

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012763.D
 Acq On : 08 Sep 2019 12:35
 Operator : SY/VA
 Sample : VW0908SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:25:19 AM

Quant Time: Sep 09 07:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	159209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128349	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	7.88	113	96434	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
50) Toluene-d8	10.32	98	382908	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	12.62	95	140572	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29777	23.066	ug/l	95
3) Chloromethane	2.21	50	34160	21.774	ug/l	97
4) Vinyl Chloride	2.35	62	39799	20.690	ug/l	99
5) Bromomethane	2.78	94	21992	21.054	ug/l	96
6) Chloroethane	2.90	64	22900	19.949	ug/l	98
7) Trichlorofluoromethane	3.24	101	26604	20.041	ug/l	96
8) Diethyl Ether	3.68	74	23650	21.198	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43522	20.892	ug/l	98
10) Methyl Iodide	4.26	142	55006	20.975	ug/l	98
11) Tert butyl alcohol	5.24	59	17862m	87.745	ug/l	
12) 1,1-Dichloroethene	4.03	96	41436	21.071	ug/l	90
13) Acrolein	3.90	56	17901	82.866	ug/l	98
14) Allyl chloride	4.66	41	83098	20.427	ug/l	99
15) Acrylonitrile	5.37	53	60678	93.115	ug/l	99
16) Acetone	4.14	43	63066	86.946	ug/l	100
17) Carbon Disulfide	4.38	76	86219	20.655	ug/l	100
18) Methyl Acetate	4.67	43	30563	17.959	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	79977	20.507	ug/l	95
20) Methylene Chloride	4.91	84	45105	19.877	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	44038	21.947	ug/l	93
22) Diisopropyl ether	6.31	45	174570	21.637	ug/l	94
23) Vinyl Acetate	6.25	43	522064	102.101	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93206	21.455	ug/l	100
25) 2-Butanone	7.17	43	89699	97.056	ug/l	98
26) 2,2-Dichloropropane	7.16	77	57874	21.092	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	50853	21.858	ug/l	100
28) Bromochloromethane	7.51	49	38727	19.414	ug/l #	99
29) Tetrahydrofuran	7.53	42	52724	90.012	ug/l	98
30) Chloroform	7.67	83	91480	21.248	ug/l	97
31) Cyclohexane	7.95	56	83076	21.242	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	74788	21.430	ug/l	99
36) 1,1-Dichloropropene	8.08	75	70364	22.184	ug/l	100
37) Ethyl Acetate	7.25	43	36824	18.212	ug/l	96
38) Carbon Tetrachloride	8.06	117	67556	21.607	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012763.D
 Acq On : 08 Sep 2019 12:35
 Operator : SY/VA
 Sample : VW0908SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:25:19 AM

Quant Time: Sep 09 07:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	76664	21.520	ug/l	96
40) Benzene	8.32	78	192309	21.853	ug/l	99
41) Methacrylonitrile	7.48	41	21975	18.599	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	65399	21.116	ug/l	100
43) Isopropyl Acetate	8.42	43	73161	19.099	ug/l	98
44) Trichloroethene	9.09	130	48845	21.532	ug/l	89
45) 1,2-Dichloropropane	9.37	63	50300	20.608	ug/l	100
46) Dibromomethane	9.46	93	23657	20.468	ug/l	99
47) Bromodichloromethane	9.64	83	64537	20.295	ug/l	99
48) Methyl methacrylate	9.43	41	33726	18.423	ug/l	100
49) 1,4-Dioxane	9.49	88	8293	363.243	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	179486	89.293	ug/l	99
52) Toluene	10.38	92	114827	20.906	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65700	20.093	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	73233	19.743	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35848	20.717	ug/l	98
56) Ethyl methacrylate	10.65	69	49146	19.403	ug/l	99
57) 1,3-Dichloropropane	10.93	76	64898	20.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122072	90.781	ug/l	99
59) 2-Hexanone	10.97	43	133457	90.878	ug/l	100
60) Dibromochloromethane	11.13	129	41077	20.185	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32401	20.424	ug/l	100
64) Tetrachloroethene	10.86	164	40735	21.767	ug/l	96
65) Chlorobenzene	11.66	112	125143	21.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45321	20.877	ug/l	99
67) Ethyl Benzene	11.73	91	235868	21.566	ug/l	98
68) m/p-Xylenes	11.84	106	171505	43.443	ug/l	100
69) o-Xylene	12.16	106	79719	21.404	ug/l	99
70) Styrene	12.18	104	141002	21.425	ug/l	100
71) Bromoform	12.35	173	23501	19.485	ug/l #	100
73) Isopropylbenzene	12.46	105	230901	20.221	ug/l	100
74) N-amyl acetate	12.27	43	65929	18.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42593	18.573	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	35094m	21.557	ug/l	
77) Bromobenzene	12.74	156	52414	20.260	ug/l	98
78) n-propylbenzene	12.80	91	279924	20.497	ug/l	100
79) 2-Chlorotoluene	12.89	91	160008	20.409	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	197977	20.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12486	16.222	ug/l	92
82) 4-Chlorotoluene	12.99	91	169014	20.380	ug/l	100
83) tert-Butylbenzene	13.21	119	171413	20.148	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	198111	20.433	ug/l	97
85) sec-Butylbenzene	13.38	105	238717	20.220	ug/l	99
86) p-Isopropyltoluene	13.50	119	222677	20.649	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102612	20.179	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	103038	20.364	ug/l	99
89) n-Butylbenzene	13.82	91	214086	20.449	ug/l	99
90) Hexachloroethane	14.09	117	37601	19.974	ug/l	100
91) 1,2-Dichlorobenzene	13.86	146	92170	20.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7137	17.006	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090819\
Data File : VW012763.D
Acq On : 08 Sep 2019 12:35
Operator : SY/VA
Sample : VW0908SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

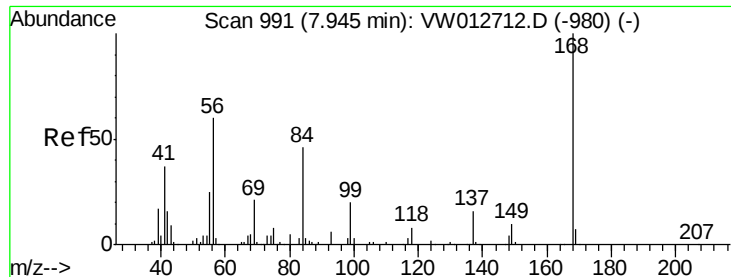
Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM

Quant Time: Sep 09 07:11:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63657	19.977	ug/l	95
94) Hexachlorobutadiene	15.24	225	43779	19.849	ug/l	98
95) Naphthalene	15.36	128	107014	19.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56153	19.964	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: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion:168 Resp: 238125

Ion Ratio Lower Upper

168 100

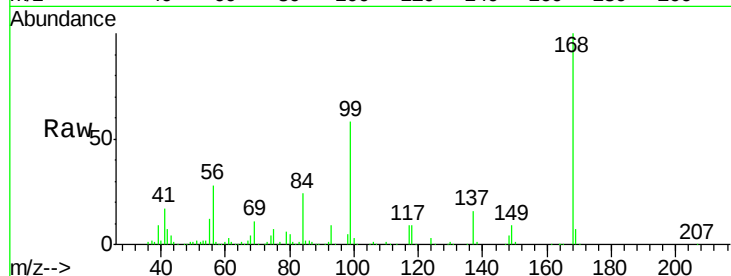
99 57.9 47.8 71.6

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

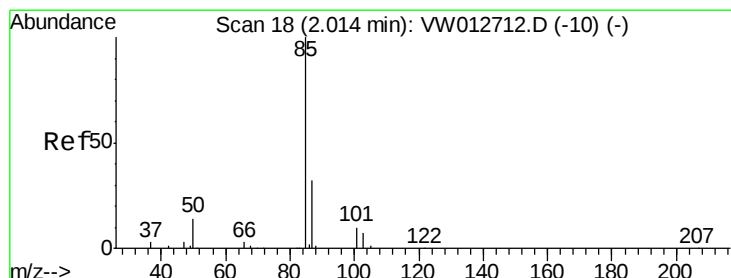
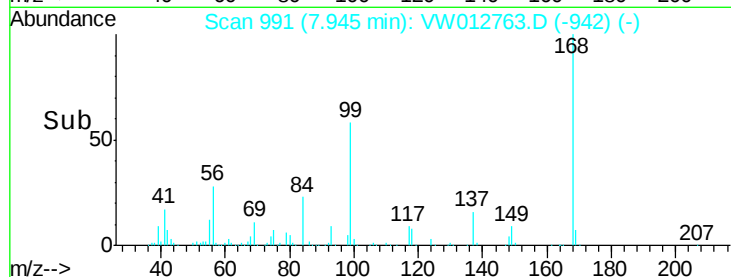
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.066 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012763.D

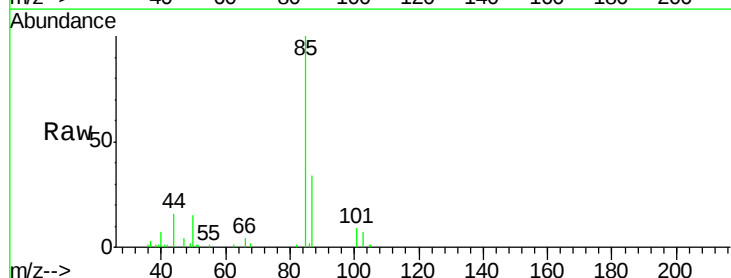
Acq: 08 Sep 2019 12:35

Tgt Ion: 85 Resp: 29777

Ion Ratio Lower Upper

85 100

87 34.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

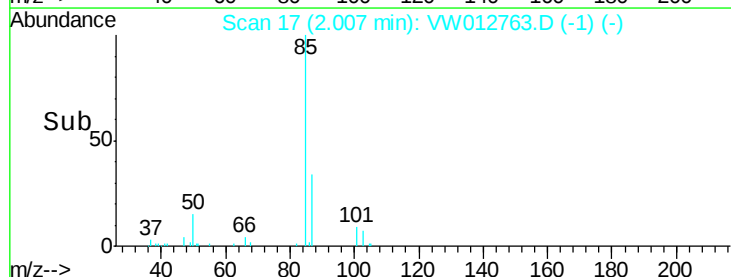
6000

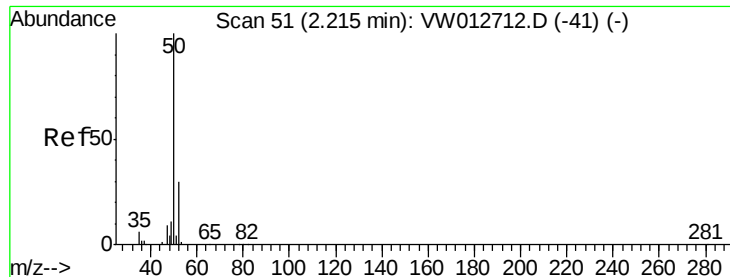
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.774 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 50 Resp: 34160

Ion Ratio Lower Upper

50 100

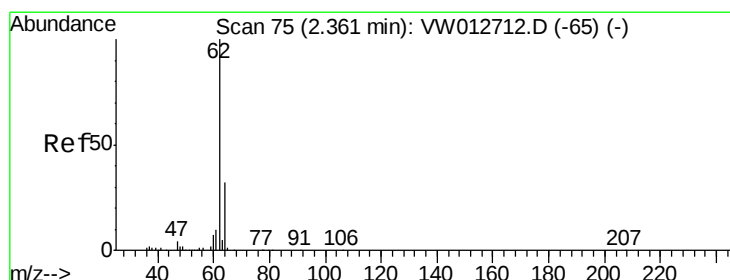
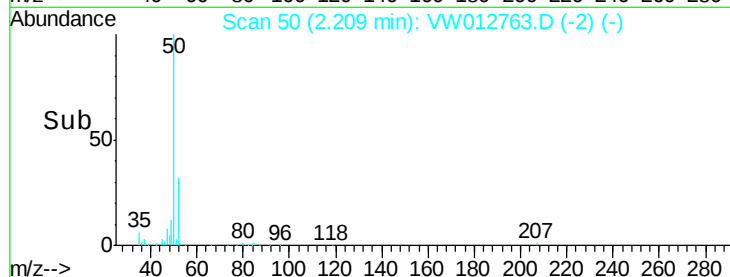
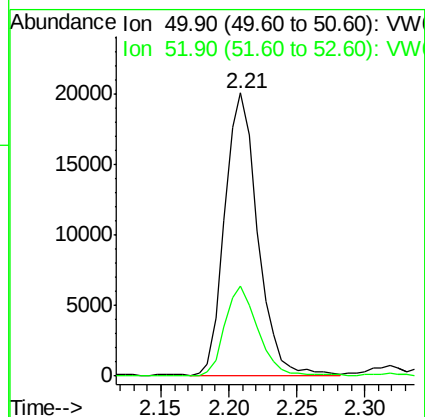
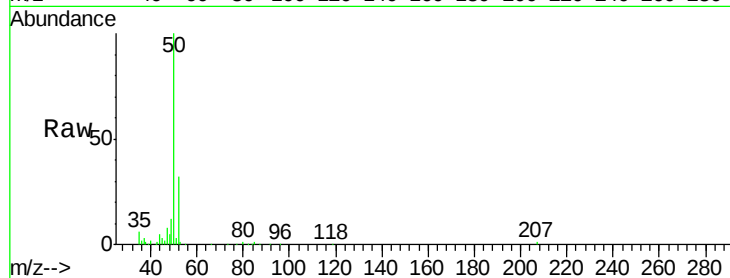
52 31.6 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#4

Vinyl Chloride

Concen: 20.690 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012763.D

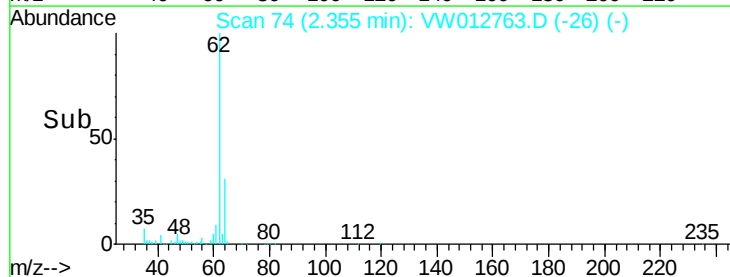
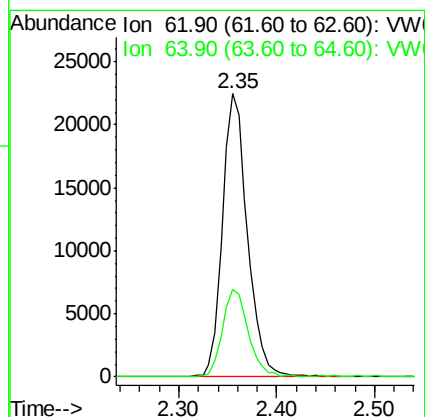
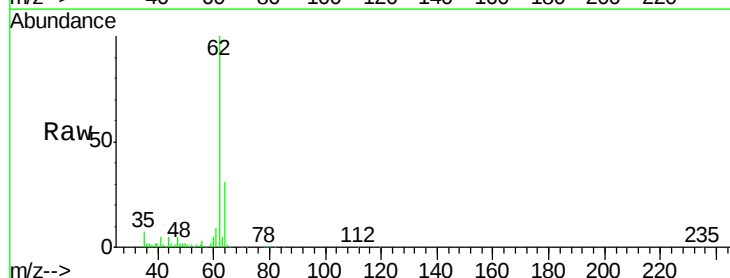
Acq: 08 Sep 2019 12:35

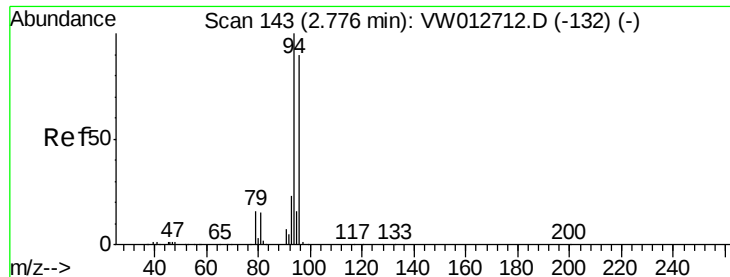
Tgt Ion: 62 Resp: 39799

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 21.054 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 94 Resp: 21992

Ion Ratio Lower Upper

94 100

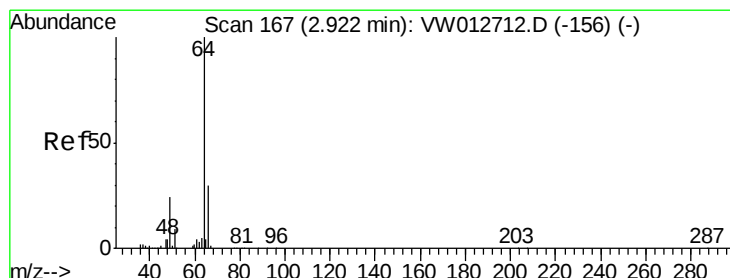
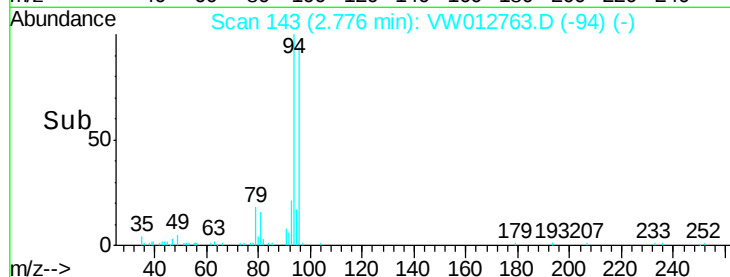
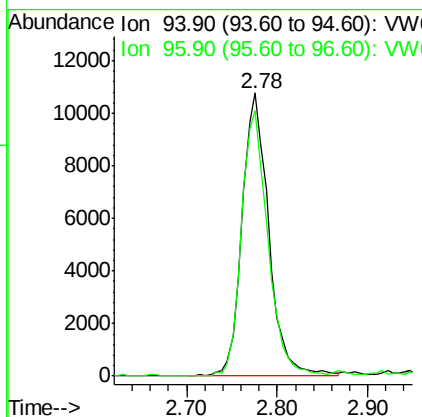
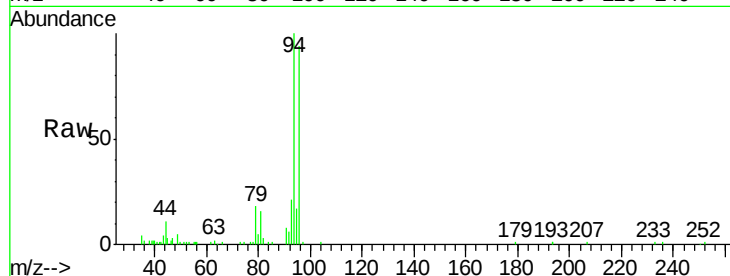
96 93.9 72.1 108.1

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#6

Chloroethane

Concen: 19.949 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW012763.D

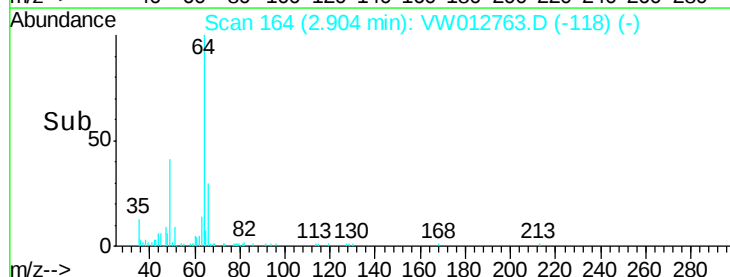
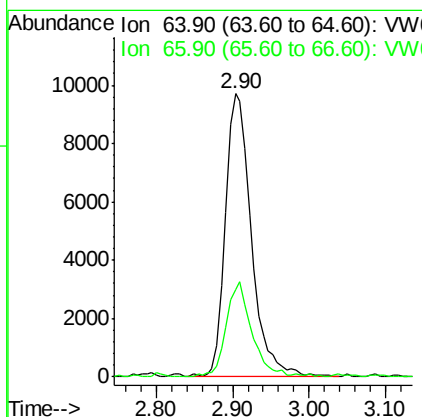
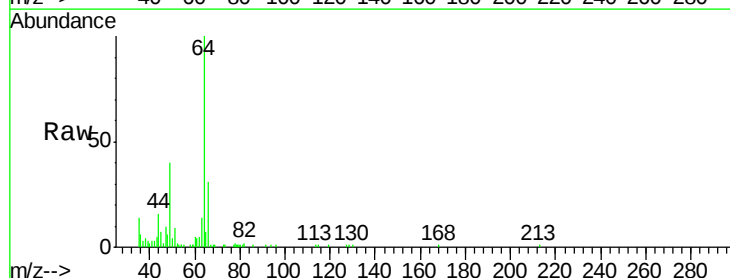
Acq: 08 Sep 2019 12:35

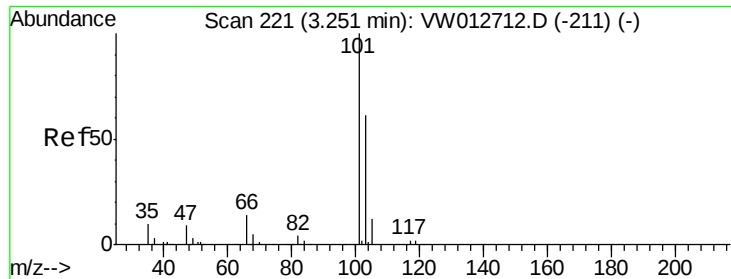
Tgt Ion: 64 Resp: 22900

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.6





#7

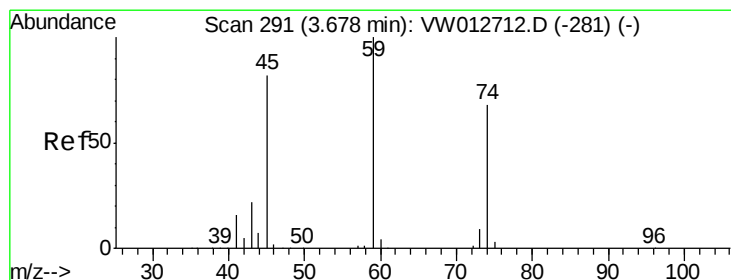
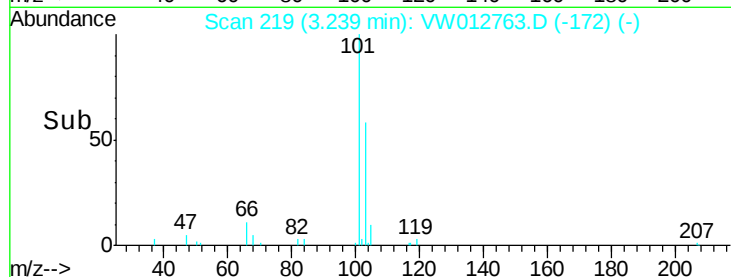
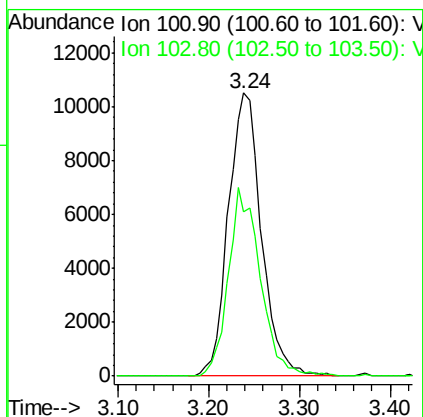
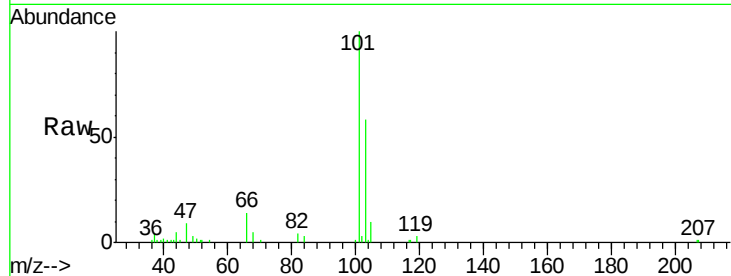
Trichlorofluoromethane
 Concen: 20.041 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.0	49.0	73.4

Manual Integrations
 APPROVED

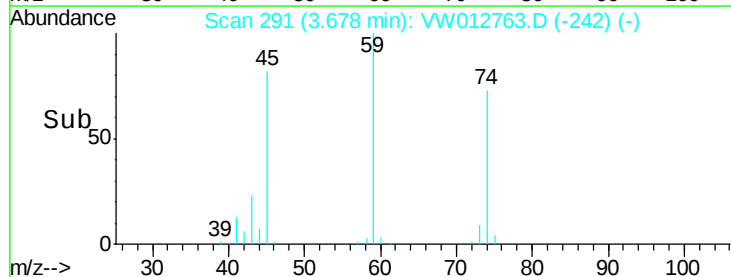
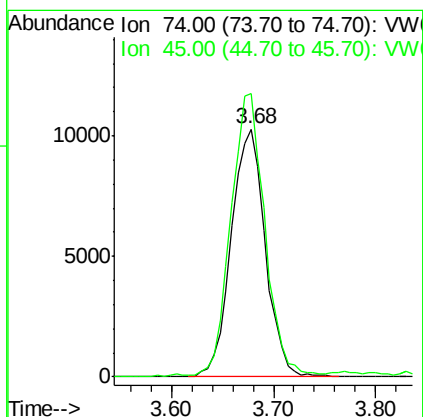
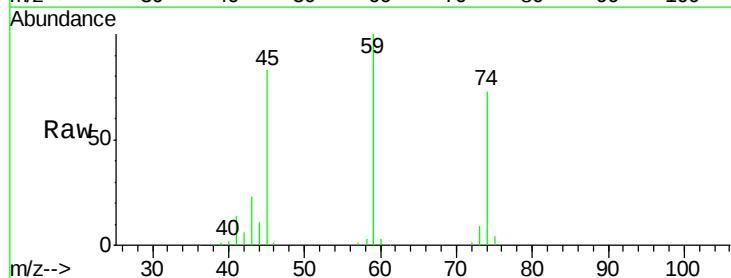
MMDadoda
 9/9/2019 11:25:19 AM

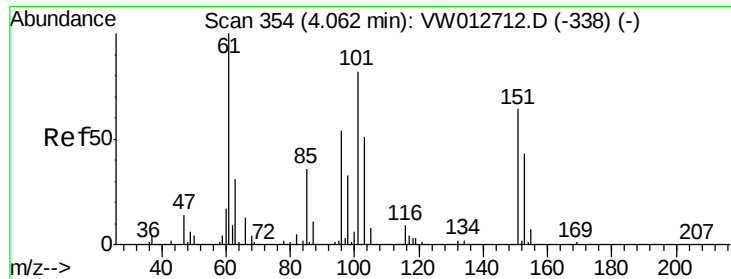


#8

Diethyl Ether
 Concen: 21.198 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.3	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.892 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

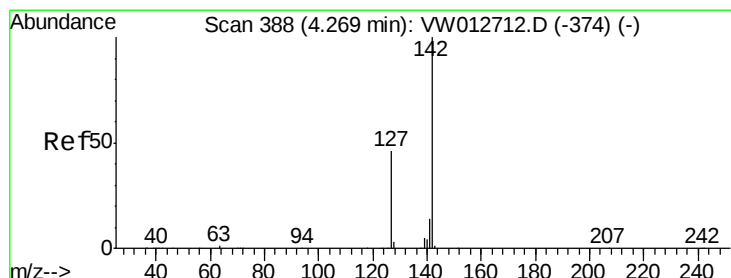
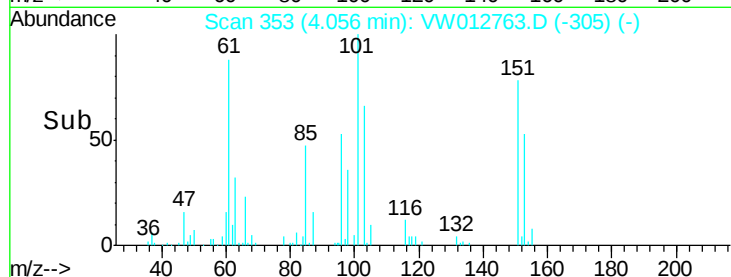
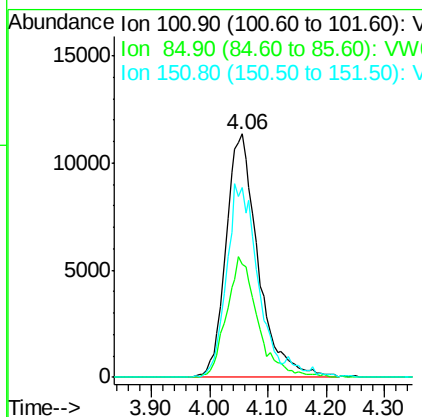
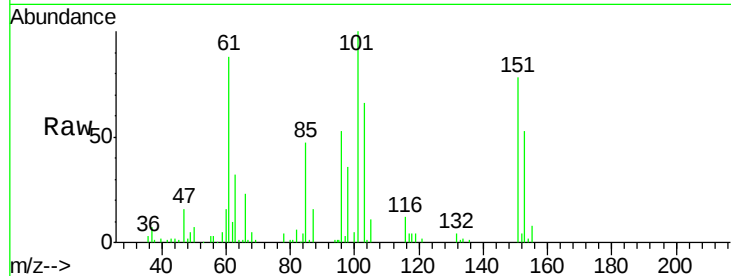
ClientSampleId :

VW0908SBS01

Tot Ion:	101	Resp:	43522
Ion Ratio	Lower	Upper	
101	100		
85	47.8	36.2	54.2
151	76.0	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#10

Methyl Iodide

Concen: 20.975 ug/l

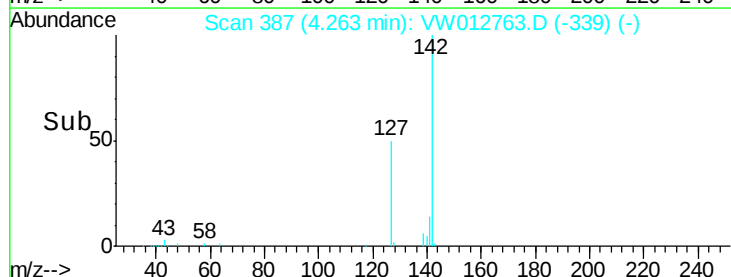
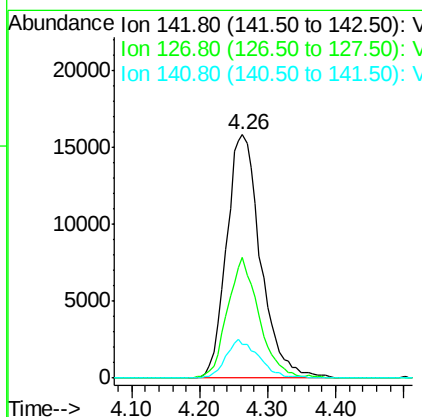
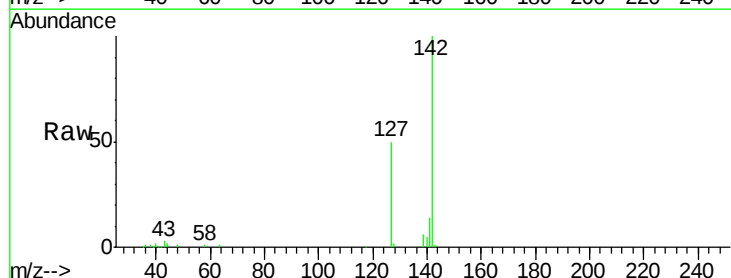
RT: 4.26 min Scan# 387

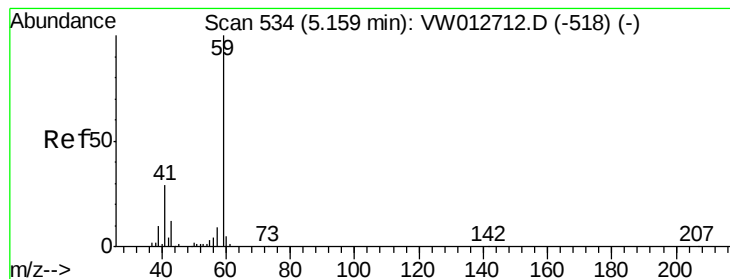
Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	142	Resp:	55006
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.0	54.0
141	15.0	12.2	18.4





