

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011203.D
 Acq On : 10 Jul 2019 21:50
 Operator : SY/VA
 Sample : K3733-02MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:21 PM

Quant Time: Jul 11 08:31:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	155074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	106987	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	82092	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.32	98	315528	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	99712	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	51409	44.450	ug/l	99
3) Chloromethane	2.21	50	72946	48.948	ug/l	96
4) Vinyl Chloride	2.35	62	98211	50.350	ug/l	97
5) Bromomethane	2.76	94	47422	48.383	ug/l	92
6) Chloroethane	2.91	64	53425	50.851	ug/l	98
7) Trichlorofluoromethane	3.25	101	29877	43.116	ug/l	98
8) Diethyl Ether	3.67	74	51506	53.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	81422	49.055	ug/l	99
10) Methyl Iodide	4.27	142	98774	43.268	ug/l	99
11) Tert butyl alcohol	5.17	59	40179	278.508	ug/l	98
12) 1,1-Dichloroethene	4.03	96	88302	51.257	ug/l	99
13) Acrolein	3.89	56	3524	30.676	ug/l	95
14) Allyl chloride	4.66	41	146953	46.779	ug/l	98
15) Acrylonitrile	5.36	53	135400	277.289	ug/l	99
16) Acetone	4.12	43	153282	326.934	ug/l	99
17) Carbon Disulfide	4.38	76	254989	48.823	ug/l	100
18) Methyl Acetate	4.66	43	136200	103.670	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	146505	56.048	ug/l	99
20) Methylene Chloride	4.91	84	97585	52.761	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	90852	50.754	ug/l	98
22) Diisopropyl ether	6.31	45	355292	52.584	ug/l	96
23) Vinyl Acetate	6.25	43	400113	95.686	ug/l	99
24) 1,1-Dichloroethane	6.21	63	184748	52.071	ug/l	99
25) 2-Butanone	7.17	43	223449	303.614	ug/l	100
26) 2,2-Dichloropropane	7.16	77	83331	45.183	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	99133	51.338	ug/l	99
28) Bromochloromethane	7.51	49	78961	48.944	ug/l	98
29) Tetrahydrofuran	7.52	42	140465	291.072	ug/l	100
30) Chloroform	7.67	83	170562	51.908	ug/l	99
31) Cyclohexane	7.95	56	165203	43.767	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	125645	50.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	134917	48.336	ug/l	99
37) Ethyl Acetate	7.24	43	83417	49.740	ug/l	100
38) Carbon Tetrachloride	8.07	117	67219	28.408	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011203.D
 Acq On : 10 Jul 2019 21:50
 Operator : SY/VA
 Sample : K3733-02MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:21 PM

Quant Time: Jul 11 08:31:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	120082	35.494	ug/l	100
40) Benzene	8.32	78	382431	49.576	ug/l	98
41) Methacrylonitrile	7.48	41	51150	53.327	ug/l	96
42) 1,2-Dichloroethane	8.40	62	130750	52.251	ug/l	100
43) Isopropyl Acetate	8.42	43	160954	50.834	ug/l	99
44) Trichloroethene	9.09	130	98718	53.180	ug/l	100
45) 1,2-Dichloropropane	9.37	63	106028	50.758	ug/l	98
46) Dibromomethane	9.46	93	51006	51.980	ug/l	99
47) Bromodichloromethane	9.64	83	120259	47.898	ug/l	99
48) Methyl methacrylate	9.43	41	89428	58.707	ug/l	97
49) 1,4-Dioxane	9.45	88	18787	1147.013	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	470655	284.560	ug/l	99
52) Toluene	10.38	92	226279	48.357	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118506	44.342	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	135807	43.172	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72842	52.326	ug/l	98
56) Ethyl methacrylate	10.65	69	107602	50.770	ug/l	99
57) 1,3-Dichloropropane	10.93	76	136505	51.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	275655	280.548	ug/l	99
59) 2-Hexanone	10.97	43	325286	283.589	ug/l	99
60) Dibromochloromethane	11.13	129	72899	47.755	ug/l	98
61) 1,2-Dibromoethane	11.23	107	69000	52.327	ug/l	98
64) Tetrachloroethene	10.86	164	92521	62.412	ug/l	97
65) Chlorobenzene	11.66	112	215938	48.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	75283	47.869	ug/l	99
67) Ethyl Benzene	11.73	91	411359	48.109	ug/l	99
68) m/p-Xylenes	11.84	106	293389	94.826	ug/l	100
69) o-Xylene	12.16	106	139599	47.872	ug/l	98
70) Styrene	12.18	104	222682	44.247	ug/l	99
71) Bromoform	12.35	173	39542	47.290	ug/l #	99
73) Isopropylbenzene	12.46	105	352466	56.639	ug/l	100
74) N-amyl acetate	12.27	43	67493	31.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	89392	70.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	60720m	63.117	ug/l	
77) Bromobenzene	12.74	156	82126	58.806	ug/l	100
78) n-propylbenzene	12.80	91	399104	52.062	ug/l	100
79) 2-Chlorotoluene	12.89	91	239393	54.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	273407	51.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20523	48.251	ug/l	96
82) 4-Chlorotoluene	12.99	91	243187	52.928	ug/l	100
83) tert-Butylbenzene	13.21	119	218116	49.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	280341	52.809	ug/l	98
85) sec-Butylbenzene	13.38	105	273712	43.022	ug/l	100
86) p-Isopropyltoluene	13.50	119	248723	43.587	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	128462	47.809	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	130487	48.226	ug/l	99
89) n-Butylbenzene	13.82	91	200291	35.185	ug/l	100
90) Hexachloroethane	14.10	117	12081	11.586	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	120812	49.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14727	65.087	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
Data File : VW011203.D
Acq On : 10 Jul 2019 21:50
Operator : SY/VA
Sample : K3733-02MS
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

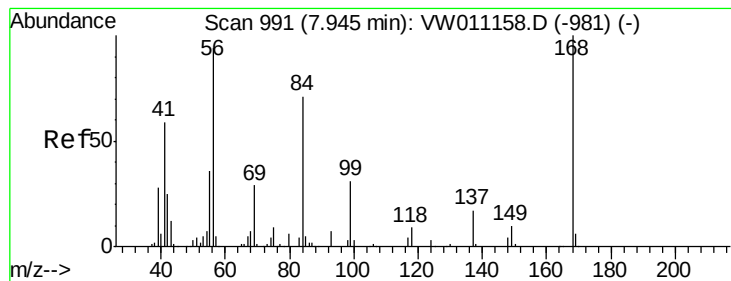
Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM

Quant Time: Jul 11 08:31:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	49733	29.621	ug/l	96
94) Hexachlorobutadiene	15.24	225	15842	15.369	ug/l	99
95) Naphthalene	15.37	128	154243	47.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	43766	29.536	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: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion:168 Resp: 155074

Ion Ratio Lower Upper

168 100

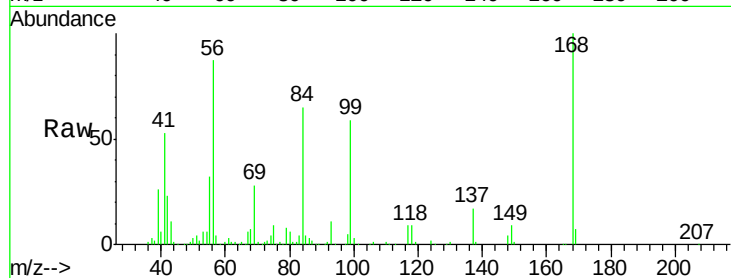
99 58.7 50.1 75.1

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

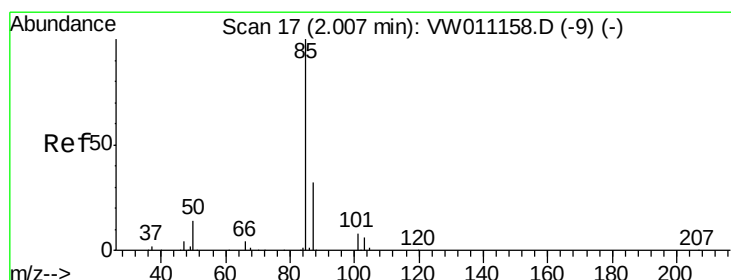
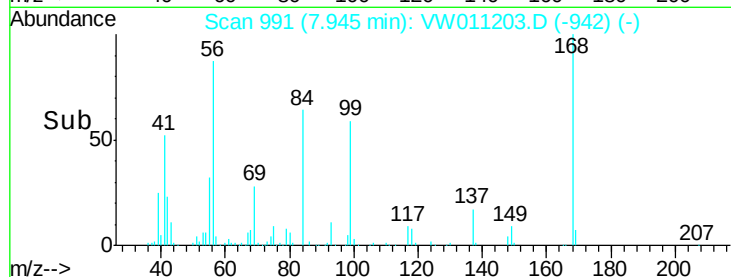
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.450 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011203.D

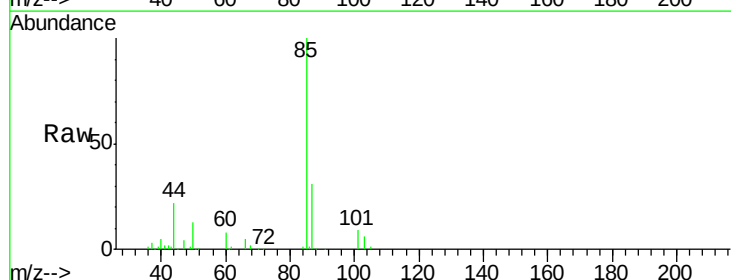
Acq: 10 Jul 2019 21:50

Tgt Ion: 85 Resp: 51409

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

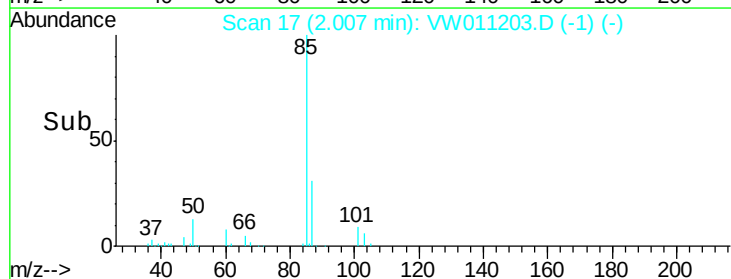
10000

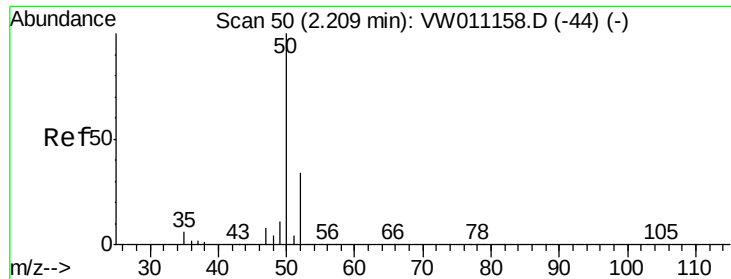
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 48.948 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 50 Resp: 72946

Ion Ratio Lower Upper

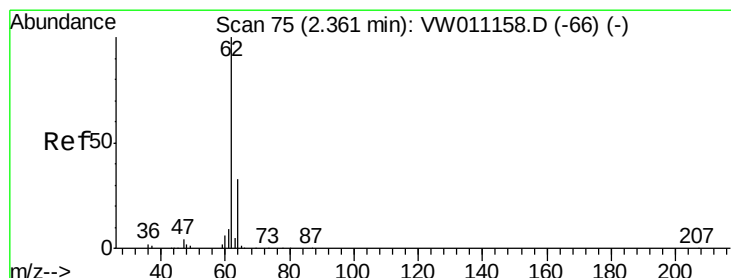
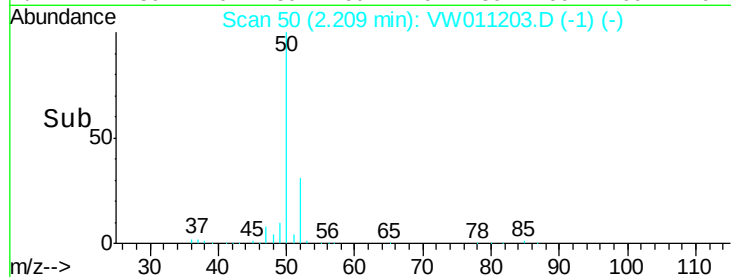
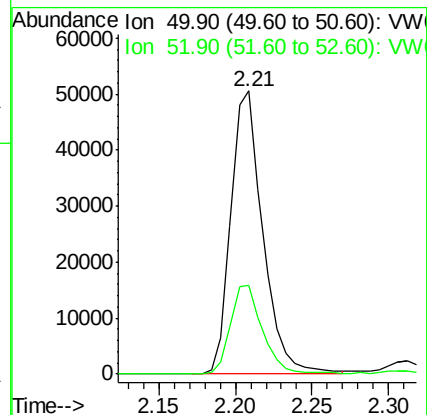
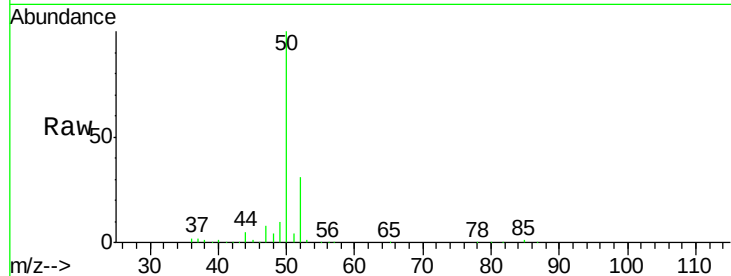
50 100

52 31.5 26.9 40.3

Manual Integrations
APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#4

Vinyl Chloride

Concen: 50.350 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011203.D

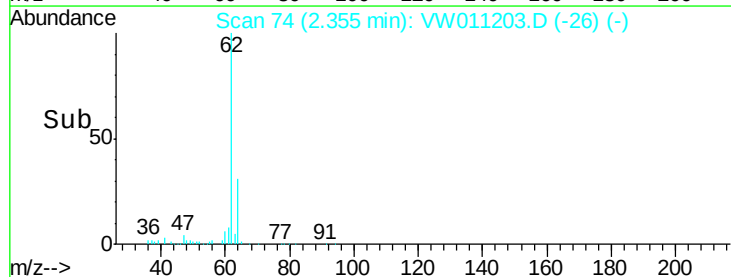
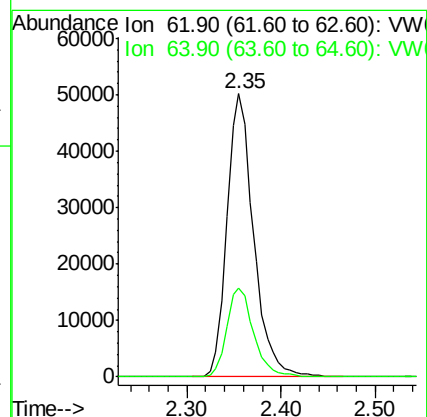
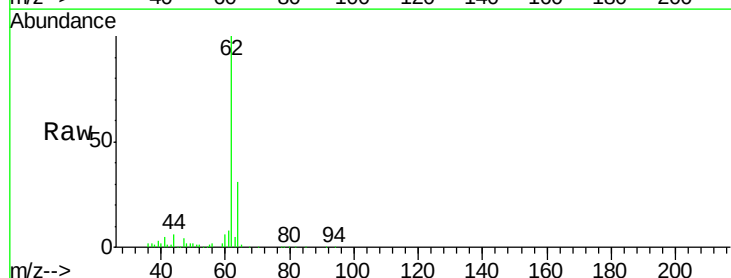
Acq: 10 Jul 2019 21:50

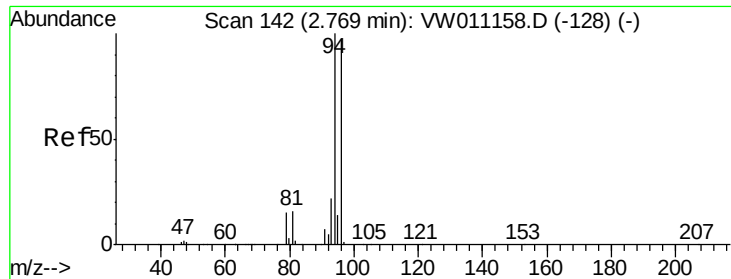
Tgt Ion: 62 Resp: 98211

Ion Ratio Lower Upper

62 100

64 31.4 26.6 40.0





#5

Bromomethane

Concen: 48.383 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 94 Resp: 47422

Ion Ratio Lower Upper

94 100

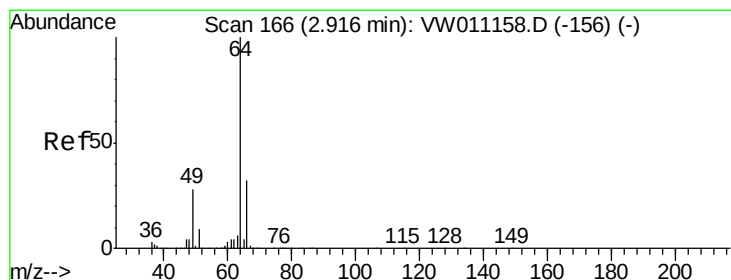
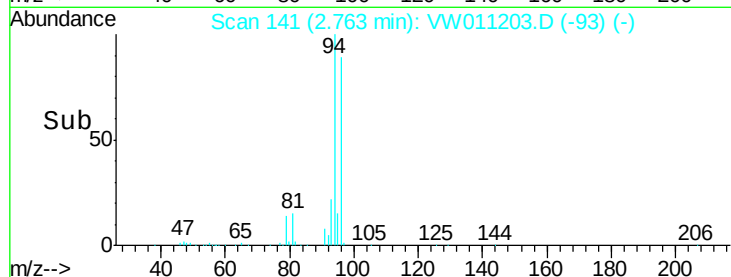
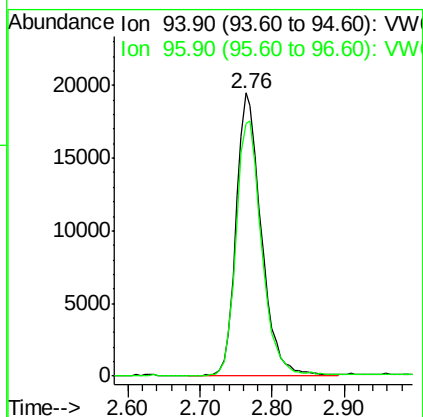
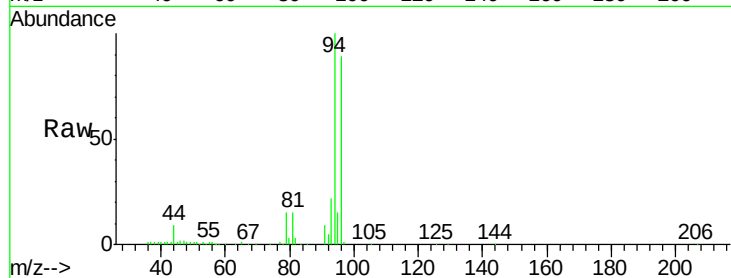
96 89.2 77.4 116.0

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#6

Chloroethane

Concen: 50.851 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011203.D

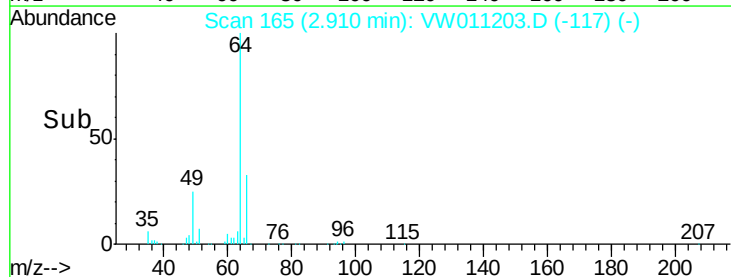
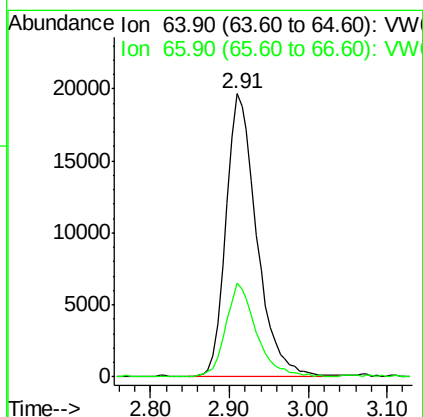
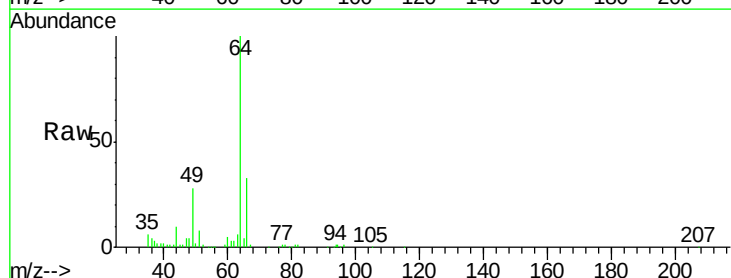
Acq: 10 Jul 2019 21:50

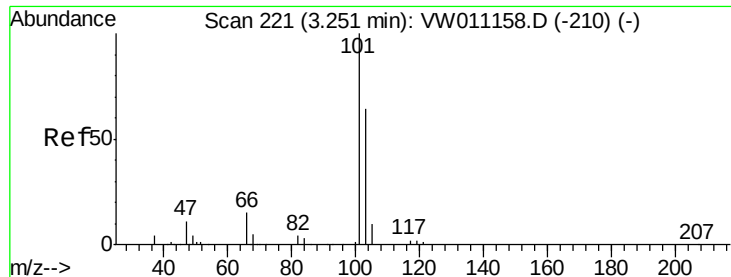
Tgt Ion: 64 Resp: 53425

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.8





#7

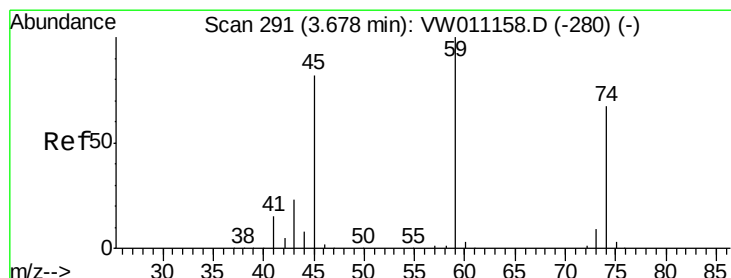
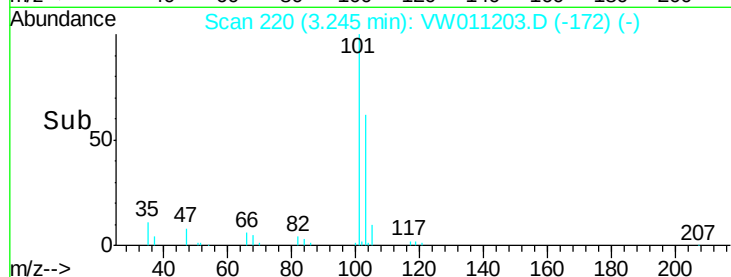
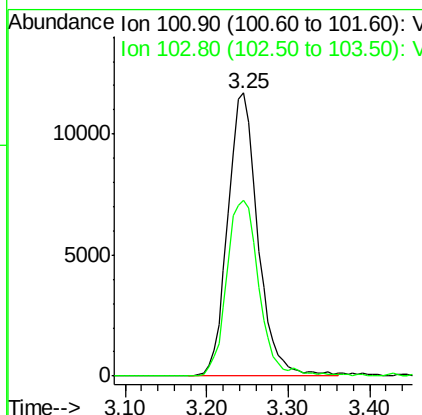
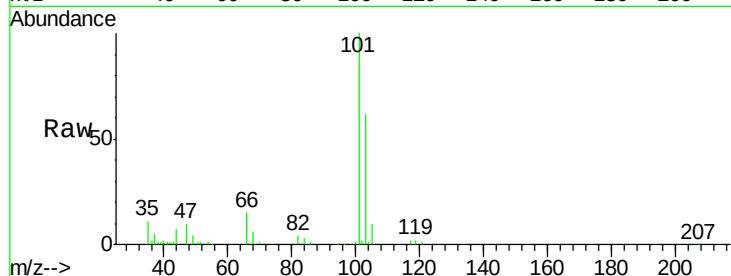
Trichlorofluoromethane
Concen: 43.116 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.3	76.9

Manual Integrations
APPROVED

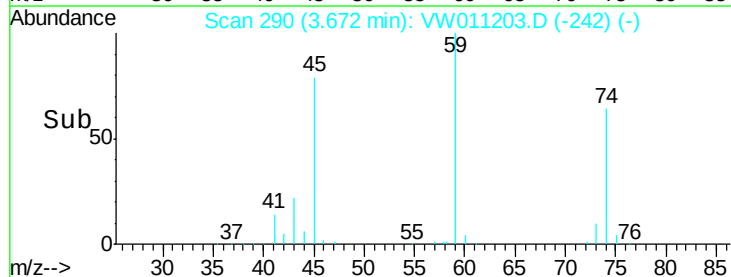
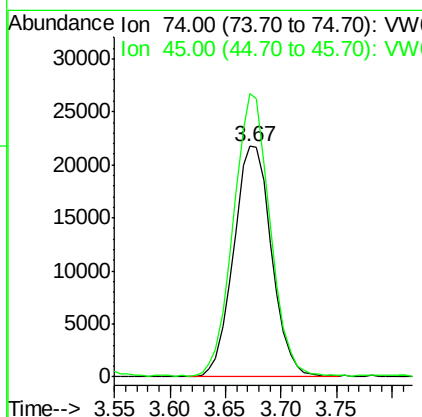
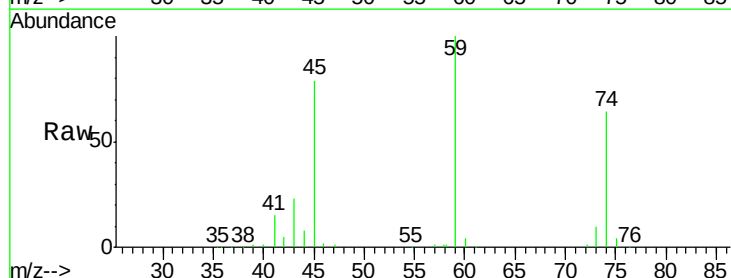
MMDadoda
7/11/2019 2:50:21 PM

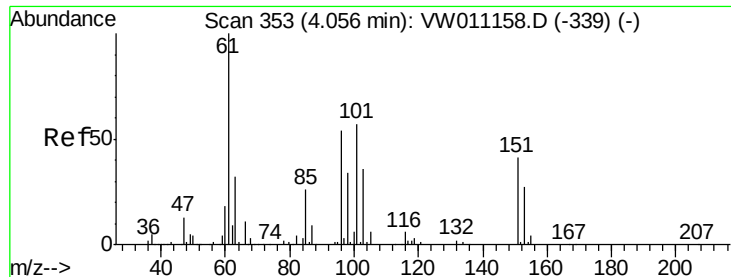


#8

Diethyl Ether
Concen: 53.720 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.055 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

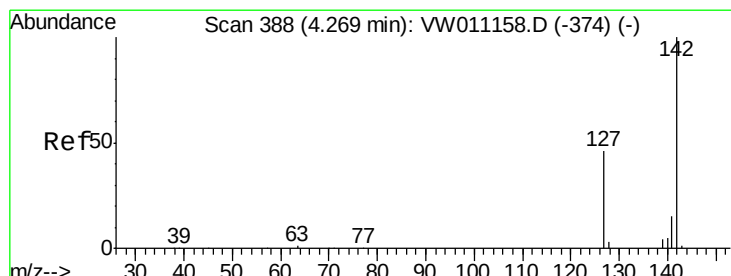
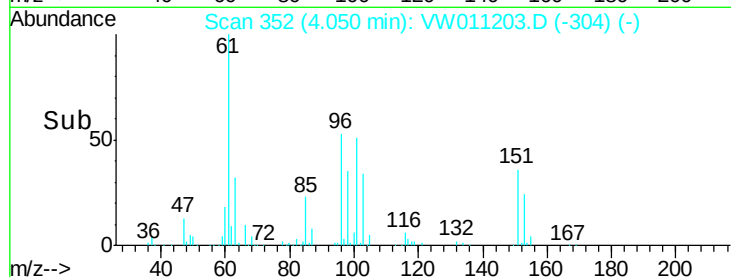
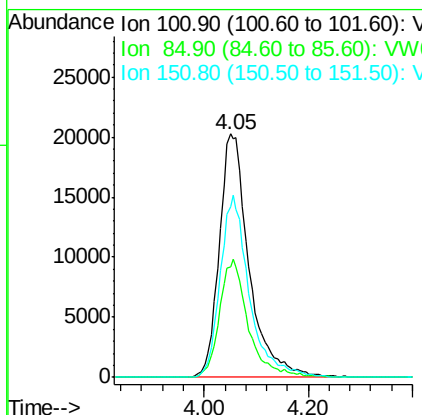
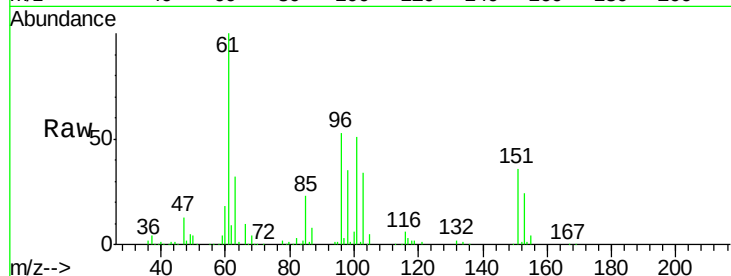
ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion:	101	Resp:	81422
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.5	54.7
151	73.0	59.1	88.7

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM



#10

Methyl Iodide

Concen: 43.268 ug/l

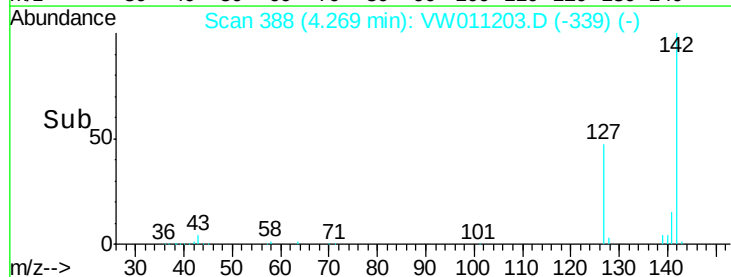
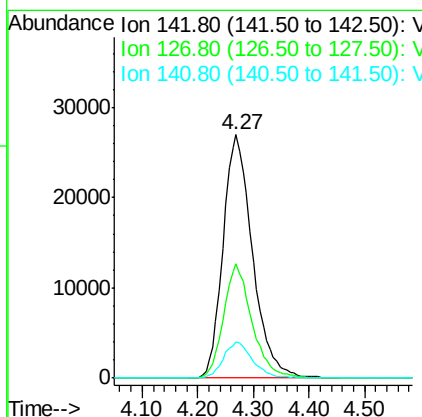
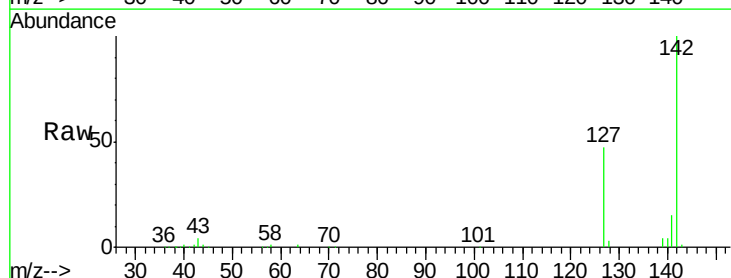
RT: 4.27 min Scan# 388

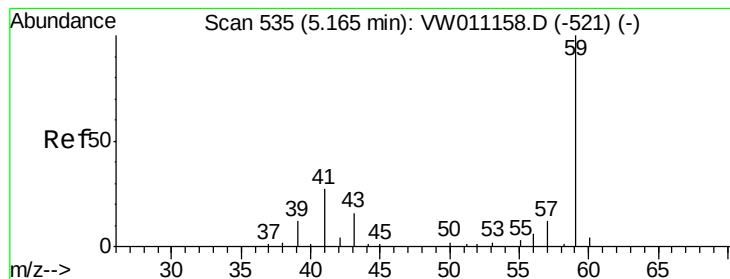
Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion:	142	Resp:	98774
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.7	53.5
141	14.8	11.5	17.3





#11

Tert butyl alcohol

Concen: 278.508 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 59 Resp: 40179

