

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012320.D
 Acq On : 29 Aug 2019 23:48
 Operator : SY/VA
 Sample : VW0829SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:39 AM

Quant Time: Aug 30 08:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131098	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
35) Dibromofluoromethane	7.88	113	104588	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.32	98	421857	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.62	95	149962	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21375	16.737	ug/l	96
3) Chloromethane	2.21	50	36801	18.599	ug/l	98
4) Vinyl Chloride	2.36	62	44233	18.265	ug/l	98
5) Bromomethane	2.74	94	20823	16.978	ug/l	89
6) Chloroethane	2.90	64	26221	19.193	ug/l	99
7) Trichlorofluoromethane	3.25	101	21216	17.447	ug/l	100
8) Diethyl Ether	3.68	74	25371	21.980	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39635	19.175	ug/l	99
10) Methyl Iodide	4.26	142	56141	20.074	ug/l	99
11) Tert butyl alcohol	5.17	59	18345	123.634	ug/l	100
12) 1,1-Dichloroethene	4.03	96	39477	18.975	ug/l	95
13) Acrolein	3.89	56	12781	91.505	ug/l	98
14) Allyl chloride	4.67	41	91337	20.536	ug/l	100
15) Acrylonitrile	5.37	53	65225	114.005	ug/l	99
16) Acetone	4.12	43	58091	92.168	ug/l	98
17) Carbon Disulfide	4.38	76	96660	15.373	ug/l	98
18) Methyl Acetate	4.67	43	39633	25.388	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	79385	23.595	ug/l	99
20) Methylene Chloride	4.92	84	53944	22.640	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	44484	19.939	ug/l	99
22) Diisopropyl ether	6.31	45	188478	22.862	ug/l	99
23) Vinyl Acetate	6.25	43	550514	108.504	ug/l	100
24) 1,1-Dichloroethane	6.21	63	97050	21.620	ug/l	100
25) 2-Butanone	7.17	43	90443	105.600	ug/l	100
26) 2,2-Dichloropropane	7.17	77	49511	19.487	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52589	22.063	ug/l	99
28) Bromochloromethane	7.51	49	44202	22.593	ug/l	98
29) Tetrahydrofuran	7.53	42	60351	117.450	ug/l	100
30) Chloroform	7.67	83	90034	21.923	ug/l	99
31) Cyclohexane	7.95	56	79684	17.942	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	67647	20.822	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68378	19.214	ug/l	99
37) Ethyl Acetate	7.25	43	42332	21.707	ug/l	99
38) Carbon Tetrachloride	8.06	117	59222	19.227	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012320.D
 Acq On : 29 Aug 2019 23:48
 Operator : SY/VA
 Sample : VW0829SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:39 AM

Quant Time: Aug 30 08:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72435	18.118	ug/l	100
40) Benzene	8.32	78	201281	20.713	ug/l	100
41) Methacrylonitrile	7.48	41	22665	19.775	ug/l	89
42) 1,2-Dichloroethane	8.40	62	65606	21.542	ug/l	99
43) Isopropyl Acetate	8.42	43	79974	22.139	ug/l	100
44) Trichloroethene	9.09	130	48317	20.454	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55802	21.337	ug/l	99
46) Dibromomethane	9.46	93	25164	21.626	ug/l	97
47) Bromodichloromethane	9.64	83	63993	20.664	ug/l	96
48) Methyl methacrylate	9.43	41	36622	21.301	ug/l	95
49) 1,4-Dioxane	9.45	88	7604	426.868	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	203613	110.821	ug/l	100
52) Toluene	10.38	92	121833	20.870	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64647	20.493	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	79065	20.758	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35991	21.861	ug/l	97
56) Ethyl methacrylate	10.65	69	52841	22.053	ug/l	98
57) 1,3-Dichloropropane	10.93	76	68404	21.987	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	135522	110.204	ug/l	99
59) 2-Hexanone	10.97	43	138946	106.880	ug/l	99
60) Dibromochloromethane	11.13	129	38880	21.202	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33901	22.103	ug/l	98
64) Tetrachloroethene	10.86	164	39533	20.215	ug/l	98
65) Chlorobenzene	11.66	112	126443	21.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44080	21.273	ug/l	99
67) Ethyl Benzene	11.73	91	237781	20.782	ug/l	98
68) m/p-Xylenes	11.83	106	171220	41.543	ug/l	99
69) o-Xylene	12.16	106	80392	21.075	ug/l	100
70) Styrene	12.18	104	139743	21.165	ug/l	99
71) Bromoform	12.35	173	21881	21.194	ug/l	# 99
73) Isopropylbenzene	12.46	105	225972	20.738	ug/l	99
74) N-amyl acetate	12.27	43	71011	21.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42995	21.523	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29208m	20.623	ug/l	
77) Bromobenzene	12.74	156	50771	21.538	ug/l	98
78) n-propylbenzene	12.80	91	271475	20.408	ug/l	99
79) 2-Chlorotoluene	12.89	91	158176	20.944	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	190583	20.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12907	19.982	ug/l	99
82) 4-Chlorotoluene	12.99	91	165161	20.886	ug/l	99
83) tert-Butylbenzene	13.21	119	163566	21.208	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	191412	20.928	ug/l	100
85) sec-Butylbenzene	13.38	105	227739	20.610	ug/l	99
86) p-Isopropyltoluene	13.50	119	205153	20.790	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	97700	21.189	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96757	21.134	ug/l	99
89) n-Butylbenzene	13.82	91	197968	20.174	ug/l	99
90) Hexachloroethane	14.09	117	35159	20.308	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	87062	21.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7126	21.160	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
Data File : VW012320.D
Acq On : 29 Aug 2019 23:48
Operator : SY/VA
Sample : VW0829SBS02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

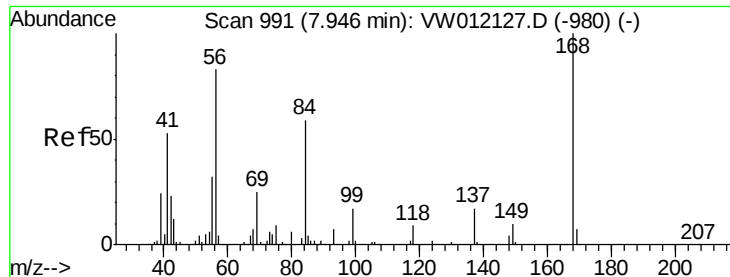
Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM

Quant Time: Aug 30 08:43:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62020	22.188	ug/l	97
94) Hexachlorobutadiene	15.24	225	38544	20.883	ug/l	99
95) Naphthalene	15.36	128	113683	23.256	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53884	22.095	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion:168 Resp: 207415

Ion Ratio Lower Upper

168 100

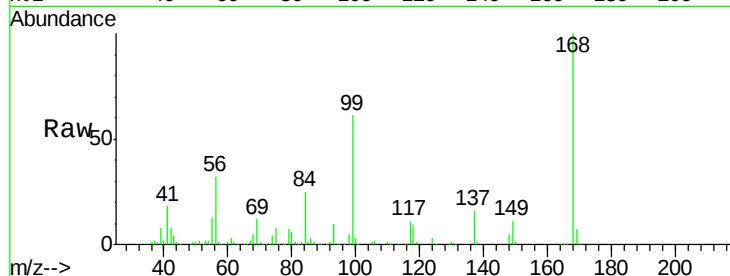
99 61.2 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

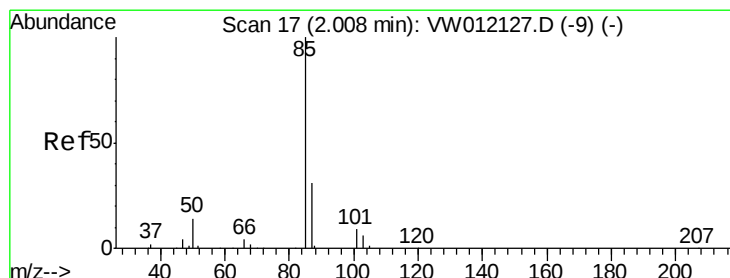
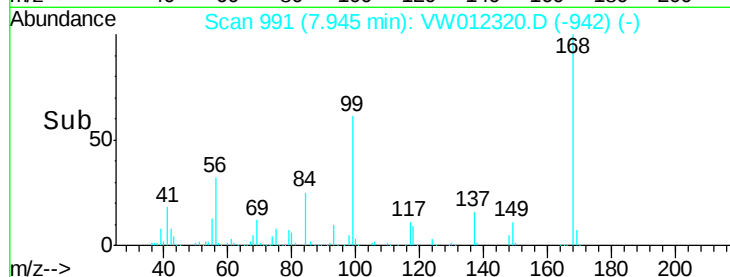
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 16.737 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012320.D

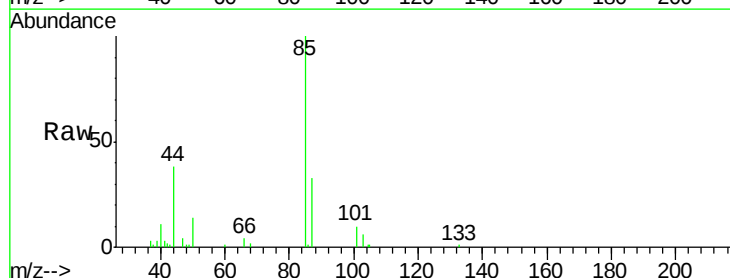
Acq: 29 Aug 2019 23:48

Tgt Ion: 85 Resp: 21375

Ion Ratio Lower Upper

85 100

87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

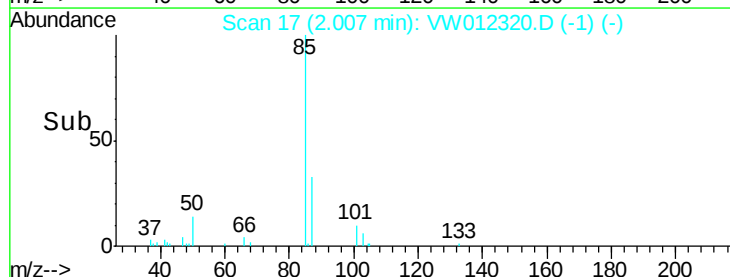
6000

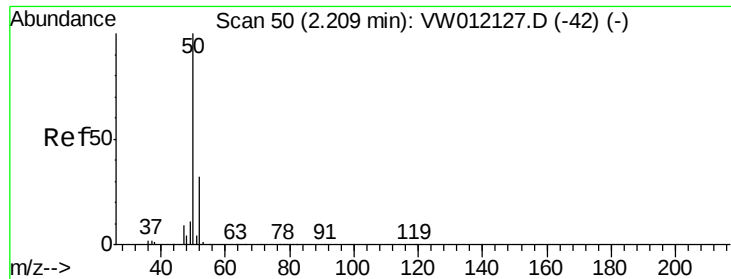
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.599 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 50 Resp: 36801

Ion Ratio Lower Upper

50 100

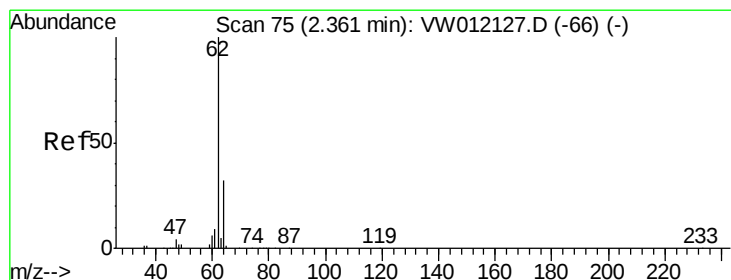
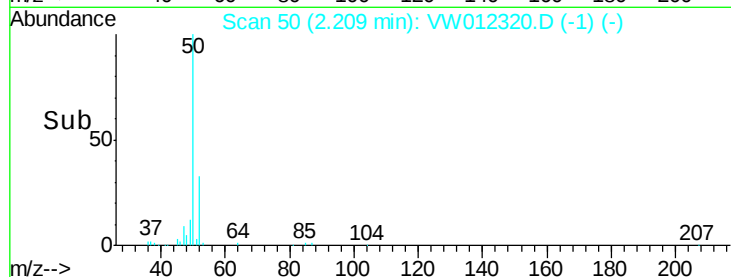
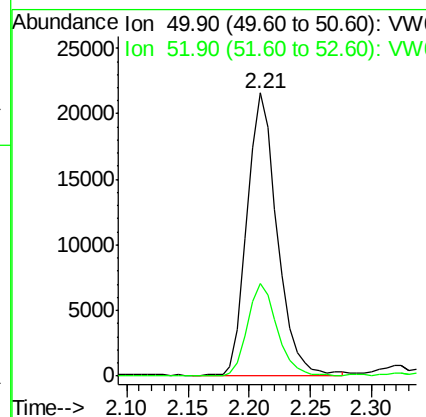
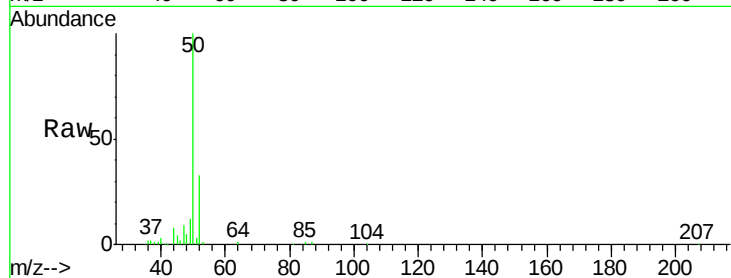
52 32.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



#4

Vinyl Chloride

Concen: 18.265 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012320.D

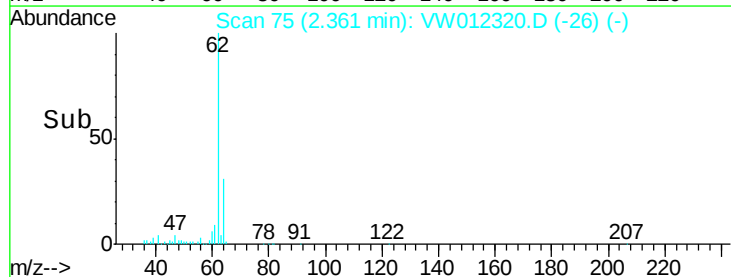
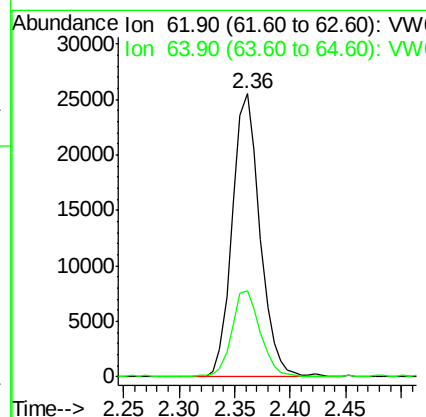
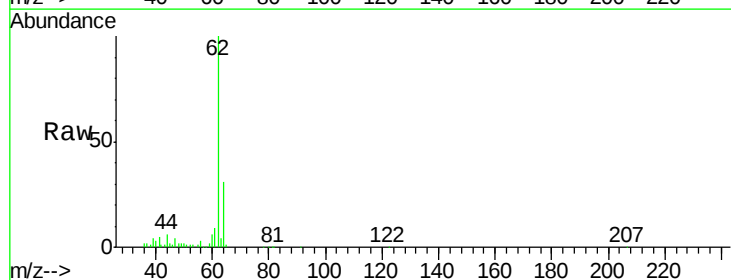
Acq: 29 Aug 2019 23:48

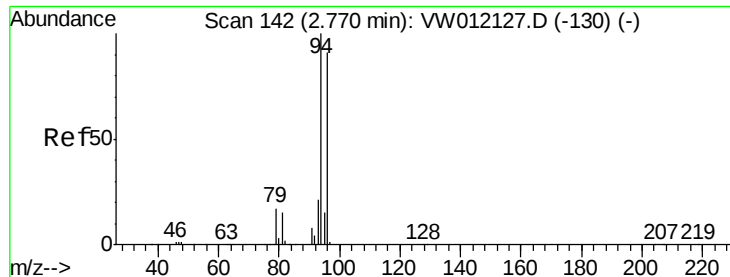
Tgt Ion: 62 Resp: 44233

Ion Ratio Lower Upper

62 100

64 30.4 25.3 37.9





#5

Bromomethane

Concen: 16.978 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 94 Resp: 20823

Ion Ratio Lower Upper

94 100

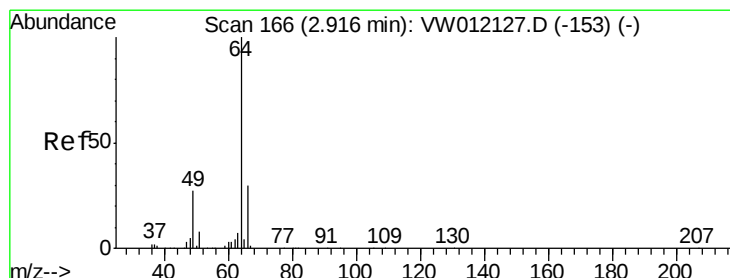
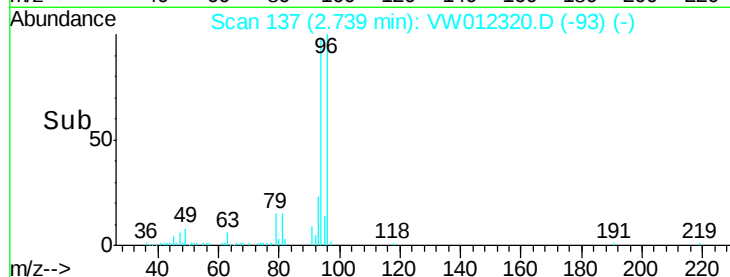
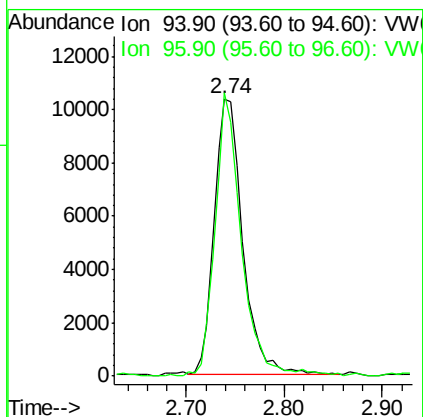
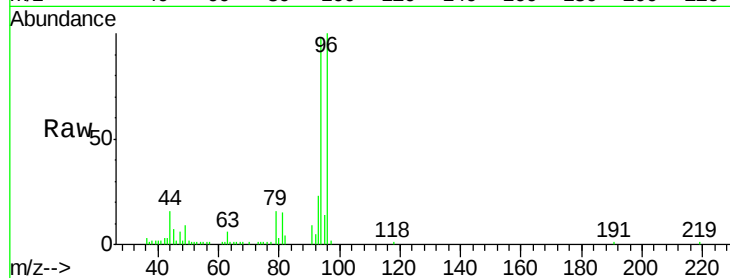
96 101.9 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



#6

Chloroethane

Concen: 19.193 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012320.D

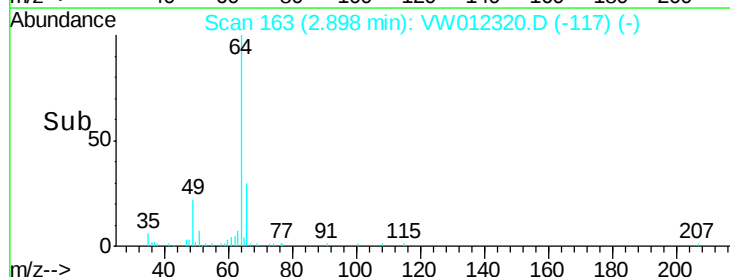
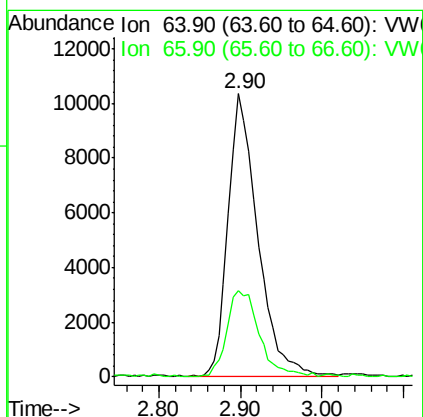
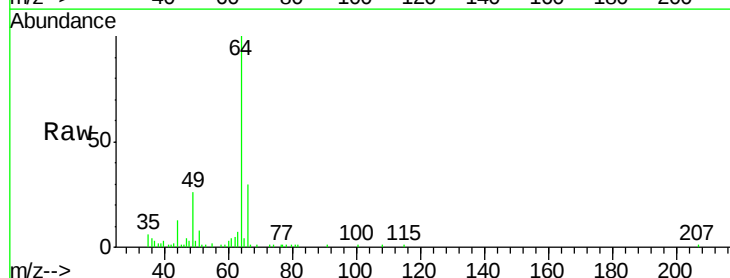
Acq: 29 Aug 2019 23:48

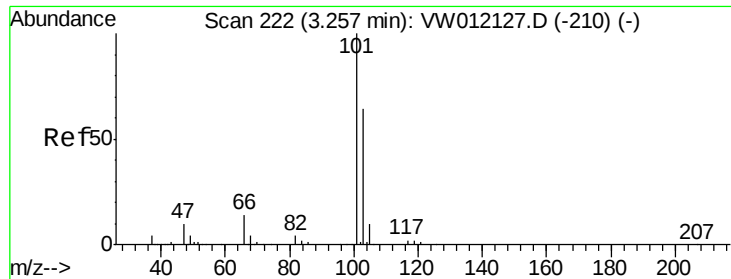
Tgt Ion: 64 Resp: 26221

Ion Ratio Lower Upper

64 100

66 30.5 23.8 35.8





#7

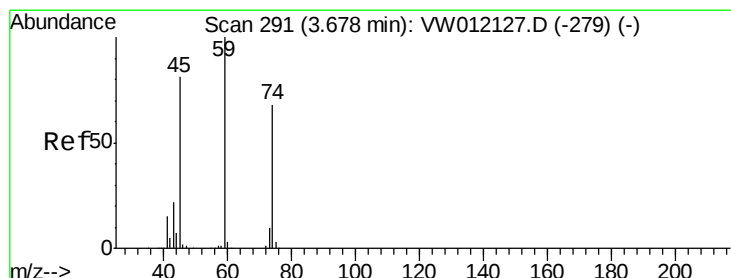
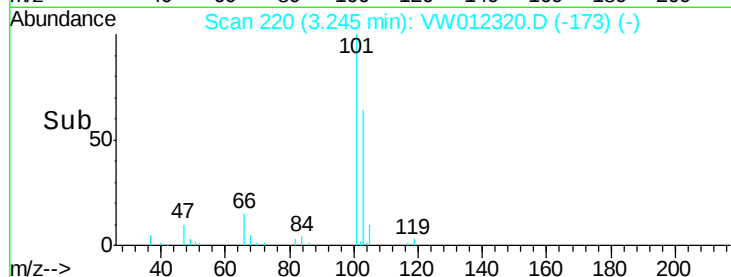
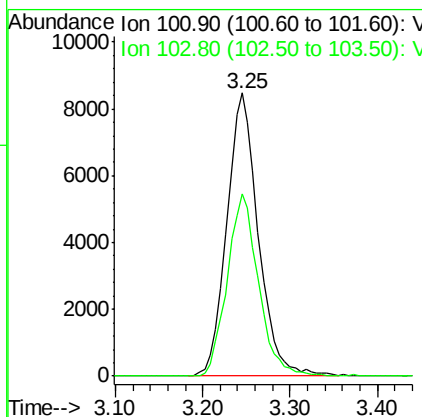
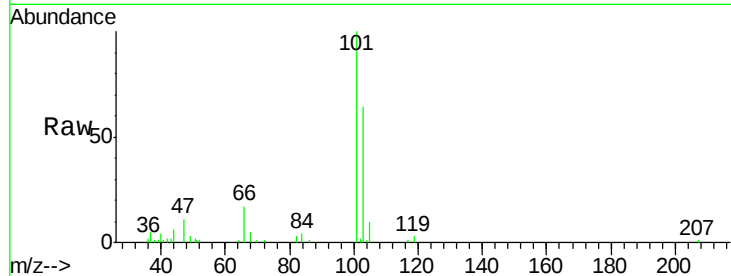
Trichlorofluoromethane
 Concen: 17.447 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	21216		
103	64.3	51.2	76.8	

Manual Integrations
 APPROVED

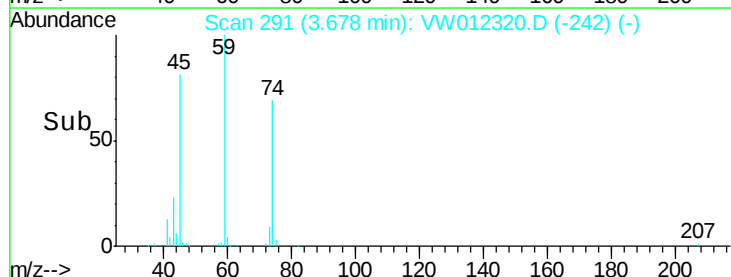
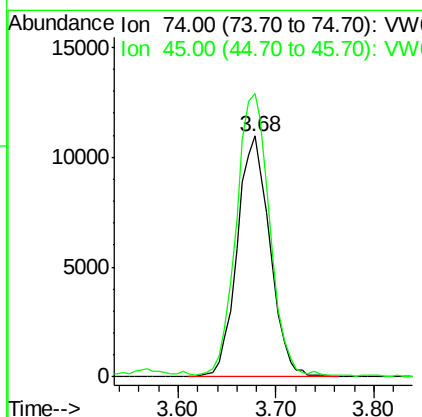
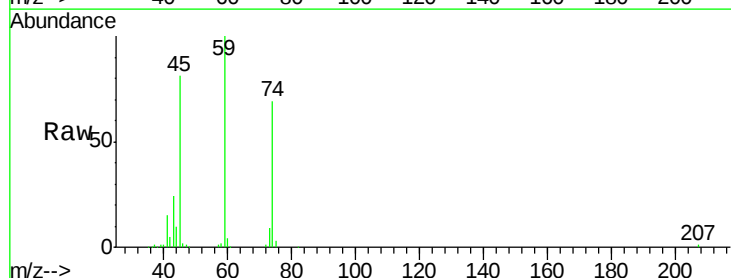
MMDadoda
 8/30/2019 11:41:39 AM

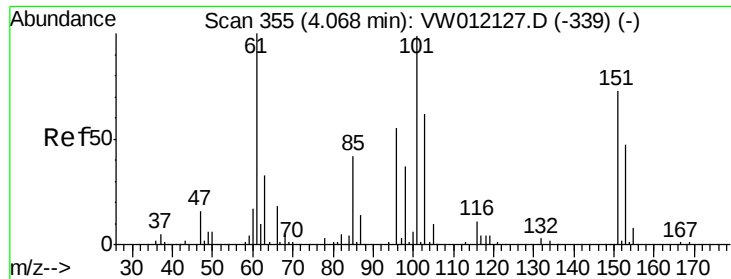


#8

Diethyl Ether
 Concen: 21.980 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	25371		
45	118.4	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.175 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

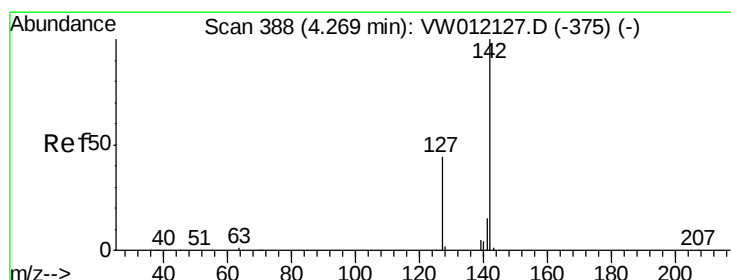
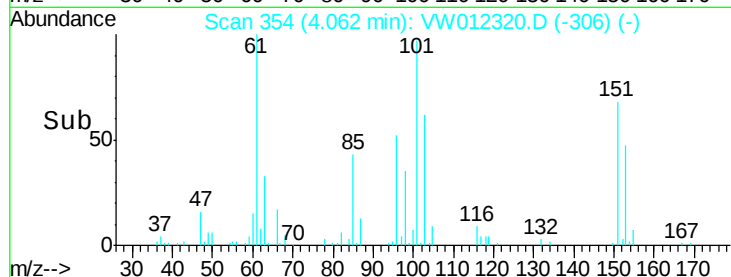
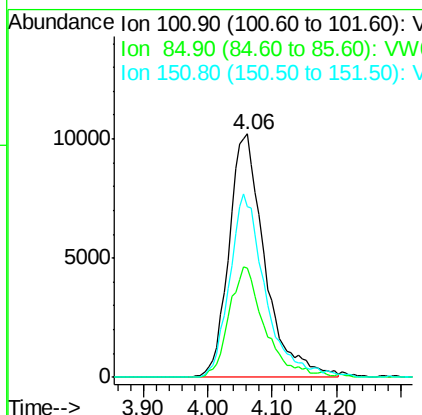
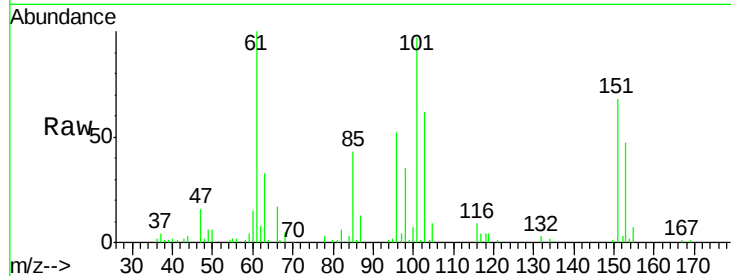
ClientSampled :

VW0829SBS02

Tot Ion:	101	Resp:	39635
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.8	53.6
151	75.1	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#10

Methyl Iodide

Concen: 20.074 ug/l

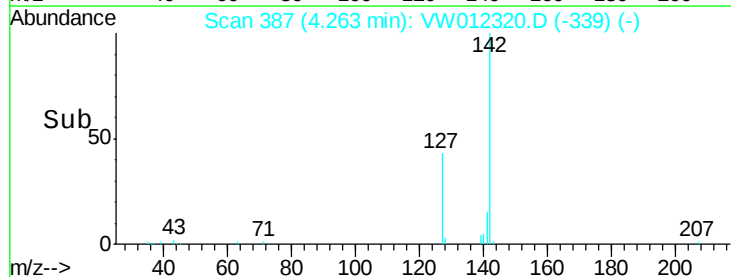
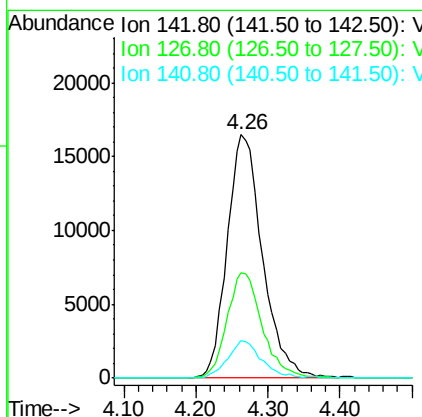
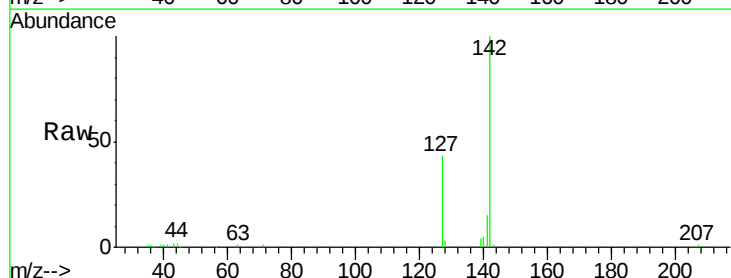
RT: 4.26 min Scan# 387

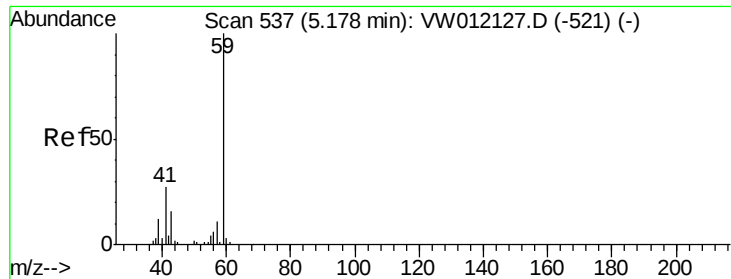
Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion:	142	Resp:	56141
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.5	53.3
141	14.6	11.8	17.8





