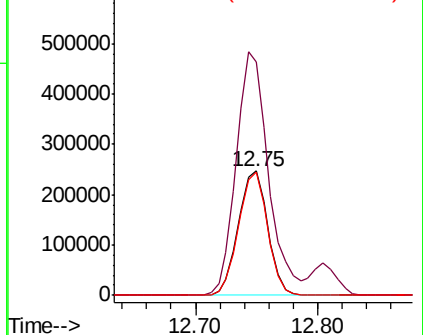
7/29/2019 9:17:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 151.811 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011514.D

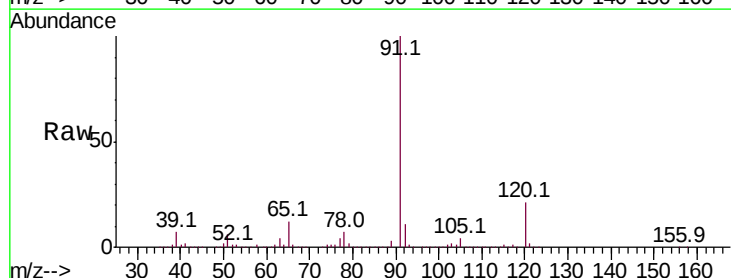
Acq: 26 Jul 2019 13:44

Tgt Ion: 91 Resp: 2265647

Ion Ratio Lower Upper

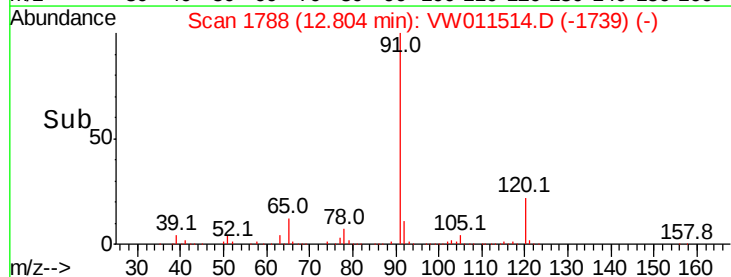
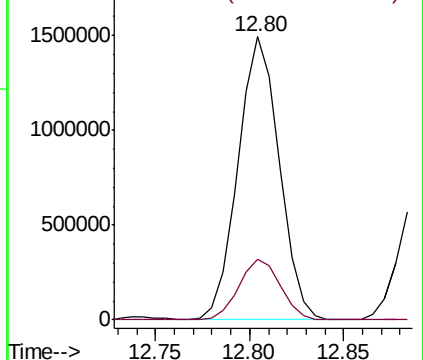
91 100

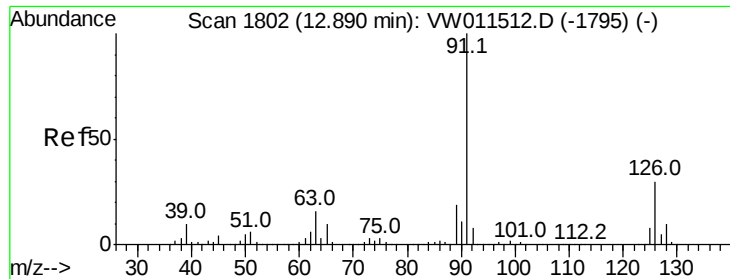
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.250 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1300423

Ion Ratio Lower Upper

91 100

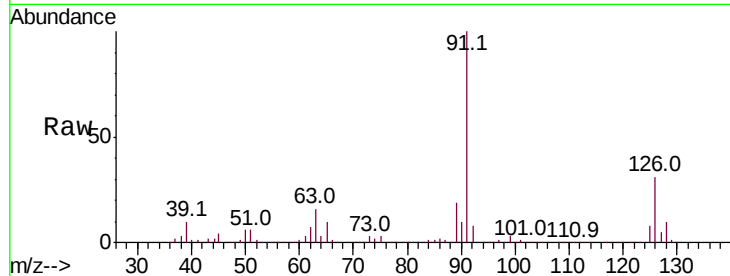
126 31.0 15.7 47.1

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:17:53 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

1500000 Ion 125.90 (125.60 to 126.60): V

1000000

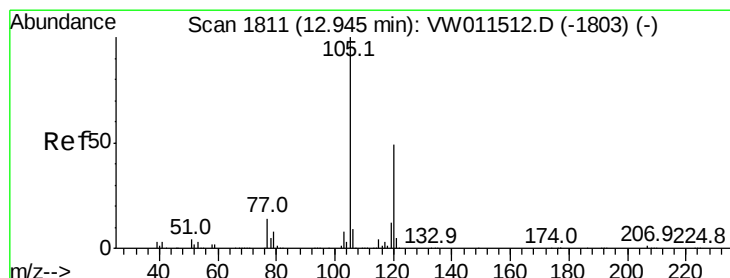
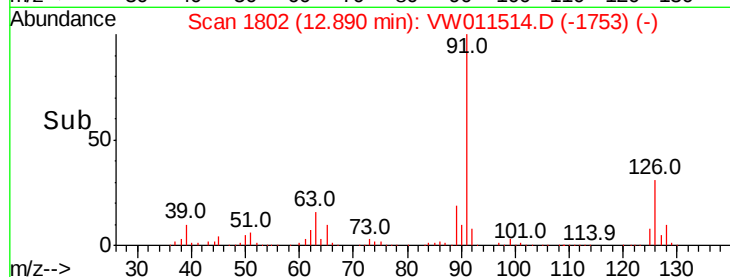
500000