#11

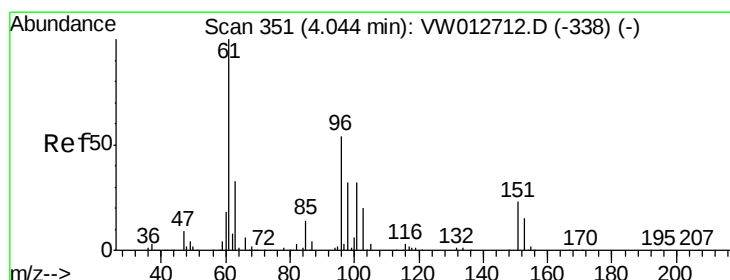
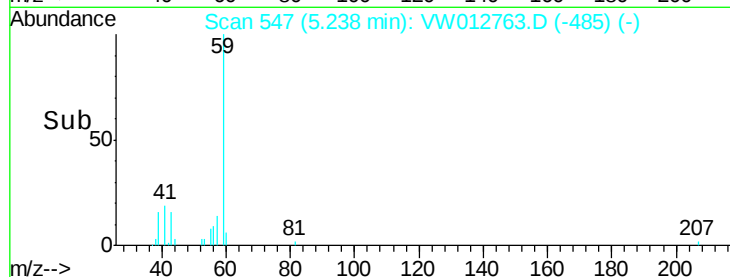
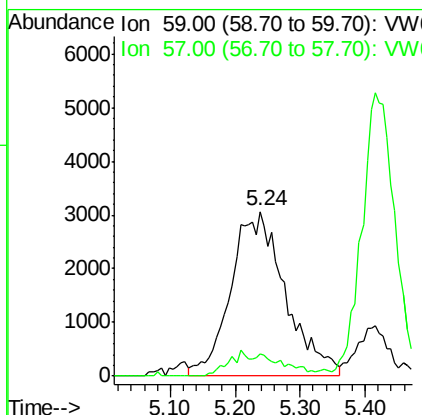
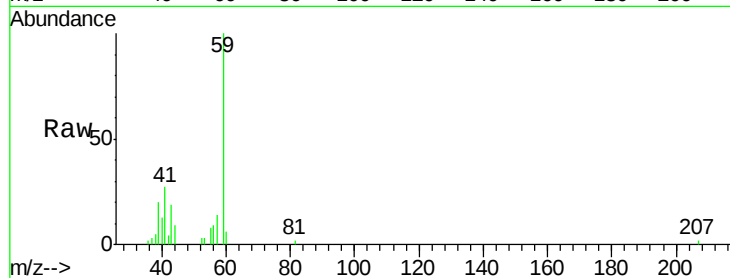
Tert butyl alcohol
 Concen: 87.745 ug/l m
 RT: 5.24 min Scan# 547
 Delta R.T. 0.08 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

Manual Integrations
 APPROVED

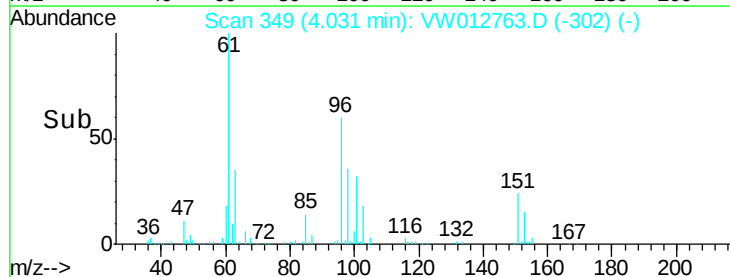
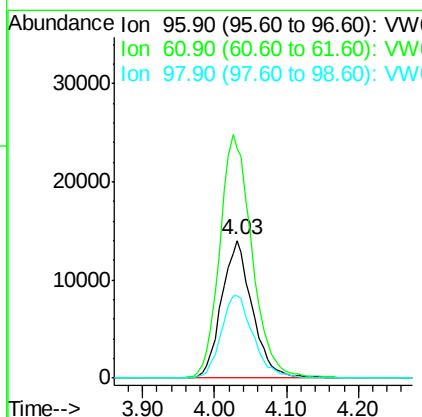
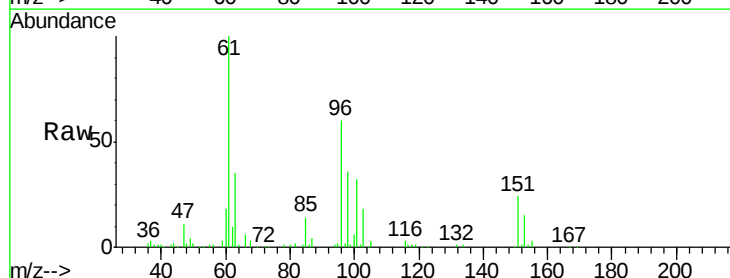
MMDadoda
 9/9/2019 11:25:19 AM

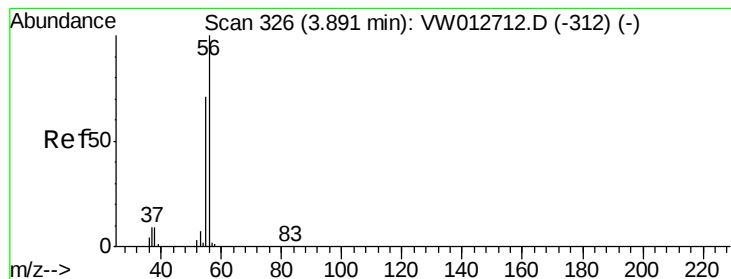


#12

1,1-Dichloroethene
 Concen: 21.071 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	147.8	221.6
98	59.5	47.9	71.9





#13

Acrolein

Concen: 82.866 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 56 Resp: 17901

Ion Ratio Lower Upper

56 100

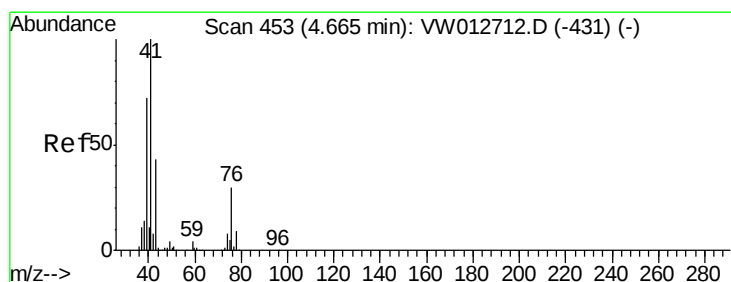
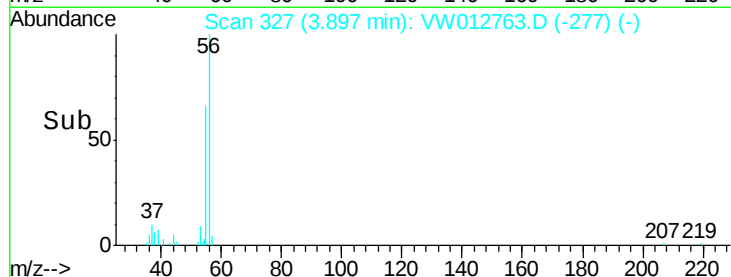
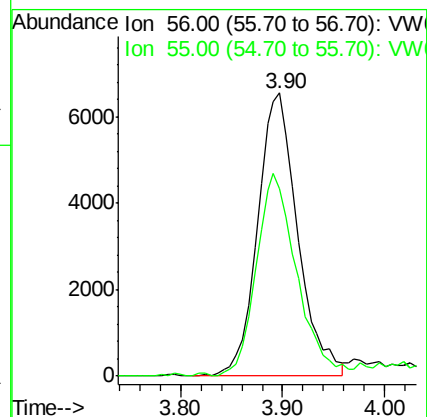
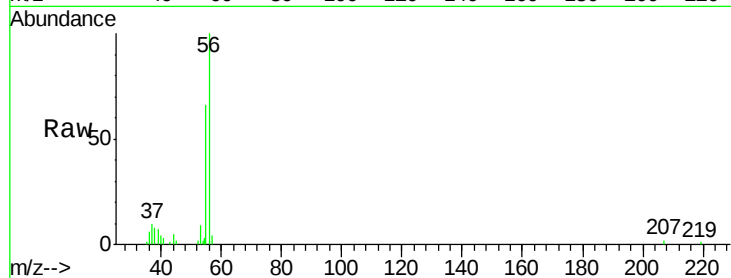
55 72.4 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#14

Allyl chloride

Concen: 20.427 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

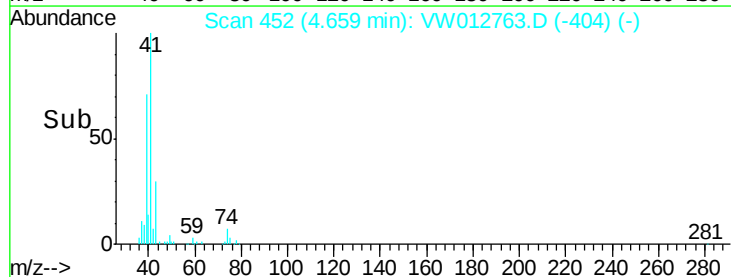
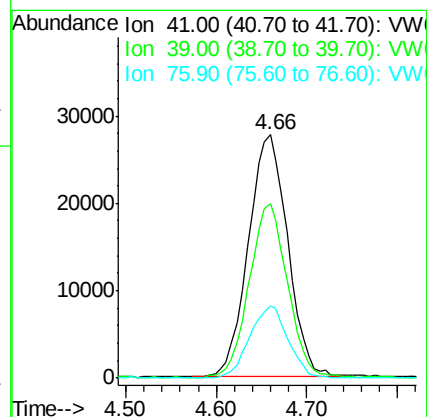
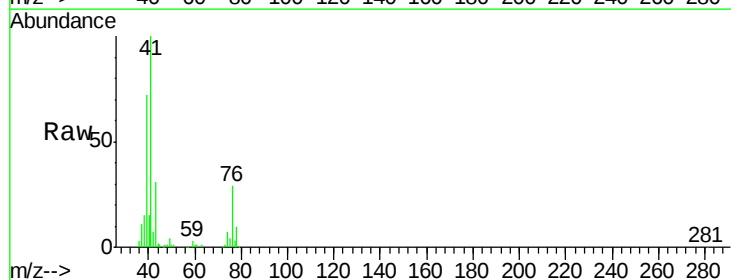
Tgt Ion: 41 Resp: 83098

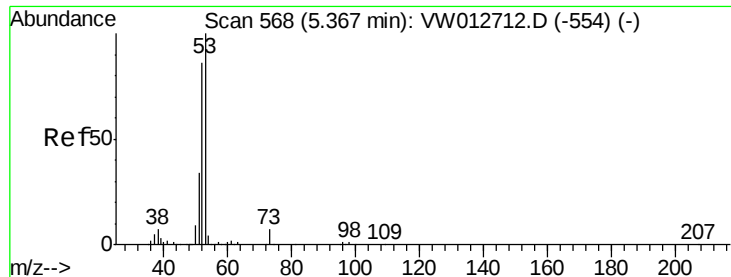
Ion Ratio Lower Upper

41 100

39 70.0 55.0 82.6

76 29.0 23.0 34.4





#15

Acrylonitrile

Concen: 93.115 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

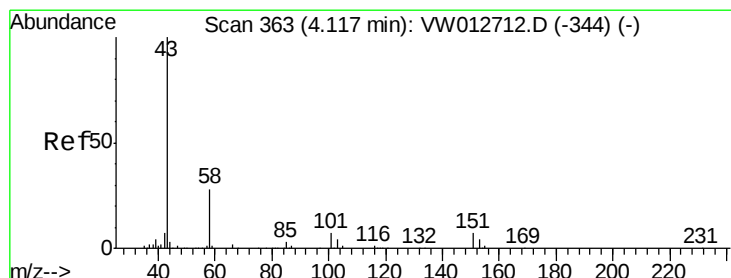
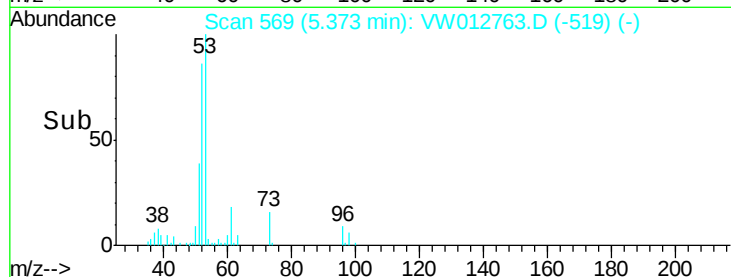
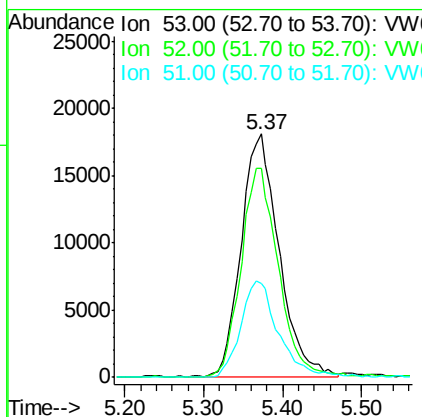
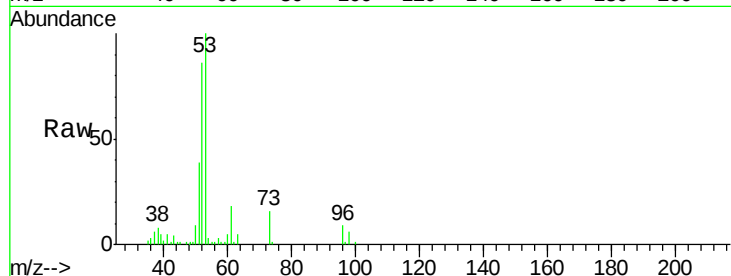
ClientSampleId :

VW0908SBS01

Tot Ion:	53	Resp:	60678
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.0	100.4
51	39.1	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#16

Acetone

Concen: 86.946 ug/l

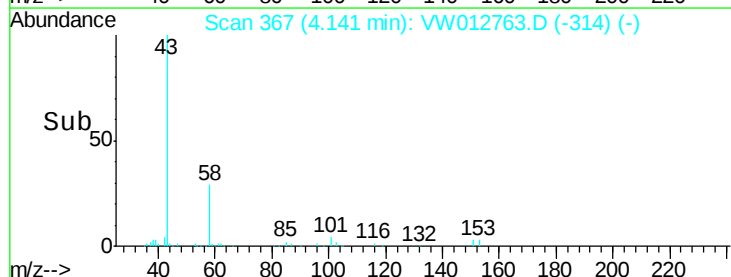
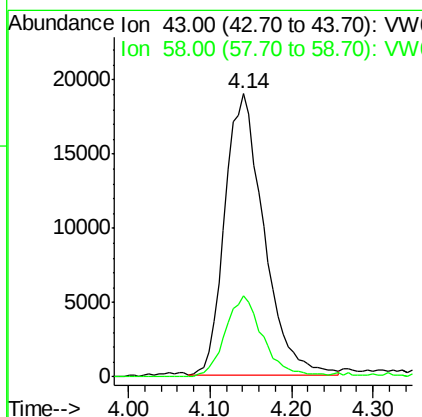
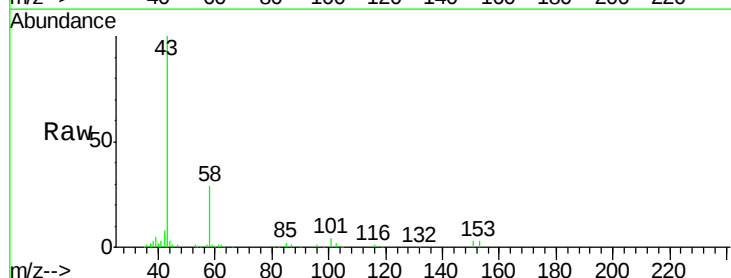
RT: 4.14 min Scan# 367

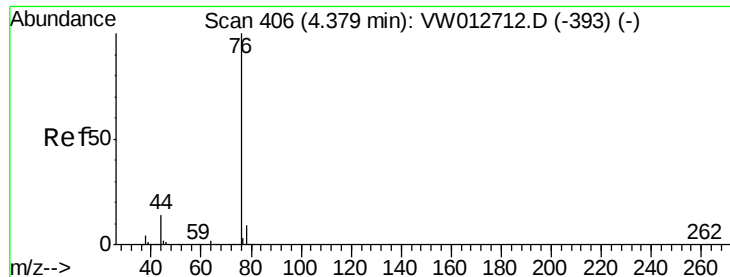
Delta R.T. 0.02 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	43	Resp:	63066
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.6	33.8





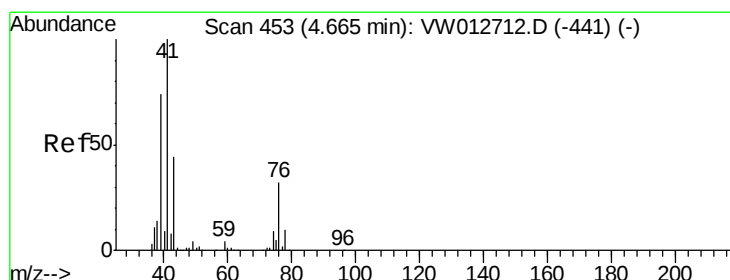
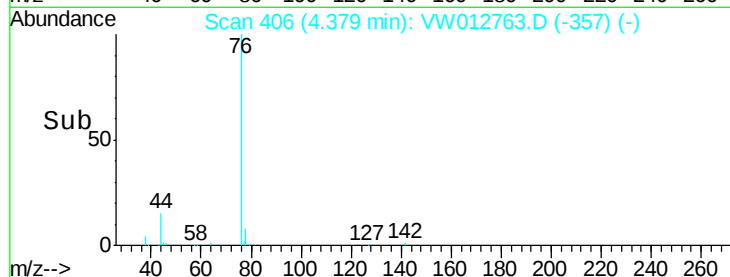
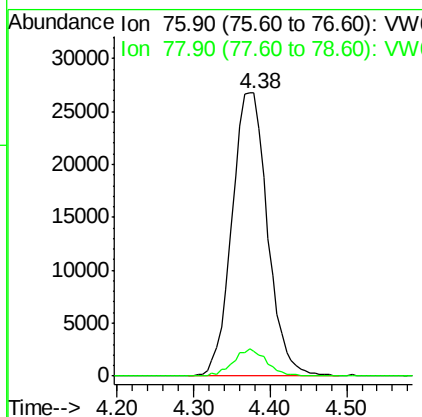
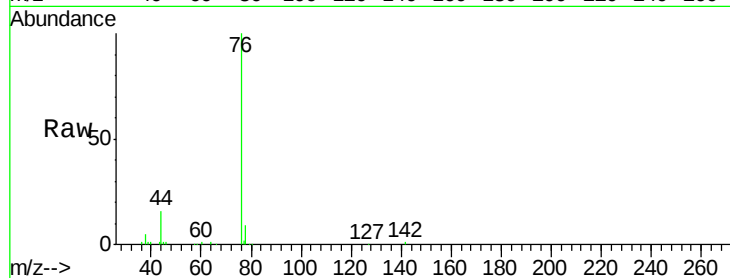
#17
Carbon Disulfide
Concen: 20.655 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

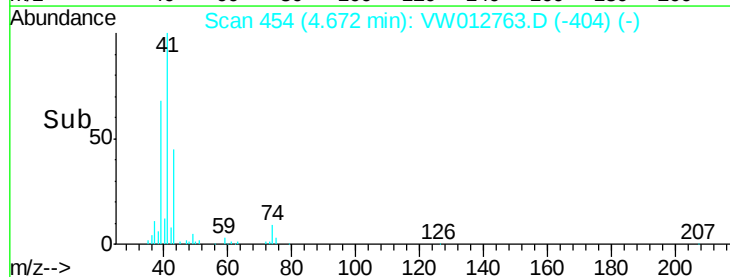
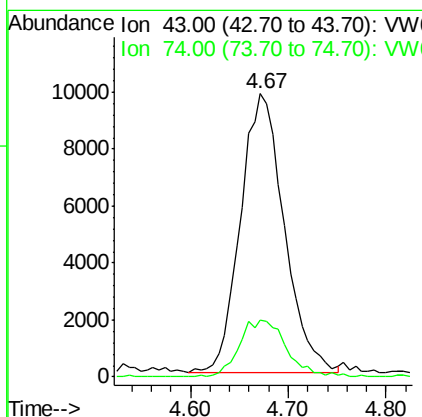
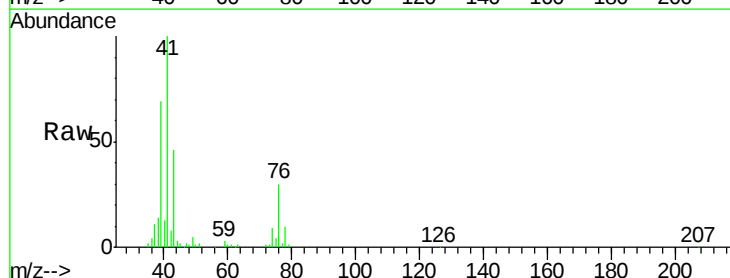
Manual Integrations
APPROVED

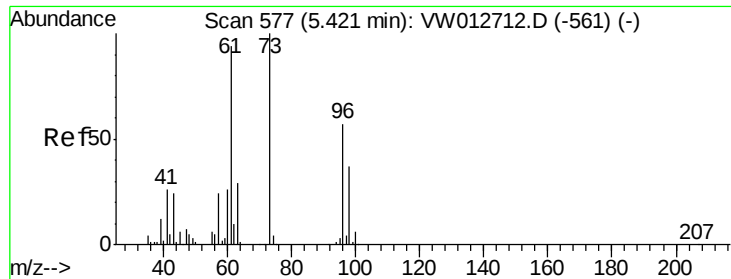
MMDadoda
9/9/2019 11:25:19 AM



#18
Methyl Acetate
Concen: 17.959 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	15.8	23.6





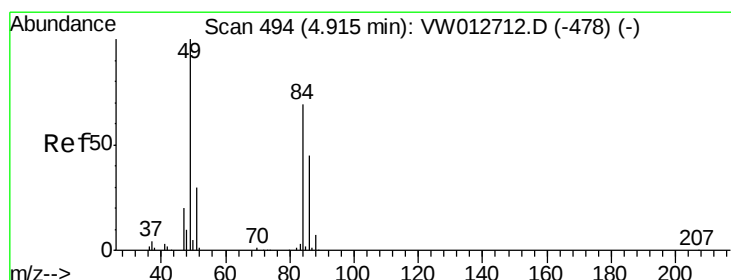
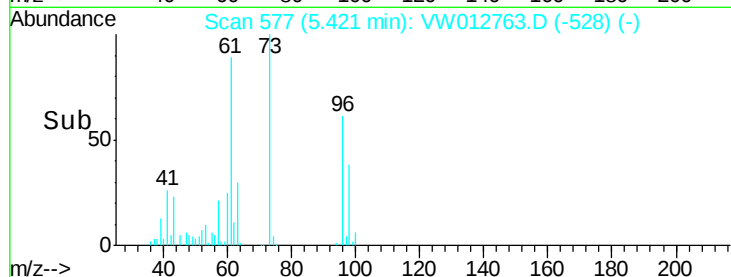
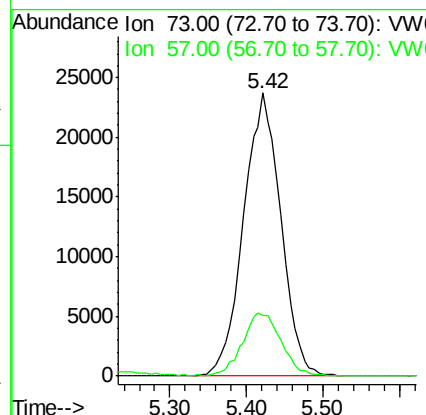
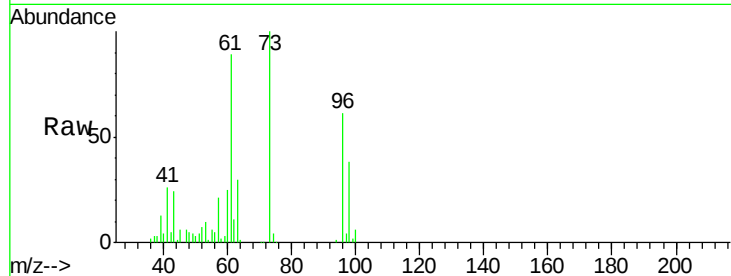
#19
Methvl tert-butvl Ether
Concen: 20.507 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion: 73 Resp: 79977
Ion Ratio Lower Upper
73 100
57 21.5 19.2 28.8

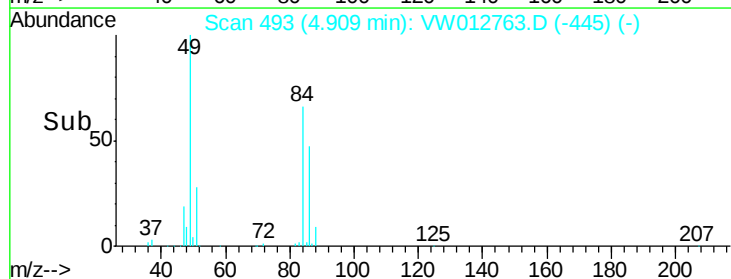
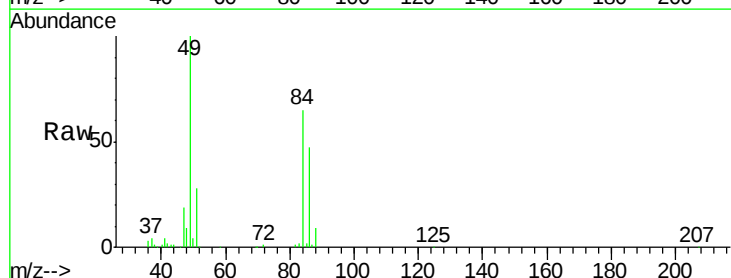
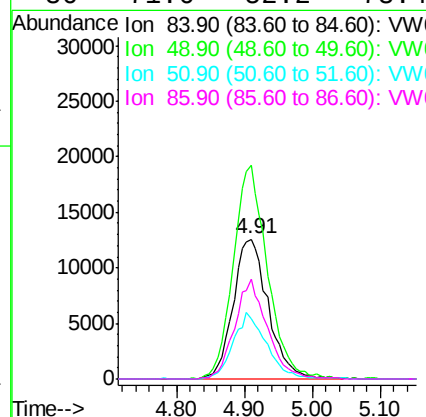
Manual Integrations
APPROVED

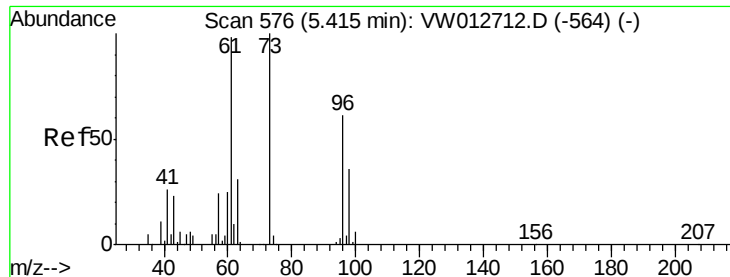
MMDadoda
9/9/2019 11:25:19 AM



#20
Methylene Chloride
Concen: 19.877 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 84 Resp: 45105
Ion Ratio Lower Upper
84 100
49 152.4 115.4 173.0
51 43.0 34.9 52.3
86 71.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 21.947 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

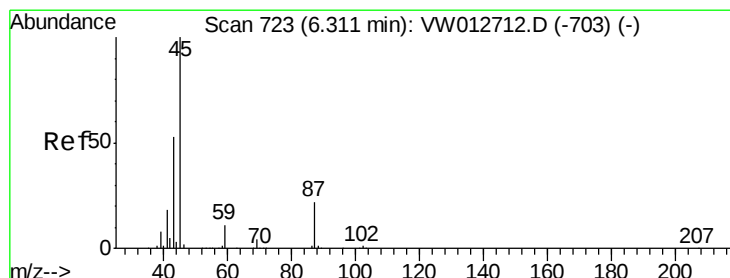
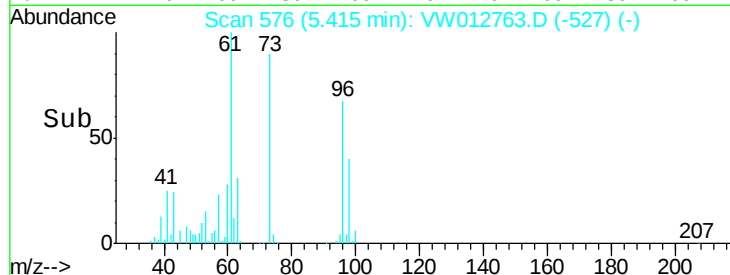
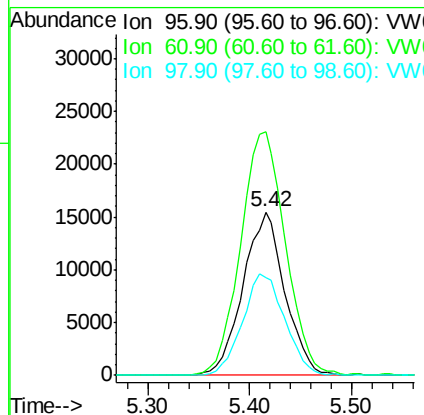
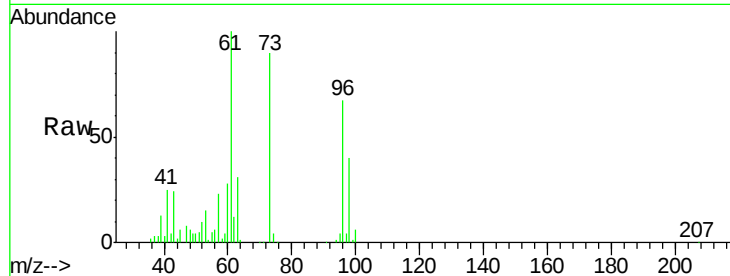
ClientSampleId :

VW0908SBS01

Tot Ion:	96	Resp:	44038
Ion	Ratio	Lower	Upper
96	100		
61	149.3	129.2	193.8
98	59.9	48.0	72.0

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#22

Diisopropyl ether

Concen: 21.637 ug/l

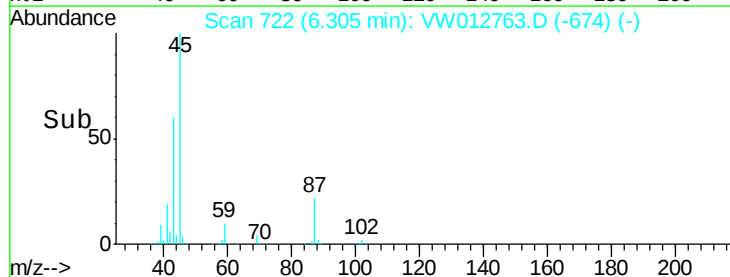
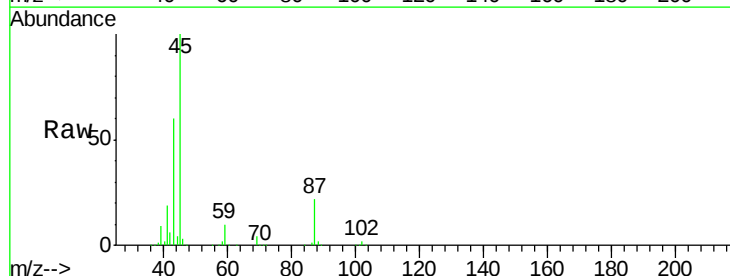
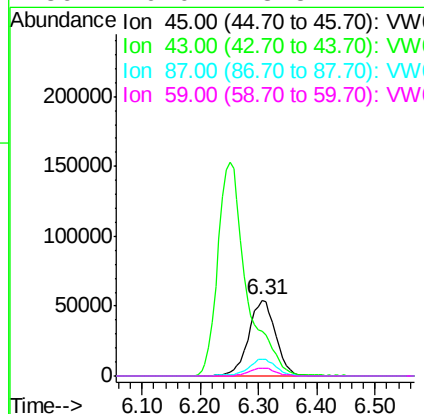
RT: 6.31 min Scan# 722

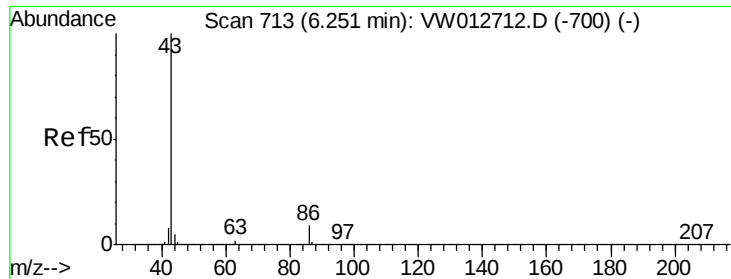
Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	45	Resp:	174570
Ion	Ratio	Lower	Upper
45	100		
43	59.6	42.3	63.5
87	22.0	18.2	27.2
59	10.0	8.5	12.7





