

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008328.D
 Acq On : 17 Jan 2019 14:57
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:09:49 PM

Quant Time: Jan 18 00:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:24:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	190708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	178993	143.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.36%	
35) Dibromofluoromethane	7.88	113	182184	149.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.32%	
50) Toluene-d8	10.32	98	727573	152.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.26%	
62) 4-Bromofluorobenzene	12.62	95	252703	147.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	119985	158.445	ug/l	100
3) Chloromethane	2.22	50	168794	152.057	ug/l	95
4) Vinyl Chloride	2.37	62	203070	143.173	ug/l	92
5) Bromomethane	2.77	94	176512	164.215	ug/l	92
6) Chloroethane	2.92	64	150194	161.782	ug/l	95
7) Trichlorofluoromethane	3.26	101	173151	166.263	ug/l	98
8) Diethyl Ether	3.67	74	101572	140.650	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	183722	151.527	ug/l	98
10) Methyl Iodide	4.26	142	302857	154.877	ug/l	98
11) Tert butyl alcohol	5.18	59	58126	672.605	ug/l	99
12) 1,1-Dichloroethene	4.03	96	185705	150.593	ug/l	95
13) Acrolein	3.89	56	64266	865.764	ug/l	91
14) Allyl chloride	4.65	41	315556	153.067	ug/l	100
15) Acrylonitrile	5.36	53	206501	744.391	ug/l	99
16) Acetone	4.12	43	203479	700.843	ug/l	97
17) Carbon Disulfide	4.37	76	591519	157.639	ug/l	98
18) Methyl Acetate	4.67	43	105530	136.070	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	271504	143.827	ug/l	95
20) Methylene Chloride	4.90	84	192695	124.986	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	210969	152.322	ug/l	93
22) Diisopropyl ether	6.31	45	594947	147.818	ug/l	97
23) Vinyl Acetate	6.25	43	1712912	796.164	ug/l	99
24) 1,1-Dichloroethane	6.21	63	365741	149.243	ug/l	99
25) 2-Butanone	7.17	43	277247	745.564	ug/l	100
26) 2,2-Dichloropropane	7.16	77	211453	135.208	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	225597	150.338	ug/l	99
28) Bromochloromethane	7.51	49	148992	147.568	ug/l #	98
29) Tetrahydrofuran	7.52	42	172723	745.059	ug/l	99
30) Chloroform	7.67	83	364081	150.156	ug/l	97
31) Cyclohexane	7.95	56	334229	143.142	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	298100	146.491	ug/l	99
36) 1,1-Dichloropropene	8.08	75	295879	154.209	ug/l	99
37) Ethyl Acetate	7.26	43	118545	149.825	ug/l	98
38) Carbon Tetrachloride	8.06	117	290587	153.375	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	368237	161.347	ug/l	97
40) Benzene	8.32	78	828945	152.519	ug/l	98
41) Methacrylonitrile	7.48	41	64040	139.037	ug/l	90
42) 1,2-Dichloroethane	8.40	62	224470	147.699	ug/l	99
43) Isopropyl Acetate	8.42	43	234367	156.813	ug/l	99
44) Trichloroethene	9.09	130	231538	155.494	ug/l	99
45) 1,2-Dichloropropane	9.37	63	204190	151.246	ug/l	100
46) Dibromomethane	9.46	93	105025	149.261	ug/l	98
47) Bromodichloromethane	9.64	83	268010	154.417	ug/l	98
48) Methyl methacrylate	9.43	41	113371	161.136	ug/l	97
49) 1,4-Dioxane	9.45	88	33295	2939.404	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	590190	779.870	ug/l	100
52) Toluene	10.39	92	533580	155.133	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	274336	158.368	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	325936	159.611	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	146021	149.620	ug/l	96
56) Ethyl methacrylate	10.65	69	189806	165.602	ug/l	99
57) 1,3-Dichloropropane	10.93	76	258483	152.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	446585	807.778	ug/l	99
59) 2-Hexanone	10.97	43	430915	812.667	ug/l	100
60) Dibromochloromethane	11.13	129	185916	159.617	ug/l	99
61) 1,2-Dibromoethane	11.24	107	144710	153.125	ug/l	99
64) Tetrachloroethene	10.86	164	197144	159.745	ug/l	99
65) Chlorobenzene	11.66	112	581631	151.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	204461	154.742	ug/l	99
67) Ethyl Benzene	11.73	91	1042654	156.417	ug/l	99
68) m/p-Xylenes	11.84	106	801297	309.701	ug/l	99
69) o-Xylene	12.17	106	380812	157.540	ug/l	100
70) Styrene	12.18	104	612256	157.687	ug/l	99
71) Bromoform	12.35	173	107713	163.643	ug/l	97
73) Isopropylbenzene	12.47	105	1011796	161.246	ug/l	99
74) N-amyl acetate	12.27	43	222066	165.139	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	160766	150.627	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	116732m	139.438	ug/l	
77) Bromobenzene	12.75	156	240290	159.427	ug/l	99
78) n-propylbenzene	12.81	91	1215552	160.047	ug/l	99
79) 2-Chlorotoluene	12.90	91	675480	155.661	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	819281	156.465	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	52907	160.993	ug/l	98
82) 4-Chlorotoluene	12.99	91	693176	152.863	ug/l	99
83) tert-Butylbenzene	13.21	119	723435	156.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	837176	156.947	ug/l	99
85) sec-Butylbenzene	13.39	105	1041316	157.370	ug/l	98
86) p-Isopropyltoluene	13.51	119	918685	158.960	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	453141	151.315	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	452691	150.886	ug/l	99
89) n-Butylbenzene	13.83	91	874007	157.659	ug/l	100
90) Hexachloroethane	14.10	117	170304	159.232	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	402826	152.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25577	146.555	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	290993	162.582	ug/l	100
94) Hexachlorobutadiene	15.24	225	163982	162.565	ug/l	99
95) Naphthalene	15.37	128	508937	170.167	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	247914	159.024	ug/l	99

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

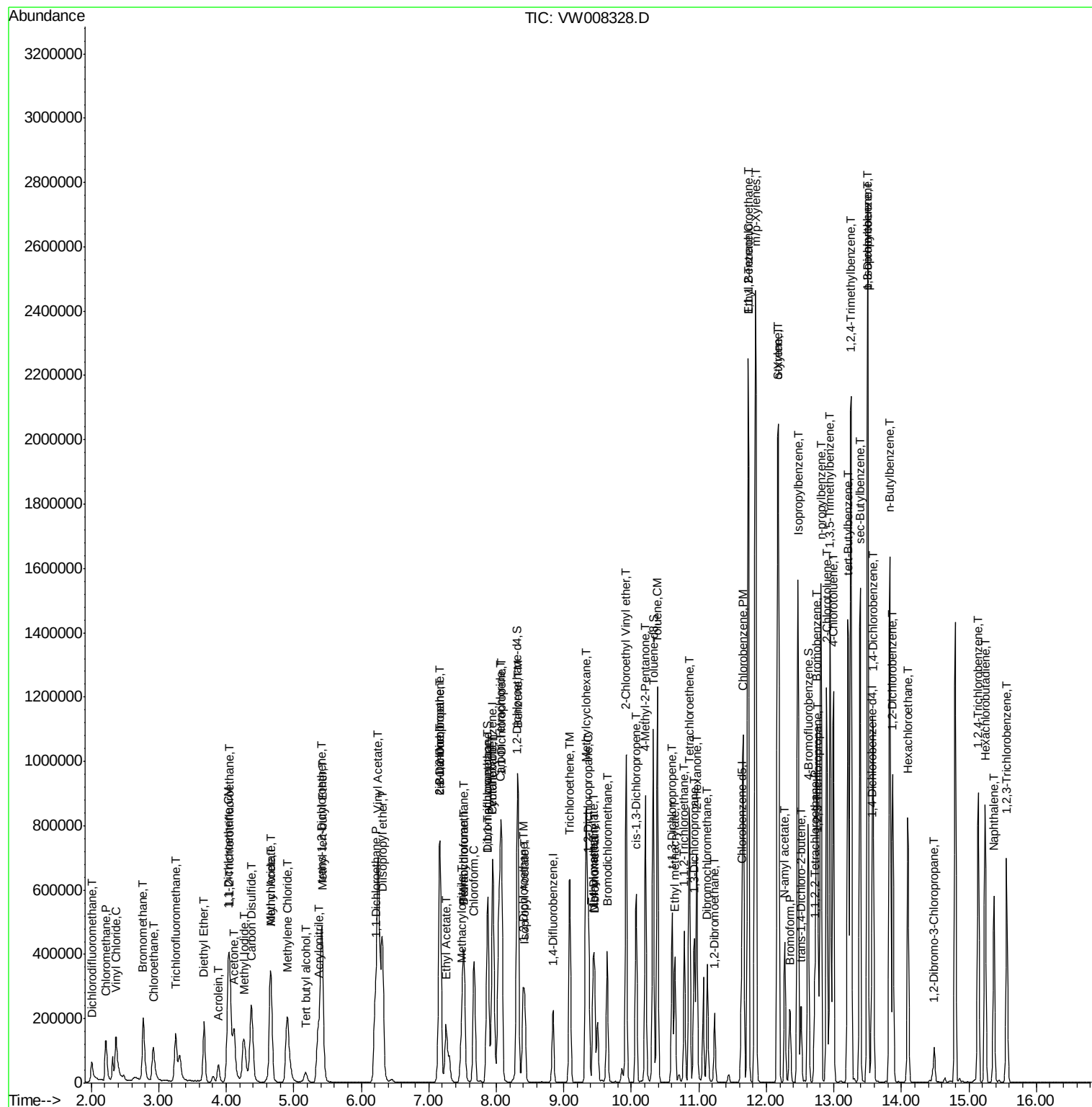
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 Data File : VW008328.D
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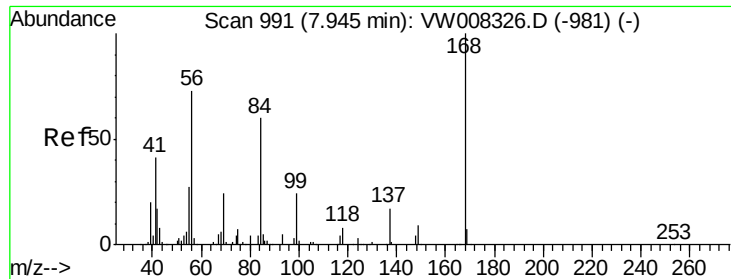
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 120182

Ion Ratio Lower Upper

168 100

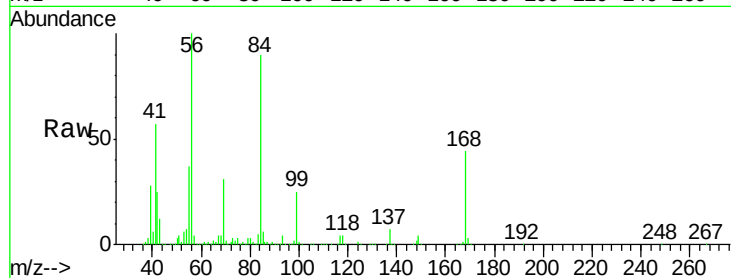
99 55.5 44.6 66.8

Manual Integrations

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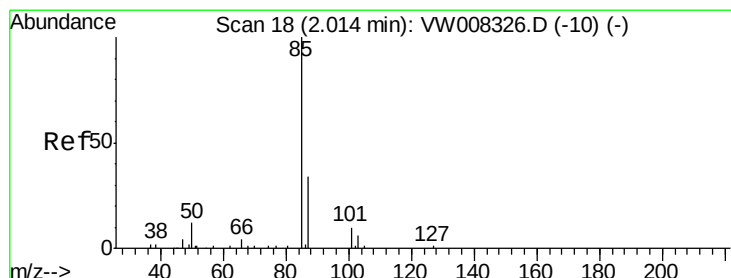
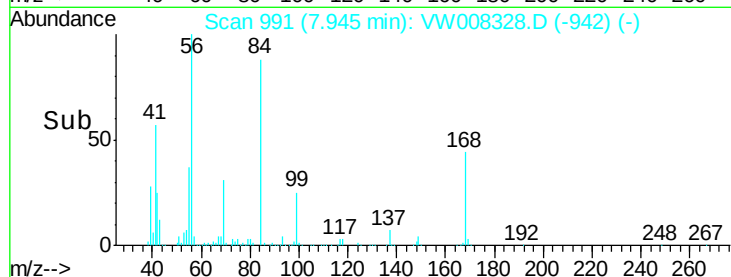
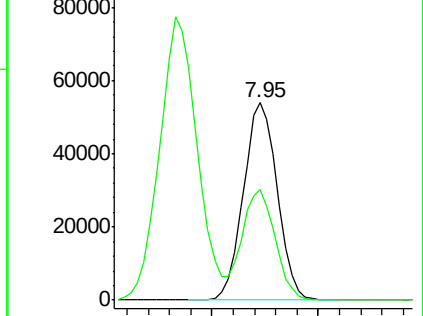
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 158.445 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008328.D

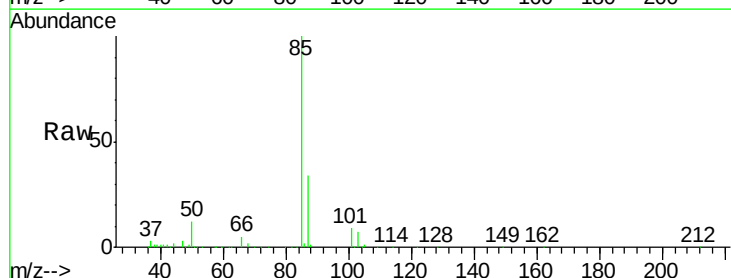
Acq: 17 Jan 2019 14:57

Tgt Ion: 85 Resp: 119985

Ion Ratio Lower Upper

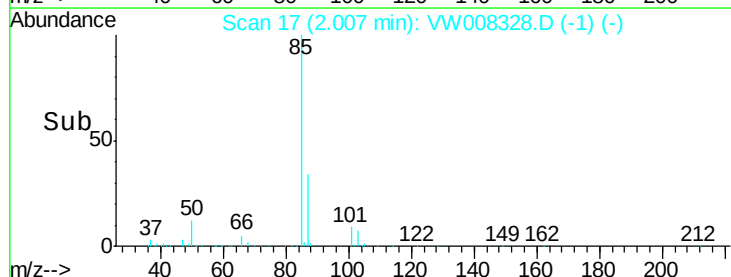
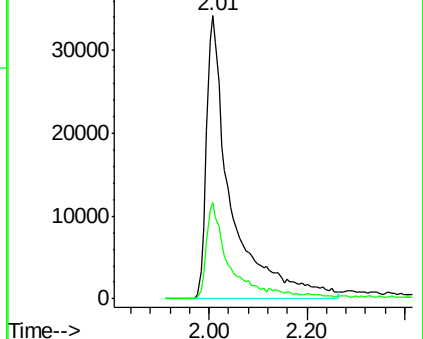
85 100

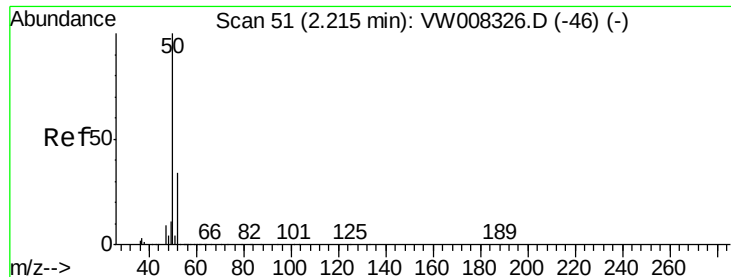
87 34.0 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 152.057 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 168794

Ion Ratio Lower Upper

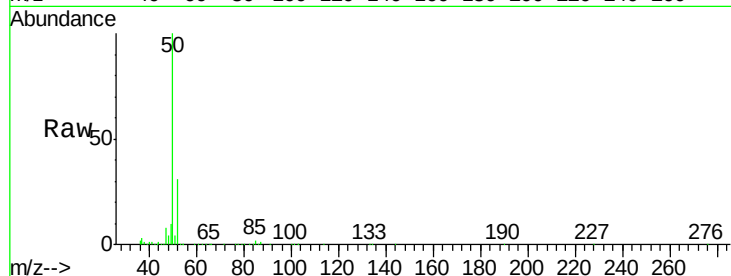
50 100

52 30.7 26.7 40.1

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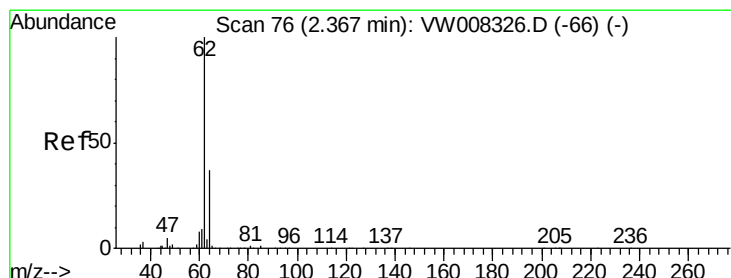
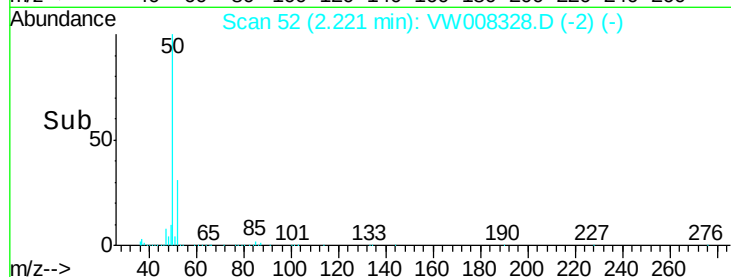
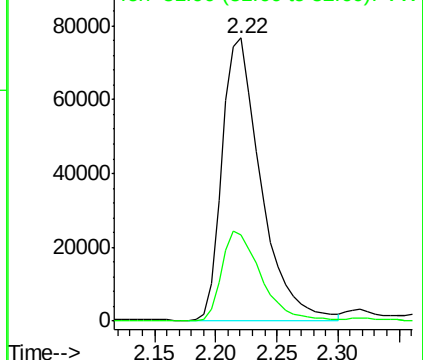
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 143.173 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008328.D

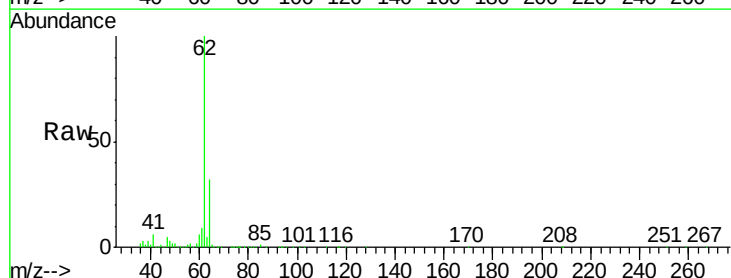
Acq: 17 Jan 2019 14:57

Tgt Ion: 62 Resp: 203070

Ion Ratio Lower Upper

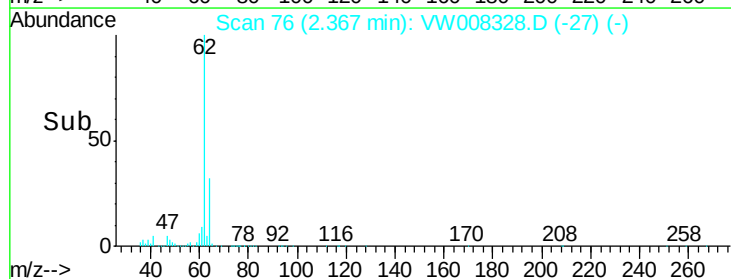
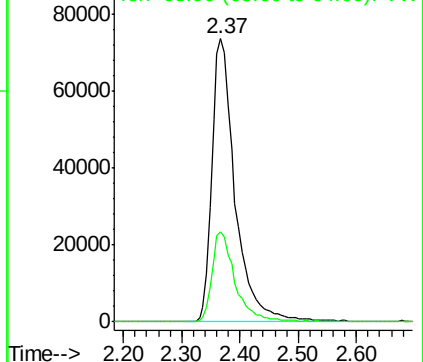
62 100

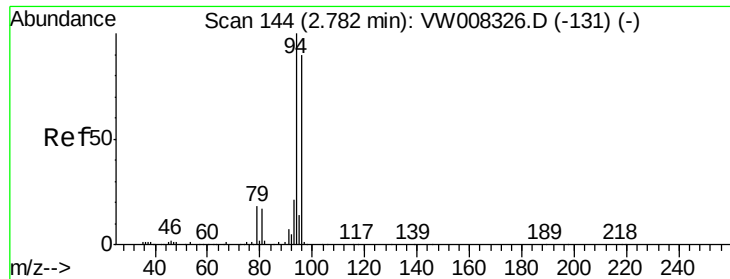
64 31.8 29.4 44.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 164.215 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 176512

Ion Ratio Lower Upper

94 100

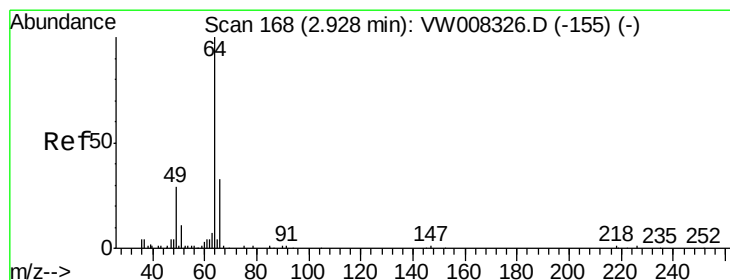
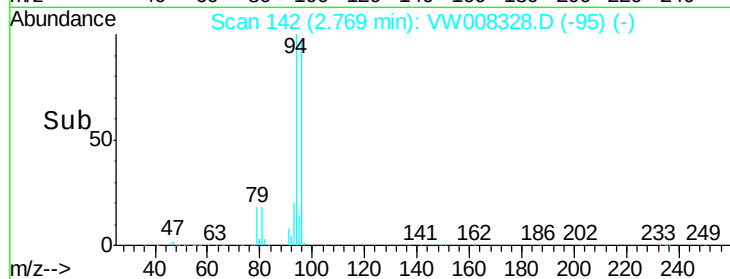
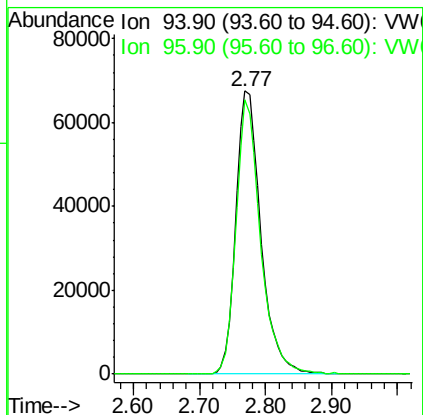
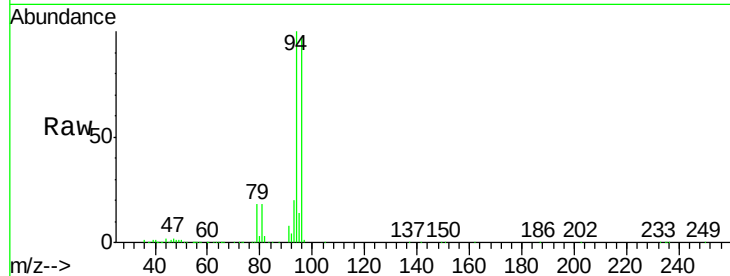
96 96.9 71.4 107.0

Manual Integrations

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#6

Chloroethane

Concen: 161.782 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008328.D

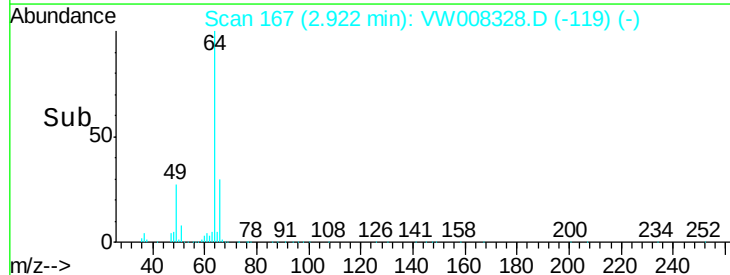
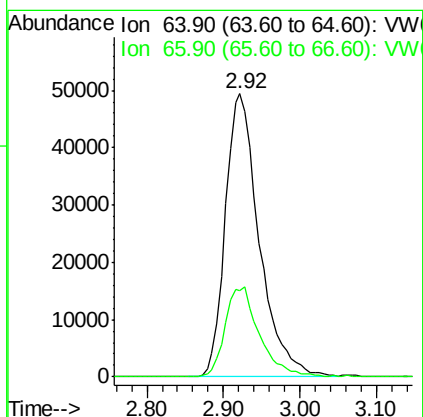
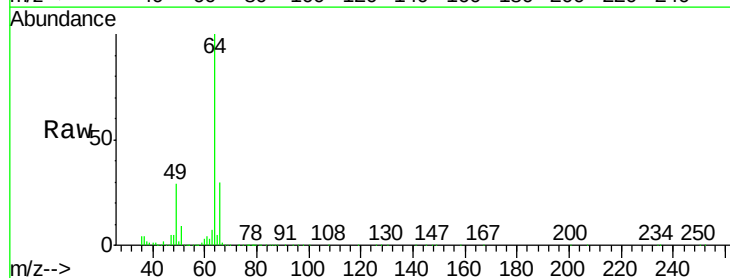
Acq: 17 Jan 2019 14:57