Ion Ratio Lower Upper

59 100

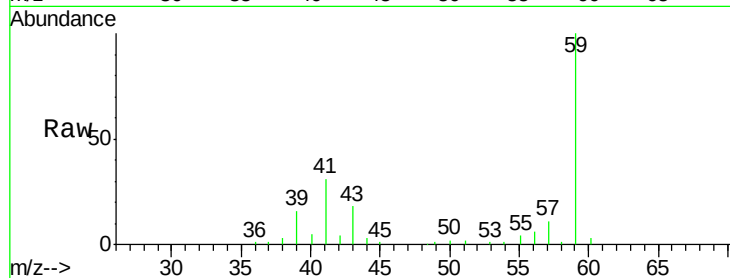
57 10.7 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

12000

10000

8000

6000

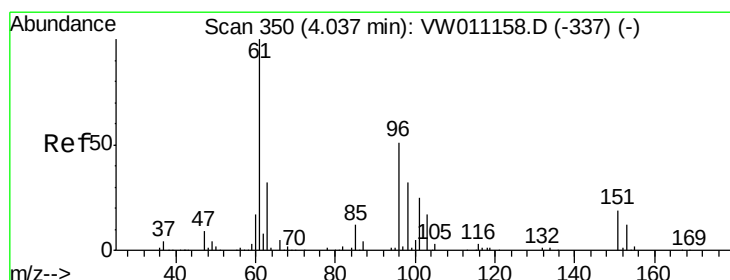
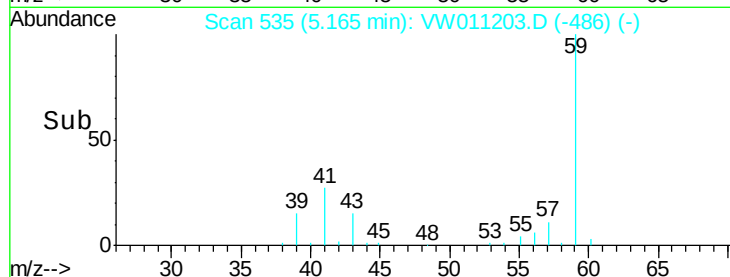
4000

2000

0

5.00 5.10 5.20 5.30

Time-->



#12

1,1-Dichloroethene

Concen: 51.257 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

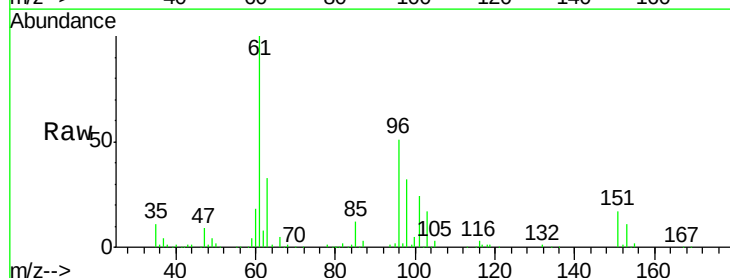
Tgt Ion: 96 Resp: 88302

Ion Ratio Lower Upper

96 100

61 195.3 157.7 236.5

98 63.2 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

60000

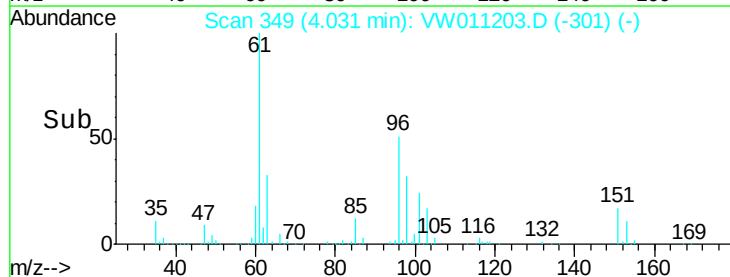
40000

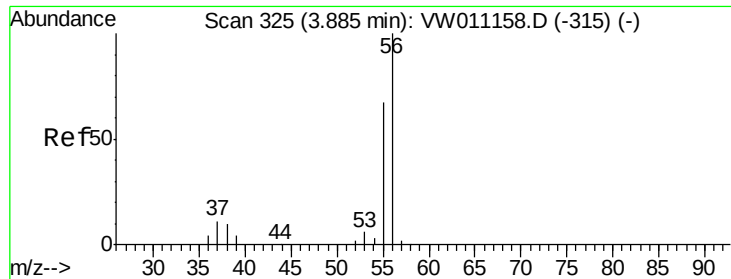
20000

0

3.90 4.00 4.10 4.20

Time-->





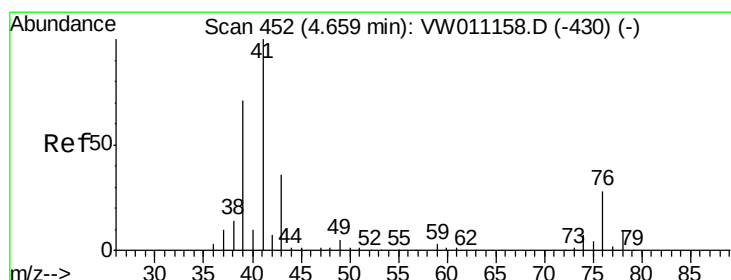
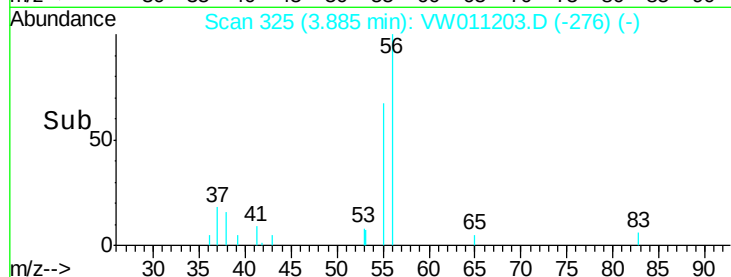
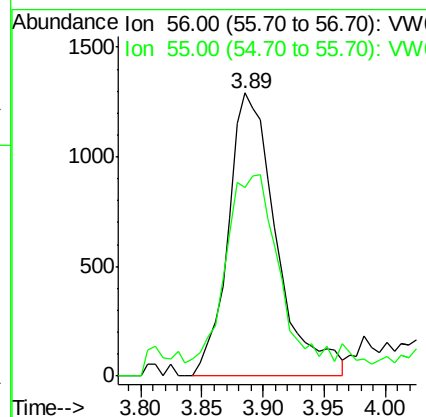
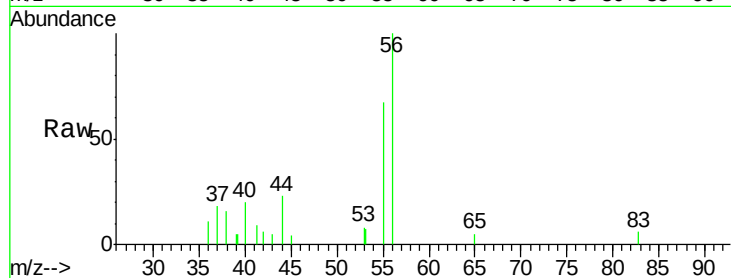
#13
Acrolein
Concen: 30.676 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	56	55	Ratio	Lower	Upper
3524	100	74.7		56.4	84.6

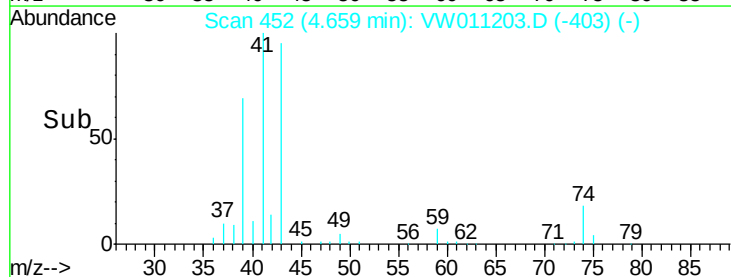
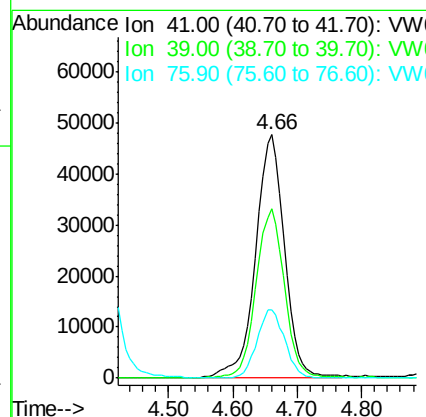
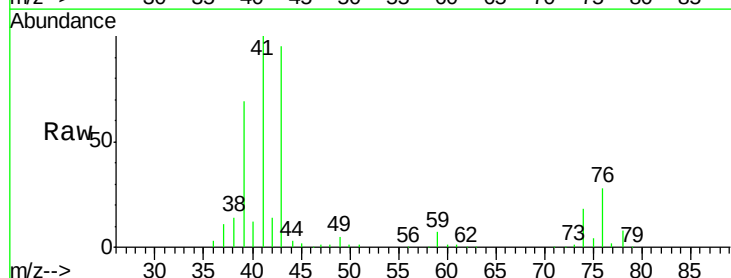
Manual Integrations
APPROVED

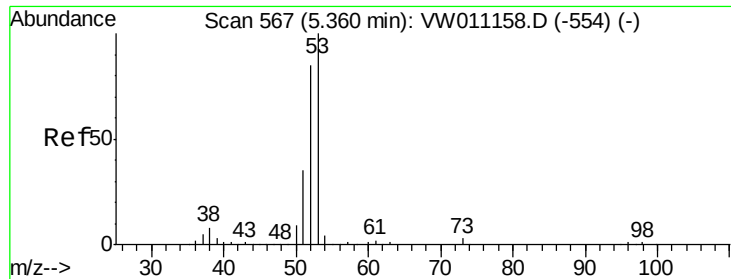
MMDadoda
7/11/2019 2:50:21 PM



#14
Allyl chloride
Concen: 46.779 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	41	39	76	Ratio	Lower	Upper
146953	100	68.2	26.4		55.1	82.7
					22.5	33.7





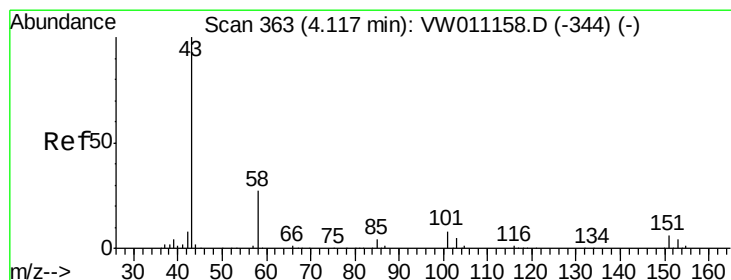
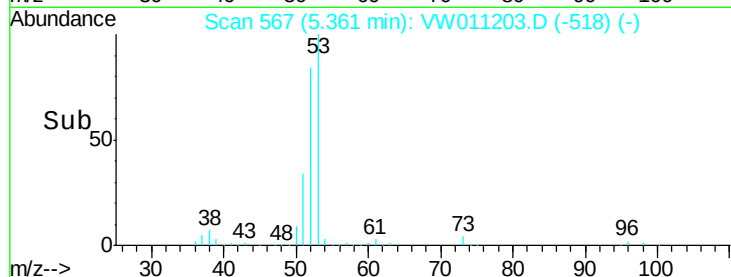
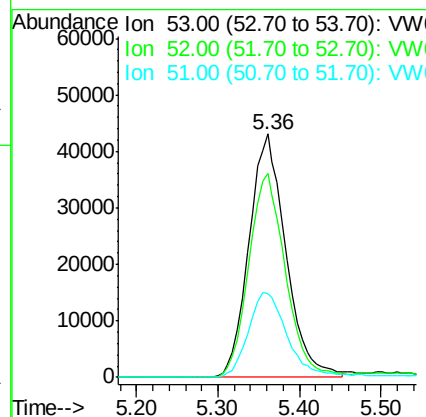
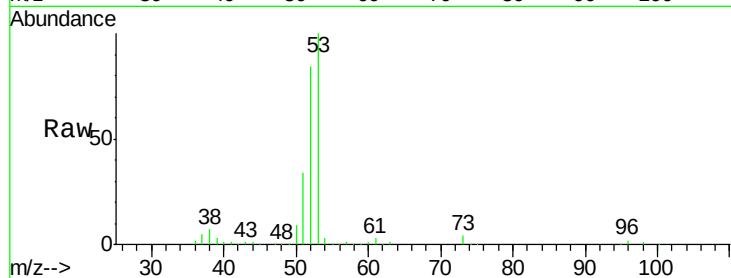
#15
 Acrylonitrile
 Concen: 277.289 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion	53	Resp	135400
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.4
51	37.2	29.1	43.7

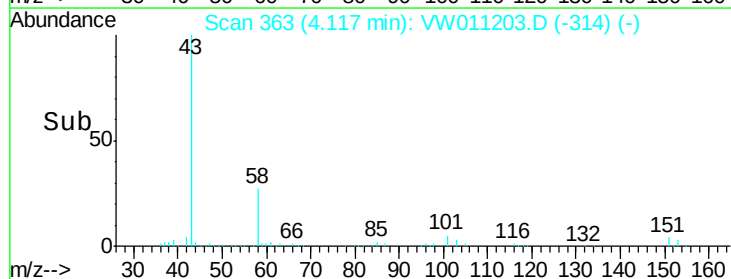
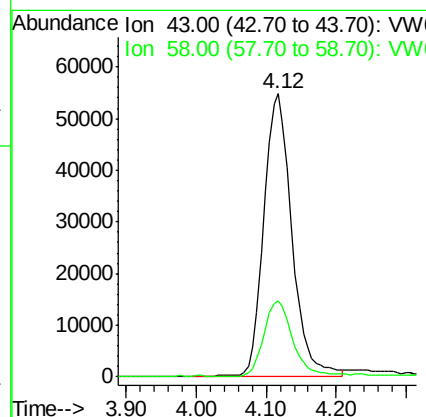
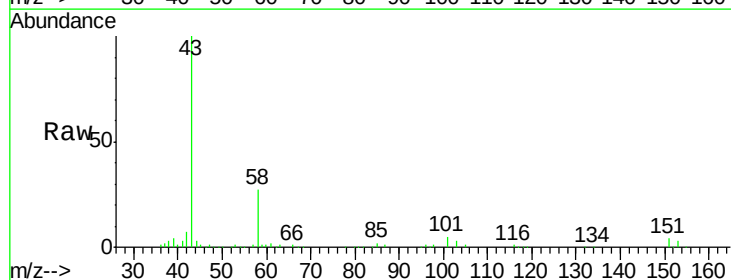
Manual Integrations
 APPROVED

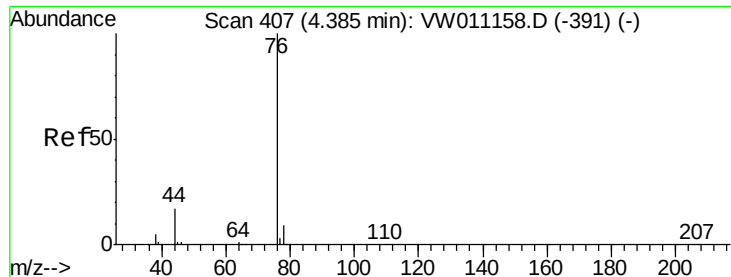
MMDadoda
 7/11/2019 2:50:21 PM



#16
 Acetone
 Concen: 326.934 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion	43	Resp	153282
Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.8	32.6





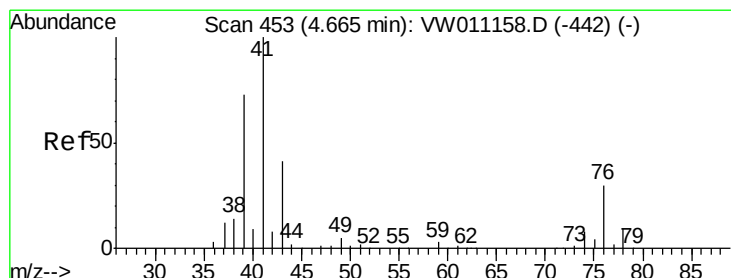
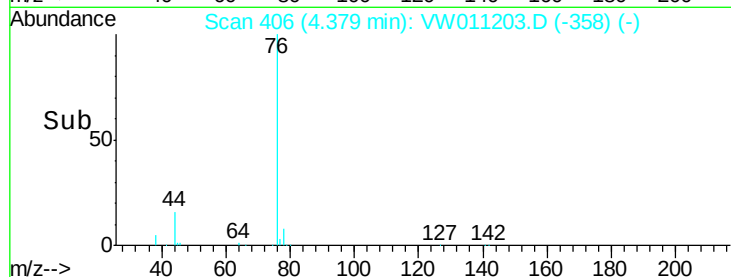
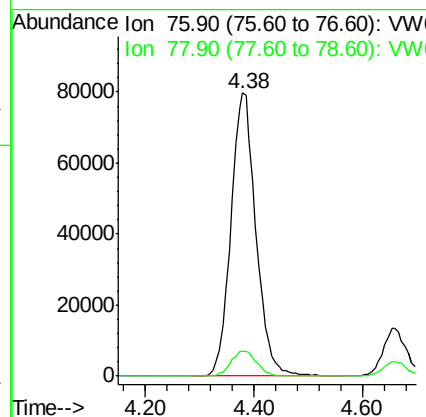
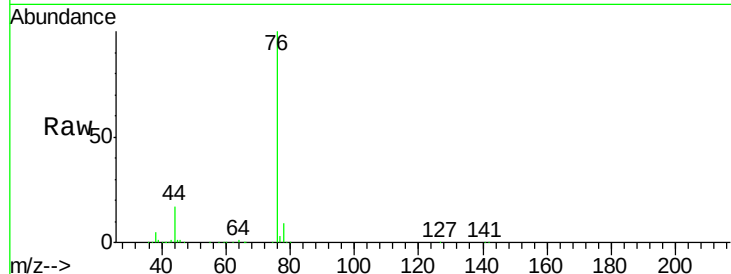
#17
Carbon Disulfide
Concen: 48.823 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
76	100	254989		
78	8.8		7.1	10.7

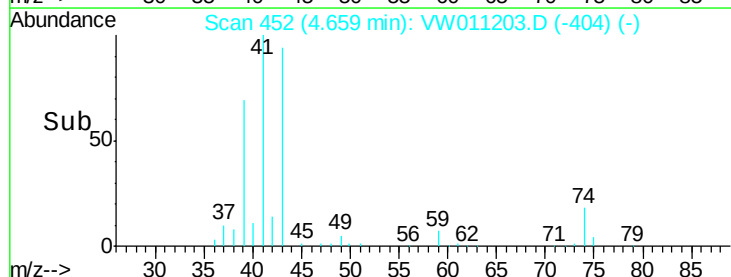
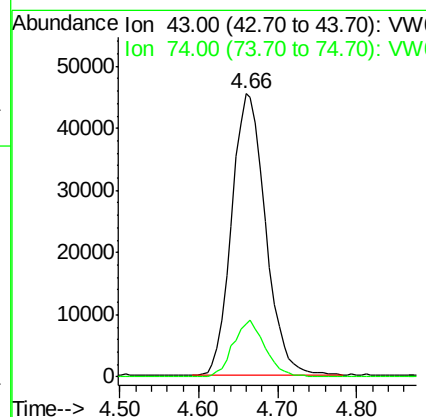
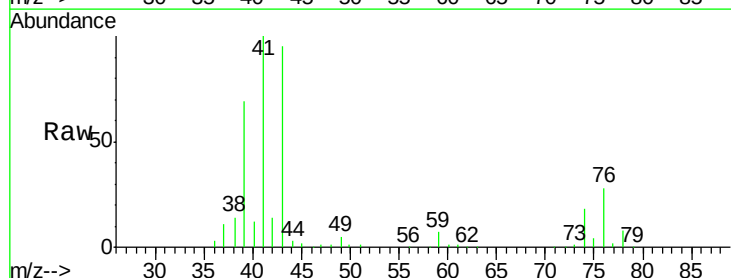
Manual Integrations
APPROVED

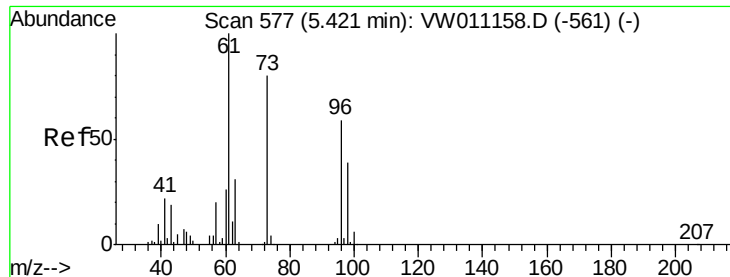
MMDadoda
7/11/2019 2:50:21 PM



#18
Methyl Acetate
Concen: 103.670 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	136200		
74	19.0		15.7	23.5





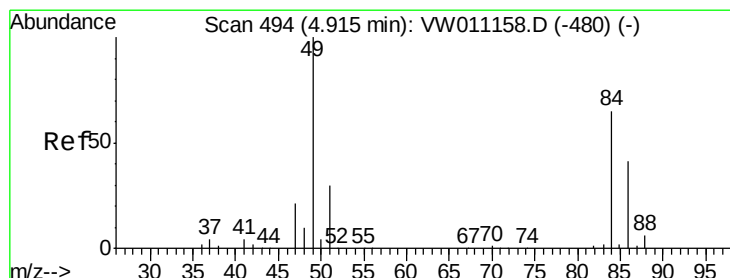
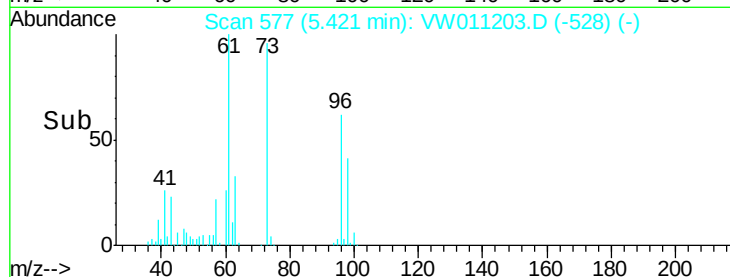
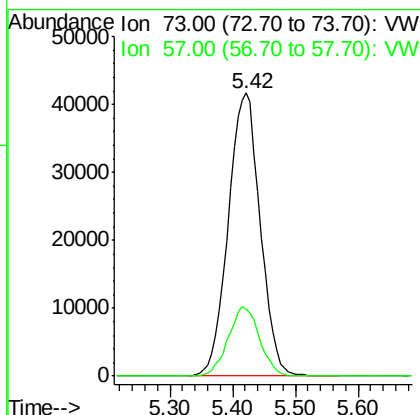
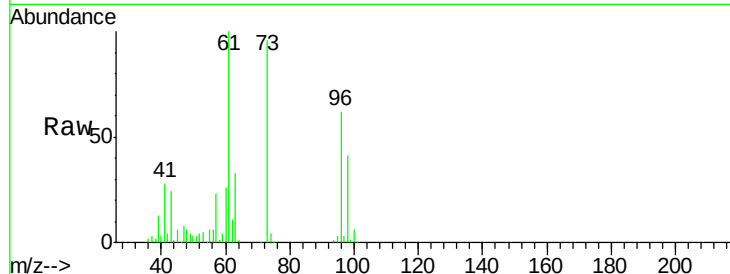
#19
Methyl tert-butyl Ether
Concen: 56.048 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion: 73 Resp: 146505
Ion Ratio Lower Upper
73 100
57 23.9 19.7 29.5

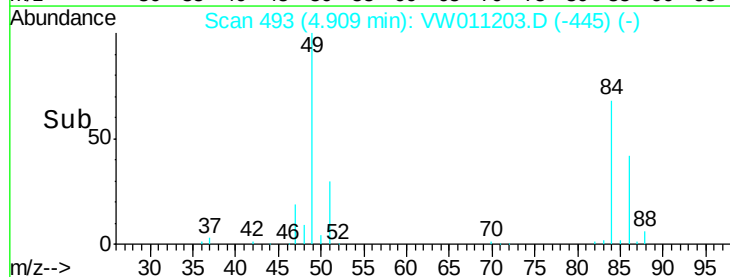
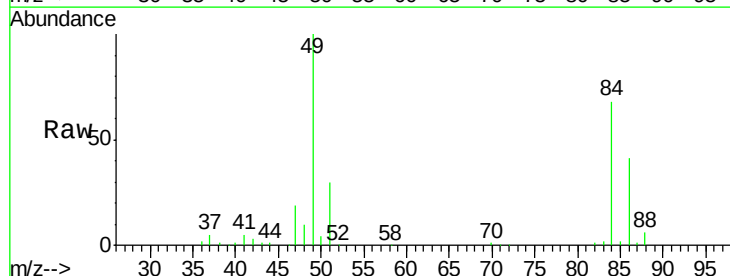
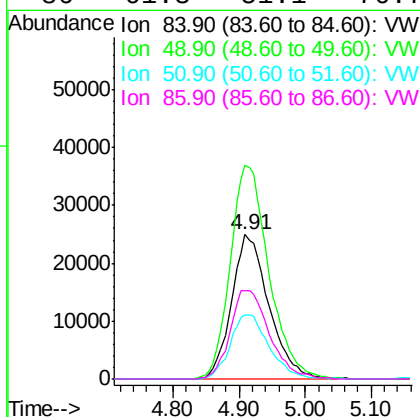
Manual Integrations
APPROVED

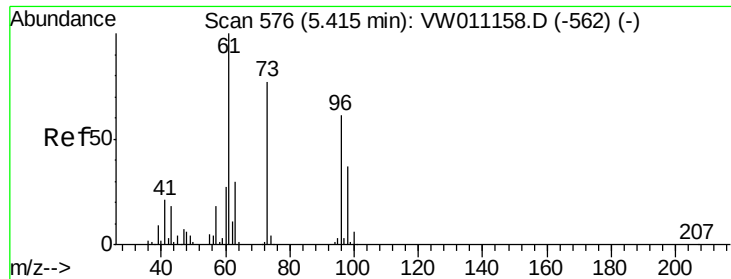
MMDadoda
7/11/2019 2:50:21 PM



#20
Methylene Chloride
Concen: 52.761 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 84 Resp: 97585
Ion Ratio Lower Upper
84 100
49 148.0 123.8 185.6
51 44.5 37.4 56.2
86 61.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.754 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 96 Resp: 90852

Ion Ratio Lower Upper

96 100

61 164.6 132.2 198.2

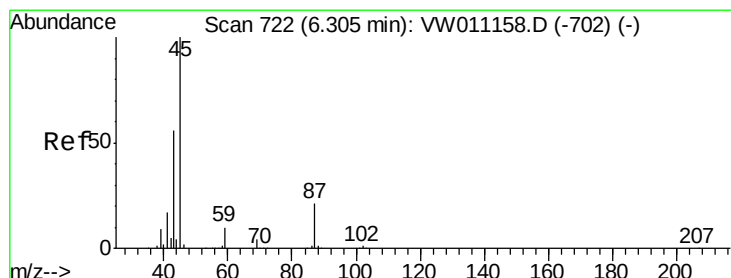
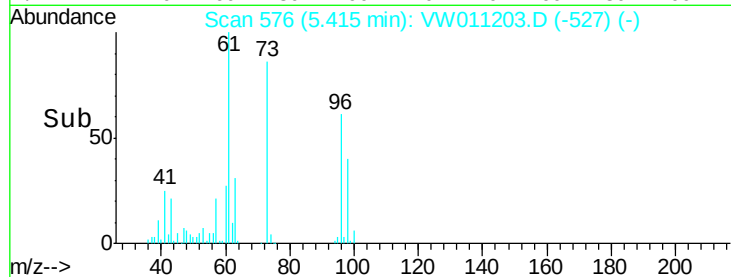
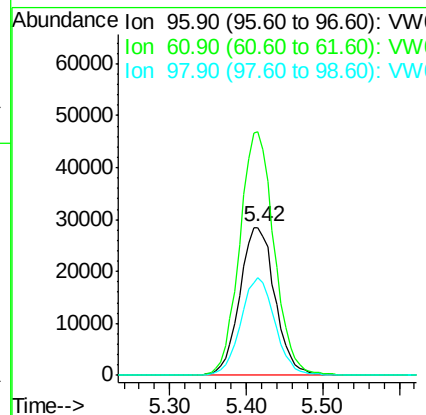
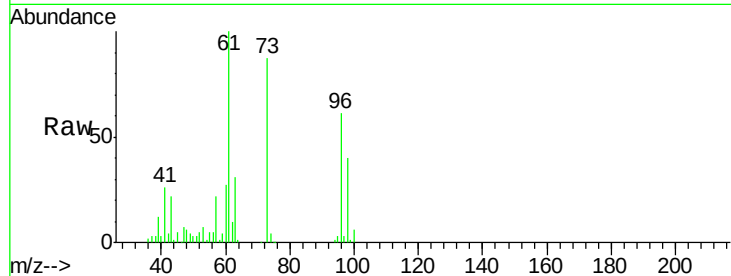
98 65.7 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#22

Diisopropyl ether

Concen: 52.584 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion: 45 Resp: 355292

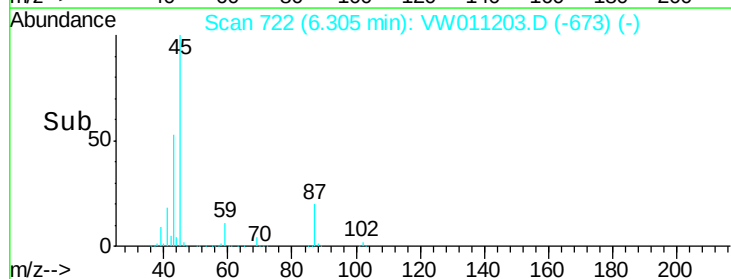
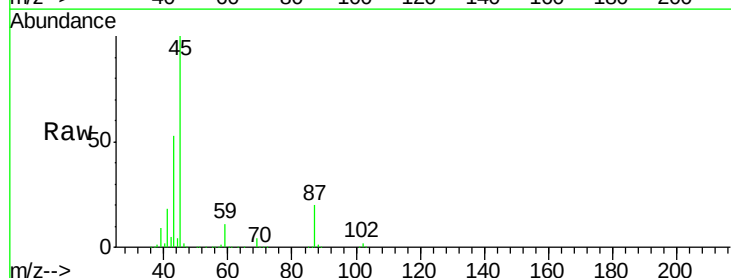
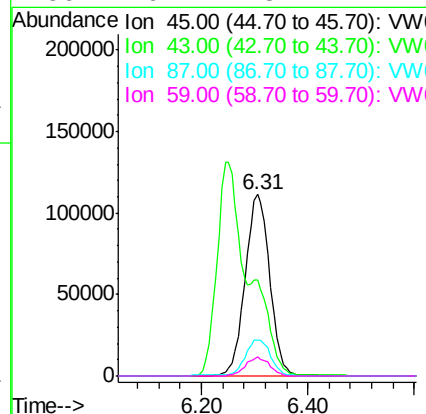
Ion Ratio Lower Upper

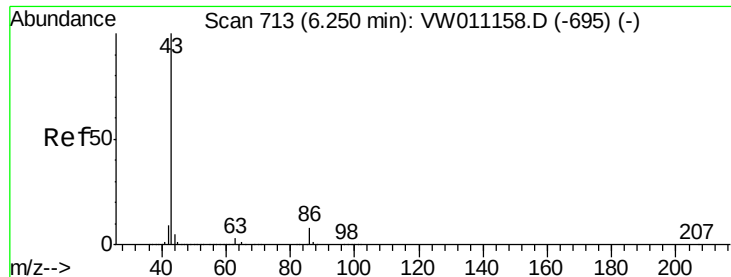
45 100

43 52.6 44.6 66.8

87 20.1 17.3 25.9

59 10.7 8.2 12.2





#23

Vinyl Acetate

Concen: 95.686 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 400113

Ion Ratio Lower Upper

43 100

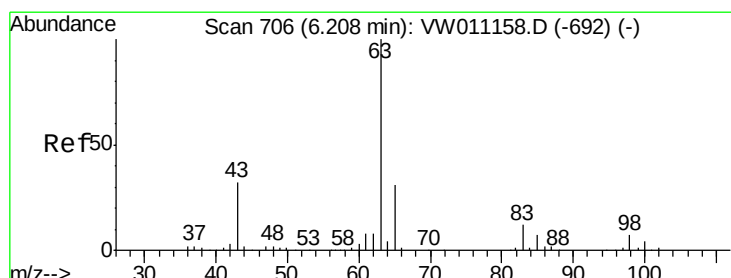
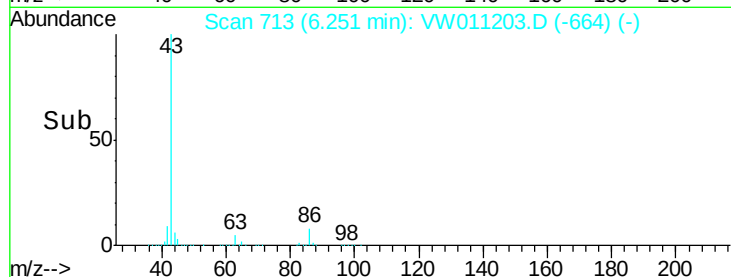
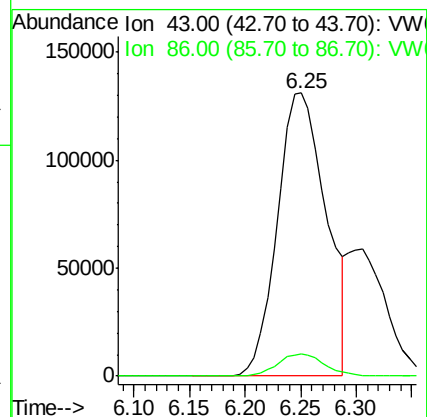
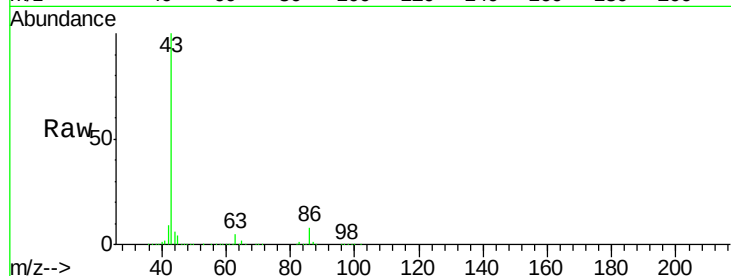
86 7.8 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#24

