

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081719\
 Data File : VW011951.D
 Acq On : 16 Aug 2019 08:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:55:10 AM

Quant Time: Aug 17 05:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138852	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.88	113	117192	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
50) Toluene-d8	10.32	98	478586	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.62	95	165480	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	63075	47.489	ug/l 92
3) Chloromethane	2.21	50	109685	47.625	ug/l 99
4) Vinyl Chloride	2.36	62	142507	51.395	ug/l 100
5) Bromomethane	2.77	94	74440	48.502	ug/l 98
6) Chloroethane	2.92	64	81826	51.662	ug/l 99
7) Trichlorofluoromethane	3.26	101	75174	60.663	ug/l 95
8) Diethyl Ether	3.68	74	66360	47.231	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	126103	53.644	ug/l 99
10) Methyl Iodide	4.27	142	171569	51.646	ug/l 100
11) Tert butyl alcohol	5.16	59	38288	184.942	ug/l 97
12) 1,1-Dichloroethene	4.04	96	129179	52.046	ug/l 98
13) Acrolein	3.89	56	30533	155.496	ug/l 96
14) Allyl chloride	4.66	41	281354	53.297	ug/l 99
15) Acrylonitrile	5.36	53	162730	232.017	ug/l 98
16) Acetone	4.12	43	204082	234.442	ug/l 98
17) Carbon Disulfide	4.38	76	386546	49.759	ug/l 100
18) Methyl Acetate	4.67	43	84065	42.987	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	194753	49.447	ug/l 98
20) Methylene Chloride	4.91	84	136167	45.356	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	137975	51.562	ug/l 98
22) Diisopropyl ether	6.31	45	499239	50.160	ug/l 99
23) Vinyl Acetate	6.25	43	1525630	243.948	ug/l 100
24) 1,1-Dichloroethane	6.21	63	274260	51.452	ug/l 100
25) 2-Butanone	7.17	43	255346	224.169	ug/l 99
26) 2,2-Dichloropropane	7.17	77	160322	48.906	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	146187	49.638	ug/l 99
28) Bromochloromethane	7.51	49	120932	51.113	ug/l 99
29) Tetrahydrofuran	7.52	42	143799	220.853	ug/l 99
30) Chloroform	7.67	83	247842	50.398	ug/l 97
31) Cyclohexane	7.95	56	252785	49.404	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	198399	52.975	ug/l 100
36) 1,1-Dichloropropene	8.08	75	209775	53.787	ug/l 99
37) Ethyl Acetate	7.25	43	102492	45.677	ug/l 99
38) Carbon Tetrachloride	8.07	117	184604	55.291	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	233202	54.302	ug/l	99
40) Benzene	8.32	78	567086	51.910	ug/l	99
41) Methacrylonitrile	7.48	41	66199	49.354	ug/l	95
42) 1,2-Dichloroethane	8.40	62	170483	49.844	ug/l	100
43) Isopropyl Acetate	8.42	43	195578	47.394	ug/l	99
44) Trichloroethene	9.09	130	139691	53.202	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150662	51.543	ug/l	98
46) Dibromomethane	9.46	93	66271	49.674	ug/l	99
47) Bromodichloromethane	9.65	83	180261	51.509	ug/l	99
48) Methyl methacrylate	9.43	41	96545	48.704	ug/l	96
49) 1,4-Dioxane	9.45	88	17718	917.211	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	495279	230.743	ug/l	100
52) Toluene	10.39	92	345681	52.398	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	184719	50.529	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	224615	51.676	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	92341	48.782	ug/l	98
56) Ethyl methacrylate	10.65	69	134747	48.646	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175182	48.917	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	358978	285.431	ug/l	100
59) 2-Hexanone	10.97	43	371159	244.903	ug/l	99
60) Dibromochloromethane	11.13	129	106858	50.856	ug/l	100
61) 1,2-Dibromoethane	11.24	107	86843	48.479	ug/l	99
64) Tetrachloroethene	10.86	164	112079	53.631	ug/l	99
65) Chlorobenzene	11.66	112	339248	52.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	118660	52.793	ug/l	99
67) Ethyl Benzene	11.73	91	668788	54.419	ug/l	99
68) m/p-Xylenes	11.84	106	486964	108.955	ug/l	99
69) o-Xylene	12.16	106	223756	53.875	ug/l	100
70) Styrene	12.18	104	390309	54.353	ug/l	99
71) Bromoform	12.35	173	59121	51.589	ug/l #	99
73) Isopropylbenzene	12.46	105	632464	55.310	ug/l	99
74) N-amyl acetate	12.27	43	178212	49.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106351	49.445	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	71645m	44.174	ug/l	
77) Bromobenzene	12.75	156	132844	52.560	ug/l	99
78) n-propylbenzene	12.80	91	775352	55.715	ug/l	100
79) 2-Chlorotoluene	12.89	91	429346	53.553	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	529246	55.214	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36346	51.647	ug/l	99
82) 4-Chlorotoluene	12.99	91	453294	53.888	ug/l	100
83) tert-Butylbenzene	13.21	119	450163	56.160	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	522948	54.158	ug/l	100
85) sec-Butylbenzene	13.38	105	637512	55.739	ug/l	100
86) p-Isopropyltoluene	13.50	119	575612	55.468	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	259755	52.414	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	255846	51.897	ug/l	100
89) n-Butylbenzene	13.82	91	579127	55.922	ug/l	100
90) Hexachloroethane	14.10	117	101668	55.405	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	226182	51.602	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17408	47.461	ug/l	98

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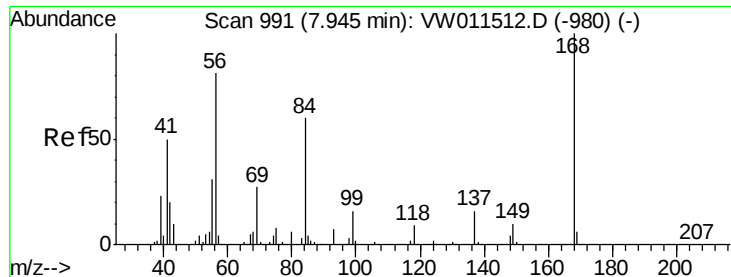
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	163342	52.876	ug/l	99
94) Hexachlorobutadiene	15.24	225	107161	55.626	ug/l	99
95) Naphthalene	15.37	128	285210	47.252	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	141937	52.417	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: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 238321

Ion Ratio Lower Upper

168 100

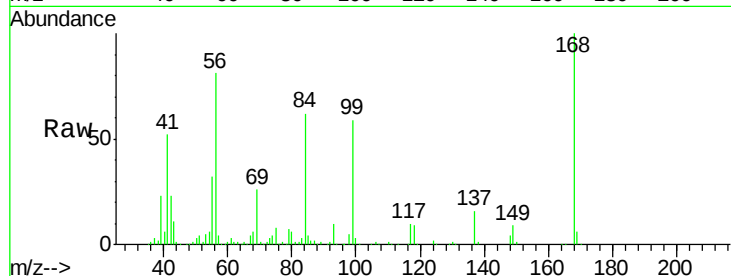
99 59.3 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

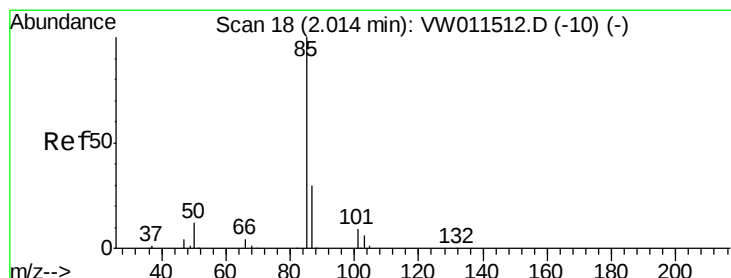
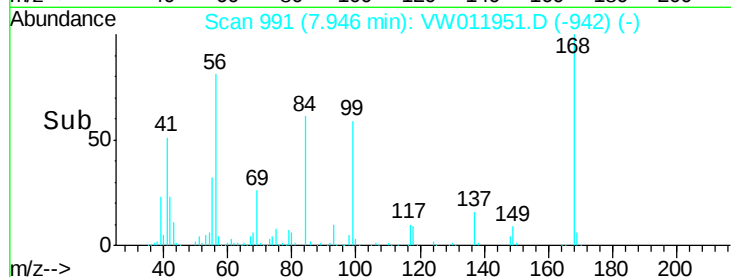
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 47.489 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011951.D

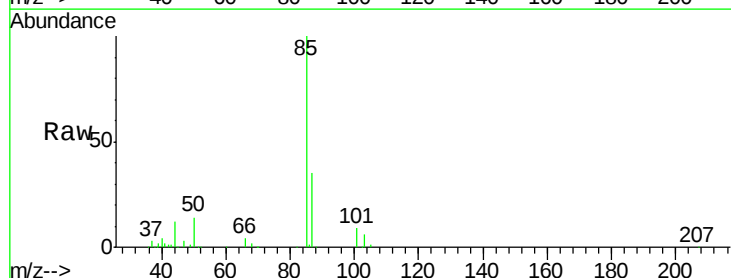
Acq: 16 Aug 2019 08:58

Tgt Ion: 85 Resp: 63075

Ion Ratio Lower Upper

85 100

87 34.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

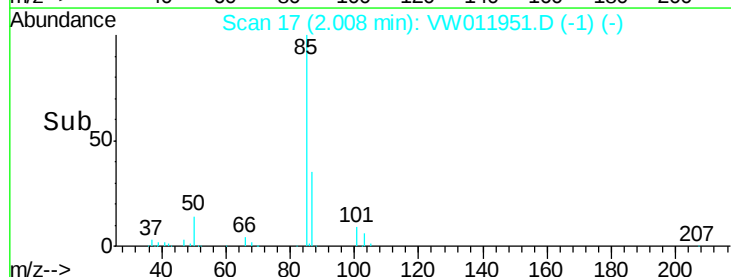
15000

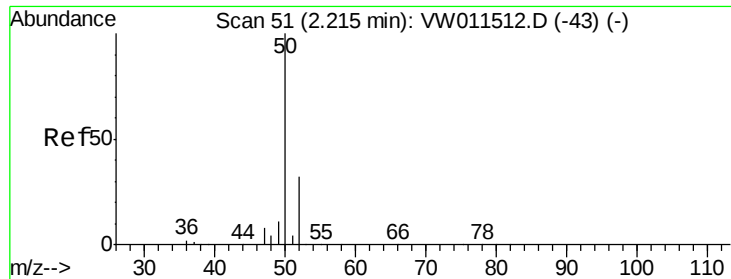
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 47.625 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109685

Ion Ratio Lower Upper

50 100

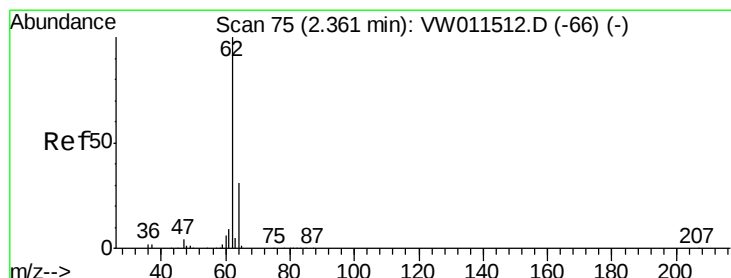
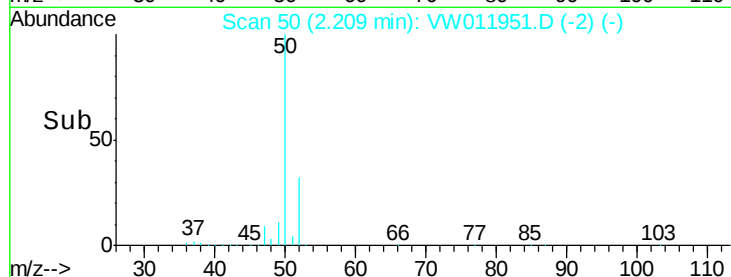
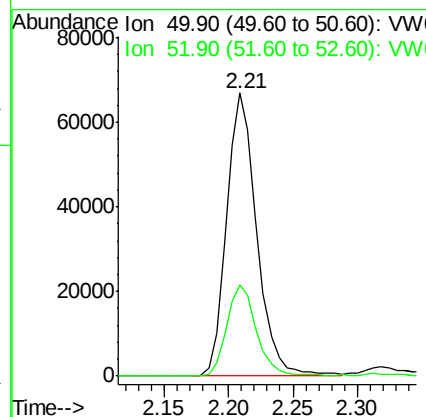
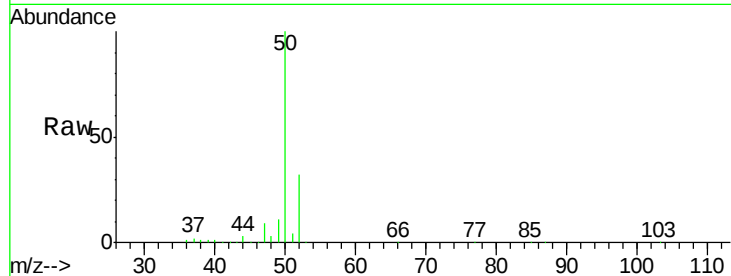
52 32.5 25.4 38.2

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8/19/2019 10:55:10 AM



#4

Vinyl Chloride

Concen: 51.395 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011951.D

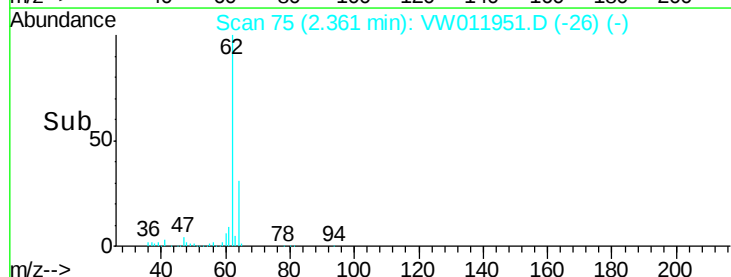
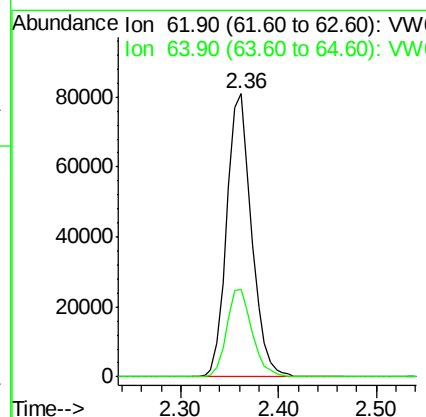
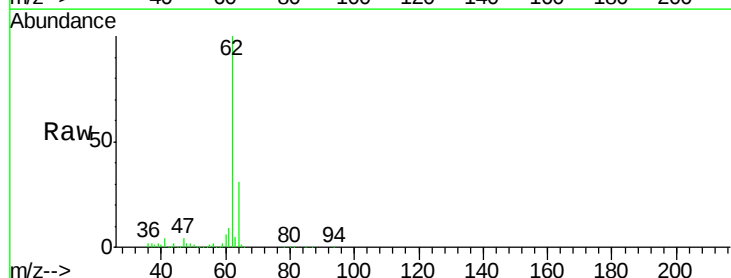
Acq: 16 Aug 2019 08:58

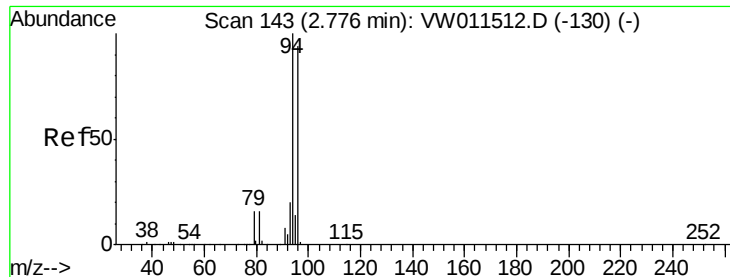
Tgt Ion: 62 Resp: 142507

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 48.502 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 74440

Ion Ratio Lower Upper

94 100

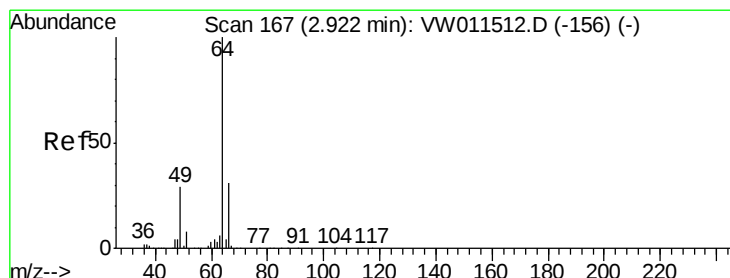
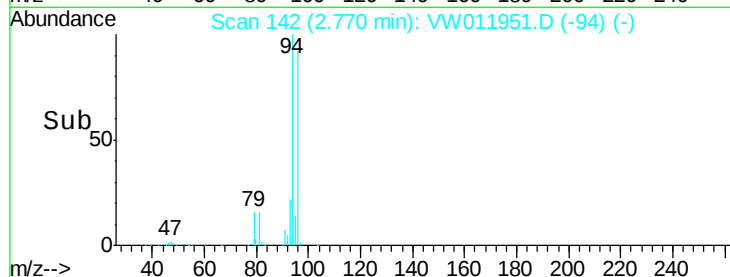
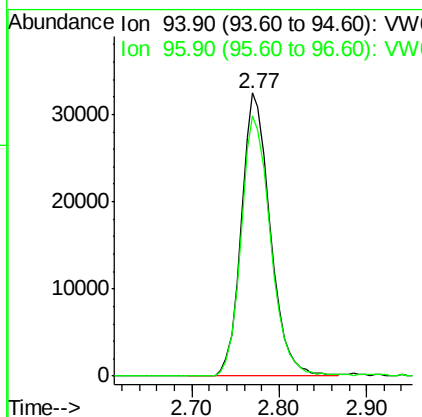
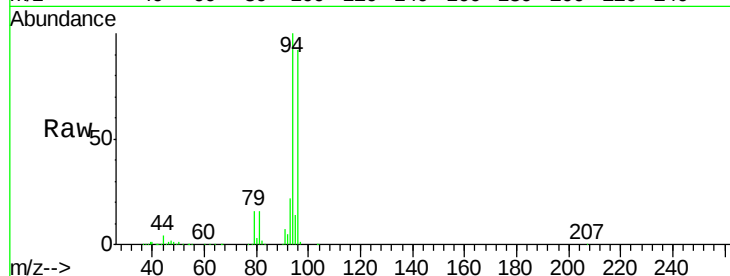
96 91.9 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 51.662 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011951.D

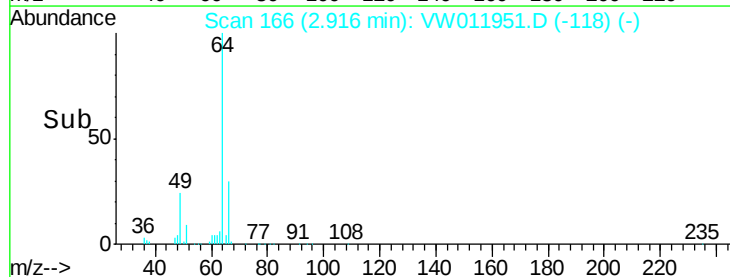
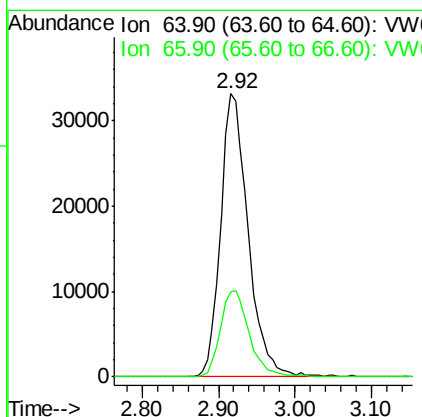
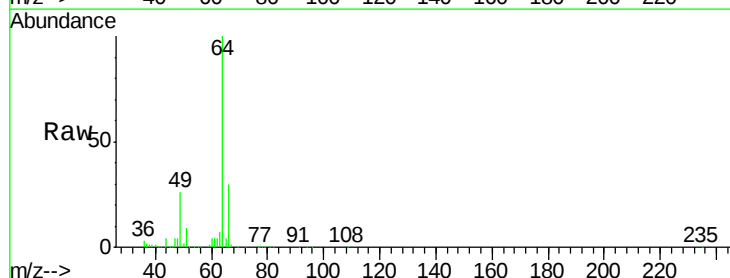
Acq: 16 Aug 2019 08:58

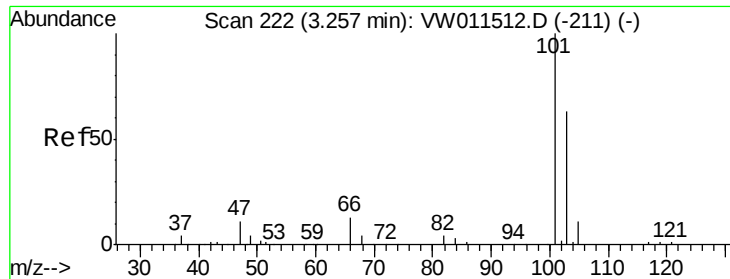
Tgt Ion: 64 Resp: 81826

Ion Ratio Lower Upper

64 100

66 29.9 24.6 36.8





#7

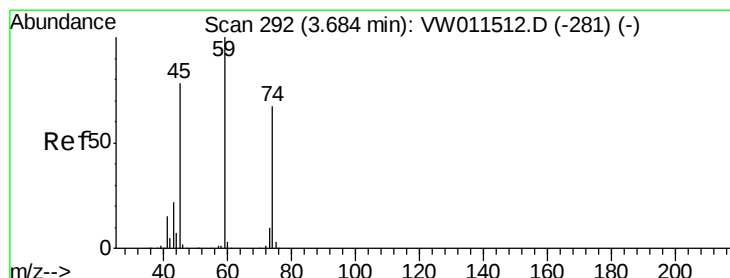
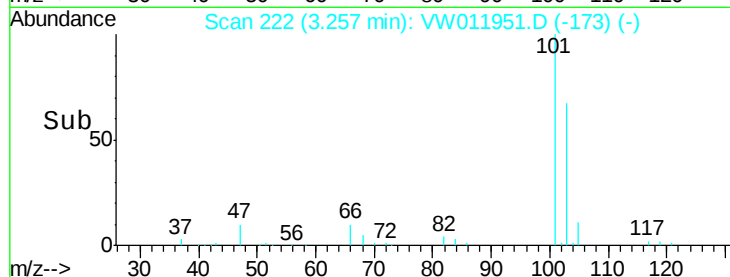
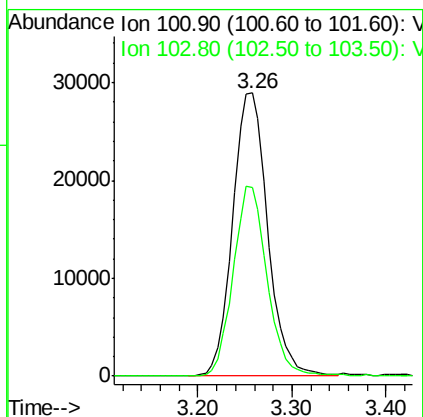
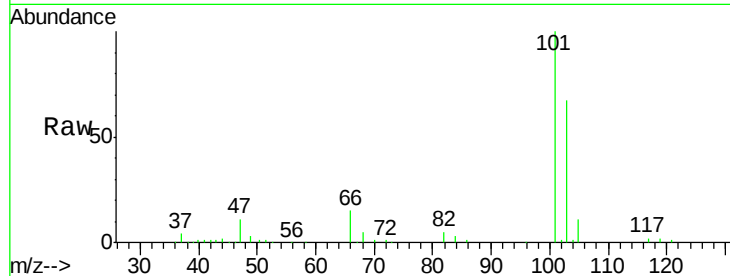
Trichlorofluoromethane
 Concen: 60.663 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.2	75.4

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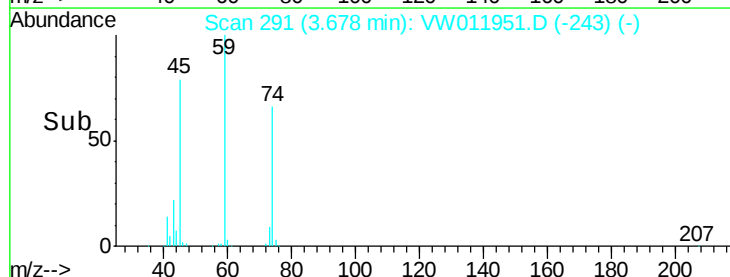
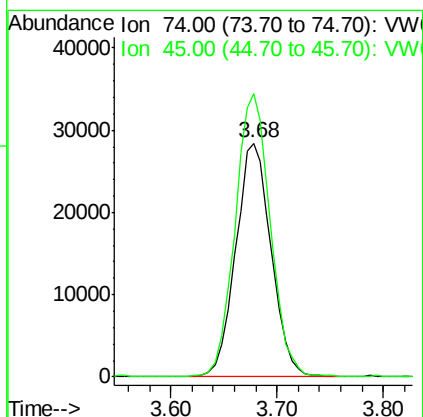
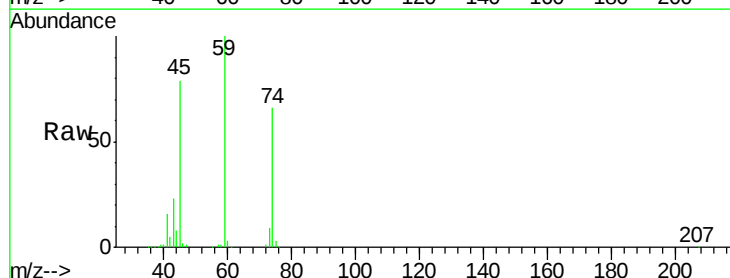
MMDadoda
 8/19/2019 10:55:10 AM

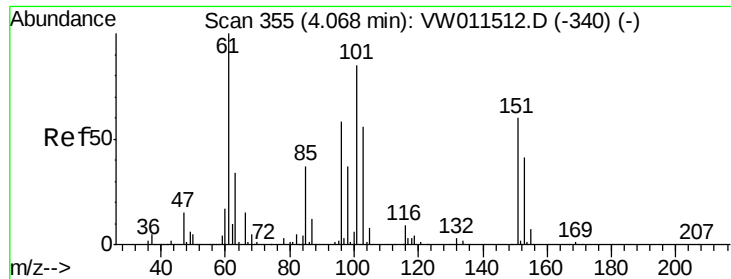


#8

Diethyl Ether
 Concen: 47.231 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.644 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

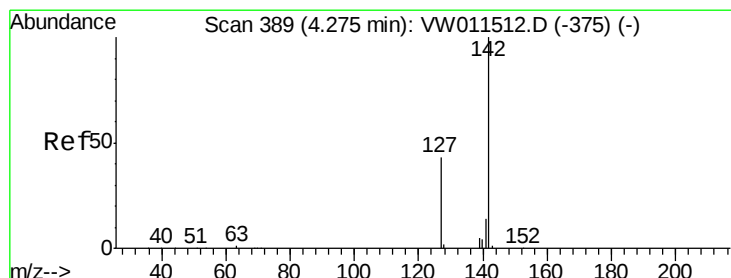
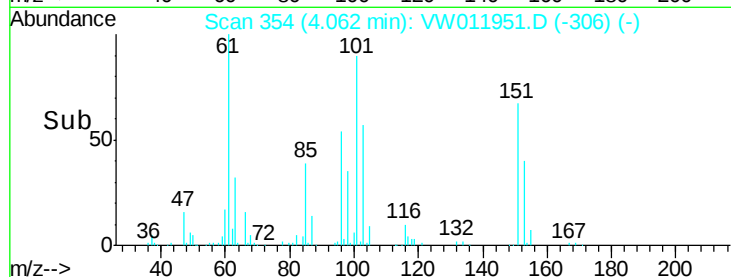
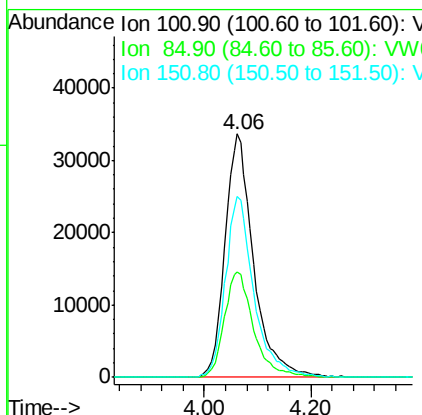
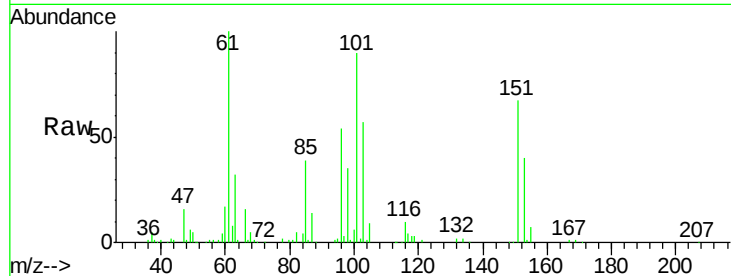
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	126103
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.6	54.8
151	74.3	60.2	90.2

Manual Integrations
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8/19/2019 10:55:10 AM



#10

Methyl Iodide

Concen: 51.646 ug/l

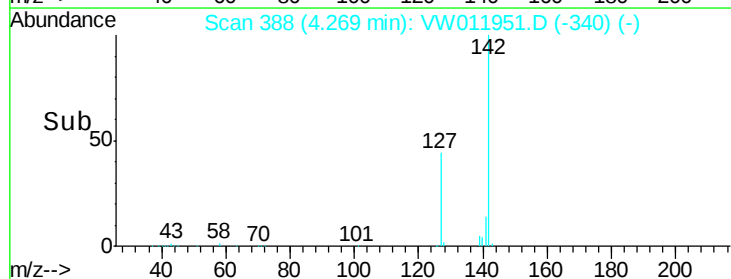
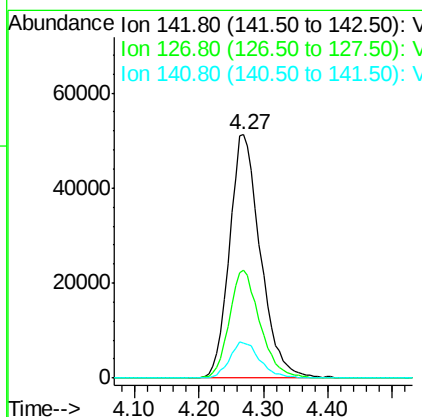
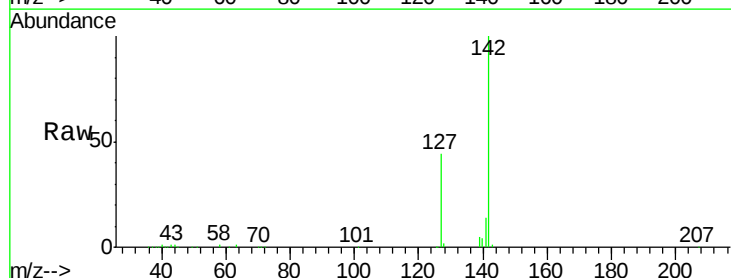
RT: 4.27 min Scan# 388

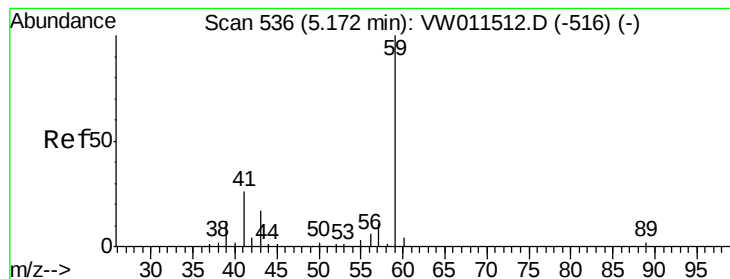
Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	142	Resp:	171569
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.0	52.6
141	14.7	11.9	17.9