12.89

0

Time-->

12.85 12.90 12.95



#80

1,3,5-Trimethylbenzene

Concen: 151.209 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011514.D

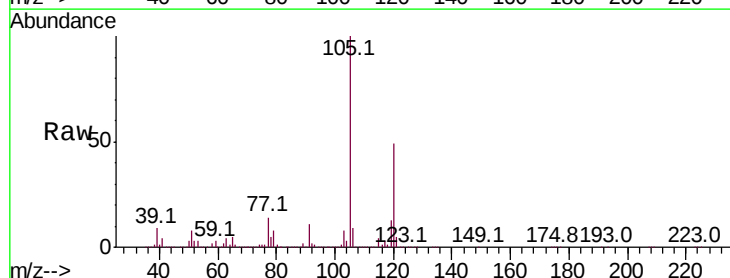
Acq: 26 Jul 2019 13:44

Tgt Ion:105 Resp: 1554345

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

1200000 Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

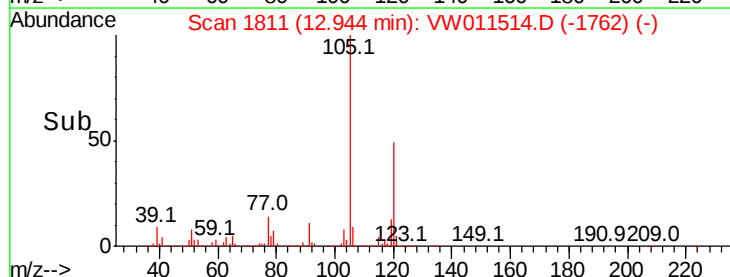
400000

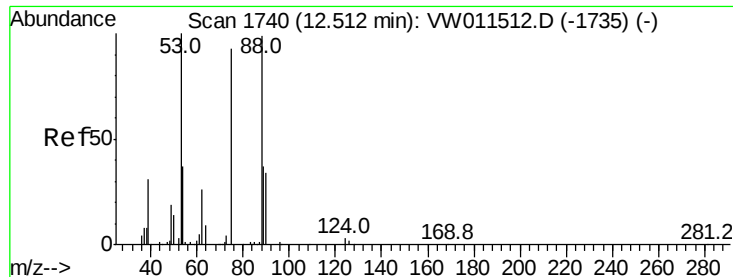
200000

0

Time-->

12.90 13.00





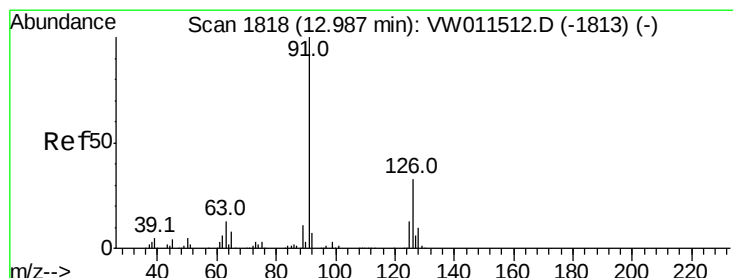
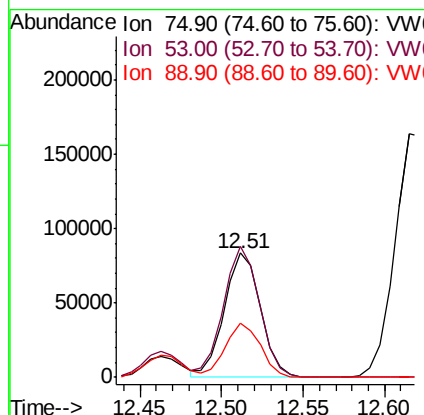
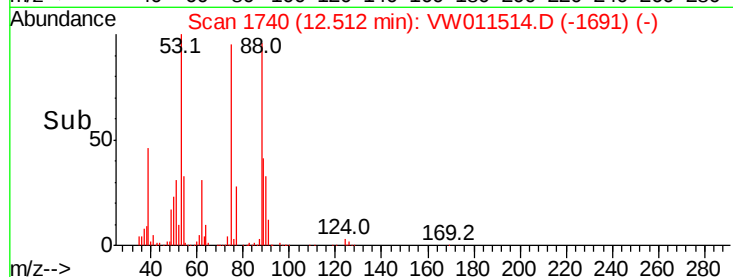
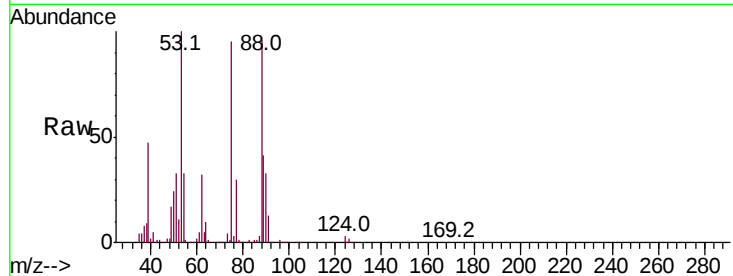
#81
trans-1,4-Dichloro-2-butene
Concen: 170.084 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	88.0	132.0
89	42.9	35.3	52.9

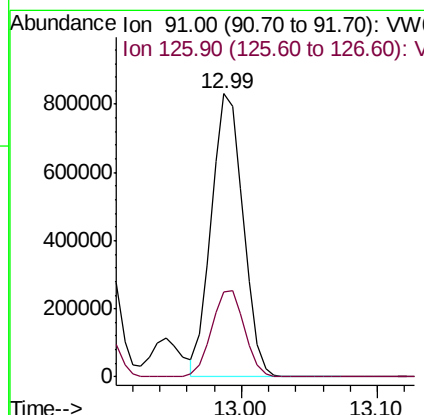
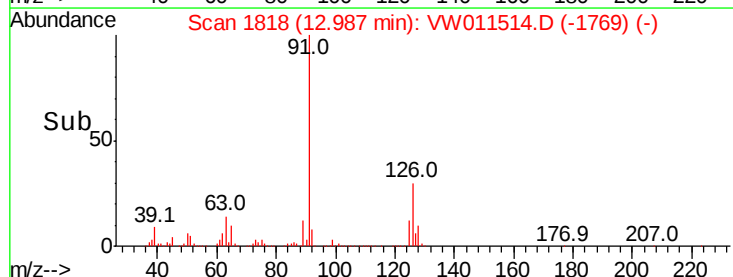
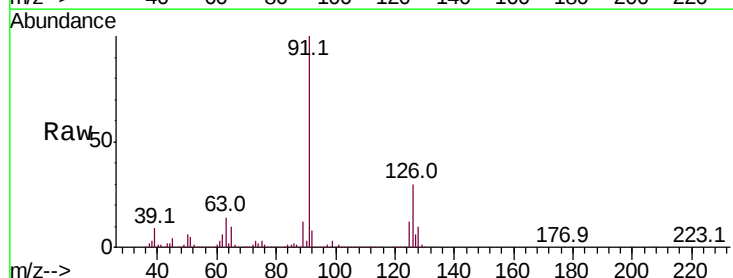
Manual Integrations
APPROVED