1,1-Dichloroethane

Concen: 52.071 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

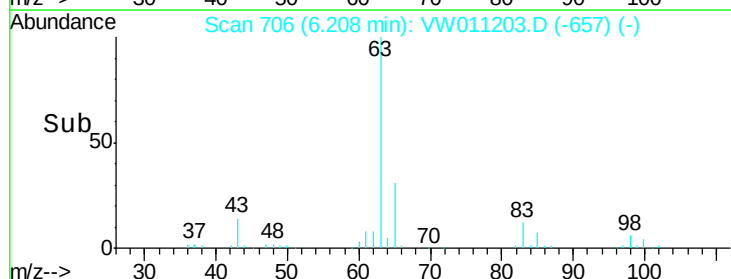
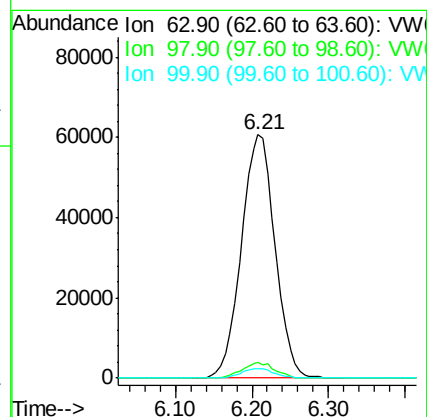
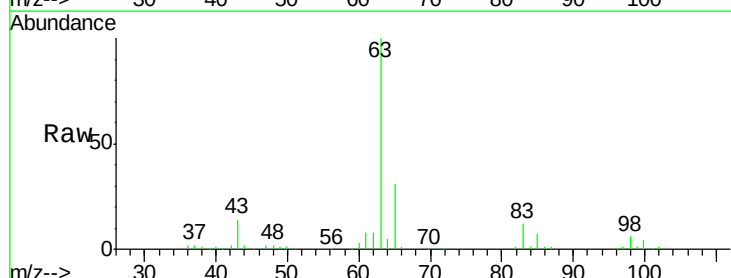
Tgt Ion: 63 Resp: 184748

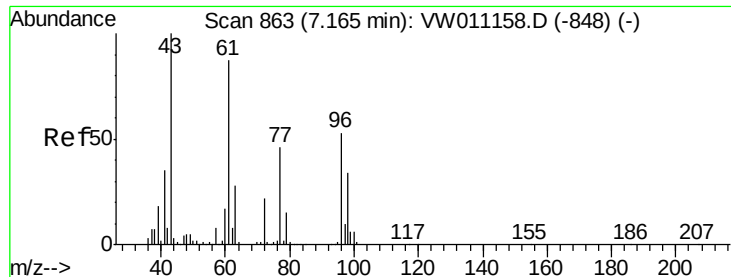
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 303.614 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 223449

Ion Ratio Lower Upper

43 100

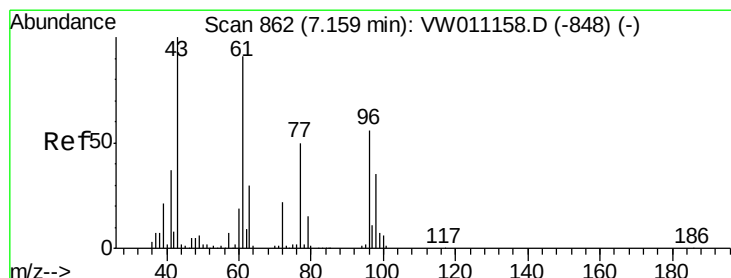
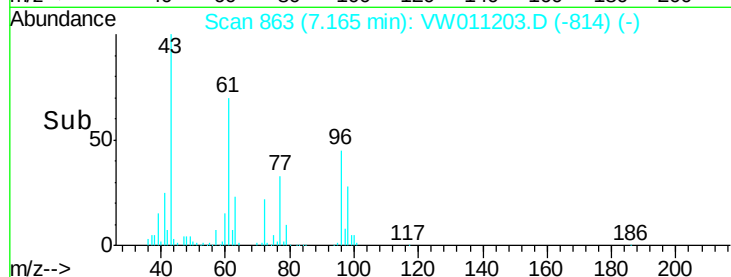
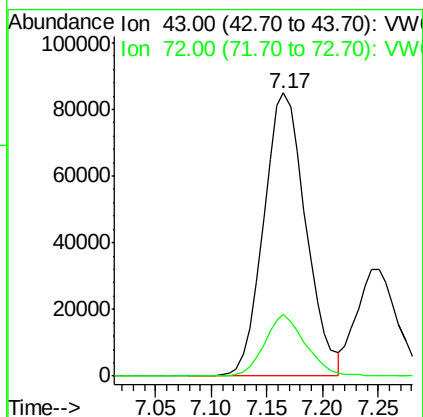
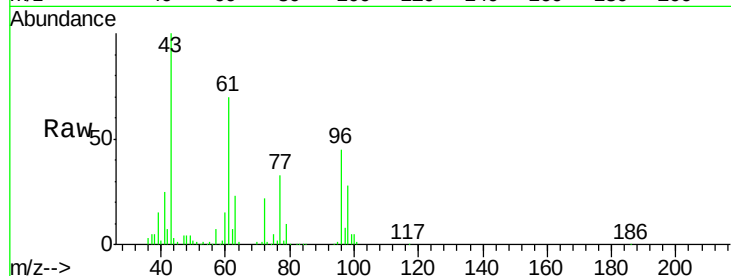
72 22.1 17.6 26.4

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#26

2,2-Dichloropropane

Concen: 45.183 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011203.D

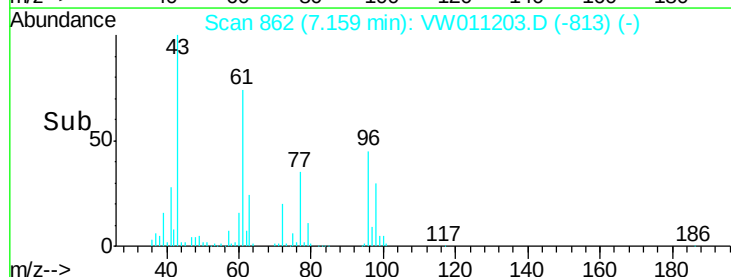
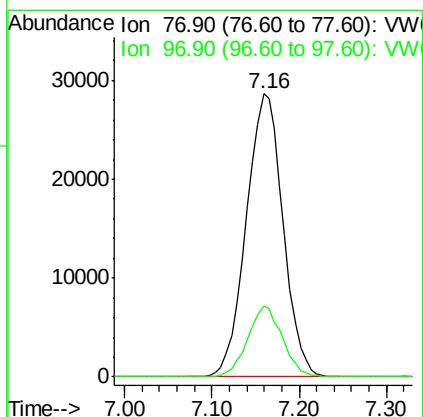
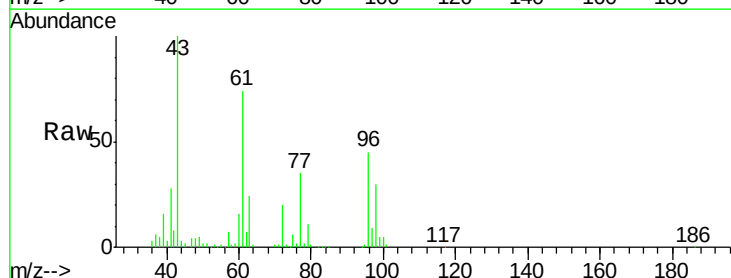
Acq: 10 Jul 2019 21:50

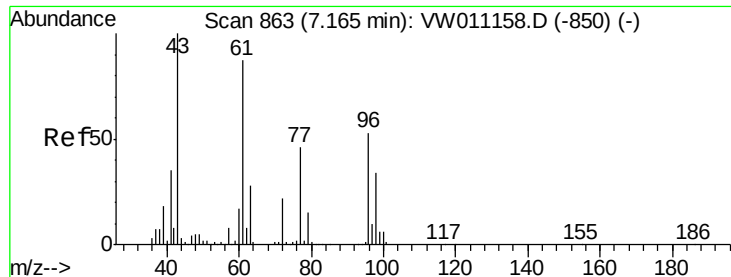
Tgt Ion: 77 Resp: 83331

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.5





#27

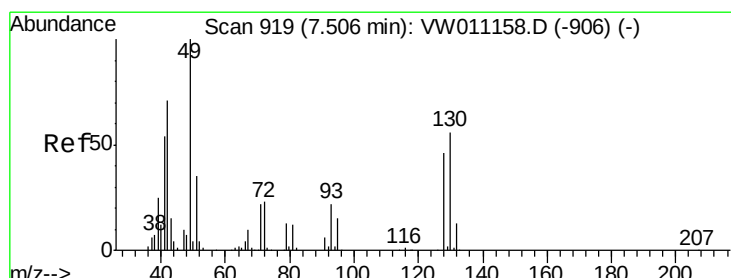
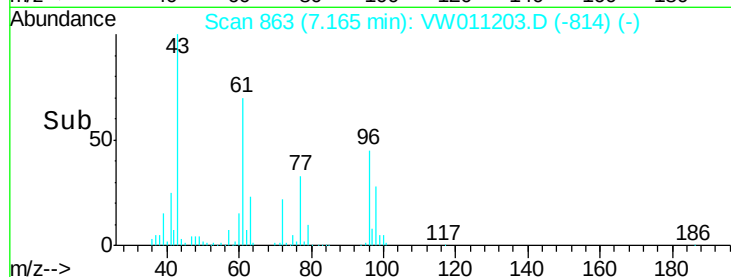
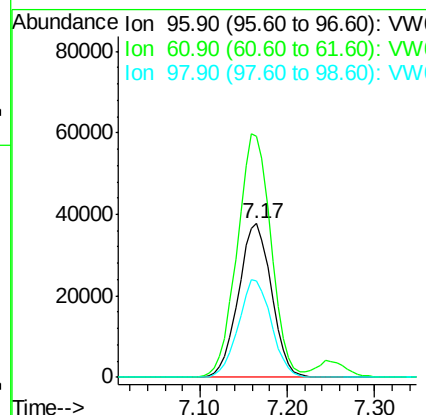
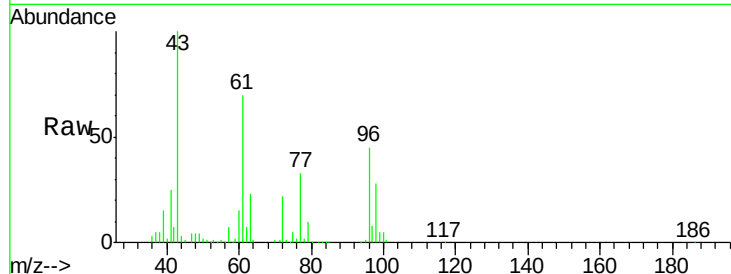
cis-1,2-Dichloroethene
Concen: 51.338 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	325.6
98	63.3	0.0	128.2

Manual Integrations
APPROVED

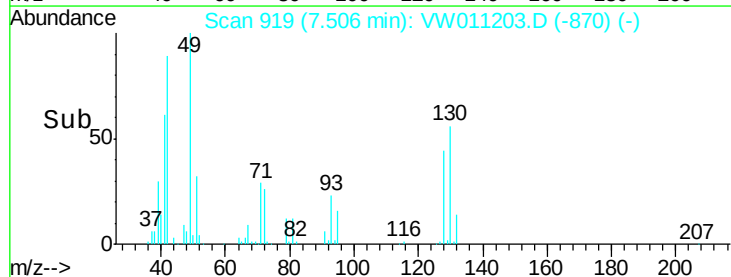
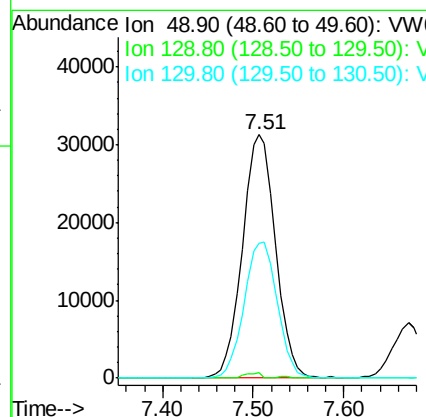
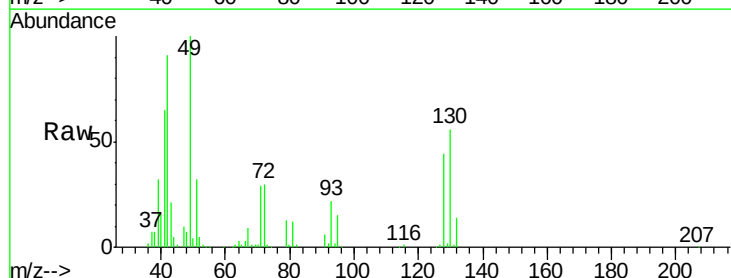
MMDadoda
7/11/2019 2:50:21 PM

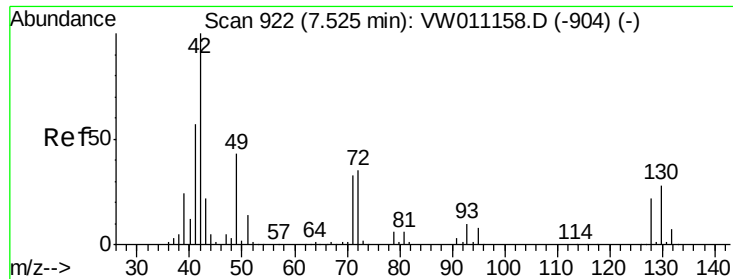


#28

Bromochloromethane
Concen: 48.944 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	56.1	45.8	68.8





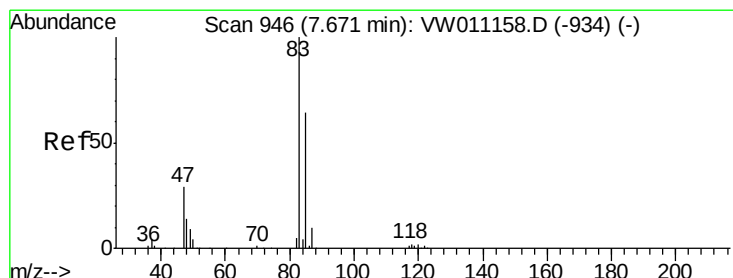
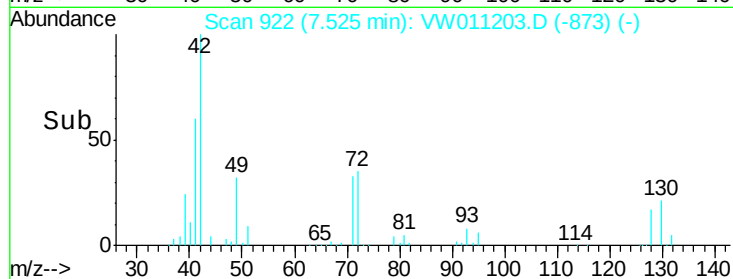
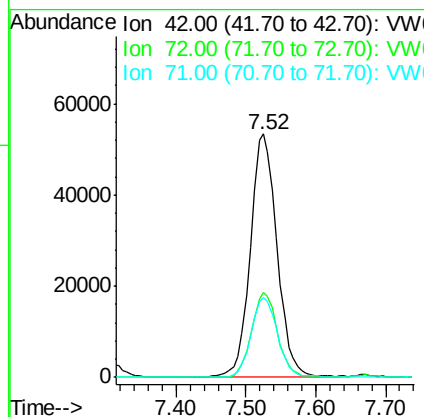
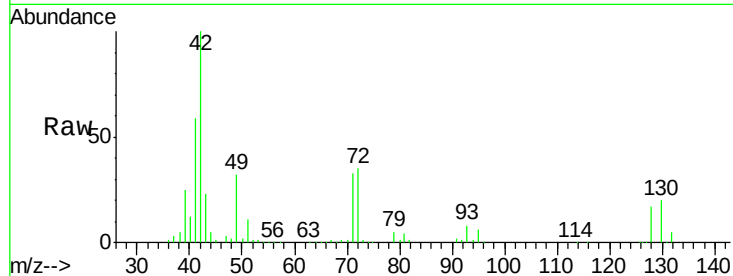
#29
Tetrahydrofuran
Concen: 291.072 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.4	41.2
71	32.7	25.9	38.9

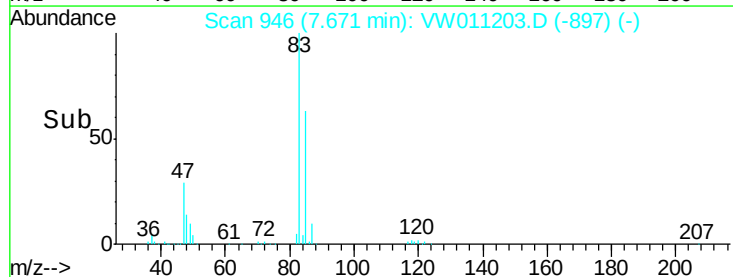
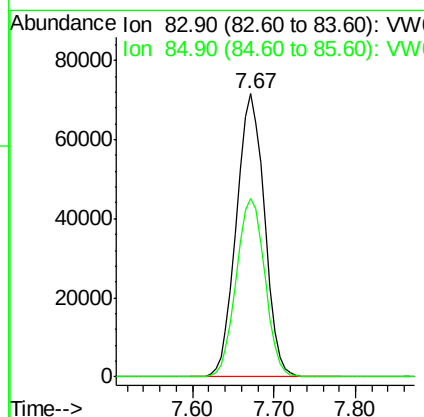
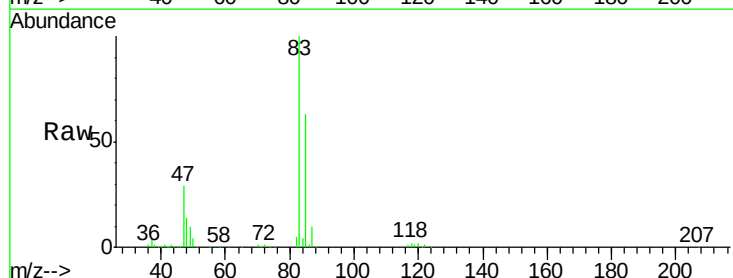
Manual Integrations
APPROVED

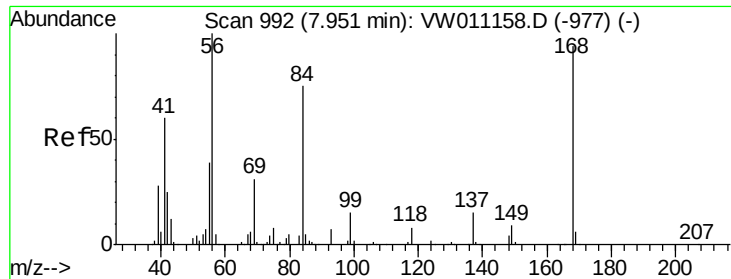
MMDadoda
7/11/2019 2:50:21 PM



#30
Chloroform
Concen: 51.908 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2





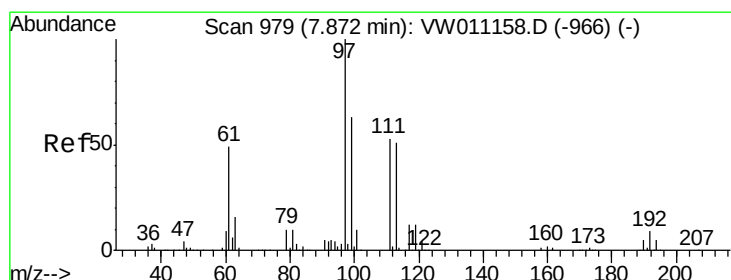
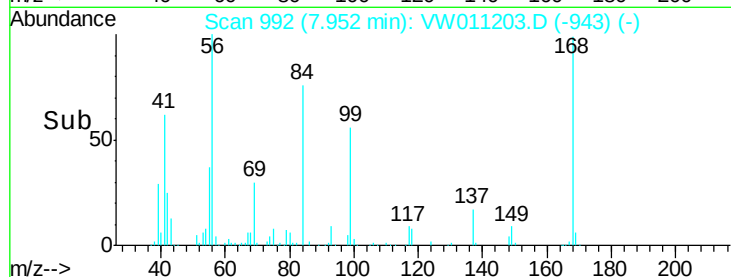
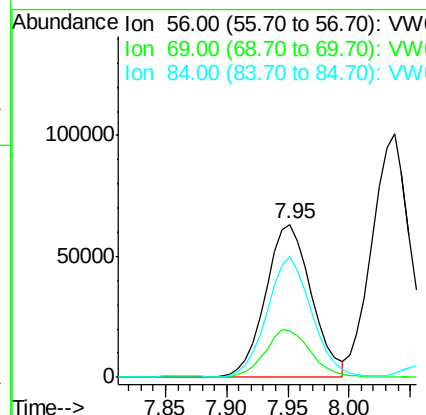
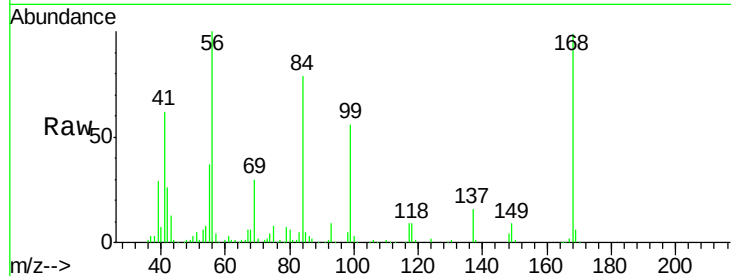
#31
Cyclohexane
Concen: 43.767 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.6	36.8
84	77.2	60.1	90.1

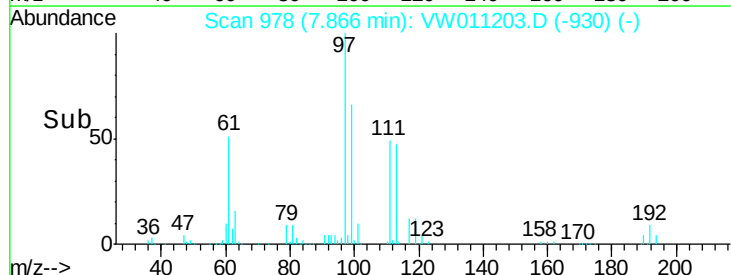
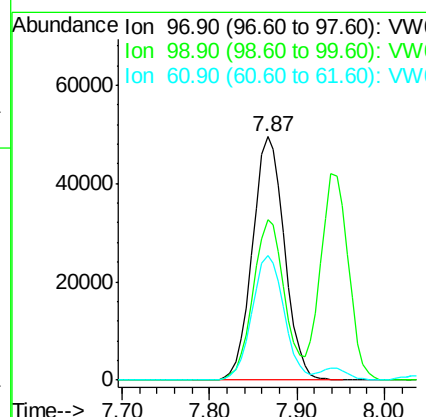
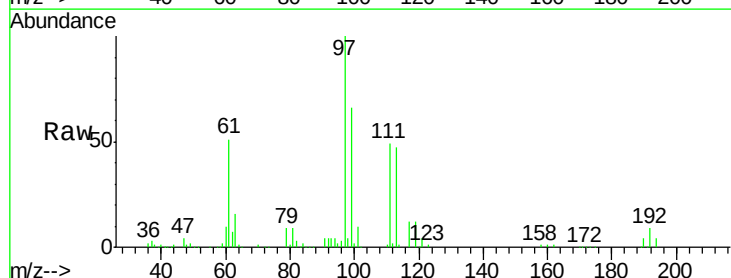
Manual Integrations
APPROVED

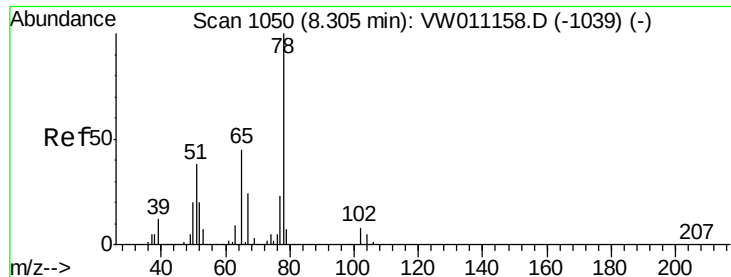
MMDadoda
7/11/2019 2:50:21 PM



#32
1,1,1-Trichloroethane
Concen: 50.268 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	51.2	40.4	60.6





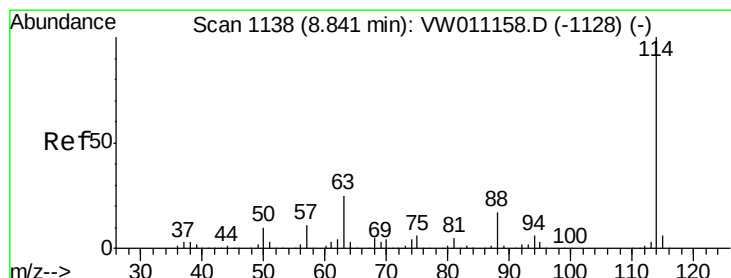
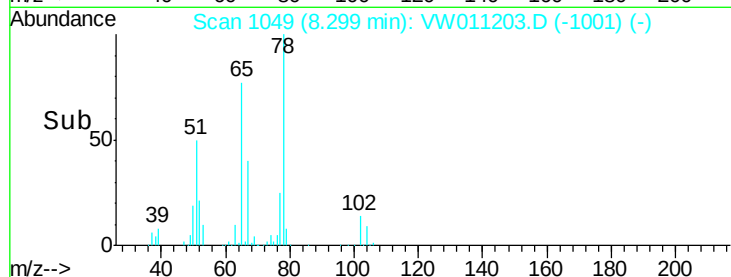
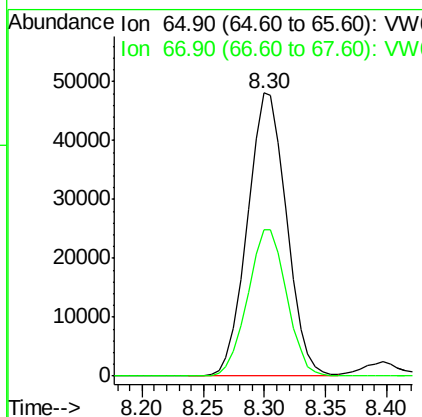
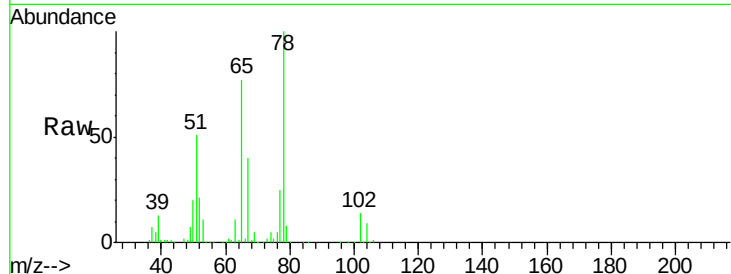
#33
 1,2-Dichloroethane-d4
 Concen: 54.906 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106987		
67	51.9	0.0	104.4	

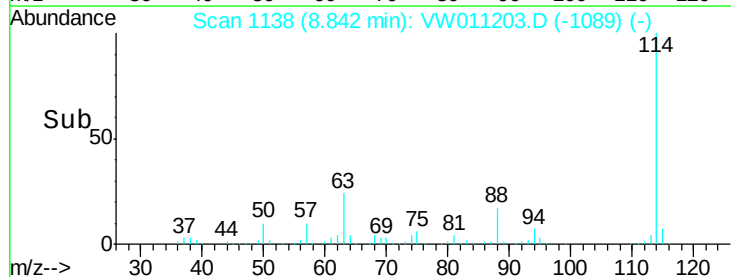
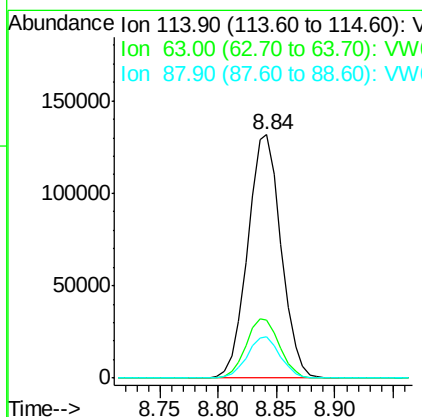
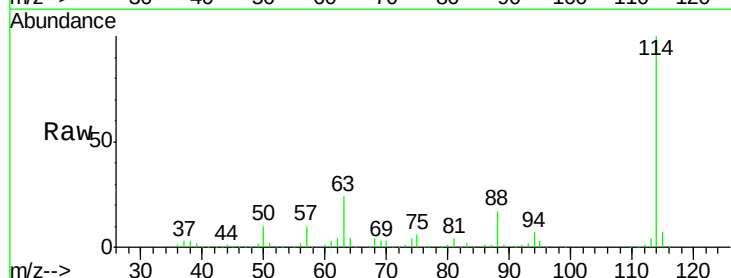
Manual Integrations
 APPROVED

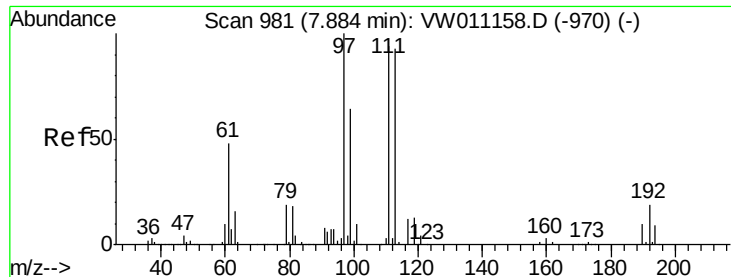
MMDadoda
 7/11/2019 2:50:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262113		
63	23.9	0.0	50.8	
88	16.7	0.0	34.2	





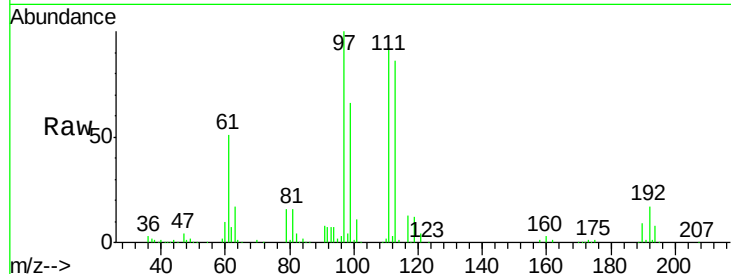
#35
Dibromofluoromethane
Concen: 52.545 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