#11

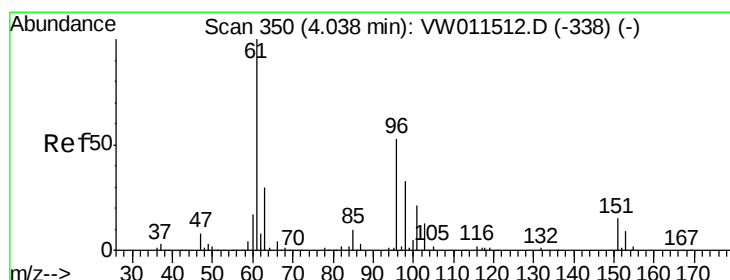
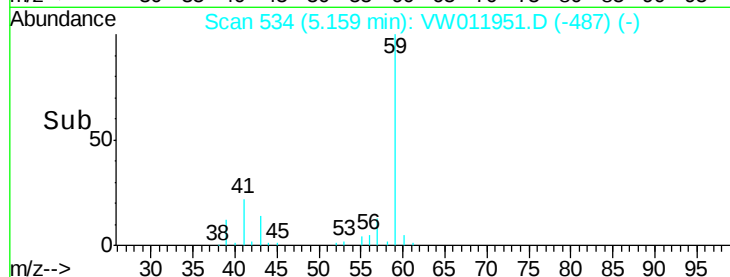
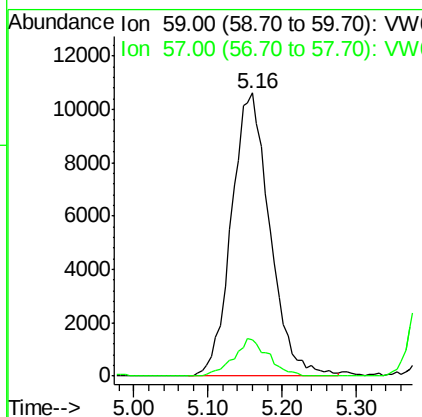
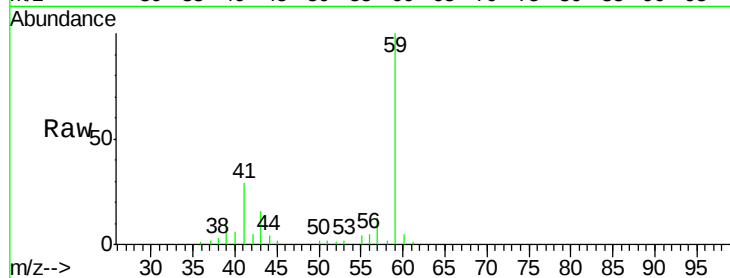
Tert butyl alcohol
 Concen: 184.942 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	11.9		8.5	12.7

Manual Integrations
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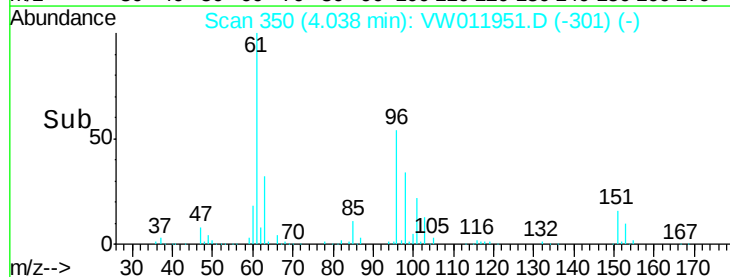
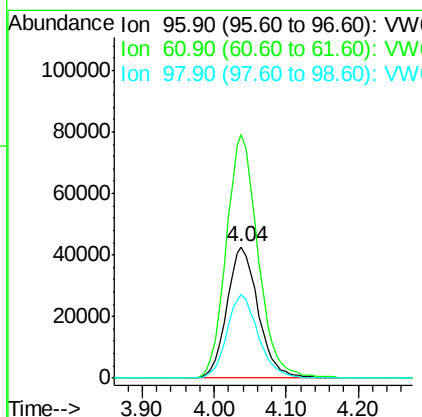
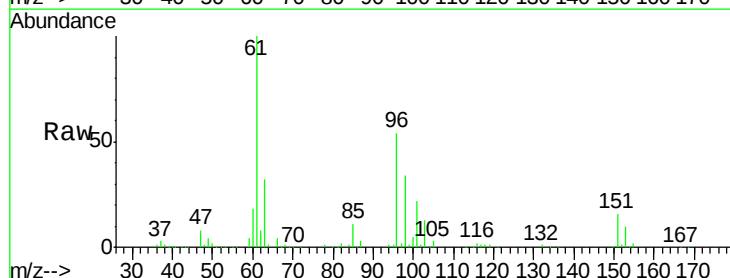
MMDadoda
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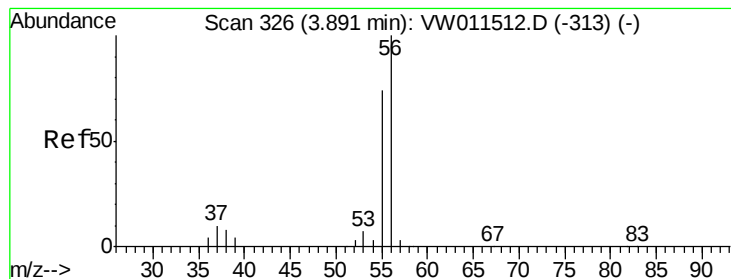


#12

1,1-Dichloroethene
 Concen: 52.046 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	185.6		149.9	224.9
98	63.4		49.1	73.7





#13

Acrolein

Concen: 155.496 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 30533

Ion Ratio Lower Upper

56 100

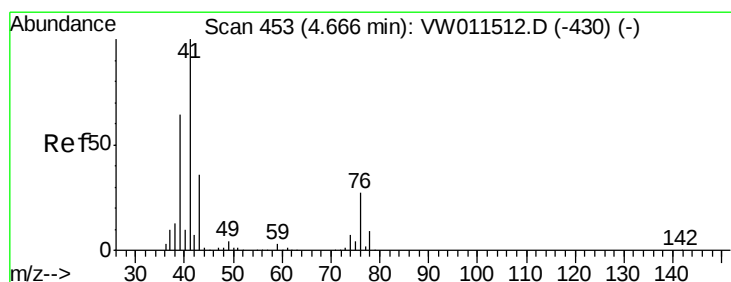
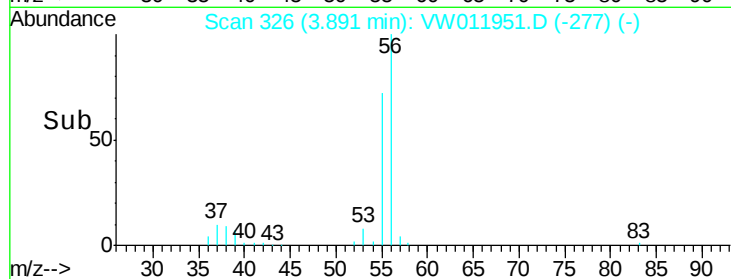
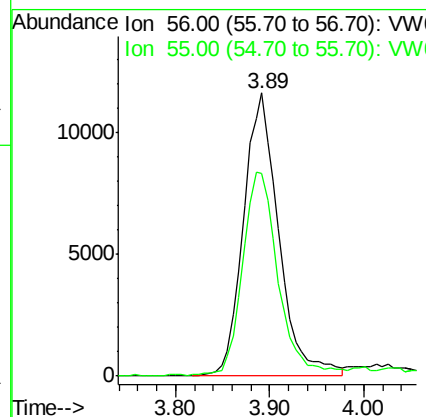
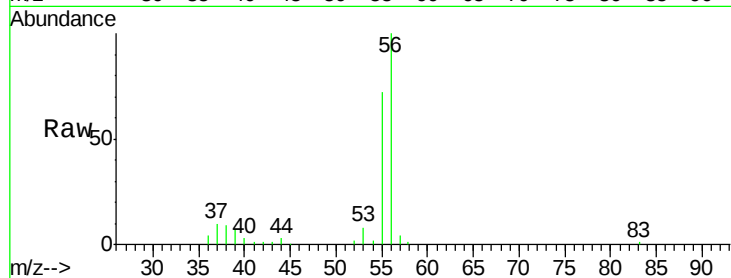
55 73.5 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 53.297 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

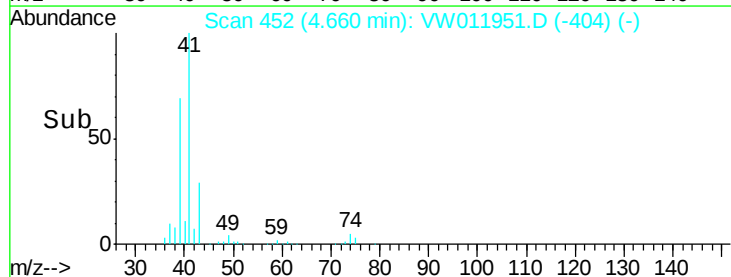
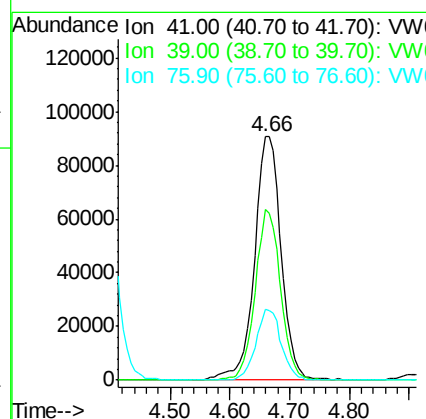
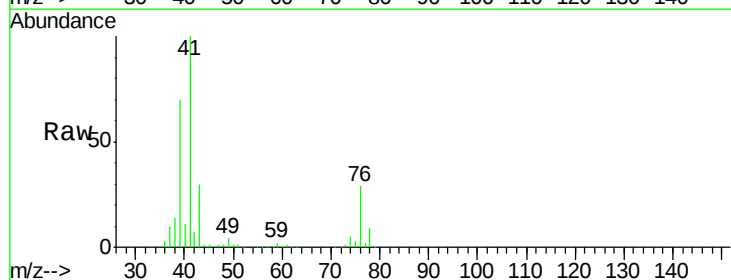
Tgt Ion: 41 Resp: 281354

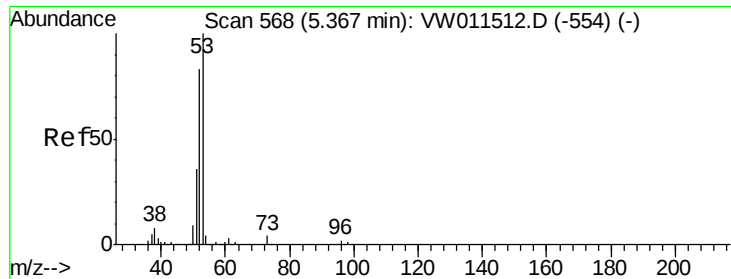
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 232.017 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

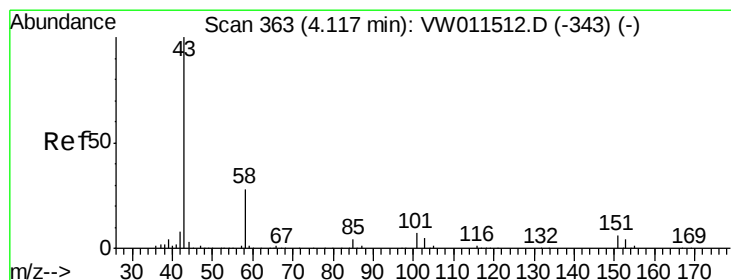
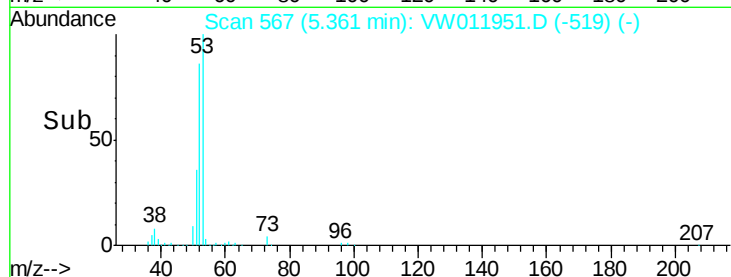
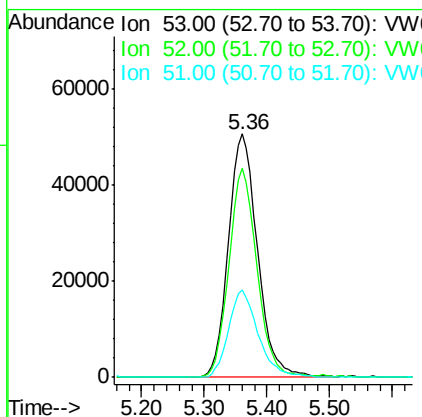
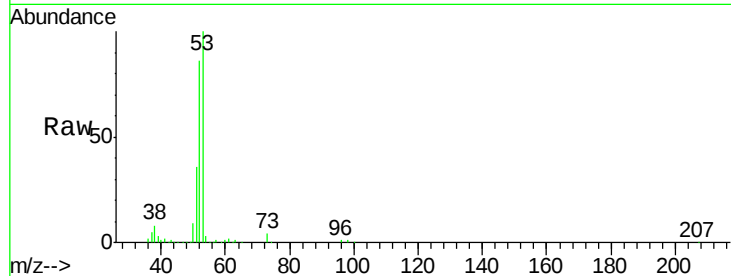
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	162730
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.2	100.8
51	36.7	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 234.442 ug/l

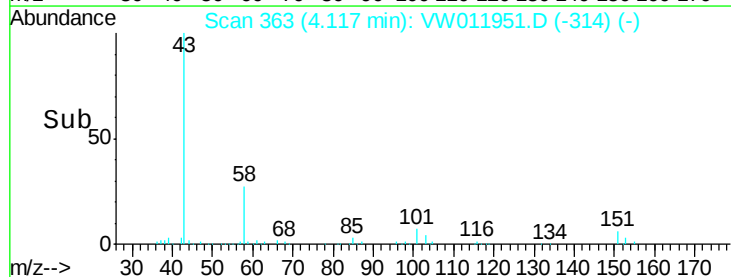
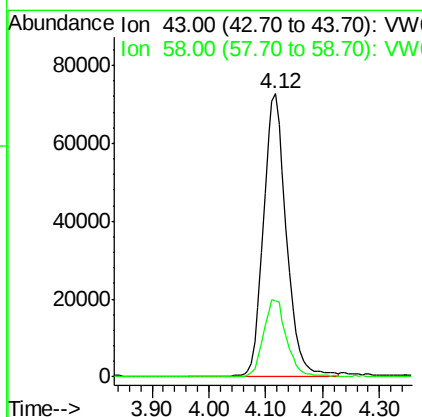
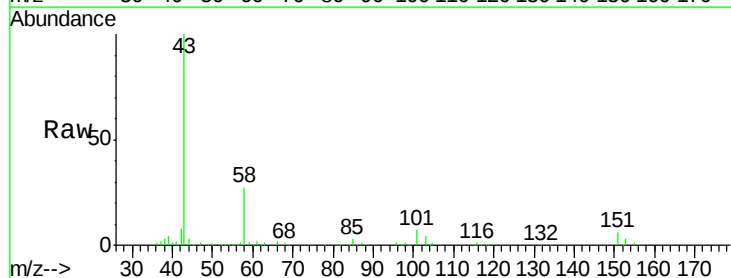
RT: 4.12 min Scan# 363

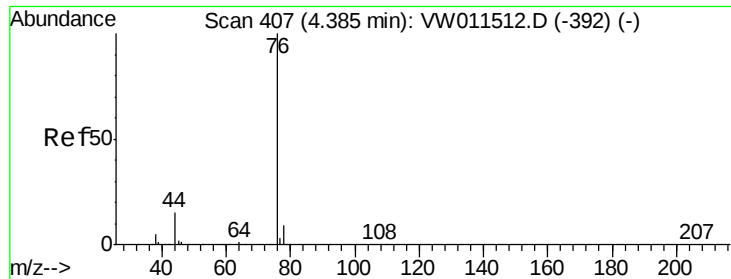
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	43	Resp:	204082
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.3	33.5





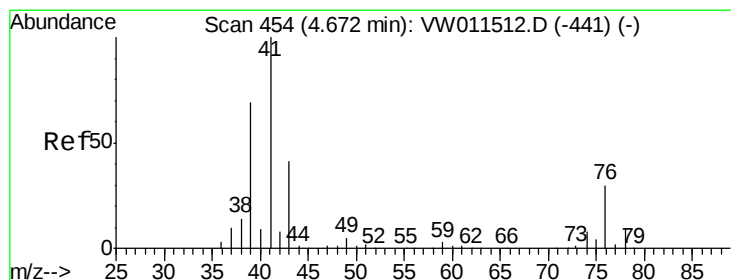
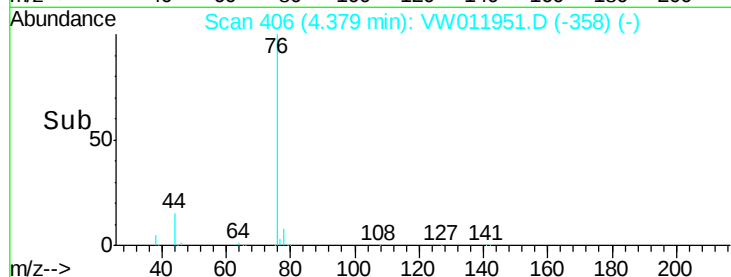
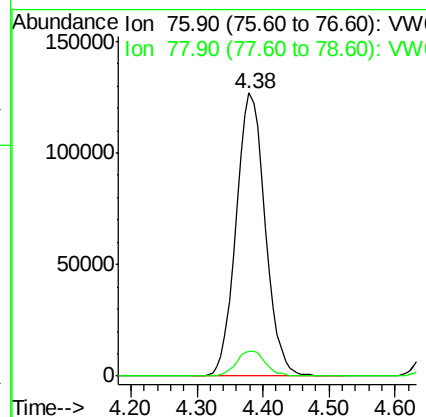
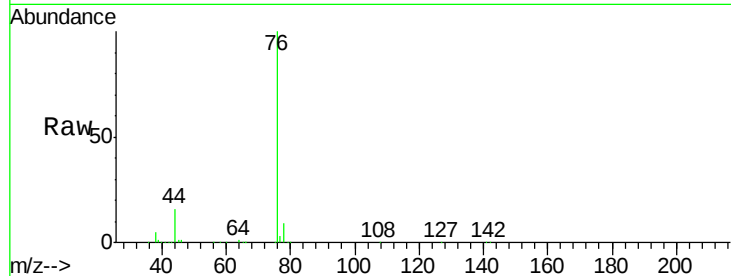
#17
Carbon Disulfide
Concen: 49.759 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

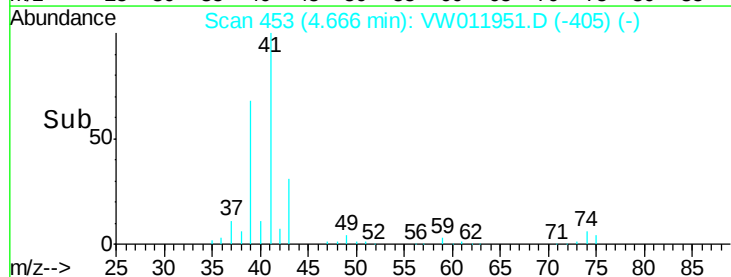
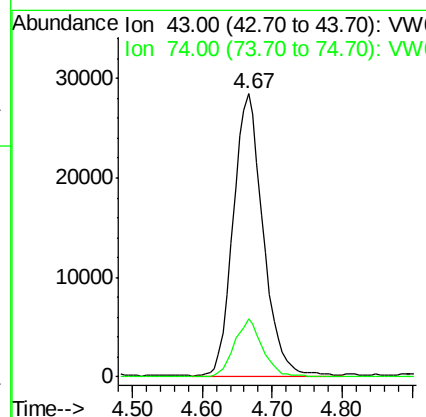
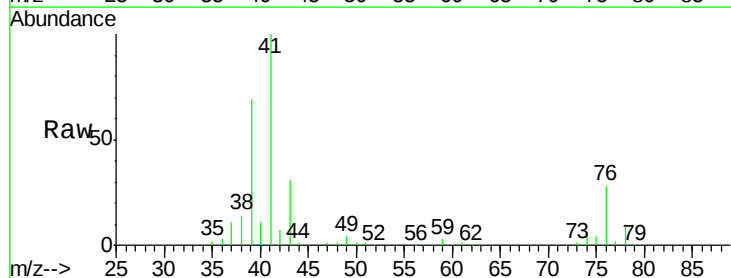
Manual Integrations
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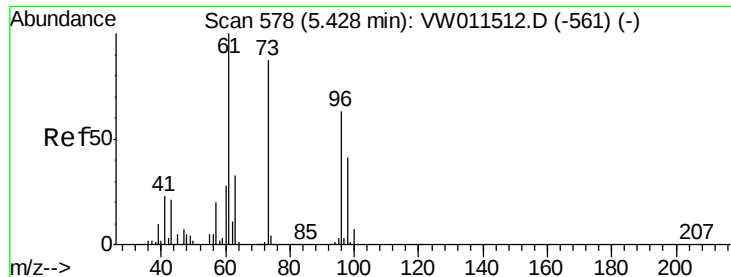
MMDadoda
8/19/2019 10:55:10 AM



#18
Methyl Acetate
Concen: 42.987 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.9	23.9





#19

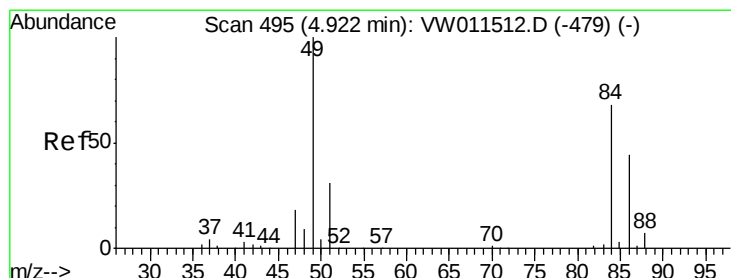
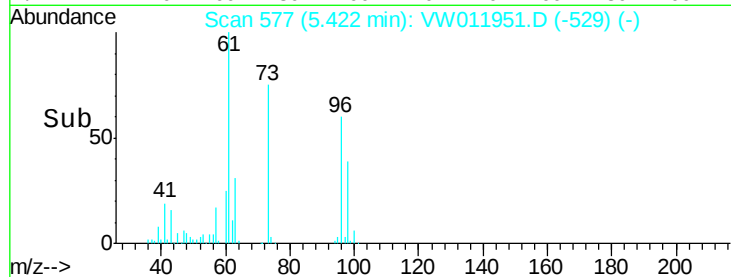
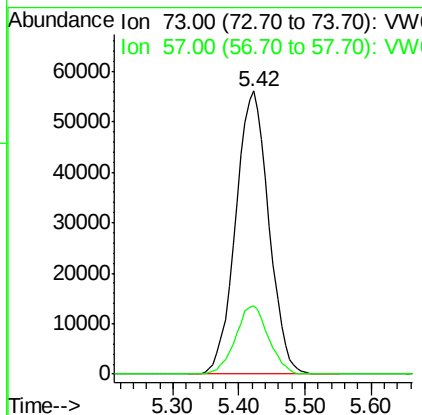
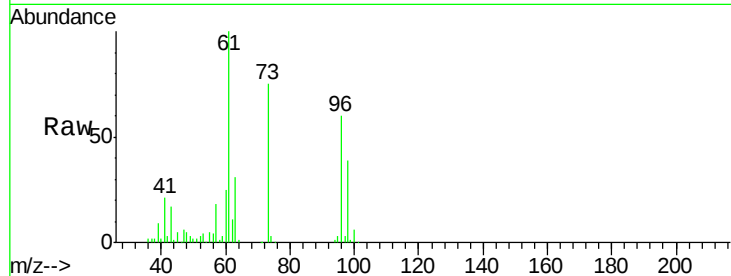
Methyl tert-butyl Ether
 Concen: 49.447 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.4	27.6

Manual Integrations
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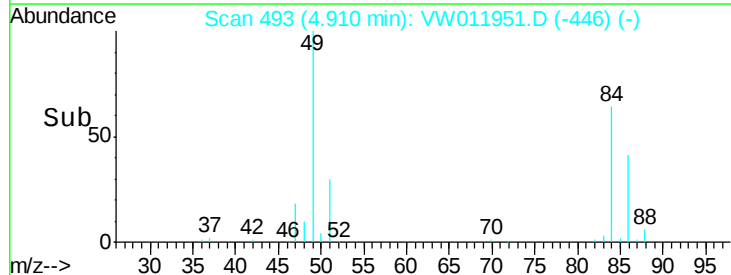
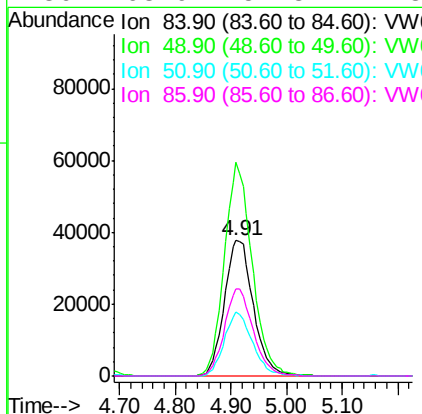
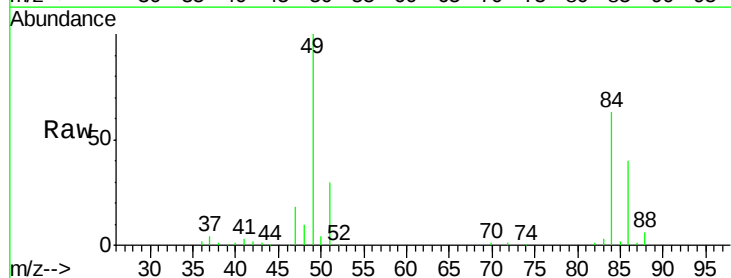
MMDadoda
 8/19/2019 10:55:10 AM

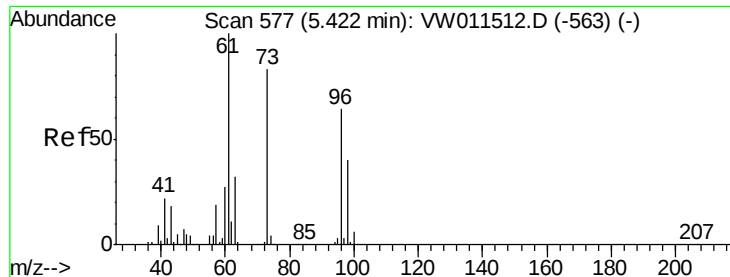


#20

Methylene Chloride
 Concen: 45.356 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.8	117.8	176.6
51	47.2	37.0	55.4
86	63.9	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 51.562 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 137975

Ion Ratio Lower Upper

96 100

61 161.4 125.7 188.5

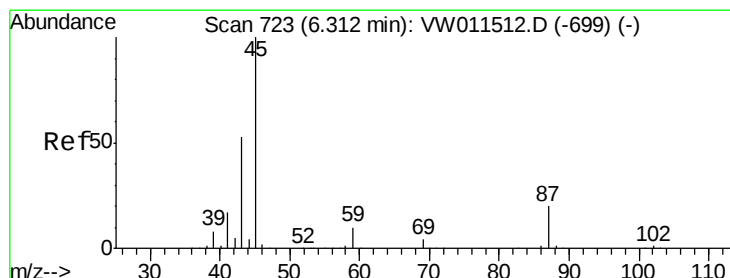
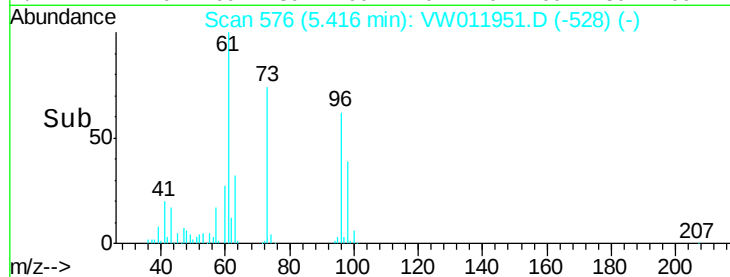
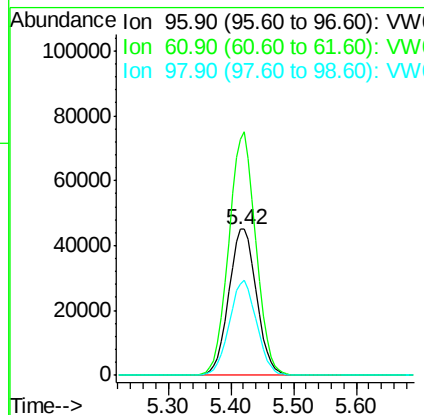
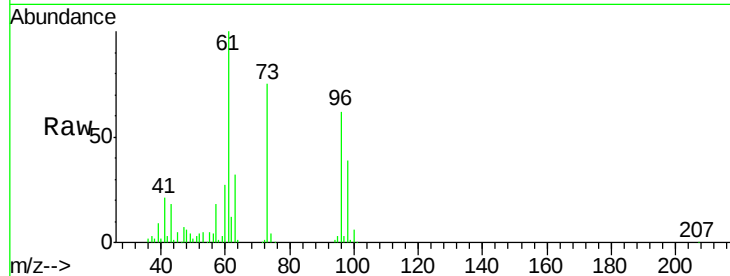
98 62.7 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.160 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion: 45 Resp: 499239

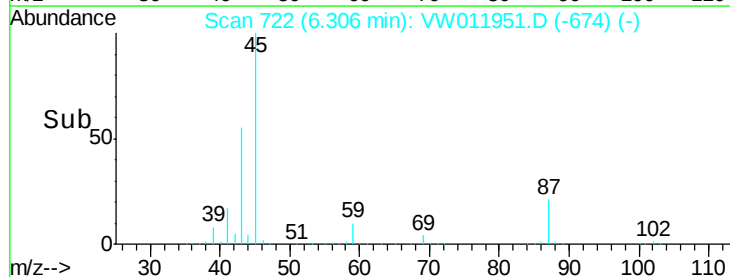
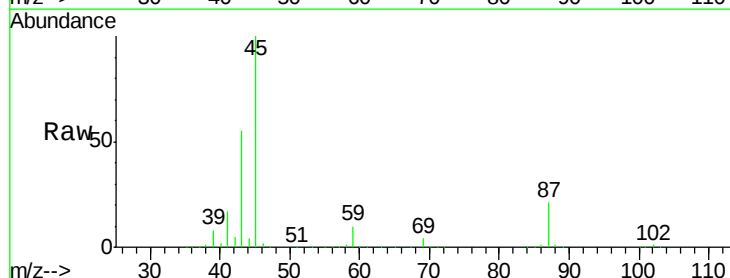
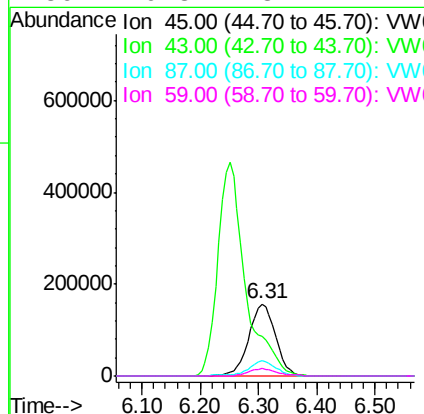
Ion Ratio Lower Upper

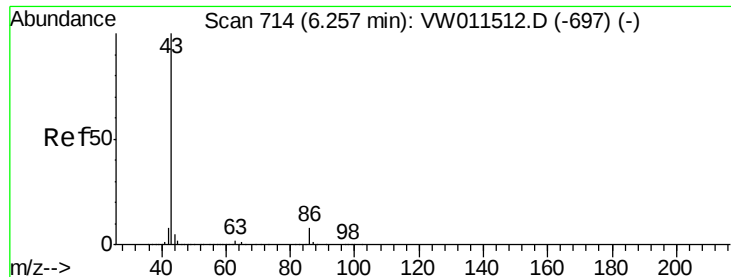
45 100

43 54.4 42.6 63.8

87 21.2 16.4 24.6

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 243.948 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1525630

