

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012925.D
 Acq On : 11 Sep 2019 19:23
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:32:25 AM

Quant Time: Sep 12 08:30:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136730	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	7.88	113	119352	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.32	98	487947	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.62	95	169808	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	59872	41.585	ug/l	95
3) Chloromethane	2.21	50	79532	45.454	ug/l	94
4) Vinyl Chloride	2.35	62	110648	51.575	ug/l	98
5) Bromomethane	2.72	94	61722m	52.981	ug/l	
6) Chloroethane	2.89	64	68591	53.577	ug/l	100
7) Trichlorofluoromethane	3.24	101	64116	43.308	ug/l	100
8) Diethyl Ether	3.67	74	60196	48.378	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120479	51.857	ug/l	96
10) Methyl Iodide	4.26	142	155619	53.208	ug/l	97
11) Tert butyl alcohol	5.17	59	48153	212.097	ug/l	98
12) 1,1-Dichloroethene	4.03	96	109577	49.963	ug/l	95
13) Acrolein	3.89	56	43494	180.530	ug/l	94
14) Allyl chloride	4.65	41	209624	46.204	ug/l	98
15) Acrylonitrile	5.36	53	154396	212.444	ug/l	99
16) Acetone	4.12	43	133525	165.058	ug/l	98
17) Carbon Disulfide	4.37	76	213038	45.762	ug/l	100
18) Methyl Acetate	4.66	43	76159	40.127	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	223113	51.296	ug/l	95
20) Methylene Chloride	4.91	84	122888	48.556	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	115102	51.435	ug/l	88
22) Diisopropyl ether	6.31	45	455584	50.630	ug/l	98
23) Vinyl Acetate	6.25	43	1290146	226.237	ug/l	97
24) 1,1-Dichloroethane	6.21	63	245488	50.668	ug/l	97
25) 2-Butanone	7.16	43	203048	176.730	ug/l	99
26) 2,2-Dichloropropane	7.16	77	146915	48.010	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	140815	54.269	ug/l	96
28) Bromochloromethane	7.51	49	114357	51.403	ug/l	90
29) Tetrahydrofuran	7.52	42	132776	203.250	ug/l	96
30) Chloroform	7.67	83	247044	51.449	ug/l	98
31) Cyclohexane	7.95	56	197301	45.234	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	197572	50.760	ug/l	98
36) 1,1-Dichloropropene	8.08	75	177965	50.866	ug/l	98
37) Ethyl Acetate	7.24	43	91300	40.936	ug/l	98
38) Carbon Tetrachloride	8.06	117	178668	51.805	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	202946	51.647	ug/l	96
40) Benzene	8.32	78	509840	52.522	ug/l	100
41) Methacrylonitrile	7.47	41	60838	40.886	ug/l	98
42) 1,2-Dichloroethane	8.40	62	162150	47.464	ug/l	98
43) Isopropyl Acetate	8.42	43	180156	42.636	ug/l	96
44) Trichloroethene	9.09	130	138662	55.416	ug/l	87
45) 1,2-Dichloropropane	9.37	63	138293	51.366	ug/l	97
46) Dibromomethane	9.46	93	63097	49.492	ug/l	96
47) Bromodichloromethane	9.64	83	183528	52.324	ug/l	99
48) Methyl methacrylate	9.43	41	86954	43.061	ug/l	99
49) 1,4-Dioxane	9.44	88	19157	760.708	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	472033	212.894	ug/l	97
52) Toluene	10.38	92	328636	54.243	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	184491	51.152	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	214074	52.321	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	98343	51.524	ug/l	98
56) Ethyl methacrylate	10.65	69	137929	49.367	ug/l	93
57) 1,3-Dichloropropane	10.93	76	175701	49.759	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	379661	255.965	ug/l	96
59) 2-Hexanone	10.97	43	319336	197.137	ug/l	98
60) Dibromochloromethane	11.13	129	119366	53.175	ug/l	99
61) 1,2-Dibromoethane	11.23	107	90195	51.543	ug/l	100
64) Tetrachloroethene	10.86	164	118137	56.495	ug/l	97
65) Chlorobenzene	11.65	112	358152	54.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	135890	56.022	ug/l	99
67) Ethyl Benzene	11.73	91	667788	54.643	ug/l	100
68) m/p-Xylenes	11.83	106	494336	112.064	ug/l	98
69) o-Xylene	12.16	106	231859	55.713	ug/l	98
70) Styrene	12.18	104	418576	56.919	ug/l	98
71) Bromoform	12.35	173	69419	51.511	ug/l #	99
73) Isopropylbenzene	12.46	105	673626	54.766	ug/l	99
74) N-amyl acetate	12.27	43	173617	44.469	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	112270	45.449	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	73842m	42.109	ug/l	
77) Bromobenzene	12.74	156	153818	55.197	ug/l	92
78) n-propylbenzene	12.80	91	793440	53.936	ug/l	99
79) 2-Chlorotoluene	12.89	91	452181	53.543	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	568842	54.883	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37218	44.889	ug/l	97
82) 4-Chlorotoluene	12.99	91	473087	52.960	ug/l	98
83) tert-Butylbenzene	13.21	119	505481	55.157	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	565996	54.195	ug/l	98
85) sec-Butylbenzene	13.38	105	689963	54.256	ug/l	99
86) p-Isopropyltoluene	13.50	119	635748	54.731	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	299754	54.726	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296619	54.422	ug/l	99
89) n-Butylbenzene	13.82	91	606255	53.760	ug/l	99
90) Hexachloroethane	14.09	117	110124	54.307	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	261351	53.012	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18858	41.716	ug/l	96

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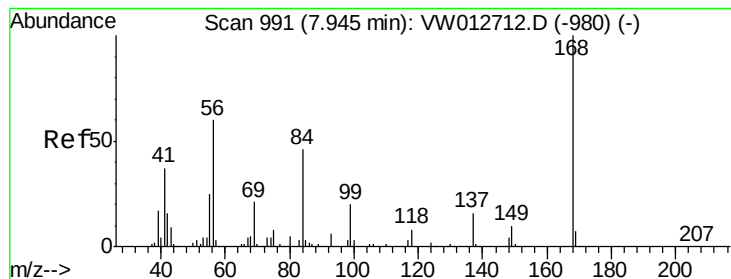
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	191447	55.777	ug/l	97
94) Hexachlorobutadiene	15.24	225	130366	54.873	ug/l	97
95) Naphthalene	15.36	128	306582	43.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	159403	52.612	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: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 265574

Ion Ratio Lower Upper

168 100

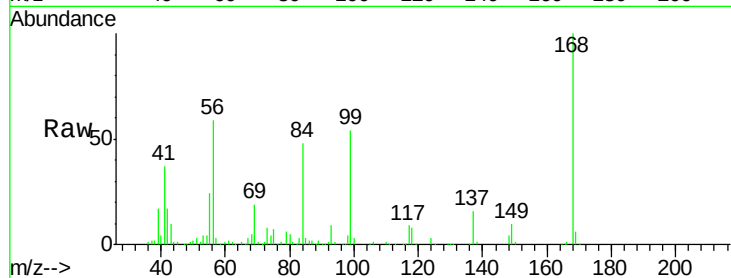
99 54.1 47.8 71.6

Manual Integrations

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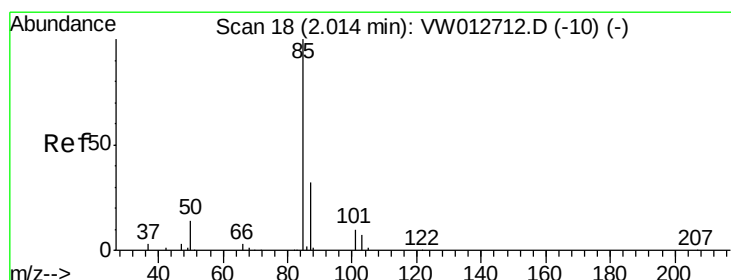
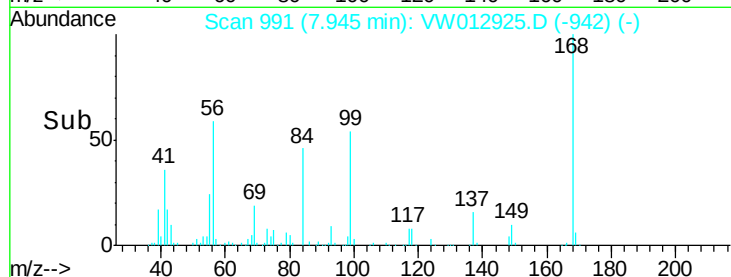
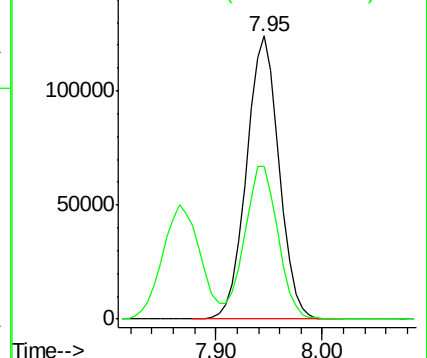
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 41.585 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012925.D

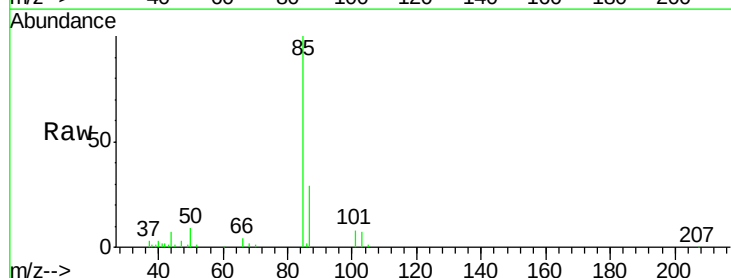
Acq: 11 Sep 2019 19:23

Tgt Ion: 85 Resp: 59872

Ion Ratio Lower Upper

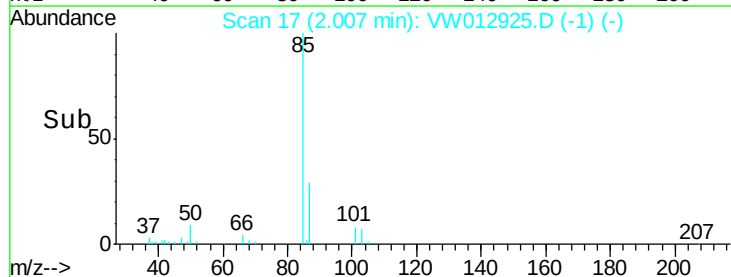
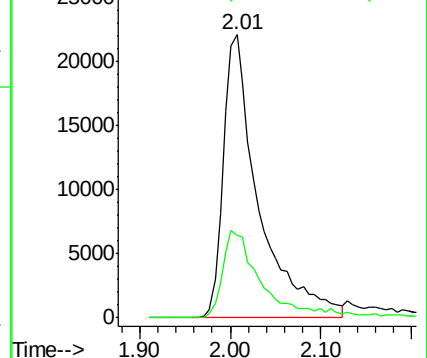
85 100

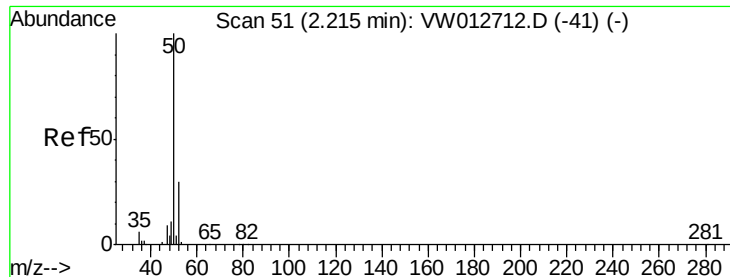
87 29.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.454 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 79532

Ion Ratio Lower Upper

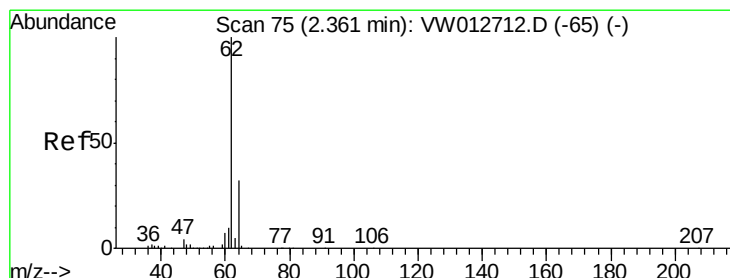
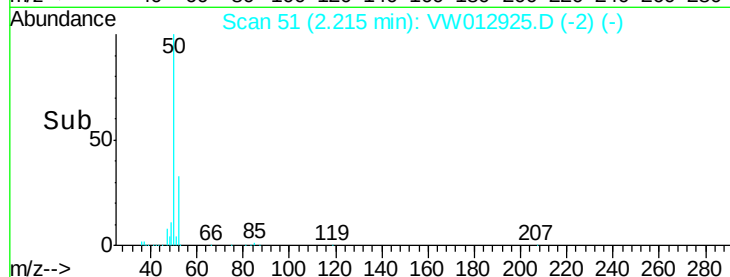
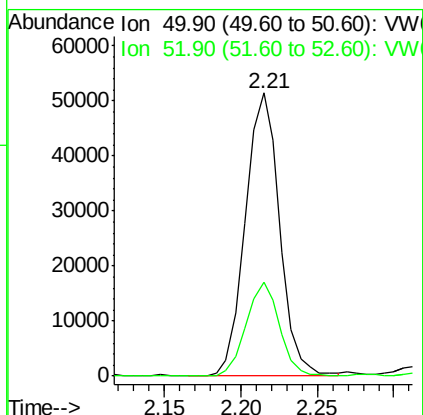
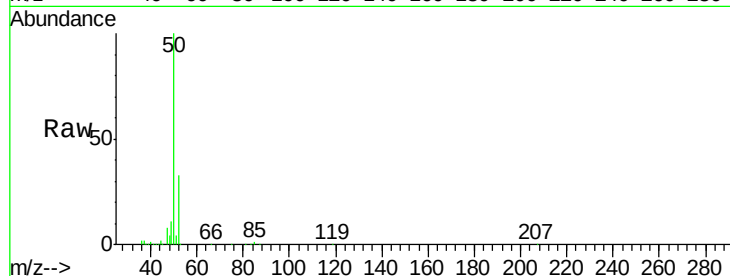
50 100

52 33.5 24.2 36.2

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#4

Vinyl Chloride

Concen: 51.575 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012925.D

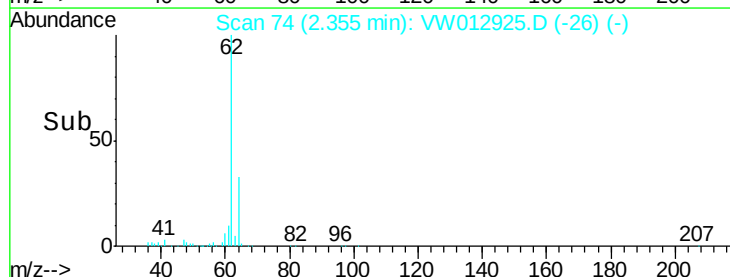
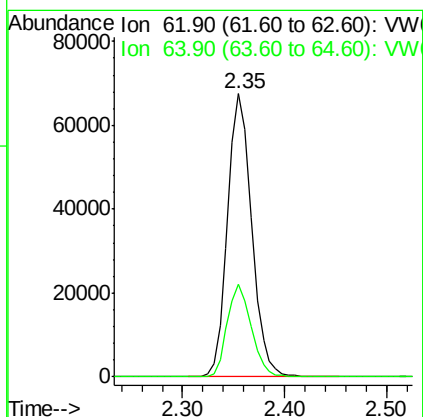
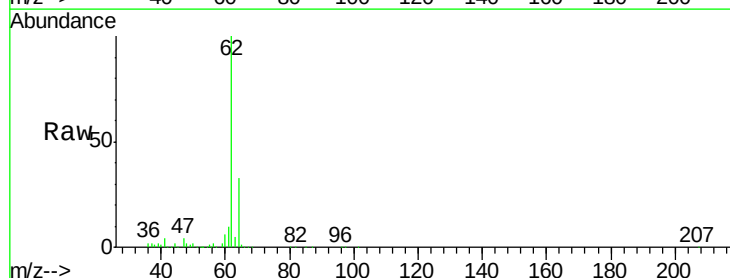
Acq: 11 Sep 2019 19:23

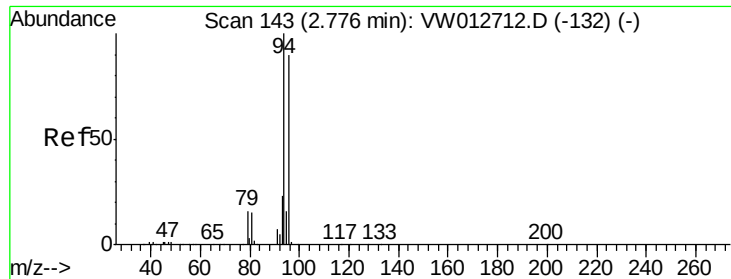
Tgt Ion: 62 Resp: 110648

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 52.981 ug/l m

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tot Ion: 94 Resp: 61722

Ion Ratio Lower Upper

94 100

96 95.5 72.1 108.1

Instrument :

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ClientSampleId :

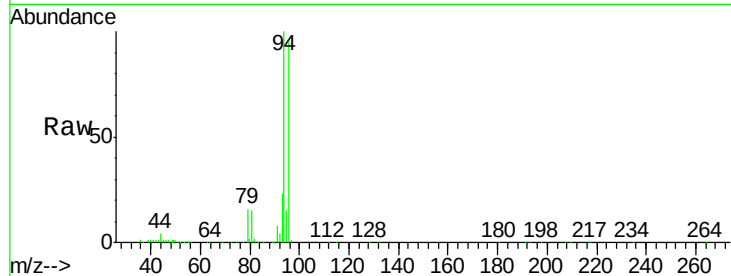
VSTDCCC050EC

Manual Integrations

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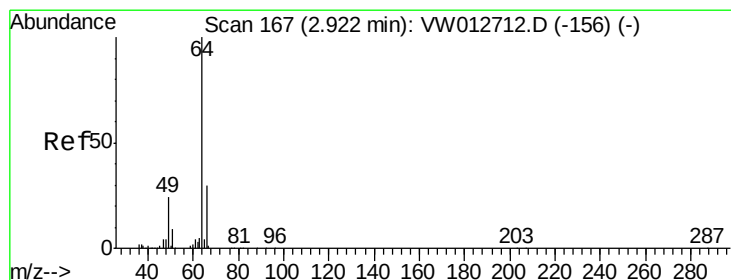
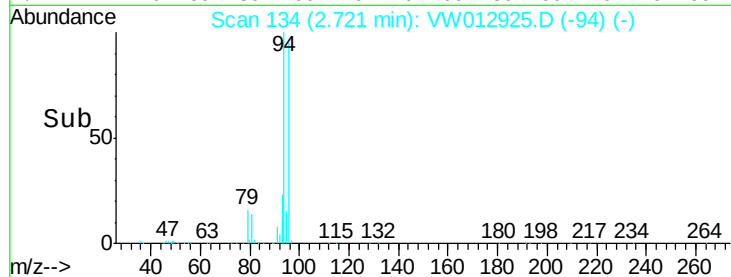
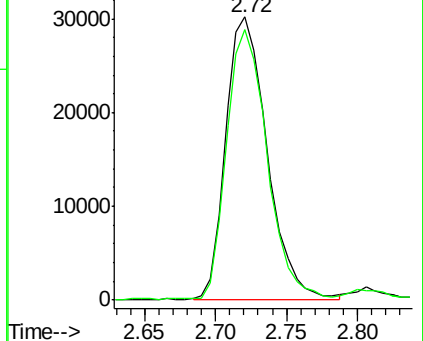
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9/13/2019 1:32:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 53.577 ug/l

RT: 2.89 min Scan# 161

Delta R.T. -0.04 min

Lab File: VW012925.D

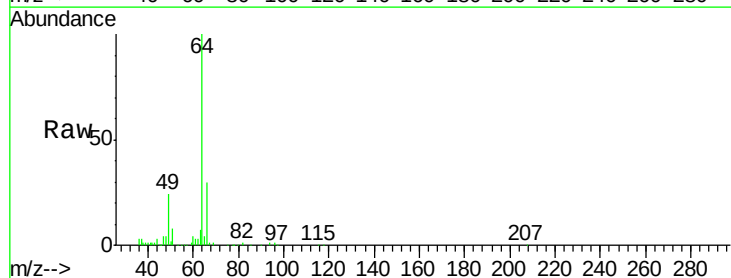
Acq: 11 Sep 2019 19:23

Tgt Ion: 64 Resp: 68591

Ion Ratio Lower Upper

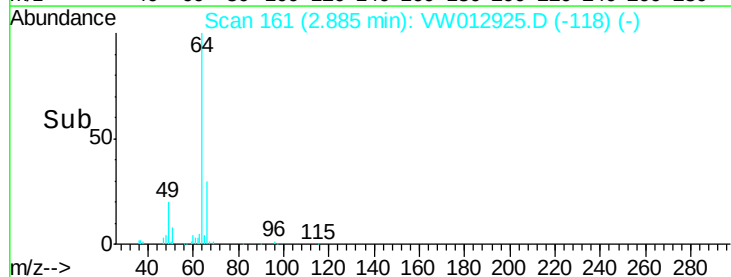
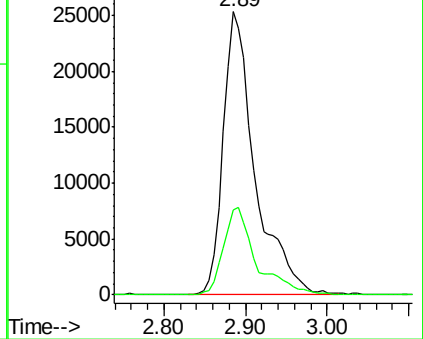
64 100

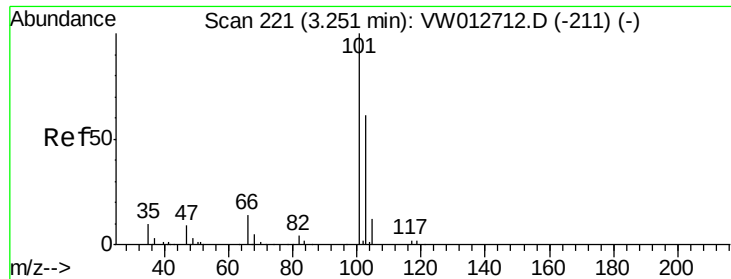
66 29.9 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

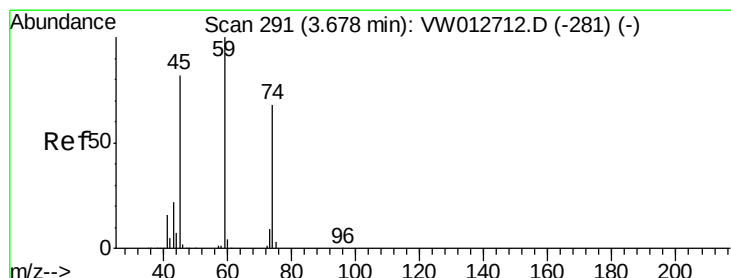
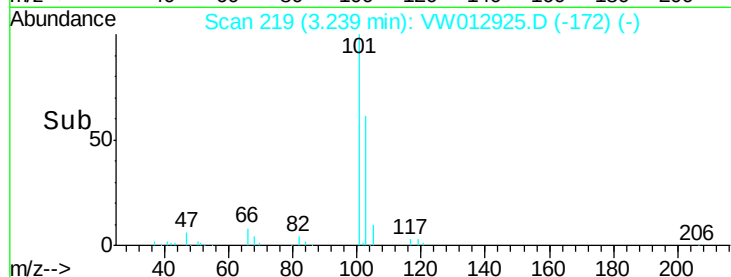
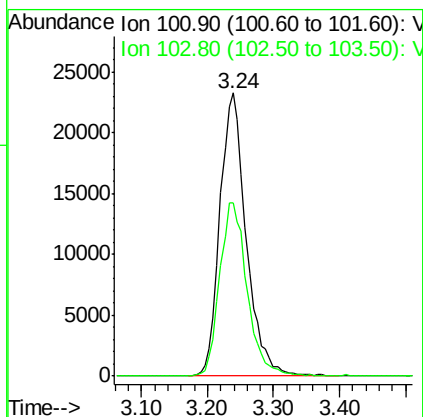
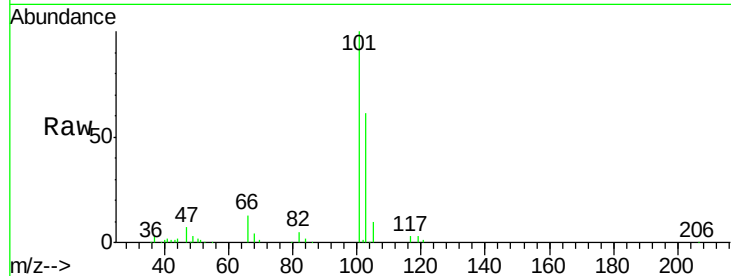
Trichlorofluoromethane
 Concen: 43.308 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	49.0	73.4

Manual Integrations
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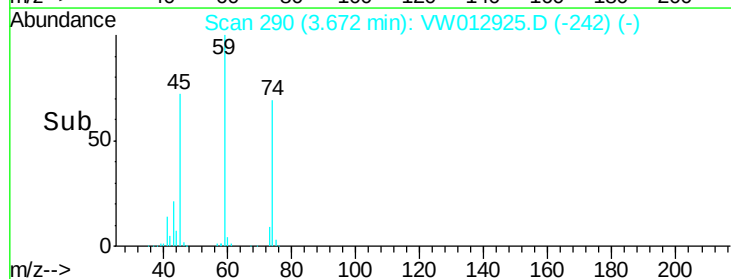
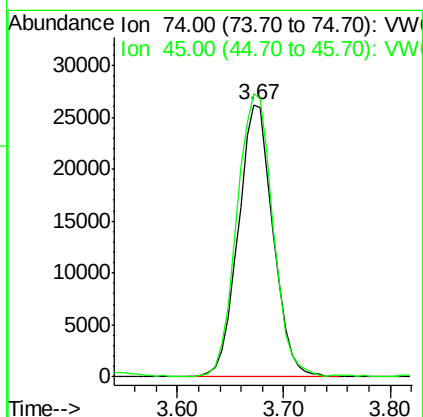
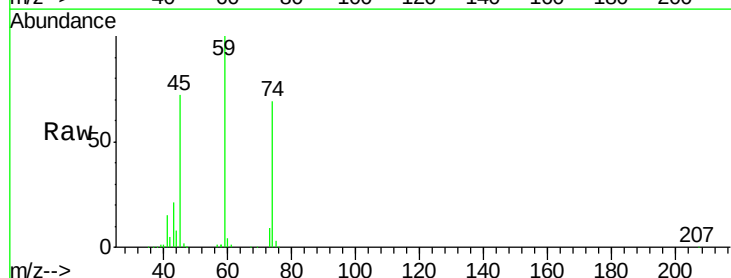
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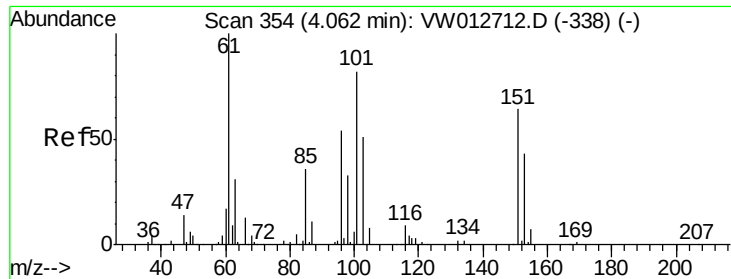


#8

Diethyl Ether
 Concen: 48.378 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.857 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

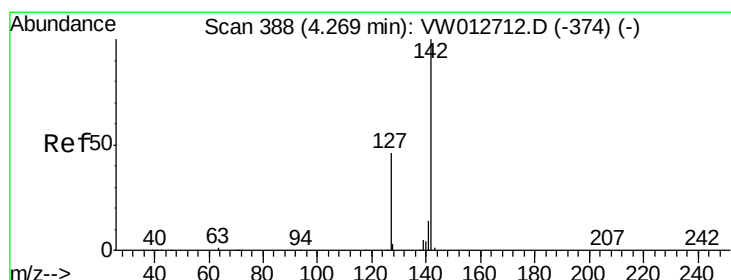
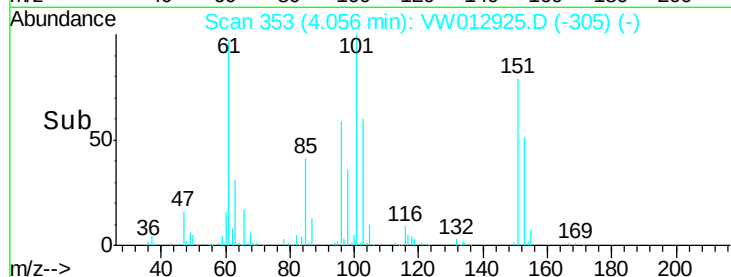
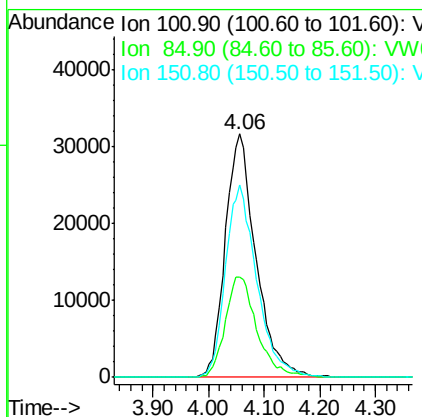
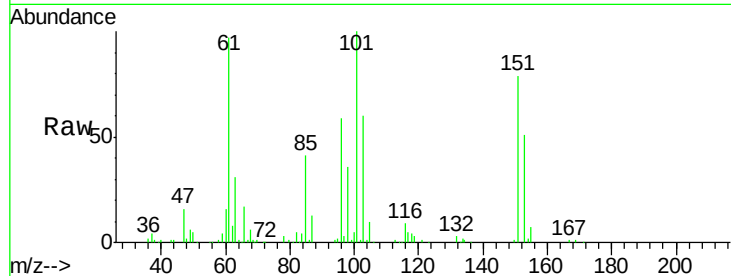
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	120479
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.2	54.2
151	80.6	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 53.208 ug/l

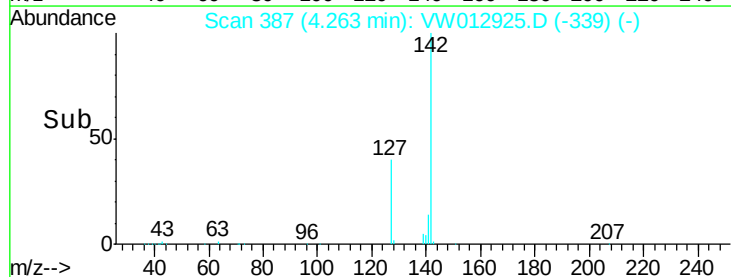
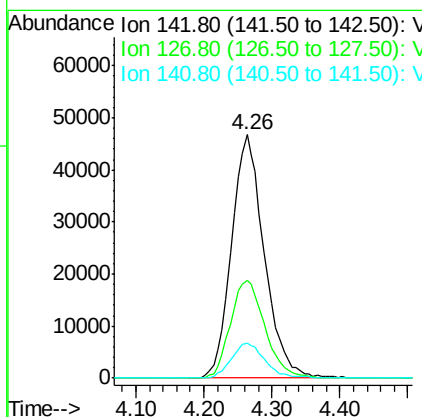
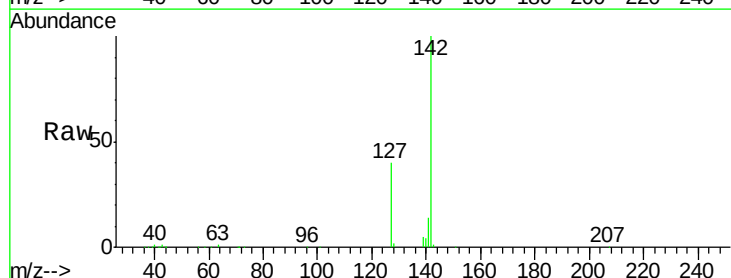
RT: 4.26 min Scan# 387

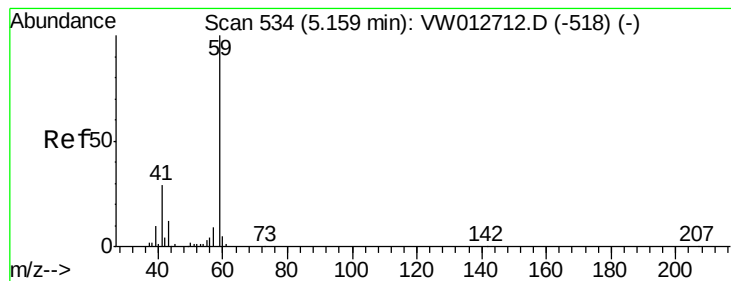
Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	142	Resp:	155619
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.0	54.0
141	14.9	12.2	18.4