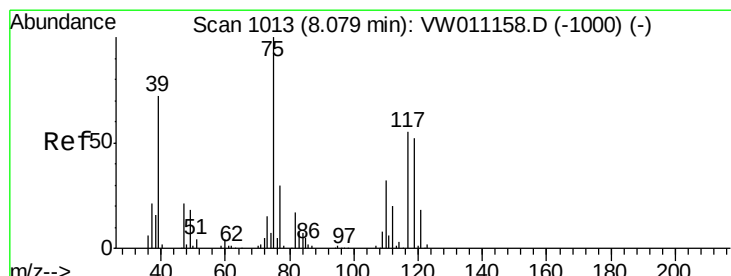
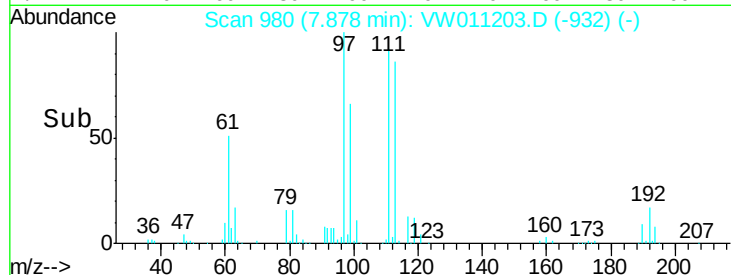
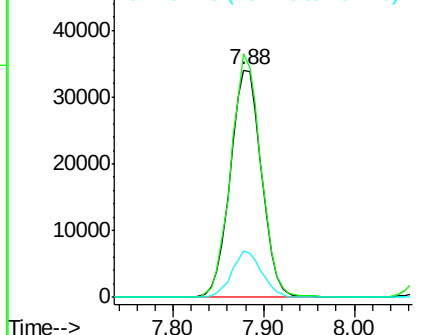
Tot Ion	Ratio	Resp	Lower	Upper
113	100	82092		
111	102.7	82.4	123.6	
192	19.6	15.8	23.8	

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM

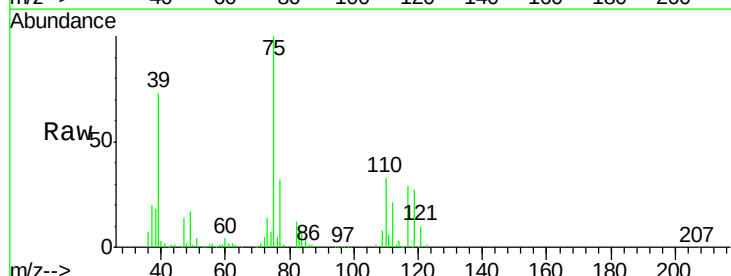


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

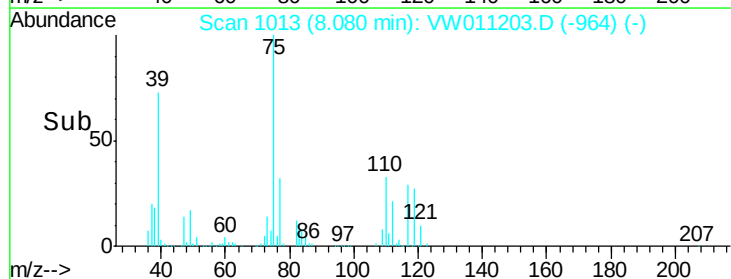
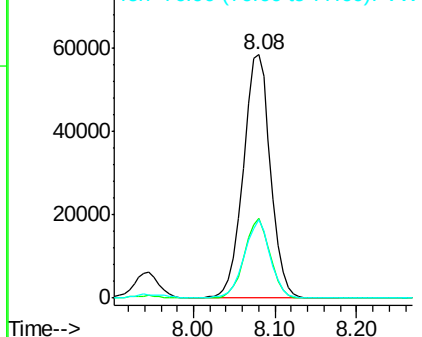


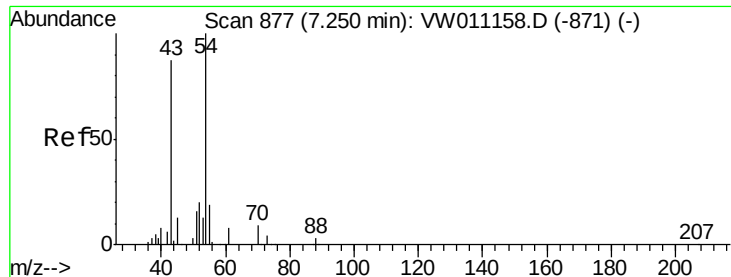
#36
1,1-Dichloropropene
Concen: 48.336 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134917		
110	30.8	15.9	47.6	
77	31.0	24.6	36.8	



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





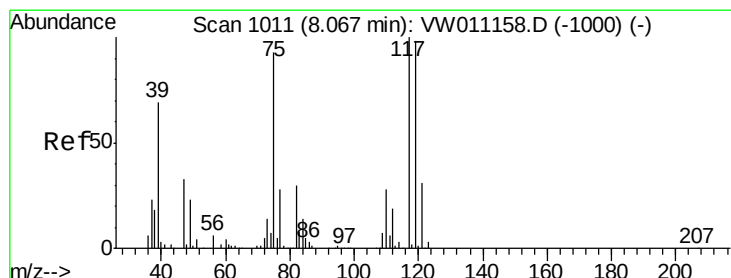
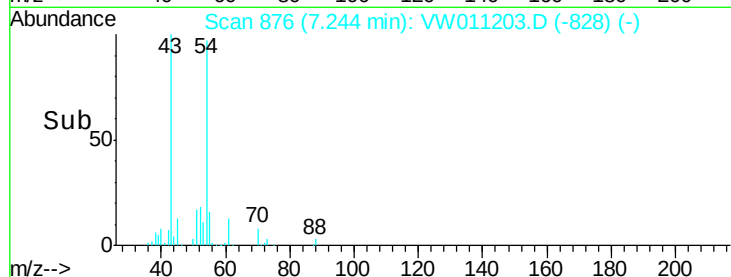
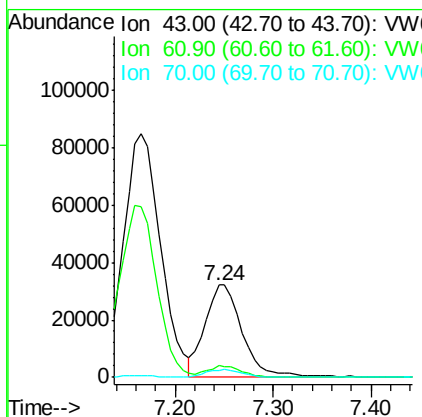
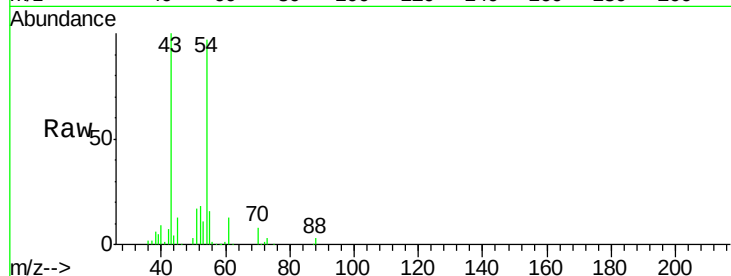
#37
Ethyl Acetate
Concen: 49.740 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.5	14.3
70	8.7	7.1	10.7

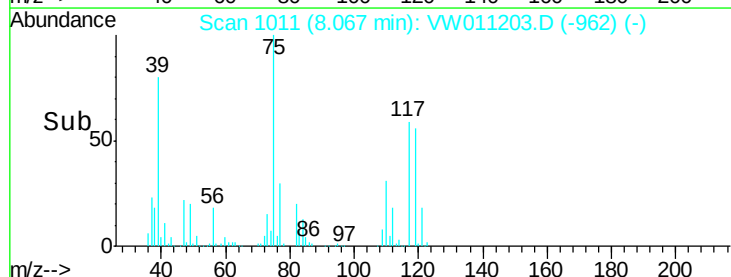
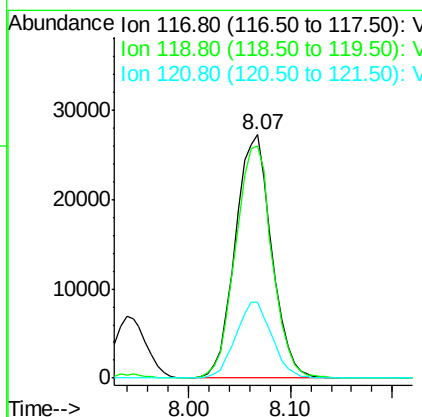
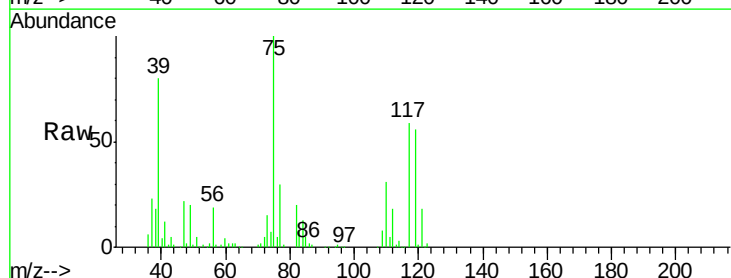
Manual Integrations
APPROVED

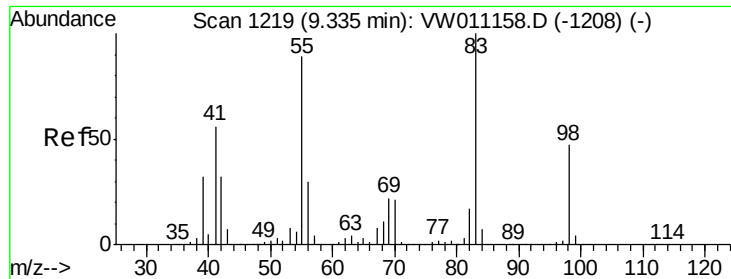
MMDadoda
7/11/2019 2:50:21 PM



#38
Carbon Tetrachloride
Concen: 28.408 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.1	117.1
121	31.1	25.1	37.7





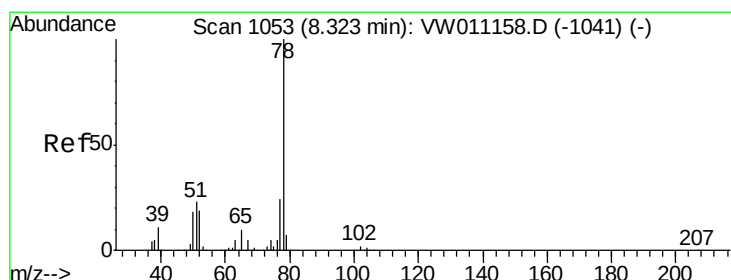
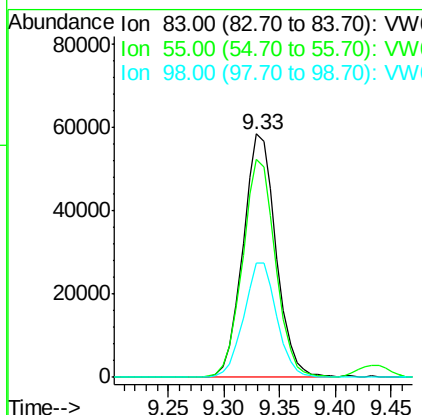
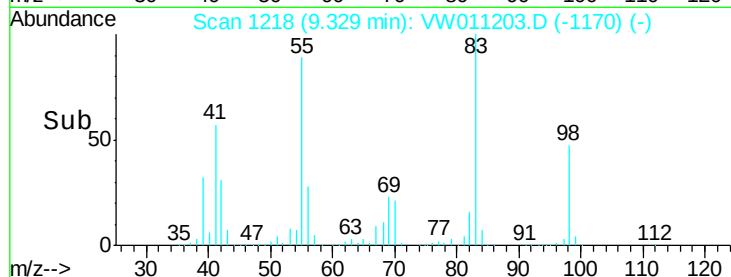
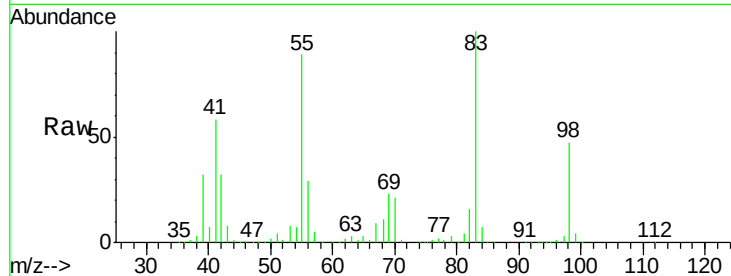
#39
Methylvlcyclohexane
Concen: 35.494 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	71.2	106.8
98	47.2	37.5	56.3

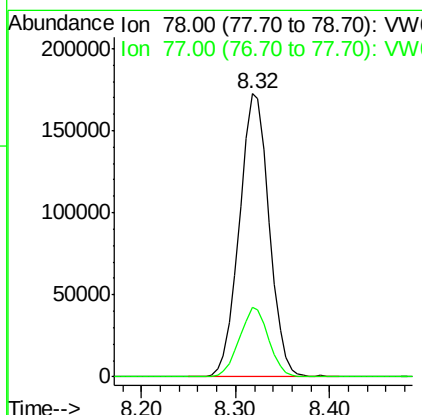
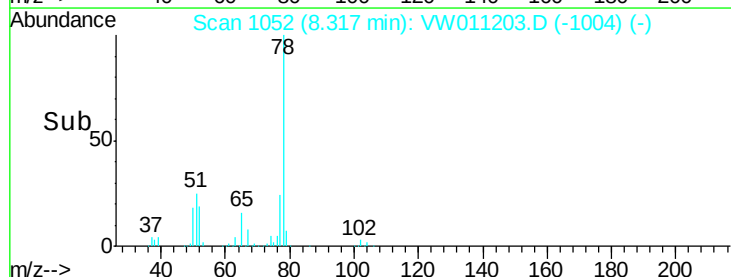
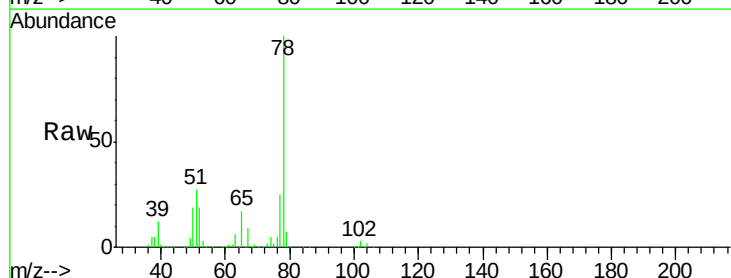
Manual Integrations
APPROVED

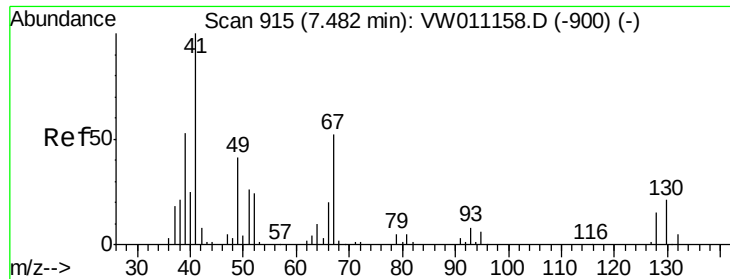
MMDadoda
7/11/2019 2:50:21 PM



#40
Benzene
Concen: 49.576 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.6





#41

Methacrylonitrile

Concen: 53.327 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	48.0	72.0
67	61.0	49.7	74.5
52	28.9	23.4	35.0

Instrument :

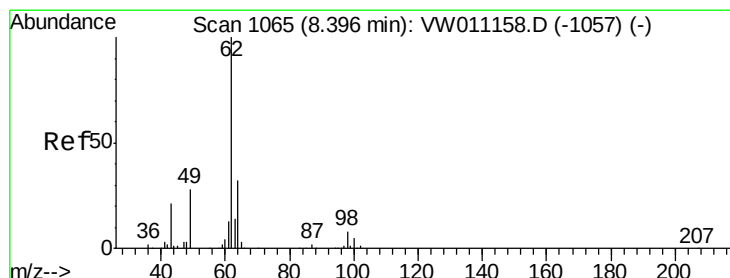
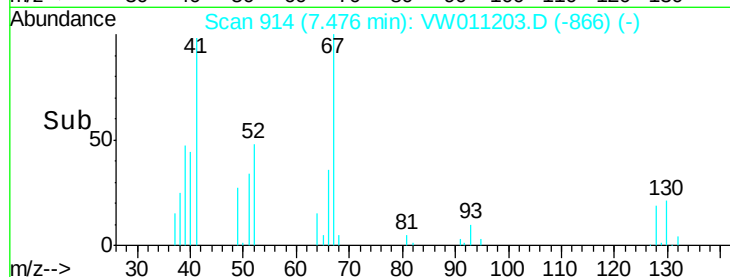
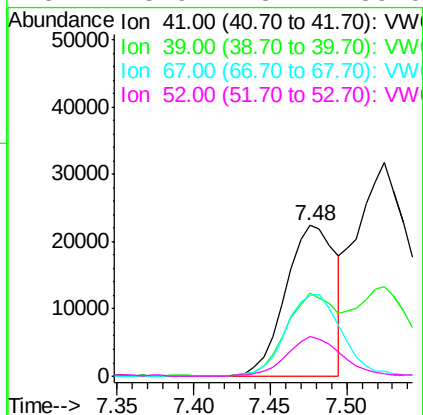
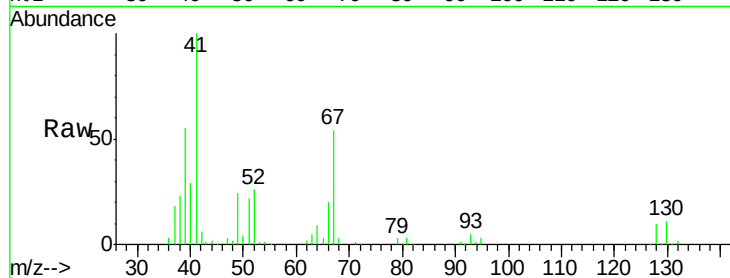
MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM



#42

1,2-Dichloroethane

Concen: 52.251 ug/l

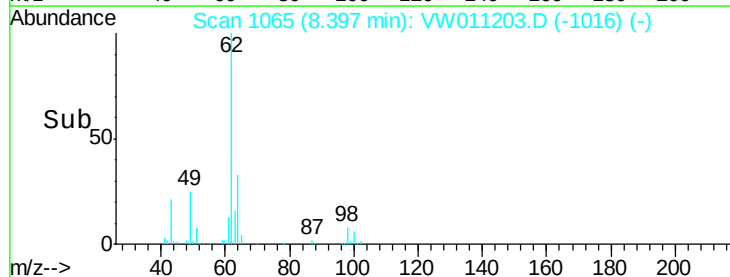
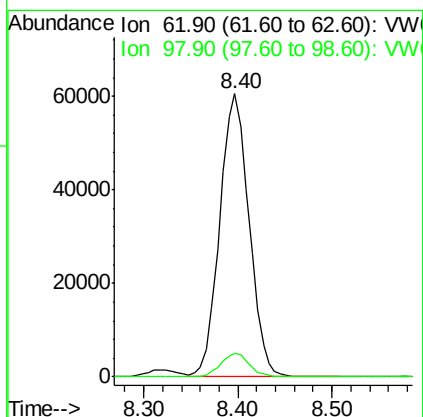
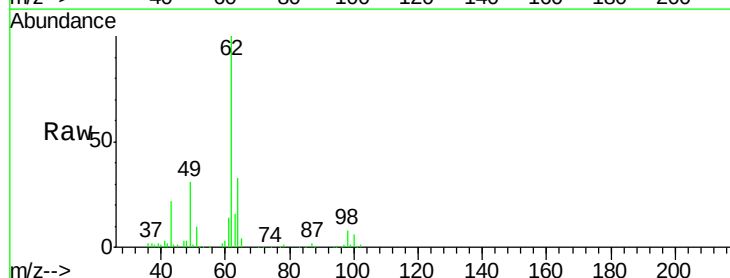
RT: 8.40 min Scan# 1065

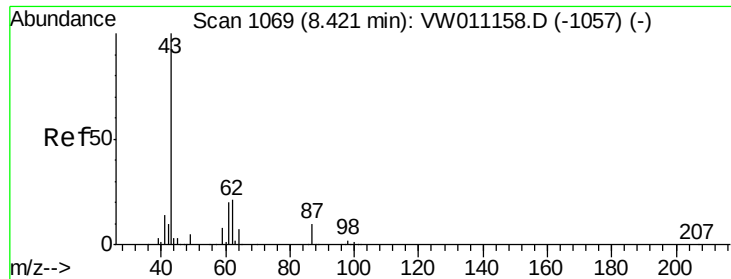
Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.834 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

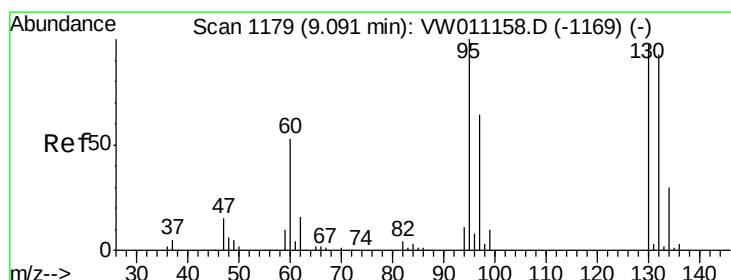
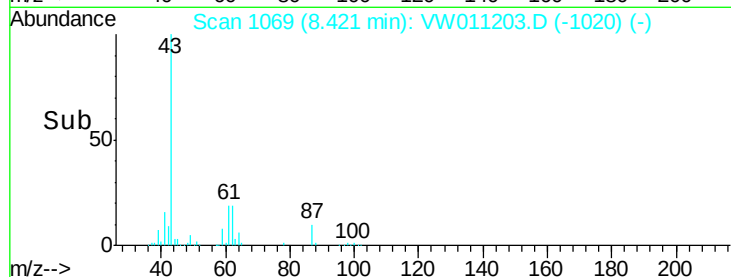
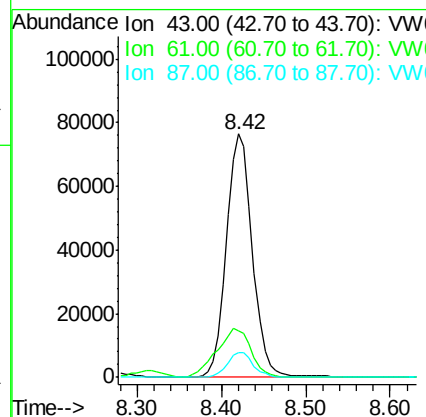
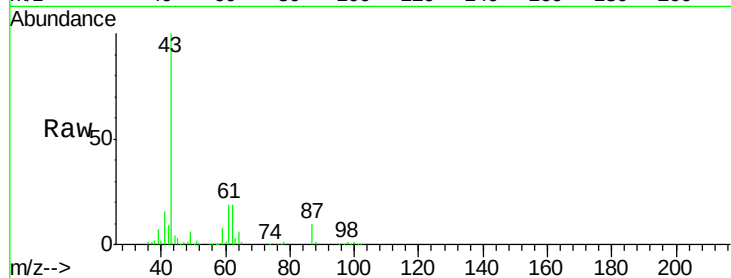
ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion:	43	Resp:	160954
Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.7	31.1
87	10.3	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM



#44

Trichloroethene

Concen: 53.180 ug/l

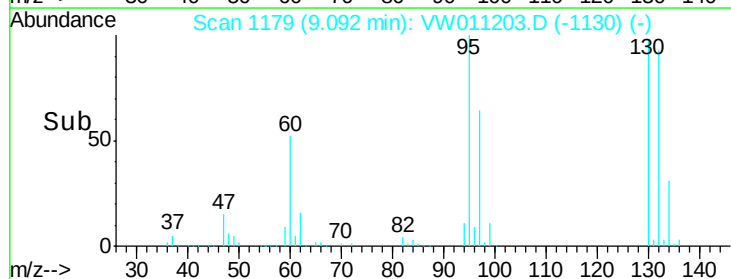
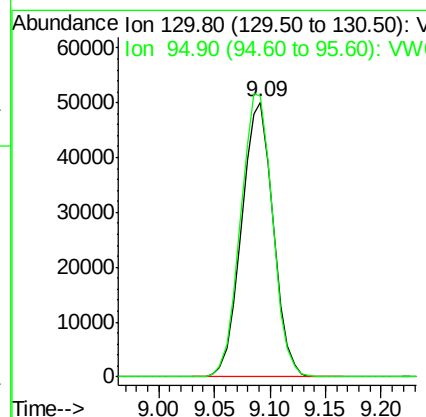
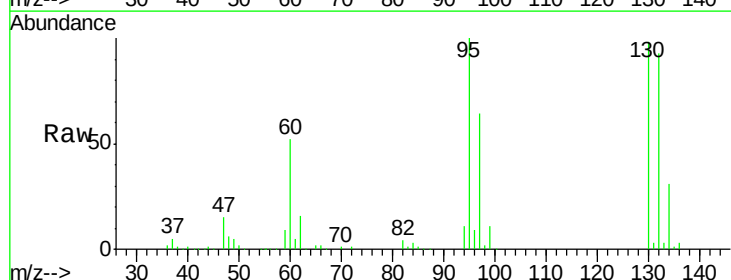
RT: 9.09 min Scan# 1179

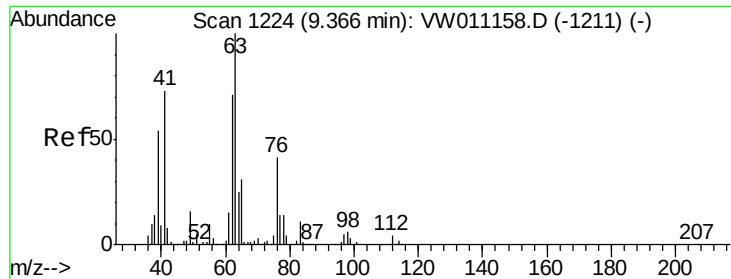
Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion:	130	Resp:	98718
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	203.6





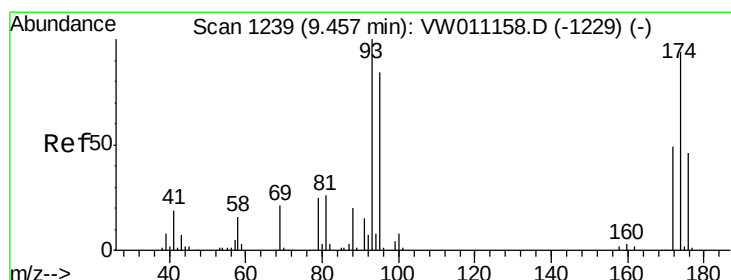
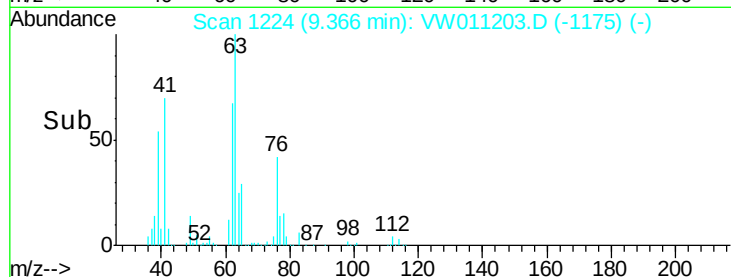
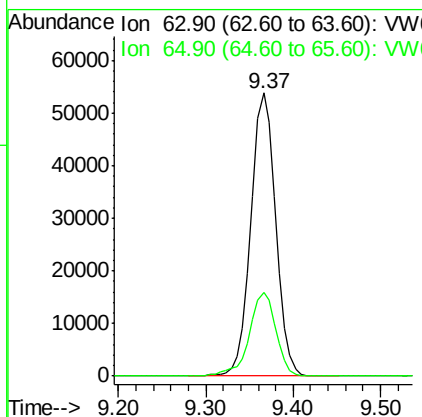
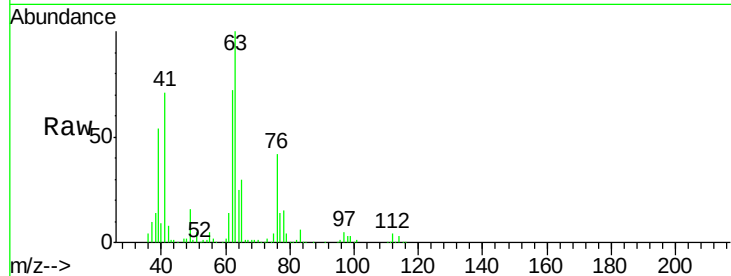
#45
 1,2-Dichloropropane
 Concen: 50.758 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion: 63 Resp: 106028
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6

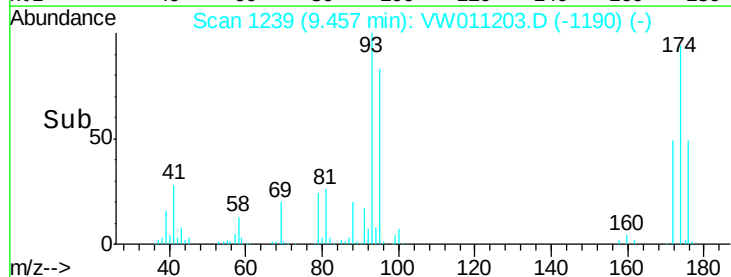
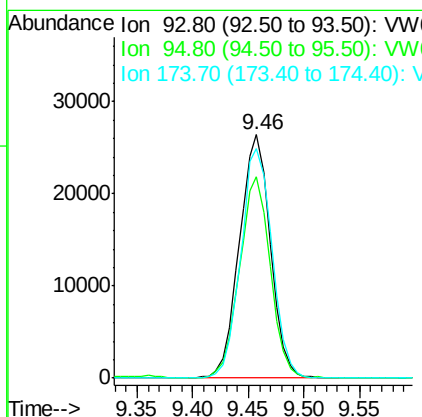
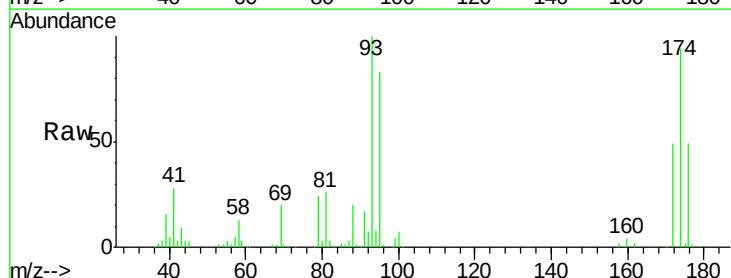
Manual Integrations
 APPROVED

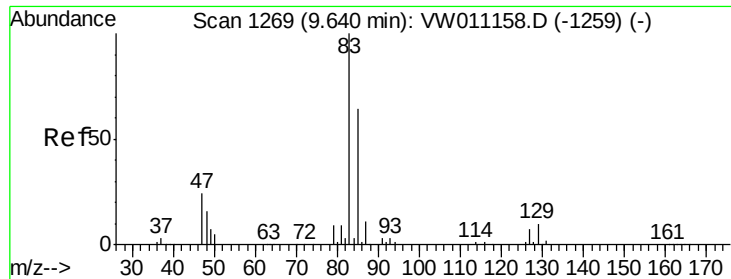
MMDadoda
 7/11/2019 2:50:21 PM



#46
 Dibromomethane
 Concen: 51.980 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 93 Resp: 51006
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.2 100.8
 174 95.7 76.3 114.5





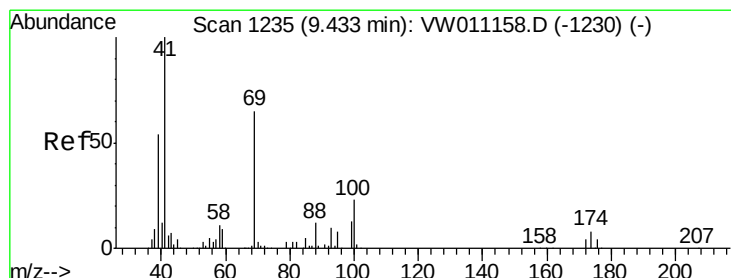
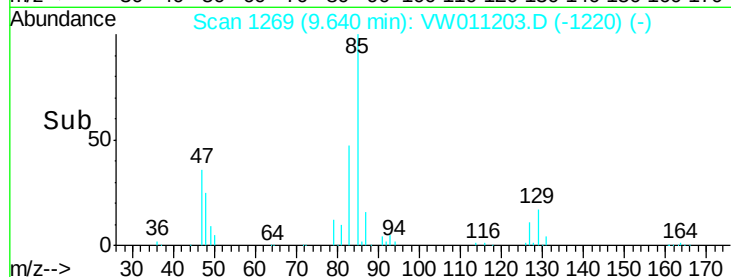
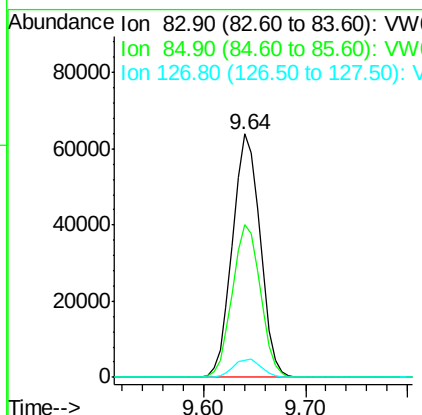
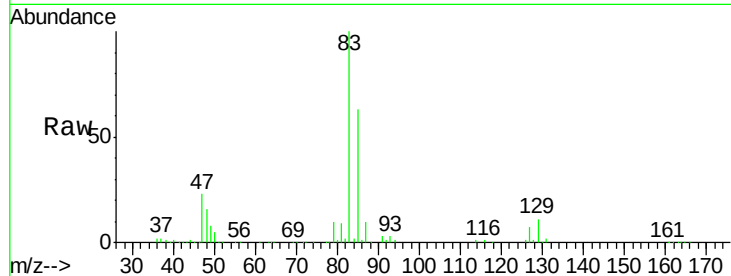
#47
Bromodichloromethane
Concen: 47.898 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120259		
85	62.8		51.0	76.4
127	7.1		6.0	9.0