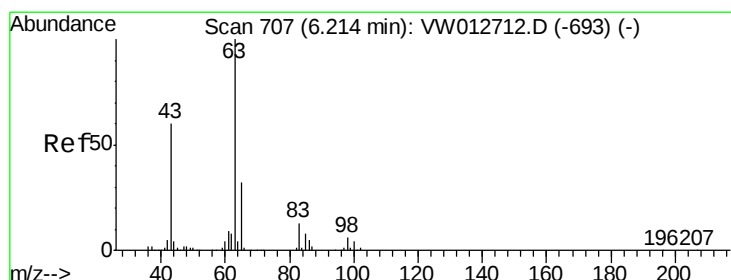
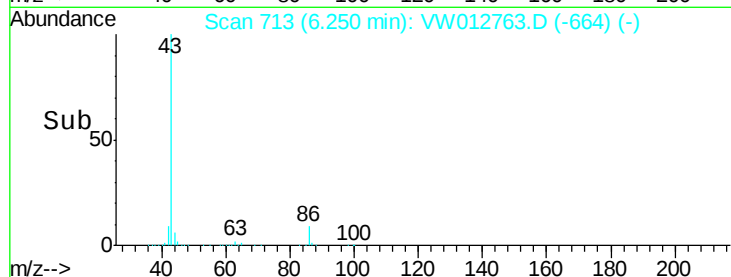
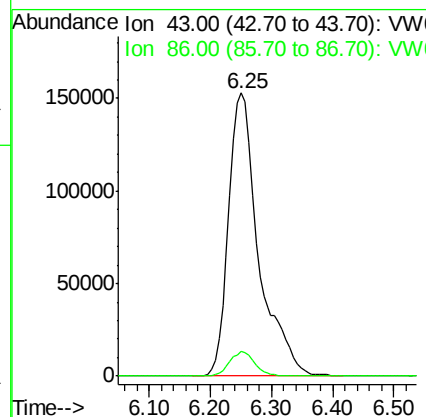
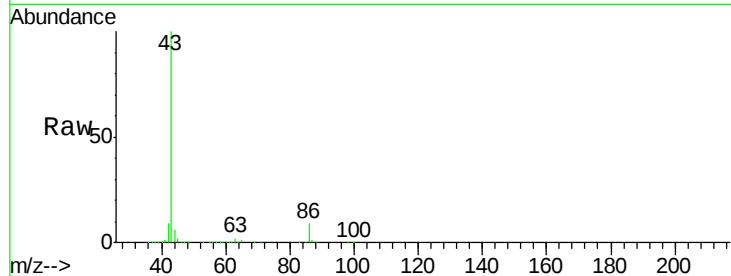
#23
 Vinyl Acetate
 Concen: 102.101 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	522064		
86	8.8		7.0	10.6

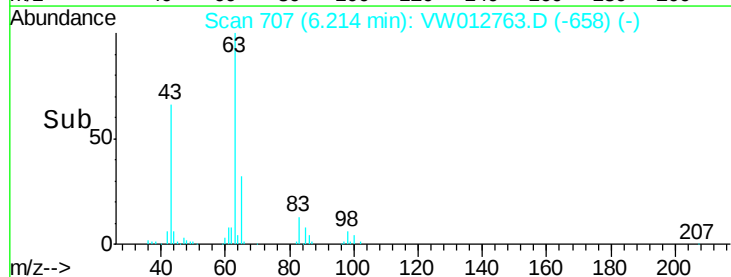
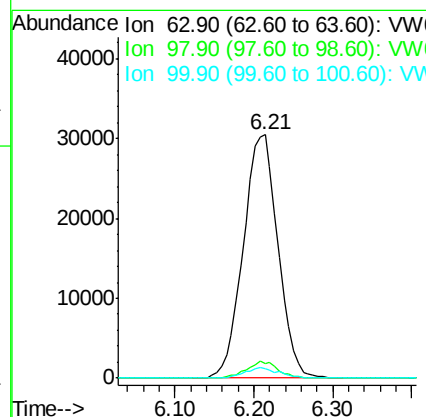
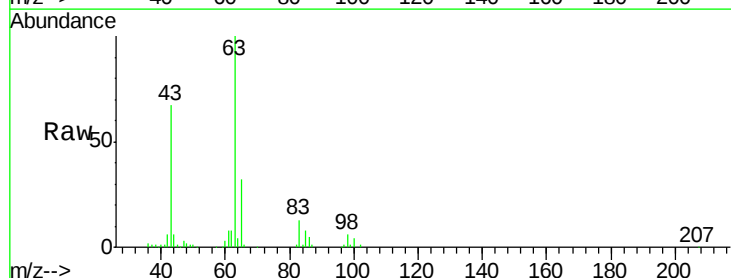
Manual Integrations
 APPROVED

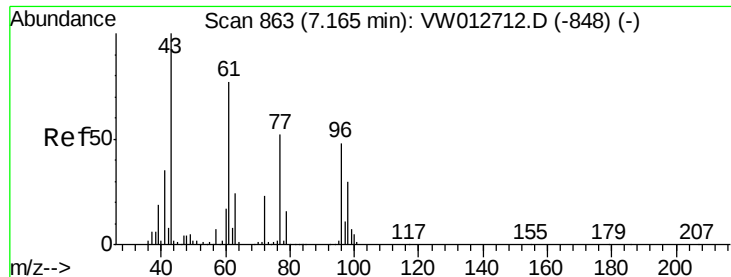
MMDadoda
 9/9/2019 11:25:19 AM



#24
 1,1-Dichloroethane
 Concen: 21.455 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	93206		
98	6.1		3.1	9.3
100	3.8		1.8	5.5





#25

2-Butanone

Concen: 97.056 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 43 Resp: 89699

Ion Ratio Lower Upper

43 100

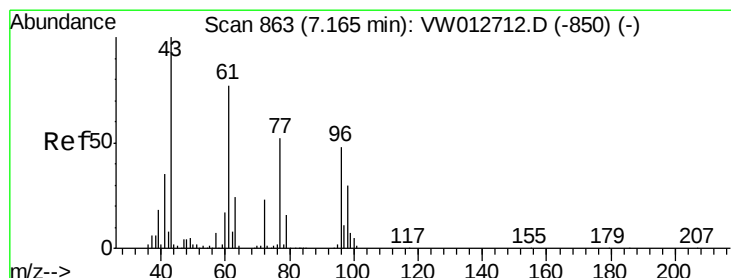
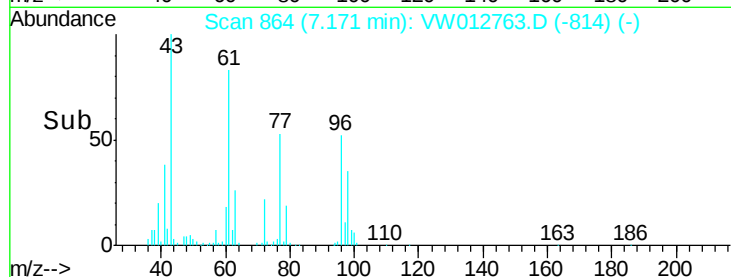
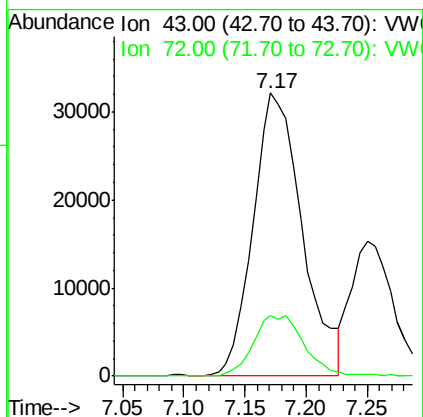
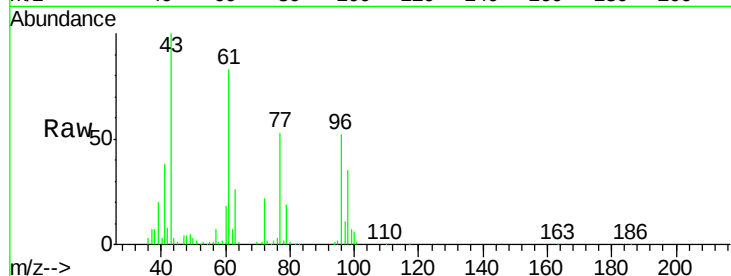
72 21.6 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#26

2,2-Dichloropropane

Concen: 21.092 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012763.D

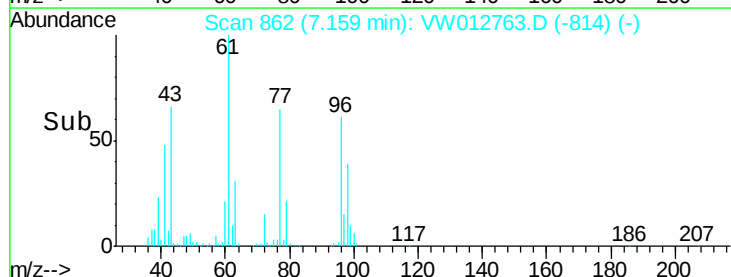
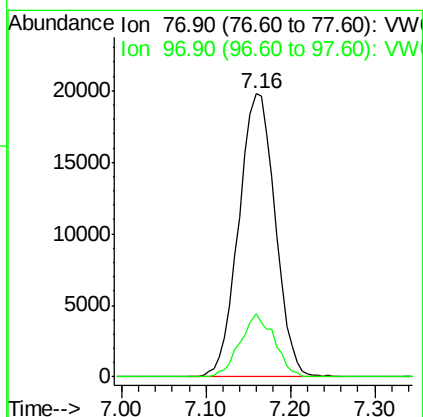
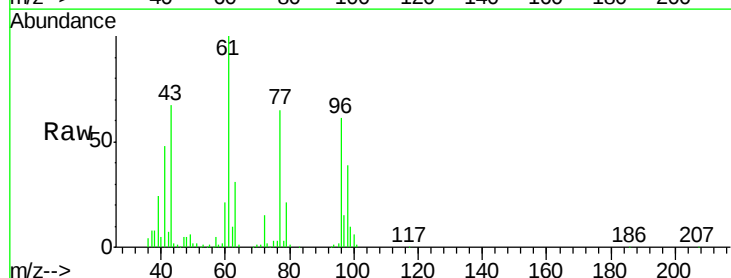
Acq: 08 Sep 2019 12:35

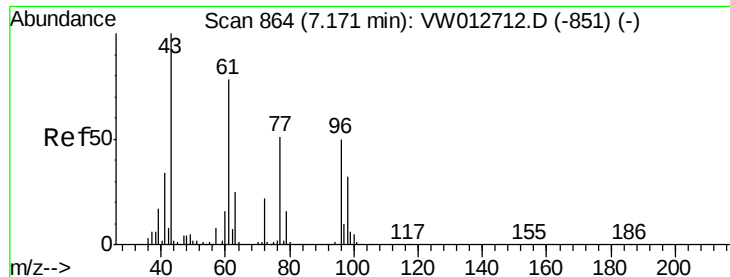
Tgt Ion: 77 Resp: 57874

Ion Ratio Lower Upper

77 100

97 20.9 10.7 32.1





#27

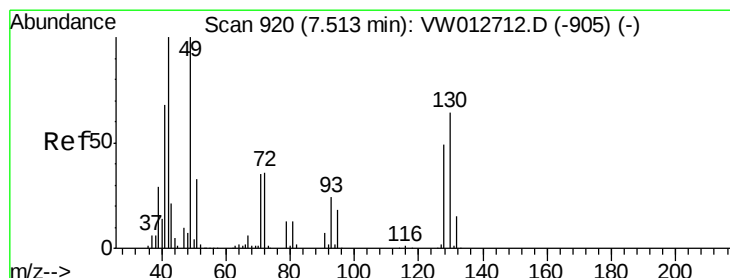
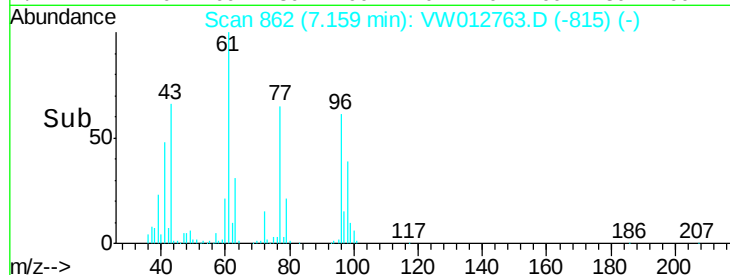
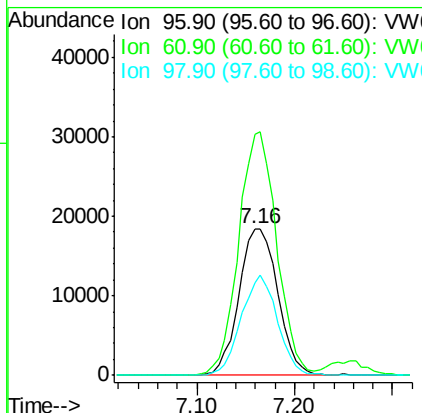
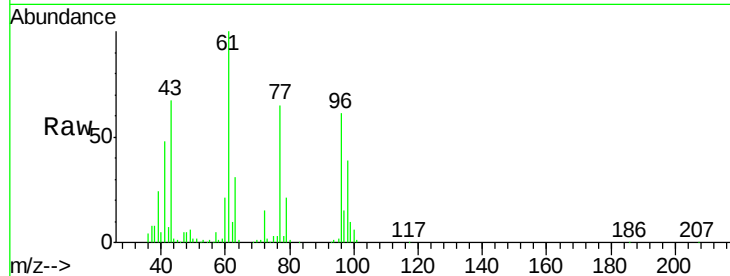
cis-1,2-Dichloroethene
Concen: 21.858 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50853		
61	162.1	0.0	325.8	
98	63.7	0.0	127.0	

Manual Integrations
APPROVED

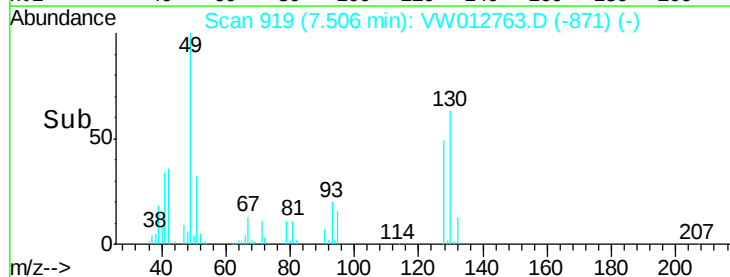
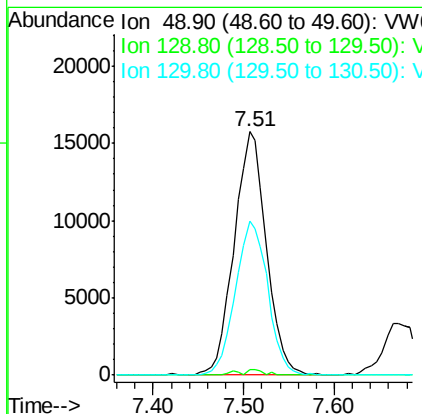
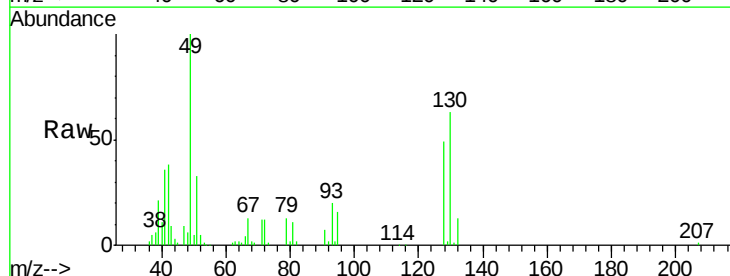
MMDadoda
9/9/2019 11:25:19 AM

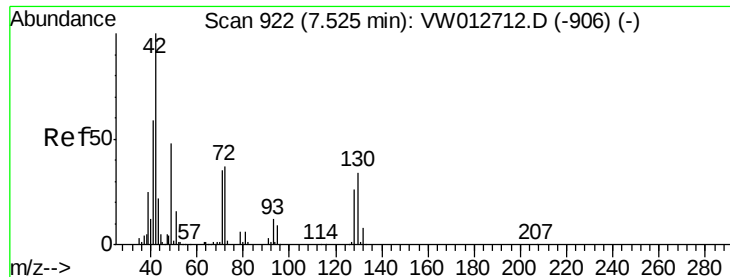


#28

Bromochloromethane
Concen: 19.414 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	38727		
129	1.2	0.0	0.8#	
130	63.3	49.8	74.8	





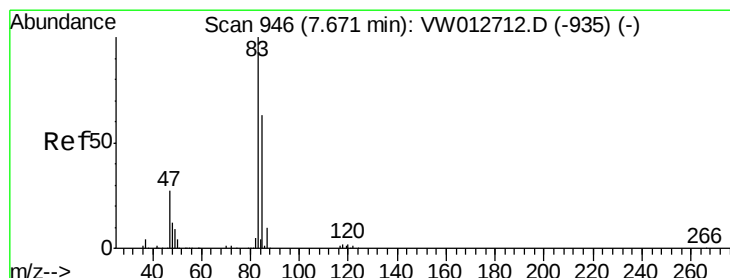
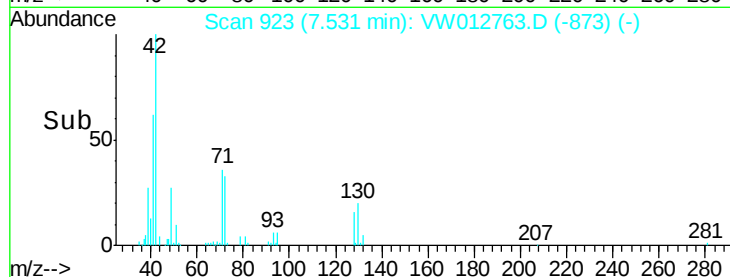
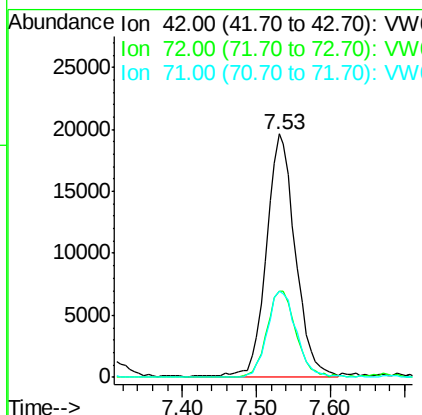
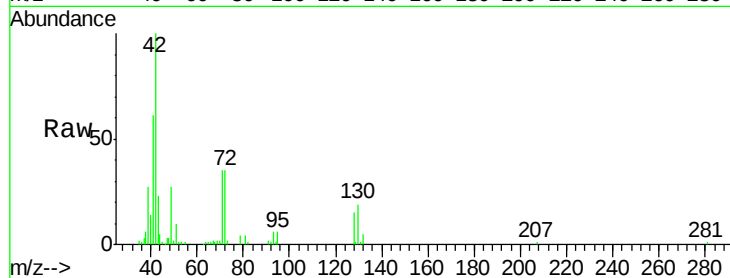
#29
Tetrahydrofuran
Concen: 90.012 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.4	42.6
71	35.7	27.1	40.7

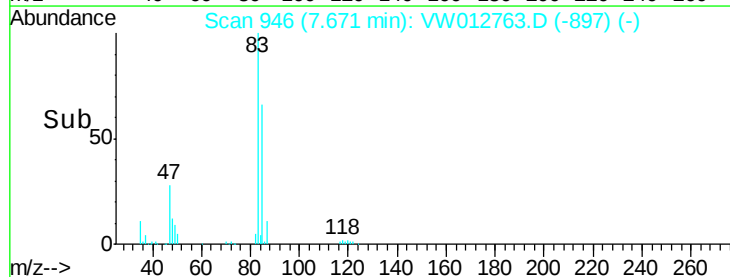
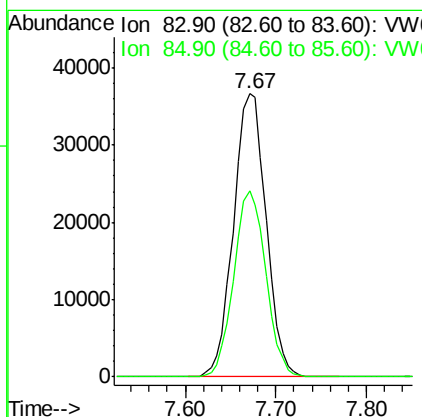
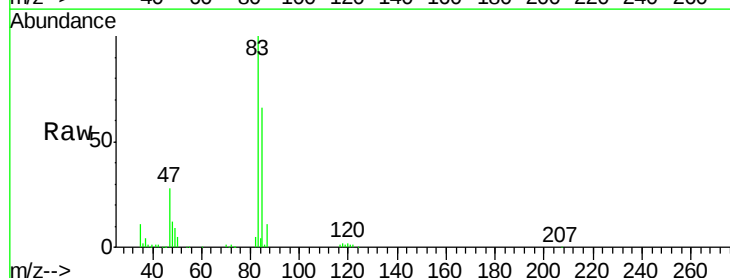
Manual Integrations
APPROVED

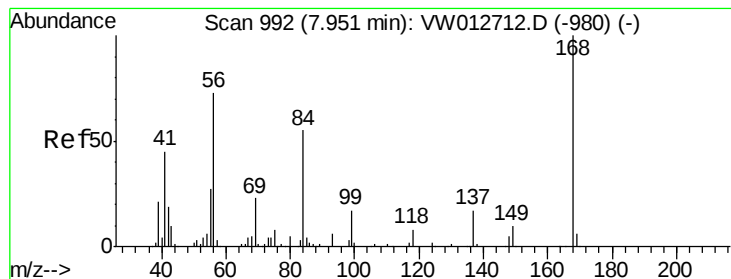
MMDadoda
9/9/2019 11:25:19 AM



#30
Chloroform
Concen: 21.248 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	76.0





#31

Cyclohexane

Concen: 21.242 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 56 Resp: 83076

Ion Ratio Lower Upper

56 100

69 38.4 25.7 38.5

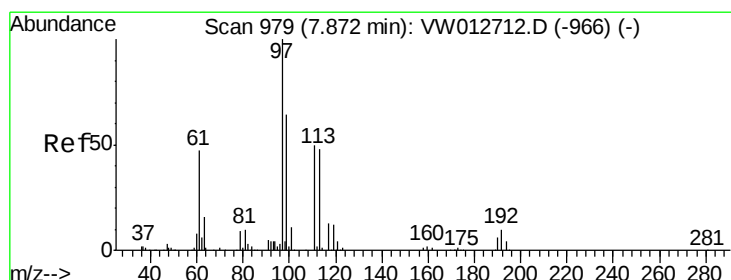
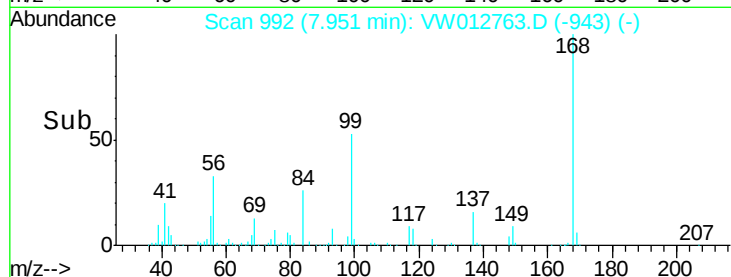
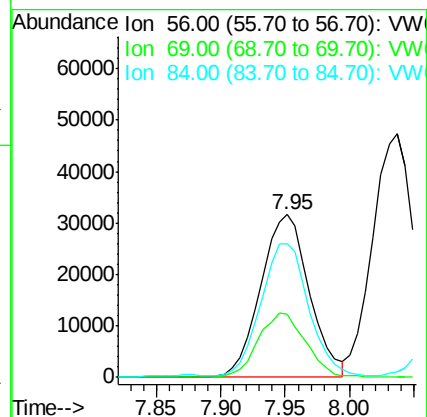
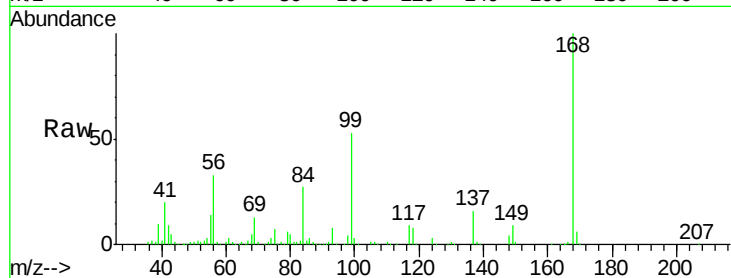
84 80.3 60.4 90.6

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#32

1,1,1-Trichloroethane

Concen: 21.430 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

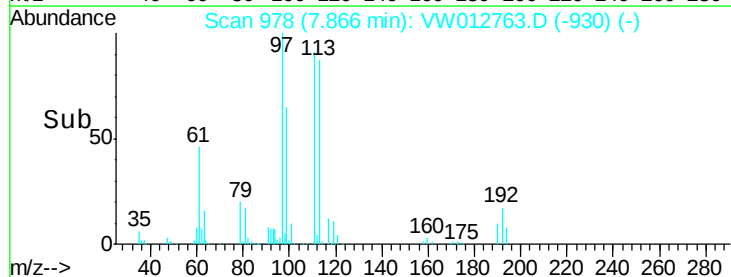
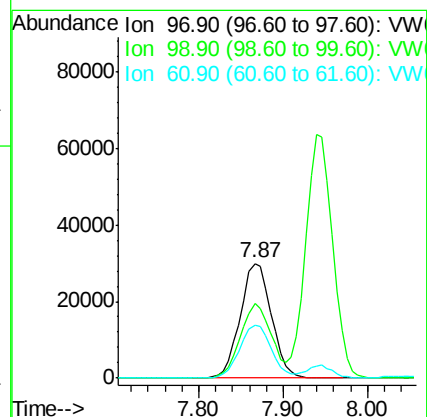
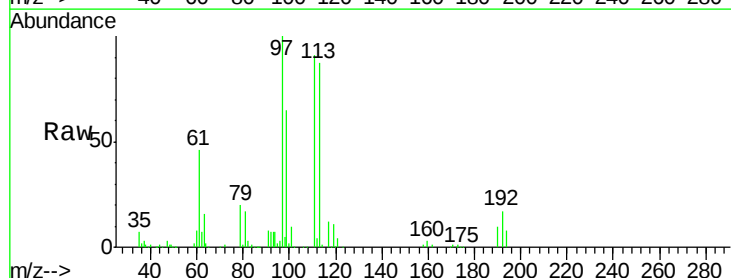
Tgt Ion: 97 Resp: 74788

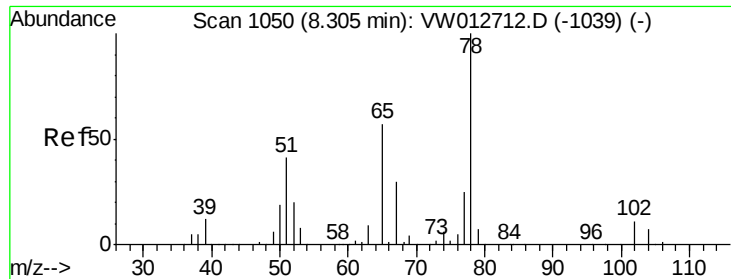
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 47.5 37.9 56.9





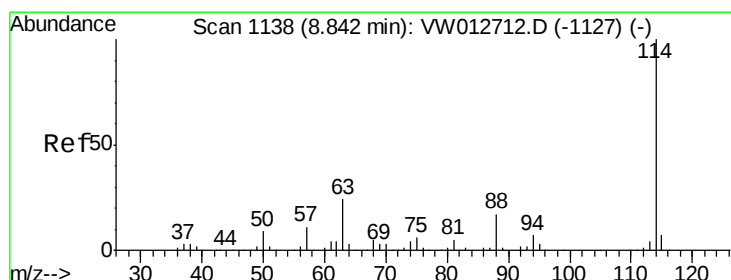
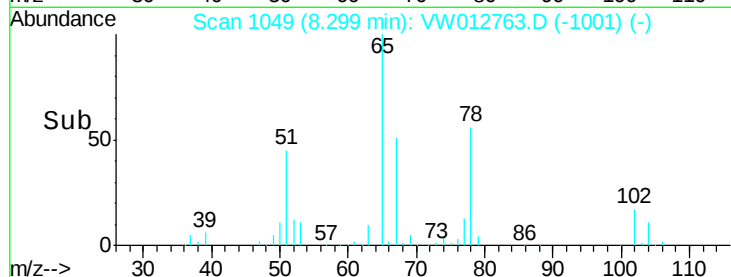
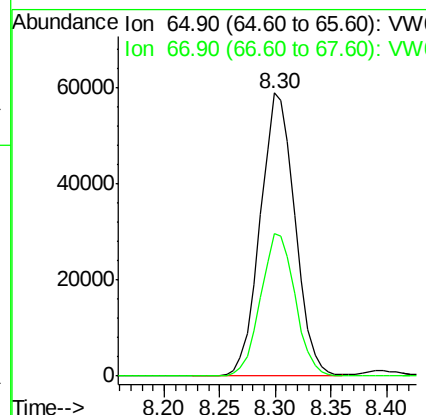
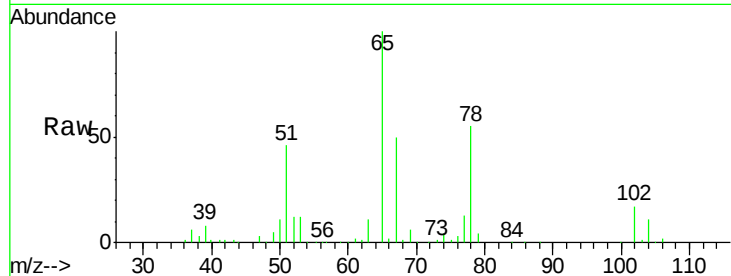
#33
 1,2-Dichloroethane-d4
 Concen: 48.240 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128349		
67	50.3	0.0	101.8	

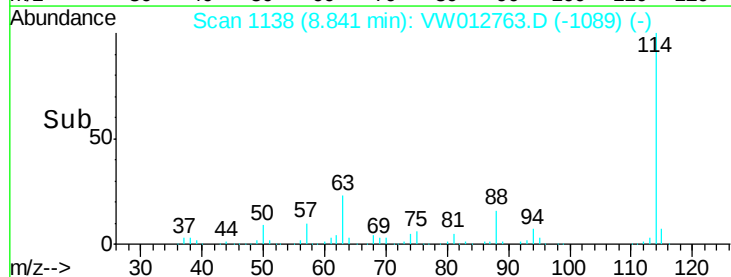
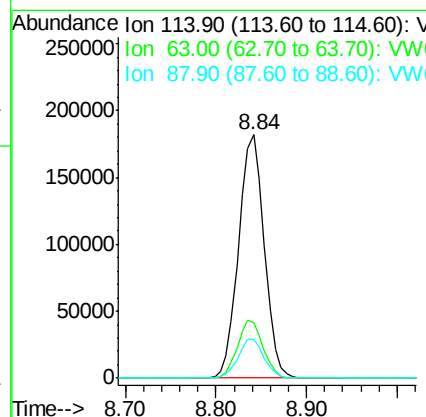
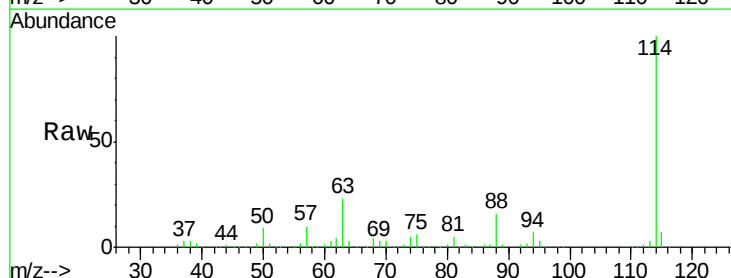
Manual Integrations
 APPROVED

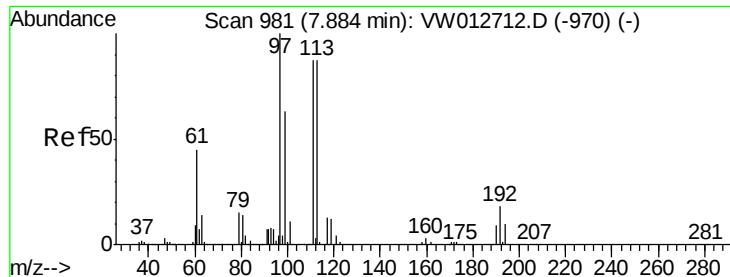
MMDadoda
 9/9/2019 11:25:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	356976		
63	22.9	0.0	47.2	
88	15.9	0.0	34.0	





