

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012292.D
 Acq On : 29 Aug 2019 09:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:41:13 AM

Quant Time: Aug 30 06:59:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163210	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	148893	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.88	113	122832	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.32	98	505712	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.62	95	176776	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	89889	57.123	ug/l	100
3) Chloromethane	2.21	50	125591	51.515	ug/l	99
4) Vinyl Chloride	2.36	62	161490	54.119	ug/l	99
5) Bromomethane	2.78	94	80636	53.359	ug/l	98
6) Chloroethane	2.92	64	93493	55.541	ug/l	97
7) Trichlorofluoromethane	3.26	101	89785	59.923	ug/l	97
8) Diethyl Ether	3.68	74	75450	53.051	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	136071	53.427	ug/l	98
10) Methyl Iodide	4.27	142	193778	56.233	ug/l	98
11) Tert butyl alcohol	5.18	59	44556	243.706	ug/l	100
12) 1,1-Dichloroethene	4.04	96	139046	54.242	ug/l	96
13) Acrolein	3.90	56	36678	213.121	ug/l	95
14) Allyl chloride	4.67	41	304692	55.598	ug/l	99
15) Acrylonitrile	5.36	53	184197	261.297	ug/l	99
16) Acetone	4.13	43	195982	252.364	ug/l	99
17) Carbon Disulfide	4.38	76	413720	53.403	ug/l	100
18) Methyl Acetate	4.67	43	94408	49.082	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	229185	55.286	ug/l	95
20) Methylene Chloride	4.91	84	146407	49.870	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147629	53.705	ug/l	98
22) Diisopropyl ether	6.31	45	547012	53.850	ug/l	99
23) Vinyl Acetate	6.25	43	1710797	273.663	ug/l	100
24) 1,1-Dichloroethane	6.21	63	293087	52.991	ug/l	99
25) 2-Butanone	7.17	43	262507	248.754	ug/l	98
26) 2,2-Dichloropropane	7.16	77	173609	55.456	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	158631	54.012	ug/l	99
28) Bromochloromethane	7.51	49	121472	50.390	ug/l #	97
29) Tetrahydrofuran	7.53	42	164001	259.033	ug/l	99
30) Chloroform	7.67	83	267129	52.790	ug/l	99
31) Cyclohexane	7.96	56	277874	50.780	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	215922	53.940	ug/l	99
36) 1,1-Dichloropropene	8.08	75	226926	54.952	ug/l	99
37) Ethyl Acetate	7.25	43	117749	52.034	ug/l	100
38) Carbon Tetrachloride	8.07	117	194046	54.291	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	257524	55.511	ug/l	98
40) Benzene	8.32	78	616053	54.634	ug/l	100
41) Methacrylonitrile	7.48	41	72011	54.144	ug/l	99
42) 1,2-Dichloroethane	8.40	62	187964	53.188	ug/l	99
43) Isopropyl Acetate	8.42	43	226834	54.116	ug/l	100
44) Trichloroethene	9.09	130	149162	54.416	ug/l	100
45) 1,2-Dichloropropane	9.37	63	164238	54.120	ug/l	100
46) Dibromomethane	9.46	93	71964	53.298	ug/l	99
47) Bromodichloromethane	9.64	83	194897	54.236	ug/l	100
48) Methyl methacrylate	9.43	41	109397	54.836	ug/l	99
49) 1,4-Dioxane	9.46	88	18691	904.242	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	566662	265.791	ug/l	100
52) Toluene	10.38	92	370170	54.646	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	205704	56.196	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	247804	56.067	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102304	53.552	ug/l	98
56) Ethyl methacrylate	10.65	69	156818	56.401	ug/l	98
57) 1,3-Dichloropropane	10.93	76	195841	54.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	390737	273.824	ug/l	99
59) 2-Hexanone	10.97	43	405417	268.752	ug/l	99
60) Dibromochloromethane	11.13	129	116868	54.923	ug/l	100
61) 1,2-Dibromoethane	11.23	107	96739	54.355	ug/l	99
64) Tetrachloroethene	10.86	164	121208	53.953	ug/l	99
65) Chlorobenzene	11.66	112	369330	54.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	129745	54.508	ug/l	99
67) Ethyl Benzene	11.73	91	729061	55.469	ug/l	100
68) m/p-Xylenes	11.84	106	522169	110.291	ug/l	99
69) o-Xylene	12.16	106	243013	55.458	ug/l	99
70) Styrene	12.18	104	420282	55.412	ug/l	99
71) Bromoform	12.35	173	65013	54.820	ug/l #	99
73) Isopropylbenzene	12.46	105	684031	55.933	ug/l	99
74) N-amyl acetate	12.27	43	206282	55.829	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119078	53.111	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81895m	51.521	ug/l	
77) Bromobenzene	12.75	156	147599	55.788	ug/l	97
78) n-propylbenzene	12.80	91	836126	56.004	ug/l	99
79) 2-Chlorotoluene	12.89	91	469187	55.353	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	574465	56.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40999	56.552	ug/l	96
82) 4-Chlorotoluene	12.99	91	486269	54.789	ug/l	100
83) tert-Butylbenzene	13.21	119	491834	56.818	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	568706	55.401	ug/l	99
85) sec-Butylbenzene	13.38	105	695767	56.102	ug/l	100
86) p-Isopropyltoluene	13.50	119	629177	56.808	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	284750	55.025	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	279337	54.363	ug/l	100
89) n-Butylbenzene	13.82	91	632076	57.389	ug/l	100
90) Hexachloroethane	14.09	117	107355	55.248	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	248777	54.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20271	53.631	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185752	59.208	ug/l	99
94) Hexachlorobutadiene	15.24	225	119876	57.868	ug/l	97
95) Naphthalene	15.36	128	342972	55.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	161360	58.951	ug/l	99

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

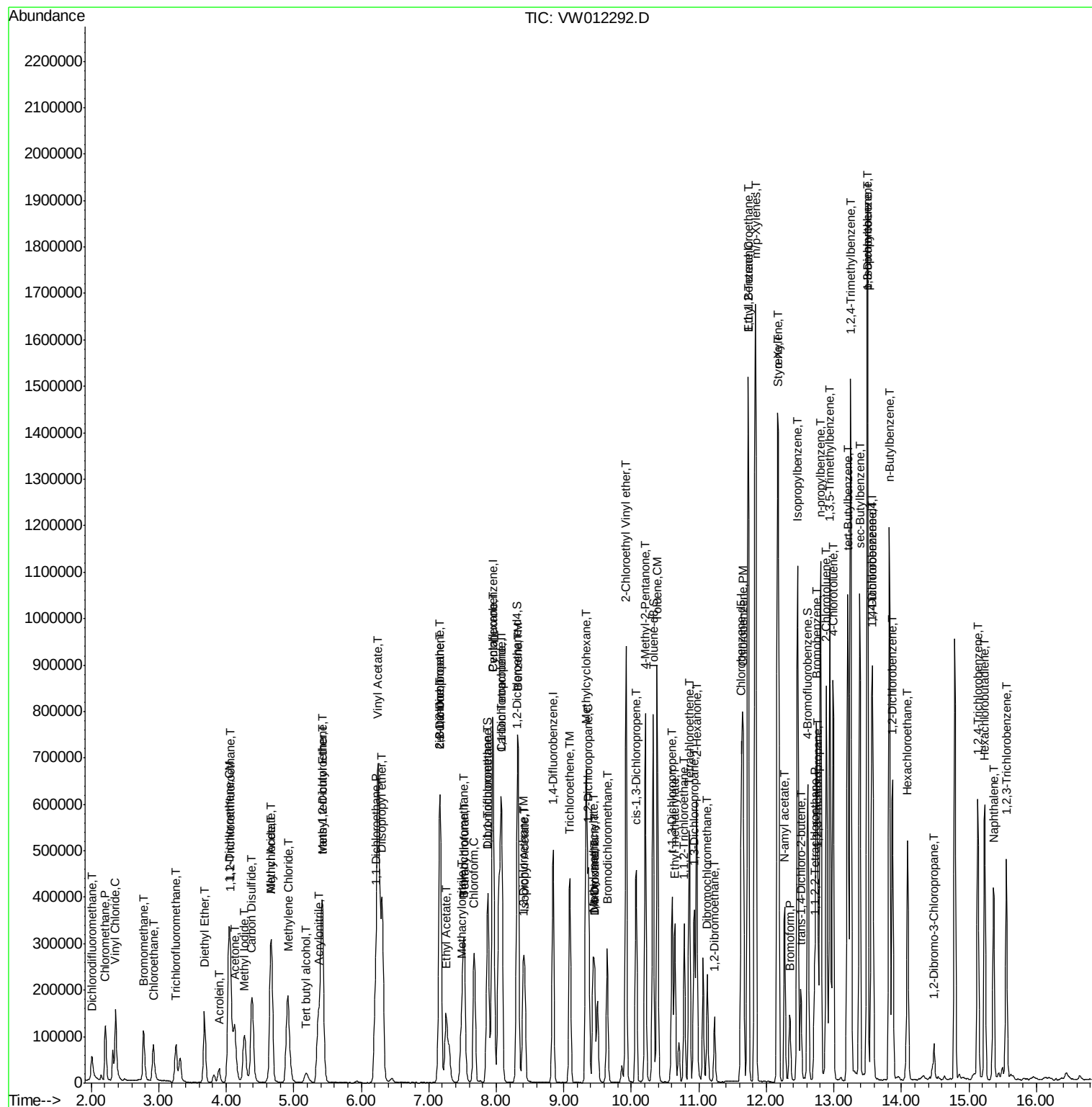
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082919\
Data File : VW012292.D
Acq On : 29 Aug 2019 09:30
Operator : SY/VA
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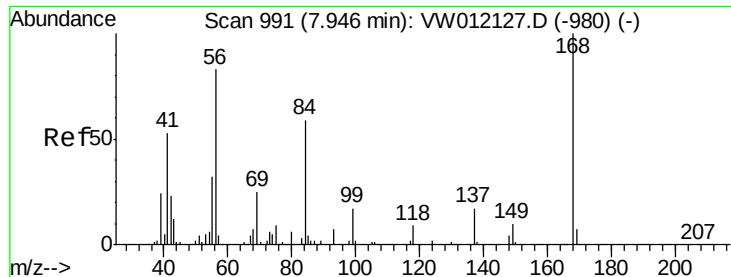
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 255564

Ion Ratio Lower Upper

168 100

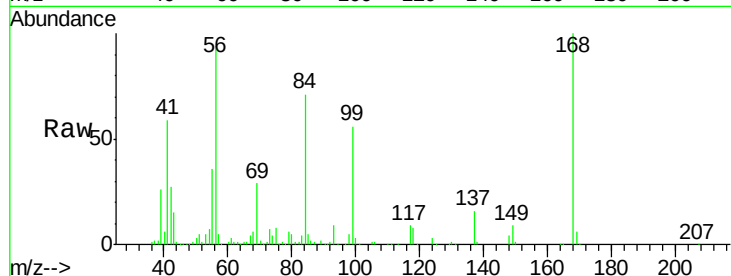
99 55.6 49.2 73.8

Manual Integrations

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8/30/2019 11:41:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

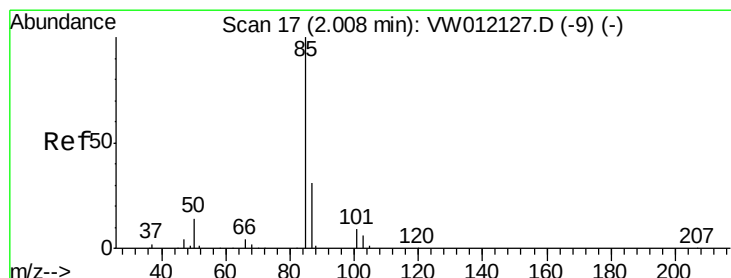
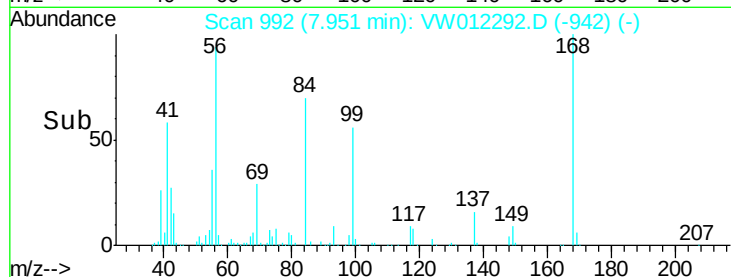
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.123 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012292.D

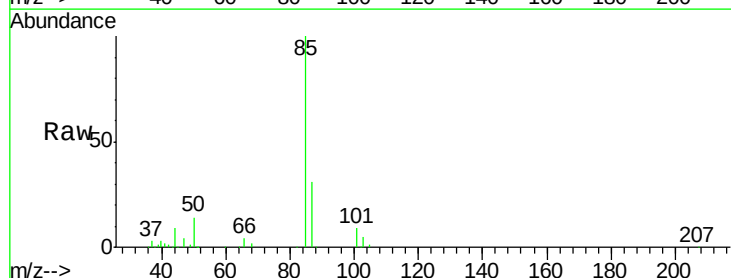
Acq: 29 Aug 2019 09:30

Tgt Ion: 85 Resp: 89889

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

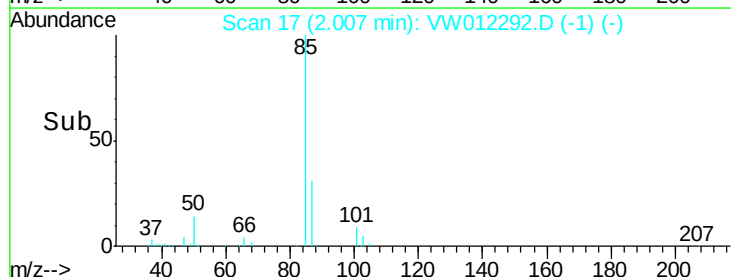
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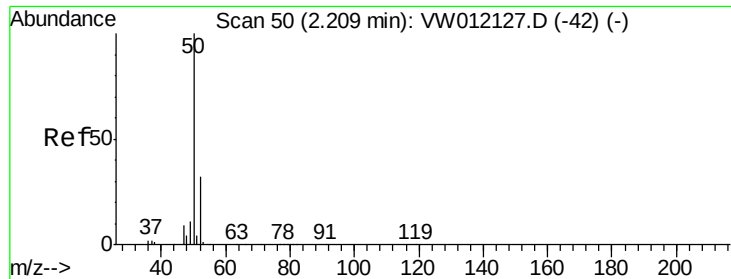
20000

10000

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Time-->





#3

Chloromethane

Concen: 51.515 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125591

Ion Ratio Lower Upper

50 100

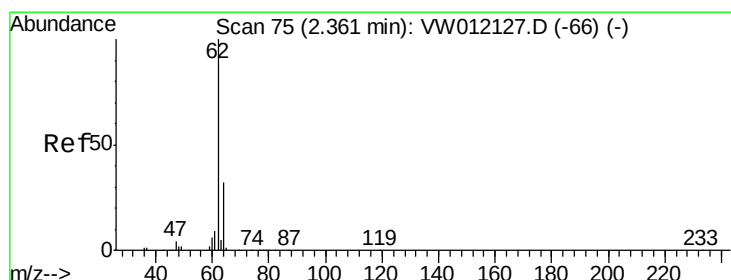
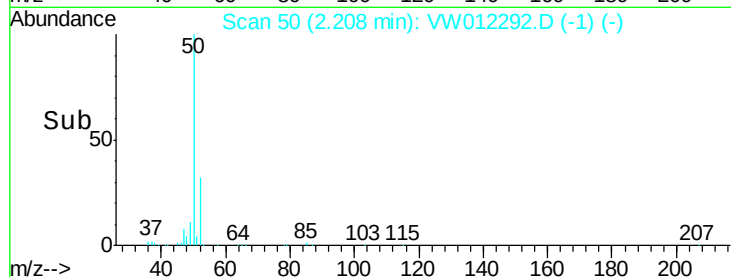
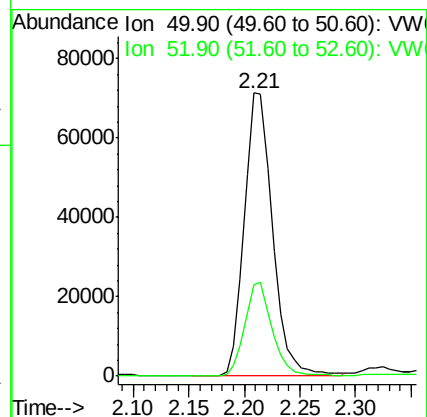
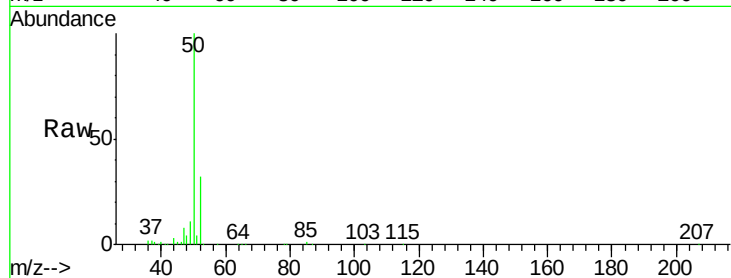
52 32.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.119 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012292.D

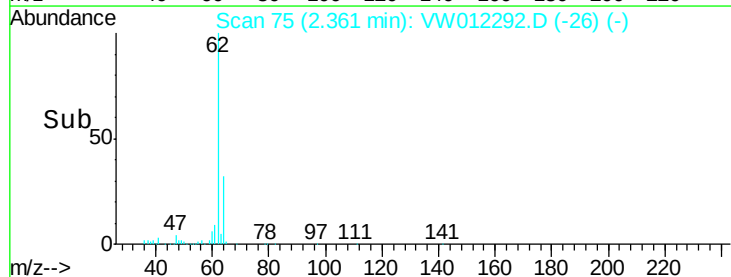
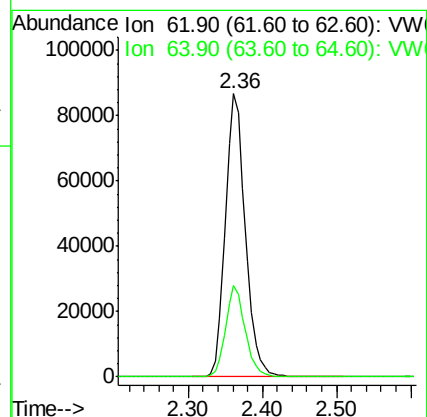
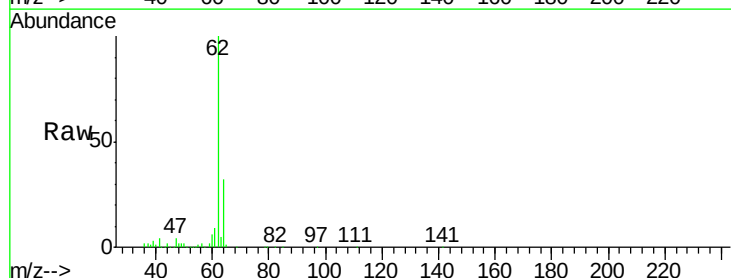
Acq: 29 Aug 2019 09:30

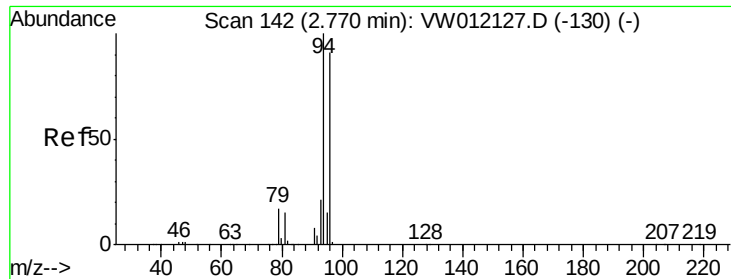
Tgt Ion: 62 Resp: 161490

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 53.359 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80636

Ion Ratio Lower Upper

94 100

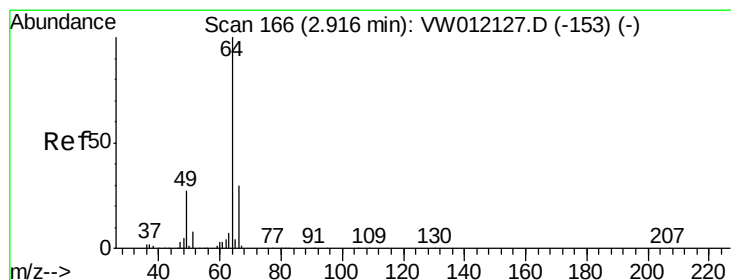
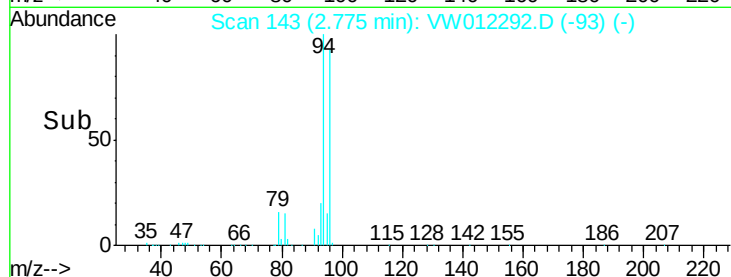
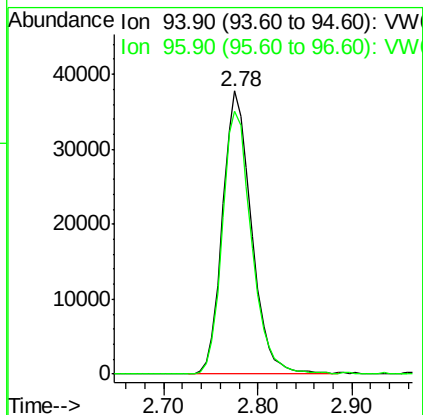
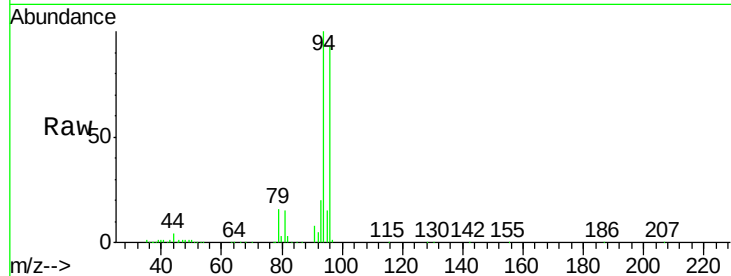
96 92.7 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 55.541 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012292.D

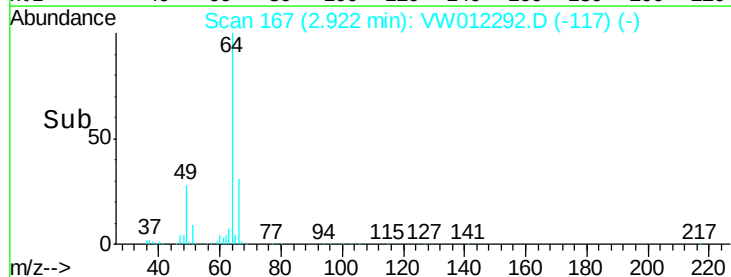
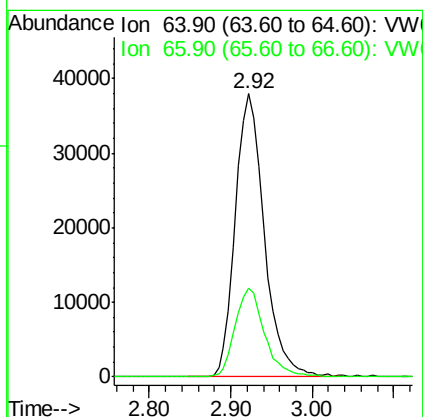
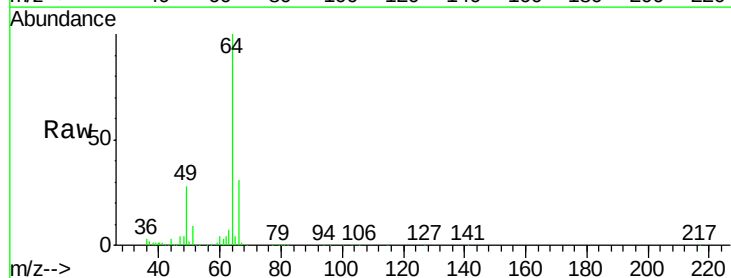
Acq: 29 Aug 2019 09:30

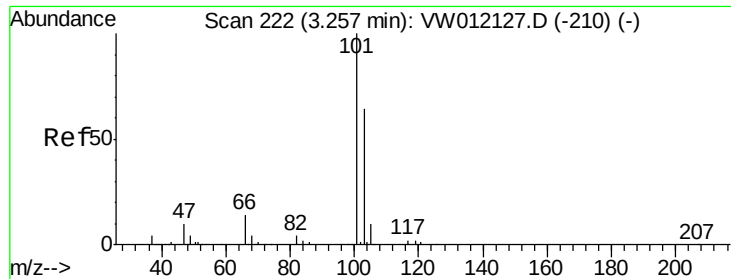
Tgt Ion: 64 Resp: 93493

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.8





#7

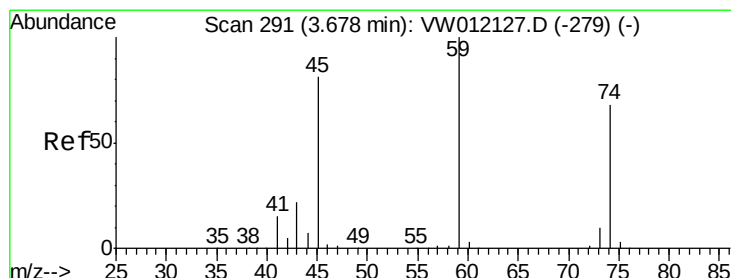
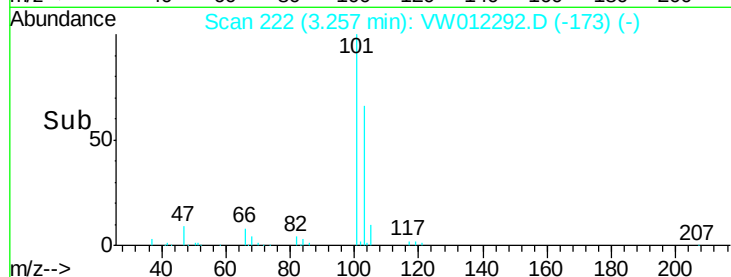
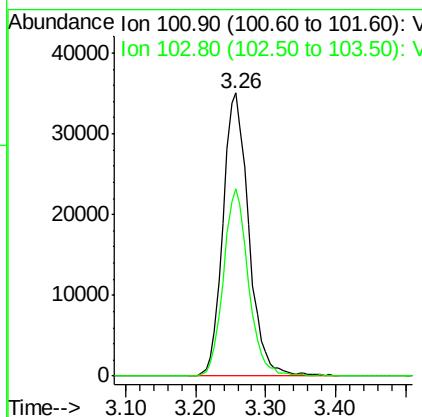
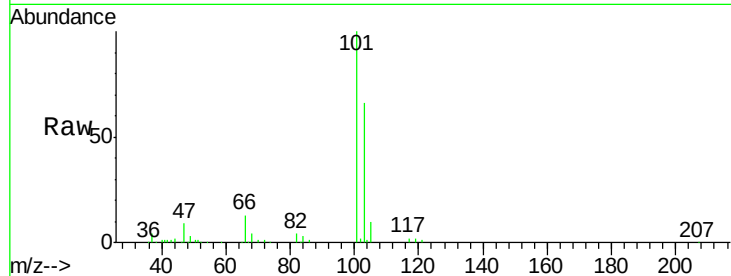
Trichlorofluoromethane
 Concen: 59.923 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

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 MSVOA_W
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.2	76.8

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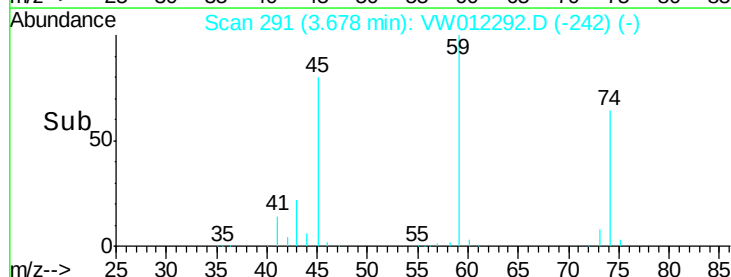
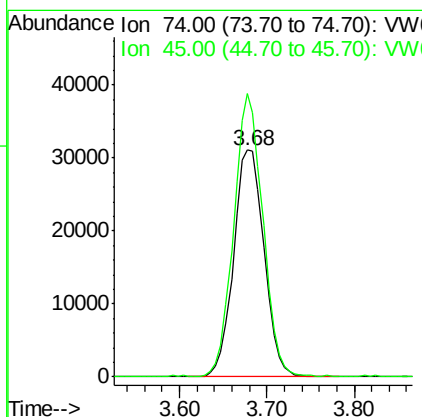
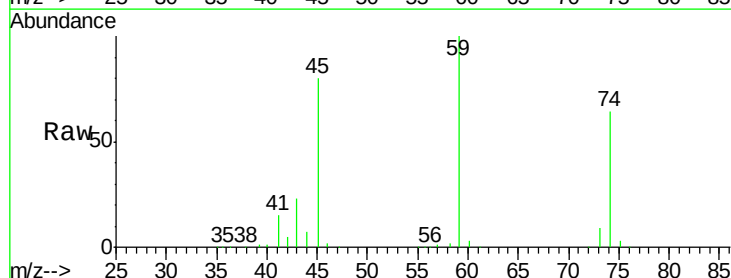
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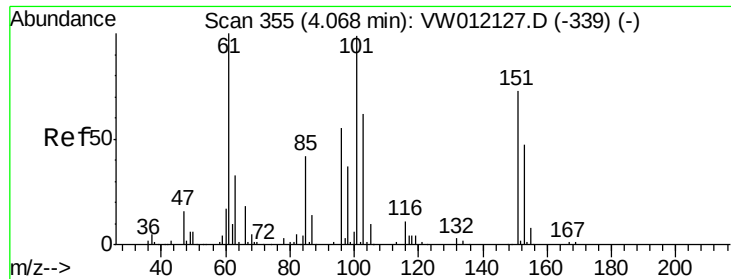


#8

Diethyl Ether
 Concen: 53.051 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.1	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.427 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012292.D

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MSVOA_W

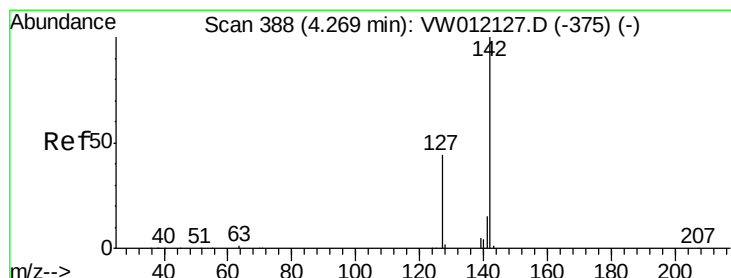
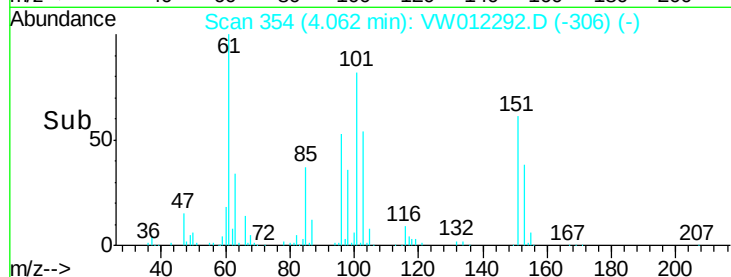
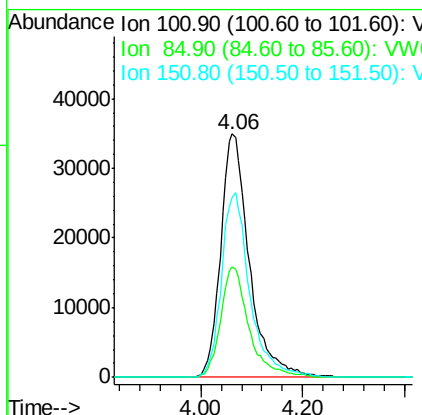
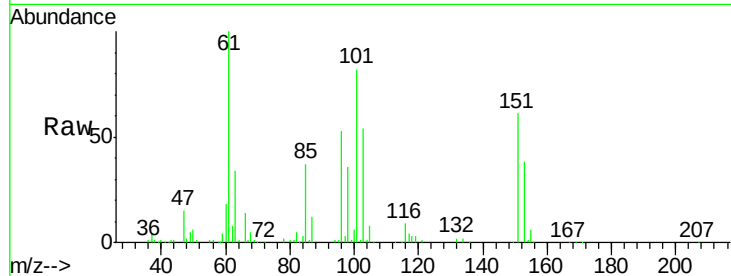
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	136071
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.8	53.6
151	75.6	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 56.233 ug/l