#11

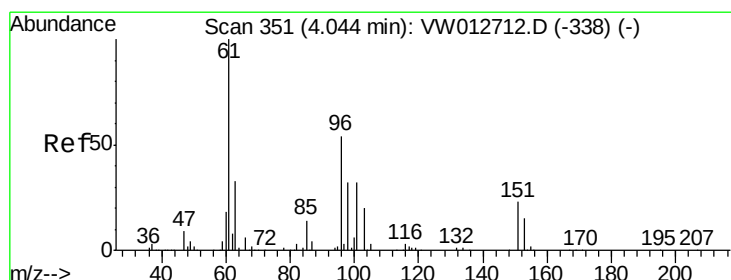
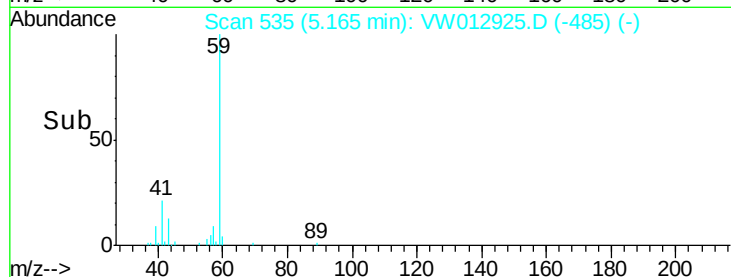
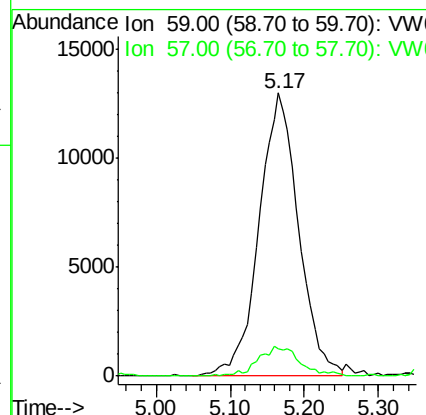
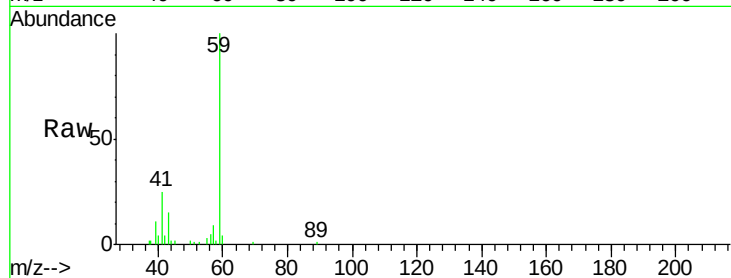
Tert butyl alcohol
Concen: 212.097 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.4

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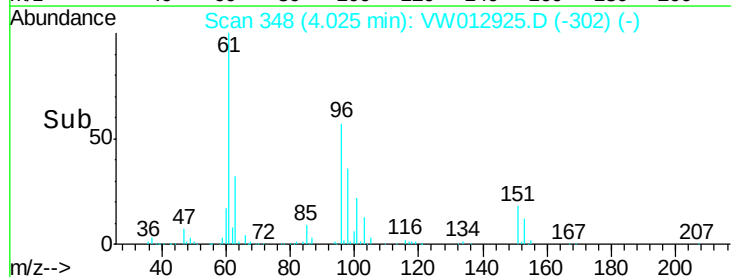
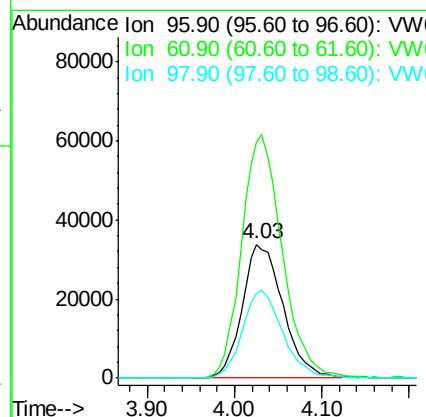
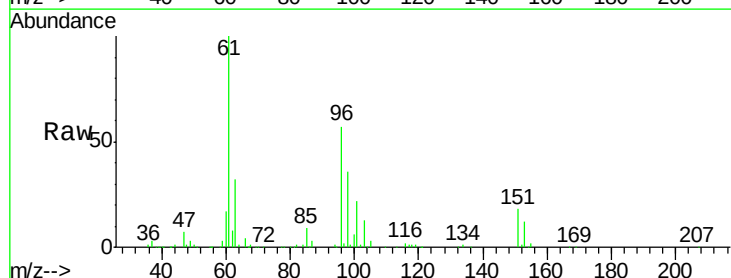
MMDadoda
9/13/2019 1:32:25 AM

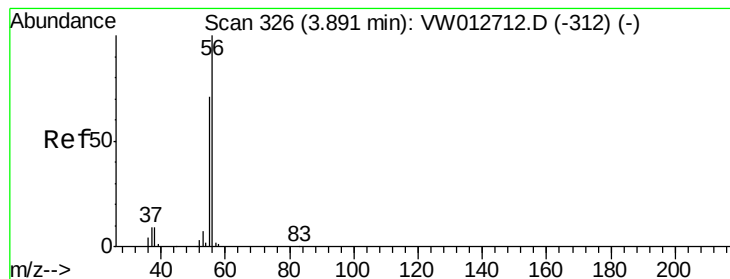


#12

1,1-Dichloroethene
Concen: 49.963 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.02 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	147.8	221.6
98	63.3	47.9	71.9





#13

Acrolein

Concen: 180.530 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43494

Ion Ratio Lower Upper

56 100

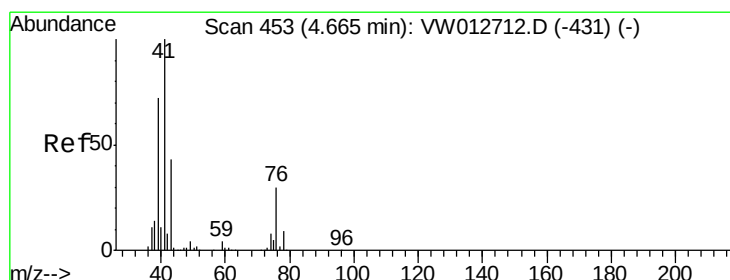
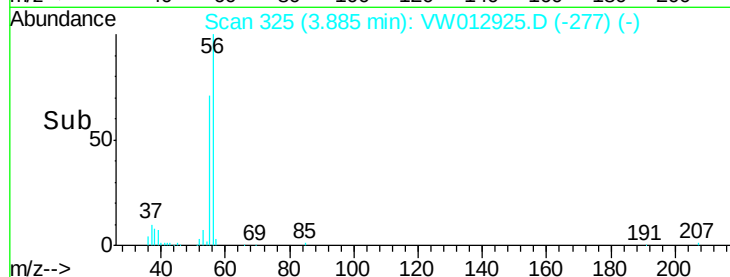
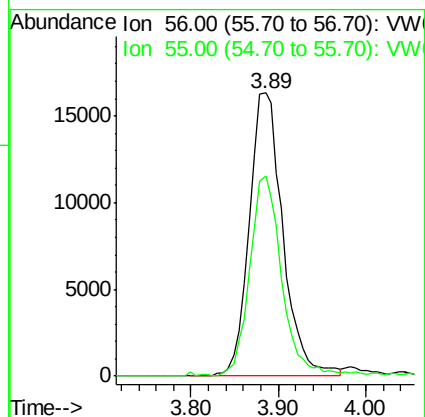
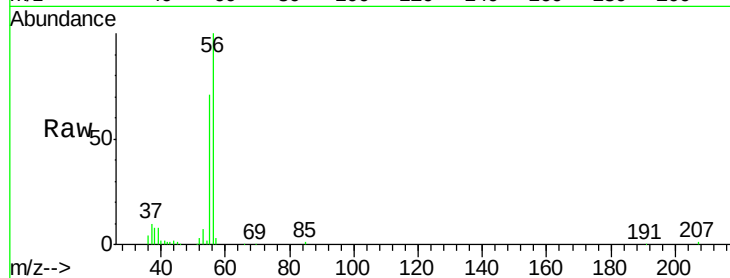
55 65.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 46.204 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

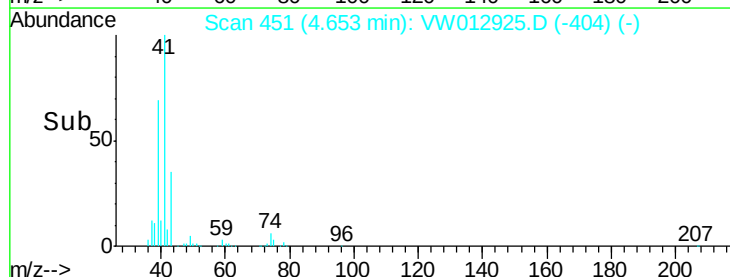
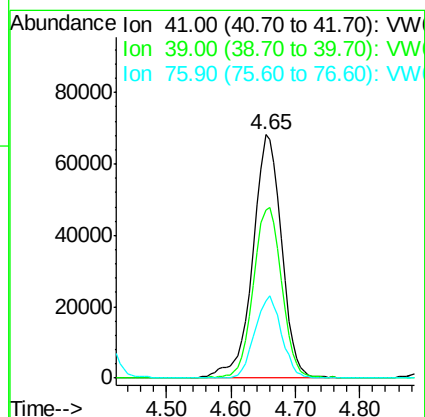
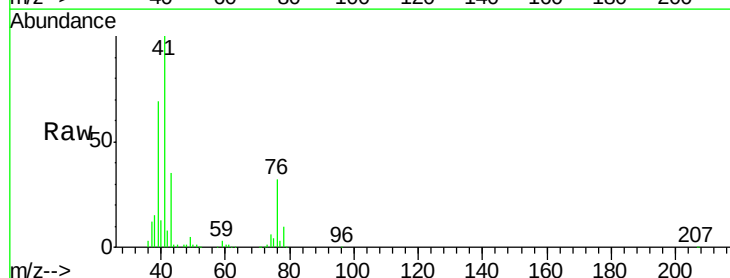
Tgt Ion: 41 Resp: 209624

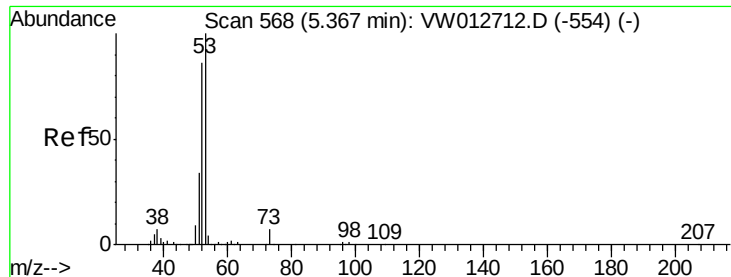
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.6

76 31.4 23.0 34.4





#15

Acrylonitrile

Concen: 212.444 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

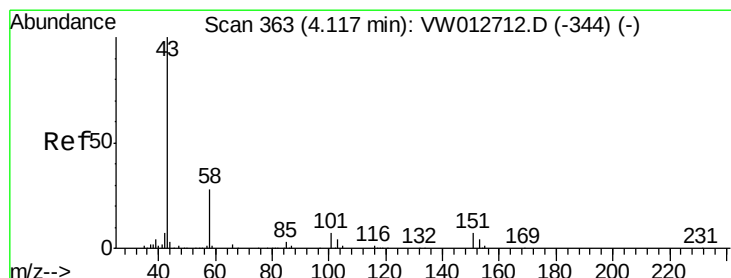
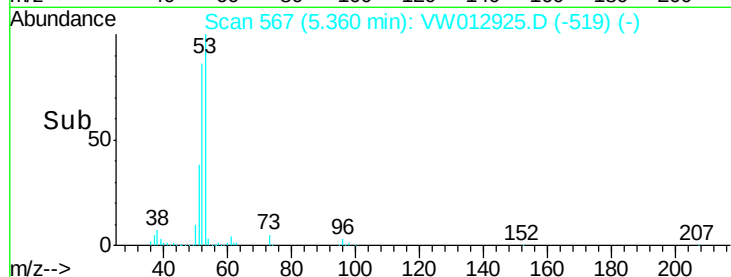
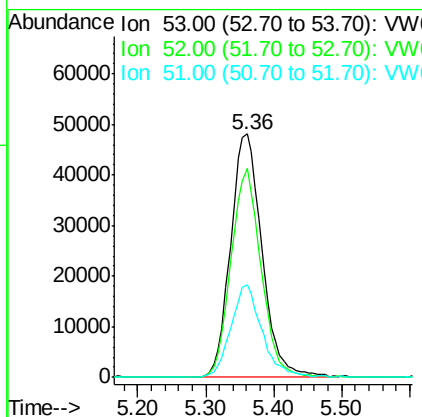
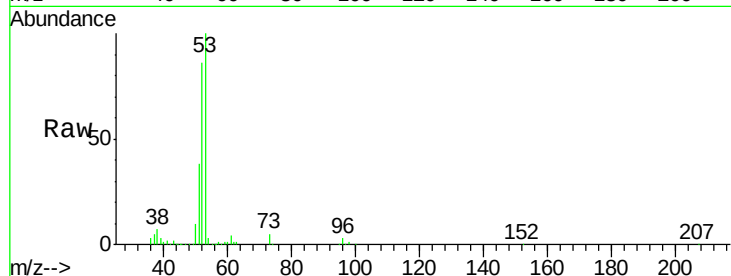
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	154396
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.0	100.4
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 165.058 ug/l

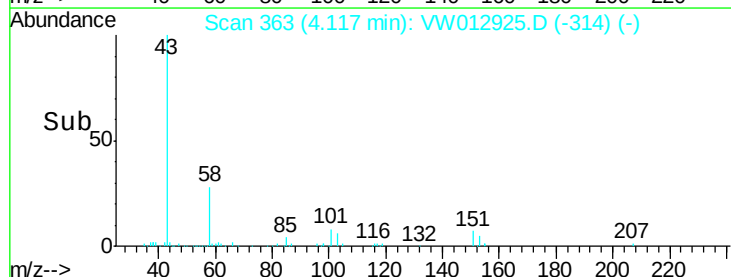
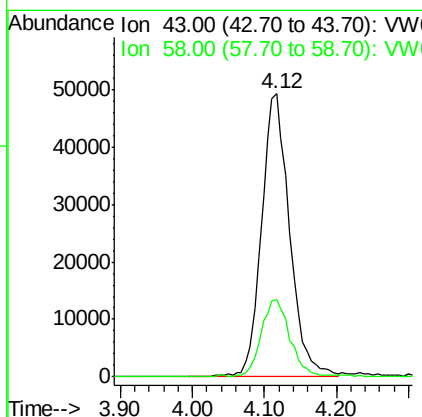
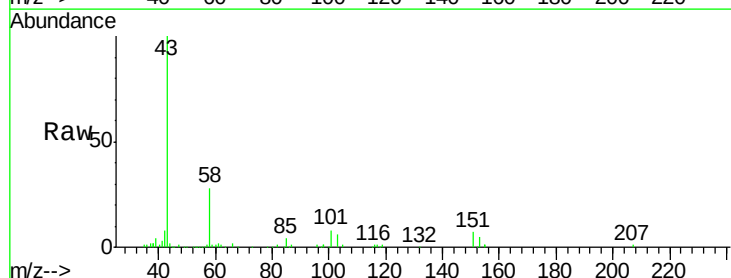
RT: 4.12 min Scan# 363

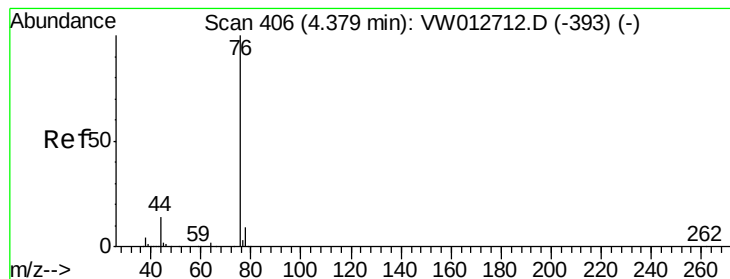
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	43	Resp:	133525
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.6	33.8





#17

Carbon Disulfide

Concen: 45.762 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 213038

Ion Ratio Lower Upper

76 100

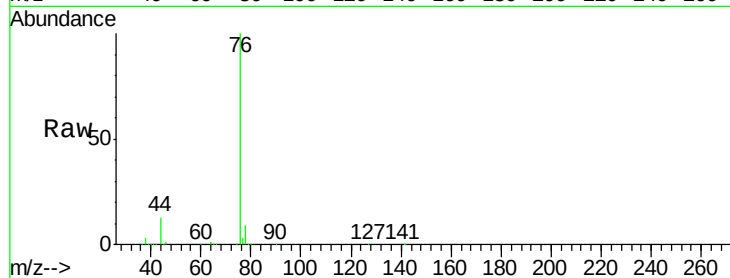
78 8.9 7.2 10.8

Manual Integrations

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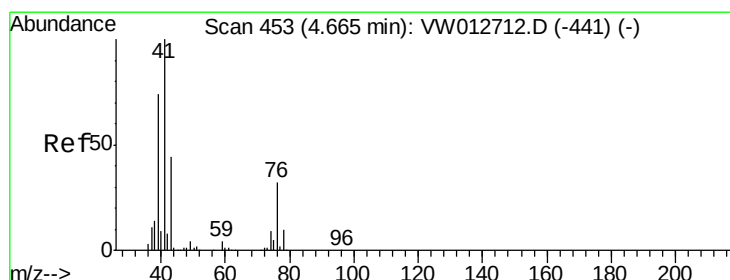
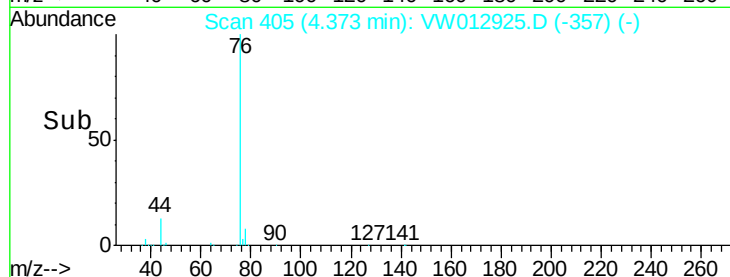
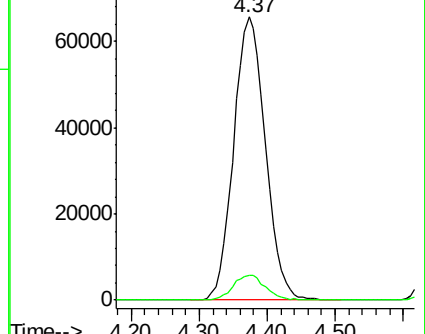
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9/13/2019 1:32:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 40.127 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012925.D

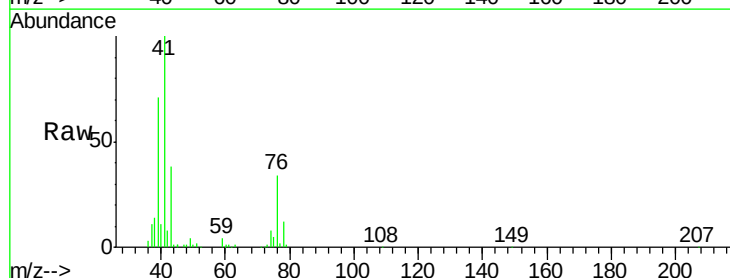
Acq: 11 Sep 2019 19:23

Tgt Ion: 43 Resp: 76159

Ion Ratio Lower Upper

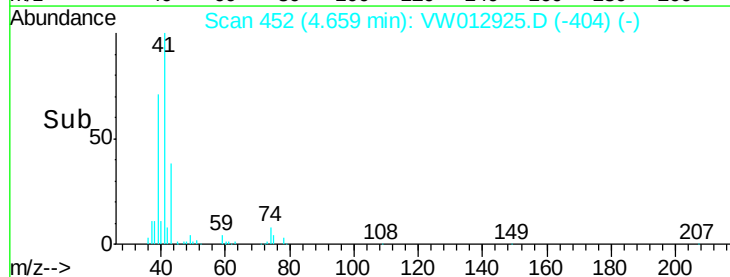
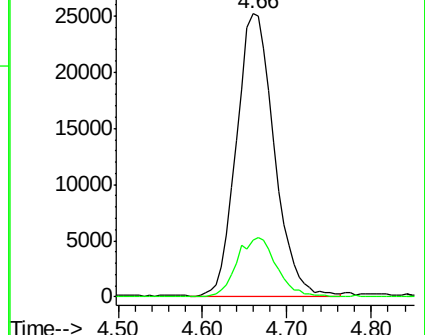
43 100

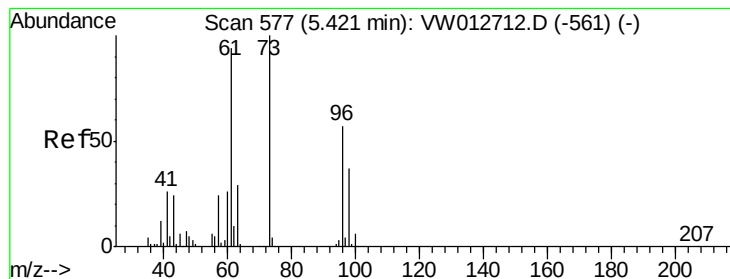
74 22.1 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

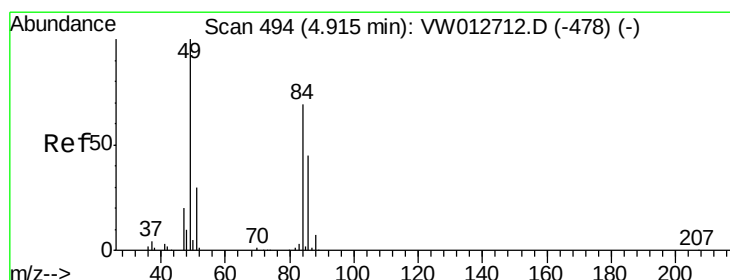
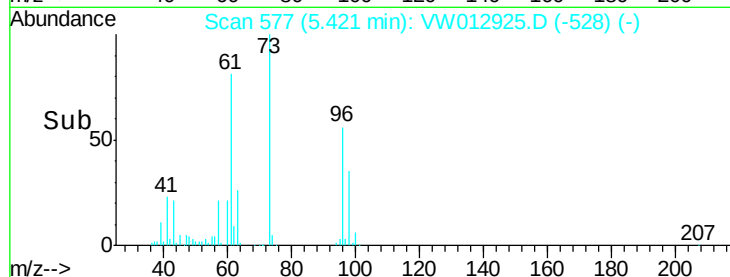
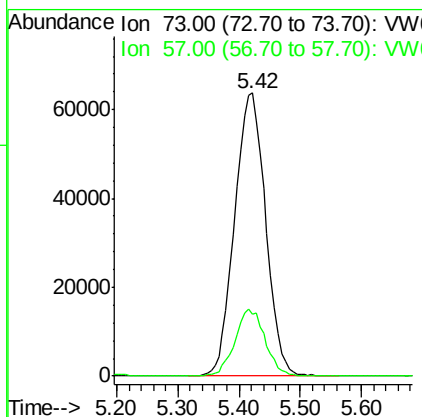
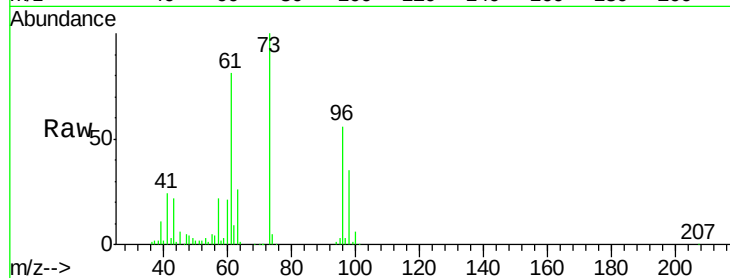
Methyl tert-butyl Ether
 Concen: 51.296 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	19.2	28.8

Manual Integrations
 APPROVED

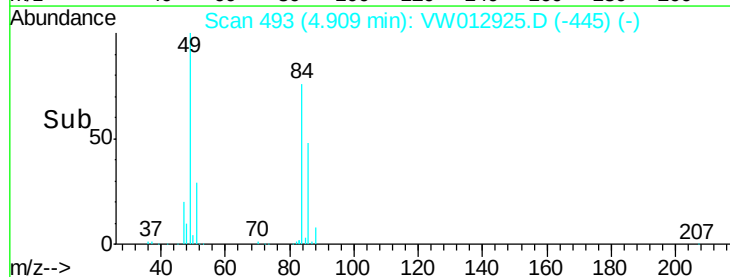
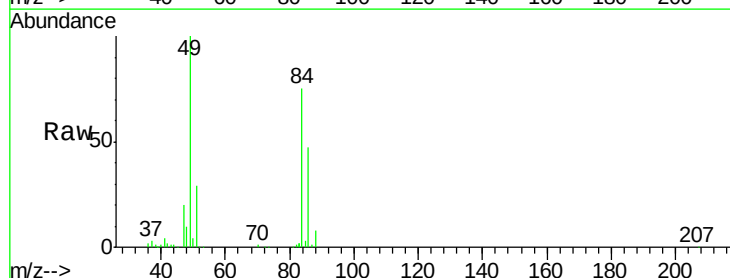
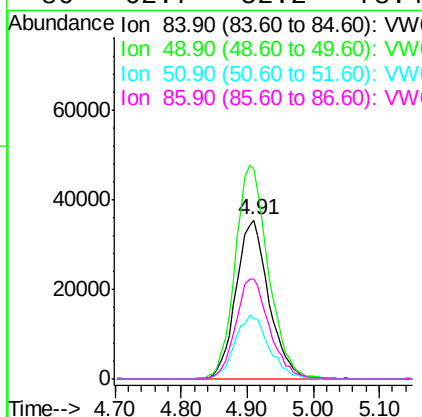
MMDadoda
 9/13/2019 1:32:25 AM

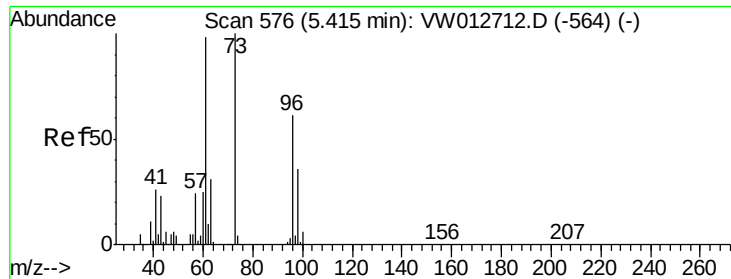


#20

Methylene Chloride
 Concen: 48.556 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.5	115.4	173.0
51	38.0	34.9	52.3
86	62.7	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 51.435 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

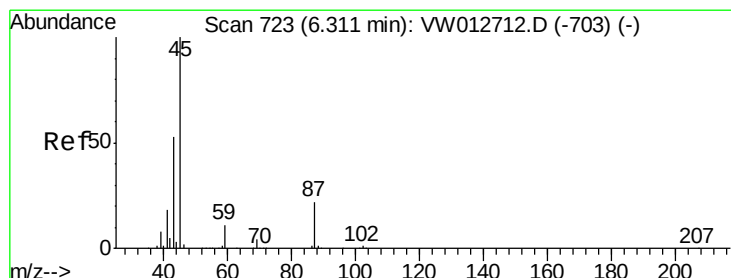
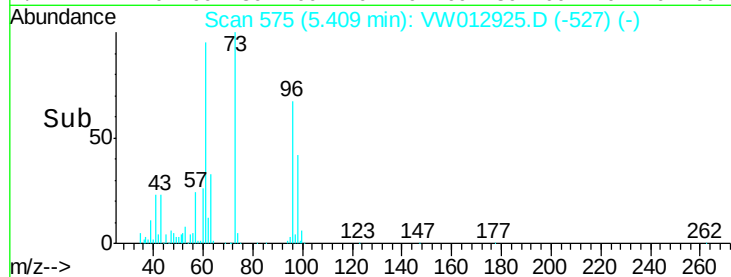
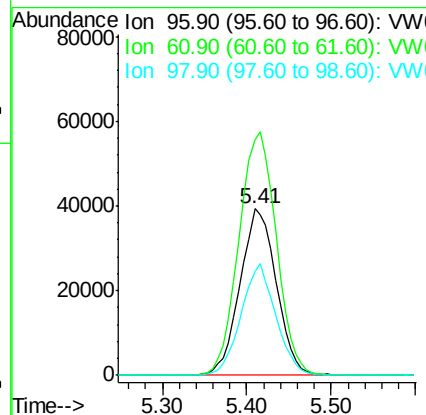
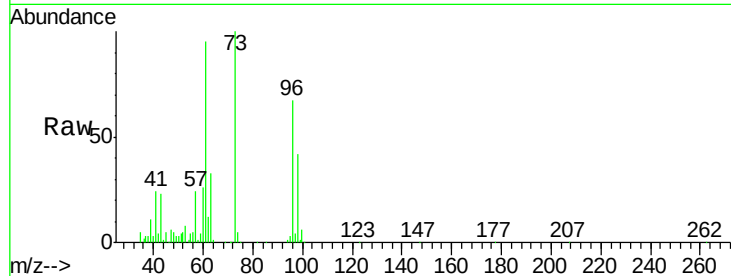
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	115102
Ion	Ratio	Lower	Upper
96	100		
61	141.8	129.2	193.8
98	62.4	48.0	72.0

Manual Integrations
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9/13/2019 1:32:25 AM



#22

Diisopropyl ether

Concen: 50.630 ug/l

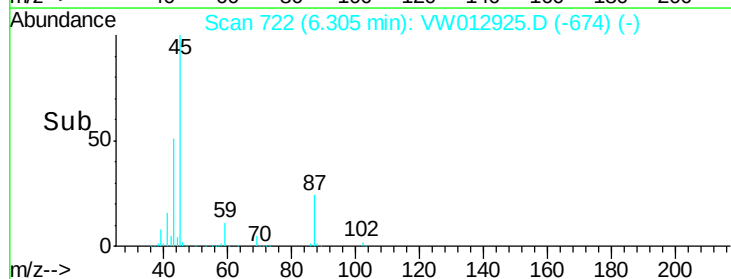
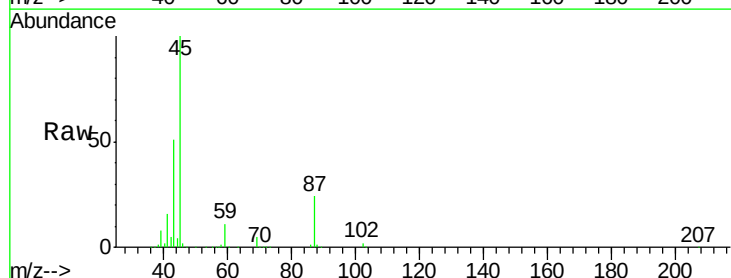
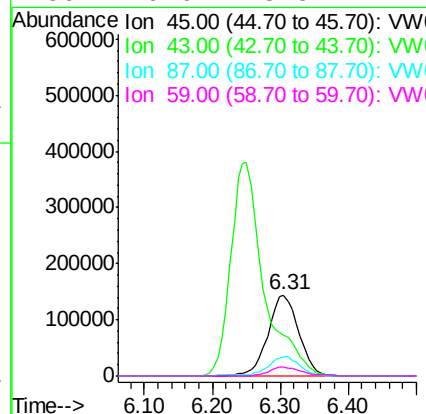
RT: 6.31 min Scan# 722

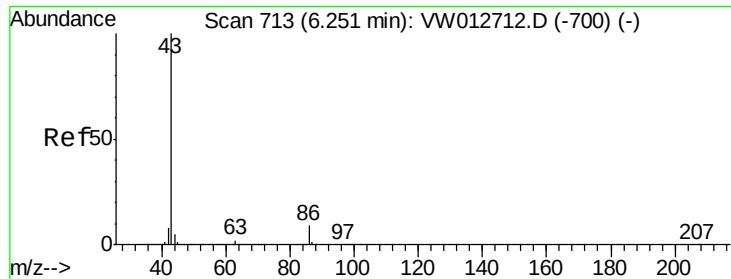
Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	45	Resp:	455584
Ion	Ratio	Lower	Upper
45	100		
43	50.9	42.3	63.5
87	23.6	18.2	27.2
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 226.237 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tot Ion: 43 Resp: 1290146