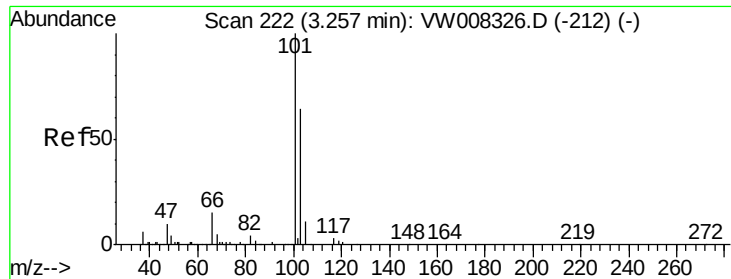
Tgt Ion: 64 Resp: 150194

Ion Ratio Lower Upper

64 100

66 30.2 26.2 39.4





#7

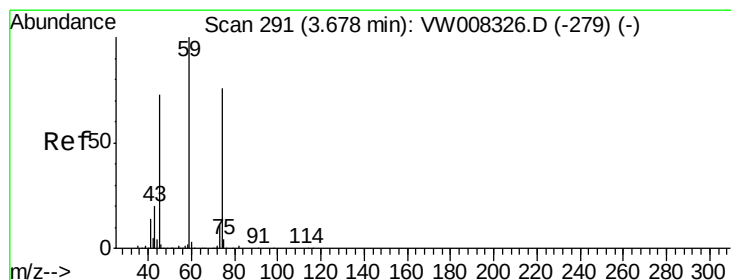
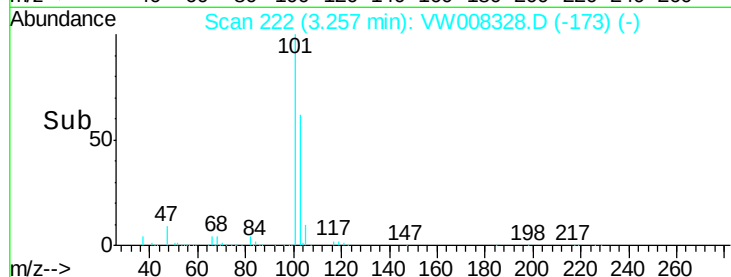
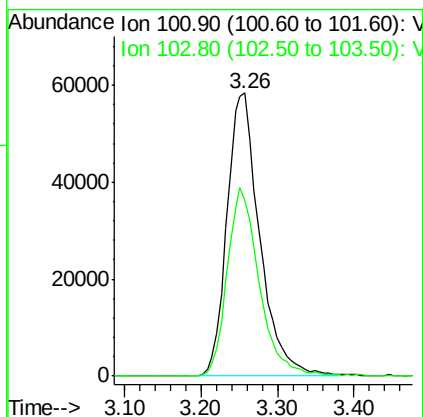
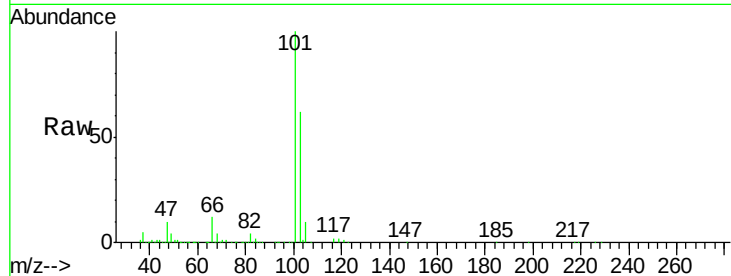
Trichlorofluoromethane
 Concen: 166.263 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.9	76.3

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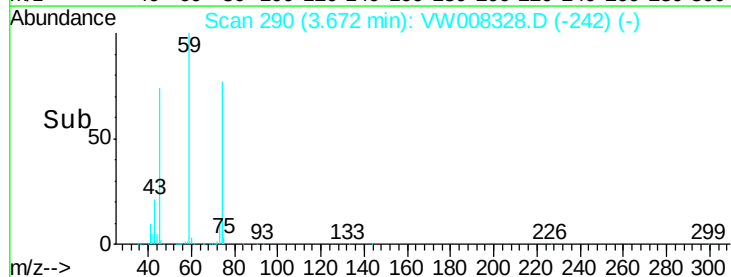
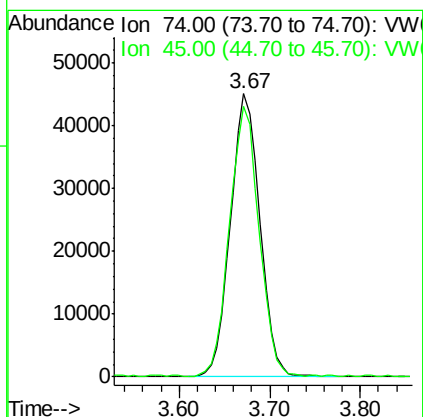
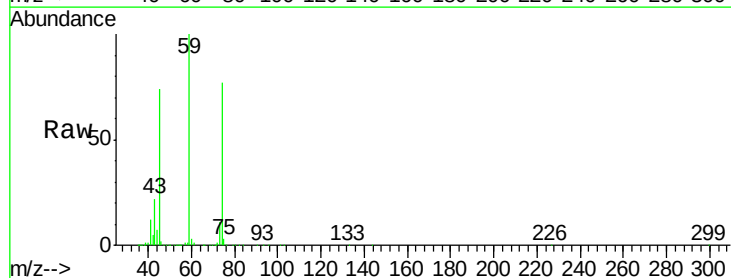
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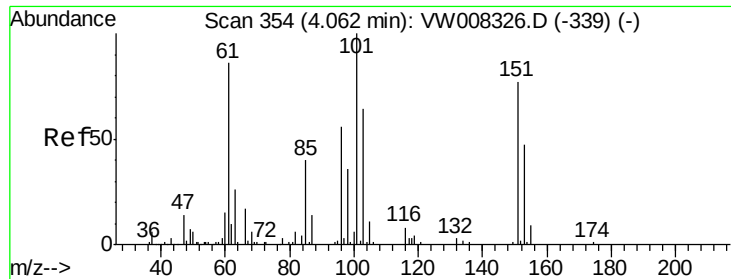


#8

Diethyl Ether
 Concen: 140.650 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.527 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

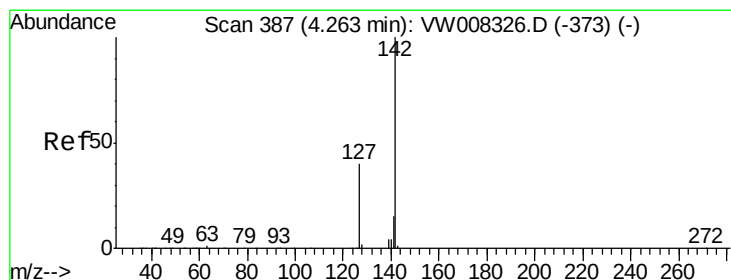
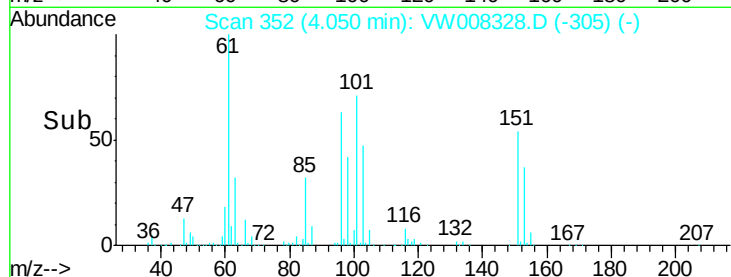
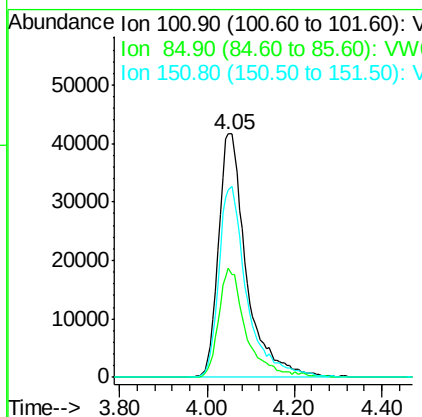
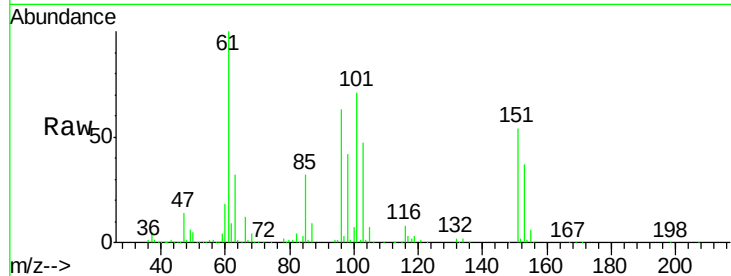
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	183722
Ion Ratio	Lower	Upper	
101	100		
85	42.8	36.0	54.0
151	78.7	62.3	93.5

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#10

Methyl Iodide

Concen: 154.877 ug/l

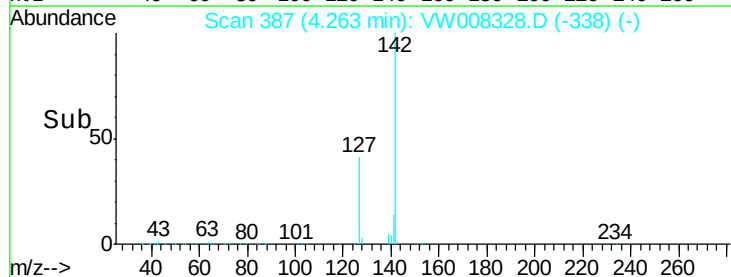
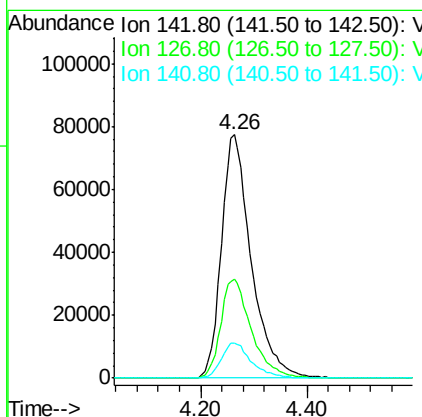
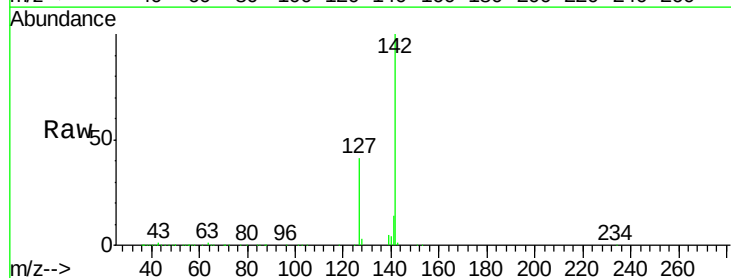
RT: 4.26 min Scan# 387

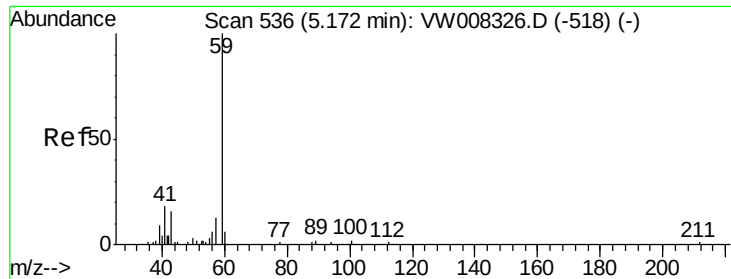
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	142	Resp:	302857
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.3	51.5
141	14.7	12.2	18.2





#11

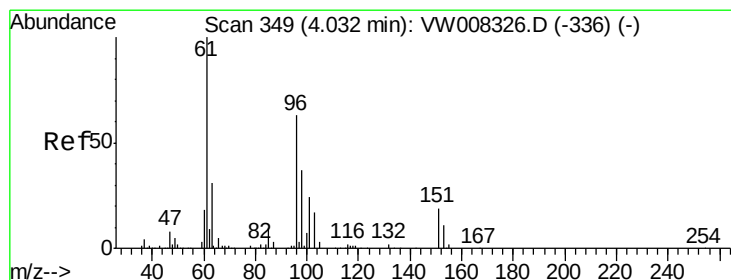
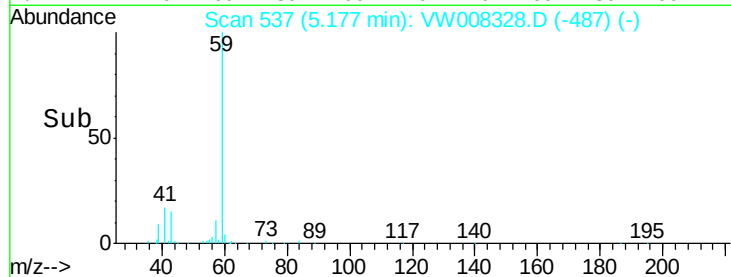
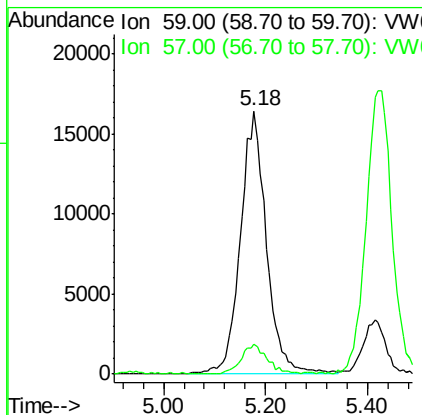
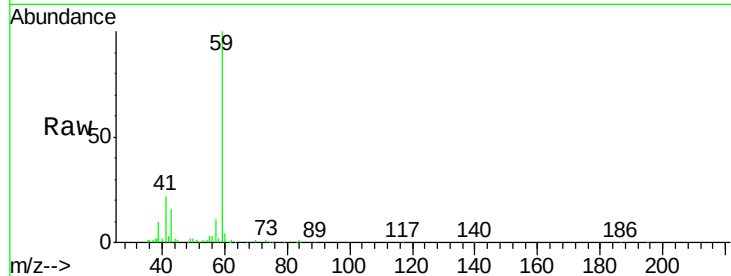
Tert butyl alcohol
Concen: 672.605 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.4	14.2

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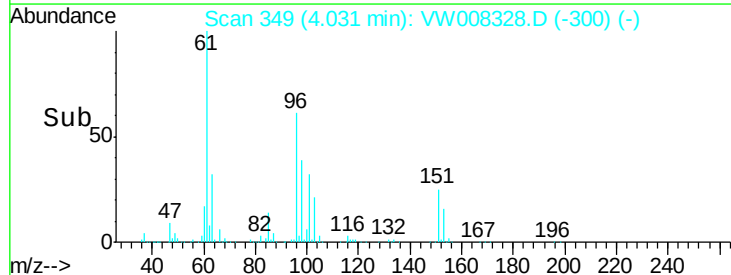
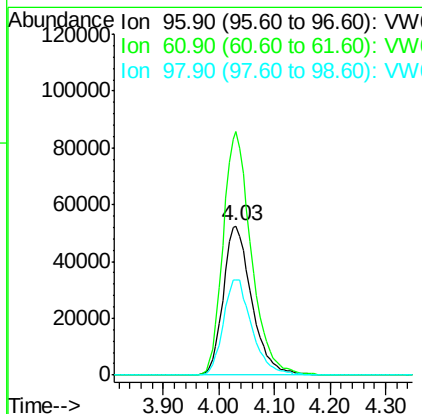
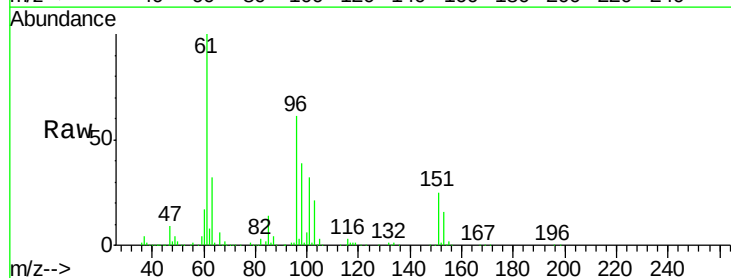
MMDadoda
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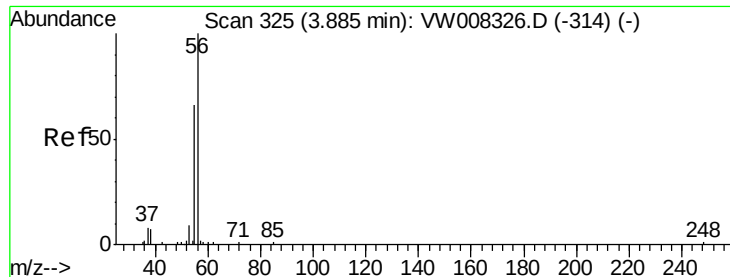


#12

1,1-Dichloroethene
Concen: 150.593 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	126.4	189.6
98	63.7	46.7	70.1





#13

Acrolein

Concen: 865.764 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 64266

Ion Ratio Lower Upper

56 100

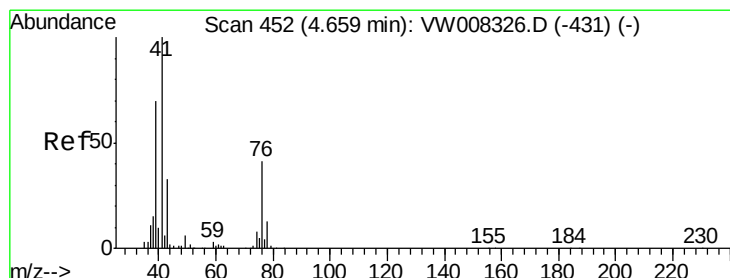
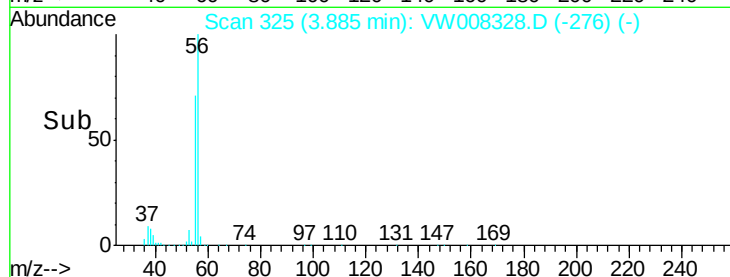
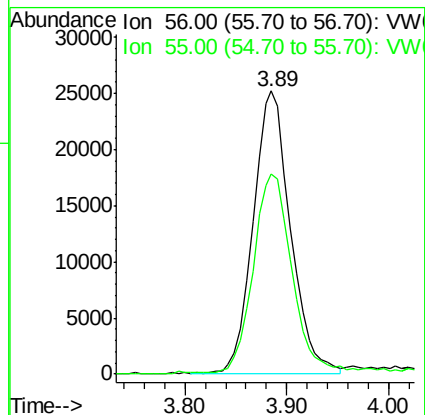
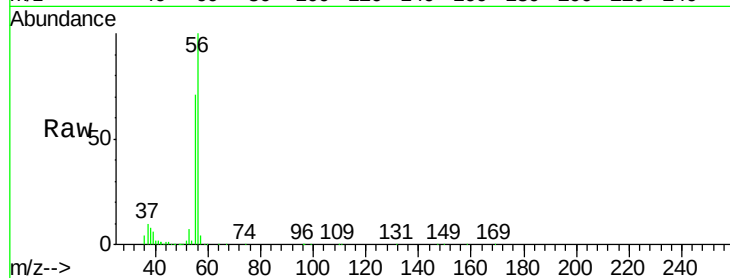
55 73.1 52.9 79.3

Manual Integrations

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#14

Allyl chloride

Concen: 153.067 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

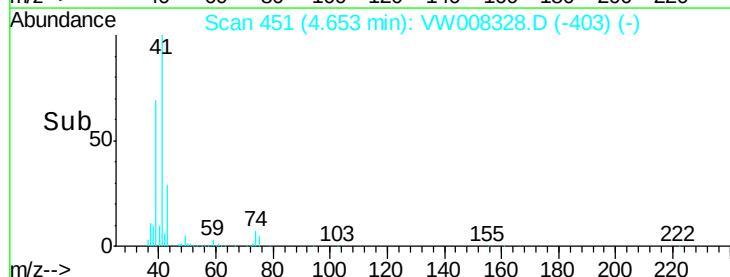
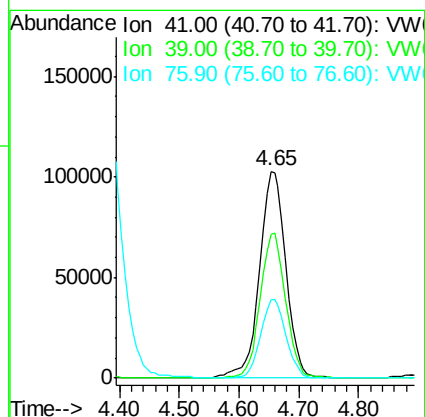
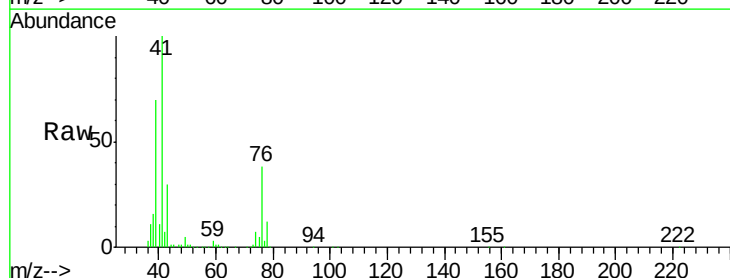
Tgt Ion: 41 Resp: 315556

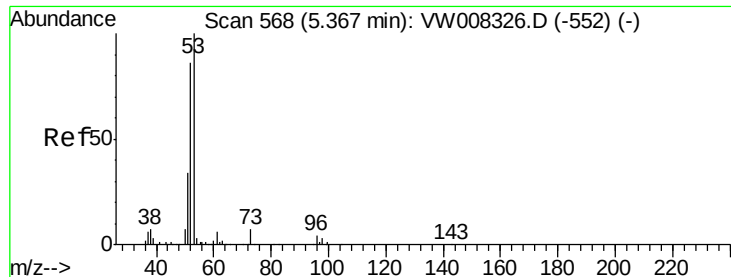
Ion Ratio Lower Upper

41 100

39 67.6 54.1 81.1

76 36.4 29.5 44.3





#15

Acrylonitrile

Concen: 744.391 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

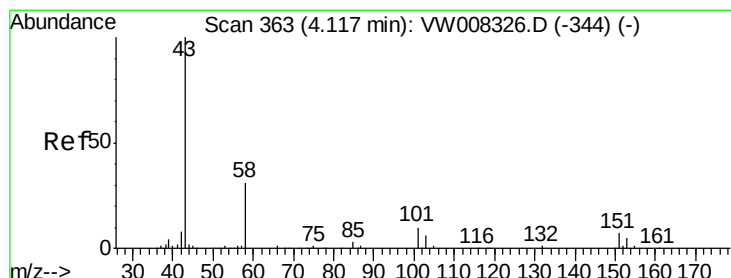
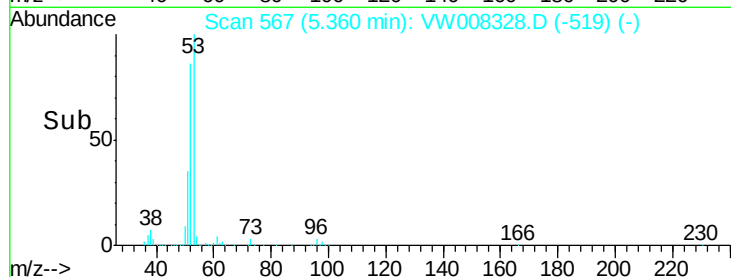
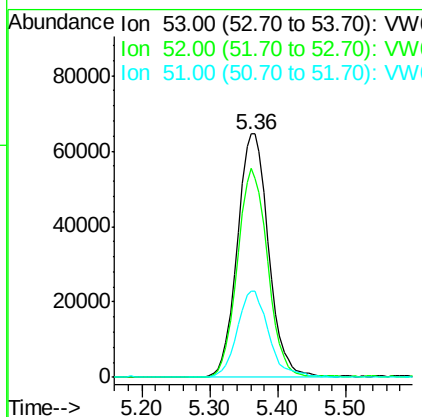
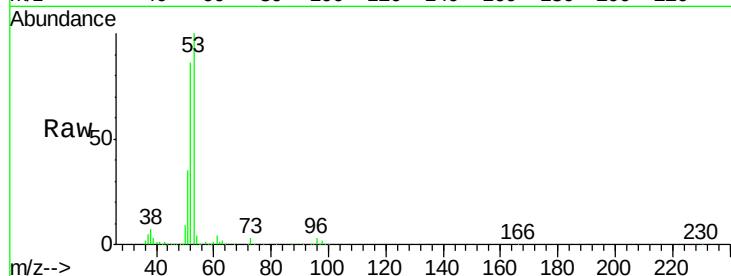
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	206501
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.4	99.6
51	35.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 700.843 ug/l

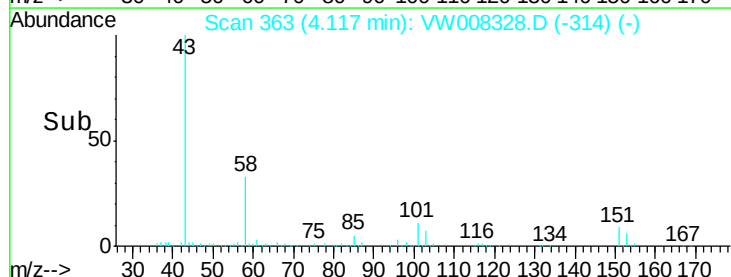
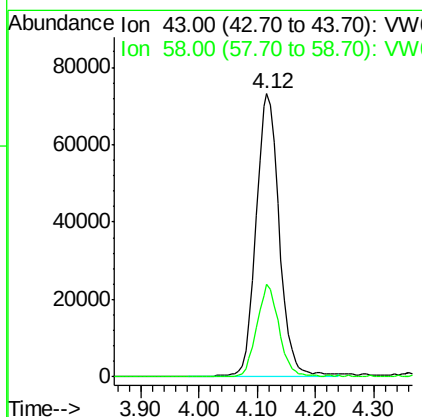
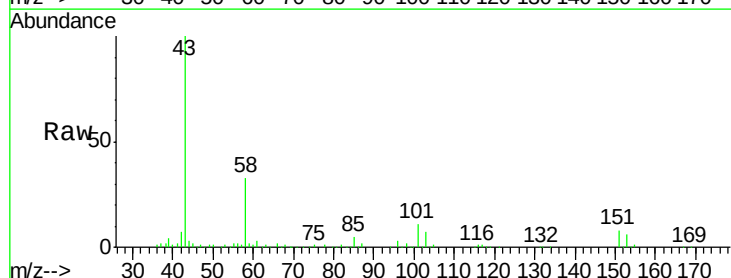
RT: 4.12 min Scan# 363

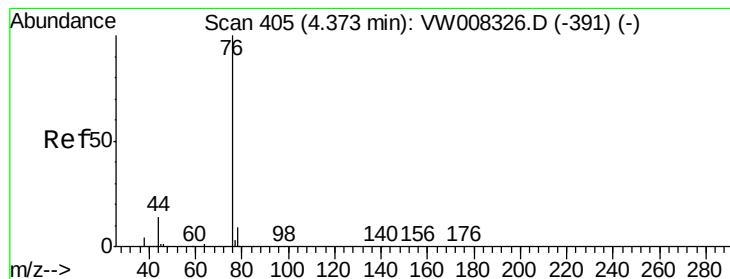
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	43	Resp:	203479
Ion Ratio	Lower	Upper	
43	100		
58	32.7	24.7	37.1





#17

Carbon Disulfide

Concen: 157.639 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 591519

Ion Ratio Lower Upper

76 100

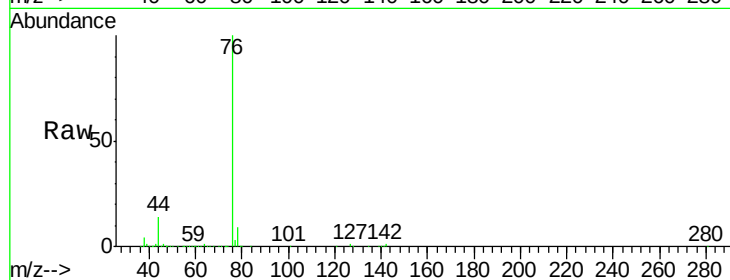
78 9.4 7.0 10.4

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

4.37

200000

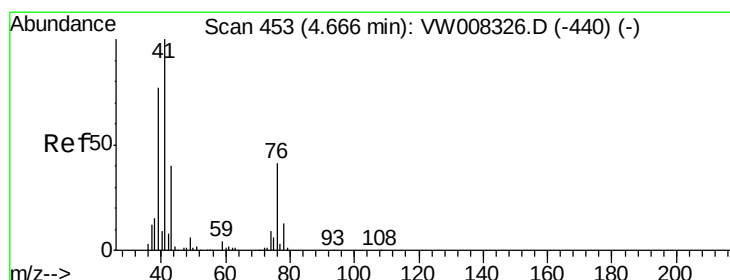
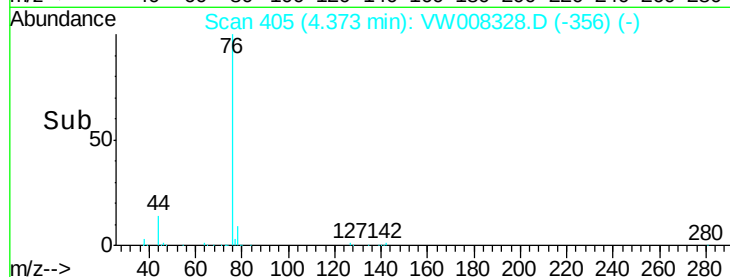
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 136.070 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008328.D