#11

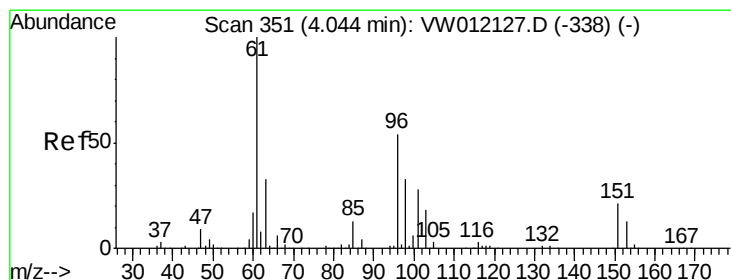
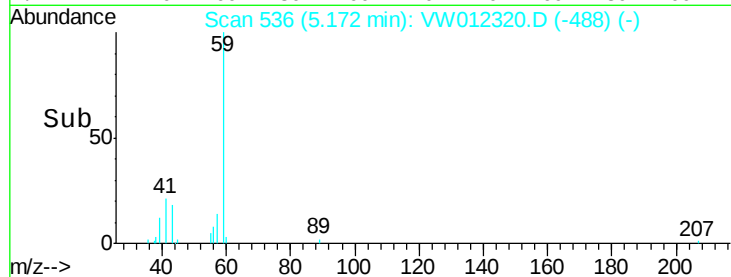
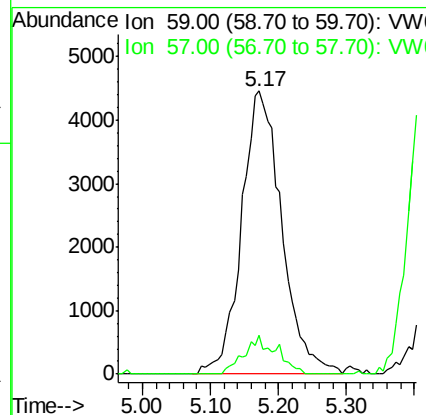
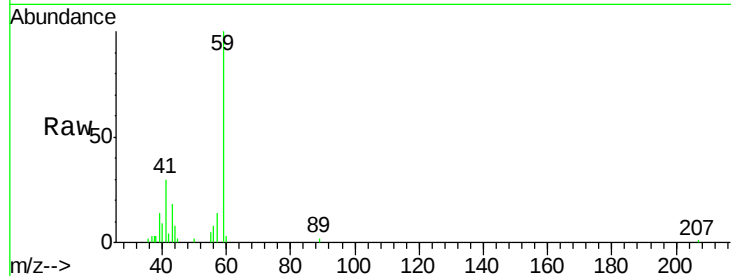
Tert butyl alcohol
Concen: 123.634 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

Manual Integrations
APPROVED

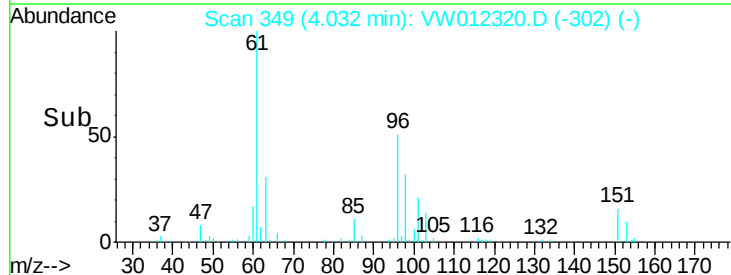
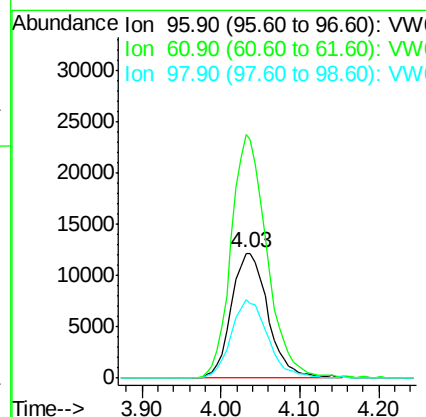
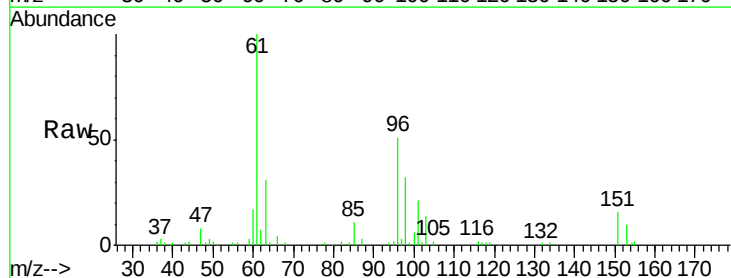
MMDadoda
8/30/2019 11:41:39 AM

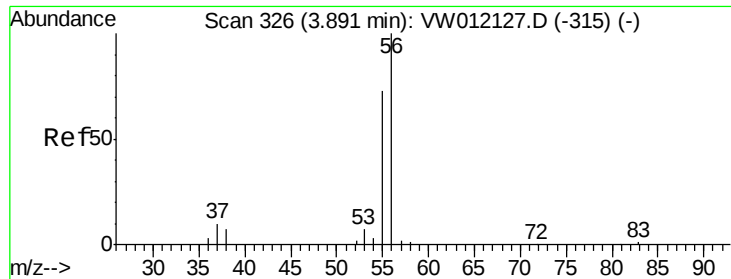


#12

1,1-Dichloroethene
Concen: 18.975 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.8	149.1	223.7
98	62.3	49.4	74.2





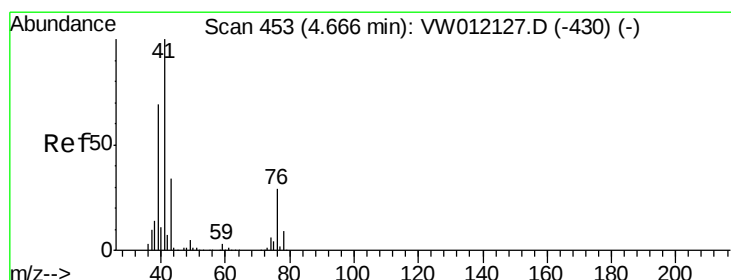
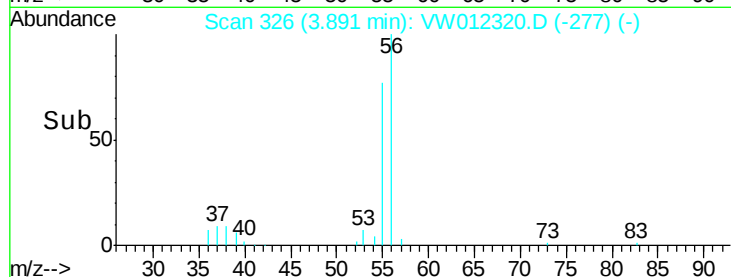
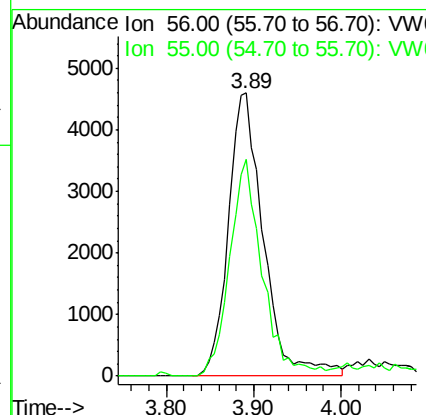
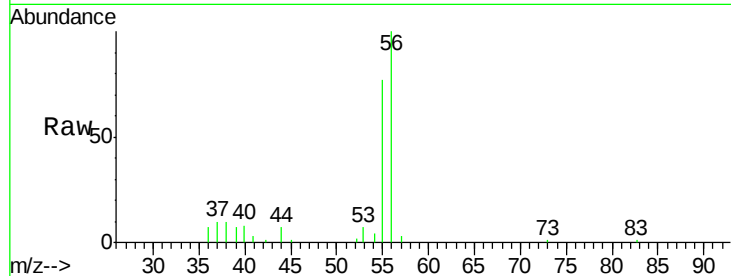
#13
Acrolein
Concen: 91.505 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	56	Resp	12781
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	55.8	83.8

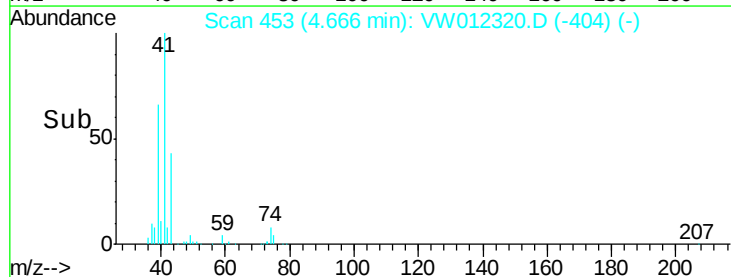
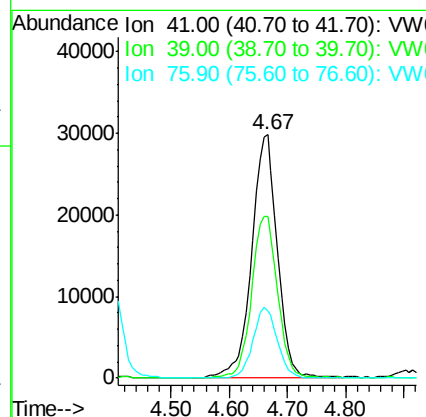
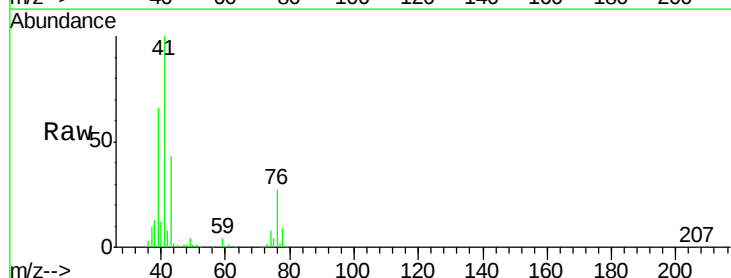
Manual Integrations
APPROVED

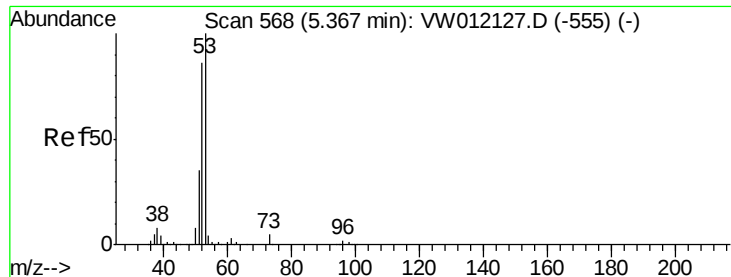
MMDadoda
8/30/2019 11:41:39 AM



#14
Allyl chloride
Concen: 20.536 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	41	Resp	91337
Ion Ratio	100	Lower	Upper
41	100		
39	66.7	53.4	80.2
76	27.2	22.1	33.1





#15

Acrylonitrile

Concen: 114.005 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

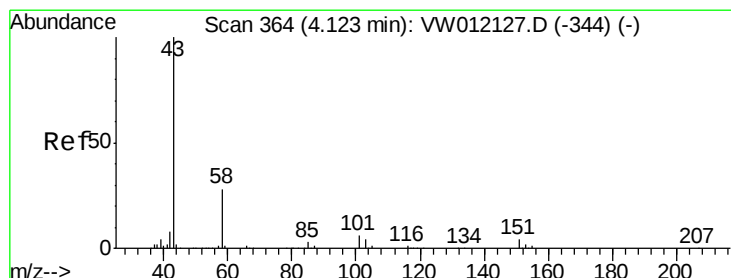
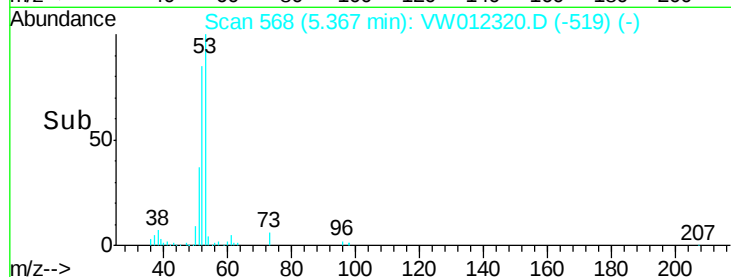
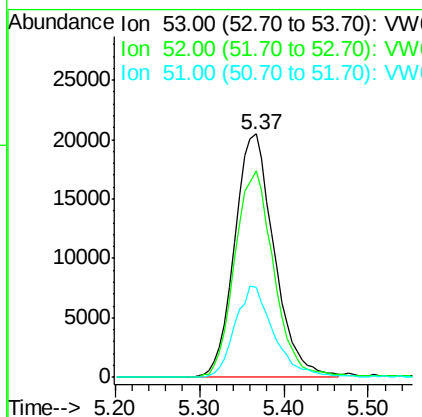
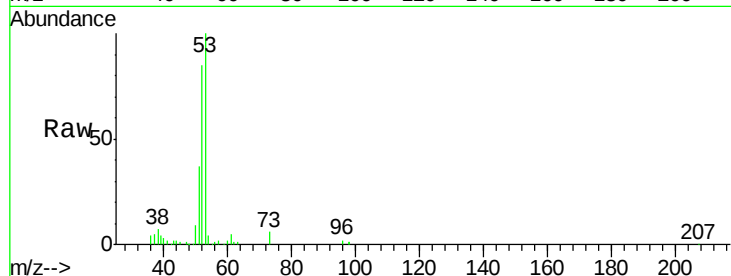
ClientSampleId :

VW0829SBS02

Tot Ion:	53	Resp:	65225
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.7	100.1
51	37.0	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#16

Acetone

Concen: 92.168 ug/l

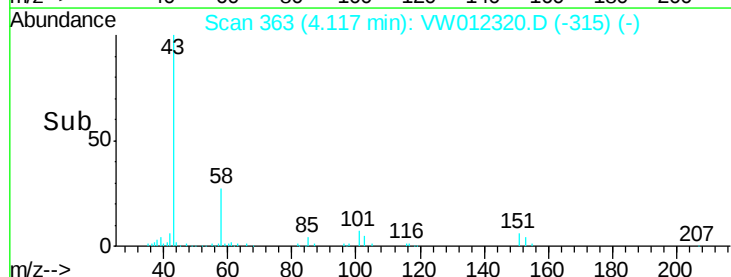
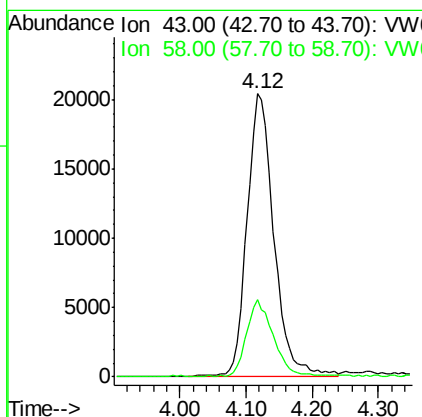
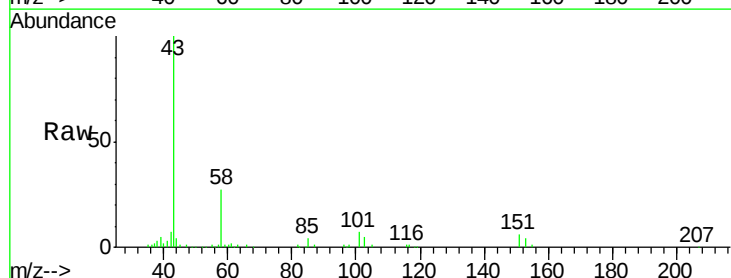
RT: 4.12 min Scan# 363

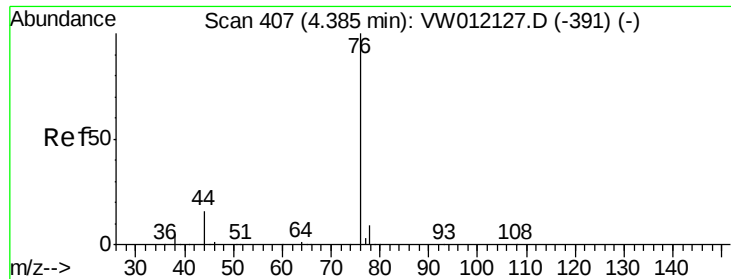
Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion:	43	Resp:	58091
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.4	33.6





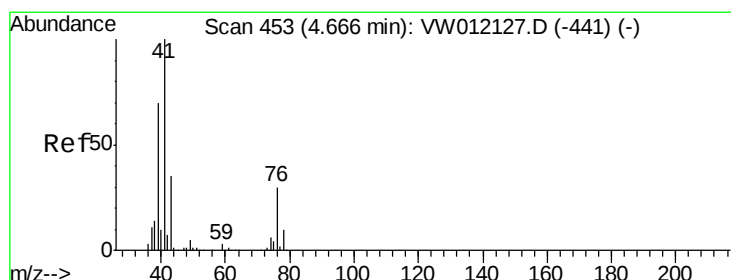
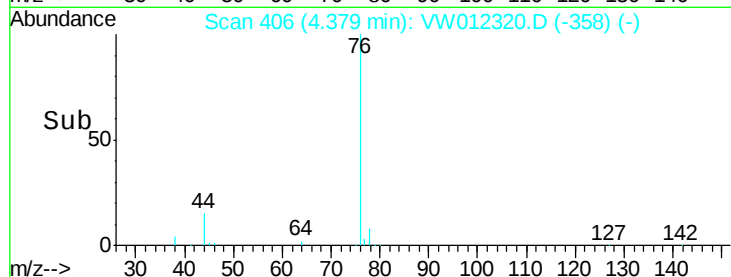
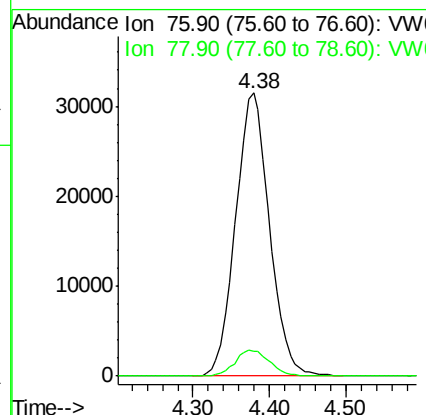
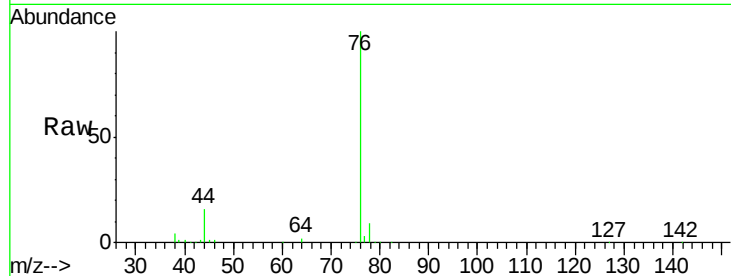
#17
Carbon Disulfide
Concen: 15.373 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	96660		
78	8.6		7.3	10.9

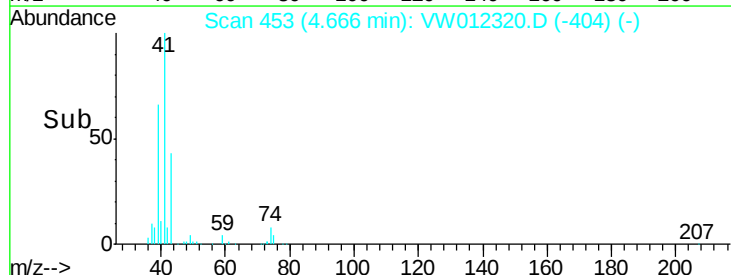
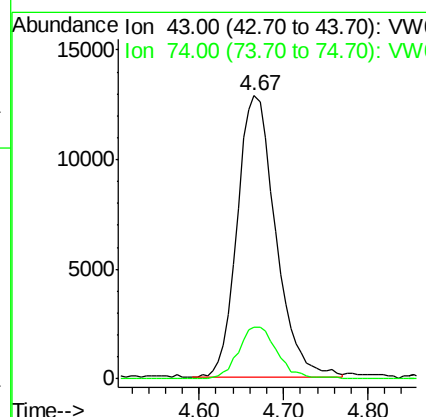
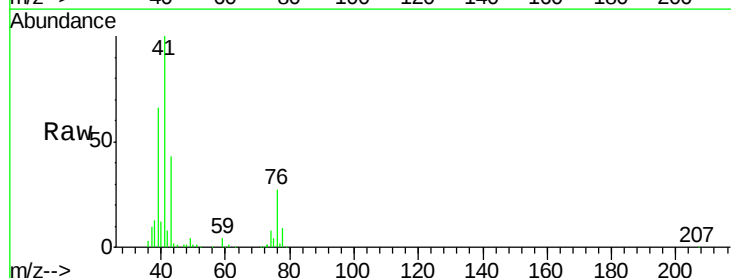
Manual Integrations
APPROVED

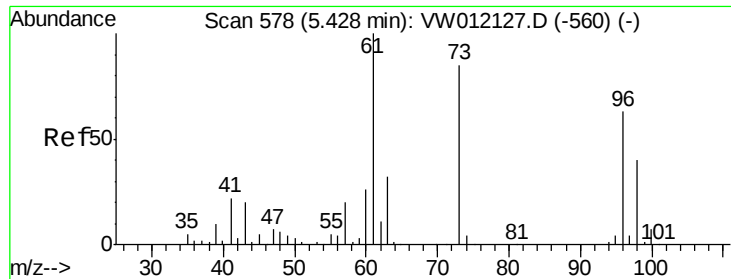
MMDadoda
8/30/2019 11:41:39 AM



#18
Methyl Acetate
Concen: 25.388 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	39633		
74	18.6		15.7	23.5





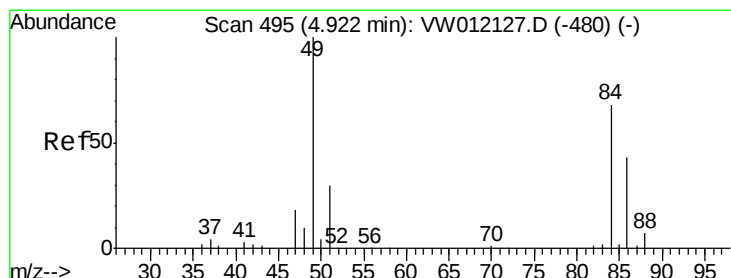
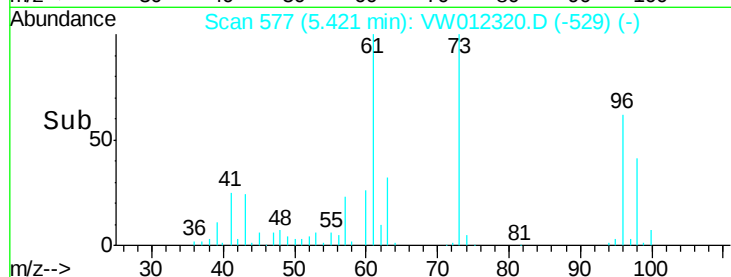
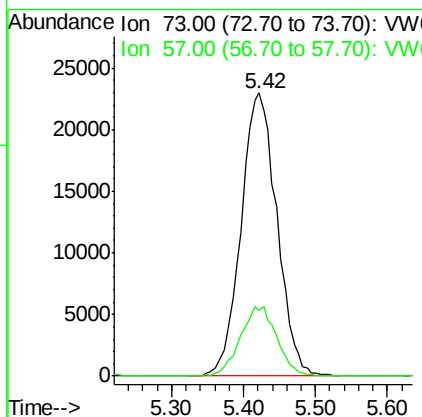
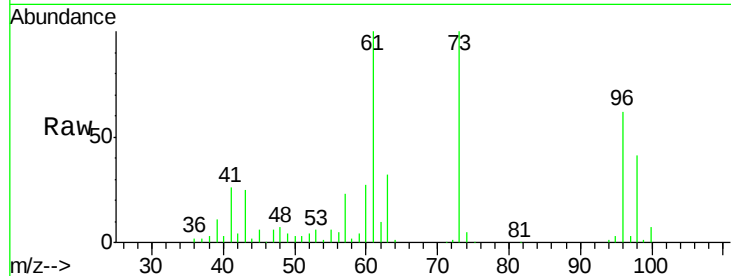
#19
Methvl tert-butvl Ether
Concen: 23.595 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion: 73 Resp: 79385
Ion Ratio Lower Upper
73 100
57 23.3 18.9 28.3

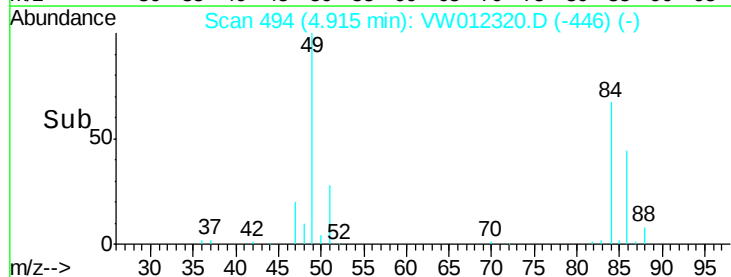
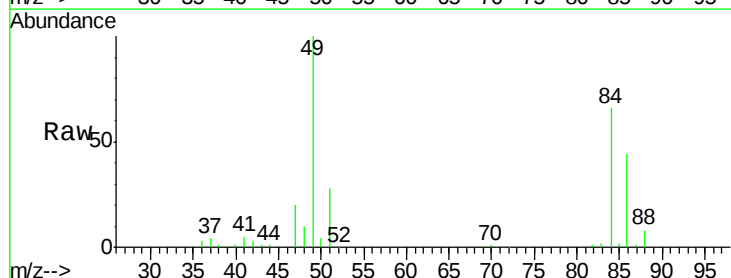
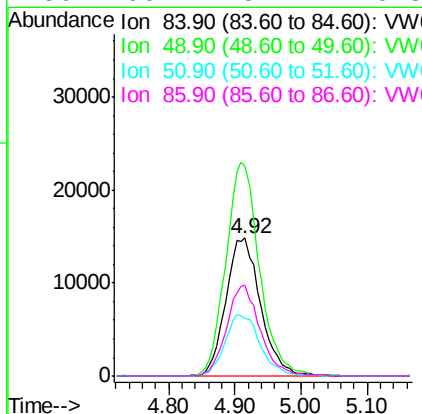
Manual Integrations
APPROVED

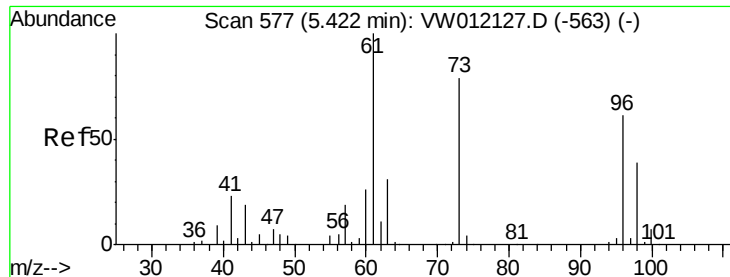
MMDadoda
8/30/2019 11:41:39 AM



#20
Methylene Chloride
Concen: 22.640 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 84 Resp: 53944
Ion Ratio Lower Upper
84 100
49 151.2 117.8 176.8
51 42.1 35.6 53.4
86 66.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.939 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

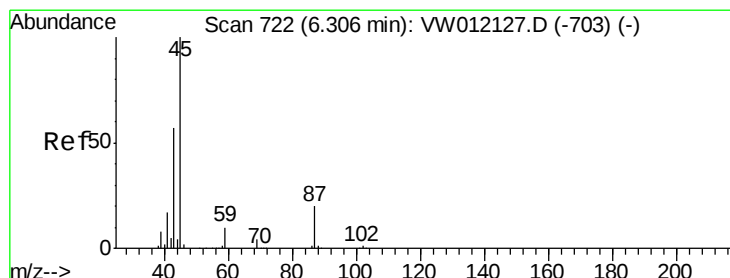
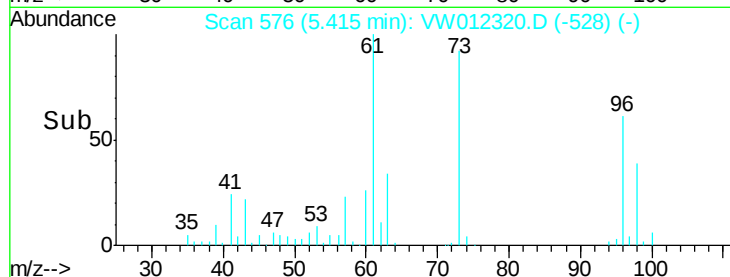
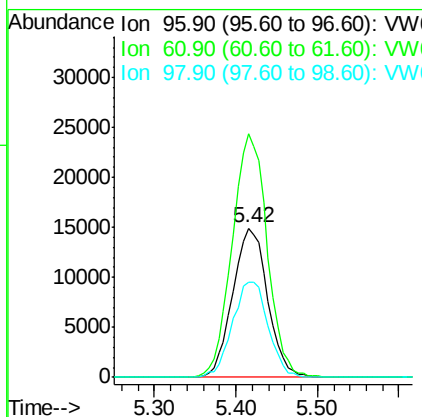
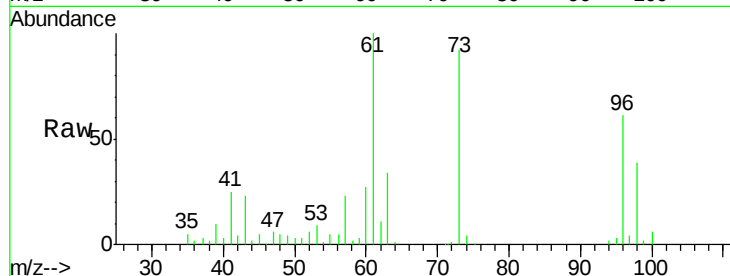
ClientSampleId :

VW0829SBS02

Tot Ion:	96	Resp:	44484
Ion	Ratio	Lower	Upper
96	100		
61	163.4	131.4	197.0
98	63.7	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#22

Diisopropyl ether

Concen: 22.862 ug/l

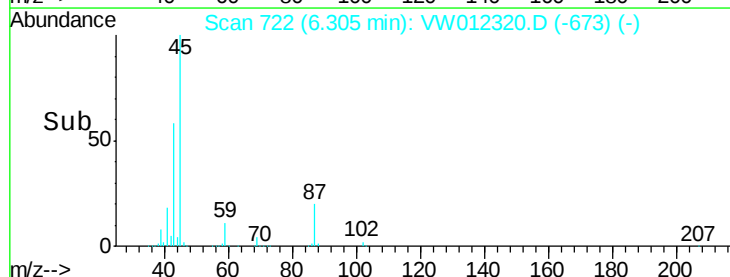
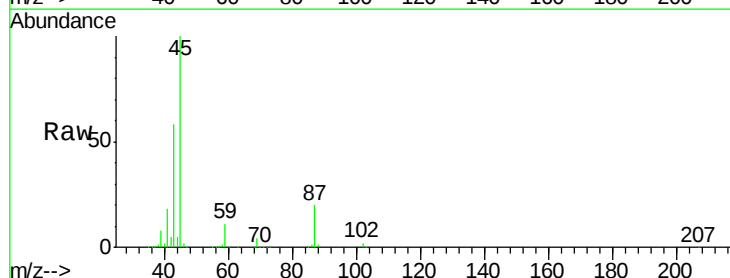
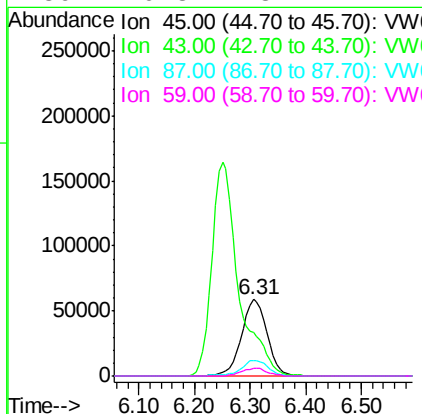
RT: 6.31 min Scan# 722