Ion Ratio Lower Upper

43 100

86 9.8 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

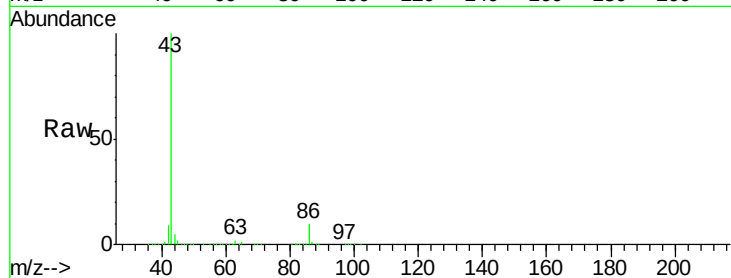
VSTDCCC050EC

Manual Integrations

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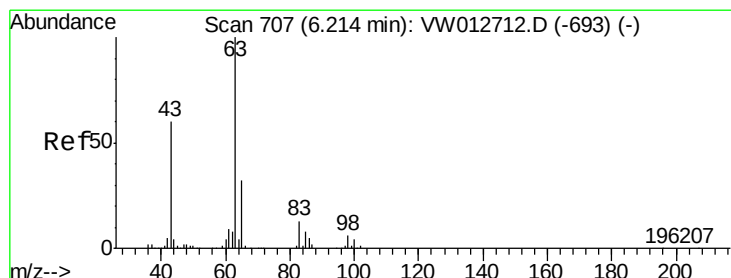
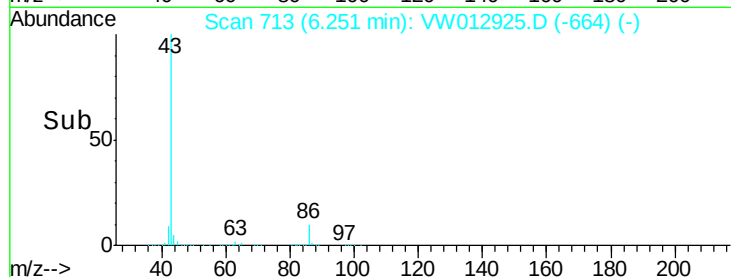
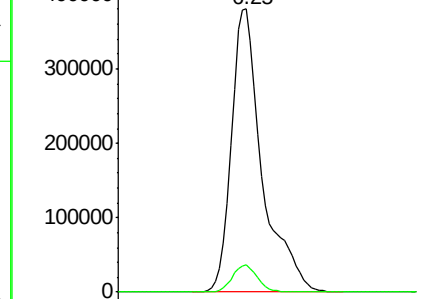
MMDadoda

9/13/2019 1:32:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.668 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

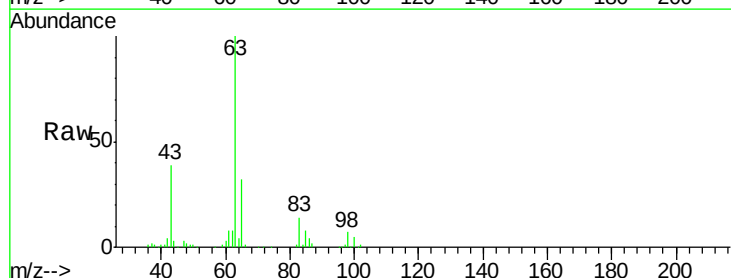
Tgt Ion: 63 Resp: 245488

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

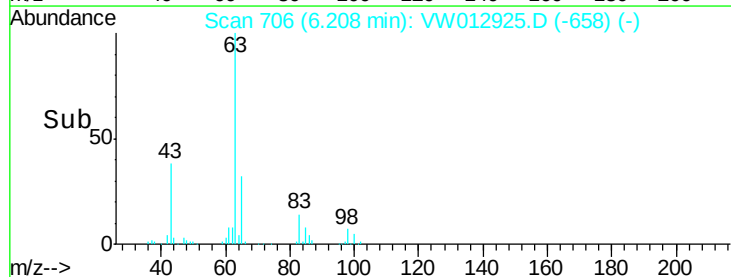
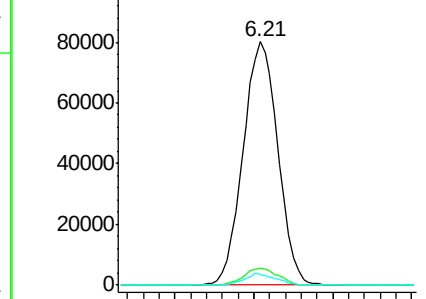
100 4.6 1.8 5.5

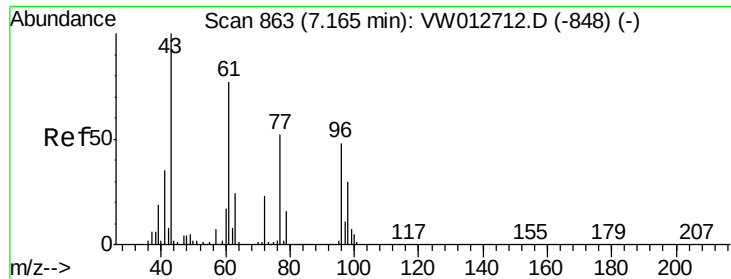


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 176.730 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 203048

Ion Ratio Lower Upper

43 100

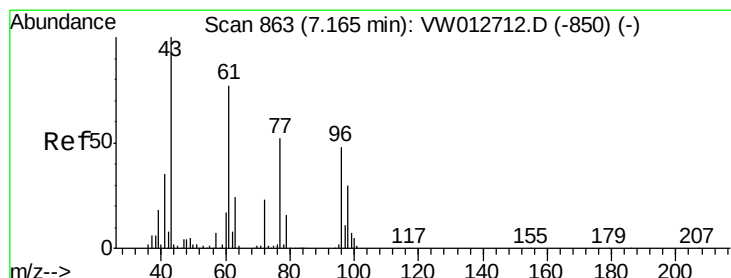
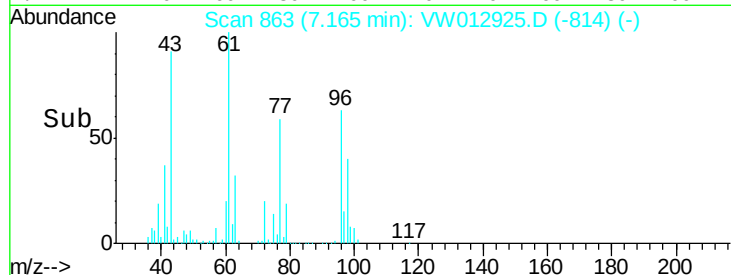
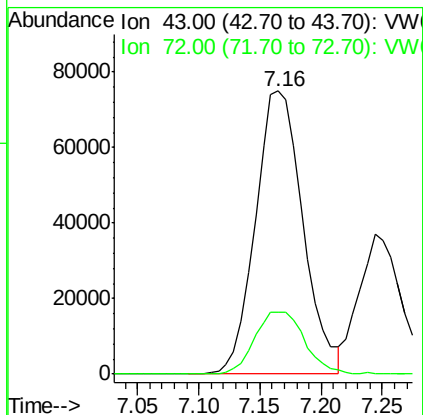
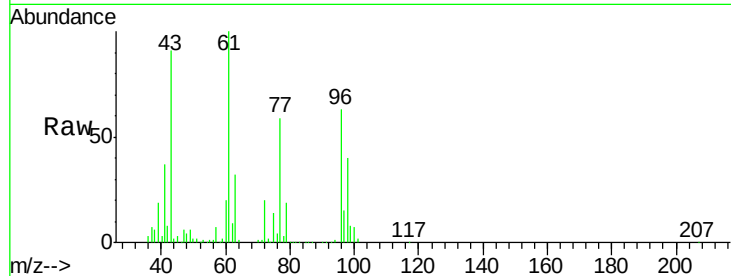
72 22.1 18.0 27.0

Manual Integrations

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MMDadoda

9/13/2019 1:32:25 AM



#26

2,2-Dichloropropane

Concen: 48.010 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012925.D

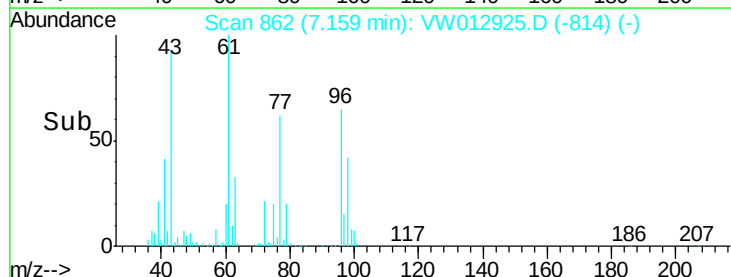
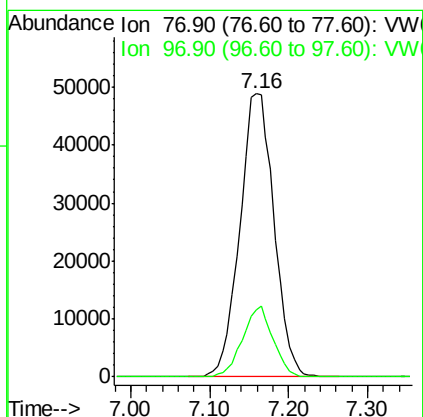
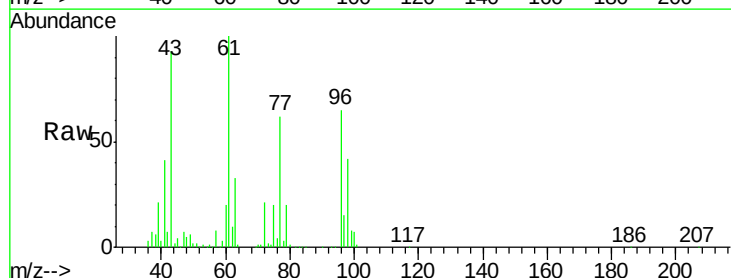
Acq: 11 Sep 2019 19:23

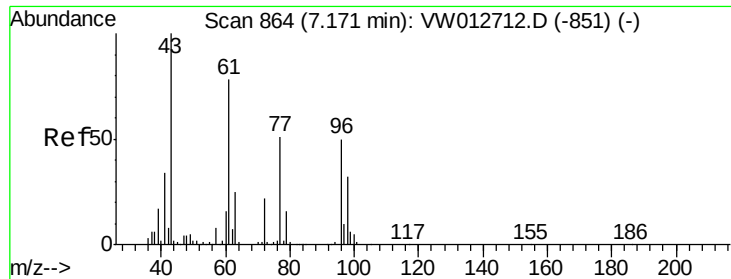
Tgt Ion: 77 Resp: 146915

Ion Ratio Lower Upper

77 100

97 22.4 10.7 32.1





#27

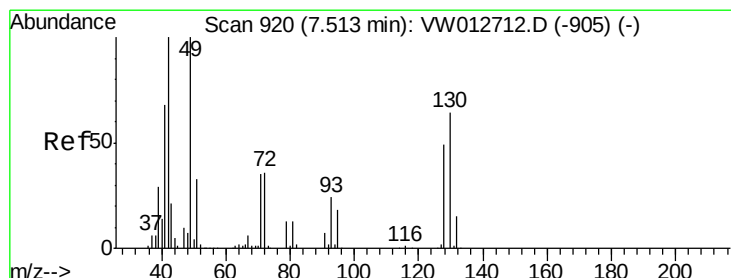
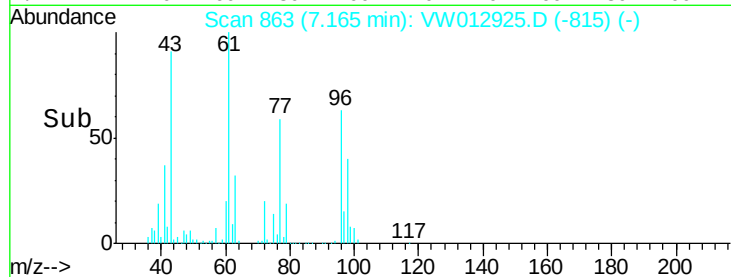
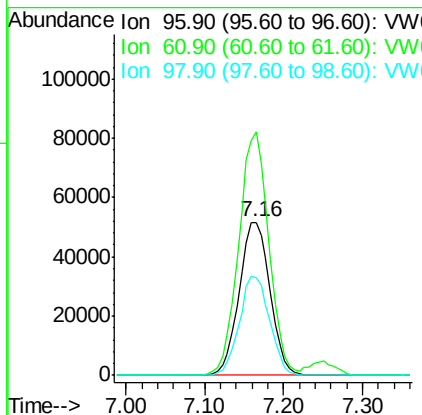
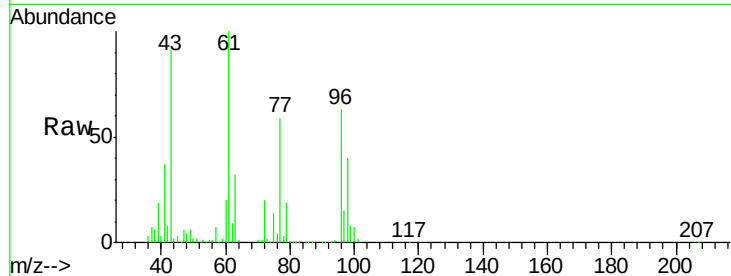
cis-1,2-Dichloroethene
 Concen: 54.269 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.8	0.0	325.8	
98	63.6	0.0	127.0	

Manual Integrations
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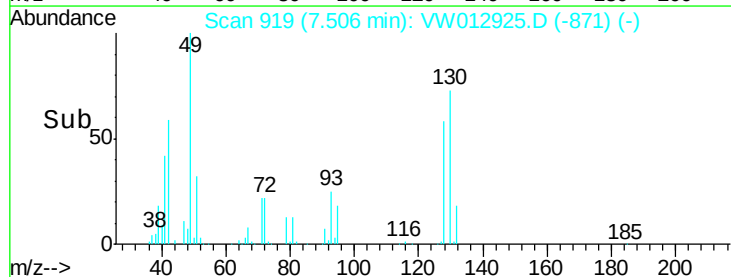
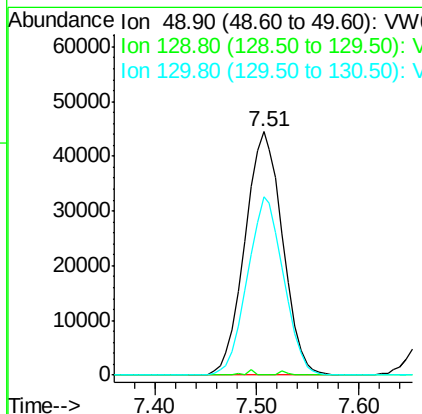
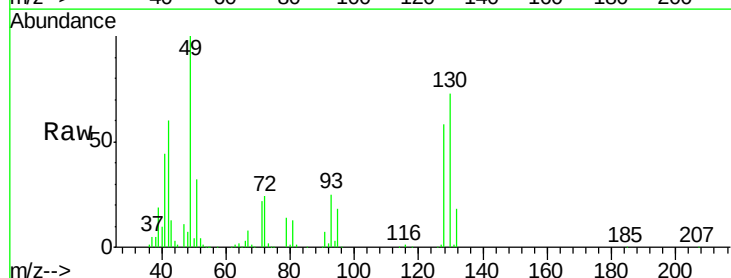
MMDadoda
 9/13/2019 1:32:25 AM

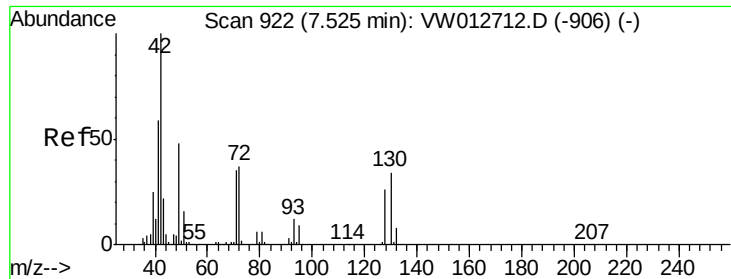


#28

Bromochloromethane
 Concen: 51.403 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.5	0.0	0.8	
130	70.4	49.8	74.8	





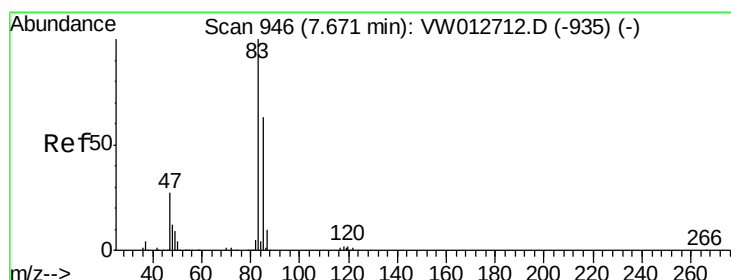
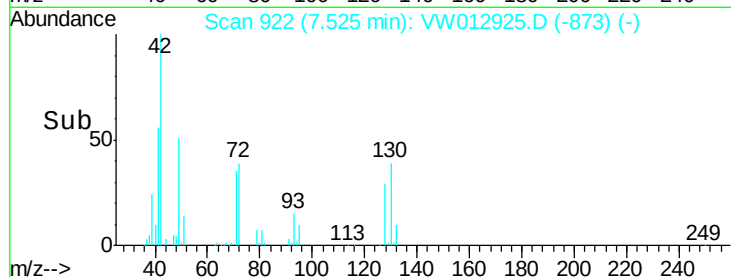
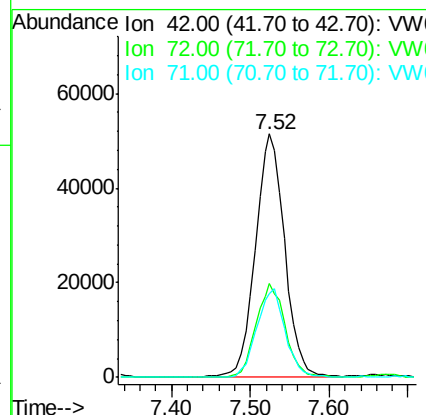
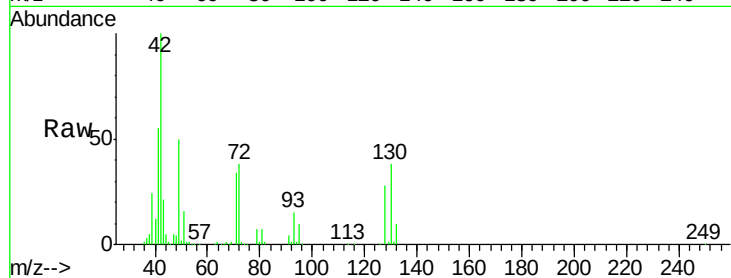
#29
Tetrahydrofuran
Concen: 203.250 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	28.4	42.6
71	35.4	27.1	40.7

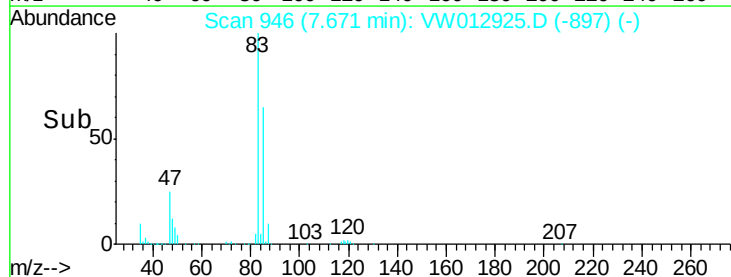
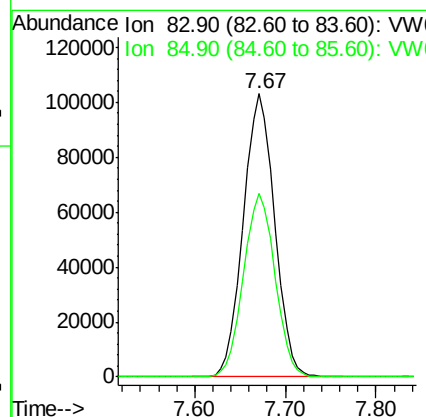
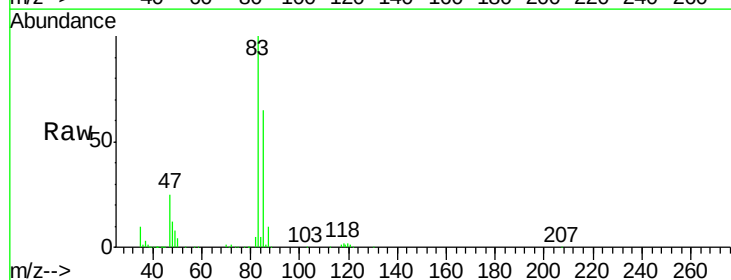
Manual Integrations
APPROVED

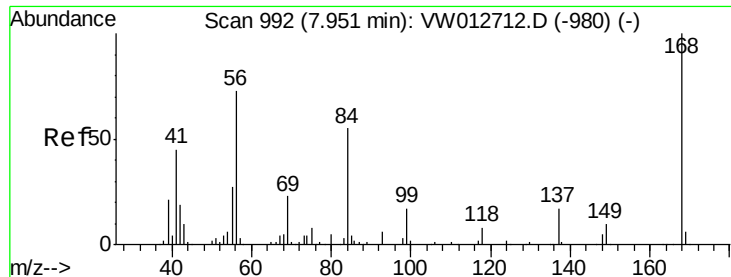
MMDadoda
9/13/2019 1:32:25 AM



#30
Chloroform
Concen: 51.449 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





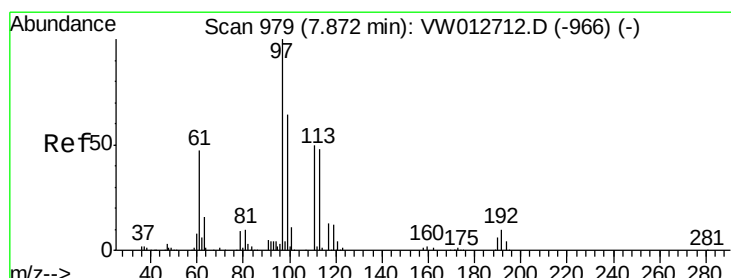
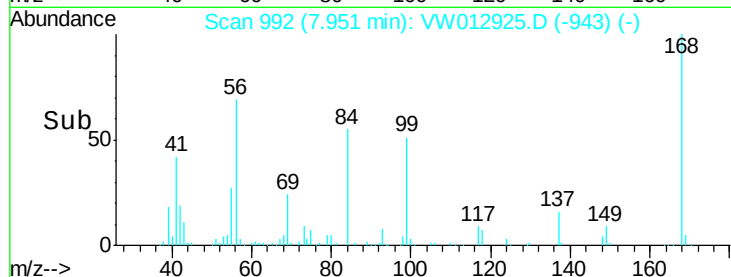
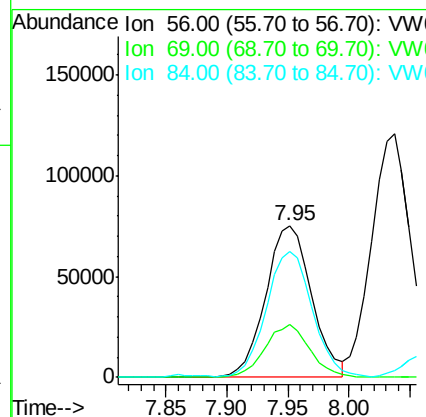
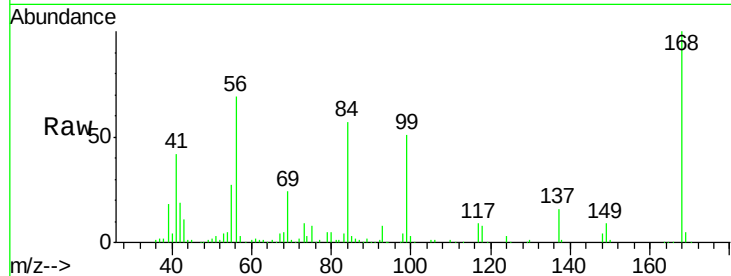
#31
Cyclohexane
Concen: 45.234 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.7	38.5
84	81.1	60.4	90.6

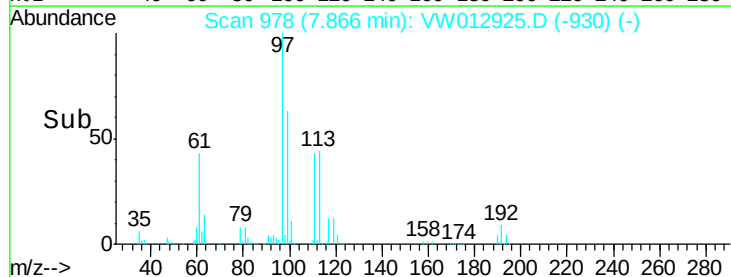
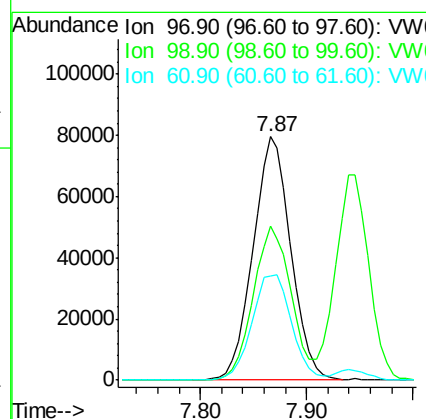
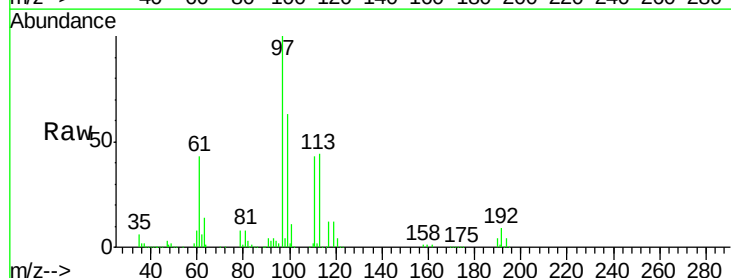
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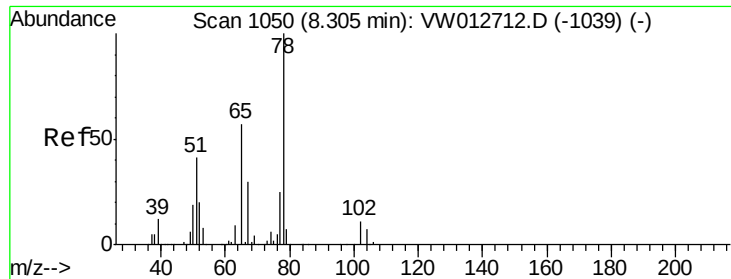
MMDadoda
9/13/2019 1:32:25 AM



#32
1,1,1-Trichloroethane
Concen: 50.760 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.5	77.3
61	45.6	37.9	56.9





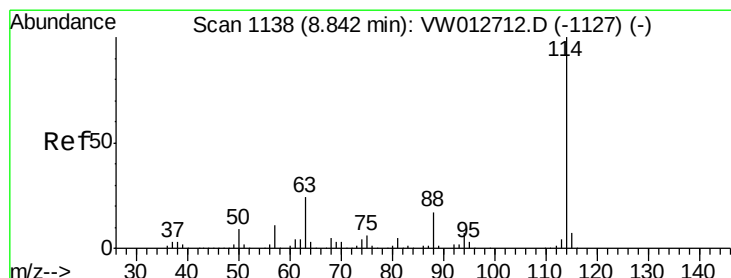
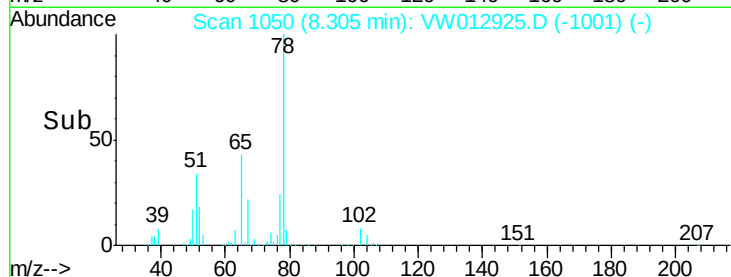
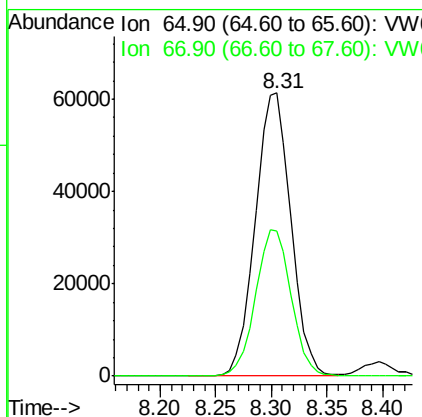
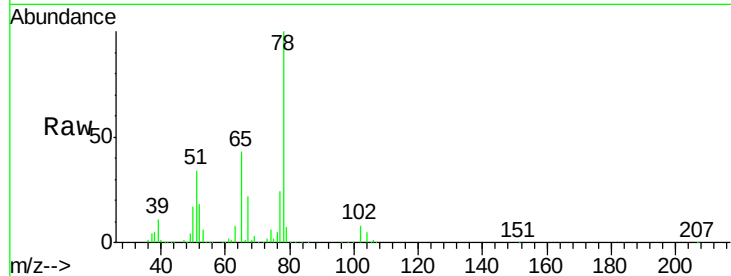
#33
 1,2-Dichloroethane-d4
 Concen: 46.078 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136730		
67	51.7	0.0	101.8	

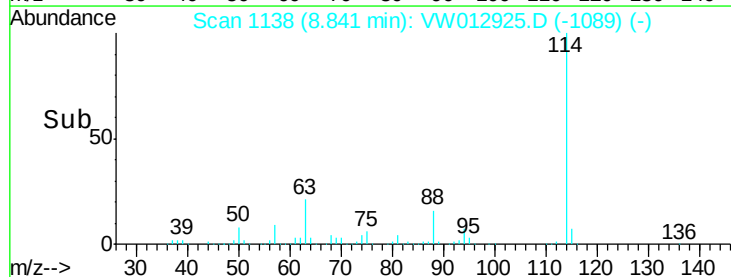
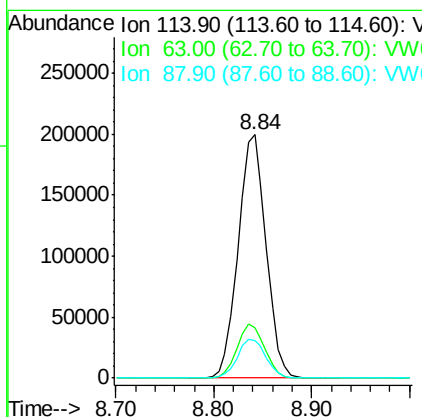
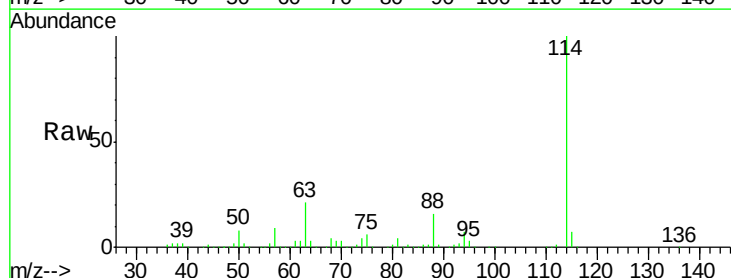
Manual Integrations
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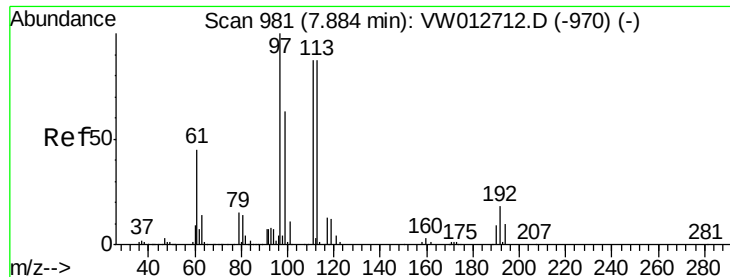
MMDadoda
 9/13/2019 1:32:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	393762		
63	20.6	0.0	47.2	
88	15.6	0.0	34.0	