Ion Ratio Lower Upper

43 100

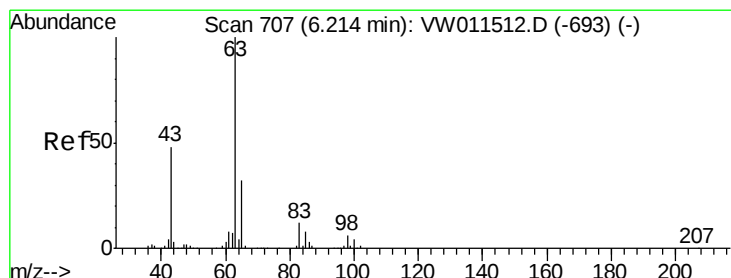
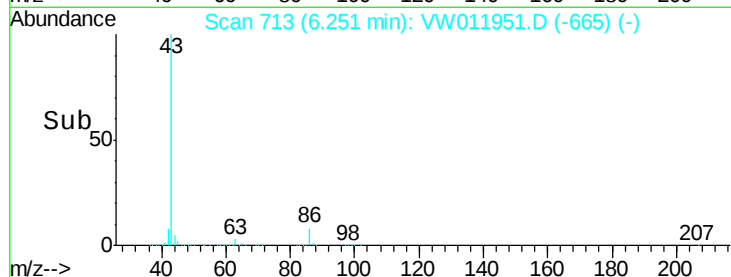
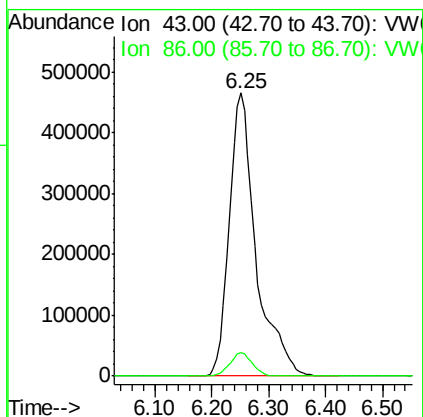
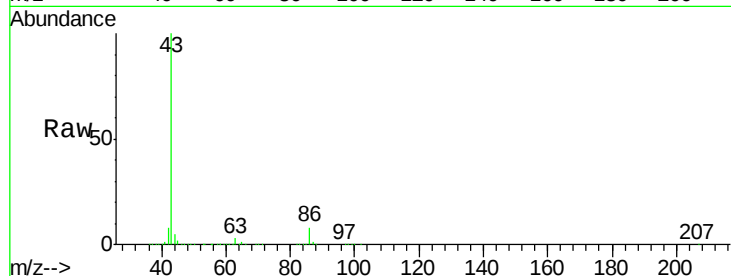
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.452 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

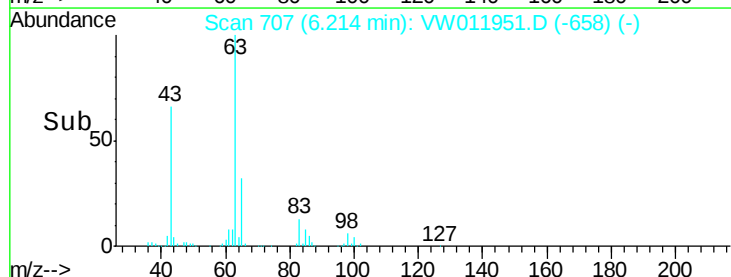
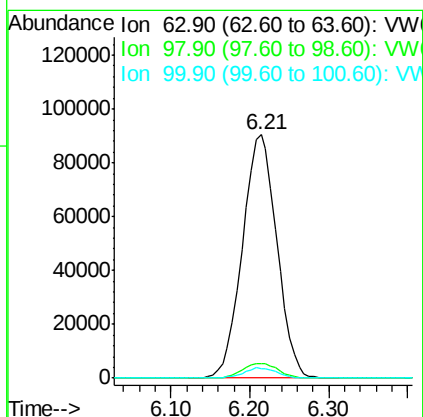
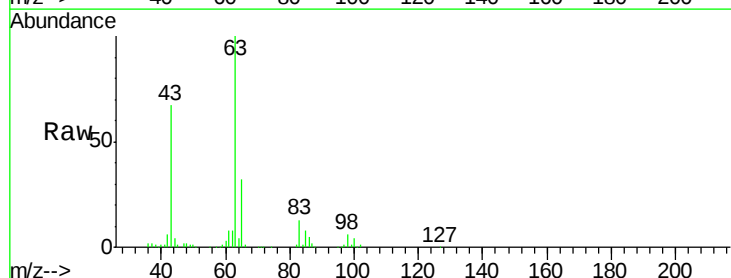
Tgt Ion: 63 Resp: 274260

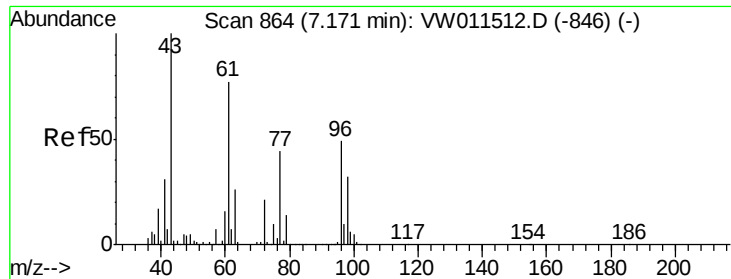
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 224.169 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 255346

Ion Ratio Lower Upper

43 100

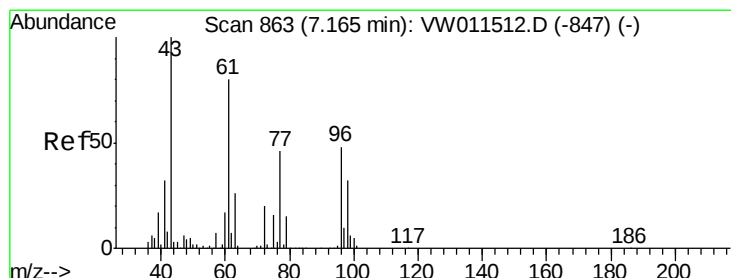
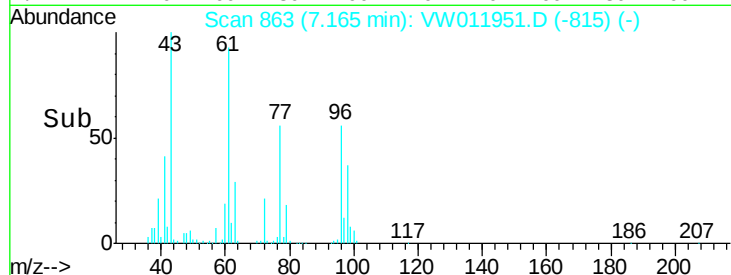
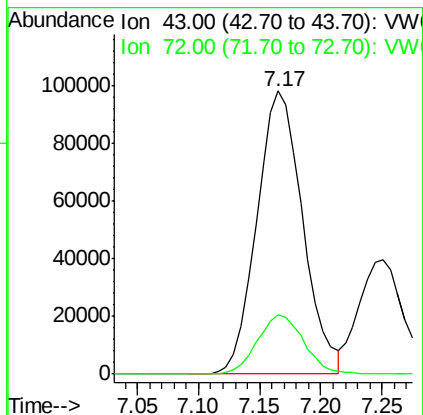
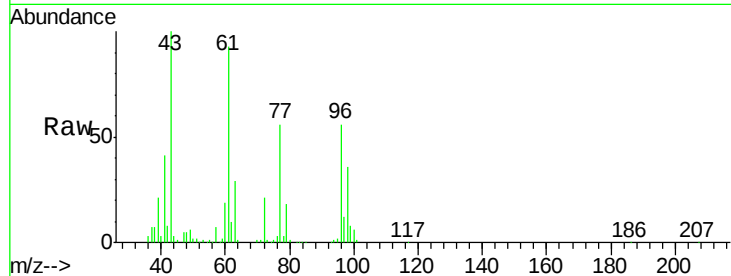
72 21.1 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.906 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011951.D

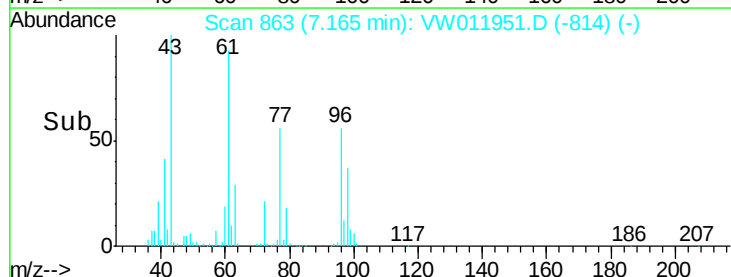
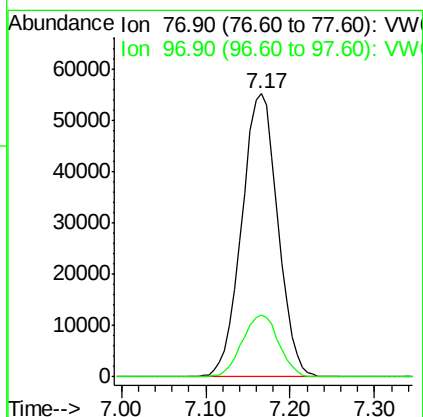
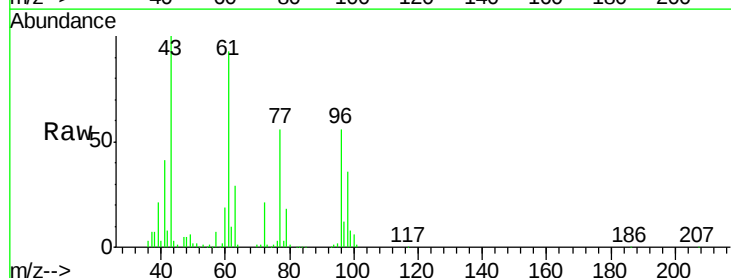
Acq: 16 Aug 2019 08:58

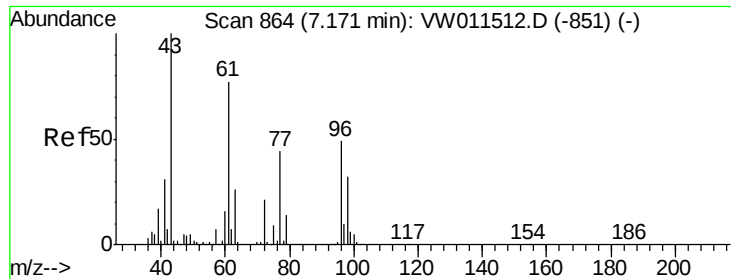
Tgt Ion: 77 Resp: 160322

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4





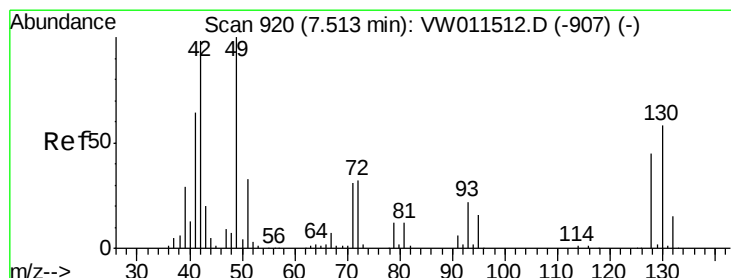
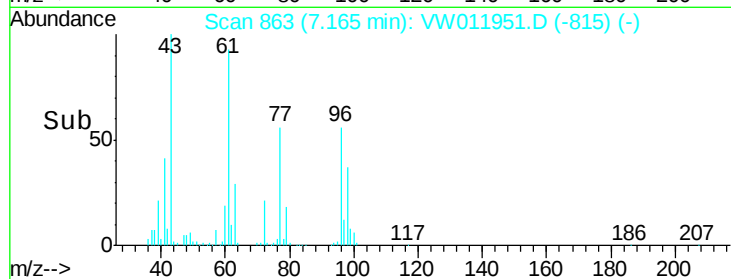
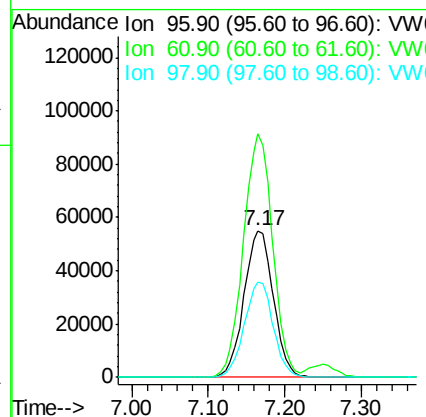
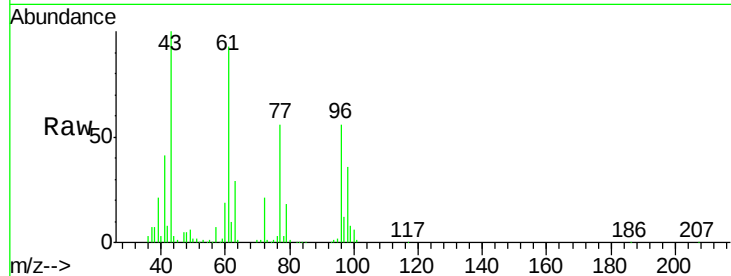
#27
 cis-1,2-Dichloroethene
 Concen: 49.638 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	328.4
98	64.0	0.0	128.8

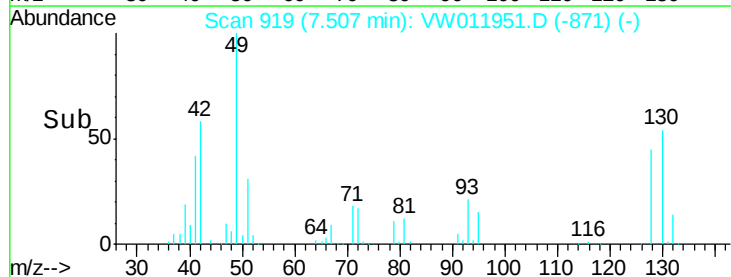
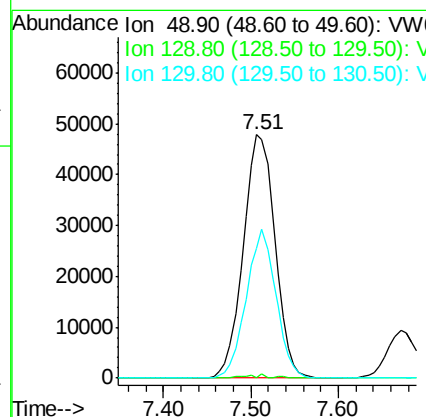
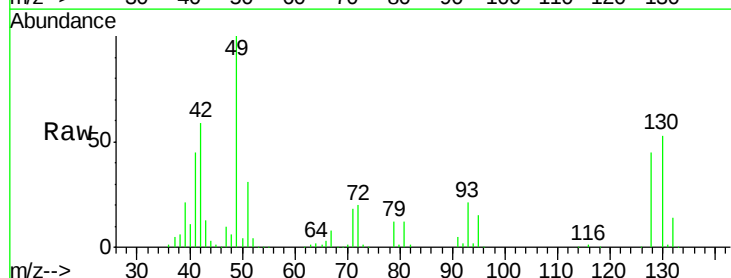
Manual Integrations
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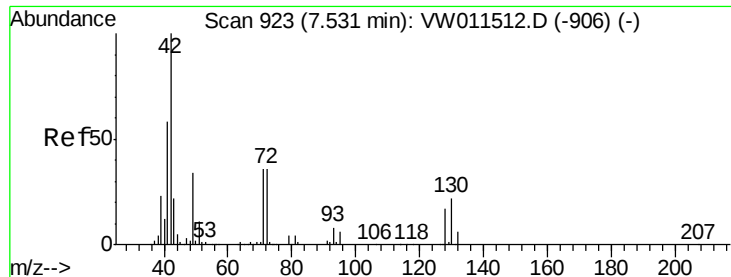
MMDadoda
 8/19/2019 10:55:10 AM



#28
 Bromochloromethane
 Concen: 51.113 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.0
130	57.1	46.3	69.5





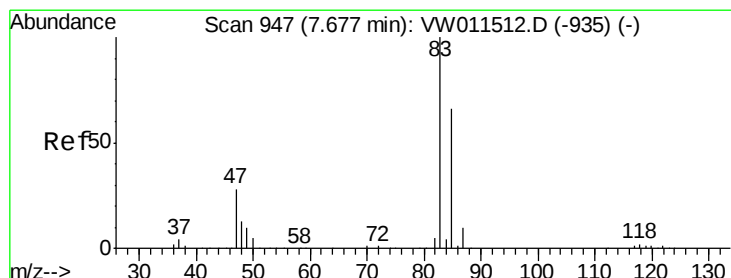
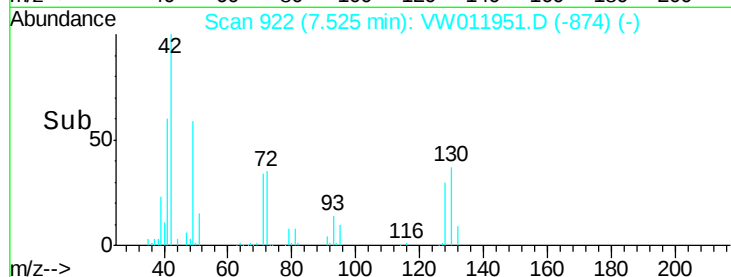
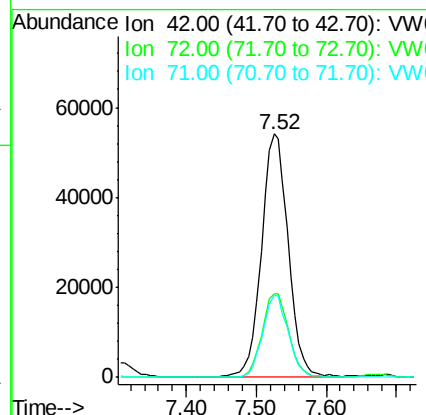
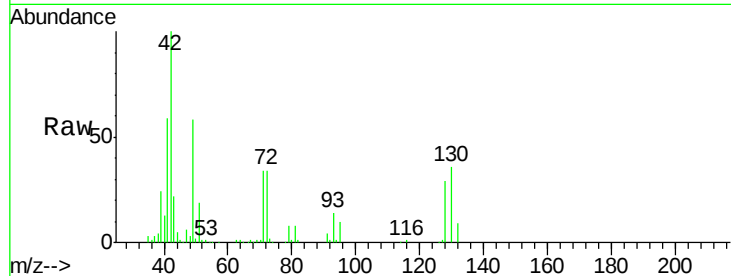
#29
Tetrahydrofuran
Concen: 220.853 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	27.1	40.7
71	32.3	26.2	39.4

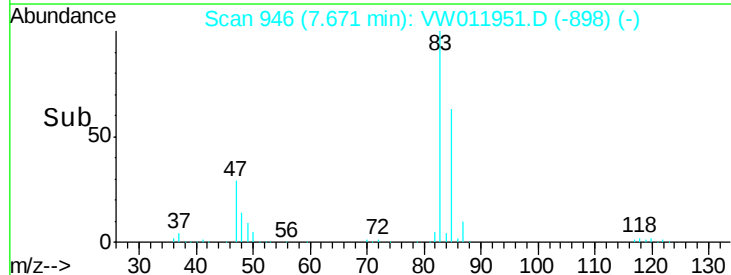
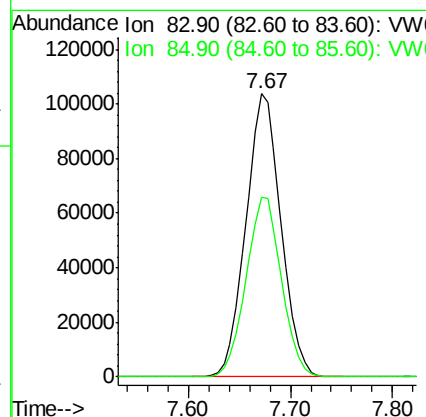
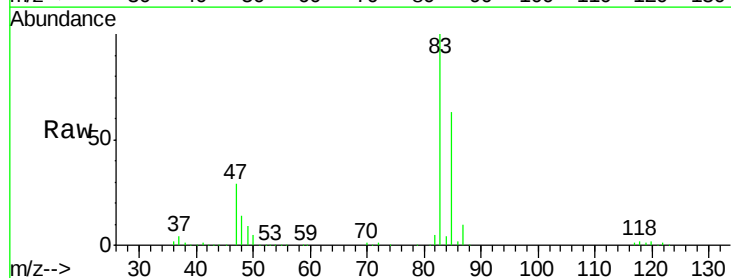
Manual Integrations
APPROVED

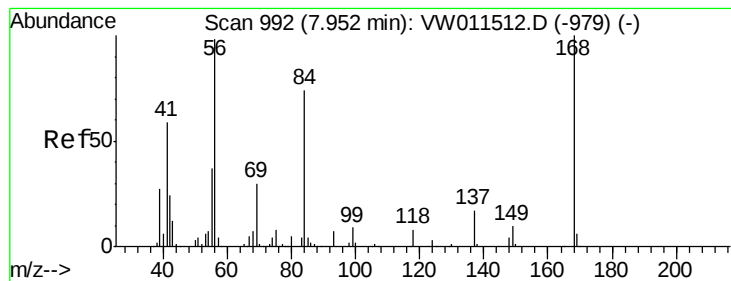
MMDadoda
8/19/2019 10:55:10 AM



#30
Chloroform
Concen: 50.398 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7





#31

Cvclohexane

Concen: 49.404 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

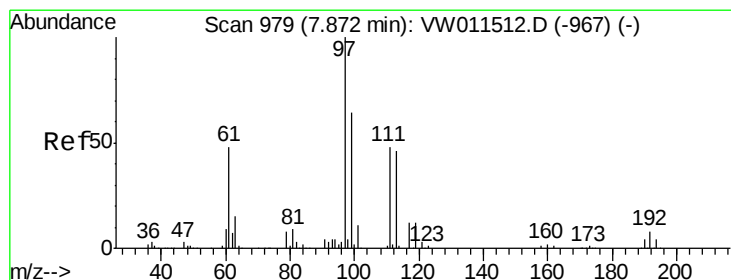
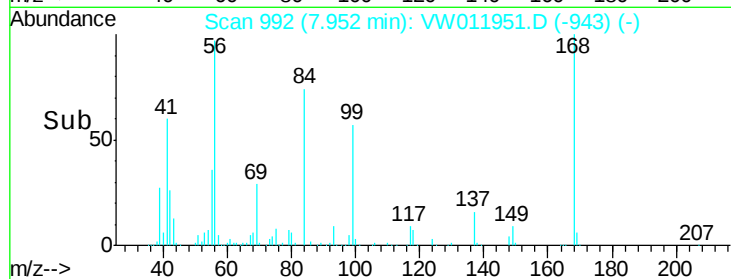
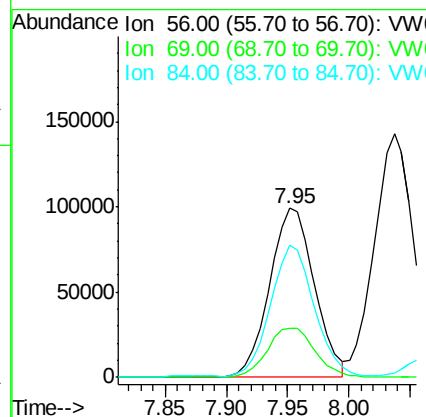
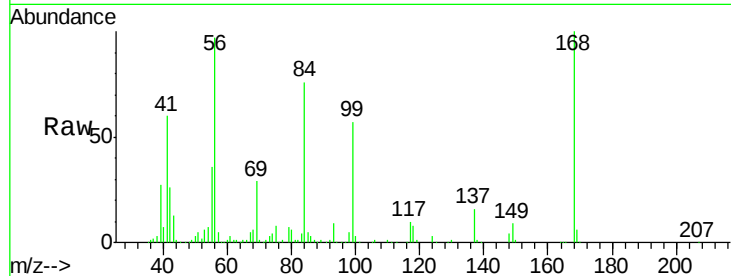
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	252785
Ion Ratio		Lower	Upper
56	100		
69	29.4	24.3	36.5
84	76.8	60.4	90.6

Manual Integrations
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MMDadoda
8/19/2019 10:55:10 AM



#32

1,1,1-Trichloroethane

Concen: 52.975 ug/l

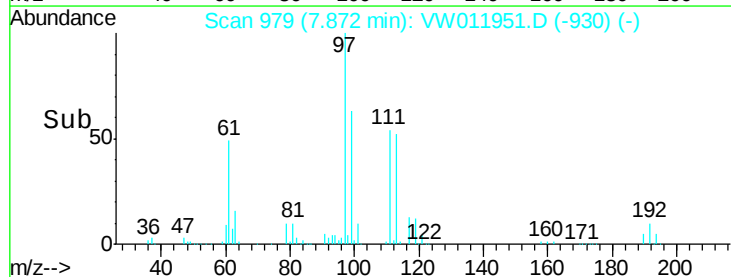
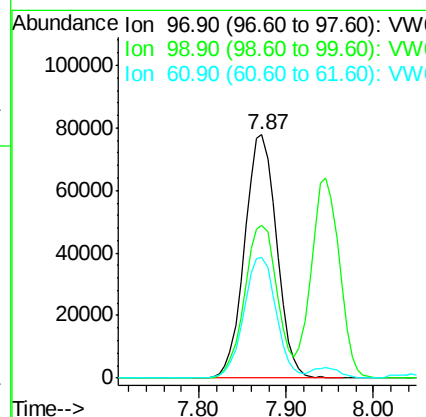
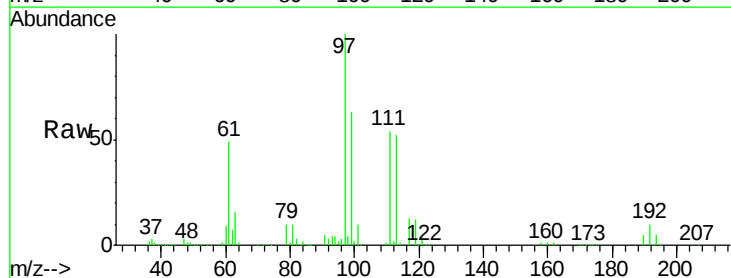
RT: 7.87 min Scan# 979

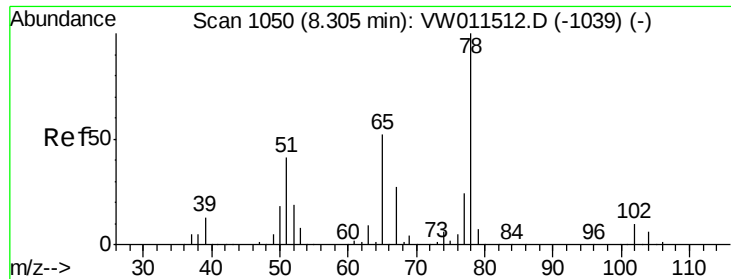
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	97	Resp:	198399
Ion Ratio		Lower	Upper
97	100		
99	64.1	51.0	76.6
61	49.9	39.8	59.6





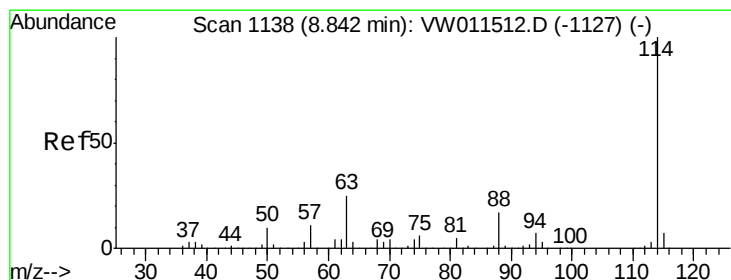
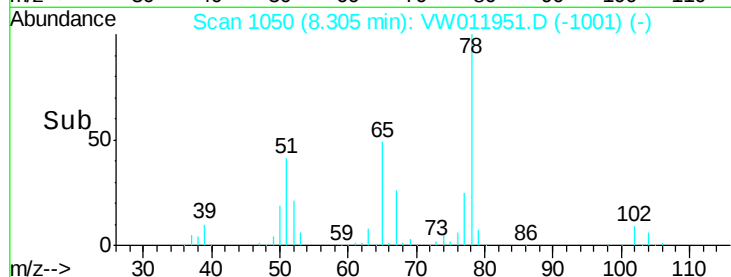
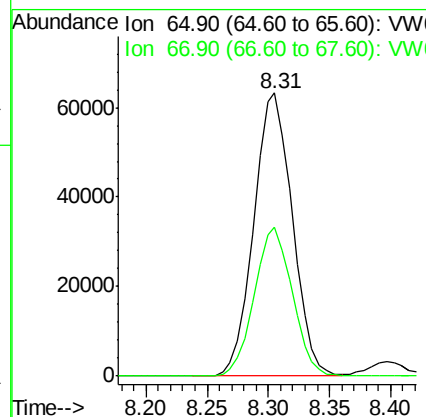
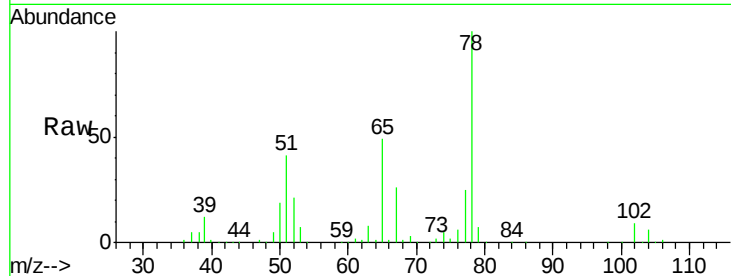
#33
 1,2-Dichloroethane-d4
 Concen: 50.739 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	105.2	

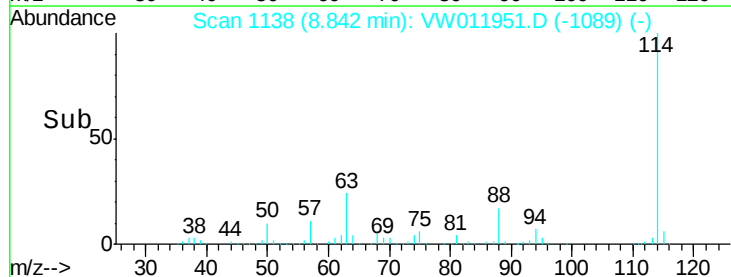
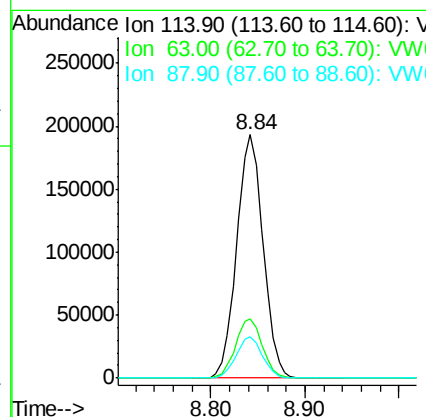
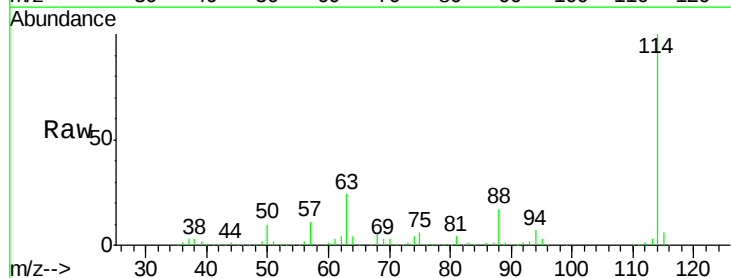
Manual Integrations
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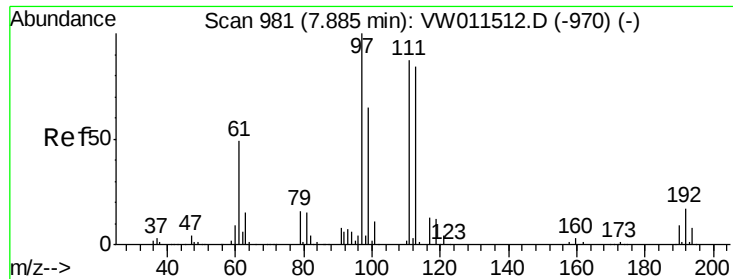
MMDadoda
 8/19/2019 10:55:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.3	0.0	49.2	
88	17.1	0.0	33.8	