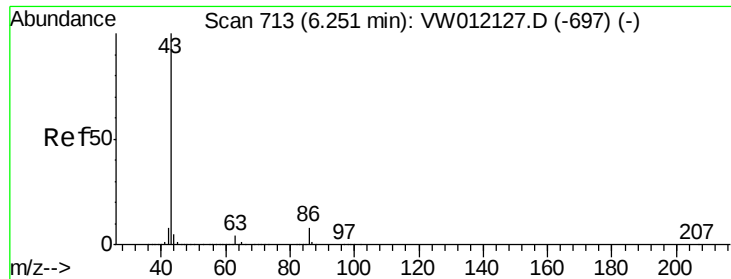
Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion:	45	Resp:	188478
Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.5	68.3
87	20.4	16.1	24.1
59	10.8	8.2	12.2





#23

Vinyl Acetate

Concen: 108.504 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 43 Resp: 550514

Ion Ratio Lower Upper

43 100

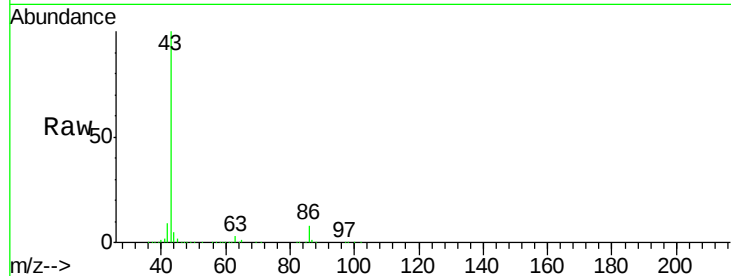
86 8.2 6.5 9.7

Manual Integrations

APPROVED

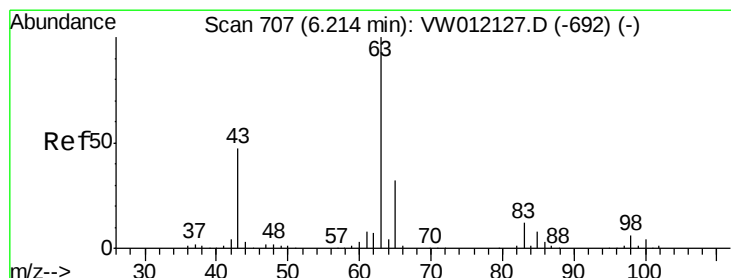
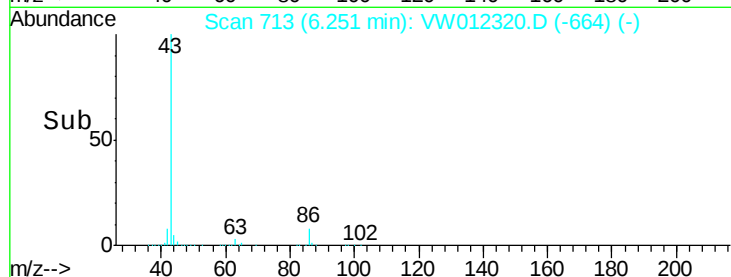
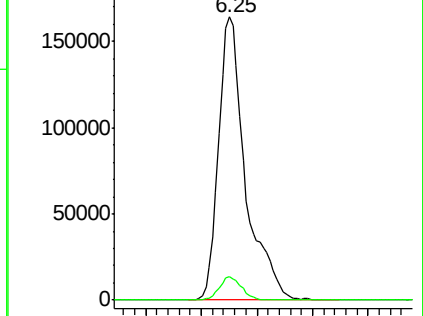
MMDadoda

8/30/2019 11:41:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.620 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

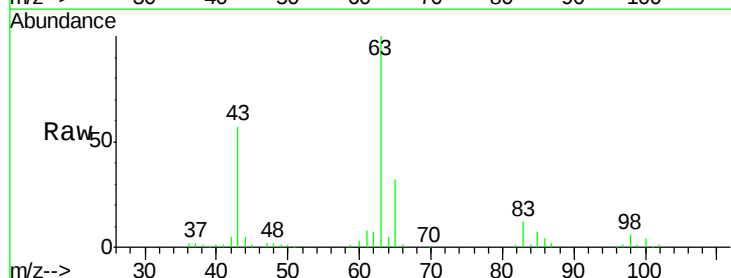
Tgt Ion: 63 Resp: 97050

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

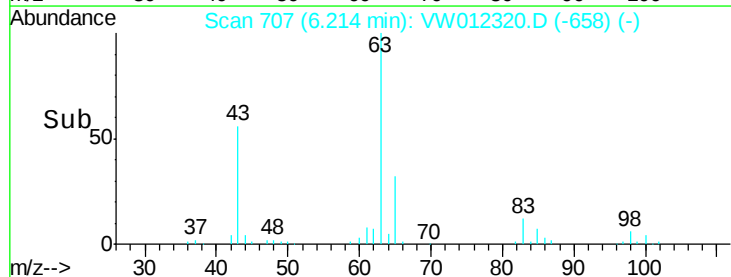
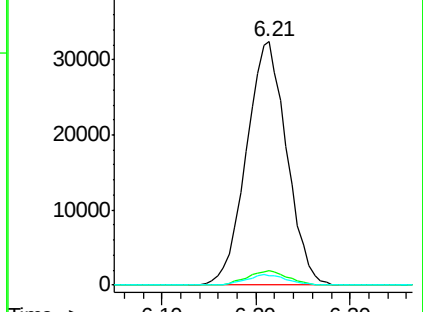
100 3.9 2.0 6.0

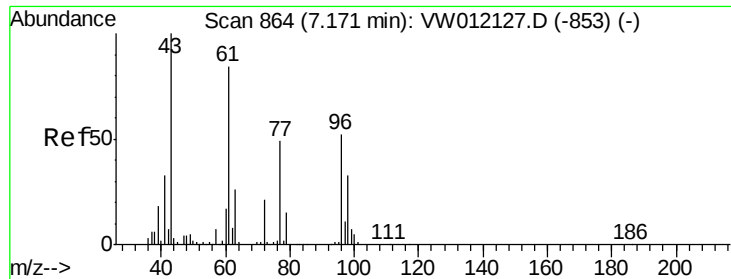


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 105.600 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 43 Resp: 90443

Ion Ratio Lower Upper

43 100

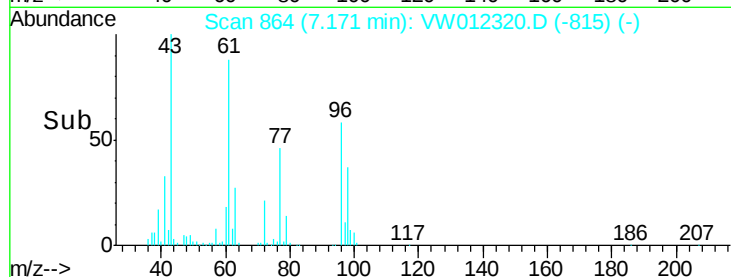
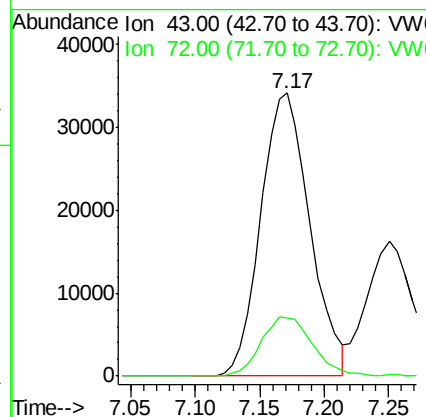
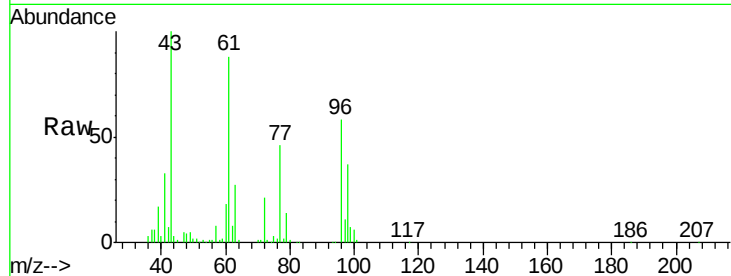
72 20.5 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



#26

2,2-Dichloropropane

Concen: 19.487 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012320.D

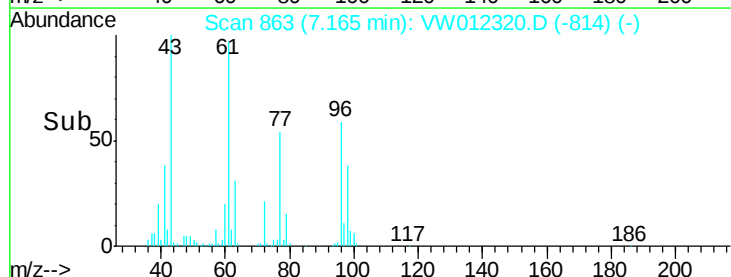
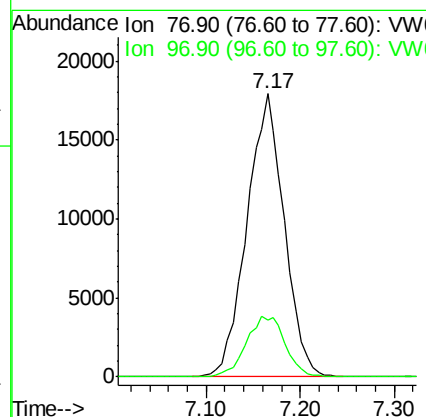
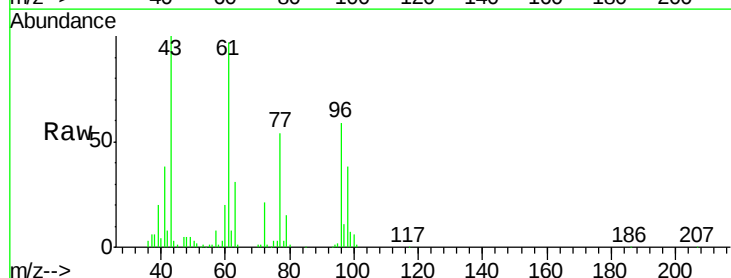
Acq: 29 Aug 2019 23:48

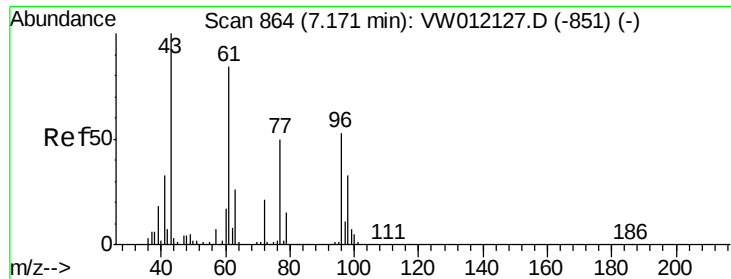
Tgt Ion: 77 Resp: 49511

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

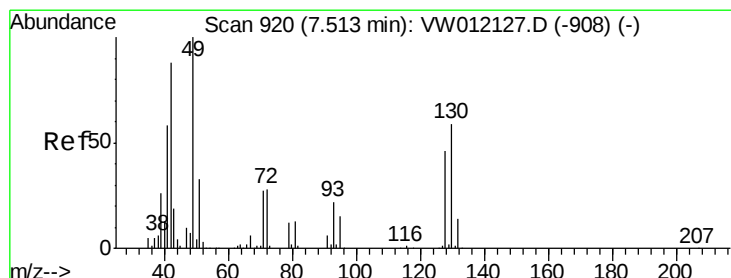
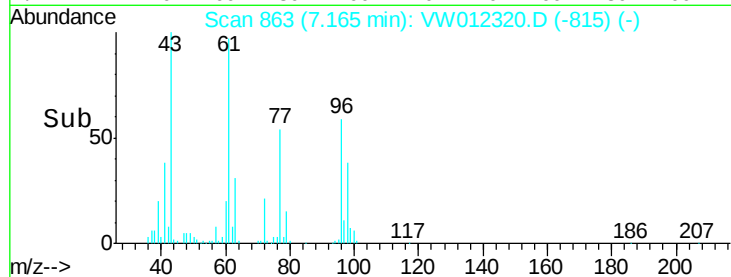
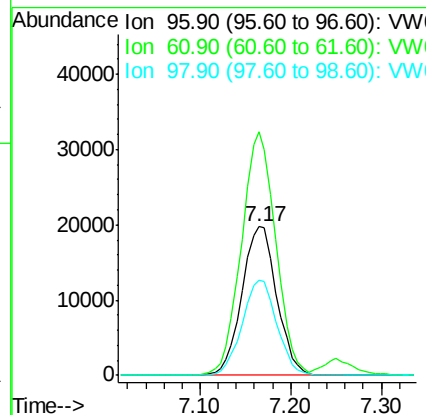
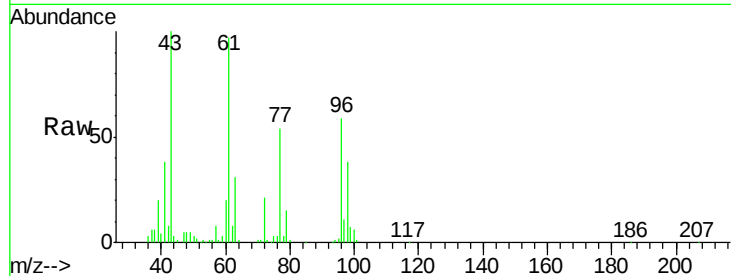
cis-1,2-Dichloroethene
Concen: 22.063 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	326.6
98	63.7	0.0	127.4

Manual Integrations
APPROVED

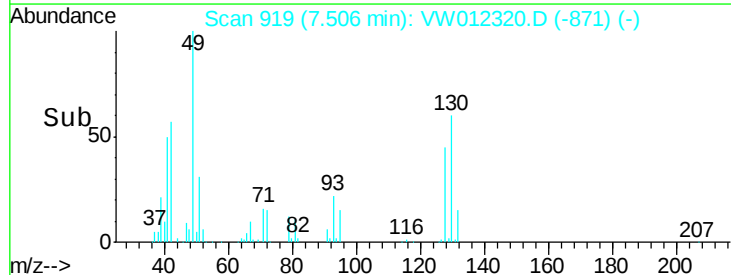
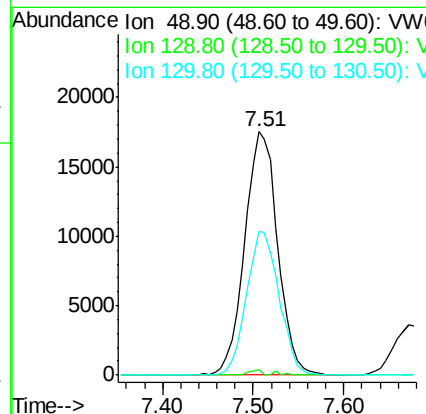
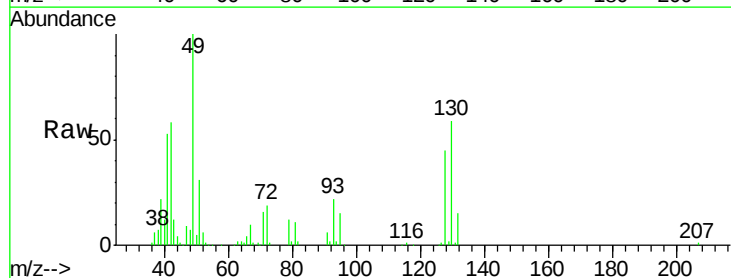
MMDadoda
8/30/2019 11:41:39 AM

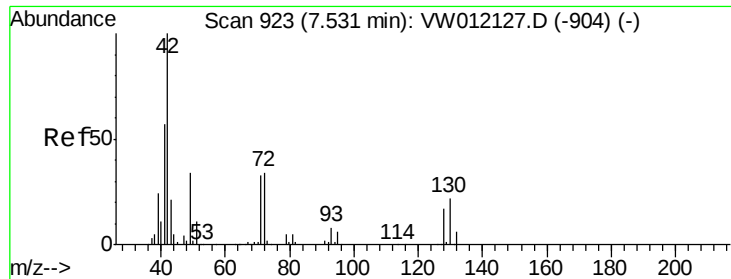


#28

Bromochloromethane
Concen: 22.593 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	58.2	45.5	68.3





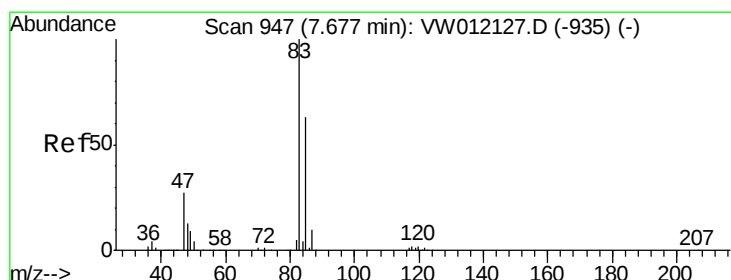
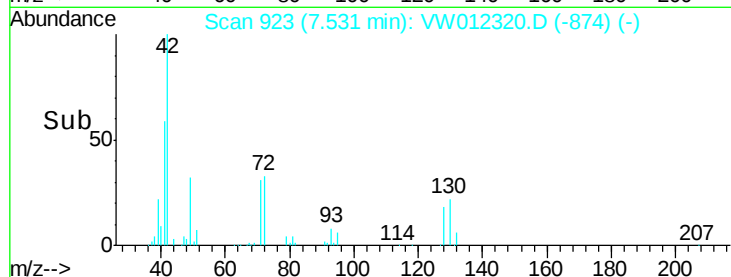
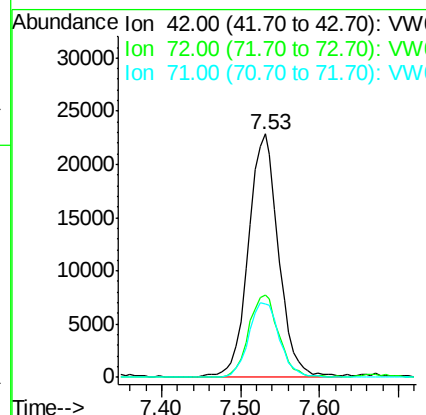
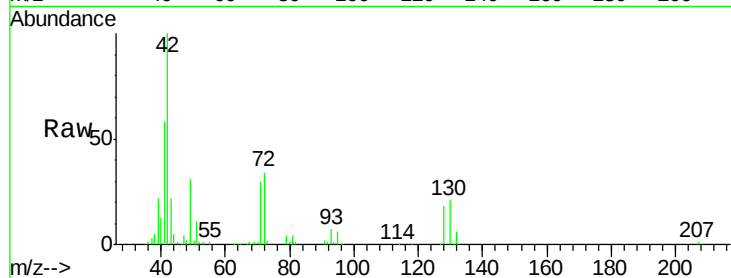
#29
Tetrahydrofuran
Concen: 117.450 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.3	40.9
71	31.5	25.5	38.3

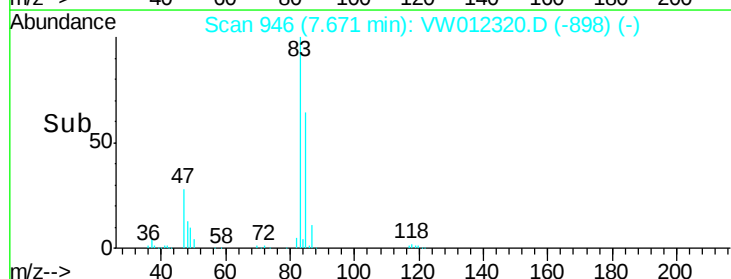
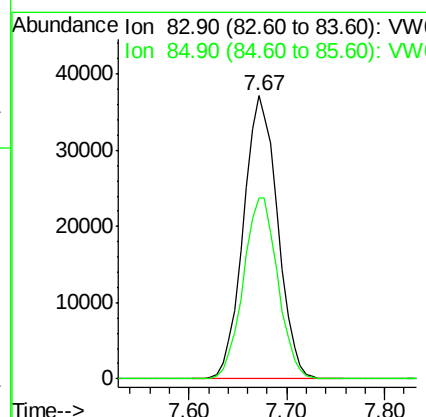
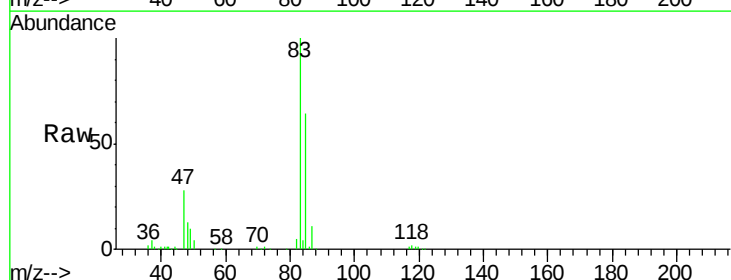
Manual Integrations
APPROVED

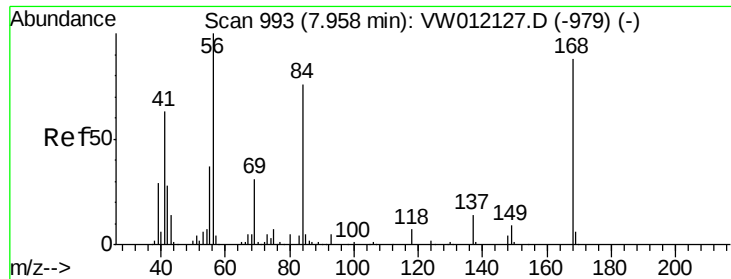
MMDadoda
8/30/2019 11:41:39 AM



#30
Chloroform
Concen: 21.923 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	76.0





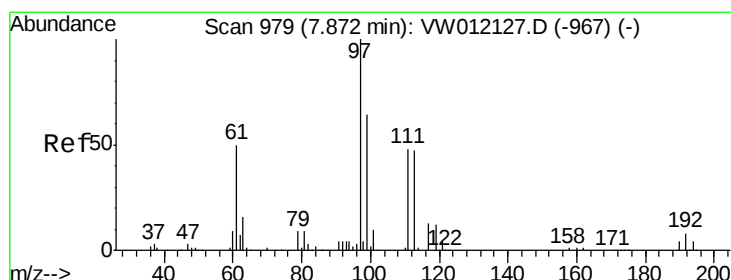
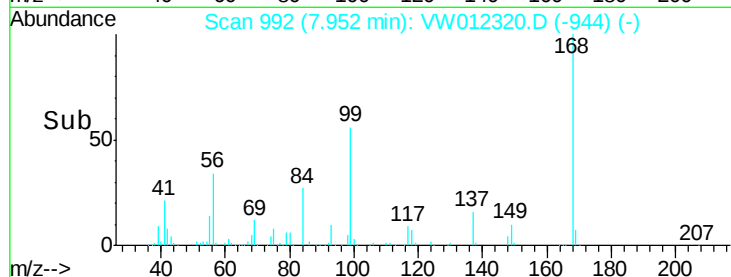
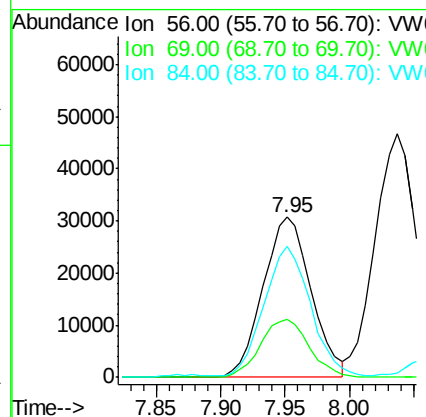
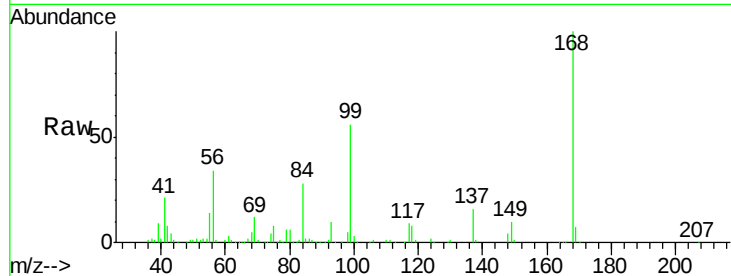
#31
Cvclohexane
Concen: 17.942 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	24.9	37.3
84	80.4	60.6	90.8

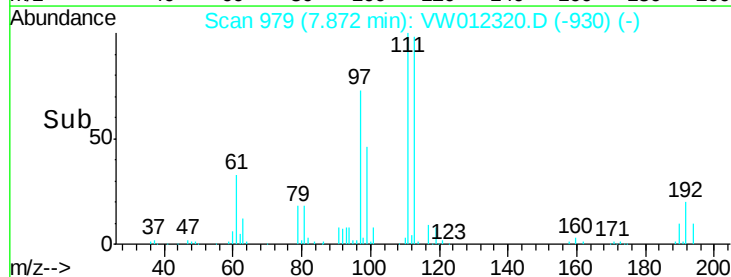
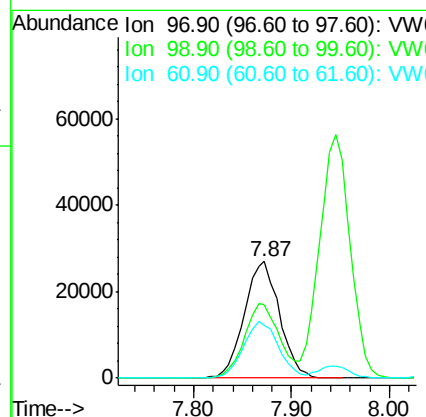
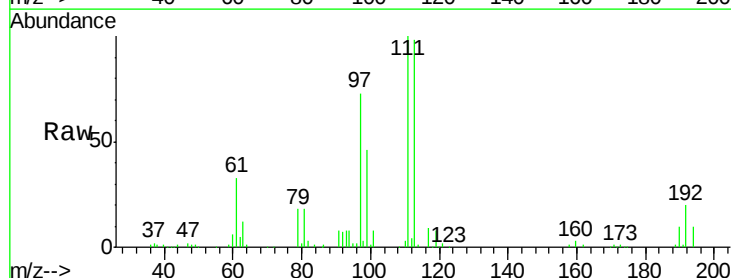
Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#32
1,1,1-Trichloroethane
Concen: 20.822 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.0
61	48.7	39.5	59.3





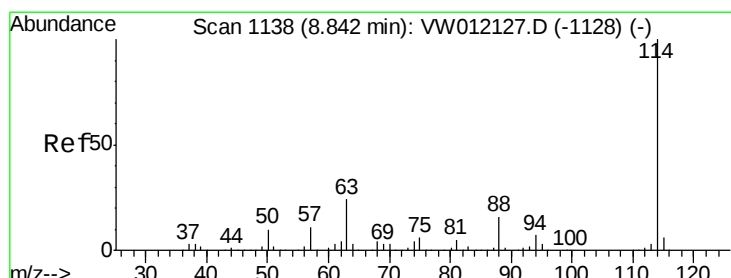
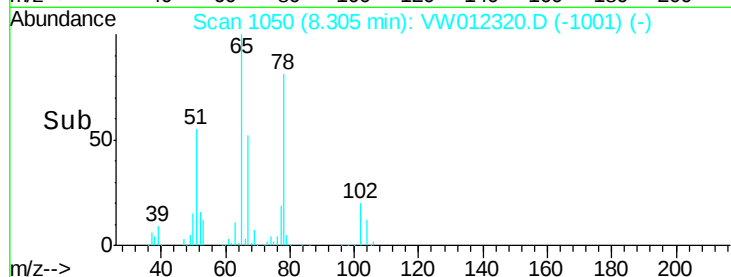
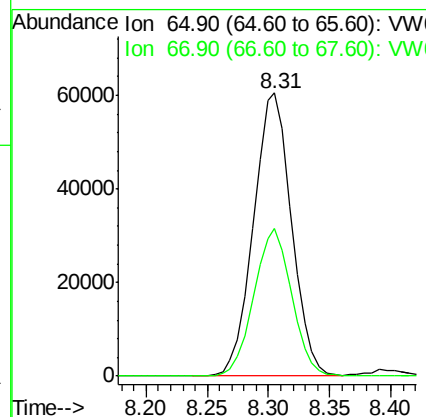
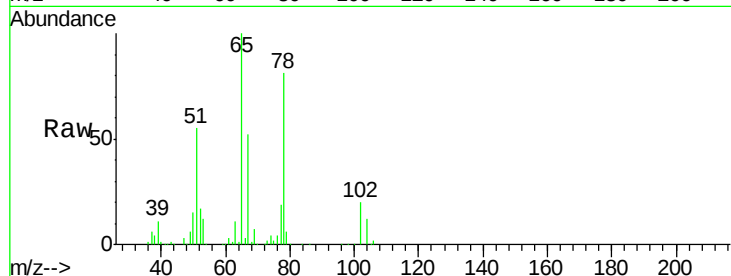
#33
 1,2-Dichloroethane-d4
 Concen: 53.170 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	102.6	

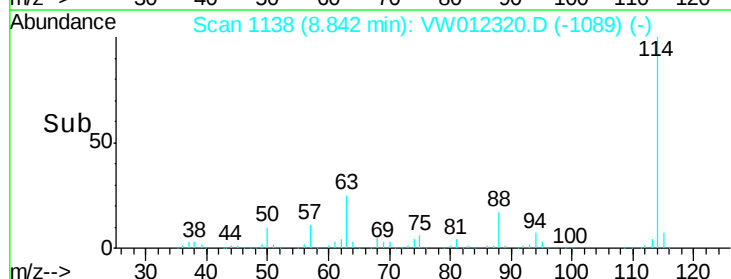
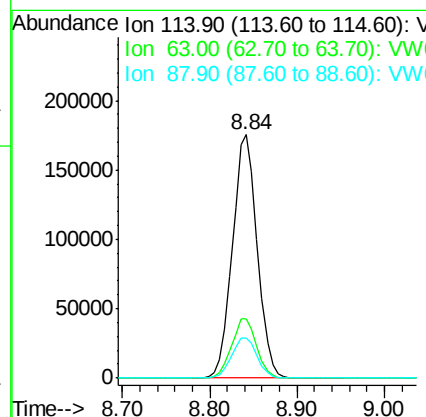
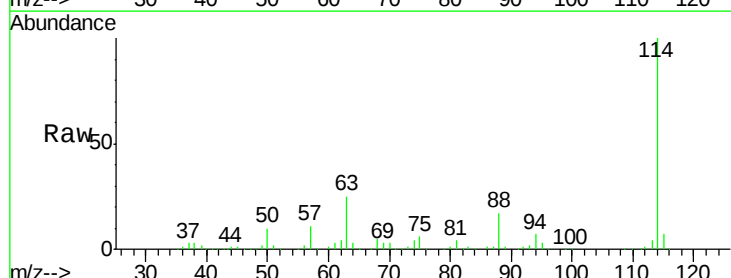
Manual Integrations
 APPROVED

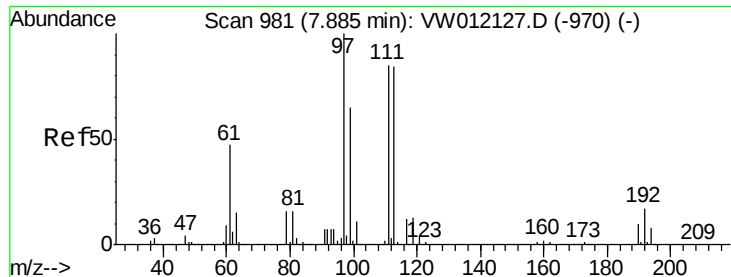
MMDadoda
 8/30/2019 11:41:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.5	0.0	48.6	
88	16.6	0.0	32.2	