#35

Dibromofluoromethane

Concen: 50.983 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

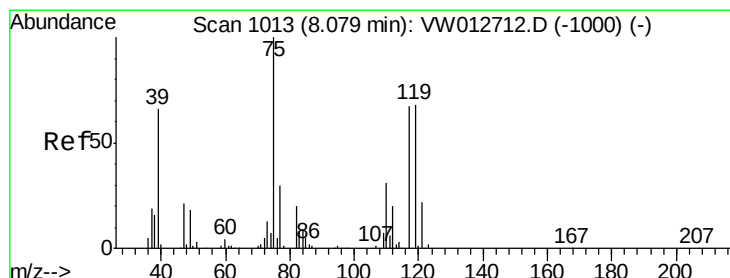
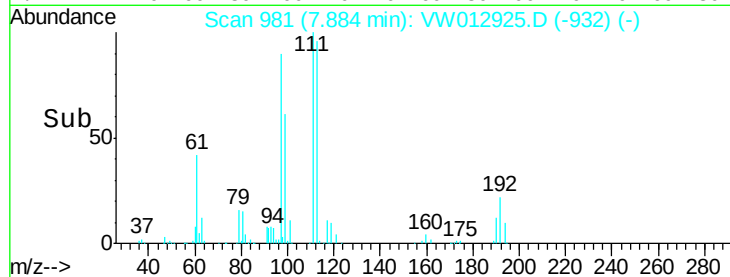
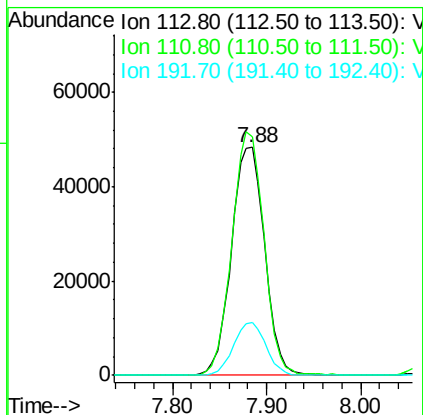
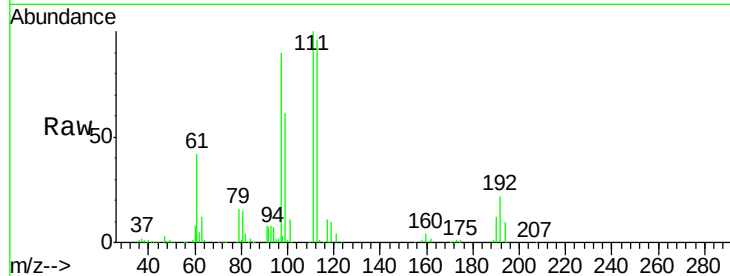
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	119352
Ion Ratio	Lower	Upper	
113	100		
111	102.6	80.2	120.4
192	22.4	17.3	25.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:32:25 AM



#36

1,1-Dichloropropene

Concen: 50.866 ug/l

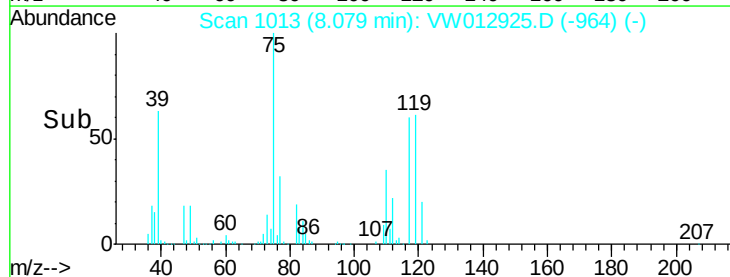
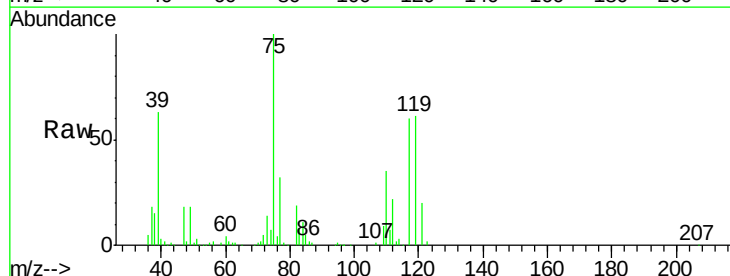
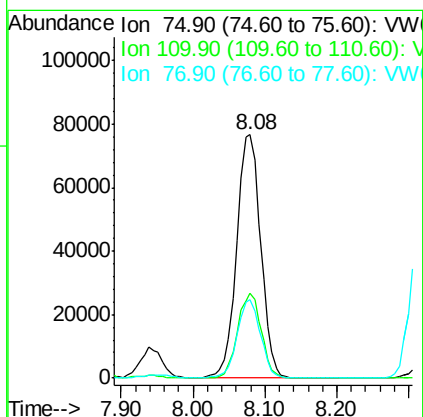
RT: 8.08 min Scan# 1013

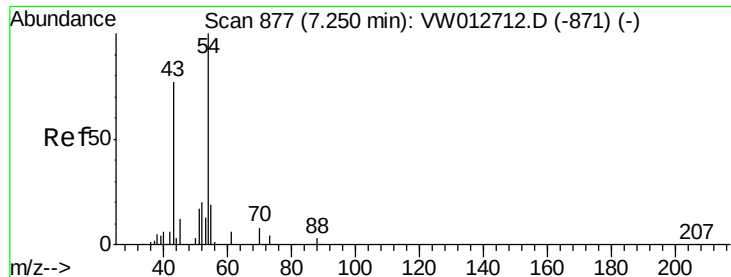
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	75	Resp:	177965
Ion Ratio	Lower	Upper	
75	100		
110	34.2	15.9	47.7
77	31.4	25.0	37.4





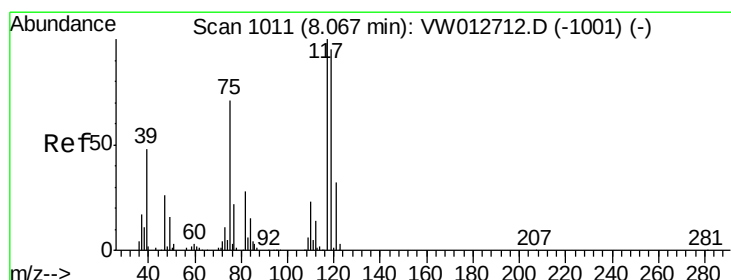
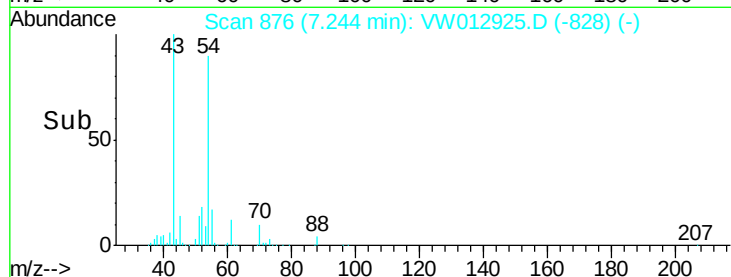
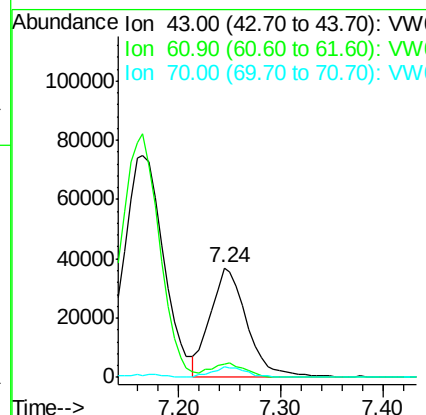
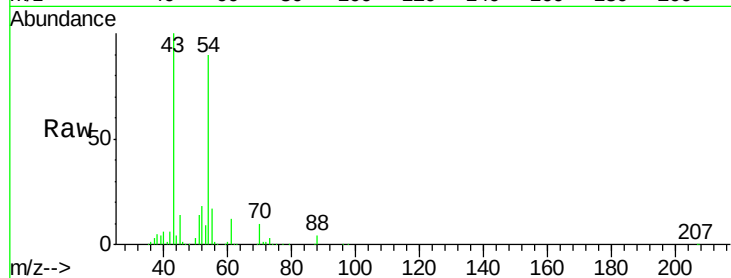
#37
Ethyl Acetate
Concen: 40.936 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.5	14.3
70	9.5	7.0	10.6

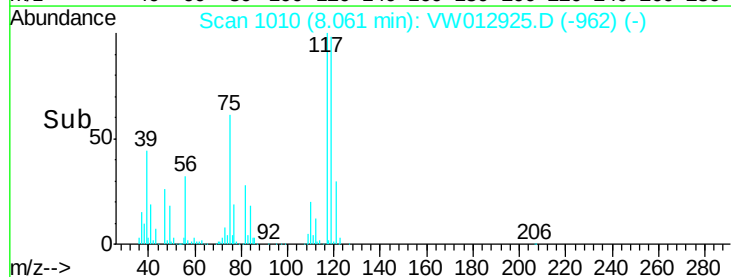
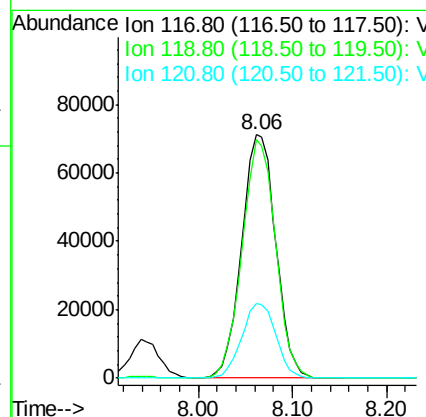
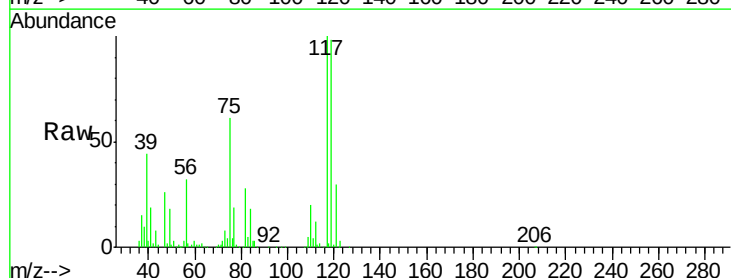
Manual Integrations
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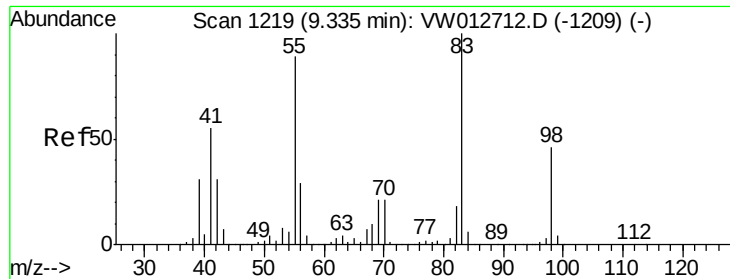
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.805 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.2	114.2
121	30.5	25.4	38.2





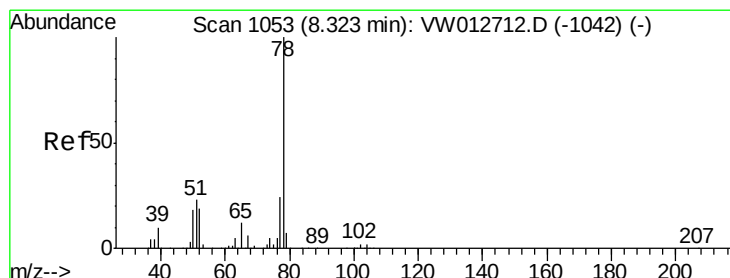
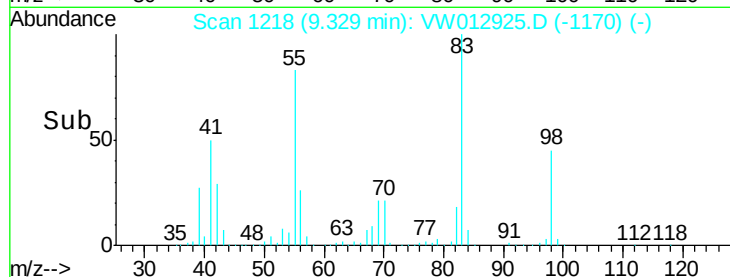
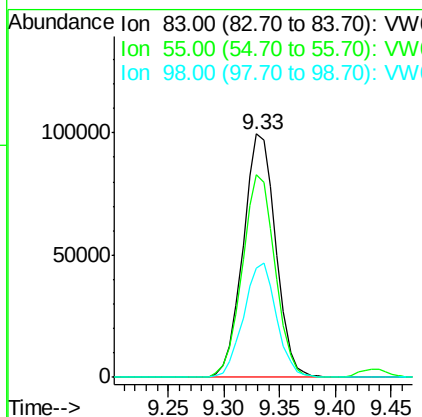
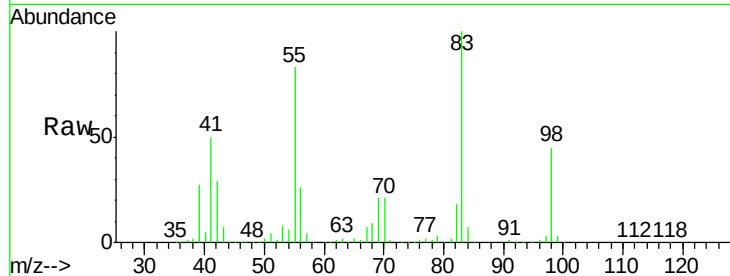
#39
Methylvlcyclohexane
Concen: 51.647 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	202946
Ion	Ratio	Lower	Upper
83	100		
55	83.3	71.0	106.4
98	45.0	36.9	55.3

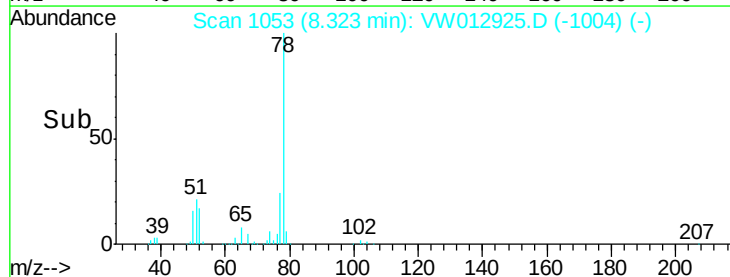
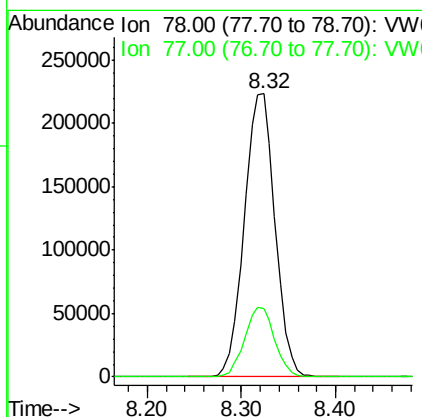
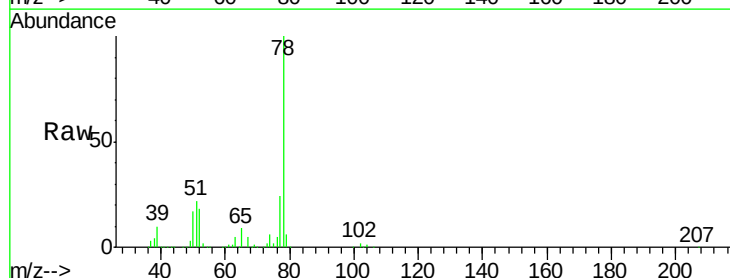
Manual Integrations
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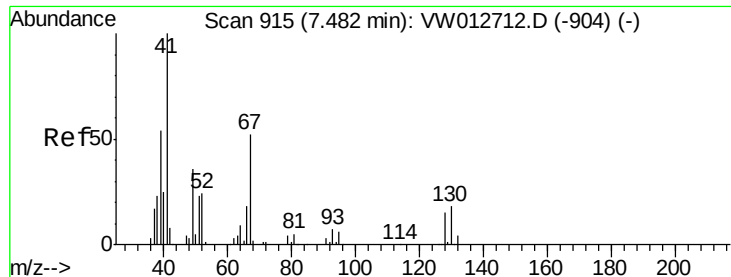
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#40
Benzene
Concen: 52.522 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	78	Resp	509840
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





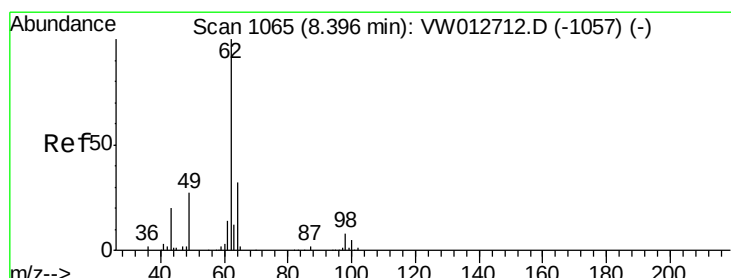
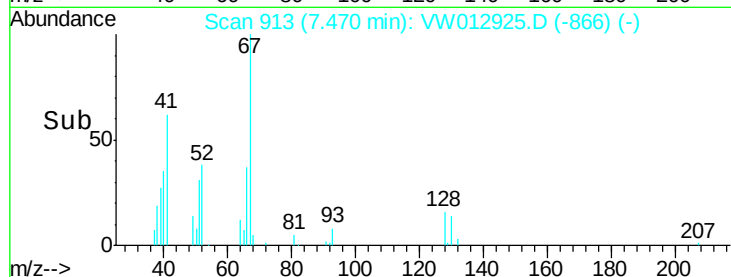
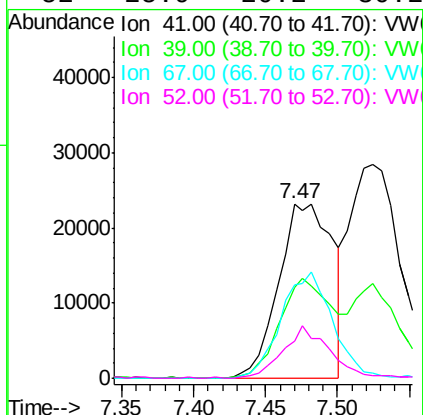
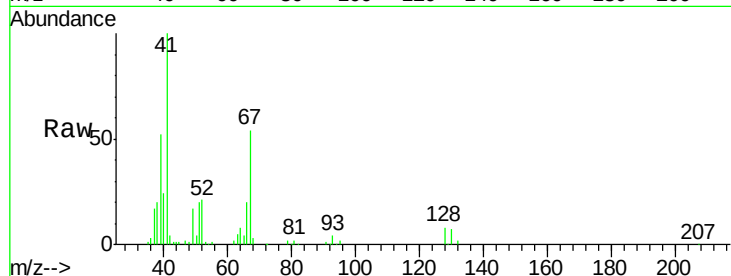
#41
Methacrylonitrile
Concen: 40.886 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	60838
Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.5	71.3
67	58.4	45.1	67.7
52	25.9	20.2	30.2

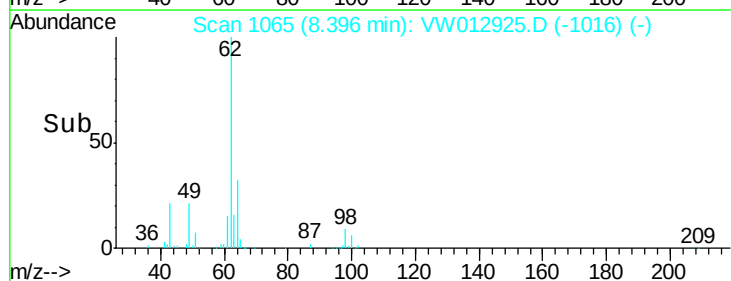
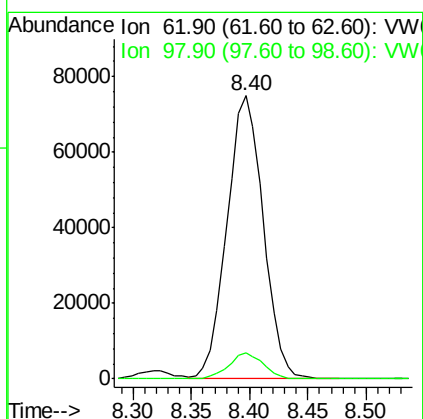
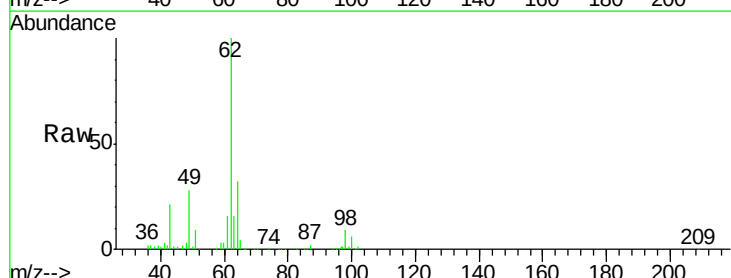
Manual Integrations
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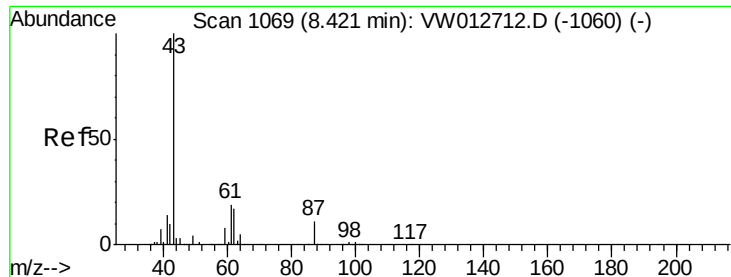
MMDadoda
9/13/2019 1:32:25 AM



#42
1,2-Dichloroethane
Concen: 47.464 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	62	Resp	162150
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 42.636 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

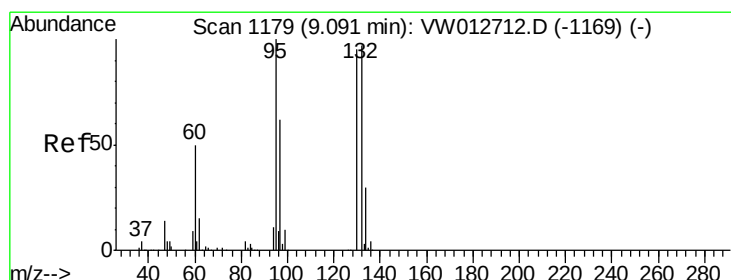
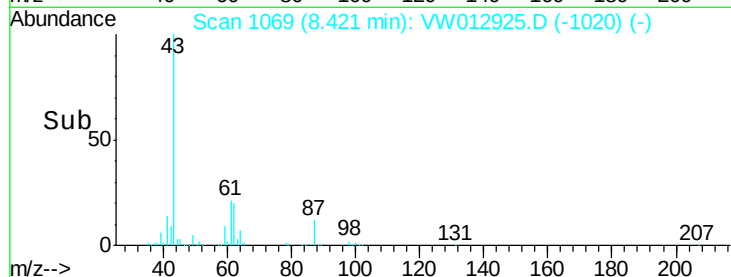
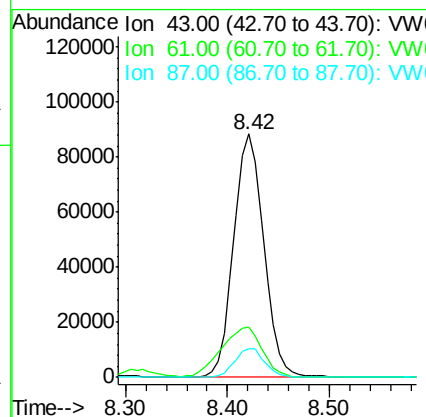
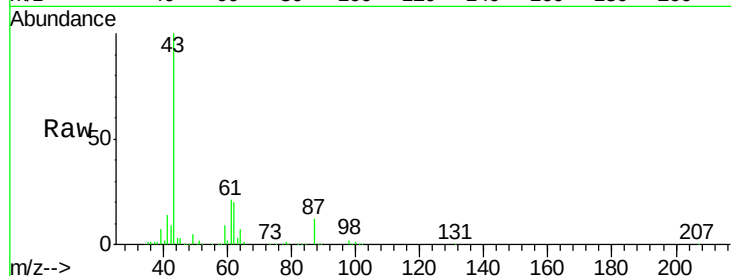
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	180156
Ion	Ratio	Lower	Upper
43	100		
61	28.1	20.6	30.8
87	11.8	8.6	13.0

Manual Integrations
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MMDadoda
9/13/2019 1:32:25 AM



#44

Trichloroethene

Concen: 55.416 ug/l

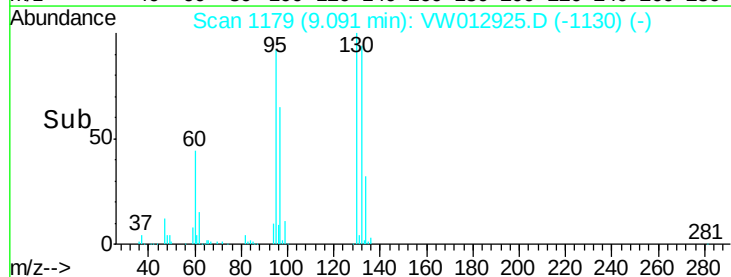
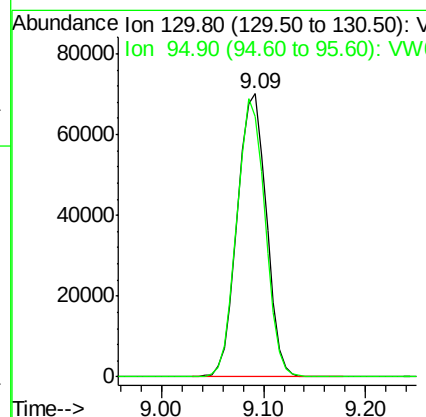
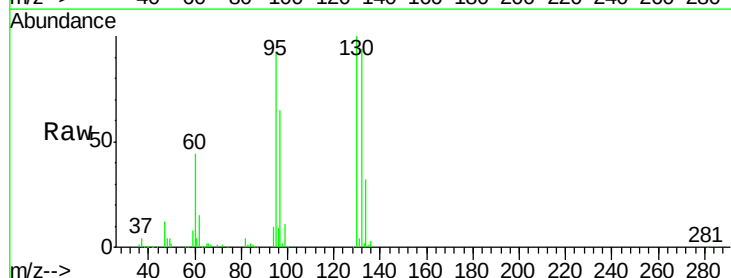
RT: 9.09 min Scan# 1179

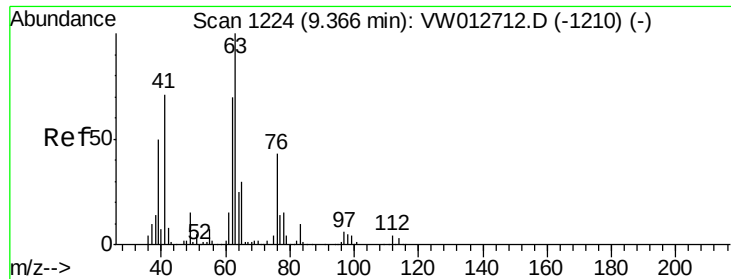
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	130	Resp:	138662
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	210.6





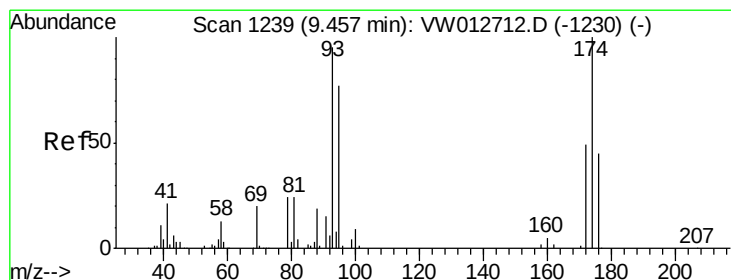
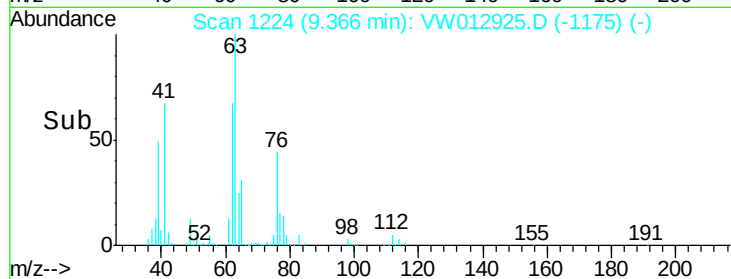
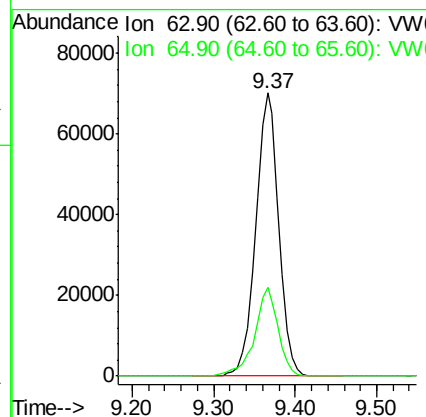
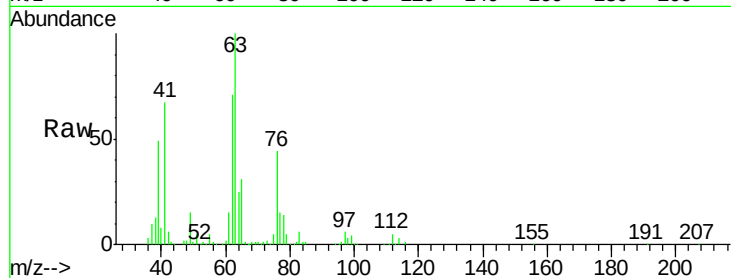
#45
 1,2-Dichloropropane
 Concen: 51.366 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.8	35.8

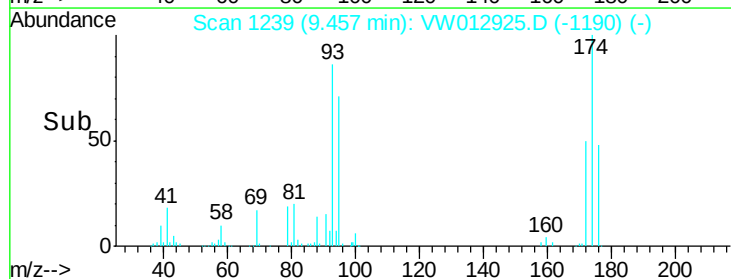
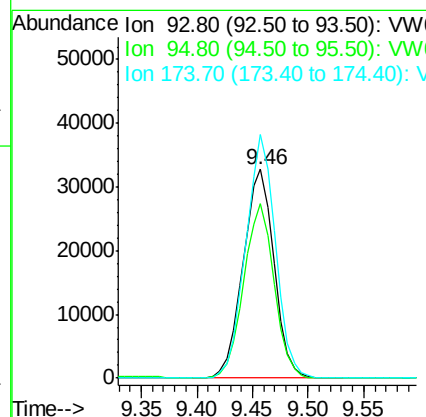
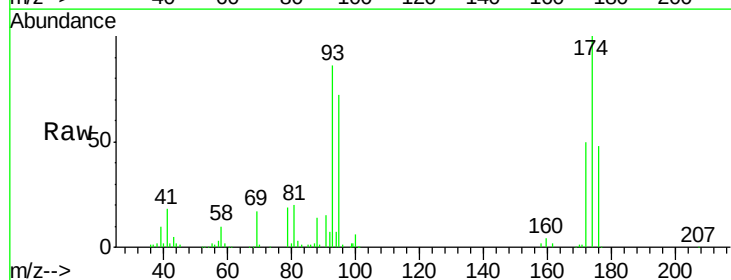
Manual Integrations
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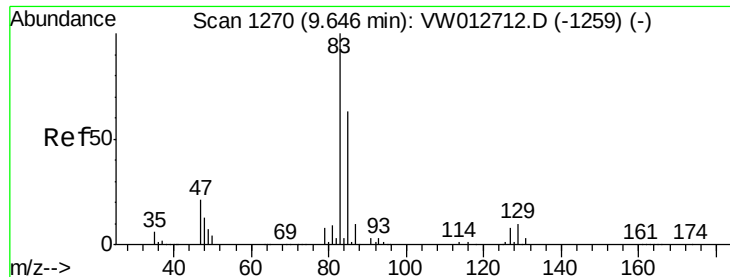
MMDadoda
 9/13/2019 1:32:25 AM



#46
 Dibromomethane
 Concen: 49.492 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.2	97.8
174	112.7	84.2	126.4