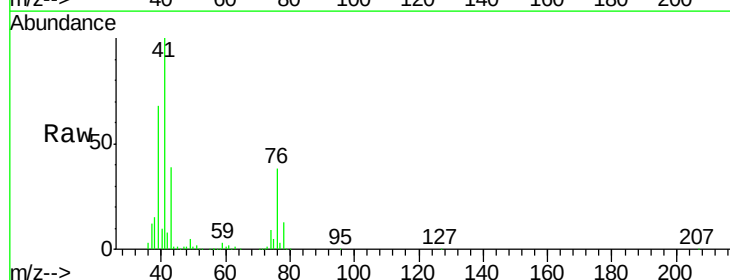
Acq: 17 Jan 2019 14:57

Tgt Ion: 43 Resp: 105530

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

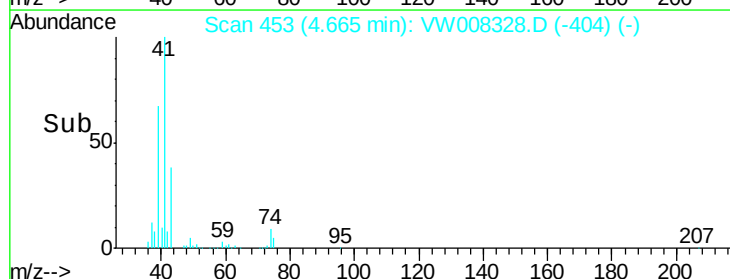
30000

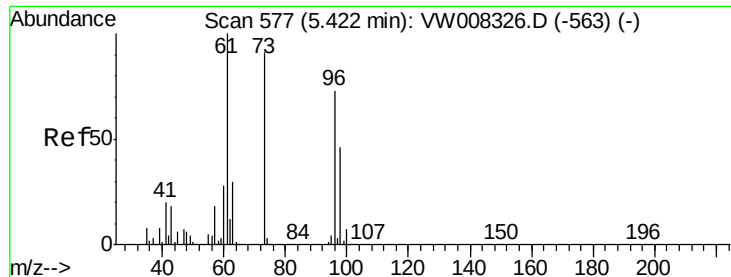
20000

10000

0

Time-->





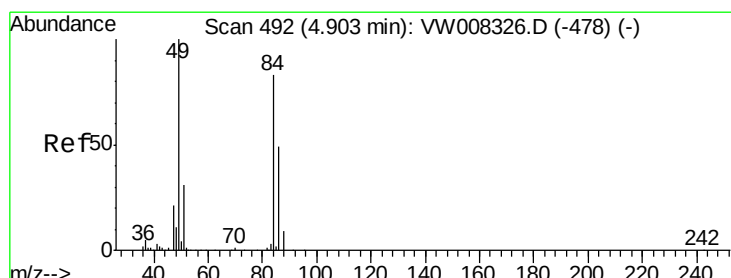
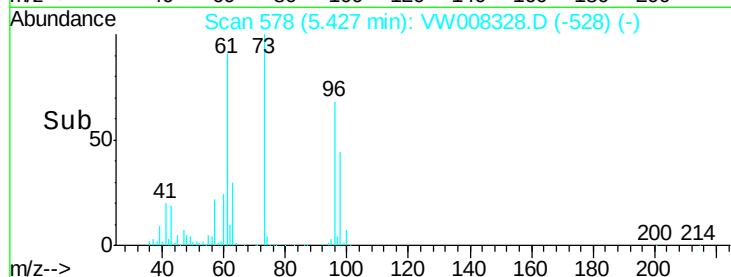
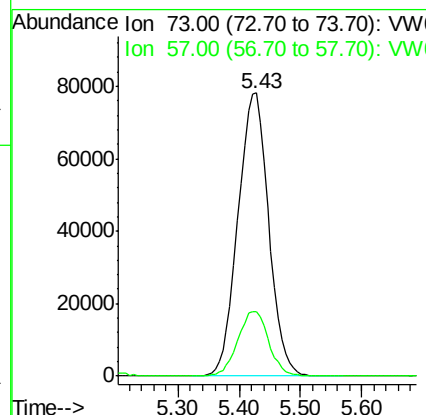
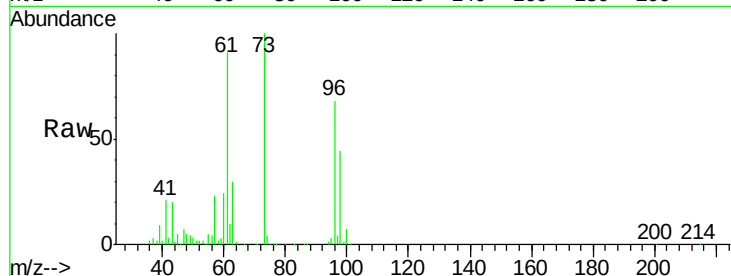
#19
Methyl tert-butyl Ether
Concen: 143.827 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	16.3	24.5

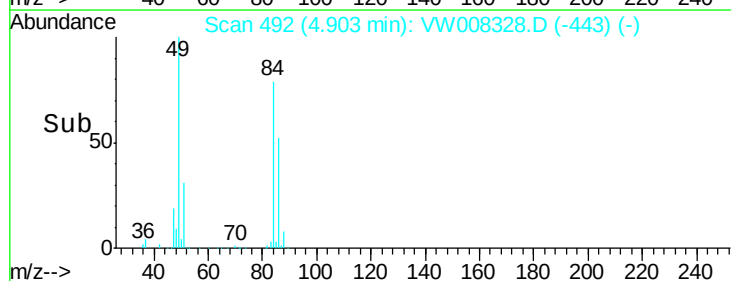
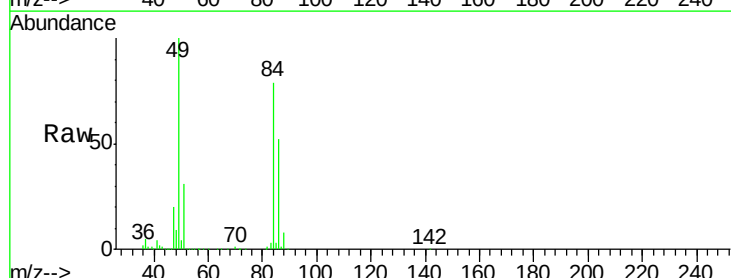
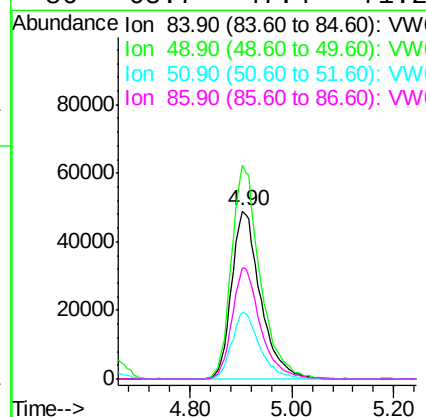
Manual Integrations
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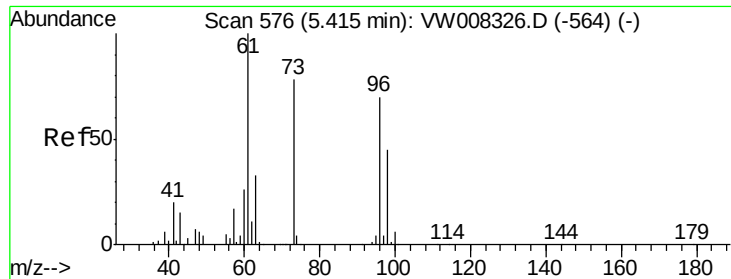
MMDadoda
1/18/2019 2:09:49 PM



#20
Methylene Chloride
Concen: 124.986 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.9	95.9	143.9
51	39.3	29.3	43.9
86	65.7	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 152.322 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 210969

Ion Ratio Lower Upper

96 100

61 134.2 114.5 171.7

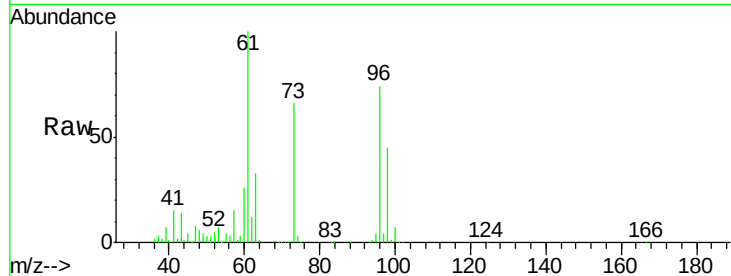
98 60.7 52.0 78.0

Manual Integrations

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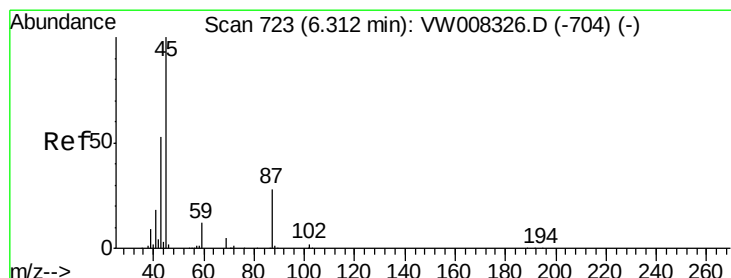
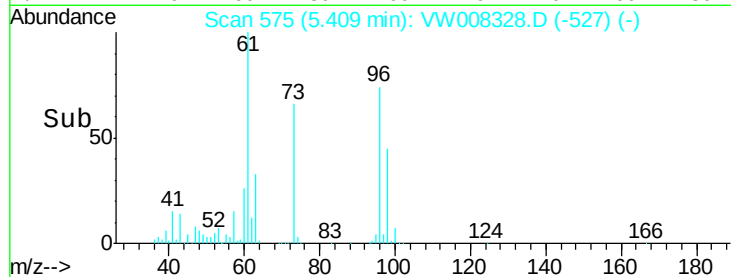
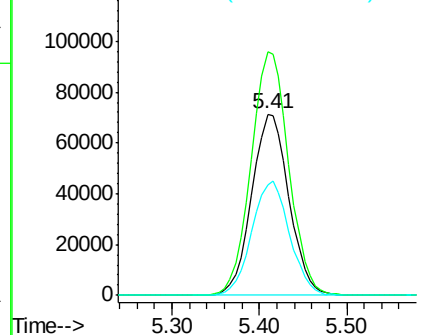


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 147.818 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion: 45 Resp: 594947

Ion Ratio Lower Upper

45 100

43 50.9 42.5 63.7

87 27.0 22.2 33.2

59 10.9 9.7 14.5

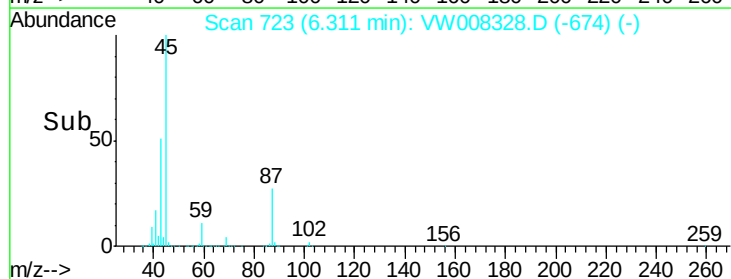
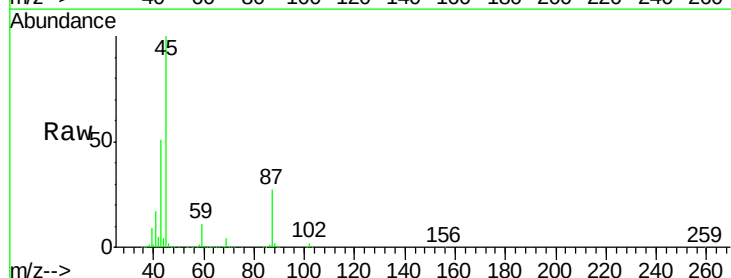
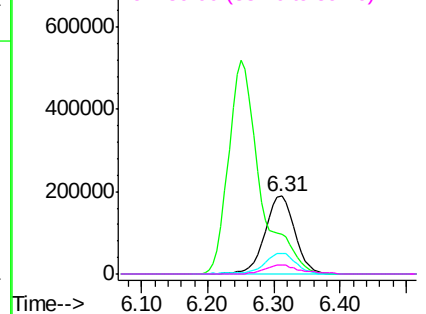
Abundance

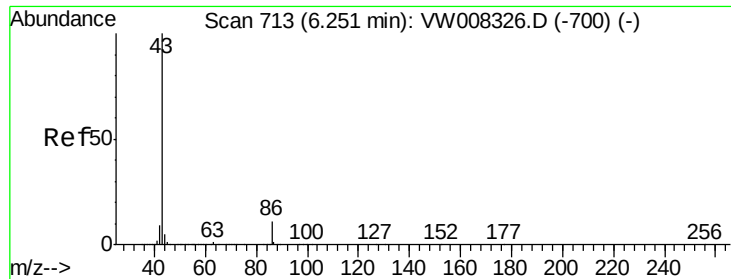
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





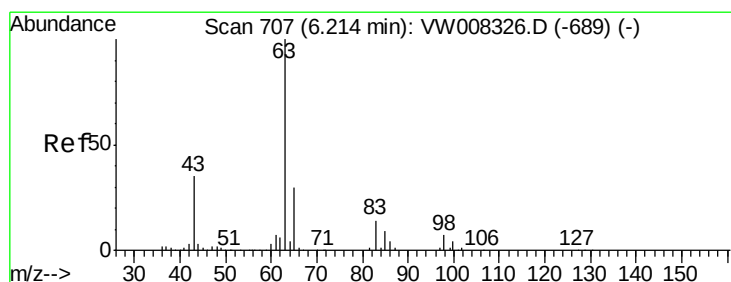
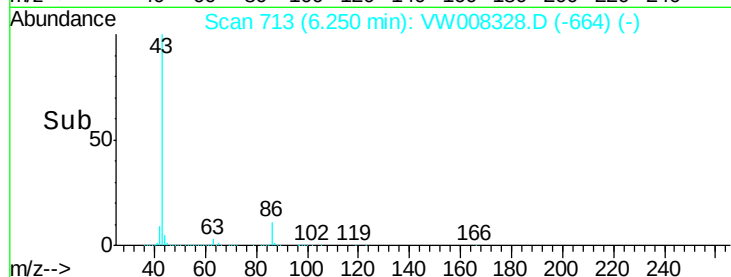
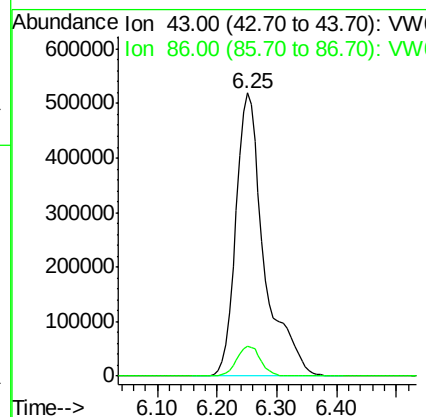
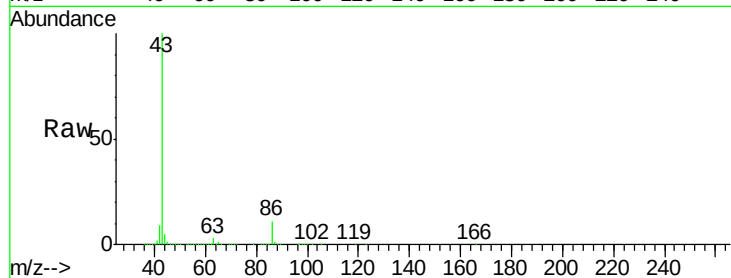
#23
 Vinyl Acetate
 Concen: 796.164 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1712912
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0

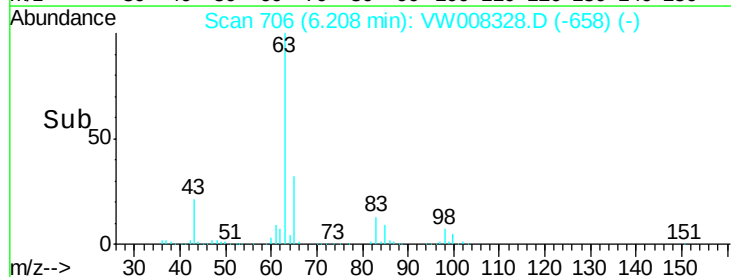
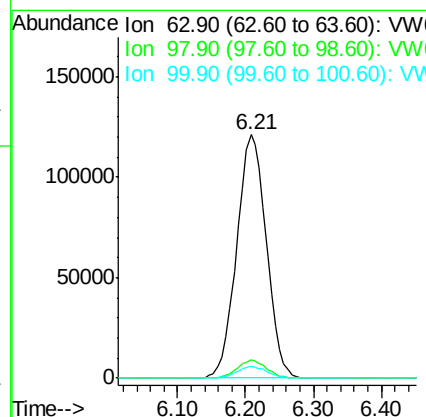
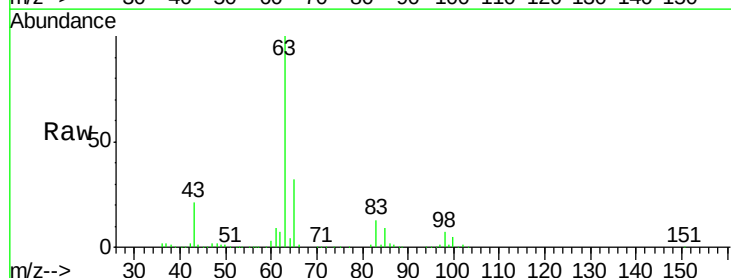
Manual Integrations
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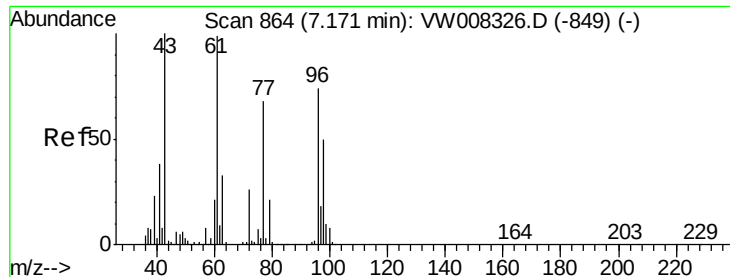
MMDadoda
 1/18/2019 2:09:49 PM



#24
 1,1-Dichloroethane
 Concen: 149.243 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 63 Resp: 365741
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.6
 100 4.8 2.1 6.3





#25

2-Butanone

Concen: 745.564 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 277247

Ion Ratio Lower Upper

43 100

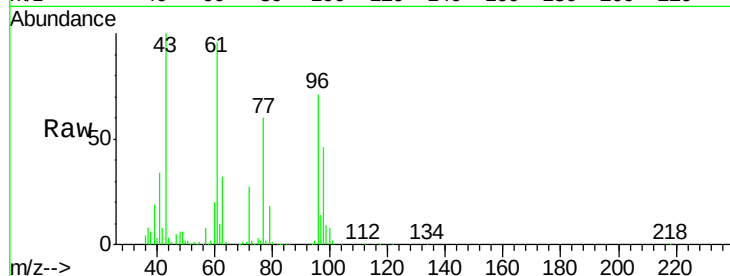
72 26.7 21.2 31.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

120000

100000

80000

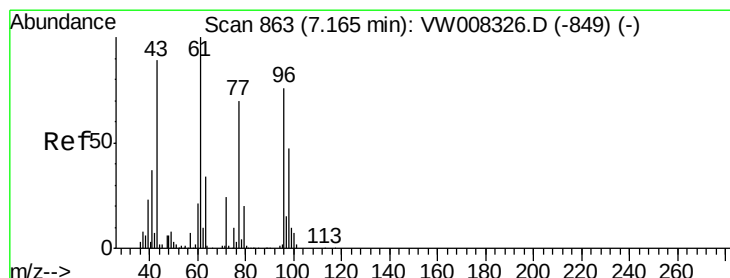
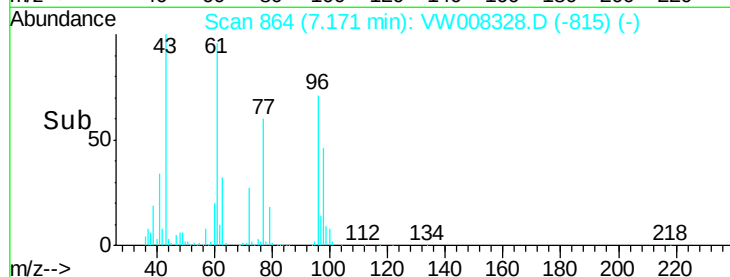
60000

40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 135.208 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008328.D

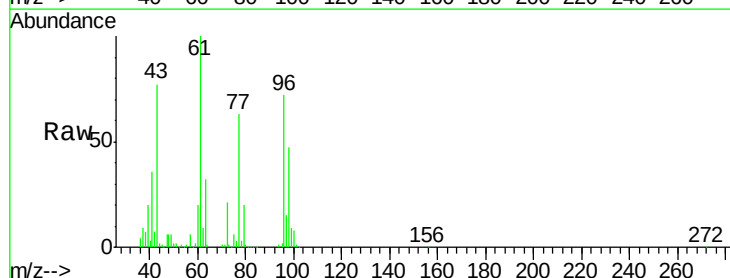
Acq: 17 Jan 2019 14:57

Tgt Ion: 77 Resp: 211453

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

80000

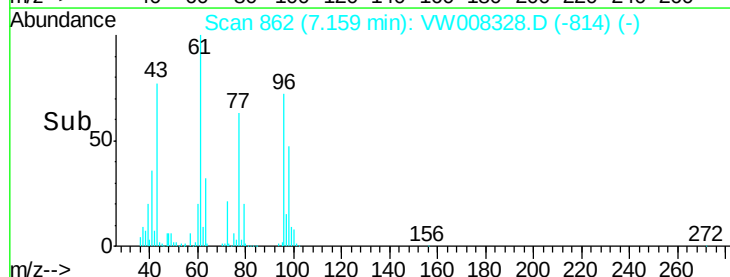
60000

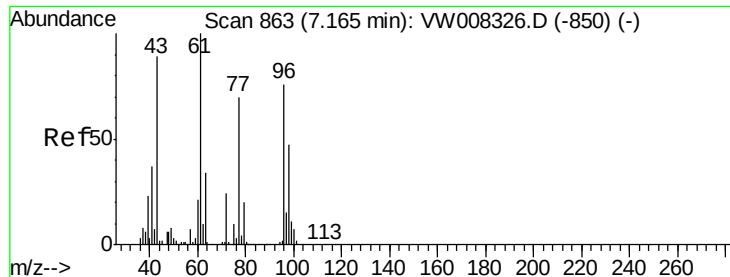
40000

20000

0

Time--> 7.00 7.10 7.20 7.30





#27

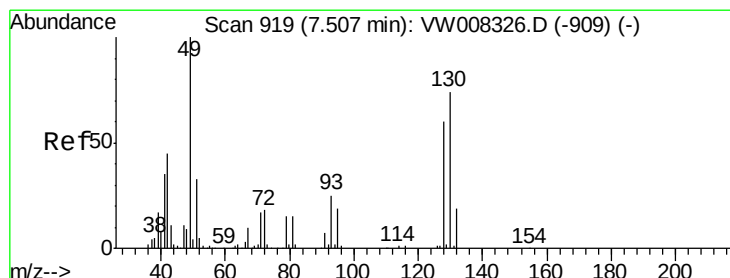
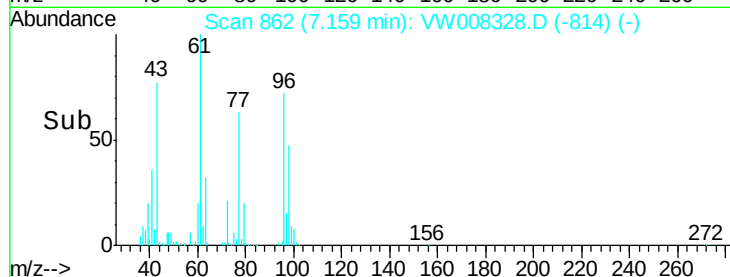
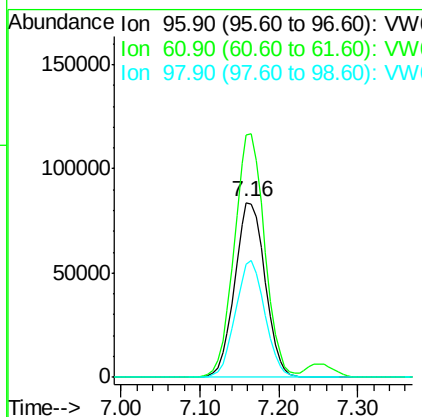
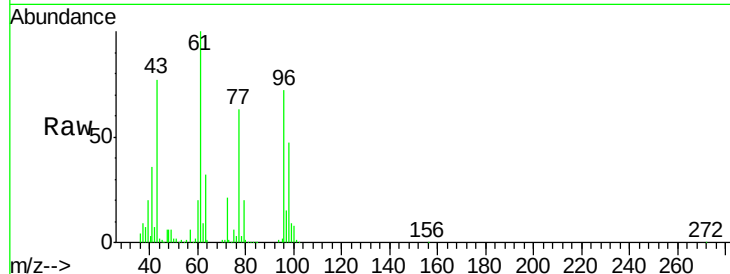
cis-1,2-Dichloroethene
Concen: 150.338 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	225597		
61	138.5	0.0	272.2	
98	64.6	0.0	129.4	