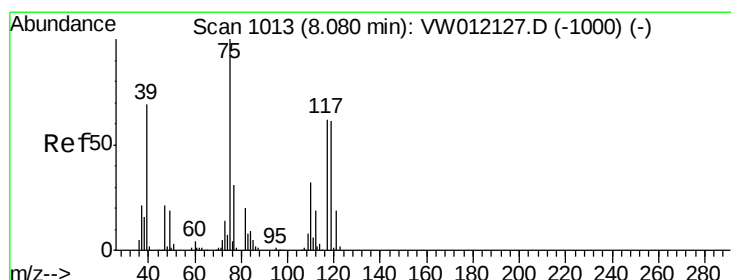
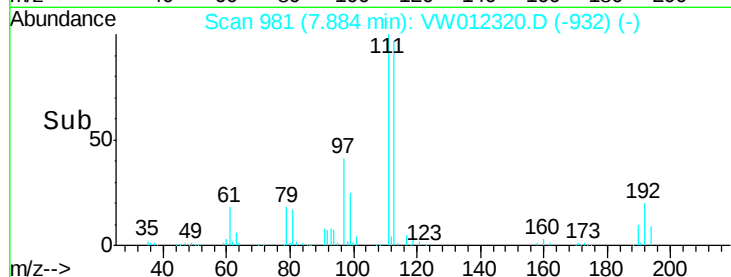
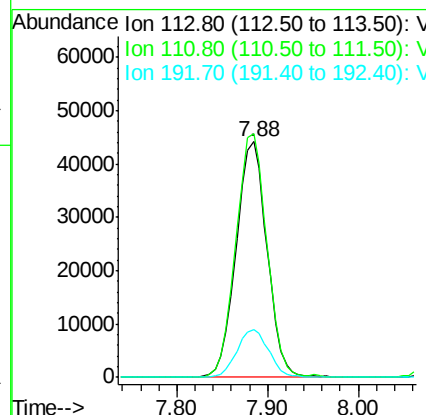
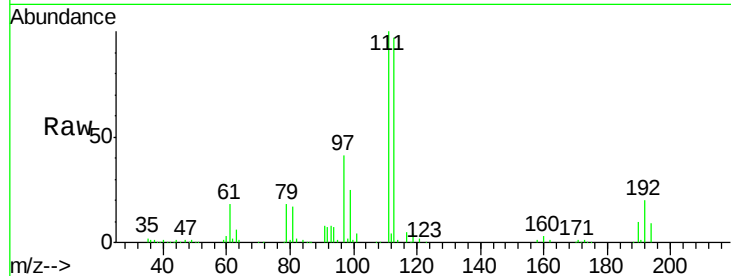
#35
 Dibromofluoromethane
 Concen: 50.879 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.0	82.7	124.1	
192	20.6	16.2	24.2	

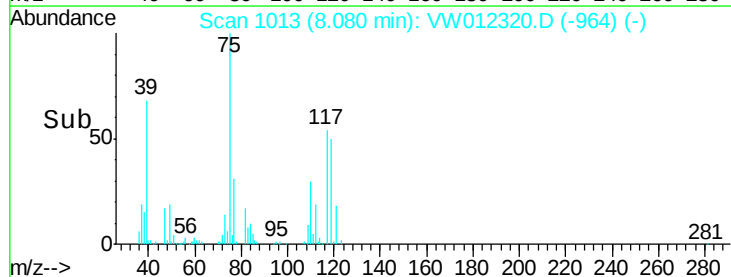
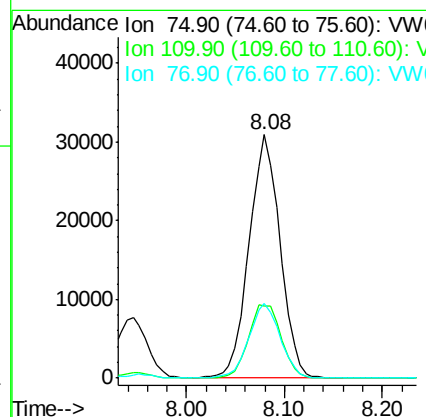
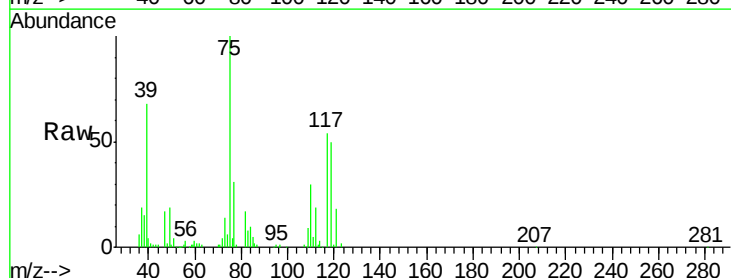
Manual Integrations
 APPROVED

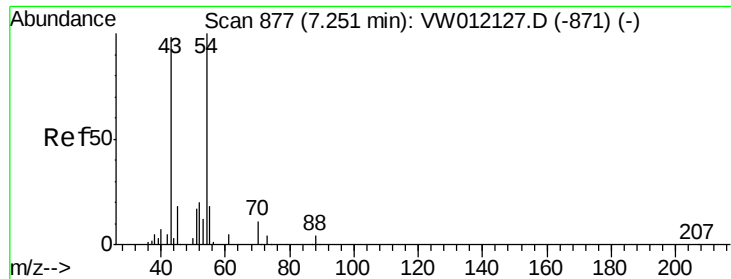
MMDadoda
 8/30/2019 11:41:39 AM



#36
 1,1-Dichloropropene
 Concen: 19.214 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.8	15.6	46.8	
77	30.9	24.6	36.8	





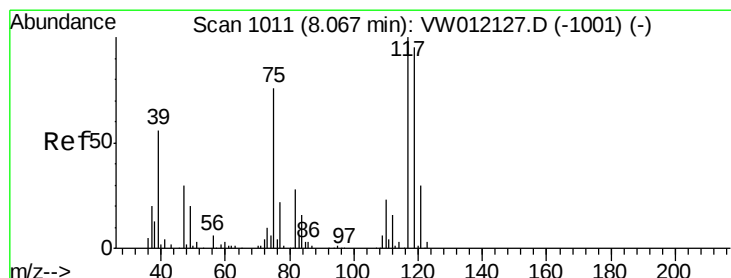
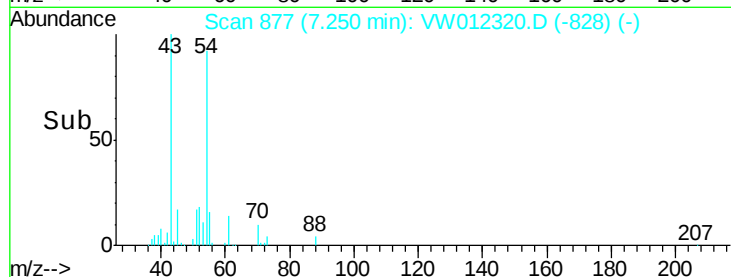
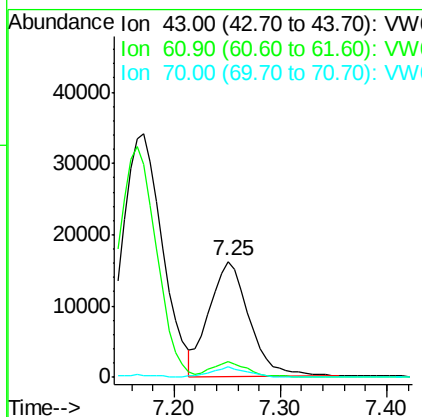
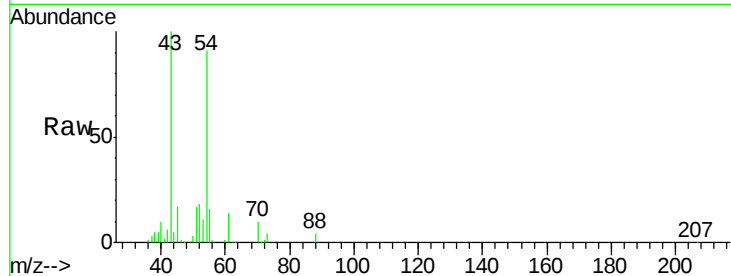
#37
Ethyl Acetate
Concen: 21.707 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.2	13.8
70	8.3	6.9	10.3

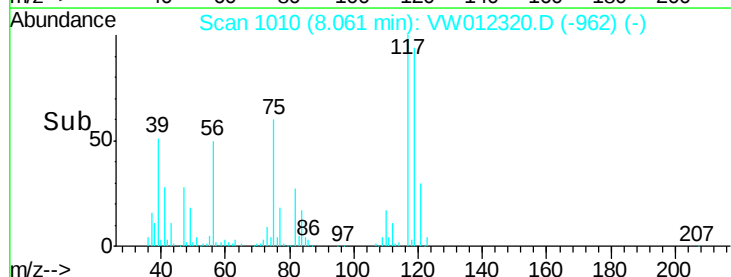
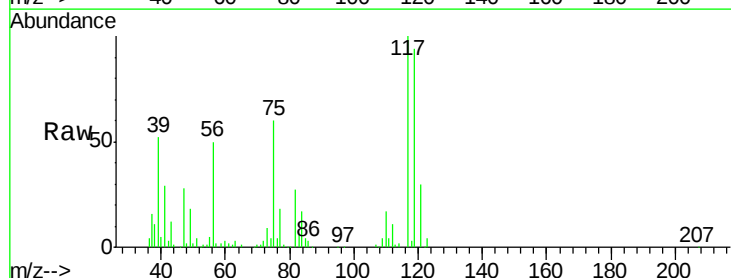
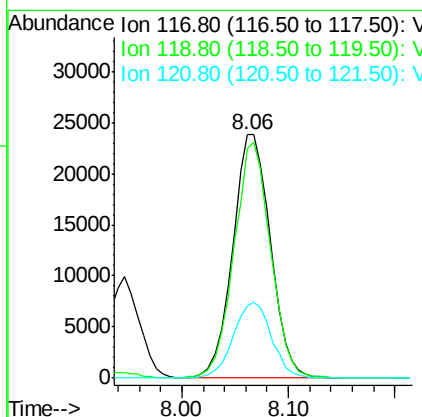
Manual Integrations
APPROVED

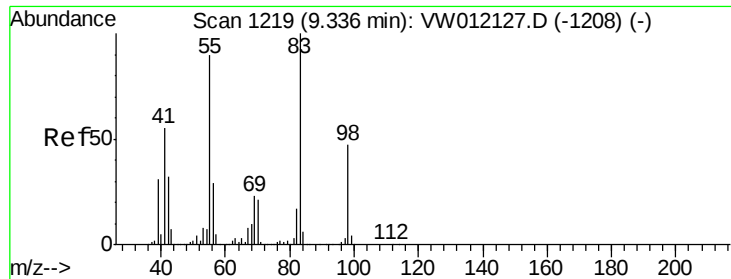
MMDadoda
8/30/2019 11:41:39 AM



#38
Carbon Tetrachloride
Concen: 19.227 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.2	114.2
121	29.6	23.8	35.8





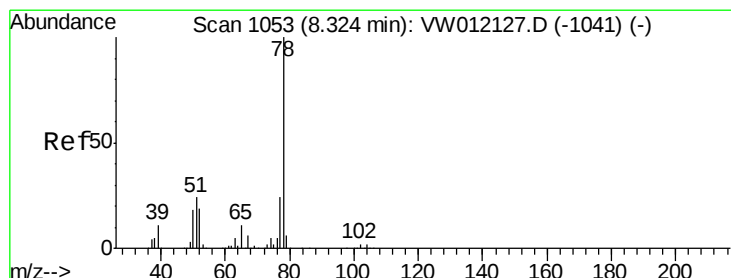
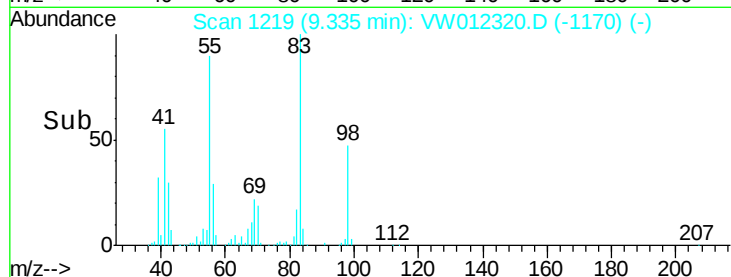
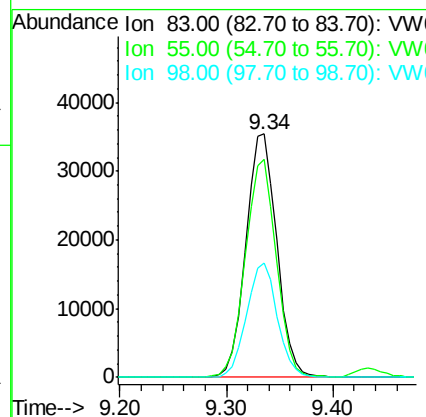
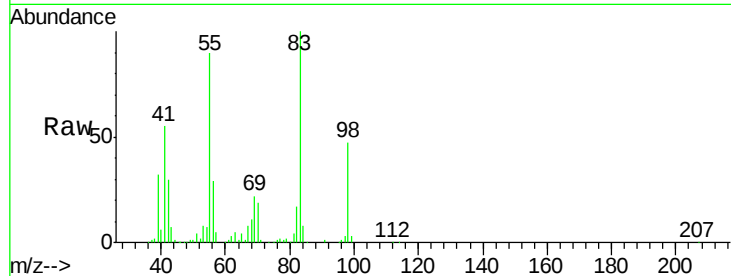
#39
Methvlcvclohexane
Concen: 18.118 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	71.8	107.8
98	46.9	37.8	56.8

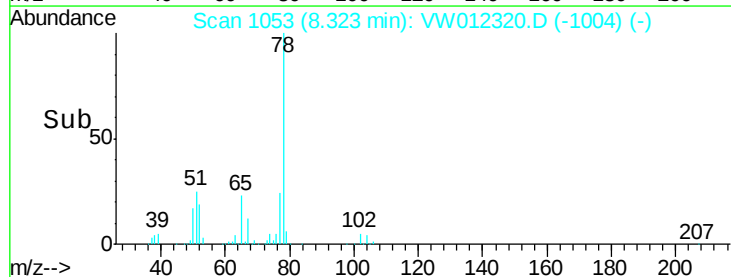
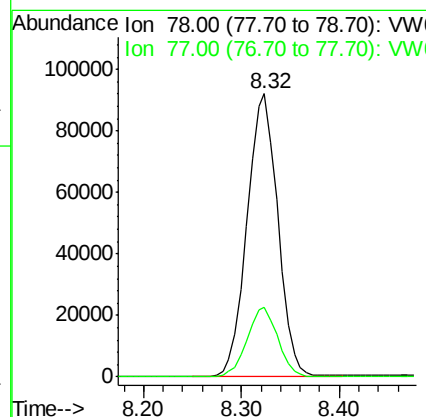
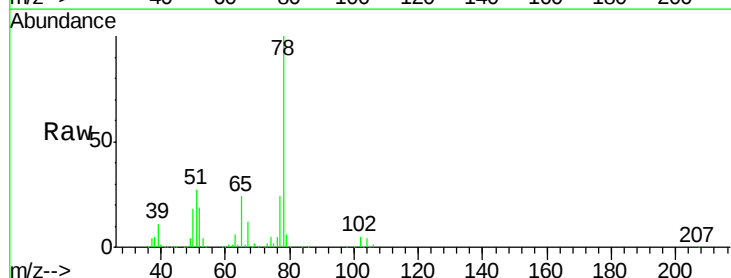
Manual Integrations
APPROVED

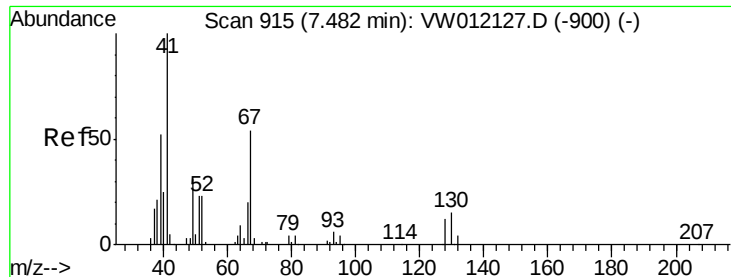
MMDadoda
8/30/2019 11:41:39 AM



#40
Benzene
Concen: 20.713 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





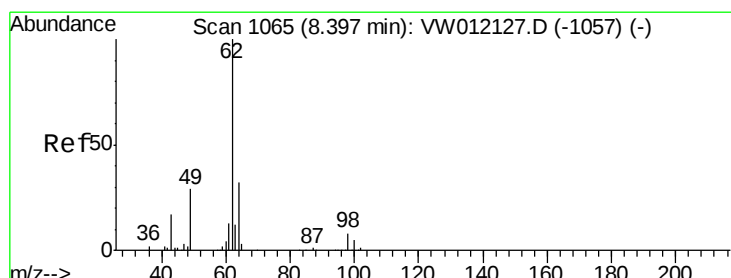
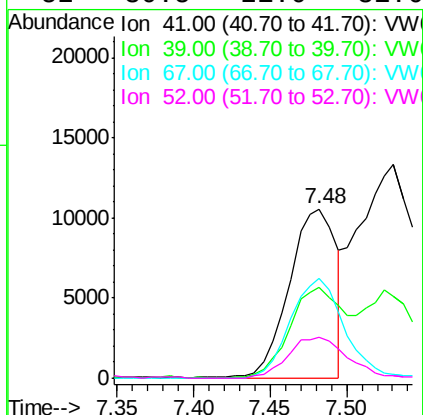
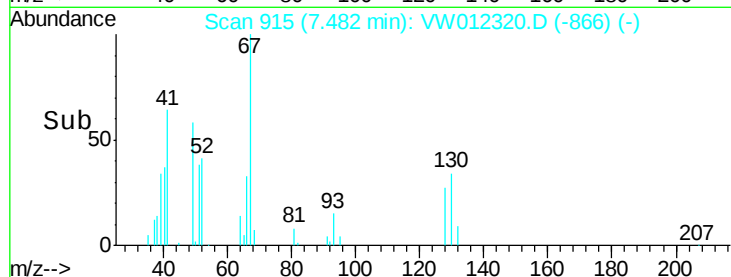
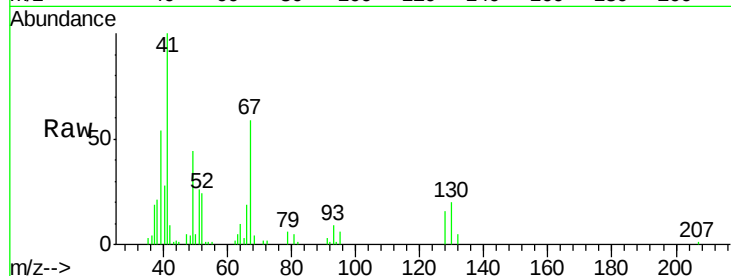
#41
Methacrylonitrile
Concen: 19.775 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	41	Resp	22665
Ion Ratio	Lower	Upper	
41	100		
39	65.9	45.8	68.8
67	67.0	46.2	69.4
52	30.5	21.0	31.6

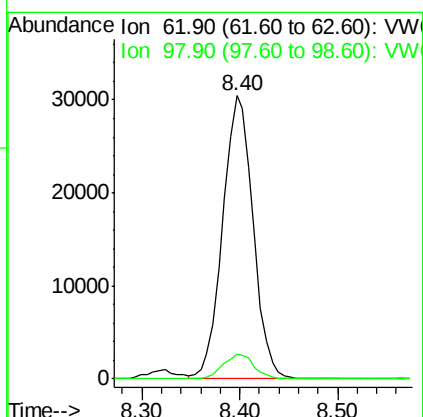
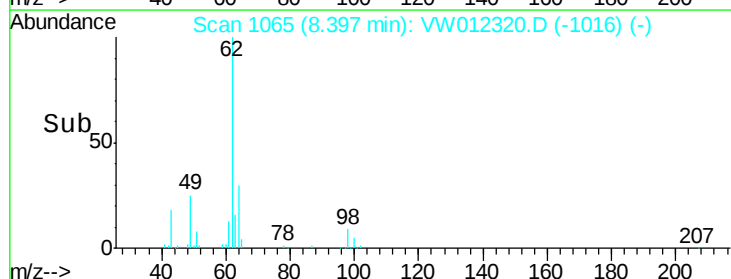
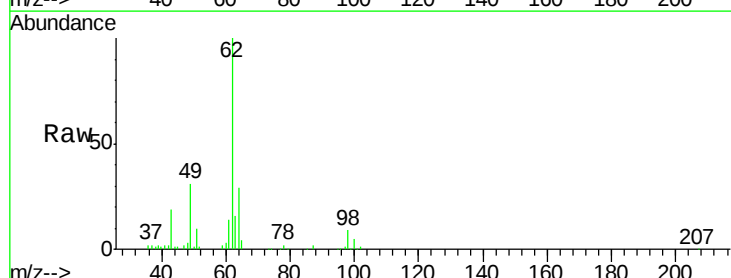
Manual Integrations
APPROVED

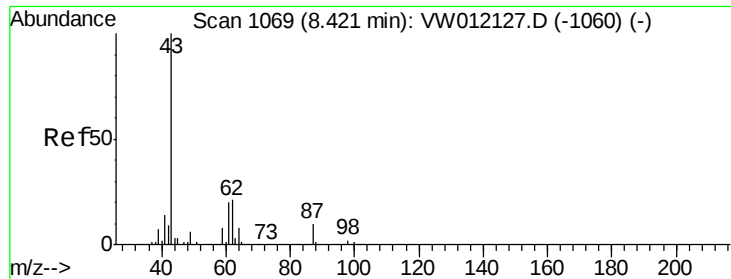
MMDadoda
8/30/2019 11:41:39 AM



#42
1,2-Dichloroethane
Concen: 21.542 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	62	Resp	65606
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	16.6





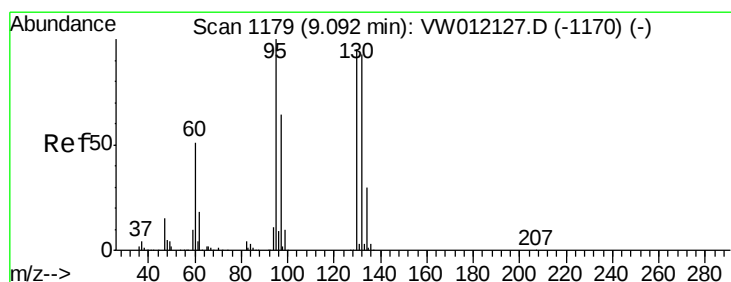
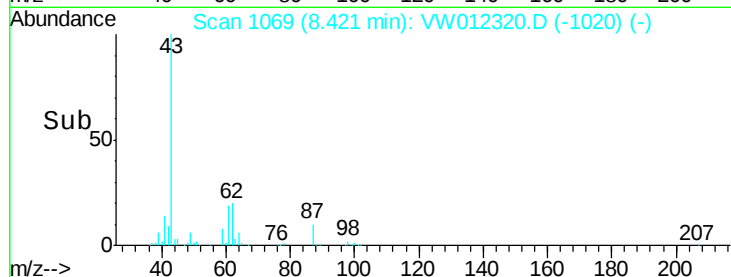
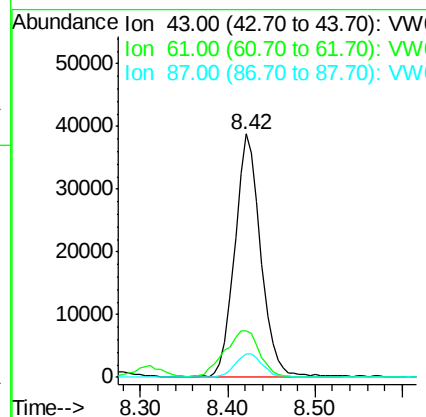
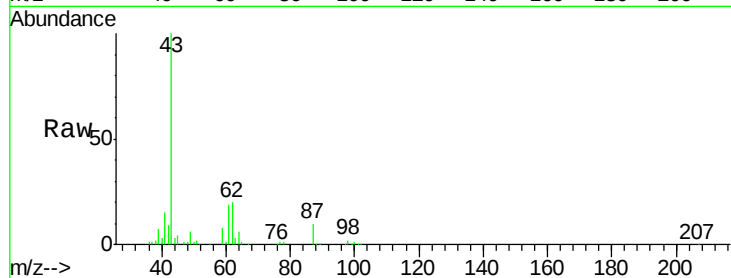
#43
Isopropyl Acetate
Concen: 22.139 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.1	31.7
87	10.3	8.2	12.2

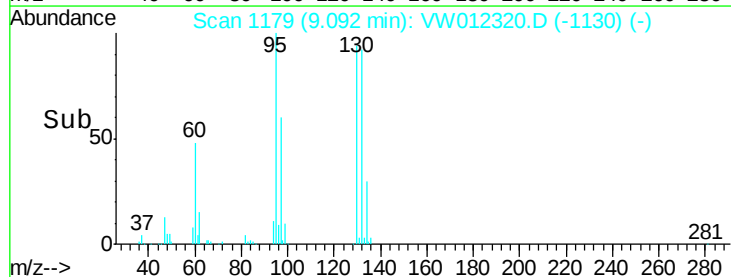
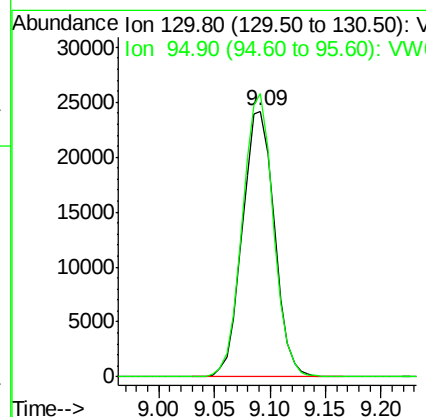
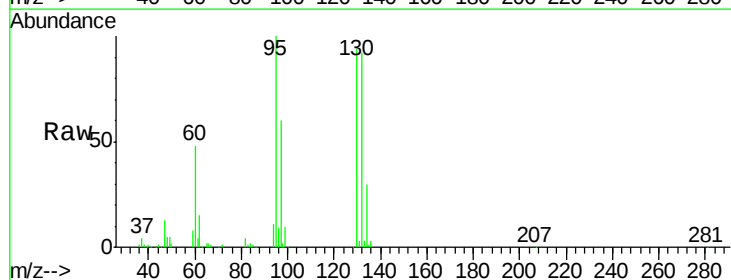
Manual Integrations
APPROVED

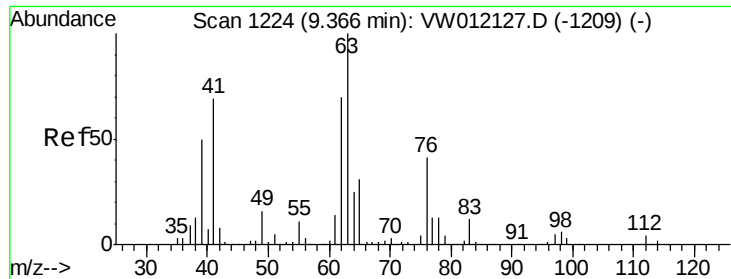
MMDadoda
8/30/2019 11:41:39 AM



#44
Trichloroethene
Concen: 20.454 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	210.6





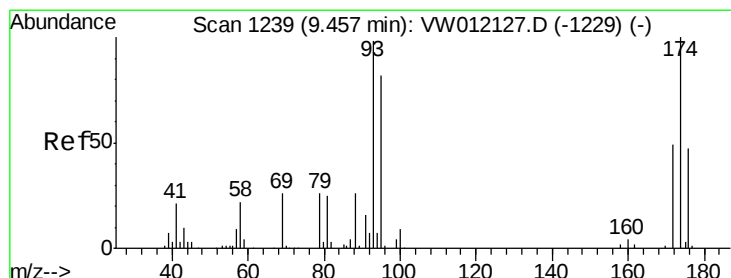
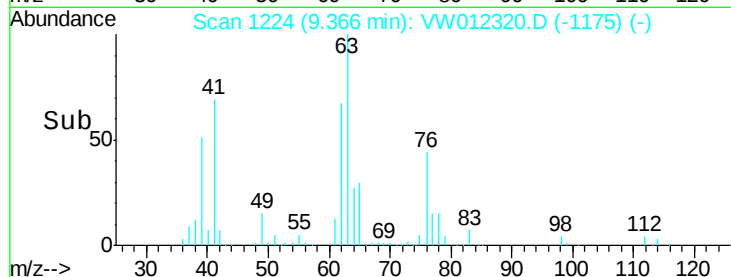
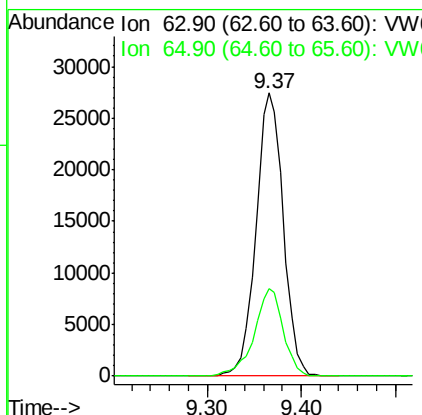
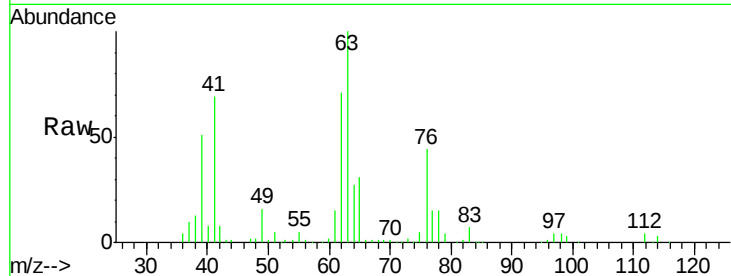
#45
 1,2-Dichloropropane
 Concen: 21.337 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion: 63 Resp: 55802
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

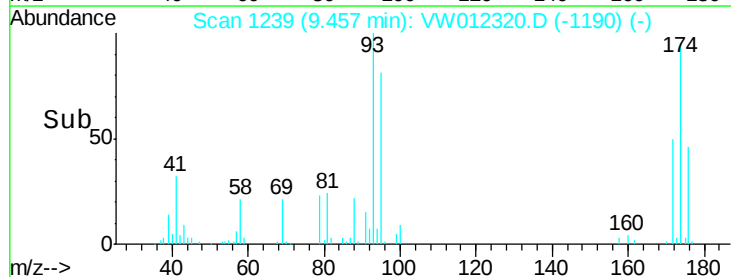
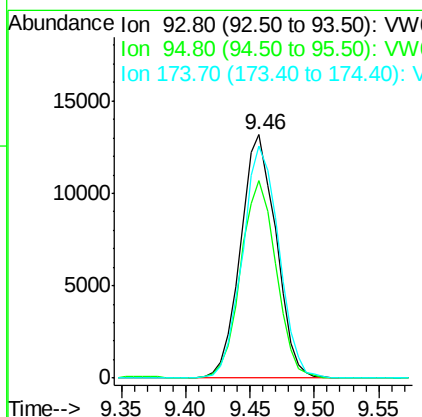
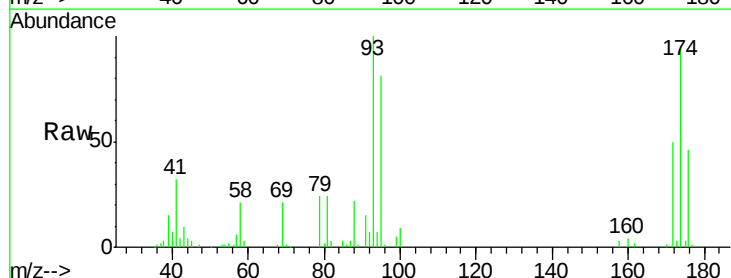
Manual Integrations
 APPROVED

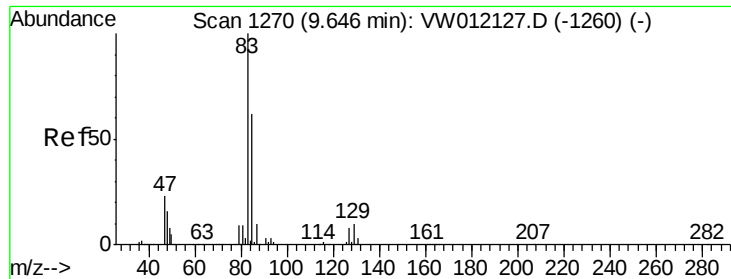
MMDadoda
 8/30/2019 11:41:39 AM



#46
 Dibromomethane
 Concen: 21.626 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 93 Resp: 25164
 Ion Ratio Lower Upper
 93 100
 95 80.4 67.2 100.8
 174 97.1 79.0 118.6