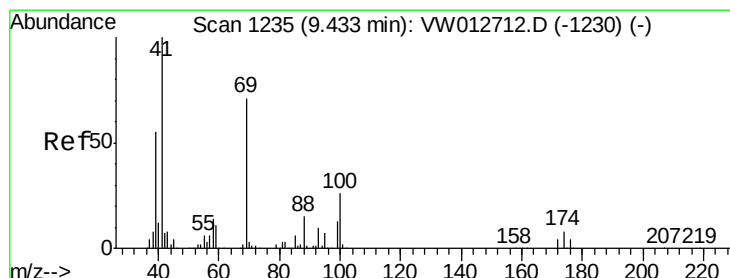
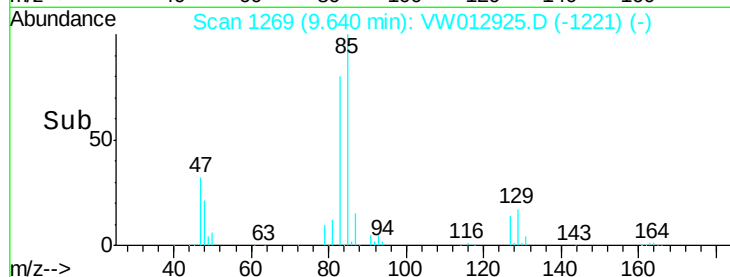
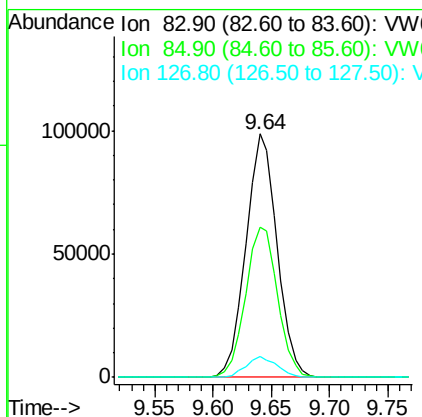
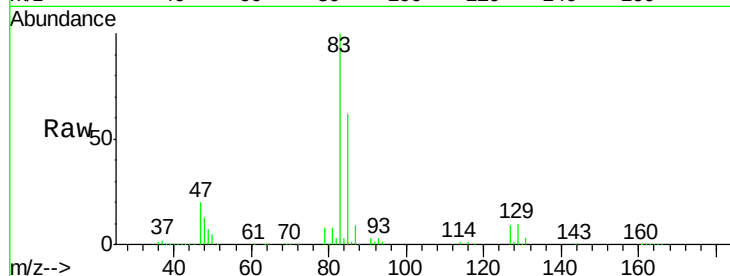
#47
Bromodichloromethane
Concen: 52.324 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	183528		
85	61.8	50.2	75.2	
127	8.7	6.6	9.8	

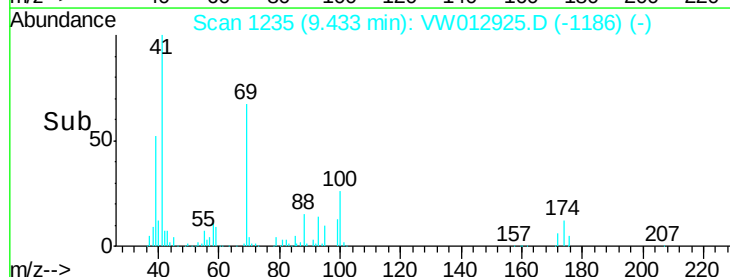
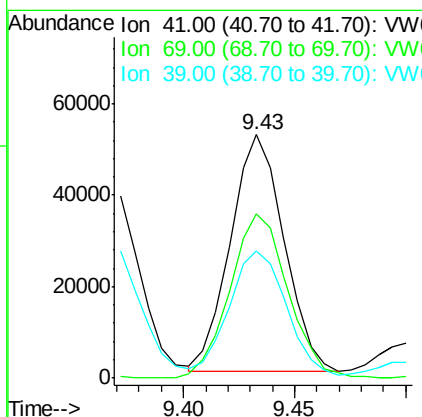
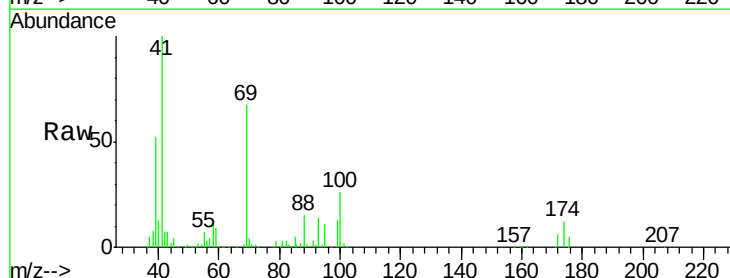
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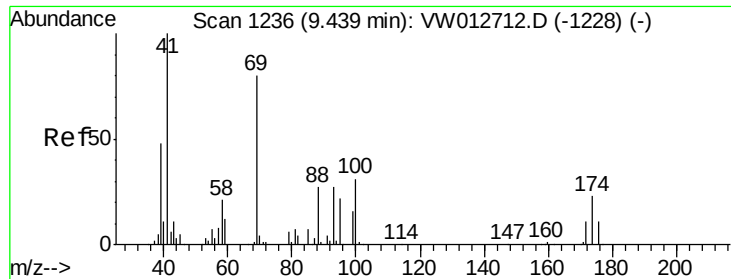
MMDadoda
9/13/2019 1:32:25 AM



#48
Methyl methacrylate
Concen: 43.061 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	86954		
69	74.5	59.8	89.8	
39	58.1	47.0	70.6	





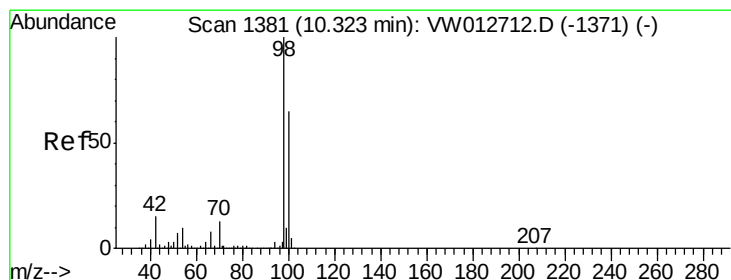
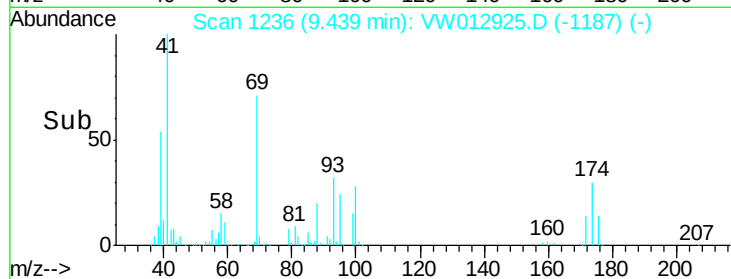
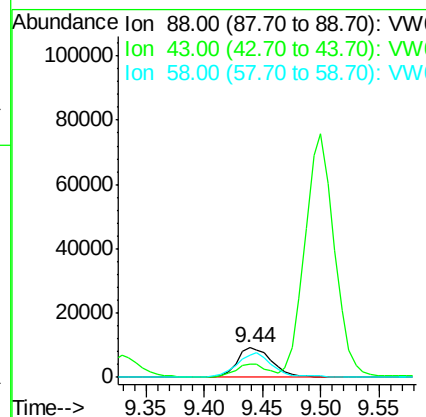
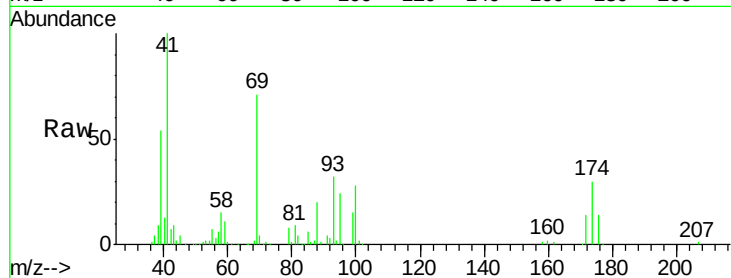
#49
1,4-Dioxane
Concen: 760.708 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	19157		
43	40.8		34.8	52.2
58	84.6		64.1	96.1

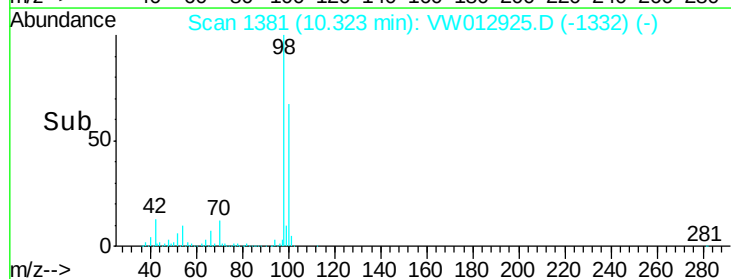
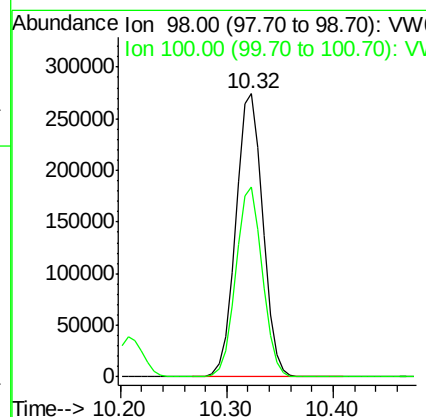
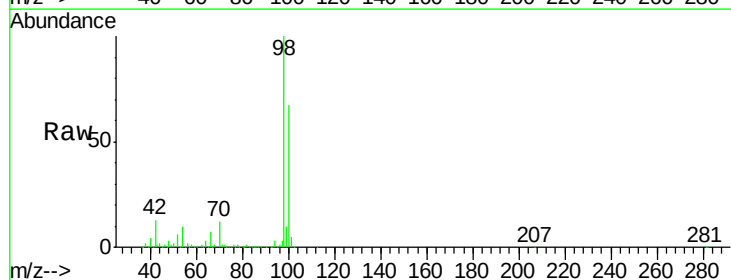
Manual Integrations
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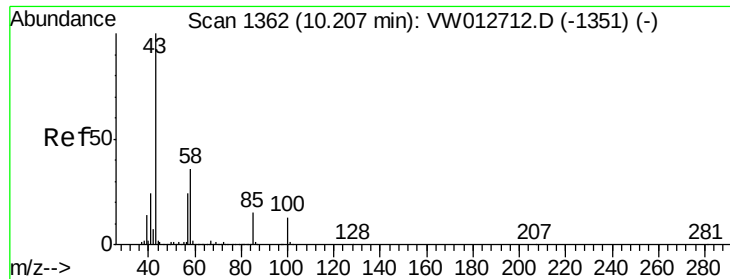
MMDadoda
9/13/2019 1:32:25 AM



#50
Toluene-d8
Concen: 53.202 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	487947		
100	66.0		52.2	78.4





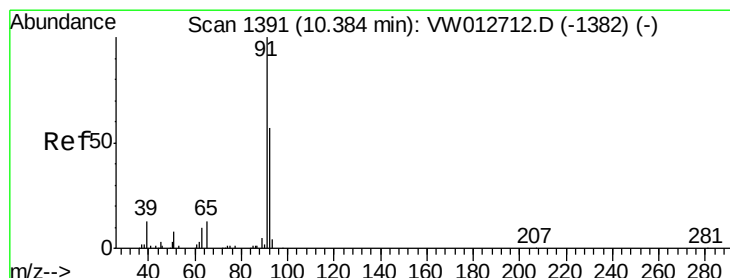
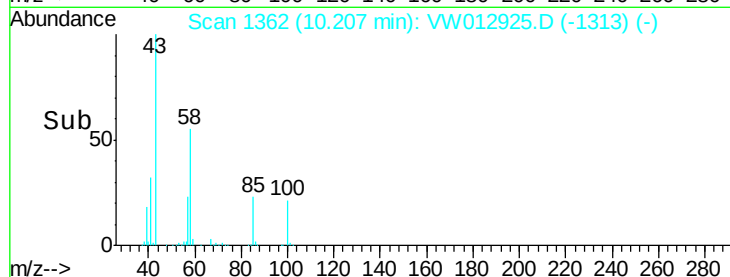
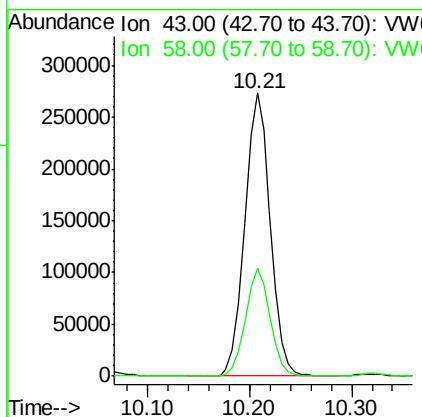
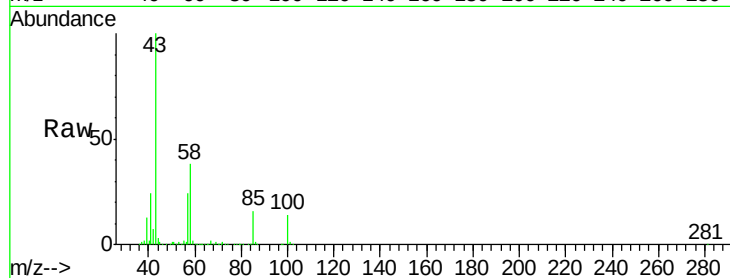
#51
 4-Methyl-2-Pentanone
 Concen: 212.894 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	472033
Ion Ratio	100	Lower	Upper
43	100		
58	37.0	28.4	42.6

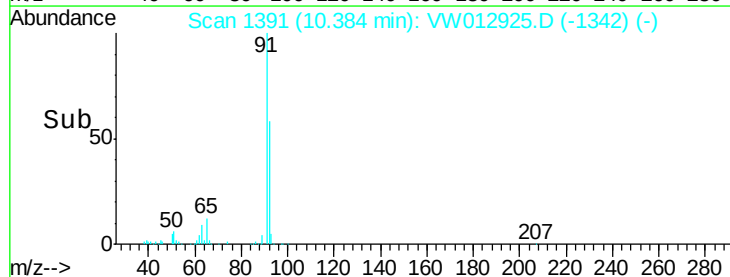
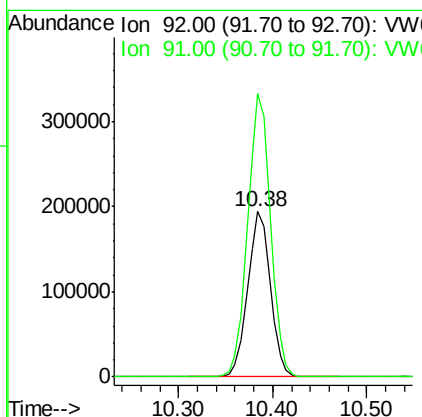
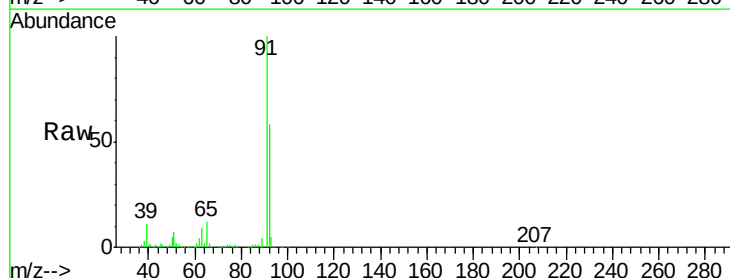
Manual Integrations
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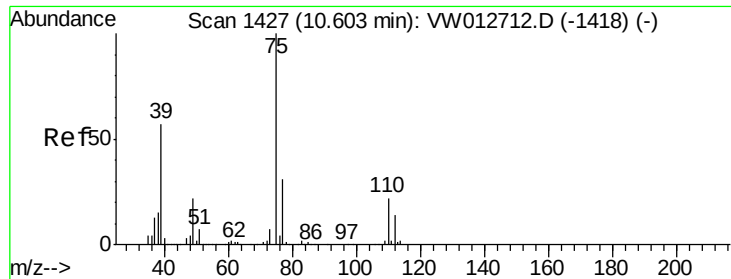
MMDadoda
 9/13/2019 1:32:25 AM



#52
 Toluene
 Concen: 54.243 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	92	Resp	328636
Ion Ratio	100	Lower	Upper
92	100		
91	172.4	137.0	205.4





#53

t-1,3-Dichloropropene

Concen: 51.152 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 184491

Ion Ratio Lower Upper

75 100

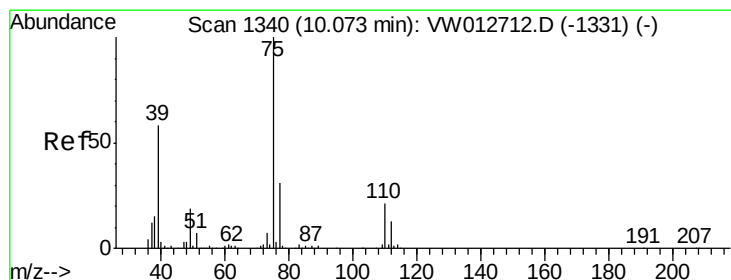
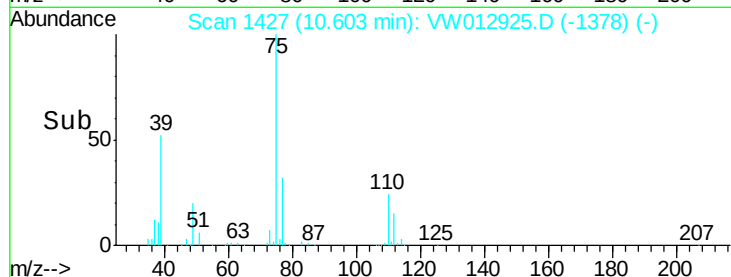
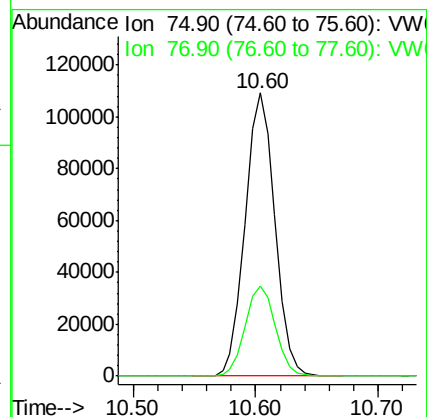
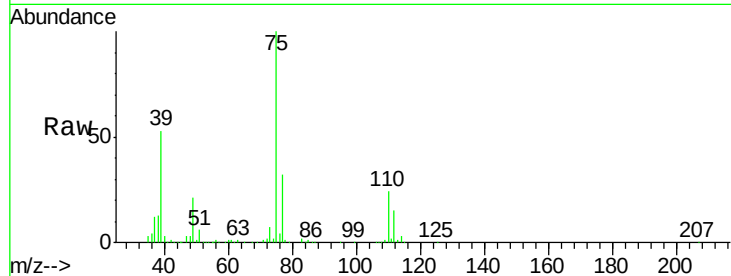
77 31.9 24.7 37.1

Manual Integrations

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MMDadoda

9/13/2019 1:32:25 AM



#54

cis-1,3-Dichloropropene

Concen: 52.321 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

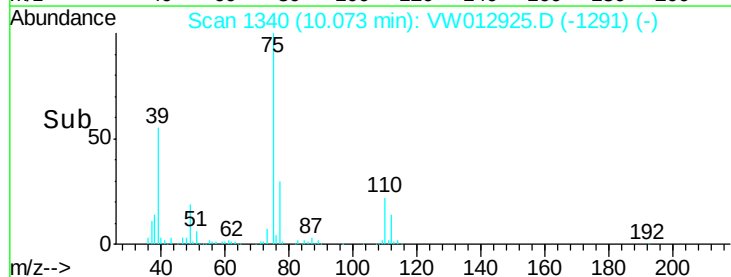
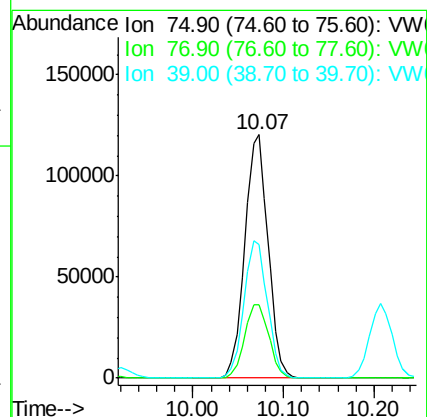
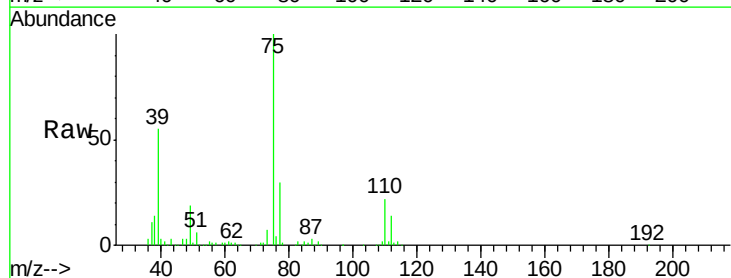
Tgt Ion: 75 Resp: 214074

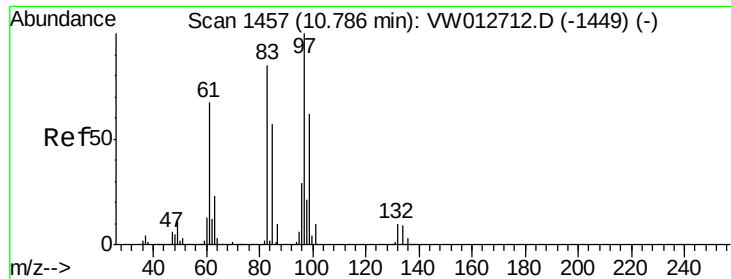
Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8

39 54.6 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 51.524 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

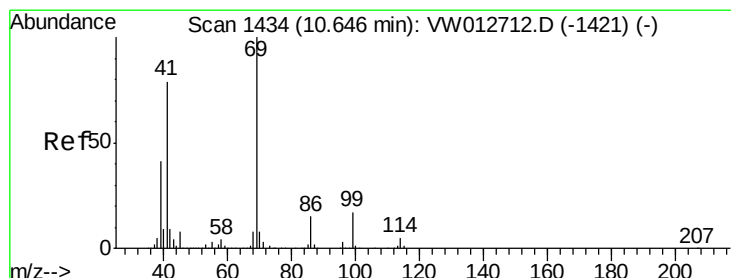
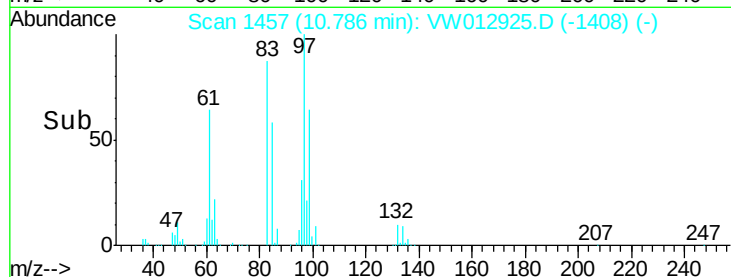
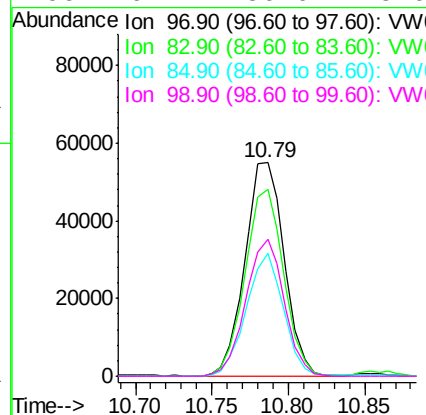
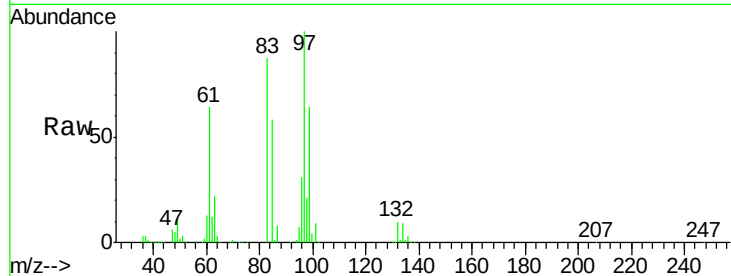
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	98343
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.1	102.1
85	57.8	45.3	67.9
99	64.2	50.0	75.0

Manual Integrations
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9/13/2019 1:32:25 AM



#56

Ethyl methacrylate

Concen: 49.367 ug/l

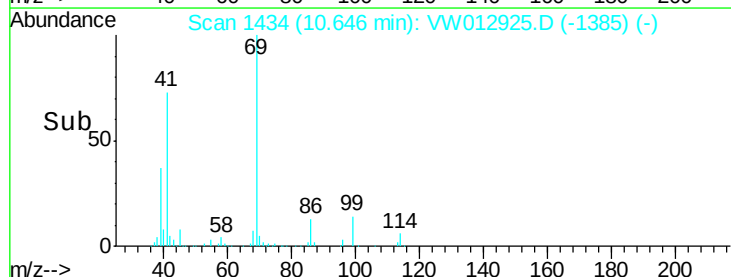
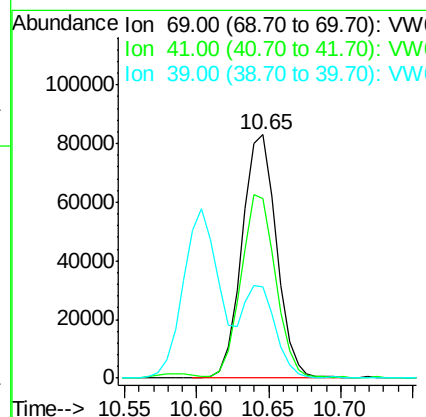
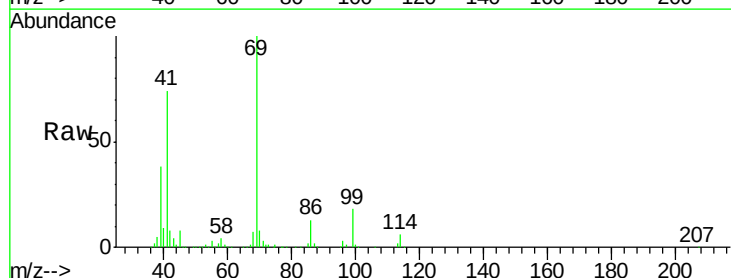
RT: 10.65 min Scan# 1434

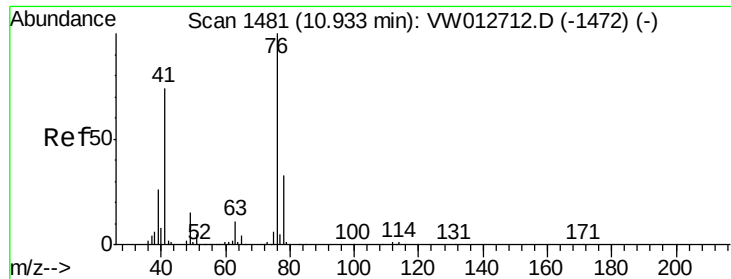
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	69	Resp:	137929
Ion	Ratio	Lower	Upper
69	100		
41	75.1	64.4	96.6
39	33.5	31.1	46.7





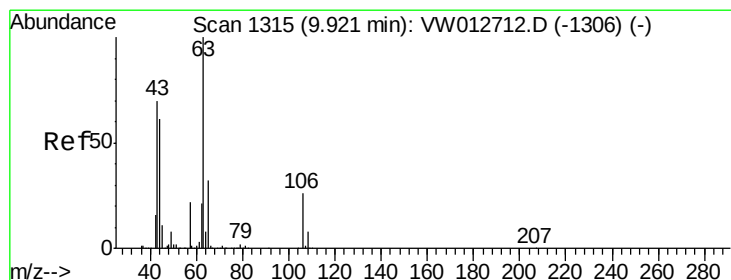
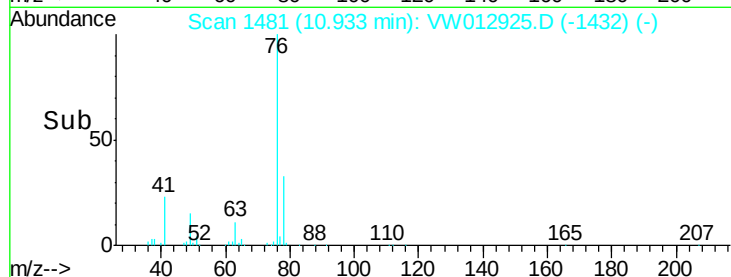
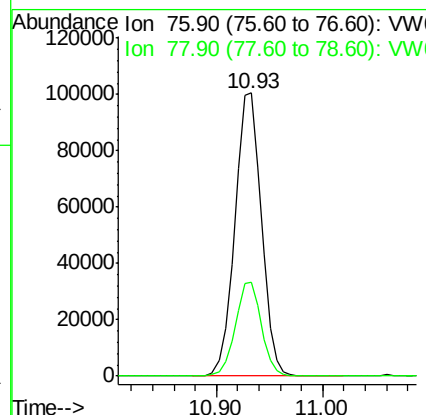
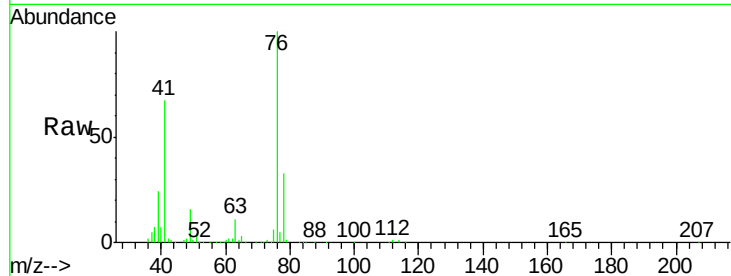
#57
 1,3-Dichloropropane
 Concen: 49.759 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

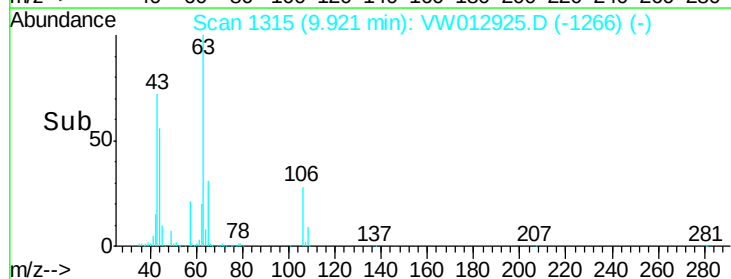
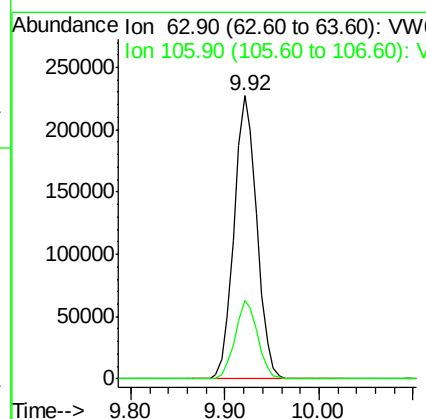
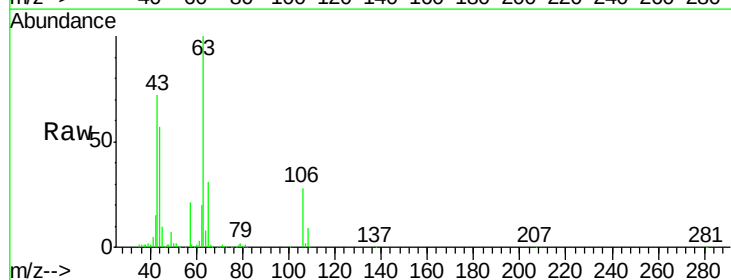
Manual Integrations
 APPROVED

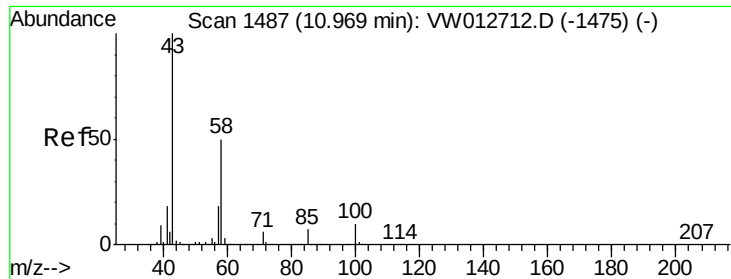
MMDadoda
 9/13/2019 1:32:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.965 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	20.5	30.7





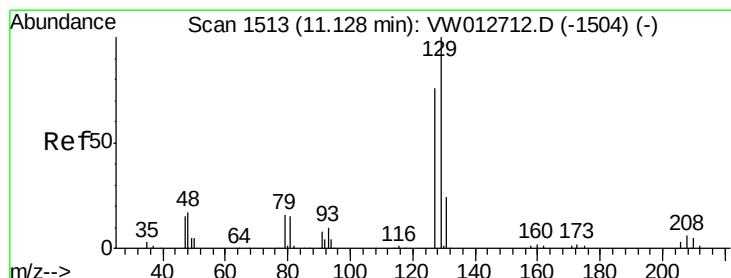
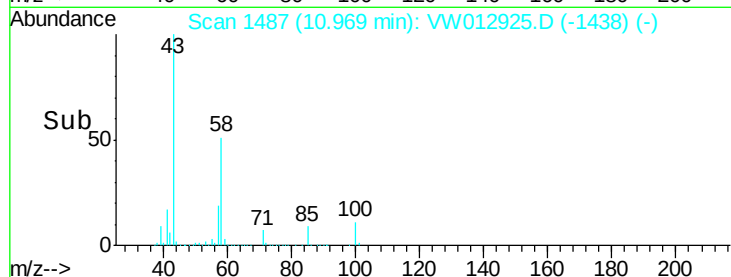
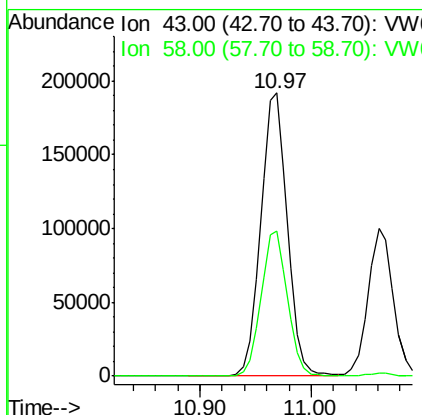
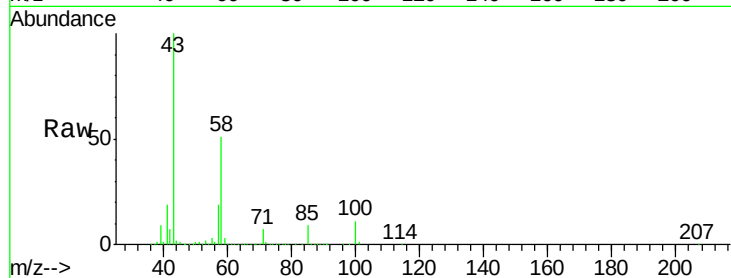
#59
2-Hexanone
Concen: 197.137 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 319336
Ion Ratio Lower Upper
43 100
58 50.8 24.7 74.1