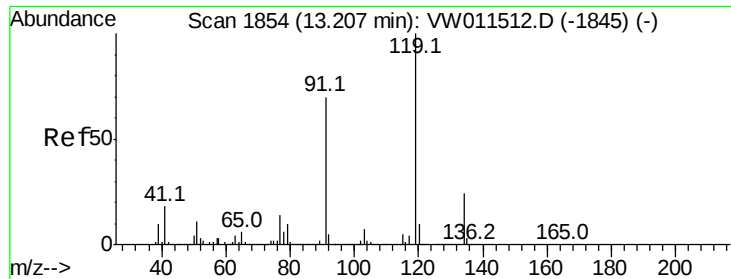
MMDadoda
7/29/2019 9:17:53 AM



#82
4-Chlorotoluene
Concen: 148.918 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





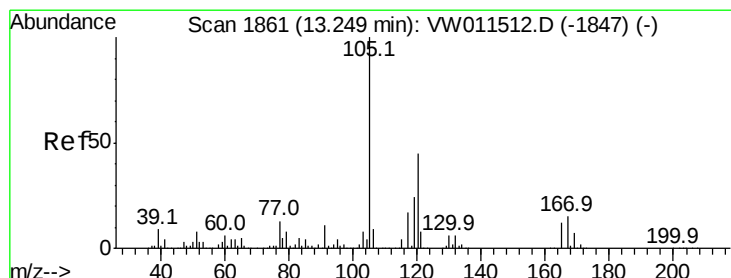
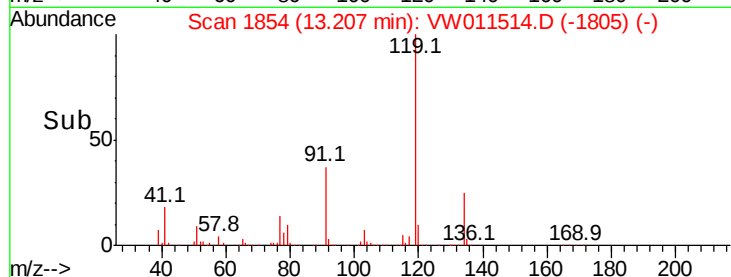
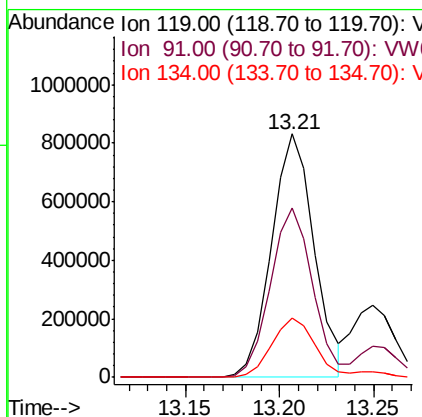
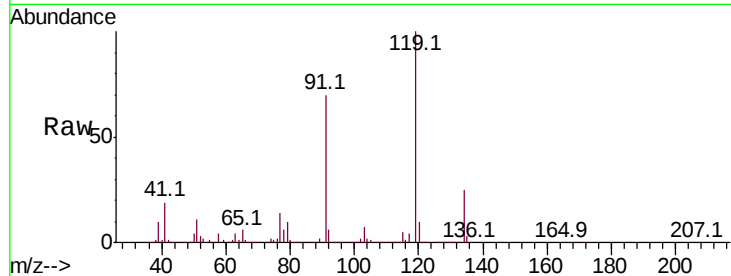
#83
tert-Butylbenzene
Concen: 151.554 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.5	103.6
134	24.8	12.4	37.4

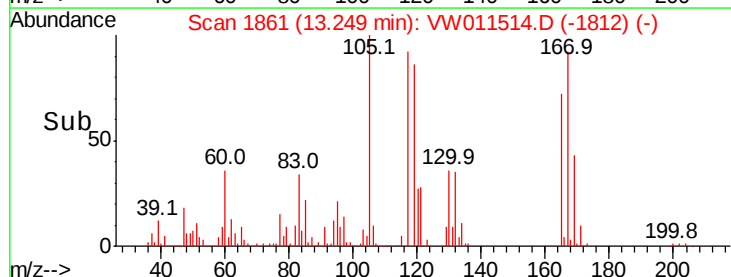
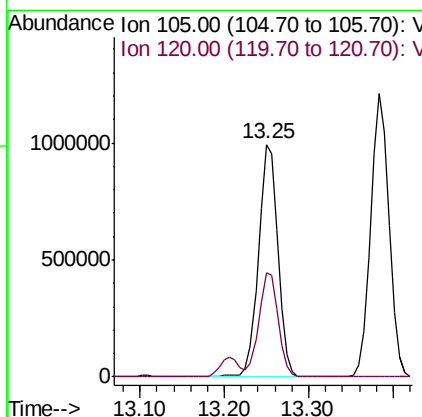
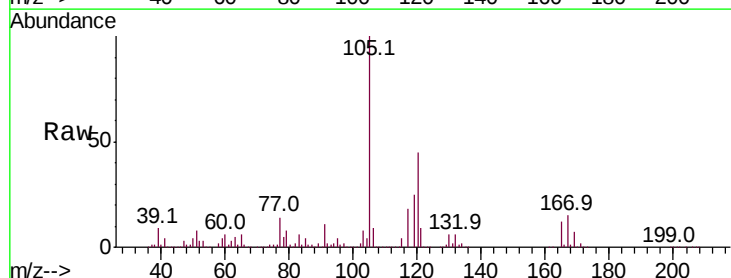
Manual Integrations
APPROVED

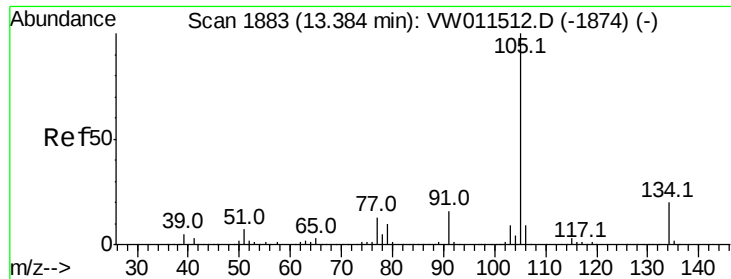
MMDadoda
7/29/2019 9:17:53 AM



#84
1,2,4-Trimethylbenzene
Concen: 151.080 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