#47

Bromodichloromethane

Concen: 20.664 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

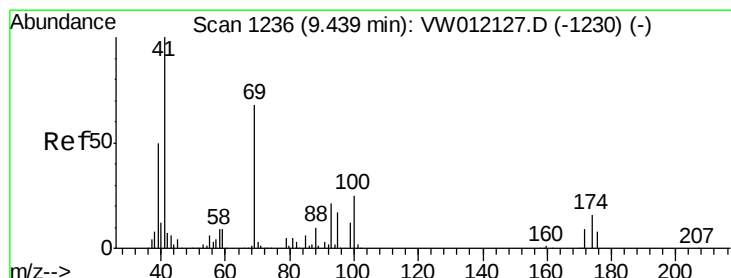
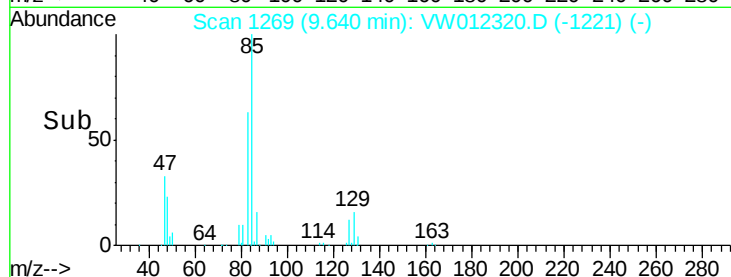
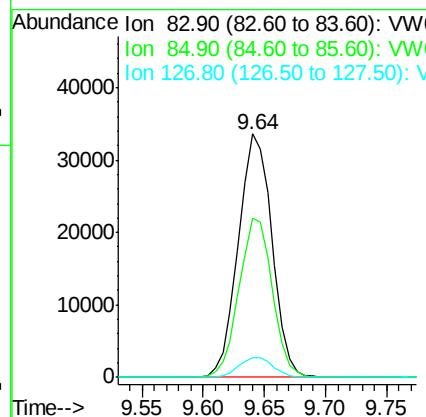
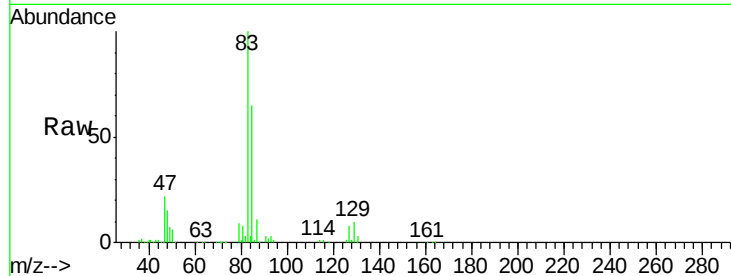
ClientSampleId :

VW0829SBS02

Tot Ion:	83	Resp:	63993
Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.4	74.2
127	7.9	6.1	9.1

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#48

Methyl methacrylate

Concen: 21.301 ug/l

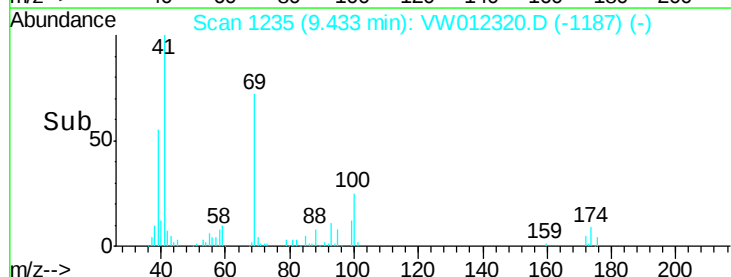
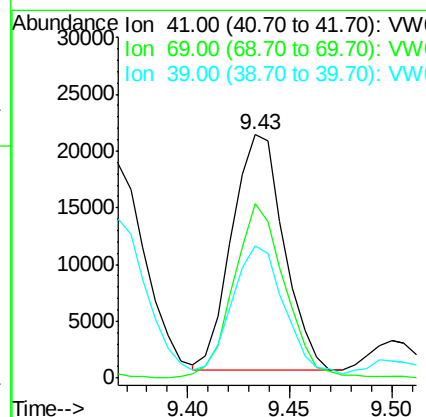
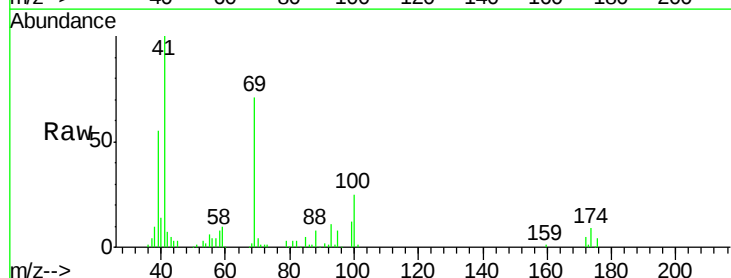
RT: 9.43 min Scan# 1235

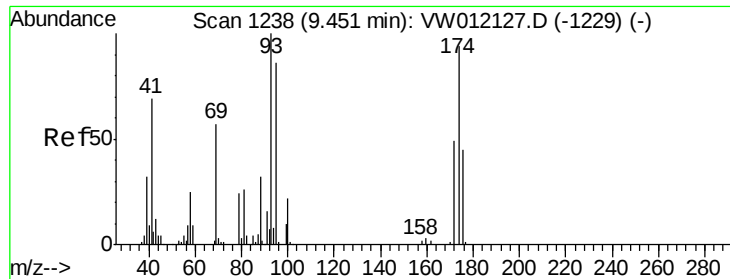
Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion:	41	Resp:	36622
Ion	Ratio	Lower	Upper
41	100		
69	73.5	56.7	85.1
39	57.7	42.0	63.0





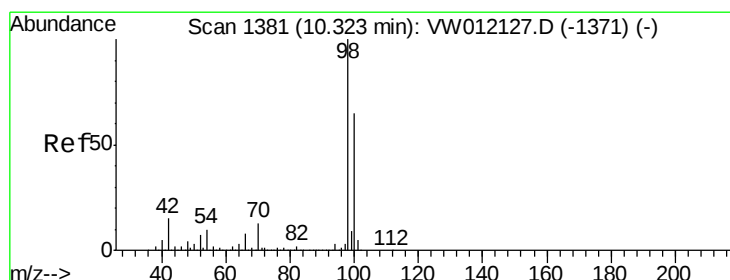
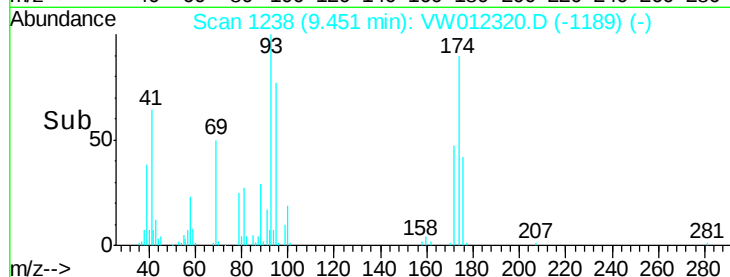
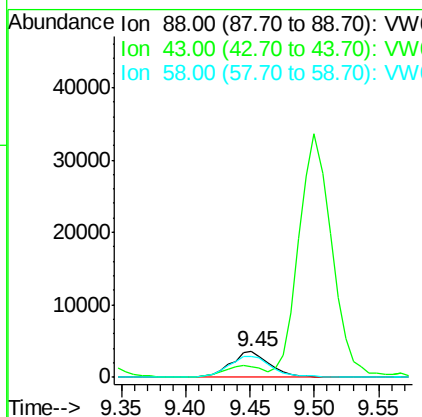
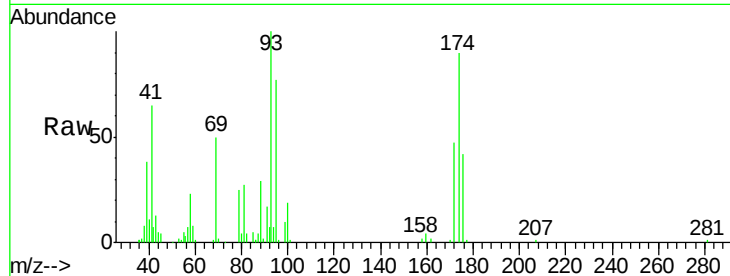
#49
1,4-Dioxane
Concen: 426.868 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	88	Resp	7604
Ion	Ratio	Lower	Upper
88	100		
43	43.1	32.9	49.3
58	91.9	71.0	106.4

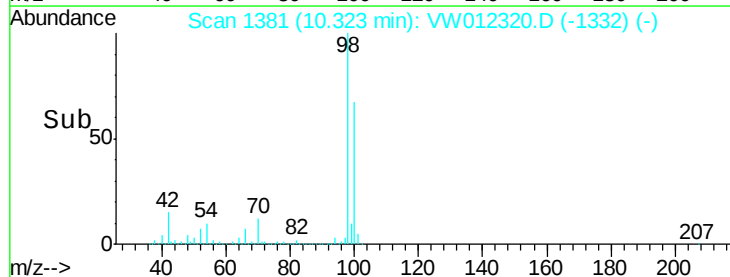
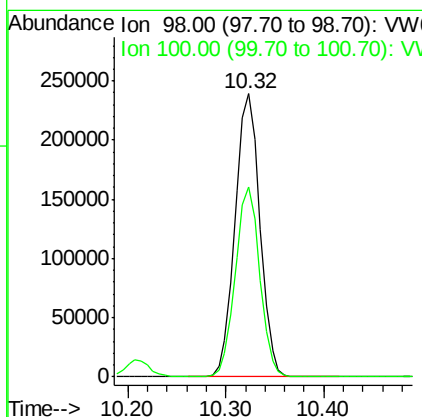
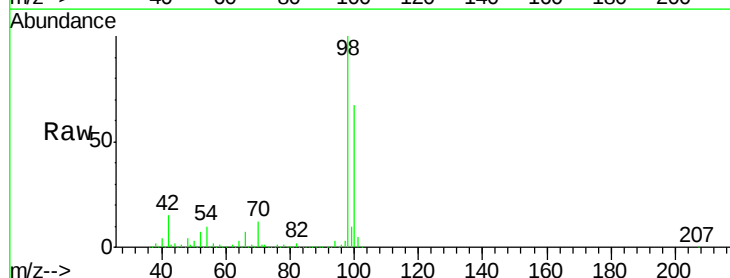
Manual Integrations
APPROVED

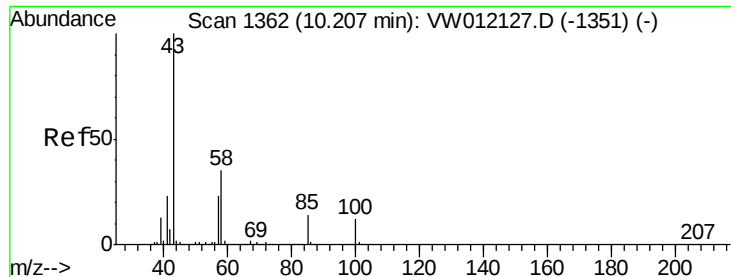
MMDadoda
8/30/2019 11:41:39 AM



#50
Toluene-d8
Concen: 50.613 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	98	Resp	421857
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 110.821 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 43 Resp: 203613

Ion Ratio Lower Upper

43 100

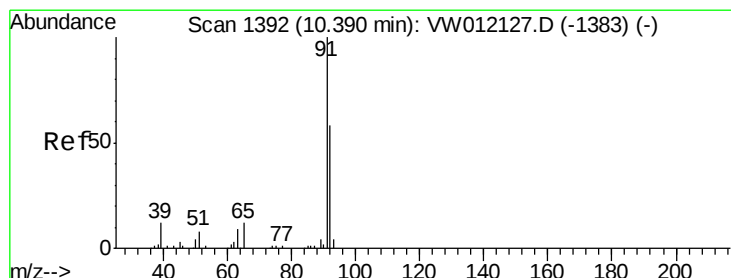
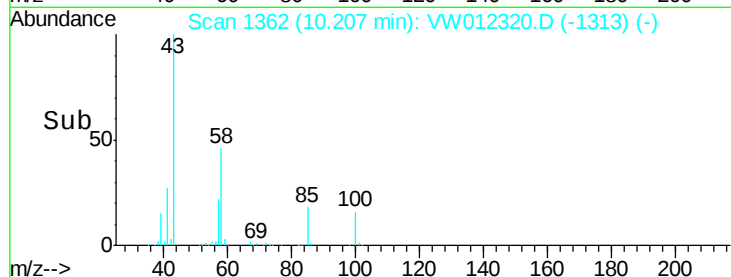
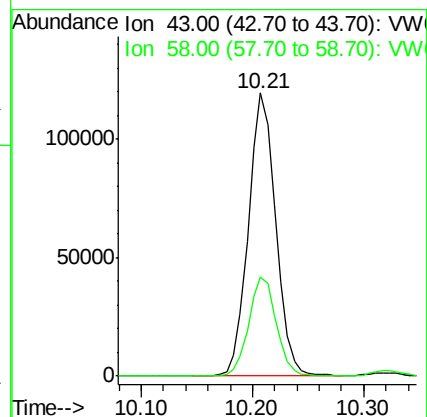
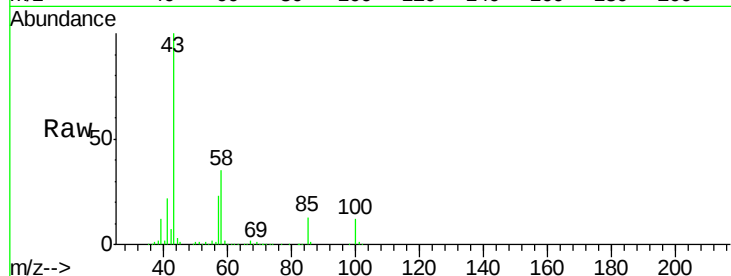
58 35.3 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



#52

Toluene

Concen: 20.870 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012320.D

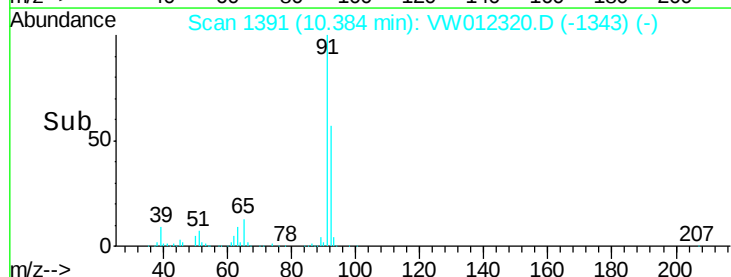
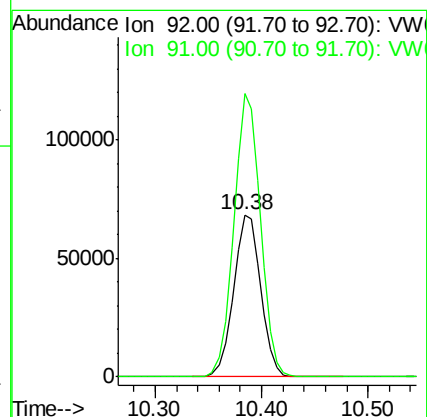
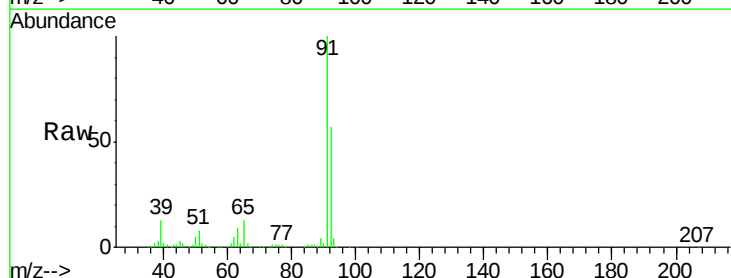
Acq: 29 Aug 2019 23:48

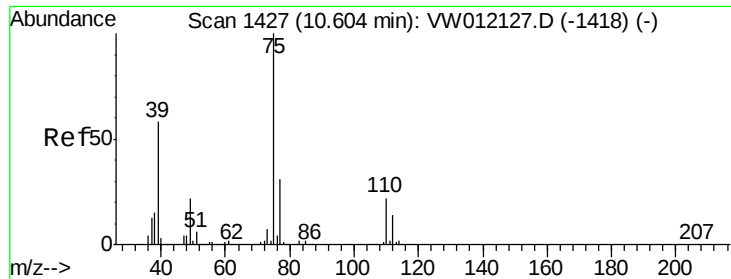
Tgt Ion: 92 Resp: 121833

Ion Ratio Lower Upper

92 100

91 171.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.493 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 75 Resp: 64647

Ion Ratio Lower Upper

75 100

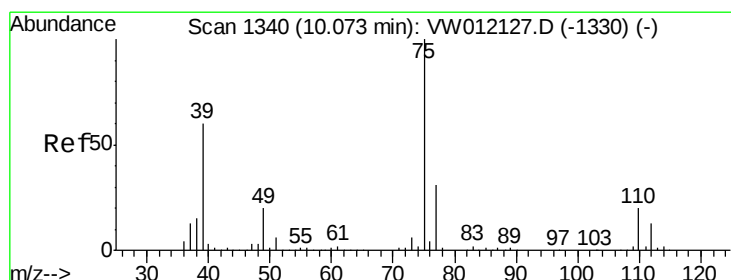
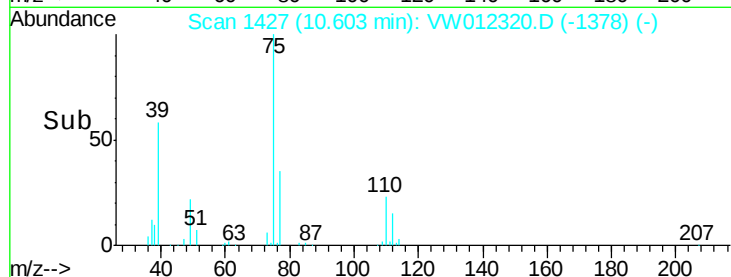
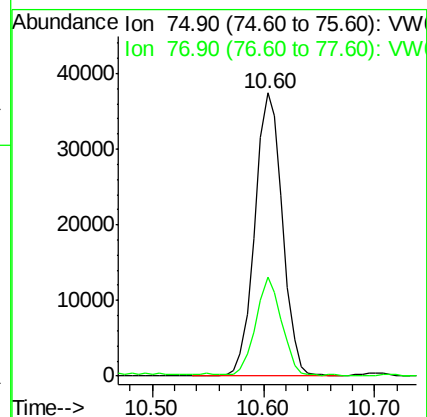
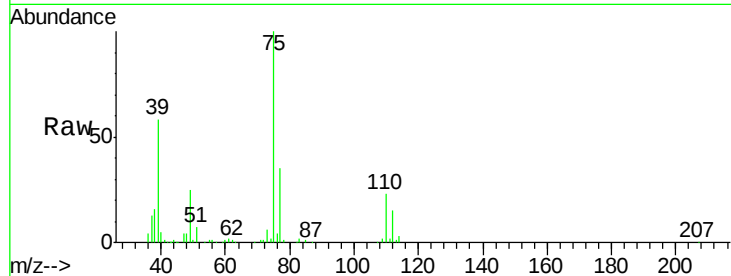
77 34.7 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



#54

cis-1,3-Dichloropropene

Concen: 20.758 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

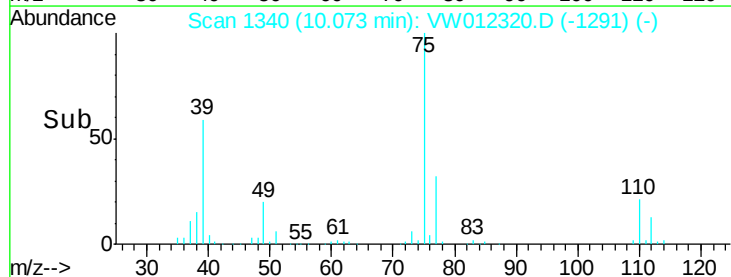
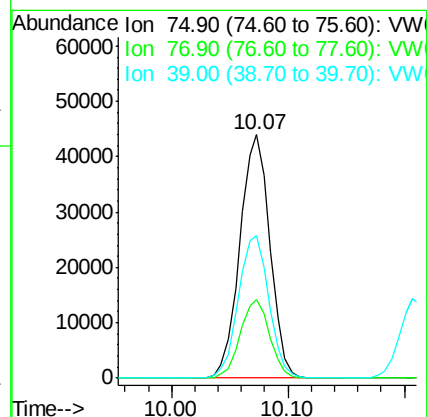
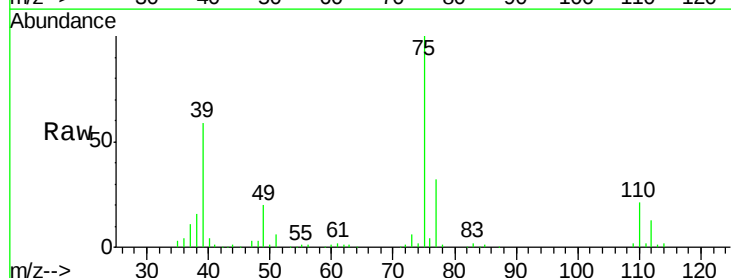
Tgt Ion: 75 Resp: 79065

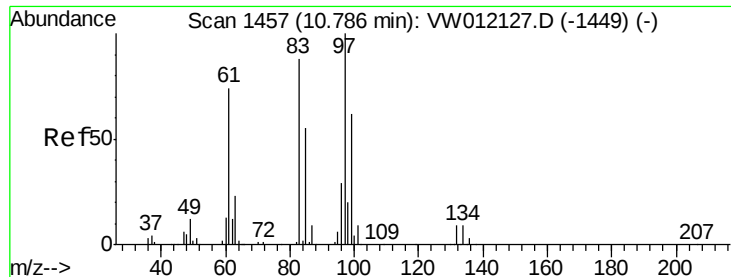
Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

39 58.6 48.3 72.5





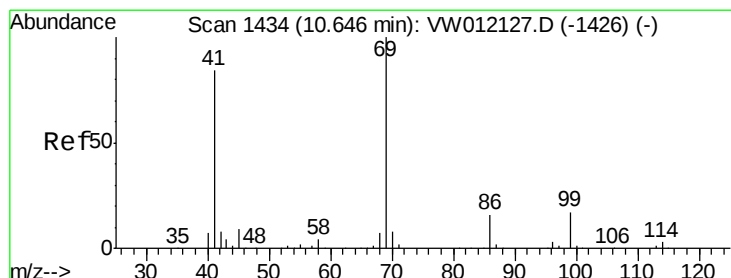
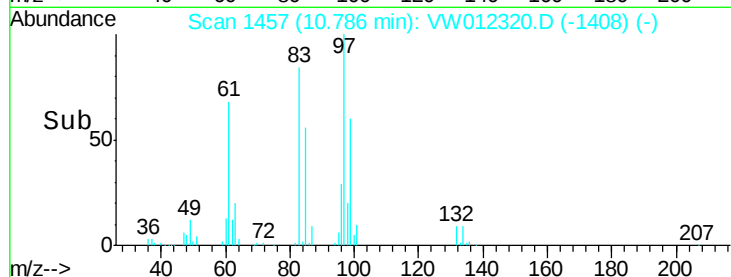
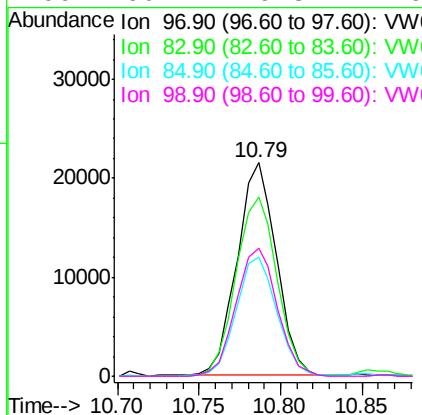
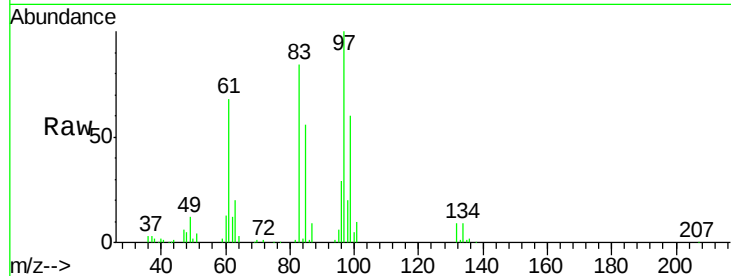
#55
 1,1,2-Trichloroethane
 Concen: 21.861 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion:	97	Resp:	35991
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.8	106.2
85	55.5	43.8	65.8
99	60.2	49.8	74.6

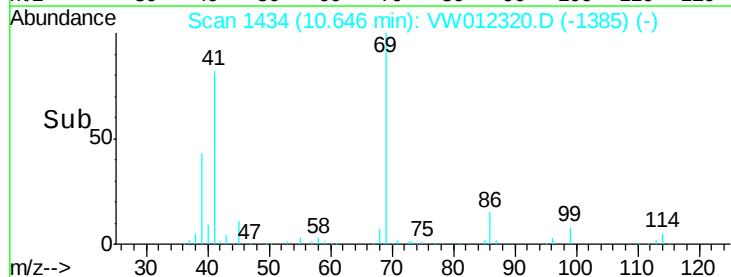
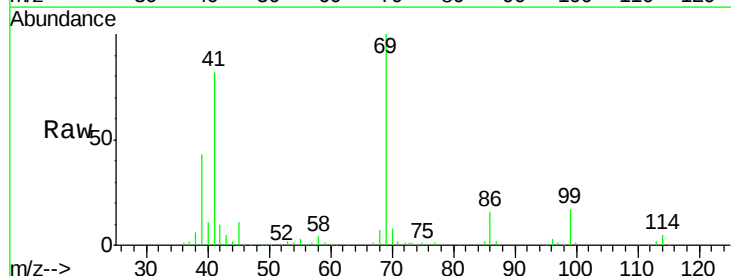
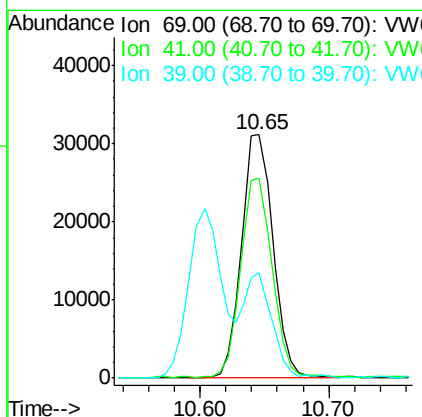
Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:39 AM



#56
 Ethyl methacrylate
 Concen: 22.053 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion:	69	Resp:	52841
Ion	Ratio	Lower	Upper
69	100		
41	81.1	66.5	99.7
39	37.6	31.0	46.4





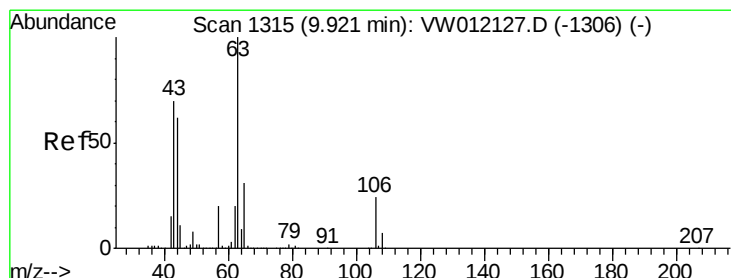
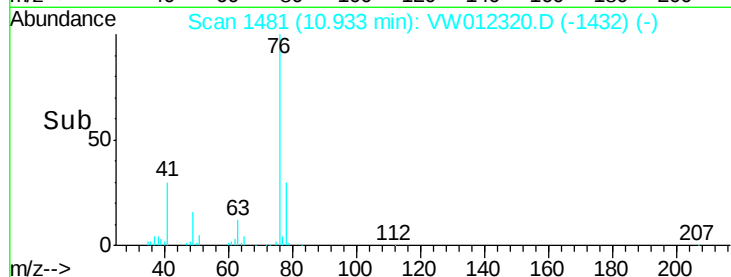
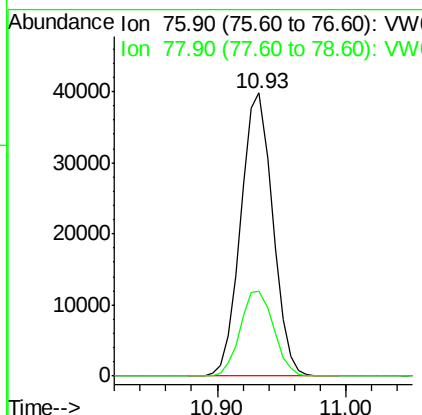
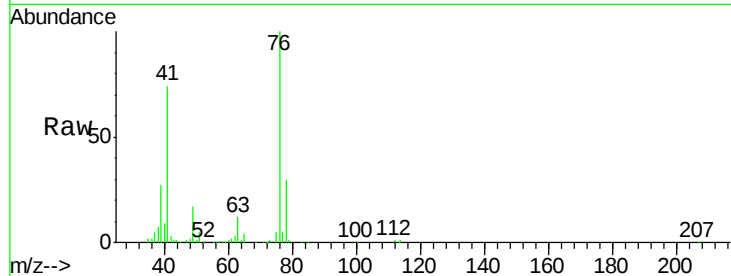
#57
 1,3-Dichloropropane
 Concen: 21.987 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion: 76 Resp: 68404
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8

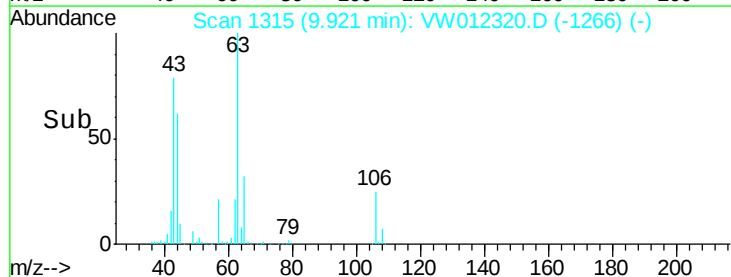
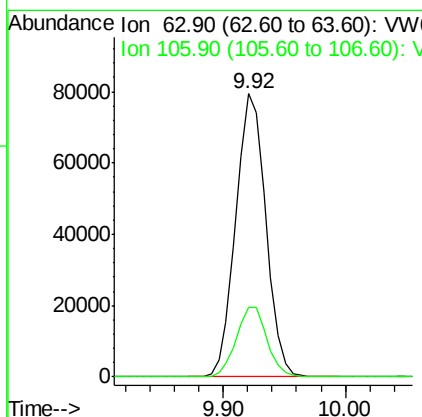
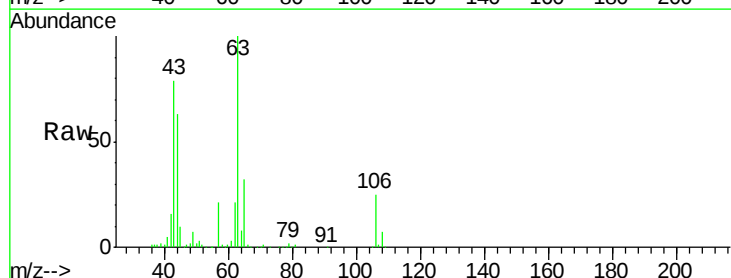
Manual Integrations
 APPROVED

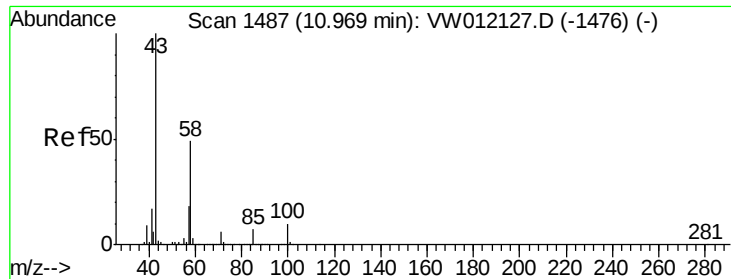
MMDadoda
 8/30/2019 11:41:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.204 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion: 63 Resp: 135522
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