#35

Dibromofluoromethane

Concen: 55.693 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

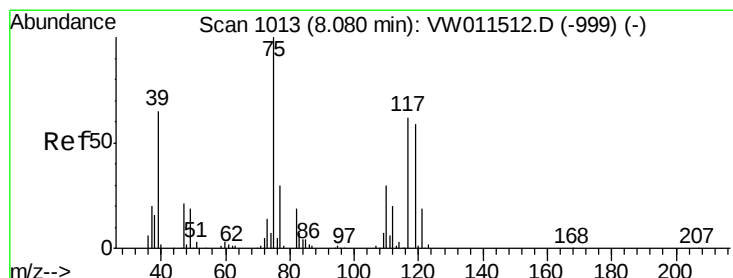
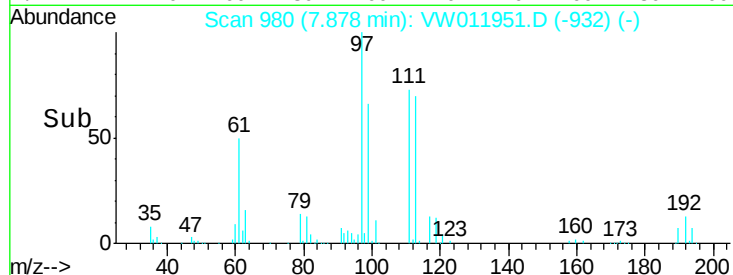
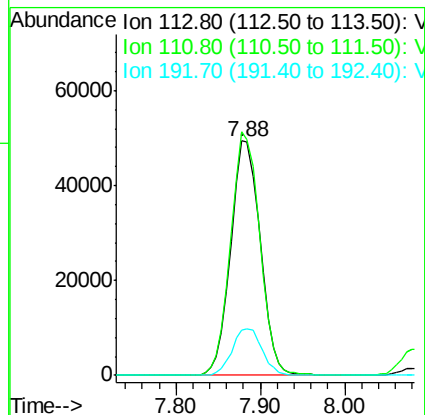
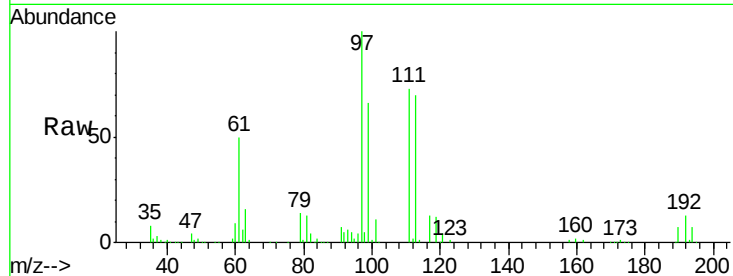
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	117192
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	20.0	16.1	24.1

Manual Integrations
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MMDadoda
8/19/2019 10:55:10 AM



#36

1,1-Dichloropropene

Concen: 53.787 ug/l

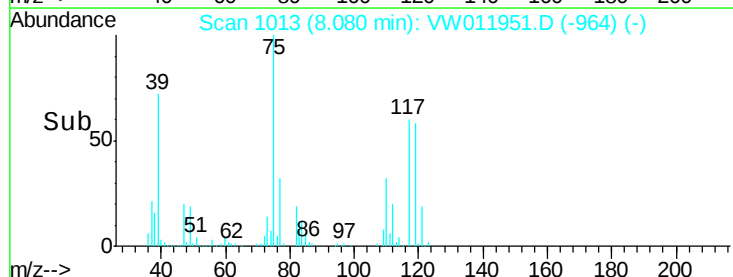
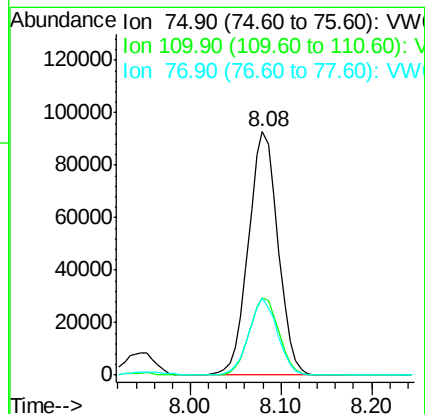
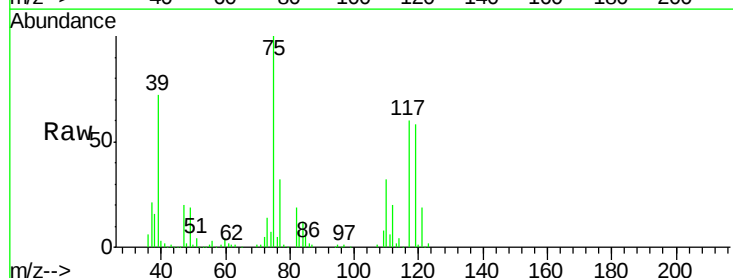
RT: 8.08 min Scan# 1013

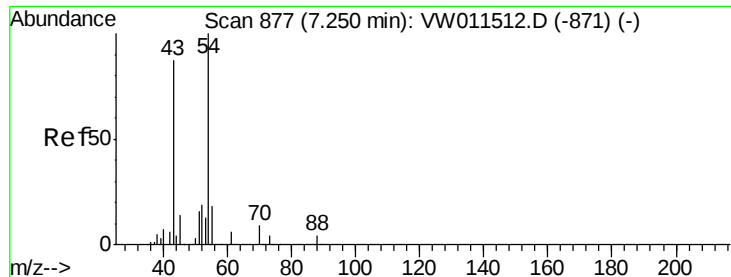
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	75	Resp:	209775
Ion	Ratio	Lower	Upper
75	100		
110	31.8	15.6	46.8
77	30.7	24.3	36.5





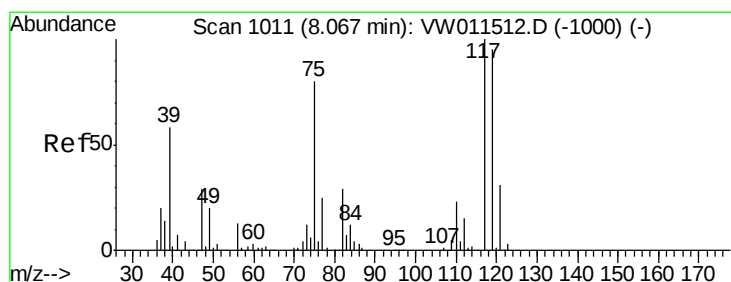
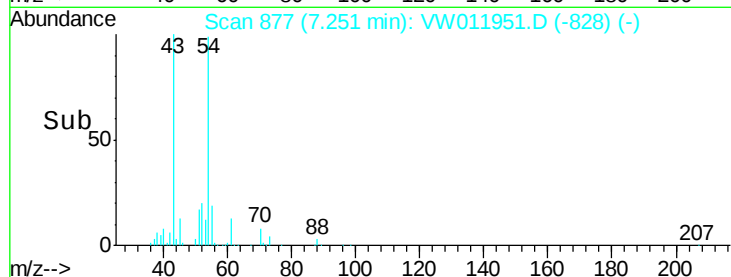
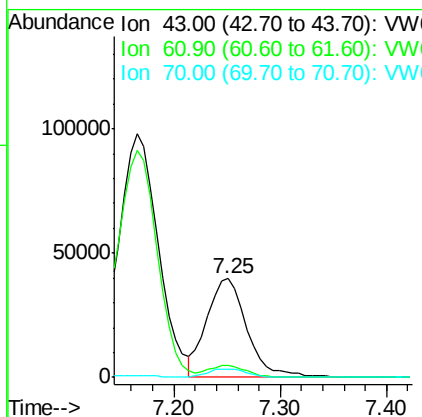
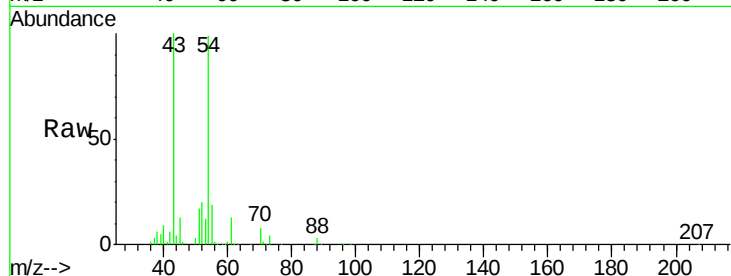
#37
Ethyl Acetate
Concen: 45.677 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.5	8.8	13.2	
70	8.6	7.1	10.7	

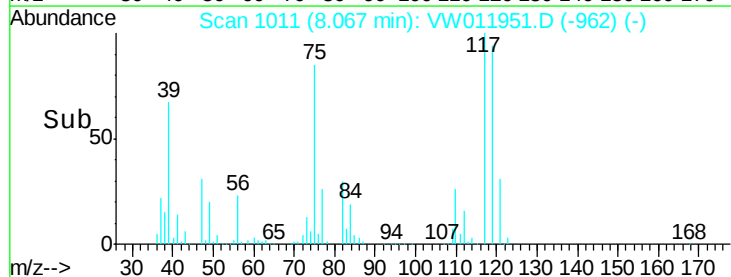
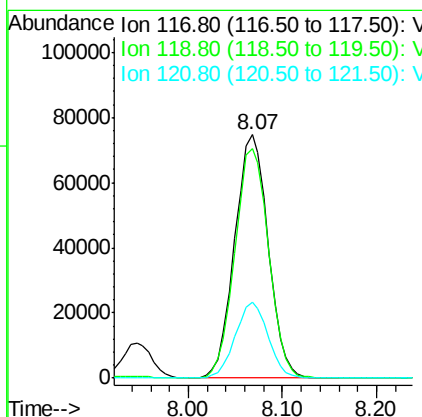
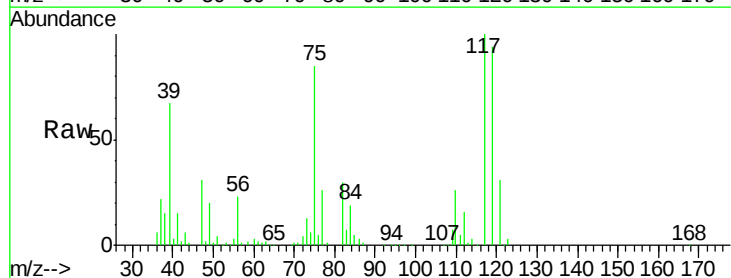
Manual Integrations
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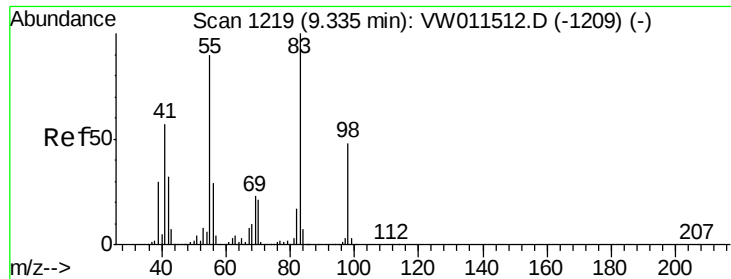
MMDadoda
8/19/2019 10:55:10 AM



#38
Carbon Tetrachloride
Concen: 55.291 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.5	75.8	113.6	
121	31.4	24.7	37.1	





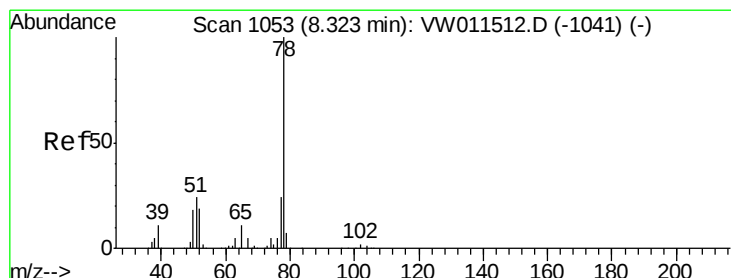
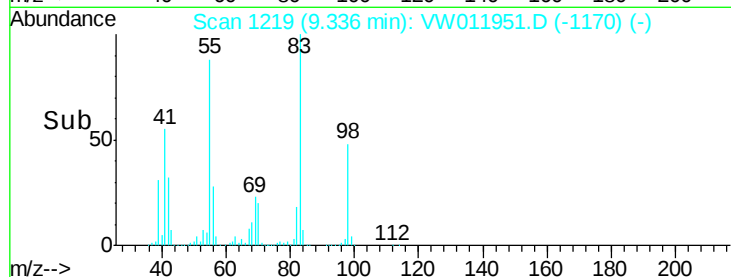
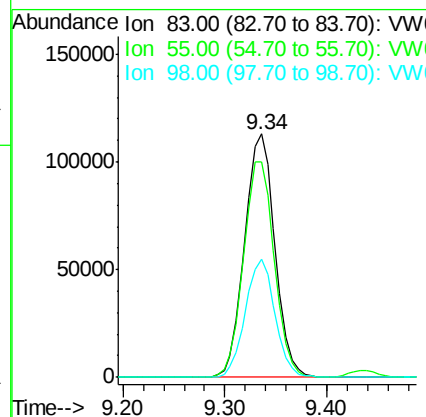
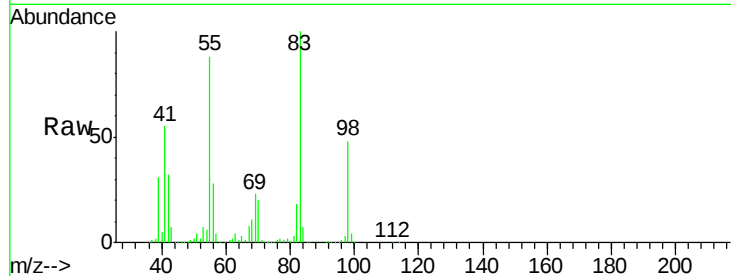
#39
Methvlcvclohexane
Concen: 54.302 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	72.1	108.1
98	48.4	38.6	57.8

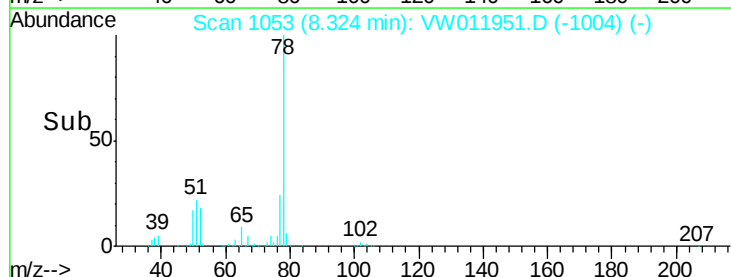
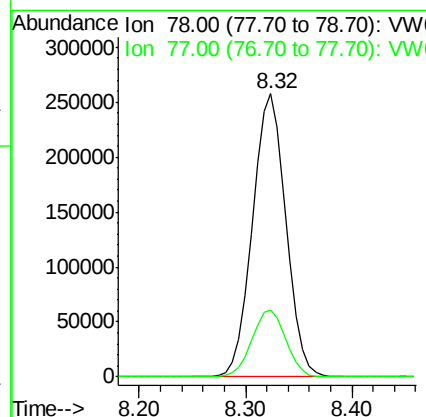
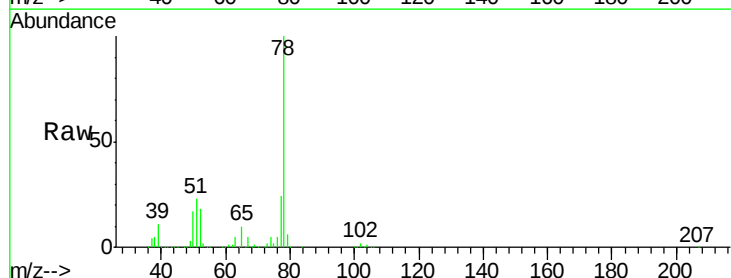
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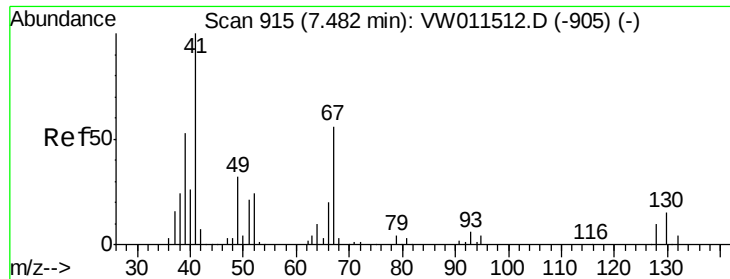
MMDadoda
8/19/2019 10:55:10 AM



#40
Benzene
Concen: 51.910 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





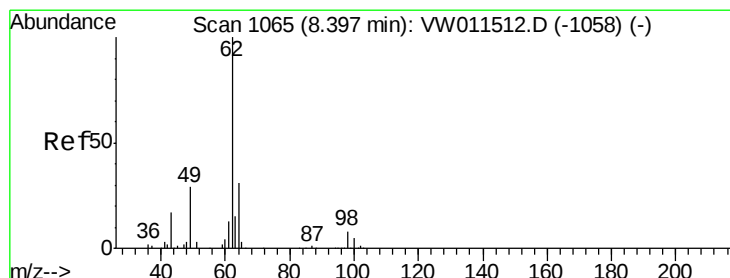
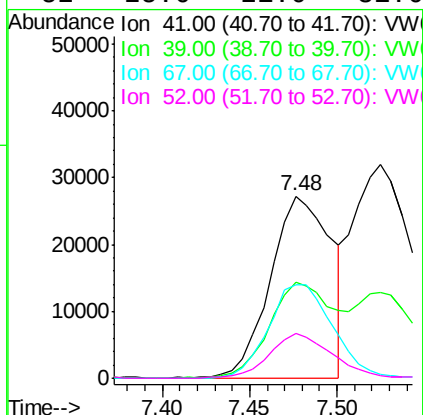
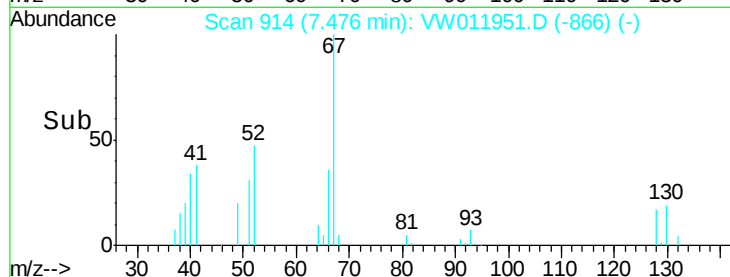
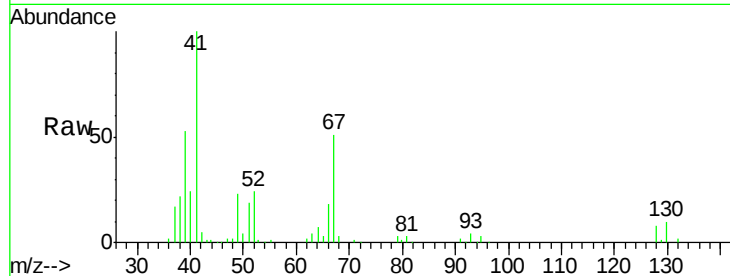
#41
Methacrylonitrile
Concen: 49.354 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	43.0	64.4
67	54.7	47.5	71.3
52	25.6	21.0	31.6

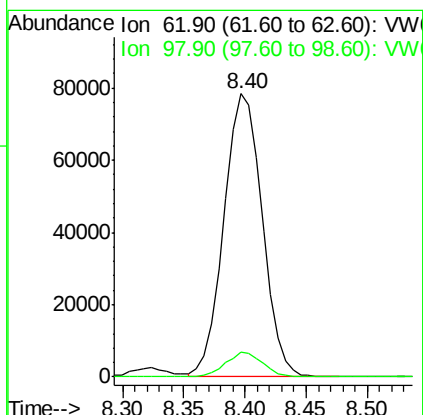
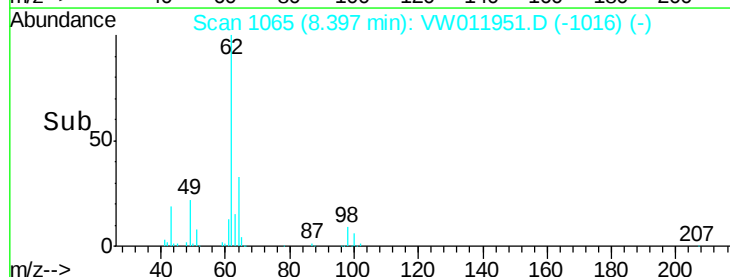
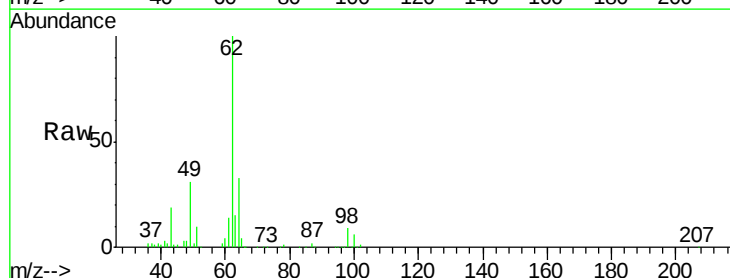
Manual Integrations
APPROVED

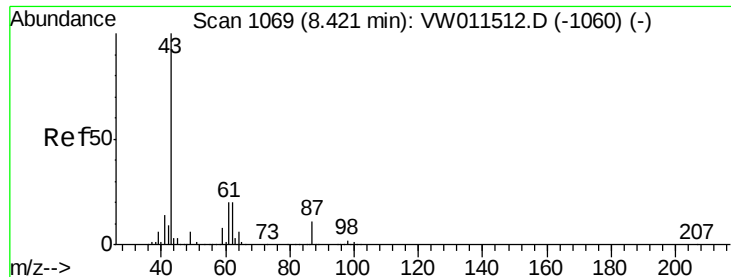
MMDadoda
8/19/2019 10:55:10 AM



#42
1,2-Dichloroethane
Concen: 49.844 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 47.394 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

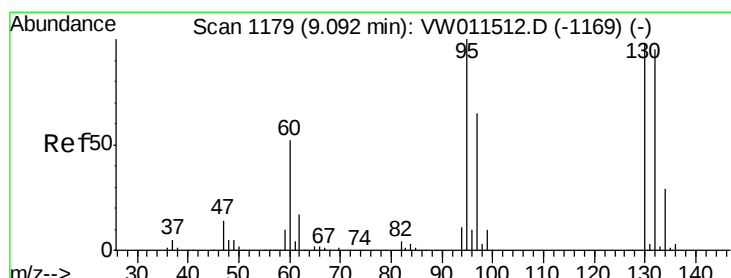
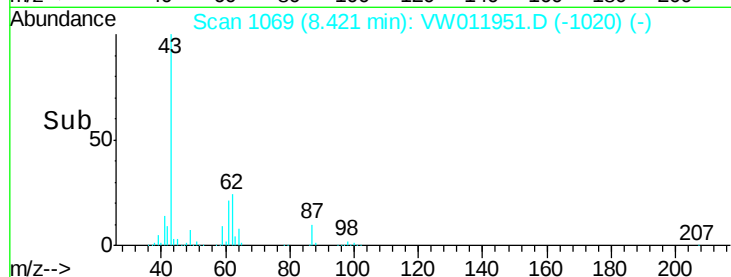
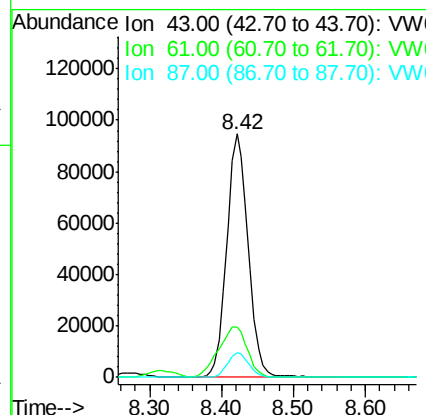
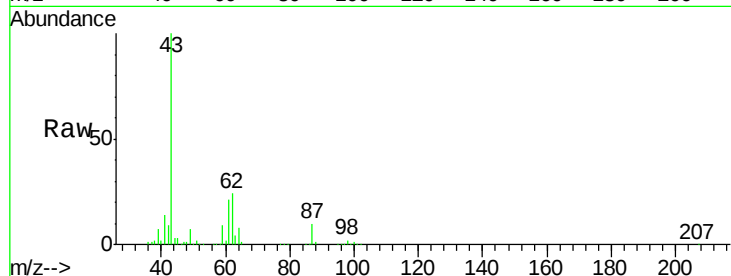
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	195578
Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.5	32.3
87	10.2	8.4	12.6

Manual Integrations
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MMDadoda
8/19/2019 10:55:10 AM



#44

Trichloroethene

Concen: 53.202 ug/l

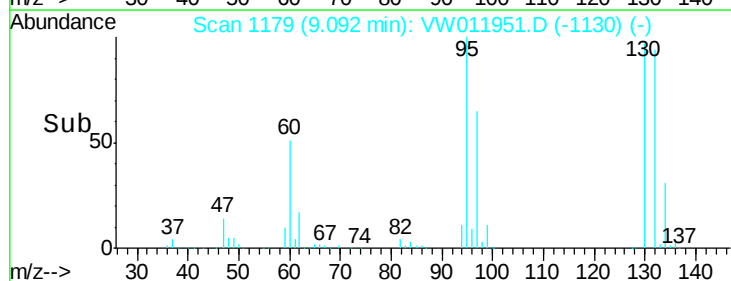
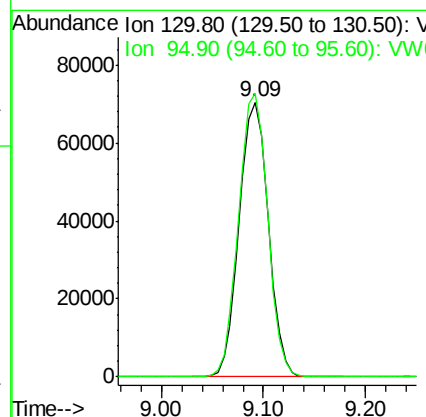
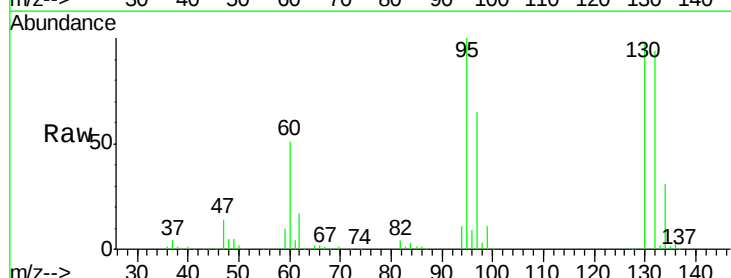
RT: 9.09 min Scan# 1179

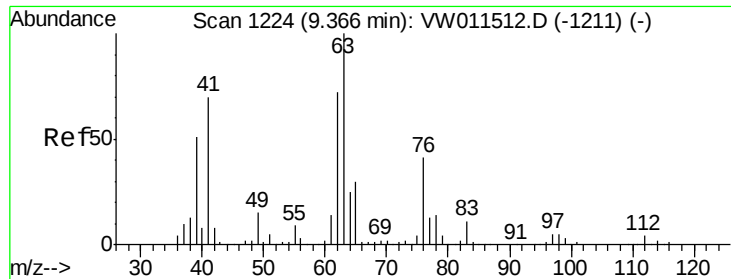
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	130	Resp:	139691
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	204.8





#45

1,2-Dichloropropane

Concen: 51.543 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150662

Ion Ratio Lower Upper

63 100

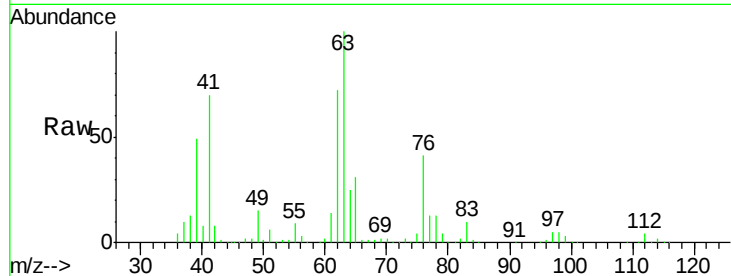
65 31.3 24.2 36.4

Manual Integrations

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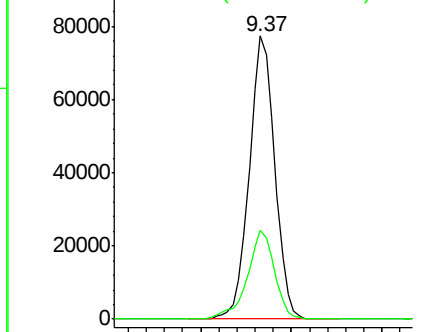
MMDadoda

8/19/2019 10:55:10 AM

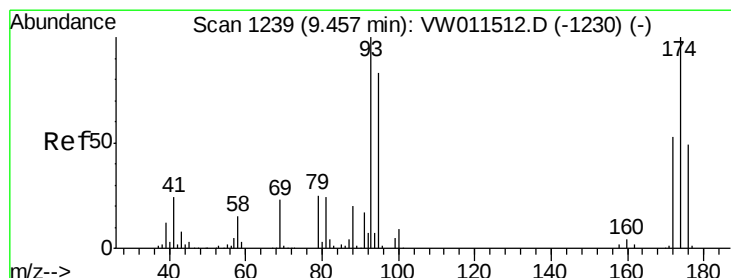
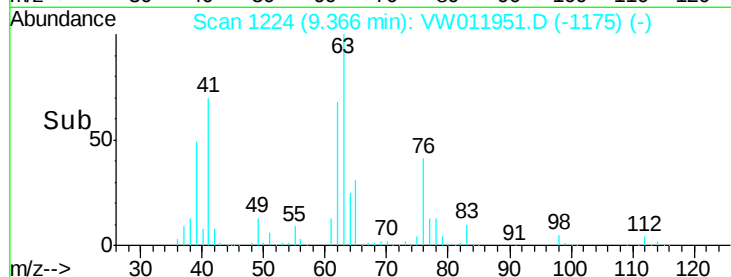


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



Time-->



#46

Dibromomethane

Concen: 49.674 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

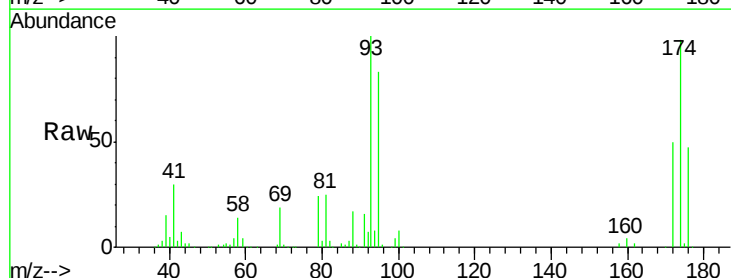
Tgt Ion: 93 Resp: 66271

Ion Ratio Lower Upper

93 100

95 81.8 66.2 99.2

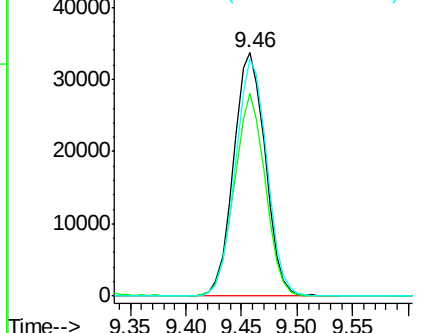
174 97.5 78.2 117.4



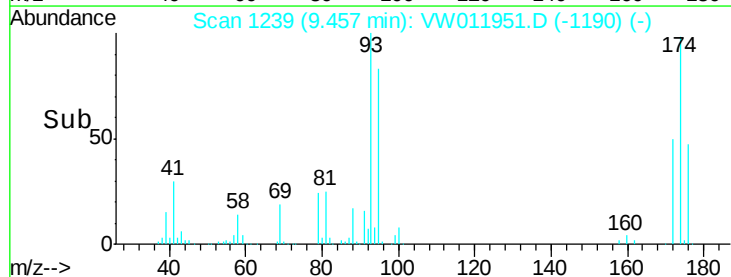
Abundance Ion 92.80 (92.50 to 93.50): VW