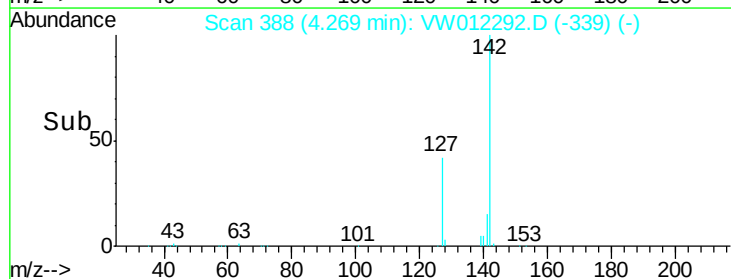
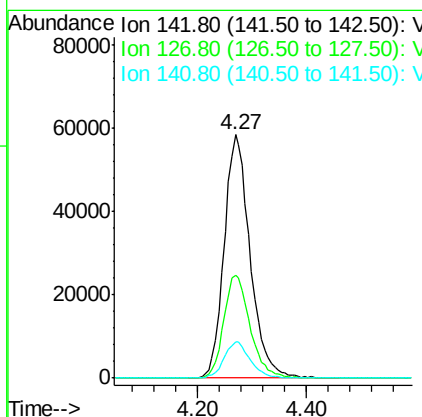
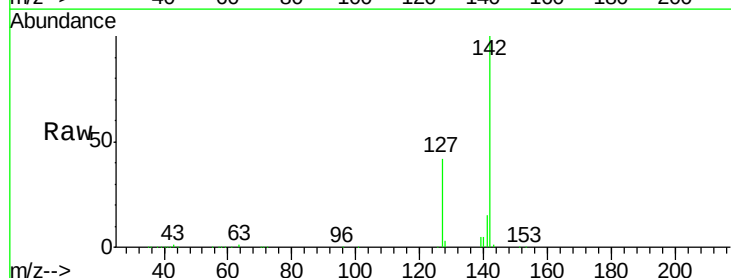
RT: 4.27 min Scan# 388

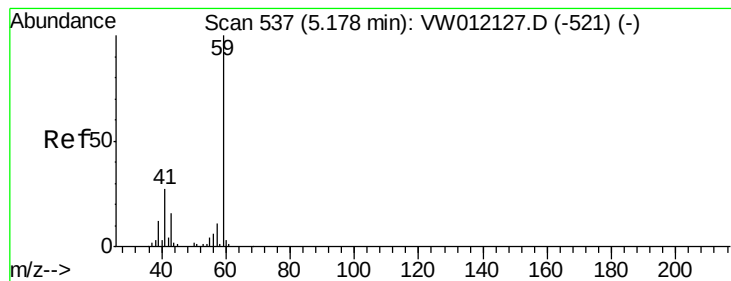
Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion:	142	Resp:	193778
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.5	53.3
141	15.0	11.8	17.8





#11

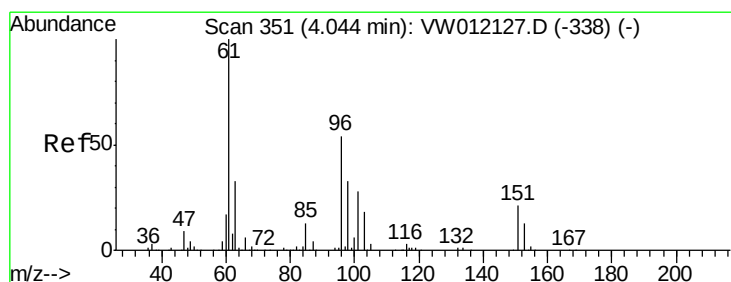
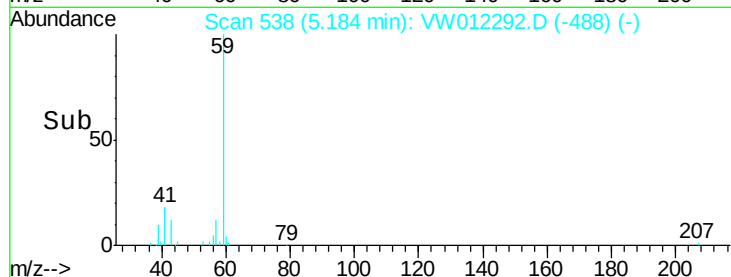
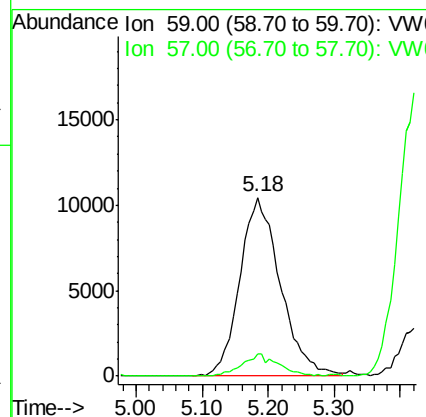
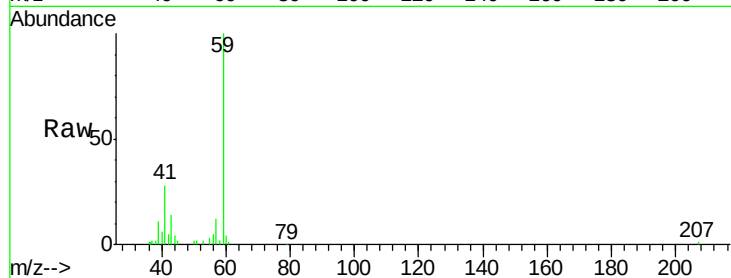
Tert butyl alcohol
Concen: 243.706 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.2	Resp:	44556	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	11.2	Resp:	44556	Lower	9.0	Upper	13.4

Manual Integrations
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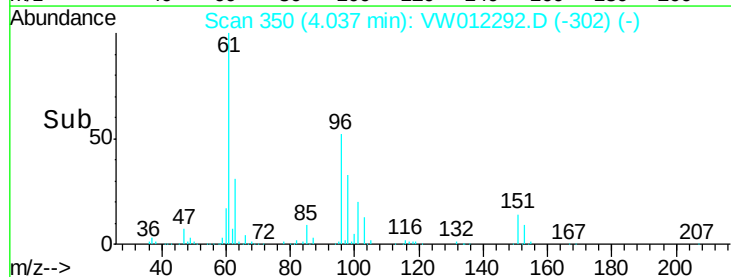
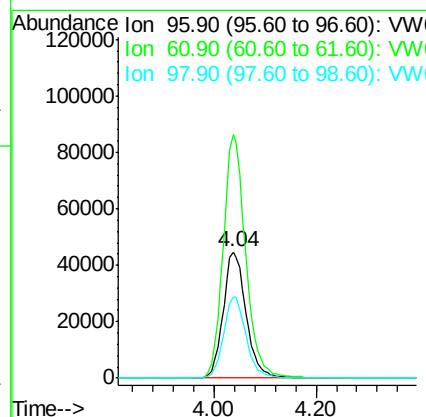
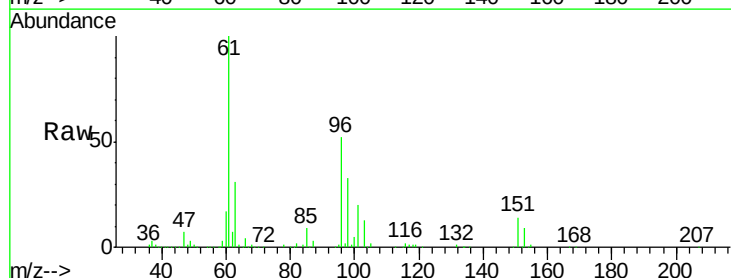
MMDadoda
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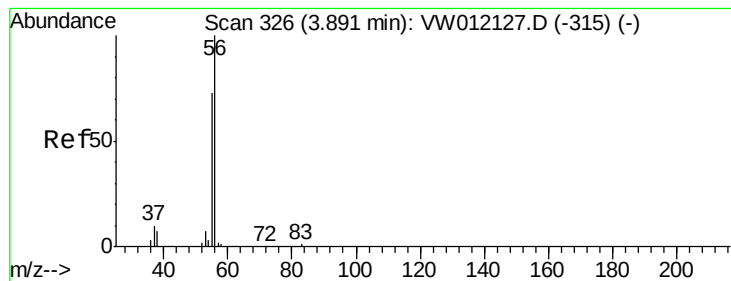


#12

1,1-Dichloroethene
Concen: 54.242 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	96	61	98	Ratio	100	192.9	64.0	Resp:	139046	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96	61	98	Ratio	100	192.9	64.0	Resp:	139046	Lower	149.1	49.4	Upper	223.7	74.2





#13

Acrolein

Concen: 213.121 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36678

Ion Ratio Lower Upper

56 100

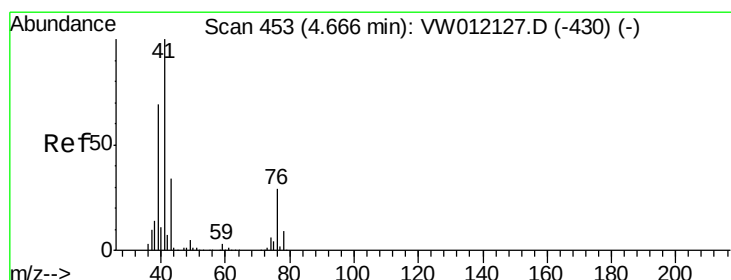
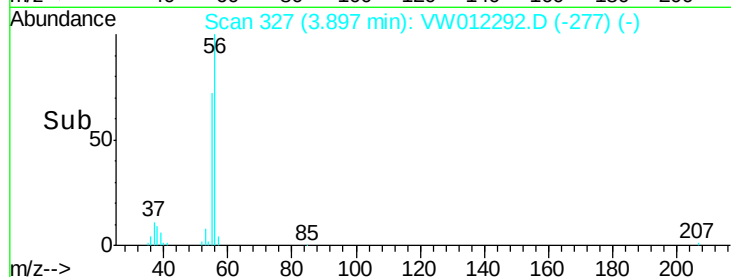
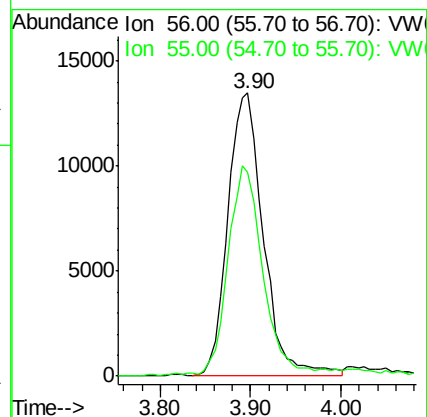
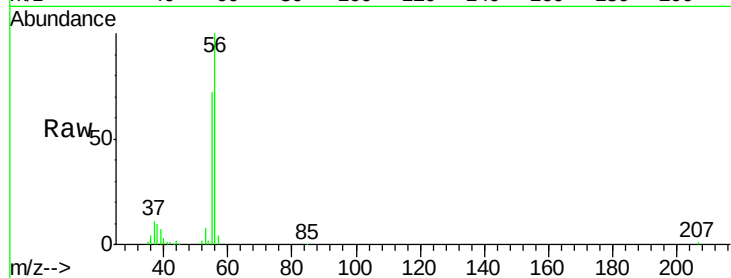
55 74.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 55.598 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

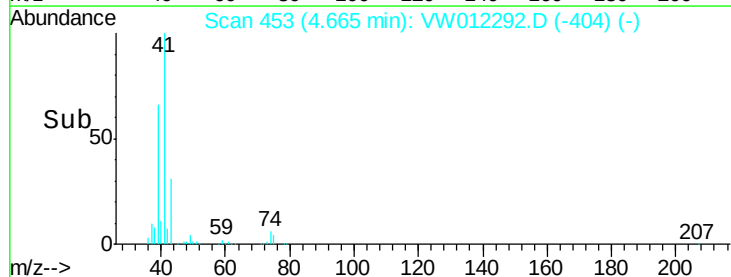
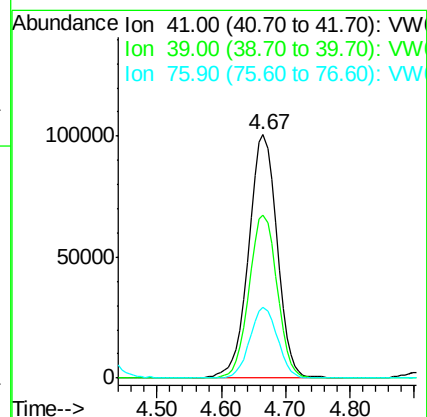
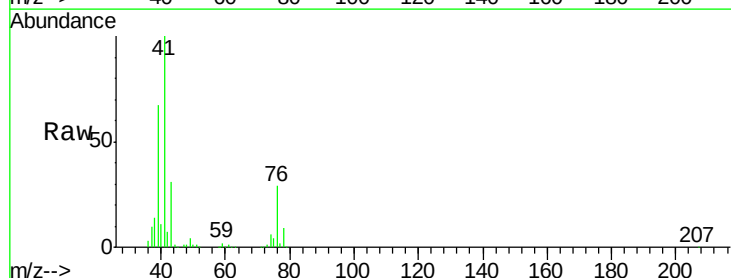
Tgt Ion: 41 Resp: 304692

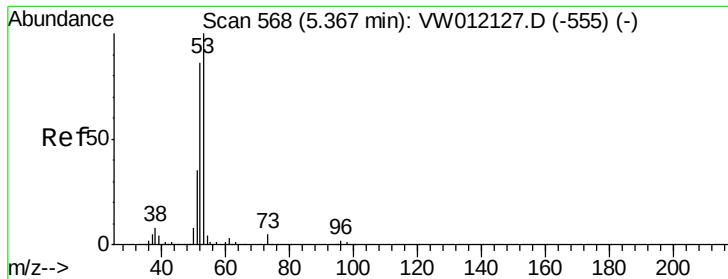
Ion Ratio Lower Upper

41 100

39 66.1 53.4 80.2

76 28.2 22.1 33.1





#15

Acrylonitrile

Concen: 261.297 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

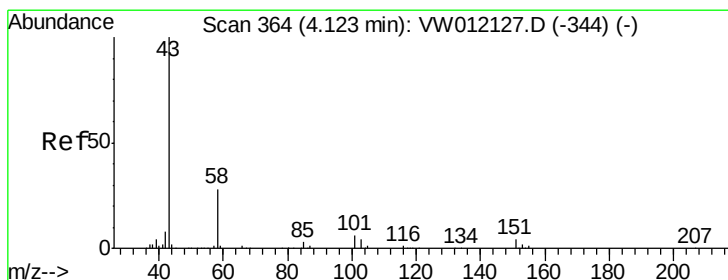
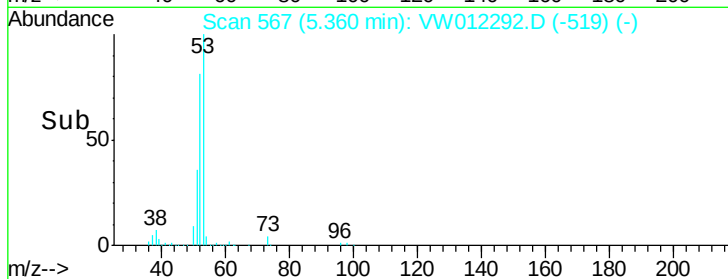
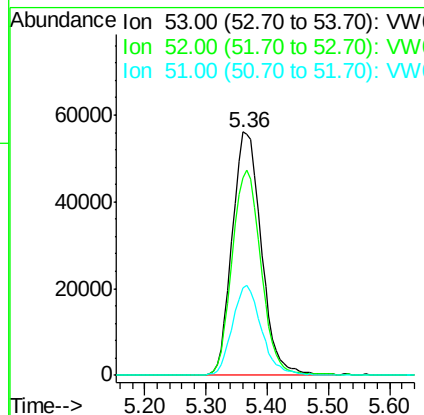
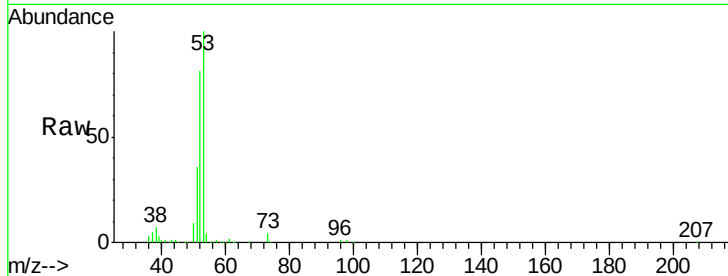
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	184197
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	37.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 252.364 ug/l

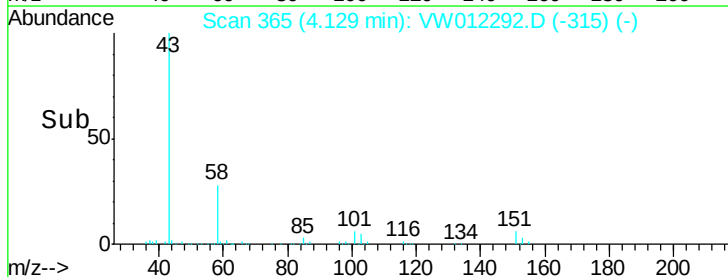
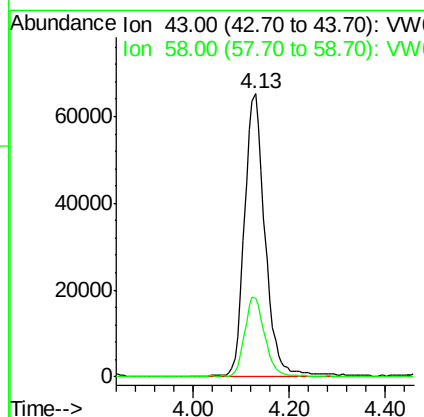
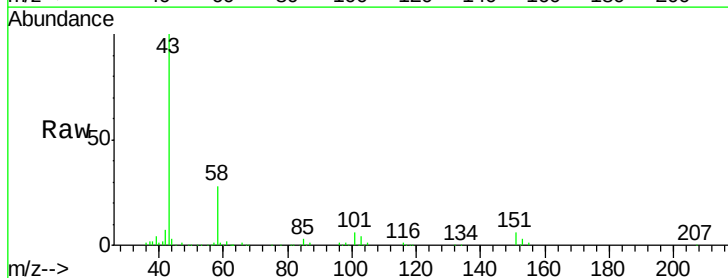
RT: 4.13 min Scan# 365

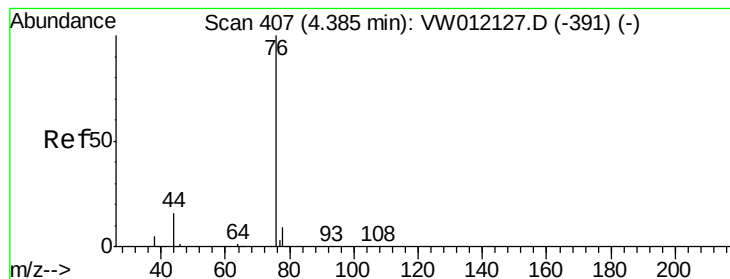
Delta R.T. 0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion:	43	Resp:	195982
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6





#17

Carbon Disulfide

Concen: 53.403 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 413720

Ion Ratio Lower Upper

76 100

78 9.1

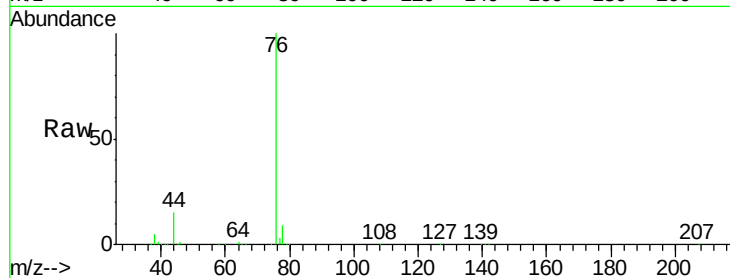
7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

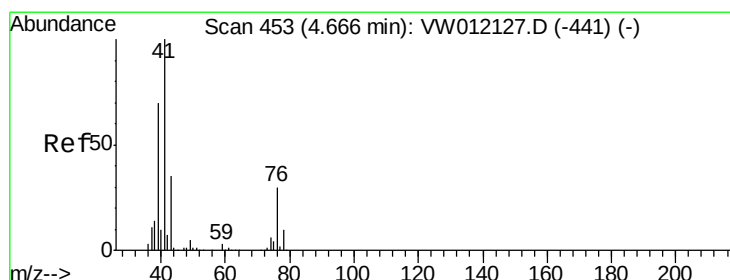
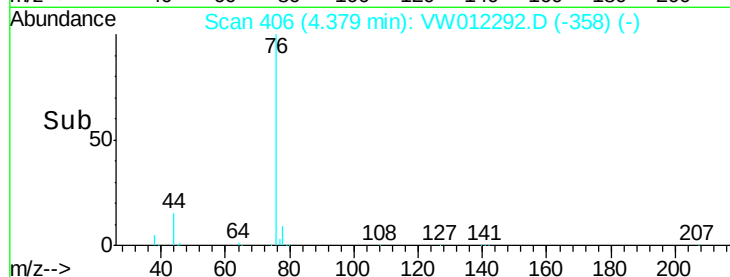
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 49.082 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

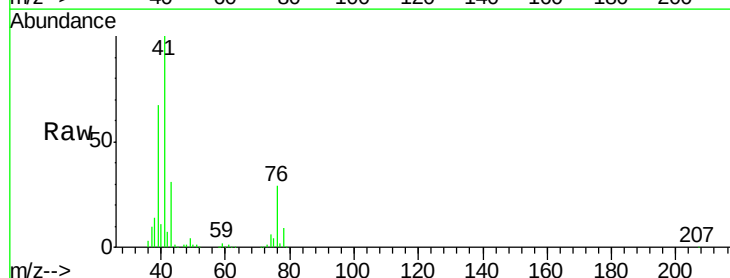
Tgt Ion: 43 Resp: 94408

Ion Ratio Lower Upper

43 100

74 19.9

15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

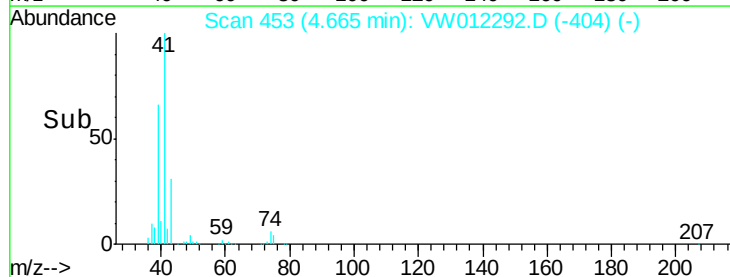
30000

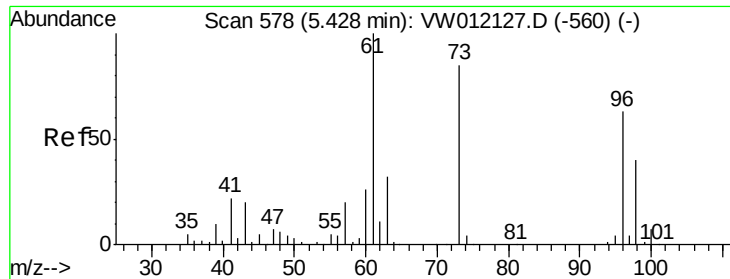
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





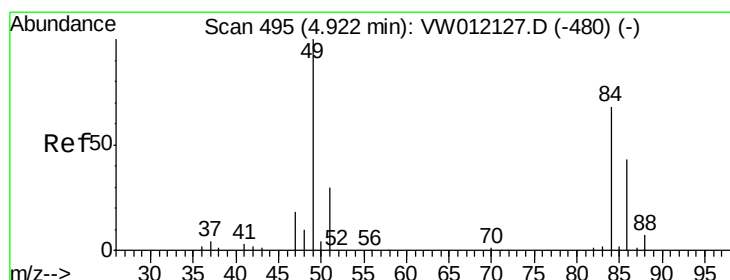
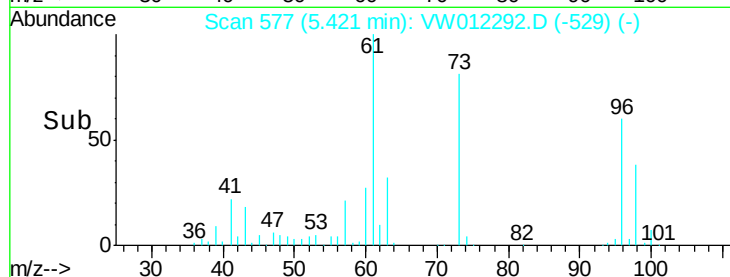
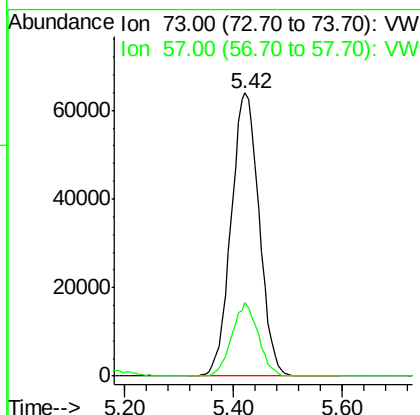
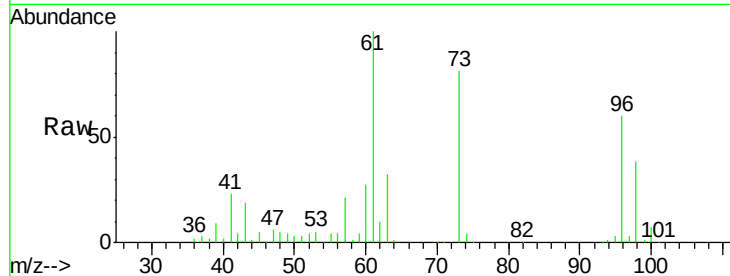
#19
Methyl tert-butyl Ether
Concen: 55.286 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 229185
Ion Ratio Lower Upper
73 100
57 25.9 18.9 28.3

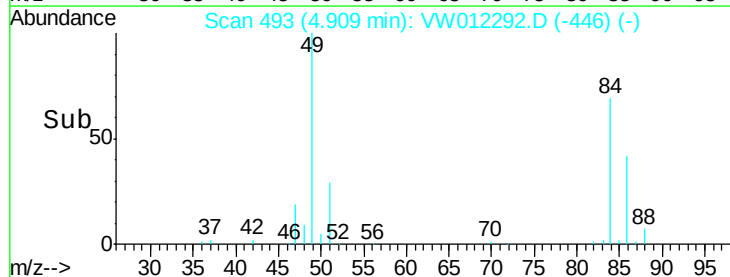
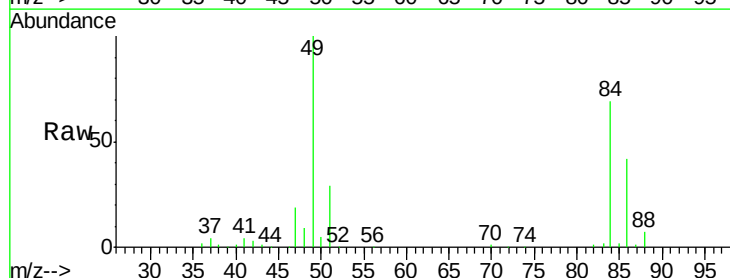
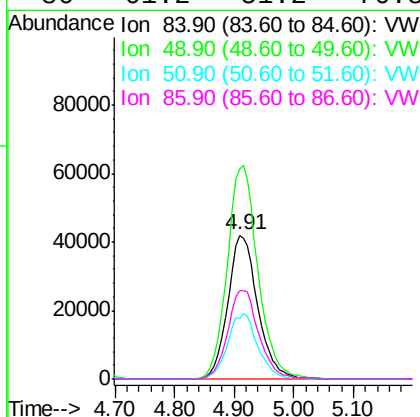
Manual Integrations
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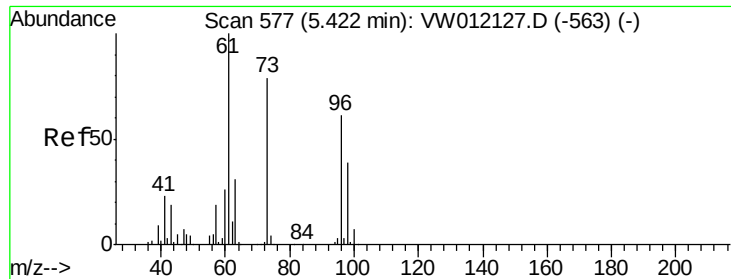
MMDadoda
8/30/2019 11:41:13 AM



#20
Methylene Chloride
Concen: 49.870 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 84 Resp: 146407
Ion Ratio Lower Upper
84 100
49 145.5 117.8 176.8
51 42.2 35.6 53.4
86 61.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.705 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 147629

Ion Ratio Lower Upper

96 100

61 161.2 131.4 197.0

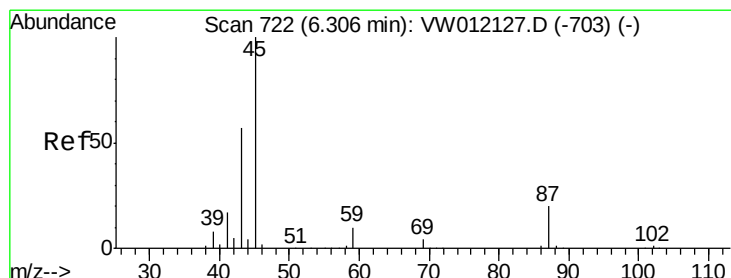
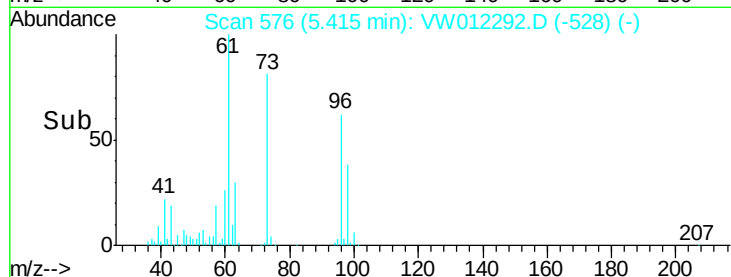
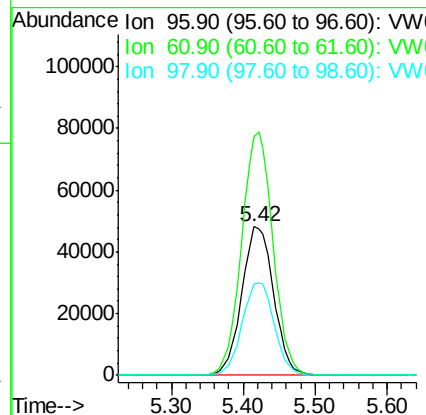
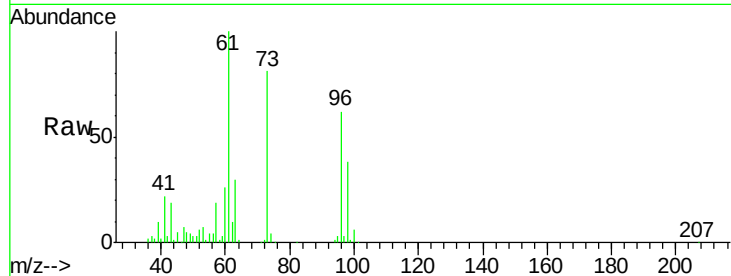
98 61.9 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.850 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion: 45 Resp: 547012

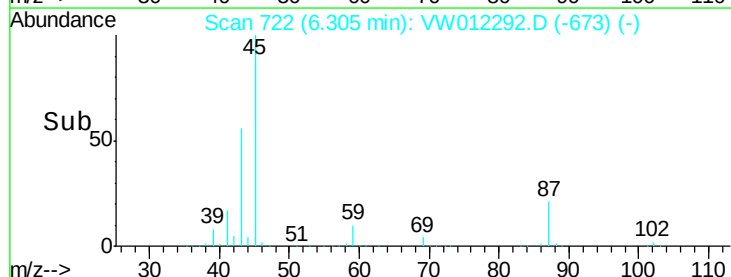
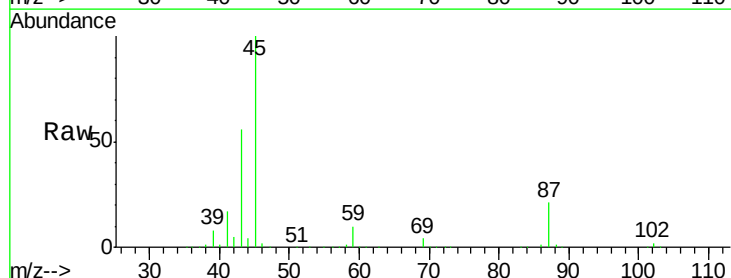
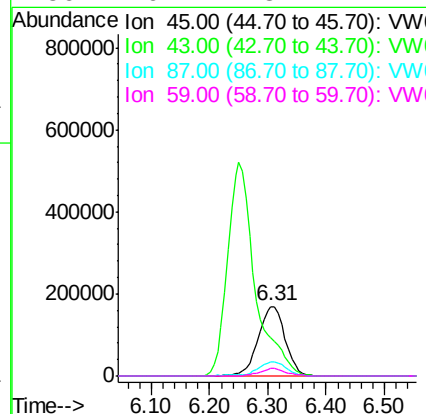
Ion Ratio Lower Upper