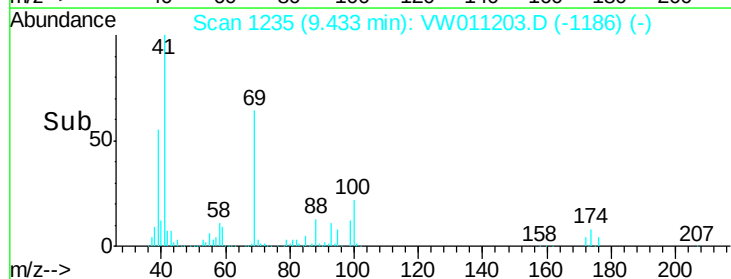
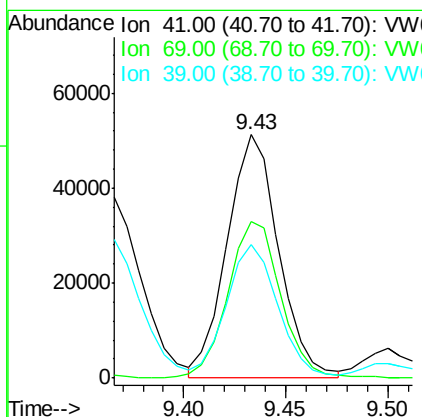
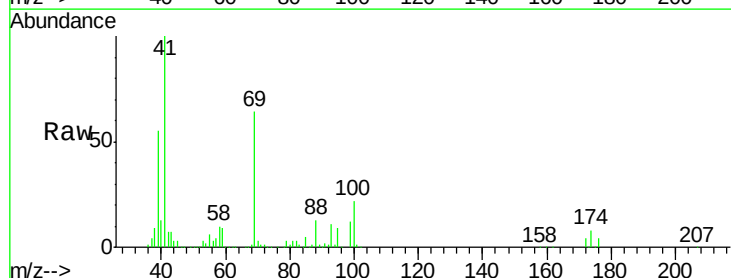
Manual Integrations
APPROVED

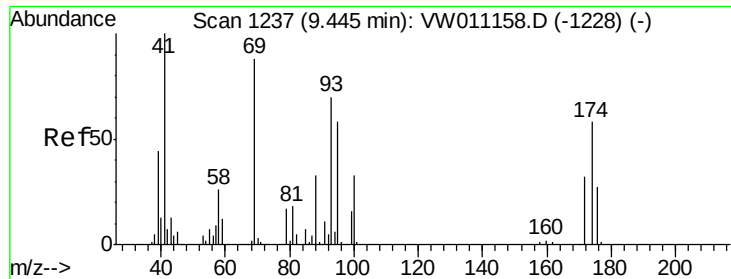
MMDadoda
7/11/2019 2:50:21 PM



#48
Methyl methacrylate
Concen: 58.707 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	89428		
69	65.8		56.0	84.0
39	55.2		43.5	65.3





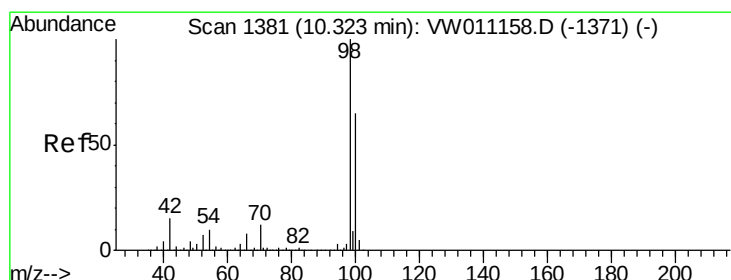
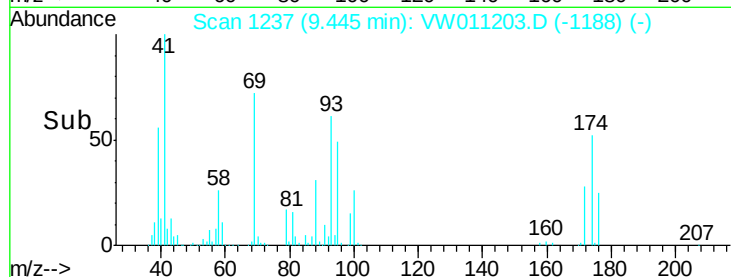
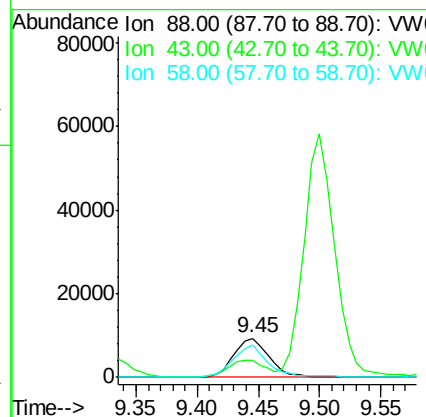
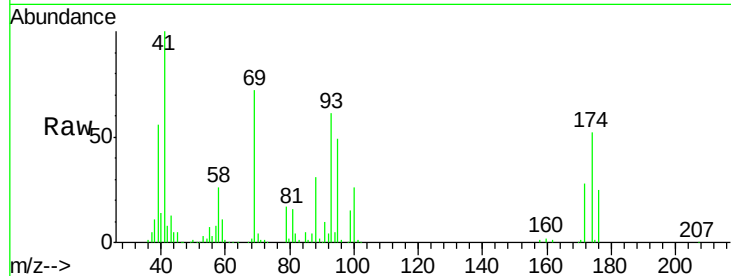
#49
1,4-Dioxane
Concen: 1147.013 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	18787		
43	44.5	33.4	50.0	
58	83.0	64.5	96.7	

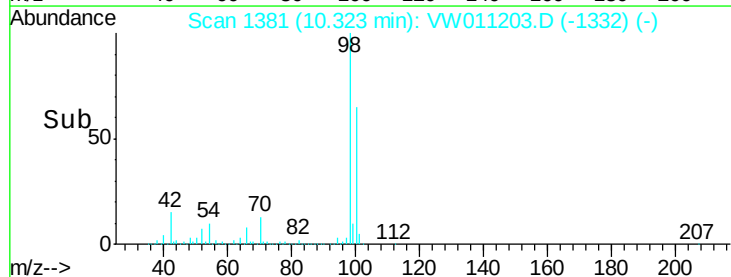
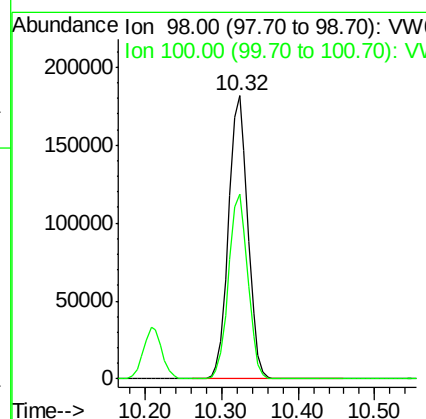
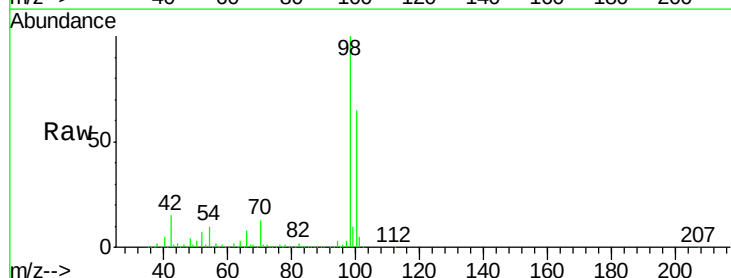
Manual Integrations
APPROVED

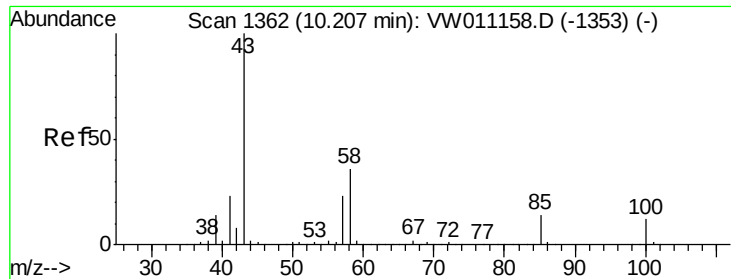
MMDadoda
7/11/2019 2:50:21 PM



#50
Toluene-d8
Concen: 49.964 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	315528		
100	65.4	52.4	78.6	





#51

4-Methyl-2-Pentanone

Concen: 284.560 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 470655

Ion Ratio Lower Upper

43 100

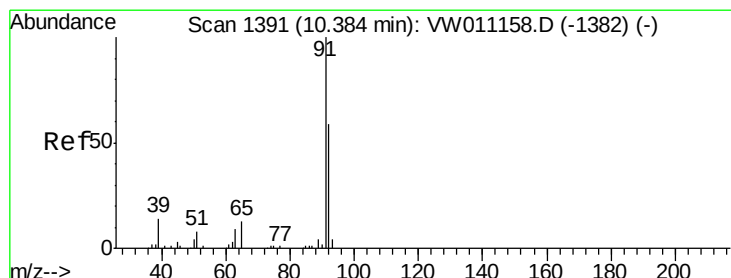
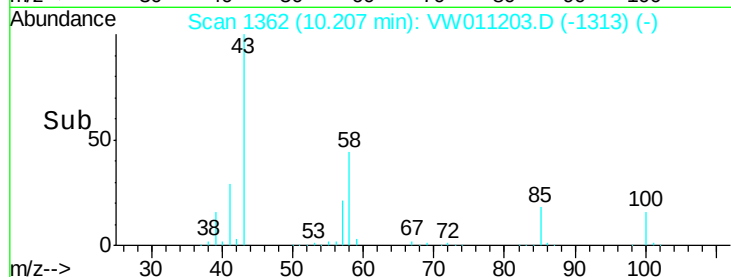
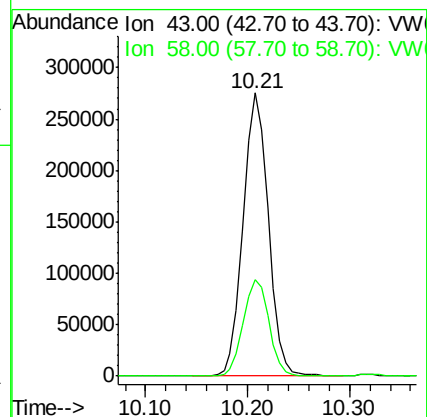
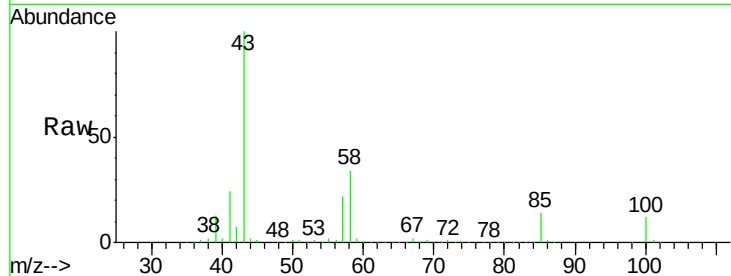
58 34.7 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#52

Toluene

Concen: 48.357 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011203.D

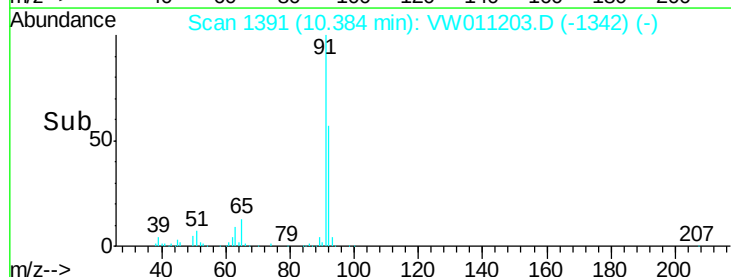
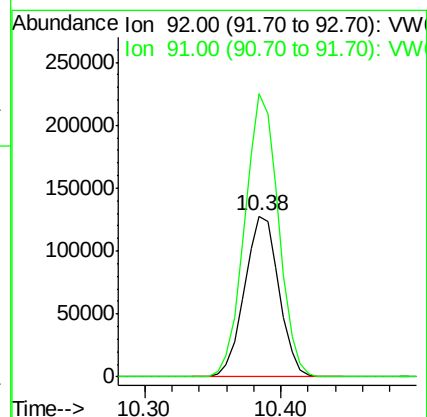
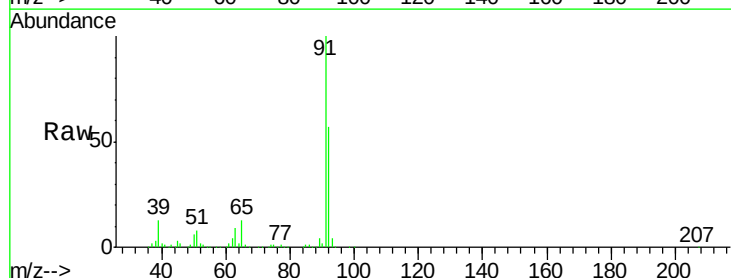
Acq: 10 Jul 2019 21:50

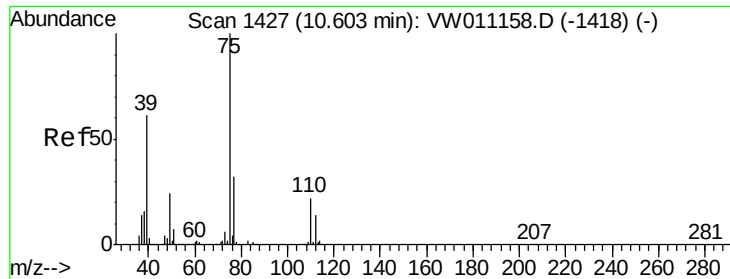
Tgt Ion: 92 Resp: 226279

Ion Ratio Lower Upper

92 100

91 172.7 136.6 205.0





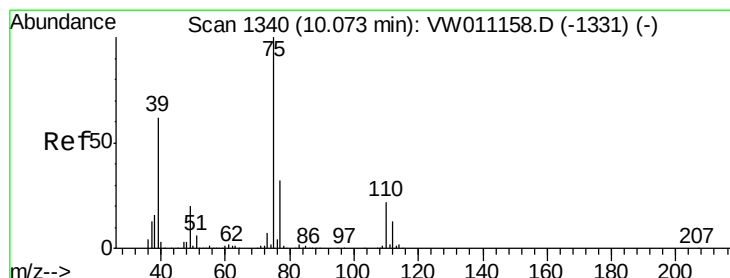
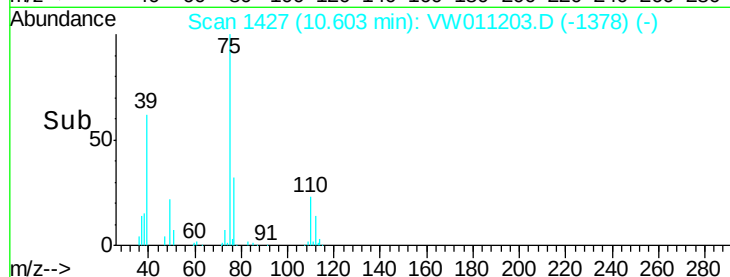
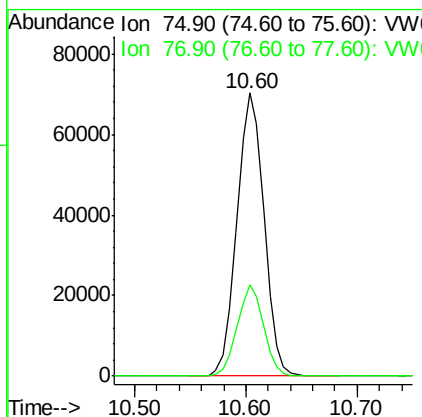
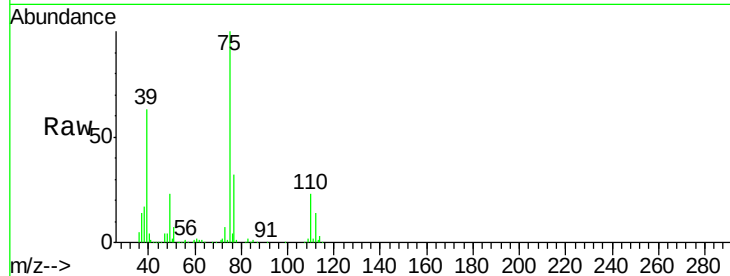
#53
t-1,3-Dichloropropene
Concen: 44.342 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion: 75 Resp: 118506
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0

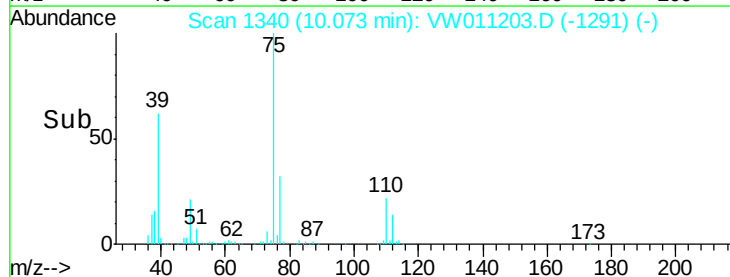
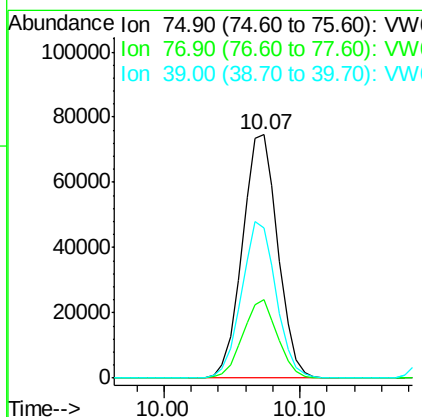
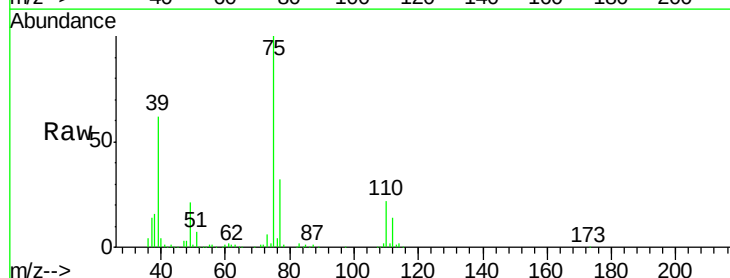
Manual Integrations
APPROVED

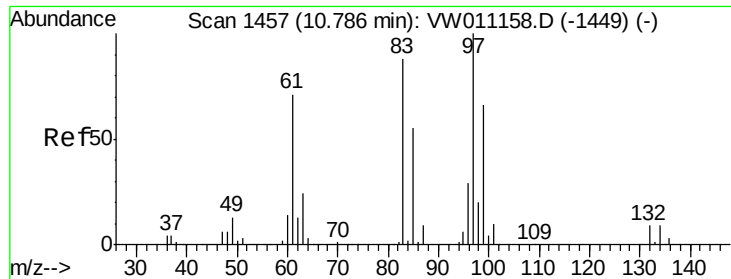
MMDadoda
7/11/2019 2:50:21 PM



#54
cis-1,3-Dichloropropene
Concen: 43.172 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 75 Resp: 135807
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 61.6 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 52.326 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 97 Resp: 72842

Ion Ratio Lower Upper

97 100

83 87.9 70.2 105.4

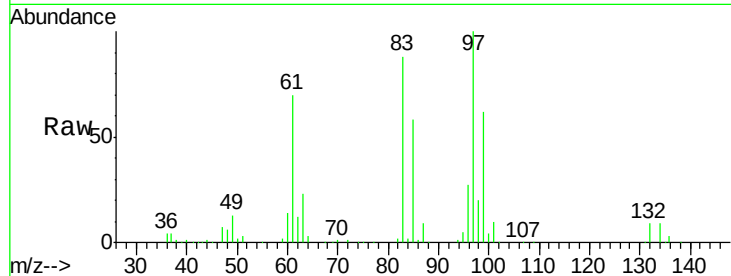
85 57.5 44.2 66.2

99 62.1 52.6 79.0

Manual Integrations
APPROVED

MMDadoda

7/11/2019 2:50:21 PM

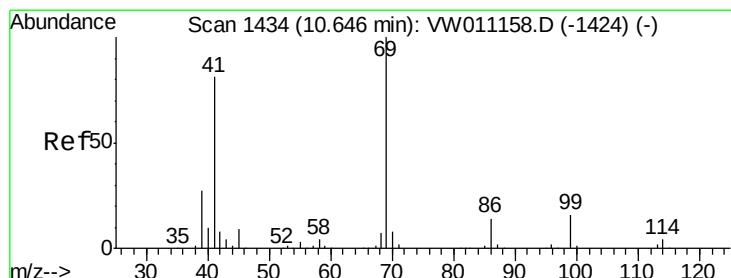
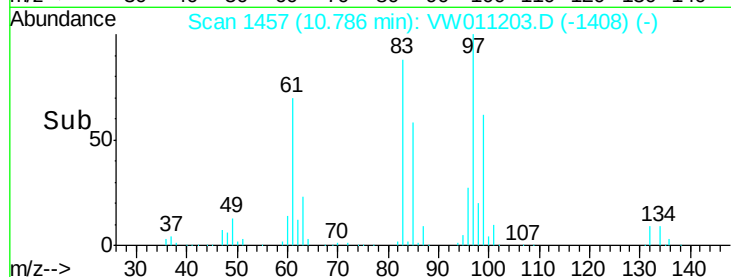
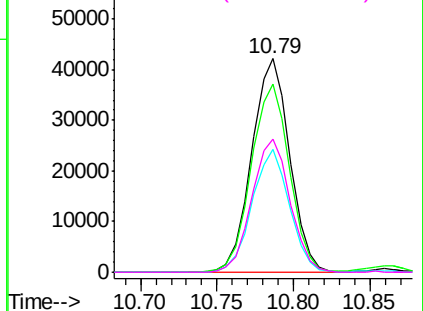


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 50.770 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

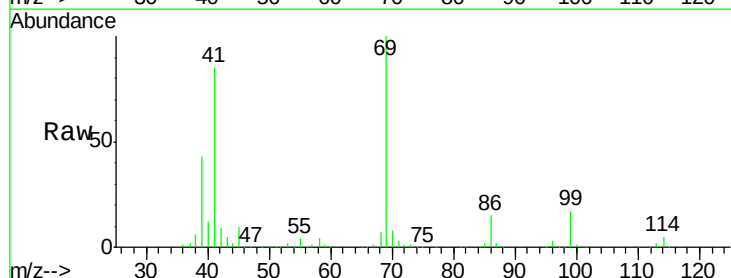
Tgt Ion: 69 Resp: 107602

Ion Ratio Lower Upper

69 100

41 83.4 66.5 99.7

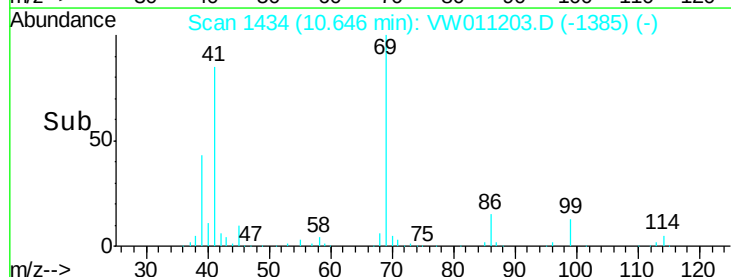
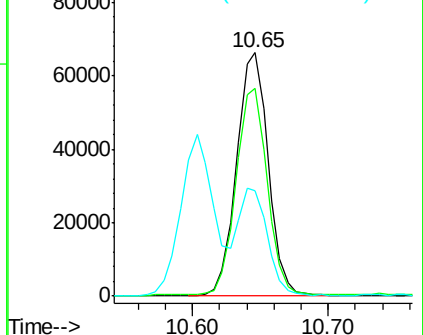
39 39.9 32.5 48.7

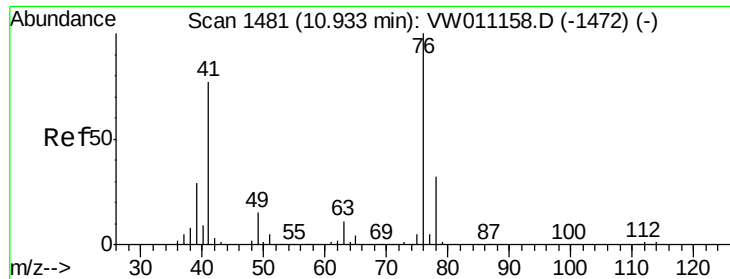


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





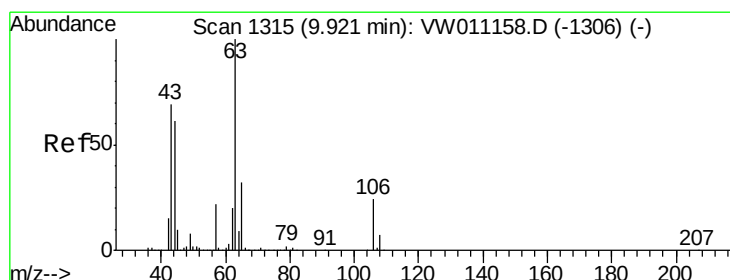
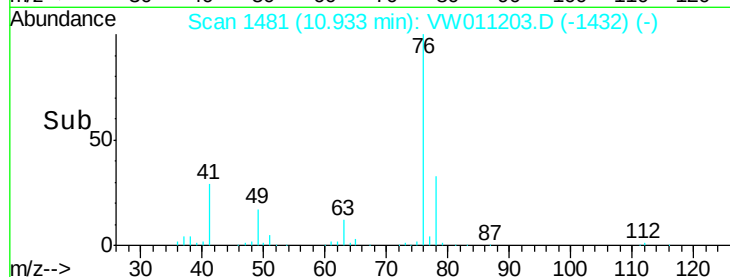
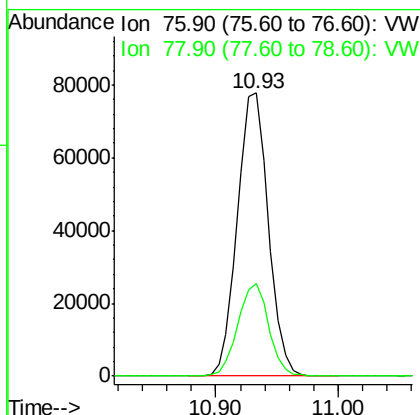
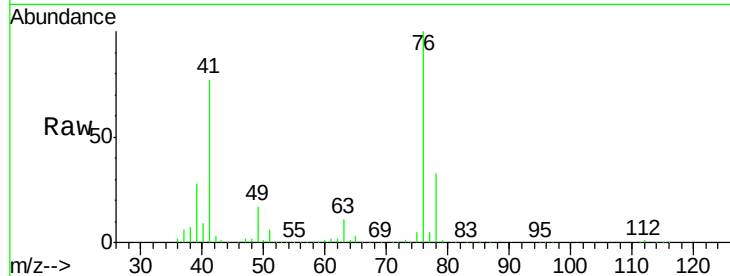
#57
 1,3-Dichloropropane
 Concen: 51.855 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion: 76 Resp: 136505
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

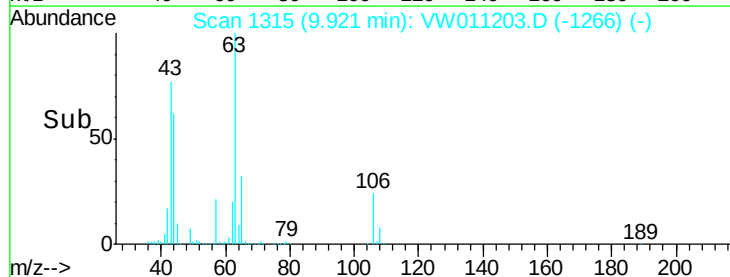
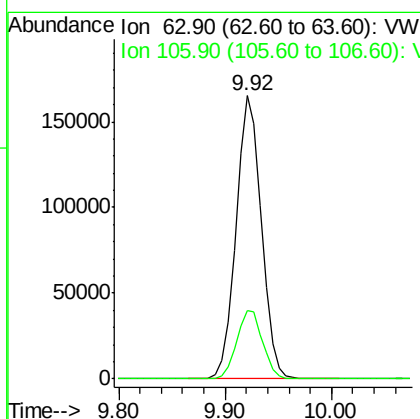
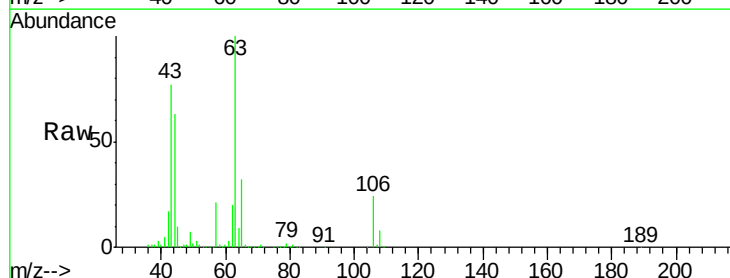
Manual Integrations
 APPROVED

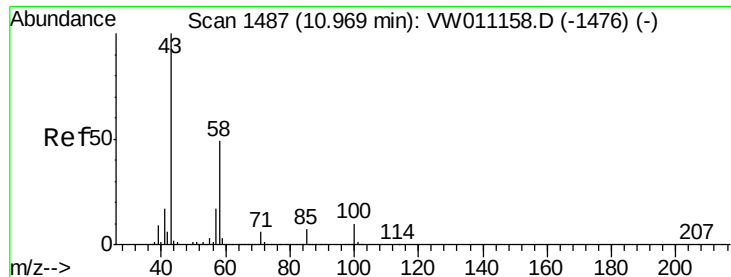
MMDadoda
 7/11/2019 2:50:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.548 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 63 Resp: 275655
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0





#59

2-Hexanone

Concen: 283.589 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 43 Resp: 325286

Ion Ratio Lower Upper

43 100

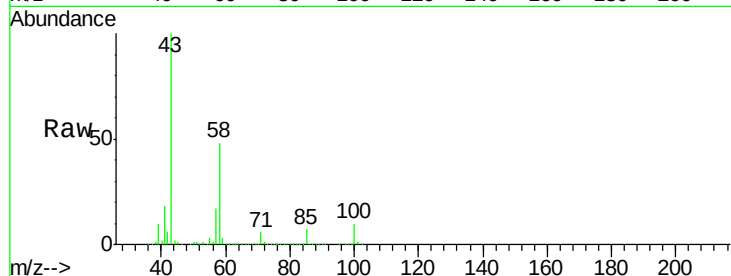
58 48.2 24.4 73.4

Manual Integrations

APPROVED

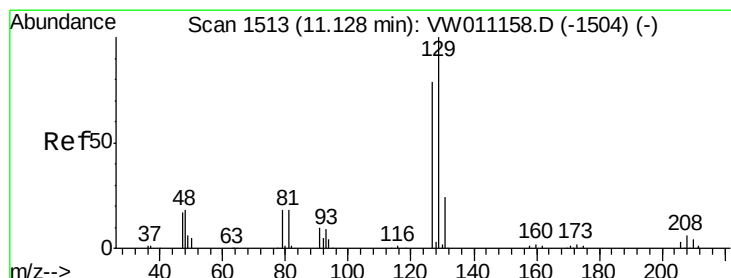
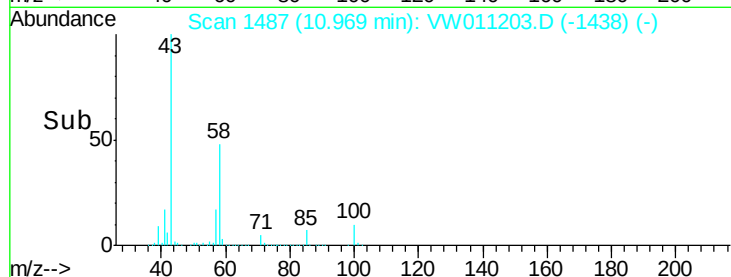
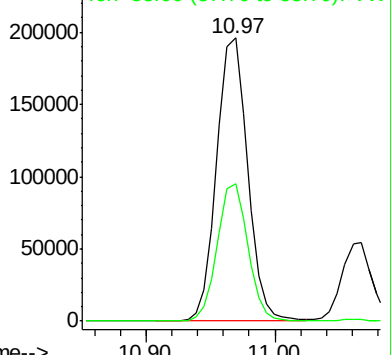
MMDadoda