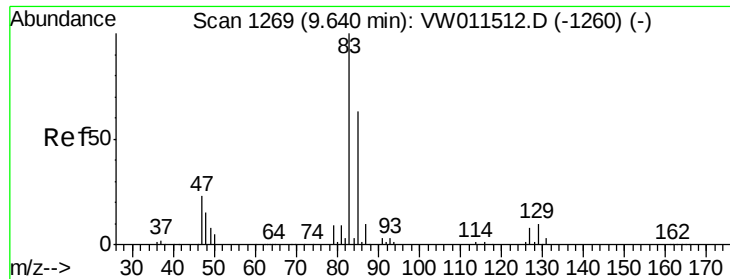
Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



Time-->





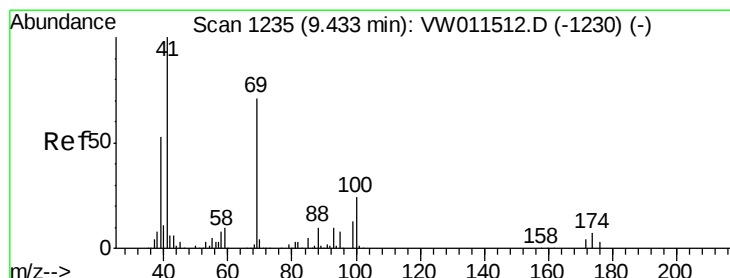
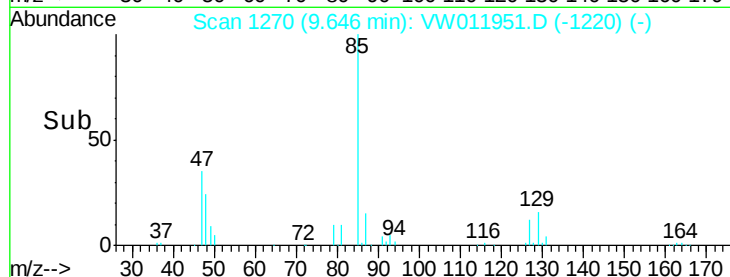
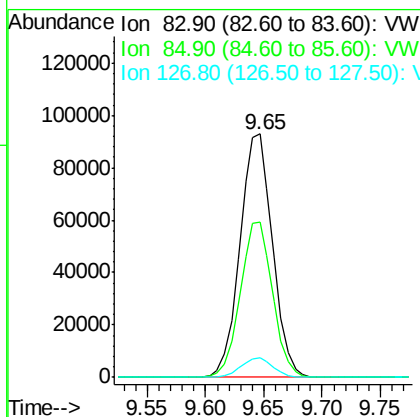
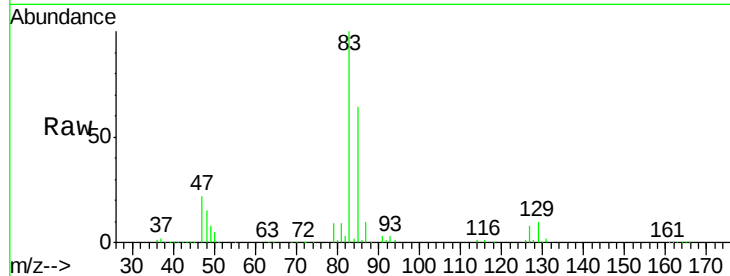
#47
Bromodichloromethane
Concen: 51.509 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	85	127	Ratio	Lower	Upper
180261	100	63.7	7.9		50.5	75.7
					6.4	9.6

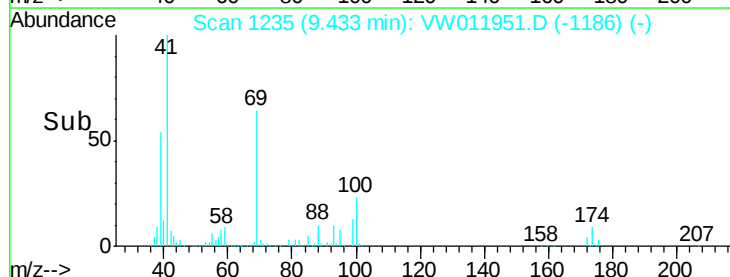
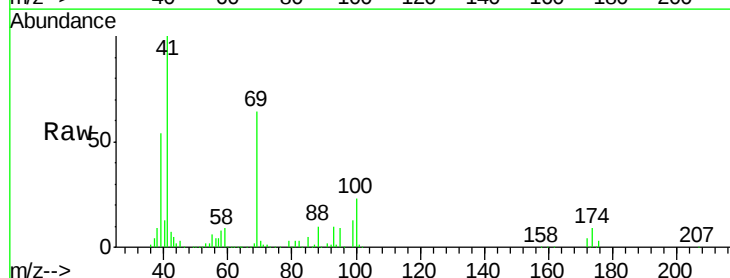
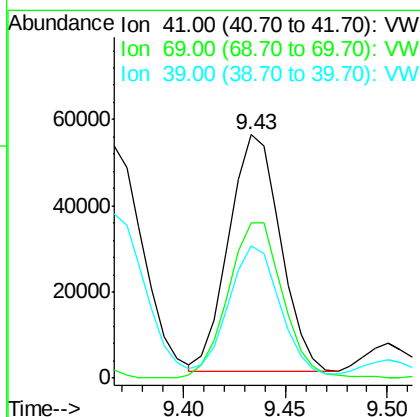
Manual Integrations
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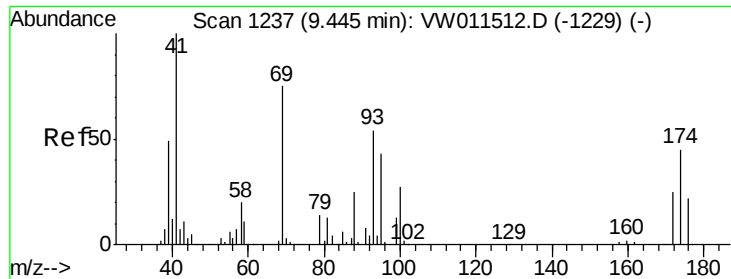
MMDadoda
8/19/2019 10:55:10 AM



#48
Methyl methacrylate
Concen: 48.704 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	41	69	39	Ratio	Lower	Upper
96545	100	69.0	53.2		57.1	85.7
					45.4	68.2





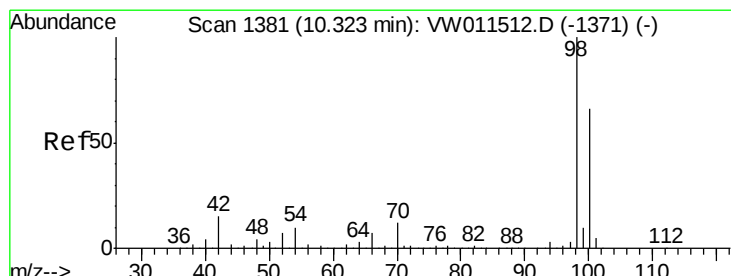
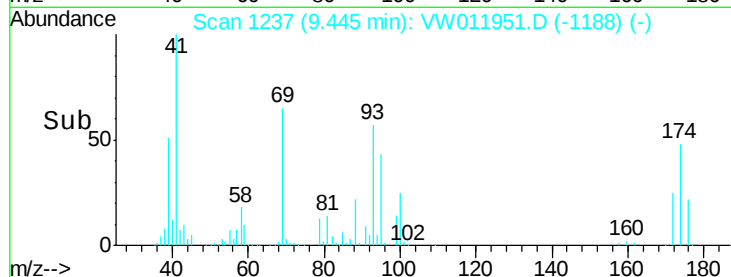
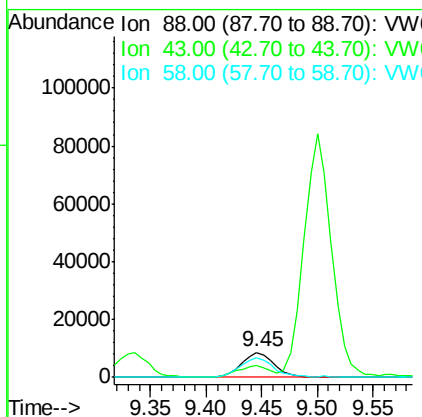
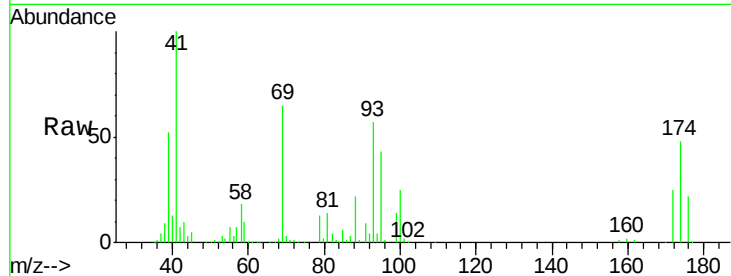
#49
1,4-Dioxane
Concen: 917.211 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	17718
Ion	Ratio	Lower	Upper
88	100		
43	43.8	34.0	51.0
58	83.9	69.7	104.5

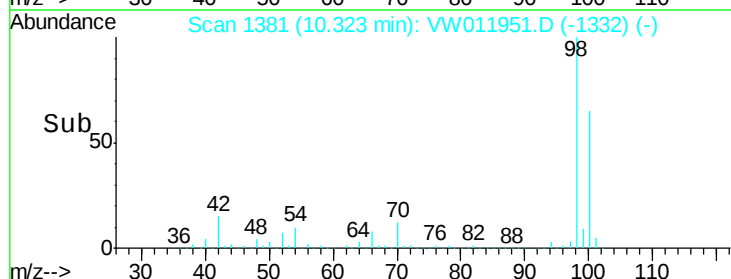
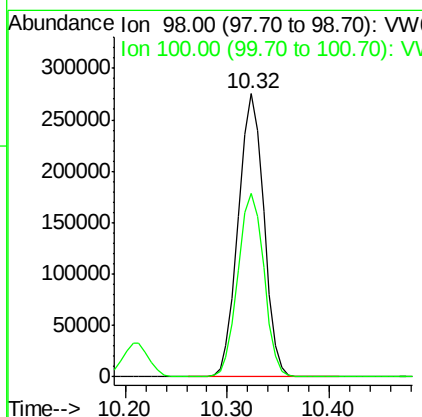
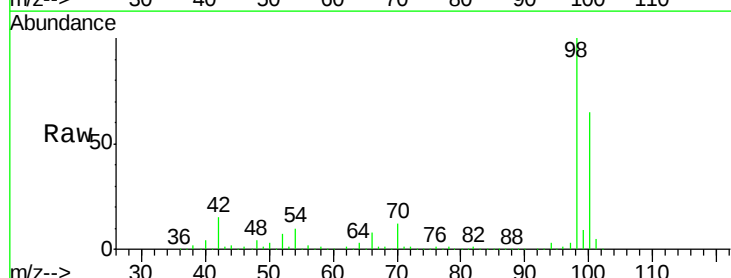
Manual Integrations
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MMDadoda
8/19/2019 10:55:10 AM



#50
Toluene-d8
Concen: 55.550 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	98	Resp	478586
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 230.743 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 495279

Ion Ratio Lower Upper

43 100

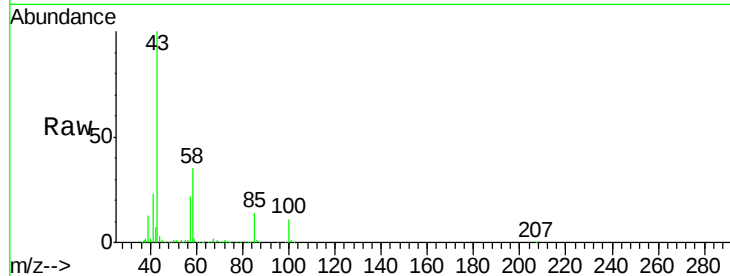
58 35.4 28.2 42.2

Manual Integrations

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MMDadoda

8/19/2019 10:55:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

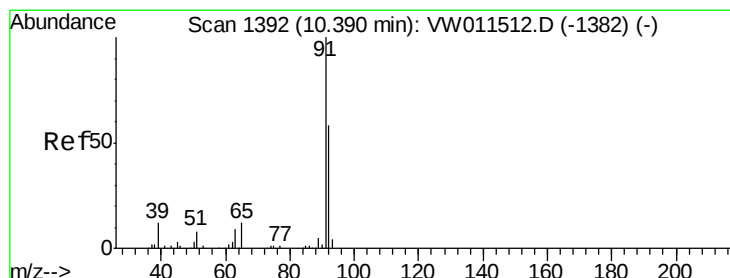
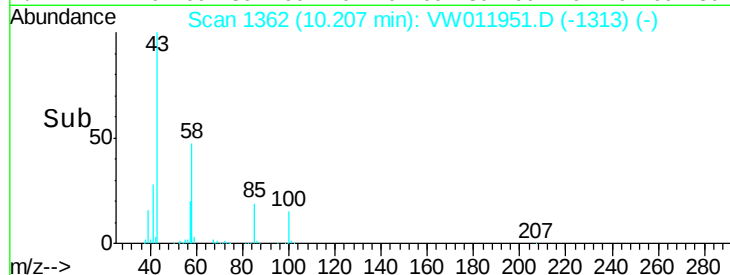
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.398 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011951.D

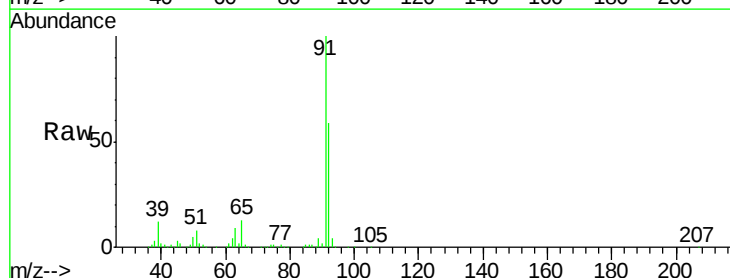
Acq: 16 Aug 2019 08:58

Tgt Ion: 92 Resp: 345681

Ion Ratio Lower Upper

92 100

91 170.9 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

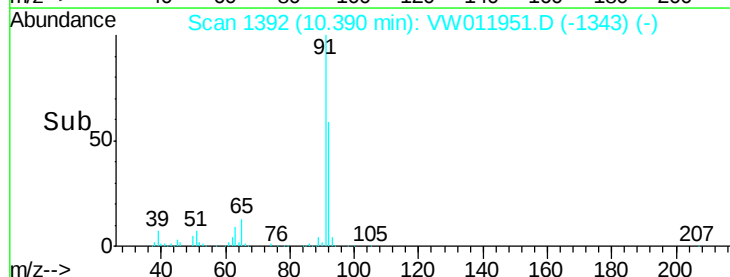
300000

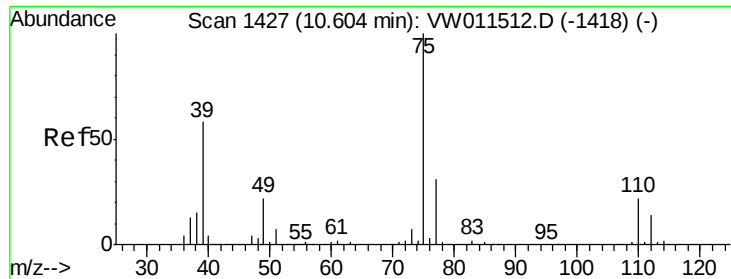
200000

100000

0

Time-->





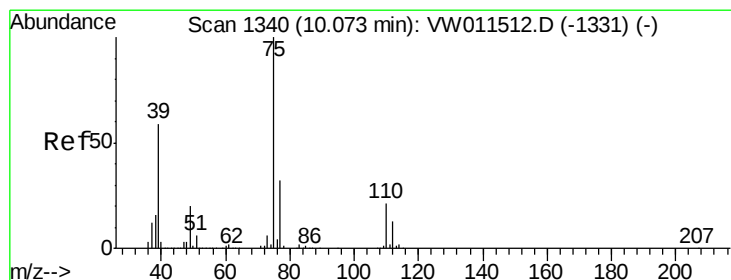
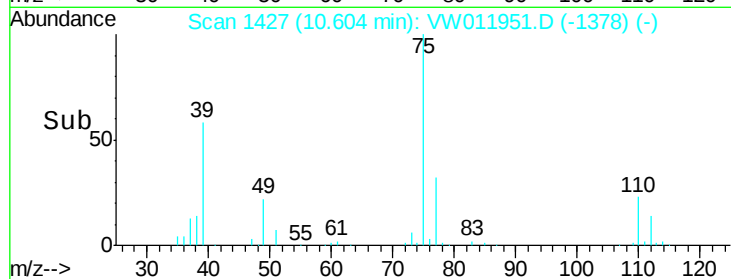
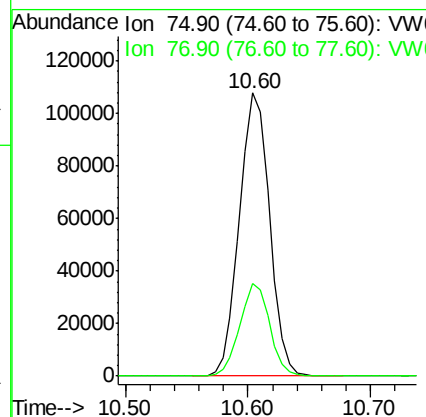
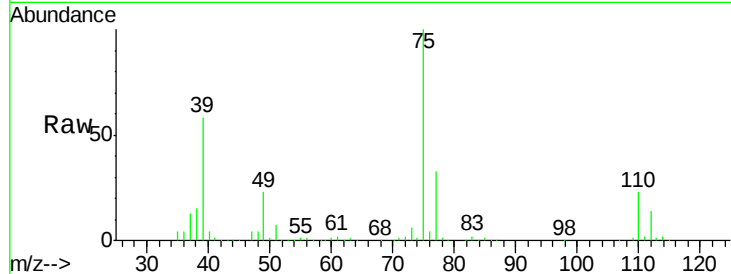
#53
t-1,3-Dichloropropene
Concen: 50.529 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

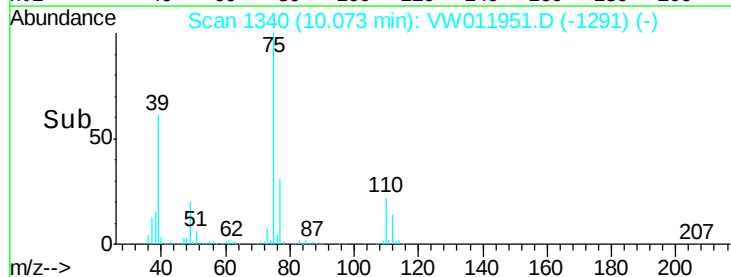
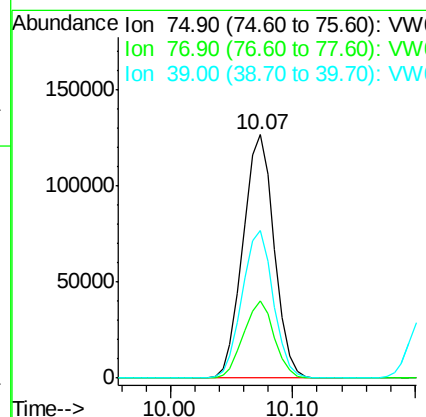
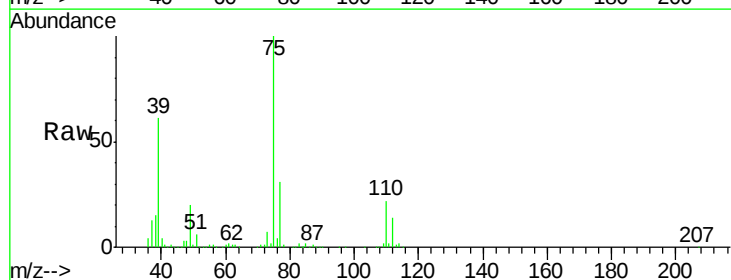
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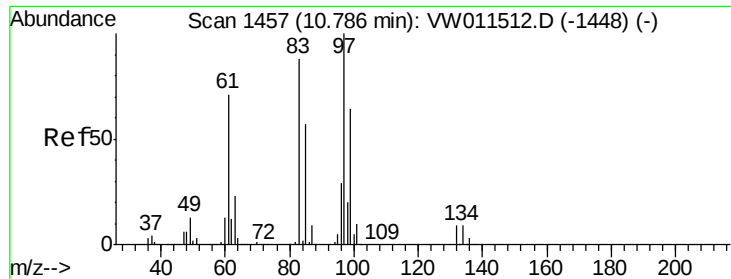
MMDadoda
8/19/2019 10:55:10 AM



#54
cis-1,3-Dichloropropene
Concen: 51.676 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	60.7	47.0	70.4





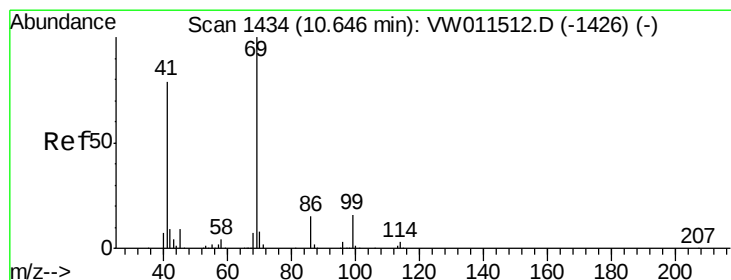
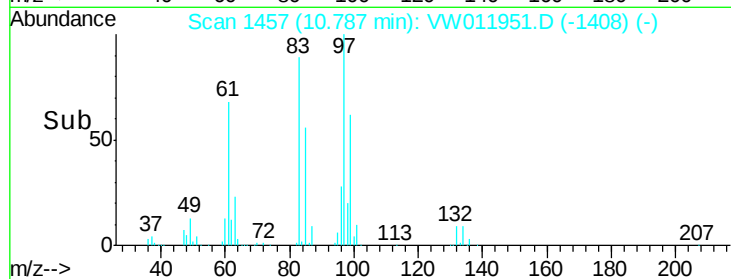
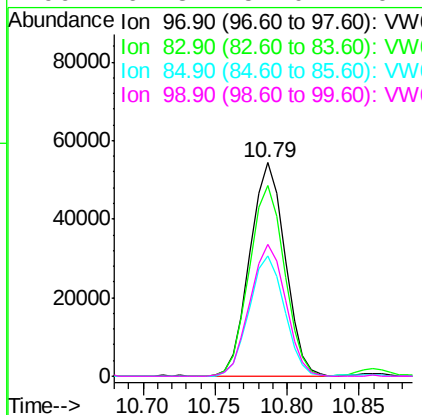
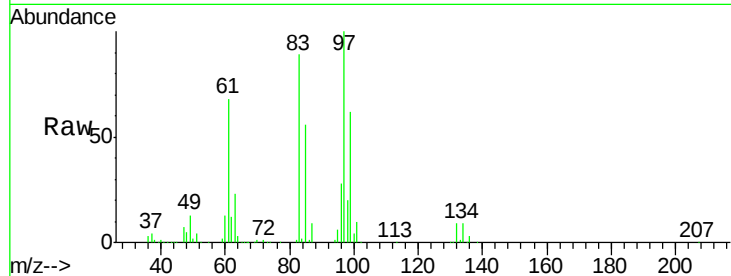
#55
 1,1,2-Trichloroethane
 Concen: 48.782 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	92341
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.5	105.7
85	56.1	45.8	68.6
99	61.8	51.0	76.4

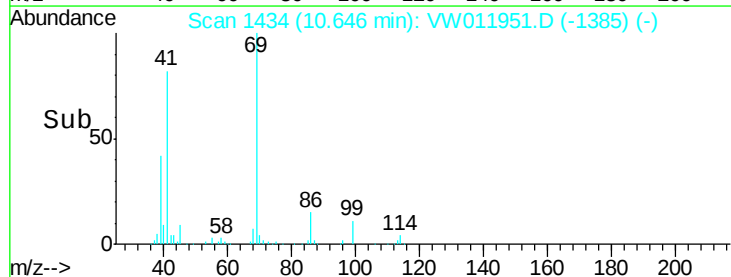
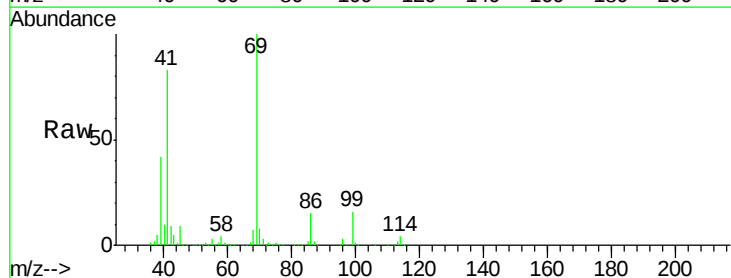
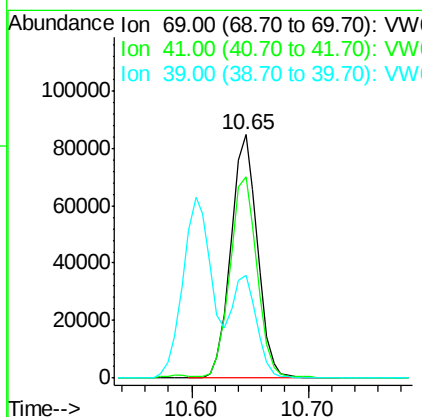
Manual Integrations
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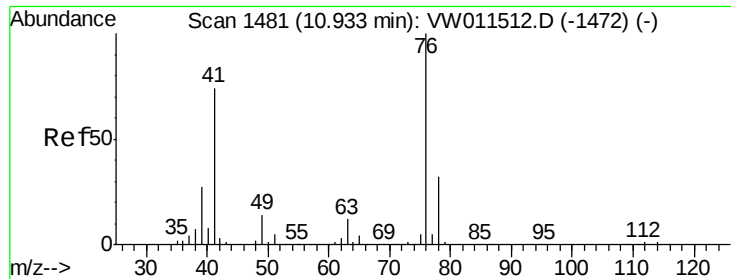
MMDadoda
 8/19/2019 10:55:10 AM



#56
 Ethyl methacrylate
 Concen: 48.646 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion:	69	Resp:	134747
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.6	99.8
39	39.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 48.917 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 175182

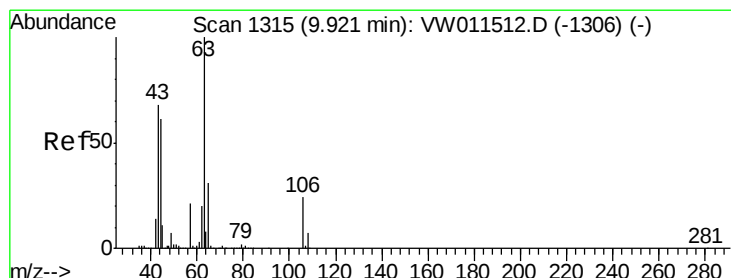
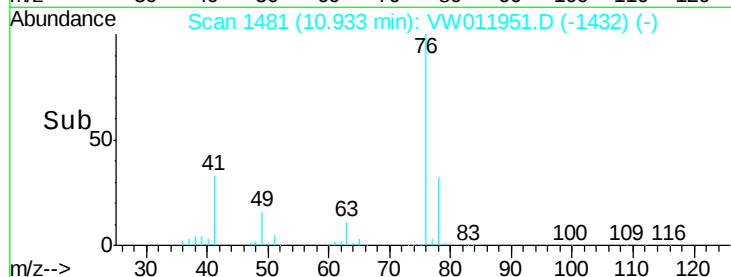
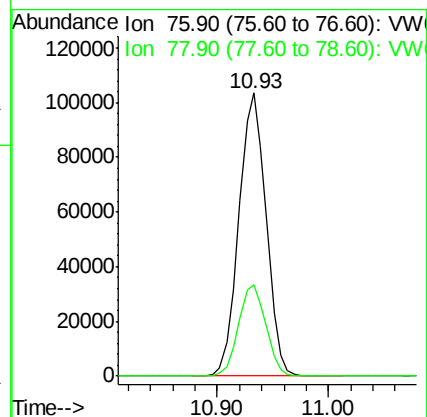
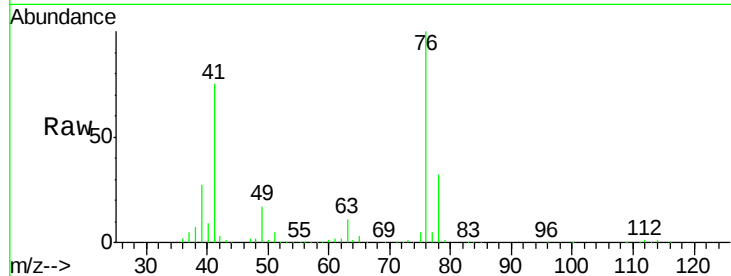
Ion Ratio Lower Upper

76 100

78 32.5 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:55:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 285.431 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011951.D

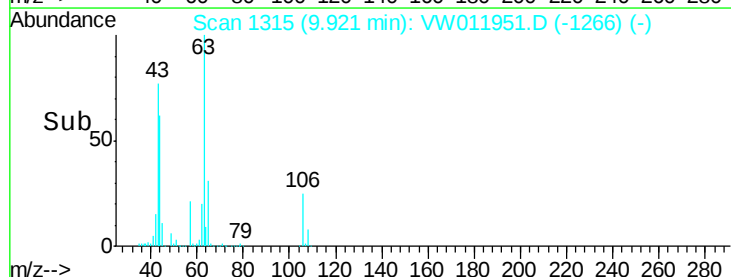
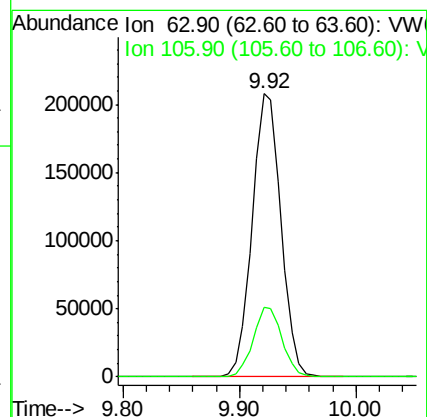
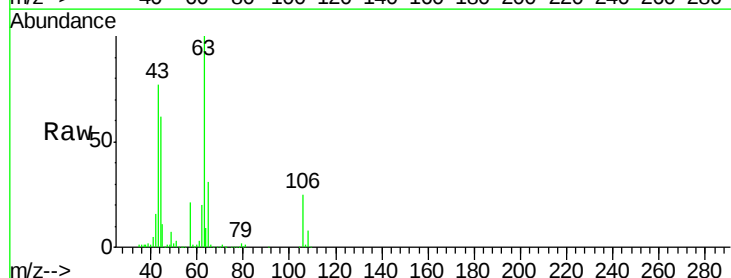
Acq: 16 Aug 2019 08:58