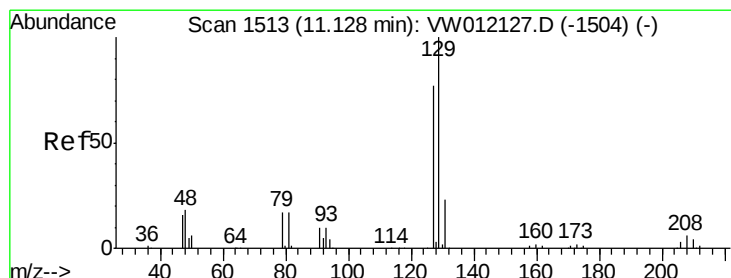
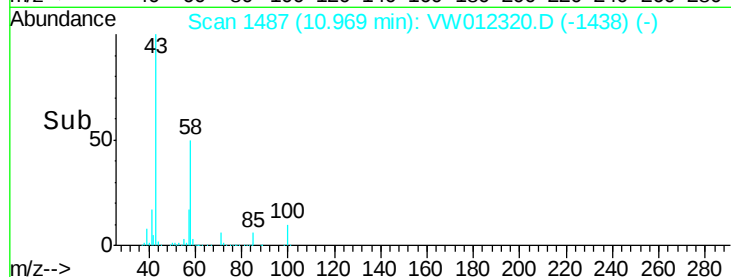
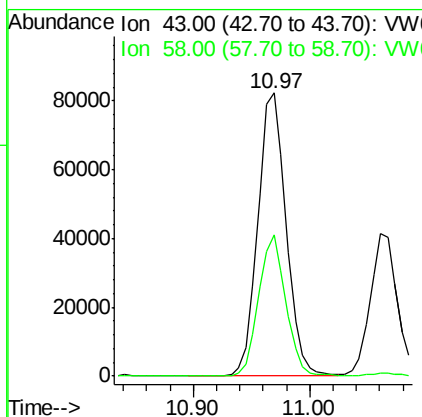
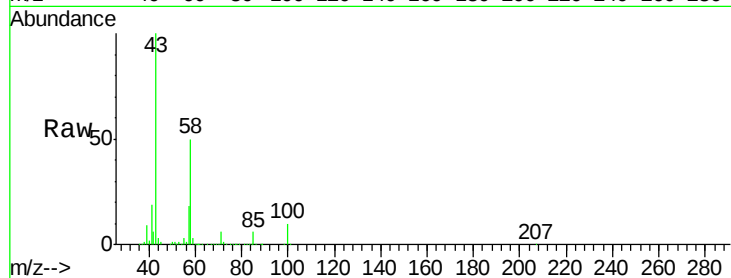
#59
2-Hexanone
Concen: 106.880 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion: 43 Resp: 138946
Ion Ratio Lower Upper
43 100
58 47.8 24.3 72.9

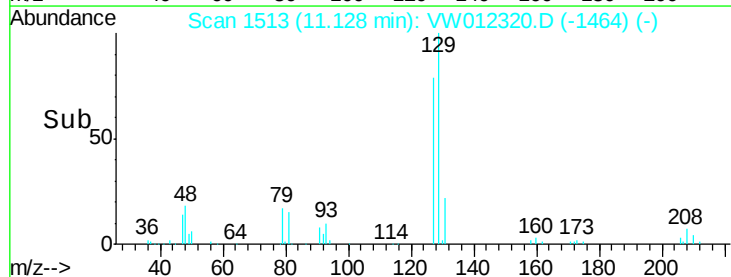
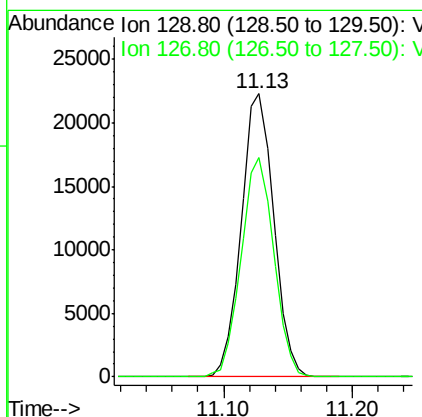
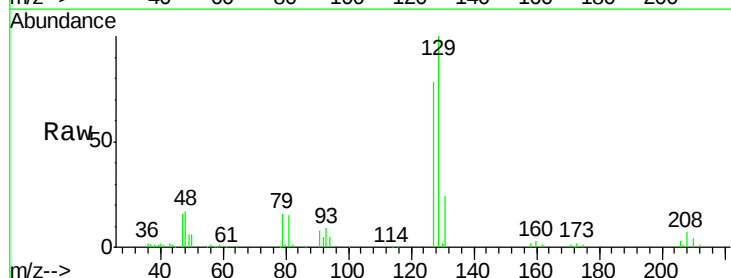
Manual Integrations
APPROVED

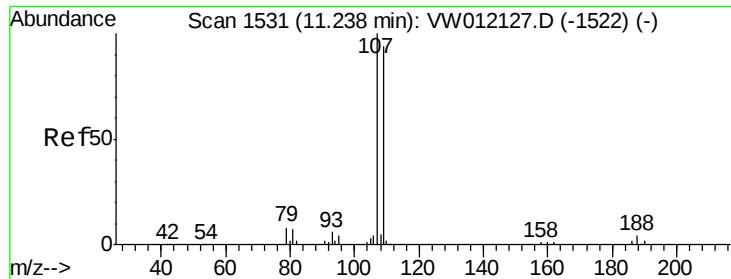
MMDadoda
8/30/2019 11:41:39 AM



#60
Dibromochloromethane
Concen: 21.202 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion: 129 Resp: 38880
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





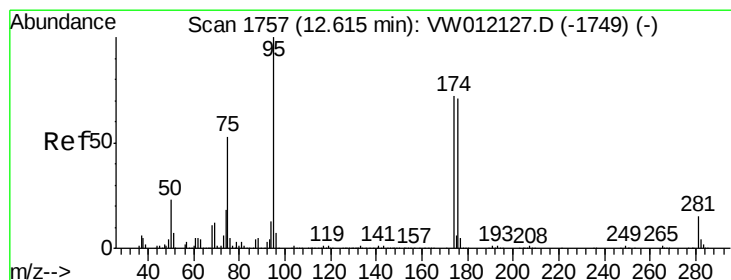
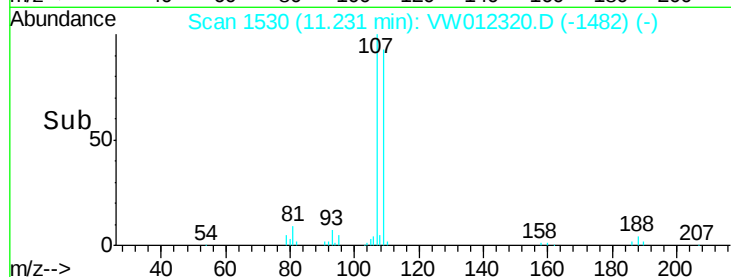
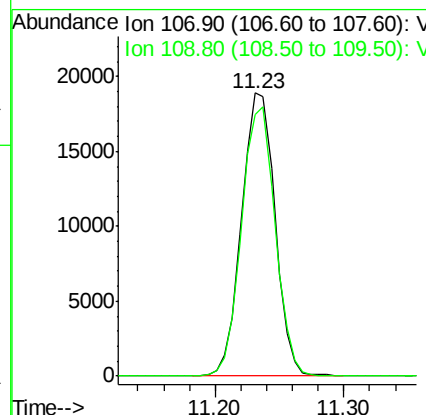
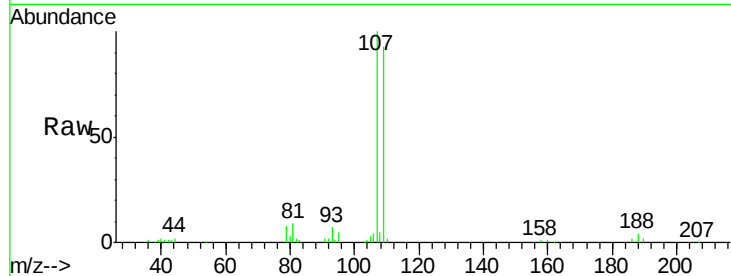
#61
 1,2-Dibromoethane
 Concen: 22.103 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.4	113.2

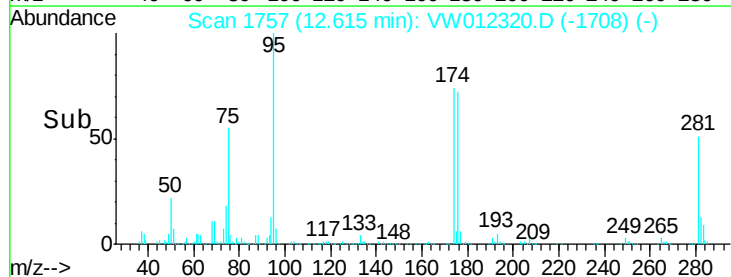
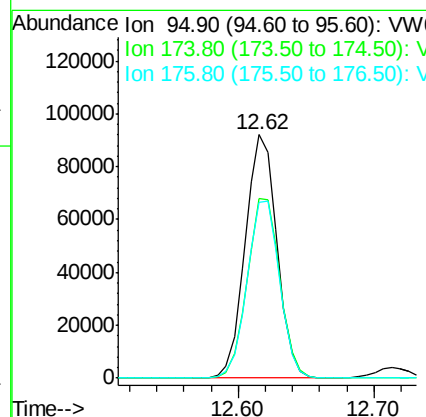
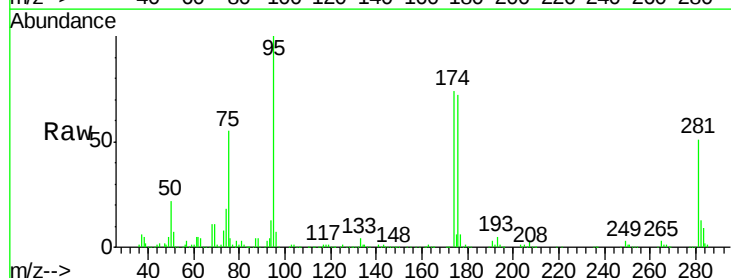
Manual Integrations
 APPROVED

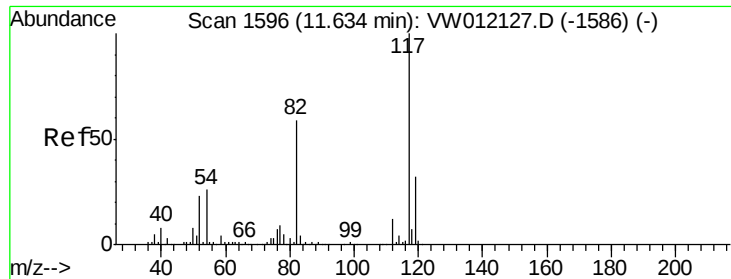
MMDadoda
 8/30/2019 11:41:39 AM



#62
 4-Bromofluorobenzene
 Concen: 51.041 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.8
176	75.0	0.0	148.6





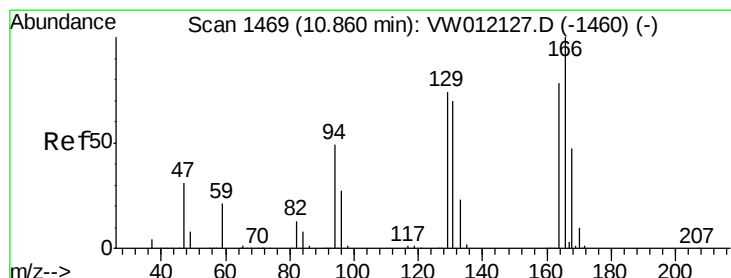
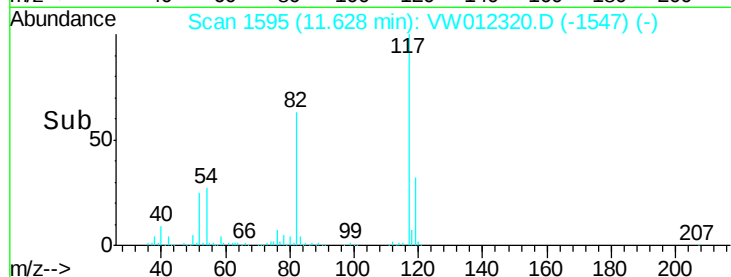
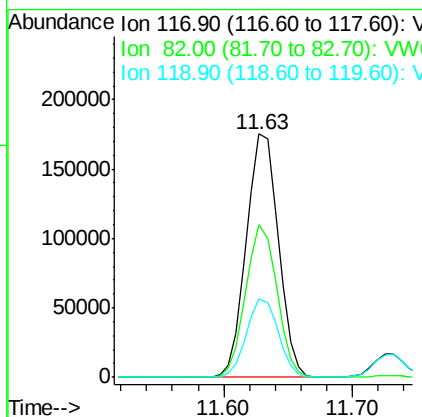
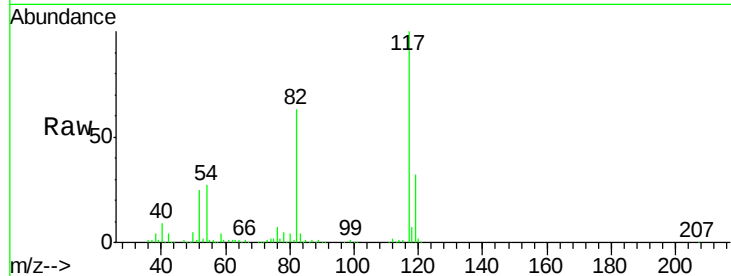
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301648		
82	62.6		47.4	71.2
119	32.0		25.4	38.2

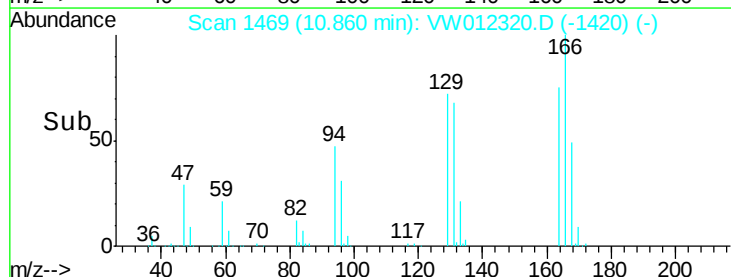
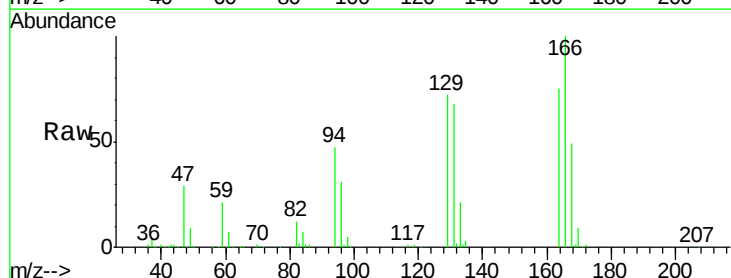
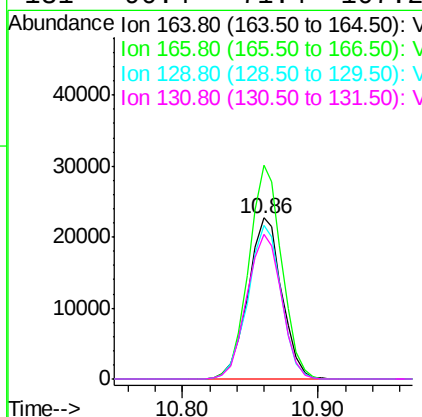
Manual Integrations
APPROVED

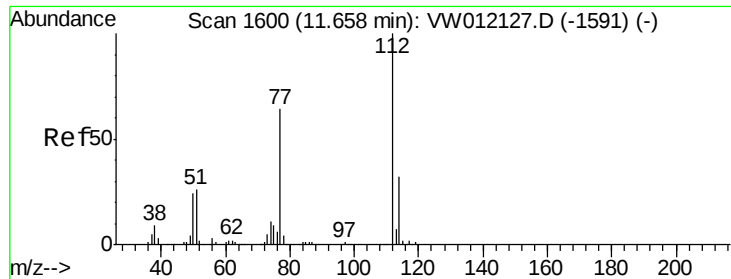
MMDadoda
8/30/2019 11:41:39 AM



#64
Tetrachloroethene
Concen: 20.215 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39533		
166	132.9		102.4	153.6
129	95.8		75.8	113.6
131	90.4		71.4	107.2





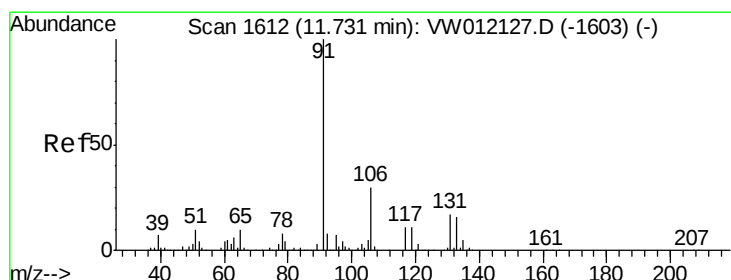
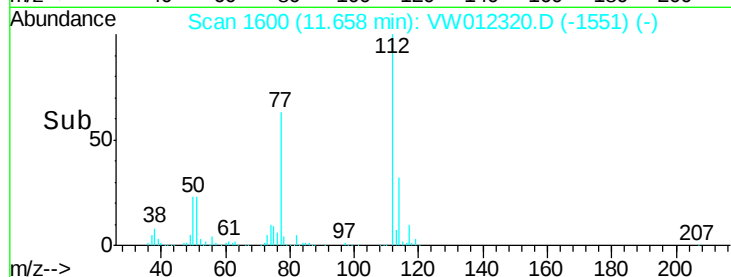
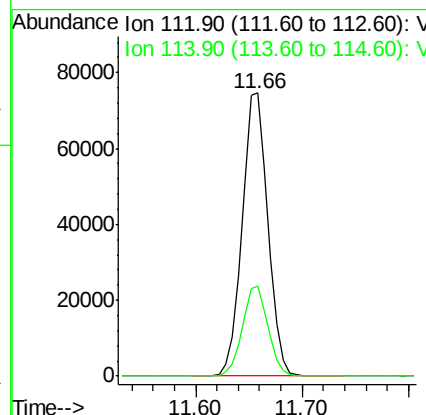
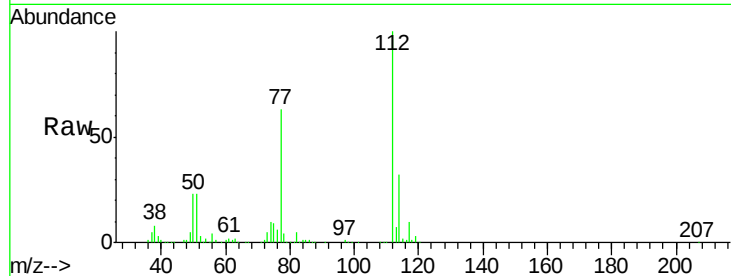
#65
Chlorobenzene
Concen: 21.288 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

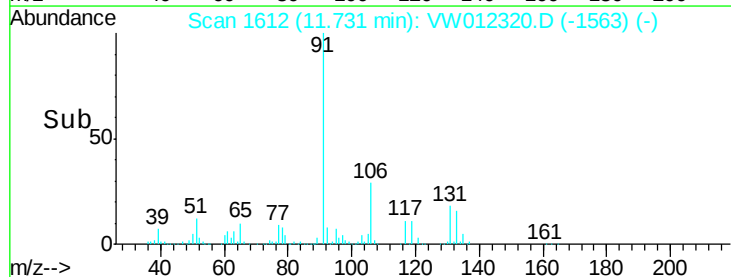
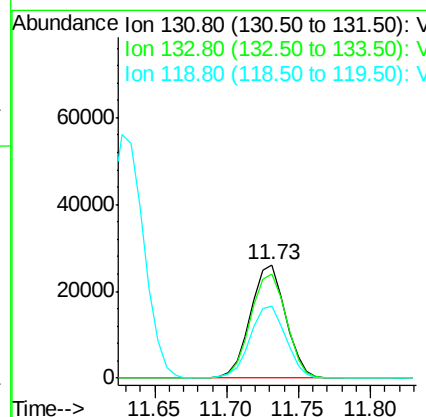
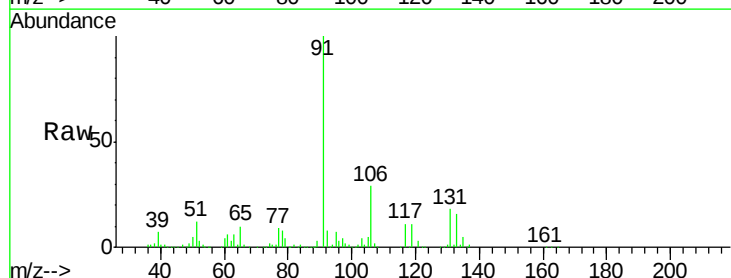
Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.273 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.1	141.3
119	64.4	31.8	95.3





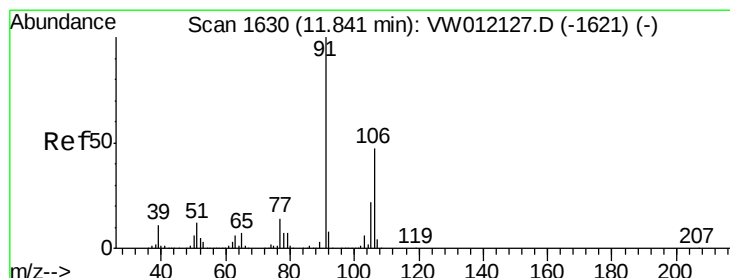
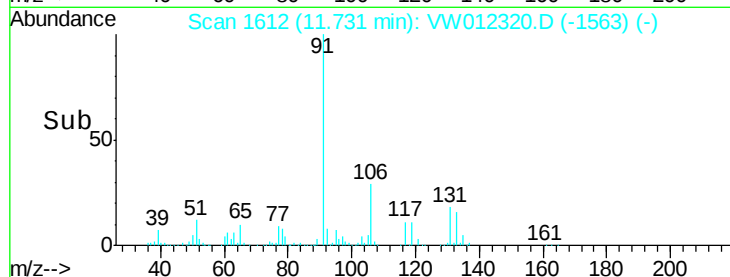
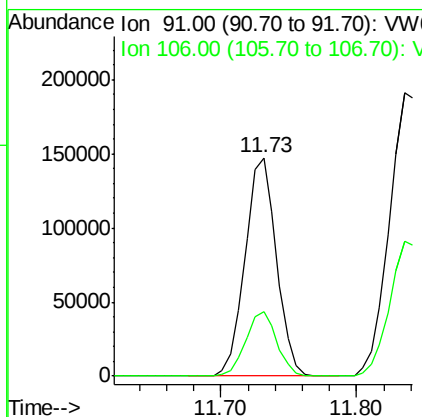
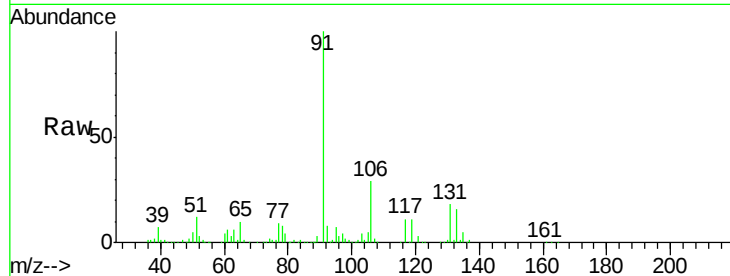
#67
Ethyl Benzene
Concen: 20.782 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.3	36.5

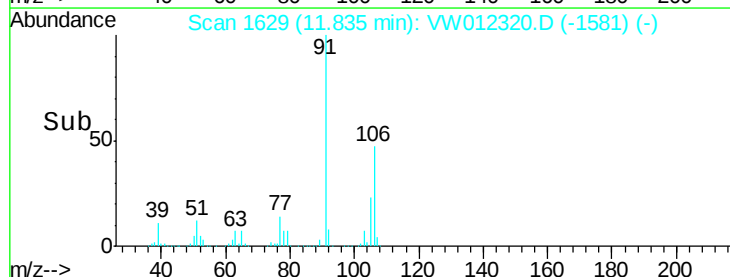
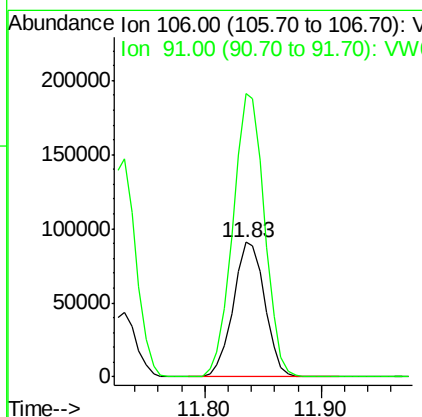
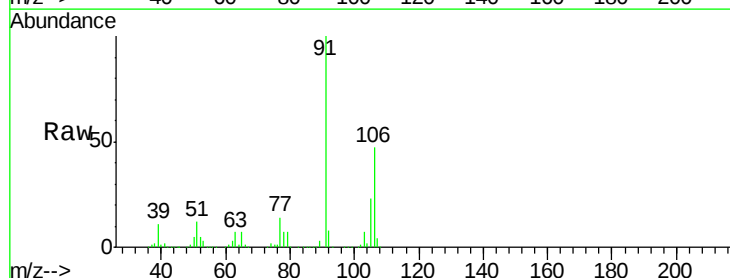
Manual Integrations
APPROVED

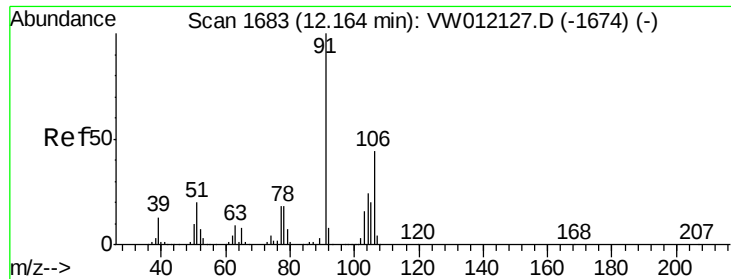
MMDadoda
8/30/2019 11:41:39 AM



#68
m/p-Xylenes
Concen: 41.543 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.9	169.5	254.3





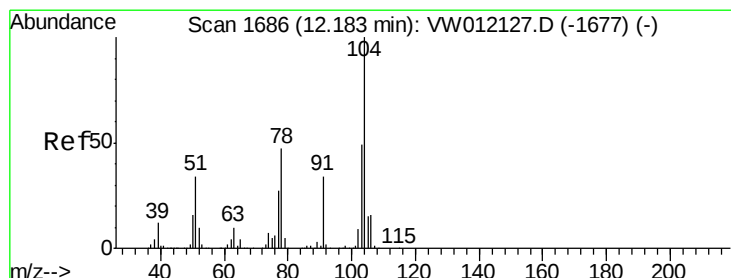
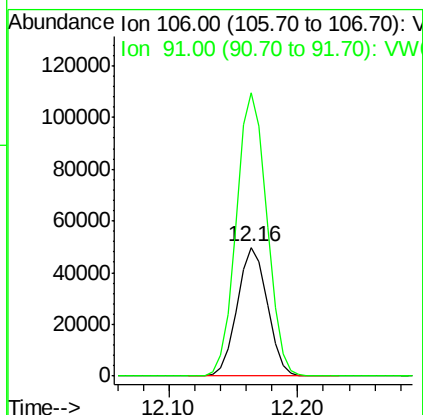
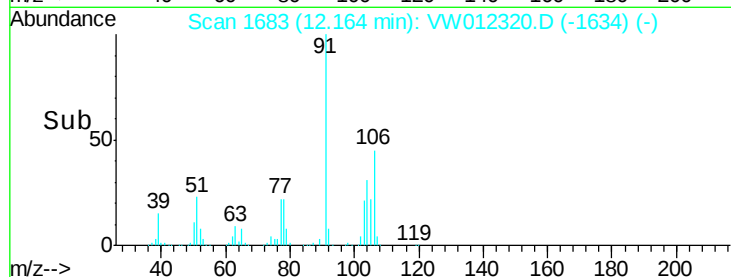
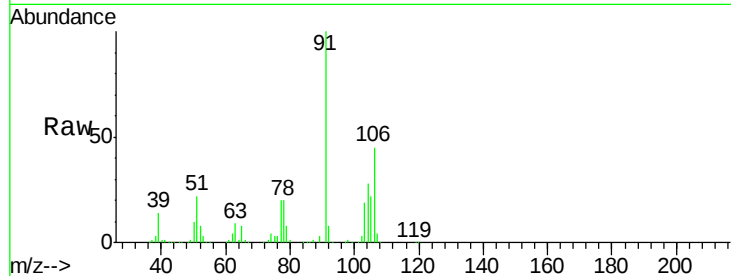
#69
o-Xylene
Concen: 21.075 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion:106 Resp: 80392
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6

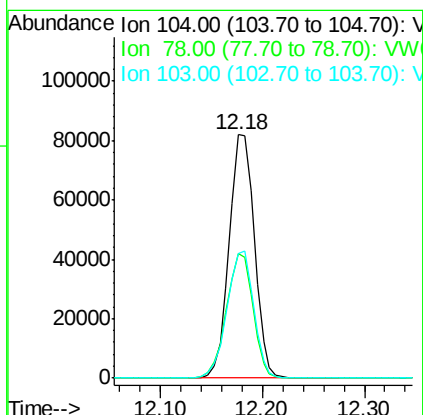
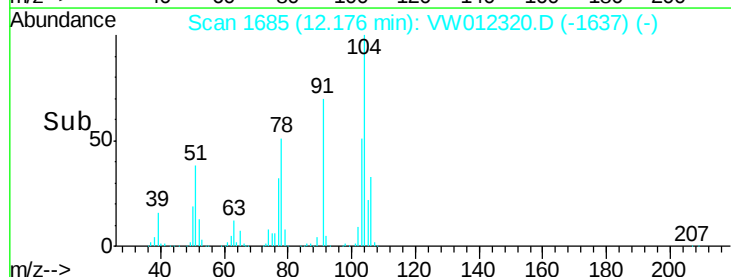
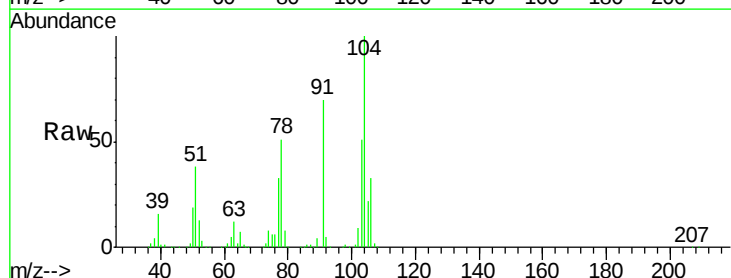
Manual Integrations
APPROVED

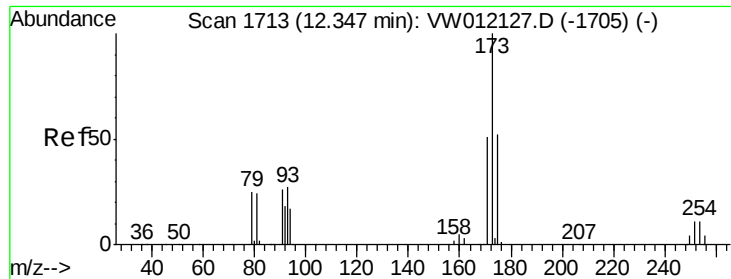
MMDadoda
8/30/2019 11:41:39 AM



#70
Styrene
Concen: 21.165 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion:104 Resp: 139743
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 55.2 43.5 65.3