7/11/2019 2:50:21 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 47.755 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011203.D

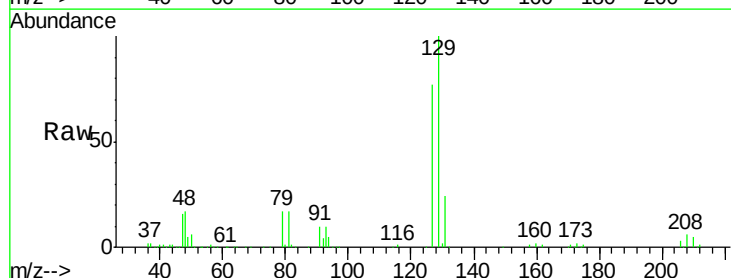
Acq: 10 Jul 2019 21:50

Tgt Ion:129 Resp: 72899

Ion Ratio Lower Upper

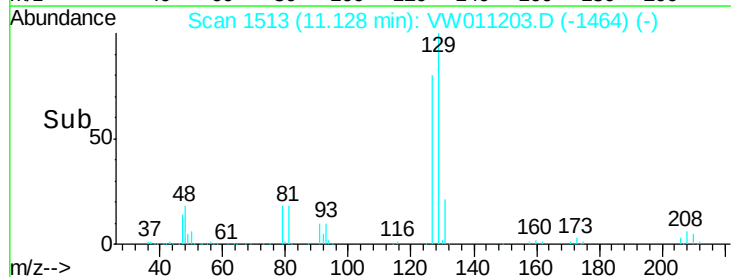
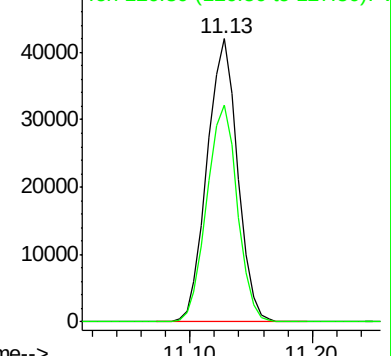
129 100

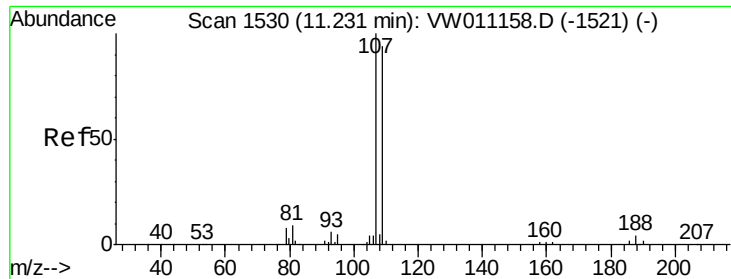
127 76.7 39.1 117.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





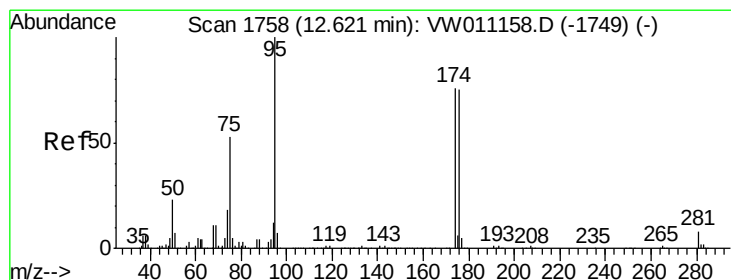
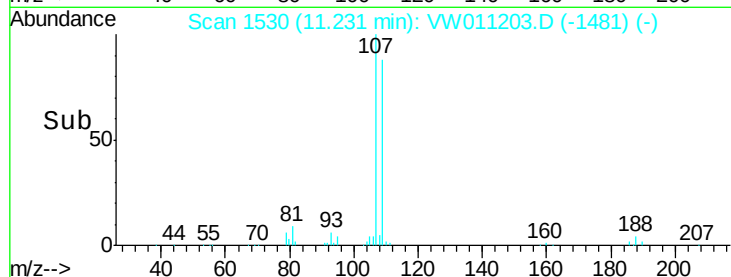
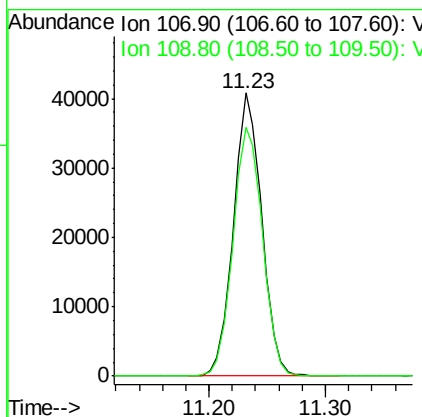
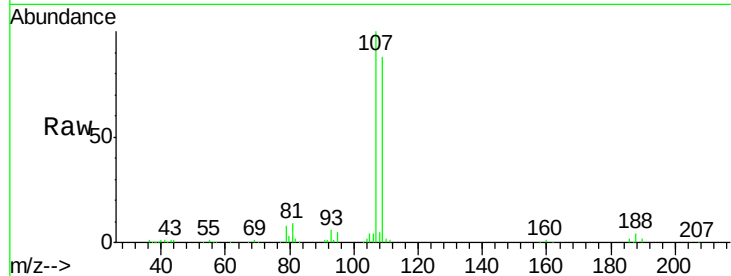
#61
 1,2-Dibromoethane
 Concen: 52.327 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion: 107 Resp: 69000
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.2 112.8

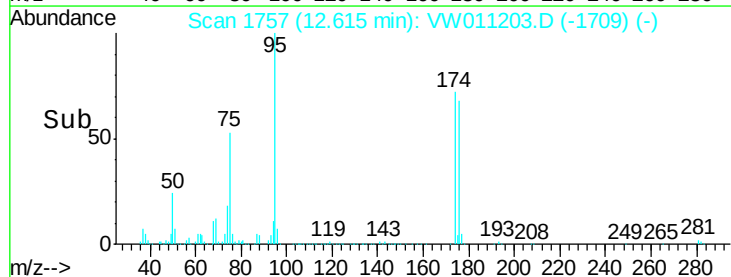
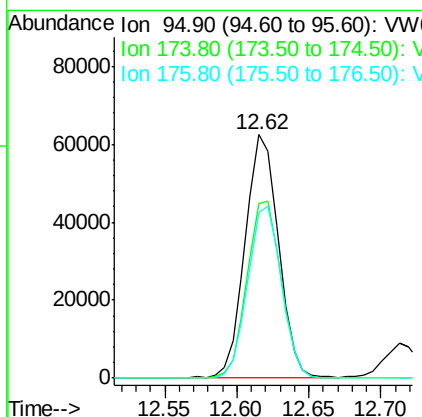
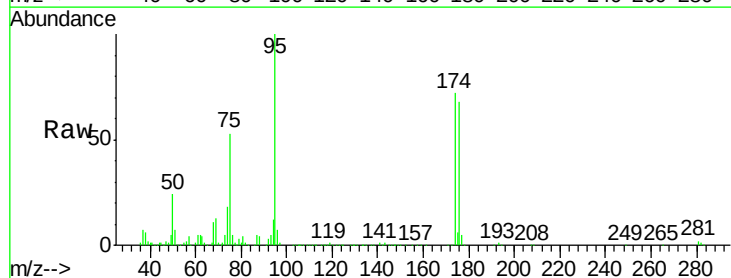
Manual Integrations
 APPROVED

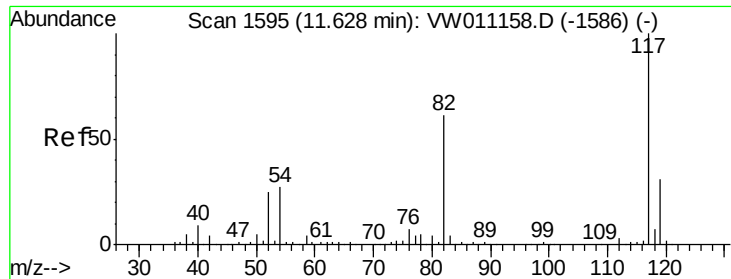
MMDadoda
 7/11/2019 2:50:21 PM



#62
 4-Bromofluorobenzene
 Concen: 43.078 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion: 95 Resp: 99712
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.6
 176 71.3 0.0 144.6





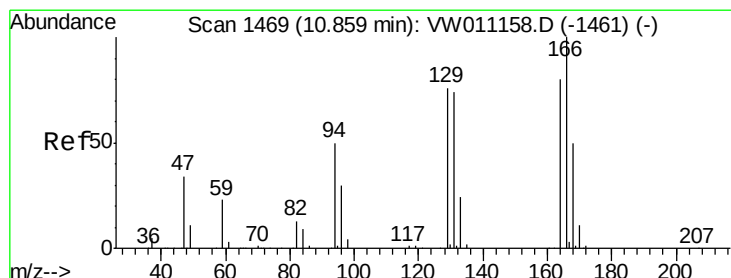
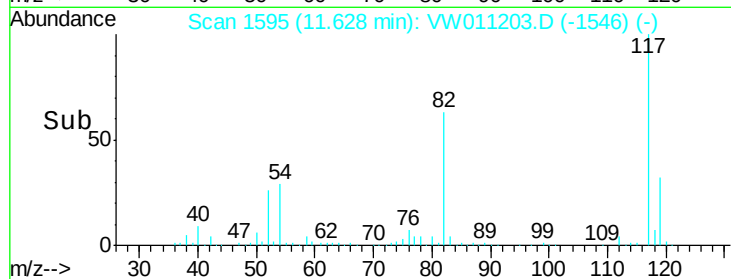
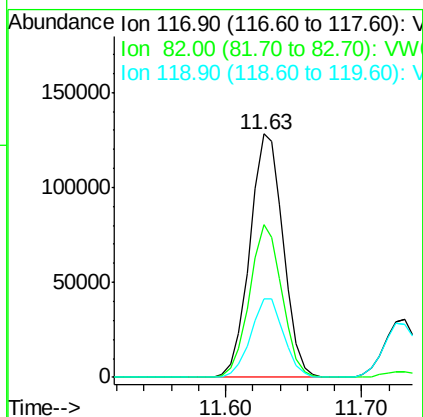
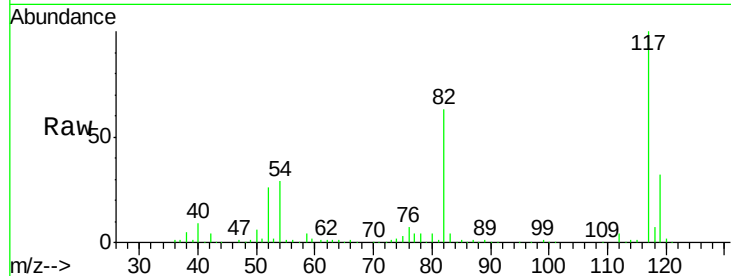
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219691		
82	62.7	48.9	73.3	
119	32.5	25.0	37.6	

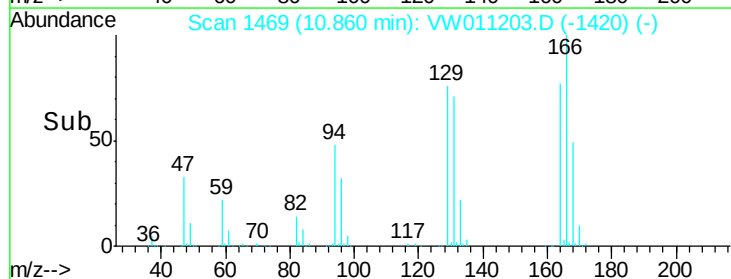
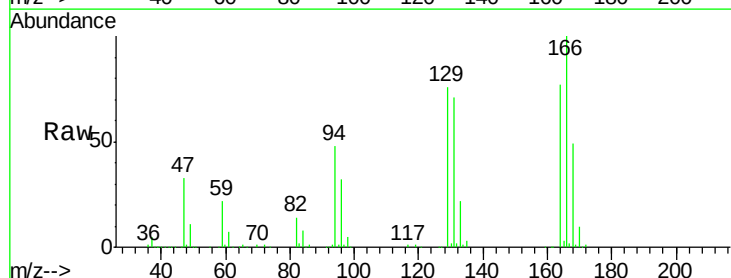
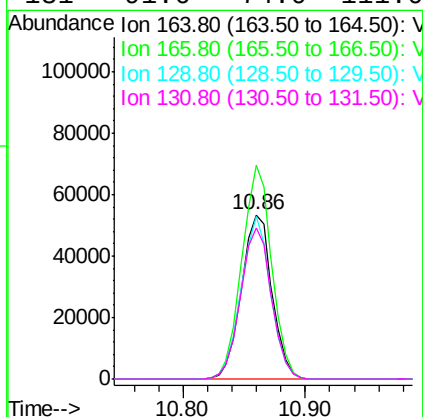
Manual Integrations
APPROVED

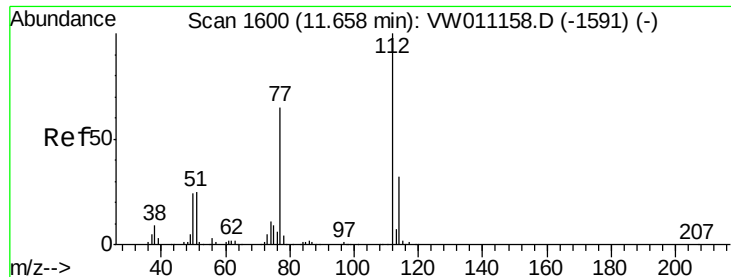
MMDadoda
7/11/2019 2:50:21 PM



#64
Tetrachloroethene
Concen: 62.412 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92521		
166	129.9	99.7	149.5	
129	99.1	76.2	114.2	
131	91.6	74.0	111.0	





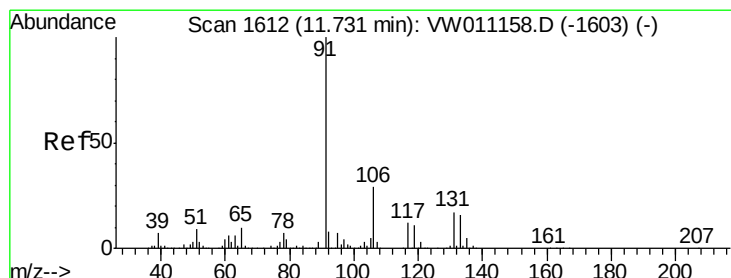
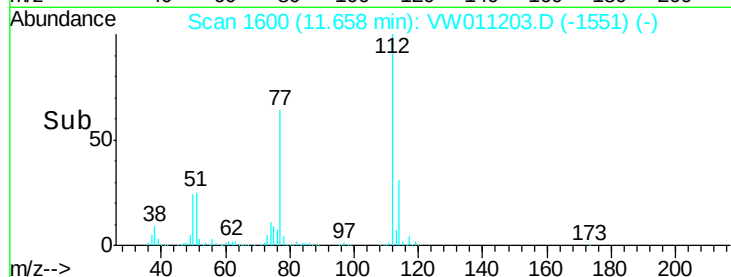
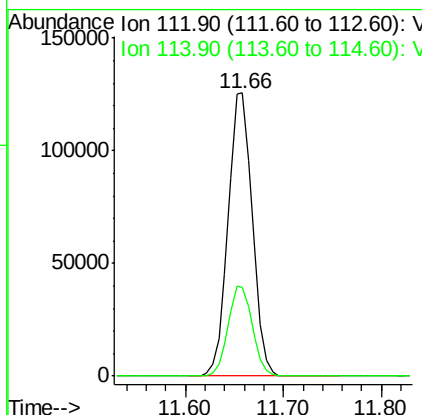
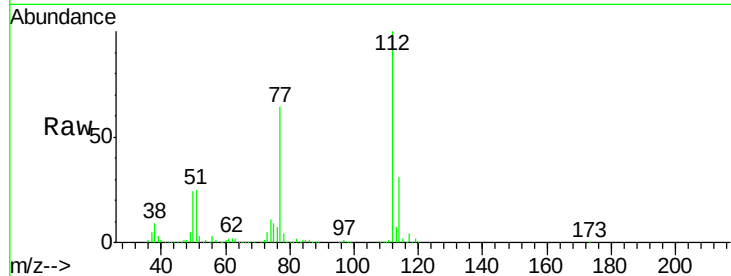
#65
Chlorobenzene
Concen: 48.345 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	215938		
114	31.4	25.5	38.3	

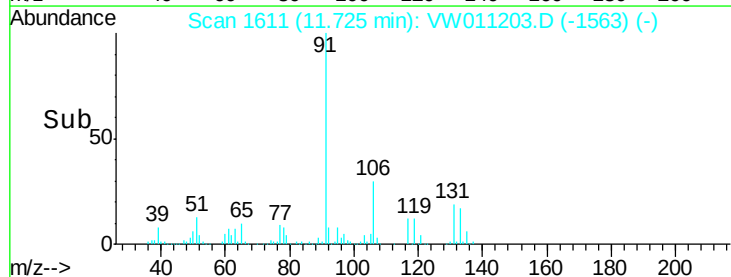
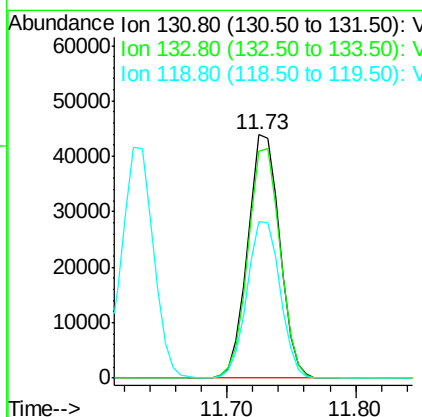
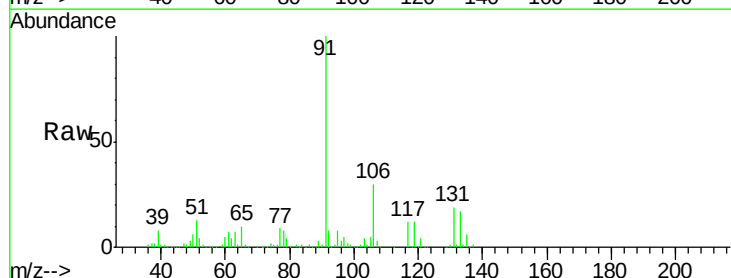
Manual Integrations
APPROVED

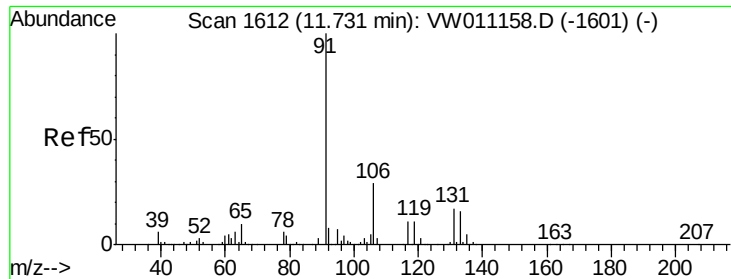
MMDadoda
7/11/2019 2:50:21 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.869 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	75283		
133	94.7	47.9	143.8	
119	66.3	33.1	99.2	





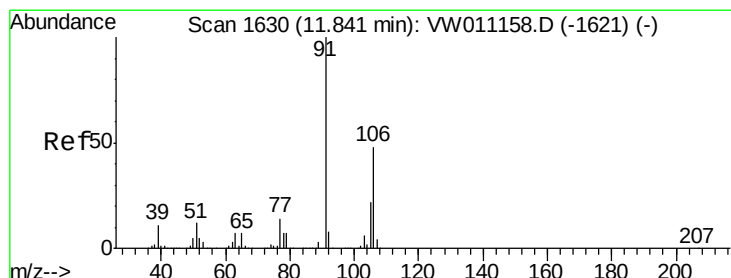
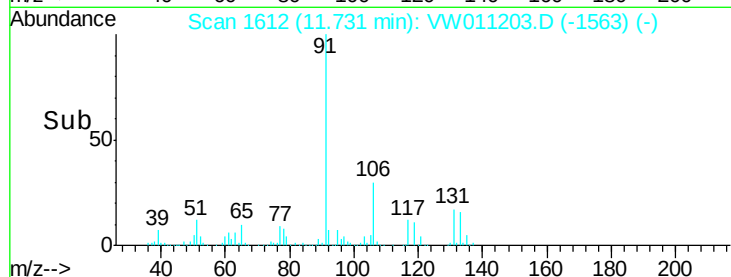
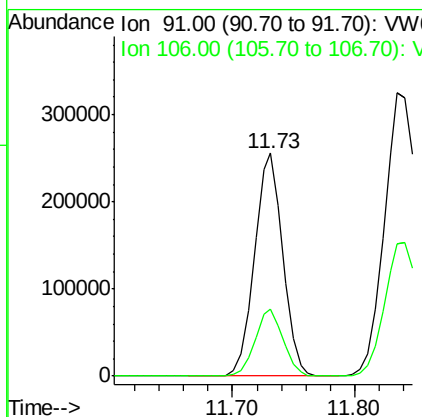
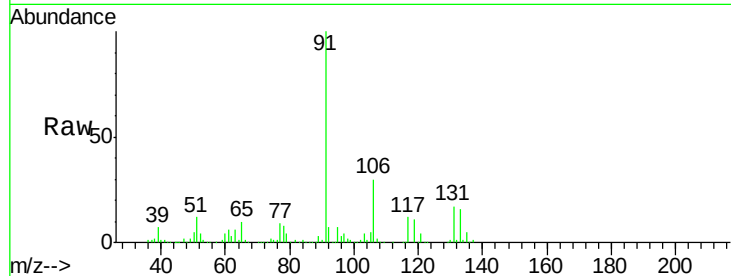
#67
Ethyl Benzene
Concen: 48.109 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion: 91 Resp: 411359
Ion Ratio Lower Upper
91 100
106 30.0 23.5 35.3

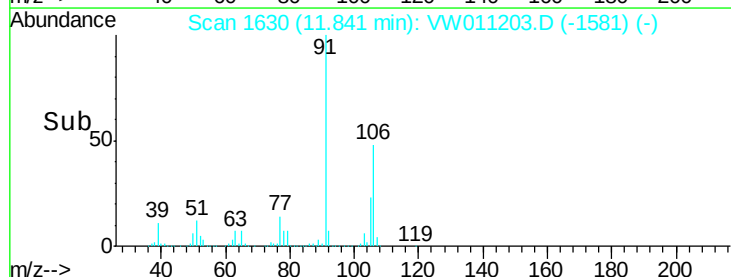
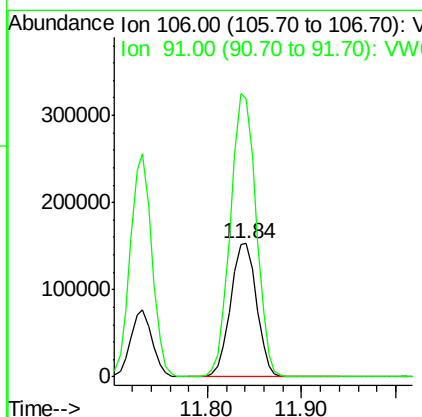
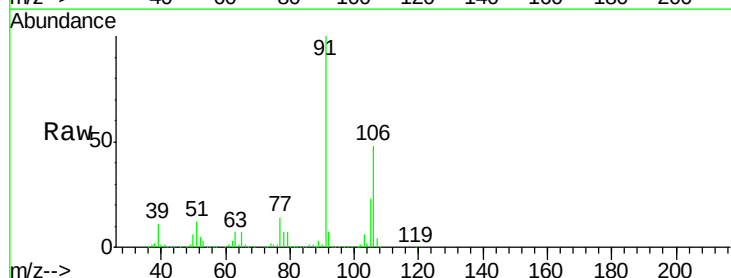
Manual Integrations
APPROVED

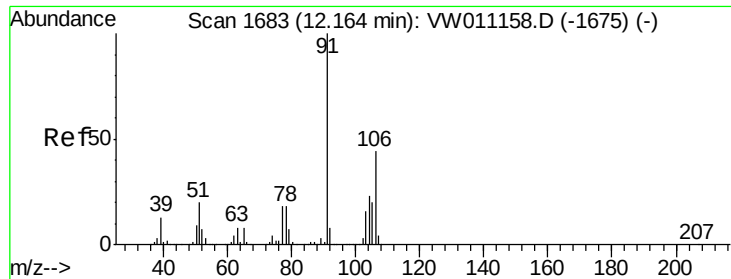
MMDadoda
7/11/2019 2:50:21 PM



#68
m/p-Xylenes
Concen: 94.826 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion: 106 Resp: 293389
Ion Ratio Lower Upper
106 100
91 210.2 167.7 251.5





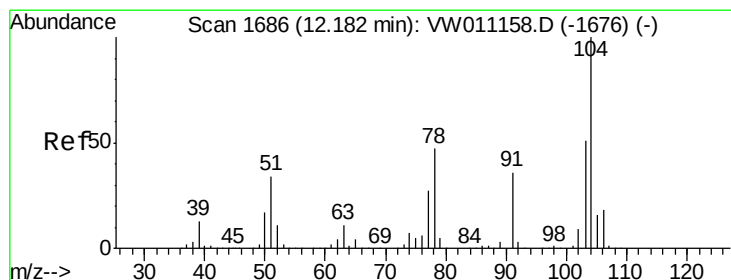
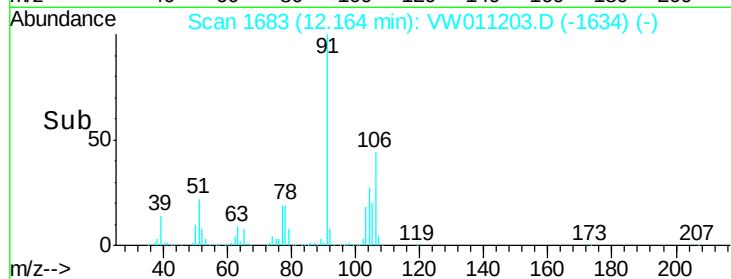
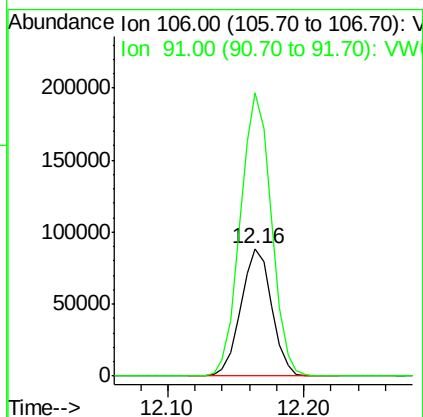
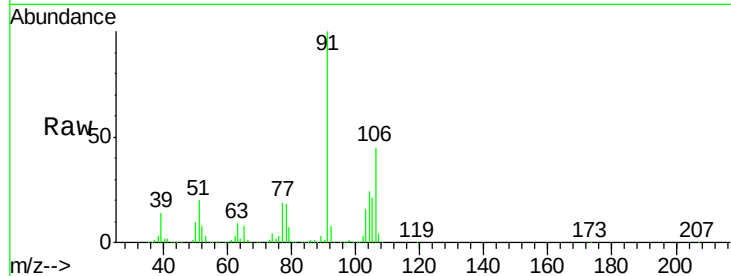
#69
o-Xylene
Concen: 47.872 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion:106 Resp: 139599
Ion Ratio Lower Upper
106 100
91 224.5 110.7 332.1

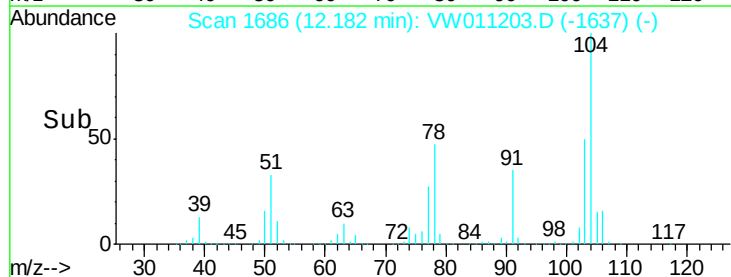
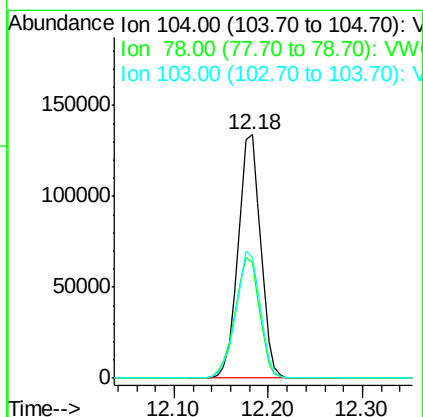
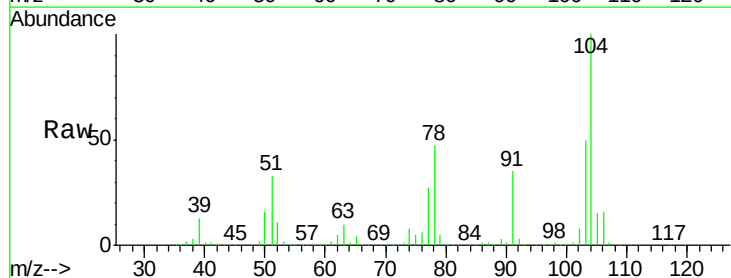
Manual Integrations
APPROVED

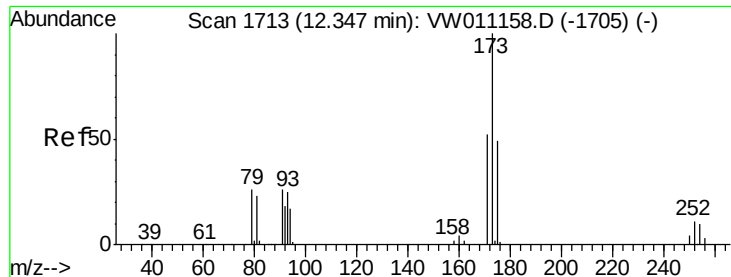
MMDadoda
7/11/2019 2:50:21 PM



#70
Styrene
Concen: 44.247 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion:104 Resp: 222682
Ion Ratio Lower Upper
104 100
78 54.3 43.1 64.7
103 55.9 44.1 66.1





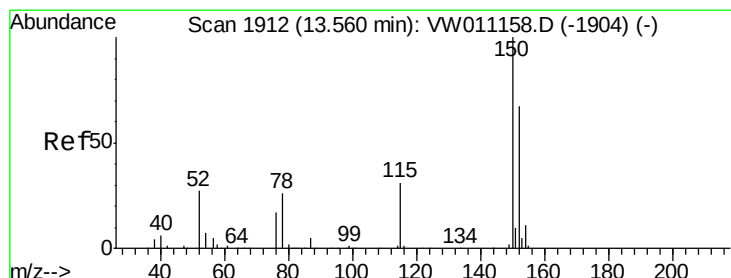
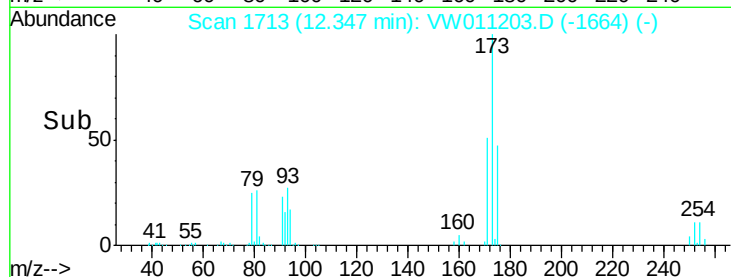
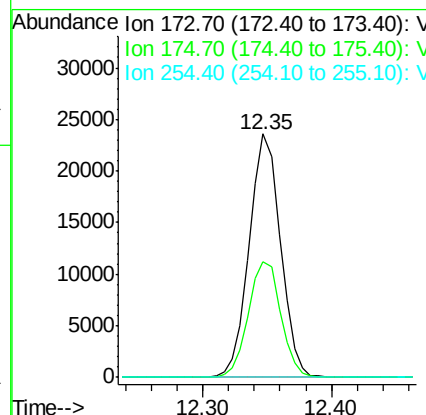
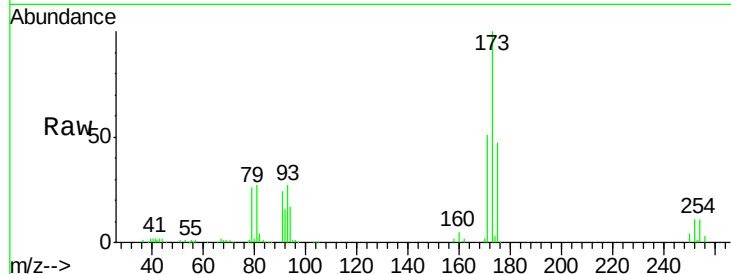
#71
Bromoform
Concen: 47.290 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.0	0.0	0.0