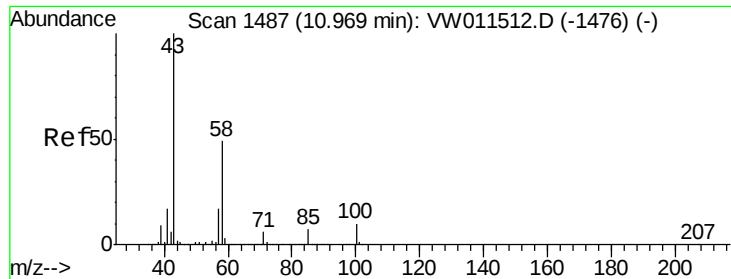
Tgt Ion: 63 Resp: 358978

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5





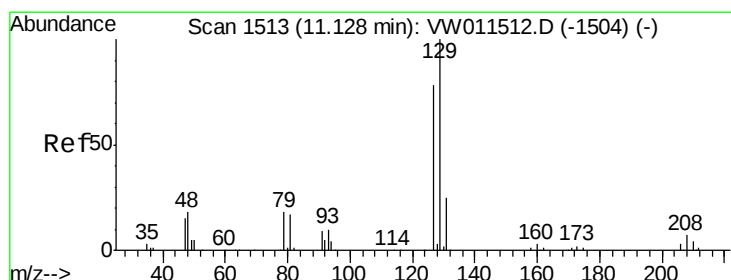
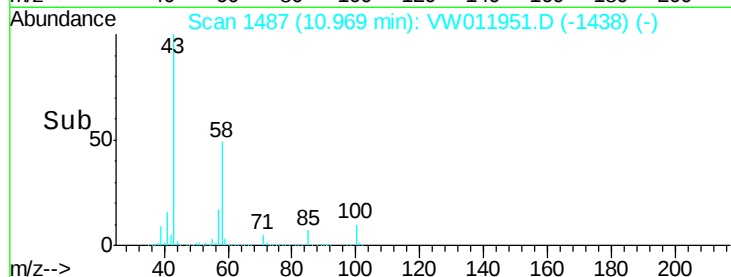
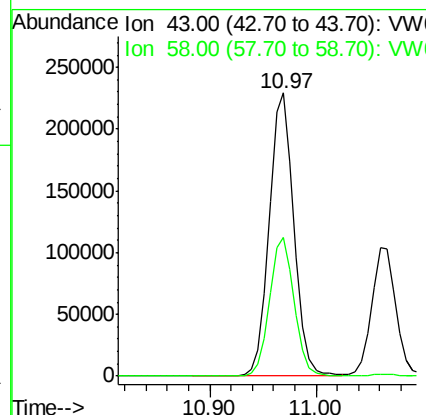
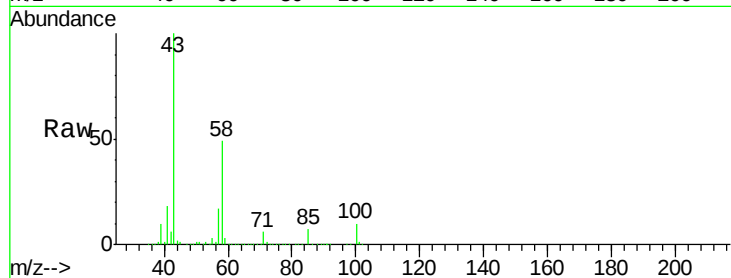
#59
2-Hexanone
Concen: 244.903 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.3	72.9

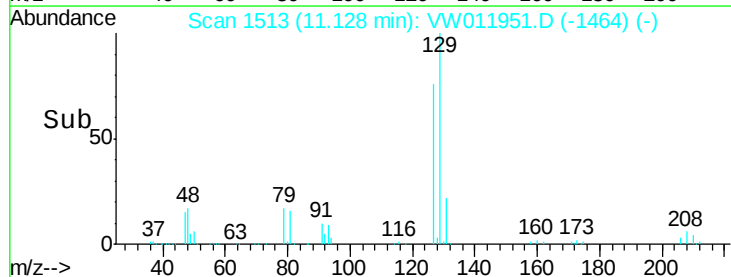
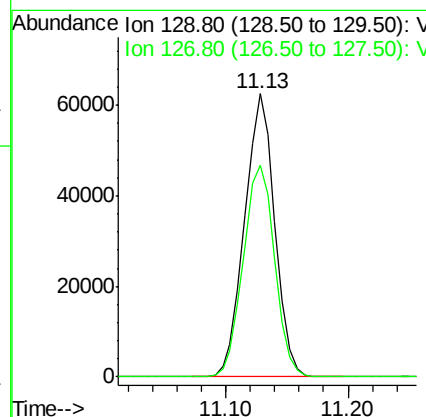
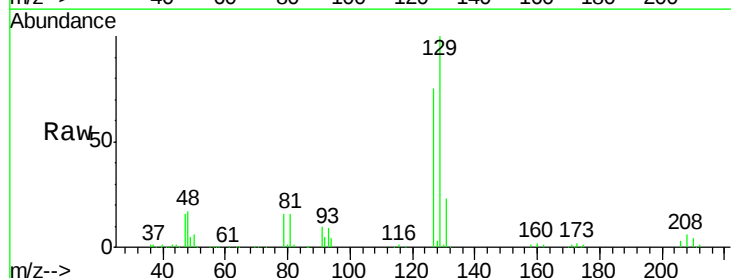
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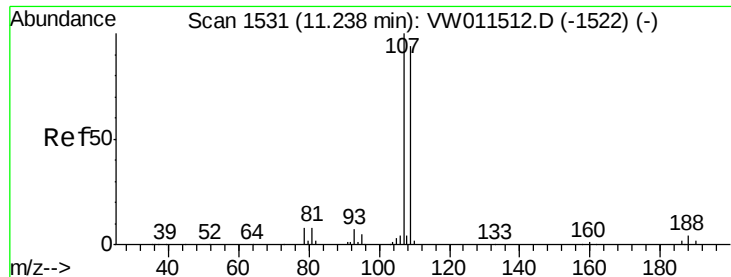
MMDadoda
8/19/2019 10:55:10 AM



#60
Dibromochloromethane
Concen: 50.856 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.7





#61

1,2-Dibromoethane

Concen: 48.479 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 86843

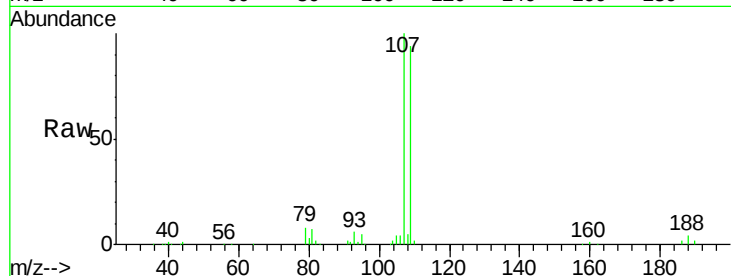
Ion Ratio Lower Upper

107 100

109 93.2 75.0 112.6

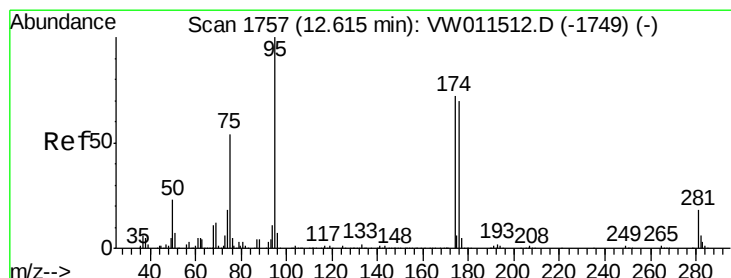
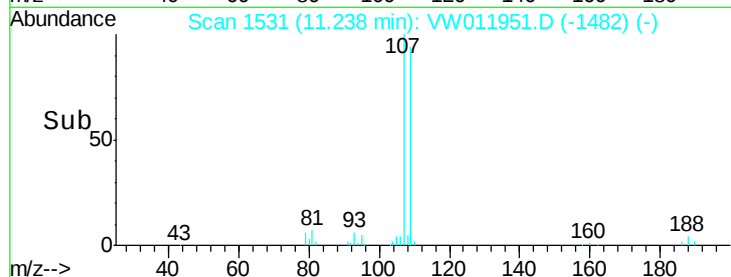
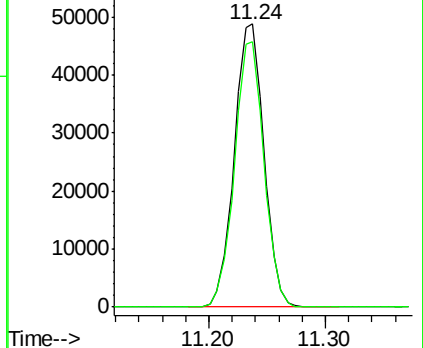
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.875 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

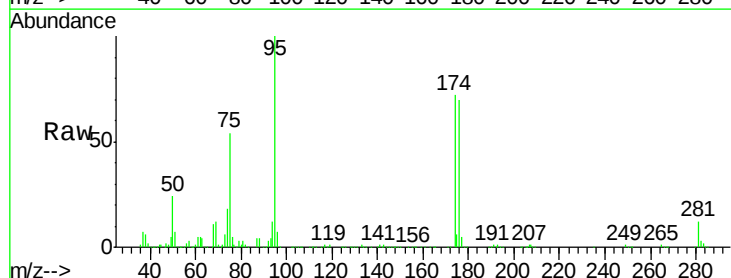
Tgt Ion: 95 Resp: 165480

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

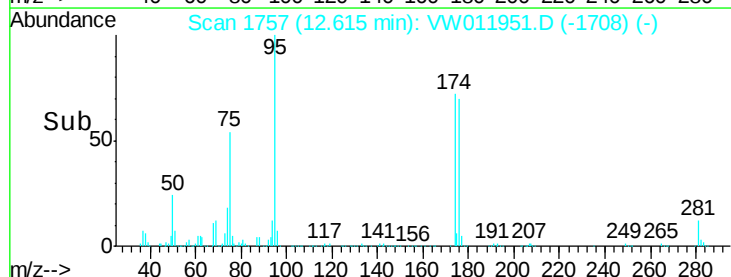
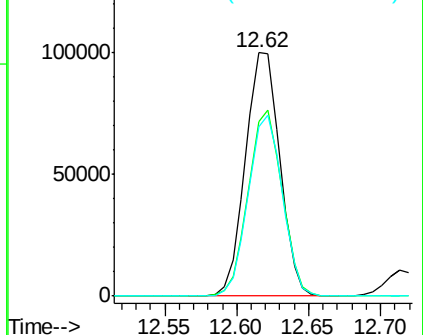
176 73.2 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

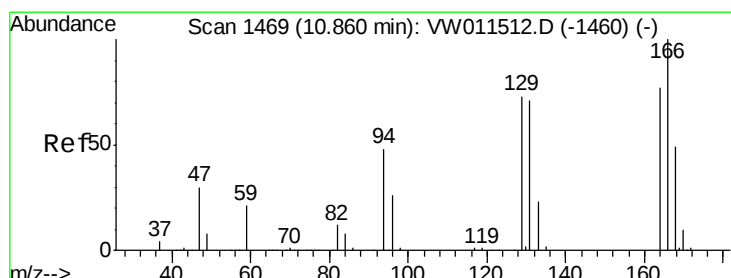
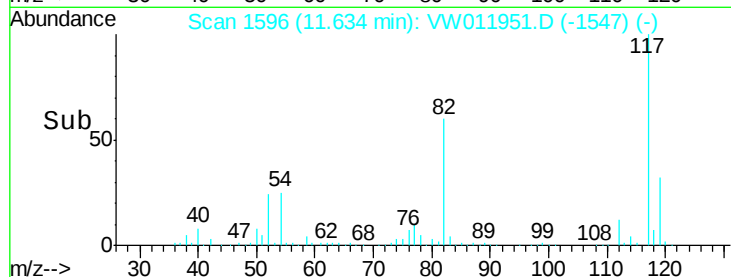
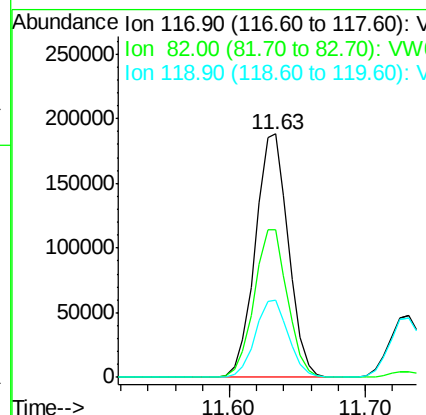
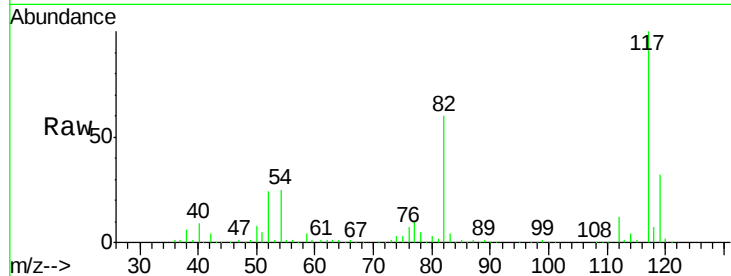
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	320961
Ion Ratio	Lower	Upper	
117	100		
82	60.4	47.9	71.9
119	31.9	26.2	39.2

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#64

Tetrachloroethene

Concen: 53.631 ug/l

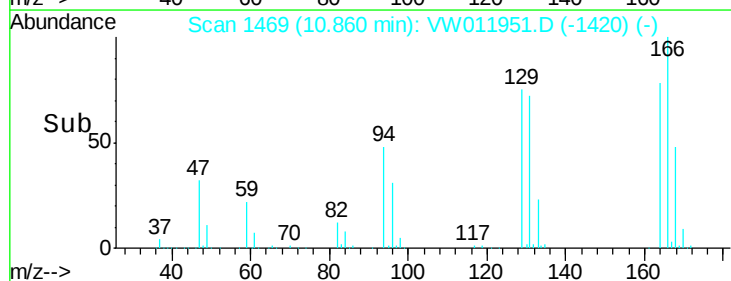
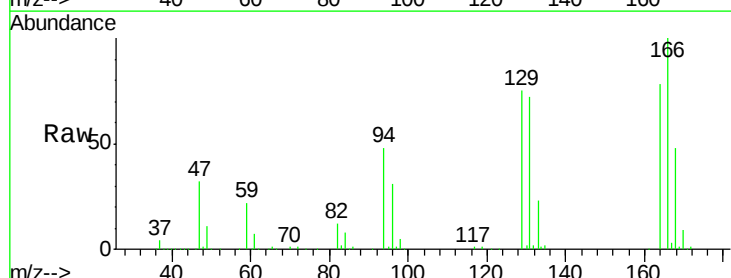
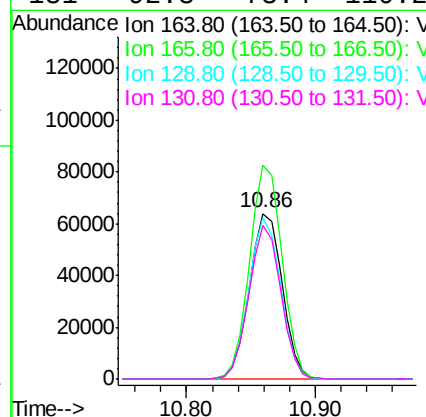
RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	164	Resp:	112079
Ion Ratio	Lower	Upper	
164	100		
166	129.0	103.5	155.3
129	97.1	75.2	112.8
131	92.3	73.4	110.2





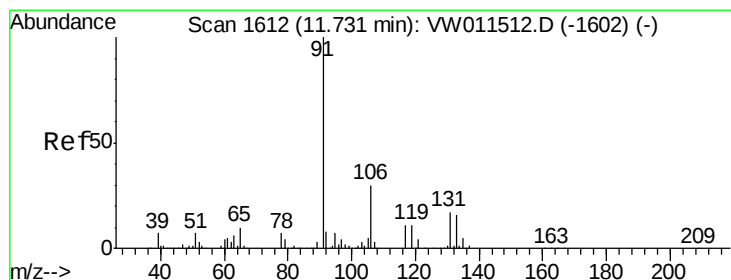
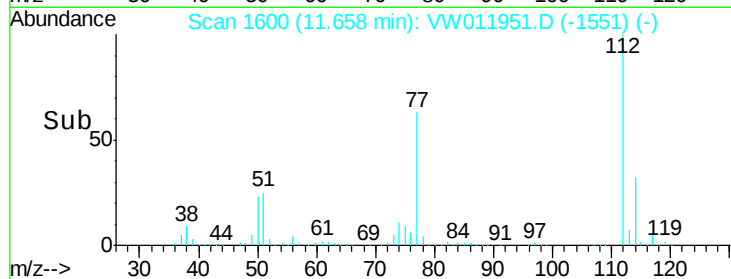
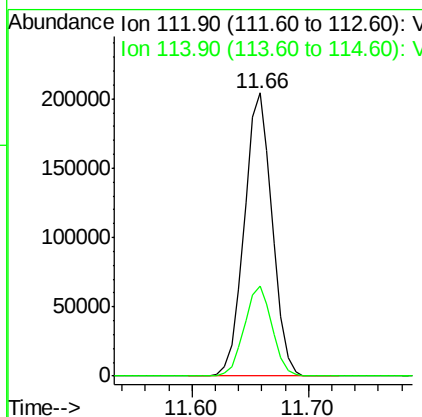
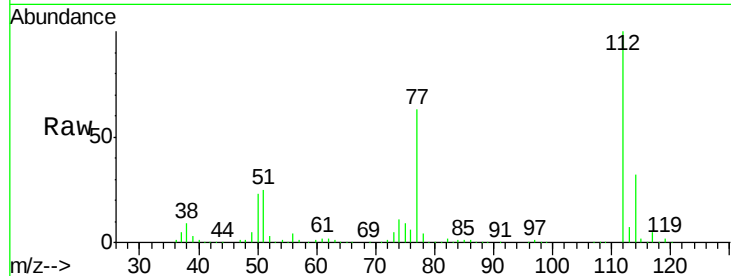
#65
Chlorobenzene
Concen: 52.574 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 339248
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

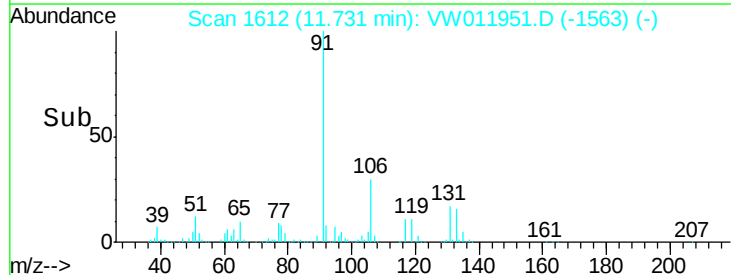
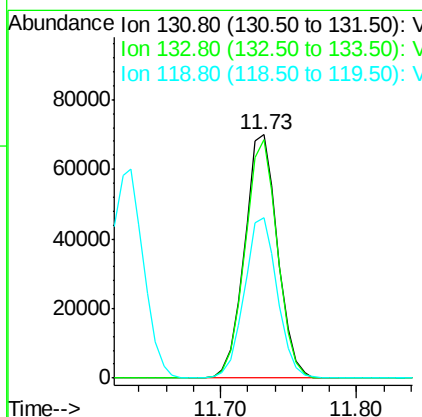
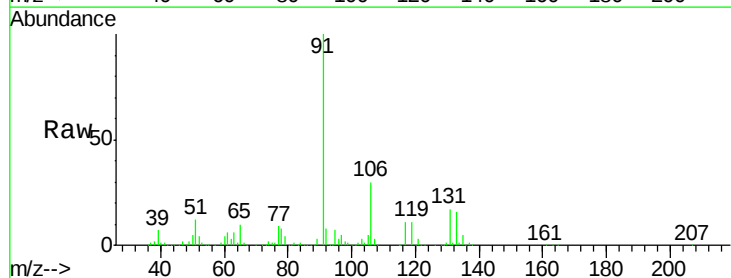
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion:131 Resp: 118660
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.2
119 65.5 32.3 96.9





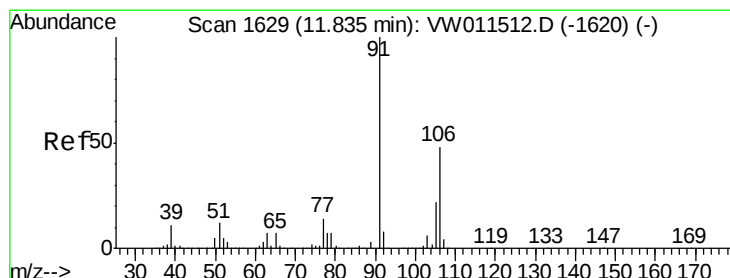
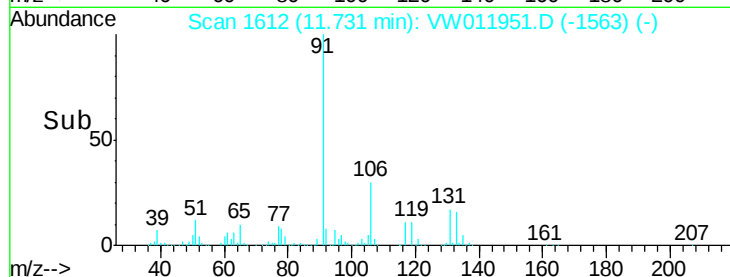
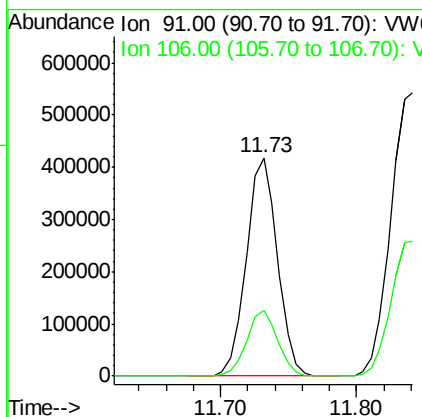
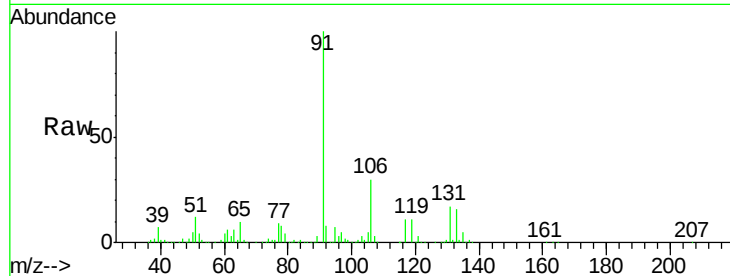
#67
Ethyl Benzene
Concen: 54.419 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 668788
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

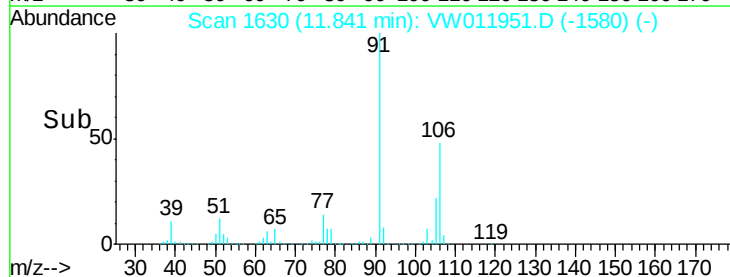
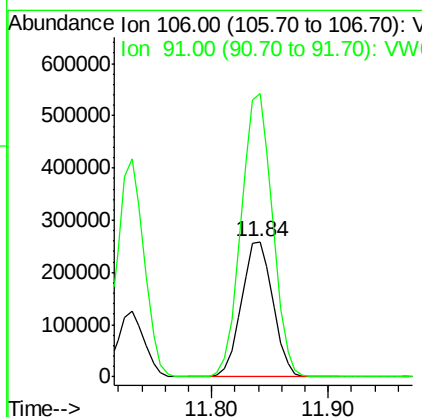
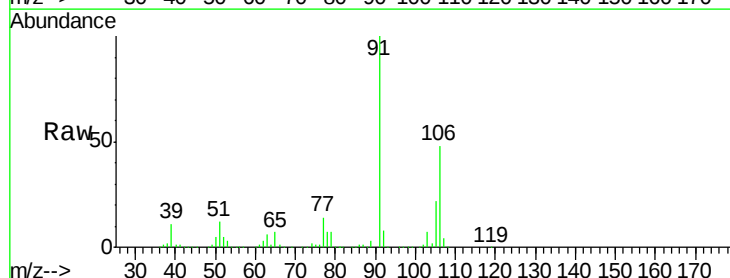
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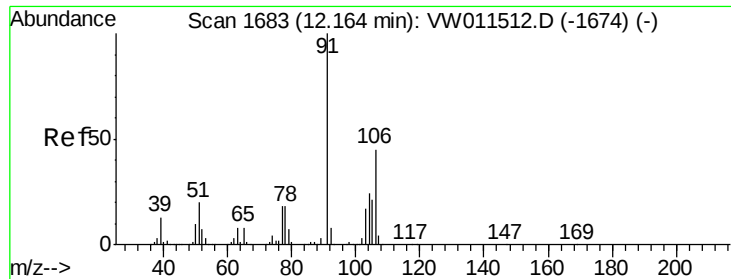
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8/19/2019 10:55:10 AM



#68
m/p-Xylenes
Concen: 108.955 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion: 106 Resp: 486964
Ion Ratio Lower Upper
106 100
91 209.3 168.2 252.2





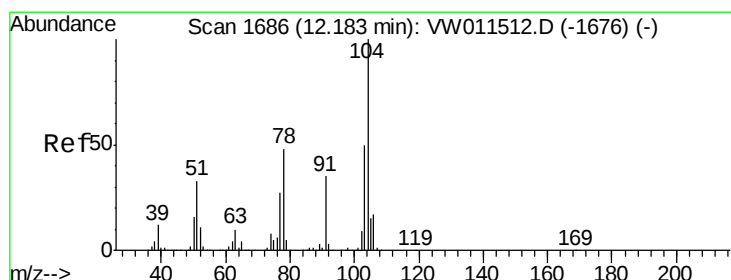
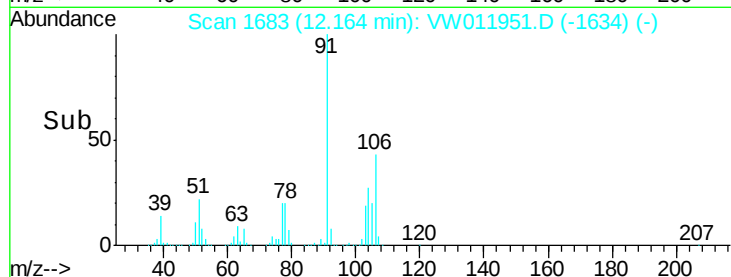
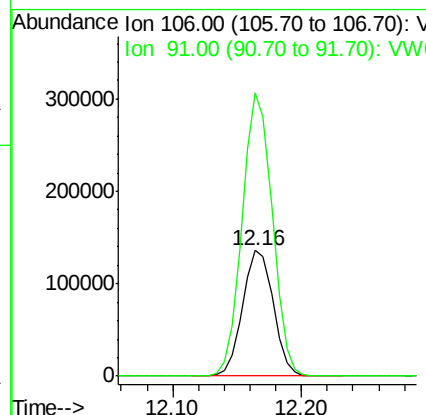
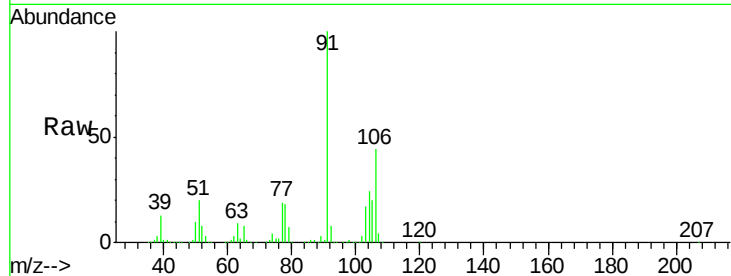
#69
o-Xylene
Concen: 53.875 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.7	110.5	331.5

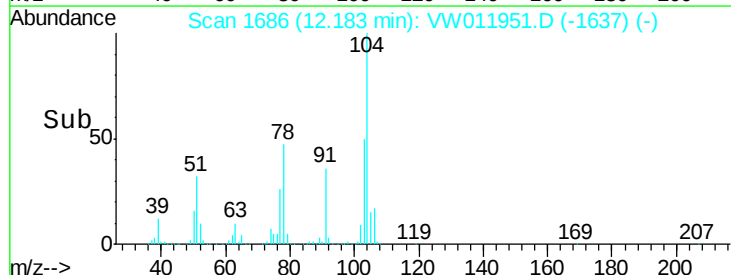
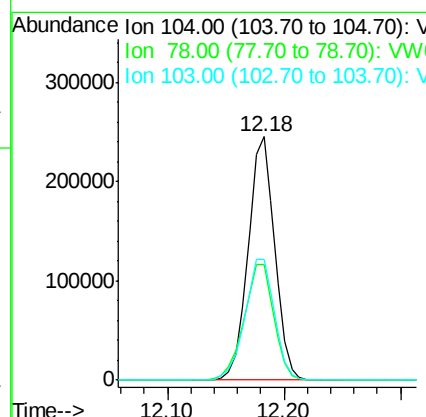
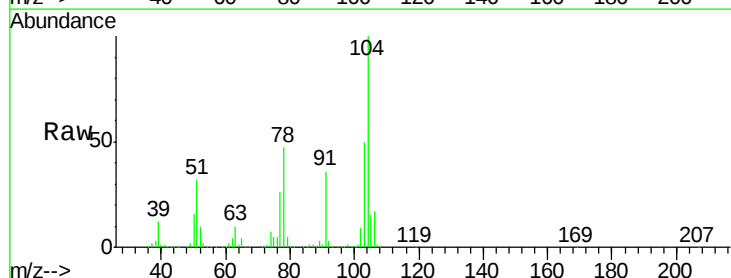
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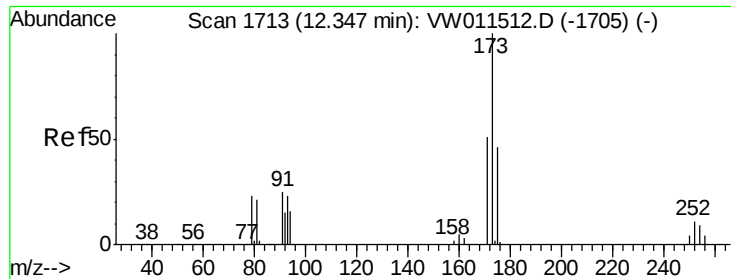
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#70
Styrene
Concen: 54.353 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.4	65.0
103	55.1	43.9	65.9





#71

Bromoform

Concen: 51.589 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

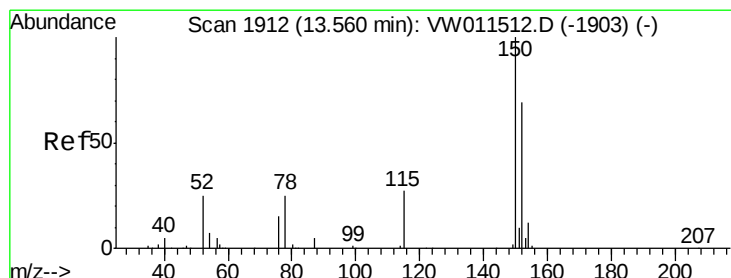
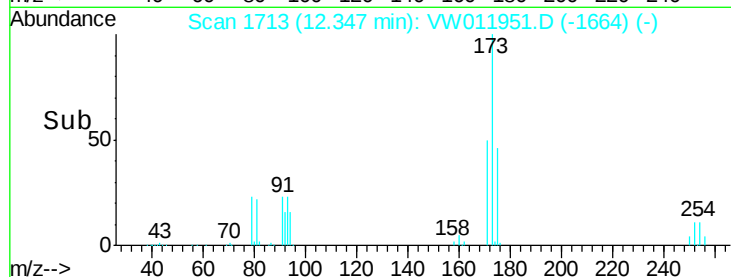
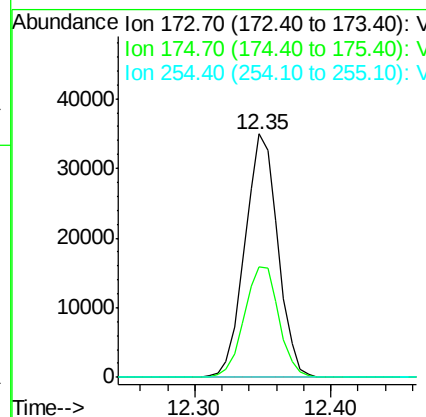
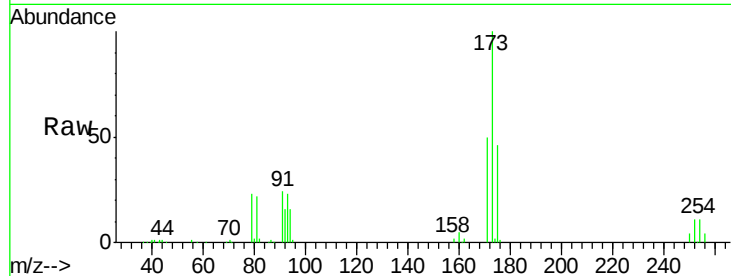
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.6	71.0
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