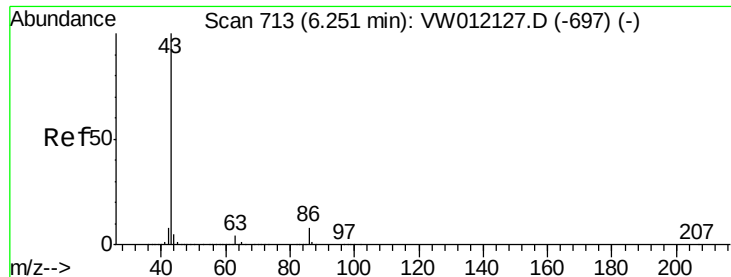
45 100

43 56.1 45.5 68.3

87 20.9 16.1 24.1

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 273.663 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1710797

Ion Ratio Lower Upper

43 100

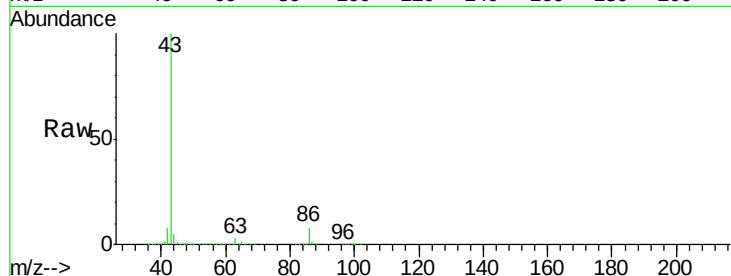
86 8.0 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

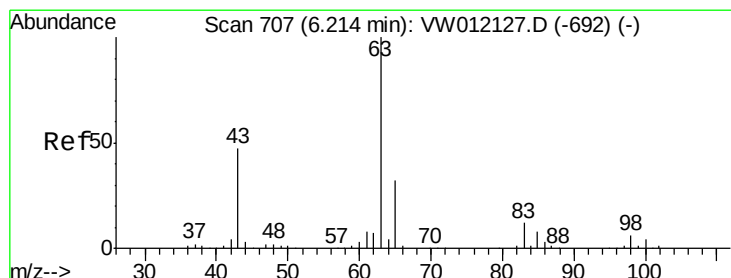
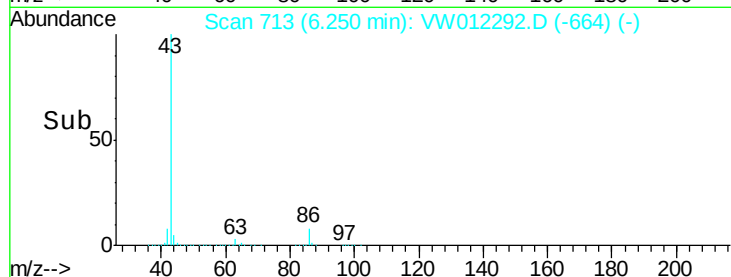
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.991 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

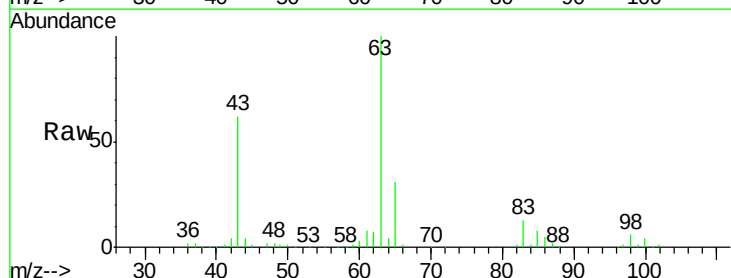
Tgt Ion: 63 Resp: 293087

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

120000

100000

80000

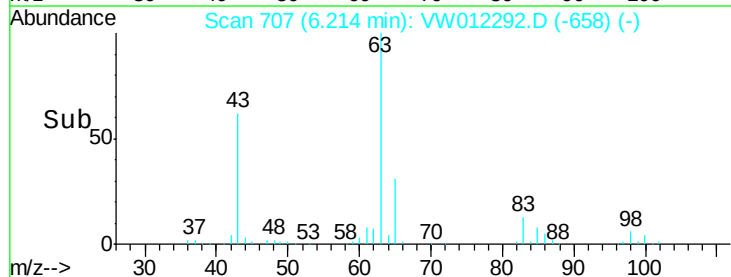
60000

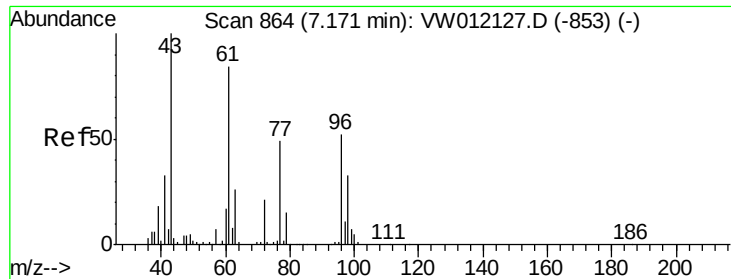
40000

20000

0

Time-->





#25

2-Butanone

Concen: 248.754 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 262507

Ion Ratio Lower Upper

43 100

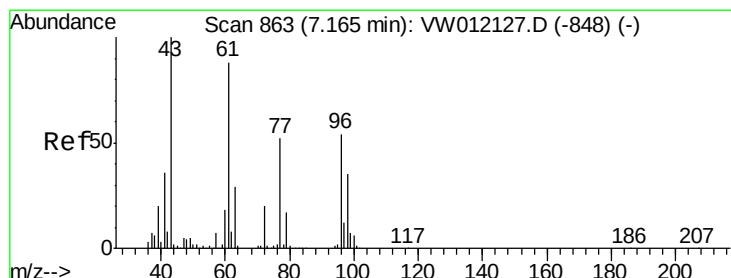
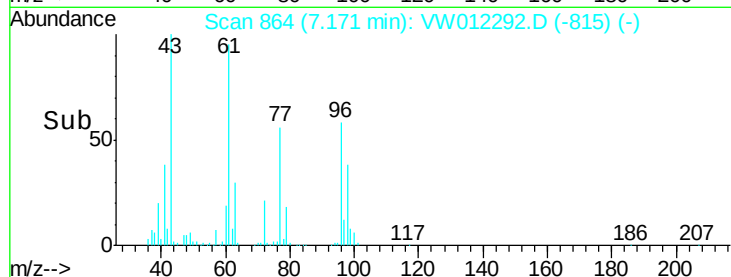
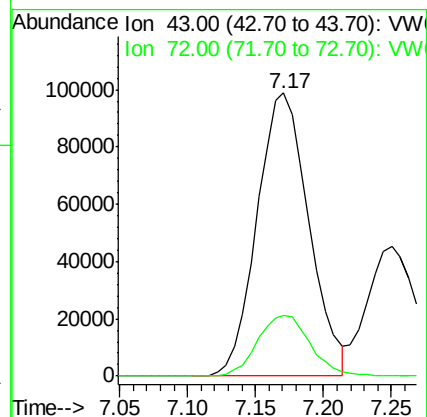
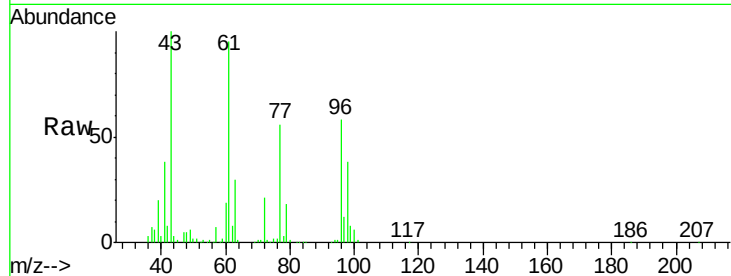
72 21.4 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/30/2019 11:41:13 AM



#26

2,2-Dichloropropane

Concen: 55.456 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012292.D

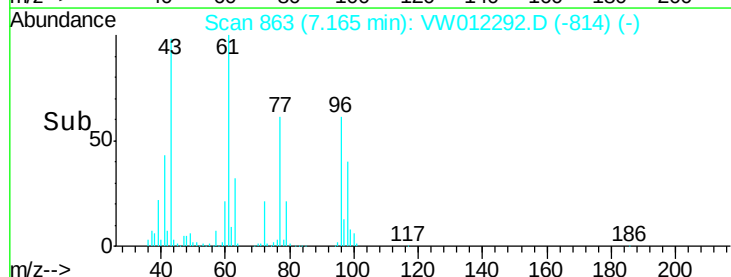
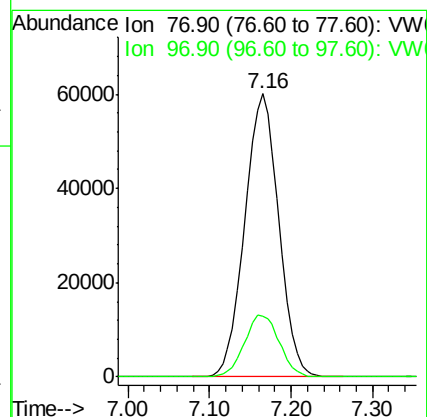
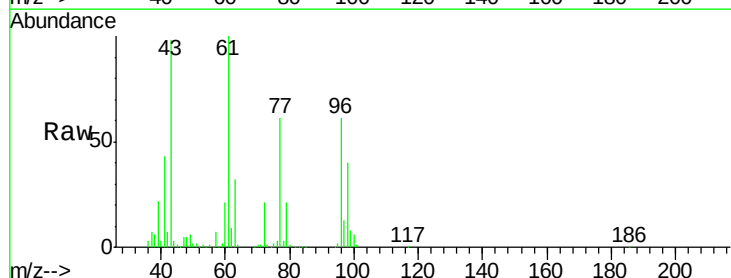
Acq: 29 Aug 2019 09:30

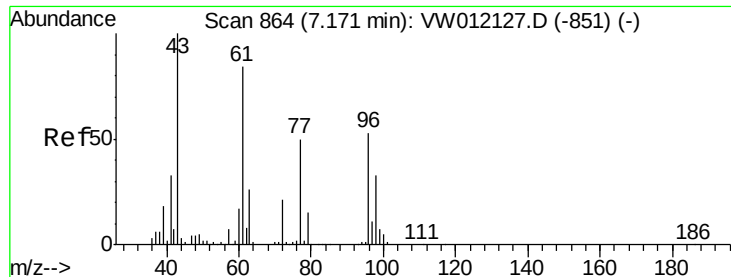
Tgt Ion: 77 Resp: 173609

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.1





#27

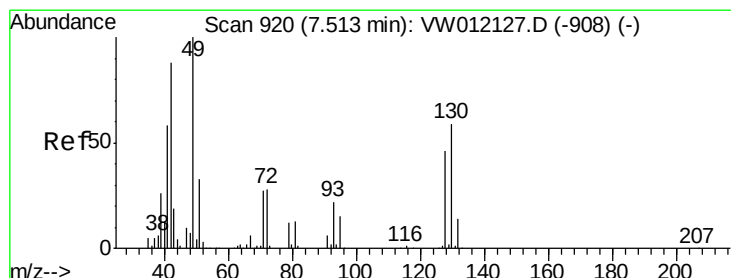
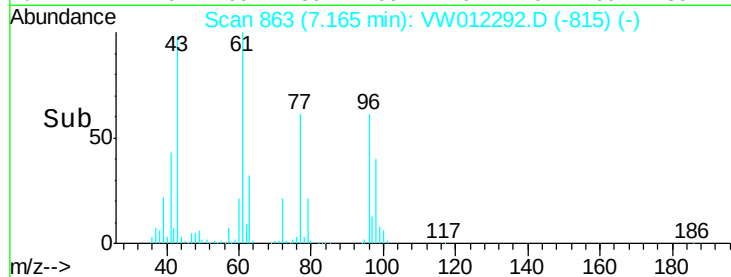
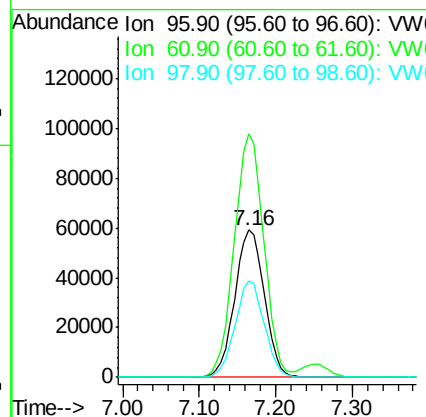
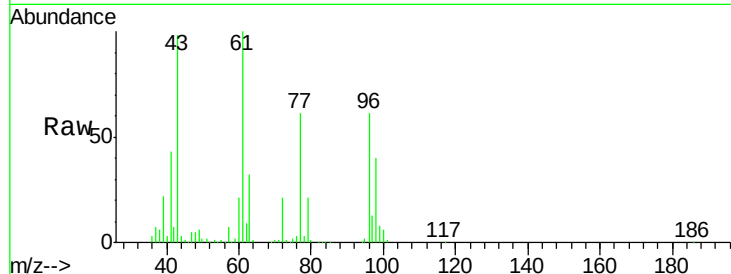
cis-1,2-Dichloroethene
Concen: 54.012 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158631		
61	164.6	0.0	326.6	
98	64.5	0.0	127.4	

Manual Integrations
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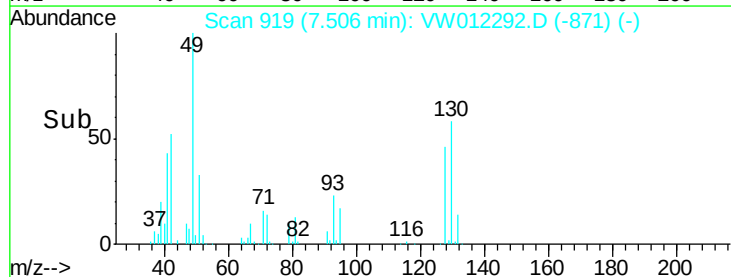
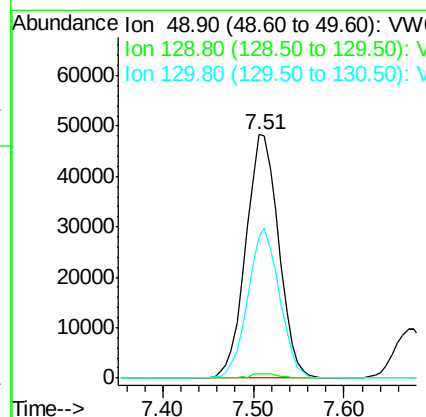
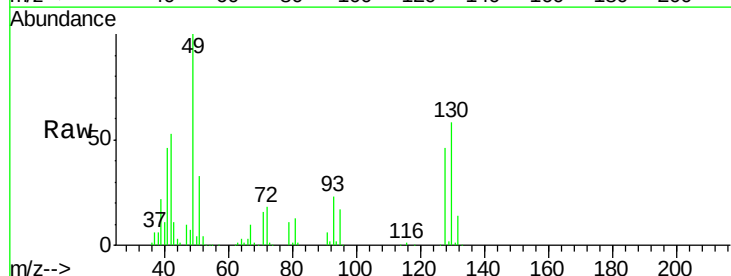
MMDadoda
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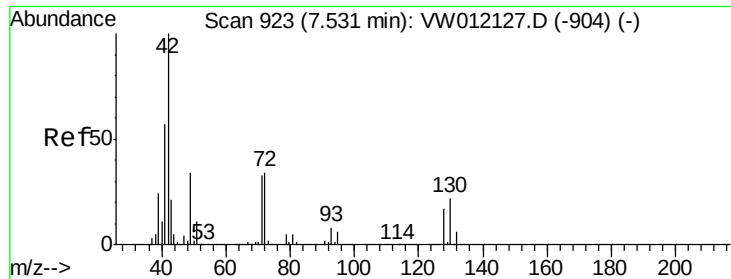


#28

Bromochloromethane
Concen: 50.390 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121472		
129	1.5	0.0	1.4#	
130	59.3	45.5	68.3	





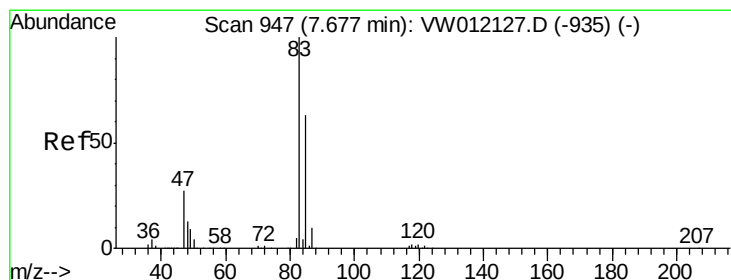
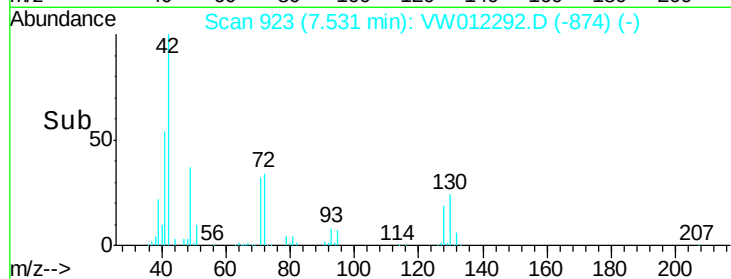
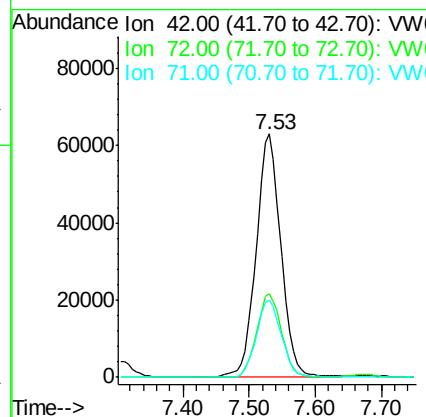
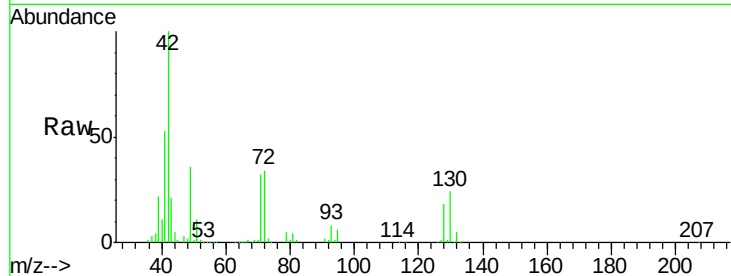
#29
Tetrahydrofuran
Concen: 259.033 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100		164001		
72	34.3	27.3	40.9		
71	32.3	25.5	38.3		

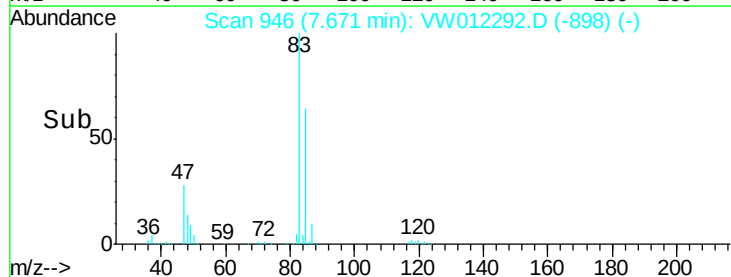
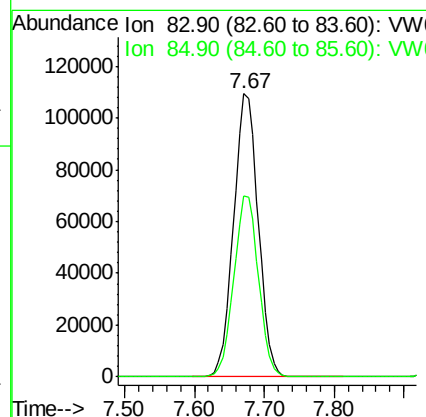
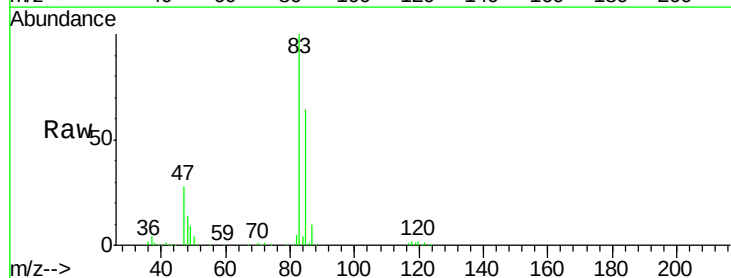
Manual Integrations
APPROVED

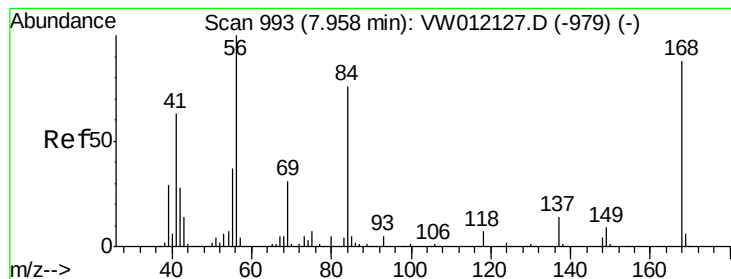
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#30
Chloroform
Concen: 52.790 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		267129		
85	64.1	50.6	76.0		





#31

Cyclohexane

Concen: 50.780 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

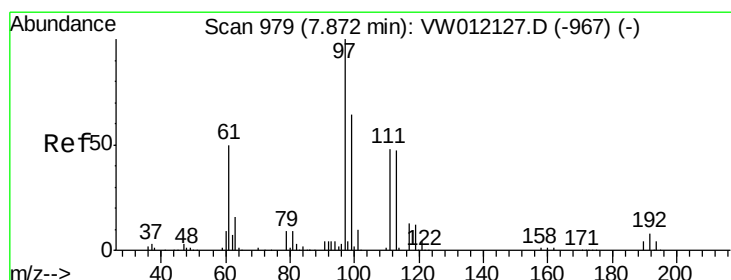
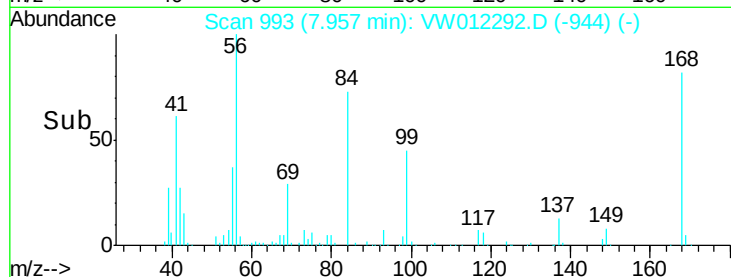
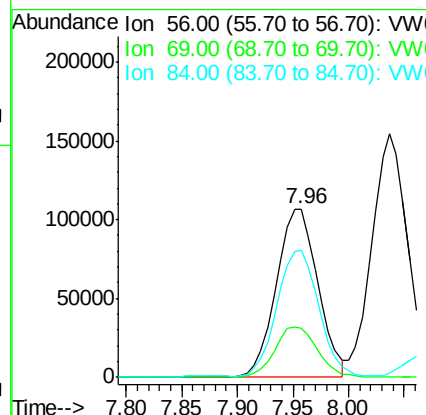
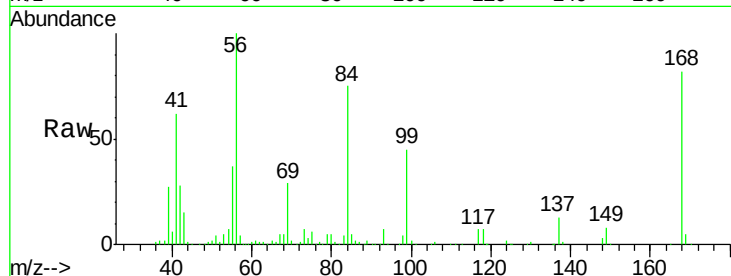
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	277874
Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.9	37.3
84	74.3	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.940 ug/l

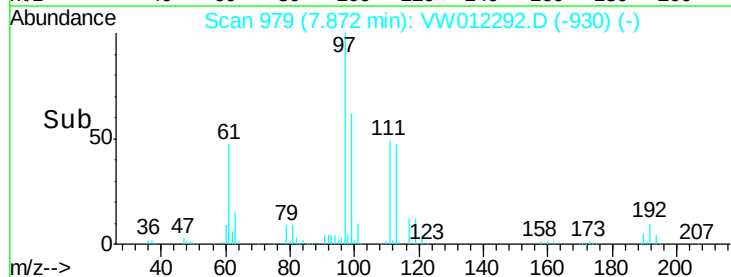
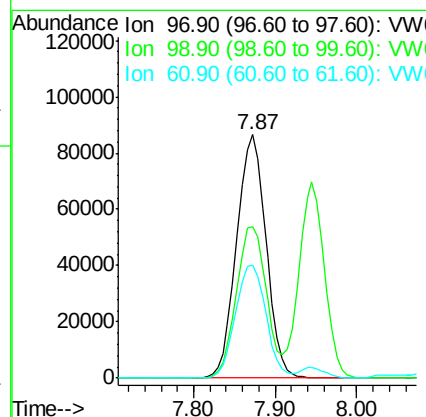
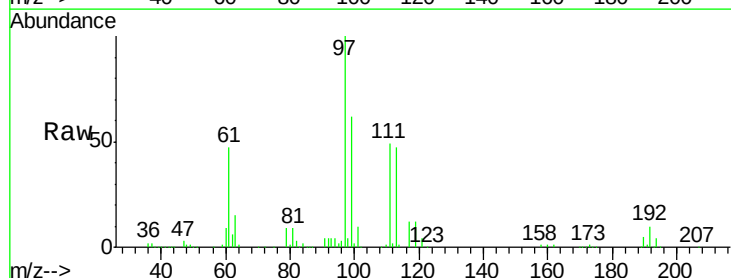
RT: 7.87 min Scan# 979

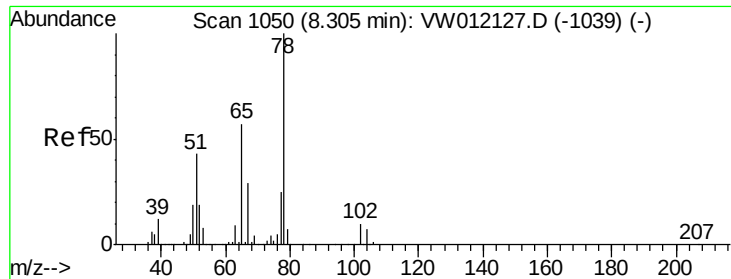
Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion:	97	Resp:	215922
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	48.2	39.5	59.3





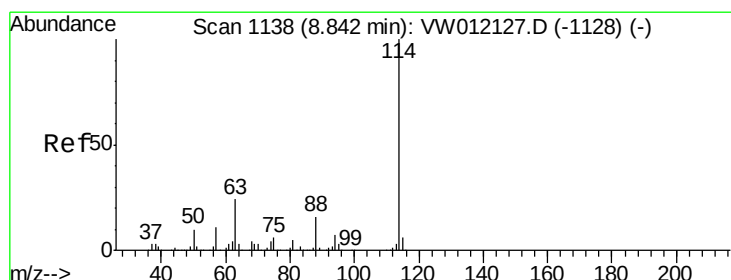
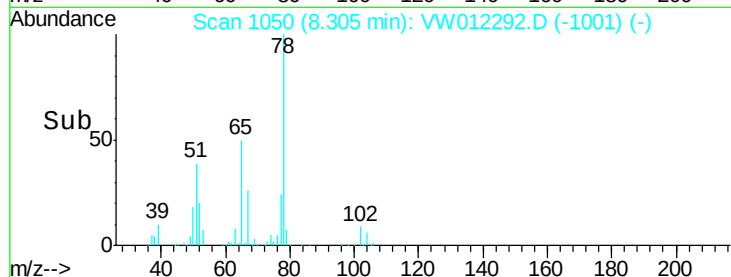
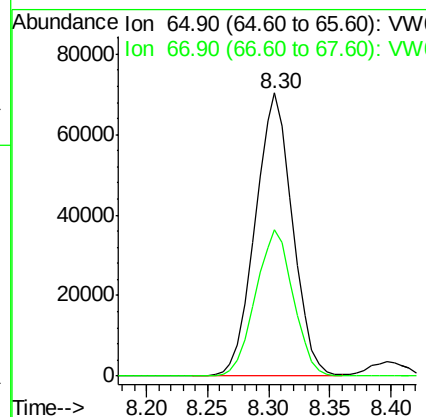
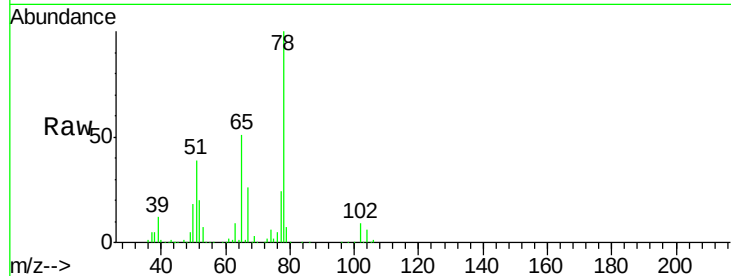
#33
 1,2-Dichloroethane-d4
 Concen: 49.010 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148893		
67	52.3	0.0	102.6	

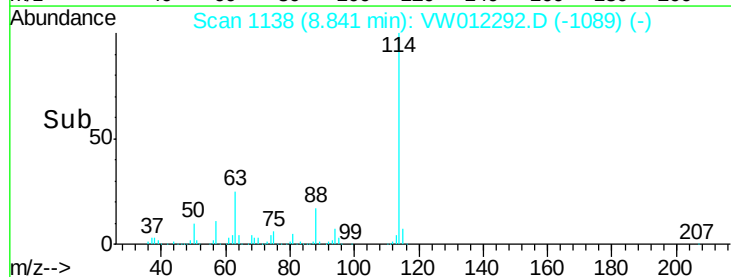
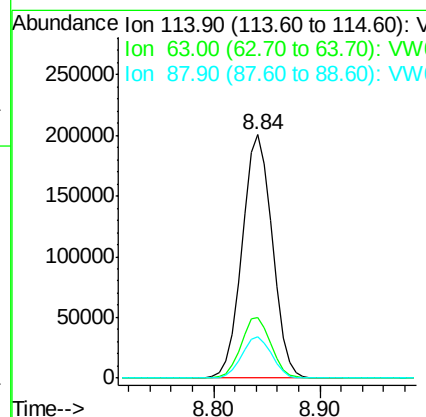
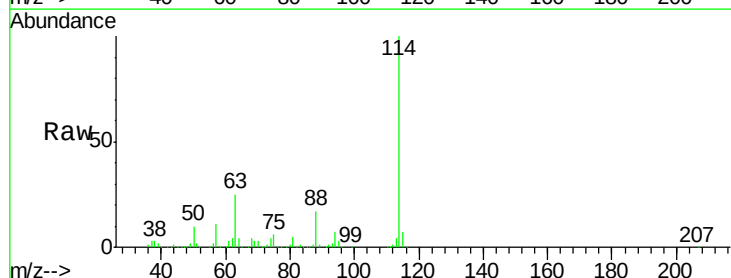
Manual Integrations
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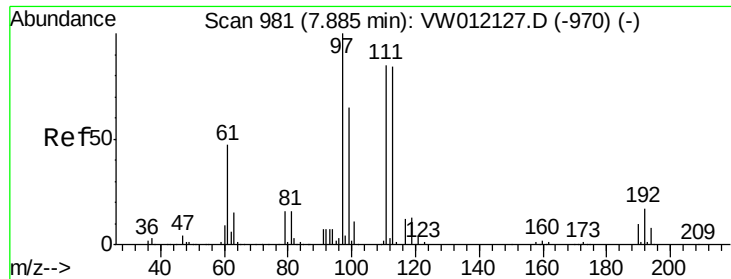
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	399610		
63	25.0	0.0	48.6	
88	16.9	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.496 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