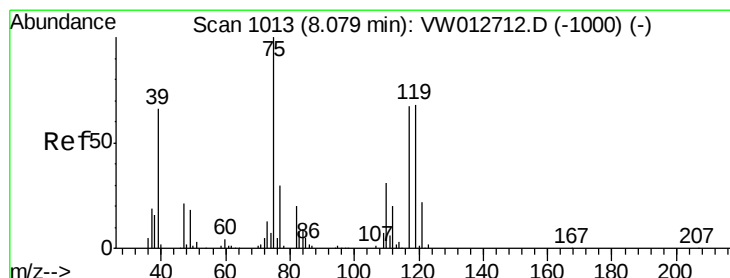
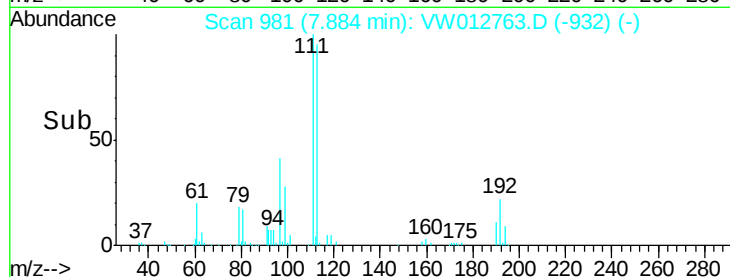
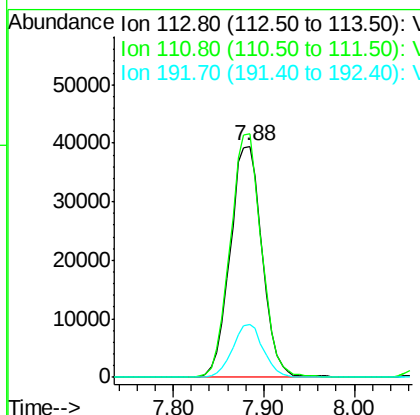
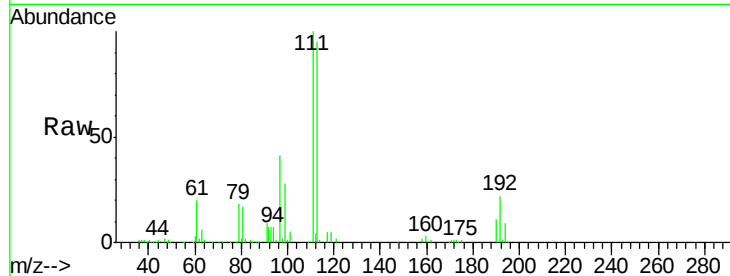
#35
 Dibromofluoromethane
 Concen: 45.438 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.2	120.4
192	22.0	17.3	25.9

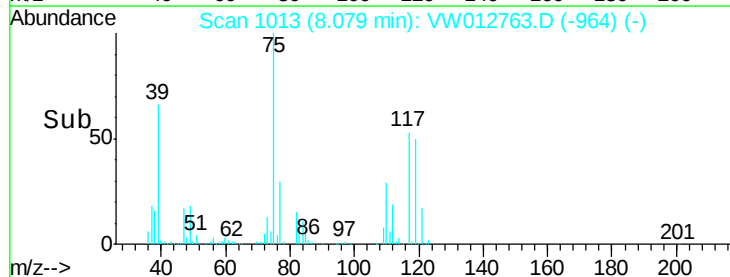
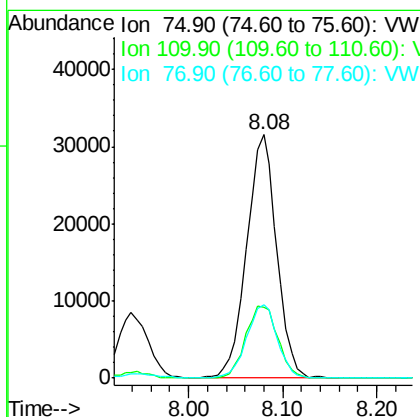
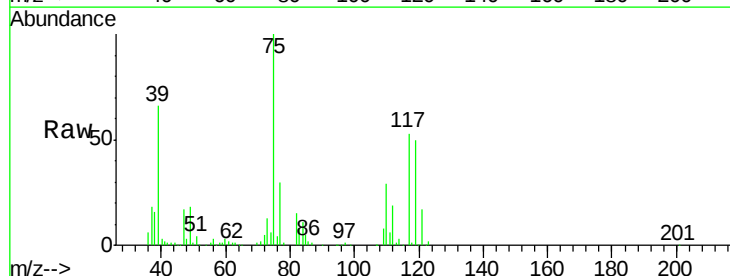
Manual Integrations
 APPROVED

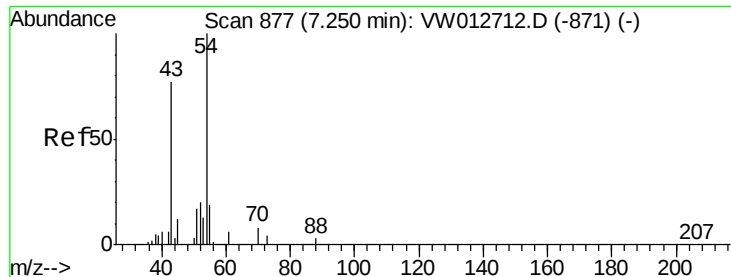
MMDadoda
 9/9/2019 11:25:19 AM



#36
 1,1-Dichloropropene
 Concen: 22.184 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	15.9	47.7
77	31.2	25.0	37.4





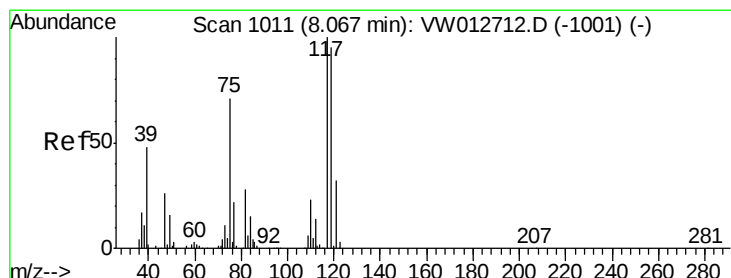
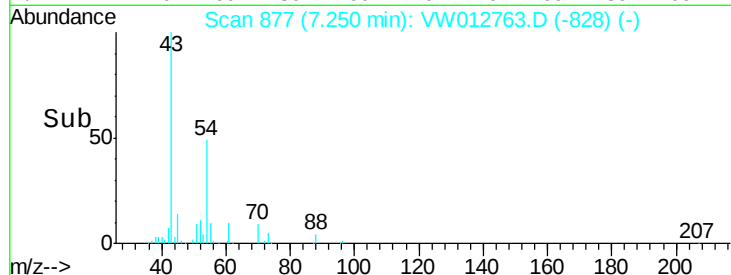
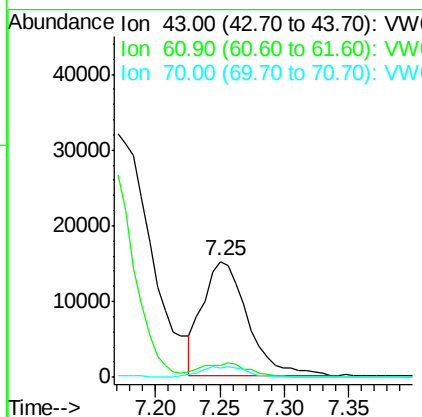
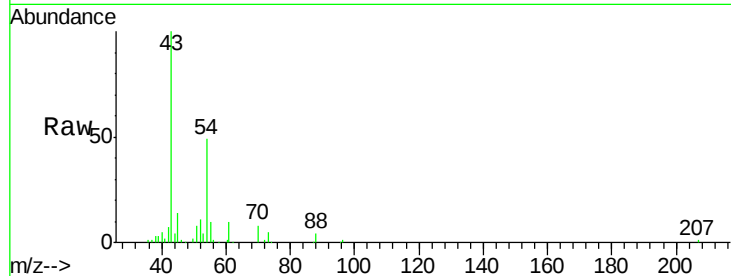
#37
Ethyl Acetate
Concen: 18.212 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	43	Resp	36824
Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.5	14.3
70	9.8	7.0	10.6

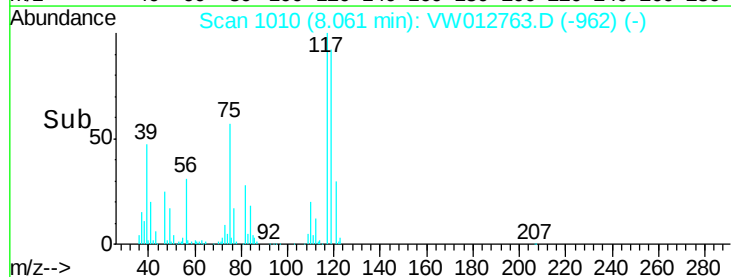
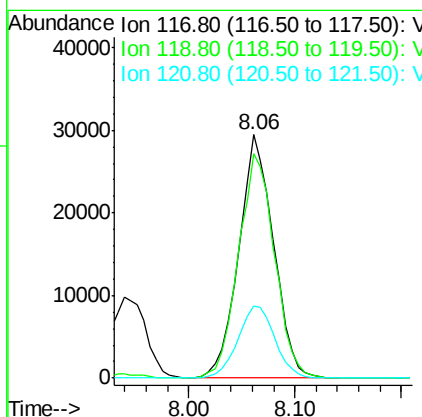
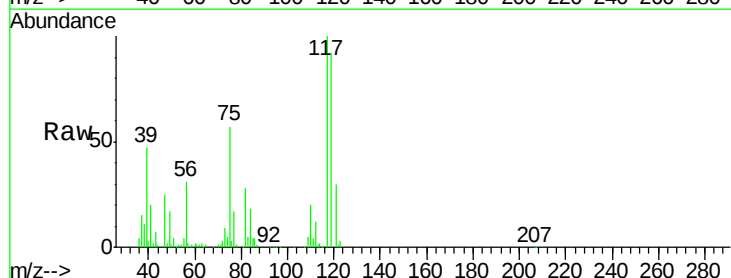
Manual Integrations
APPROVED

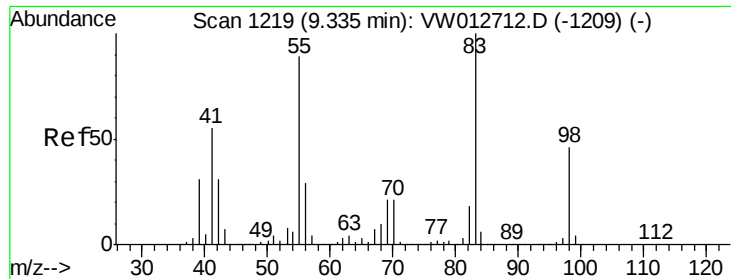
MMDadoda
9/9/2019 11:25:19 AM



#38
Carbon Tetrachloride
Concen: 21.607 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	117	Resp	67556
Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.2	114.2
121	29.6	25.4	38.2





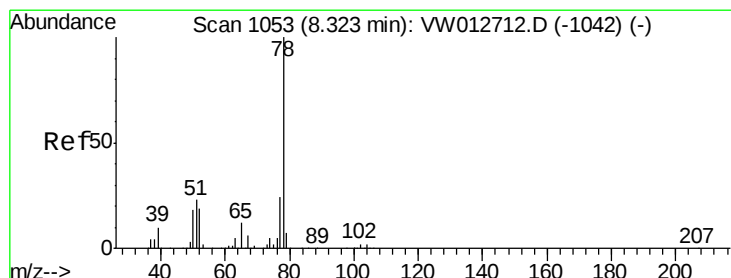
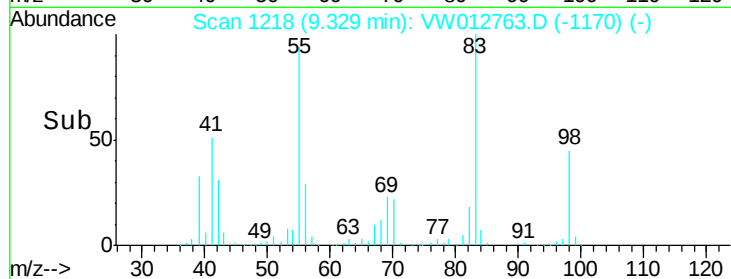
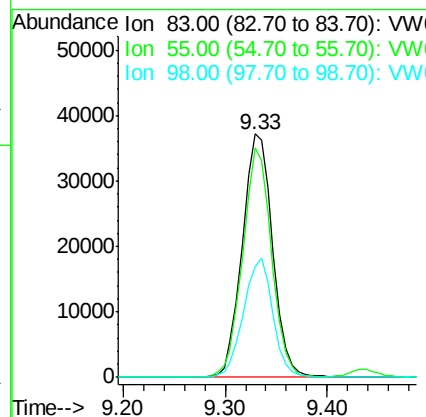
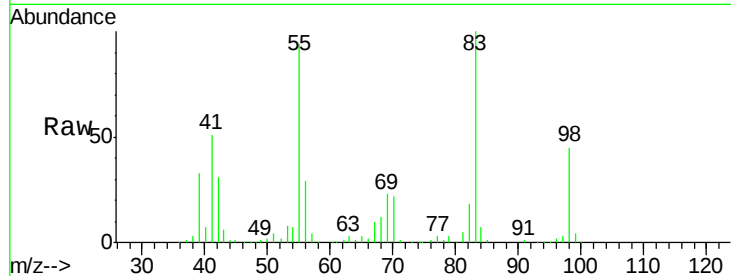
#39
Methvlcvclohexane
Concen: 21.520 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.0	71.0	106.4
98	45.1	36.9	55.3

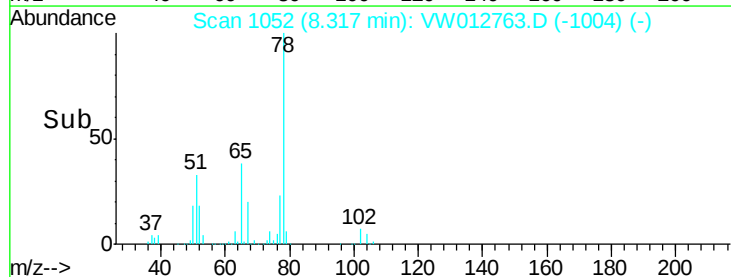
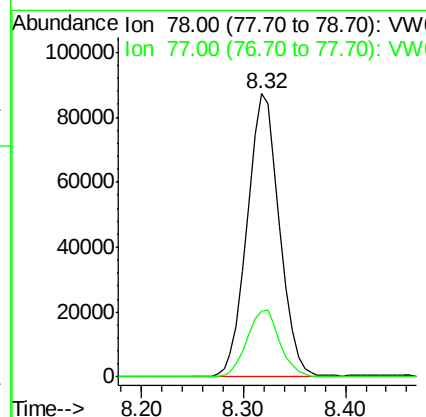
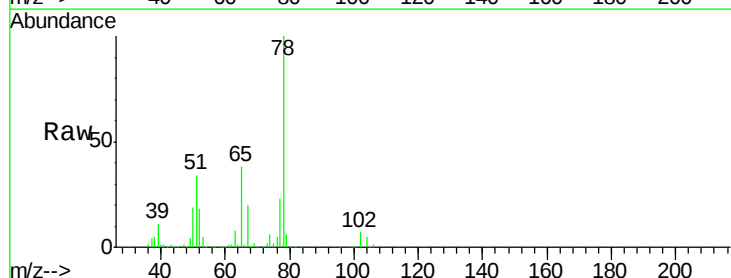
Manual Integrations
APPROVED

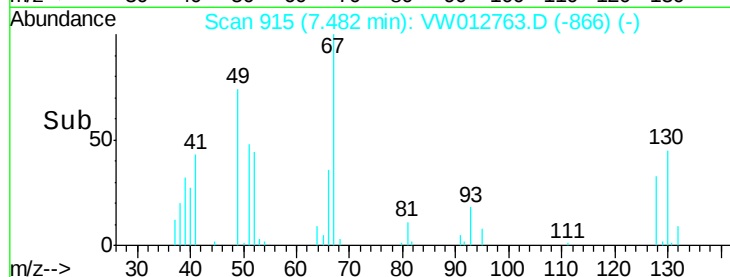
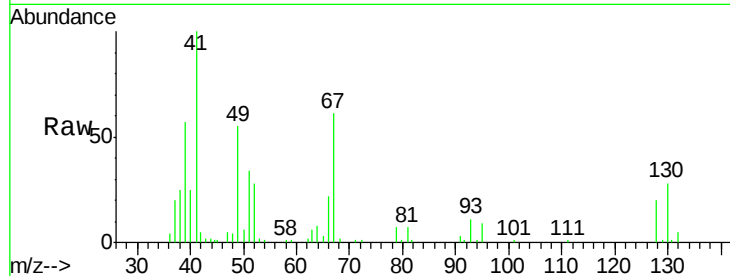
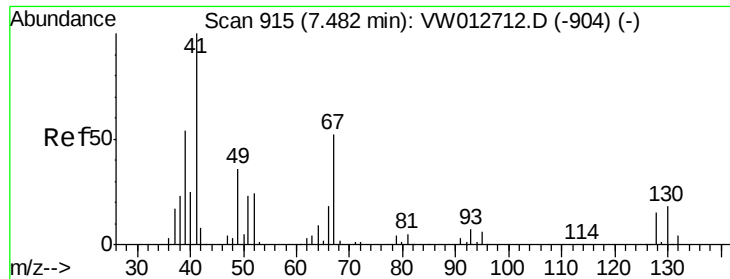
MMDadoda
9/9/2019 11:25:19 AM



#40
Benzene
Concen: 21.853 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





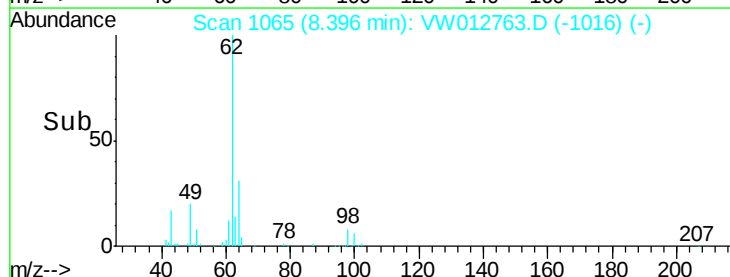
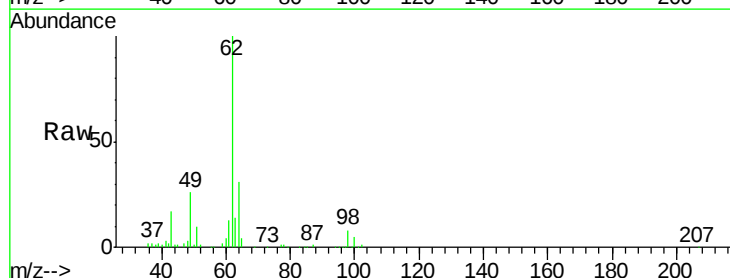
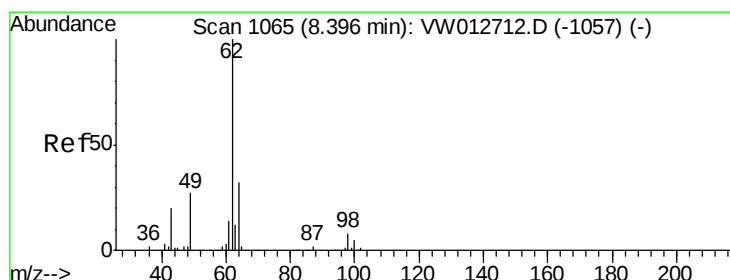
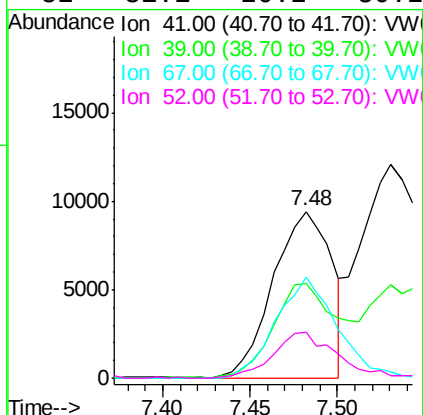
#41
Methacrylonitrile
Concen: 18.599 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	47.5	71.3
67	63.7	45.1	67.7
52	31.1	20.2	30.2

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

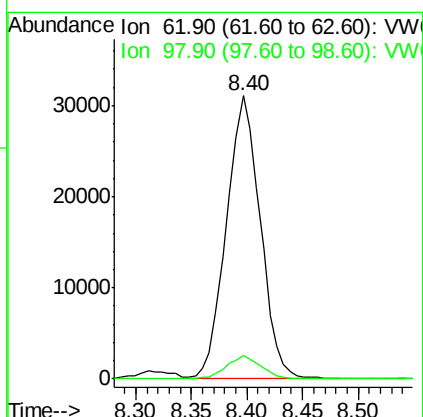
Manual Integrations
APPROVED

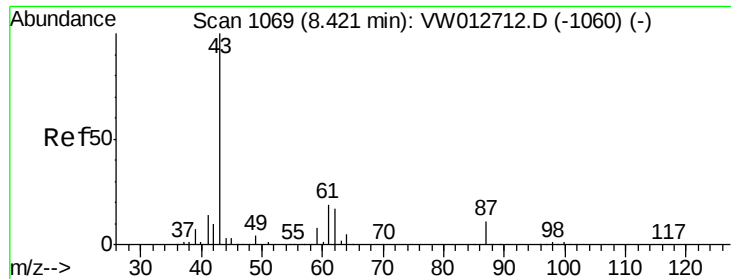
MMDadoda
9/9/2019 11:25:19 AM



#42
1,2-Dichloroethane
Concen: 21.116 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.099 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

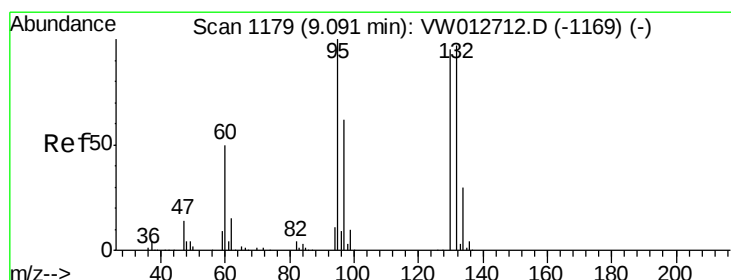
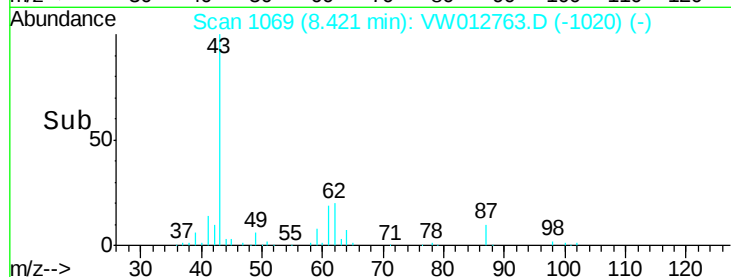
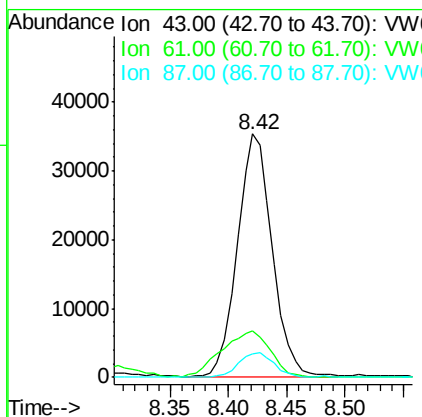
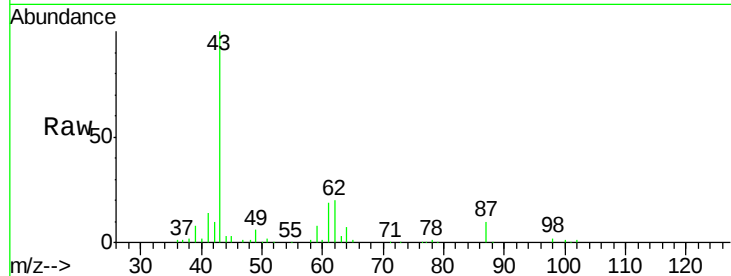
ClientSampleId :

VW0908SBS01

Tot Ion:	43	Resp:	73161
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.6	30.8
87	10.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#44

Trichloroethene

Concen: 21.532 ug/l

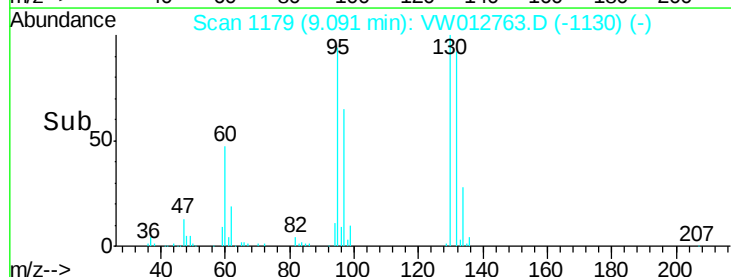
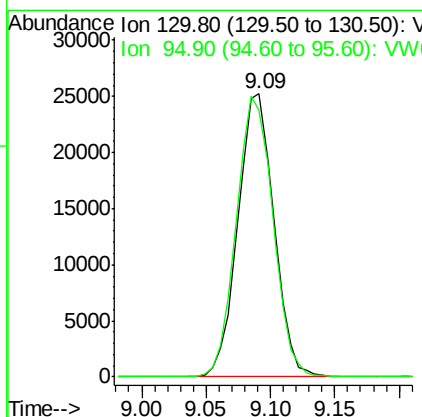
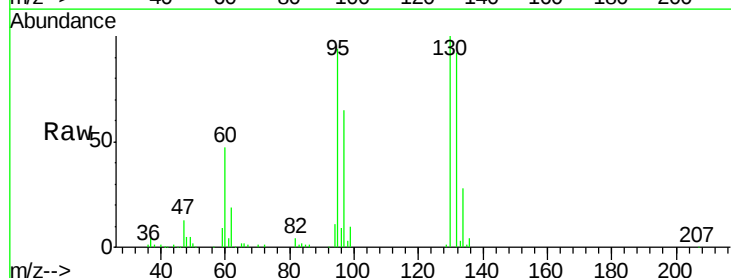
RT: 9.09 min Scan# 1179

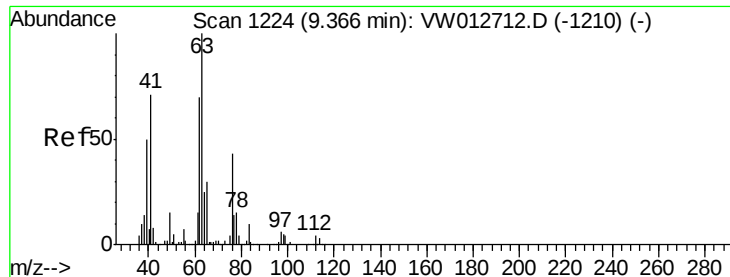
Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	130	Resp:	48845
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	210.6





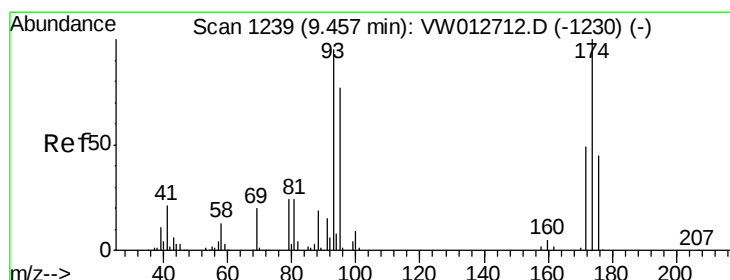
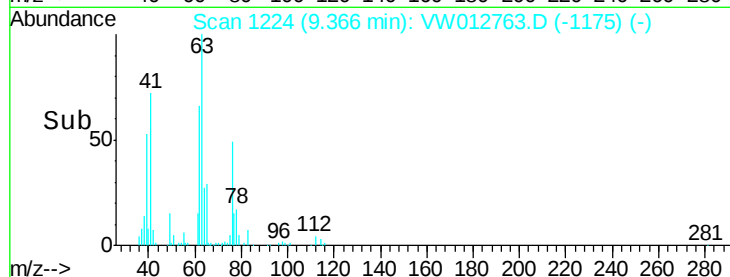
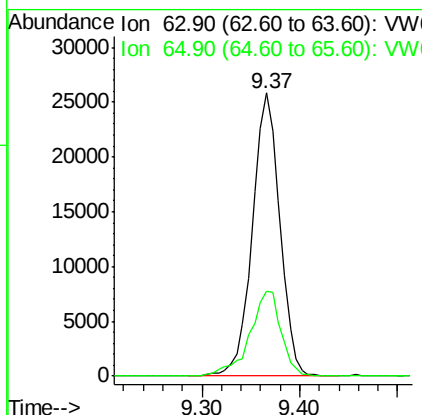
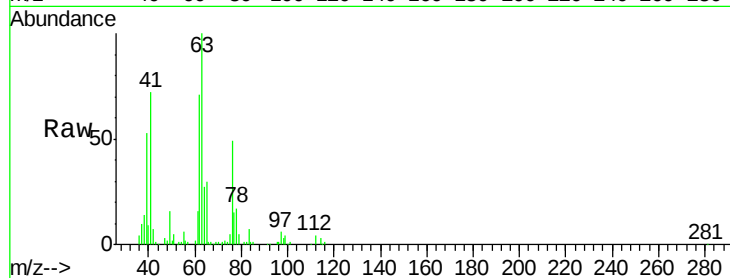
#45
 1,2-Dichloropropane
 Concen: 20.608 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	63	Resp	50300
Ion Ratio	Lower	Upper	
63	100		
65	30.0	23.8	35.8

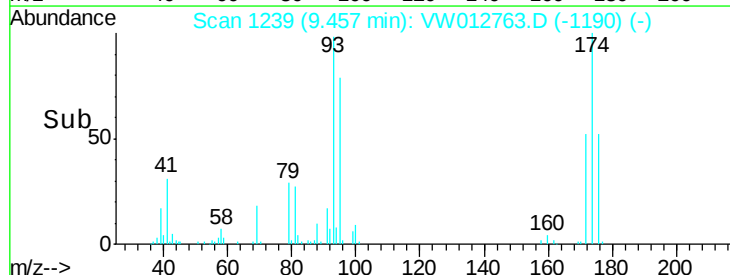
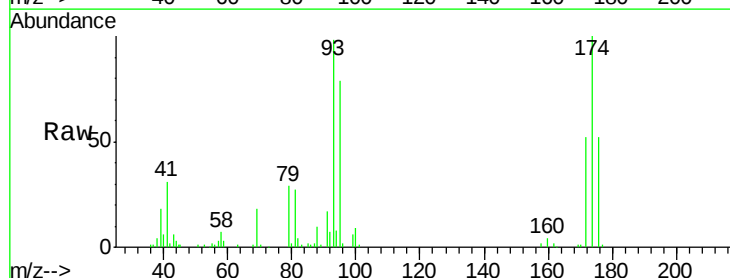
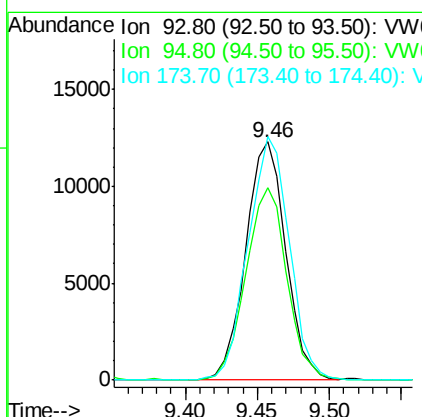
Manual Integrations
 APPROVED

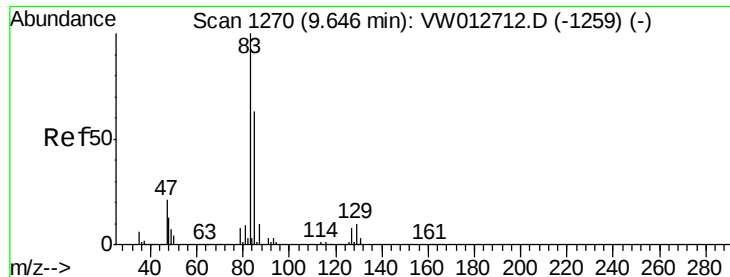
MMDadoda
 9/9/2019 11:25:19 AM



#46
 Dibromomethane
 Concen: 20.468 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	93	Resp	23657
Ion Ratio	Lower	Upper	
93	100		
95	82.7	65.2	97.8
174	105.2	84.2	126.4