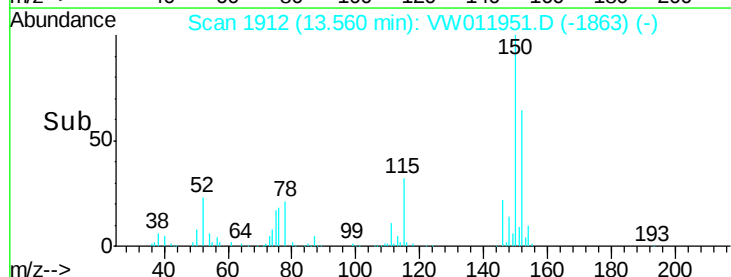
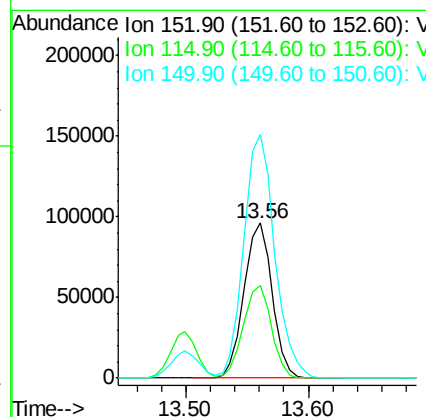
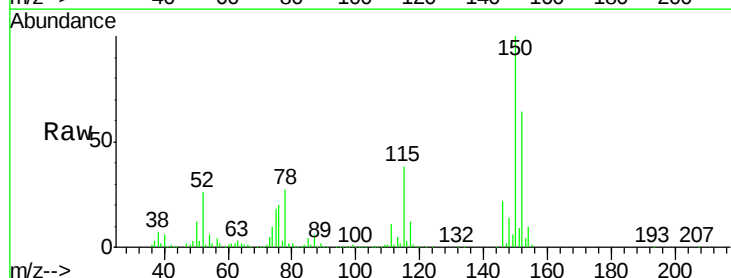
RT: 13.56 min Scan# 1912

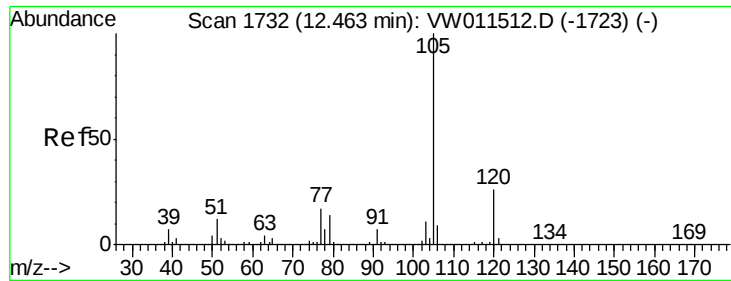
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.5	91.5
150	173.6	0.0	352.6





#73

Isopropylbenzene

Concen: 55.310 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 632464

Ion Ratio Lower Upper

105 100

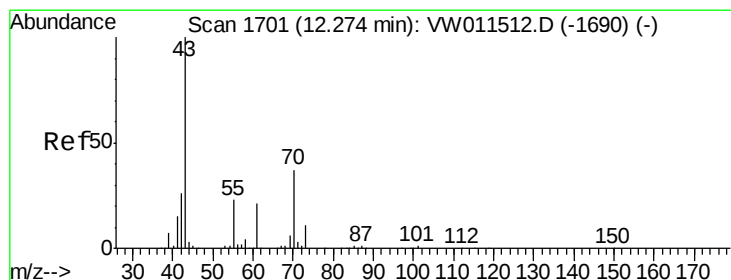
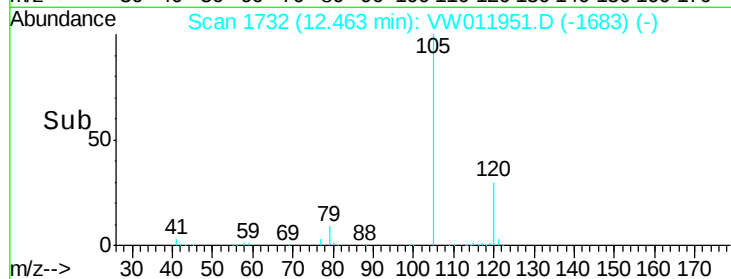
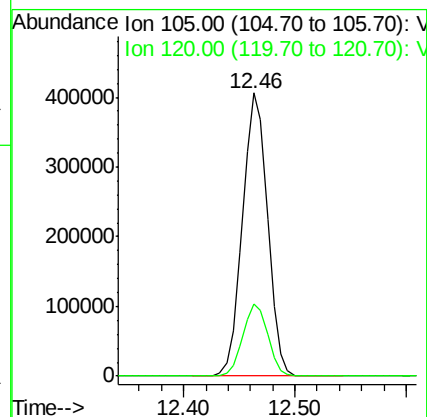
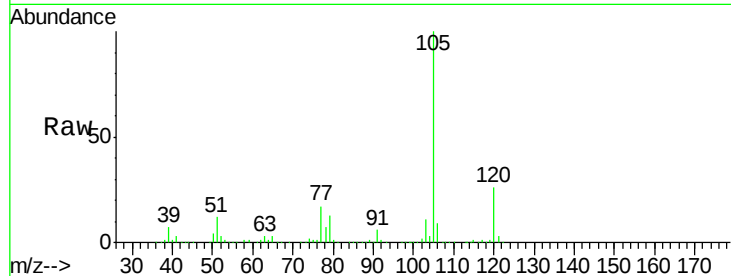
120 25.5 12.9 38.7

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#74

N-ethyl acetate

Concen: 49.780 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion: 43 Resp: 178212

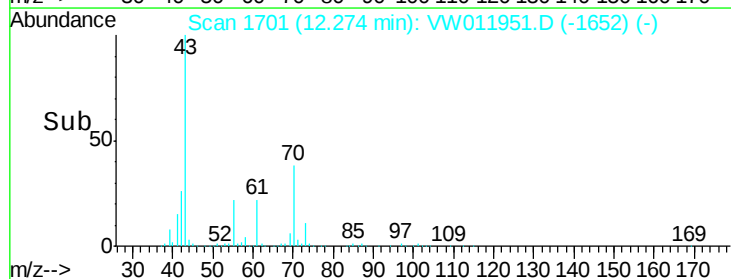
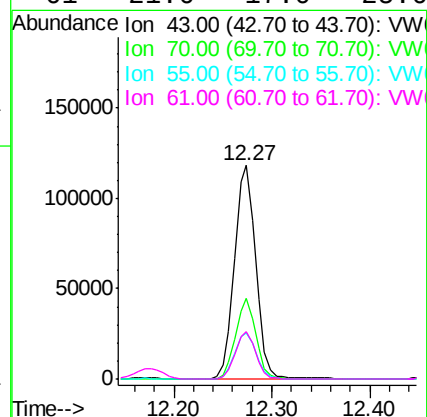
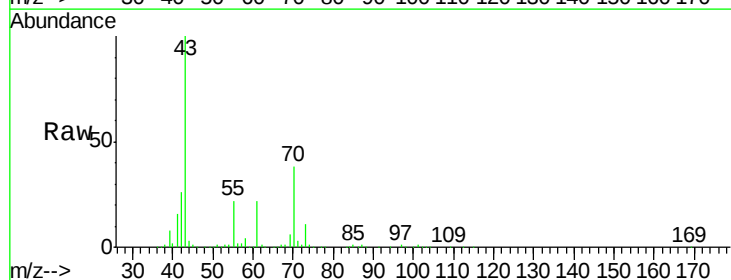
Ion Ratio Lower Upper

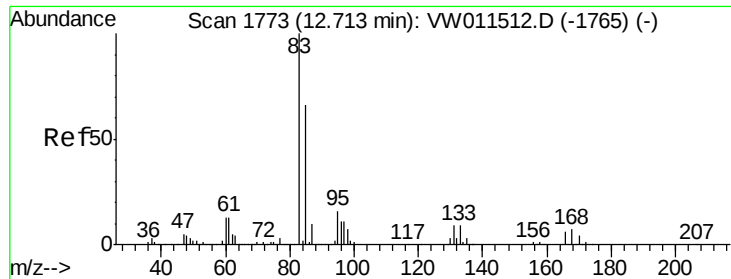
43 100

70 36.3 28.6 43.0

55 22.2 17.8 26.8

61 21.6 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.445 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

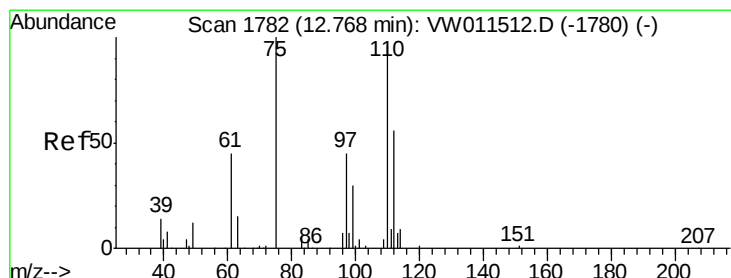
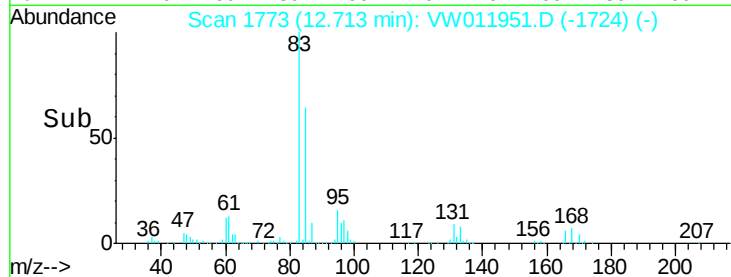
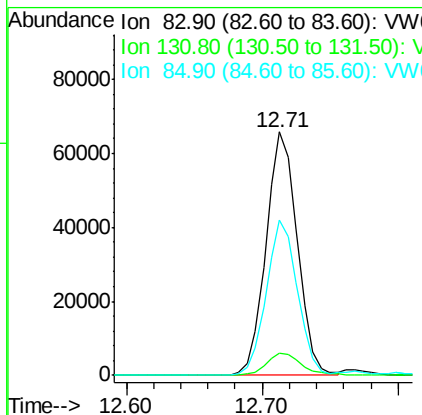
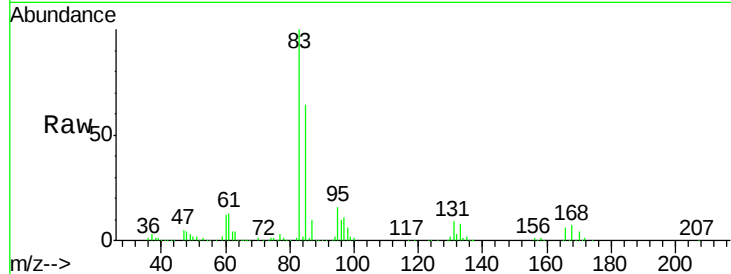
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	106351
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 44.174 ug/l m

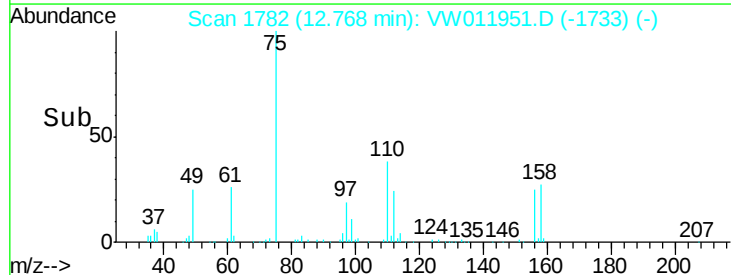
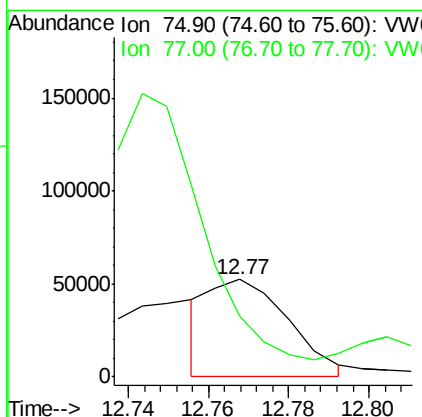
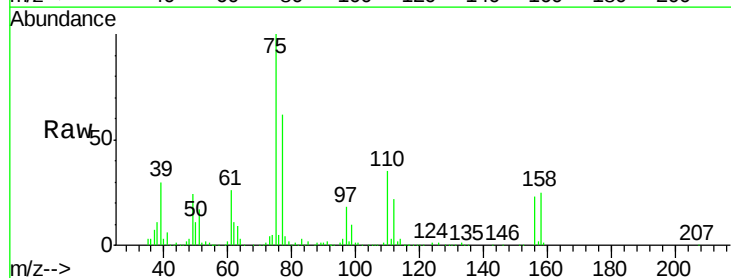
RT: 12.77 min Scan# 1782

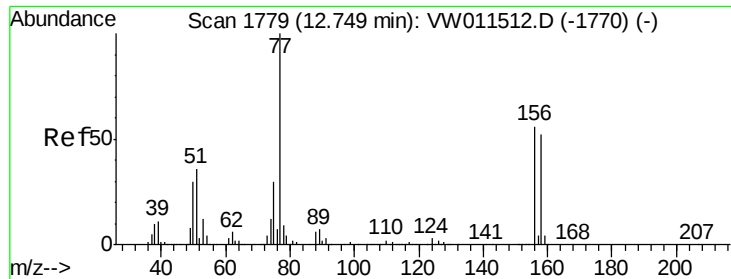
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	75	Resp:	71645
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.560 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

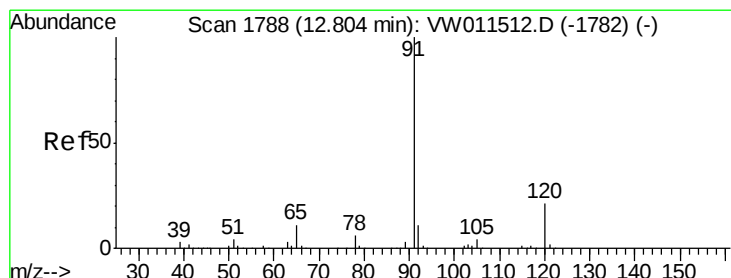
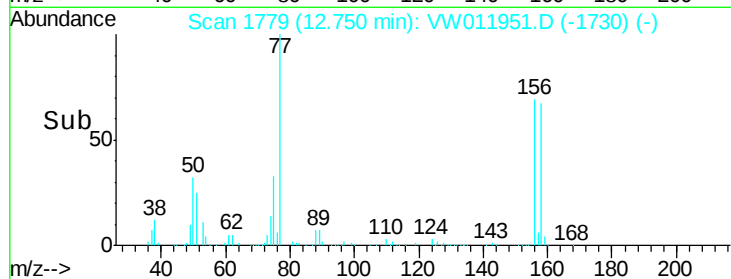
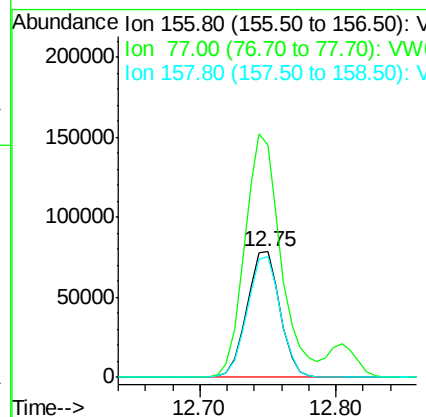
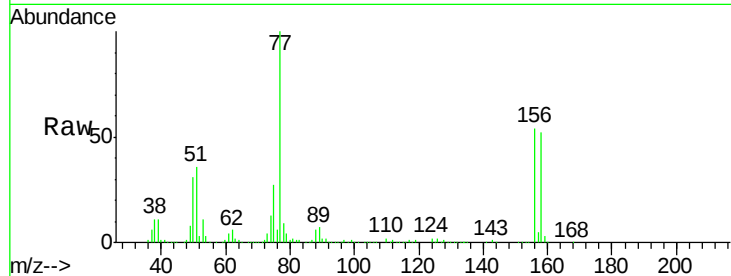
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	132844
Ion Ratio	Lower	Upper	
156	100		
77	211.4	106.5	319.4
158	96.6	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 55.715 ug/l

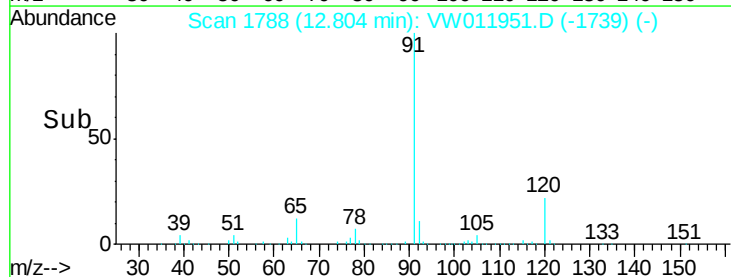
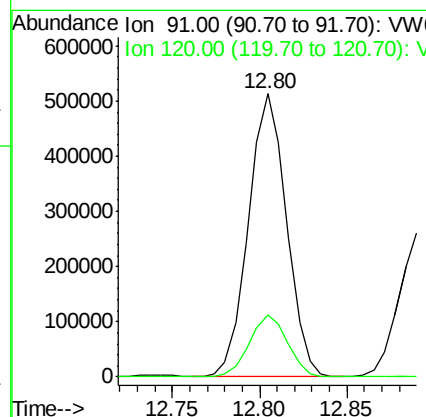
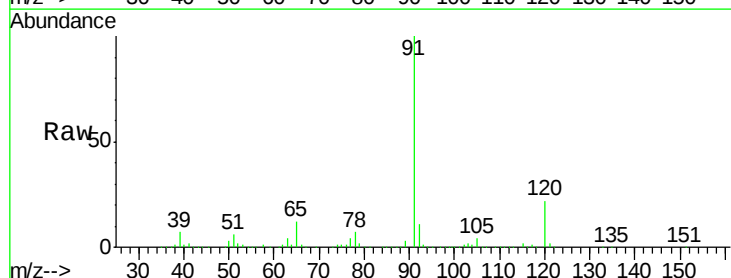
RT: 12.80 min Scan# 1788

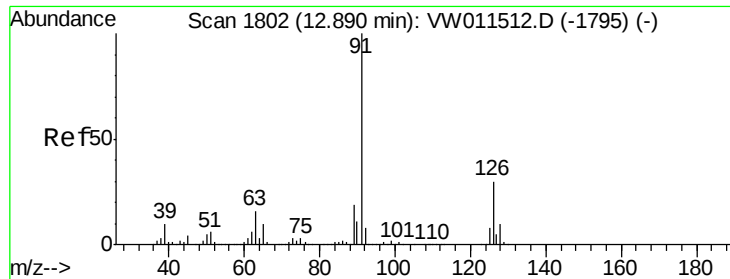
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	91	Resp:	775352
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 53.553 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 429346

Ion Ratio Lower Upper

91 100

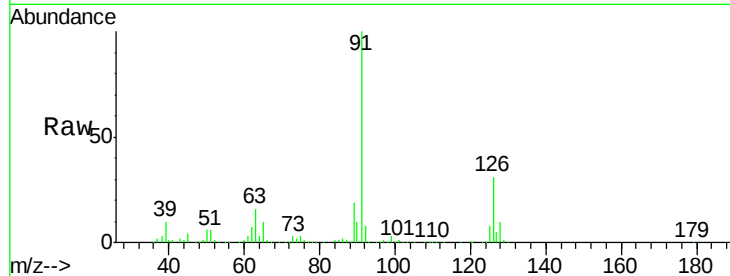
126 31.4 15.7 47.1

Manual Integrations

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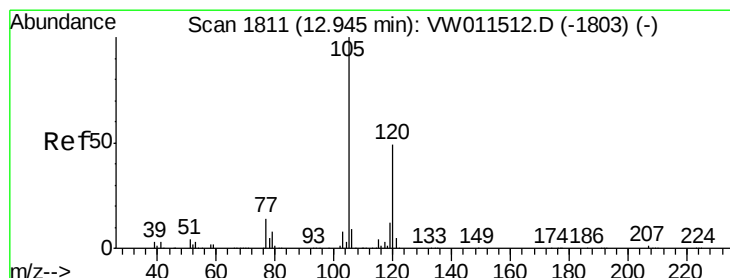
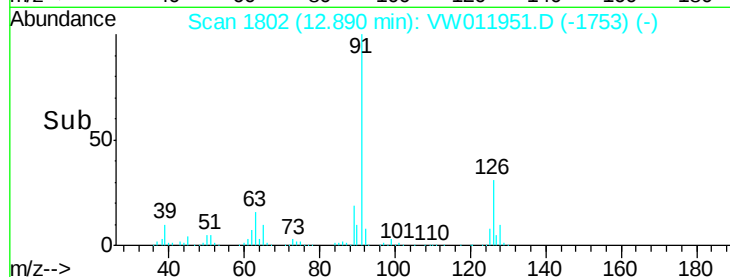
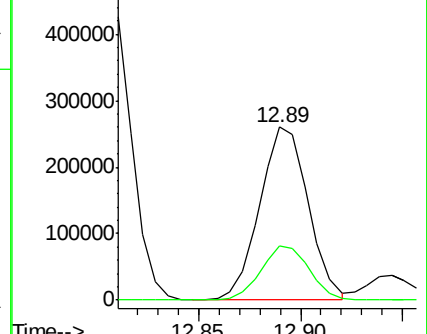
MMDadoda

8/19/2019 10:55:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.214 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011951.D

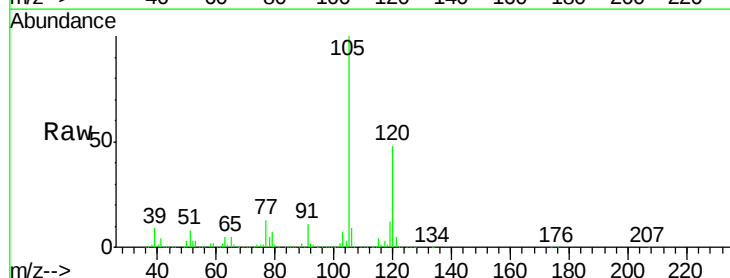
Acq: 16 Aug 2019 08:58

Tgt Ion: 105 Resp: 529246

Ion Ratio Lower Upper

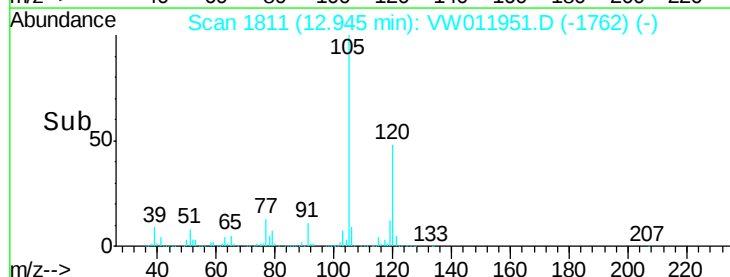
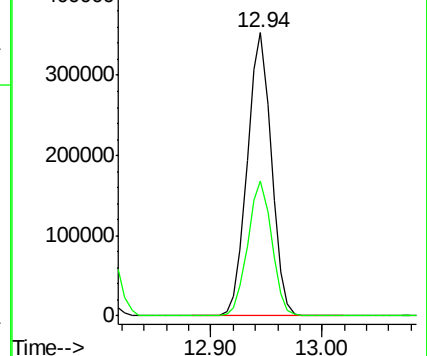
105 100

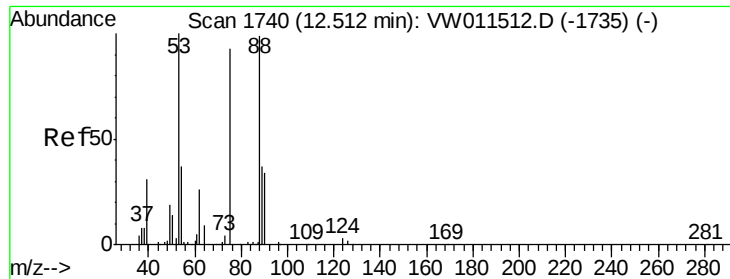
120 47.6 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





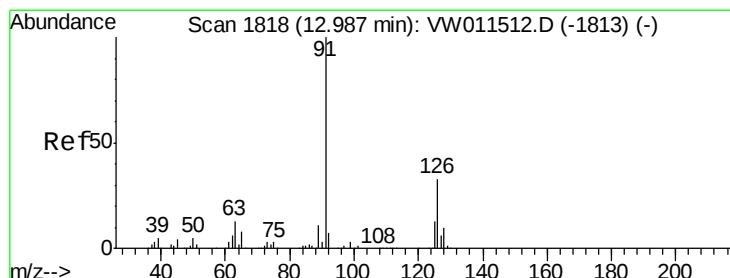
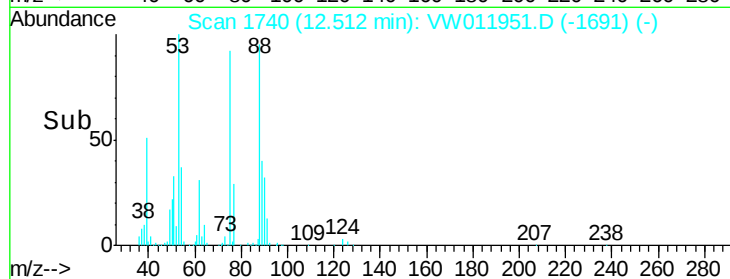
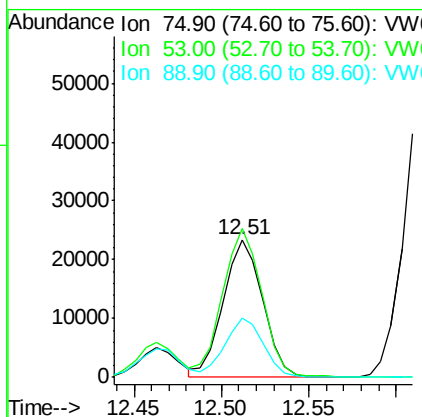
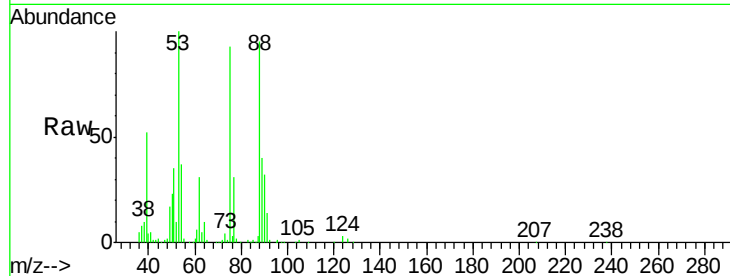
#81
trans-1,4-Dichloro-2-butene
Concen: 51.647 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	88.0	132.0
89	42.3	35.3	52.9

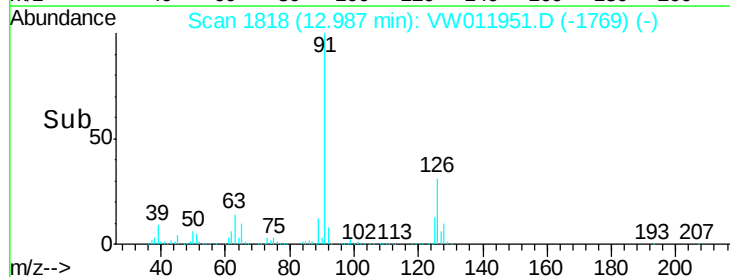
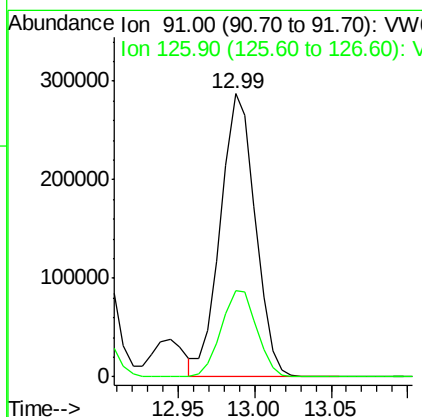
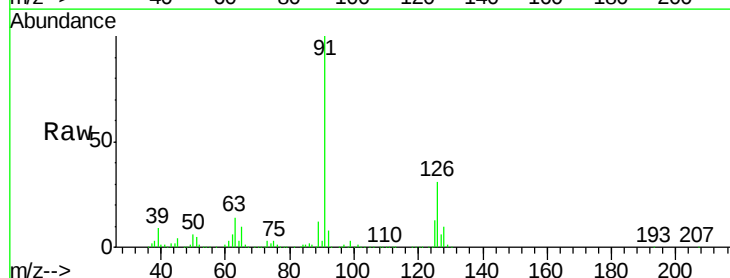
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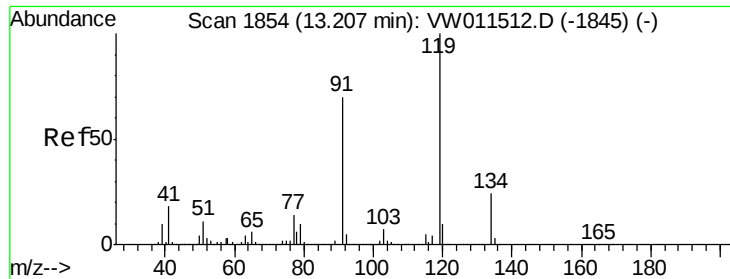
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.888 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011951.D
Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





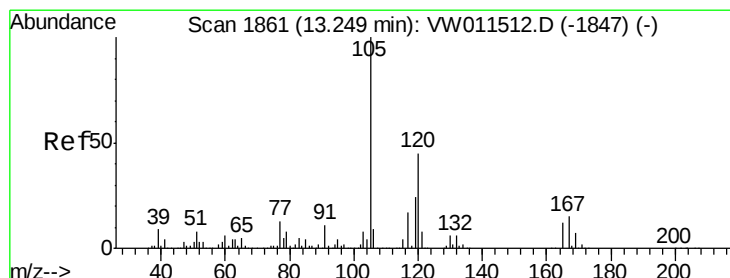
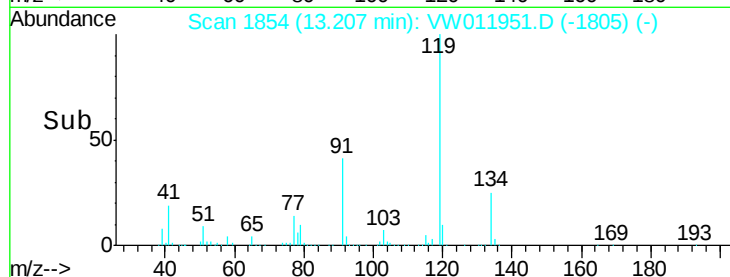
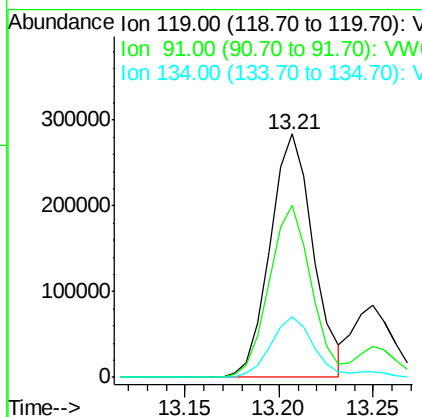
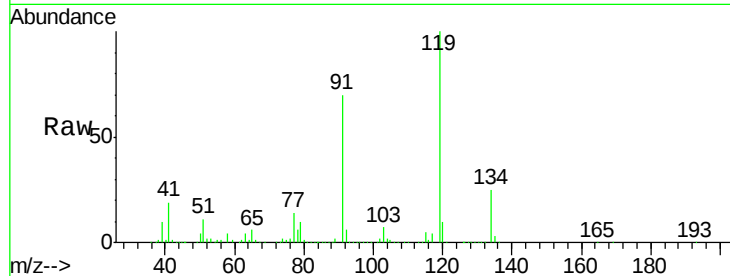
#83
 tert-Butylbenzene
 Concen: 56.160 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.5	103.6
134	24.7	12.4	37.4