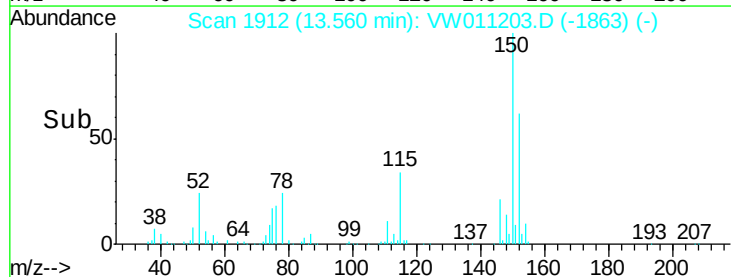
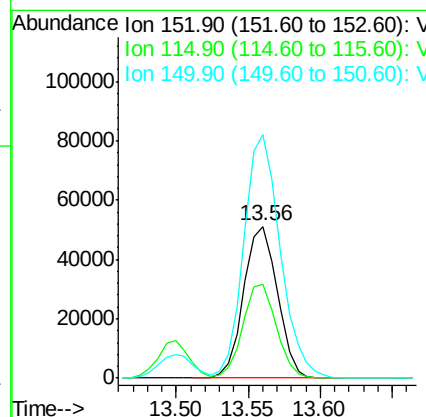
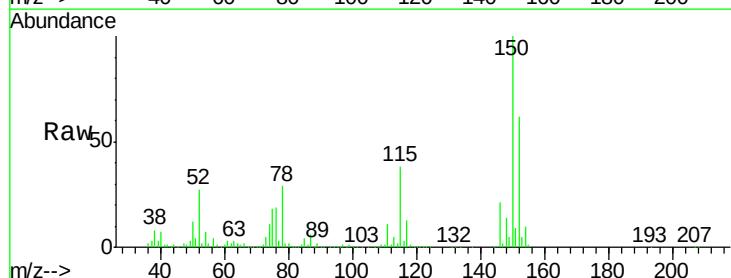
Manual Integrations
APPROVED

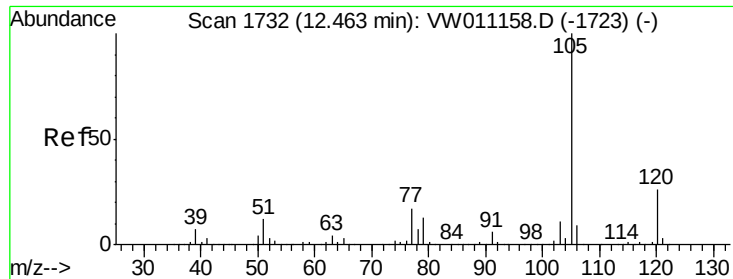
MMDadoda
7/11/2019 2:50:21 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.1	90.3
150	172.7	0.0	346.0





#73

Isopropylbenzene

Concen: 56.639 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 105 Resp: 352466

Ion Ratio Lower Upper

105 100

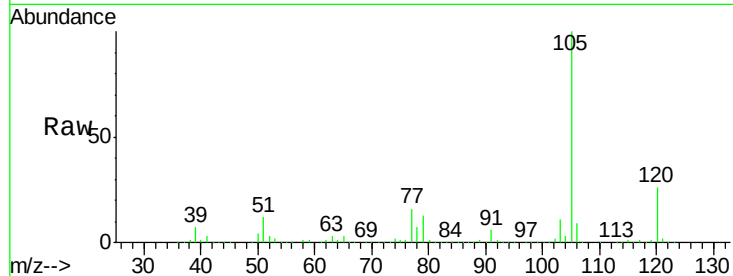
120 25.7 12.8 38.3

Manual Integrations

APPROVED

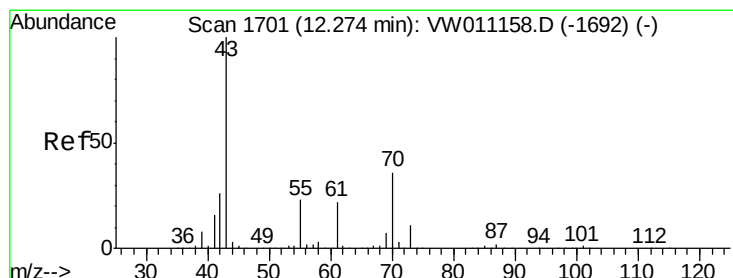
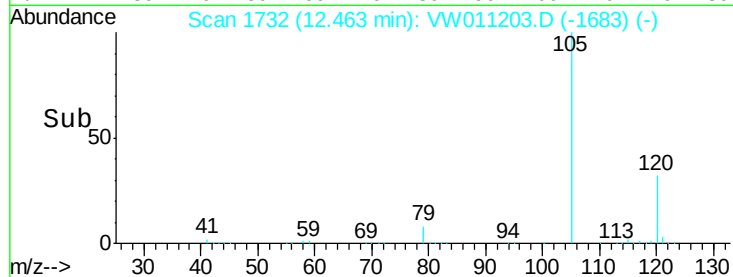
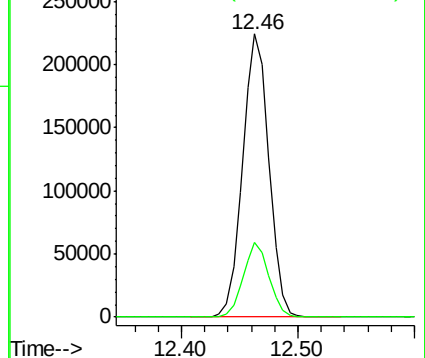
MMDadoda

7/11/2019 2:50:21 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 31.141 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion: 43 Resp: 67493

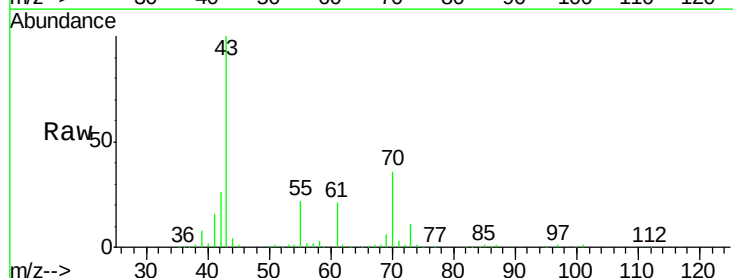
Ion Ratio Lower Upper

43 100

70 36.5 28.5 42.7

55 22.6 18.1 27.1

61 20.7 17.2 25.8

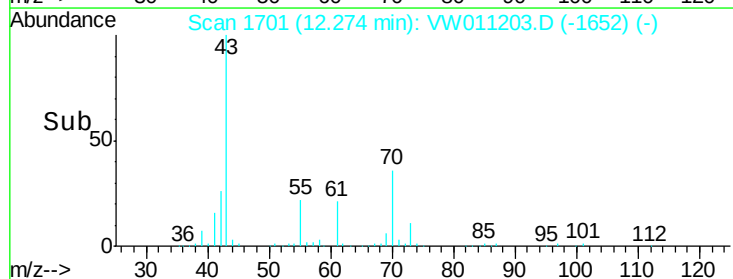
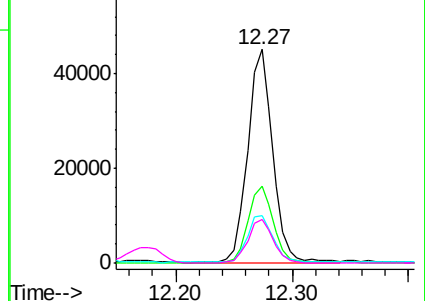


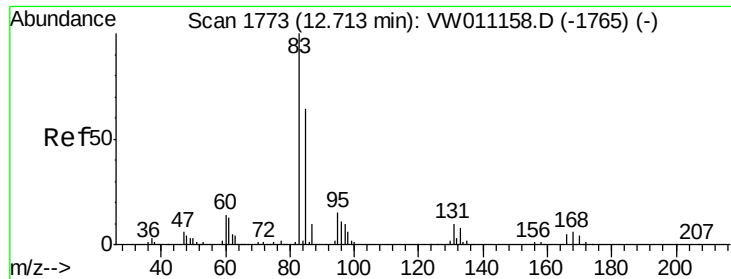
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 70.077 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

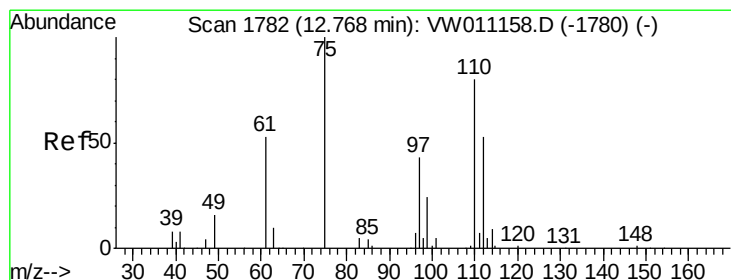
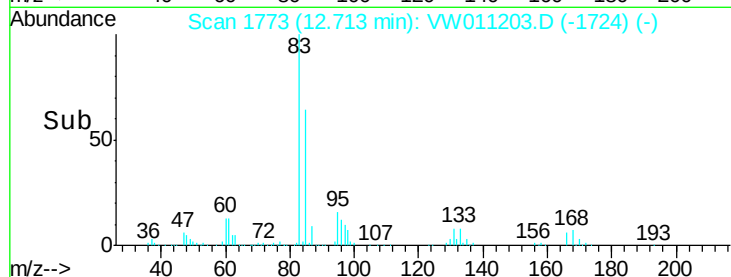
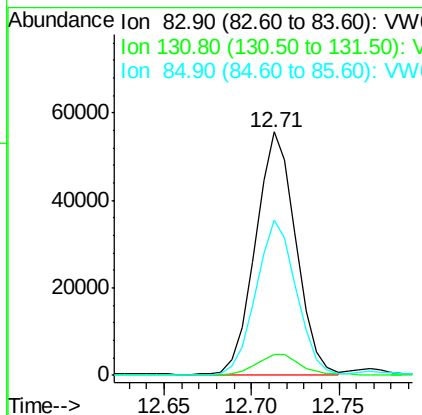
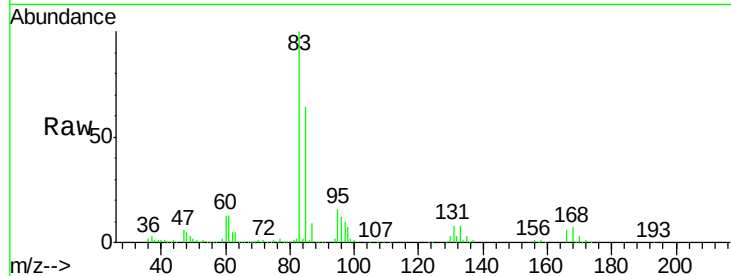
ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion:	83	Resp:	89392
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	64.1	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM



#76

1,2,3-Trichloropropane

Concen: 63.117 ug/l m

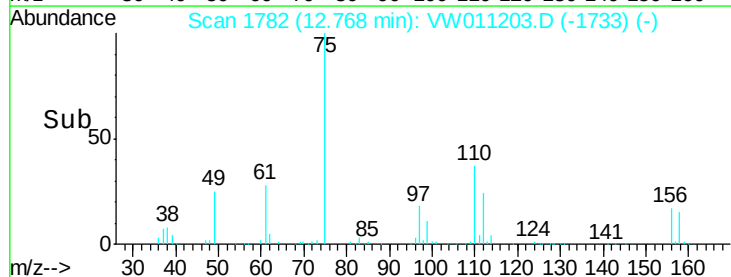
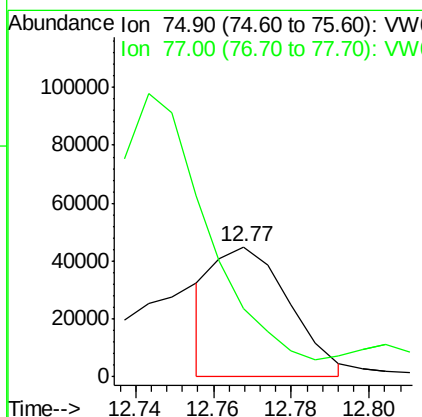
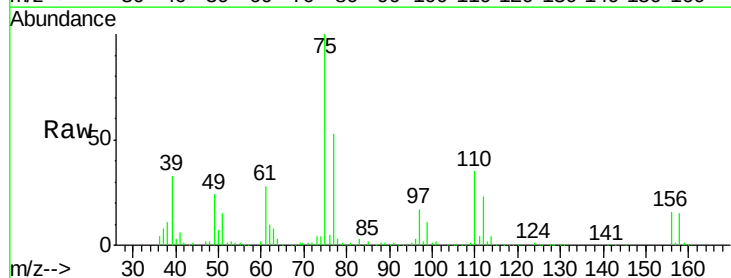
RT: 12.77 min Scan# 1782

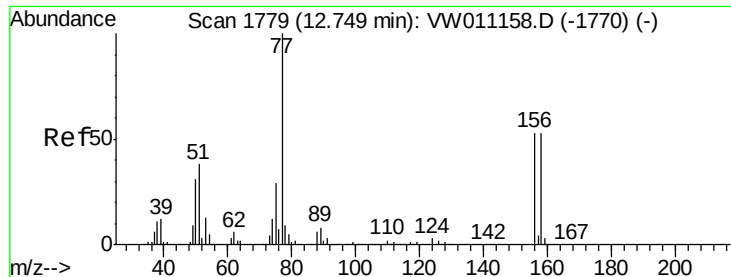
Delta R.T. 0.00 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Tgt Ion:	75	Resp:	60720
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





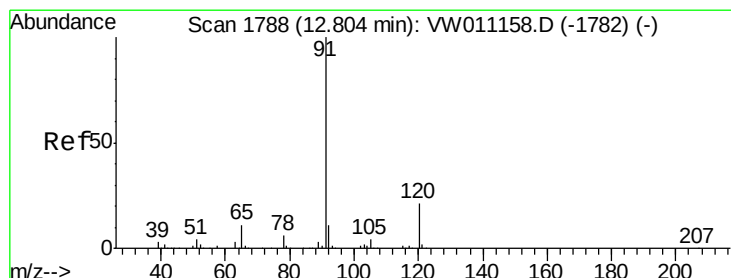
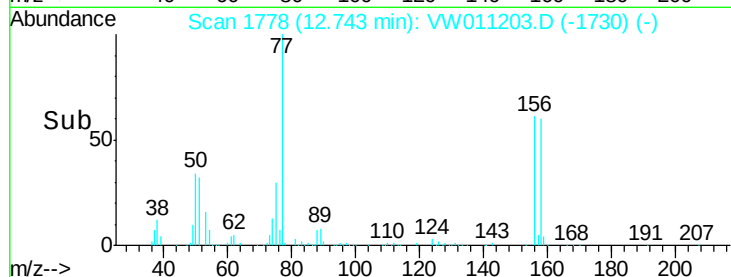
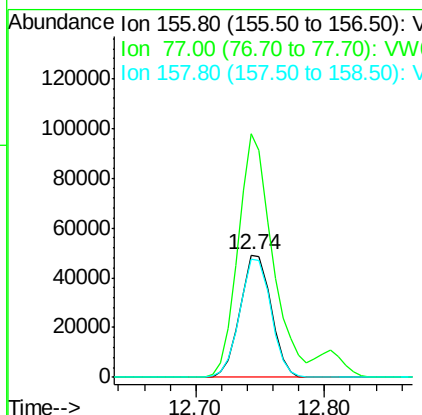
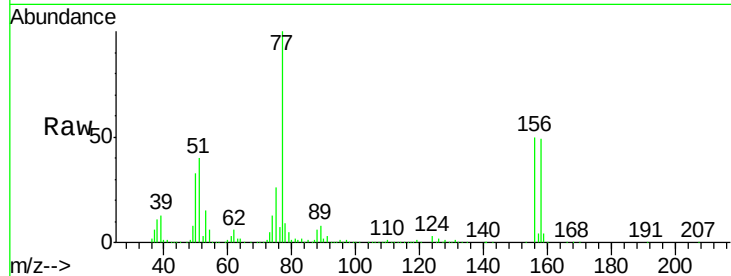
#77
Bromobenzene
Concen: 58.806 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	219.0	109.0	327.0	
158	97.3	48.8	146.3	

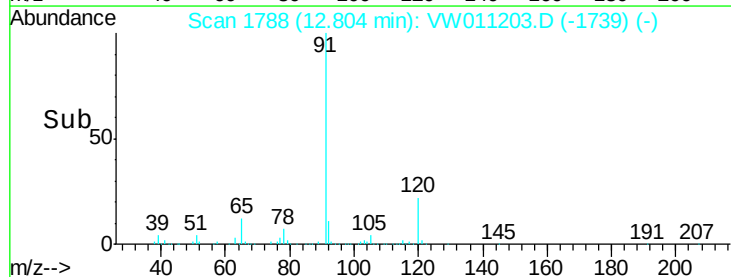
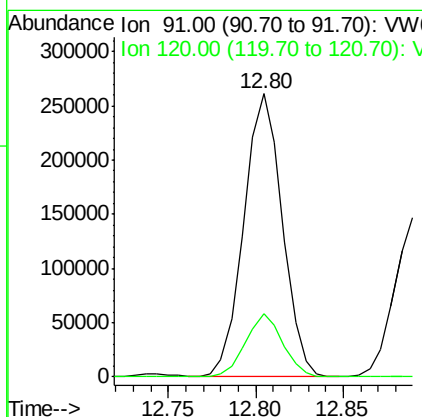
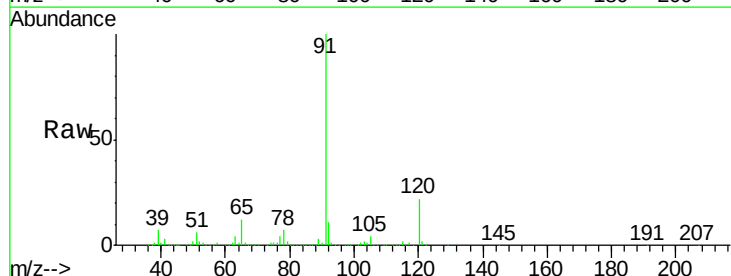
Manual Integrations
APPROVED

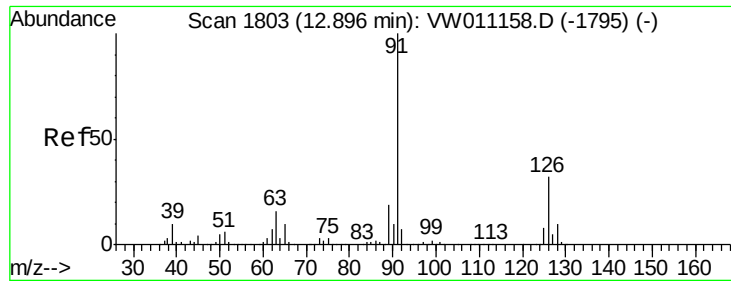
MMDadoda
7/11/2019 2:50:21 PM



#78
n-propylbenzene
Concen: 52.062 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.8	32.3	





#79

2-Chlorotoluene

Concen: 54.268 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011203.D

Acq: 10 Jul 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC068-SD-190709MS

Tot Ion: 91 Resp: 239393

Ion Ratio Lower Upper

91 100

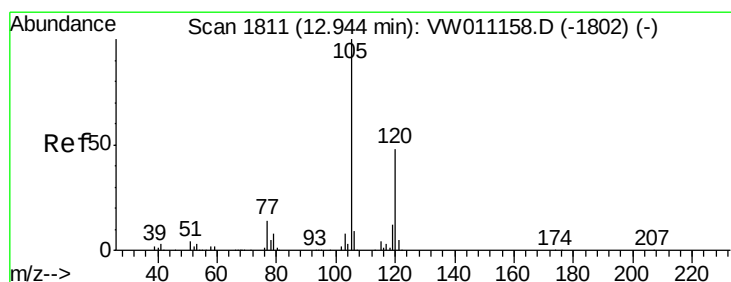
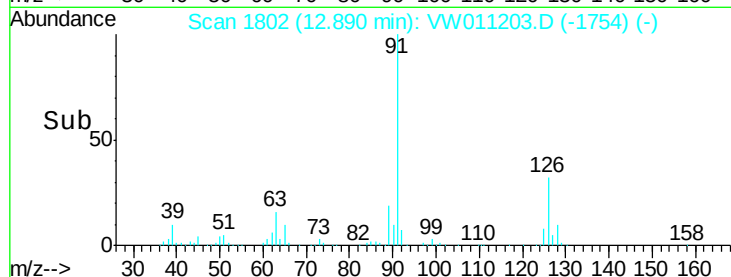
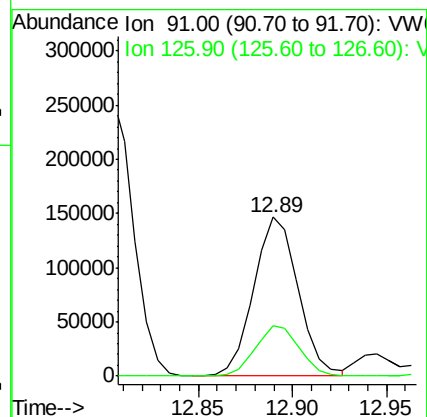
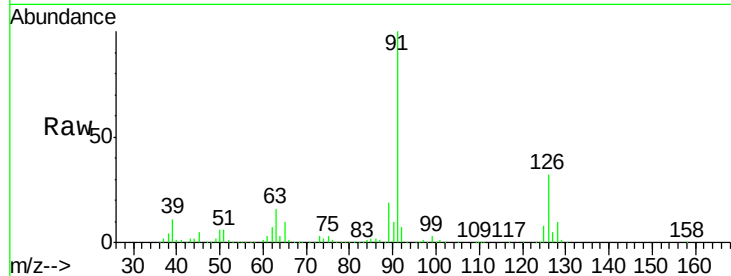
126 31.3 15.8 47.3

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:21 PM



#80

1,3,5-Trimethylbenzene

Concen: 51.715 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011203.D

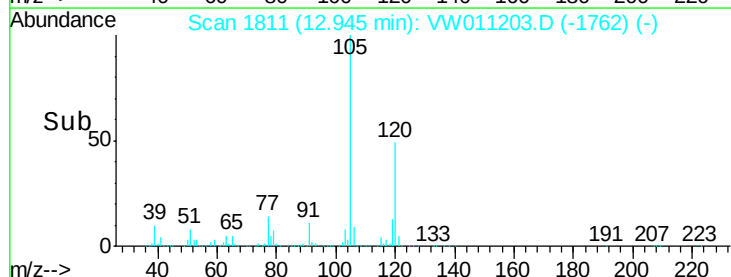
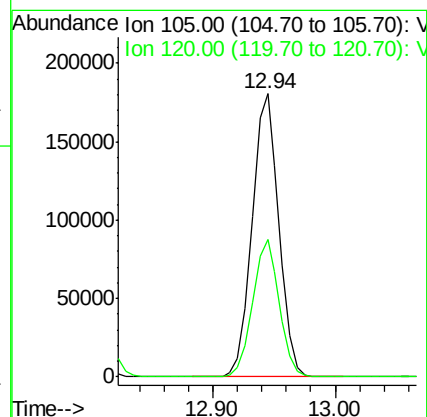
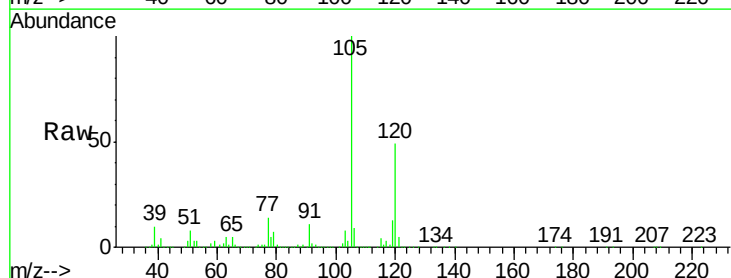
Acq: 10 Jul 2019 21:50

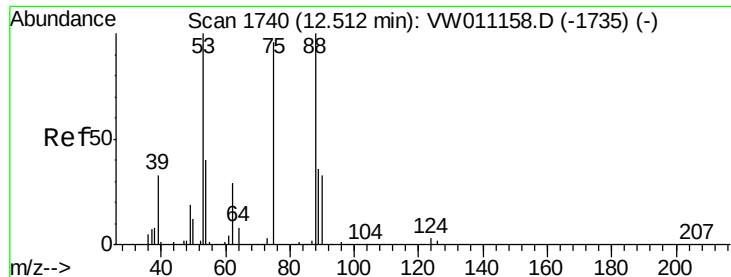
Tgt Ion:105 Resp: 273407

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





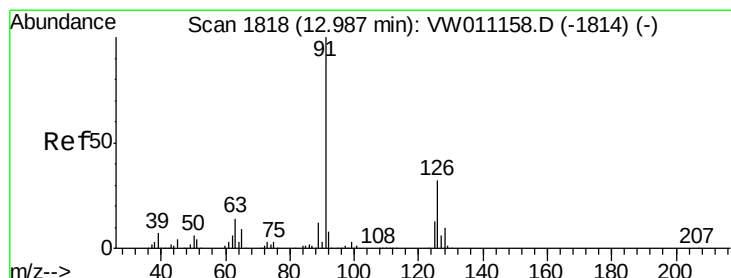
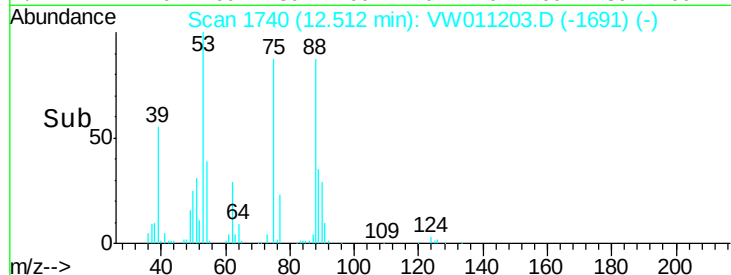
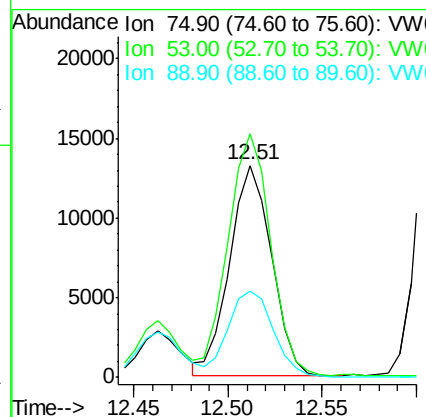
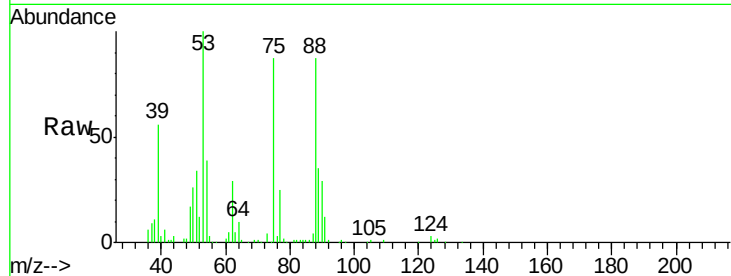
#81
trans-1,4-Dichloro-2-butene
Concen: 48.251 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.6	89.8	134.6
89	44.1	34.3	51.5

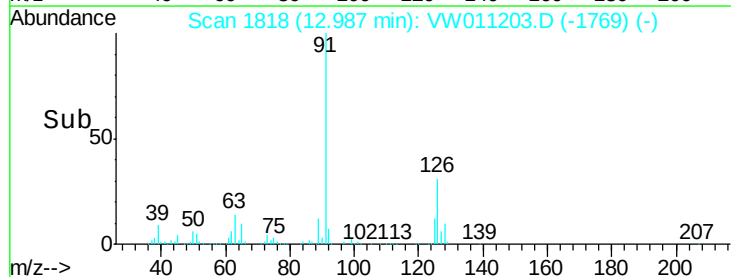
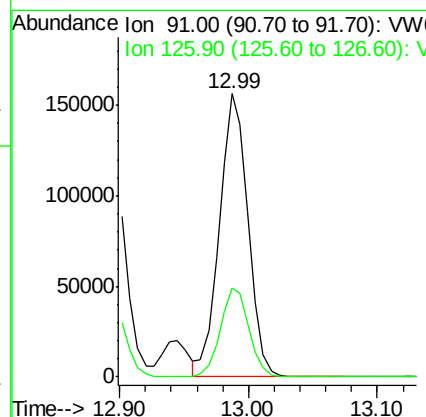
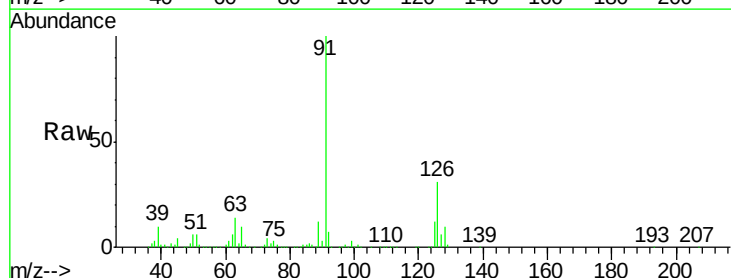
Manual Integrations
APPROVED

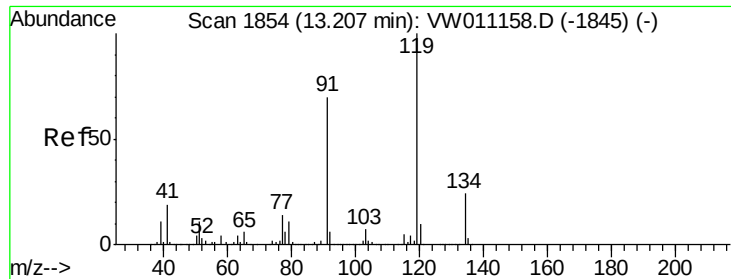
MMDadoda
7/11/2019 2:50:21 PM



#82
4-Chlorotoluene
Concen: 52.928 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1





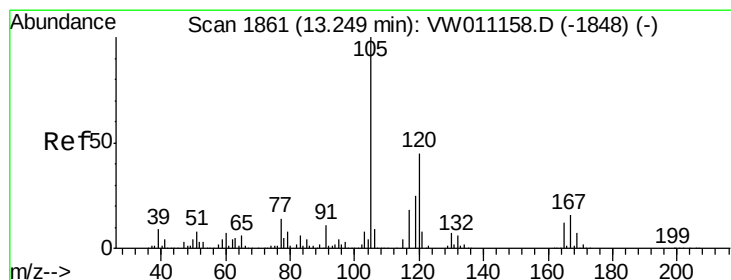
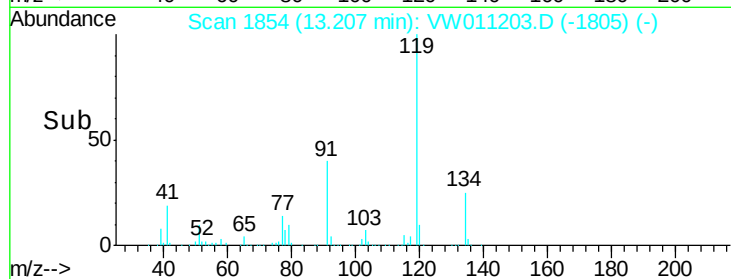
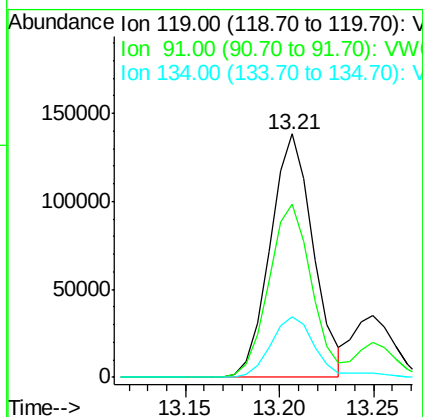
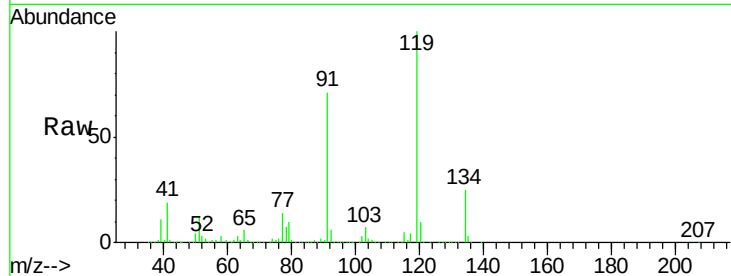
#83
tert-Butylbenzene
Concen: 49.469 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218116		
91	70.5	35.4	106.3	
134	26.5	13.4	40.2	