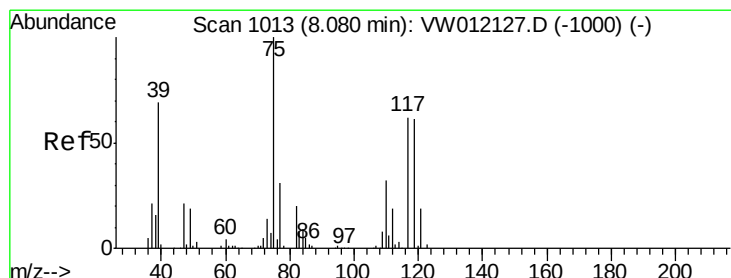
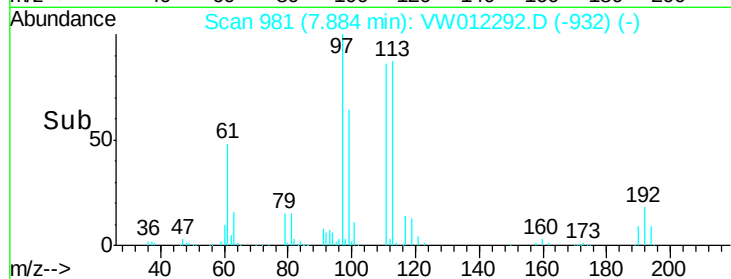
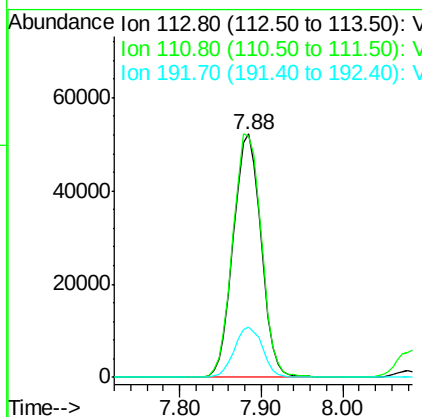
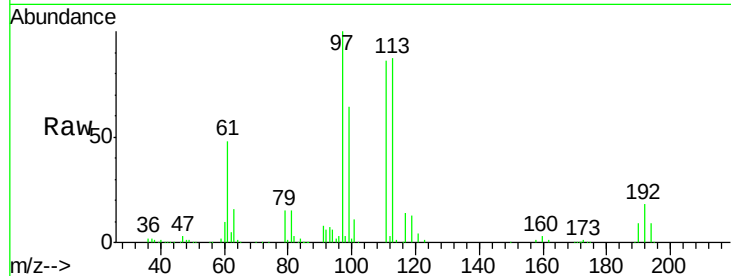
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	122832
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.7	124.1
192	20.8	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 54.952 ug/l

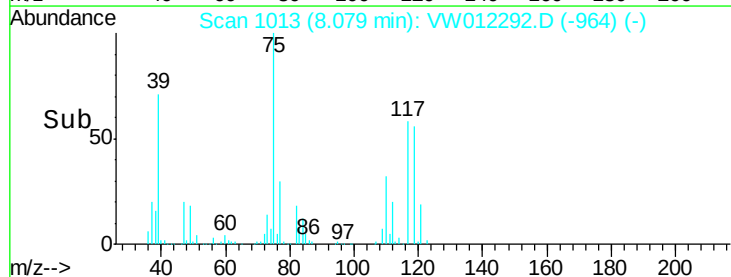
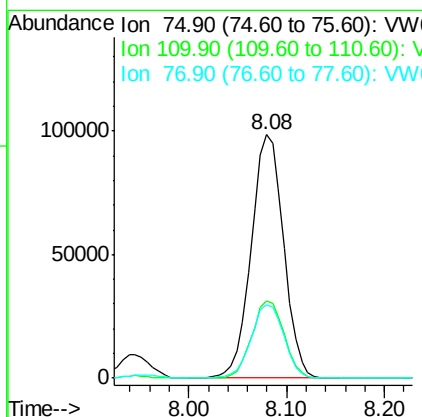
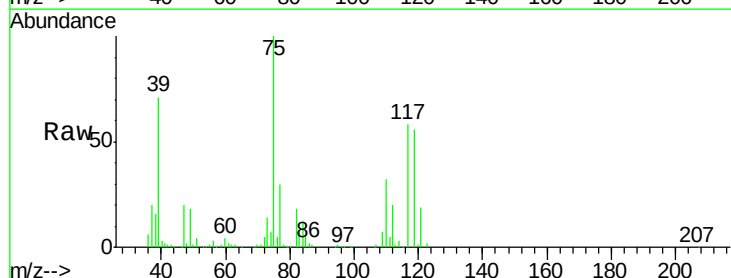
RT: 8.08 min Scan# 1013

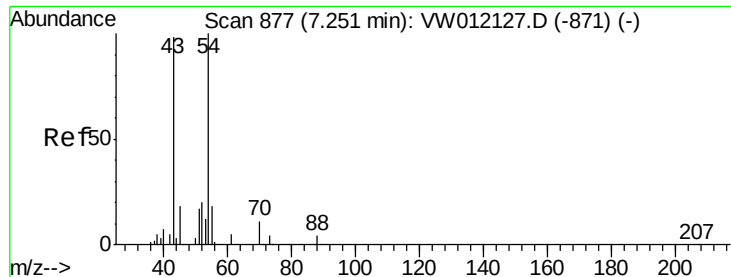
Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion:	75	Resp:	226926
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.6	46.8
77	30.8	24.6	36.8





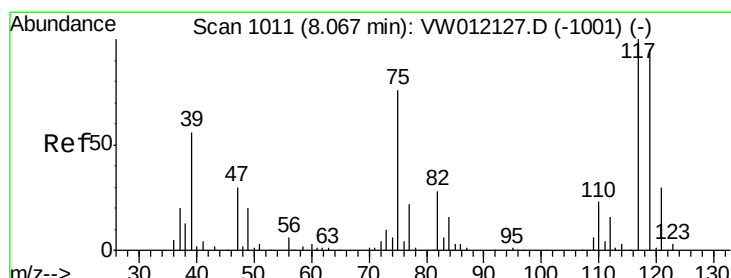
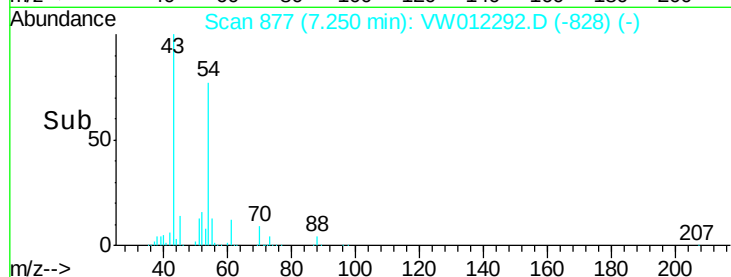
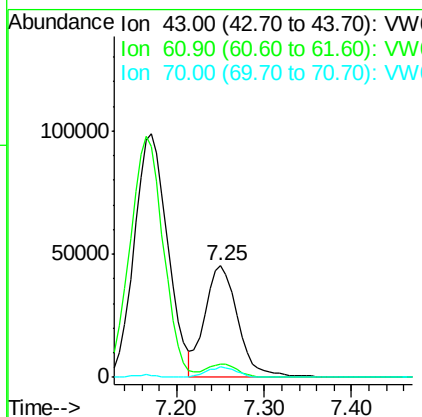
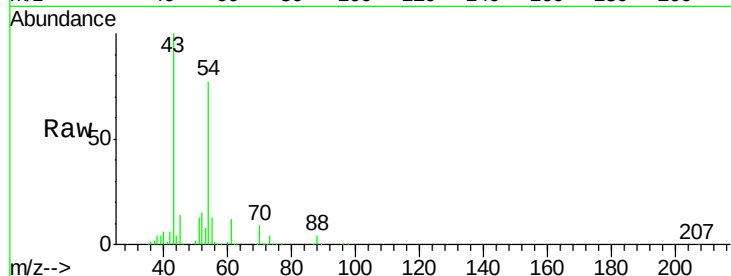
#37
Ethyl Acetate
Concen: 52.034 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	8.7	6.9	10.3

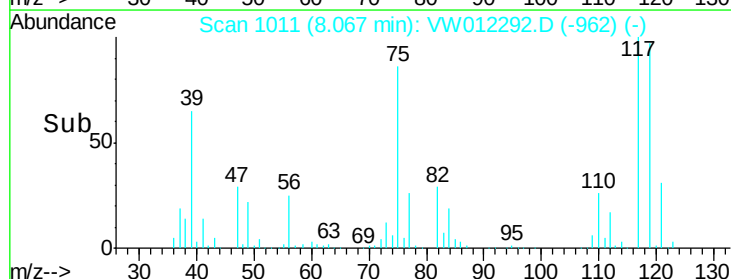
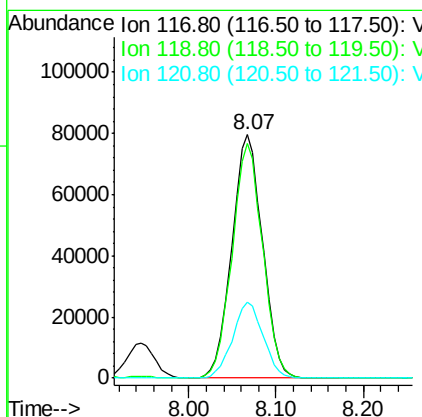
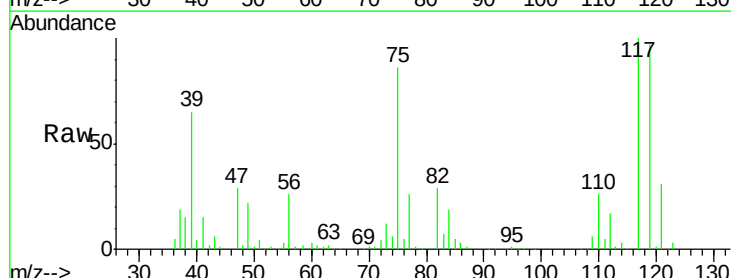
Manual Integrations
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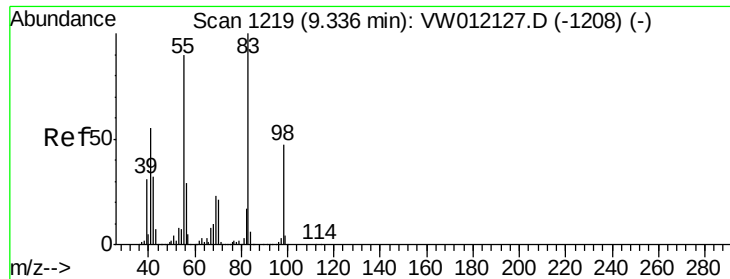
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#38
Carbon Tetrachloride
Concen: 54.291 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.2	114.2
121	31.2	23.8	35.8





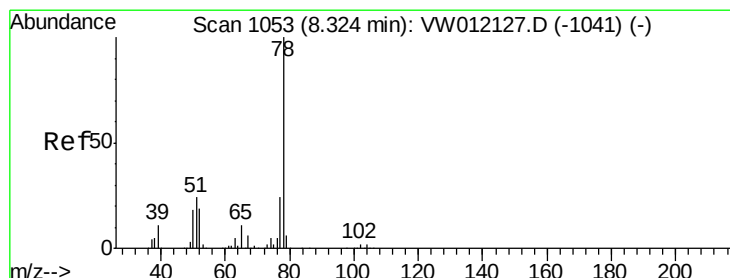
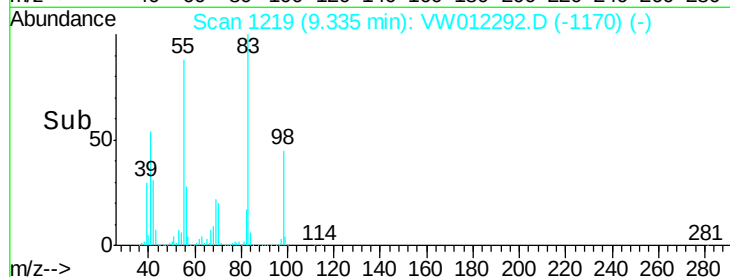
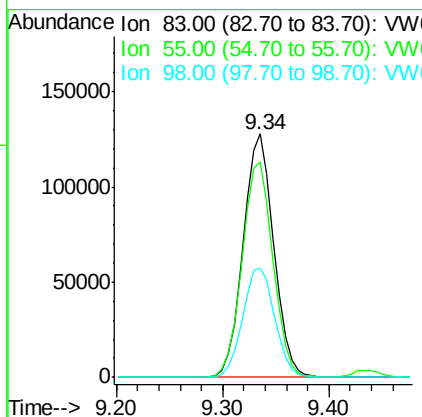
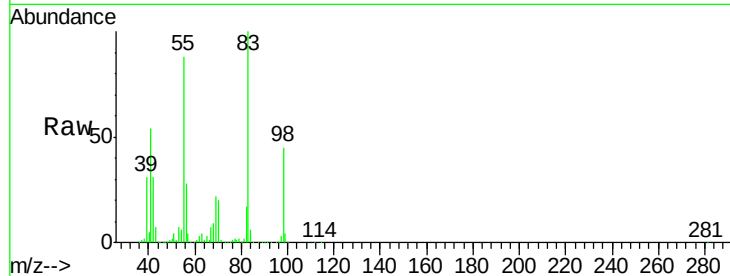
#39
Methylvlcyclohexane
Concen: 55.511 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	71.8	107.8
98	44.9	37.8	56.8

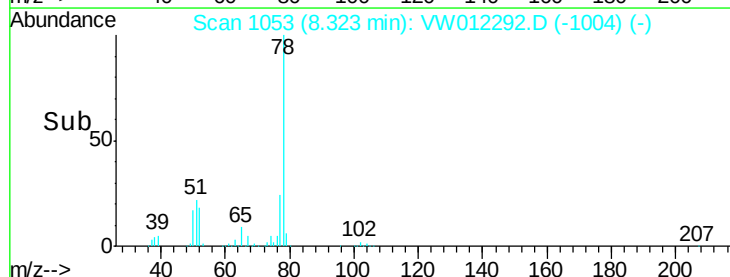
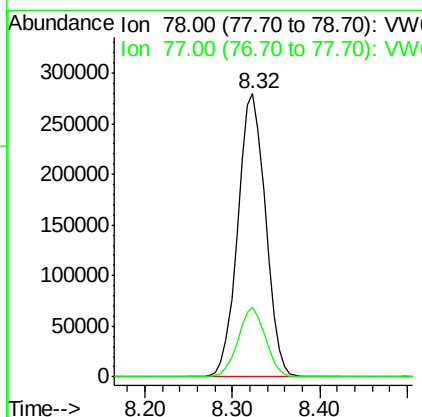
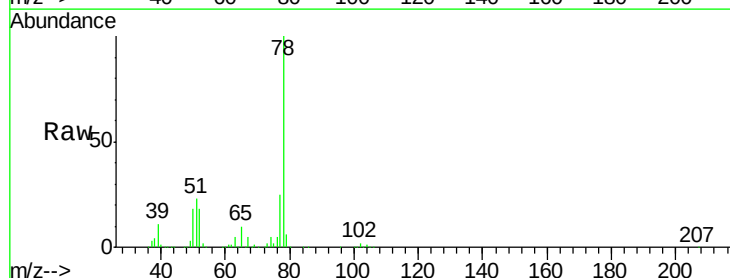
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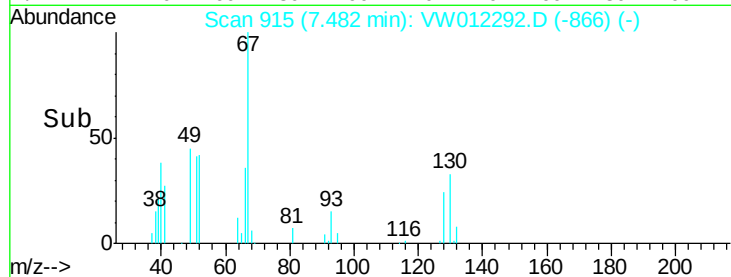
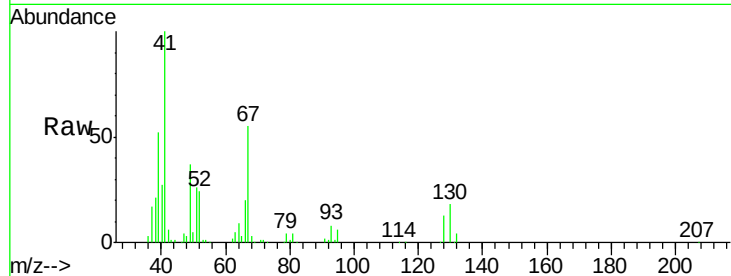
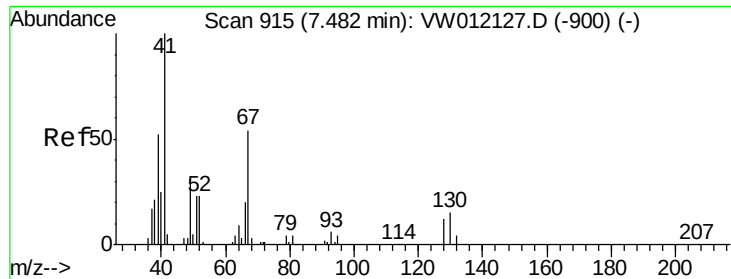
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#40
Benzene
Concen: 54.634 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





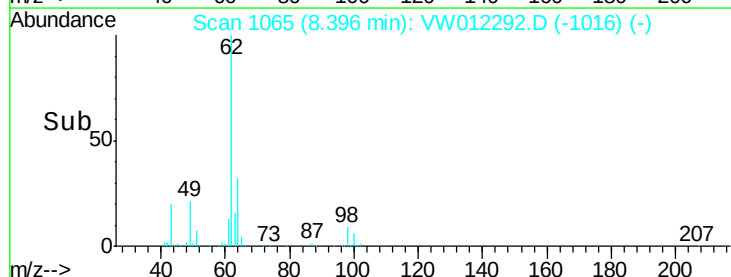
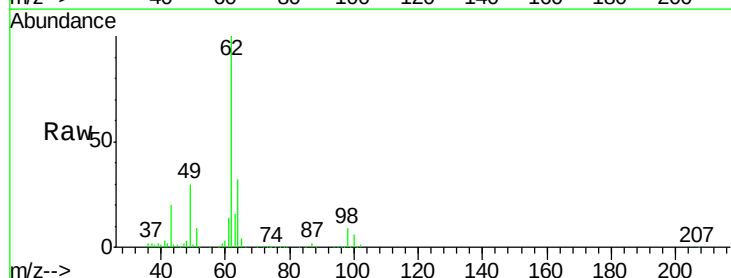
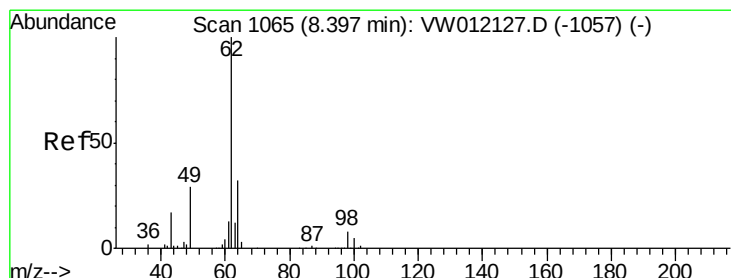
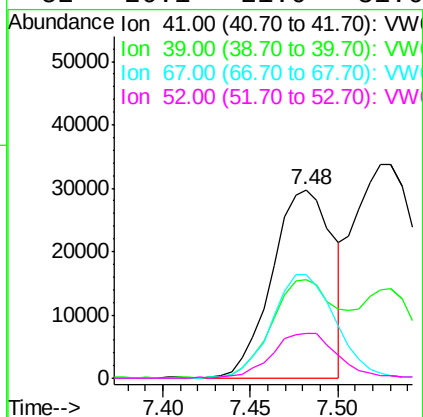
#41
Methacrylonitrile
Concen: 54.144 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tot Ion	41	Resp	72011
Ion	Ratio	Lower	Upper
41	100		
39	58.2	45.8	68.8
67	58.4	46.2	69.4
52	26.1	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

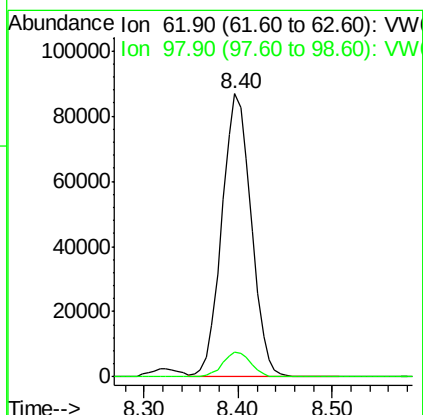
Manual Integrations
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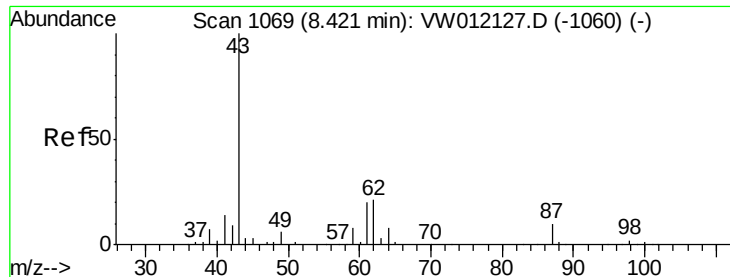
MMDadoda
8/30/2019 11:41:13 AM



#42
1,2-Dichloroethane
Concen: 53.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	62	Resp	187964
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.116 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

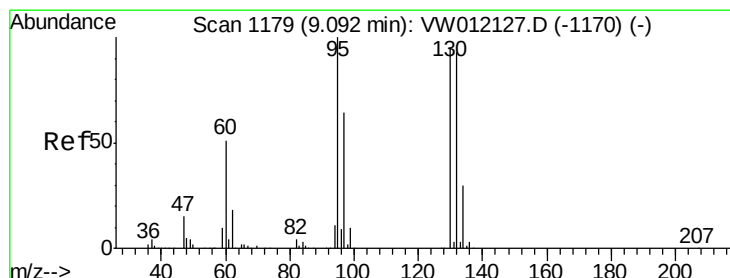
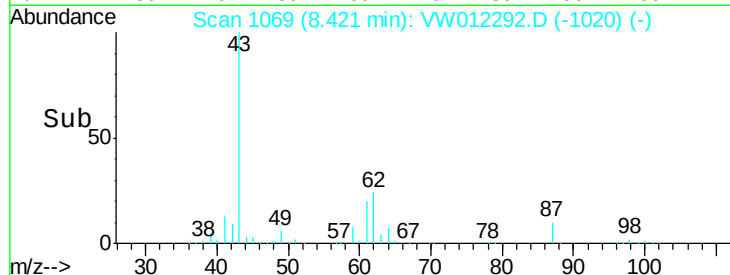
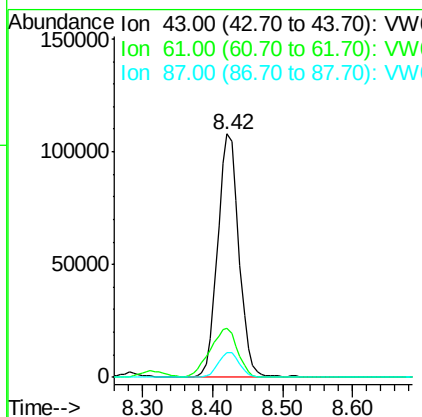
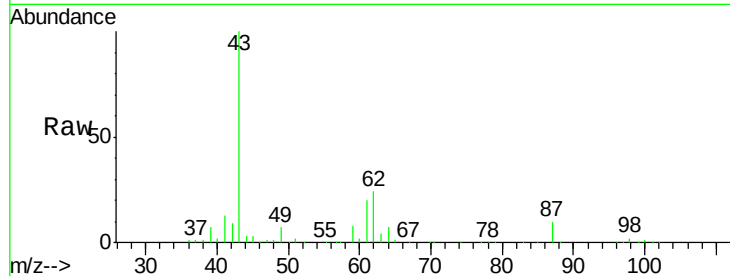
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	226834
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.4	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 54.416 ug/l

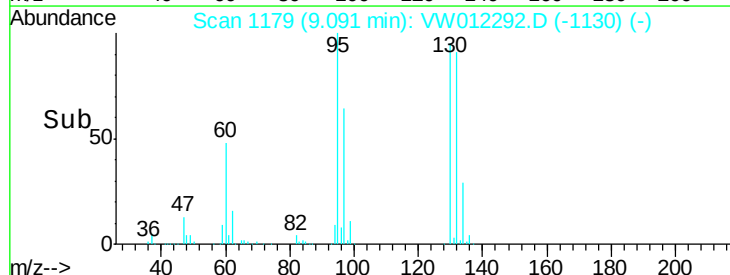
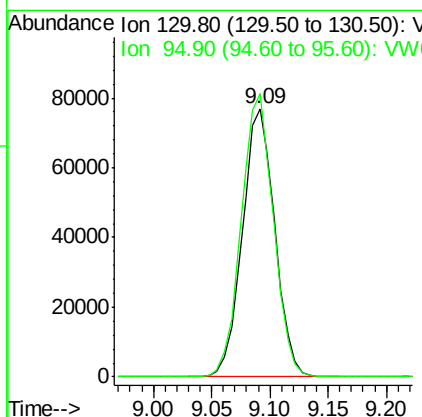
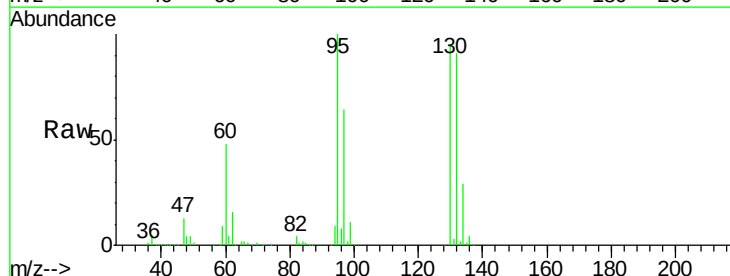
RT: 9.09 min Scan# 1179

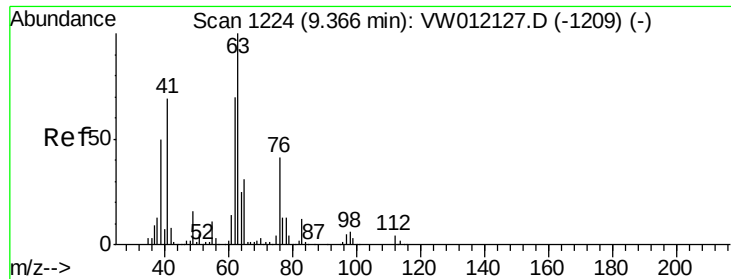
Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion:	130	Resp:	149162
Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	210.6





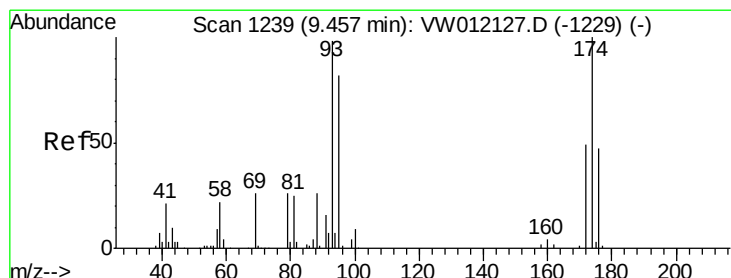
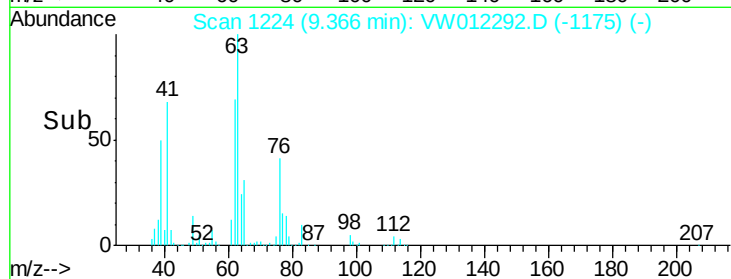
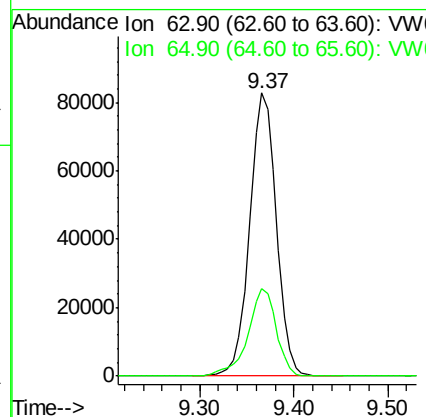
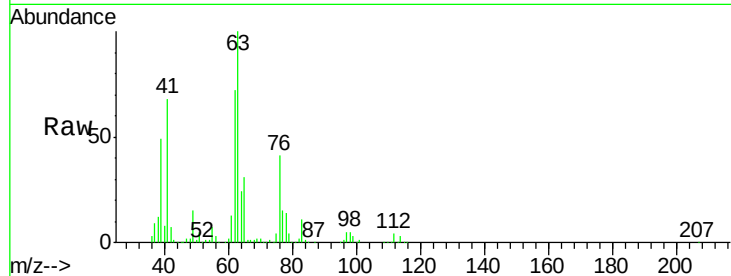
#45
 1,2-Dichloropropane
 Concen: 54.120 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 164238
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4

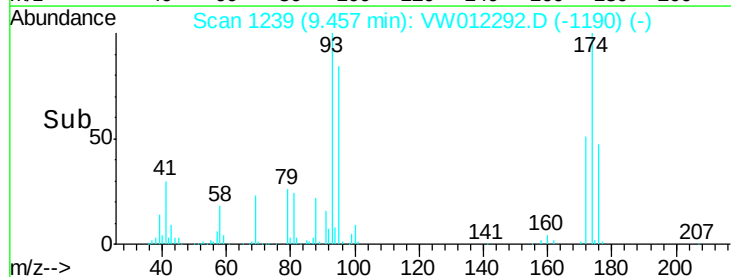
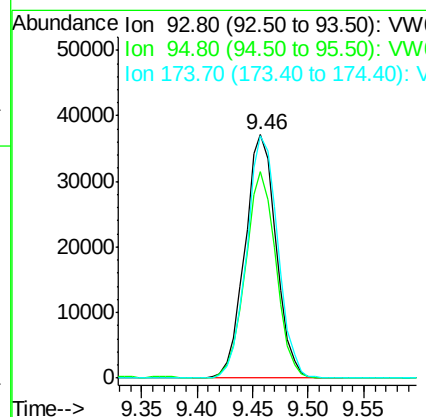
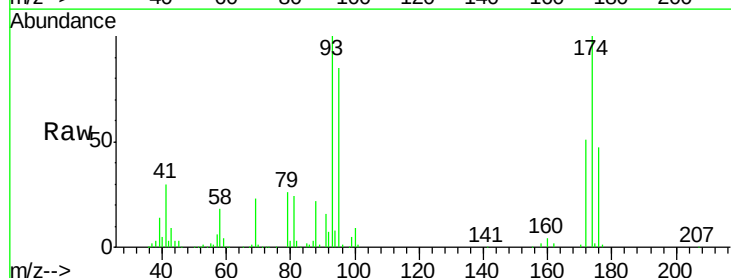
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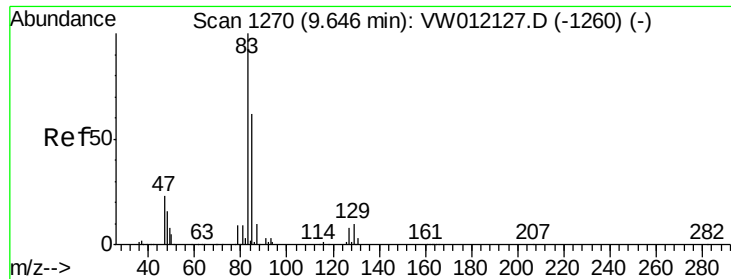
MMDadoda
 8/30/2019 11:41:13 AM



#46
 Dibromomethane
 Concen: 53.298 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion: 93 Resp: 71964
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 99.7 79.0 118.6