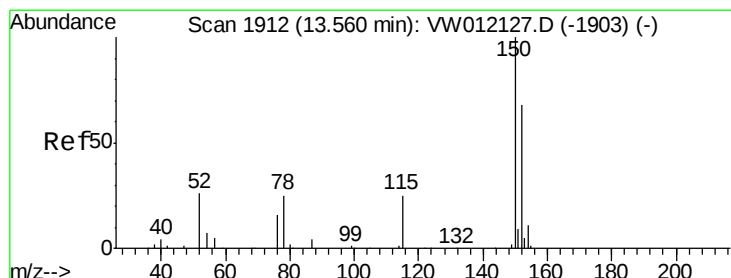
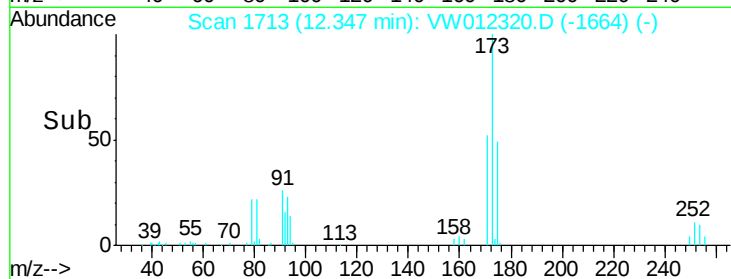
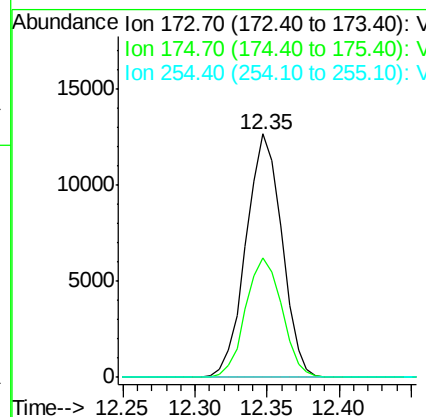
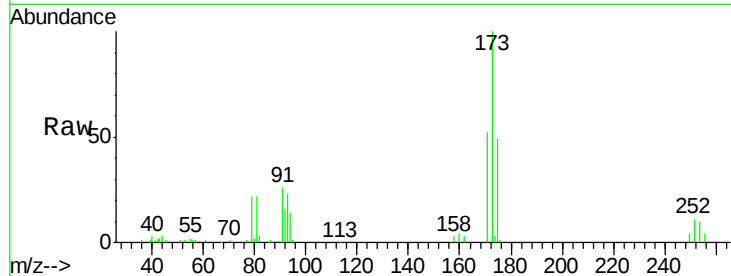
#71
Bromoform
Concen: 21.194 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

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

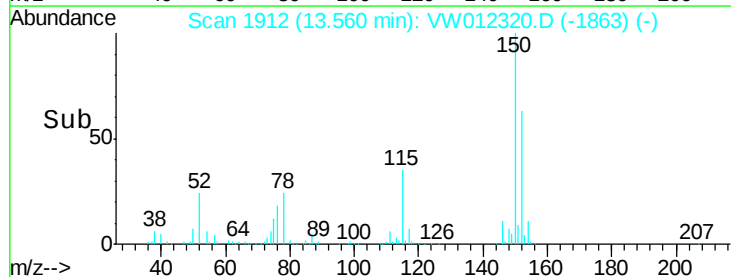
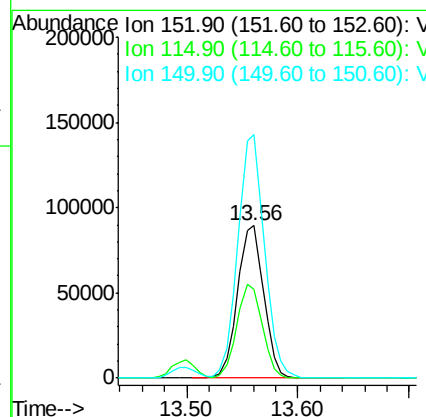
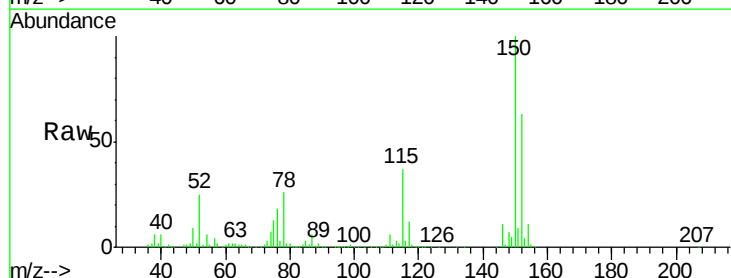
Manual Integrations
APPROVED

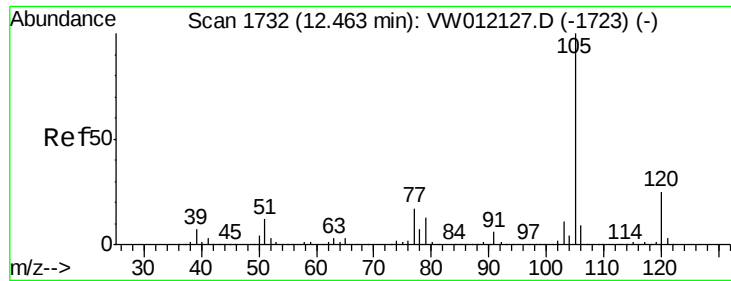
MMDadoda
8/30/2019 11:41:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.3
150	163.6	0.0	345.8





#73

Isopropylbenzene

Concen: 20.738 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion:105 Resp: 225972

Ion Ratio Lower Upper

105 100

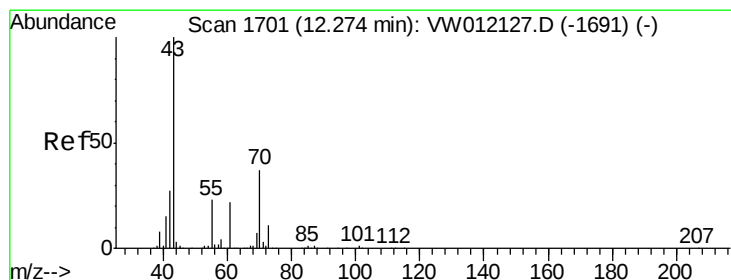
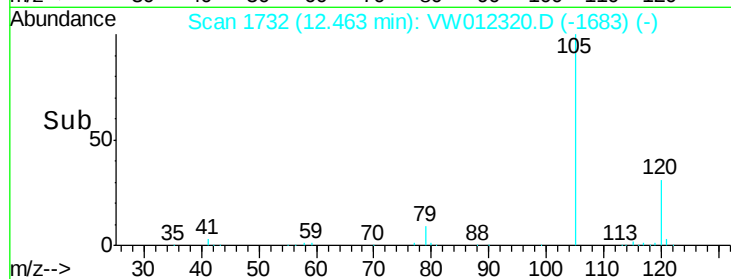
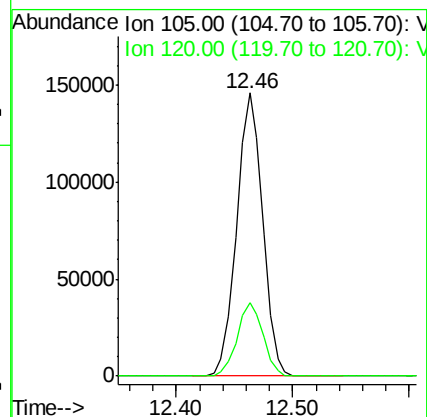
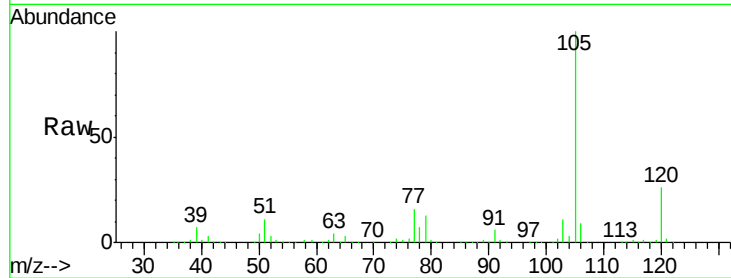
120 25.7 12.5 37.5

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:39 AM



#74

N-ethyl acetate

Concen: 21.570 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion: 43 Resp: 71011

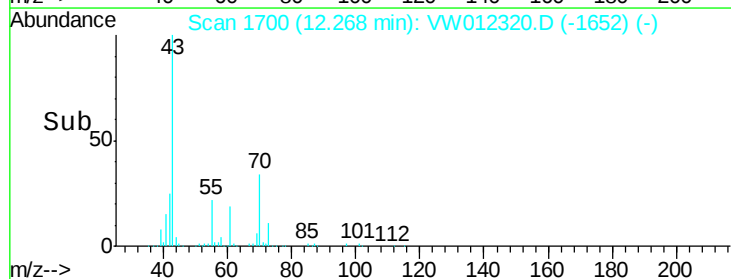
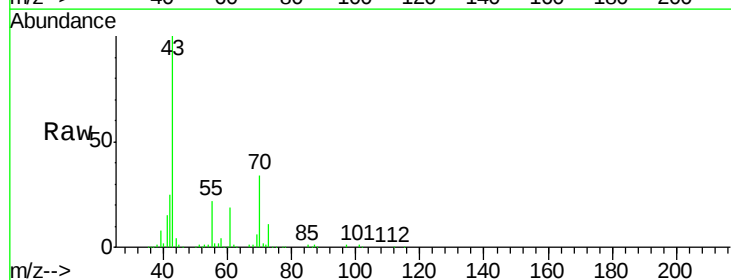
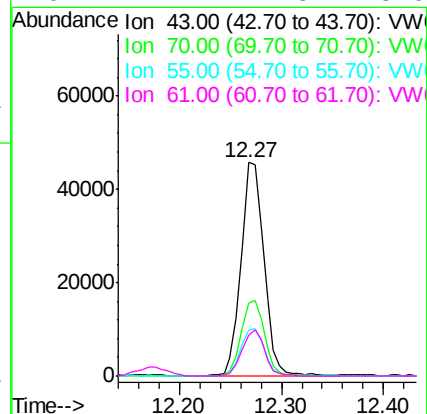
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 23.1 17.8 26.6

61 21.2 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.523 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

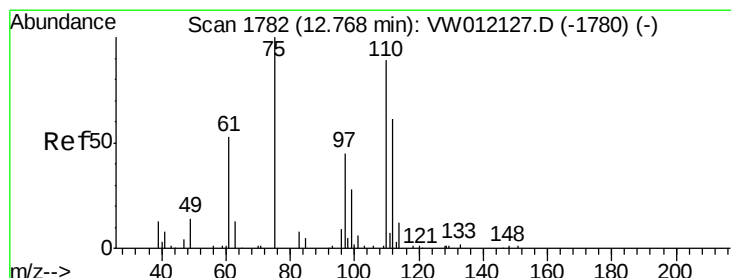
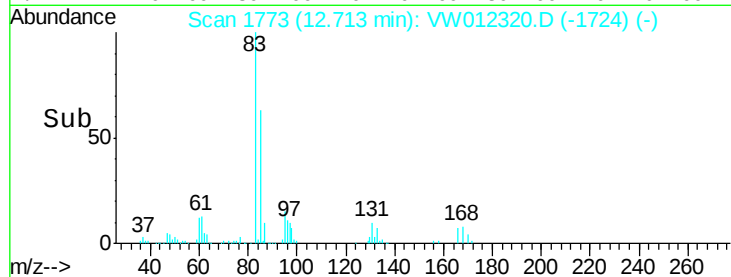
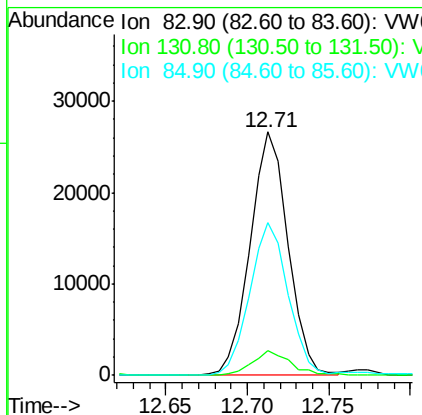
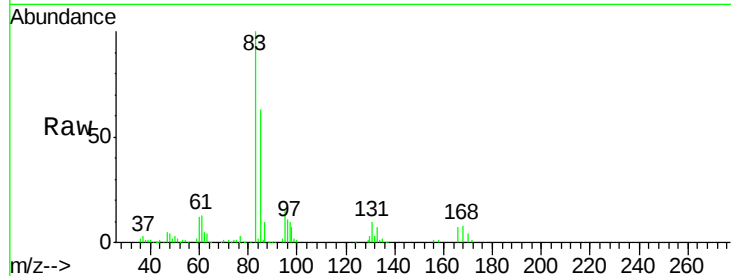
ClientSampleId :

VW0829SBS02

Tot Ion:	83	Resp:	42995
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.3	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#76

1,2,3-Trichloropropane

Concen: 20.623 ug/l m

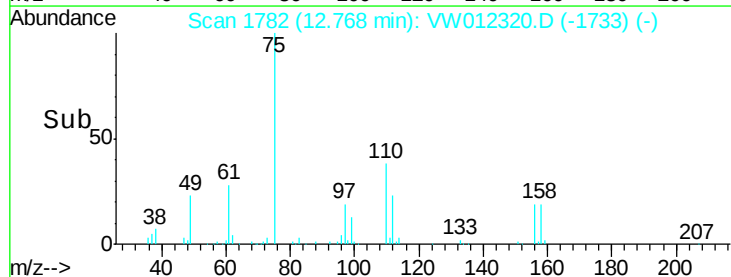
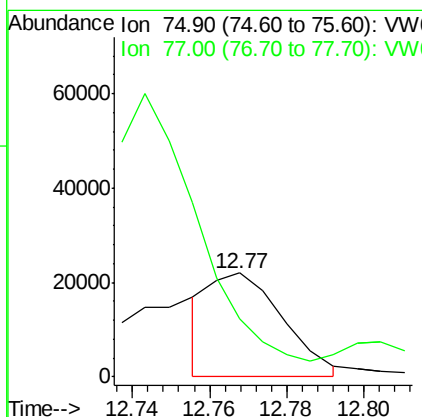
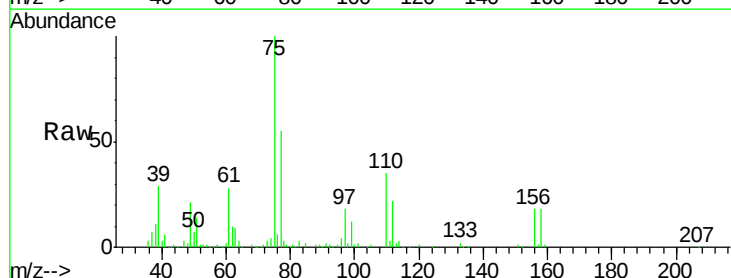
RT: 12.77 min Scan# 1782

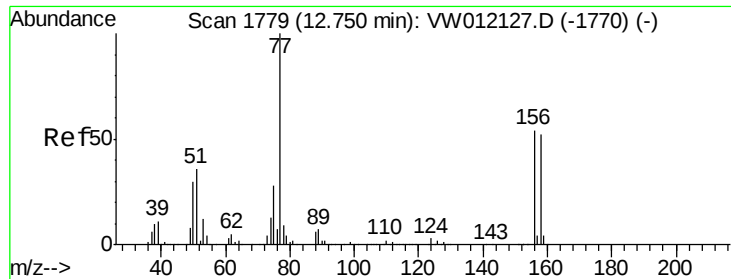
Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion:	75	Resp:	29208
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.538 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

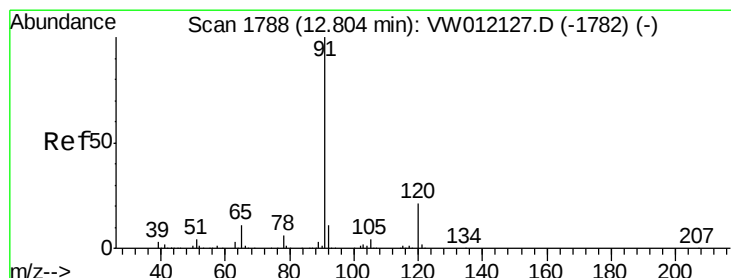
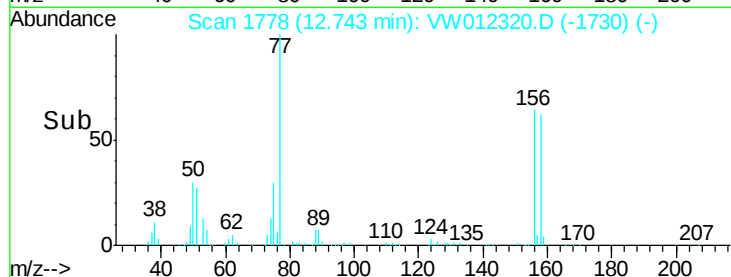
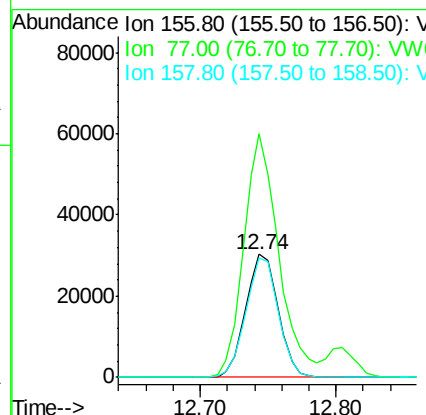
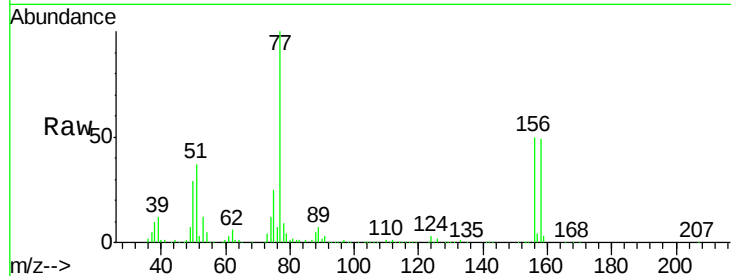
ClientSampleId :

VW0829SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	211.3	107.3	321.8
158	96.7	49.0	147.0

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#78

n-propylbenzene

Concen: 20.408 ug/l

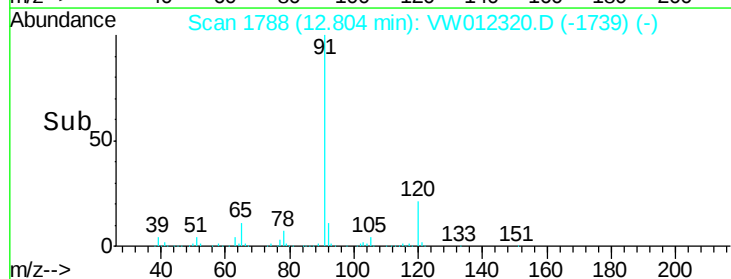
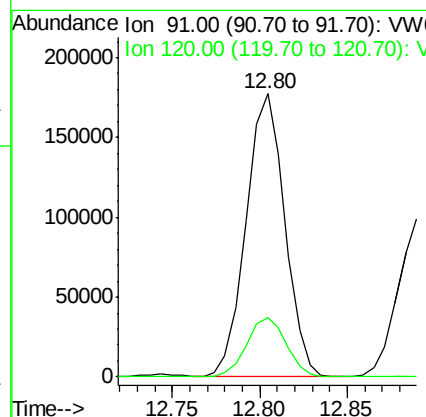
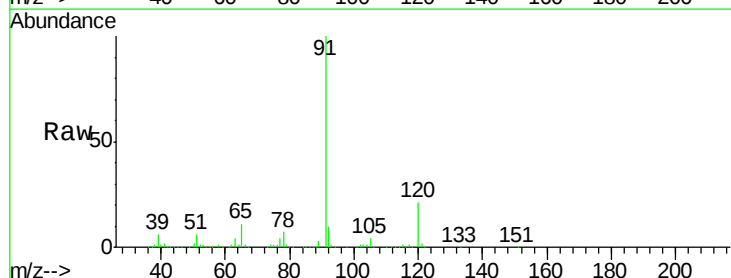
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





#79

2-Chlorotoluene

Concen: 20.944 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion: 91 Resp: 158176

Ion Ratio Lower Upper

91 100

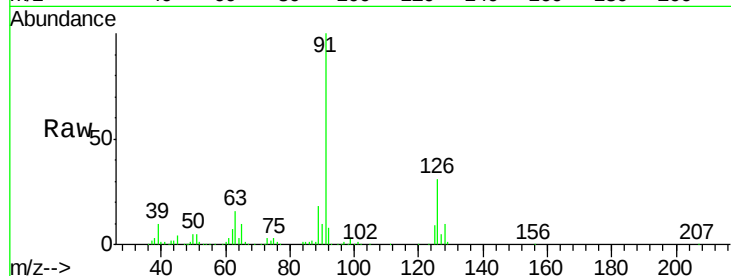
126 31.4 15.7 47.0

Manual Integrations

APPROVED

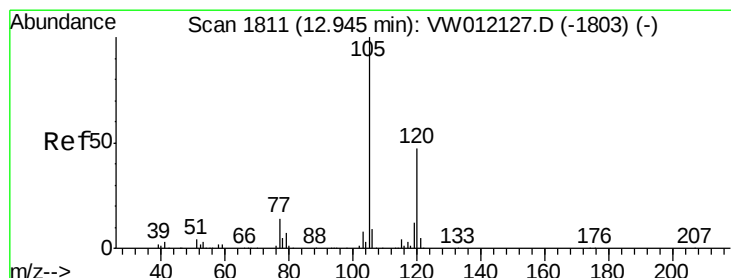
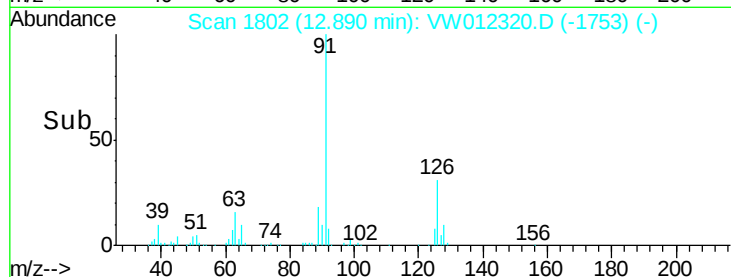
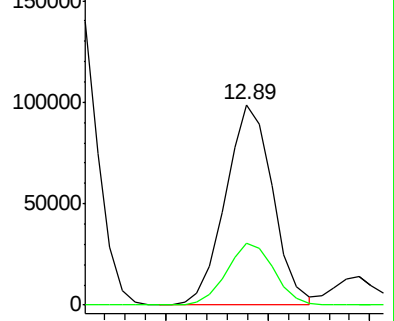
MMDadoda

8/30/2019 11:41:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.932 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012320.D

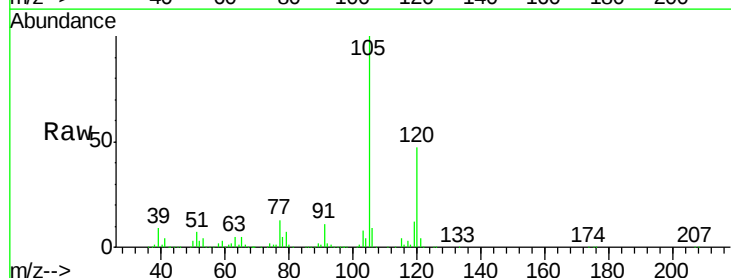
Acq: 29 Aug 2019 23:48

Tgt Ion:105 Resp: 190583

Ion Ratio Lower Upper

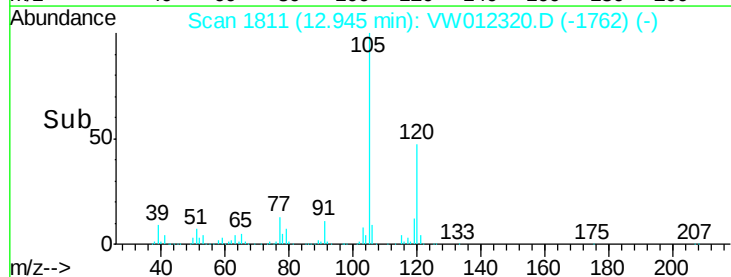
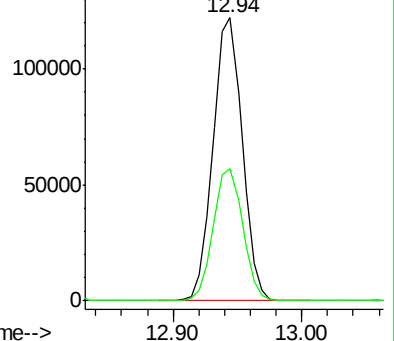
105 100

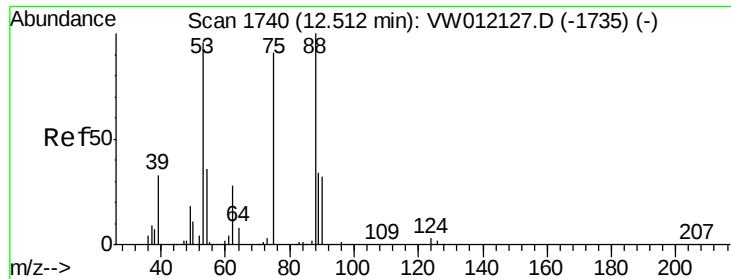
120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





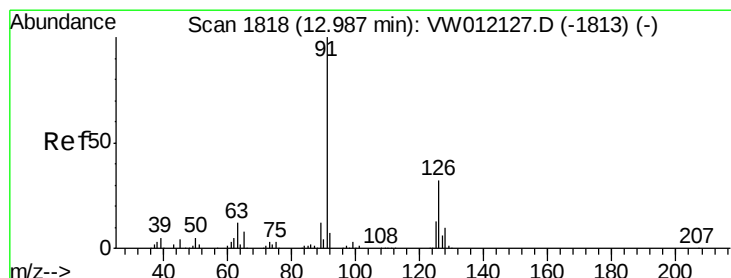
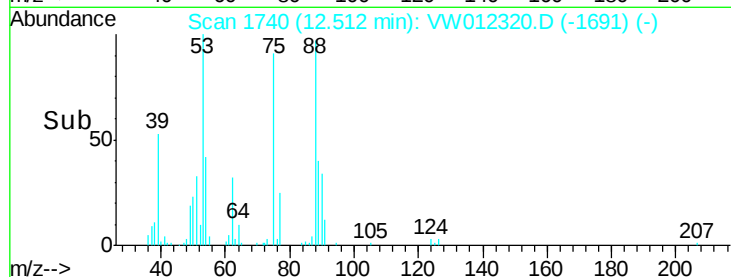
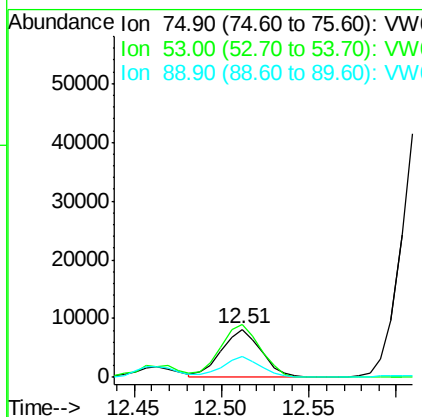
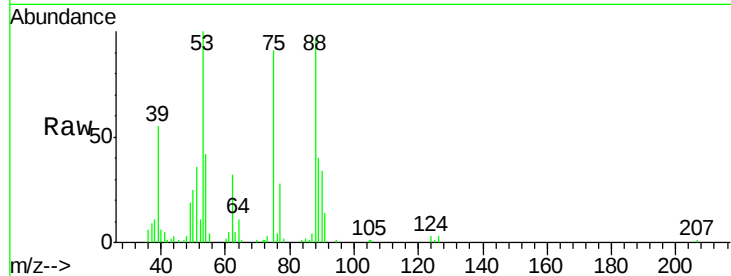
#81
trans-1,4-Dichloro-2-butene
Concen: 19.982 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	89.4	134.0
89	41.3	34.5	51.7

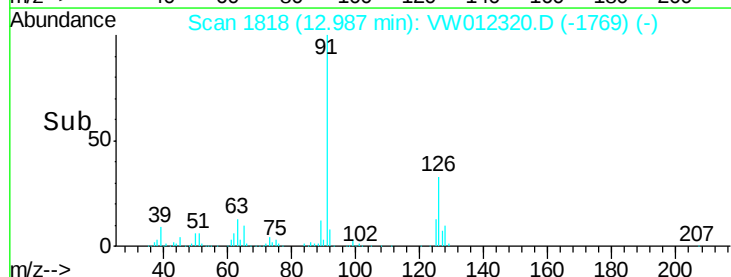
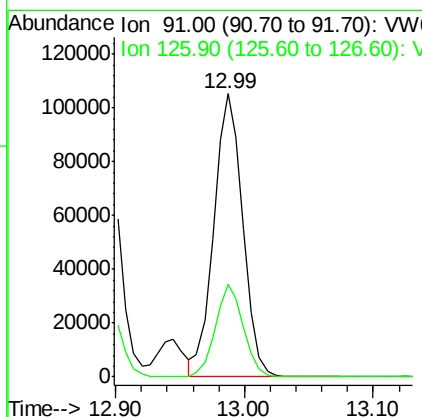
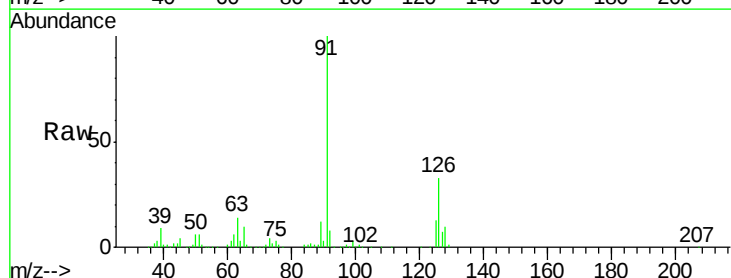
Manual Integrations
APPROVED

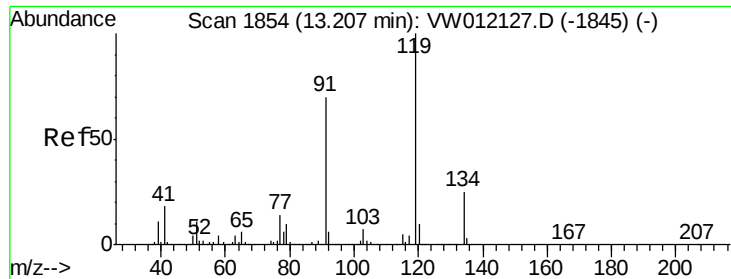
MMDadoda
8/30/2019 11:41:39 AM



#82
4-Chlorotoluene
Concen: 20.886 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





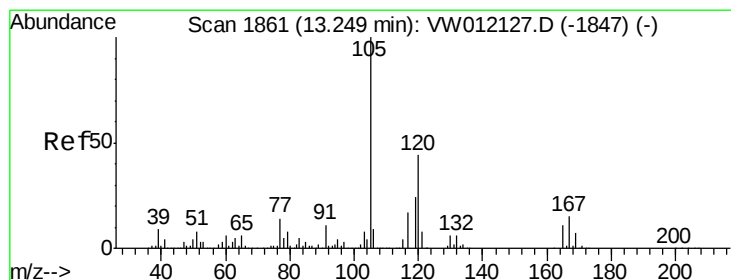
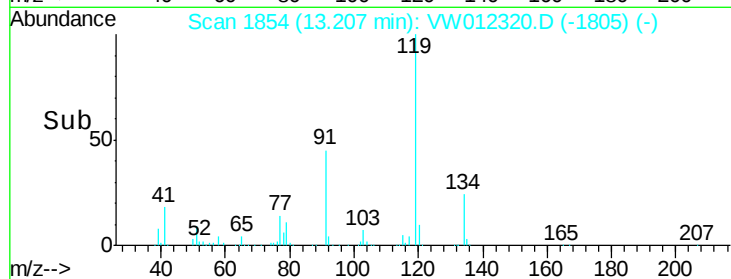
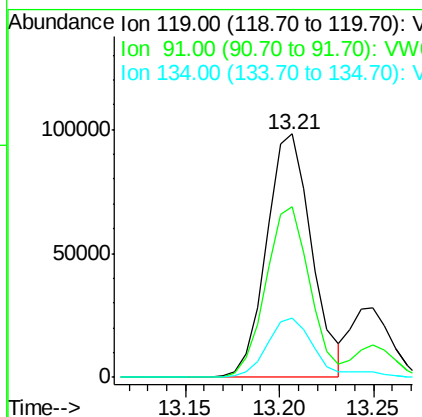
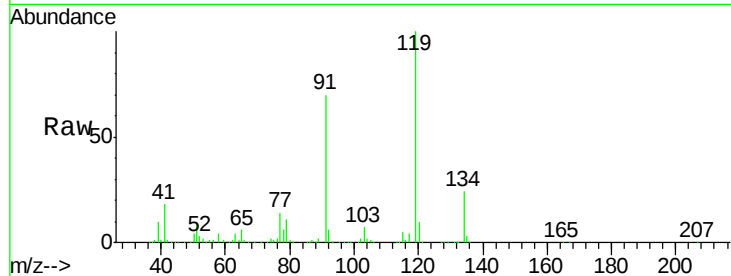
#83
tert-Butylbenzene
Concen: 21.208 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.8	104.3
134	26.1	13.3	39.8