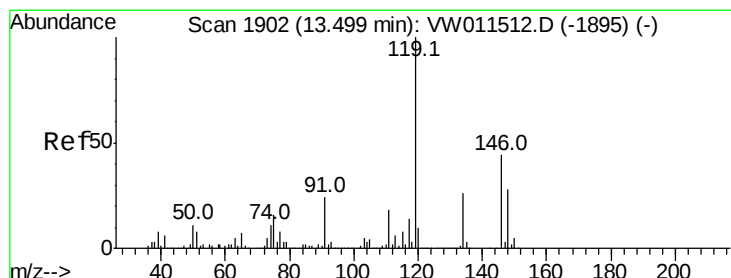
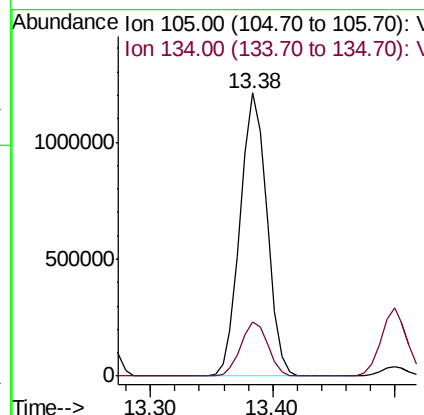
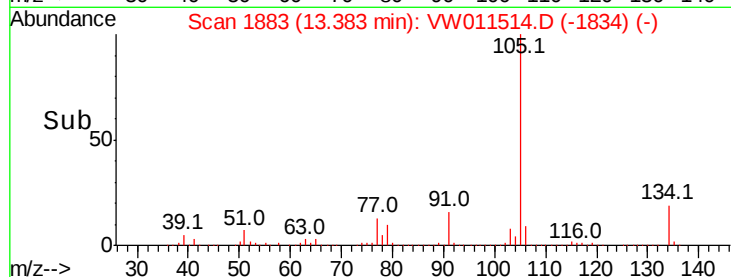
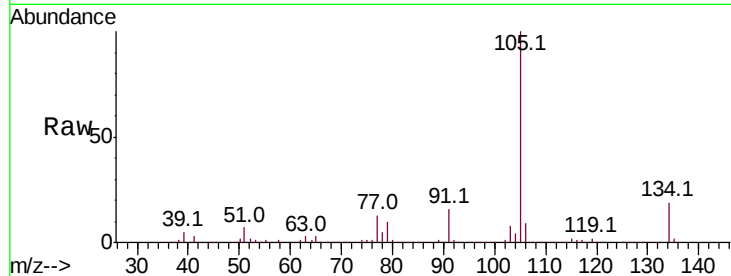
#85
 sec-Butylbenzene
 Concen: 149.508 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1833801
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

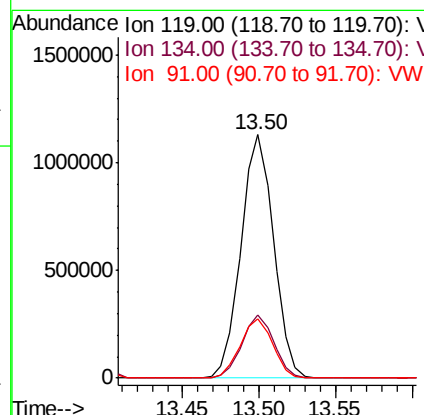
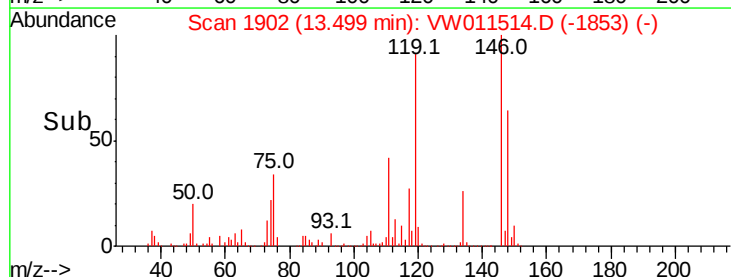
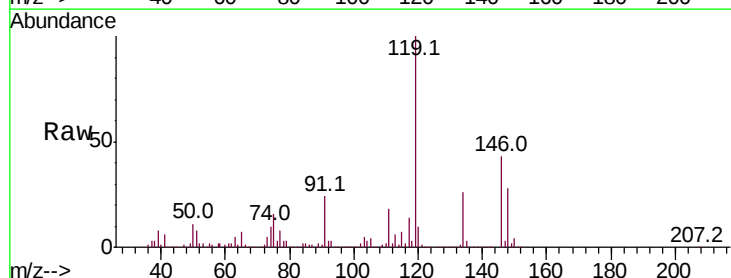
Manual Integrations
 APPROVED

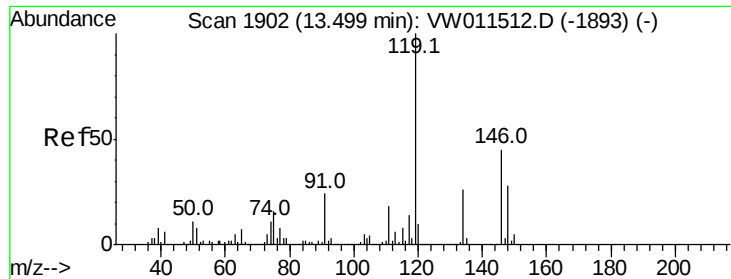
MMDadoda
 7/29/2019 9:17:53 AM



#86
 p-Isopropyltoluene
 Concen: 150.246 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion:119 Resp: 1672052
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.4
 91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 147.842 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Instrument :