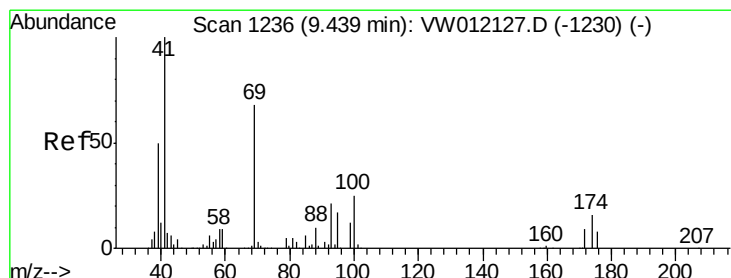
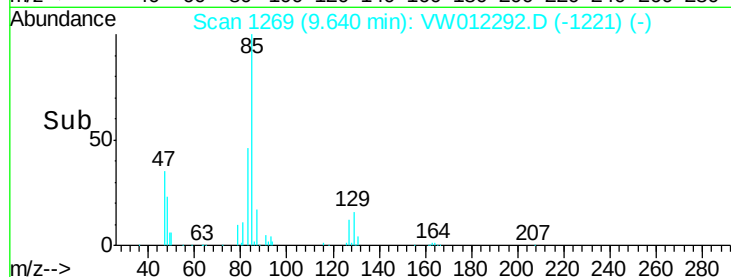
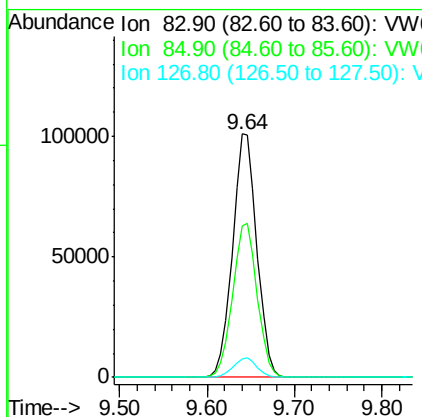
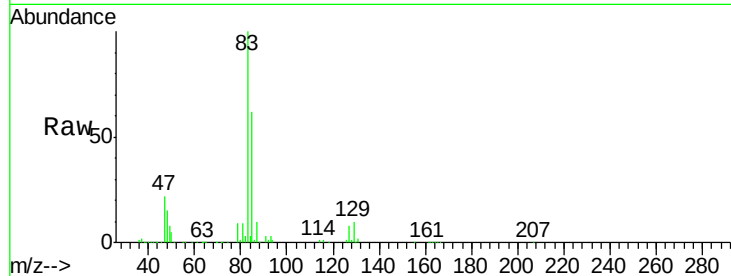
#47
 Bromodichloromethane
 Concen: 54.236 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194897		
85	62.0		49.4	74.2
127	7.5		6.1	9.1

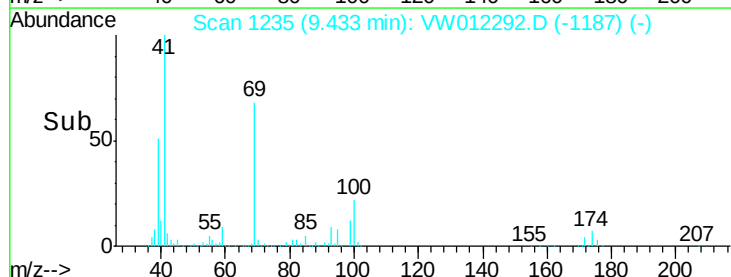
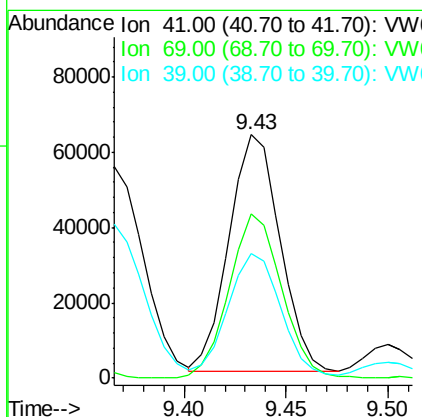
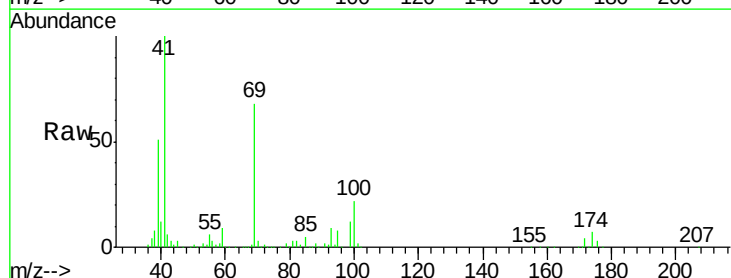
Manual Integrations
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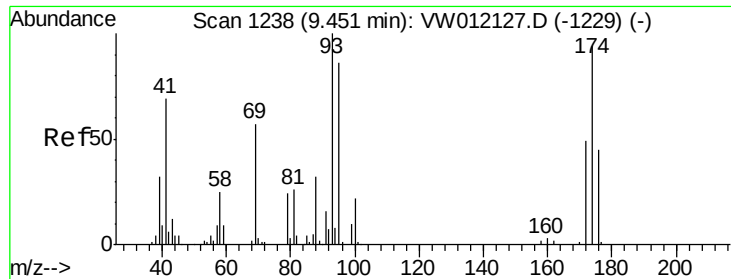
MMDadoda
 8/30/2019 11:41:13 AM



#48
 Methyl methacrylate
 Concen: 54.836 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	109397		
69	70.7		56.7	85.1
39	51.7		42.0	63.0





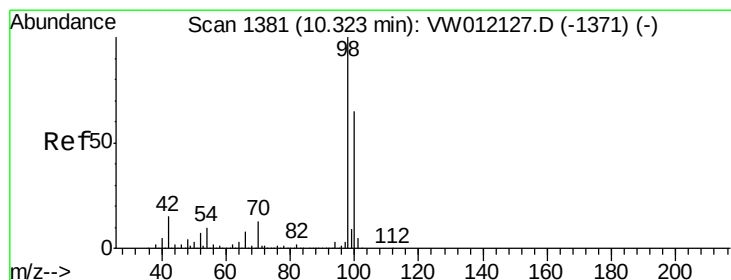
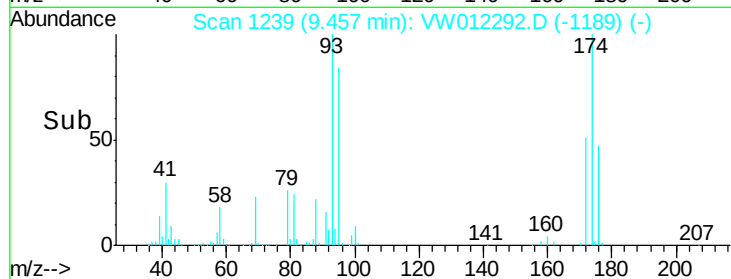
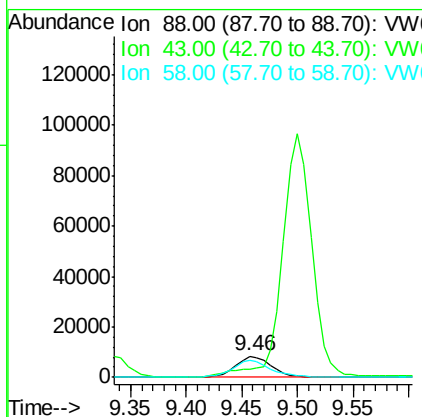
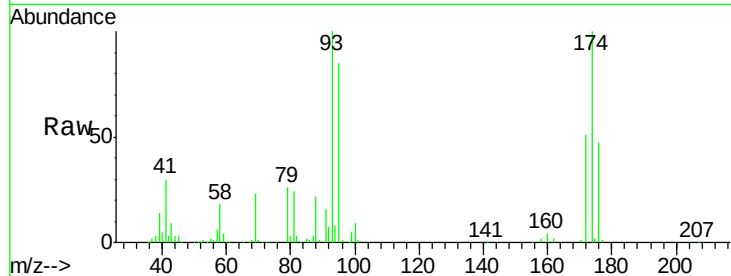
#49
1,4-Dioxane
Concen: 904.242 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	18691
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	87.0	71.0	106.4

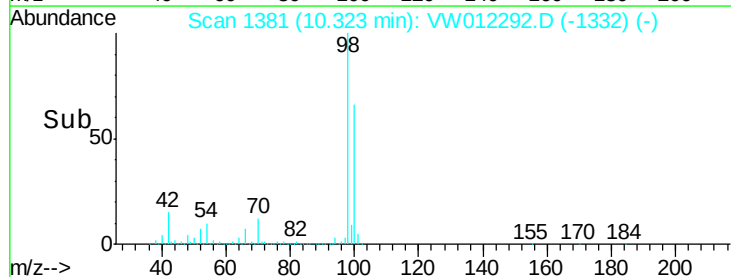
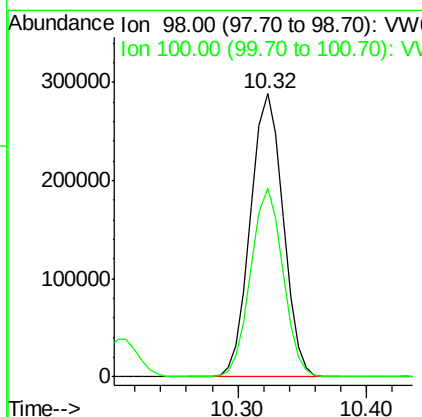
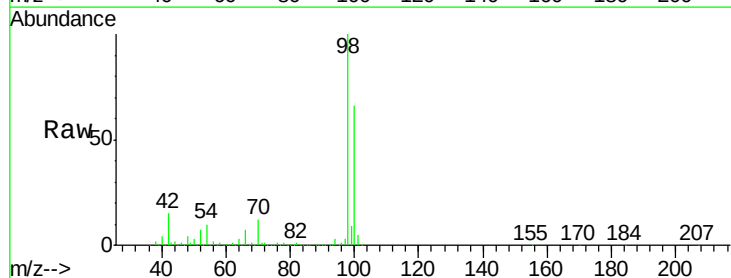
Manual Integrations
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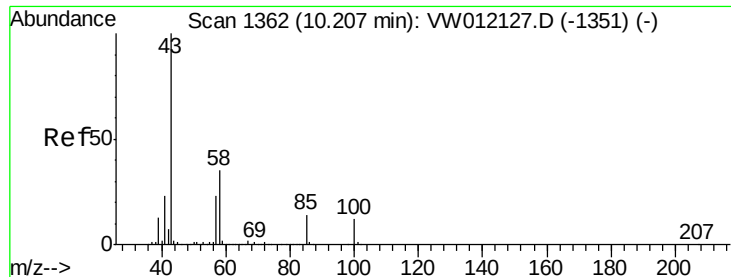
MMDadoda
8/30/2019 11:41:13 AM



#50
Toluene-d8
Concen: 52.288 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	98	Resp	505712
Ion Ratio	100	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 265.791 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 566662

Ion Ratio Lower Upper

43 100

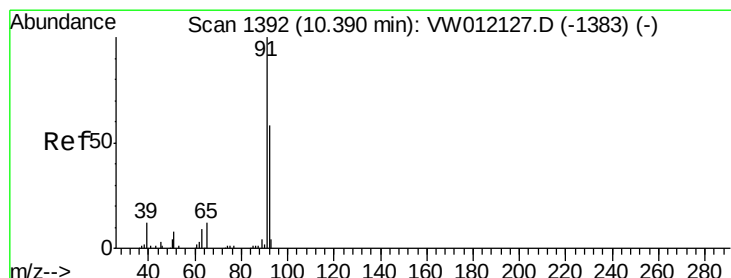
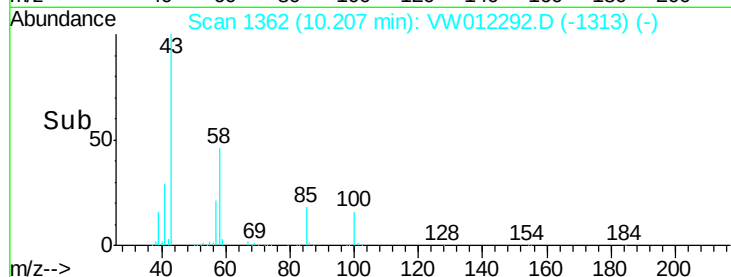
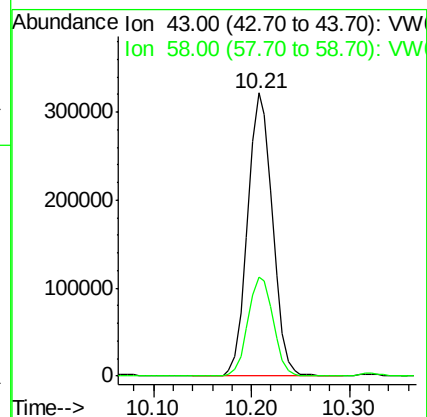
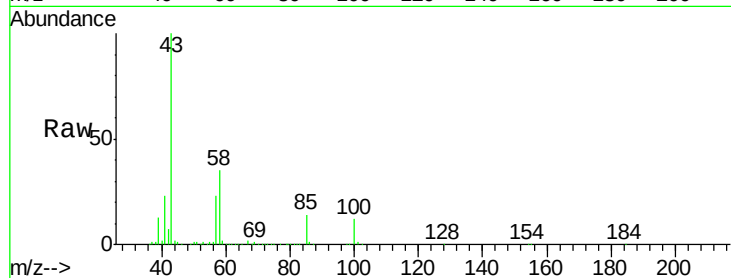
58 35.5 28.2 42.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 54.646 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012292.D

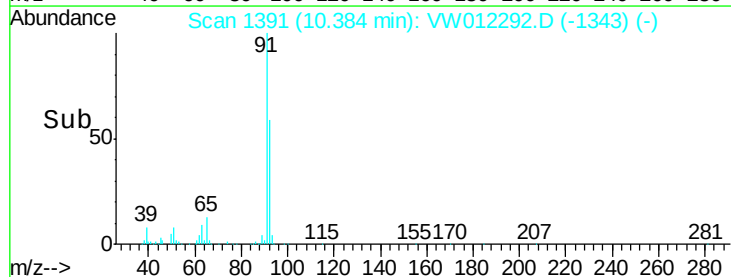
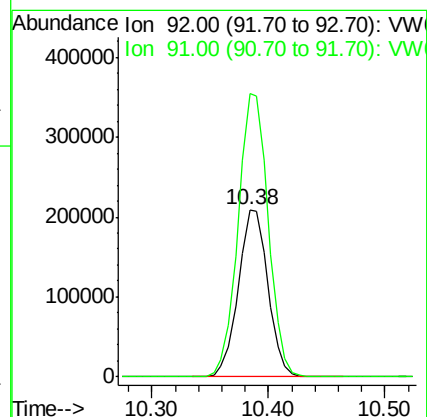
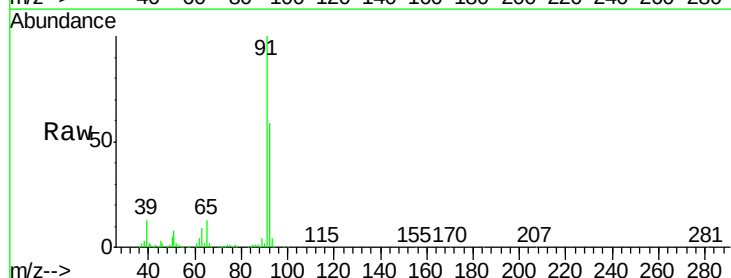
Acq: 29 Aug 2019 09:30

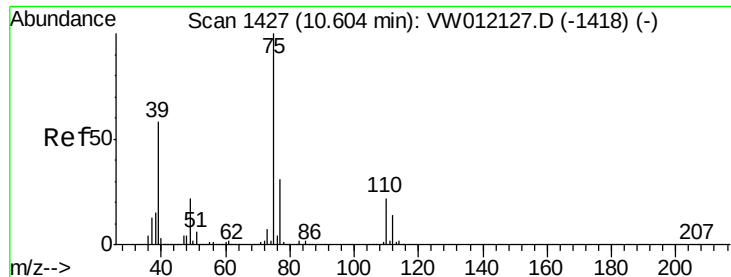
Tgt Ion: 92 Resp: 370170

Ion Ratio Lower Upper

92 100

91 172.4 136.6 204.8





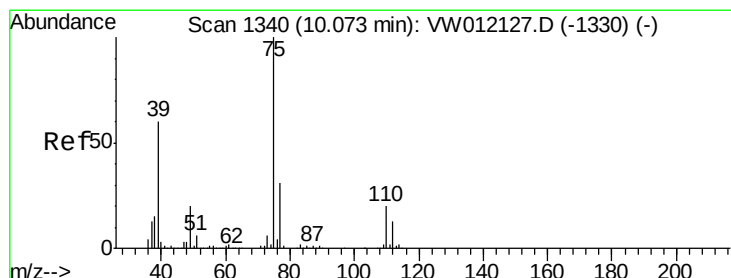
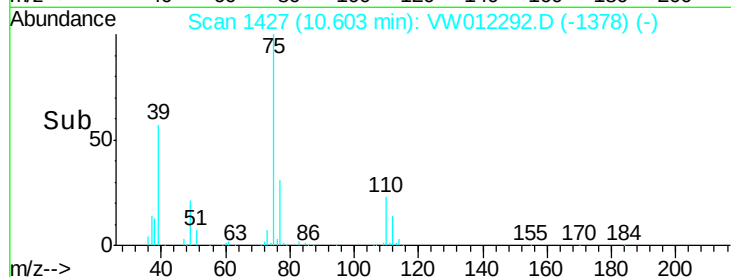
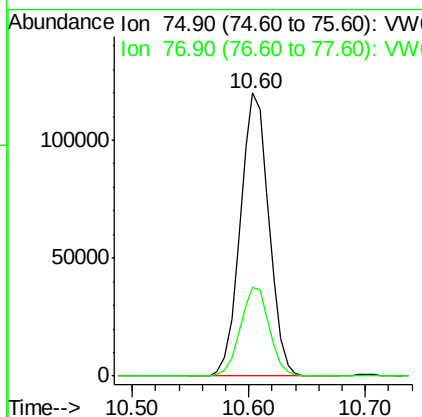
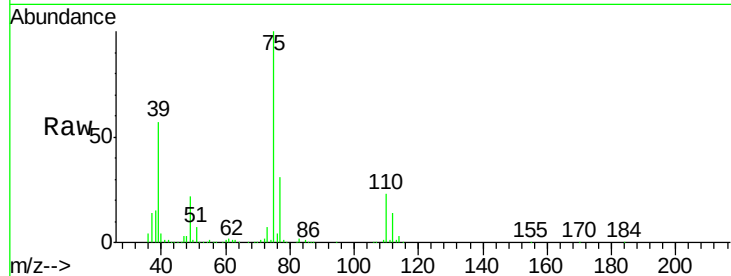
#53
t-1,3-Dichloropropene
Concen: 56.196 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4

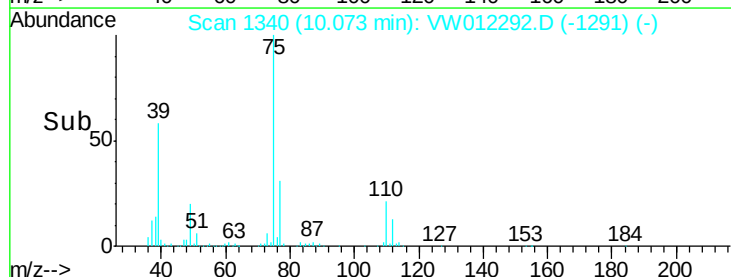
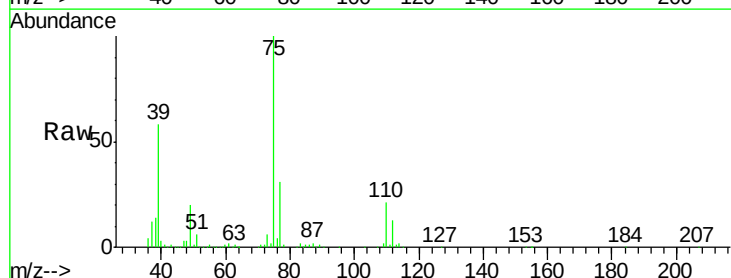
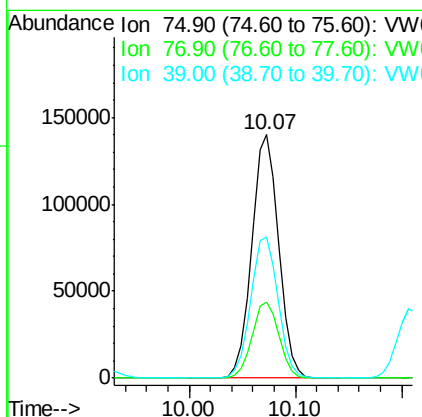
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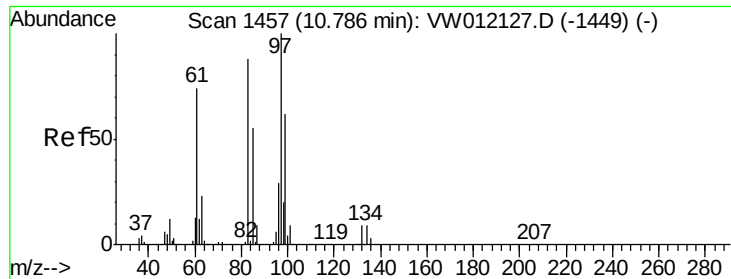
MMDadoda
8/30/2019 11:41:13 AM



#54
cis-1,3-Dichloropropene
Concen: 56.067 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	57.8	48.3	72.5





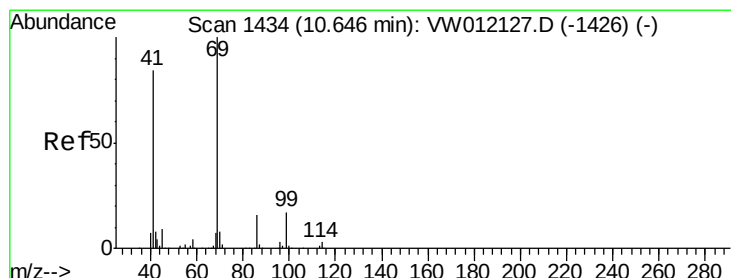
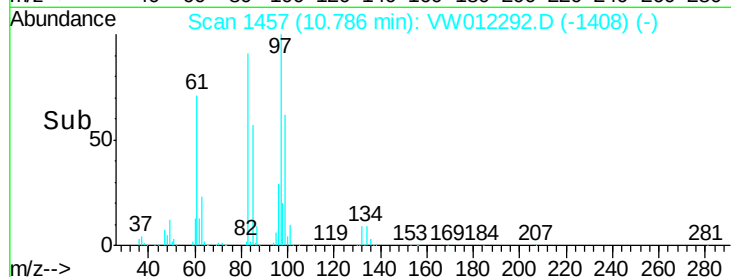
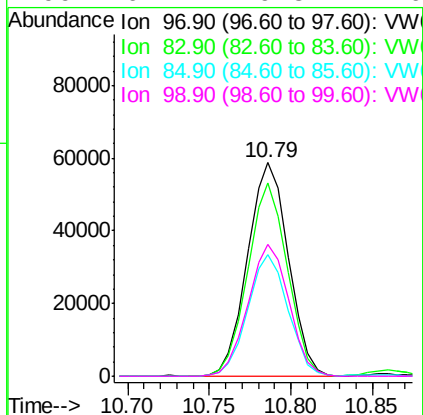
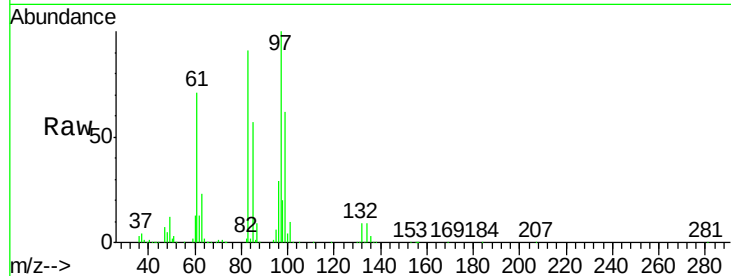
#55
 1,1,2-Trichloroethane
 Concen: 53.552 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	102304
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.8	106.2
85	56.8	43.8	65.8
99	61.7	49.8	74.6

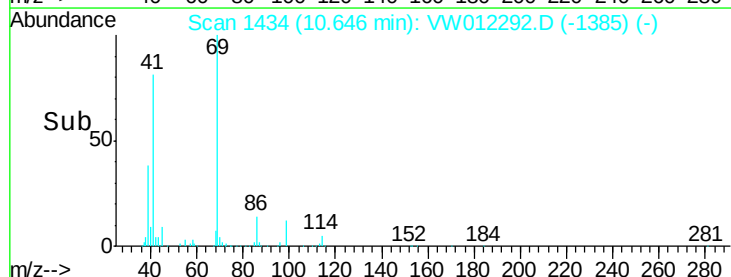
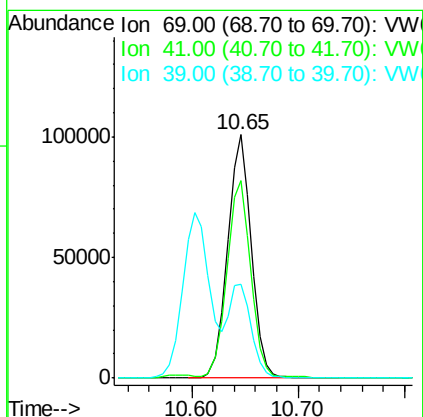
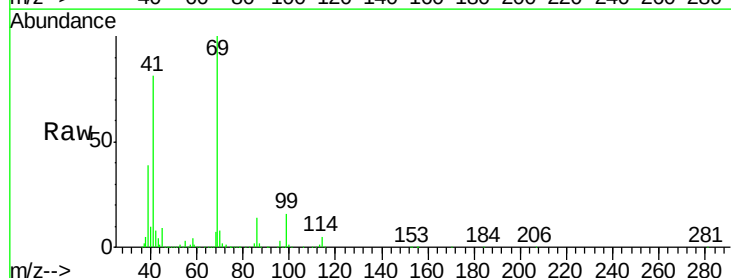
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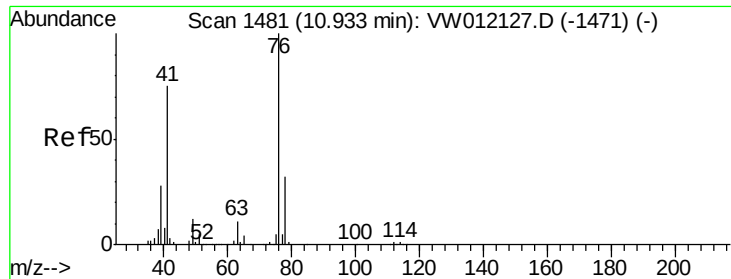
MMDadoda
 8/30/2019 11:41:13 AM



#56
 Ethyl methacrylate
 Concen: 56.401 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion:	69	Resp:	156818
Ion	Ratio	Lower	Upper
69	100		
41	82.1	66.5	99.7
39	36.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 54.248 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 195841

Ion Ratio Lower Upper

76 100

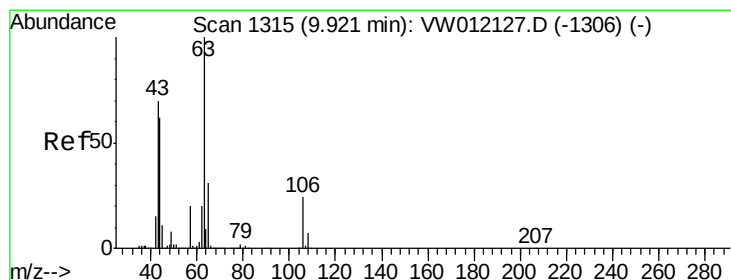
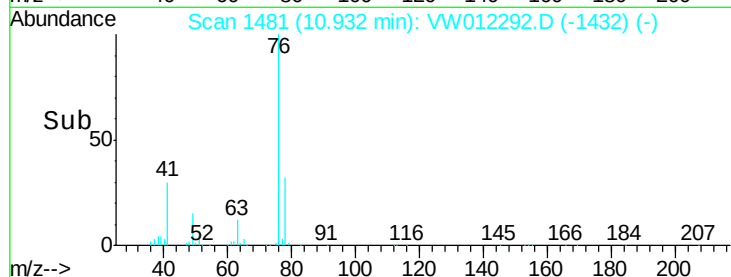
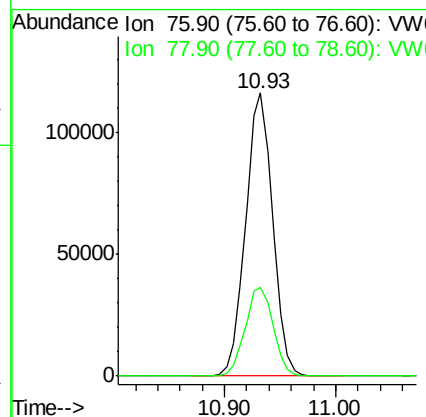
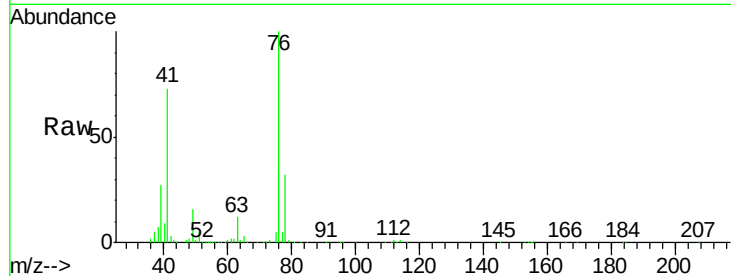
78 32.2 25.8 38.8

Manual Integrations

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MMDadoda

8/30/2019 11:41:13 AM



#58

2-Chloroethyl Vinyl ether

Concen: 273.824 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012292.D

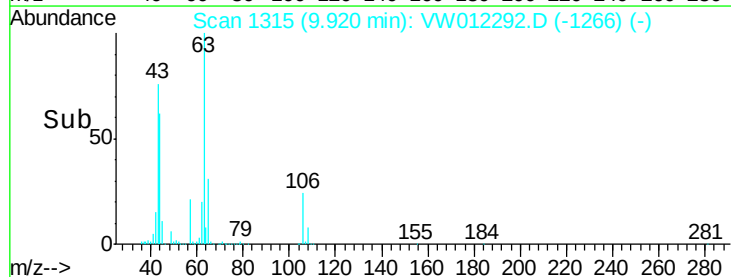
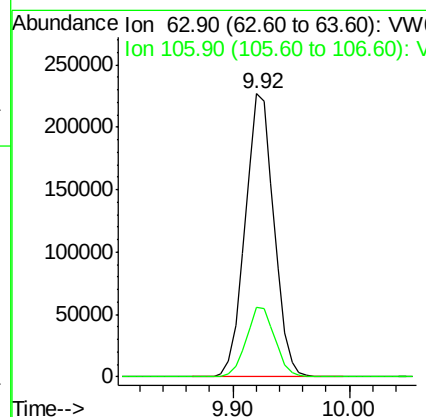
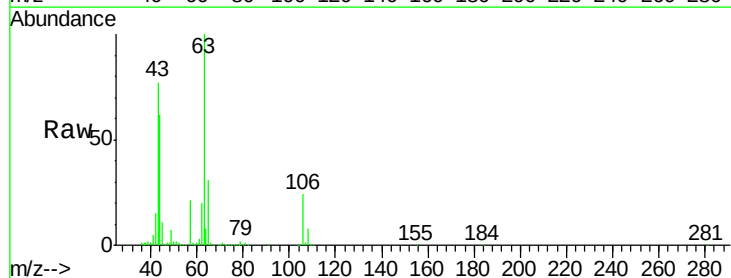
Acq: 29 Aug 2019 09:30

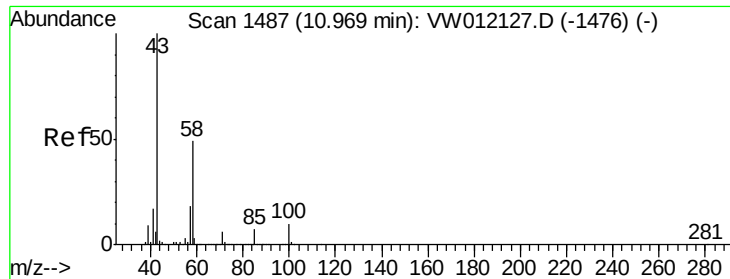
Tgt Ion: 63 Resp: 390737

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.8





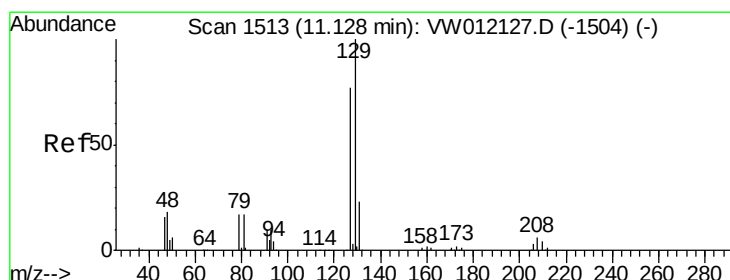
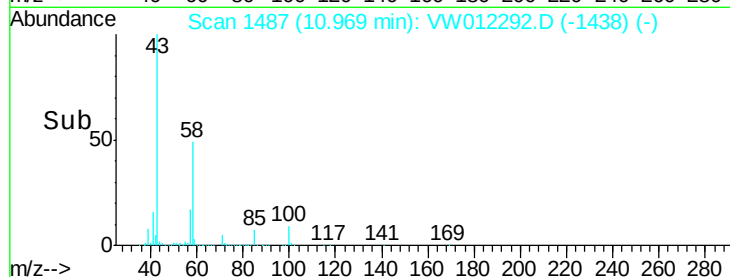
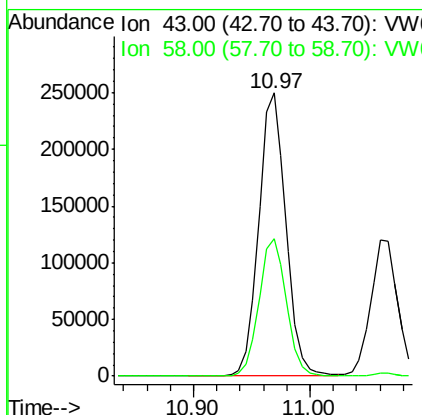
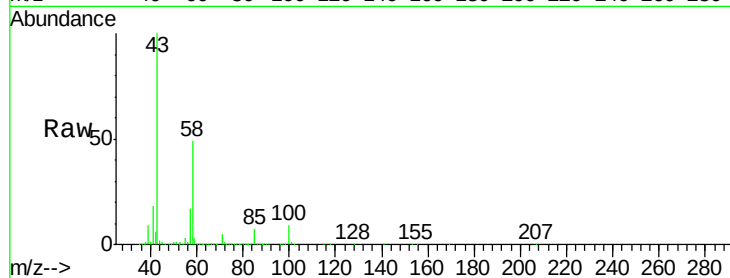
#59
2-Hexanone
Concen: 268.752 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 405417
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9