#47

Bromodichloromethane

Concen: 20.295 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

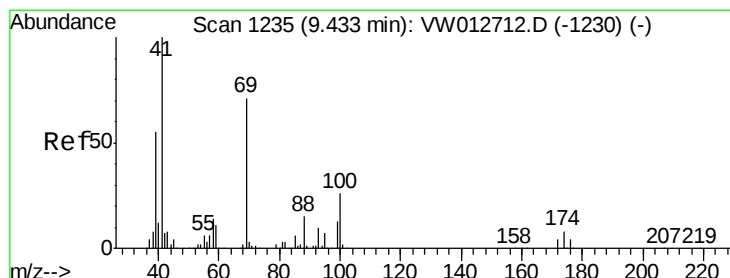
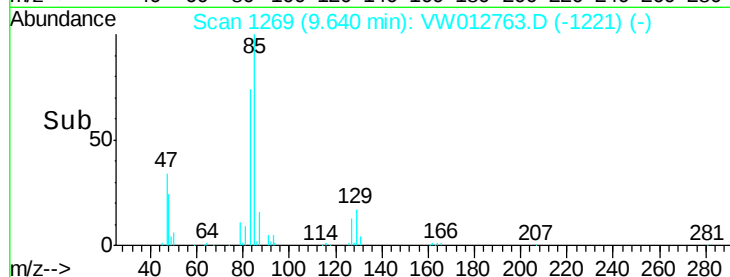
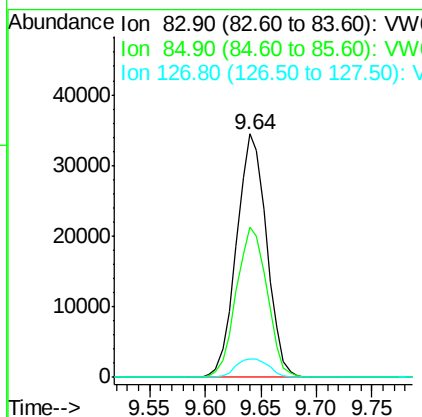
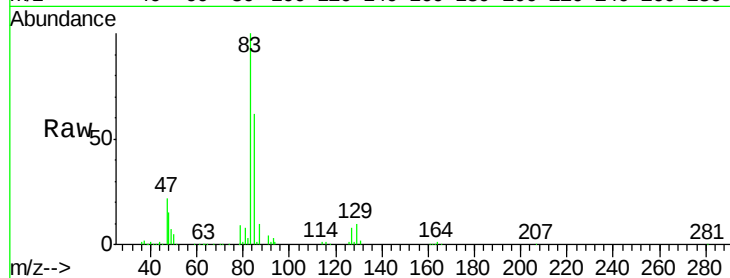
ClientSampleId :

VW0908SBS01

Tot Ion:	83	Resp:	64537
Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.2	75.2
127	7.8	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#48

Methyl methacrylate

Concen: 18.423 ug/l

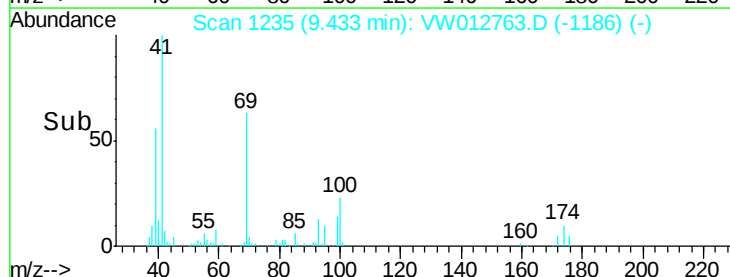
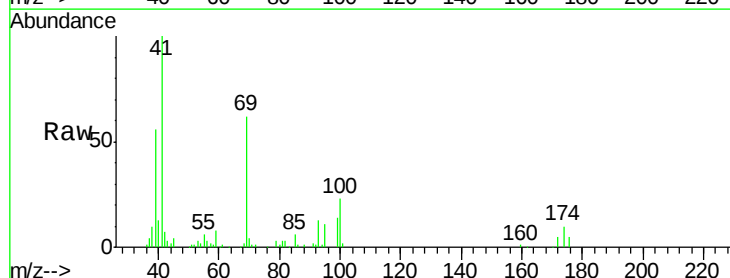
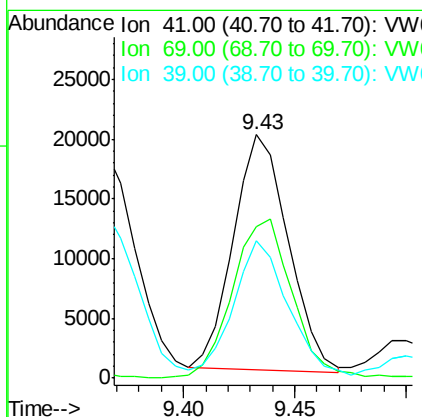
RT: 9.43 min Scan# 1235

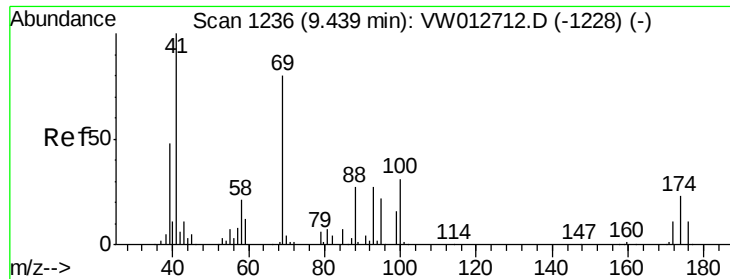
Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	41	Resp:	33726
Ion	Ratio	Lower	Upper
41	100		
69	74.7	59.8	89.8
39	58.3	47.0	70.6





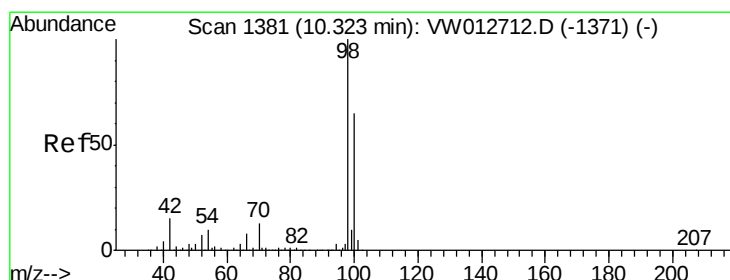
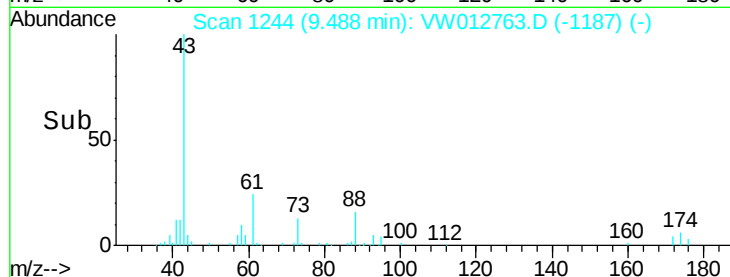
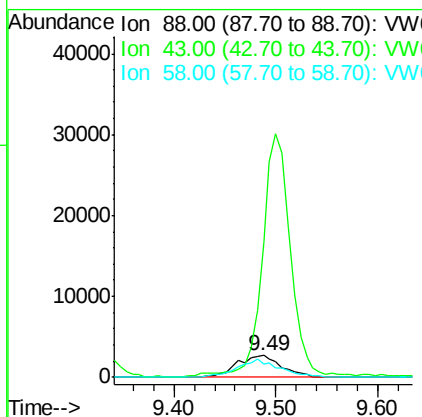
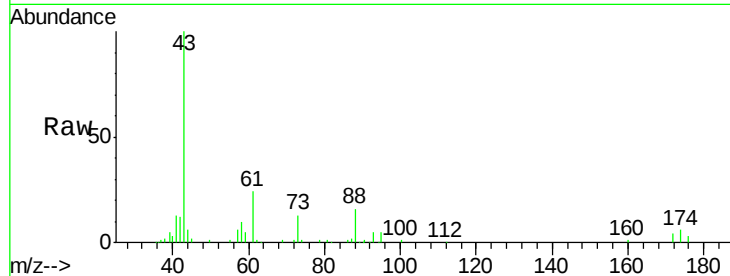
#49
1,4-Dioxane
Concen: 363.243 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.05 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion: 88 Resp: 8293
Ion Ratio Lower Upper
88 100
43 715.9 34.8 52.2#
58 81.0 64.1 96.1

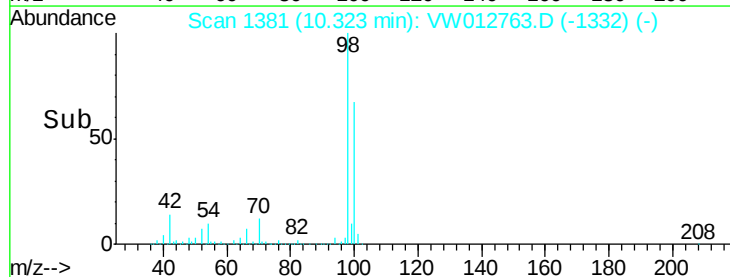
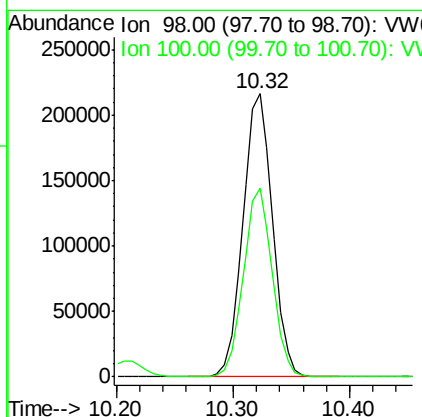
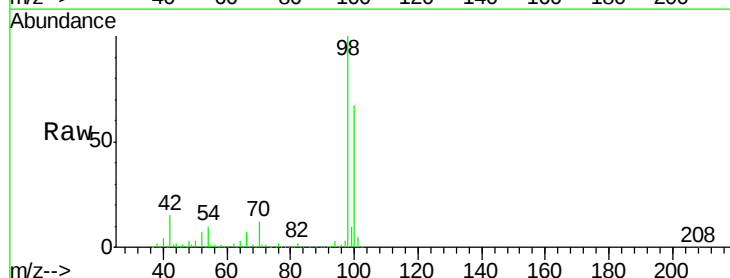
Manual Integrations
APPROVED

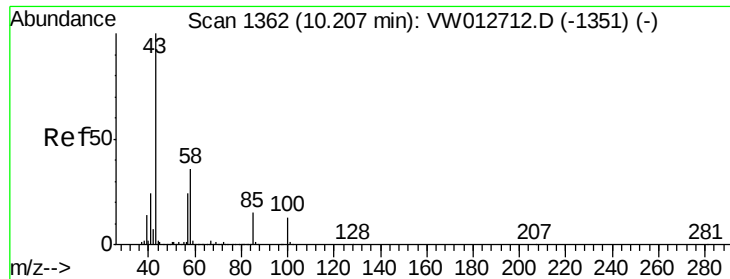
MMDadoda
9/9/2019 11:25:19 AM



#50
Toluene-d8
Concen: 46.052 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 98 Resp: 382908
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 89.293 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 43 Resp: 179486

Ion Ratio Lower Upper

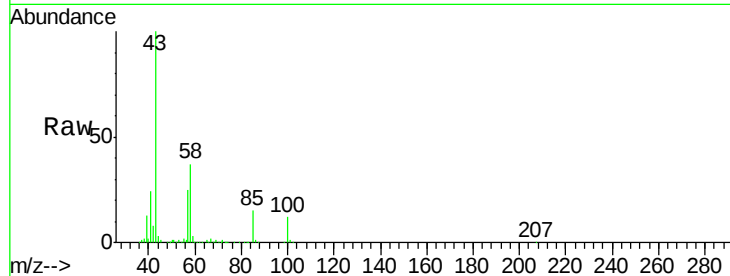
43 100

58 36.1 28.4 42.6

Manual Integrations
APPROVED

MMDadoda

9/9/2019 11:25:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

120000

100000

80000

60000

40000

20000

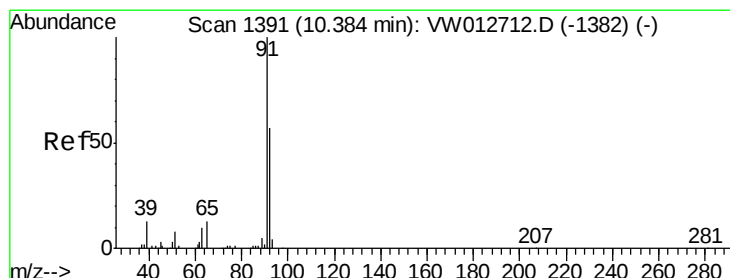
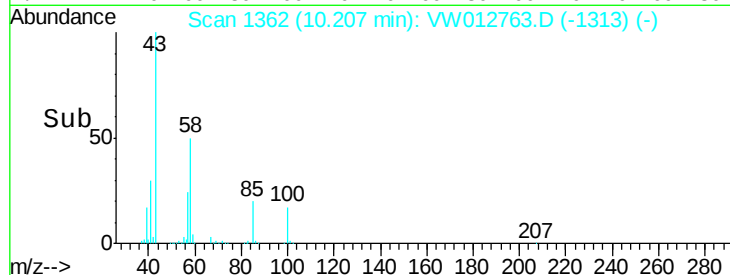
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 20.906 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012763.D

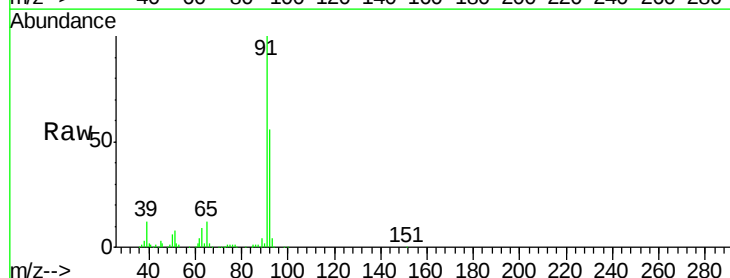
Acq: 08 Sep 2019 12:35

Tgt Ion: 92 Resp: 114827

Ion Ratio Lower Upper

92 100

91 172.7 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

100000

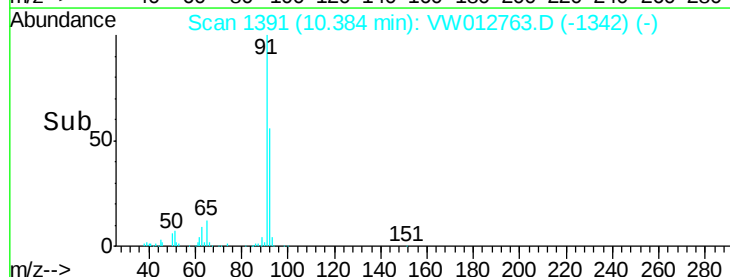
50000

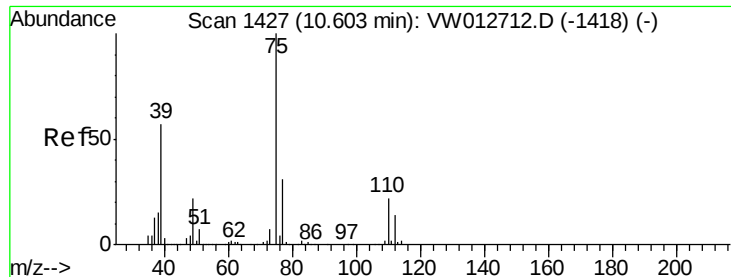
0

10.30

10.40

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.093 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 75 Resp: 65700

Ion Ratio Lower Upper

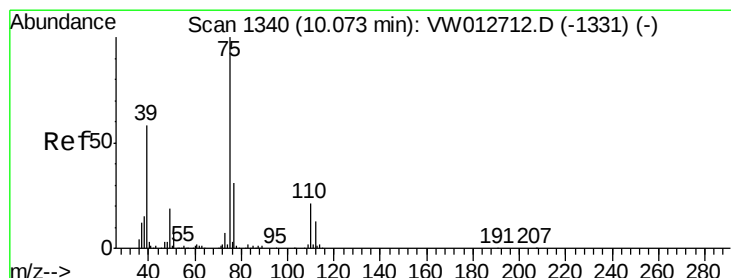
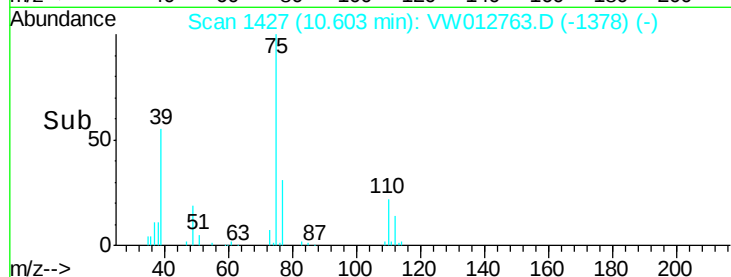
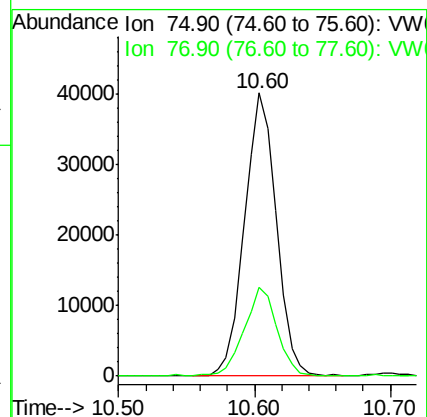
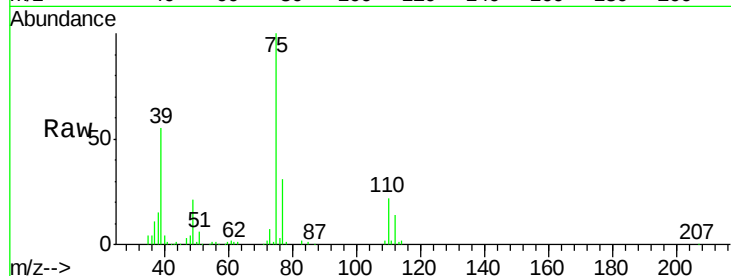
75 100

77 31.2 24.7 37.1

Manual Integrations
APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#54

cis-1,3-Dichloropropene

Concen: 19.743 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

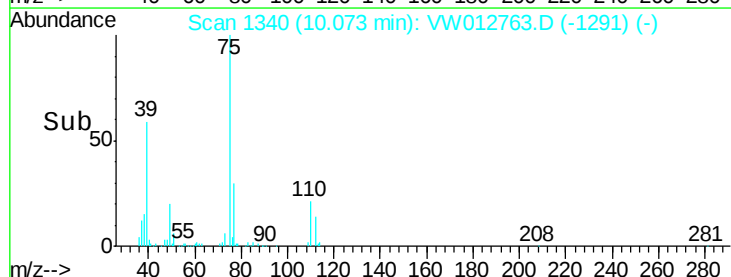
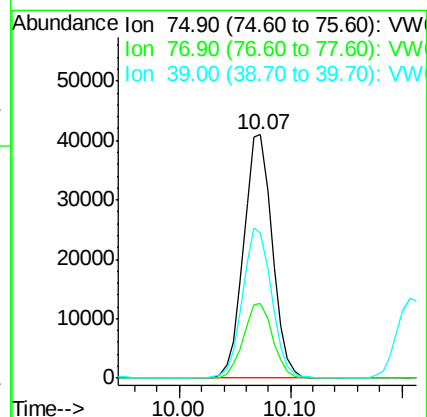
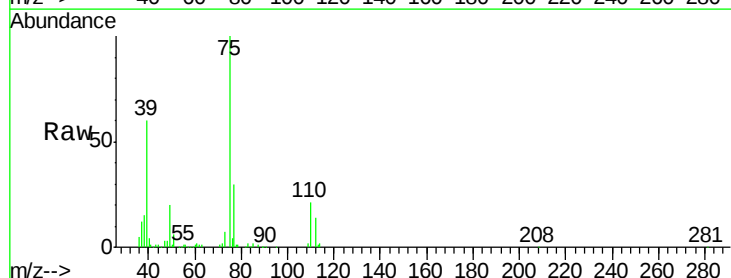
Tgt Ion: 75 Resp: 73233

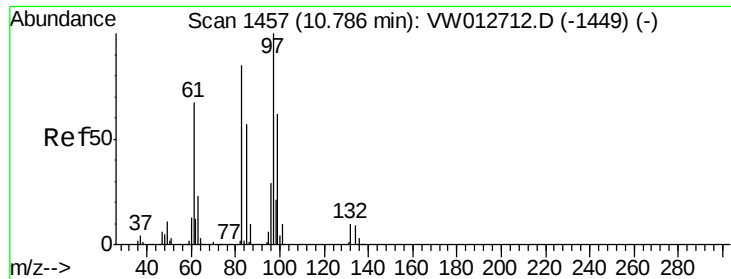
Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 59.4 46.3 69.5





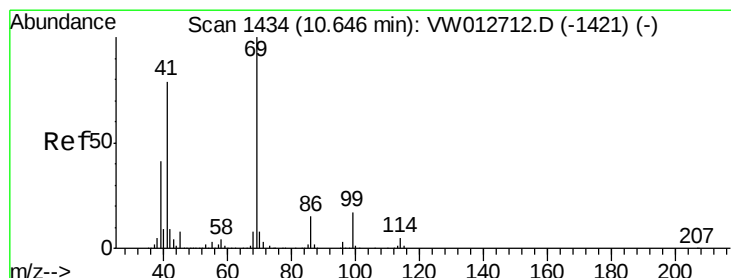
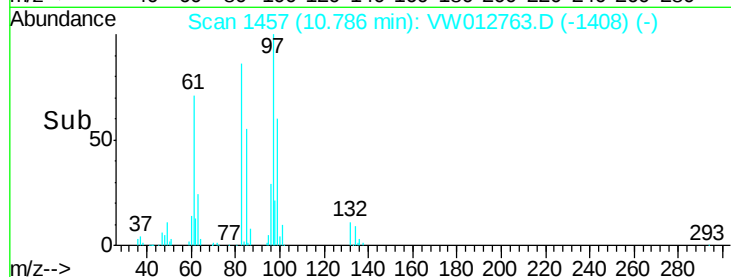
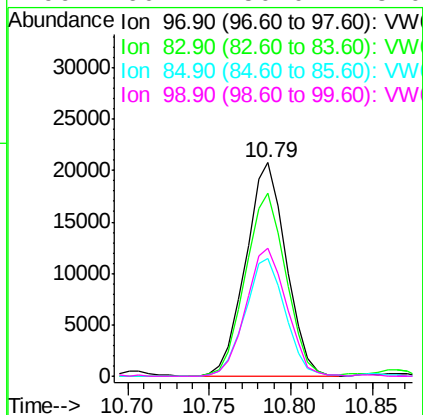
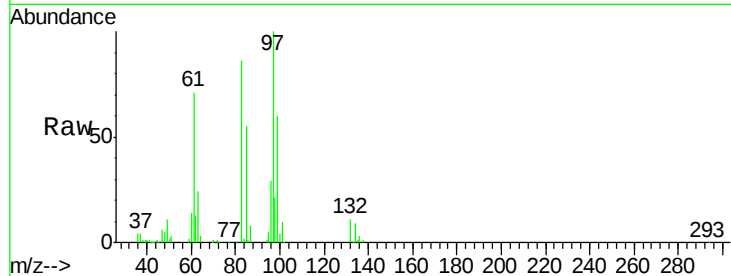
#55
 1,1,2-Trichloroethane
 Concen: 20.717 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion:	97	Resp:	35848
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.1	102.1
85	55.0	45.3	67.9
99	60.2	50.0	75.0

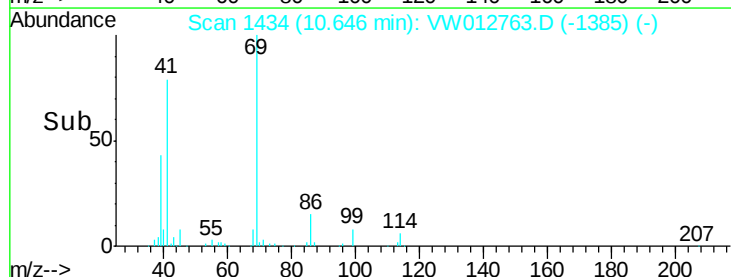
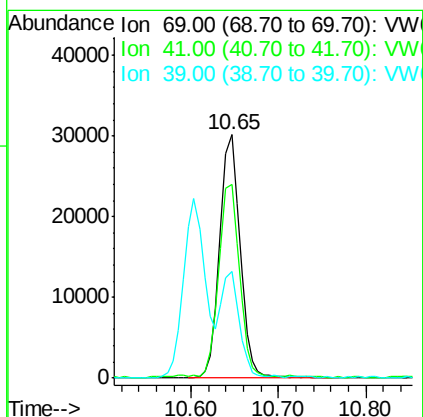
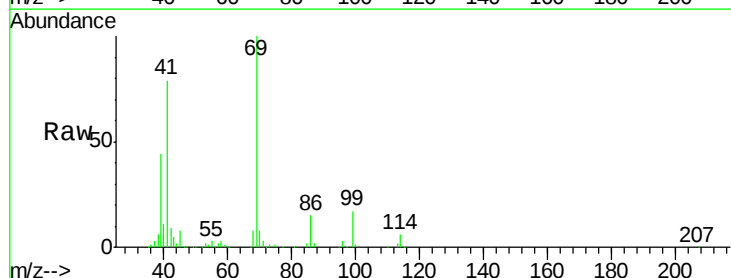
Manual Integrations
 APPROVED

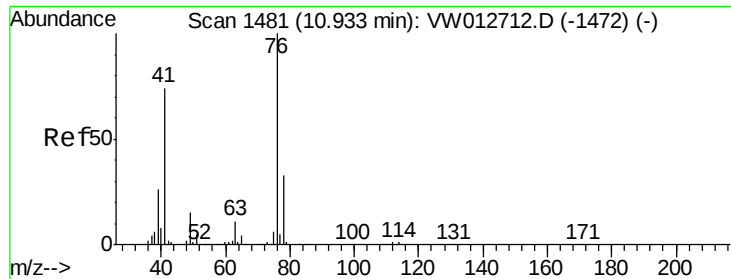
MMDadoda
 9/9/2019 11:25:19 AM



#56
 Ethyl methacrylate
 Concen: 19.403 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion:	69	Resp:	49146
Ion	Ratio	Lower	Upper
69	100		
41	79.4	64.4	96.6
39	38.6	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.273 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion: 76 Resp: 64898

Ion Ratio Lower Upper

76 100

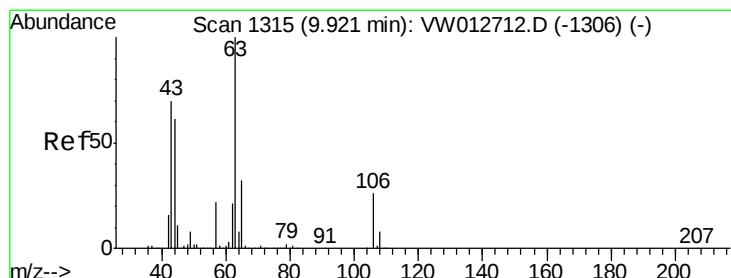
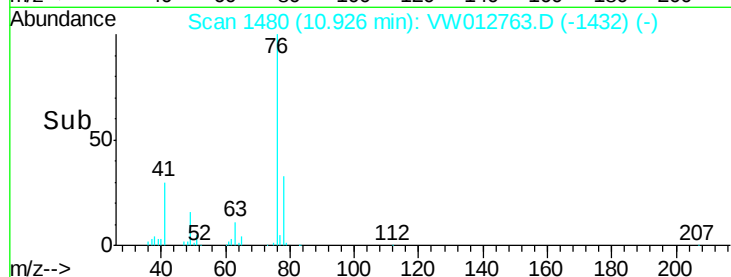
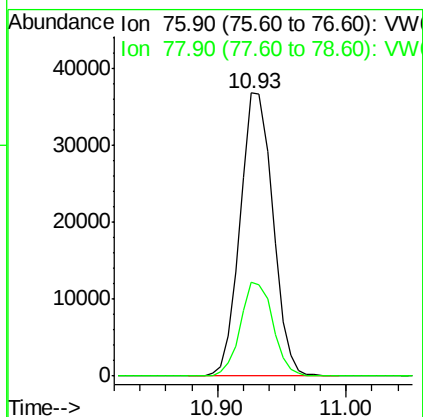
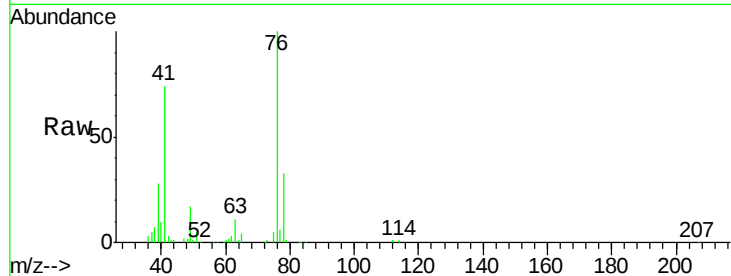
78 33.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 90.781 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012763.D

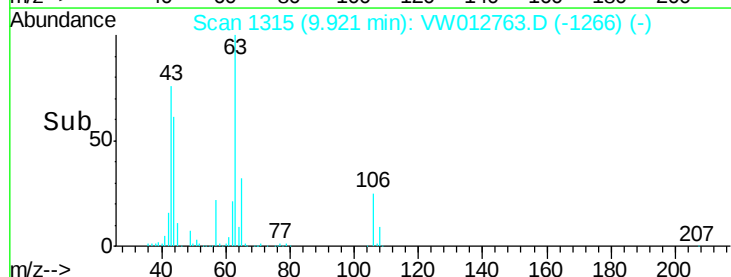
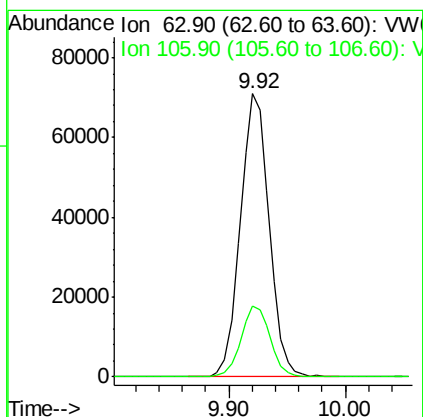
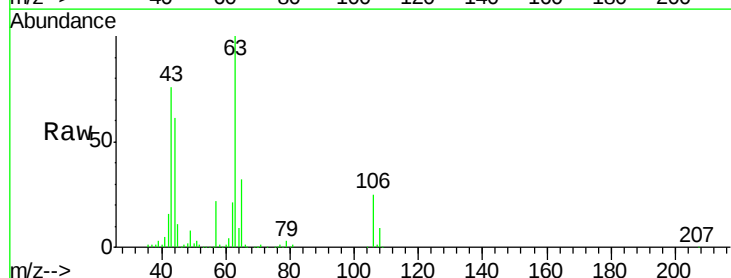
Acq: 08 Sep 2019 12:35

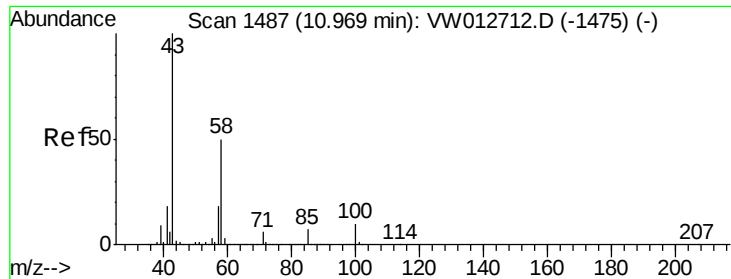
Tgt Ion: 63 Resp: 122072

Ion Ratio Lower Upper

63 100

106 25.3 20.5 30.7





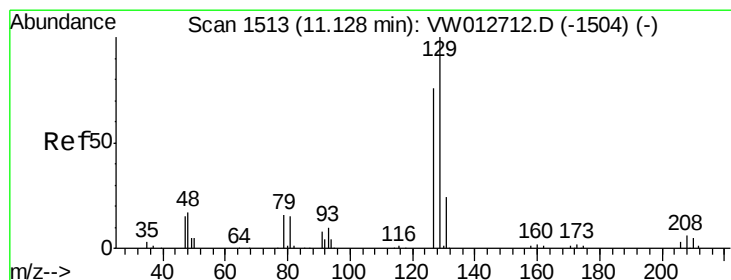
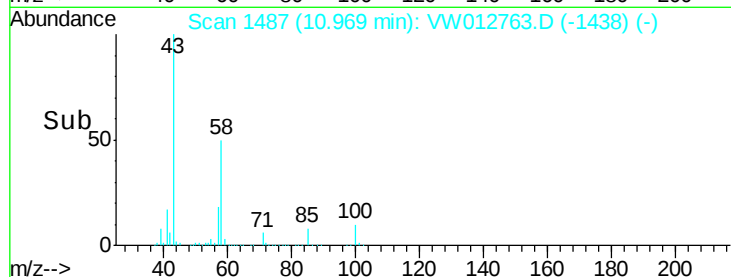
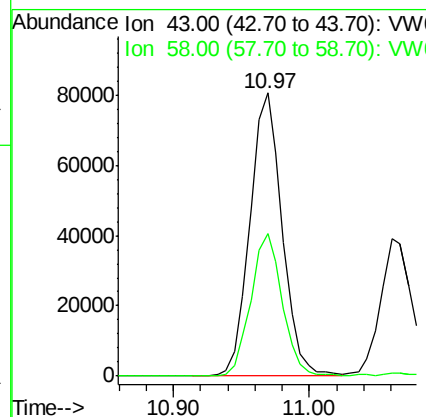
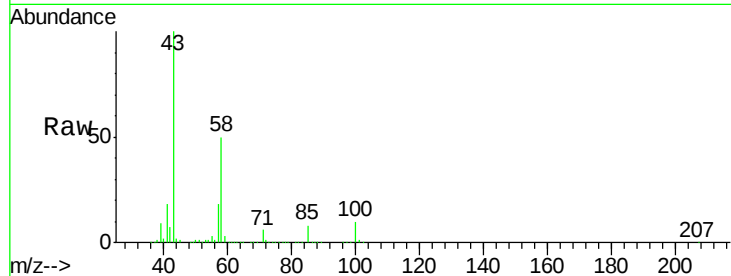
#59
2-Hexanone
Concen: 90.878 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion: 43 Resp: 133457
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1