Manual Integrations
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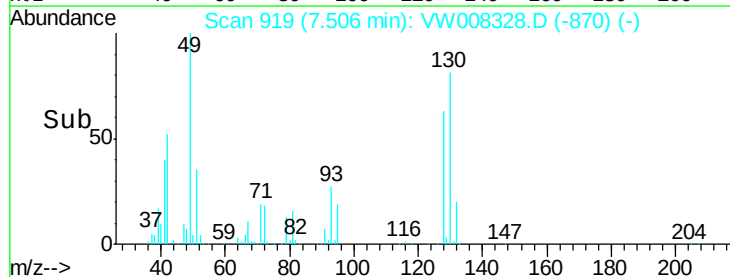
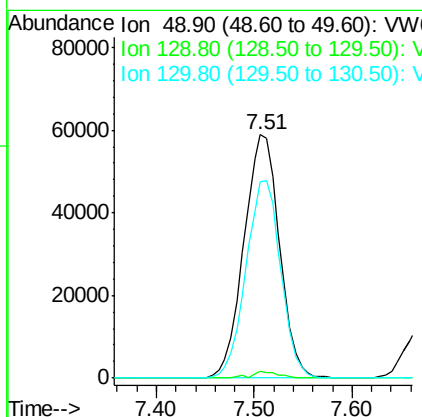
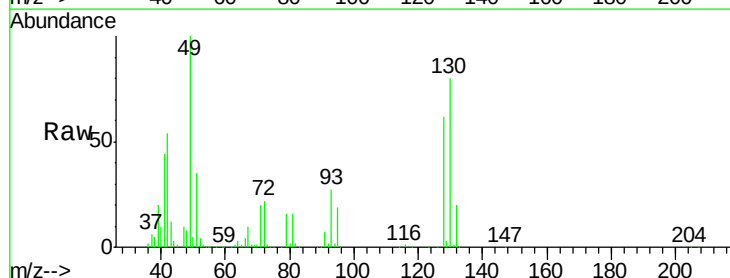
MMDadoda
1/18/2019 2:09:49 PM

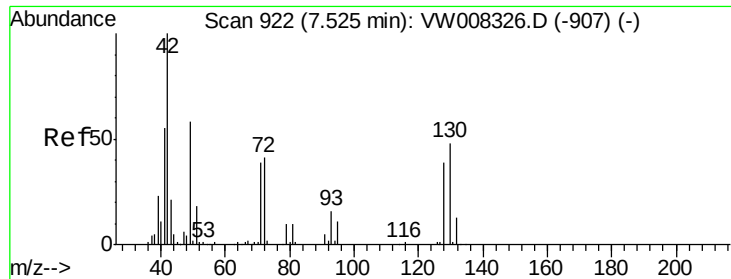


#28

Bromochloromethane
Concen: 147.568 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148992		
129	2.2	0.0	2.6	
130	79.4	0.0	0.0#	





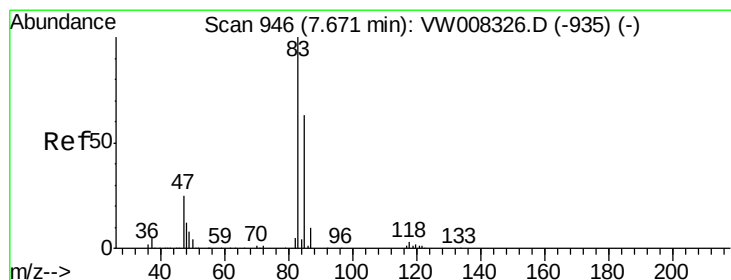
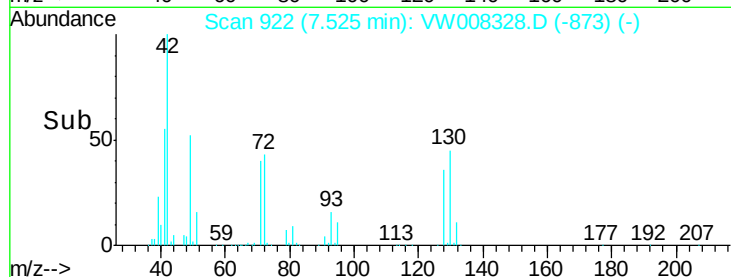
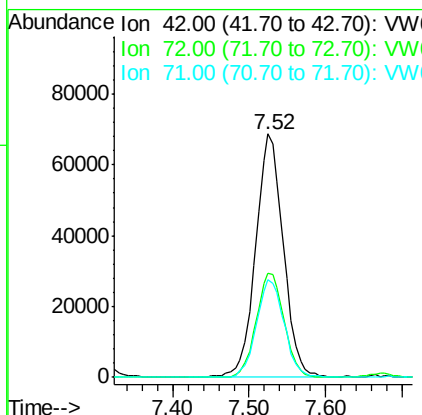
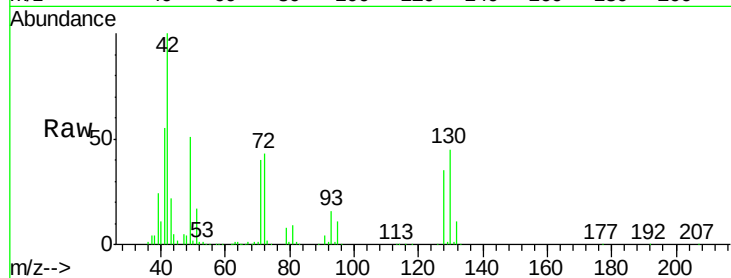
#29
Tetrahydrofuran
Concen: 745.059 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.0	51.0
71	40.3	32.0	48.0

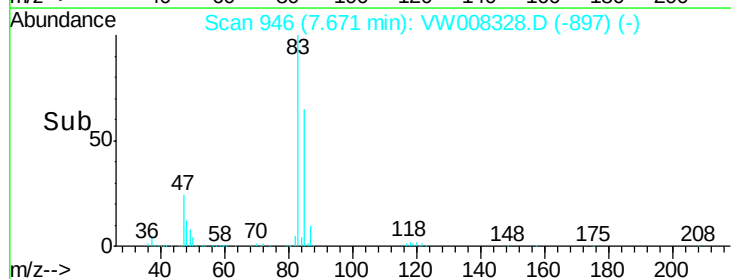
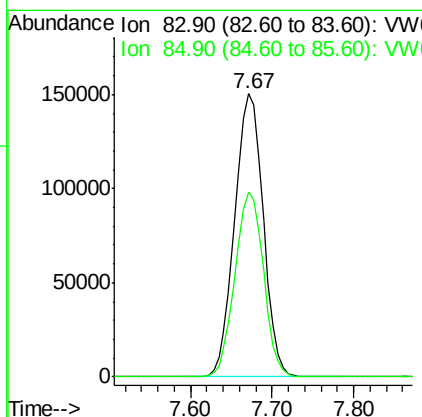
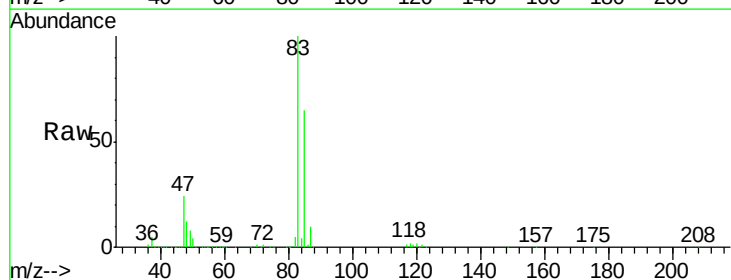
Manual Integrations
APPROVED

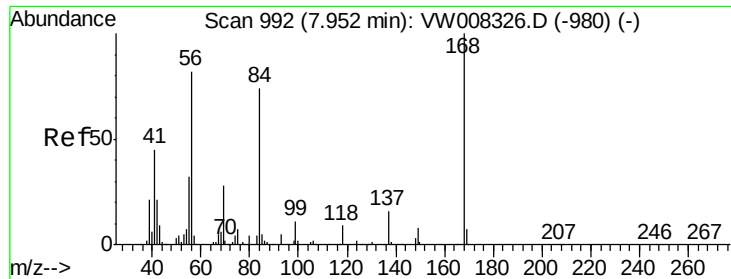
MMDadoda
1/18/2019 2:09:49 PM



#30
Chloroform
Concen: 150.156 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.2	75.2





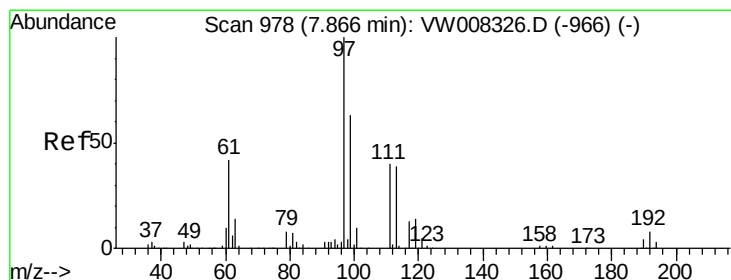
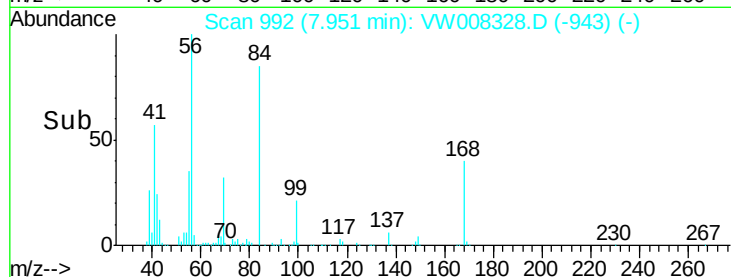
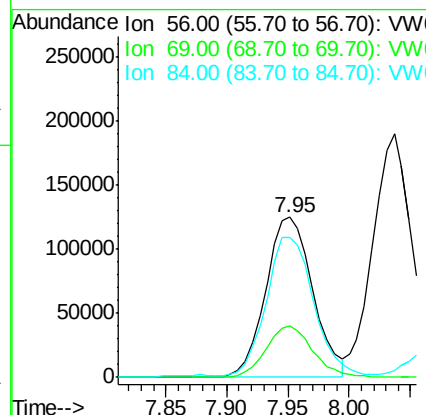
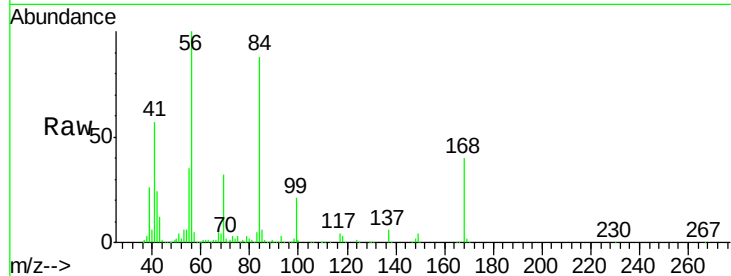
#31
Cyclohexane
Concen: 143.142 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	27.0	40.6
84	86.4	72.5	108.7

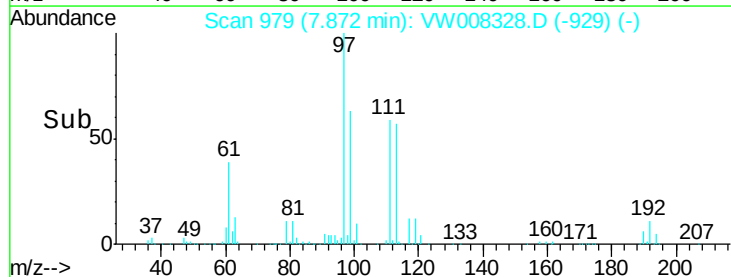
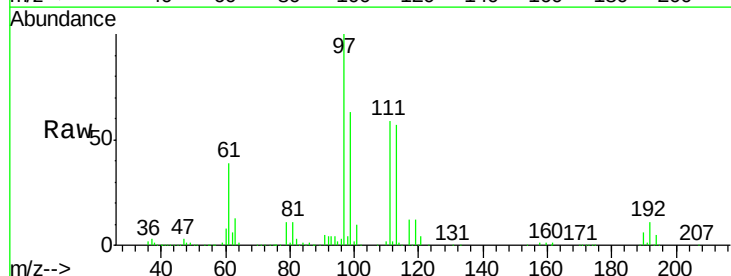
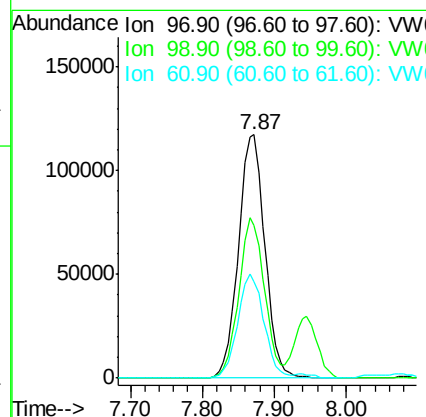
Manual Integrations
APPROVED

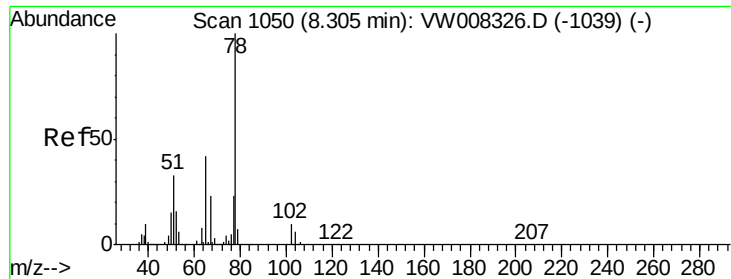
MMDadoda
1/18/2019 2:09:49 PM



#32
1,1,1-Trichloroethane
Concen: 146.491 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	42.3	34.0	51.0





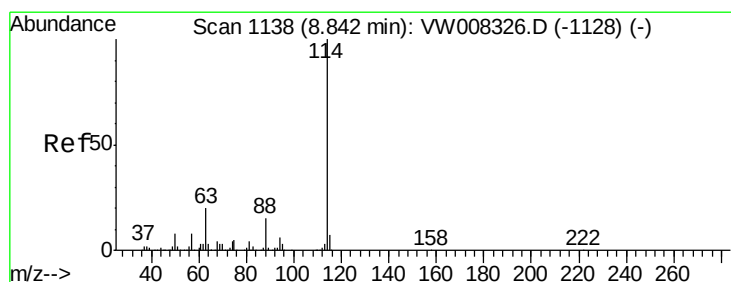
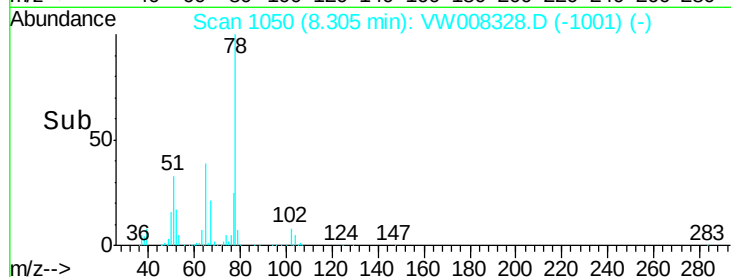
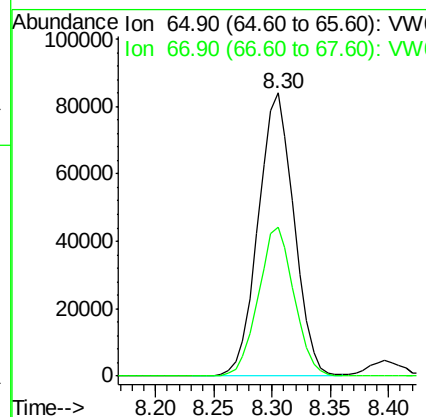
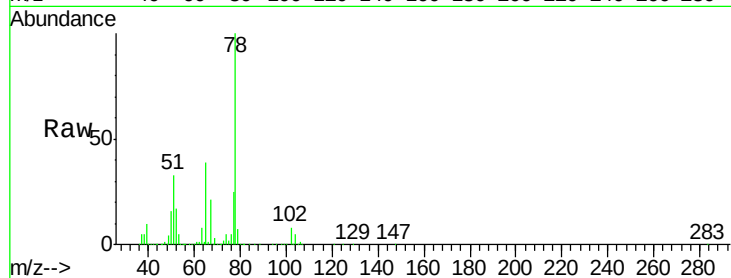
#33
 1,2-Dichloroethane-d4
 Concen: 143.175 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178993		
67	52.5	0.0	106.2	

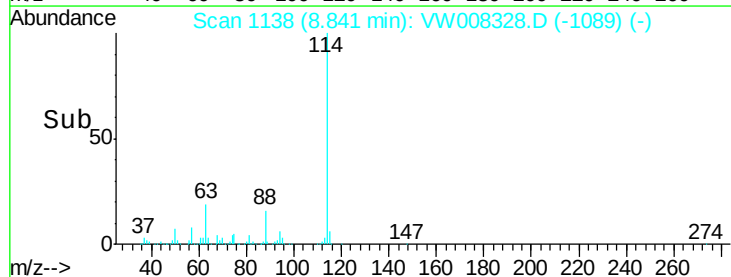
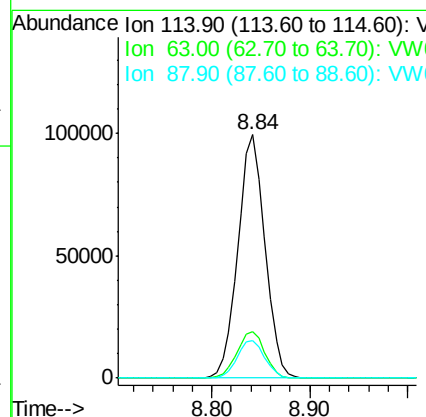
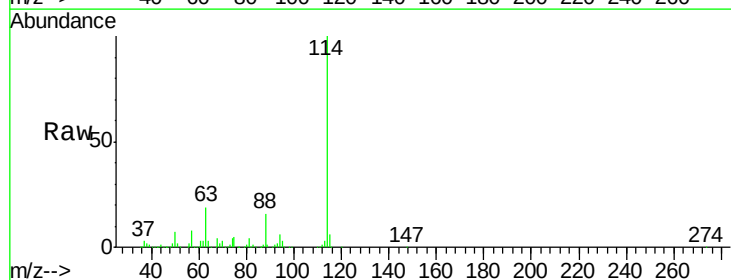
Manual Integrations
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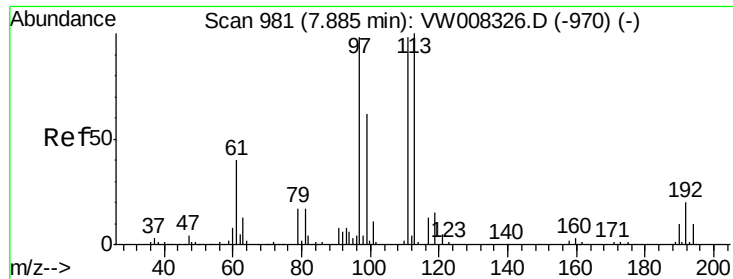
MMDadoda
 1/18/2019 2:09:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	190708		
63	18.9	0.0	40.8	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 149.656 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

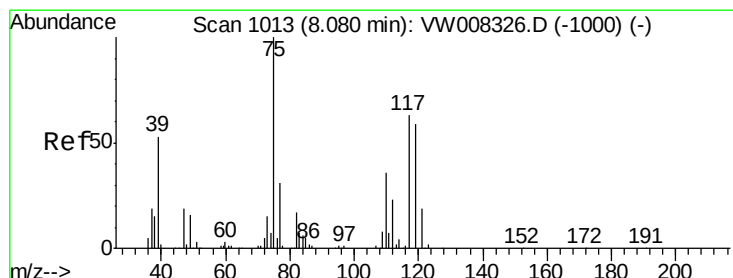
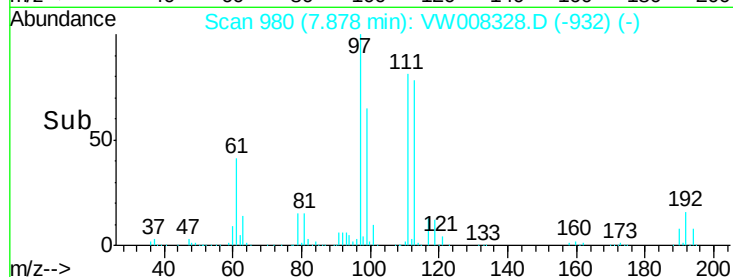
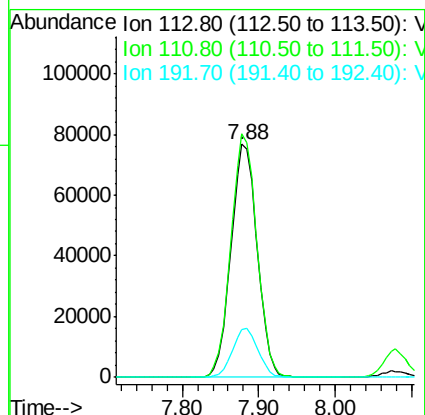
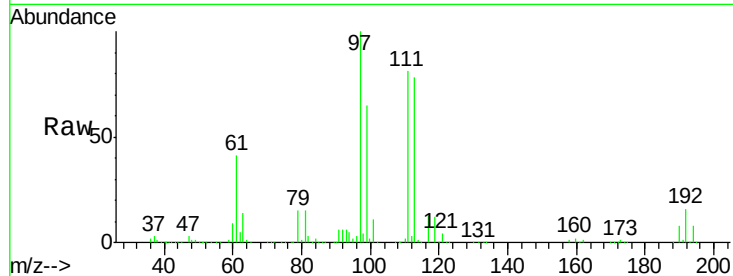
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	182184
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.8	122.8
192	20.7	16.3	24.5

Manual Integrations
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1/18/2019 2:09:49 PM



#36

1,1-Dichloropropene

Concen: 154.209 ug/l

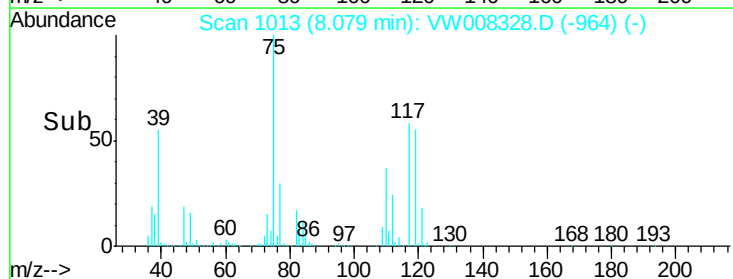
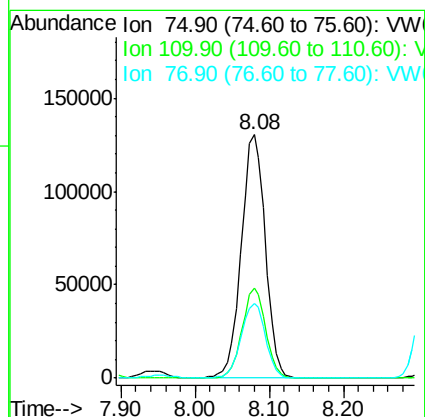
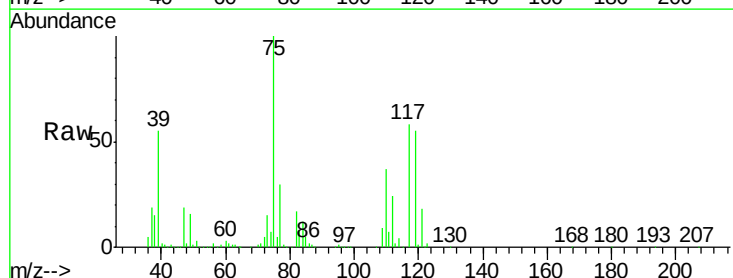
RT: 8.08 min Scan# 1013

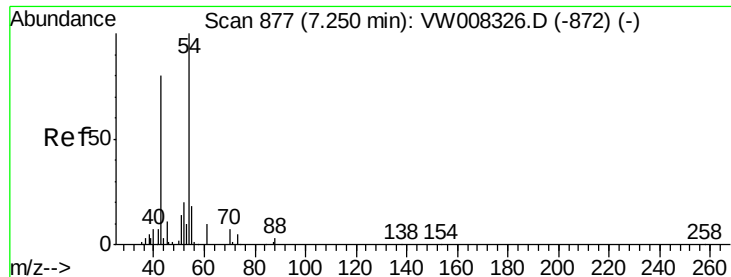
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	75	Resp:	295879
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.5	52.6
77	31.1	25.0	37.6





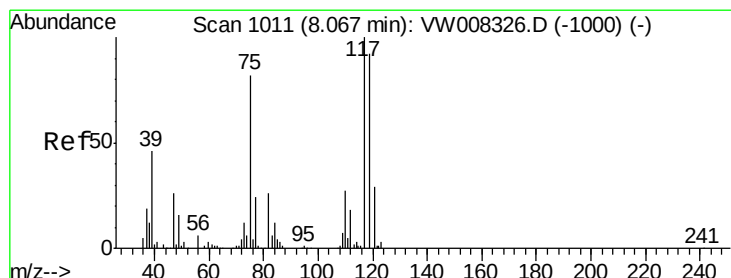
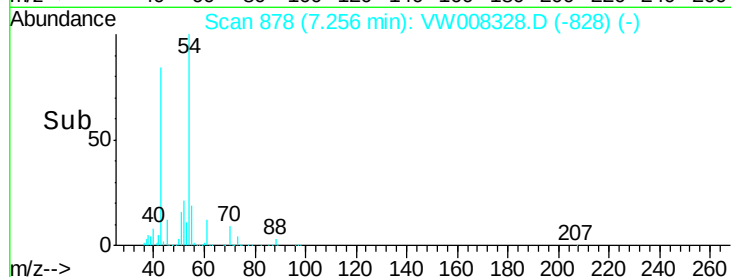
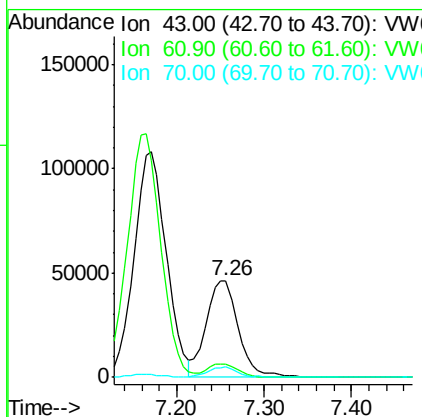
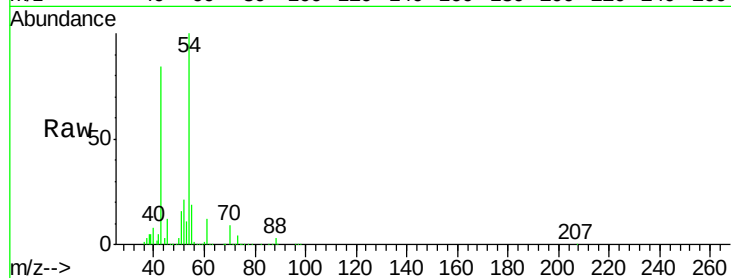
#37
Ethyl Acetate
Concen: 149.825 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.7	11.5	17.3	
70	10.4	8.8	13.2	