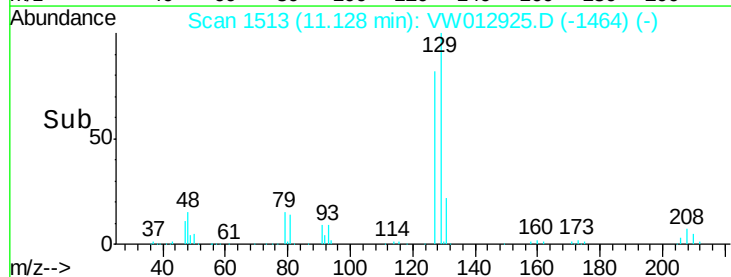
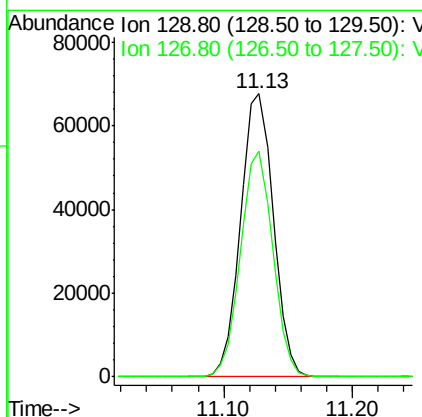
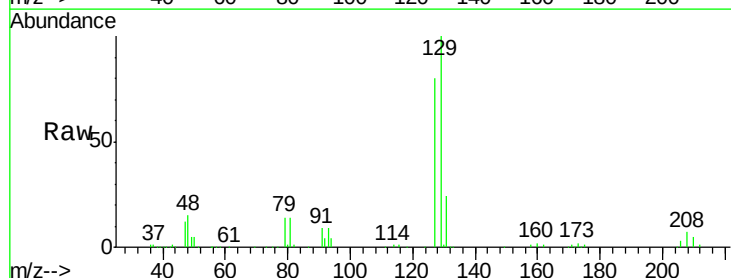
Manual Integrations
APPROVED

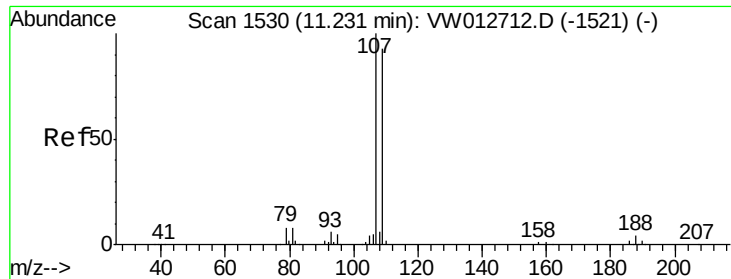
MMDadoda
9/13/2019 1:32:25 AM



#60
Dibromochloromethane
Concen: 53.175 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion: 129 Resp: 119366
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





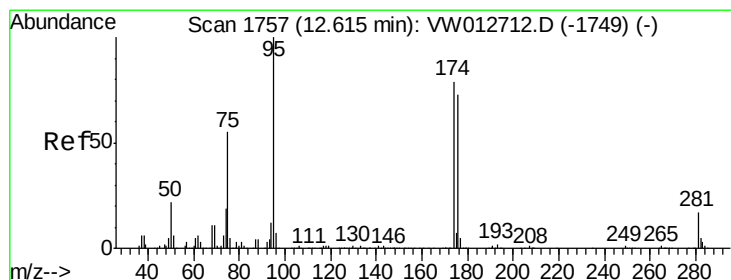
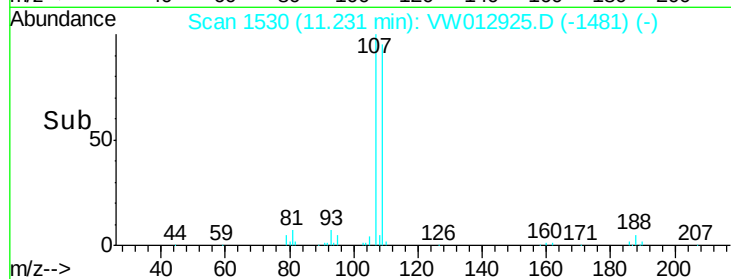
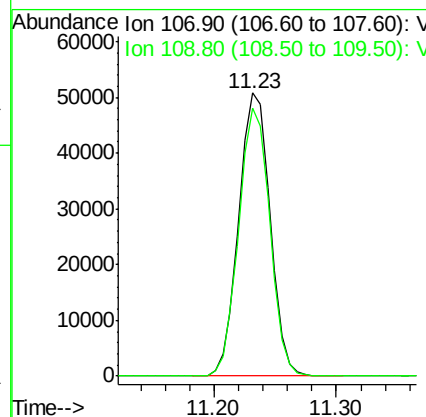
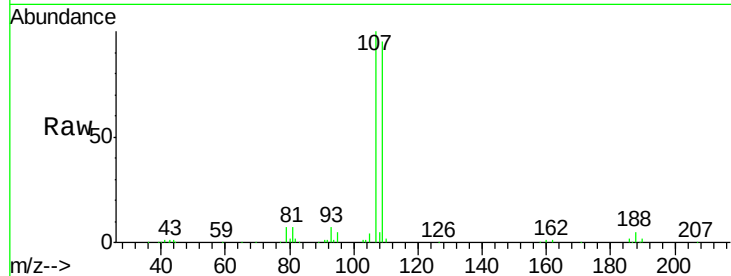
#61
 1,2-Dibromoethane
 Concen: 51.543 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

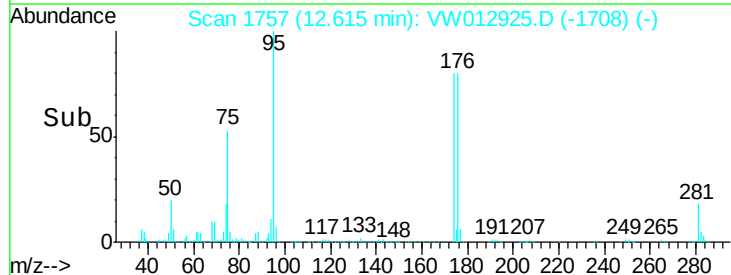
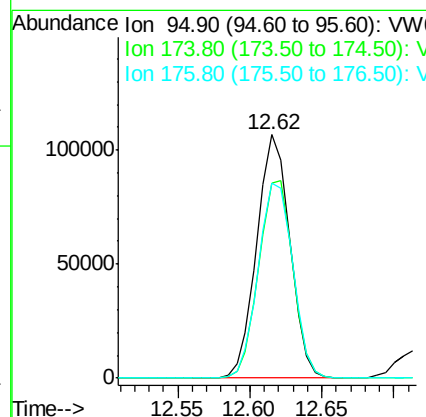
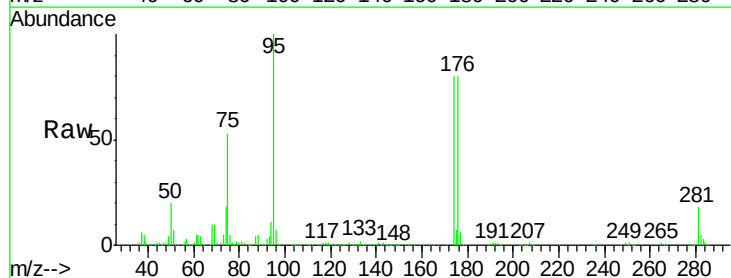
Manual Integrations
 APPROVED

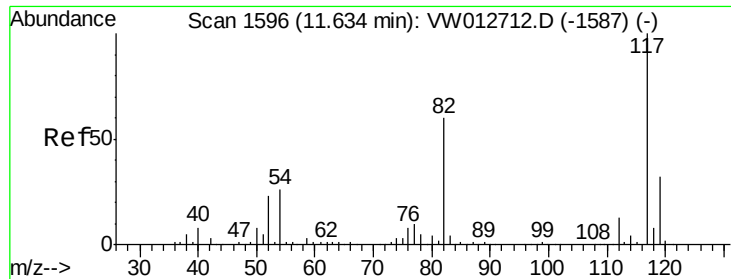
MMDadoda
 9/13/2019 1:32:25 AM



#62
 4-Bromofluorobenzene
 Concen: 51.000 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	161.0
176	83.5	0.0	156.4





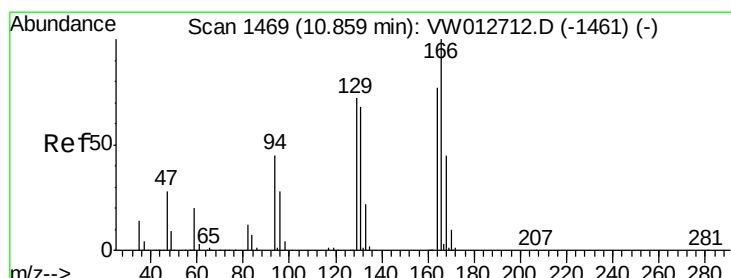
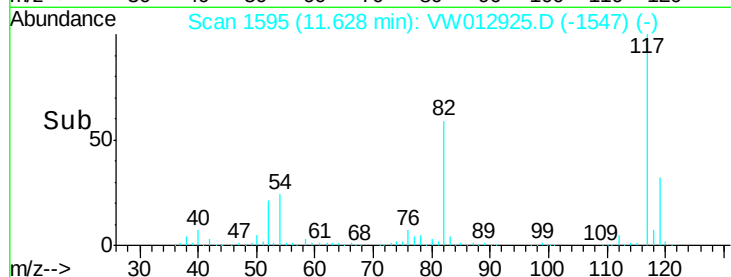
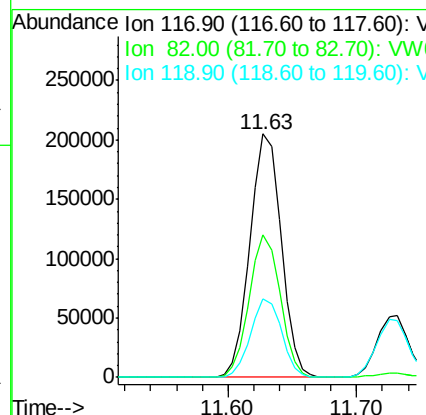
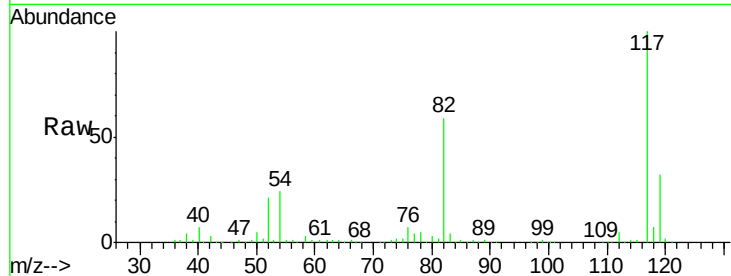
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.2	72.4
119	32.4	25.8	38.6

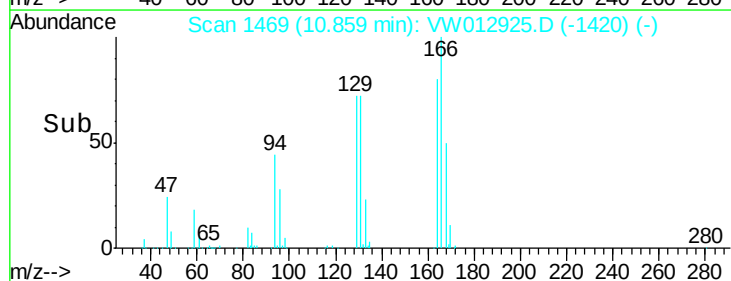
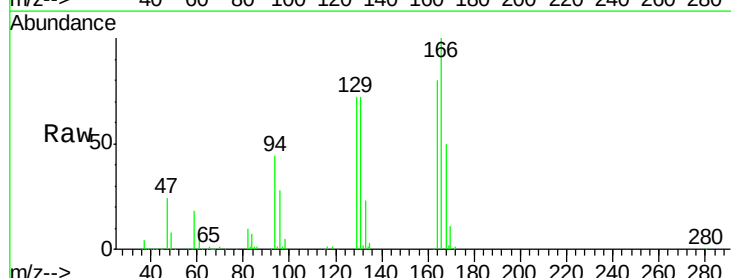
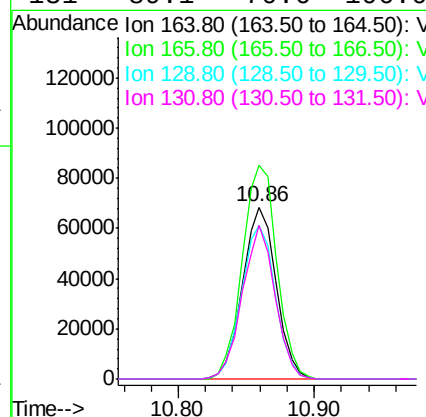
Manual Integrations
APPROVED

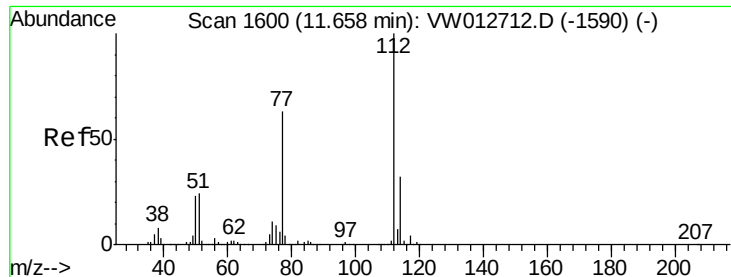
MMDadoda
9/13/2019 1:32:25 AM



#64
Tetrachloroethene
Concen: 56.495 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	89.6	74.6	112.0
131	89.1	70.6	106.0





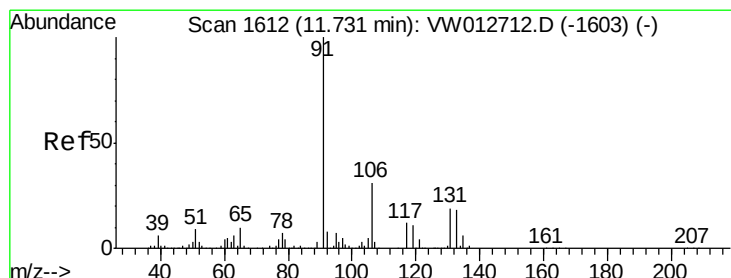
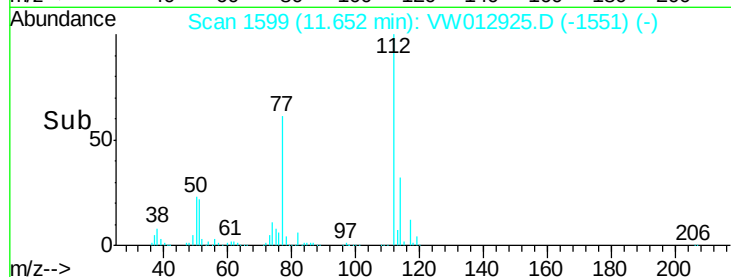
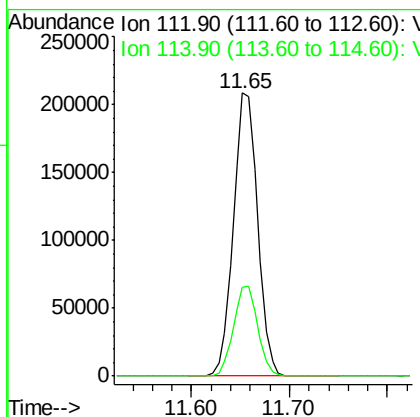
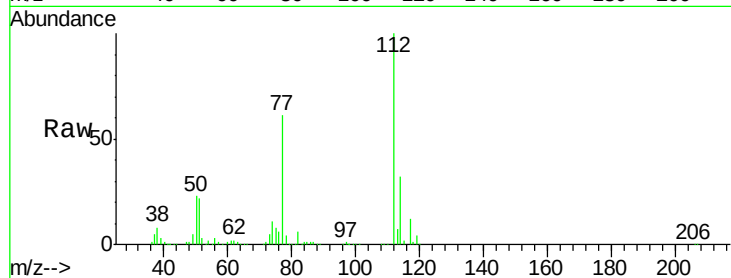
#65
Chlorobenzene
Concen: 54.986 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	358152		
114	31.6	25.3	37.9	

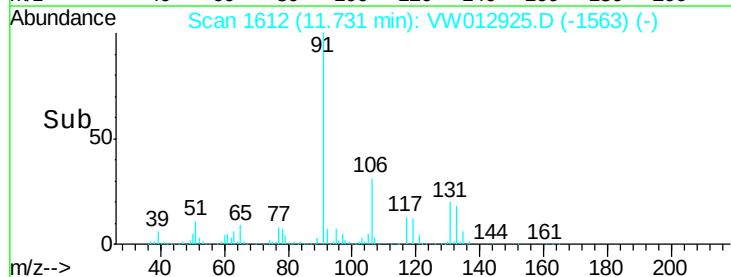
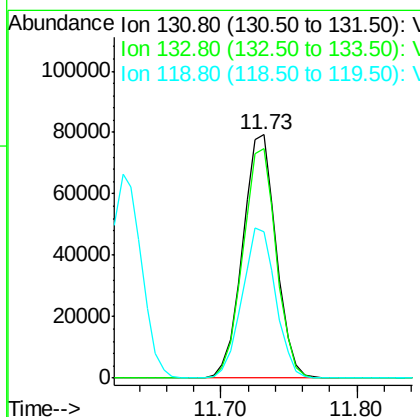
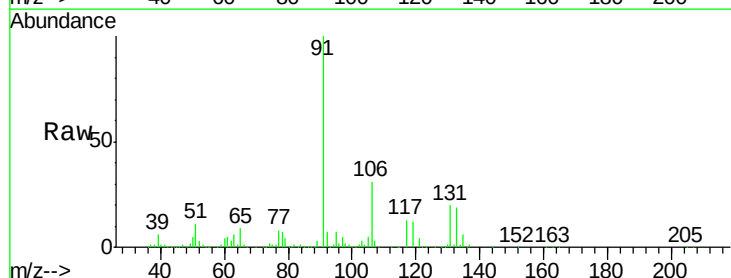
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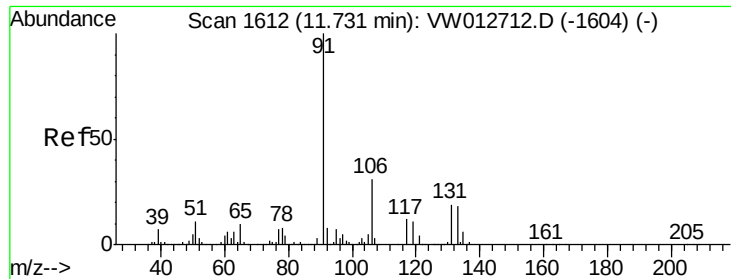
MMDadoda
9/13/2019 1:32:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.022 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	135890		
133	94.2	47.6	142.8	
119	62.0	30.6	92.0	





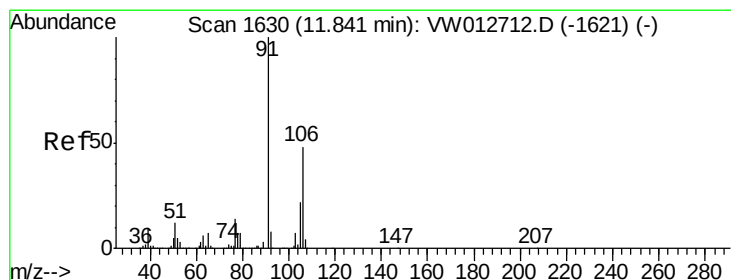
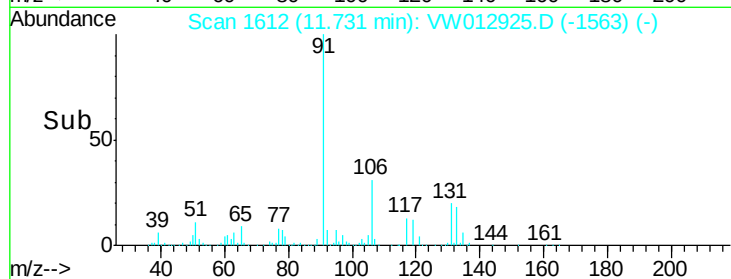
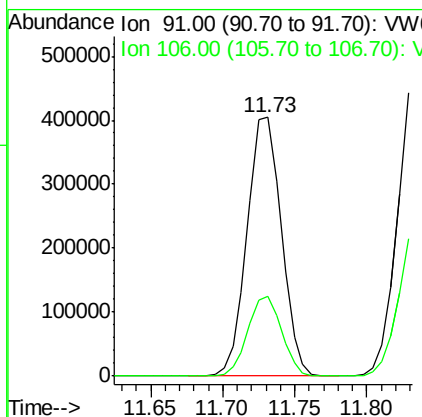
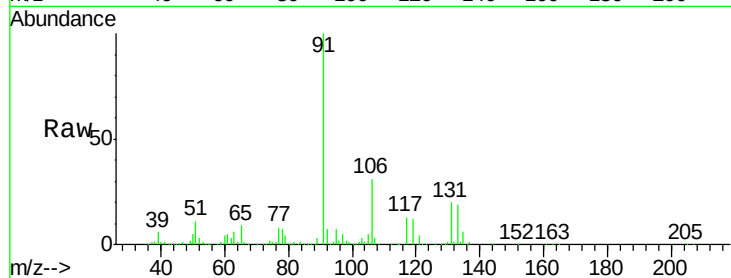
#67
Ethyl Benzene
Concen: 54.643 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 667788
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6

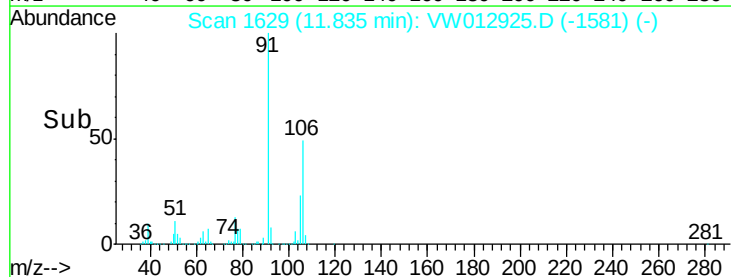
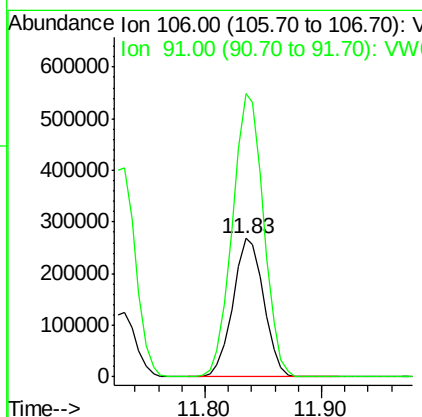
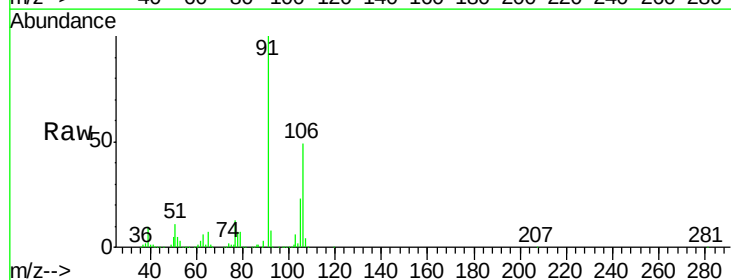
Manual Integrations
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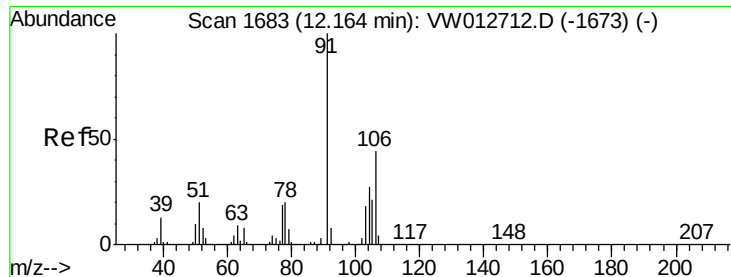
MMDadoda
9/13/2019 1:32:25 AM



#68
m/p-Xylenes
Concen: 112.064 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion: 106 Resp: 494336
Ion Ratio Lower Upper
106 100
91 206.7 168.2 252.4





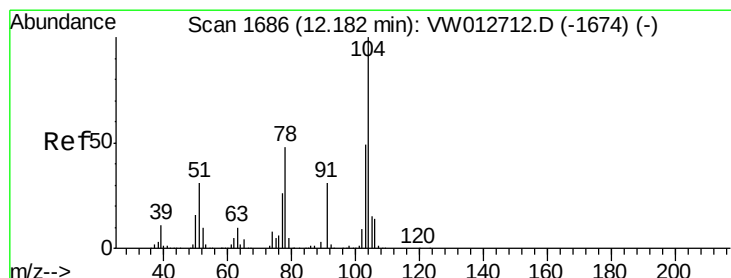
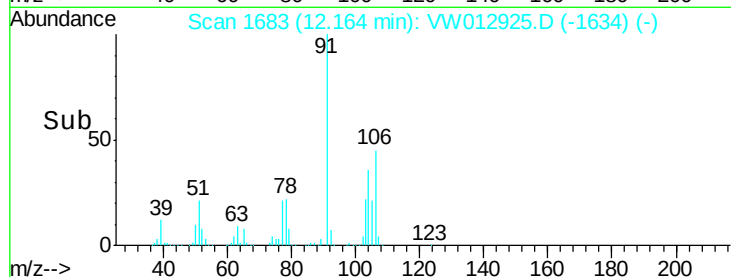
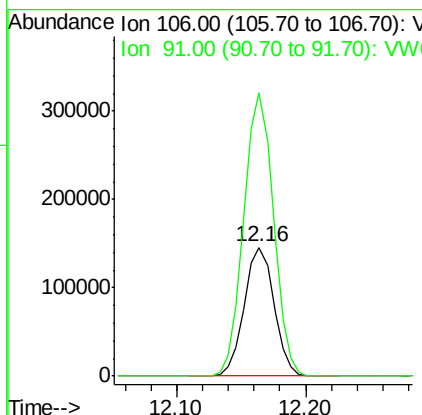
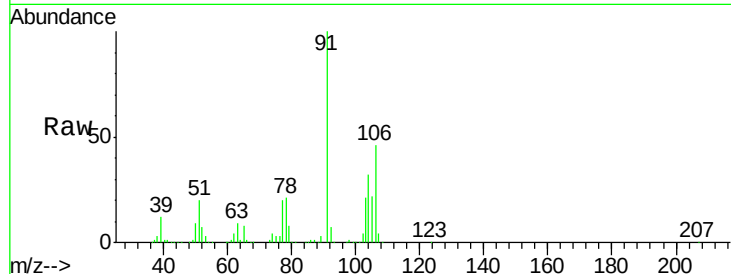
#69
o-Xylene
Concen: 55.713 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	231859		
91	220.7	112.3	336.8	

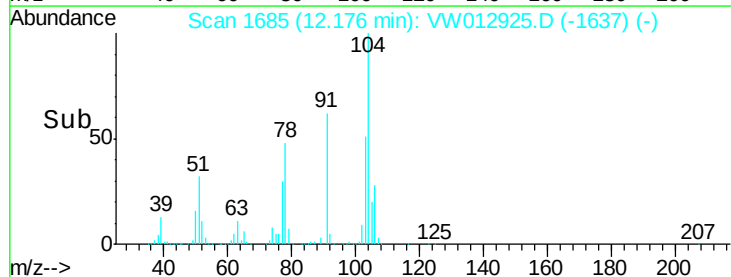
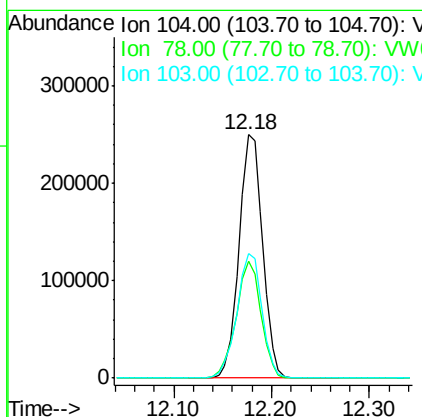
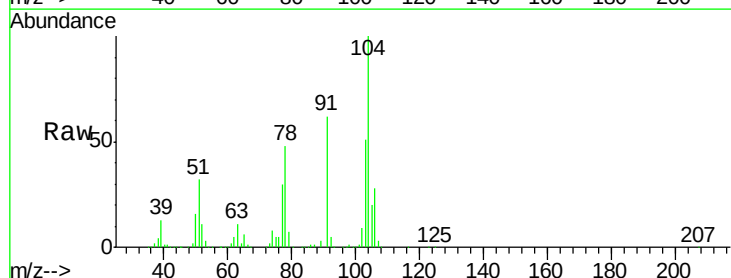
Manual Integrations
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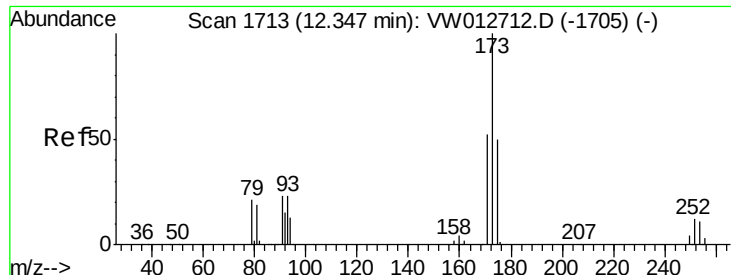
MMDadoda
9/13/2019 1:32:25 AM



#70
Styrene
Concen: 56.919 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	418576		
78	51.0	43.3	64.9	
103	54.6	44.0	66.0	





#71

Bromoform

Concen: 51.511 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

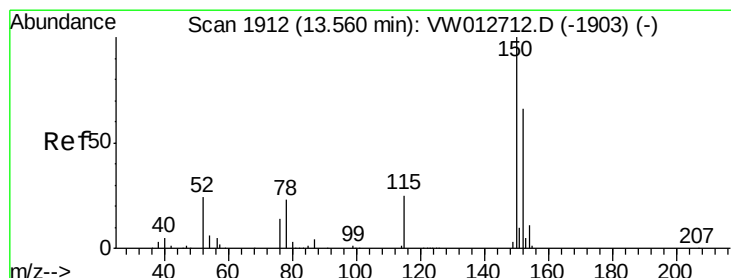
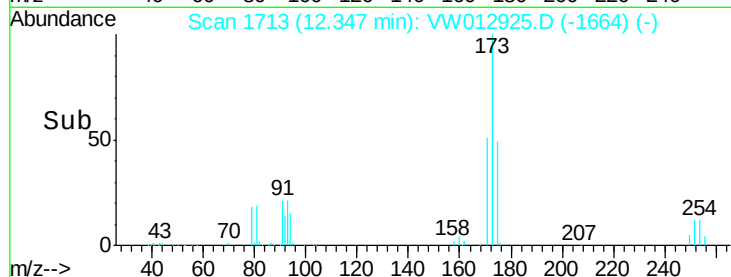
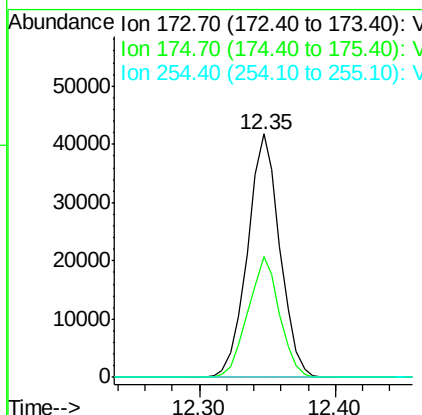
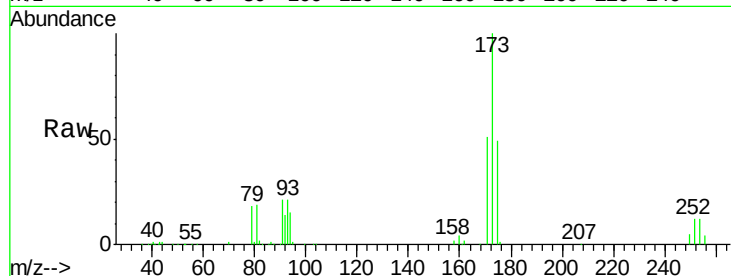
ClientSampleId :