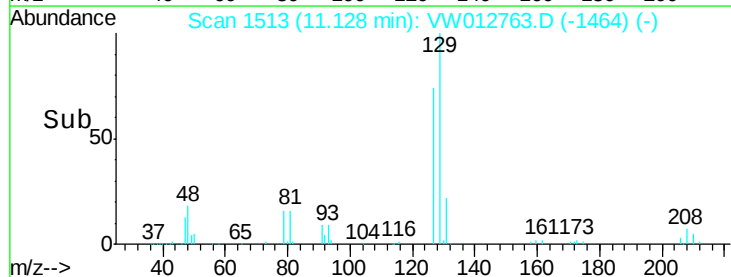
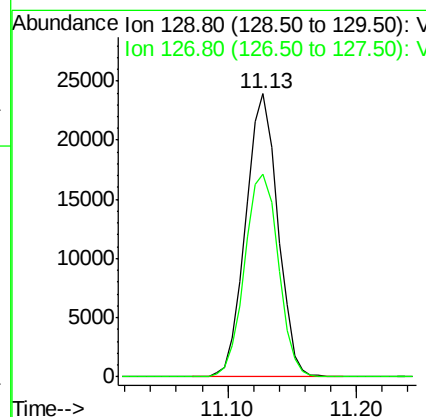
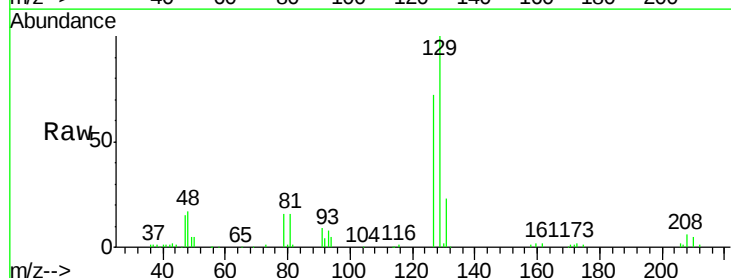
Manual Integrations
APPROVED

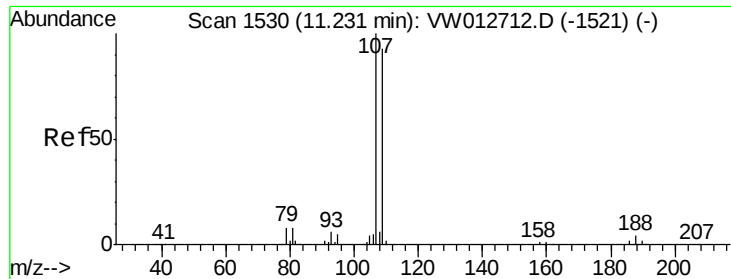
MMDadoda
9/9/2019 11:25:19 AM



#60
Dibromochloromethane
Concen: 20.185 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion: 129 Resp: 41077
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.8





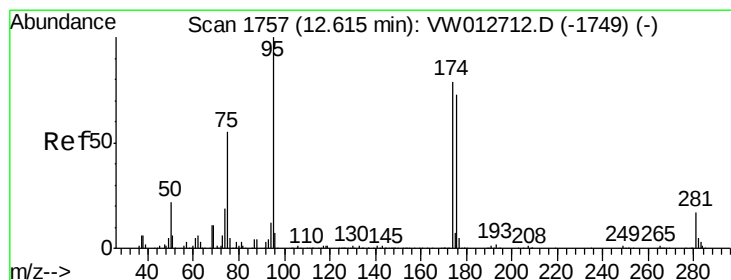
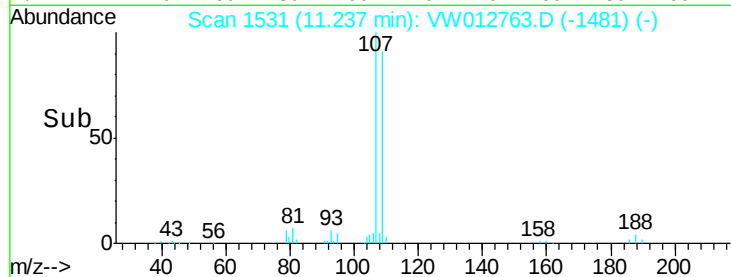
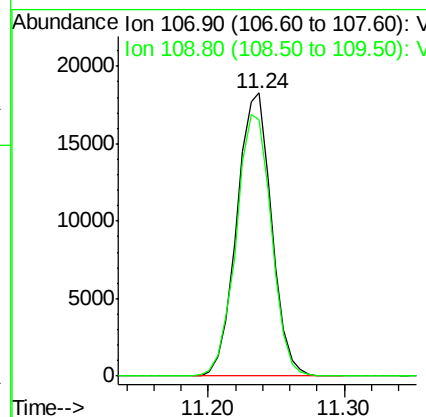
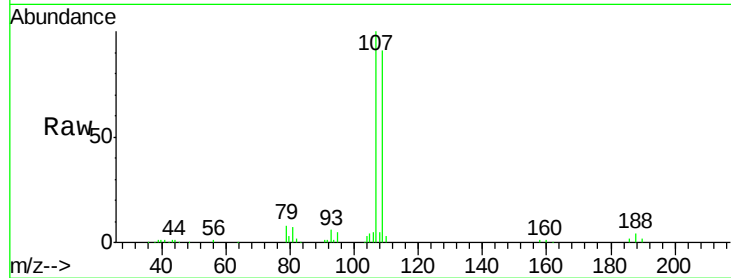
#61
 1,2-Dibromoethane
 Concen: 20.424 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

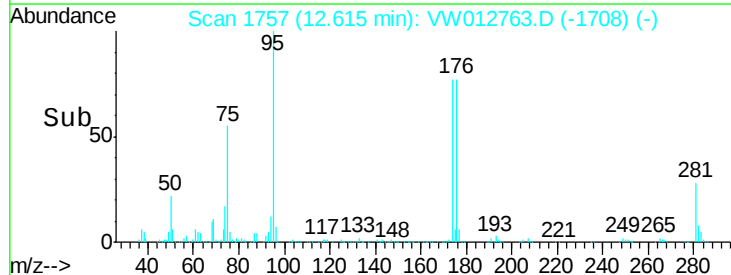
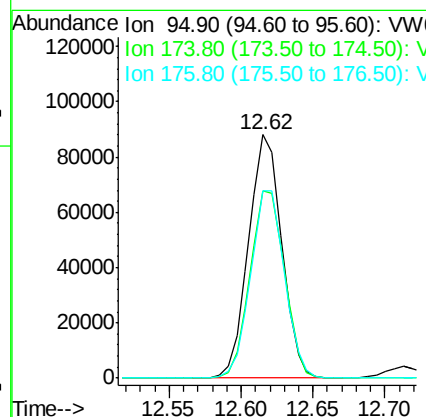
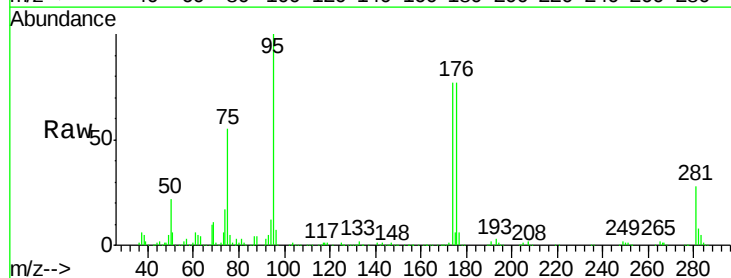
Manual Integrations
 APPROVED

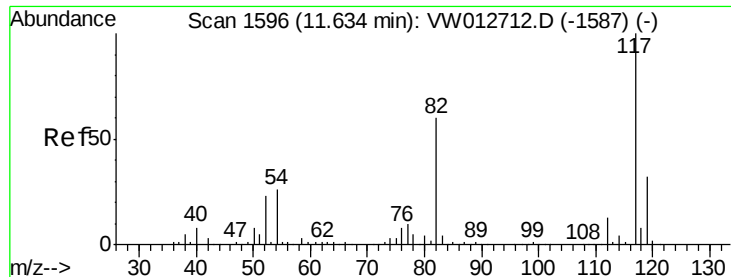
MMDadoda
 9/9/2019 11:25:19 AM



#62
 4-Bromofluorobenzene
 Concen: 46.570 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	161.0
176	78.6	0.0	156.4





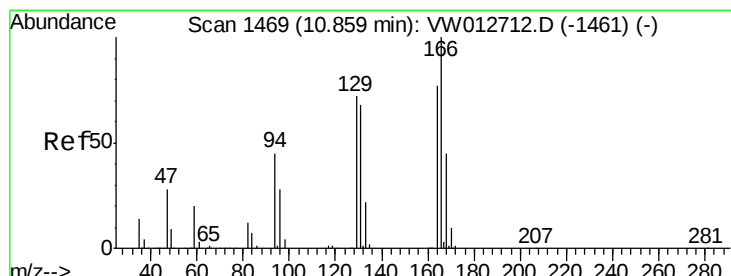
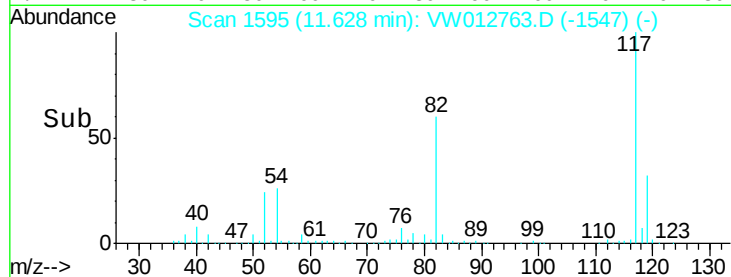
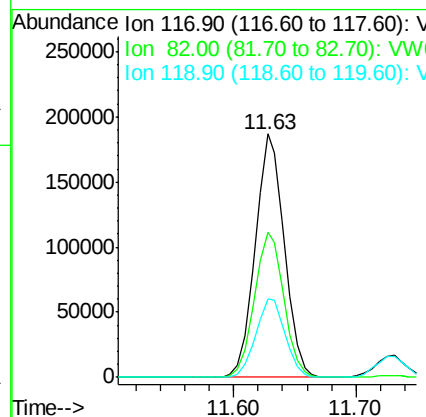
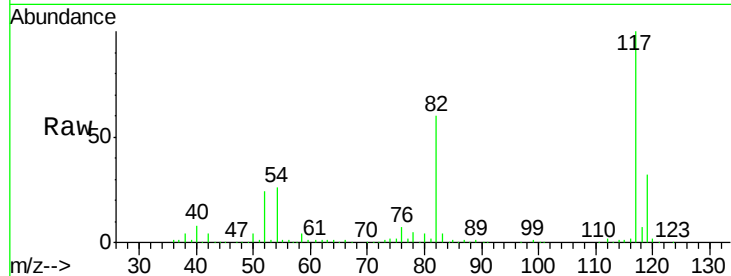
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.2	72.4
119	32.4	25.8	38.6

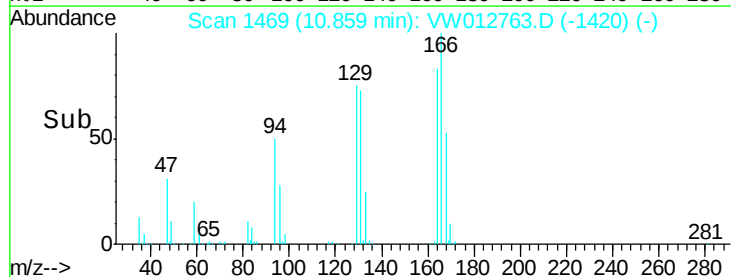
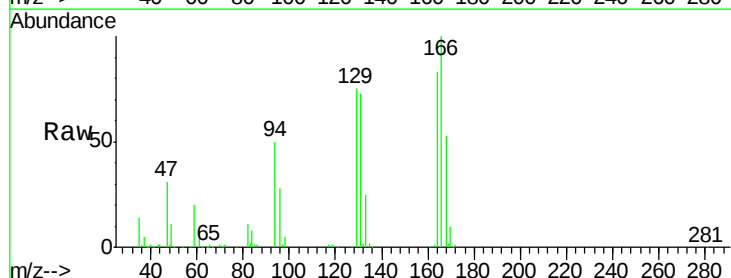
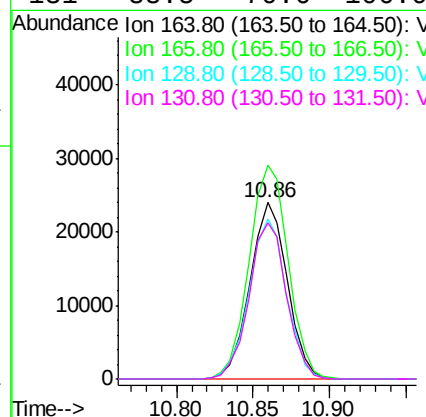
Manual Integrations
APPROVED

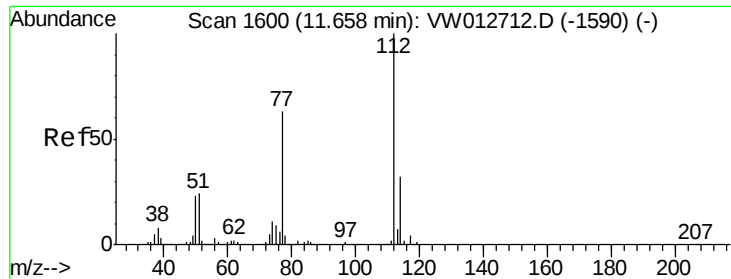
MMDadoda
9/9/2019 11:25:19 AM



#64
Tetrachloroethene
Concen: 21.767 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	103.6	155.4
129	90.9	74.6	112.0
131	88.5	70.6	106.0





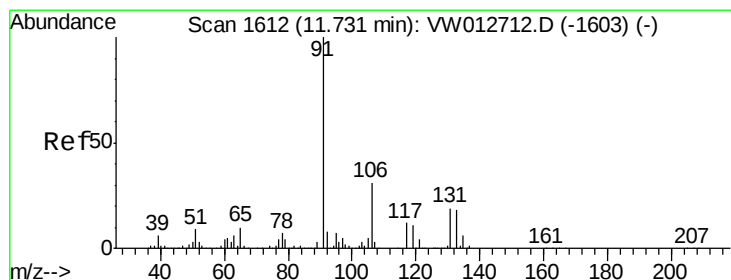
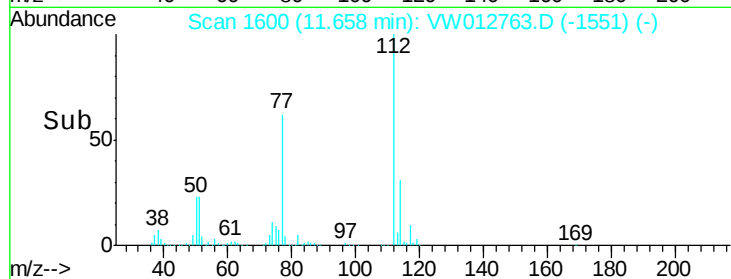
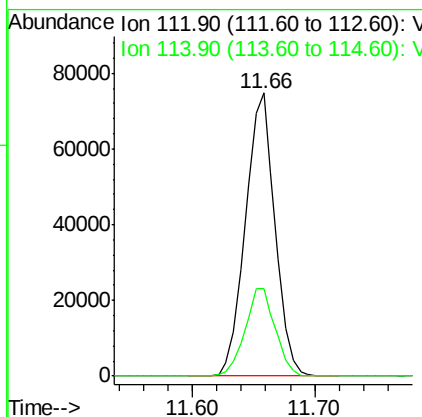
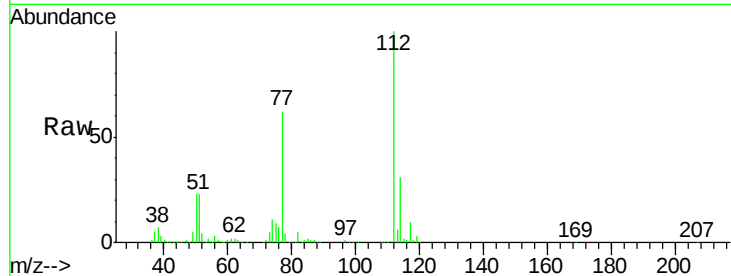
#65
Chlorobenzene
Concen: 21.468 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion:112 Resp: 125143
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9

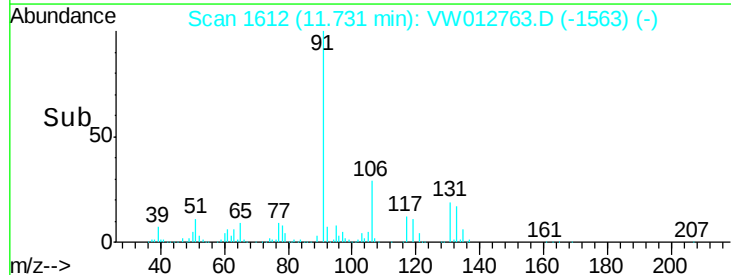
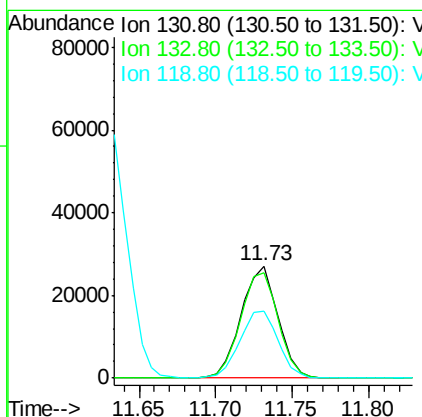
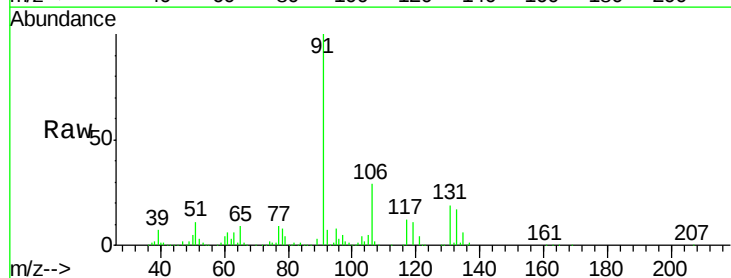
Manual Integrations
APPROVED

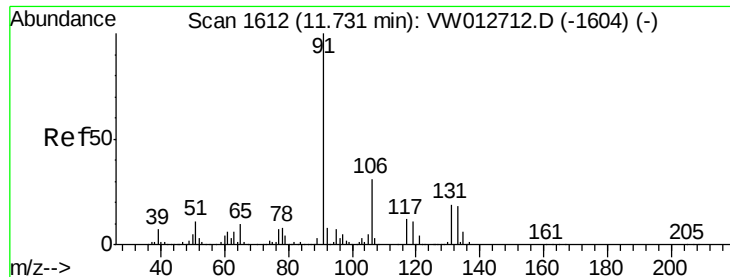
MMDadoda
9/9/2019 11:25:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.877 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:131 Resp: 45321
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.8
119 62.6 30.6 92.0





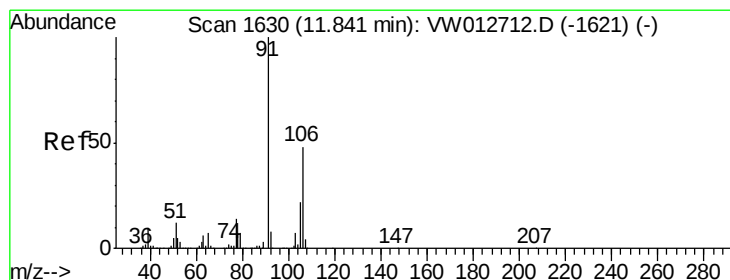
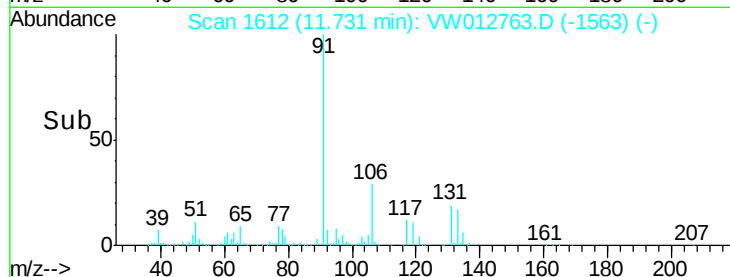
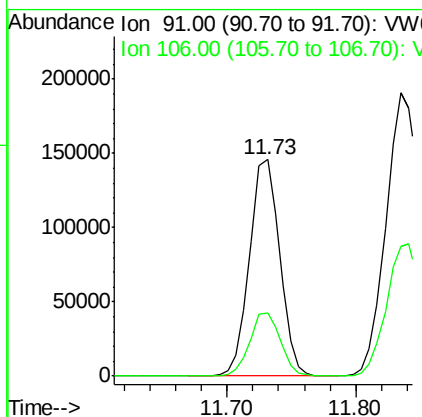
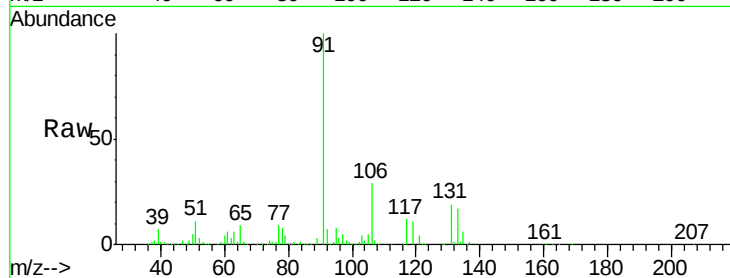
#67
Ethyl Benzene
Concen: 21.566 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.4	36.6

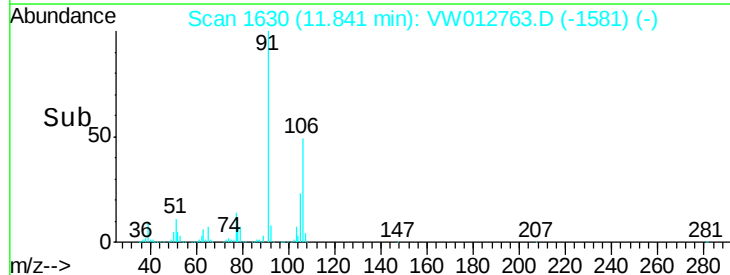
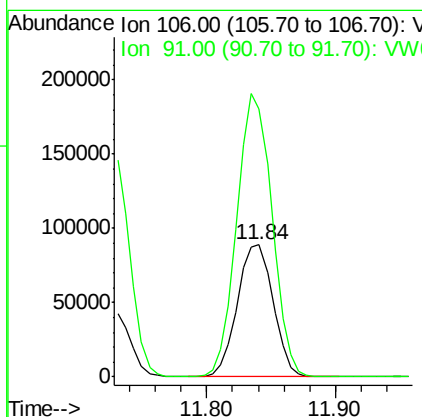
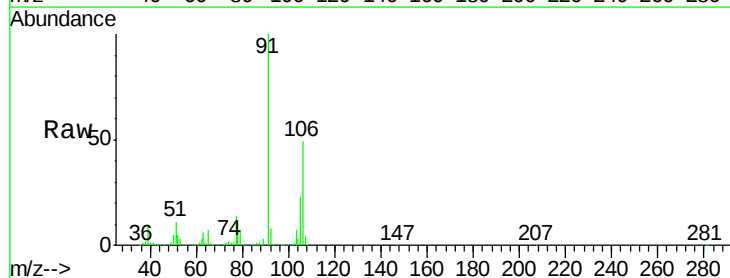
Manual Integrations
APPROVED

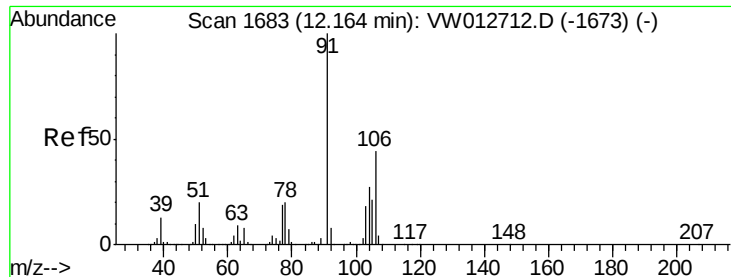
MMDadoda
9/9/2019 11:25:19 AM



#68
m/p-Xylenes
Concen: 43.443 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.1	168.2	252.4





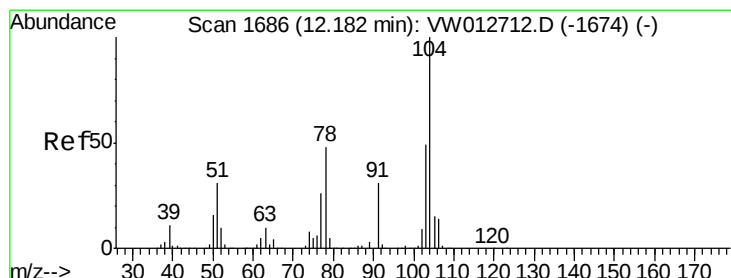
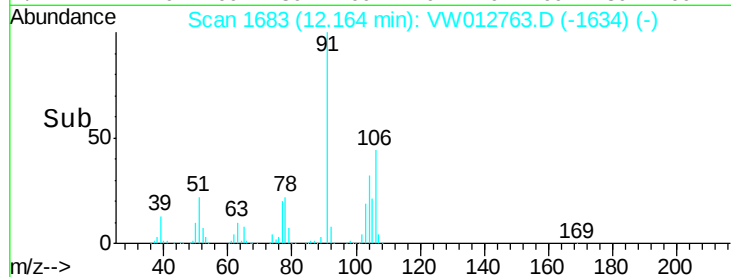
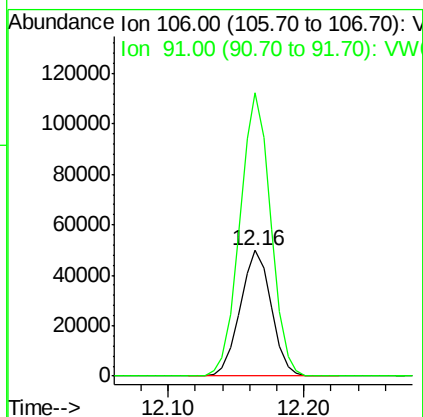
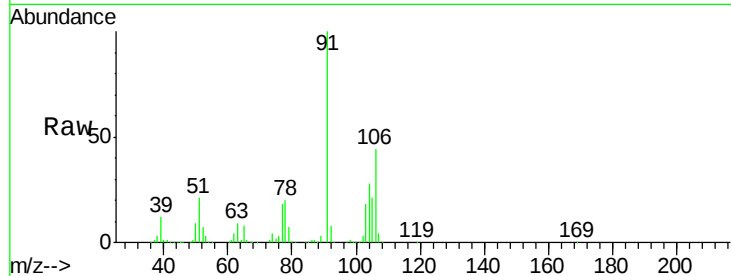
#69
o-Xylene
Concen: 21.404 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.8	112.3	336.8

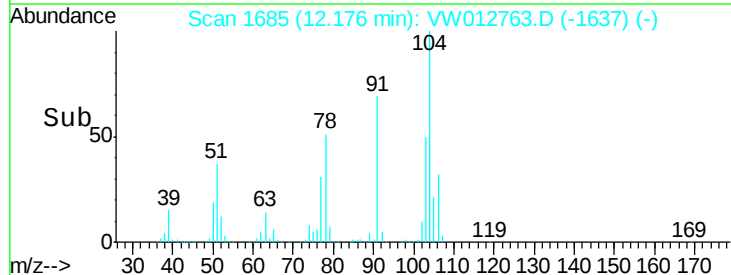
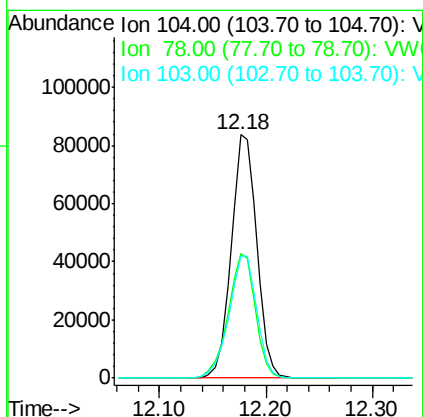
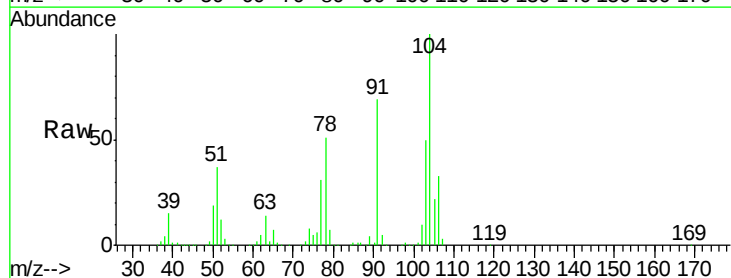
Manual Integrations
APPROVED

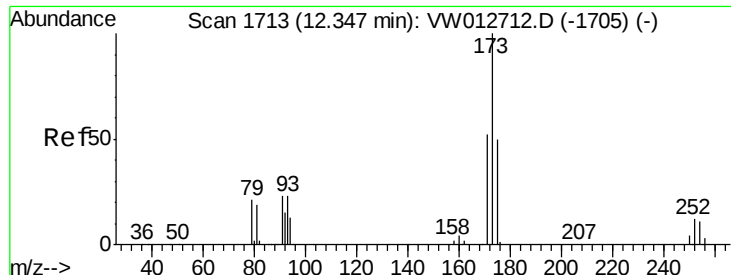
MMDadoda
9/9/2019 11:25:19 AM



#70
Styrene
Concen: 21.425 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.3	43.3	64.9
103	54.6	44.0	66.0





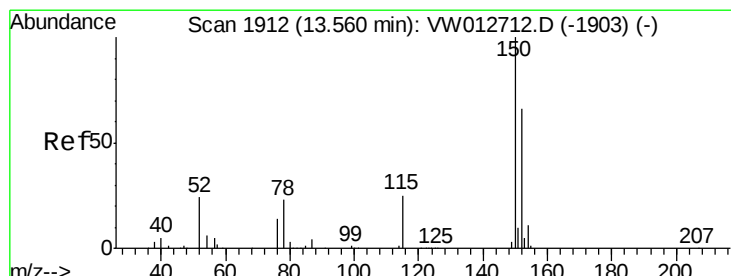
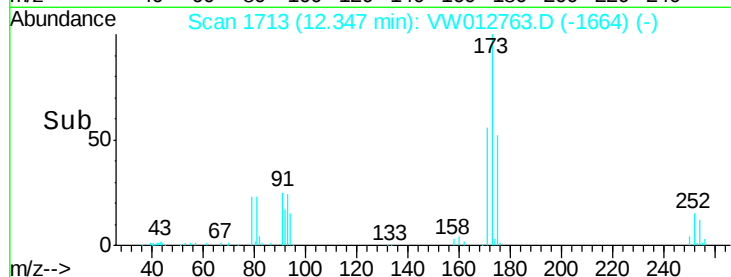
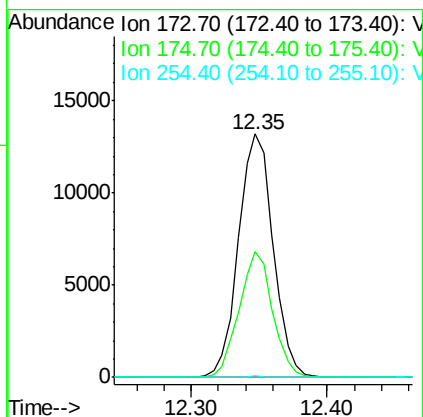
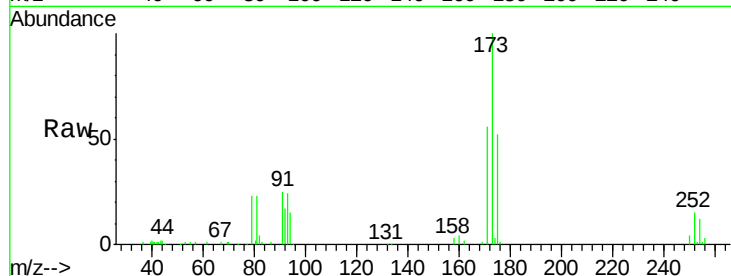
#71
Bromoform
Concen: 19.485 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.8	74.3
254	0.3	0.1	0.1