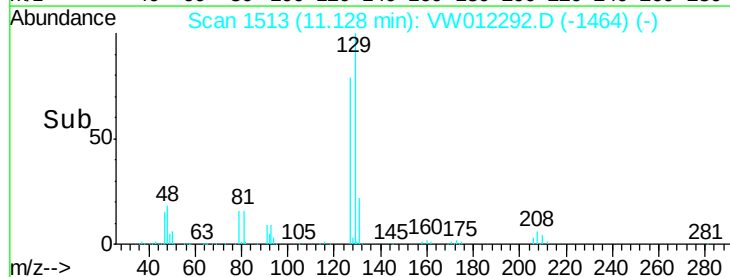
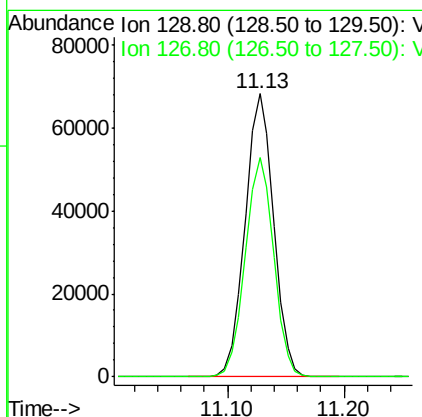
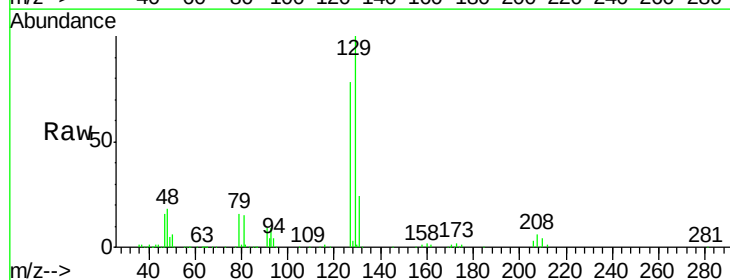
Manual Integrations
APPROVED

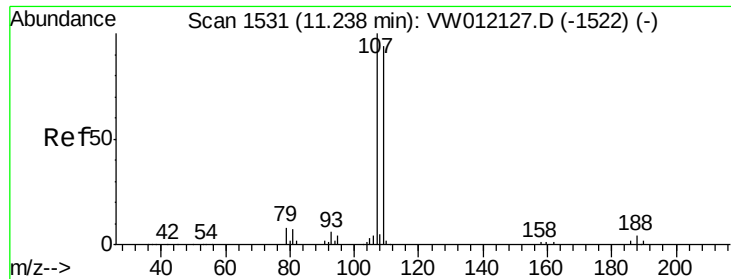
MMDadoda
8/30/2019 11:41:13 AM



#60
Dibromochloromethane
Concen: 54.923 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion: 129 Resp: 116868
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





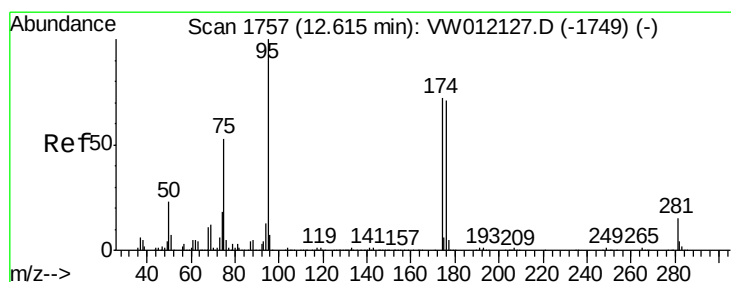
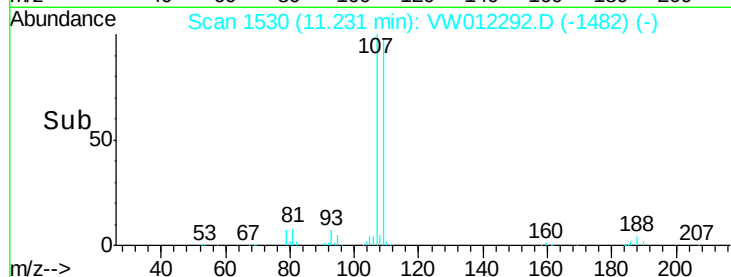
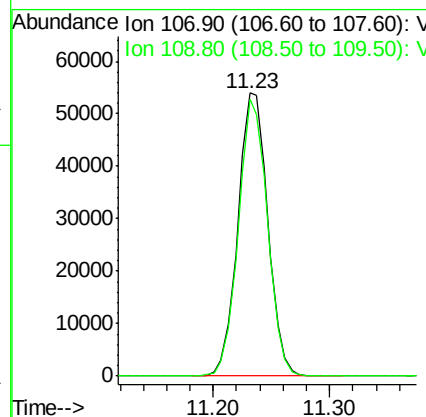
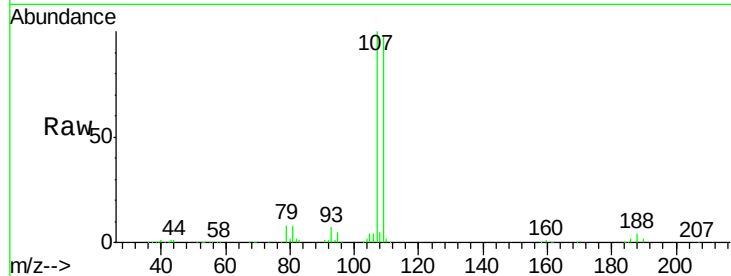
#61
 1,2-Dibromoethane
 Concen: 54.355 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.2

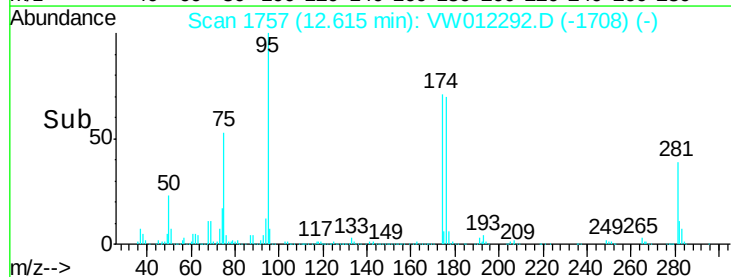
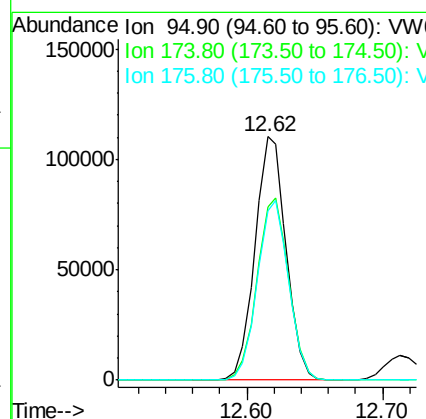
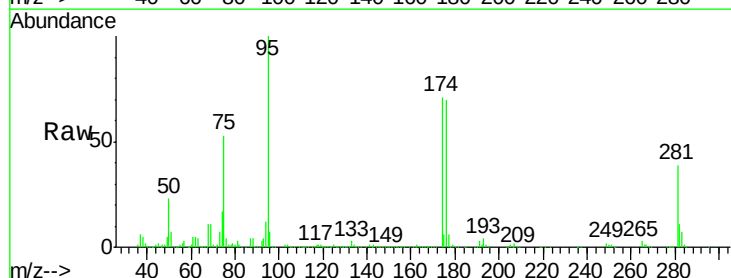
Manual Integrations
 APPROVED

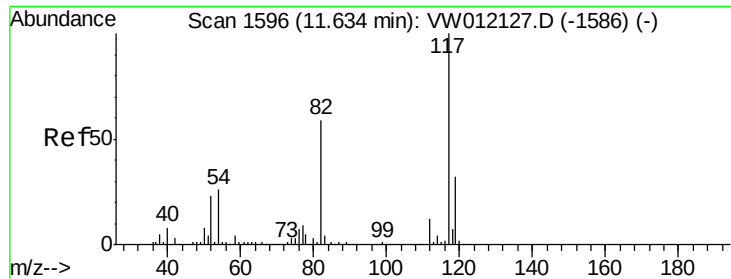
MMDadoda
 8/30/2019 11:41:13 AM



#62
 4-Bromofluorobenzene
 Concen: 51.852 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.8
176	74.1	0.0	148.6





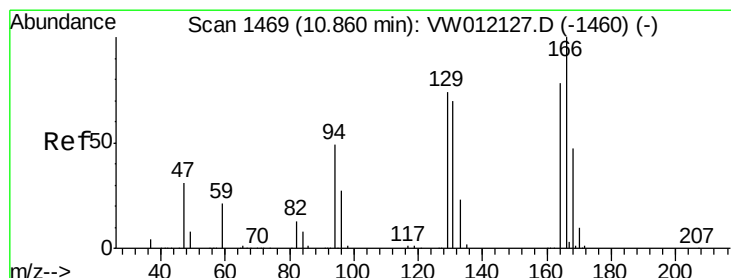
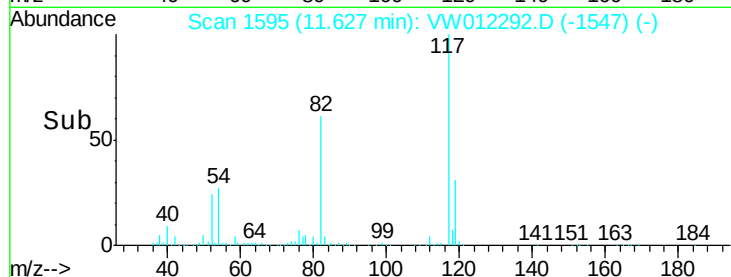
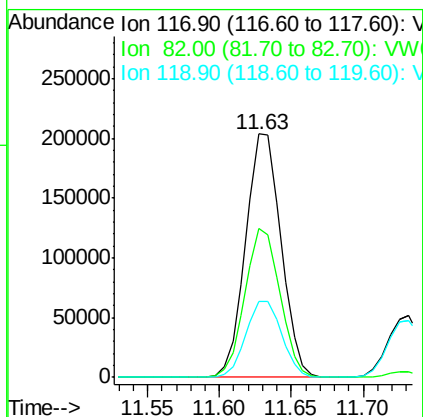
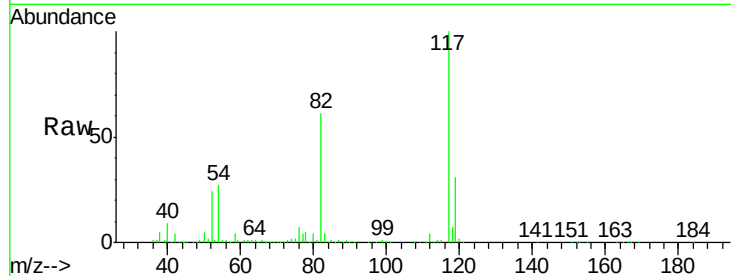
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	346512		
82	60.9	47.4	71.2	
119	31.4	25.4	38.2	

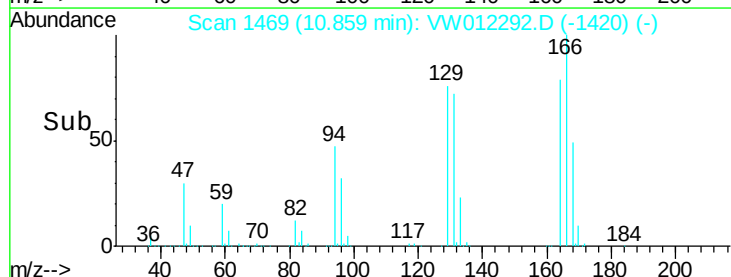
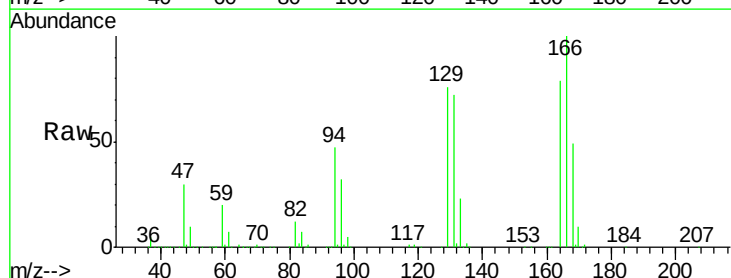
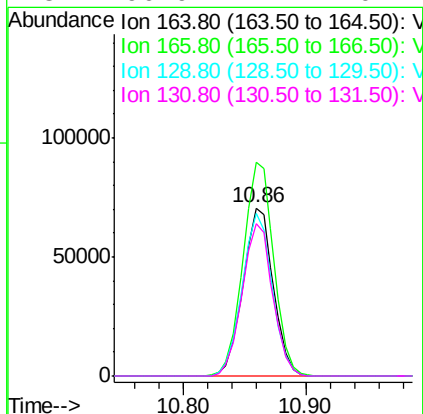
Manual Integrations
APPROVED

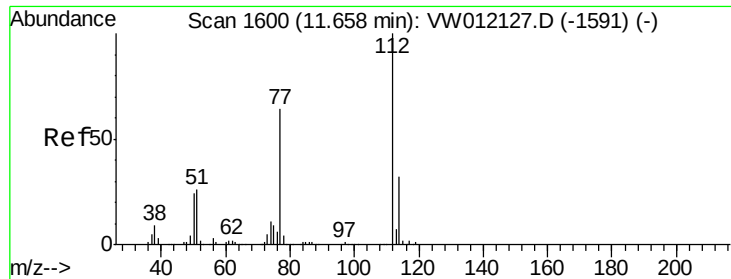
MMDadoda
8/30/2019 11:41:13 AM



#64
Tetrachloroethene
Concen: 53.953 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	121208		
166	127.1	102.4	153.6	
129	96.4	75.8	113.6	
131	90.9	71.4	107.2	





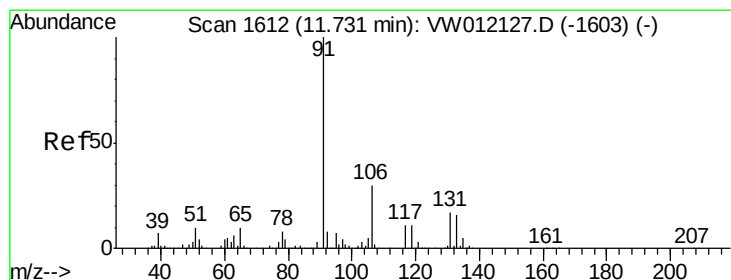
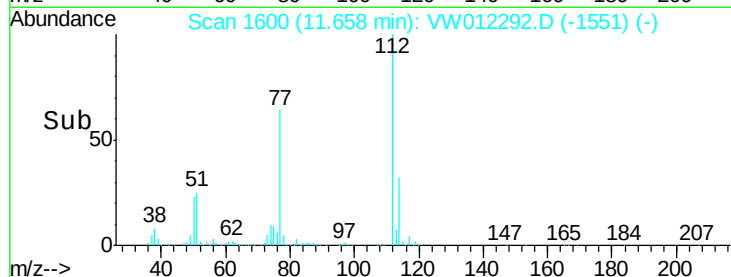
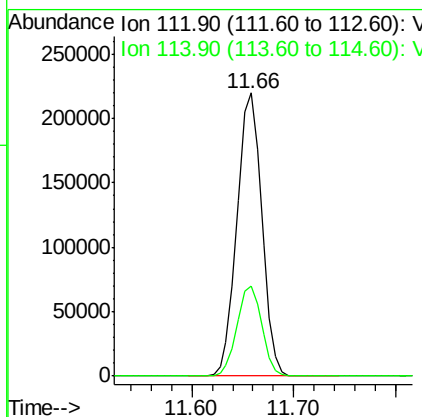
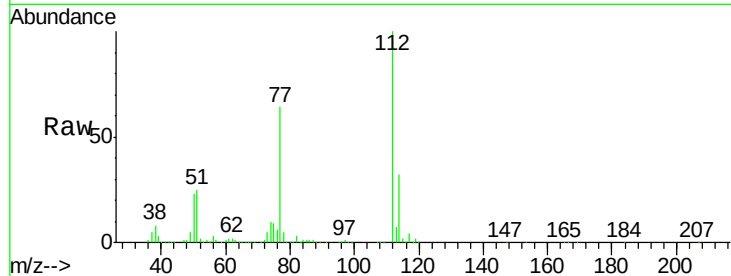
#65
Chlorobenzene
Concen: 54.129 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

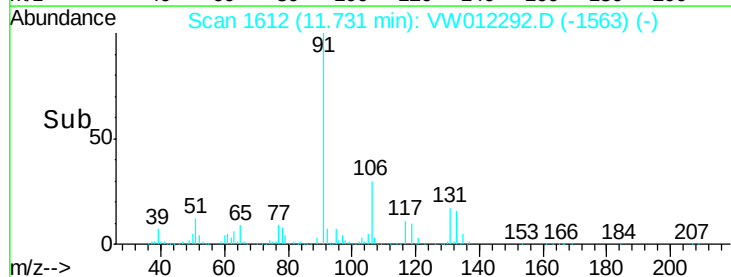
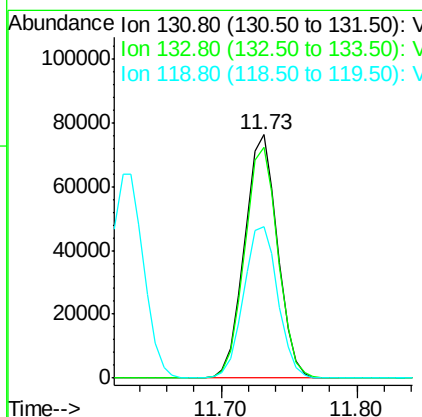
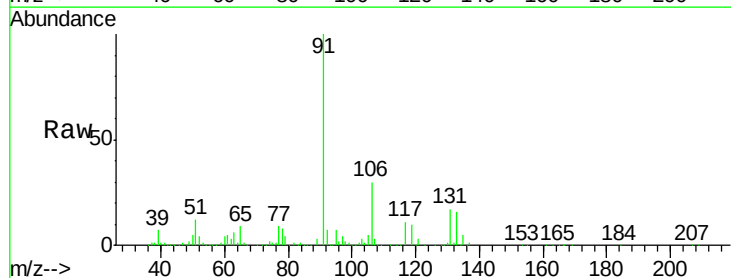
Manual Integrations
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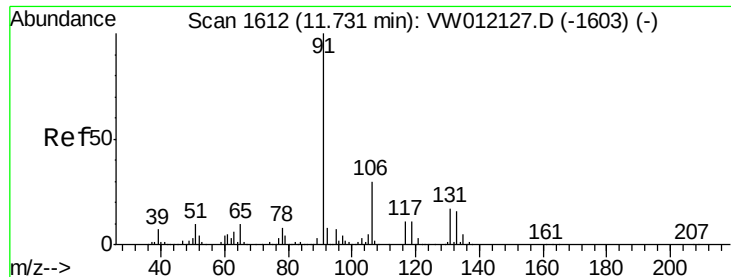
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.508 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.1	141.3
119	64.3	31.8	95.3





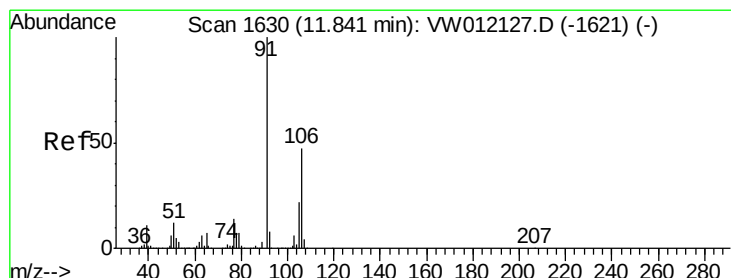
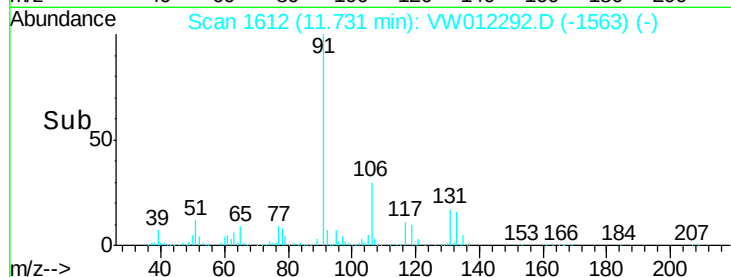
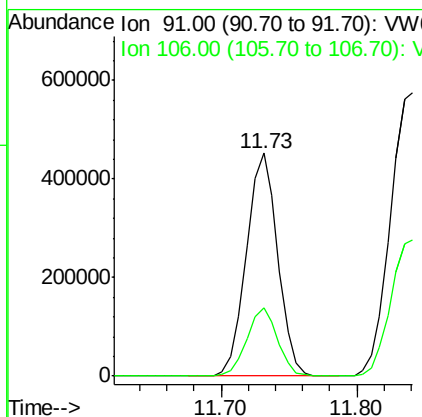
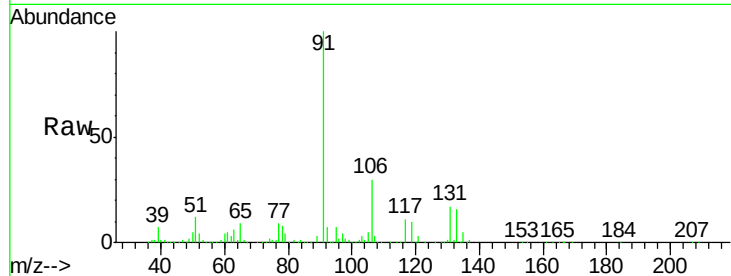
#67
Ethyl Benzene
Concen: 55.469 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		729061		
106	30.4	24.3	36.5		

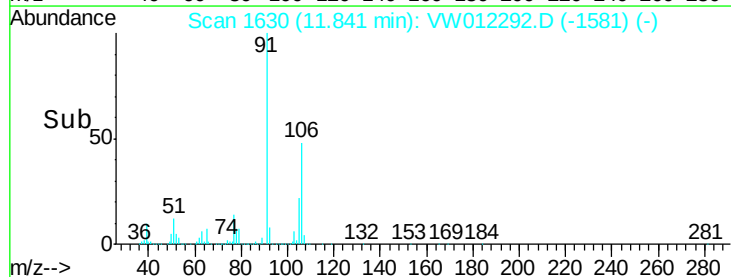
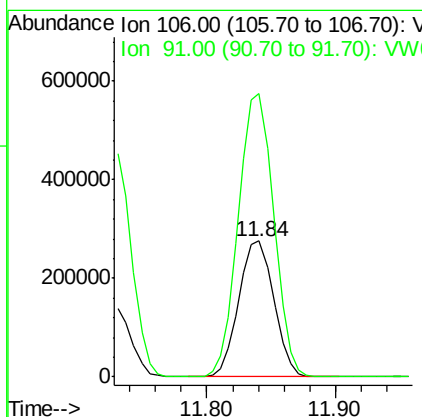
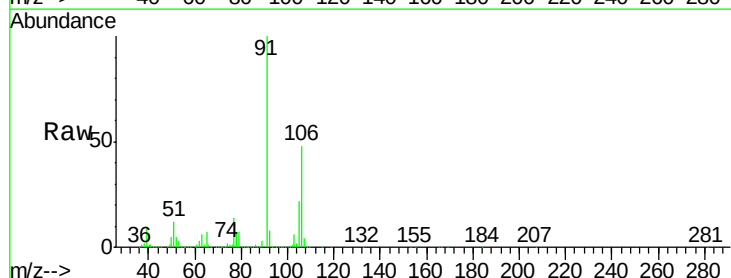
Manual Integrations
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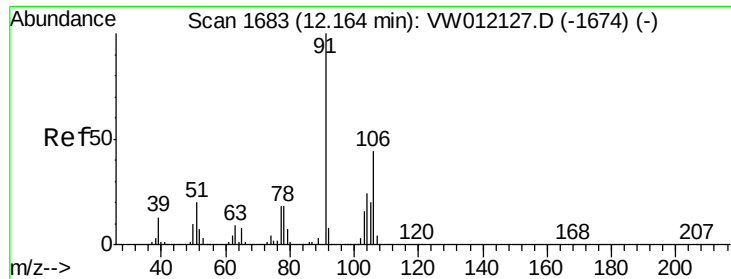
MMDadoda
8/30/2019 11:41:13 AM



#68
m/p-Xylenes
Concen: 110.291 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		522169		
91	209.8	169.5	254.3		





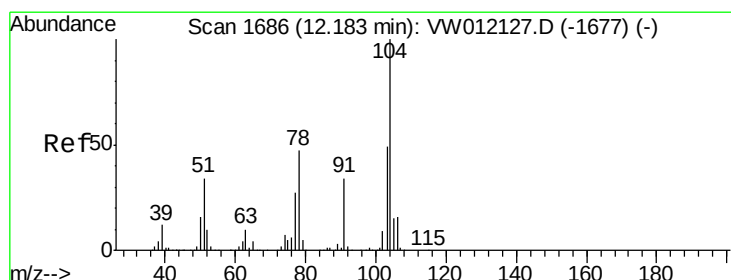
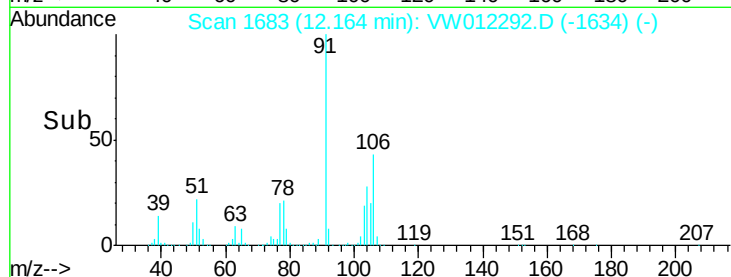
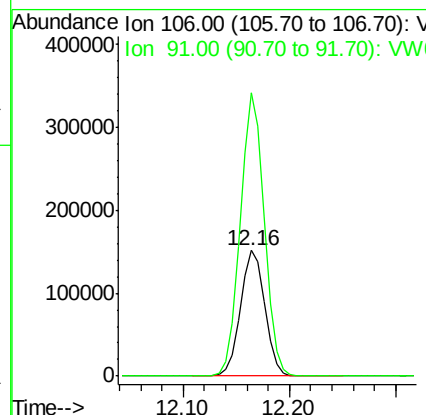
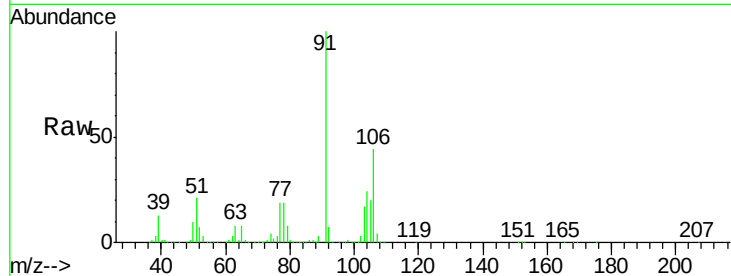
#69
o-Xylene
Concen: 55.458 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	243013		
91	91	221.7	111.6	334.6	

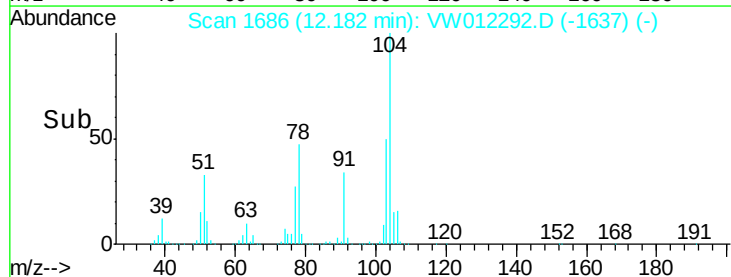
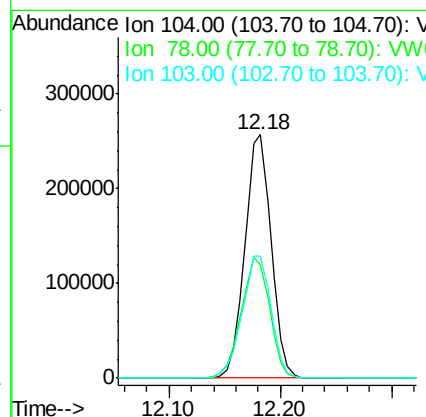
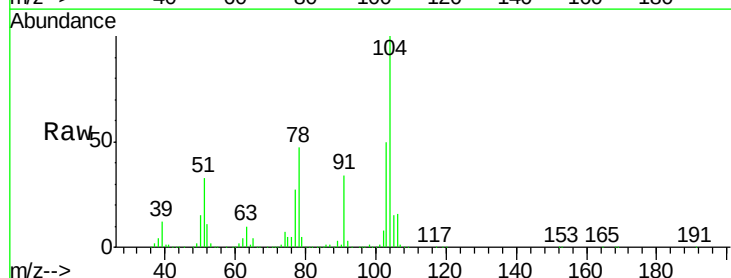
Manual Integrations
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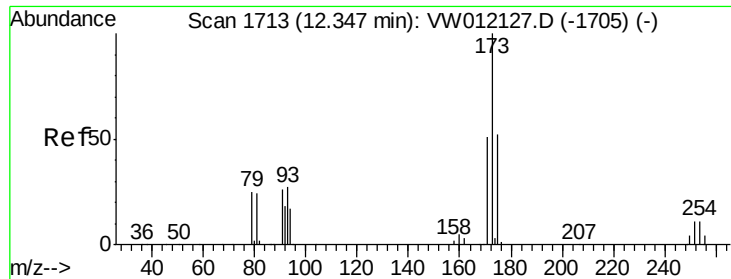
MMDadoda
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#70
Styrene
Concen: 55.412 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	420282		
78	78	54.0	43.1	64.7	
103	103	55.1	43.5	65.3	





#71

Bromoform

Concen: 54.820 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 65013

Ion Ratio Lower Upper

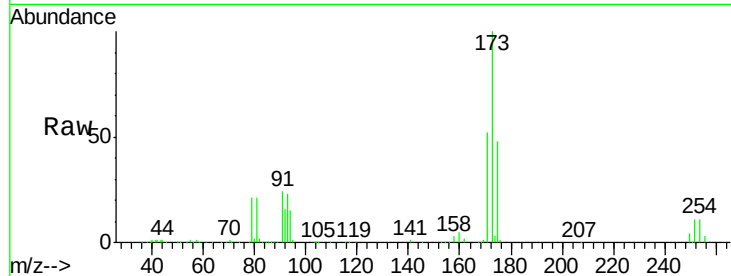
173 100

175 48.9 24.6 74.0

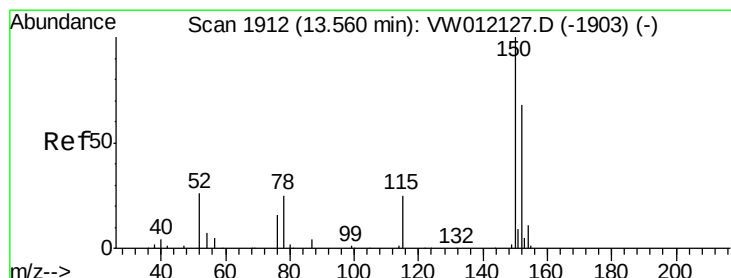
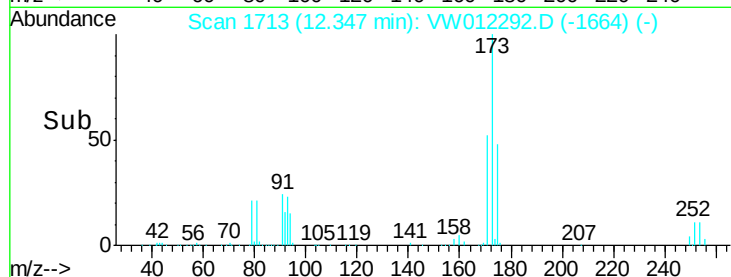
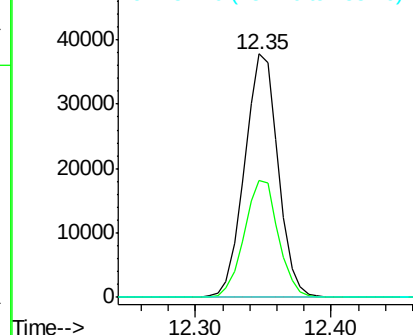
254 0.0 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