VSTDCCC050EC

Tot Ion:173	Resp:	69419
Ion Ratio	Lower	Upper
173 100		
175 48.5	24.8	74.3
254 0.1	0.1	0.1#

Manual Integrations
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9/13/2019 1:32:25 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

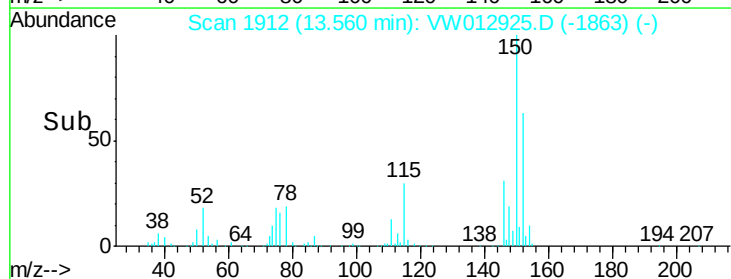
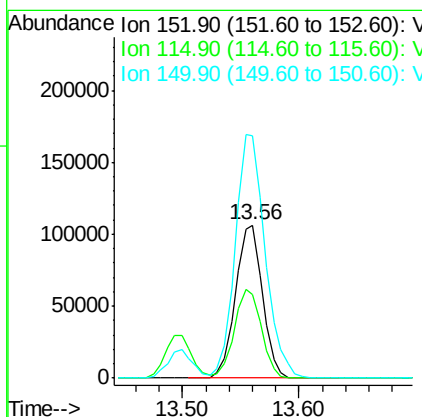
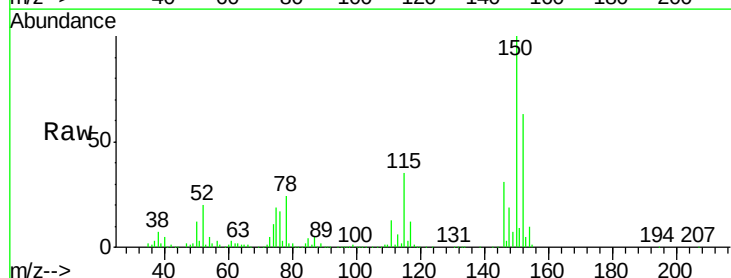
RT: 13.56 min Scan# 1912

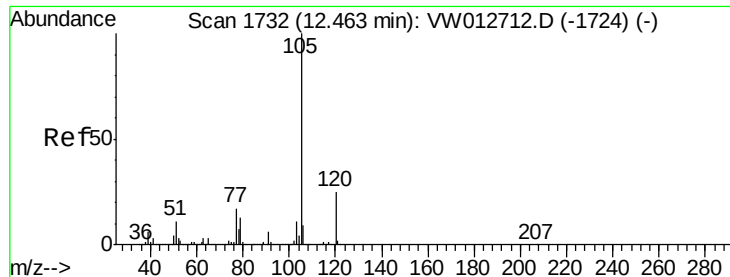
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:152	Resp:	171495
Ion Ratio	Lower	Upper
152 100		
115 58.5	30.0	90.1
150 176.3	0.0	349.0





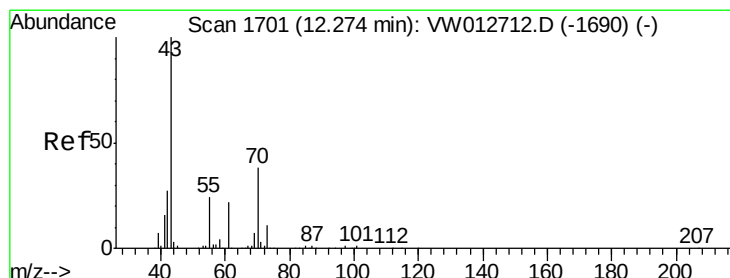
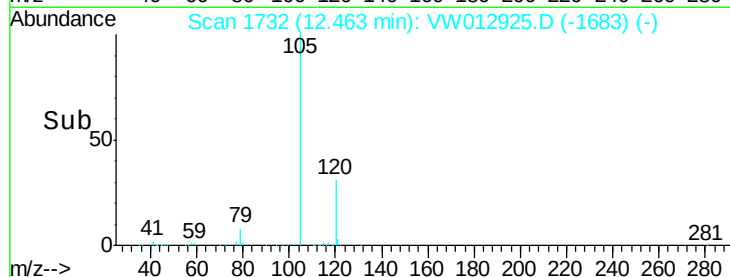
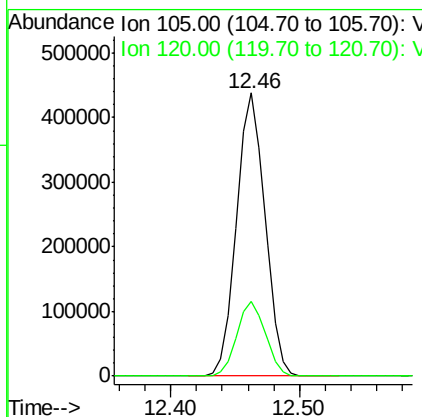
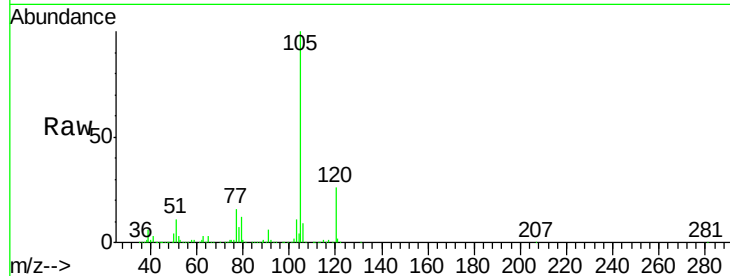
#73
Isopropylbenzene
Concen: 54.766 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

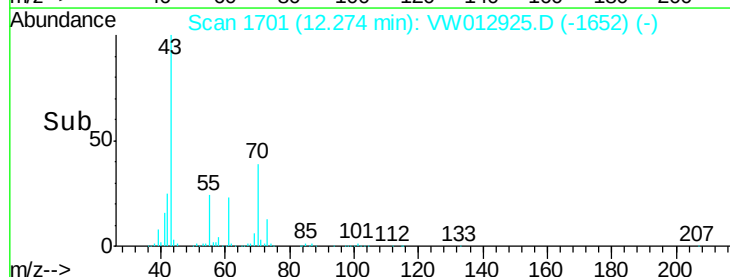
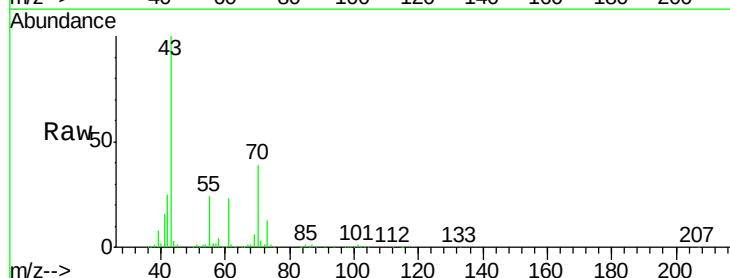
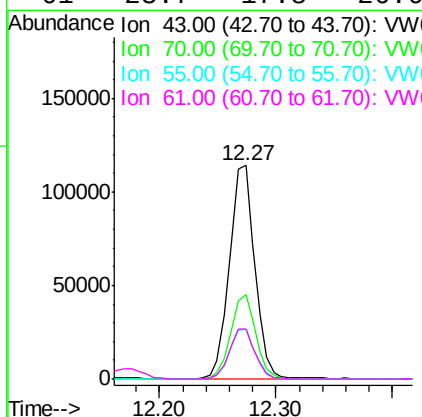
Manual Integrations
APPROVED

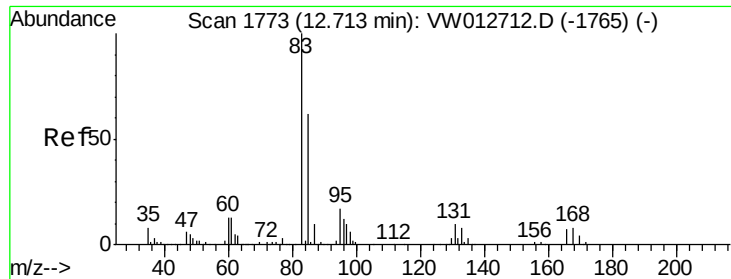
MMDadoda
9/13/2019 1:32:25 AM



#74
N-ethyl acetate
Concen: 44.469 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	29.4	44.0
55	23.7	18.6	27.8
61	23.7	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.449 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

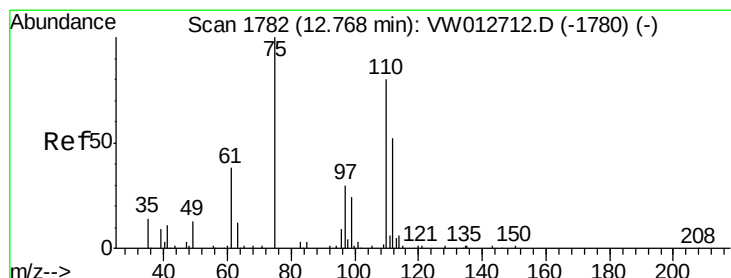
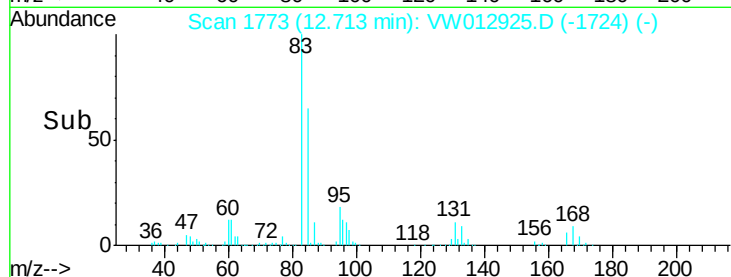
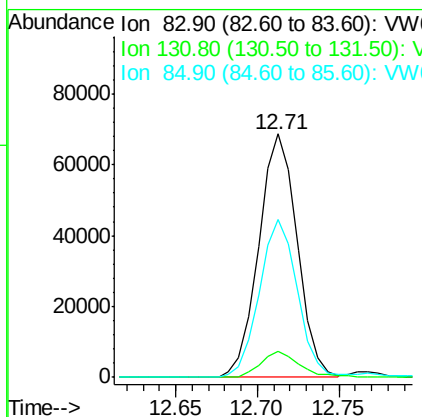
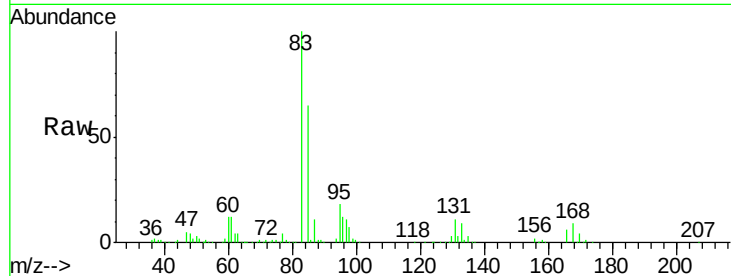
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112270
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.1	15.4
85	64.6	31.4	94.2

Manual Integrations
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MMDadoda
9/13/2019 1:32:25 AM



#76

1,2,3-Trichloropropane

Concen: 42.109 ug/l m

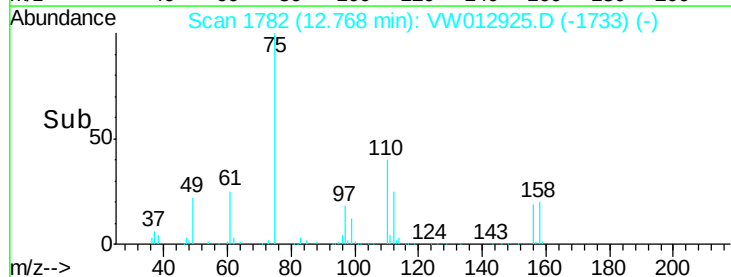
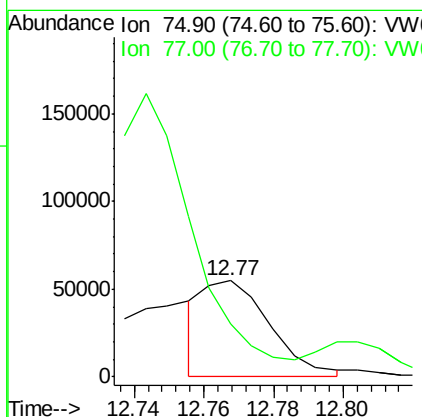
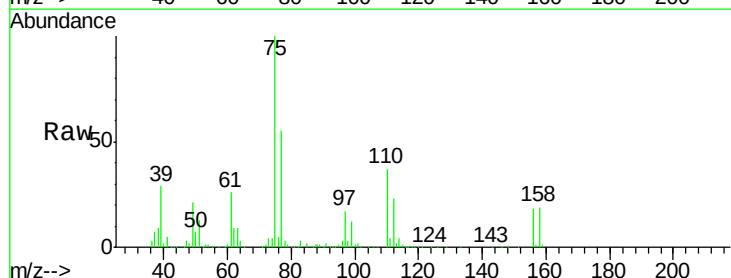
RT: 12.77 min Scan# 1782

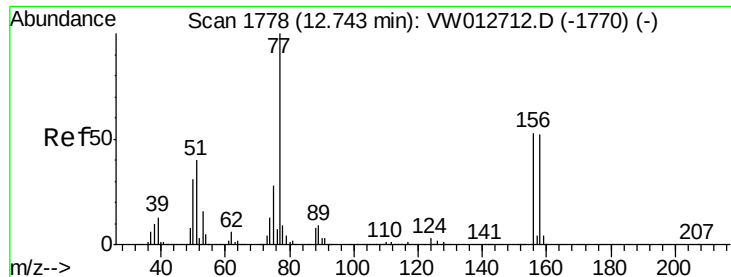
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	75	Resp:	73842
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.197 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 153818

Ion Ratio Lower Upper

156 100

77 187.3 102.3 306.9

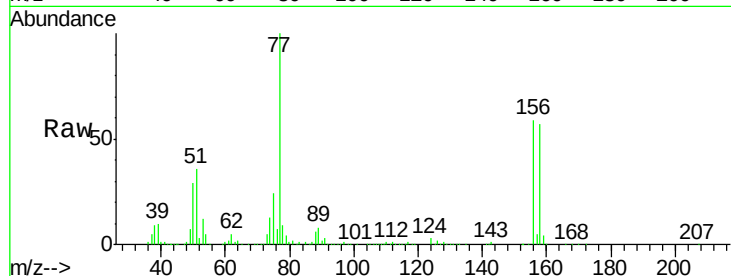
158 96.5 48.9 146.8

Manual Integrations

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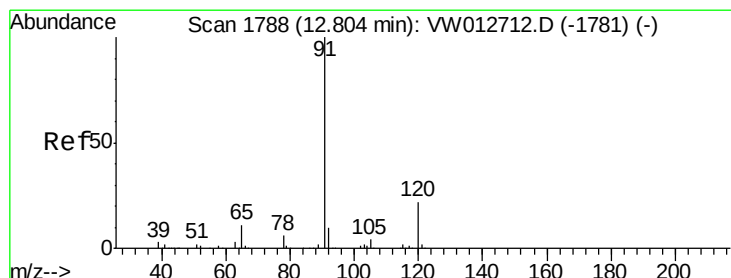
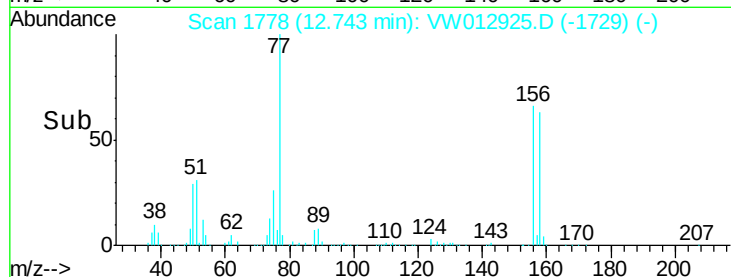
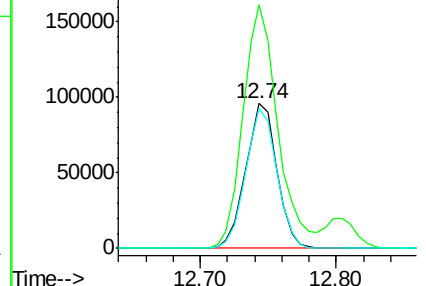
9/13/2019 1:32:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.936 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012925.D

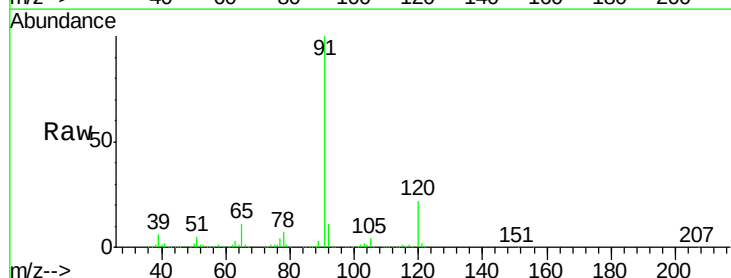
Acq: 11 Sep 2019 19:23

Tgt Ion: 91 Resp: 793440

Ion Ratio Lower Upper

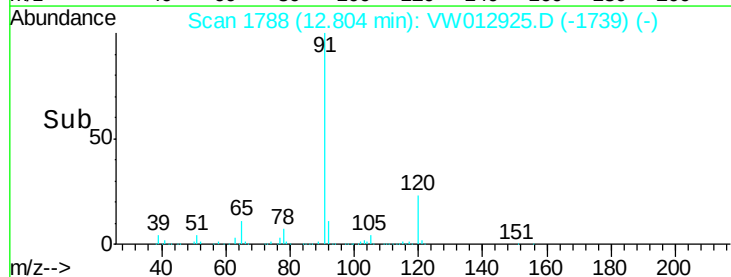
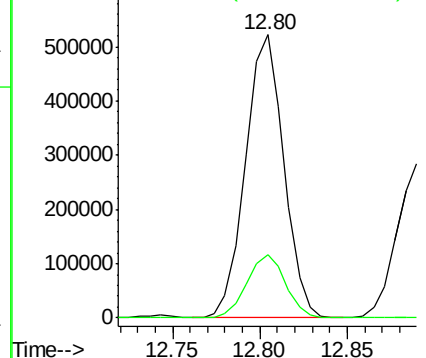
91 100

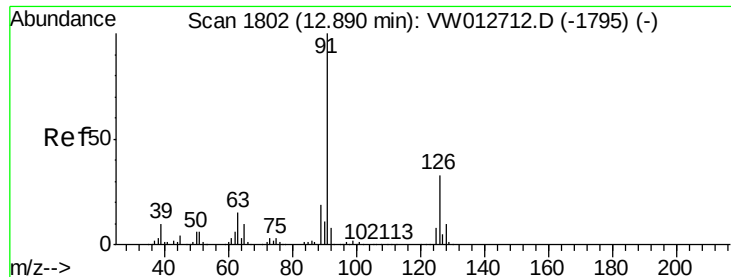
120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





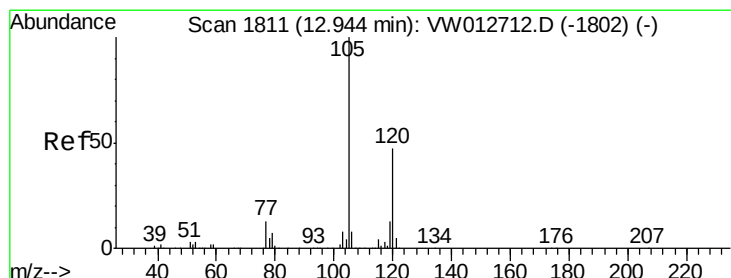
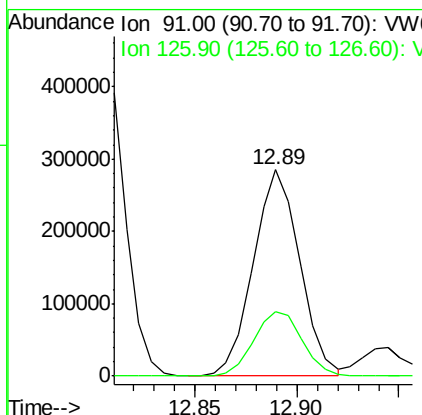
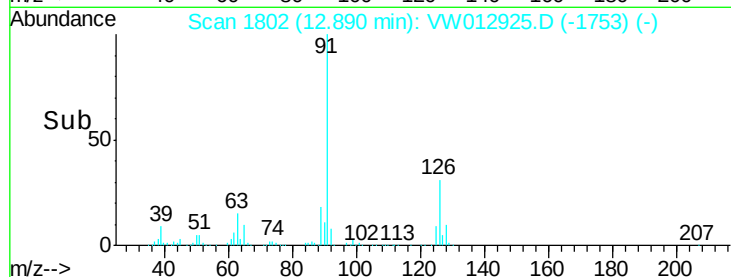
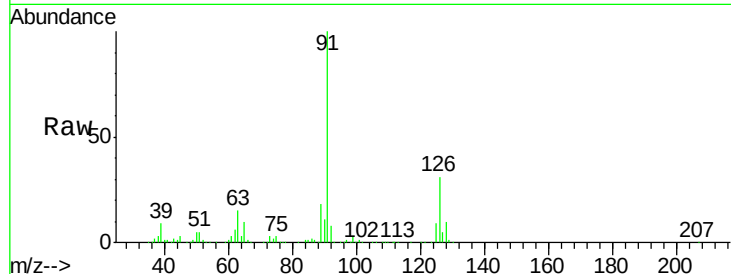
#79
 2-Chlorotoluene
 Concen: 53.543 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 452181
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.1 48.3

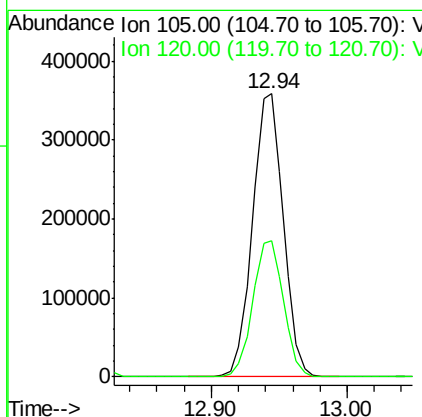
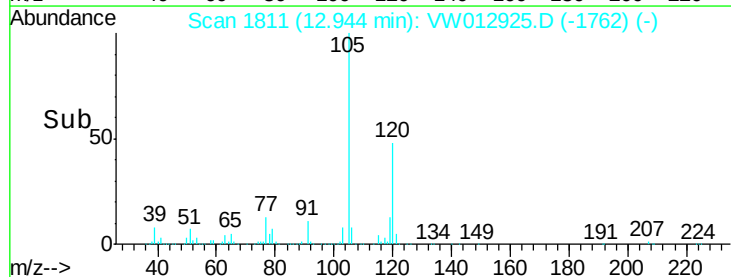
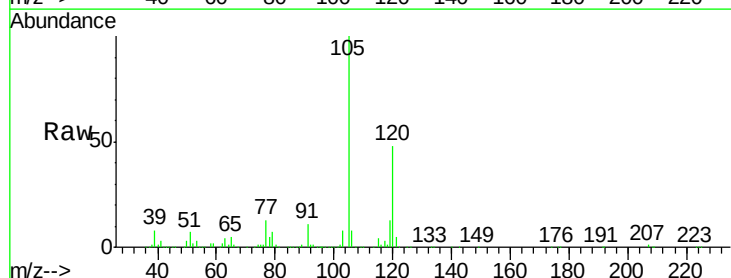
Manual Integrations
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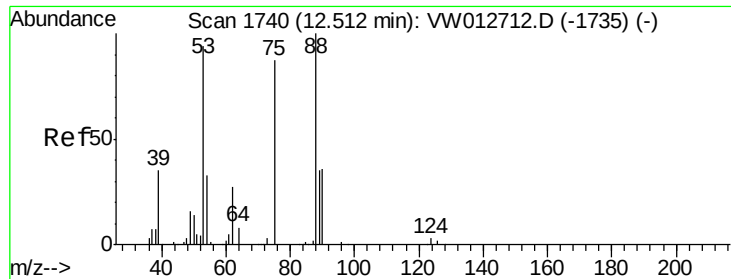
MMDadoda
 9/13/2019 1:32:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.883 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion: 105 Resp: 568842
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.889 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

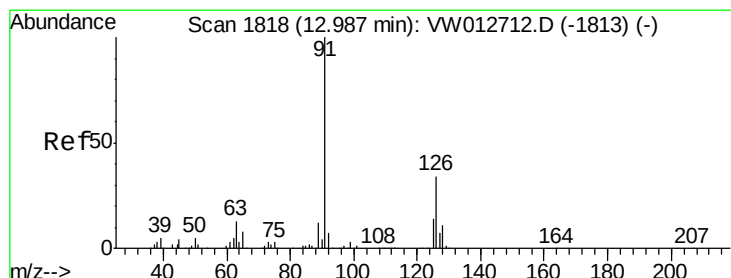
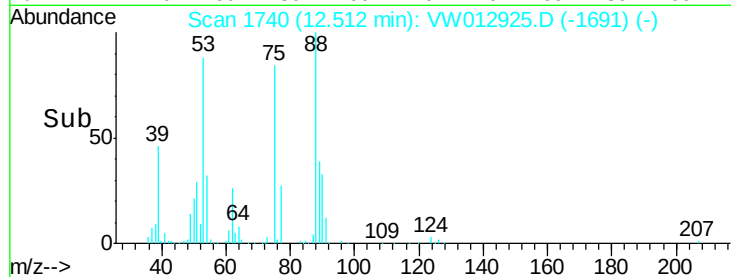
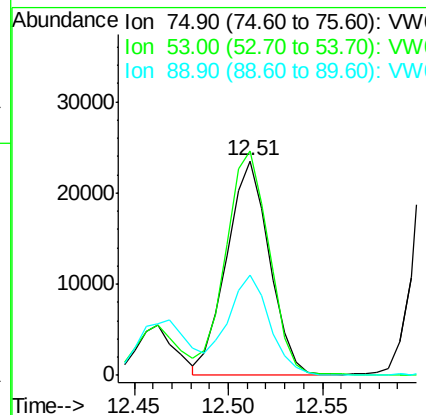
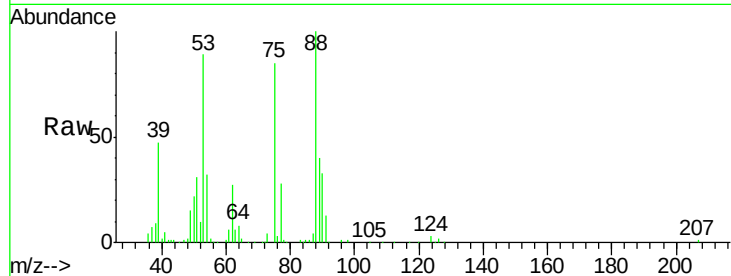
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	37218
Ion Ratio	Lower	Upper	
75	100		
53	106.0	87.6	131.4
89	45.6	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.960 ug/l

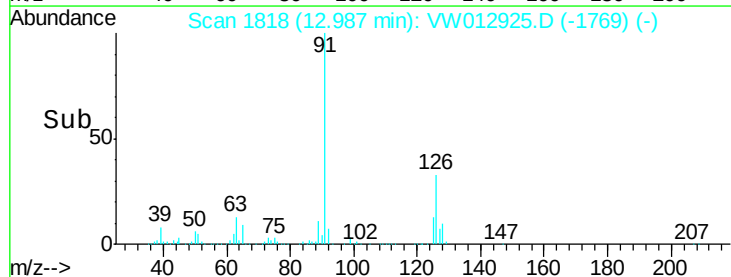
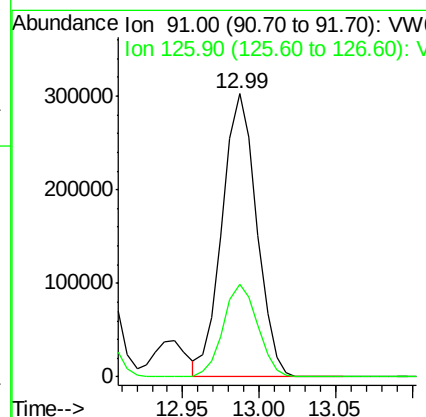
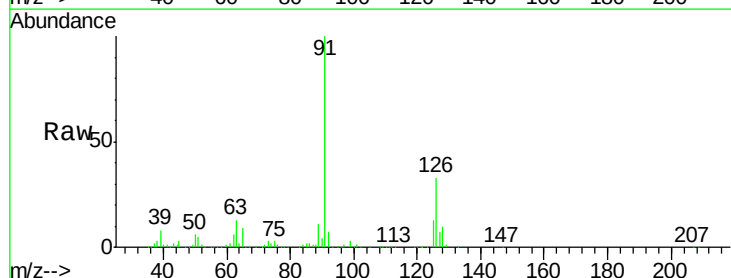
RT: 12.99 min Scan# 1818

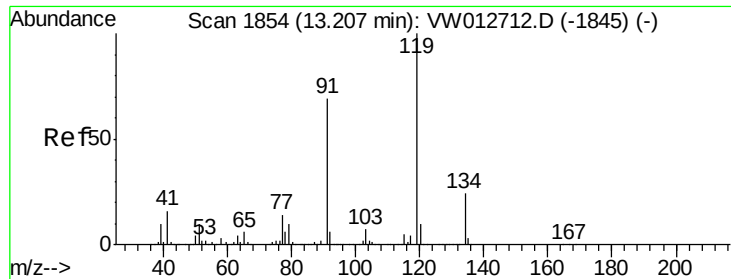
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	91	Resp:	473087
Ion Ratio	Lower	Upper	
91	100		
126	32.8	15.9	47.6





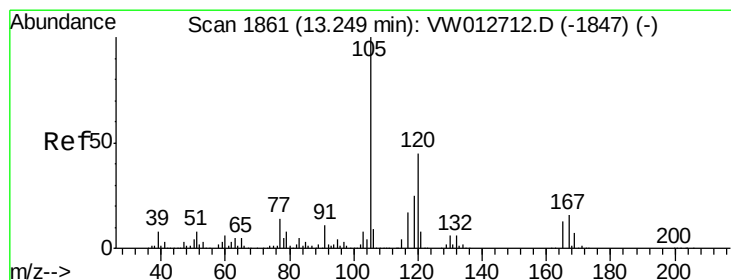
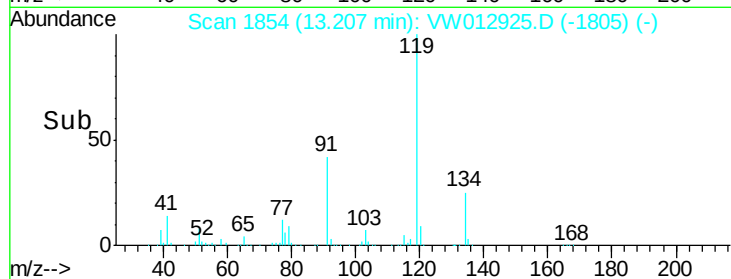
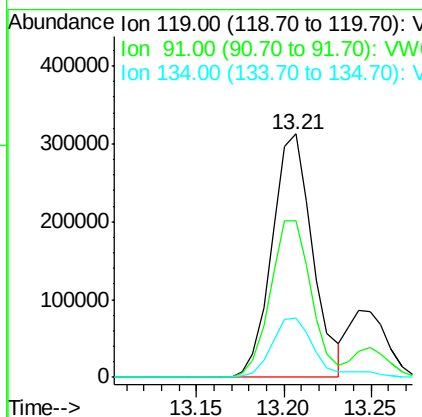
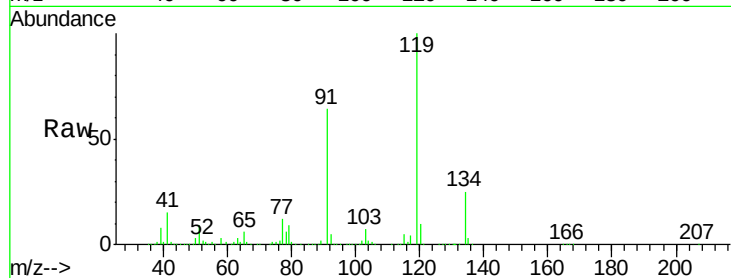
#83
 tert-Butylbenzene
 Concen: 55.157 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	34.2	102.5
134	24.8	12.3	36.9