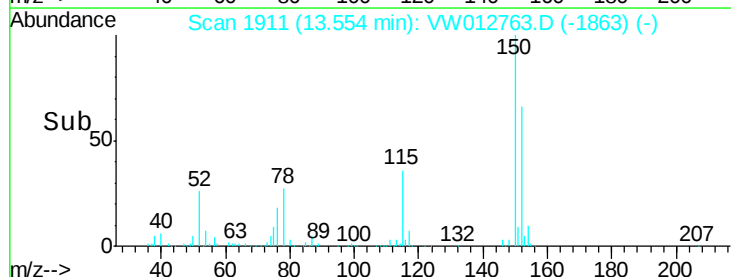
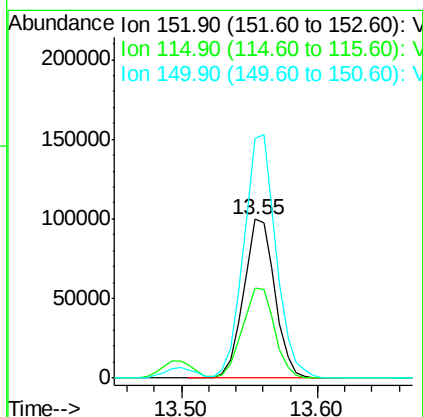
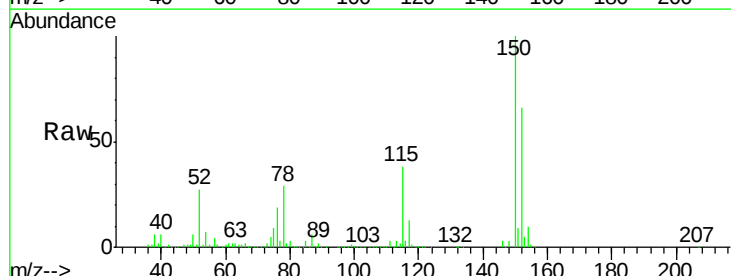
Manual Integrations
APPROVED

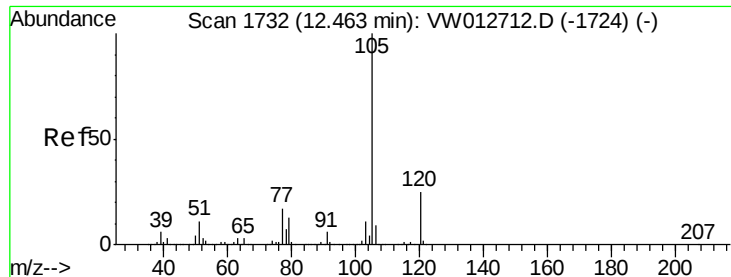
MMDadoda
9/9/2019 11:25:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.0	90.1
150	159.7	0.0	349.0





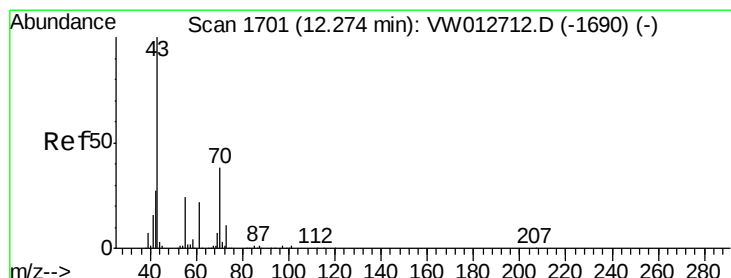
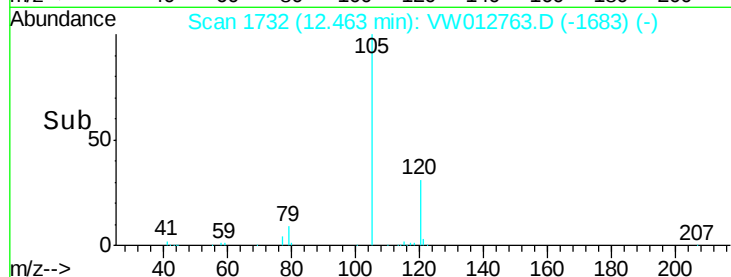
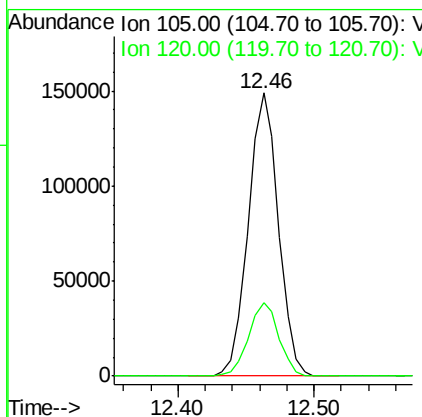
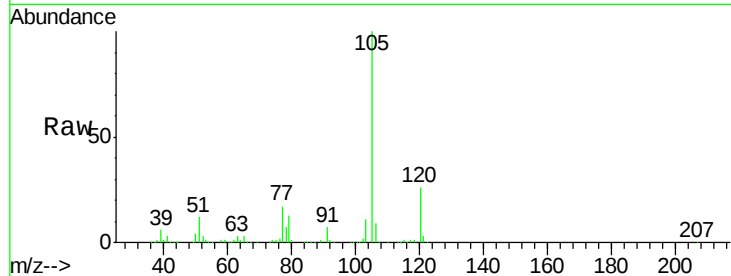
#73
Isopropylbenzene
Concen: 20.221 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	230901		
120	26.0	13.0	38.9	

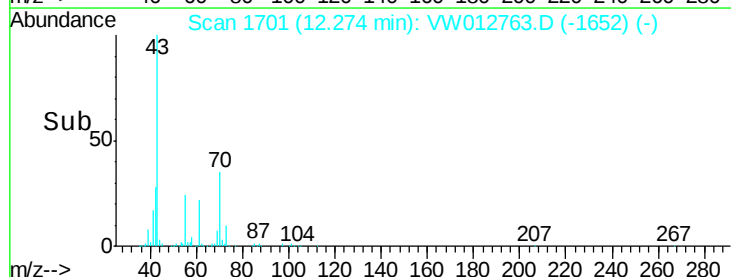
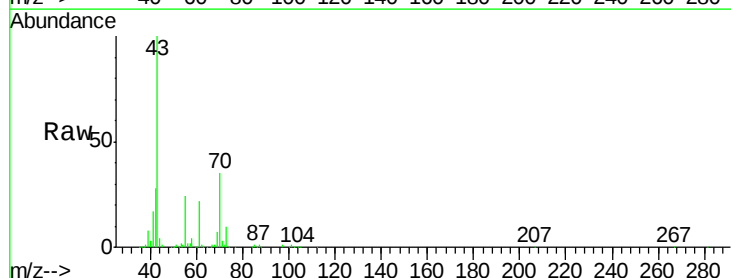
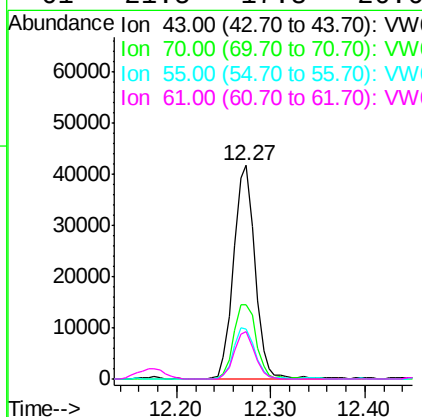
Manual Integrations
APPROVED

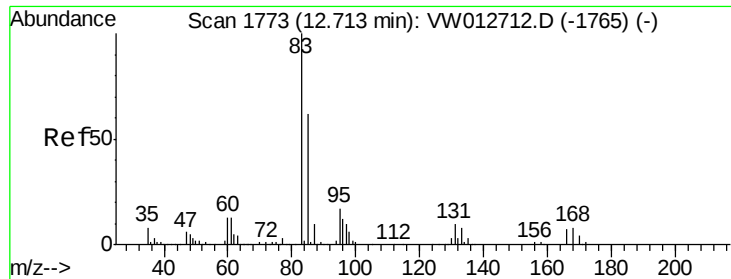
MMDadoda
9/9/2019 11:25:19 AM



#74
N-ethyl acetate
Concen: 18.190 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	65929		
70	36.9	29.4	44.0	
55	24.0	18.6	27.8	
61	21.5	17.8	26.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.573 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

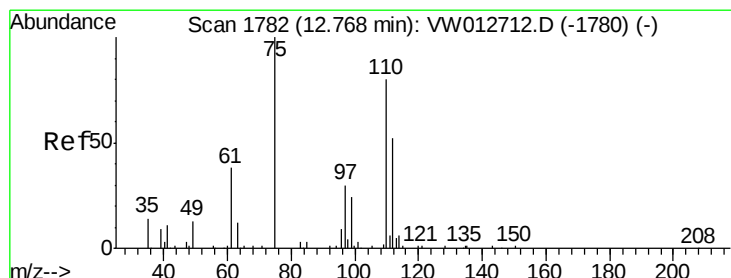
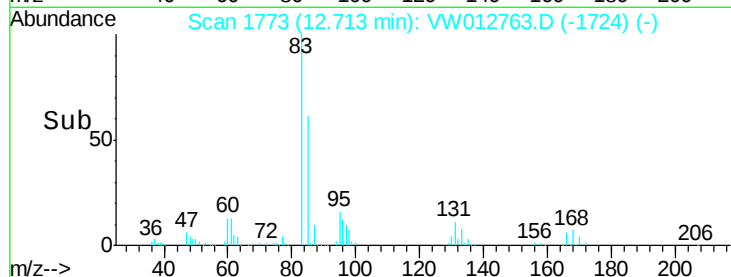
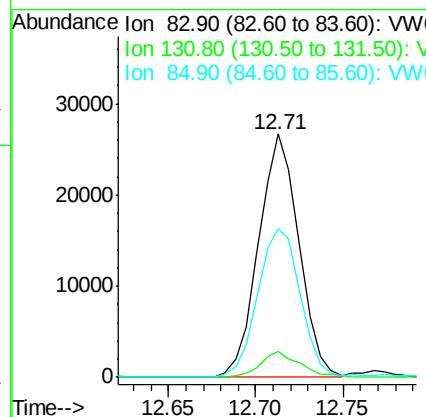
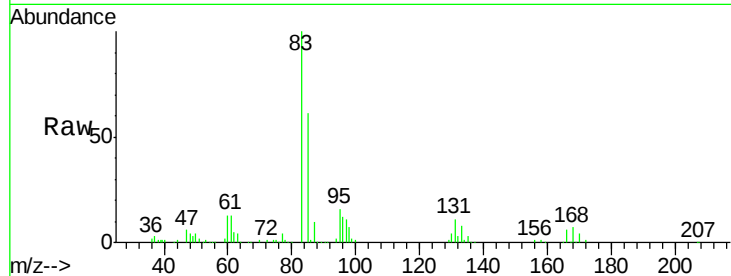
ClientSampleId :

VW0908SBS01

Tot Ion:	83	Resp:	42593
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.9	31.4	94.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#76

1,2,3-Trichloropropane

Concen: 21.557 ug/l m

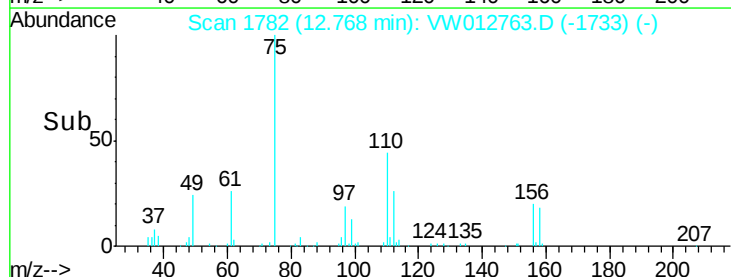
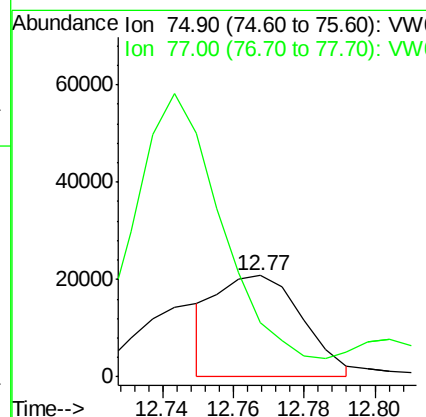
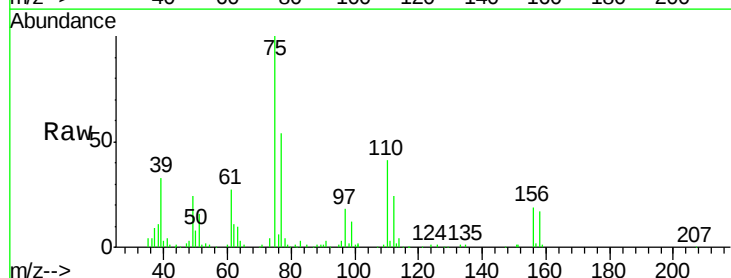
RT: 12.77 min Scan# 1782

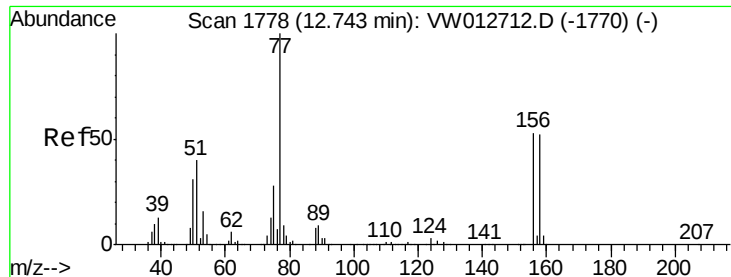
Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	75	Resp:	35094
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.260 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

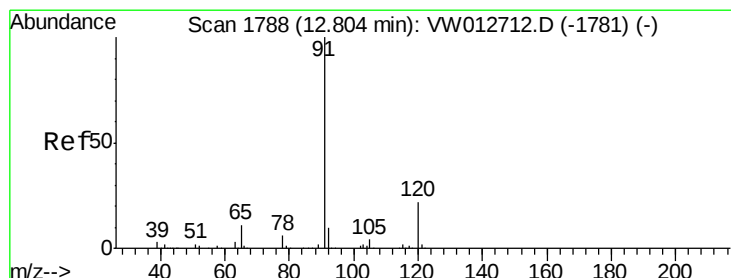
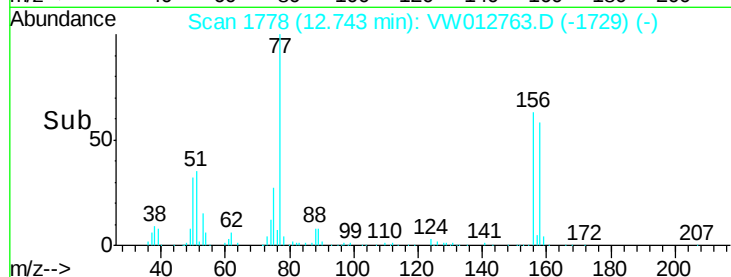
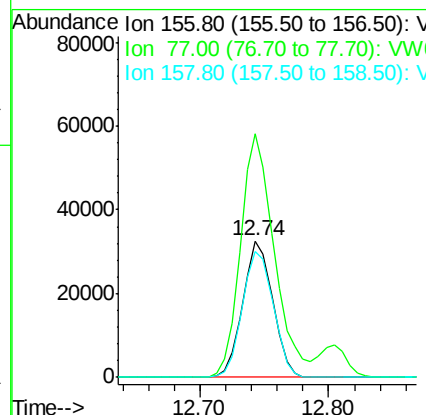
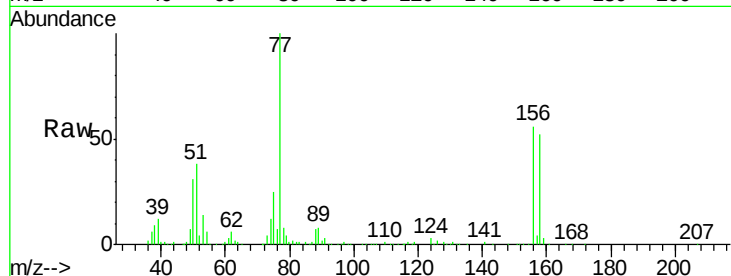
ClientSampleId :

VW0908SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.9	102.3	306.9
158	95.8	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#78

n-propylbenzene

Concen: 20.497 ug/l

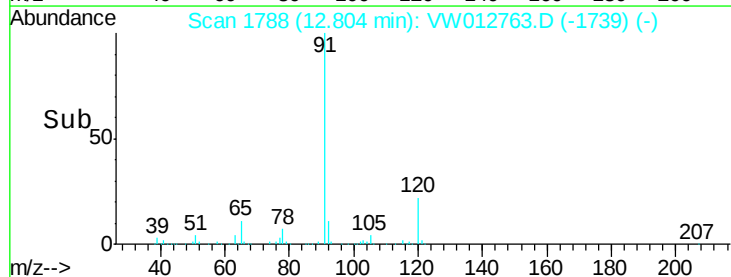
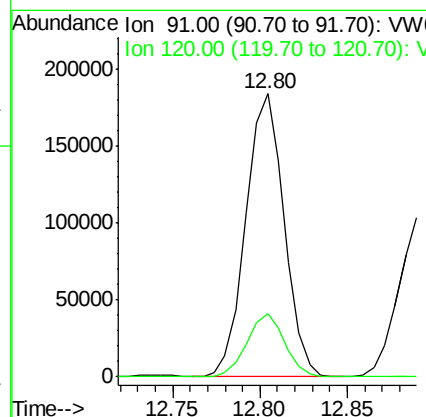
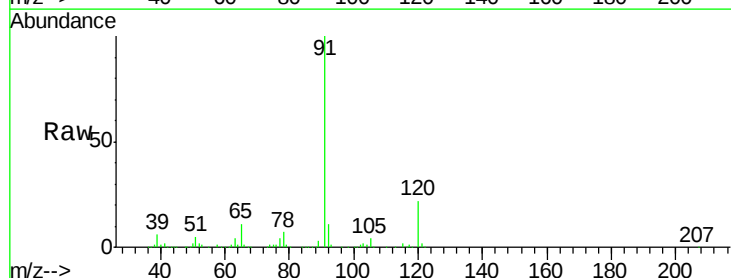
RT: 12.80 min Scan# 1788

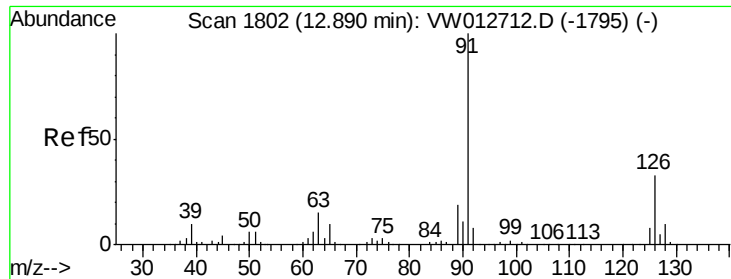
Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.0	33.0





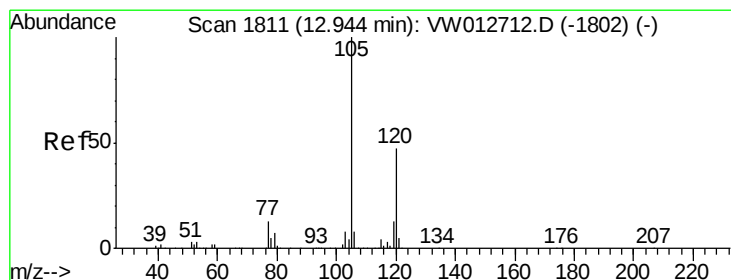
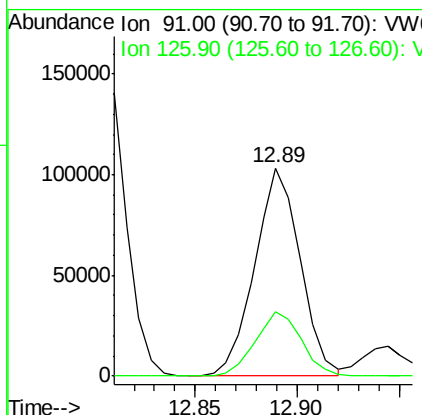
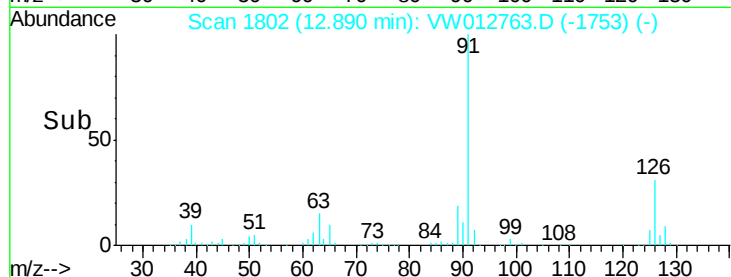
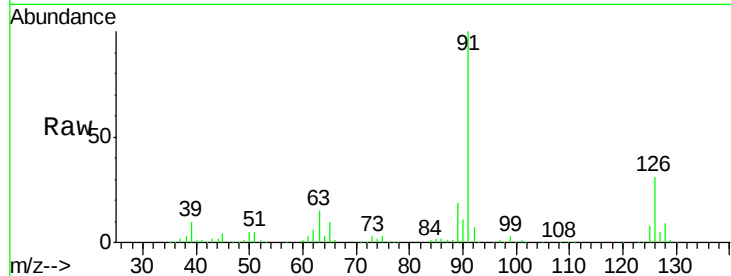
#79
2-Chlorotoluene
Concen: 20.409 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion: 91 Resp: 160008
Ion Ratio Lower Upper
91 100
126 31.4 16.1 48.3

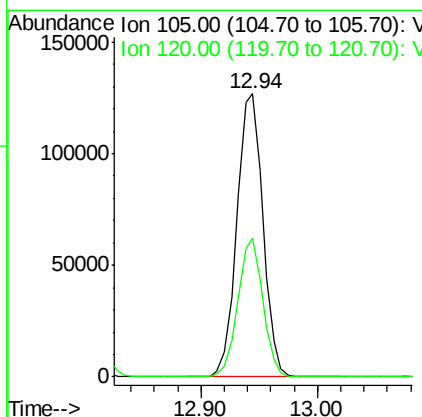
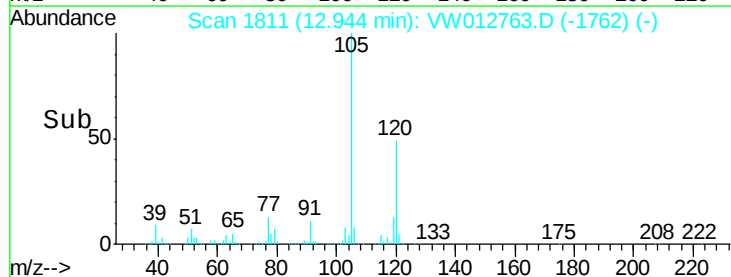
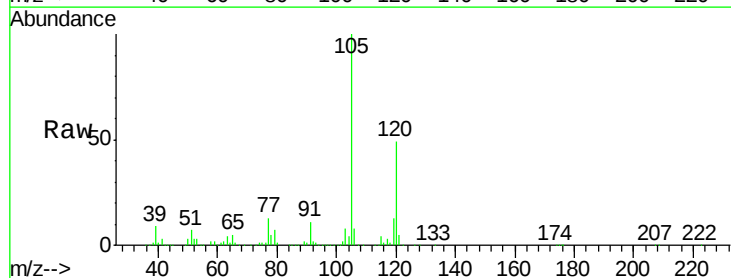
Manual Integrations
APPROVED

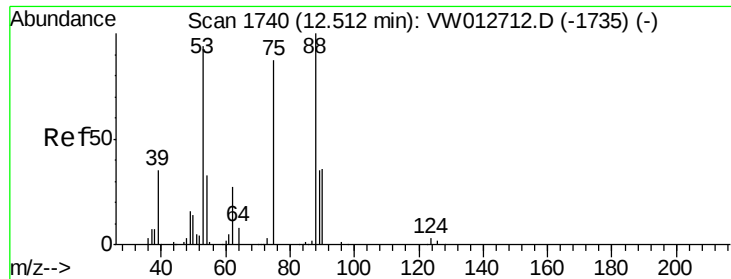
MMDadoda
9/9/2019 11:25:19 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.575 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion:105 Resp: 197977
Ion Ratio Lower Upper
105 100
120 47.2 23.9 71.8





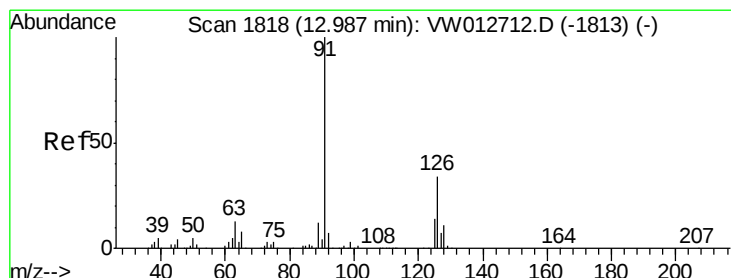
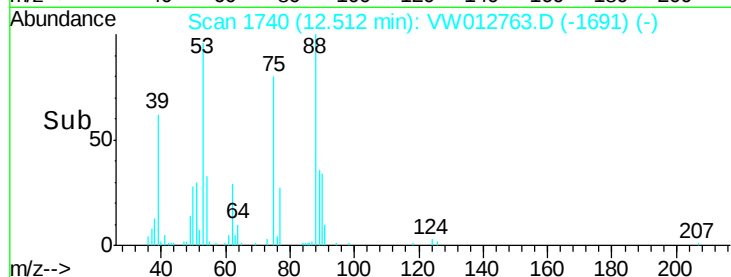
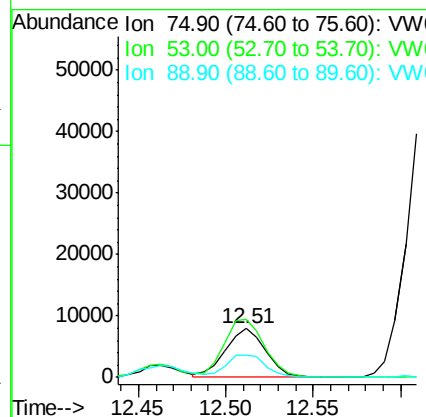
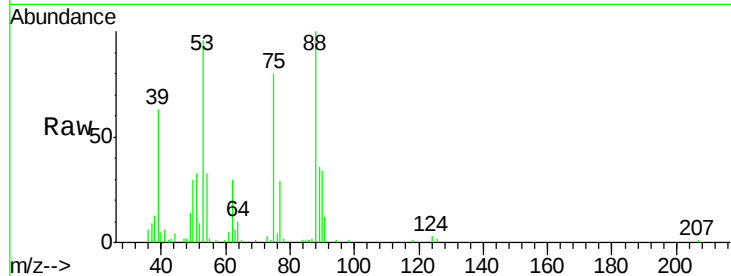
#81
trans-1,4-Dichloro-2-butene
Concen: 16.222 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.5	87.6	131.4
89	46.2	35.5	53.3

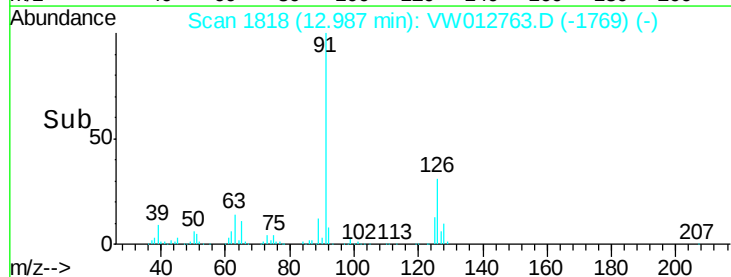
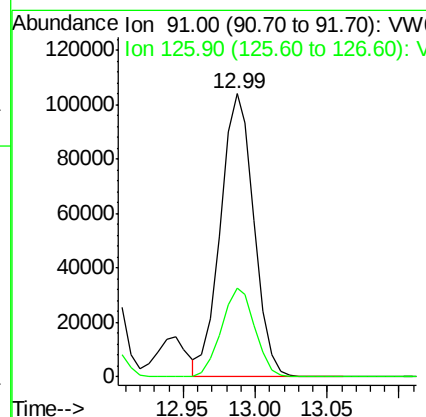
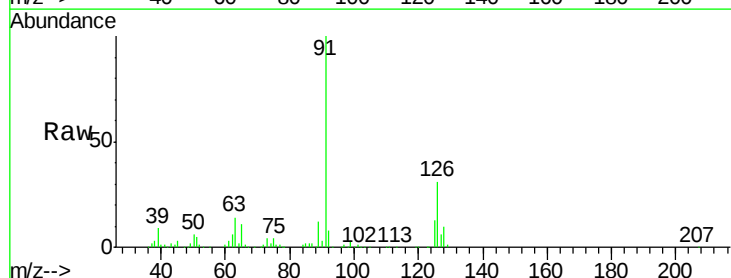
Manual Integrations
APPROVED

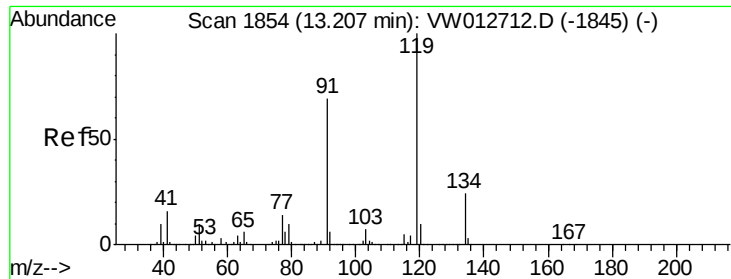
MMDadoda
9/9/2019 11:25:19 AM



#82
4-Chlorotoluene
Concen: 20.380 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6





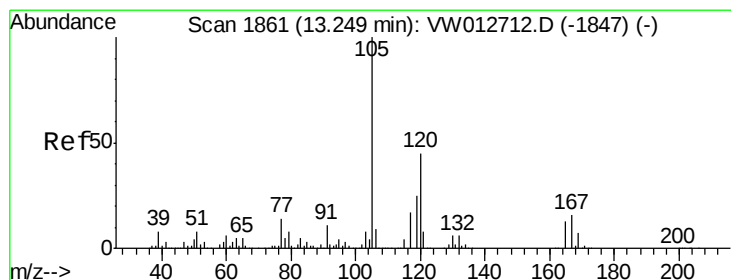
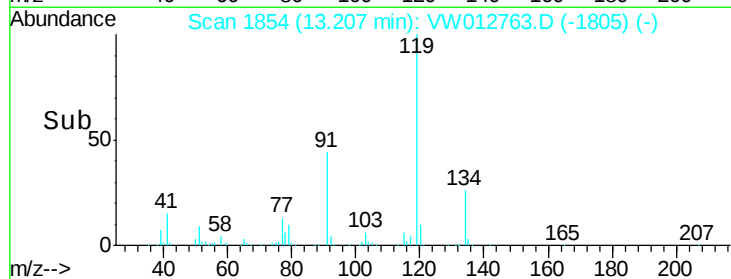
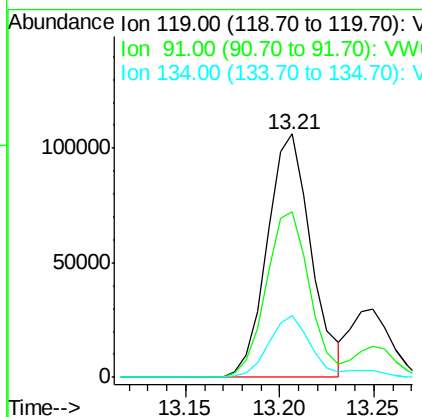
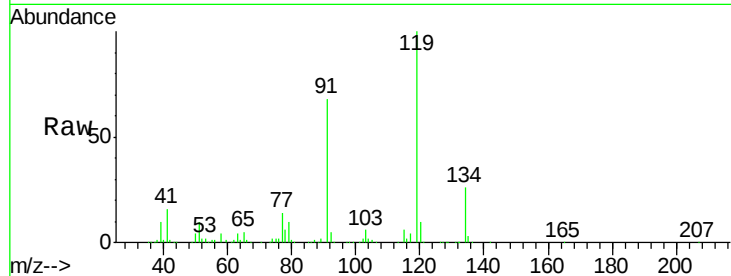
#83
 tert-Butylbenzene
 Concen: 20.148 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0908SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.2	102.5
134	26.5	12.3	36.9