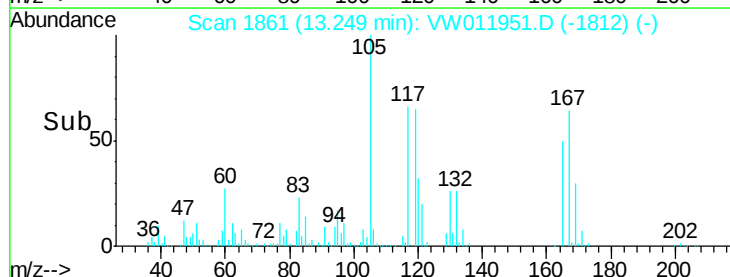
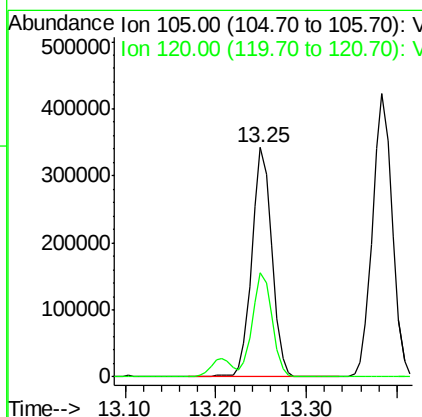
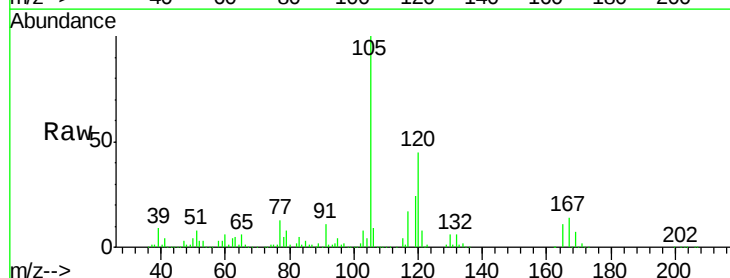
Manual Integrations
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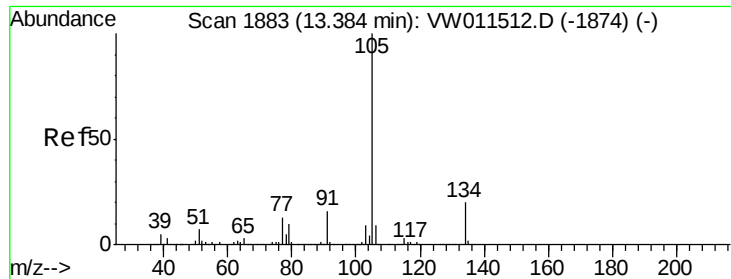
MMDadoda
 8/19/2019 10:55:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.158 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





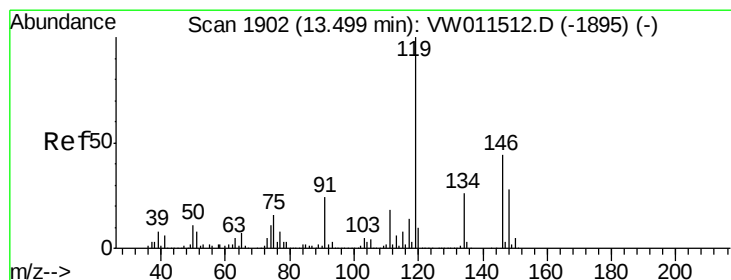
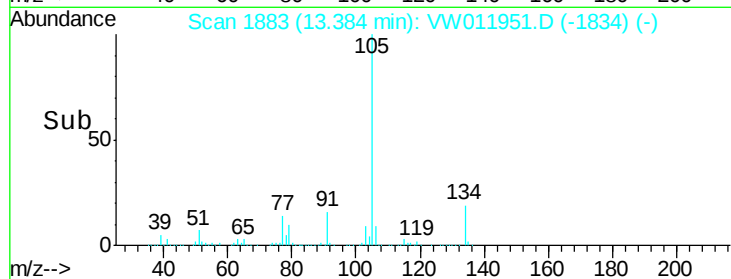
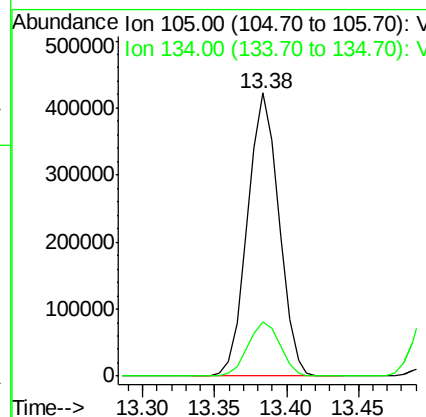
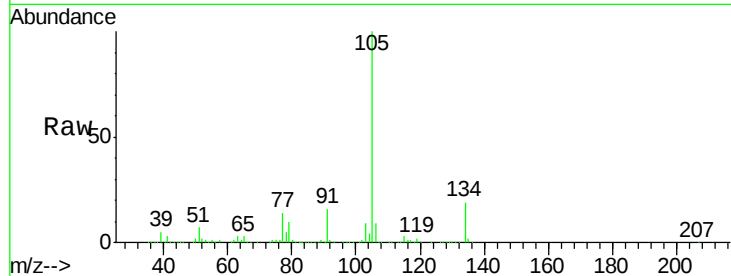
#85
 sec-Butylbenzene
 Concen: 55.739 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

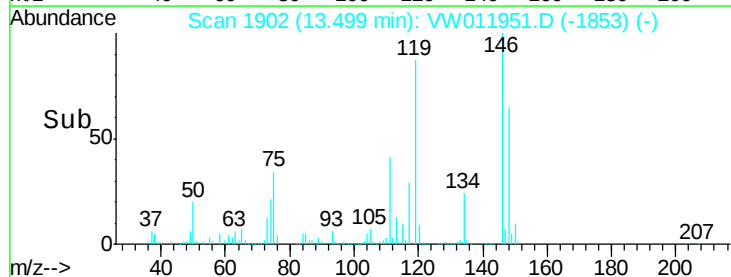
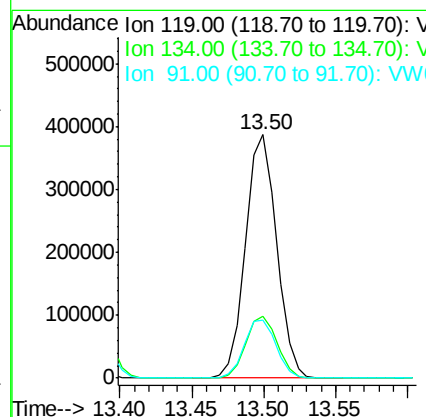
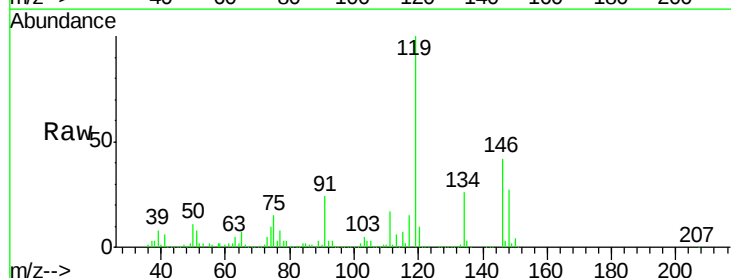
Manual Integrations
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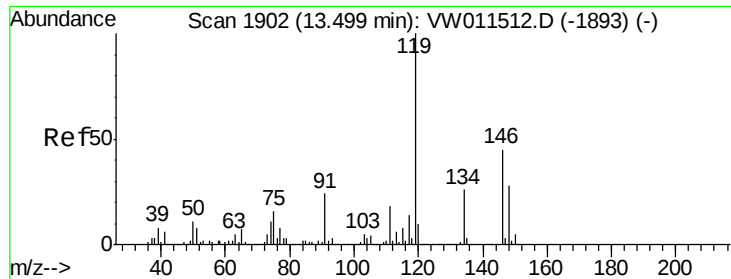
MMDadoda
 8/19/2019 10:55:10 AM



#86
 p-Isopropyltoluene
 Concen: 55.468 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.5	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 52.414 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

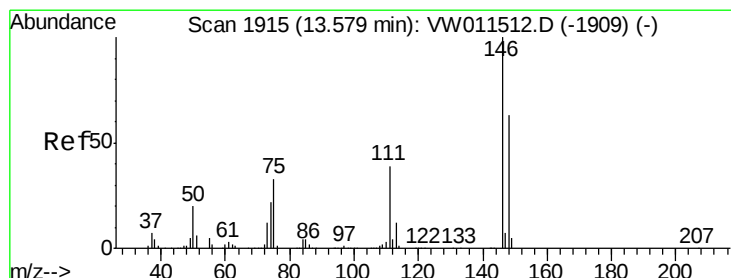
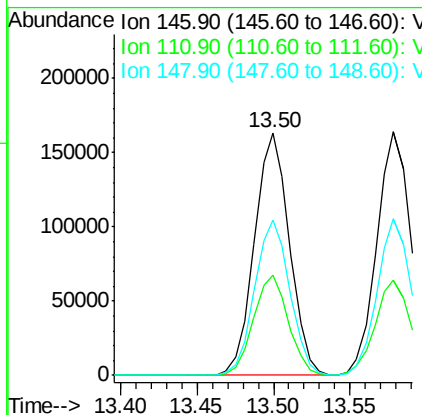
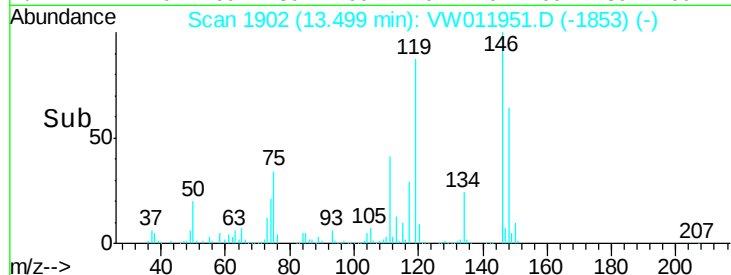
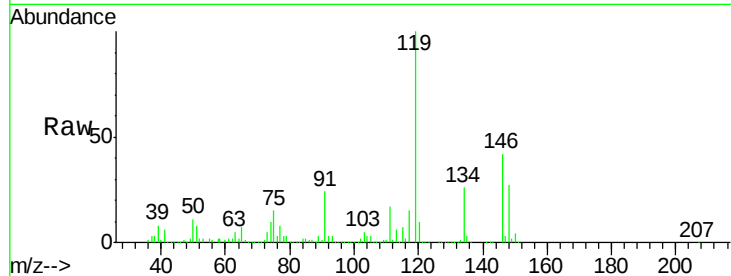
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259755		
111	41.4	20.5	61.6	
148	64.4	31.8	95.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.897 ug/l

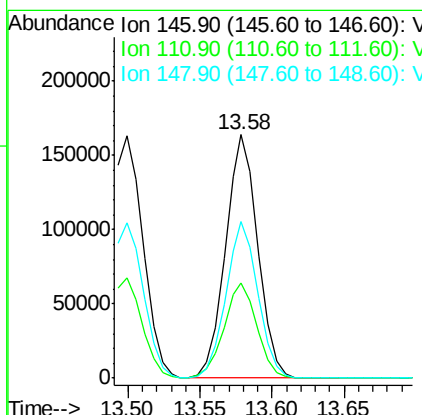
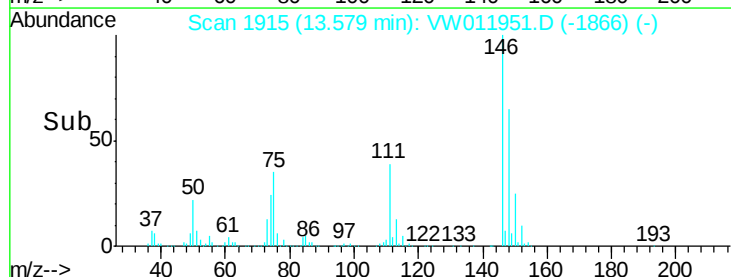
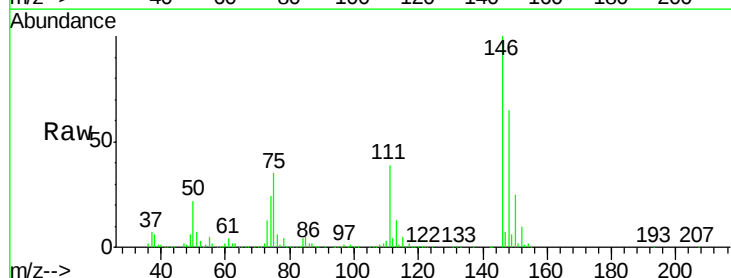
RT: 13.58 min Scan# 1915

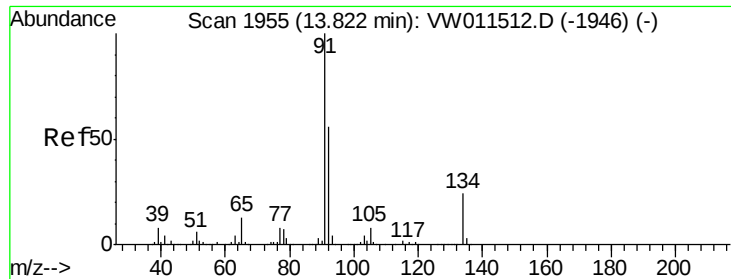
Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	255846		
111	39.8	20.1	60.2	
148	64.1	31.9	95.9	





#89

n-Butylbenzene

Concen: 55.922 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

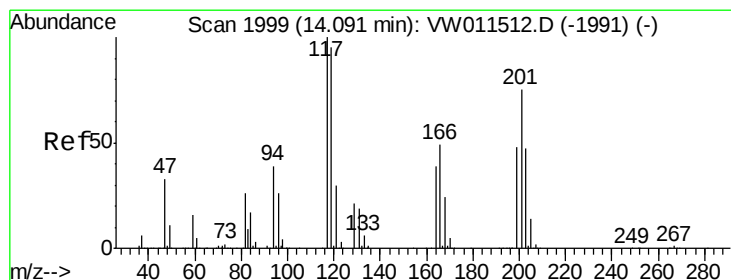
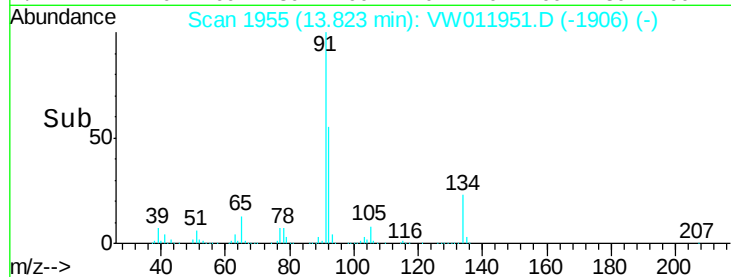
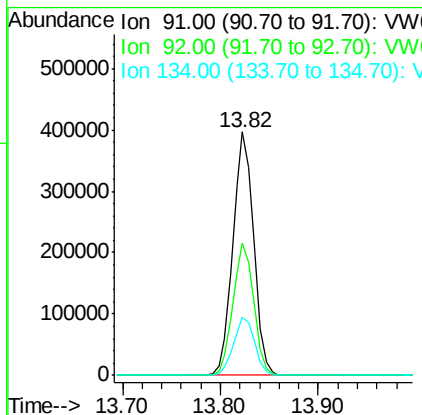
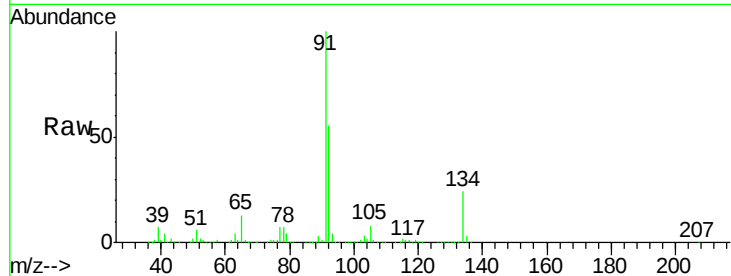
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	579127
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	24.3	12.2	36.6

Manual Integrations
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#90

Hexachloroethane

Concen: 55.405 ug/l

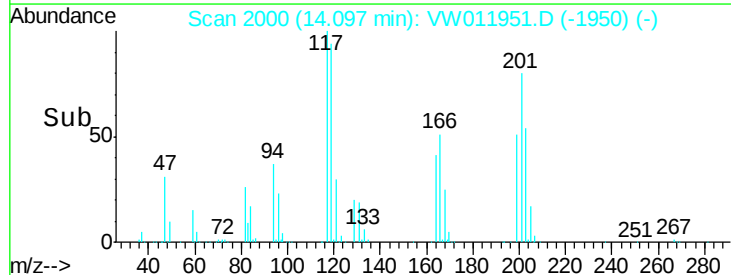
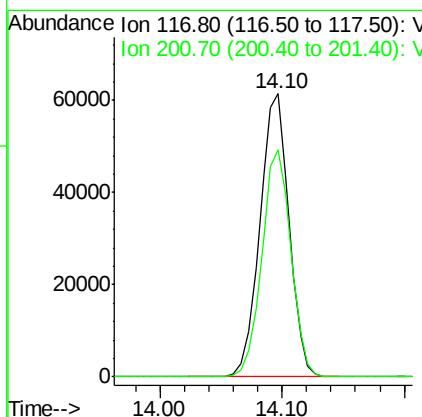
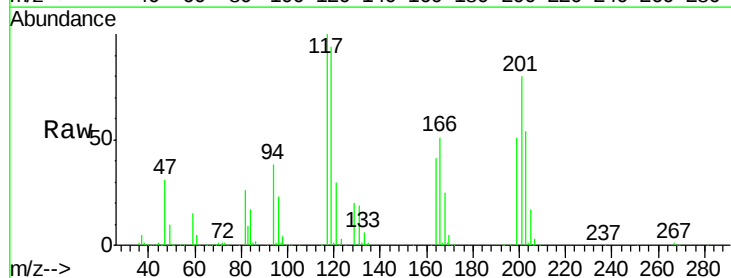
RT: 14.10 min Scan# 2000

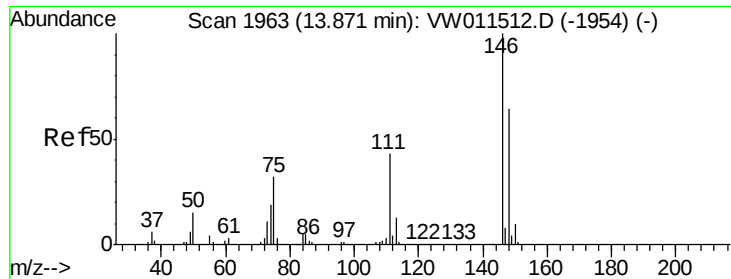
Delta R.T. 0.01 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	117	Resp:	101668
Ion	Ratio	Lower	Upper
117	100		
201	79.8	39.4	118.2





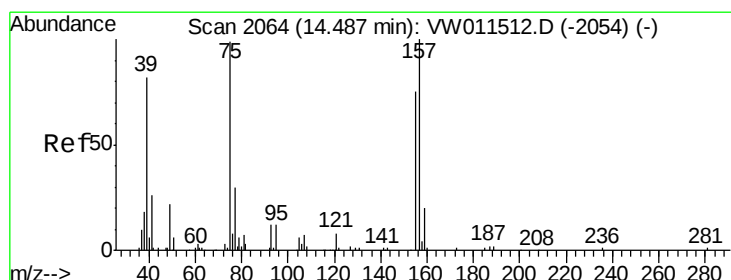
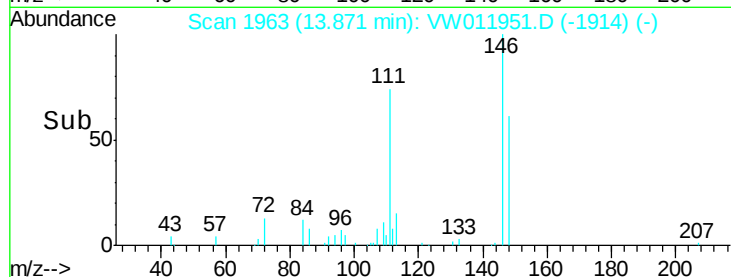
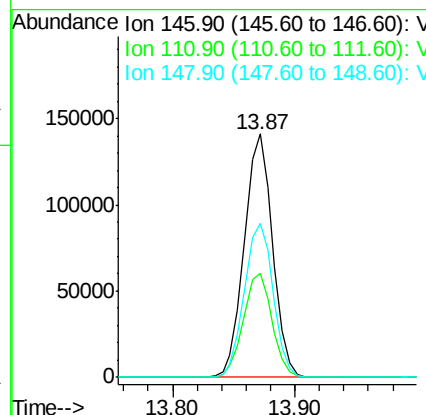
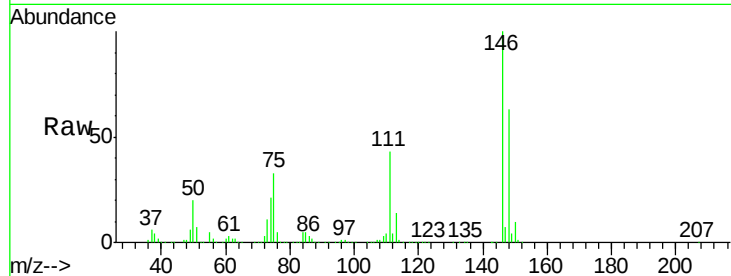
#91
 1,2-Dichlorobenzene
 Concen: 51.602 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	226182		
111	43.3		21.6	65.0
148	64.4		32.0	96.2

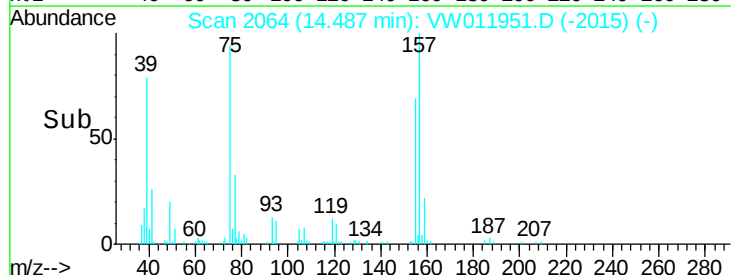
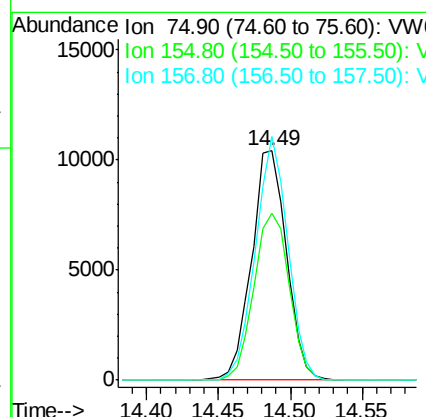
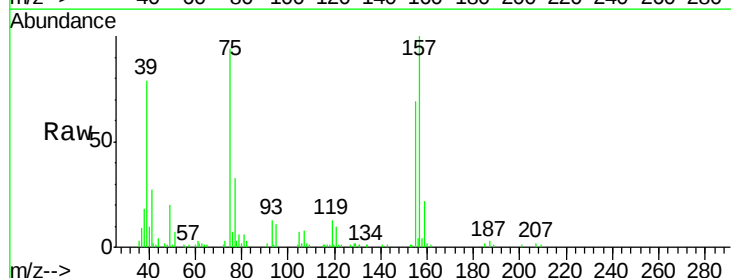
Manual Integrations
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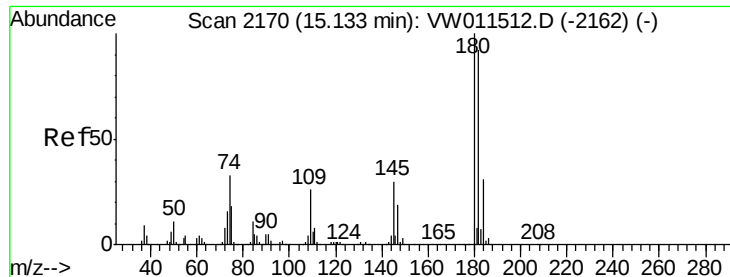
MMDadoda
 8/19/2019 10:55:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.461 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17408		
155	73.4		38.2	114.6
157	98.5		48.9	146.7





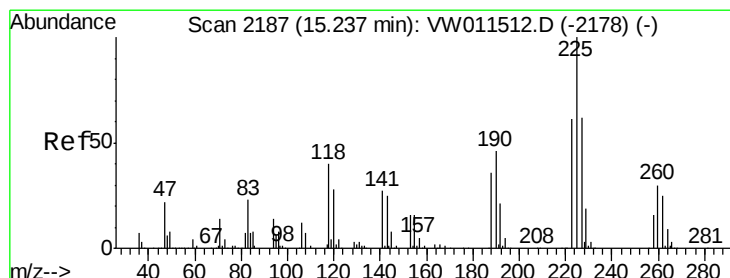
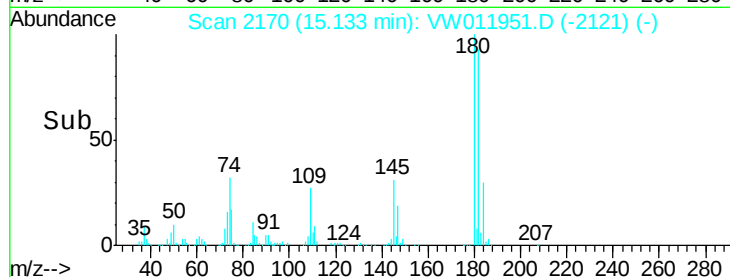
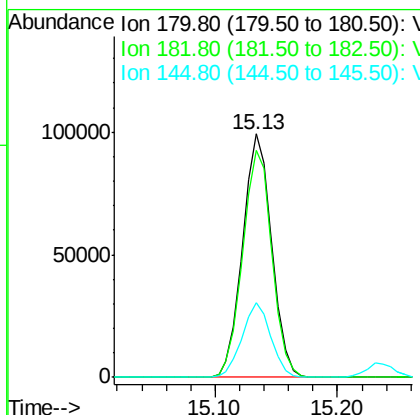
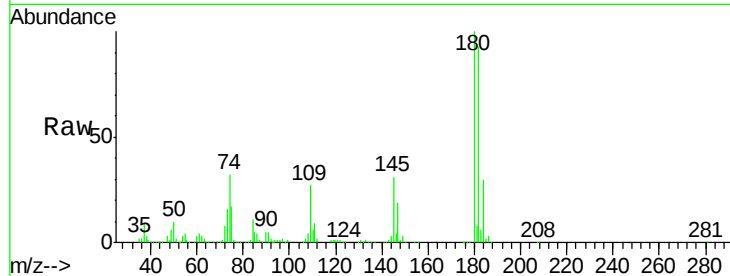
#93
 1,2,4-Trichlorobenzene
 Concen: 52.876 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	163342		
182	94.0	47.4	142.2	
145	30.3	15.4	46.1	

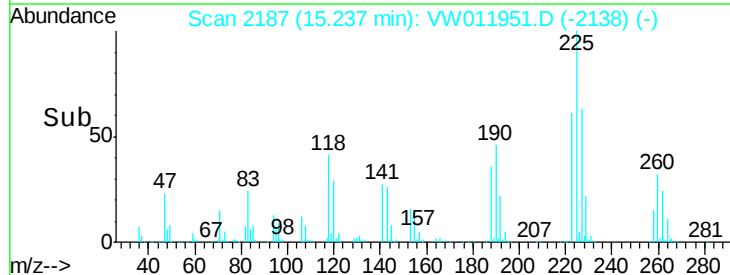
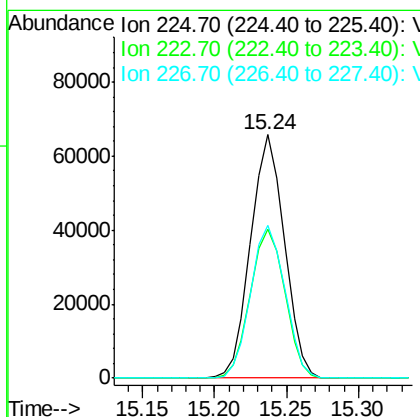
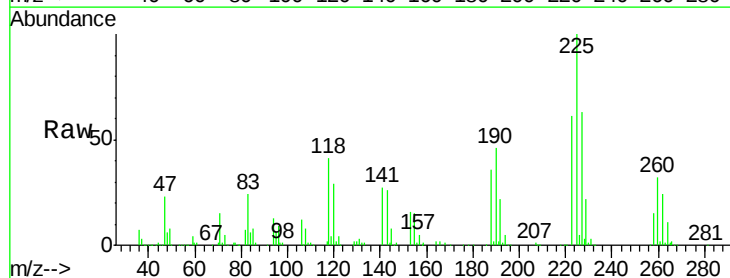
Manual Integrations
 APPROVED

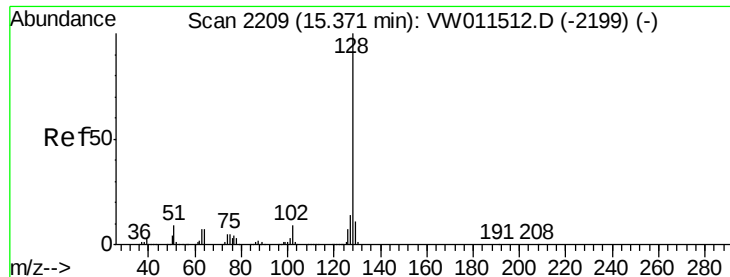
MMDadoda
 8/19/2019 10:55:10 AM



#94
 Hexachlorobutadiene
 Concen: 55.626 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011951.D
 Acq: 16 Aug 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107161		
223	62.7	30.8	92.3	
227	63.5	31.6	94.7	





#95

Naphthalene

Concen: 47.252 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Instrument :

MSVOA_W

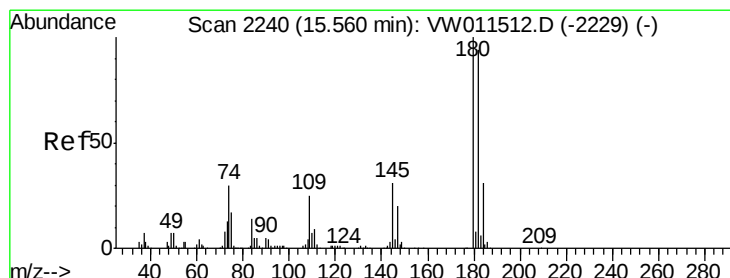
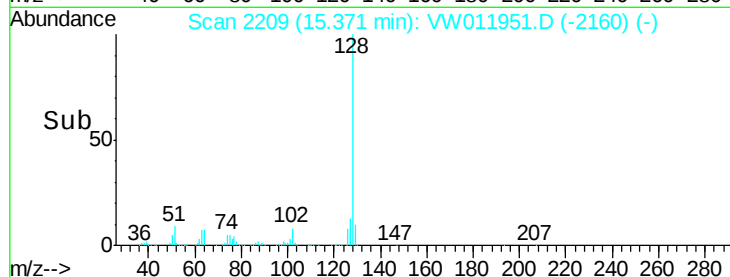
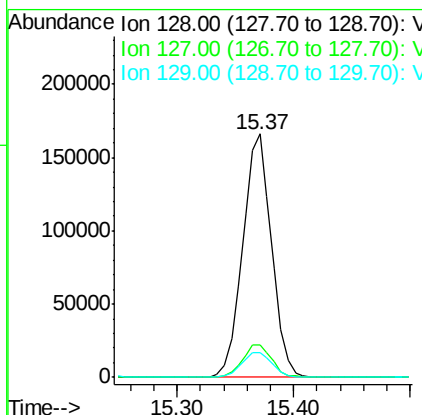
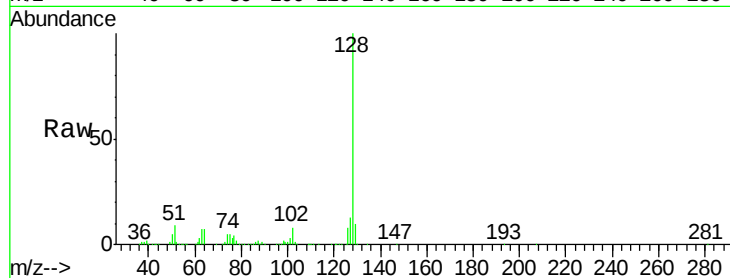
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	285210
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:55:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.417 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011951.D

Acq: 16 Aug 2019 08:58

Tgt Ion:	180	Resp:	141937
Ion Ratio		Lower	Upper
180	100		
182	93.7	47.4	142.2
145	31.5	15.9	47.7