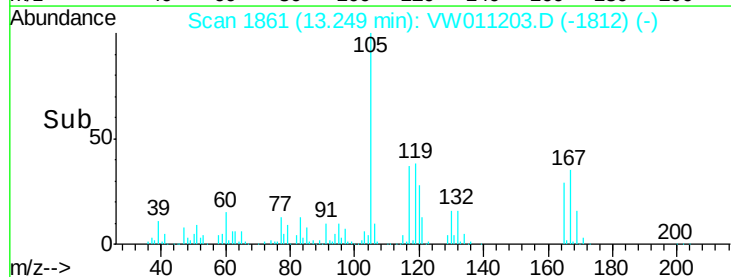
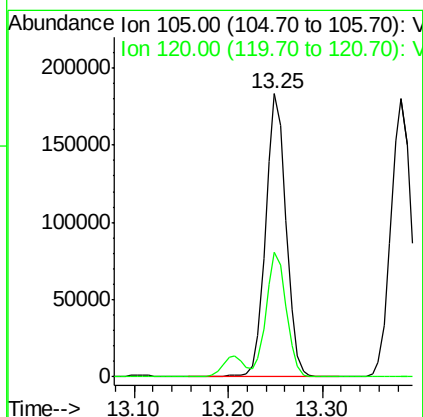
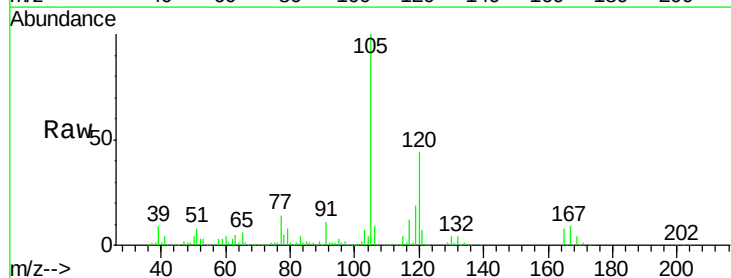
Manual Integrations
APPROVED

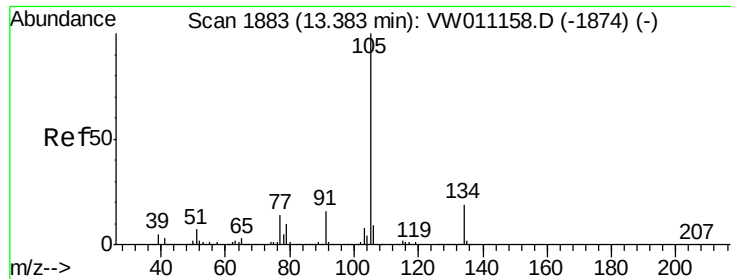
MMDadoda
7/11/2019 2:50:21 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.809 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280341		
120	43.2	22.3	66.9	





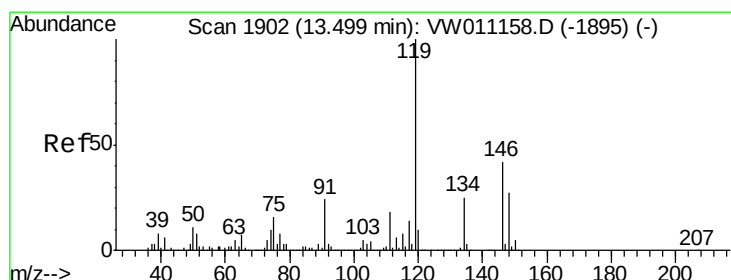
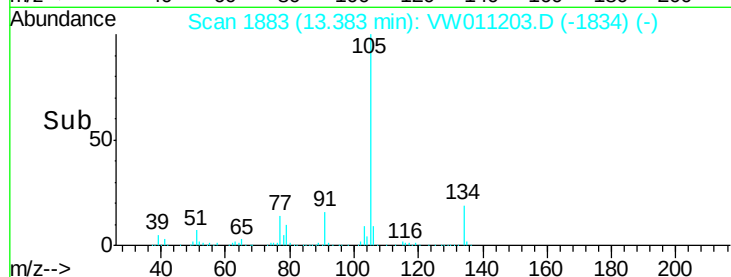
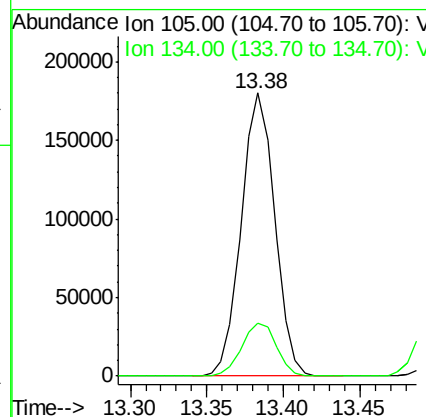
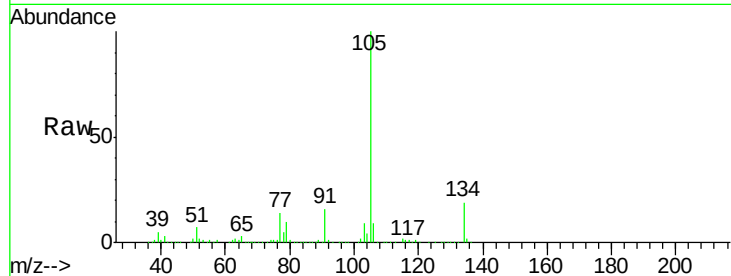
#85
 sec-Butylbenzene
 Concen: 43.022 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	273712		
134	19.5	9.7	28.9	

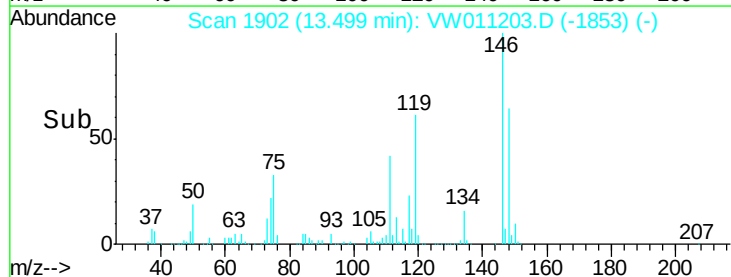
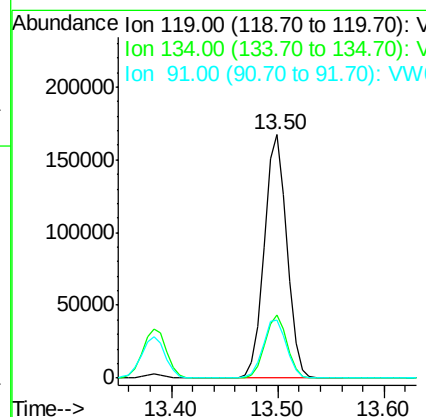
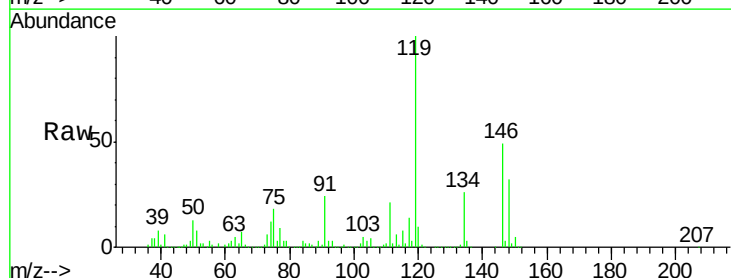
Manual Integrations
 APPROVED

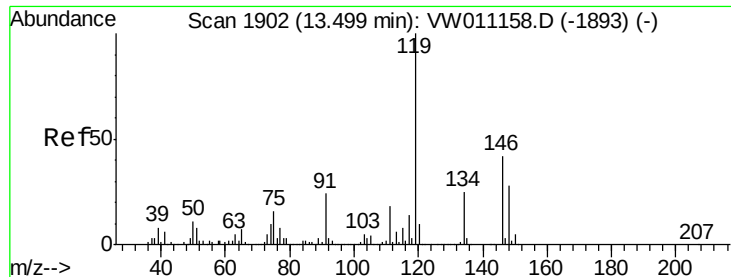
MMDadoda
 7/11/2019 2:50:21 PM



#86
 p-Isopropyltoluene
 Concen: 43.587 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	248723		
134	25.3	12.9	38.6	
91	24.6	12.3	36.8	





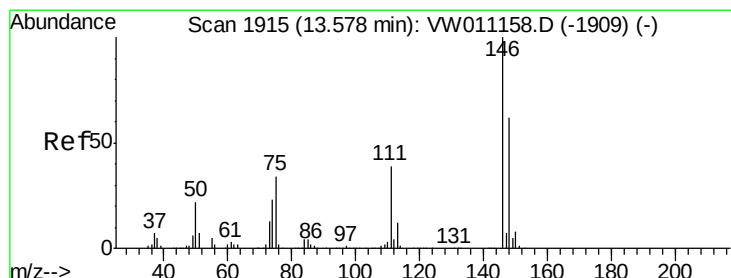
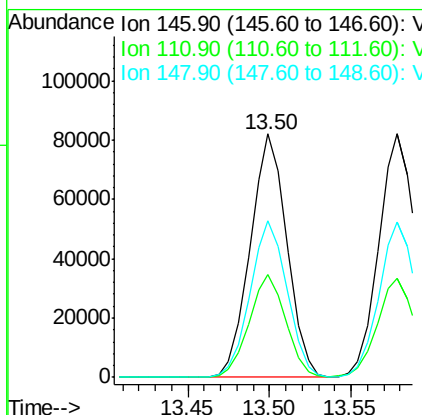
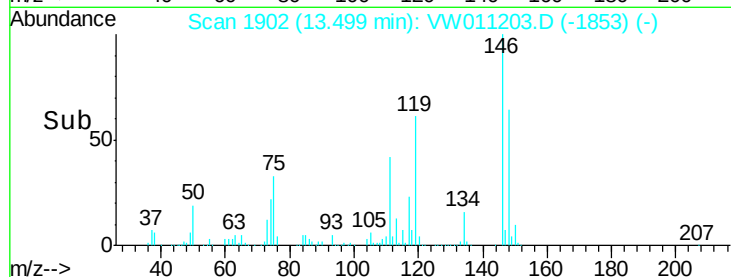
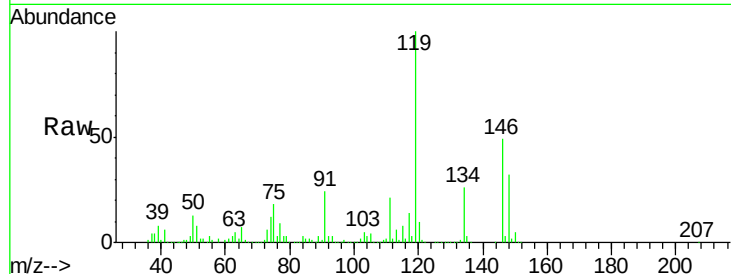
#87
 1,3-Dichlorobenzene
 Concen: 47.809 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.6	21.1	63.1	
148	64.5	32.6	97.7	

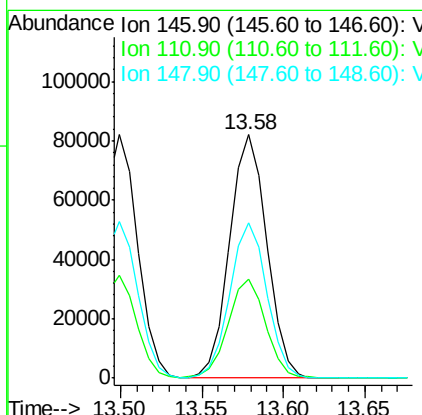
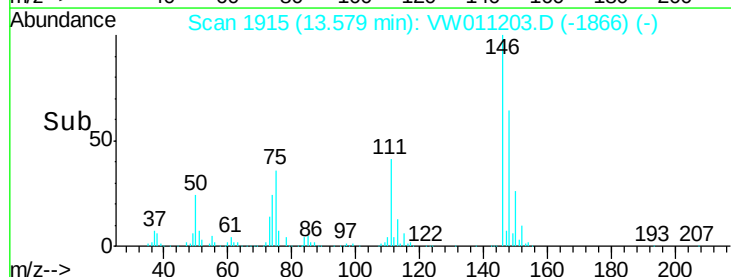
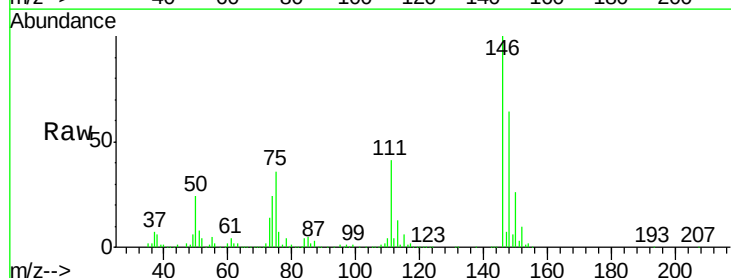
Manual Integrations
 APPROVED

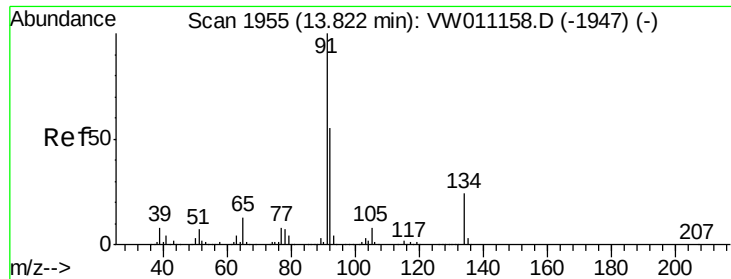
MMDadoda
 7/11/2019 2:50:21 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.226 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	19.9	59.7	
148	63.6	31.5	94.5	





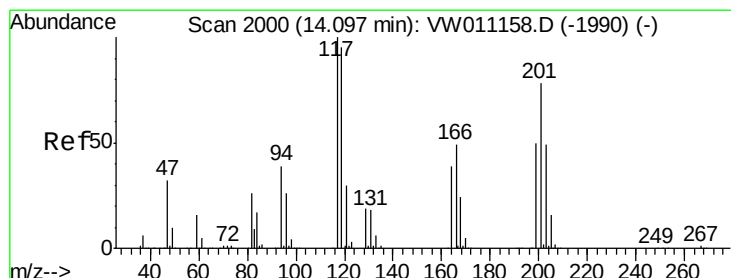
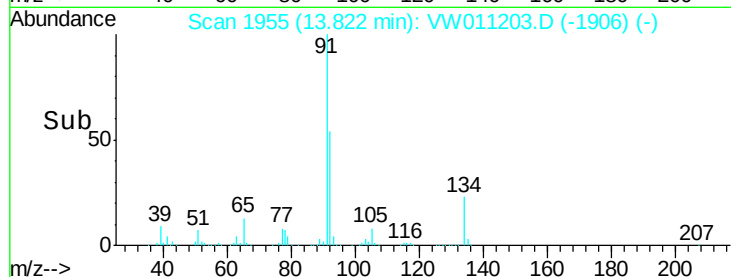
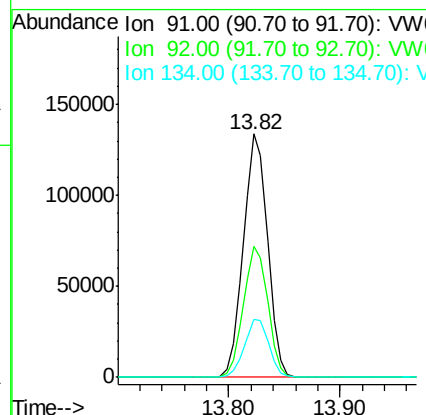
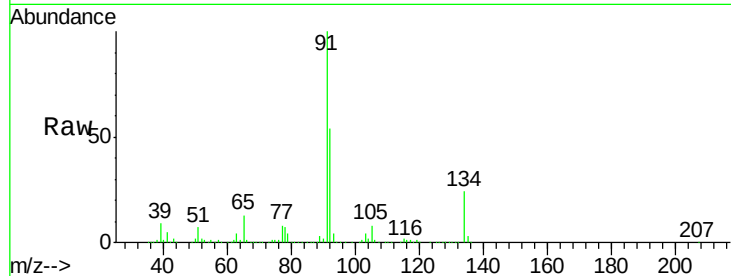
#89
n-Butylbenzene
Concen: 35.185 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	200291		
92	54.3		26.9	80.7
134	24.3		12.2	36.4

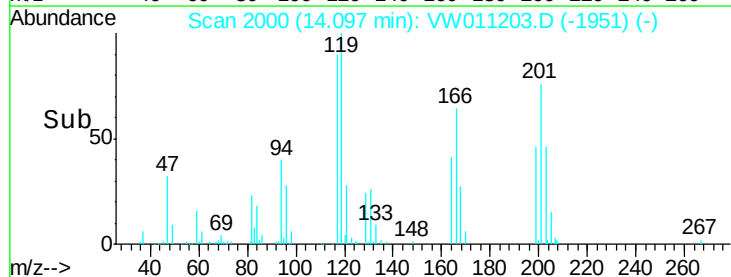
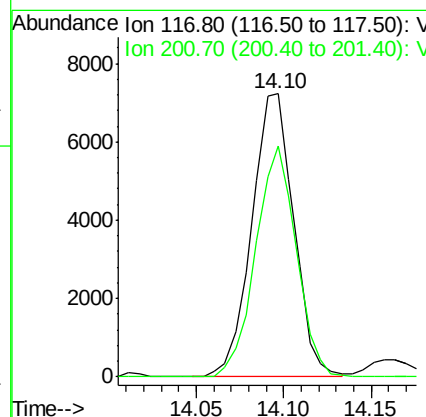
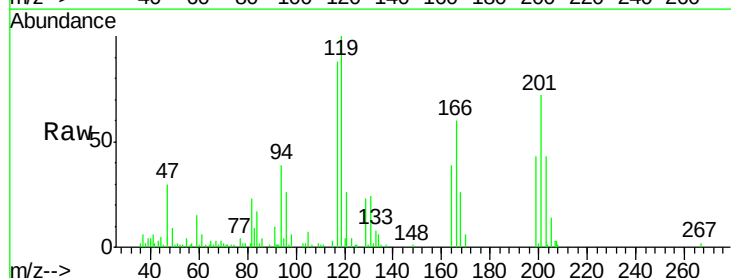
Manual Integrations
APPROVED

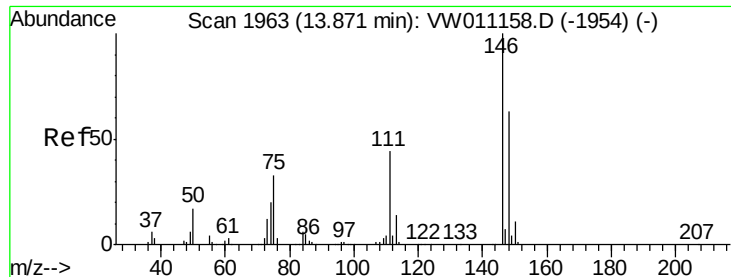
MMDadoda
7/11/2019 2:50:21 PM



#90
Hexachloroethane
Concen: 11.586 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12081		
201	78.7		38.3	114.8





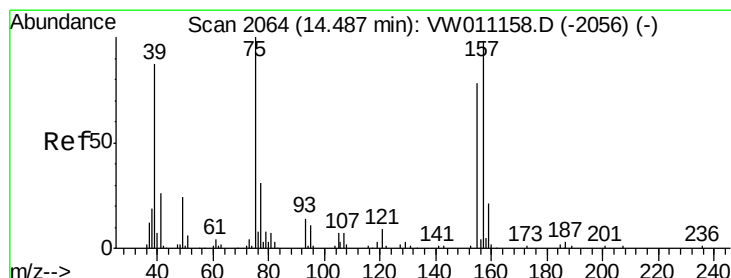
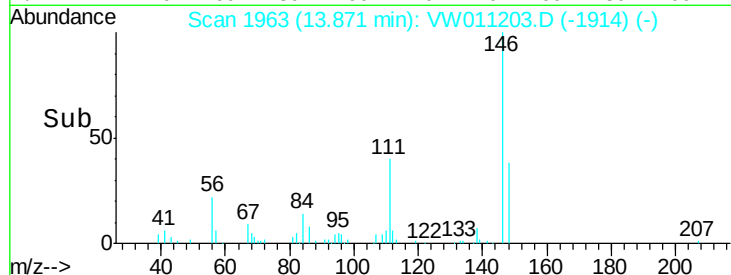
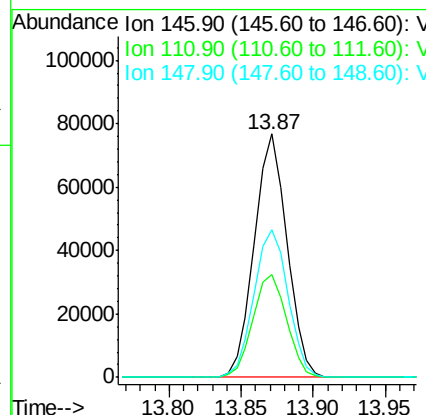
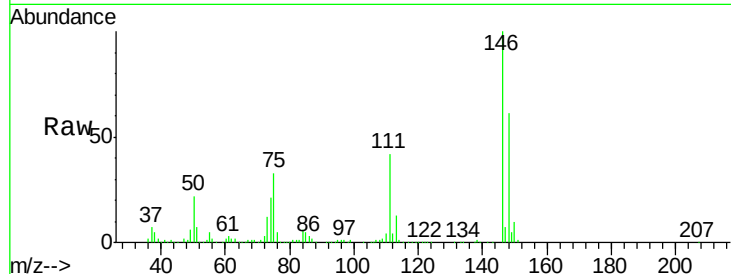
#91
 1,2-Dichlorobenzene
 Concen: 49.561 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120812		
111	43.5	21.6	65.0	
148	63.1	31.9	95.5	

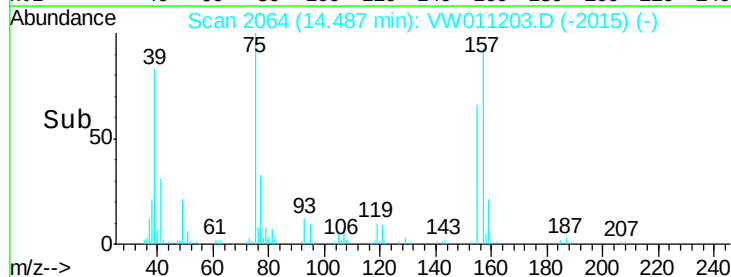
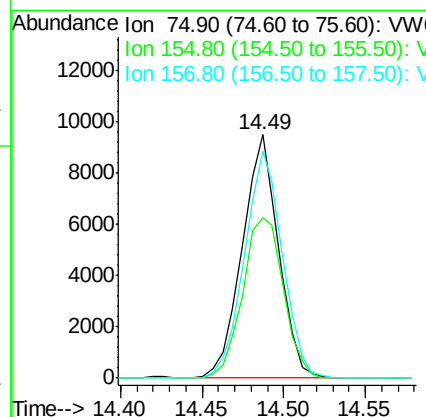
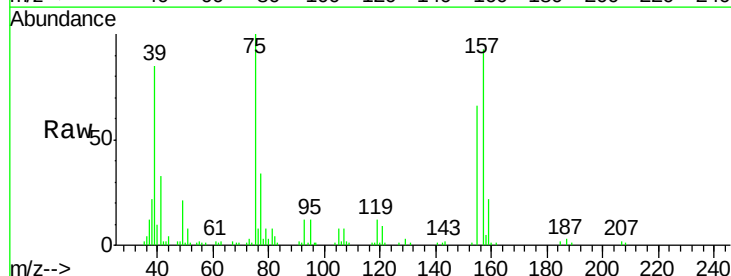
Manual Integrations
 APPROVED

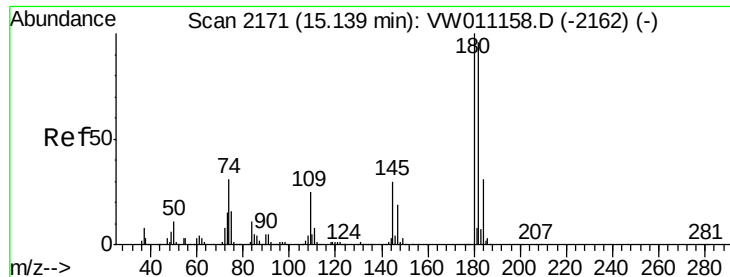
MMDadoda
 7/11/2019 2:50:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.087 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14727		
155	73.9	37.1	111.3	
157	97.4	48.5	145.6	





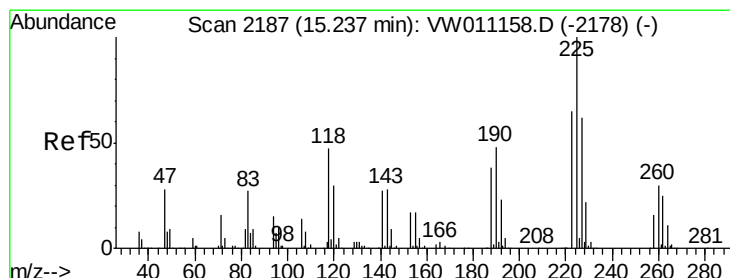
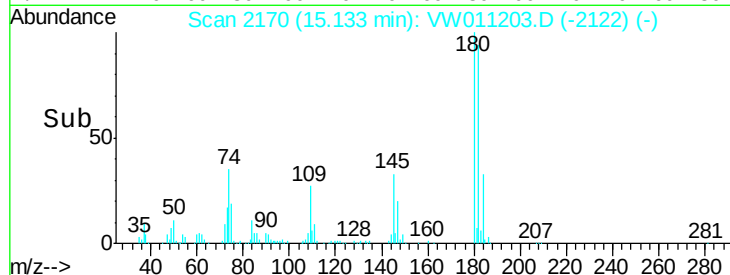
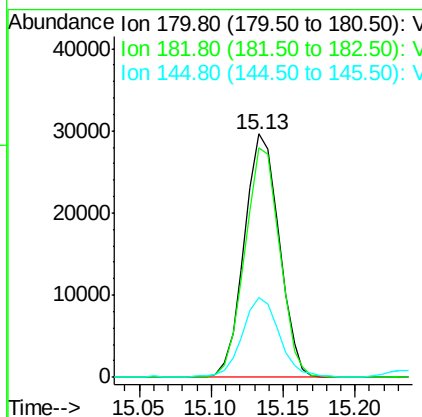
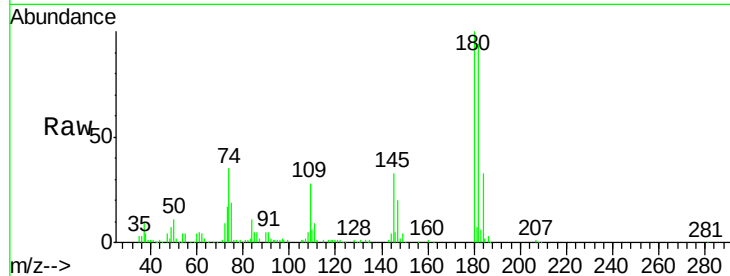
#93
 1,2,4-Trichlorobenzene
 Concen: 29.621 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49733		
182	93.9	48.3	144.9	
145	34.5	15.5	46.5	

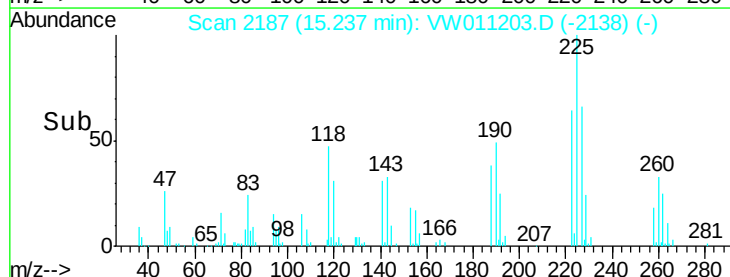
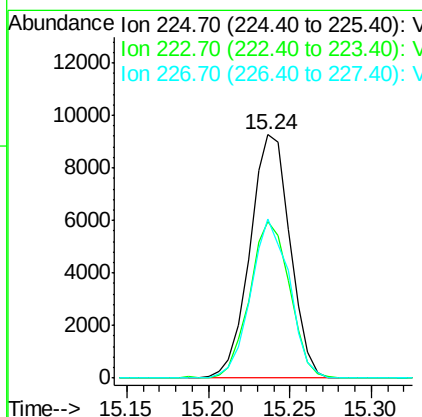
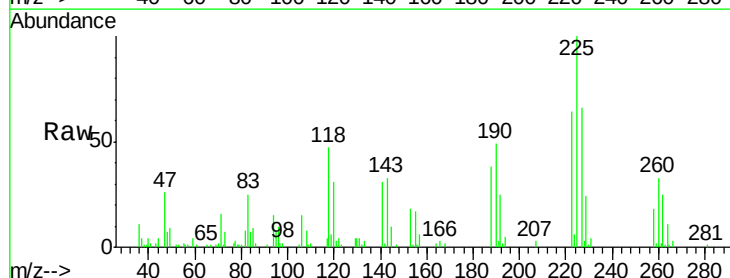
Manual Integrations
 APPROVED

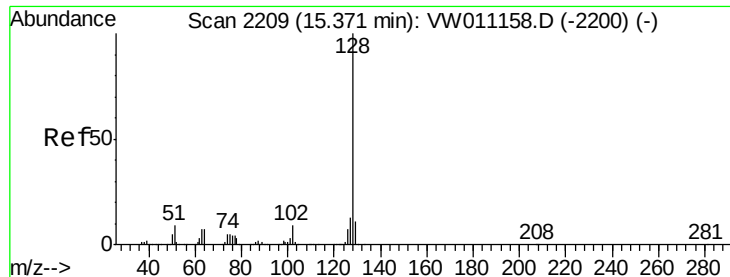
MMDadoda
 7/11/2019 2:50:21 PM



#94
 Hexachlorobutadiene
 Concen: 15.369 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011203.D
 Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15842		
223	64.3	31.6	95.0	
227	63.3	32.0	96.0	





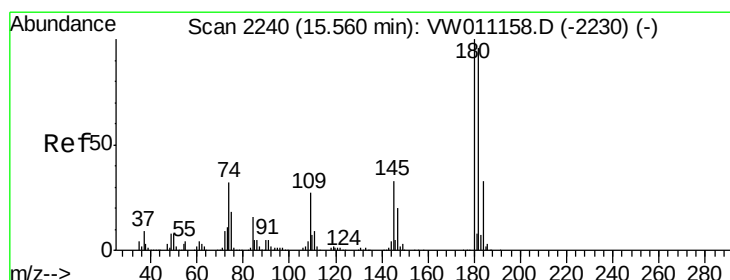
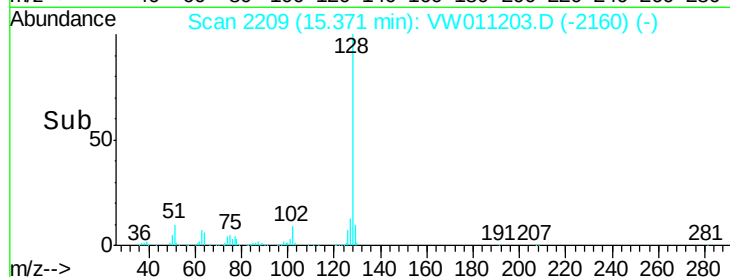
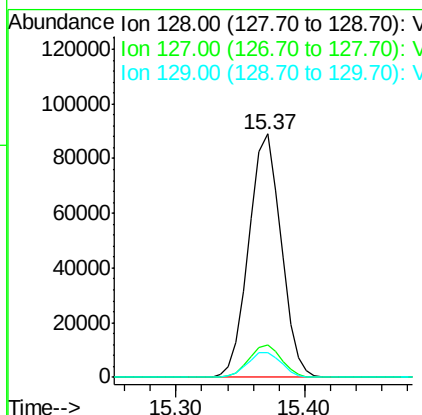
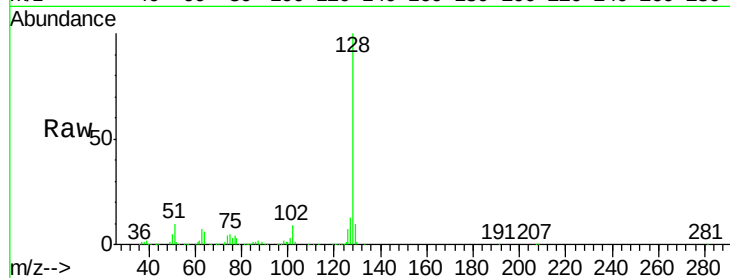
#95
Naphthalene
Concen: 47.940 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Instrument :
MSVOA_W
ClientSampleId :
KY030LC068-SD-190709MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 29.536 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011203.D
Acq: 10 Jul 2019 21:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.6	142.8
145	33.9	16.5	49.5