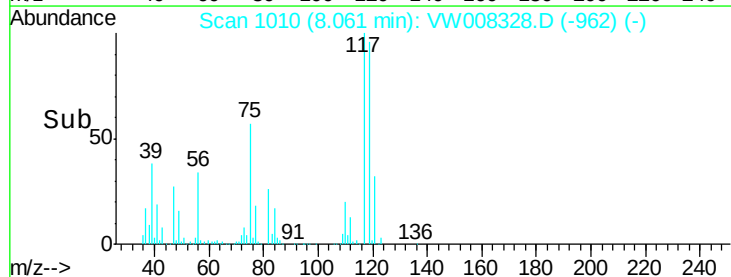
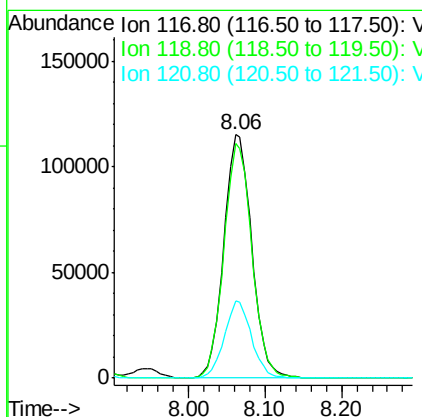
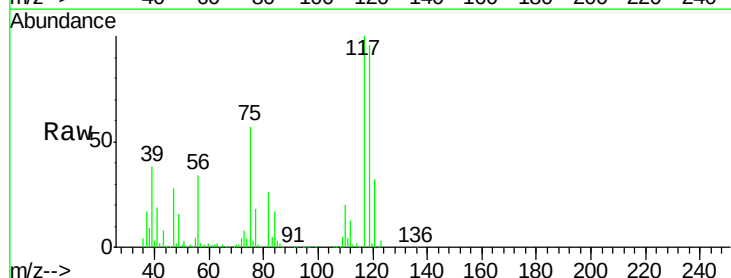
Manual Integrations
APPROVED

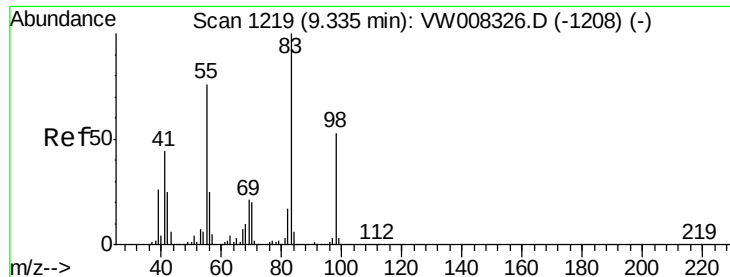
MMDadoda
1/18/2019 2:09:49 PM



#38
Carbon Tetrachloride
Concen: 153.375 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.5	73.8	110.6	
121	31.6	23.4	35.0	





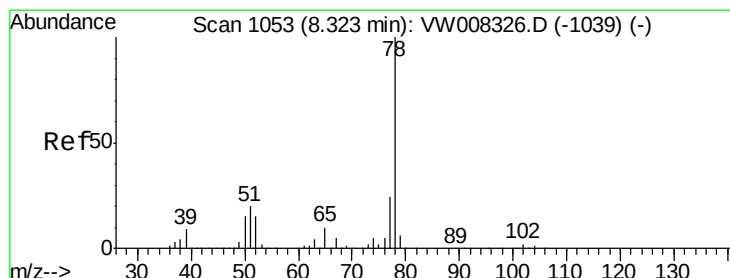
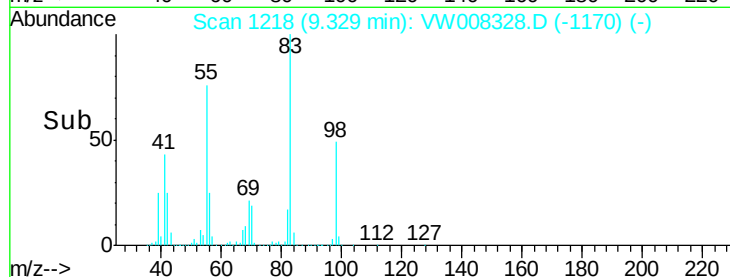
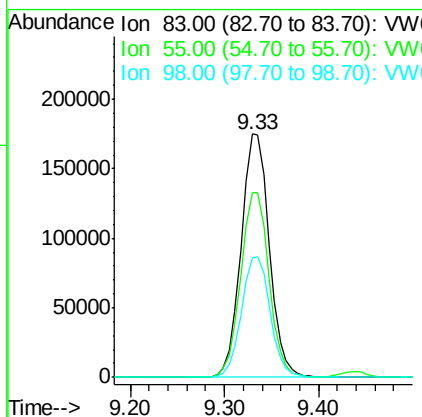
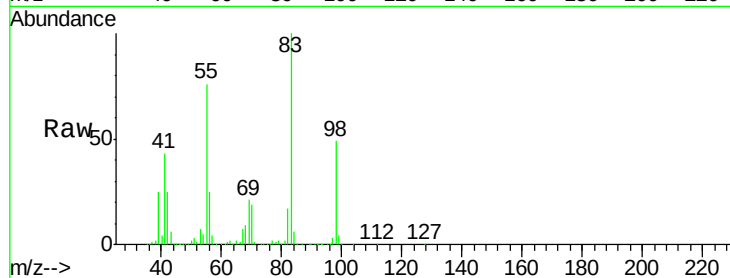
#39
Methylvlcyclohexane
Concen: 161.347 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.9	61.1	91.7	
98	49.0	42.5	63.7	

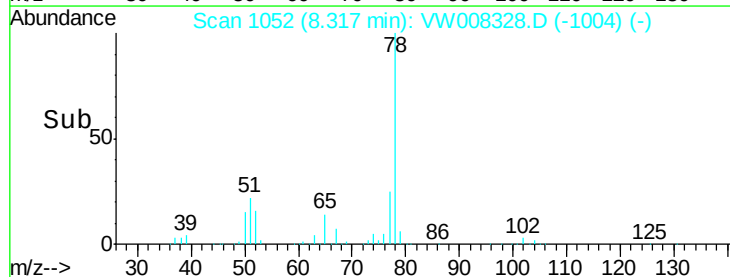
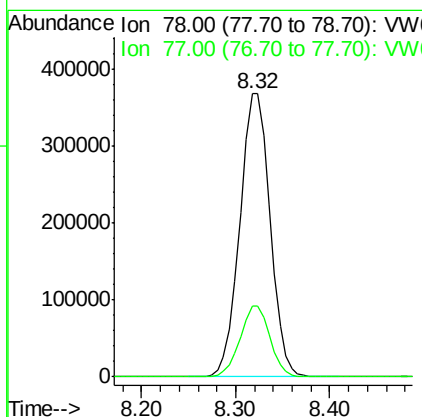
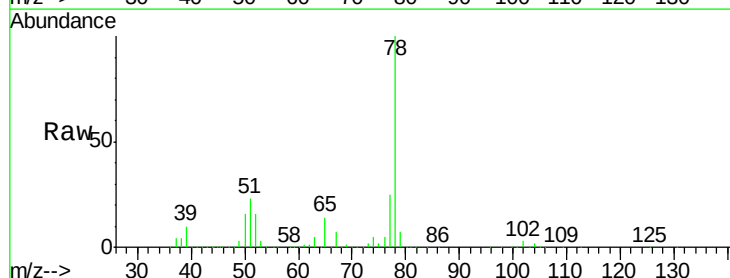
Manual Integrations
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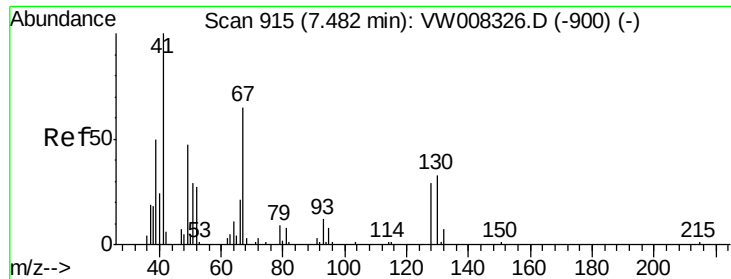
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#40
Benzene
Concen: 152.519 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.0	19.4	29.0	





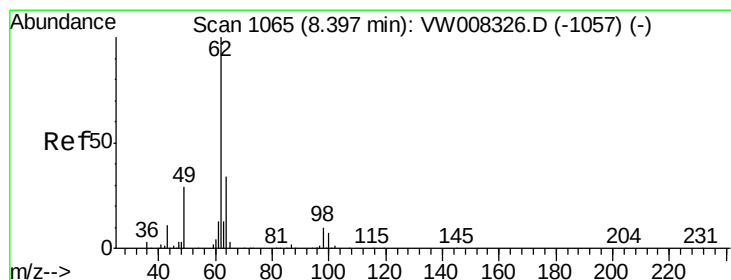
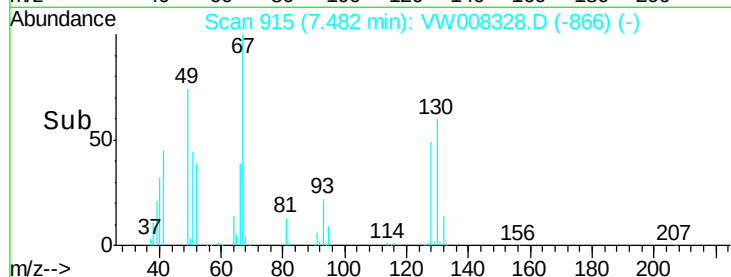
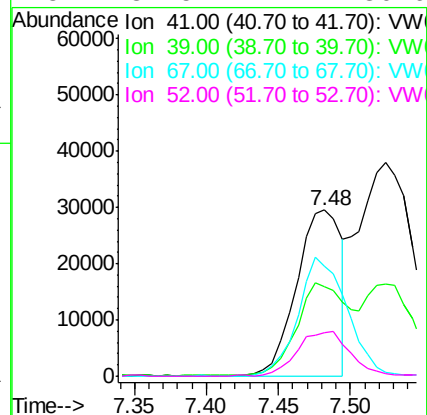
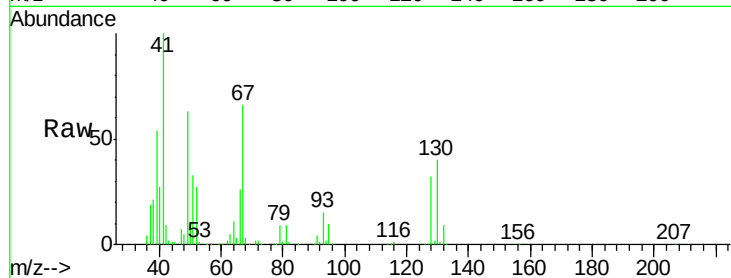
#41
Methacrylonitrile
Concen: 139.037 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.9	44.9	67.3
67	78.9	56.9	85.3
52	32.5	24.4	36.6

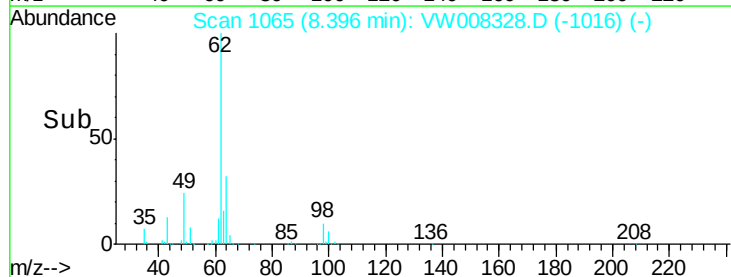
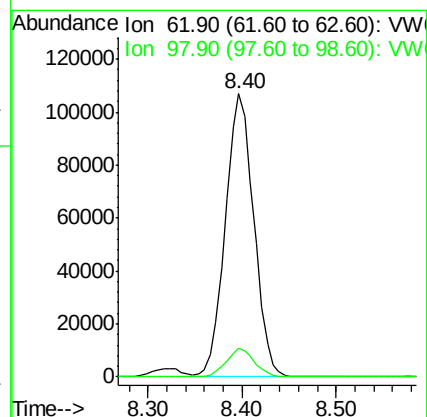
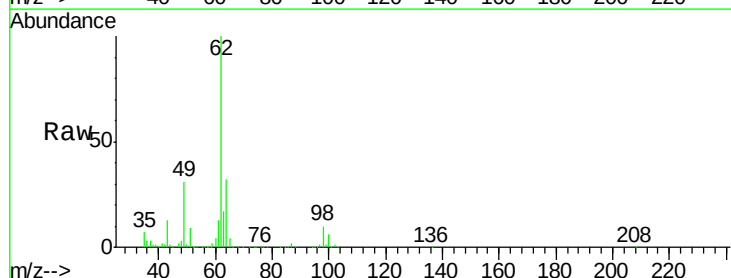
Manual Integrations
APPROVED

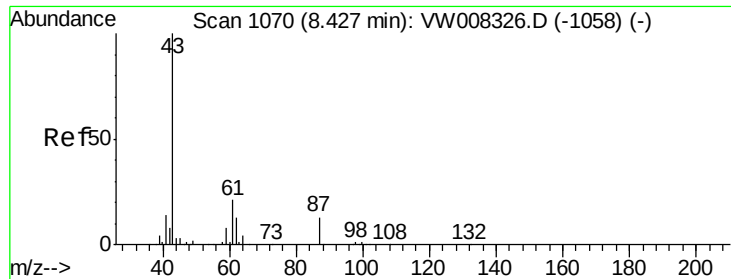
MMDadoda
1/18/2019 2:09:49 PM



#42
1,2-Dichloroethane
Concen: 147.699 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 156.813 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

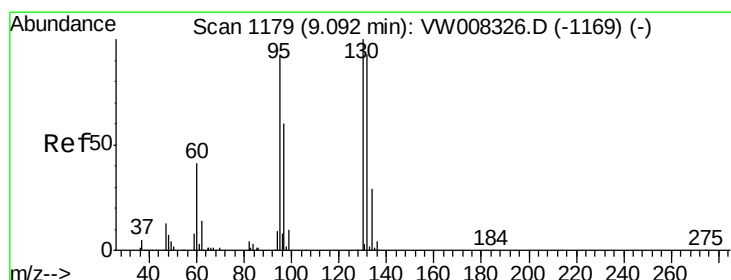
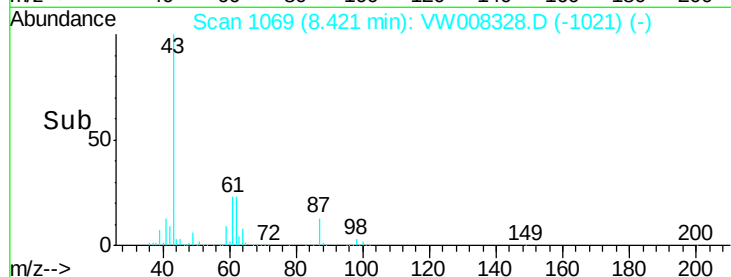
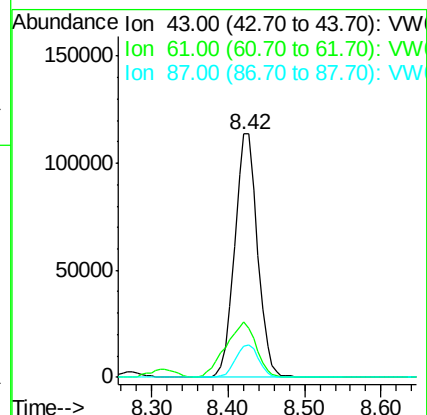
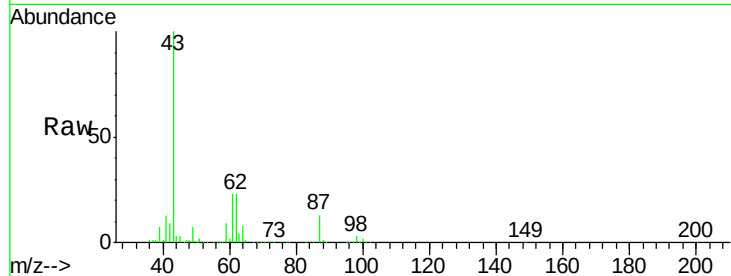
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	234367
Ion Ratio	Lower	Upper	
43	100		
61	30.1	24.8	37.2
87	13.6	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 155.494 ug/l

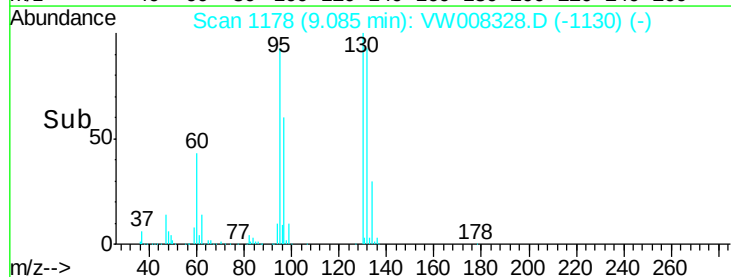
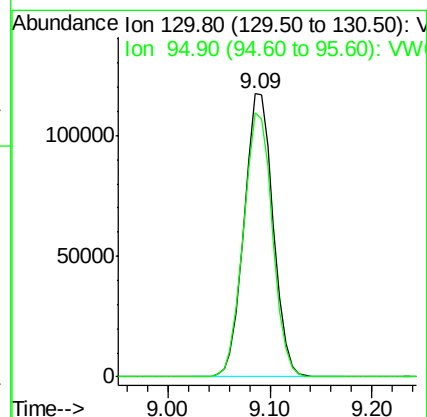
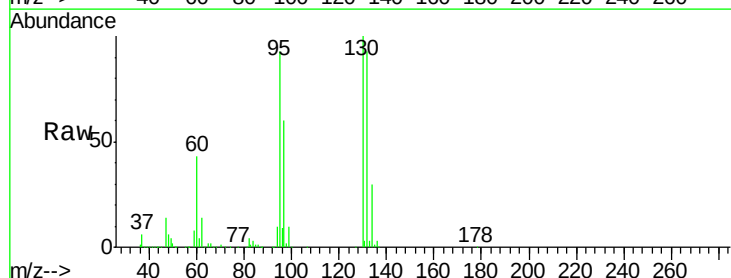
RT: 9.09 min Scan# 1178

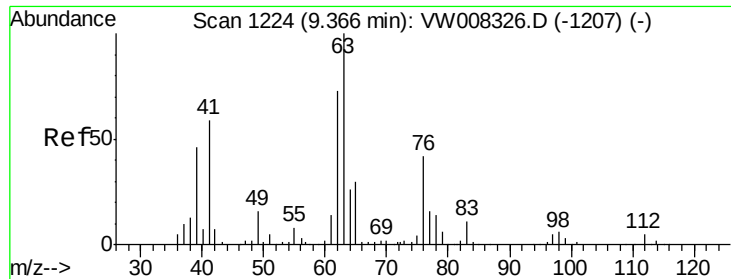
Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	130	Resp:	231538
Ion Ratio	Lower	Upper	
130	100		
95	93.3	0.0	184.8





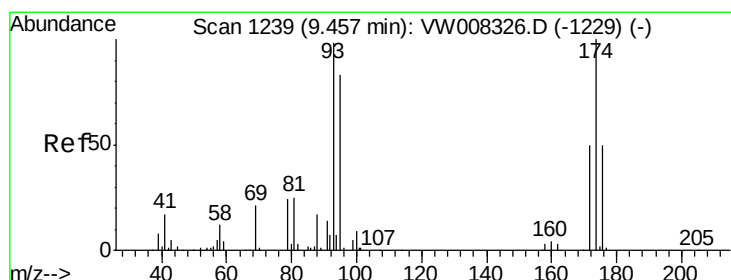
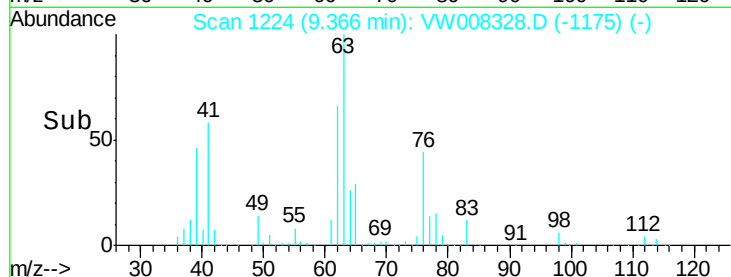
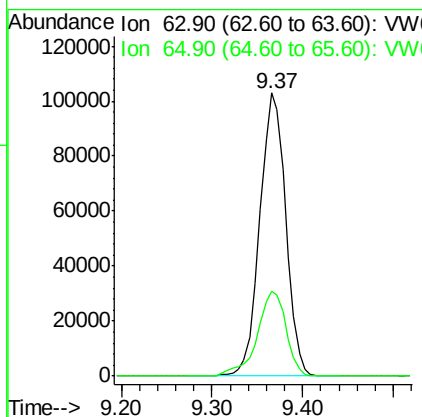
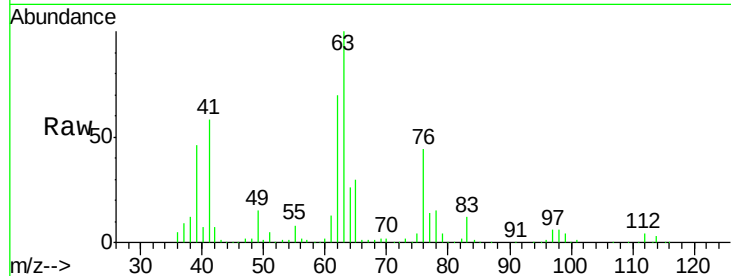
#45
 1,2-Dichloropropane
 Concen: 151.246 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 204190
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.9 35.9

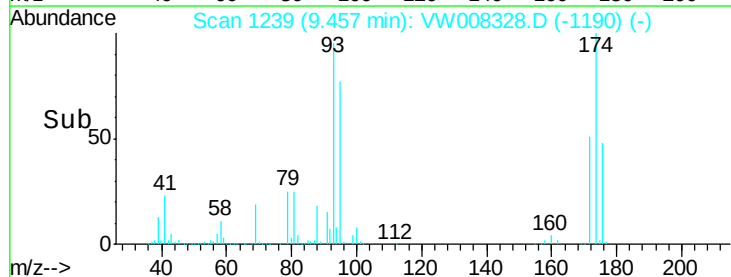
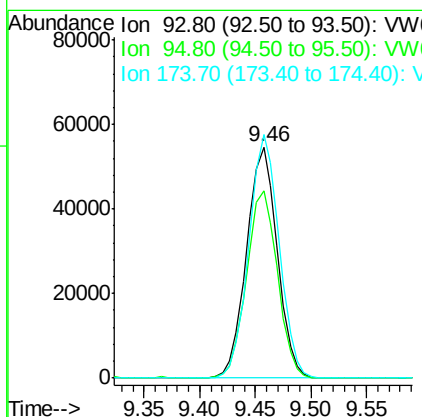
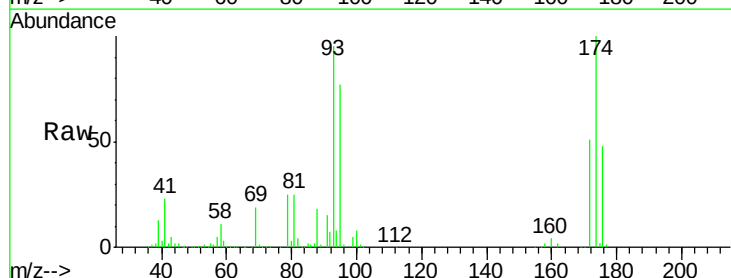
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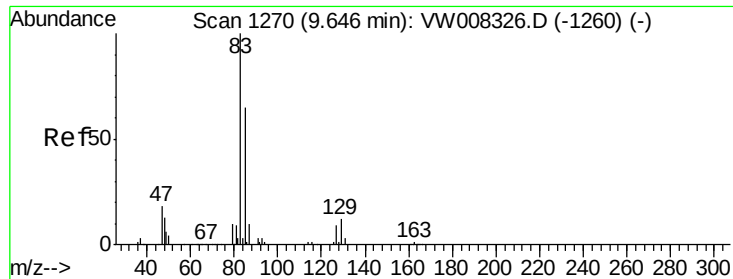
MMDadoda
 1/18/2019 2:09:49 PM



#46
 Dibromomethane
 Concen: 149.261 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 93 Resp: 105025
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.8 101.8
 174 104.1 84.4 126.6





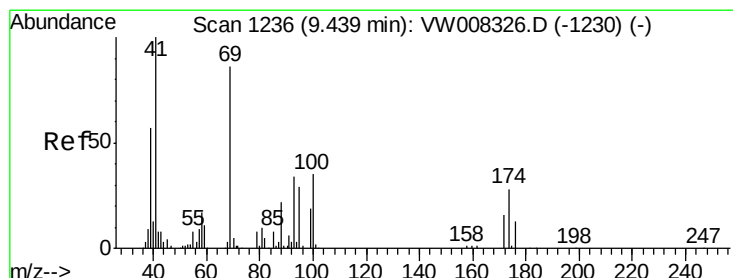
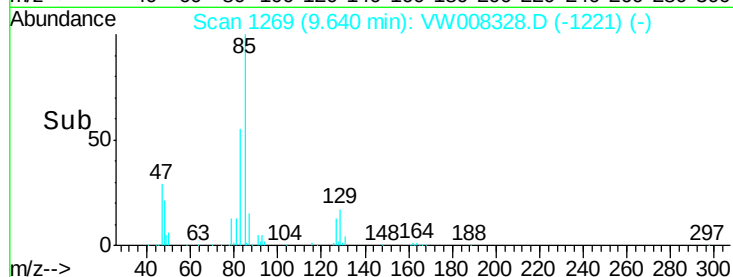
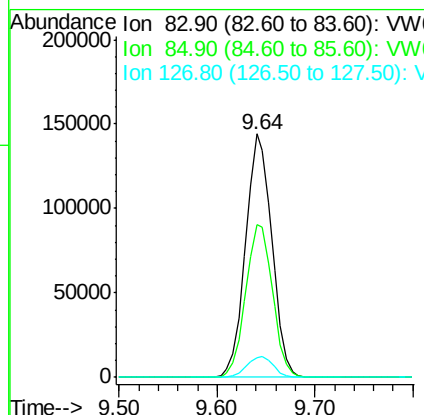
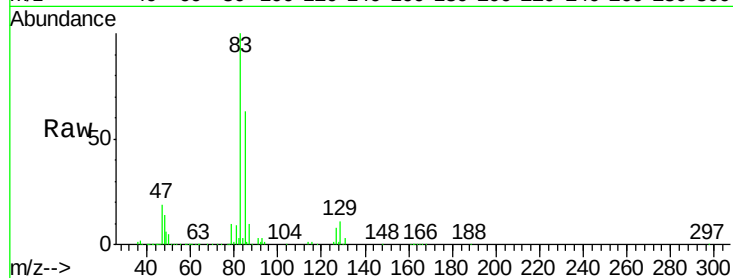
#47
Bromodichloromethane
Concen: 154.417 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:	83	Resp:	268010
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.6	77.4
127	8.3	6.8	10.2