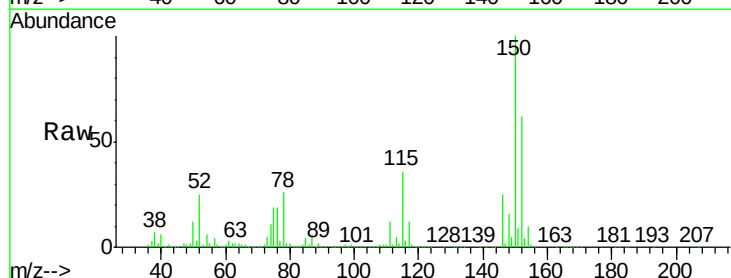
Tgt Ion:152 Resp: 163210

Ion Ratio Lower Upper

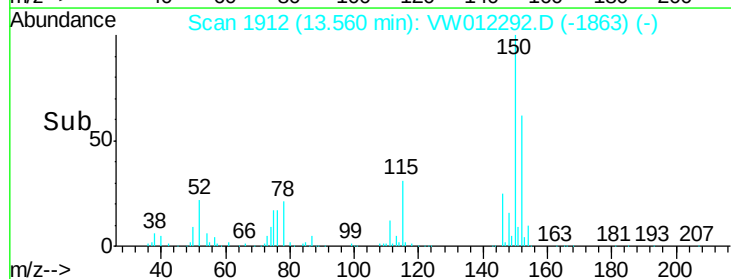
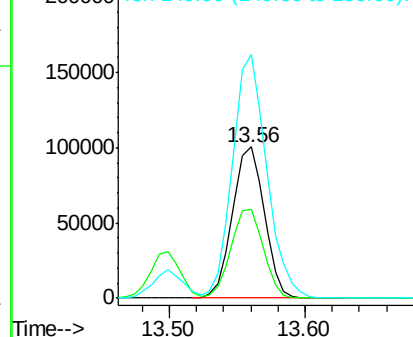
152 100

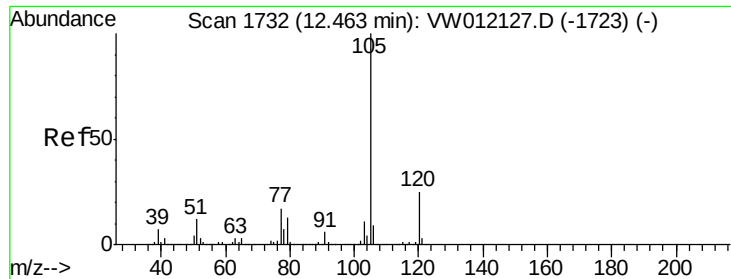
115 60.0 30.1 90.3

150 174.2 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





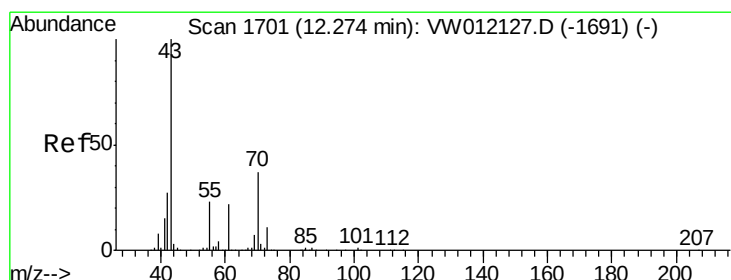
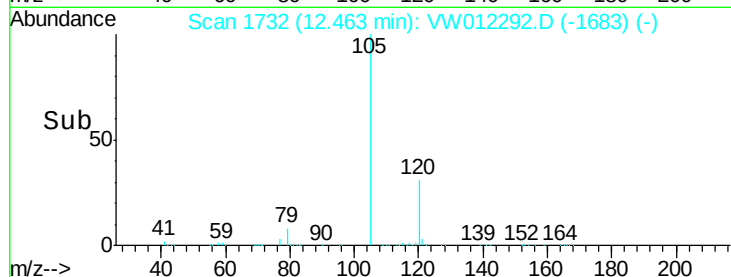
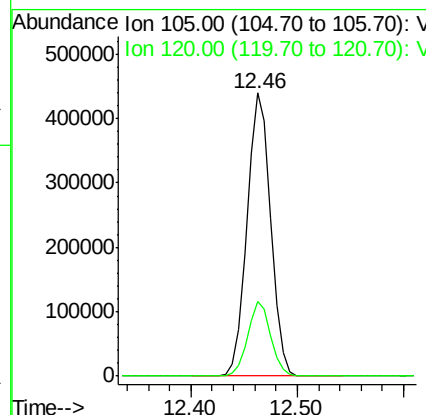
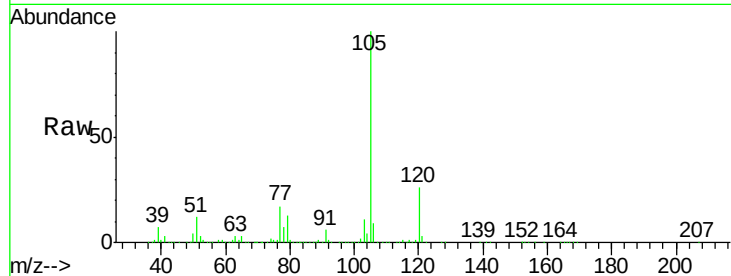
#73
Isopropylbenzene
Concen: 55.933 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.5	37.5

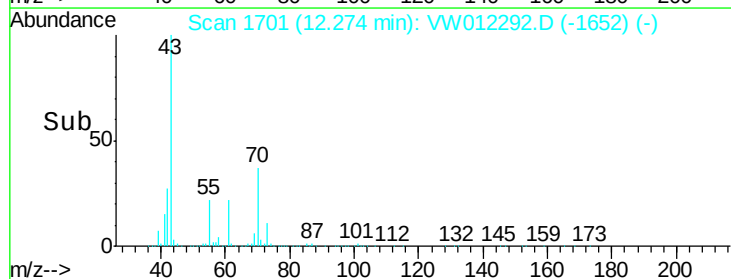
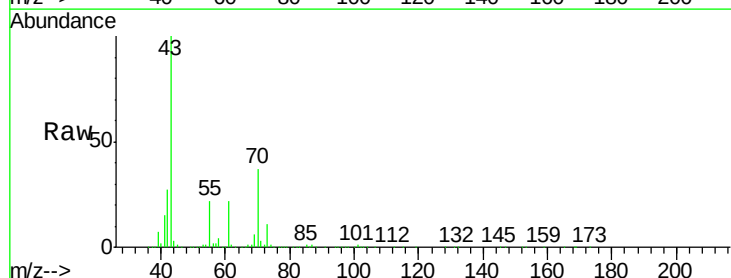
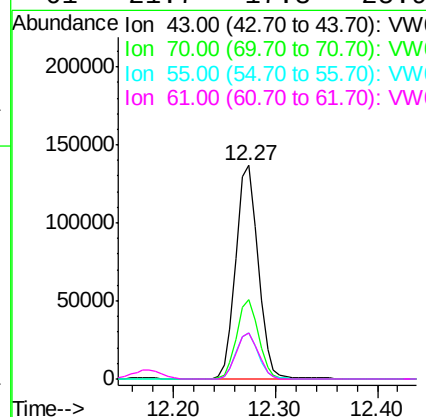
Manual Integrations
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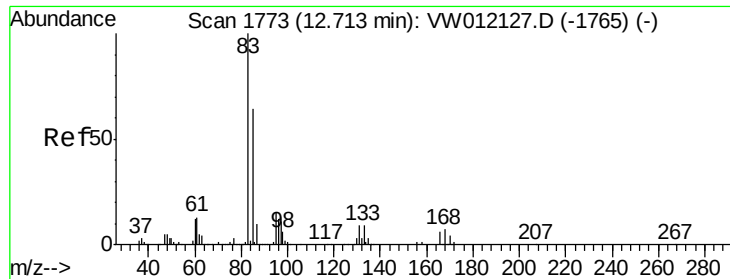
MMDadoda
8/30/2019 11:41:13 AM



#74
N-ethyl acetate
Concen: 55.829 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	28.6	43.0
55	21.6	17.8	26.6
61	21.7	17.3	25.9





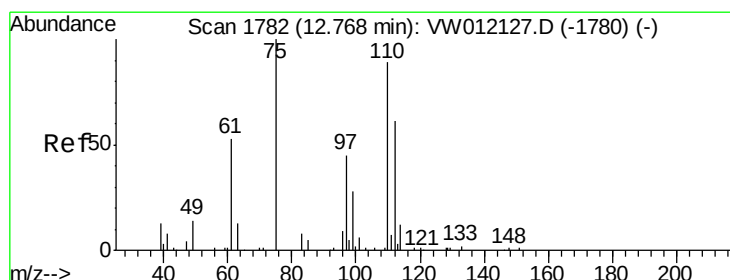
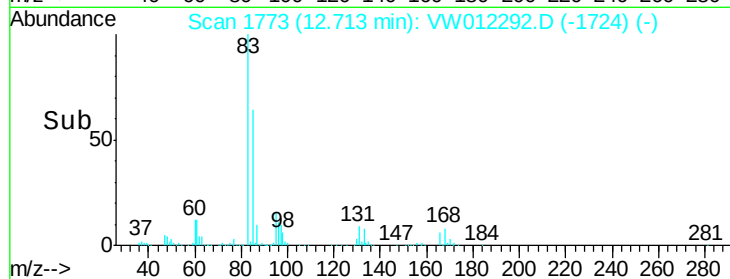
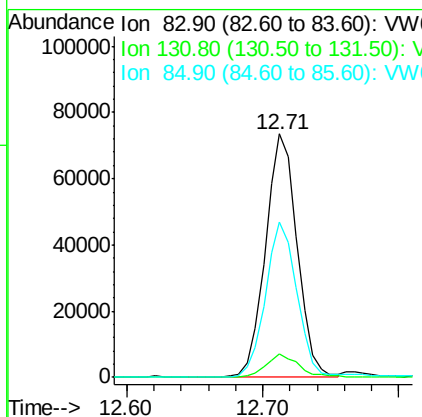
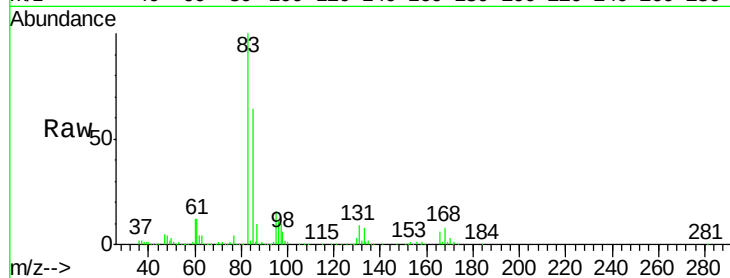
#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.111 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.0	4.9	14.7	
85	63.9	31.9	95.7	

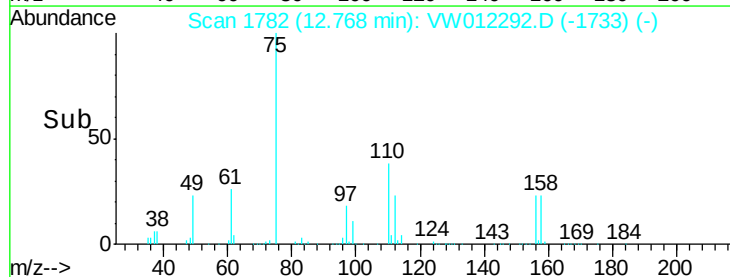
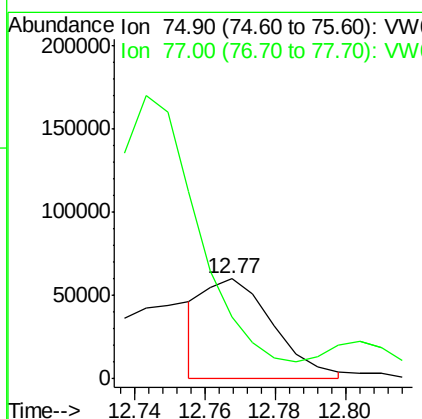
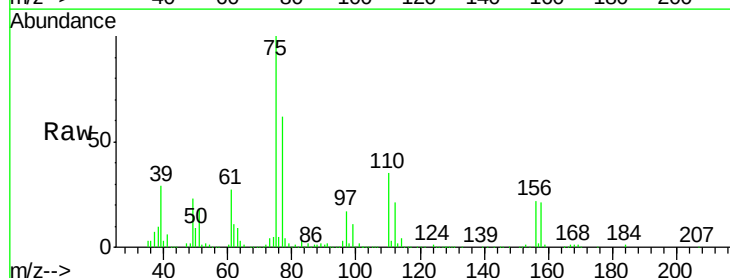
Manual Integrations
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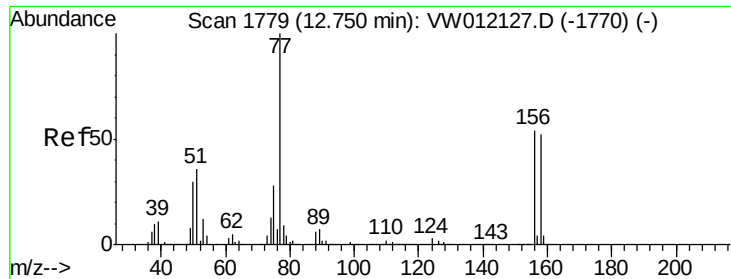
MMDadoda
 8/30/2019 11:41:13 AM



#76
 1,2,3-Trichloropropane
 Concen: 51.521 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

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





#77

Bromobenzene

Concen: 55.788 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 147599

Ion Ratio Lower Upper

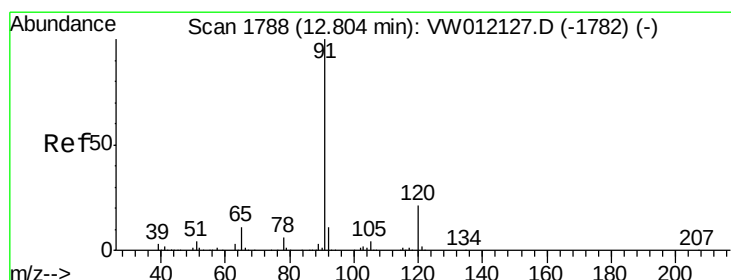
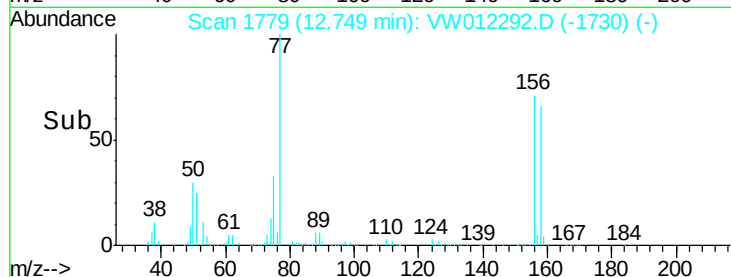
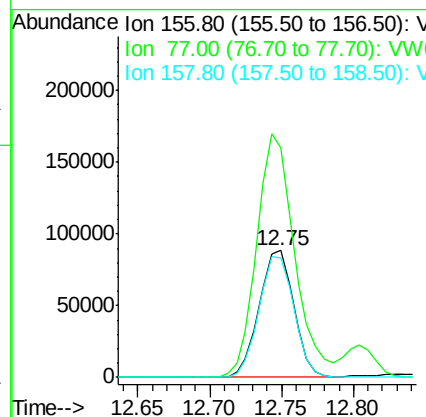
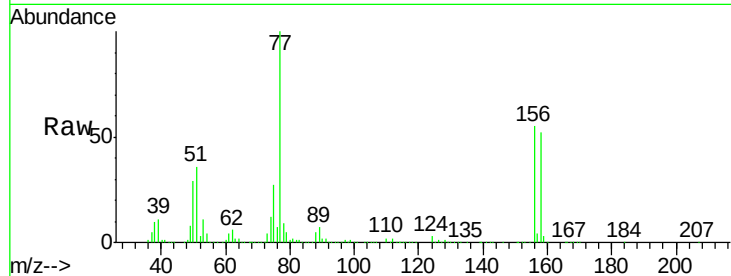
156 100

77 209.2 107.3 321.8

158 96.2 49.0 147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 56.004 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012292.D

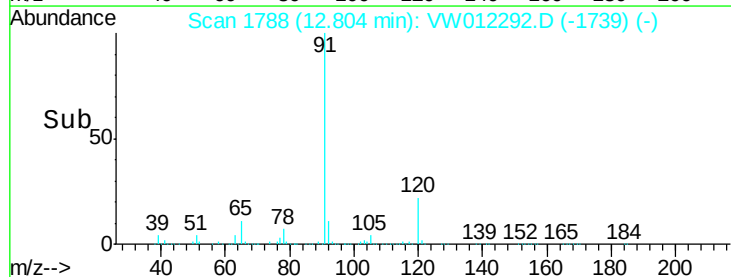
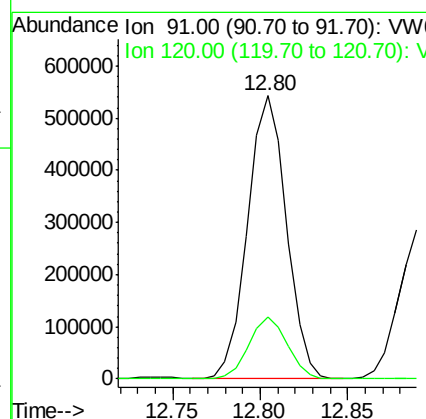
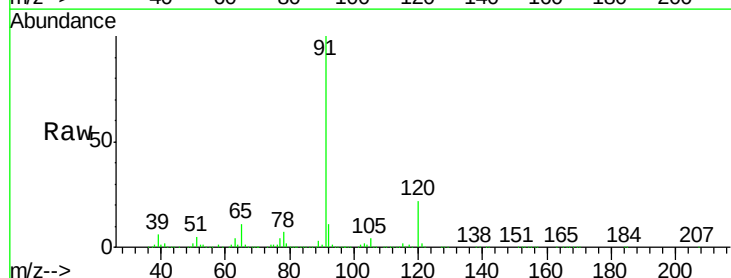
Acq: 29 Aug 2019 09:30

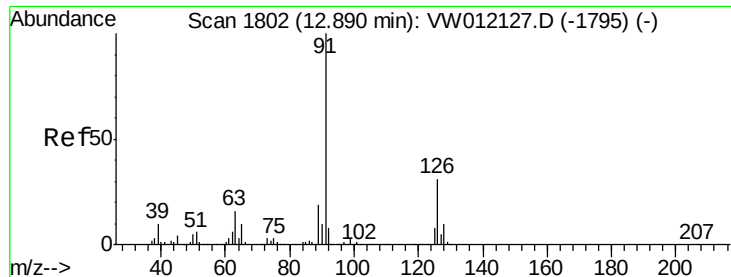
Tgt Ion: 91 Resp: 836126

Ion Ratio Lower Upper

91 100

120 21.7 10.5 31.6





#79

2-Chlorotoluene

Concen: 55.353 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 469187

Ion Ratio Lower Upper

91 100

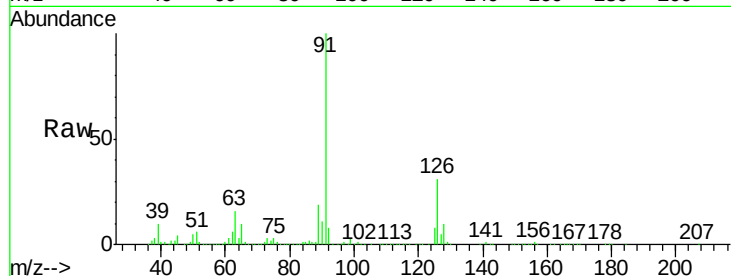
126 31.3 15.7 47.0

Manual Integrations

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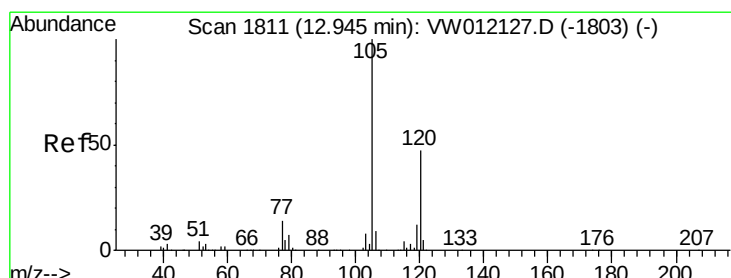
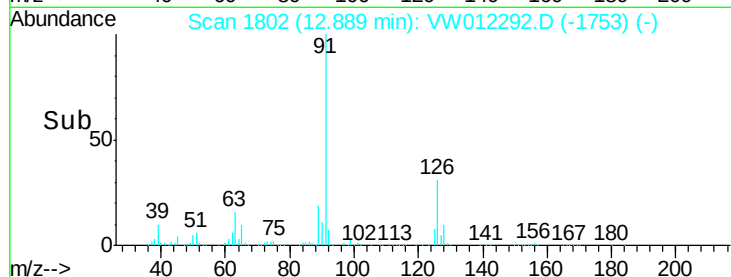
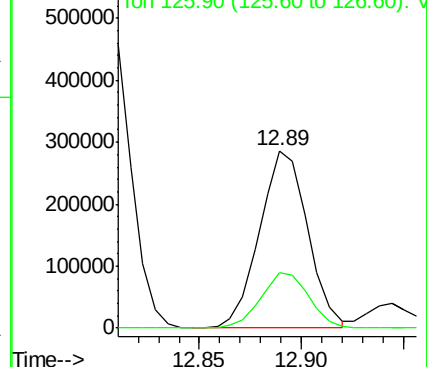
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.215 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012292.D

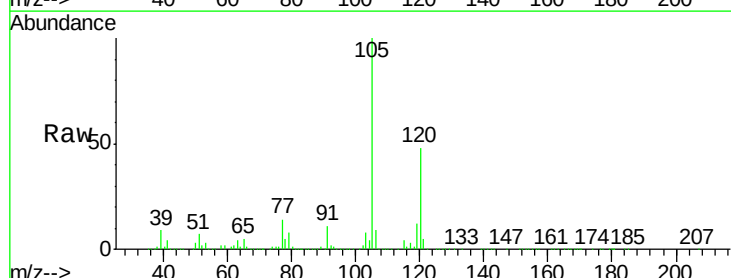
Acq: 29 Aug 2019 09:30

Tgt Ion:105 Resp: 574465

Ion Ratio Lower Upper

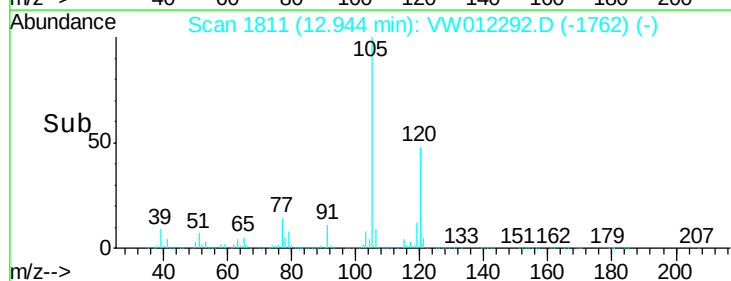
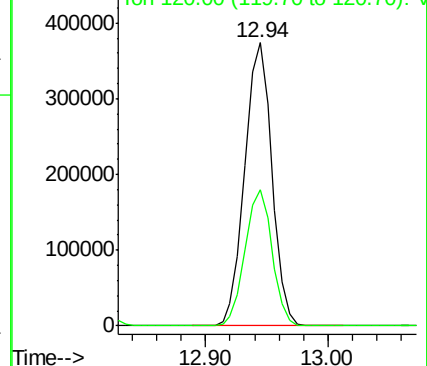
105 100

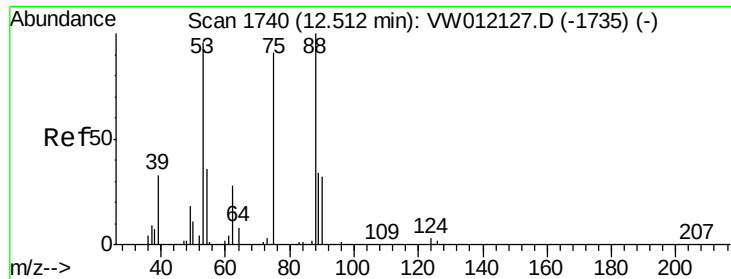
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





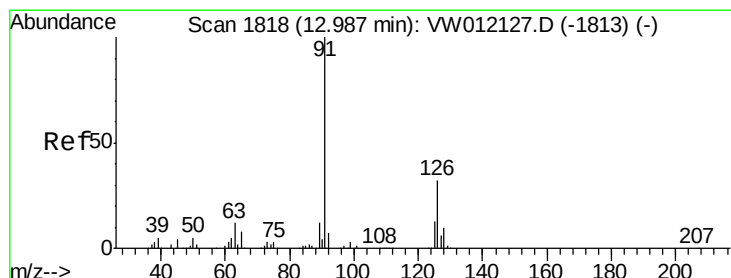
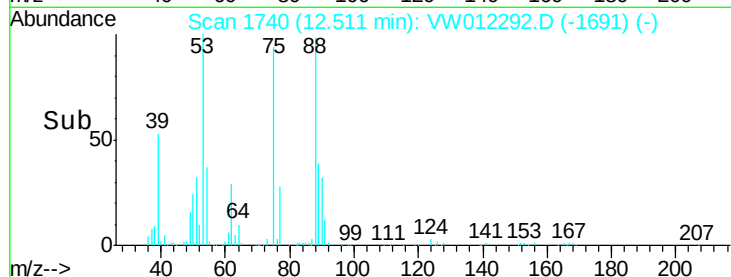
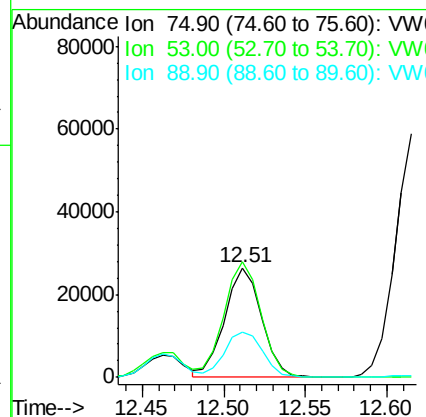
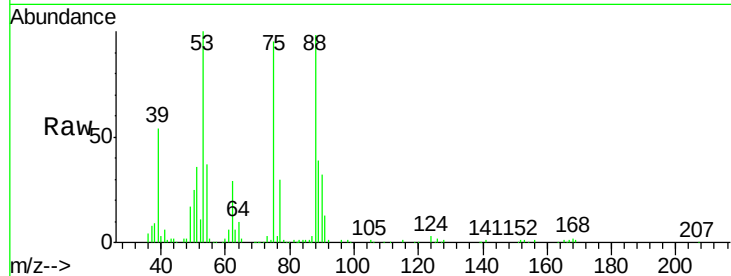
#81
trans-1,4-Dichloro-2-butene
Concen: 56.552 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.6	89.4	134.0
89	43.7	34.5	51.7

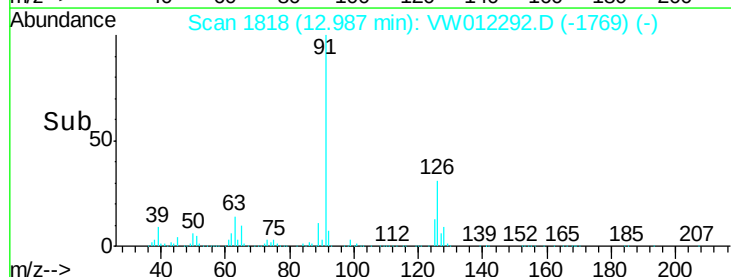
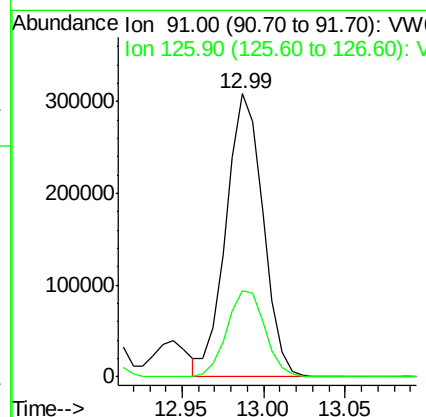
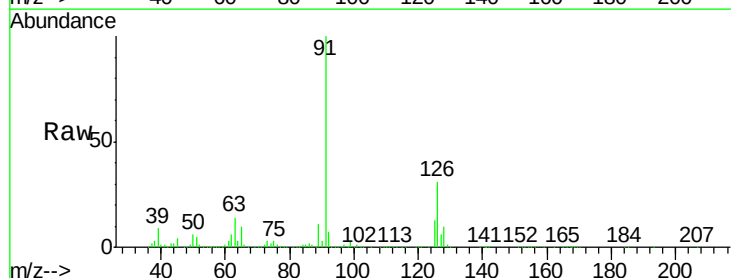
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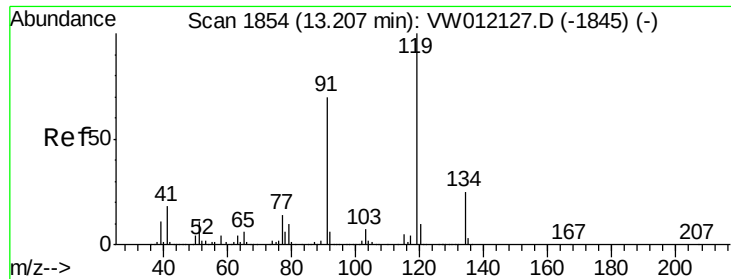
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.789 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





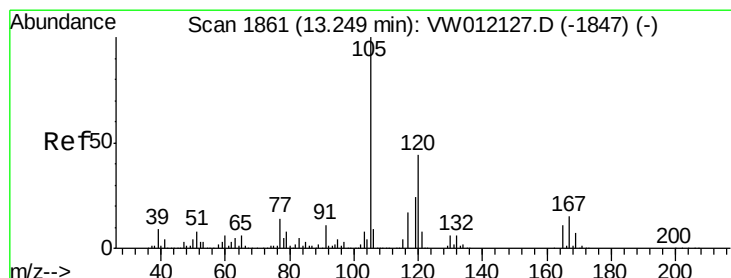
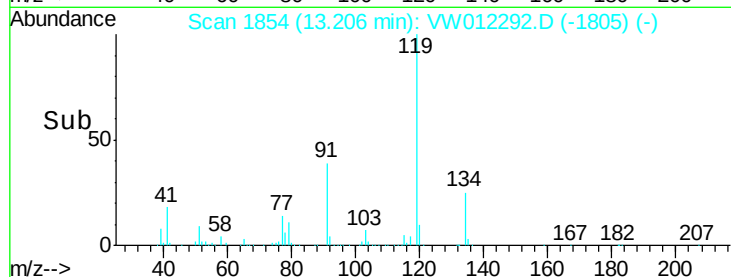
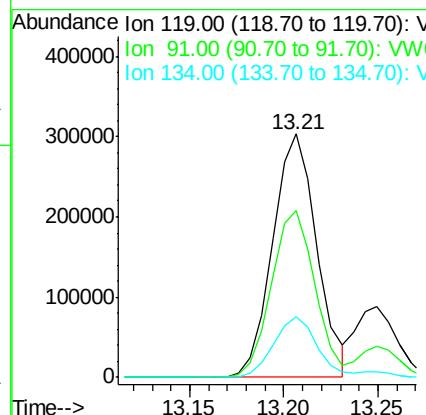
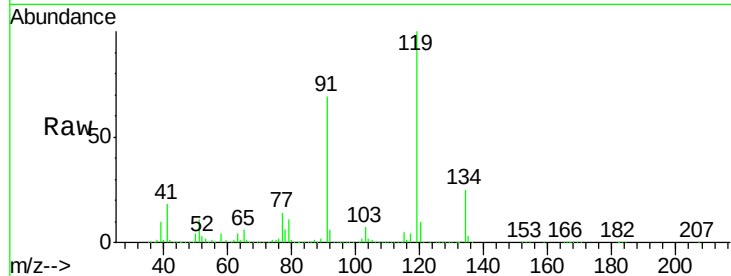
#83
tert-Butylbenzene
Concen: 56.818 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.8	104.3
134	26.0	13.3	39.8