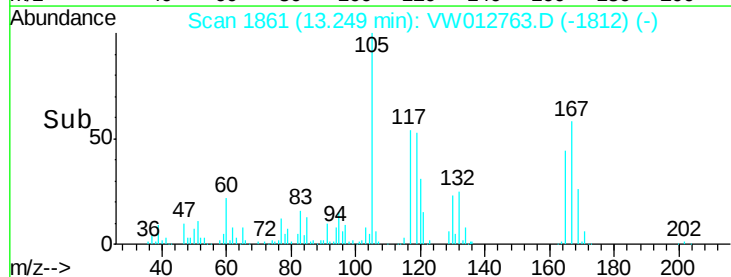
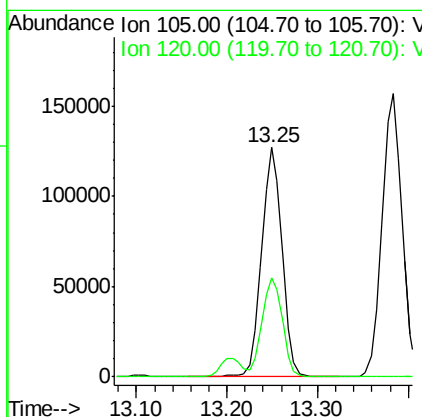
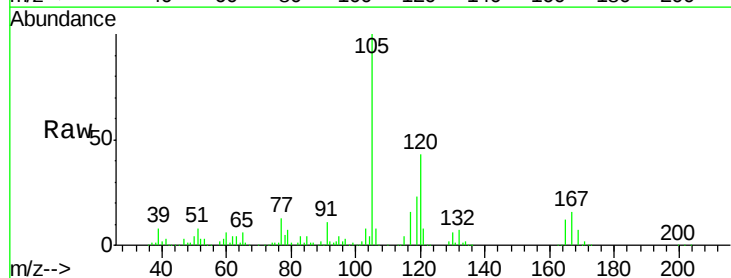
Manual Integrations
 APPROVED

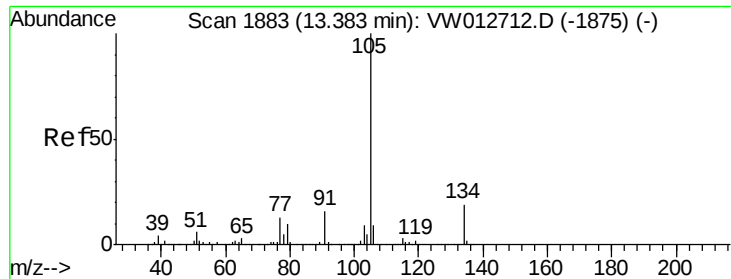
MMDadoda
 9/9/2019 11:25:19 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.433 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.1	66.3





#85

sec-Butylbenzene

Concen: 20.220 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS01

Tot Ion:105 Resp: 238717

Ion Ratio Lower Upper

105 100

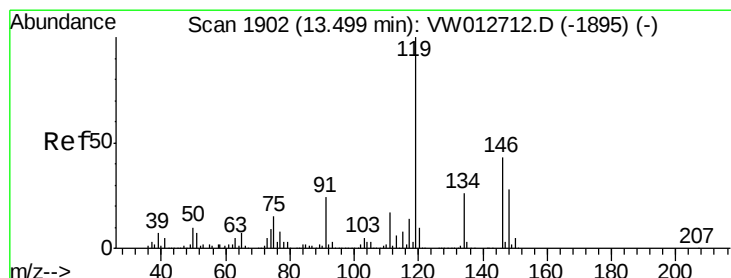
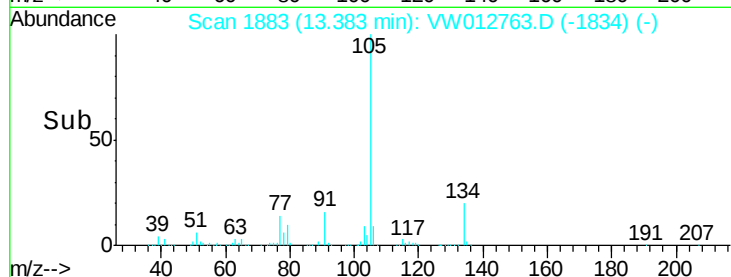
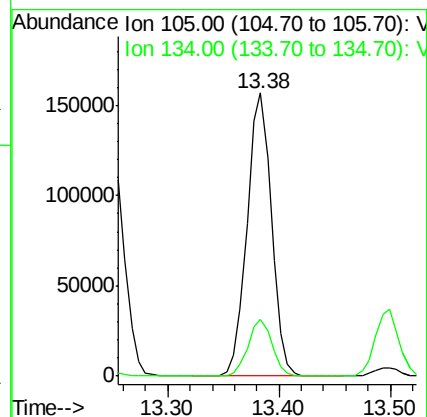
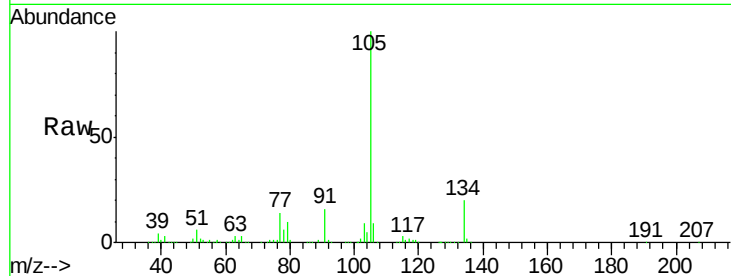
134 19.8 9.8 29.3

Manual Integrations

APPROVED

MMDadoda

9/9/2019 11:25:19 AM



#86

p-Isopropyltoluene

Concen: 20.649 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

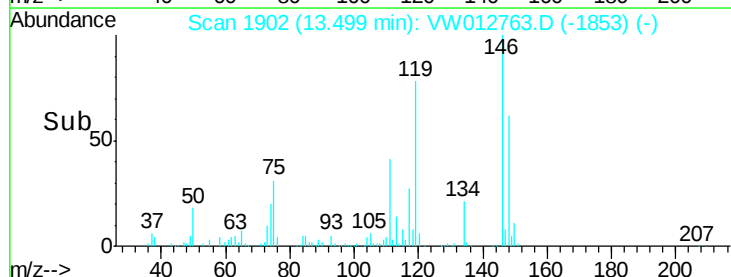
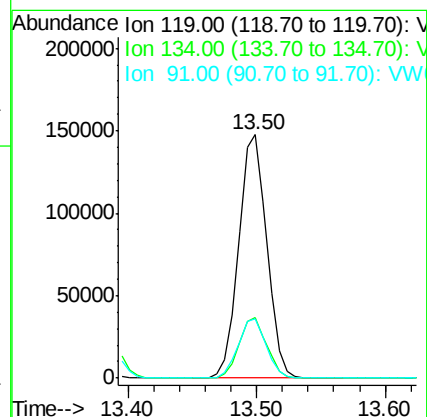
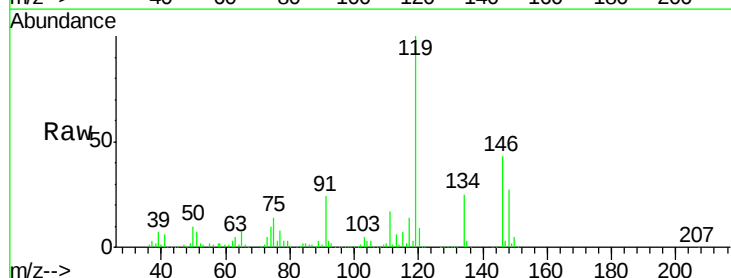
Tgt Ion:119 Resp: 222677

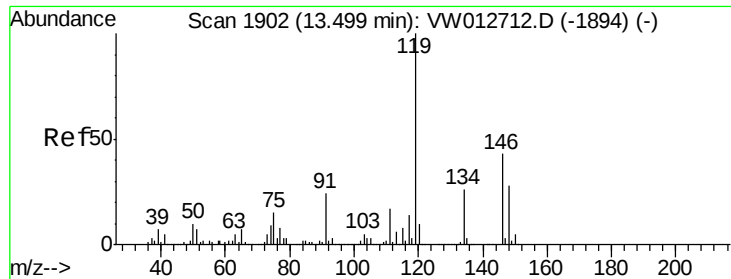
Ion Ratio Lower Upper

119 100

134 24.7 12.7 38.1

91 24.5 12.2 36.6





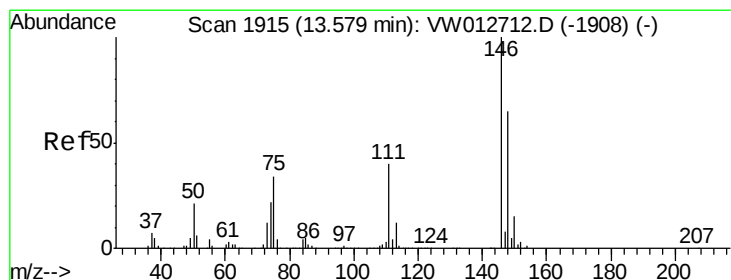
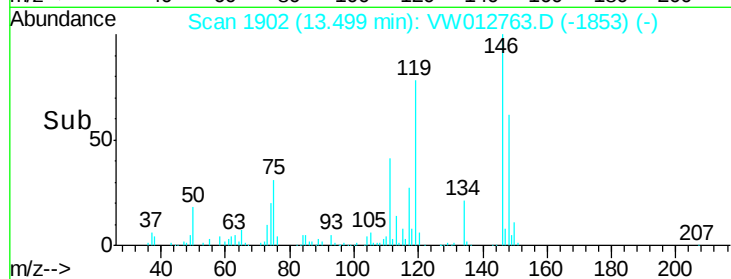
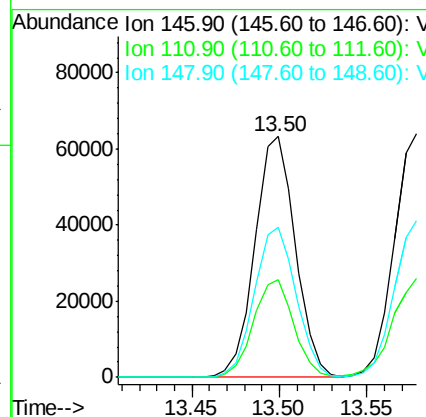
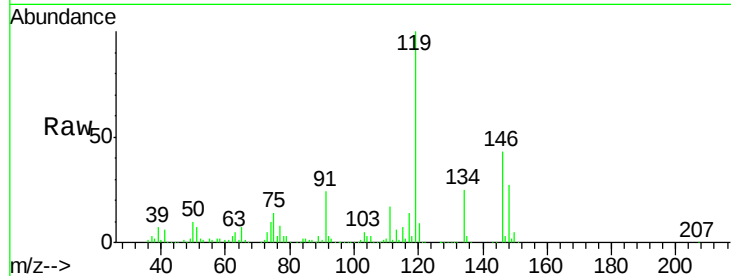
#87
 1,3-Dichlorobenzene
 Concen: 20.179 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	102612		
111	40.7	20.4	61.2	
148	64.3	31.8	95.4	

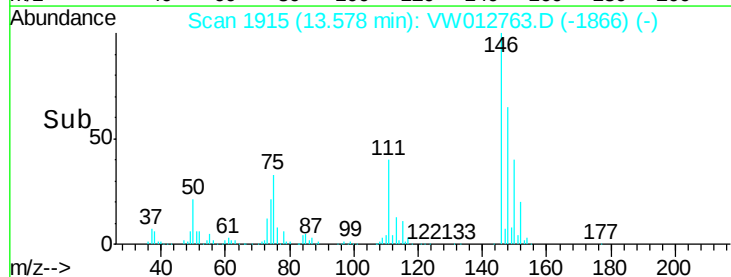
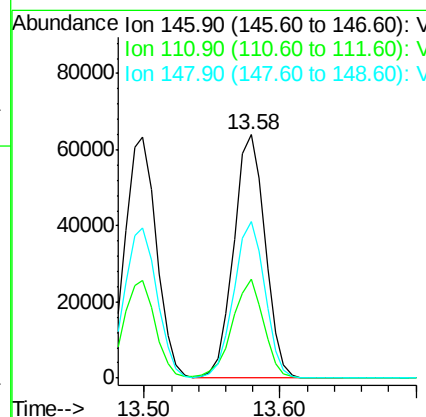
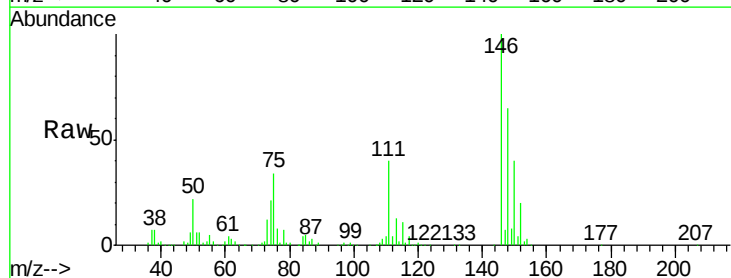
Manual Integrations
 APPROVED

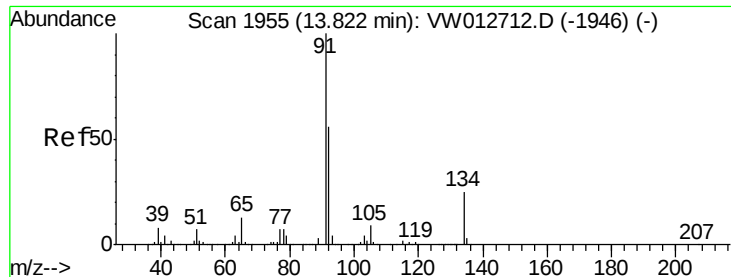
MMDadoda
 9/9/2019 11:25:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.364 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103038		
111	40.8	20.0	60.0	
148	63.9	32.2	96.6	





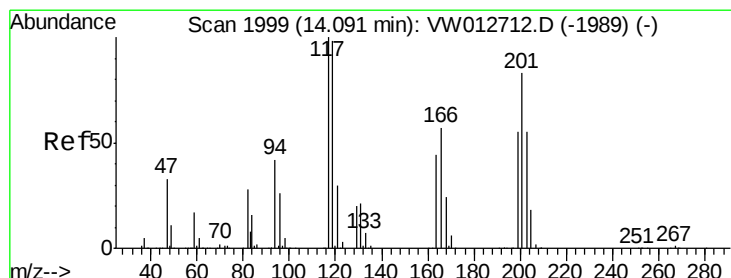
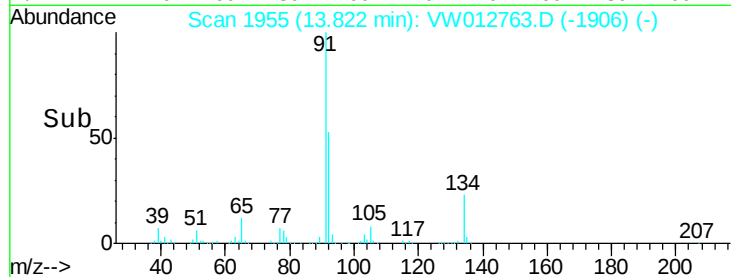
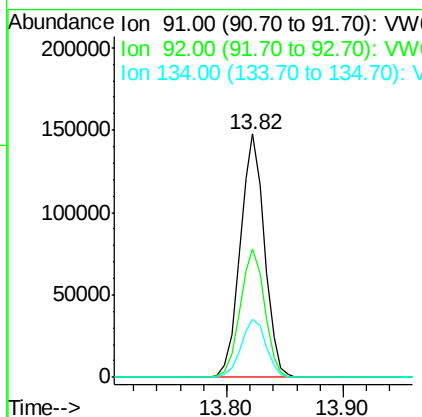
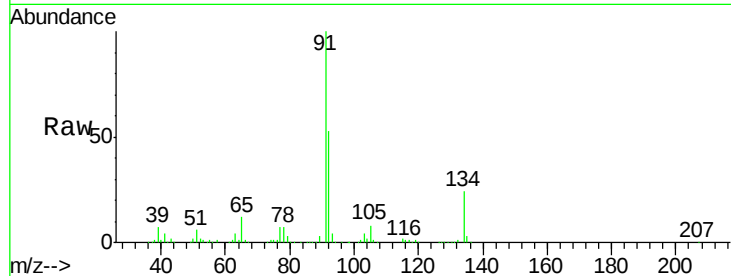
#89
n-Butylbenzene
Concen: 20.449 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	214086		
92	53.2		27.2	81.5
134	24.6		12.7	38.1

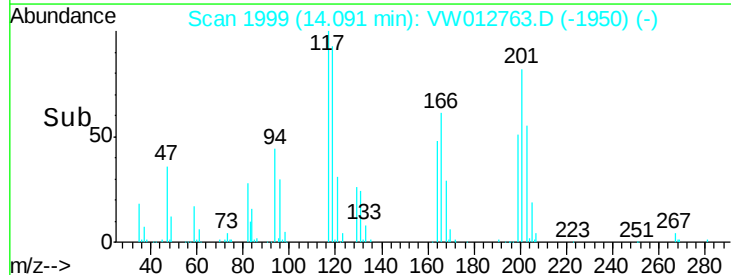
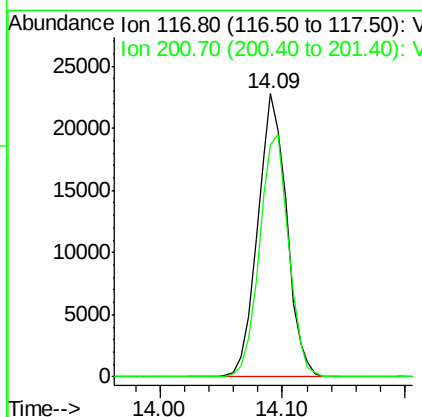
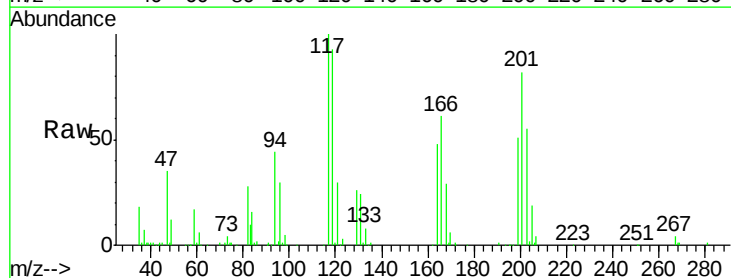
Manual Integrations
APPROVED

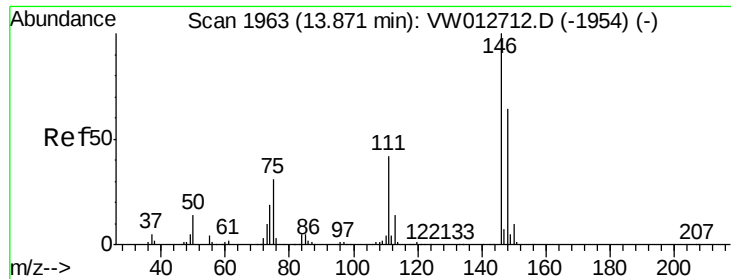
MMDadoda
9/9/2019 11:25:19 AM



#90
Hexachloroethane
Concen: 19.974 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37601		
201	86.0		42.8	128.4





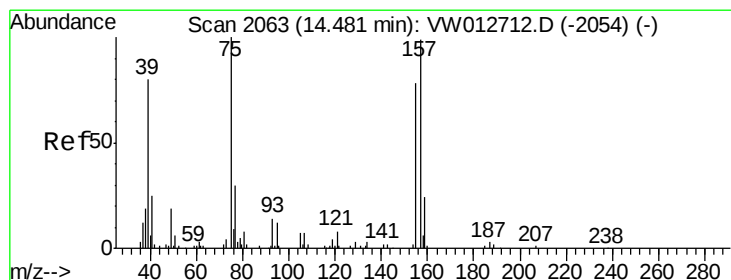
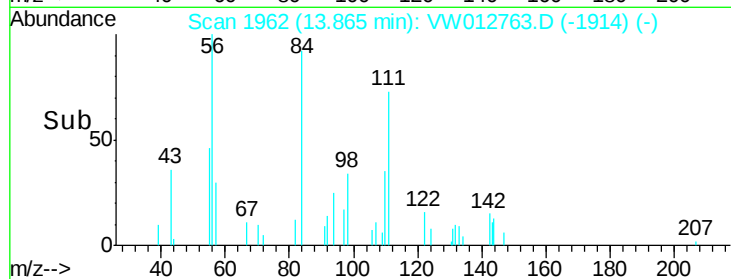
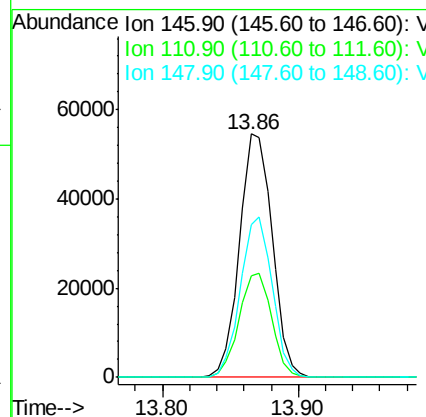
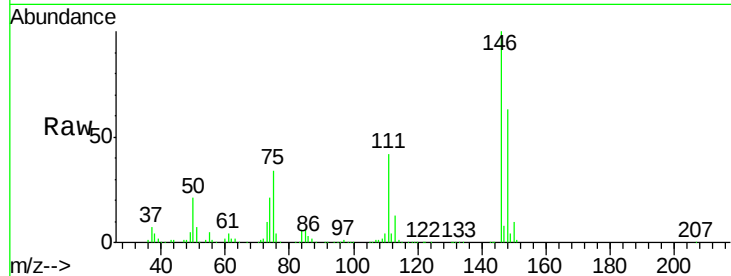
#91
 1,2-Dichlorobenzene
 Concen: 20.138 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	63.9	32.1	96.5

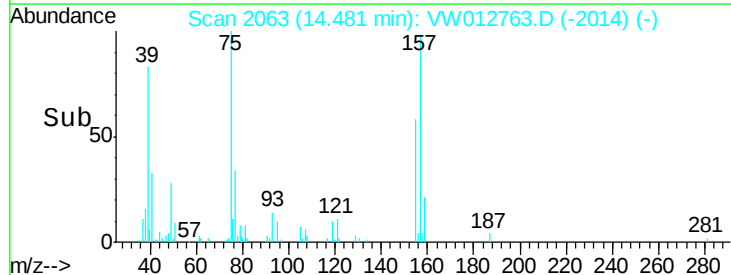
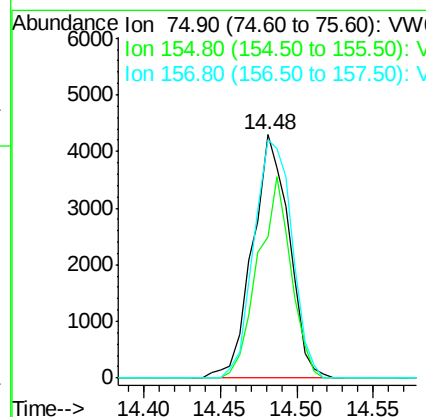
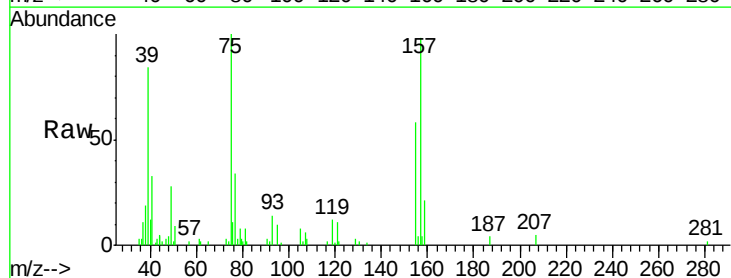
Manual Integrations
 APPROVED

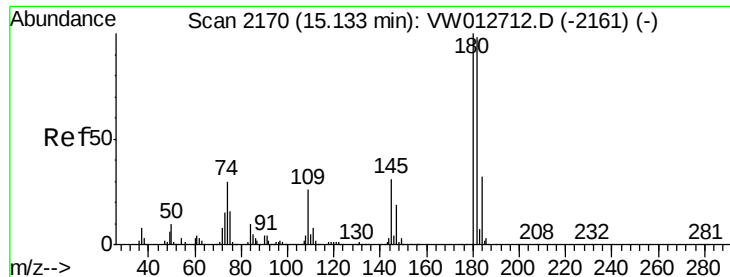
MMDadoda
 9/9/2019 11:25:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.006 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012763.D
 Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	40.6	122.0
157	102.3	52.5	157.5





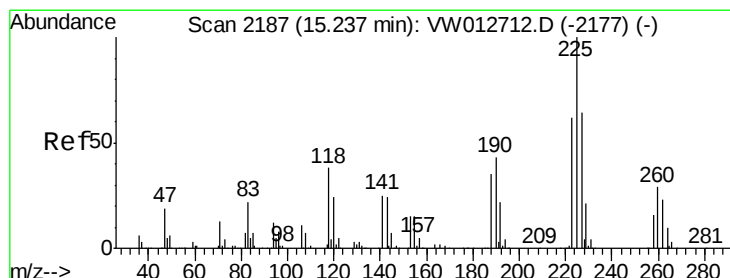
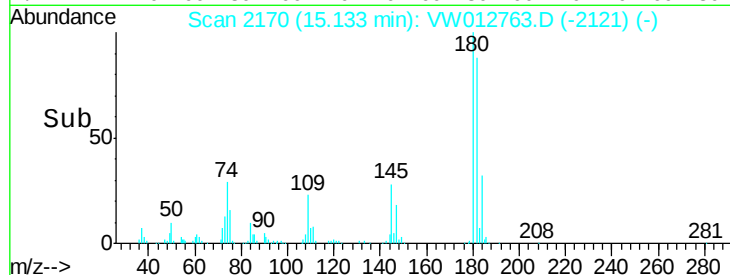
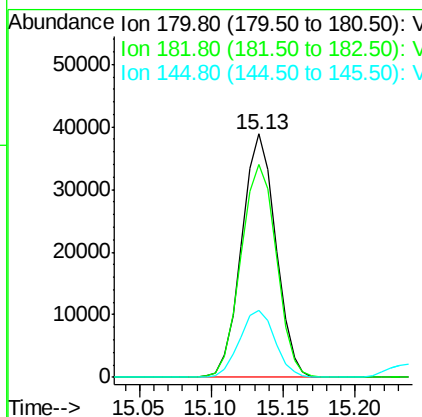
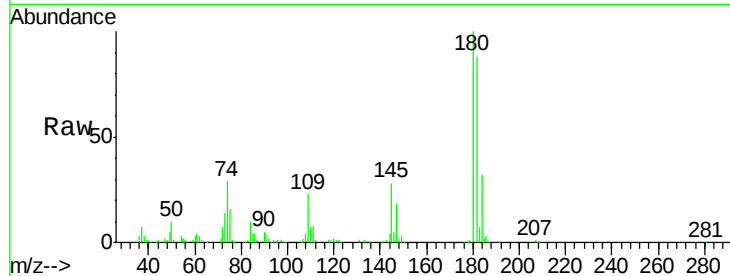
#93
1,2,4-Trichlorobenzene
Concen: 19.977 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63657		
182	91.1	48.7	146.1	
145	28.7	15.0	45.1	

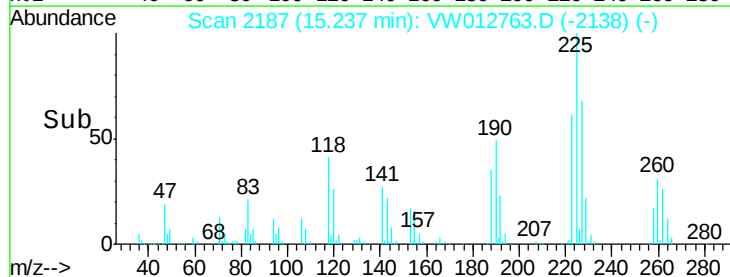
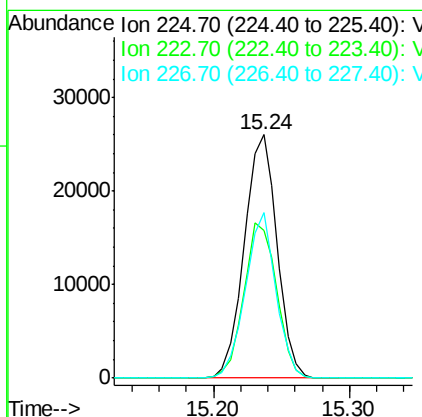
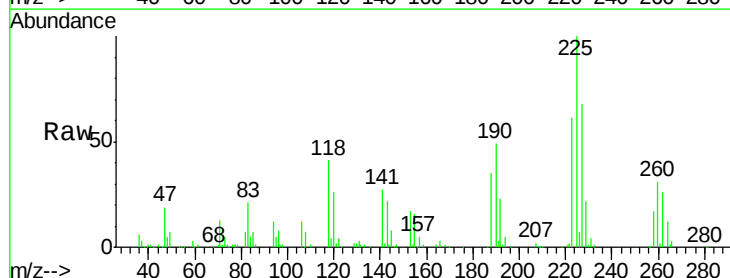
Manual Integrations
APPROVED

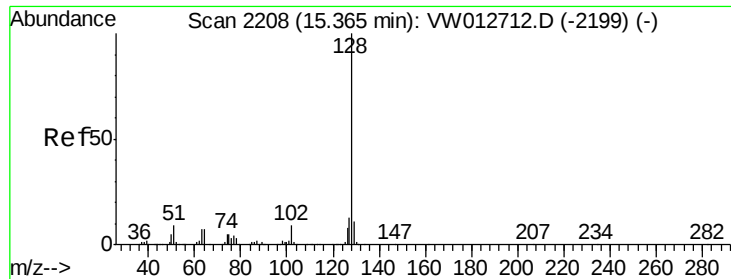
MMDadoda
9/9/2019 11:25:19 AM



#94
Hexachlorobutadiene
Concen: 19.849 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW012763.D
Acq: 08 Sep 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43779		
223	64.1	31.1	93.3	
227	63.4	31.4	94.2	





#95

Naphthalene

Concen: 19.038 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Instrument :

MSVOA_W

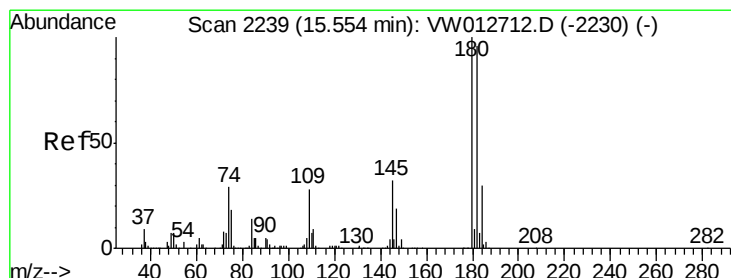
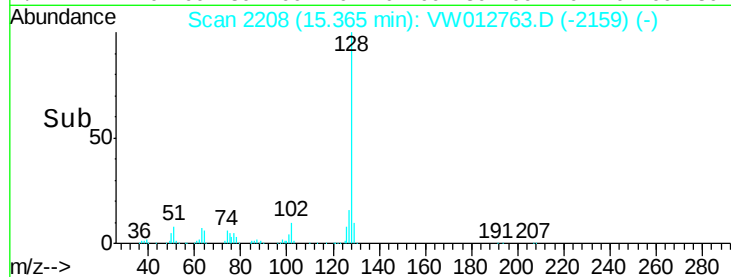
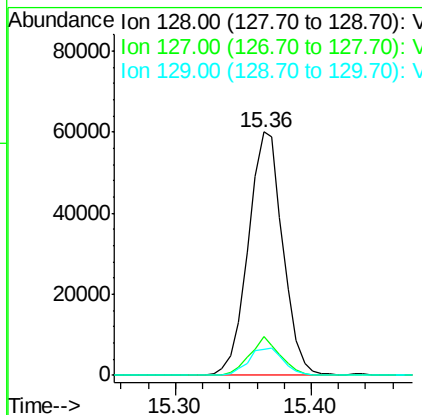
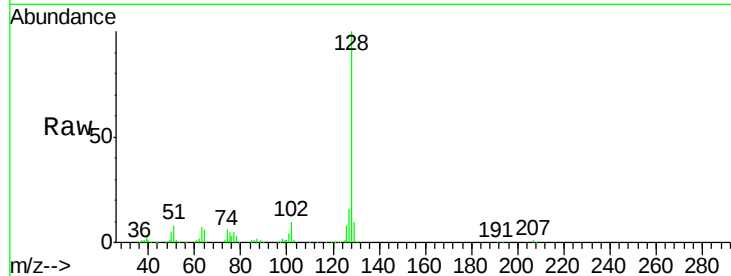
ClientSampleId :

VW0908SBS01

Tot Ion:	128	Resp:	107014
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:25:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.964 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012763.D

Acq: 08 Sep 2019 12:35

Tgt Ion:	180	Resp:	56153
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	31.2	15.4	46.2