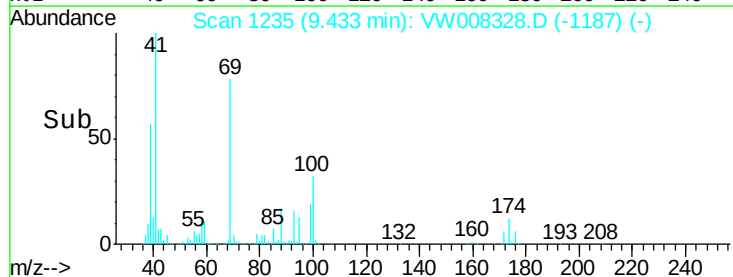
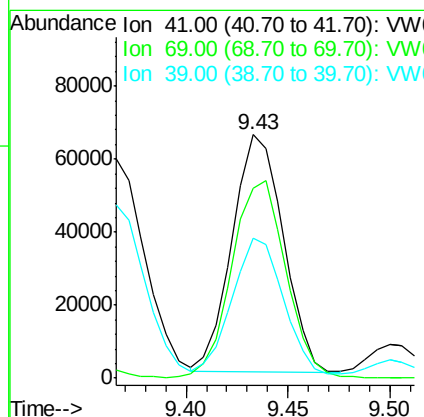
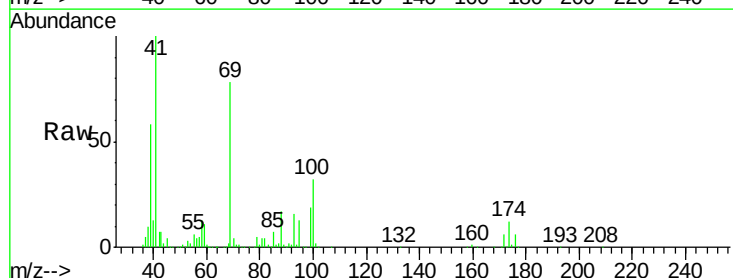
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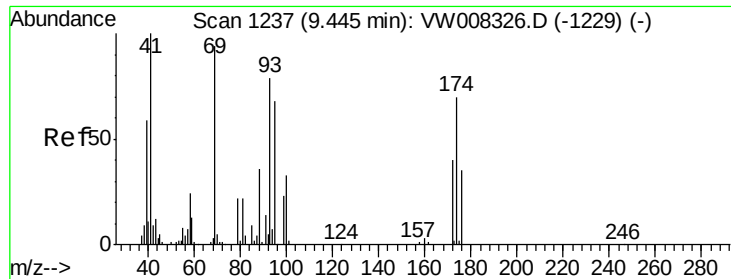
MMDadoda
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#48
Methyl methacrylate
Concen: 161.136 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion:	41	Resp:	113371
Ion Ratio	Lower	Upper	
41	100		
69	87.7	68.2	102.4
39	60.3	46.0	69.0





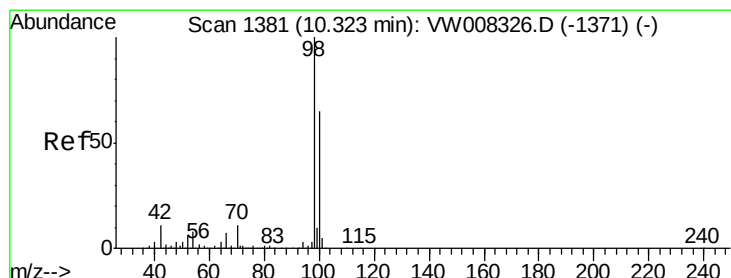
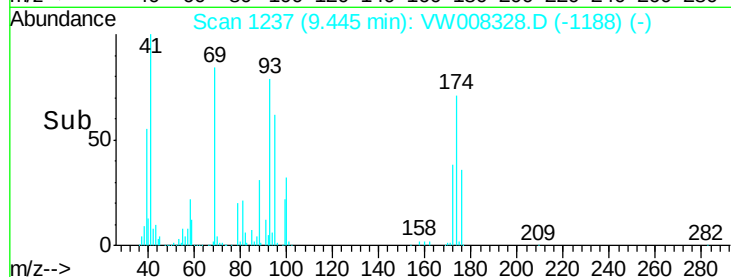
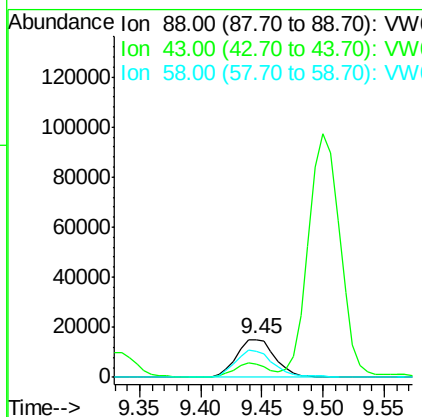
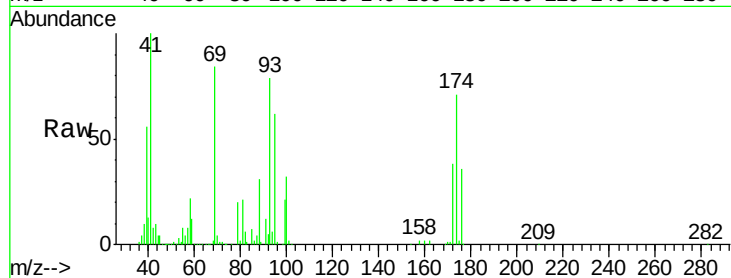
#49
1,4-Dioxane
Concen: 2939.404 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	27.1	40.7
58	72.5	57.9	86.9

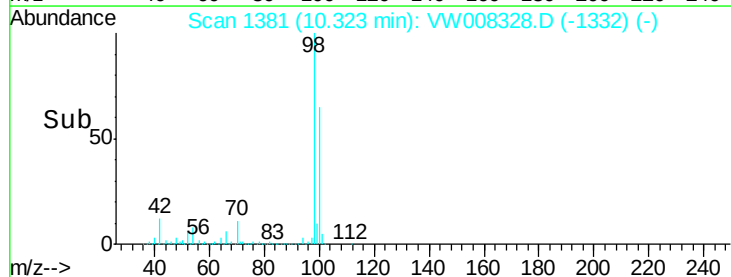
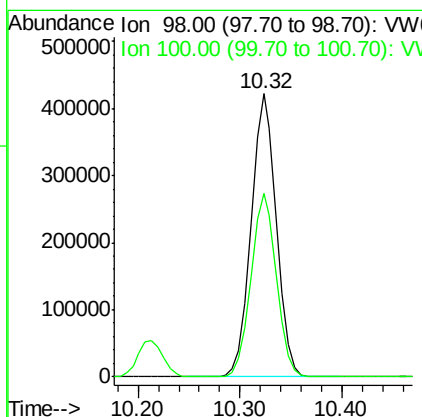
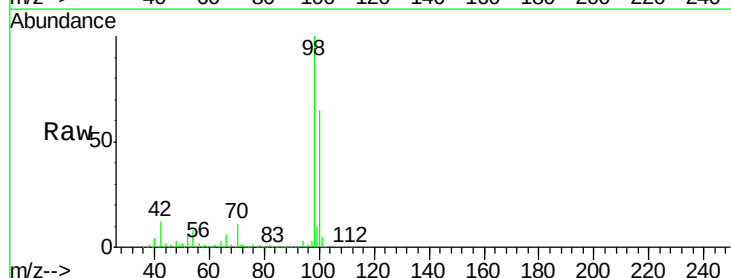
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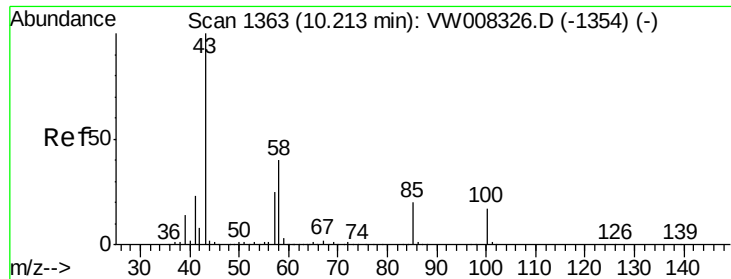
MMDadoda
1/18/2019 2:09:49 PM



#50
Toluene-d8
Concen: 152.134 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.8	77.8





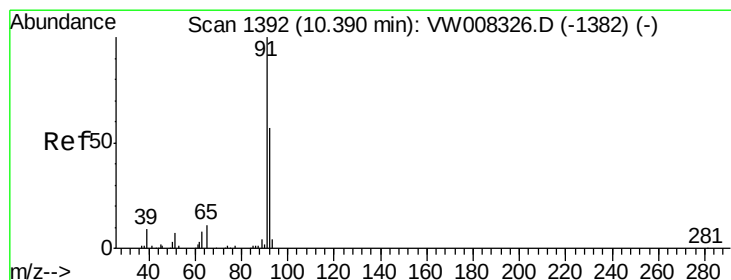
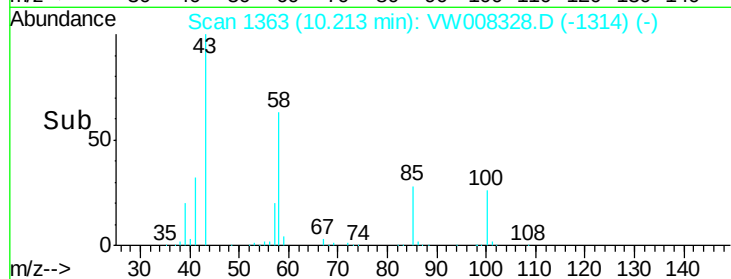
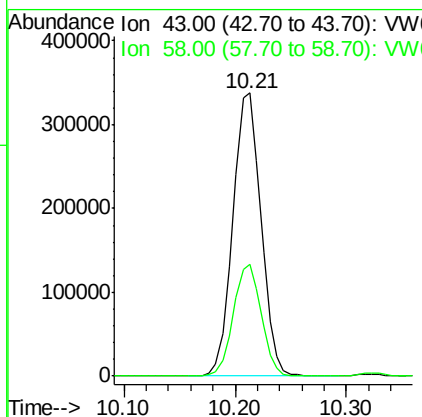
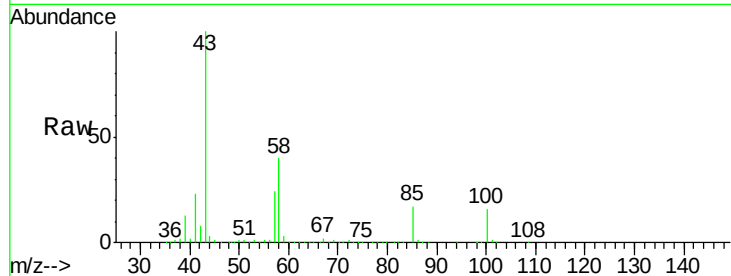
#51
4-Methyl-2-Pentanone
Concen: 779.870 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.4	47.0

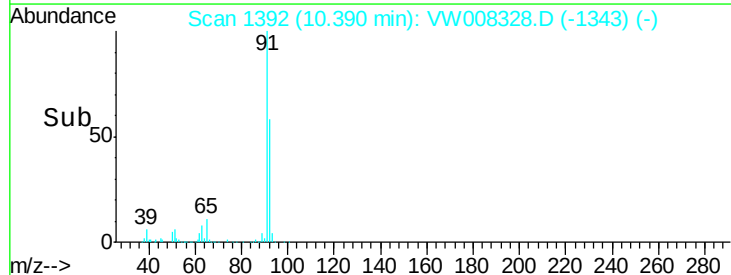
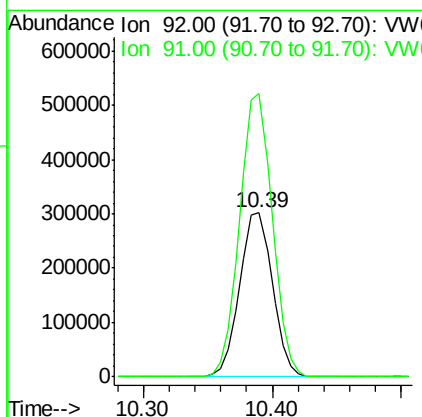
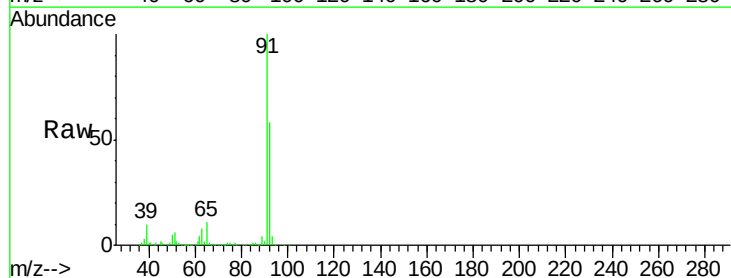
Manual Integrations
APPROVED

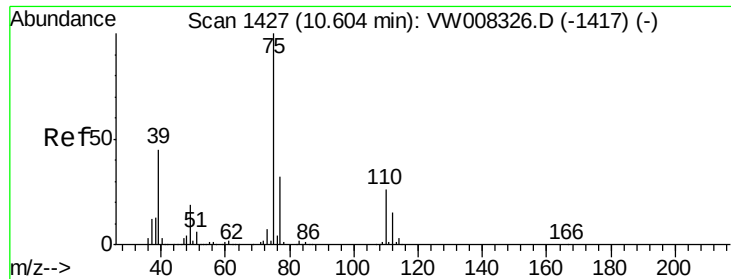
MMDadoda
1/18/2019 2:09:49 PM



#52
Toluene
Concen: 155.133 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	140.2	210.2





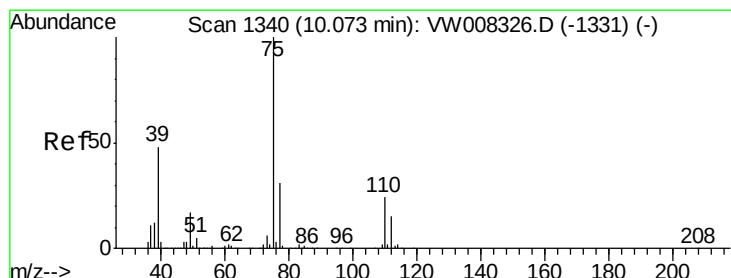
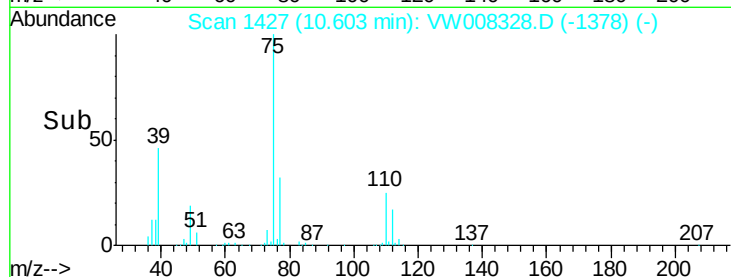
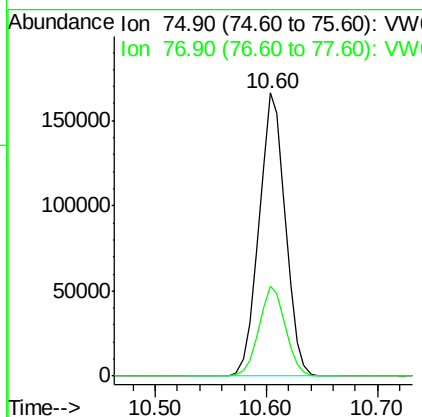
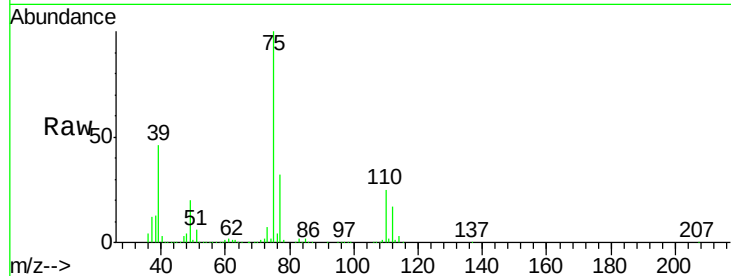
#53
 t-1,3-Dichloropropene
 Concen: 158.368 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 274336
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8

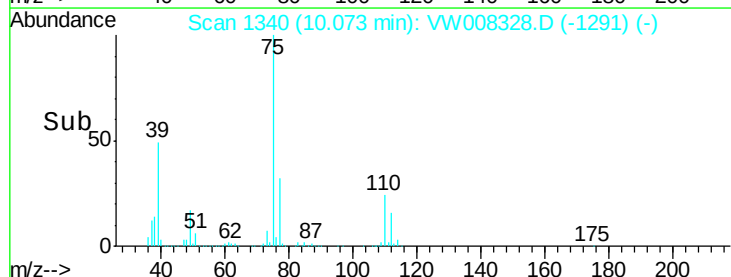
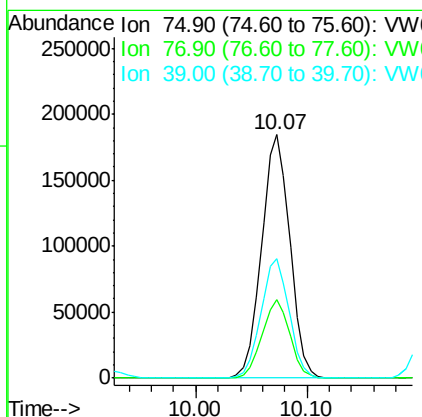
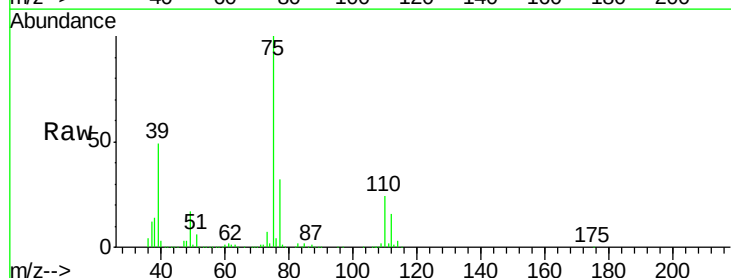
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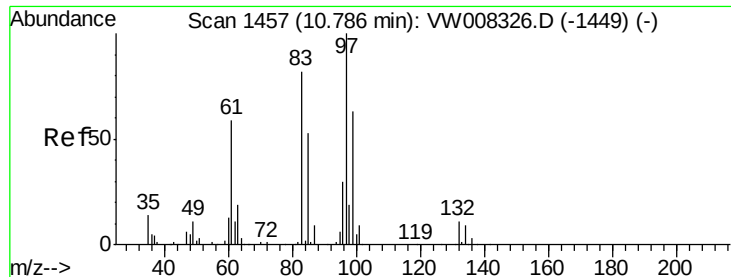
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#54
 cis-1,3-Dichloropropene
 Concen: 159.611 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 75 Resp: 325936
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.4 36.6
 39 49.2 38.6 57.8





#55

1,1,2-Trichloroethane

Concen: 149.620 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

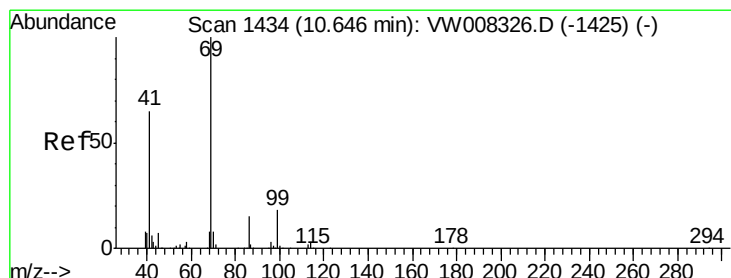
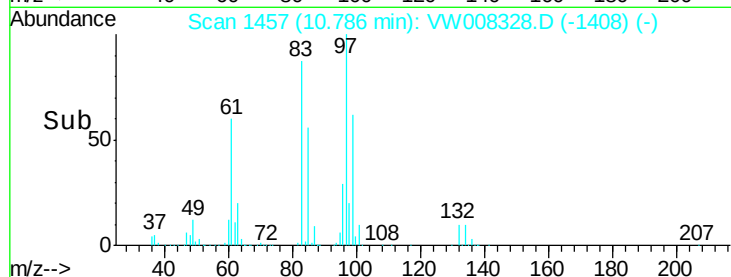
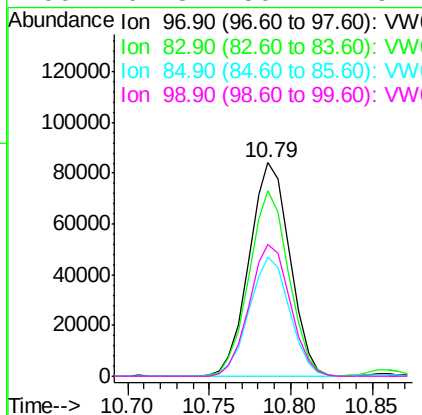
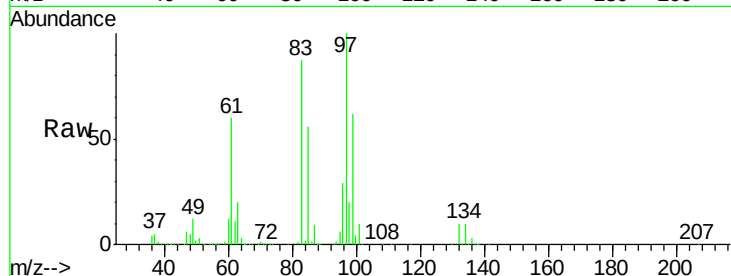
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	146021
Ion	Ratio	Lower	Upper
97	100		
83	86.8	65.3	97.9
85	55.9	42.6	64.0
99	61.8	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 165.602 ug/l

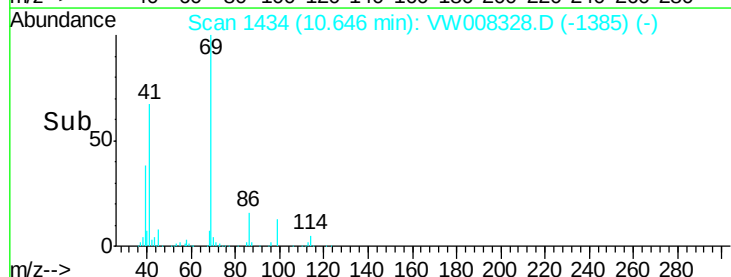
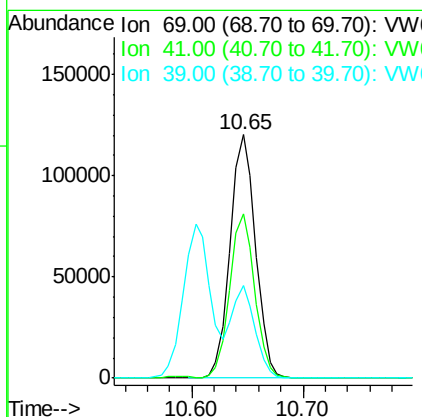
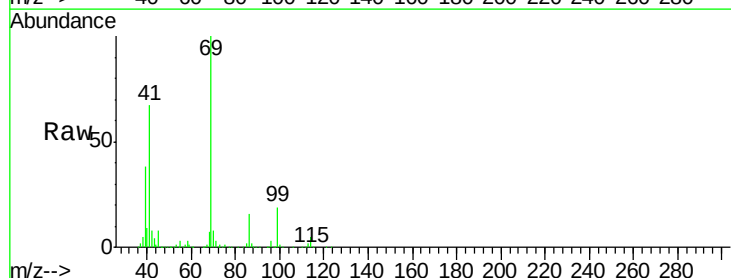
RT: 10.65 min Scan# 1434

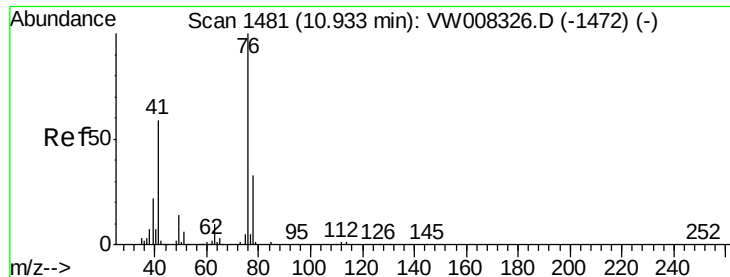
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	69	Resp:	189806
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.9	79.3
39	34.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 152.539 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 258483

Ion Ratio Lower Upper

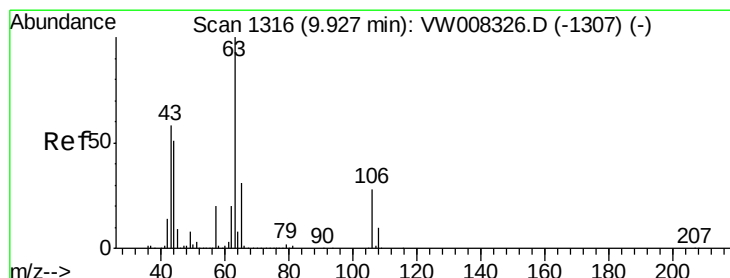
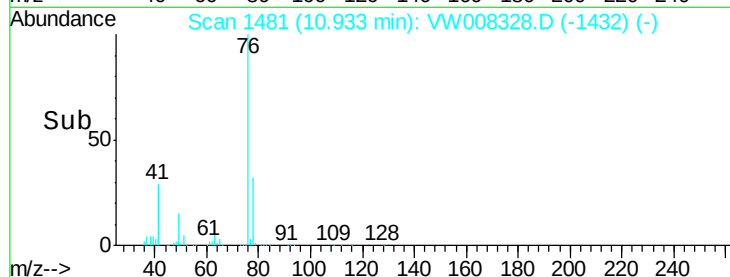
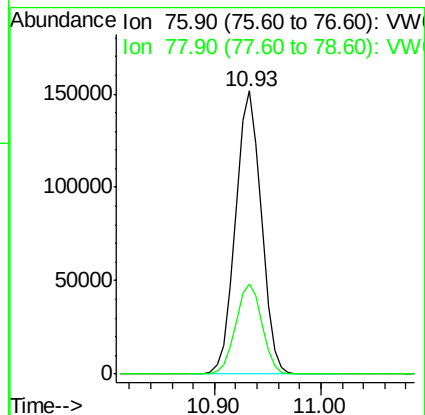
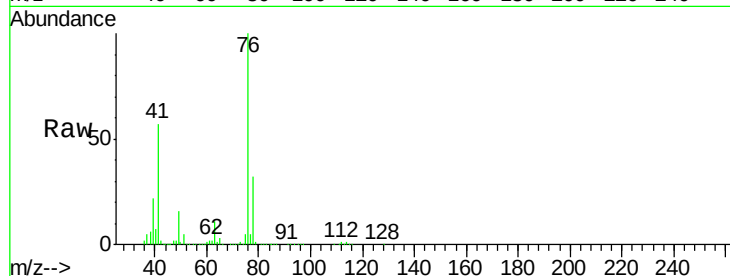
76 100

78 32.5 26.1 39.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 807.778 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008328.D