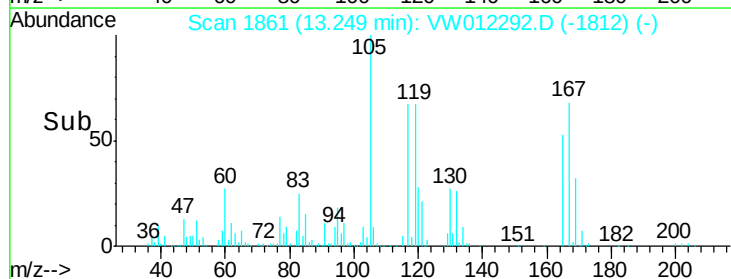
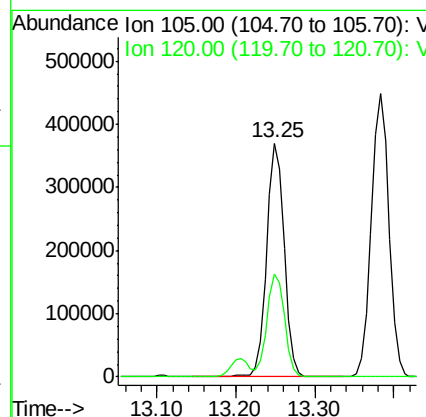
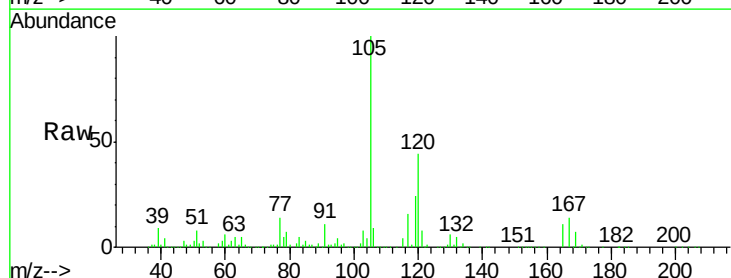
Manual Integrations
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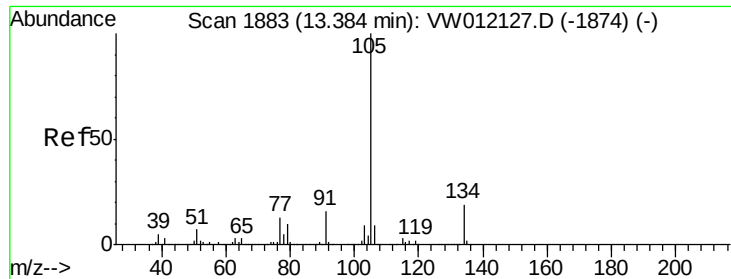
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.401 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





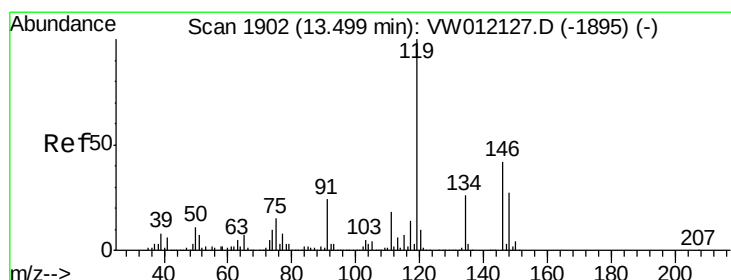
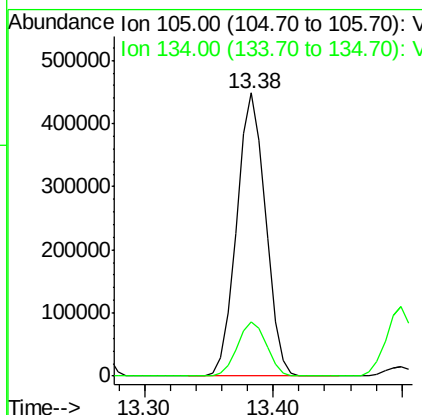
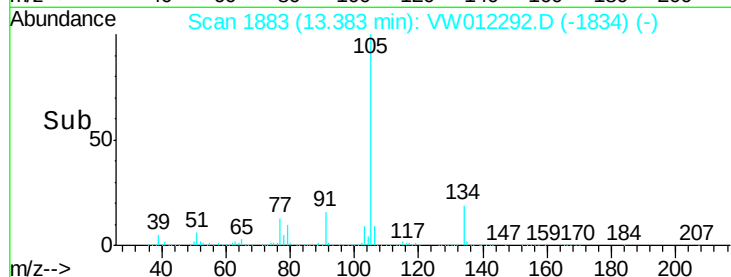
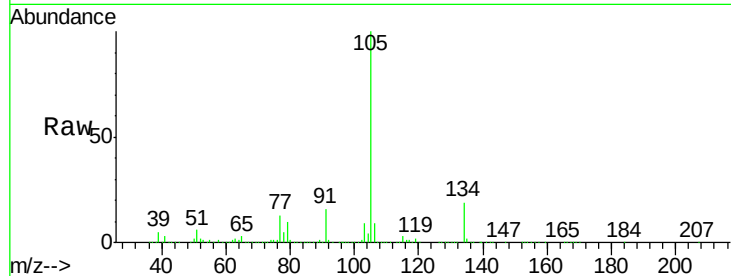
#85
 sec-Butylbenzene
 Concen: 56.102 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

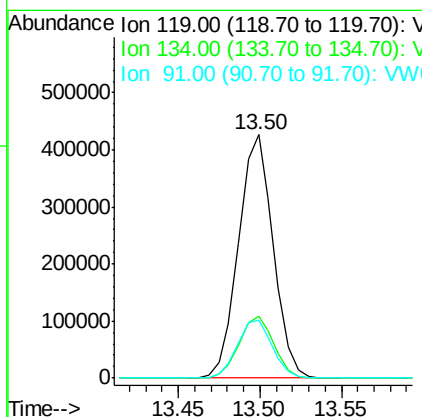
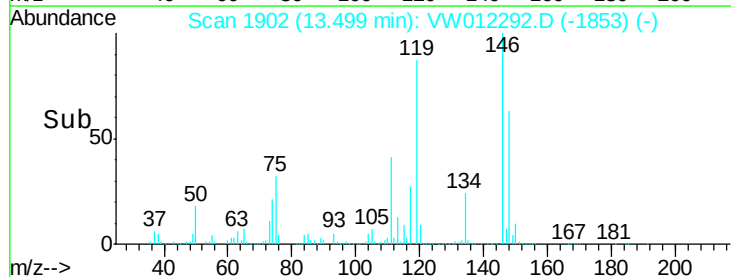
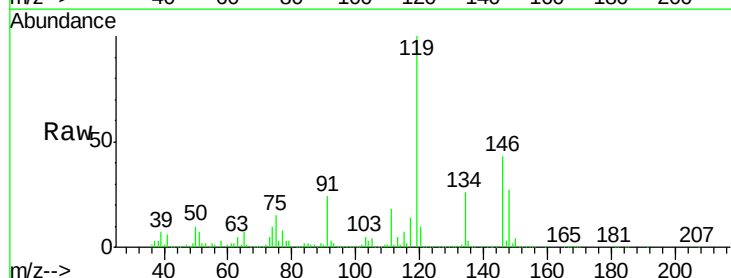
Manual Integrations
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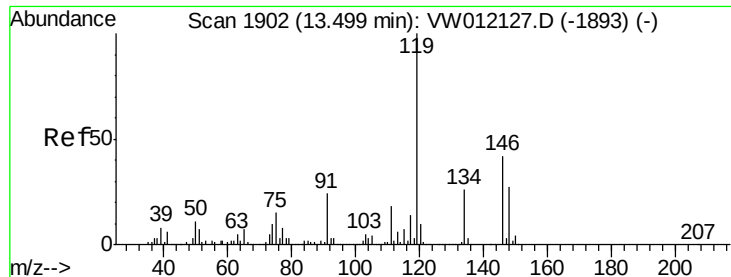
MMDadoda
 8/30/2019 11:41:13 AM



#86
 p-Isopropyltoluene
 Concen: 56.808 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	24.1	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 55.025 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Instrument :

MSVOA_W

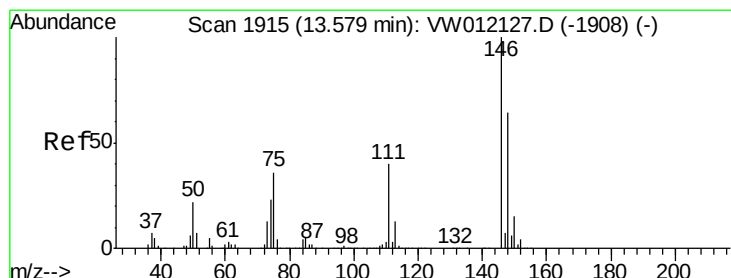
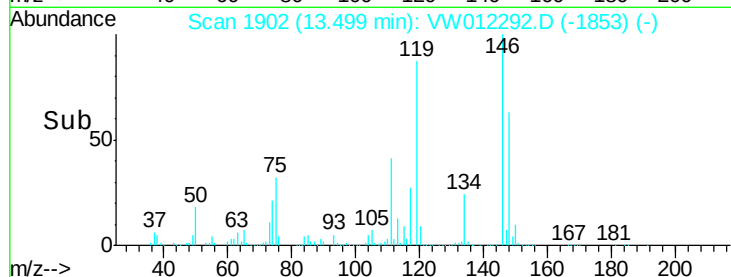
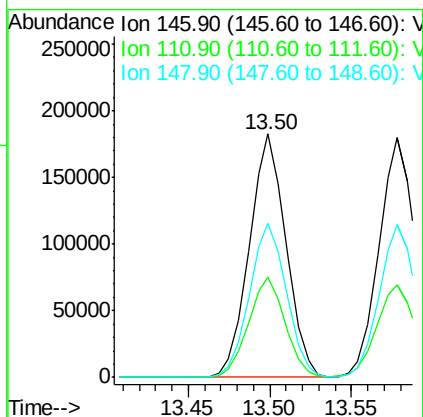
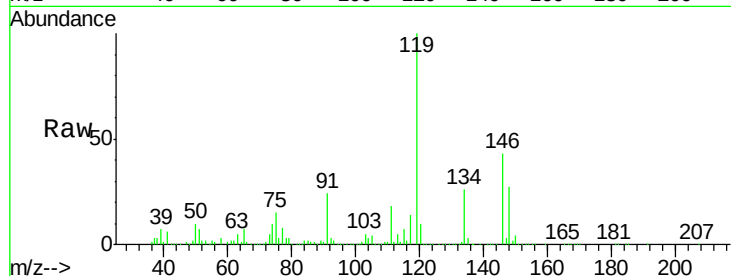
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	284750
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.9	62.7
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.363 ug/l

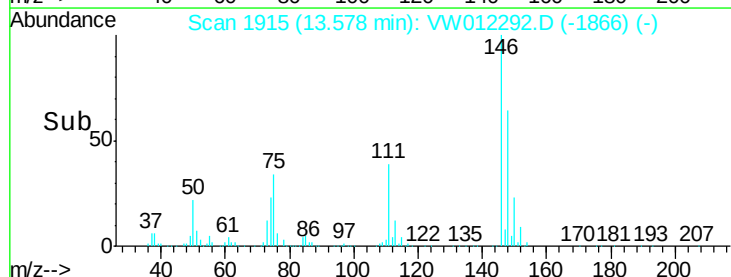
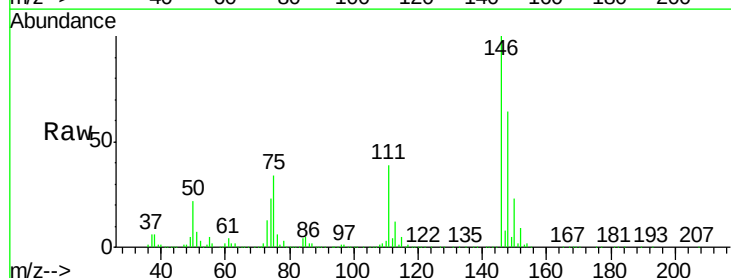
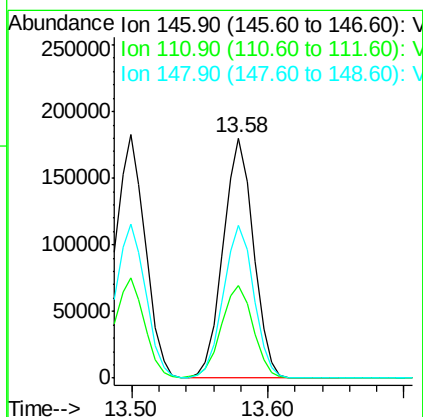
RT: 13.58 min Scan# 1915

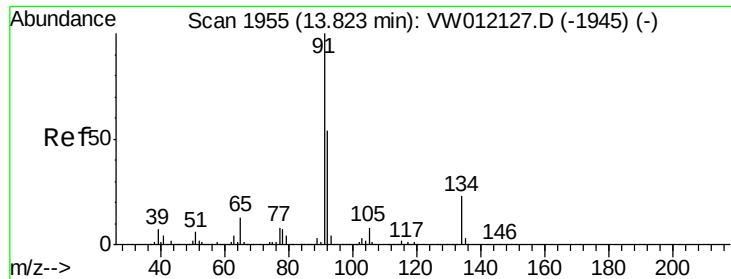
Delta R.T. -0.00 min

Lab File: VW012292.D

Acq: 29 Aug 2019 09:30

Tgt Ion:	146	Resp:	279337
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.0	60.0
148	63.9	32.1	96.3





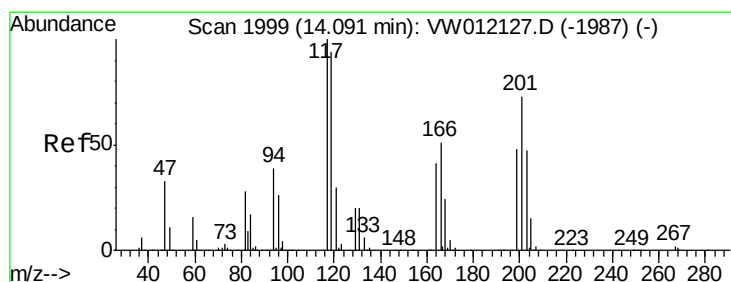
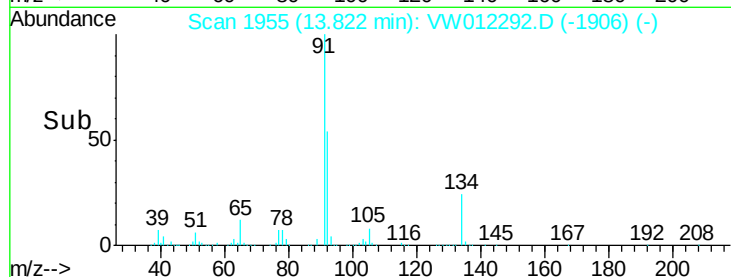
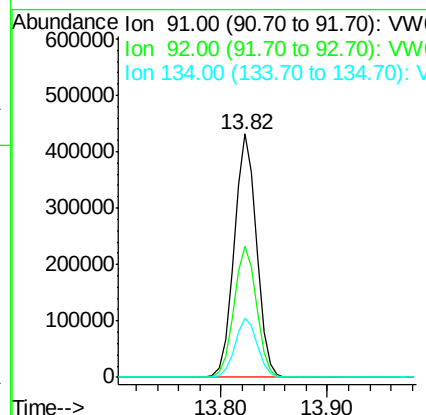
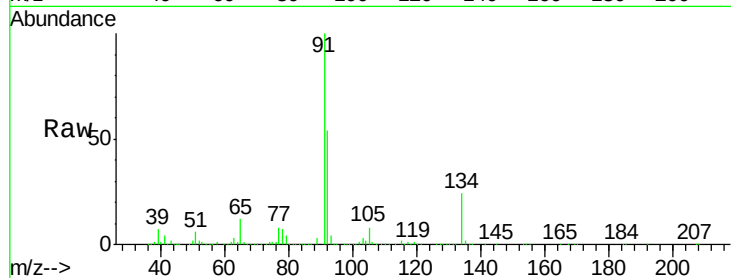
#89
n-Butylbenzene
Concen: 57.389 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.2
134	24.4	12.2	36.4

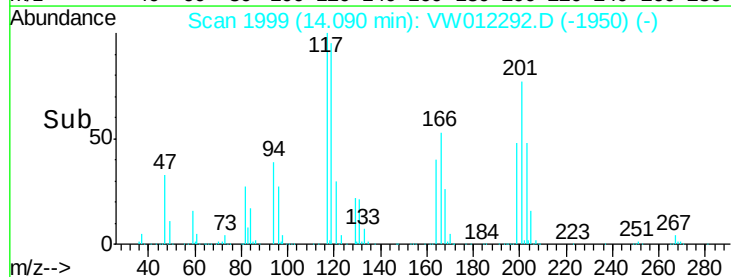
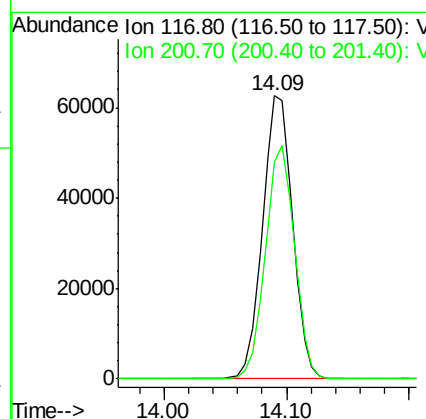
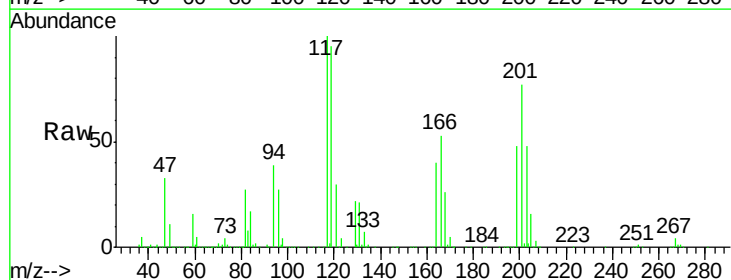
Manual Integrations
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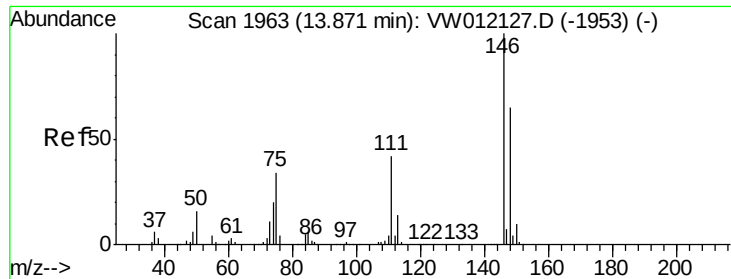
MMDadoda
8/30/2019 11:41:13 AM



#90
Hexachloroethane
Concen: 55.248 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	38.6	115.7





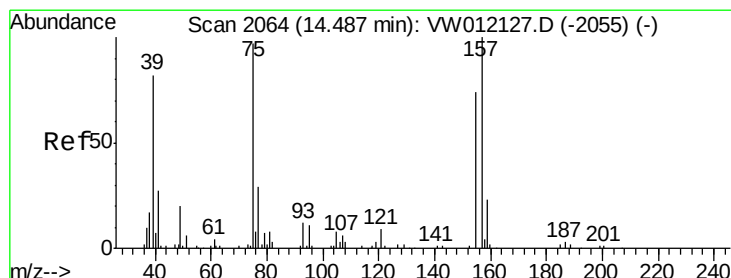
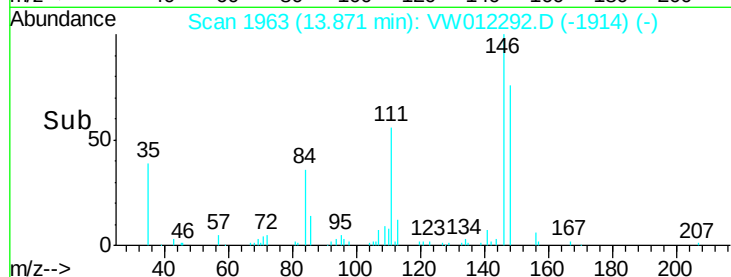
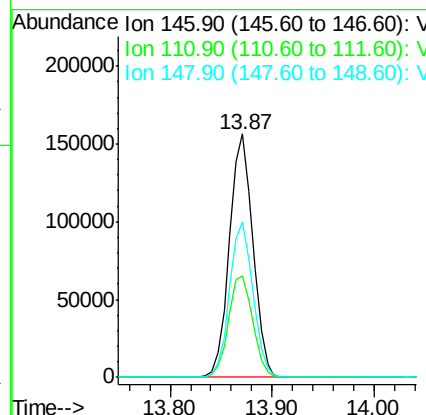
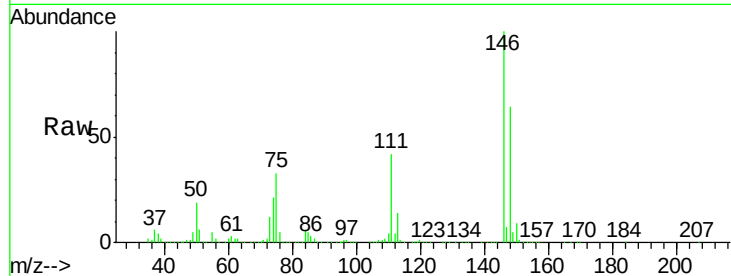
#91
 1,2-Dichlorobenzene
 Concen: 54.799 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	248777		
111	43.1	21.2	63.6	
148	63.5	32.5	97.4	

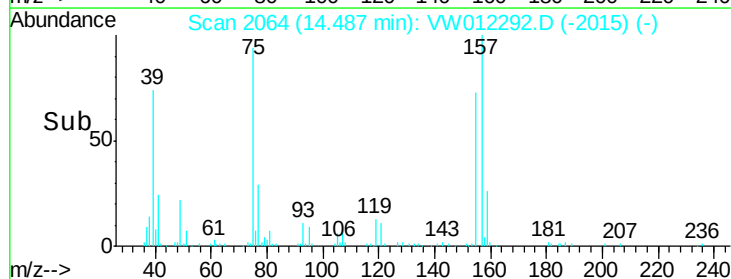
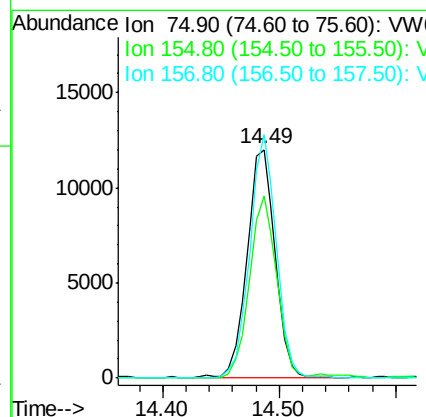
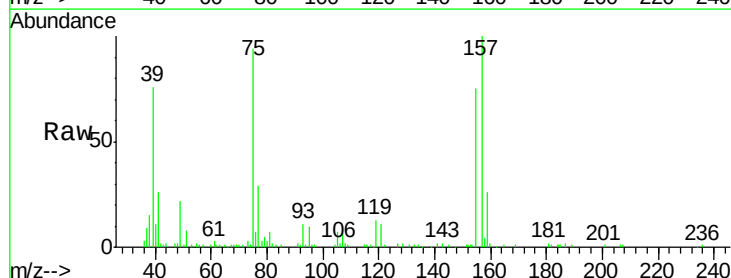
Manual Integrations
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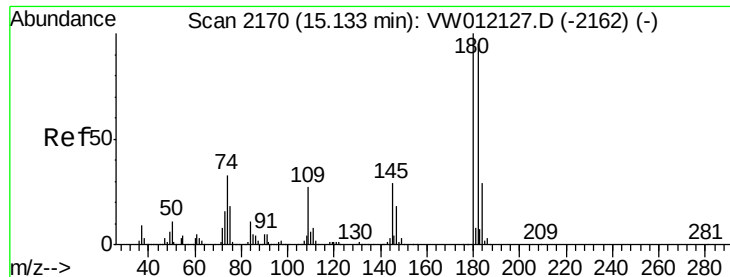
MMDadoda
 8/30/2019 11:41:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.631 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20271		
155	76.8	37.5	112.3	
157	100.4	50.5	151.5	





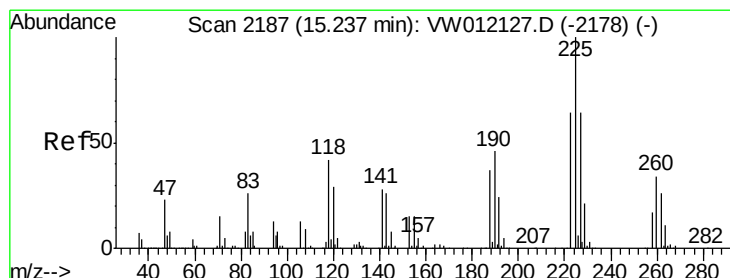
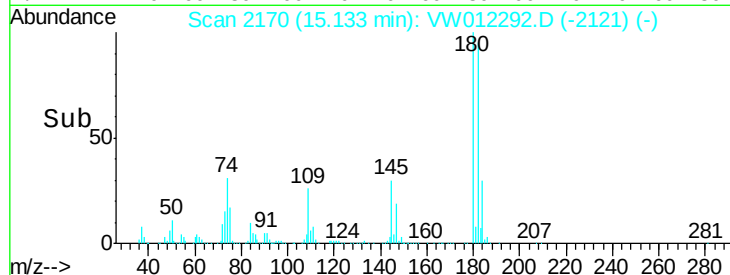
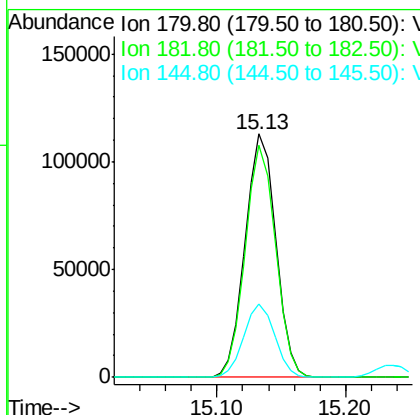
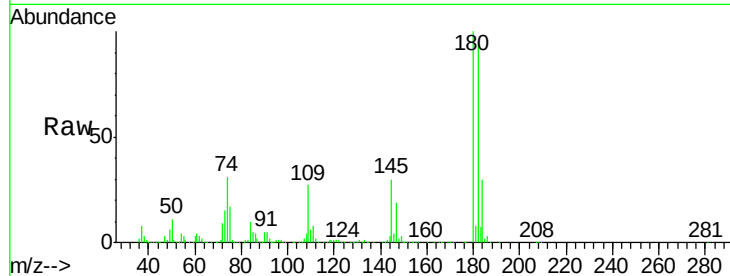
#93
 1,2,4-Trichlorobenzene
 Concen: 59.208 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	185752		
182	94.4	47.8	143.4	
145	30.6	15.0	45.1	

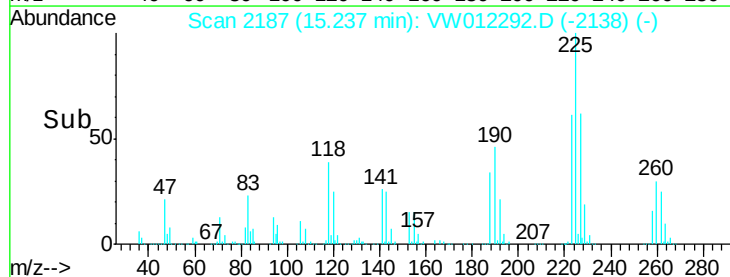
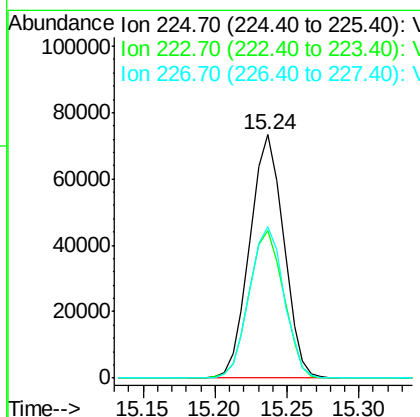
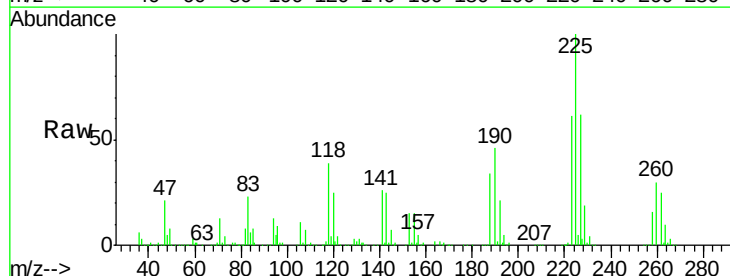
Manual Integrations
 APPROVED

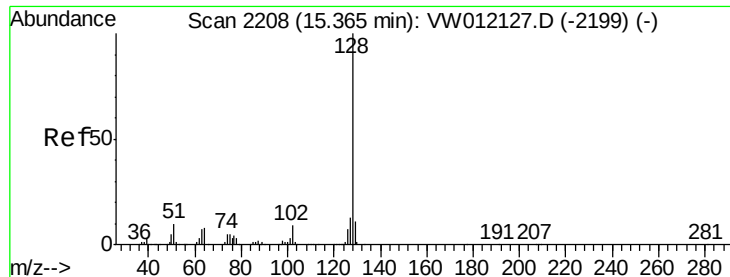
MMDadoda
 8/30/2019 11:41:13 AM



#94
 Hexachlorobutadiene
 Concen: 57.868 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012292.D
 Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119876		
223	61.9	32.3	96.8	
227	63.3	32.9	98.6	





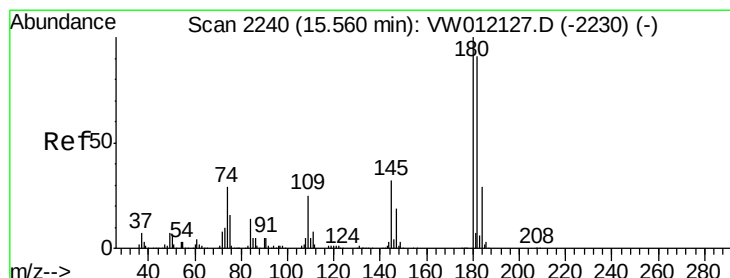
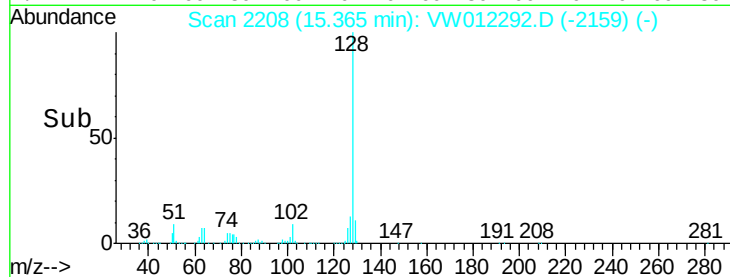
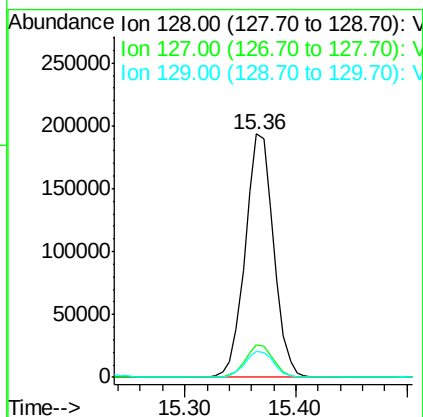
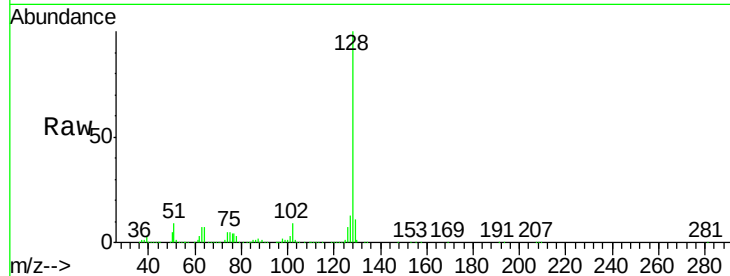
#95
Naphthalene
Concen: 55.218 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/30/2019 11:41:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.951 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012292.D
Acq: 29 Aug 2019 09:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	32.8	16.2	48.5