MSVOA_W

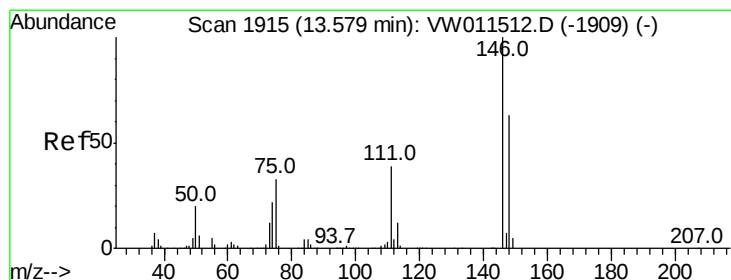
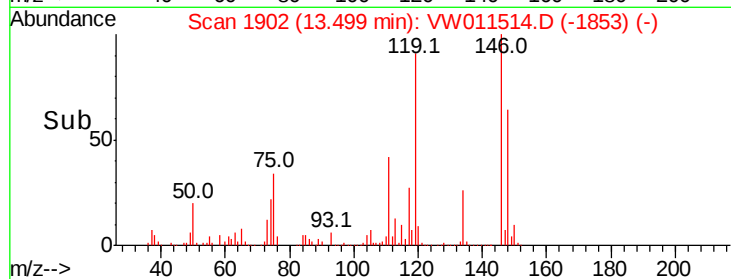
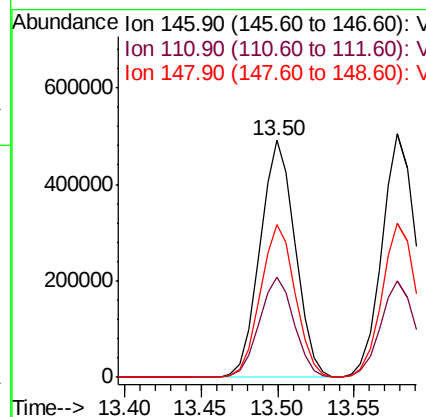
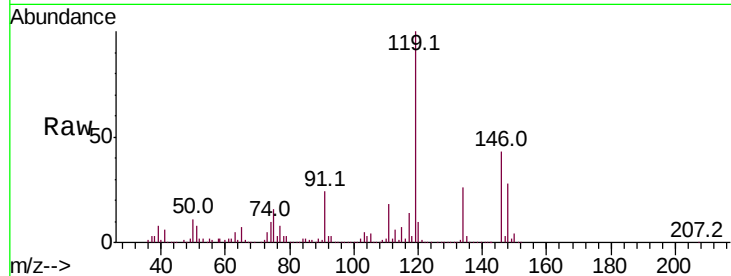
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	785734
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.5	61.6
148	63.9	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM



#88

1,4-Dichlorobenzene

Concen: 147.411 ug/l

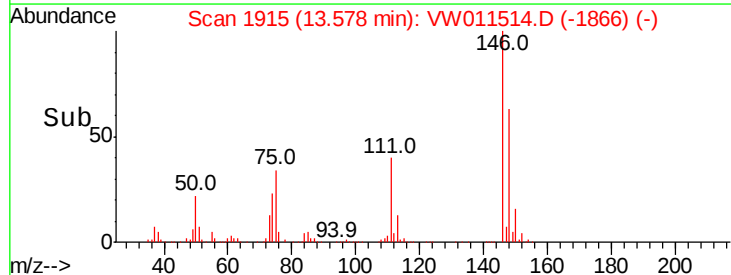
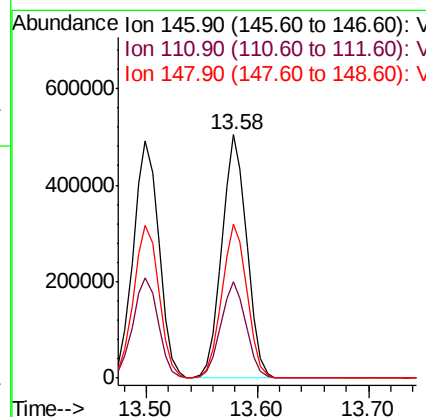
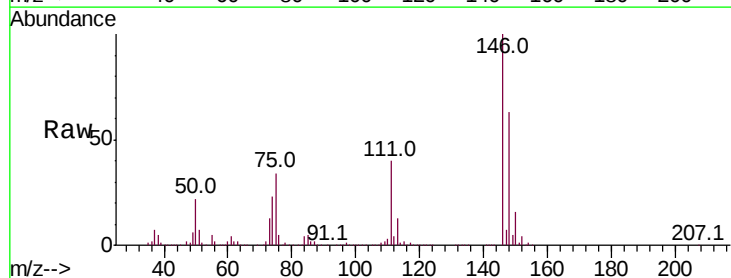
RT: 13.58 min Scan# 1915

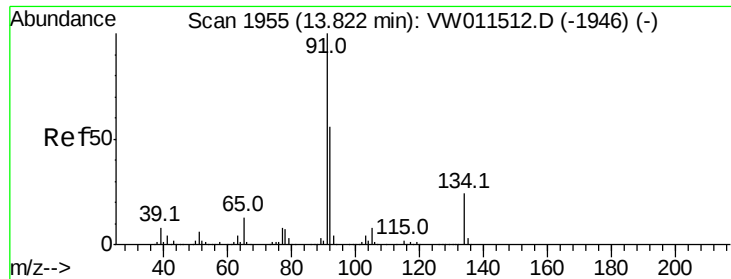
Delta R.T. -0.00 min

Lab File: VW011514.D

Acq: 26 Jul 2019 13:44

Tgt Ion:	146	Resp:	779339
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.1	60.2
148	64.0	31.9	95.9