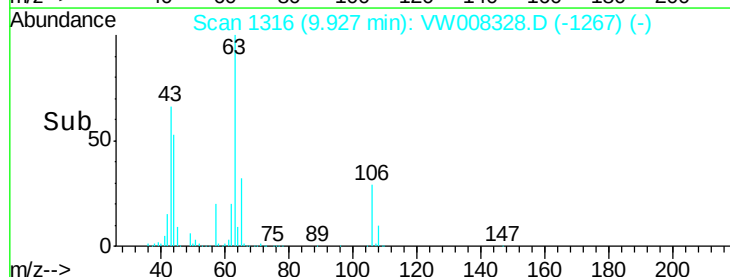
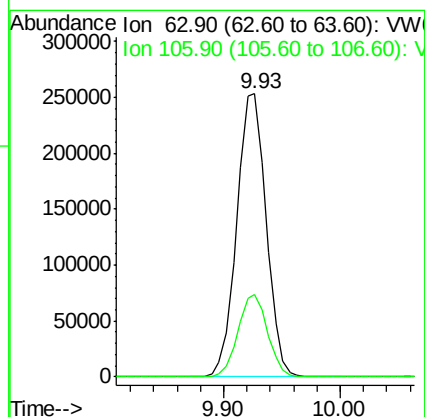
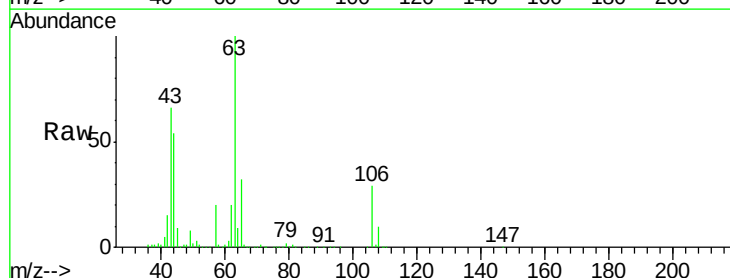
Acq: 17 Jan 2019 14:57

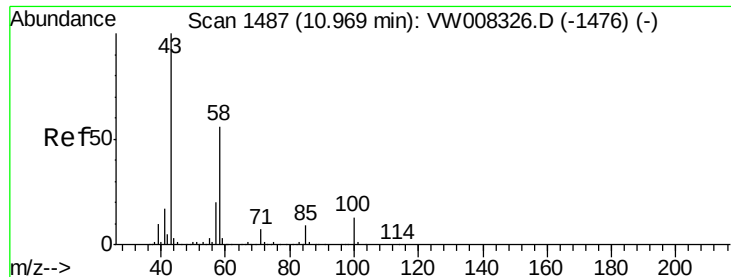
Tgt Ion: 63 Resp: 446585

Ion Ratio Lower Upper

63 100

106 29.0 22.9 34.3





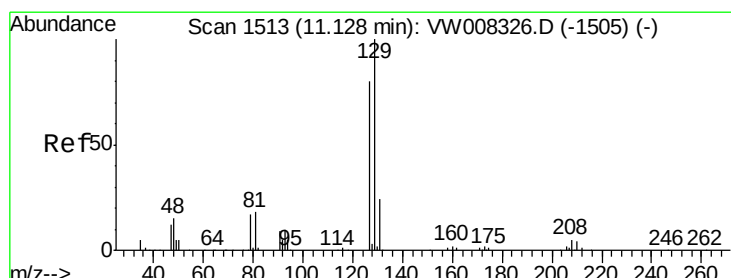
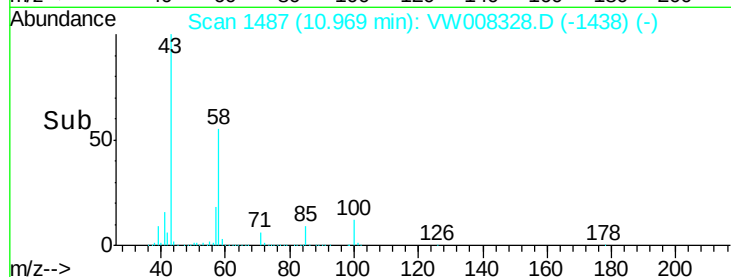
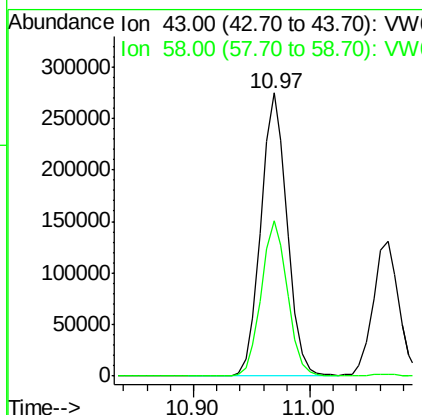
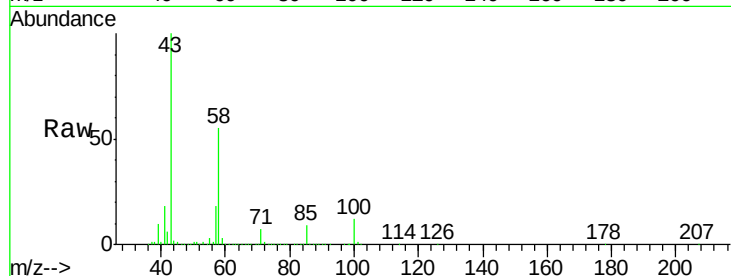
#59
2-Hexanone
Concen: 812.667 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.5	82.5

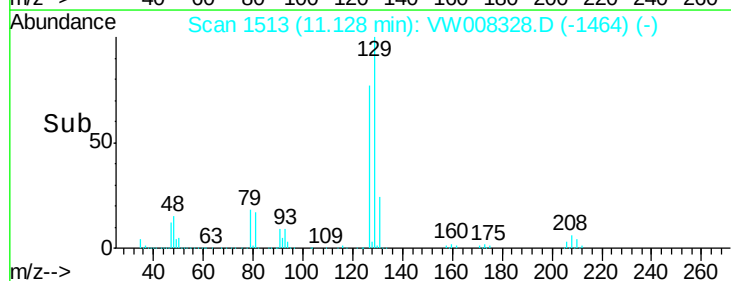
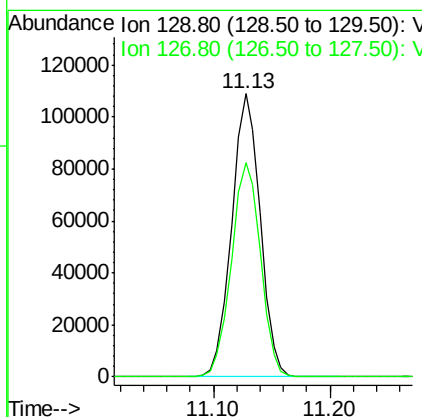
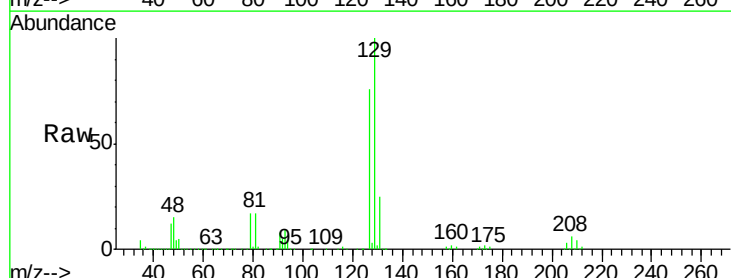
Manual Integrations
APPROVED

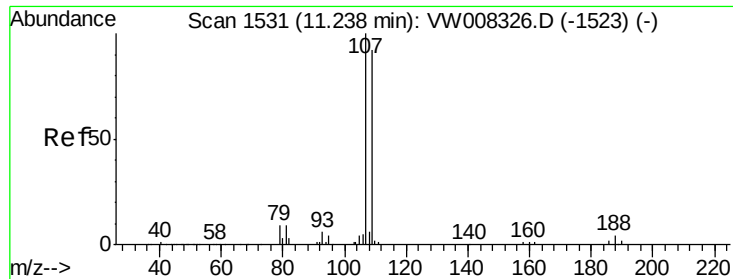
MMDadoda
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#60
Dibromochloromethane
Concen: 159.617 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.2





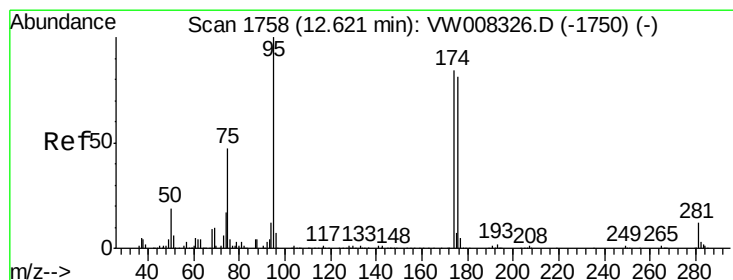
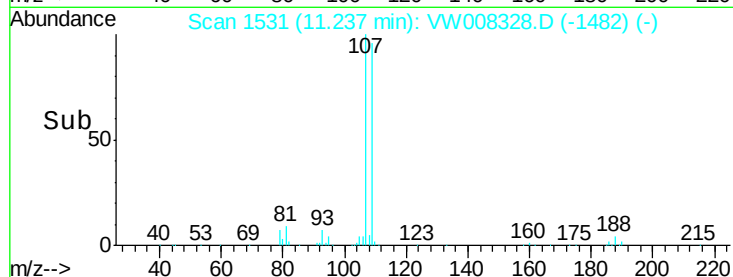
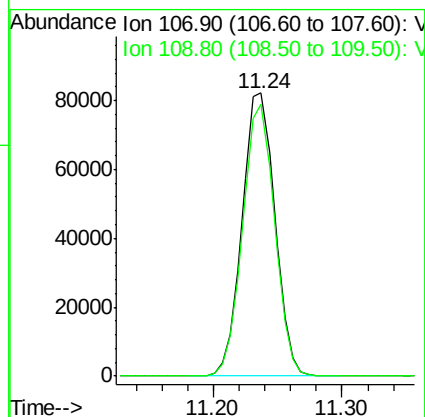
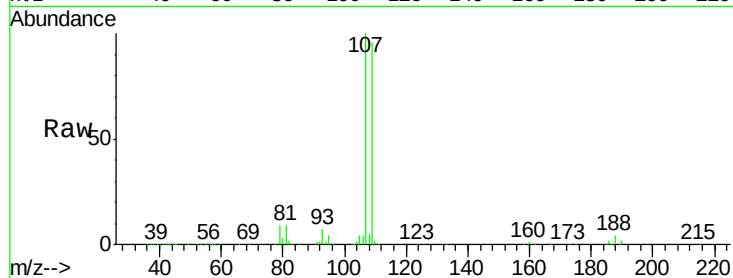
#61
 1,2-Dibromoethane
 Concen: 153.125 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 107 Resp: 144710
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.0 111.0

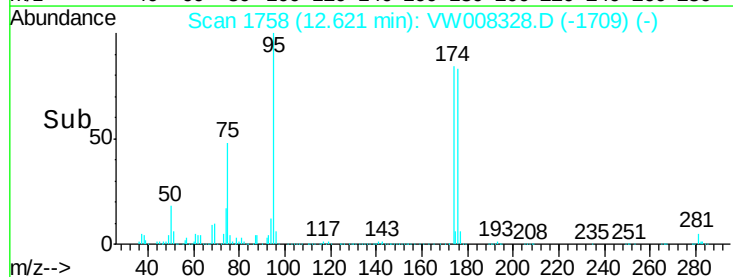
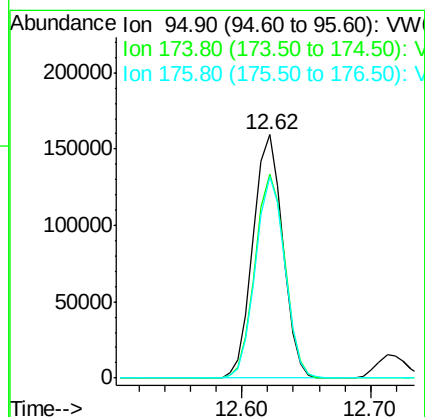
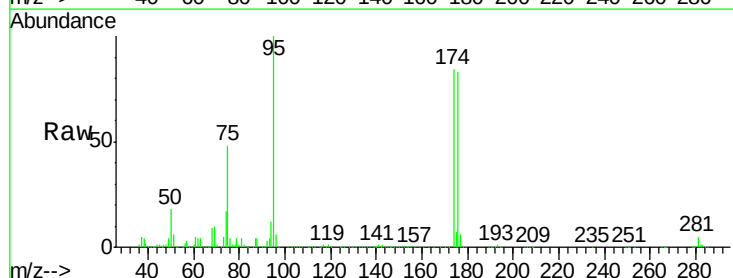
Manual Integrations
 APPROVED

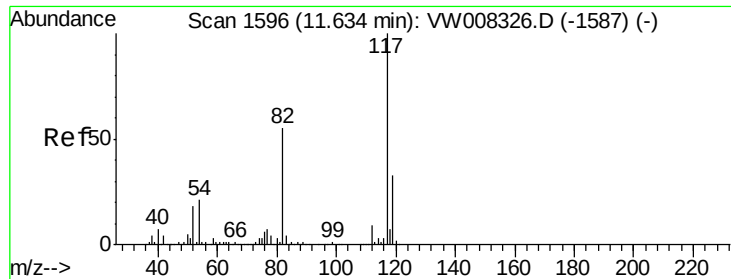
MMDadoda
 1/18/2019 2:09:49 PM



#62
 4-Bromofluorobenzene
 Concen: 147.330 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 95 Resp: 252703
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 166.0
 176 82.0 0.0 160.0





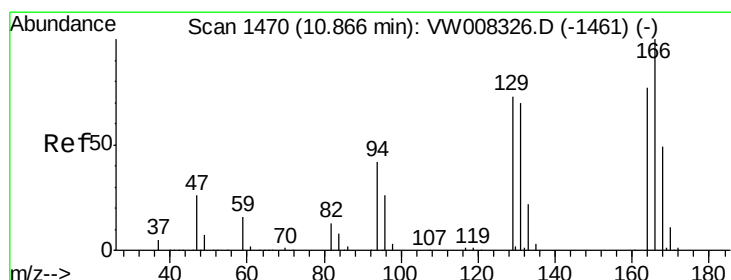
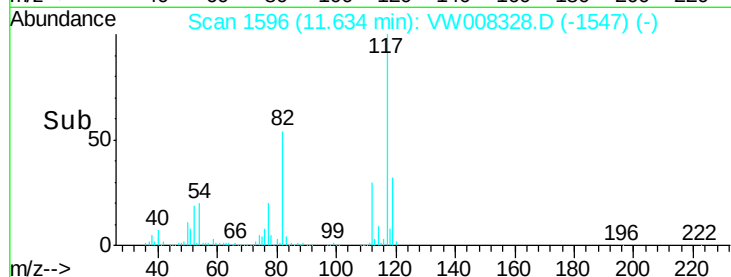
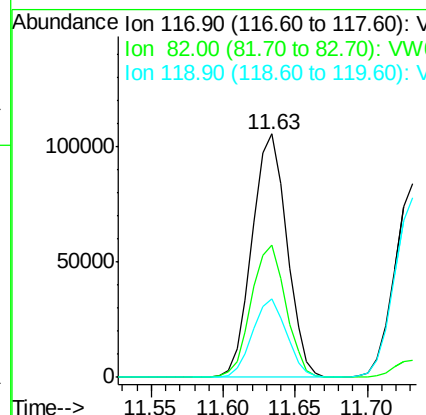
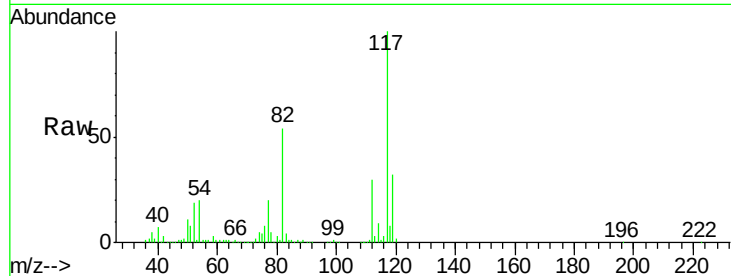
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	176005		
82	54.0		44.3	66.5
119	32.0		26.3	39.5

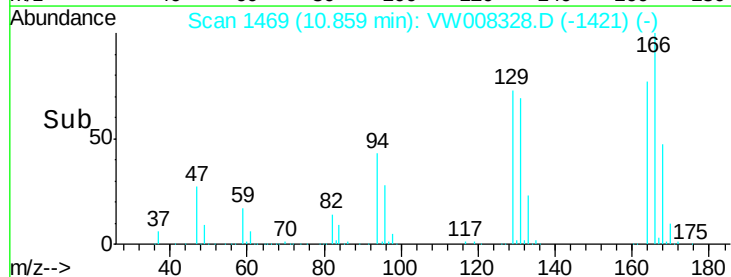
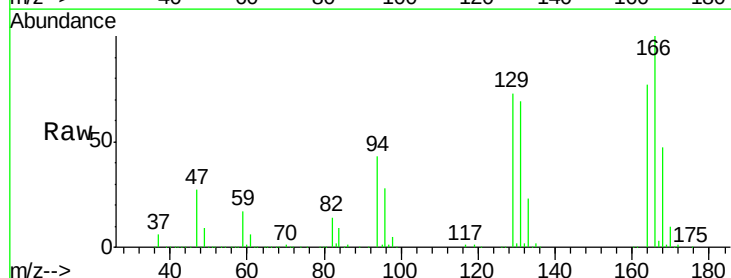
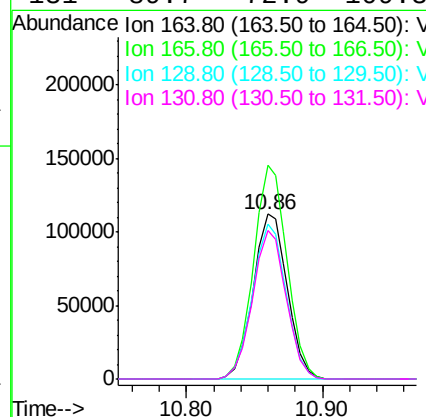
Manual Integrations
APPROVED

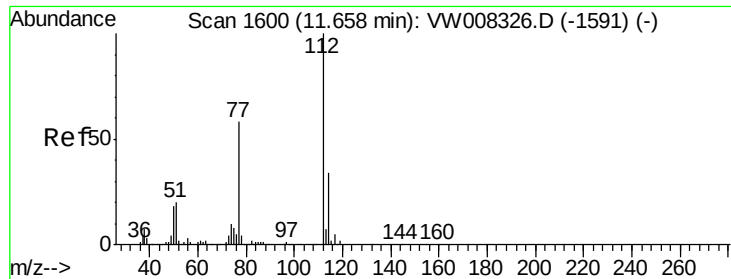
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#64
Tetrachloroethene
Concen: 159.745 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197144		
166	129.6		103.4	155.2
129	94.2		75.0	112.6
131	89.7		72.9	109.3





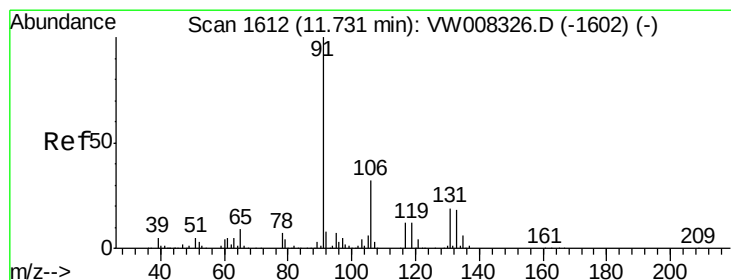
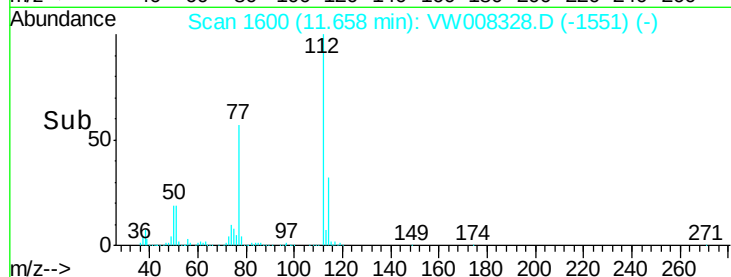
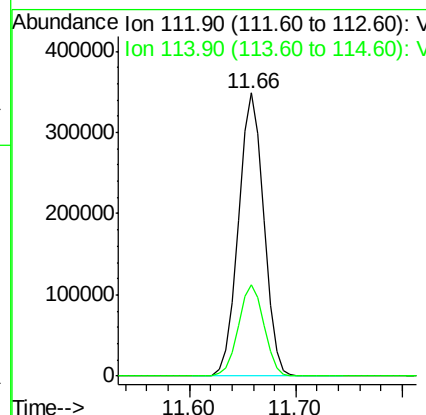
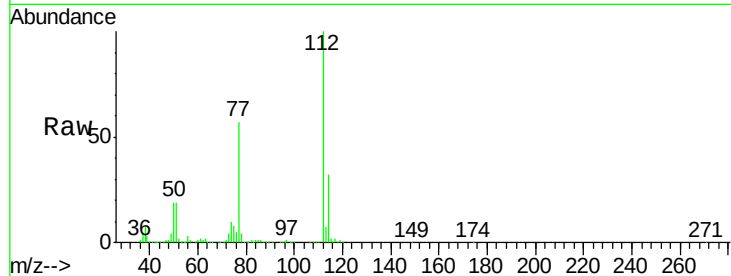
#65
Chlorobenzene
Concen: 151.503 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.9	40.3

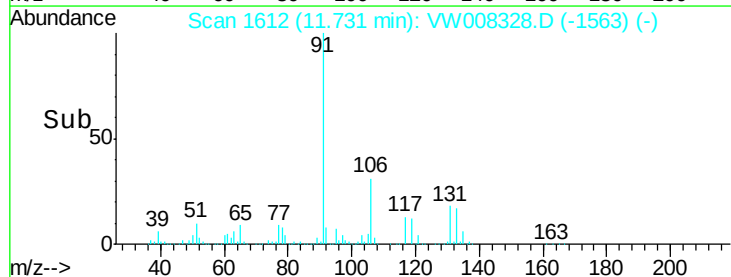
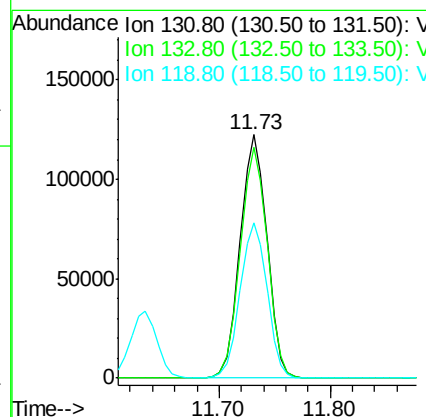
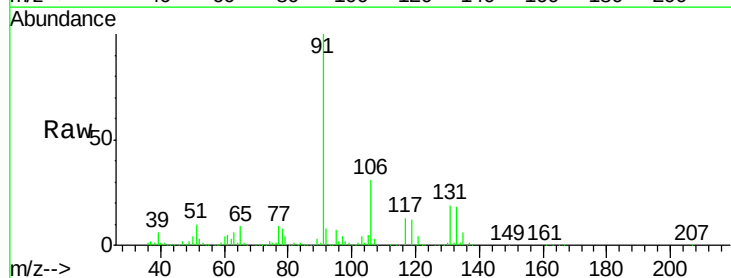
Manual Integrations
APPROVED

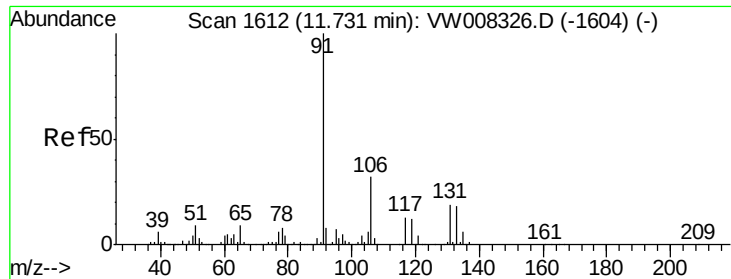
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#66
1,1,1,2-Tetrachloroethane
Concen: 154.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.2	144.6
119	64.2	31.6	94.7





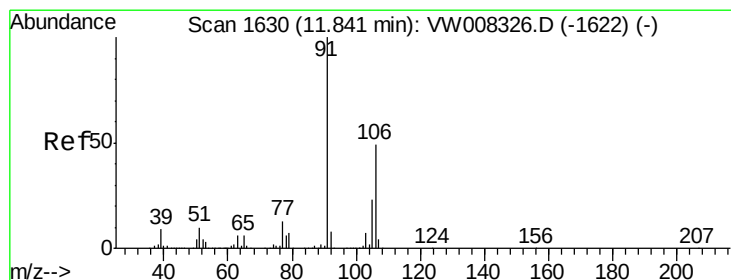
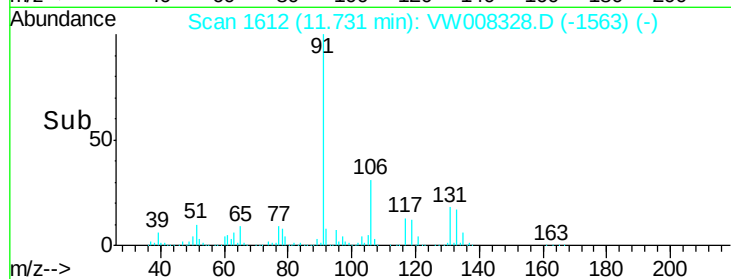
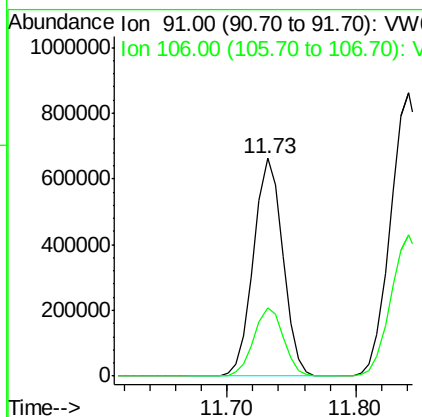
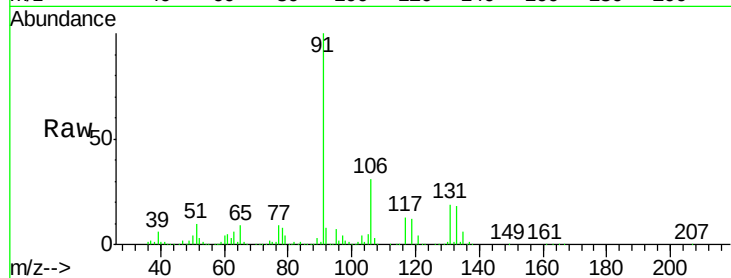
#67
Ethyl Benzene
Concen: 156.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1042654
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2