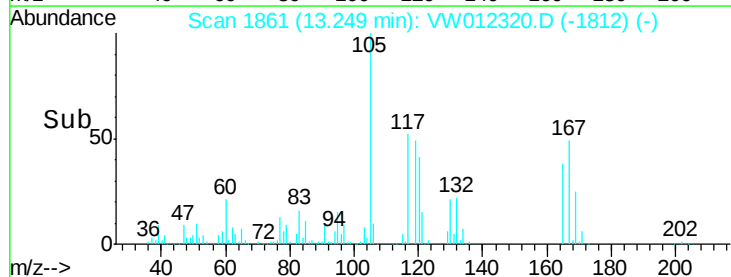
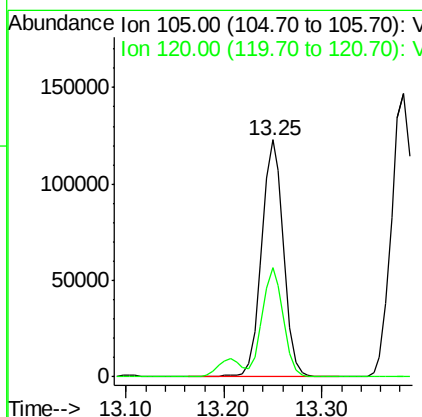
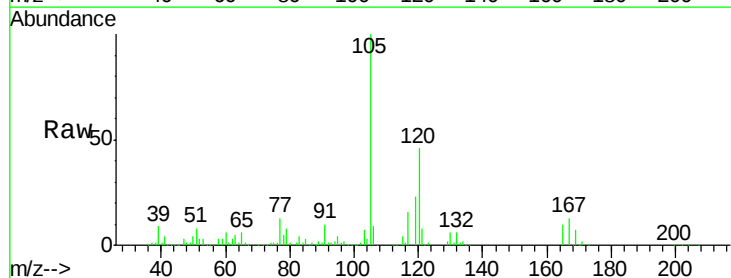
Manual Integrations
APPROVED

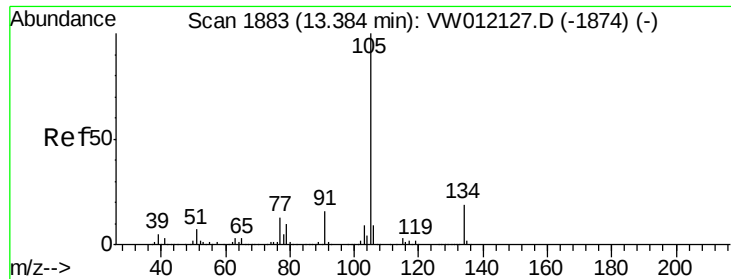
MMDadoda
8/30/2019 11:41:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.928 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 20.610 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

VW0829SBS02

Tot Ion:105 Resp: 227739

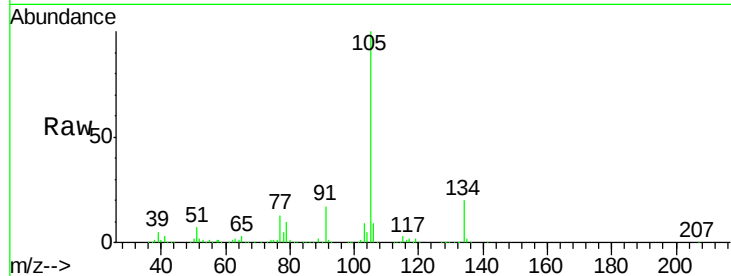
Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.4

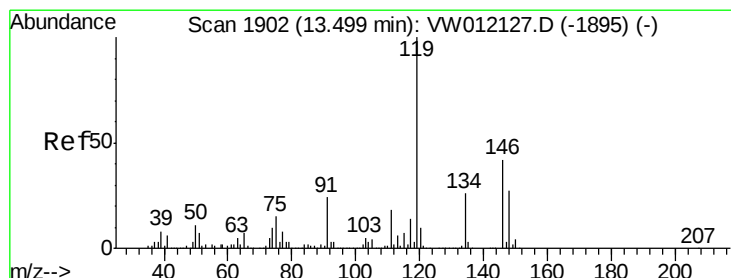
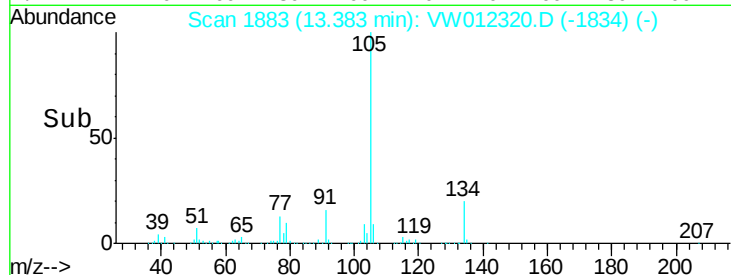
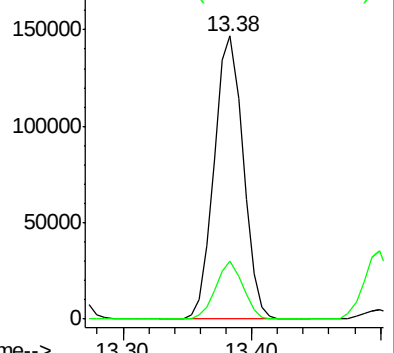
Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.790 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012320.D

Acq: 29 Aug 2019 23:48

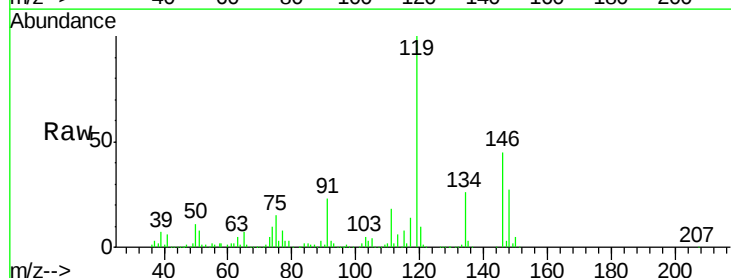
Tgt Ion:119 Resp: 205153

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

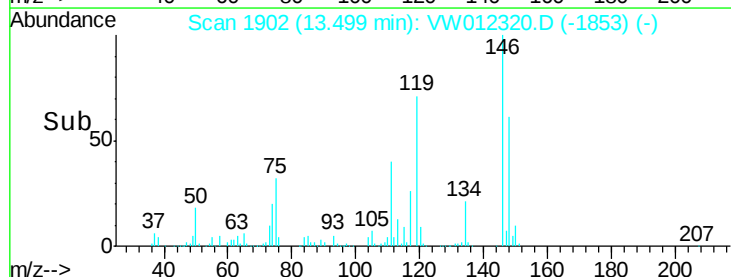
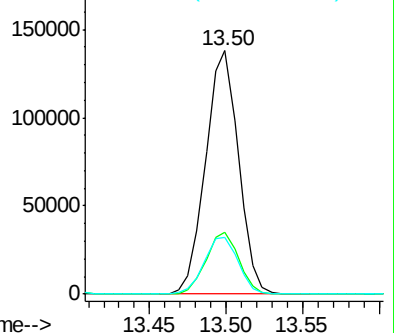
91 24.1 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





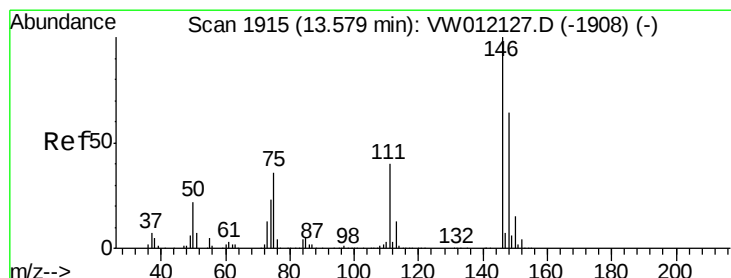
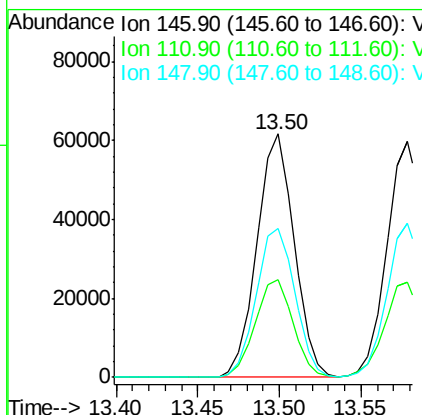
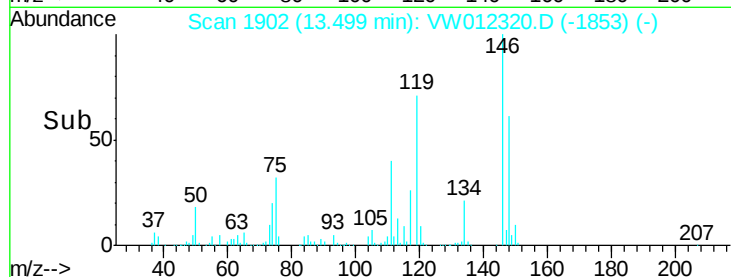
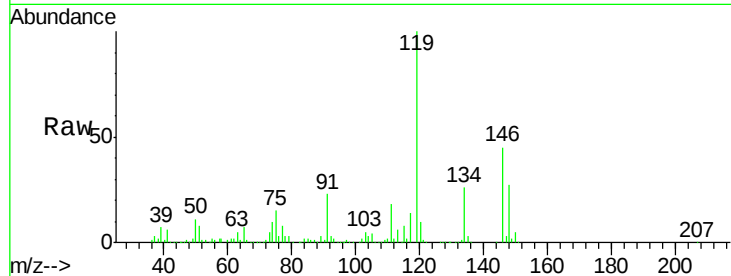
#87
 1,3-Dichlorobenzene
 Concen: 21.189 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.9	62.7
148	63.6	32.2	96.6

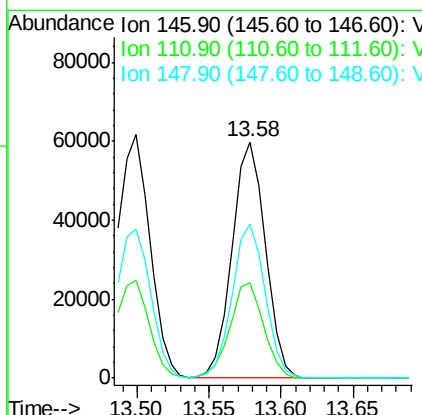
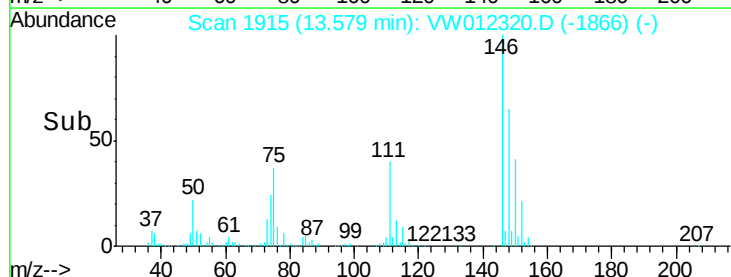
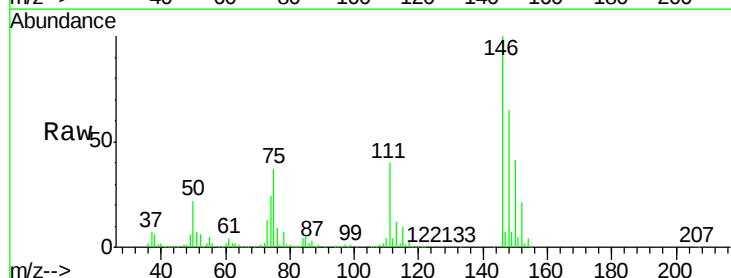
Manual Integrations
 APPROVED

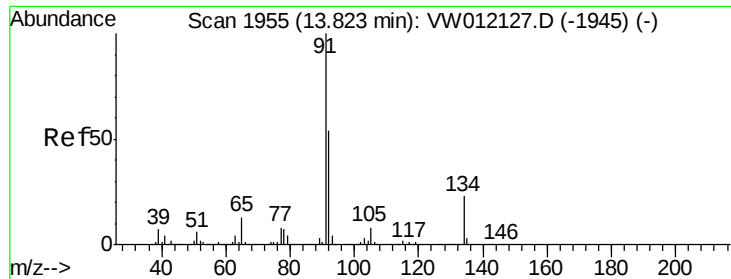
MMDadoda
 8/30/2019 11:41:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.134 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	64.7	32.1	96.3





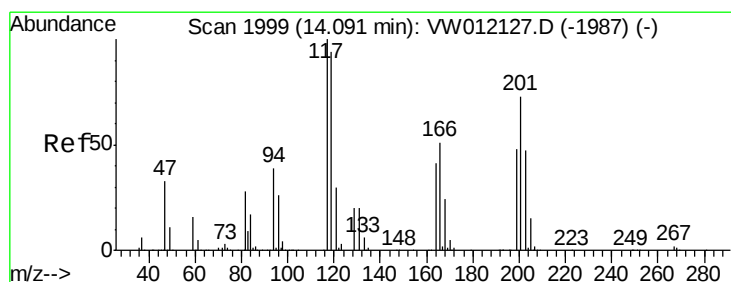
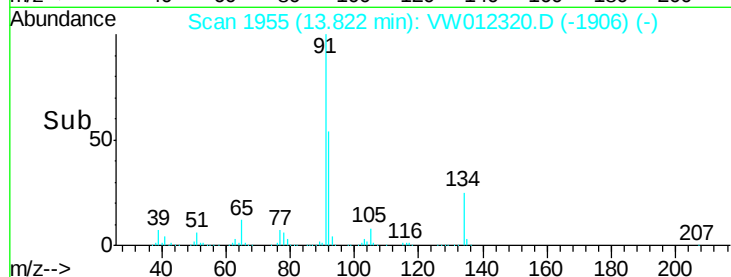
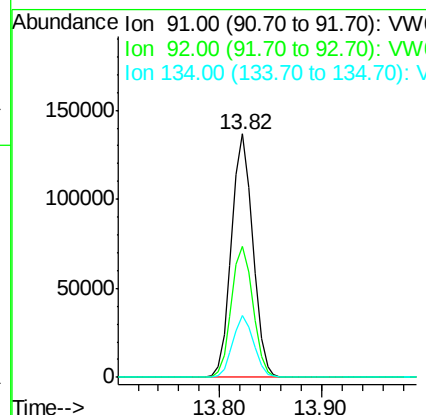
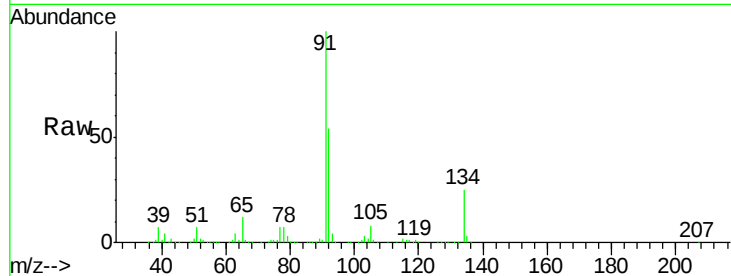
#89
n-Butylbenzene
Concen: 20.174 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	197968		
92	54.3		27.1	81.2
134	25.1		12.2	36.4

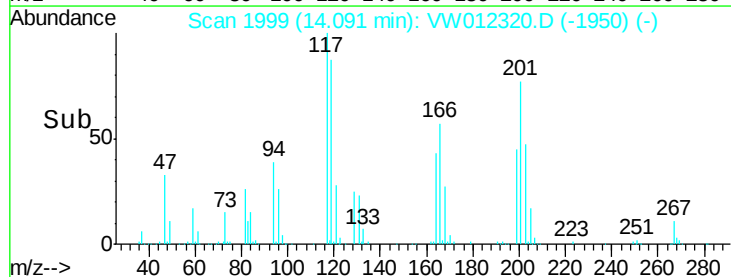
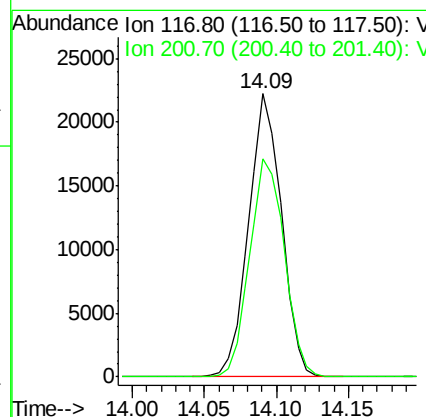
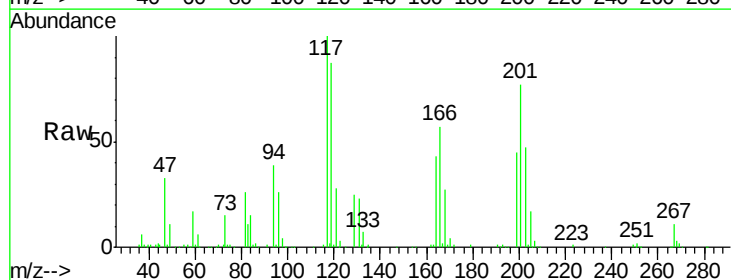
Manual Integrations
APPROVED

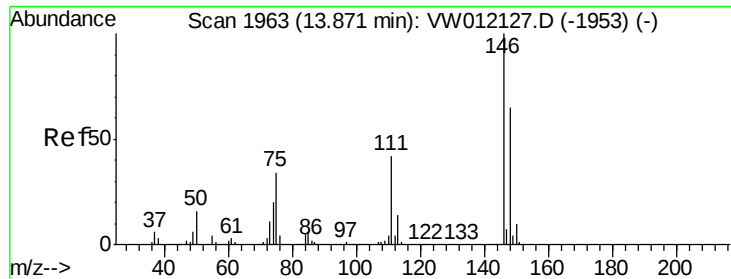
MMDadoda
8/30/2019 11:41:39 AM



#90
Hexachloroethane
Concen: 20.308 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35159		
201	81.2		38.6	115.7





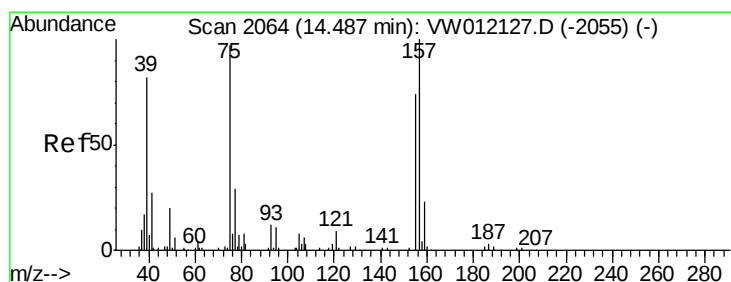
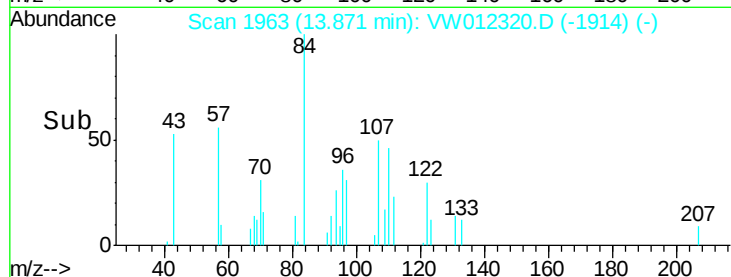
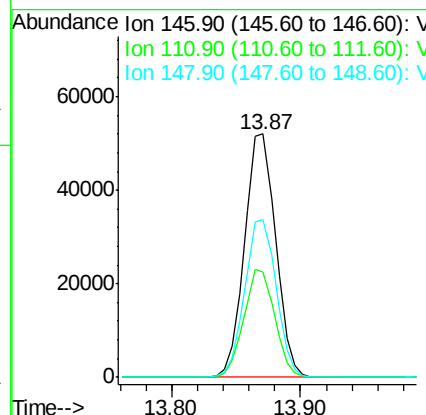
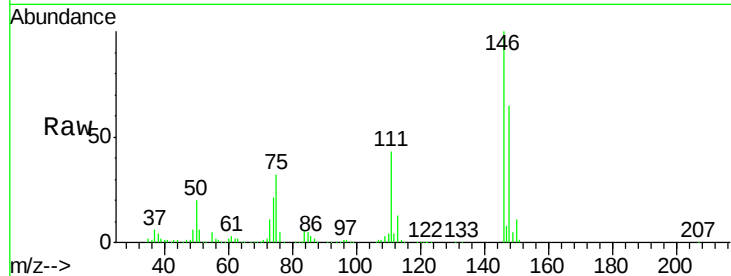
#91
 1,2-Dichlorobenzene
 Concen: 21.524 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.2	63.6
148	65.4	32.5	97.4

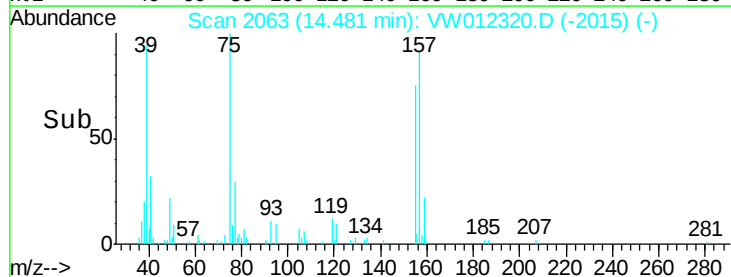
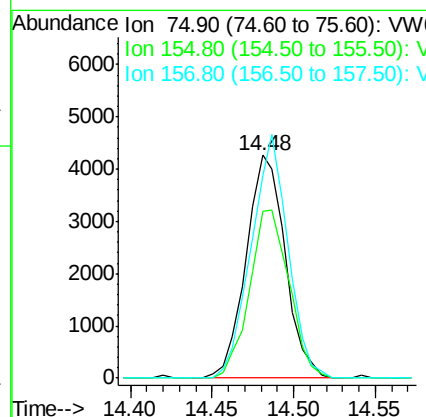
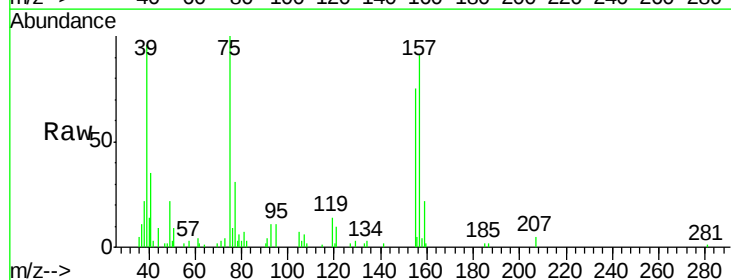
Manual Integrations
 APPROVED

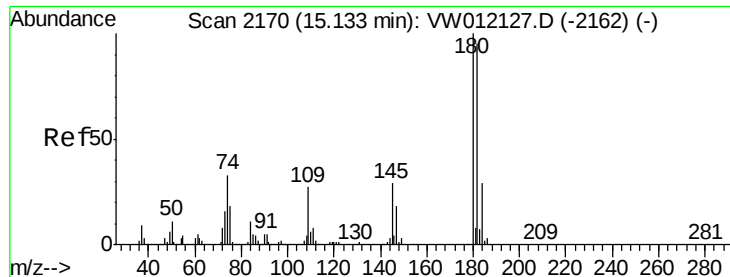
MMDadoda
 8/30/2019 11:41:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.160 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	37.5	112.3
157	102.7	50.5	151.5





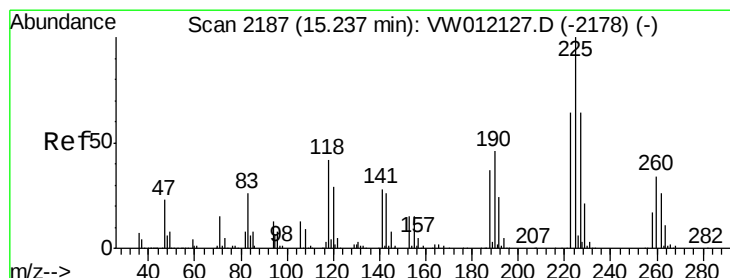
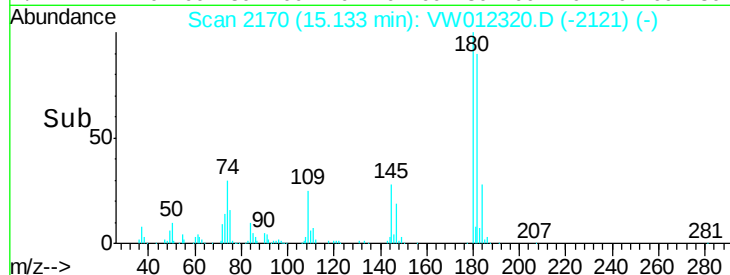
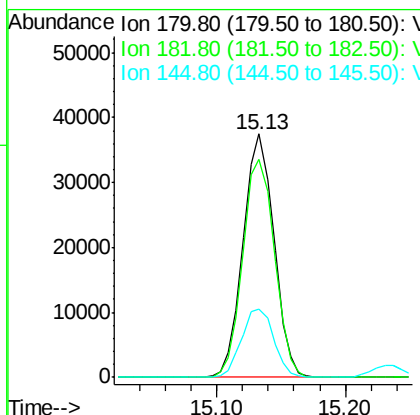
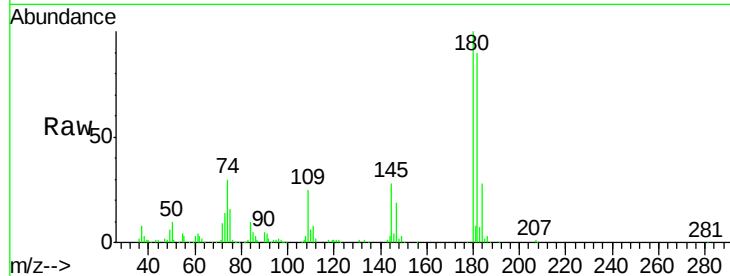
#93
 1,2,4-Trichlorobenzene
 Concen: 22.188 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62020		
182	92.4		47.8	143.4
145	29.6		15.0	45.1

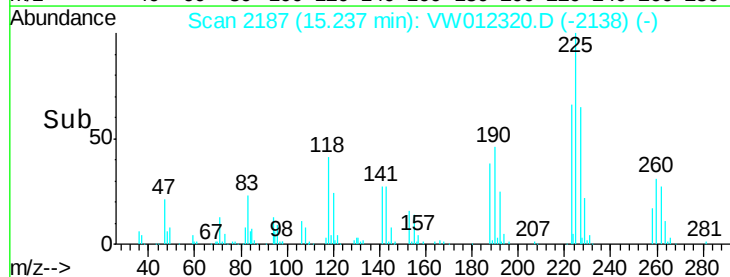
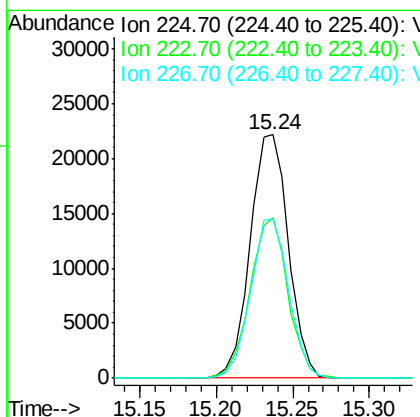
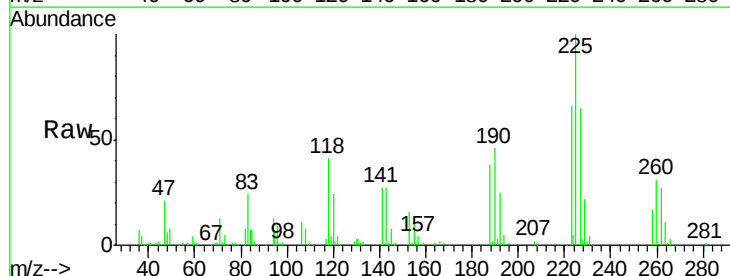
Manual Integrations
 APPROVED

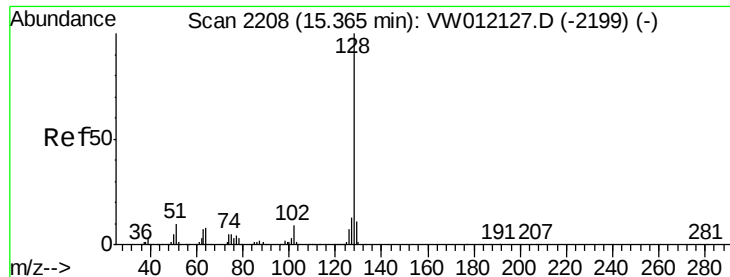
MMDadoda
 8/30/2019 11:41:39 AM



#94
 Hexachlorobutadiene
 Concen: 20.883 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012320.D
 Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38544		
223	65.0		32.3	96.8
227	65.0		32.9	98.6





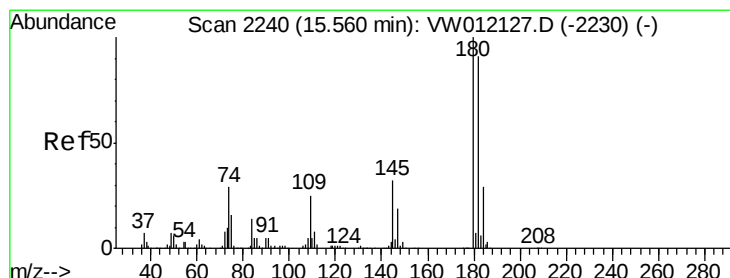
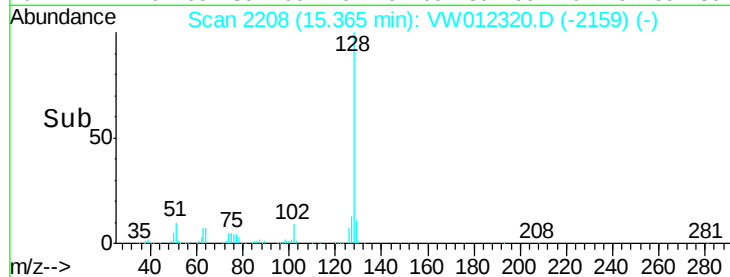
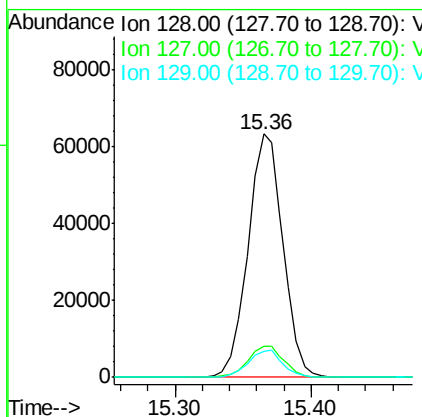
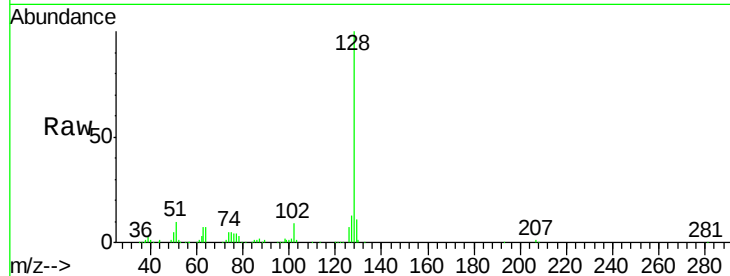
#95
Naphthalene
Concen: 23.256 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
VW0829SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	113683		
127	13.5		10.7	16.1
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.095 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012320.D
Acq: 29 Aug 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53884		
182	95.5		47.1	141.3
145	32.7		16.2	48.5