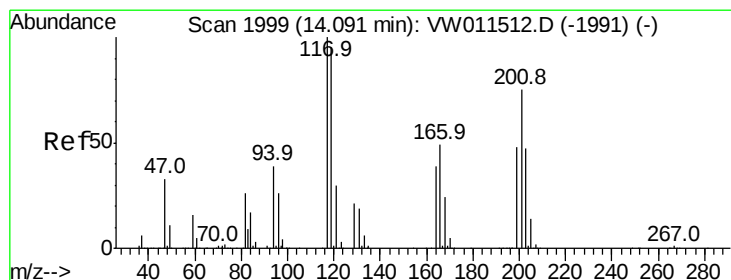
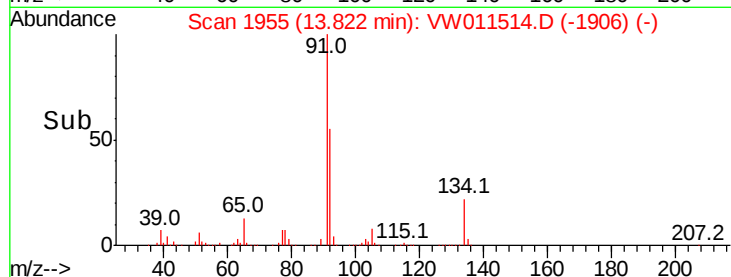
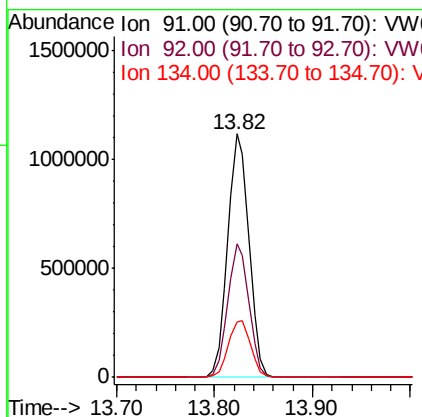
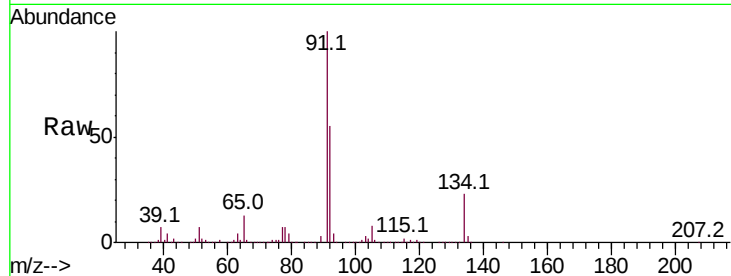
#89
n-Butylbenzene
Concen: 151.593 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	24.3	12.2	36.6

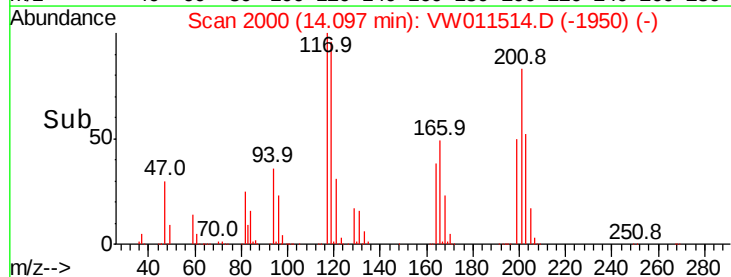
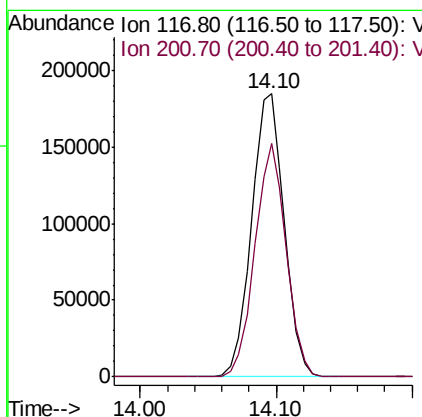
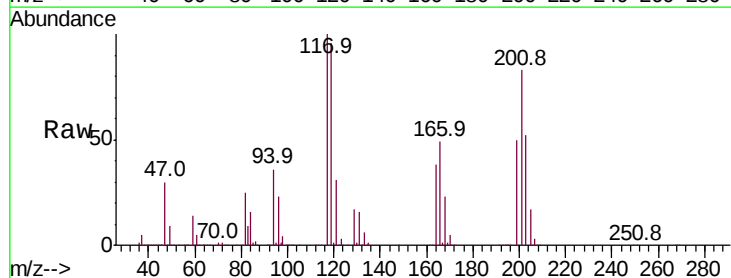
Manual Integrations
APPROVED

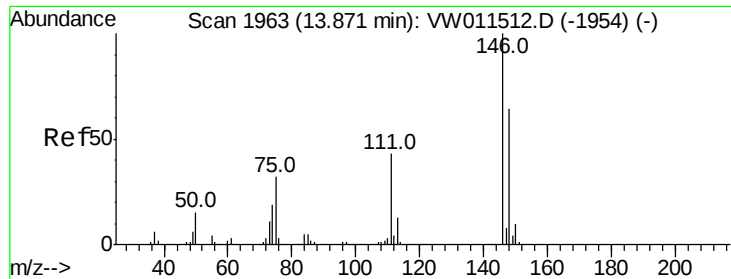
MMDadoda
7/29/2019 9:17:53 AM



#90
Hexachloroethane
Concen: 157.601 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.4	118.2





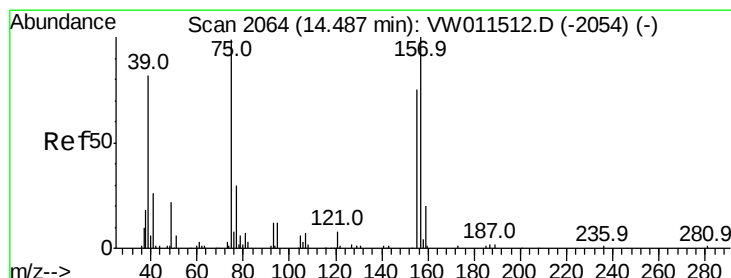
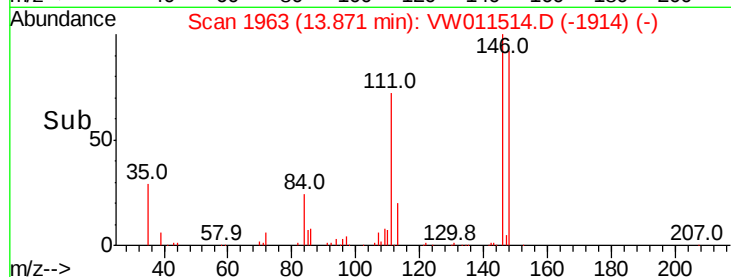
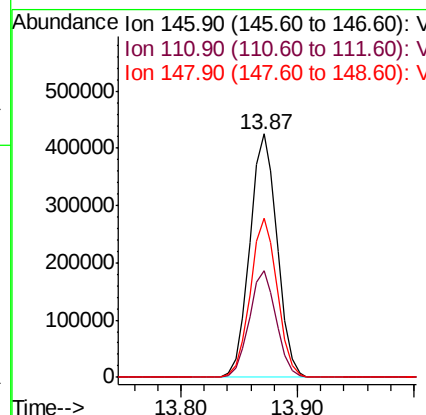
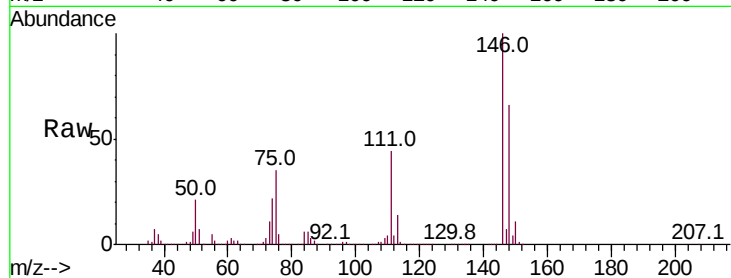
#91
 1,2-Dichlorobenzene
 Concen: 148.128 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	64.3	32.0	96.2