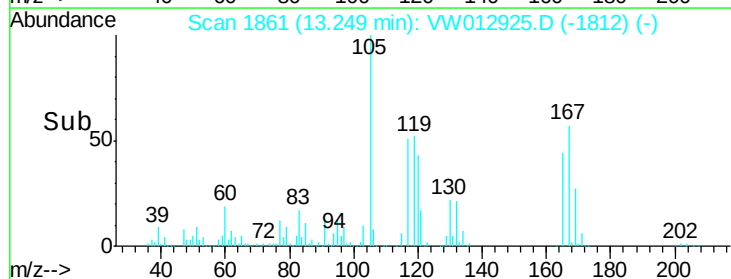
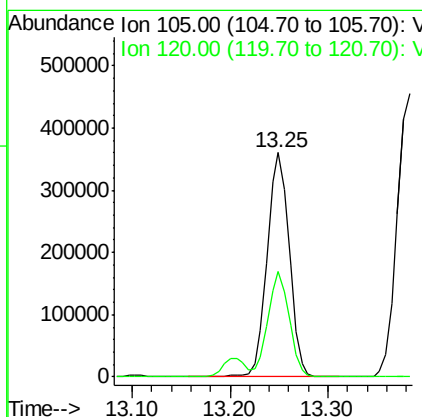
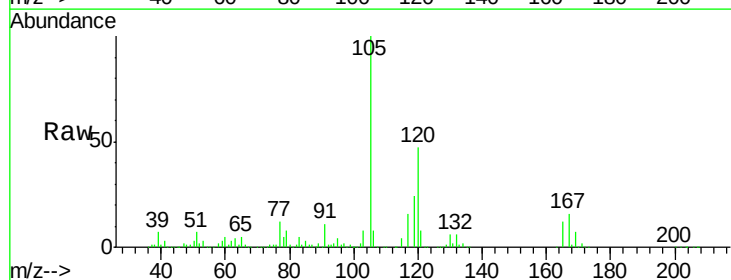
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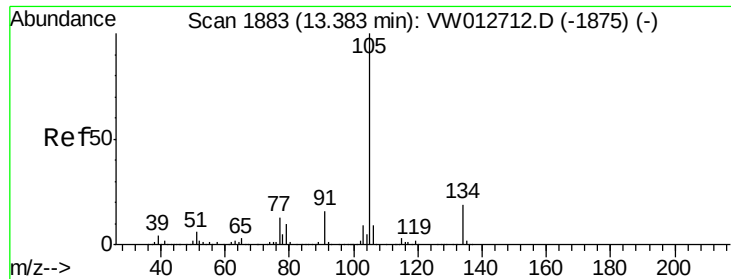
MMDadoda
 9/13/2019 1:32:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.195 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.3





#85

sec-Butylbenzene

Concen: 54.256 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 689963

Ion Ratio Lower Upper

105 100

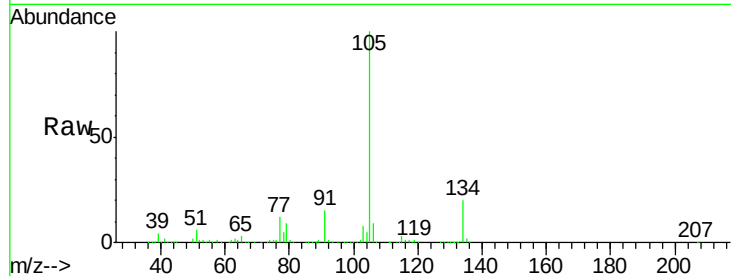
134 20.1 9.8 29.3

Manual Integrations

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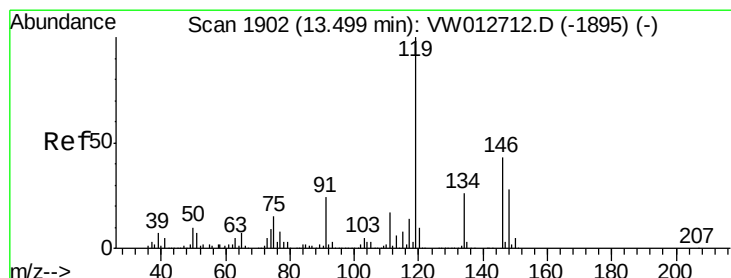
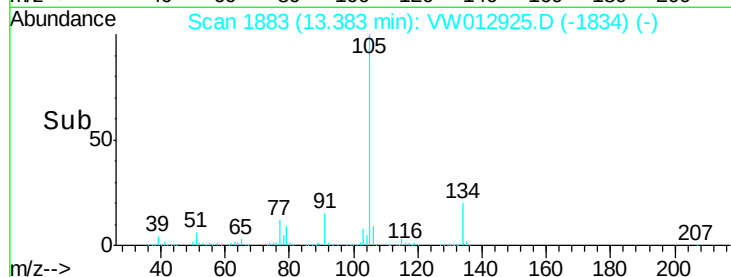
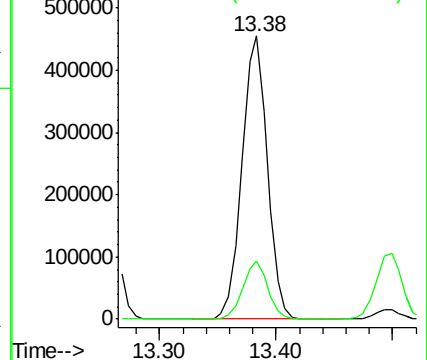
MMDadoda

9/13/2019 1:32:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.731 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

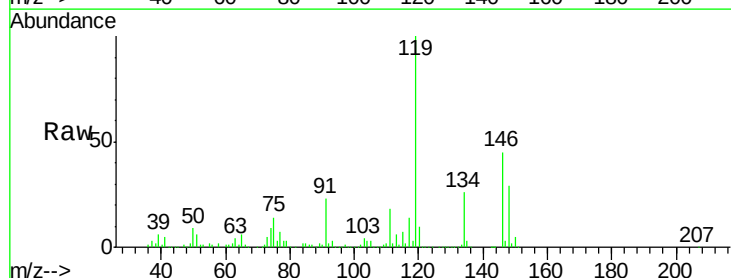
Tgt Ion:119 Resp: 635748

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

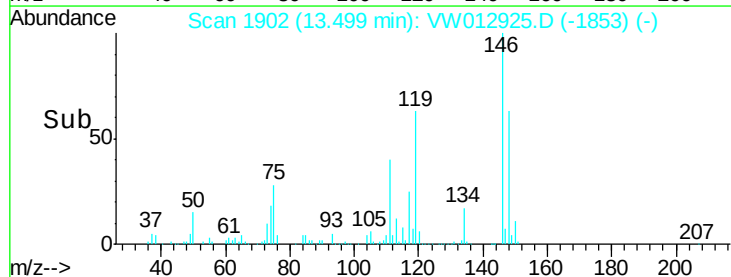
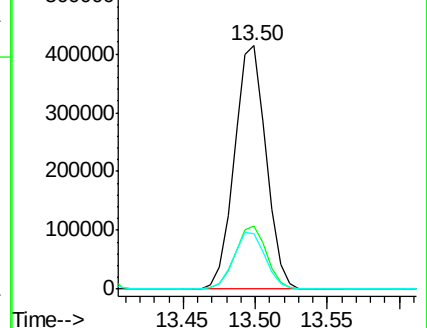
91 23.5 12.2 36.6

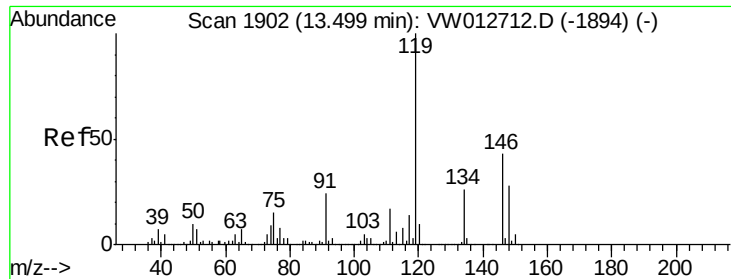


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





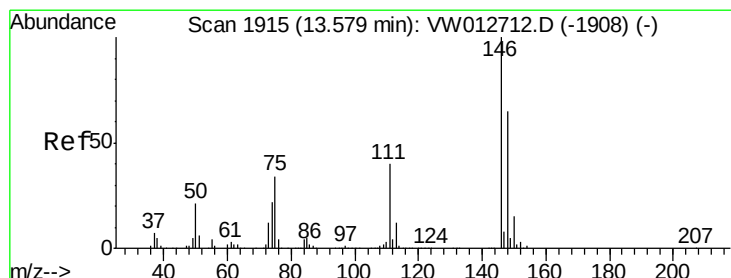
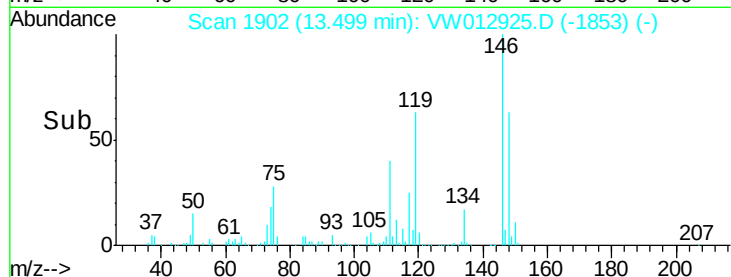
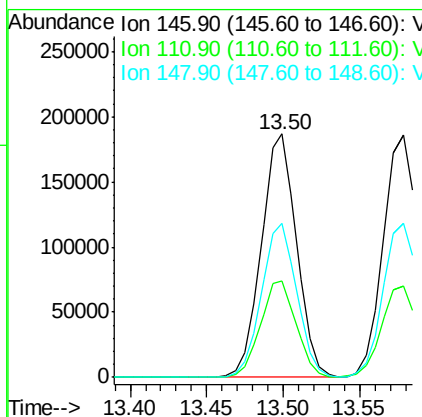
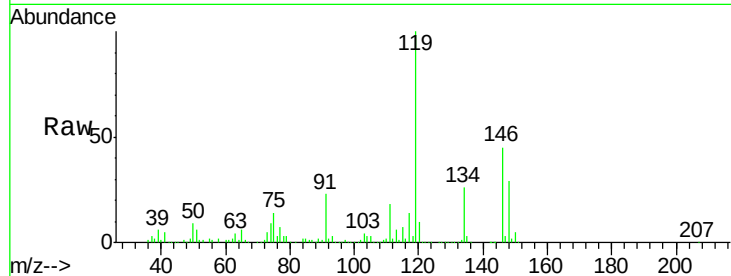
#87
 1,3-Dichlorobenzene
 Concen: 54.726 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299754		
111	40.1	20.4	61.2	
148	63.2	31.8	95.4	

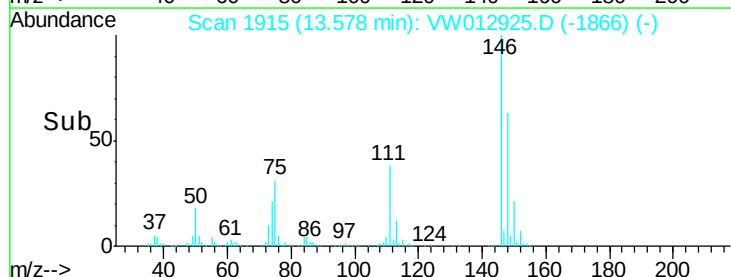
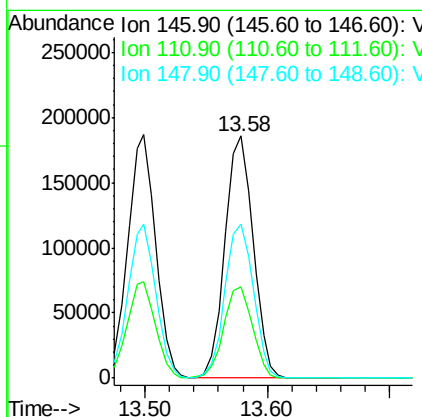
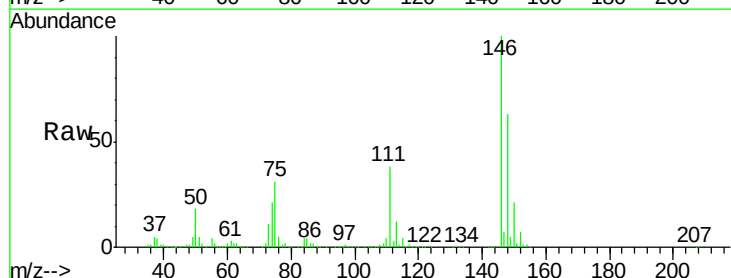
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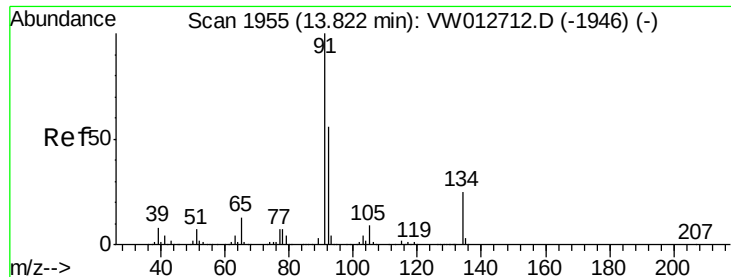
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#88
 1,4-Dichlorobenzene
 Concen: 54.422 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296619		
111	38.4	20.0	60.0	
148	64.2	32.2	96.6	





#89

n-Butylbenzene

Concen: 53.760 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Instrument :

MSVOA_W

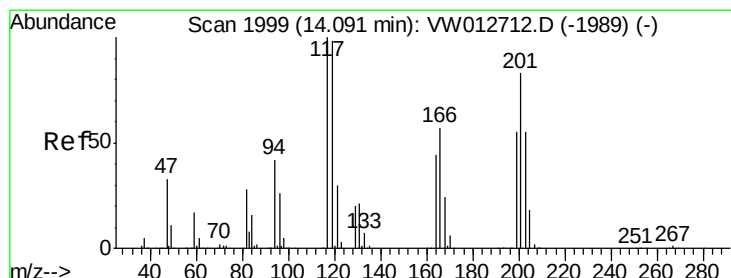
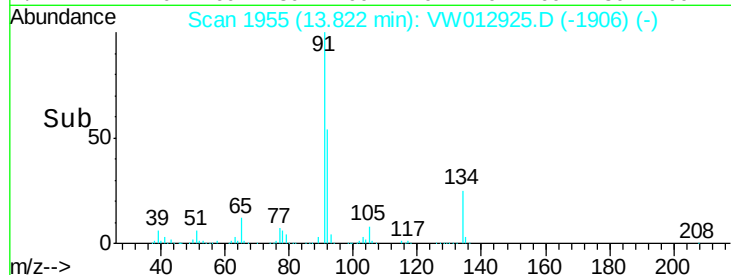
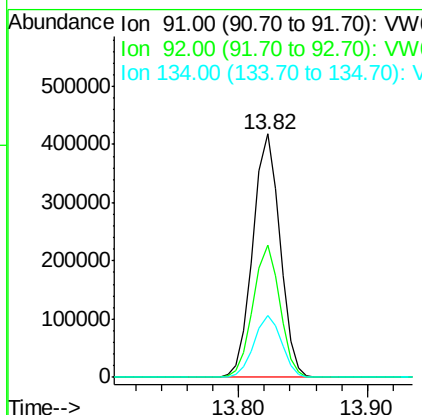
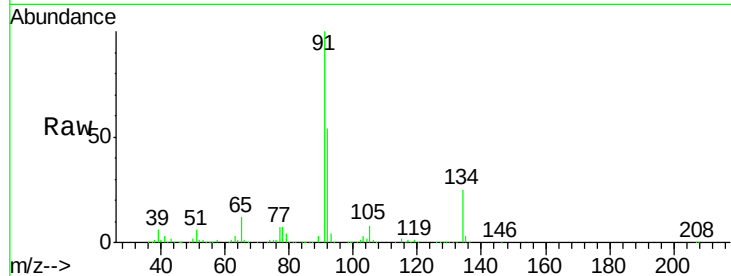
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	606255
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.2	81.5
134	25.8	12.7	38.1

Manual Integrations
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#90

Hexachloroethane

Concen: 54.307 ug/l

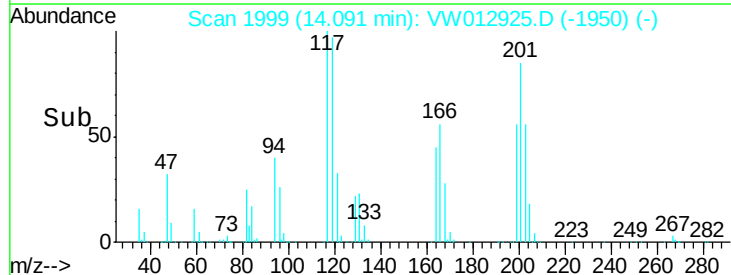
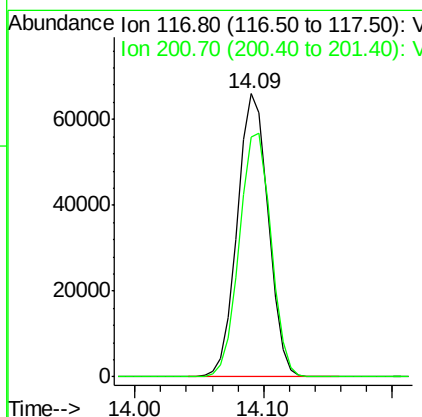
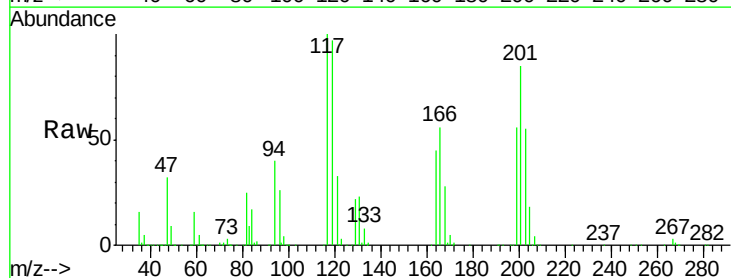
RT: 14.09 min Scan# 1999

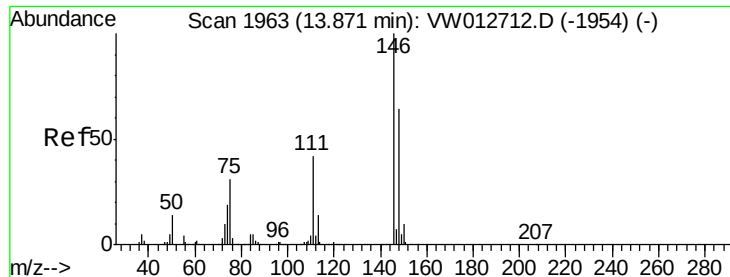
Delta R.T. -0.00 min

Lab File: VW012925.D

Acq: 11 Sep 2019 19:23

Tgt Ion:	117	Resp:	110124
Ion	Ratio	Lower	Upper
117	100		
201	87.5	42.8	128.4





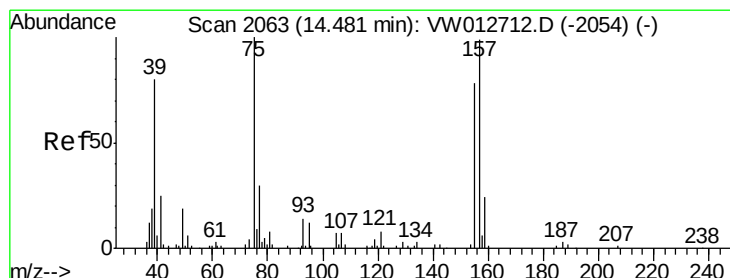
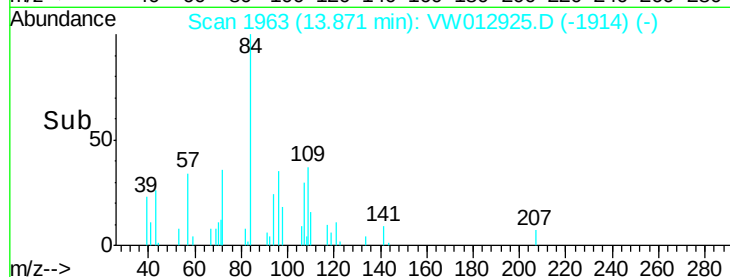
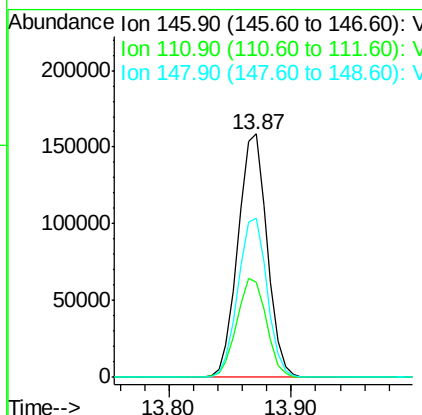
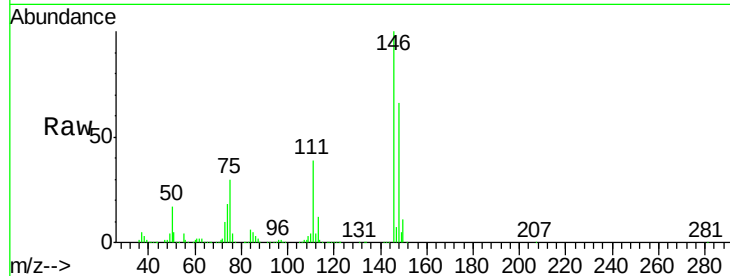
#91
 1,2-Dichlorobenzene
 Concen: 53.012 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.9
148	65.5	32.1	96.5

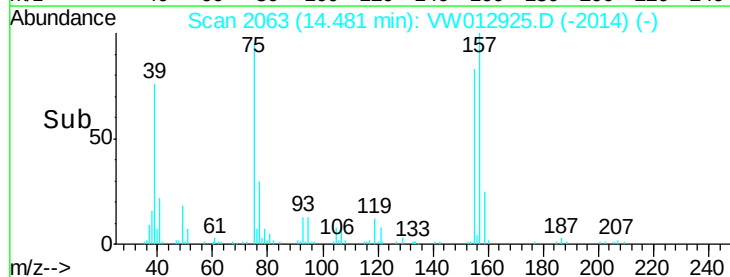
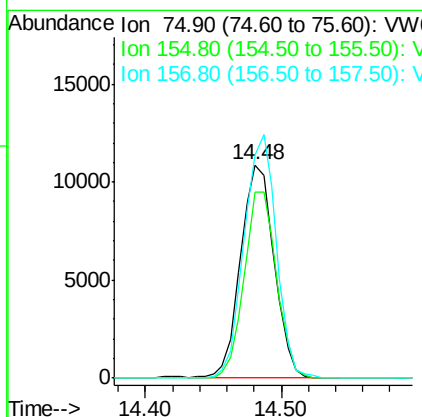
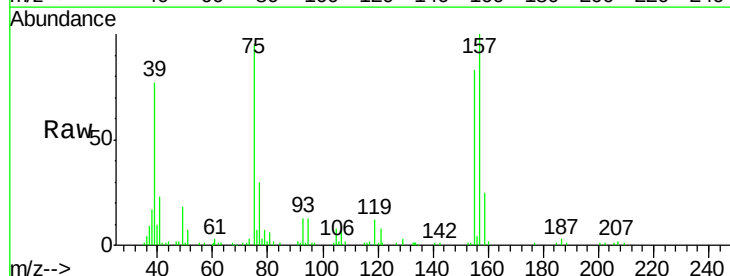
Manual Integrations
 APPROVED

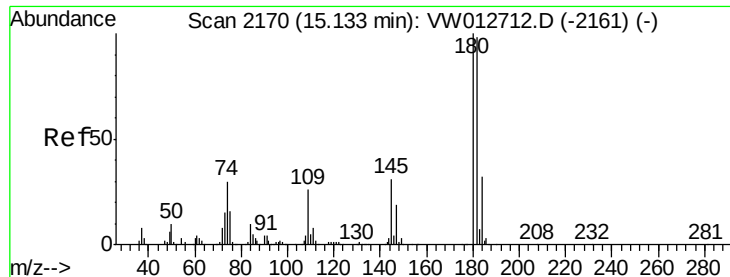
MMDadoda
 9/13/2019 1:32:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.716 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	40.6	122.0
157	109.4	52.5	157.5





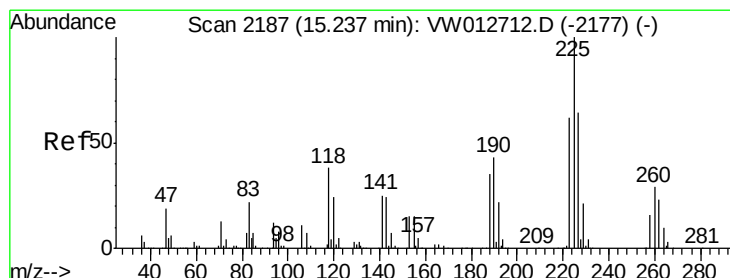
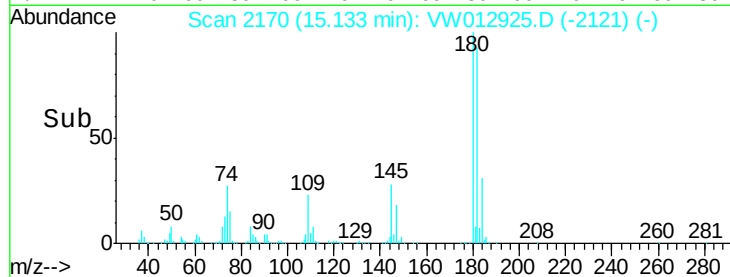
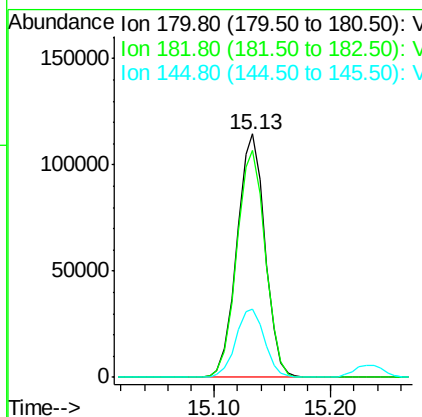
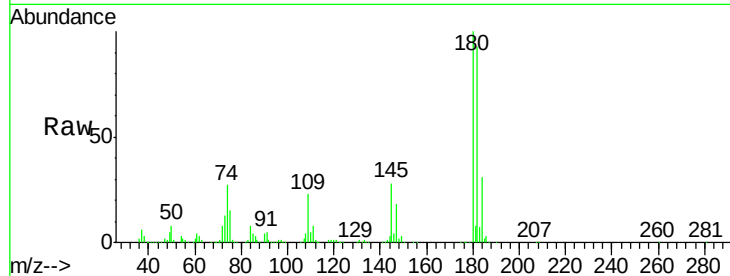
#93
 1,2,4-Trichlorobenzene
 Concen: 55.777 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	191447		
182	94.8	48.7	146.1	
145	28.7	15.0	45.1	

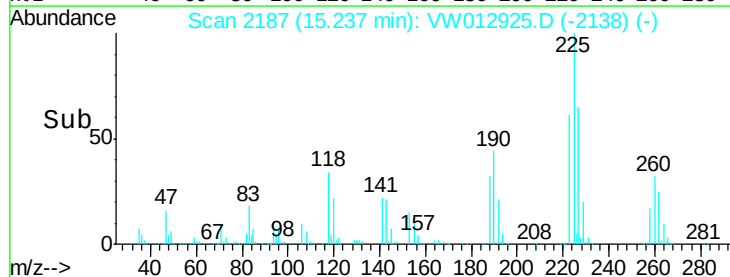
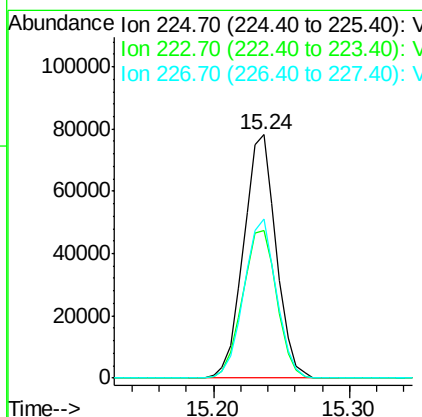
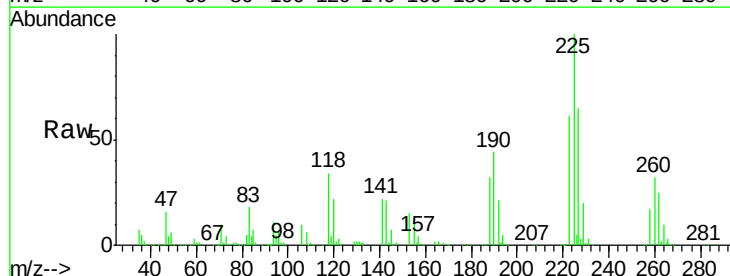
Manual Integrations
 APPROVED

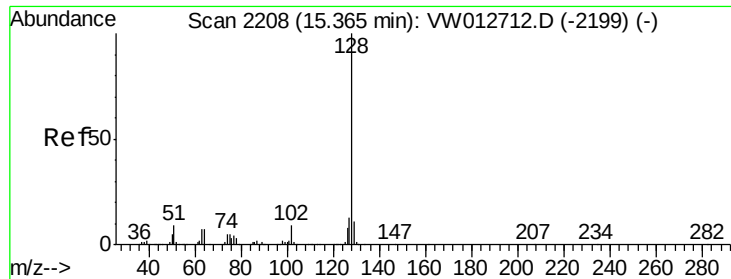
MMDadoda
 9/13/2019 1:32:25 AM



#94
 Hexachlorobutadiene
 Concen: 54.873 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012925.D
 Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130366		
223	63.7	31.1	93.3	
227	65.2	31.4	94.2	





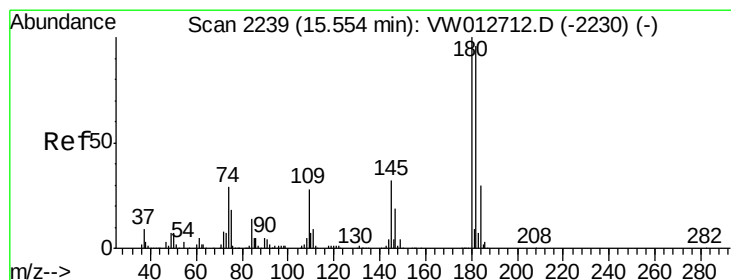
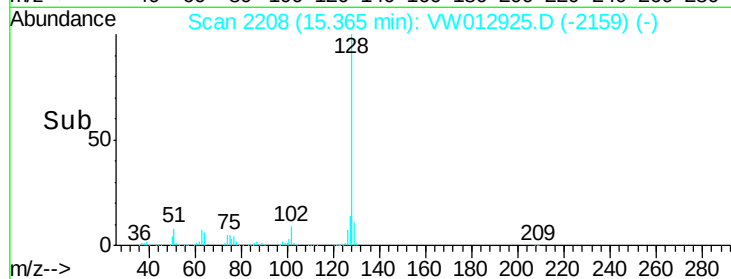
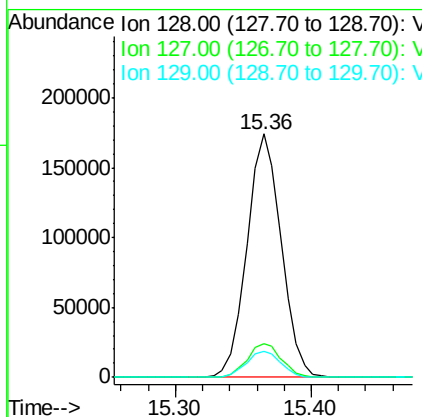
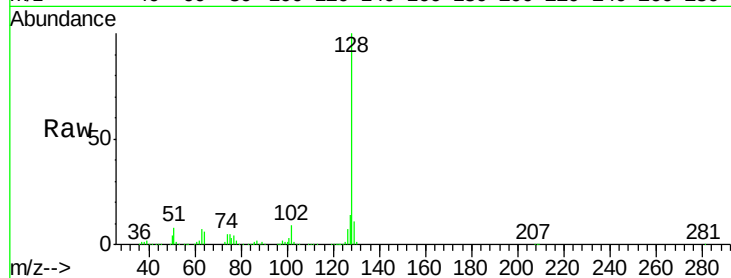
#95
Naphthalene
Concen: 43.266 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	306582		
127	13.8		10.7	16.1
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:32:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.612 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012925.D
Acq: 11 Sep 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	159403		
182	96.3		47.8	143.3
145	31.2		15.4	46.2