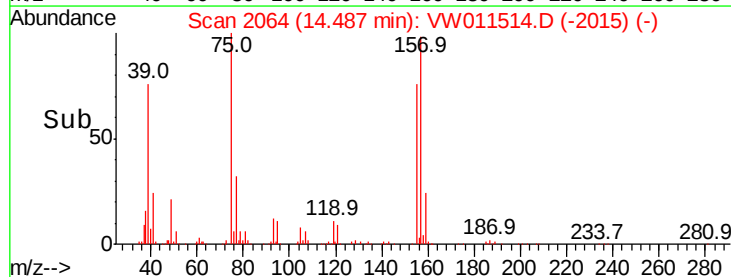
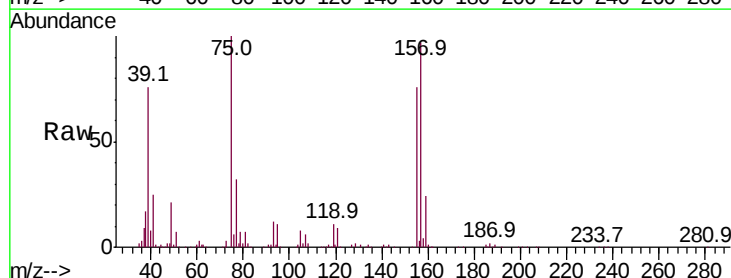
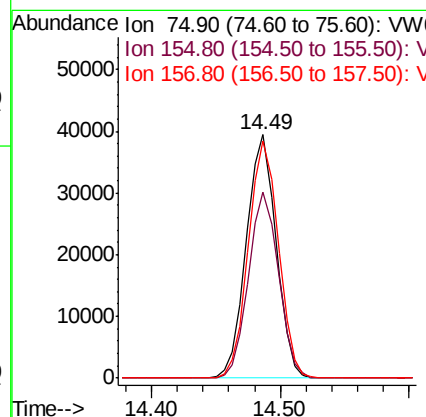
Manual Integrations
 APPROVED

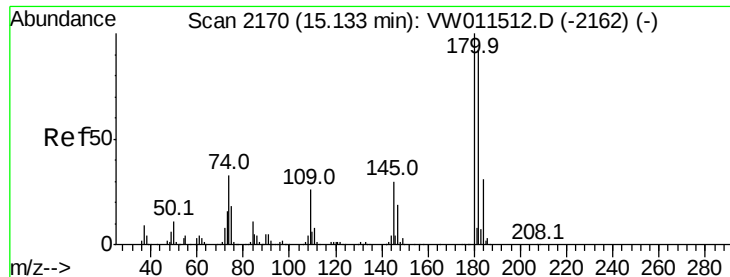
MMDadoda
 7/29/2019 9:17:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.548 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011514.D
 Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.2	114.6
157	97.8	48.9	146.7





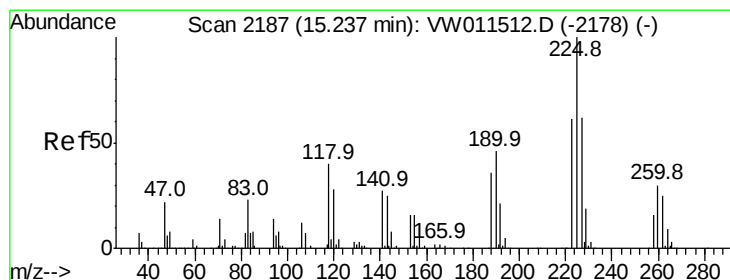
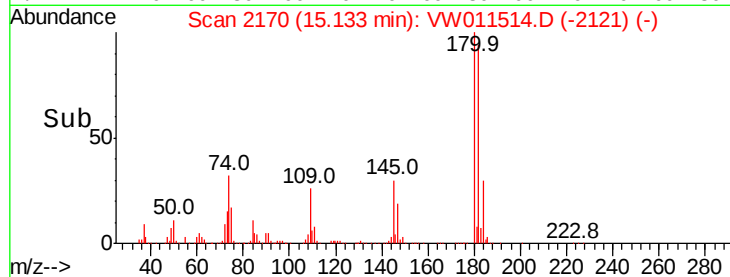
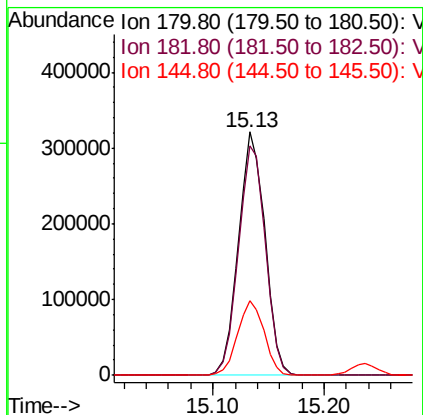
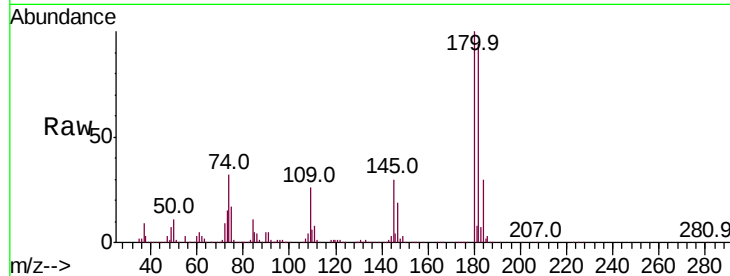
#93
1,2,4-Trichlorobenzene
Concen: 159.538 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.4	142.2	
145	30.6	15.4	46.1	

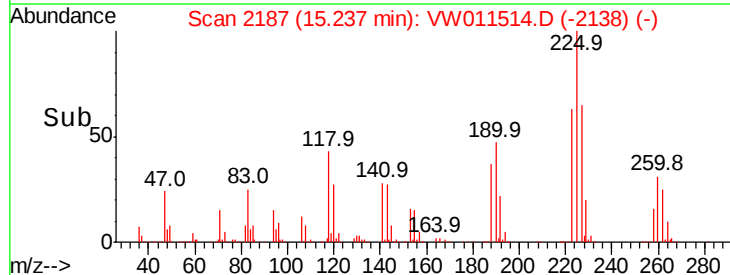
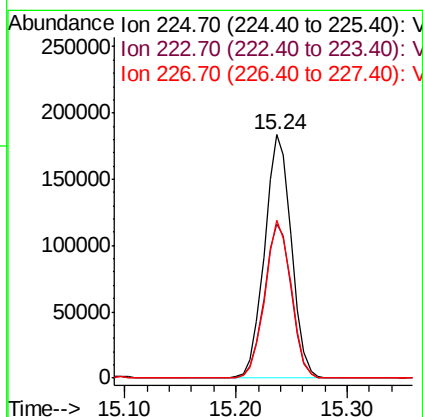
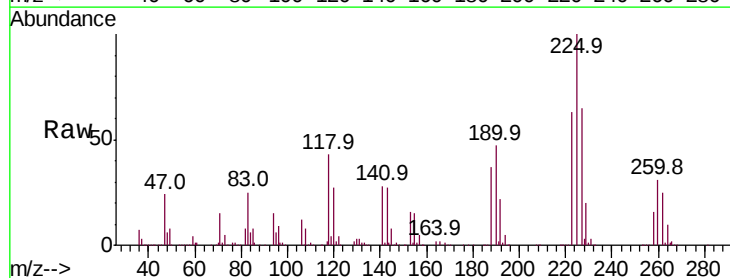
Manual Integrations
APPROVED

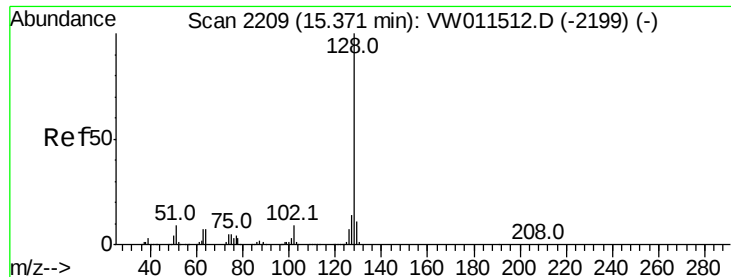
MMDadoda
7/29/2019 9:17:53 AM



#94
Hexachlorobutadiene
Concen: 148.609 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	30.8	92.3	
227	63.9	31.6	94.7	





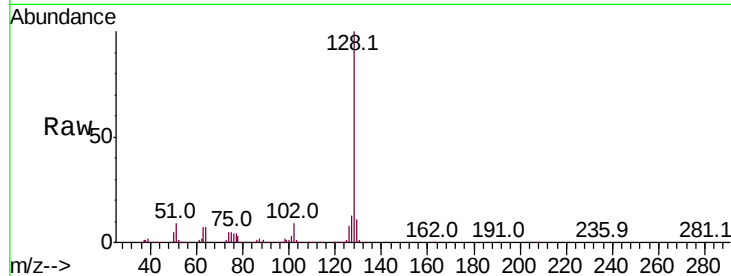
#95
Naphthalene
Concen: 171.376 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

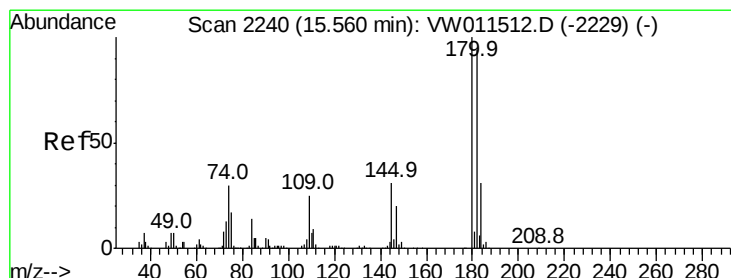
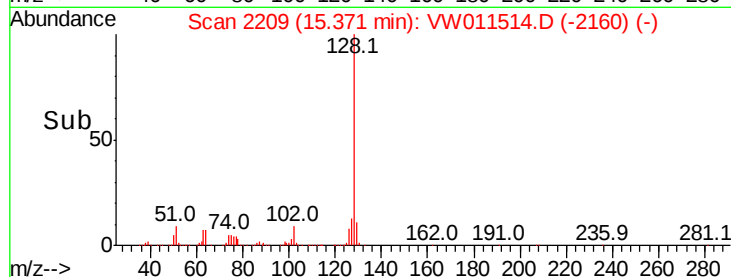
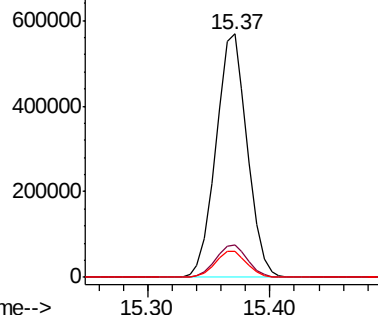
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:53 AM

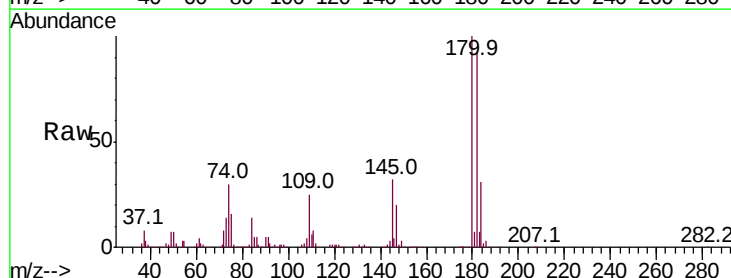


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 160.212 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011514.D
Acq: 26 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	32.2	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