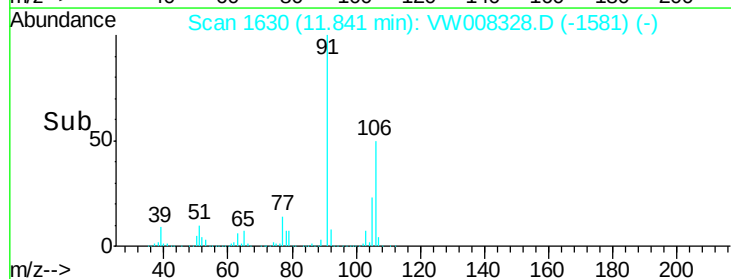
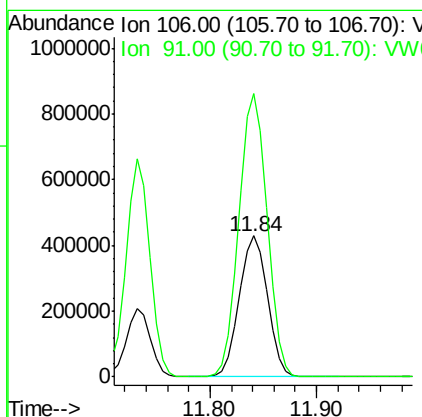
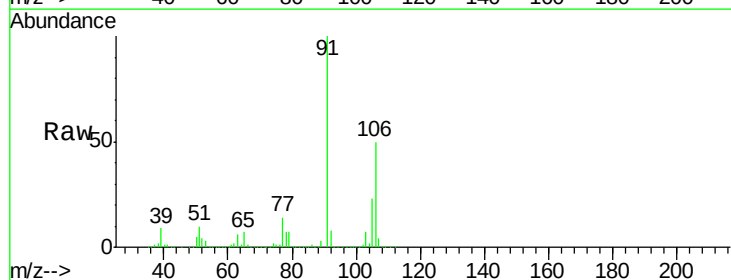
Manual Integrations
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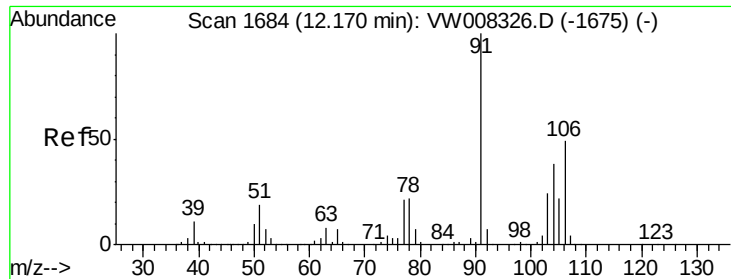
MMDadoda
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#68
m/p-Xylenes
Concen: 309.701 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 106 Resp: 801297
Ion Ratio Lower Upper
106 100
91 200.1 158.4 237.6





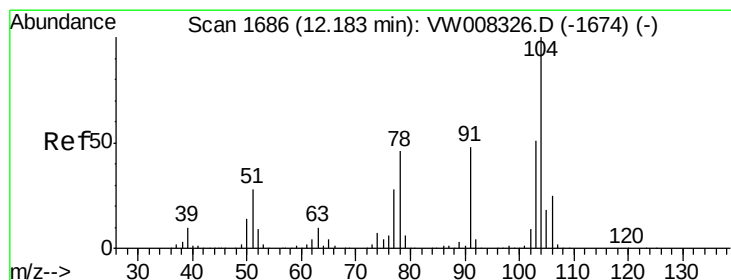
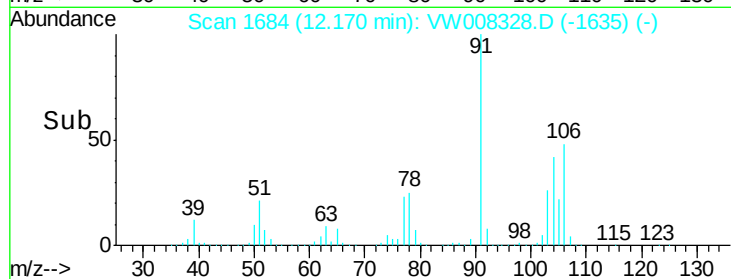
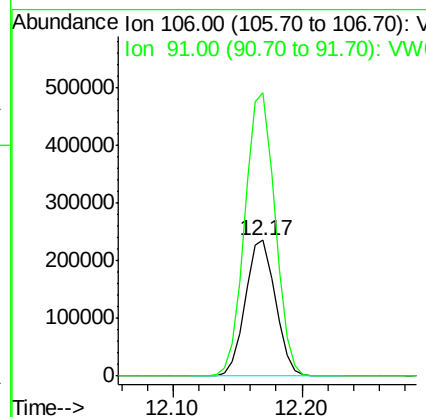
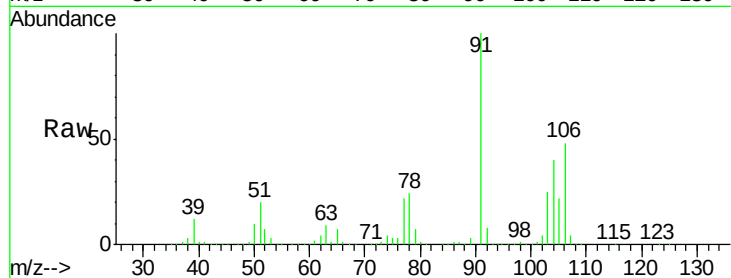
#69
o-Xylene
Concen: 157.540 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		380812		
91	208.8	104.1	312.3		

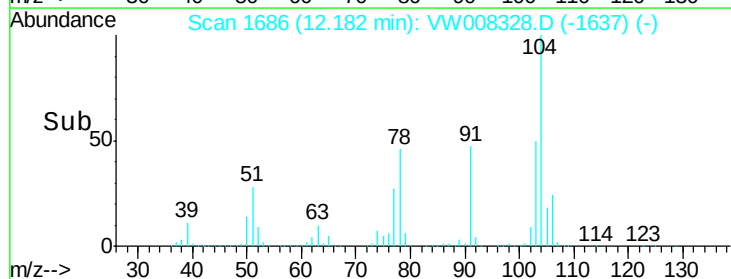
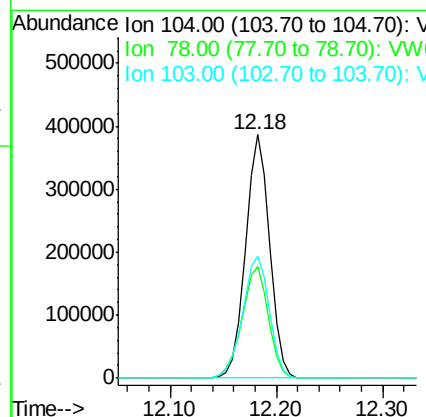
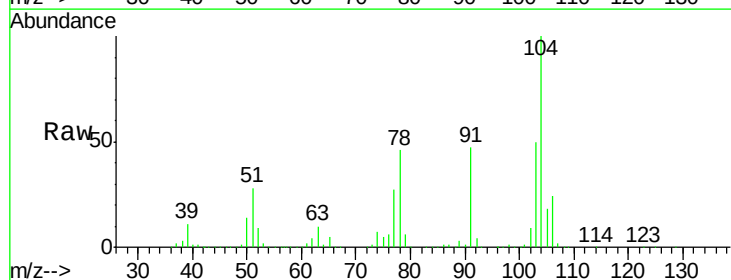
Manual Integrations
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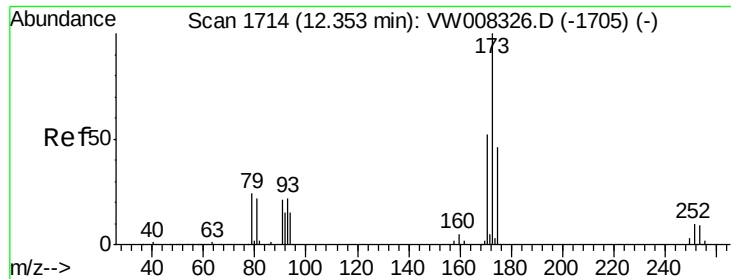
MMDadoda
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#70
Styrene
Concen: 157.687 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		612256		
78	50.5	39.8	59.6		
103	55.8	44.0	66.0		





#71

Bromoform

Concen: 163.643 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

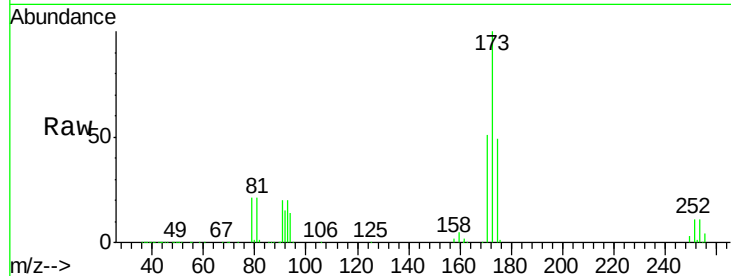
ClientSampleId :

VSTDIC150

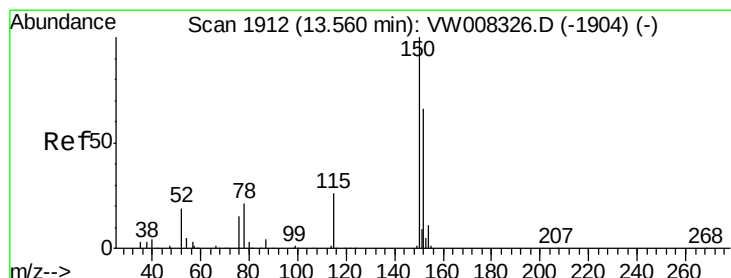
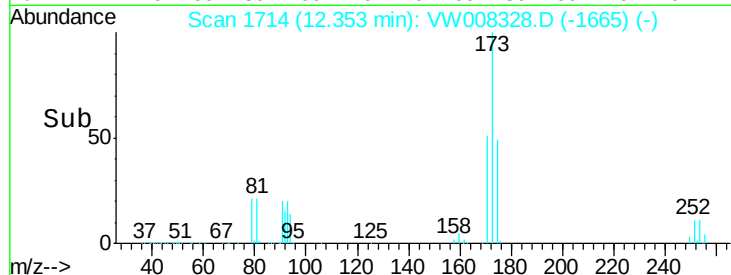
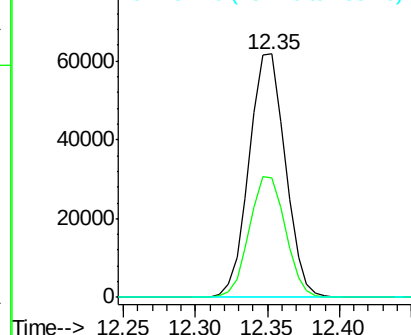
Tot Ion:	173	Resp:	107713
Ion Ratio	Lower	Upper	
173	100		
175	49.2	23.6	70.8
254	0.2	0.2	0.2

Manual Integrations
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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

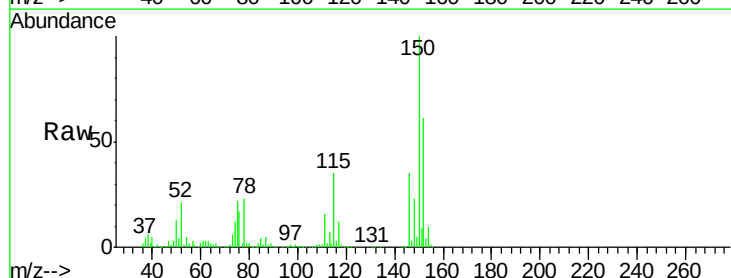
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

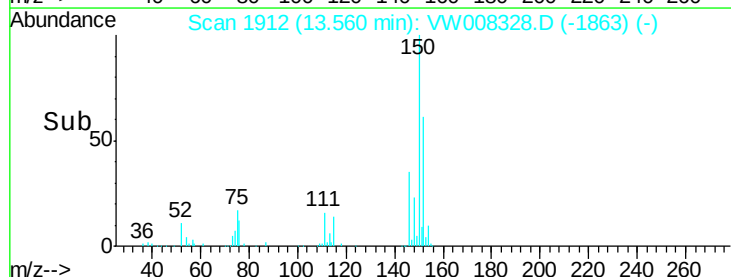
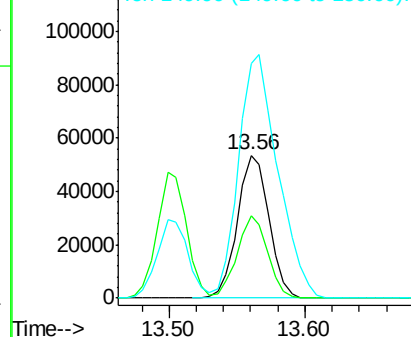
Lab File: VW008328.D

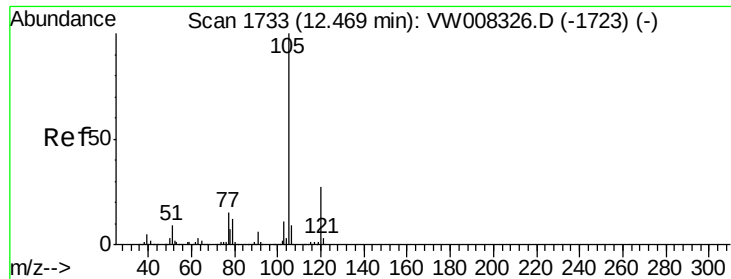
Acq: 17 Jan 2019 14:57

Tgt Ion:	152	Resp:	86119
Ion Ratio	Lower	Upper	
152	100		
115	56.1	28.8	86.4
150	213.6	0.0	351.4



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: 161.246 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1011796

Ion Ratio Lower Upper

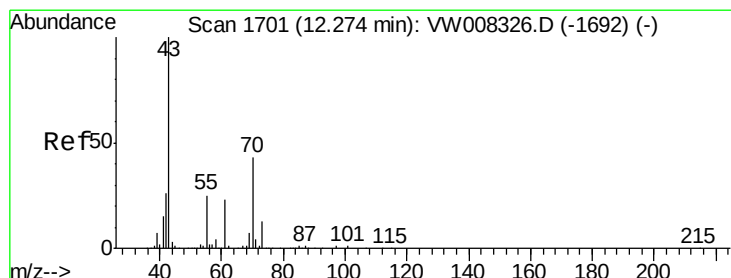
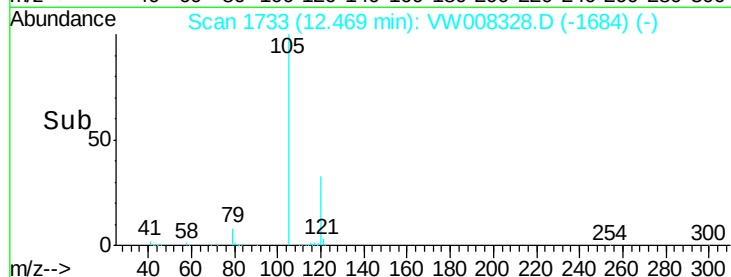
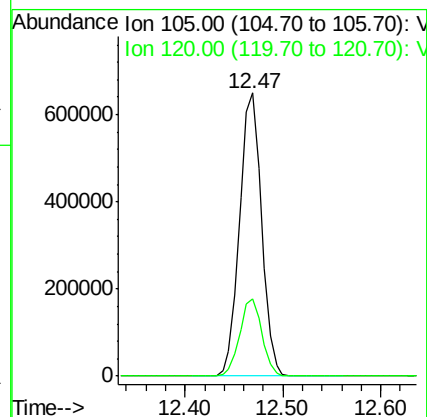
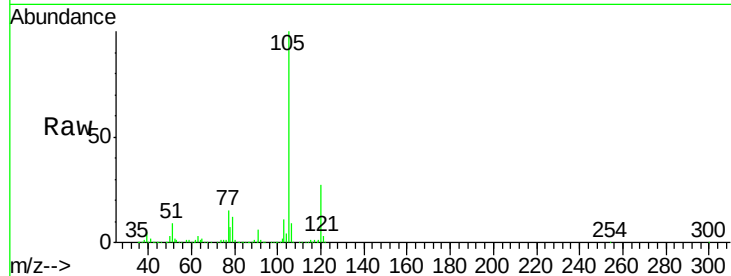
105 100

120 27.5 13.6 40.8

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#74

N-ethyl acetate

Concen: 165.139 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion: 43 Resp: 222066

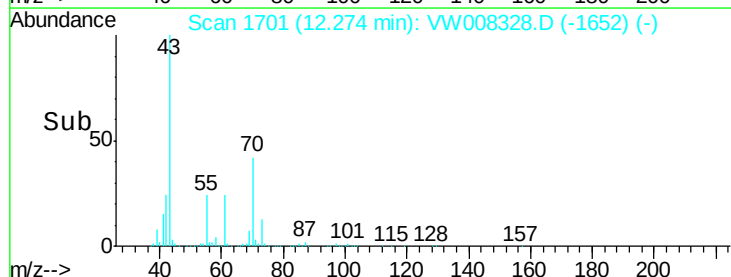
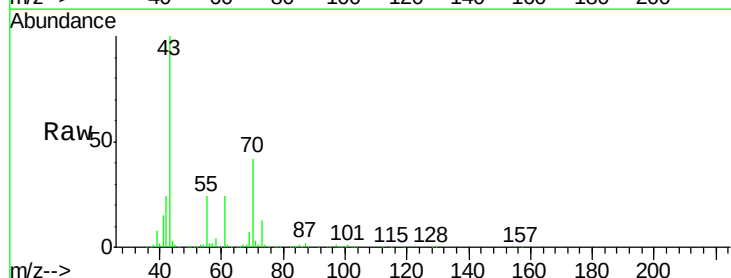
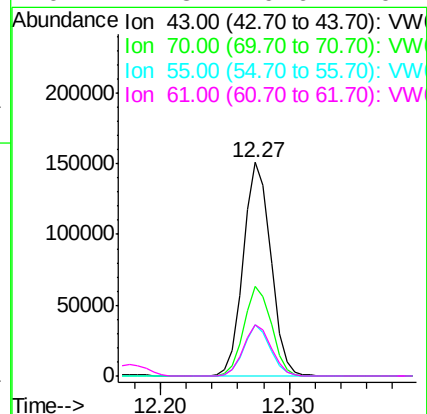
Ion Ratio Lower Upper

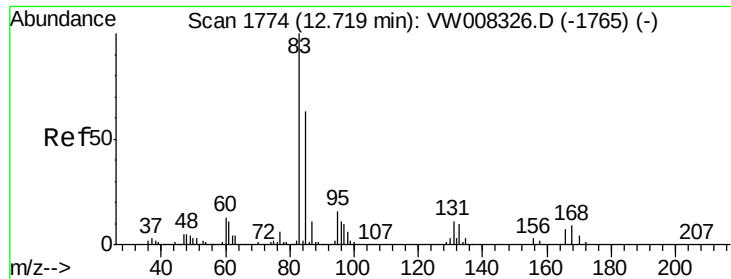
43 100

70 42.3 34.6 52.0

55 23.3 20.0 30.0

61 24.3 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 150.627 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

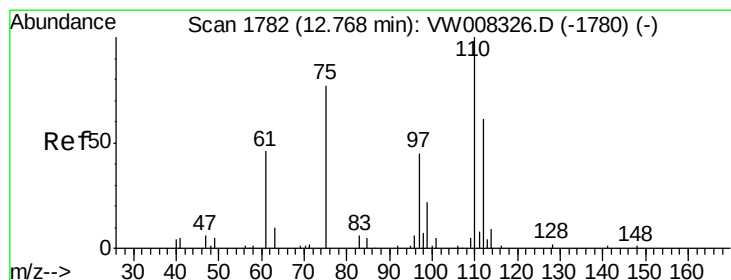
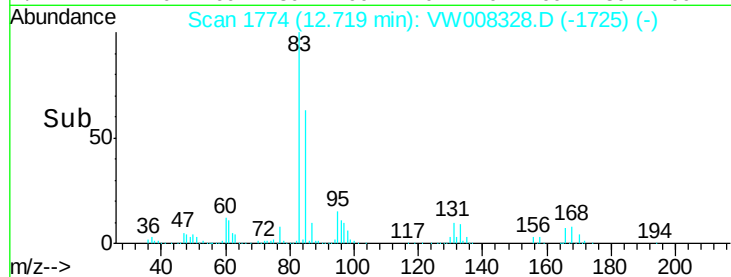
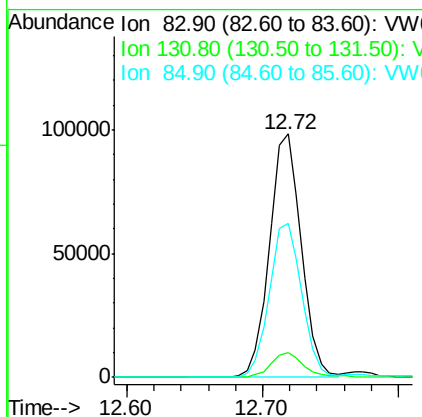
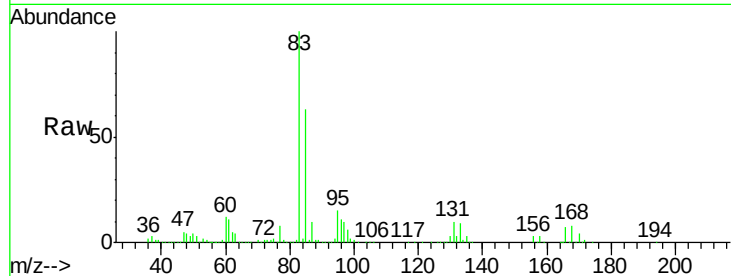
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	160766
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	64.6	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 139.438 ug/l m

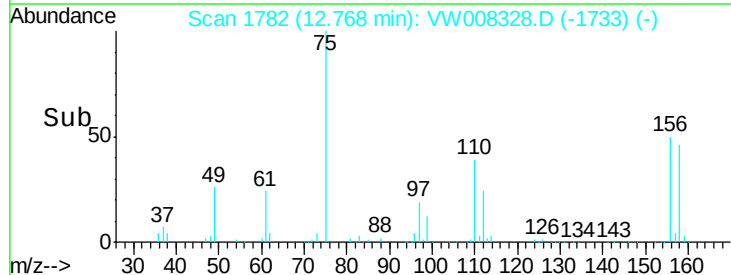
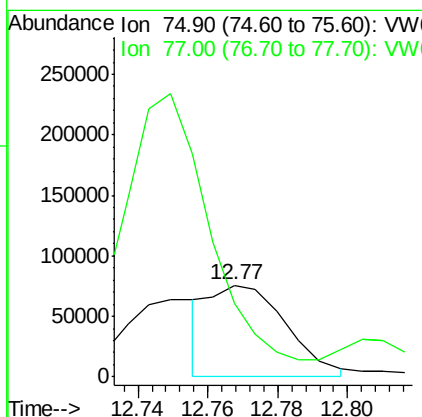
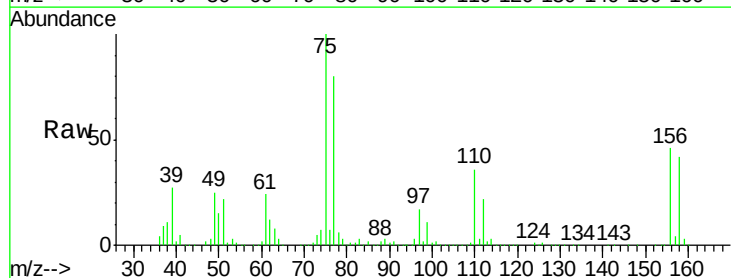
RT: 12.77 min Scan# 1782

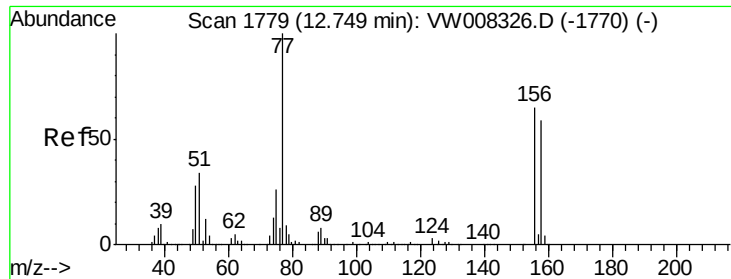
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	75	Resp:	116732
Ion Ratio	Lower	Upper	
75	100		
77	361.2	175.3	526.1





#77

Bromobenzene

Concen: 159.427 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

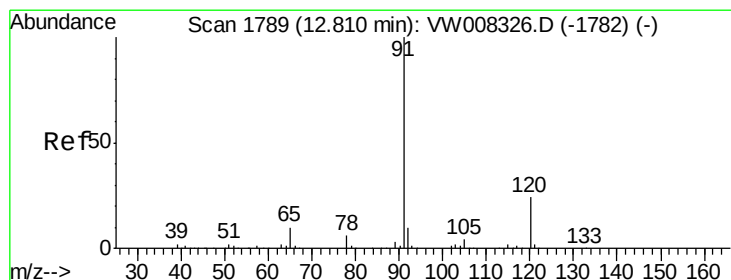
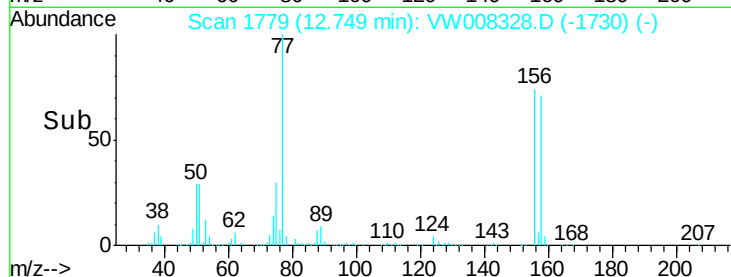
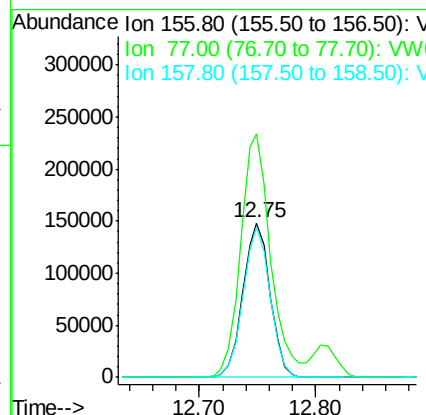
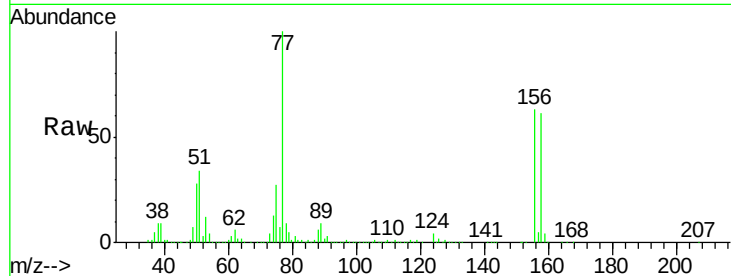
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.5	88.3	264.9
158	96.5	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 160.047 ug/l

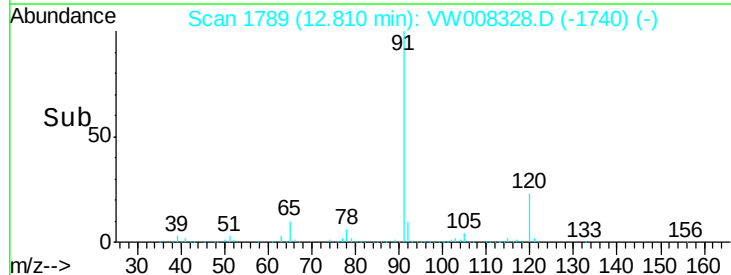
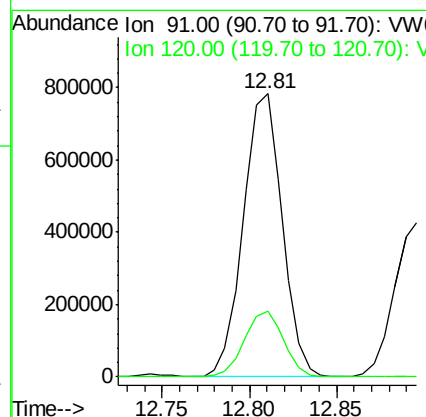
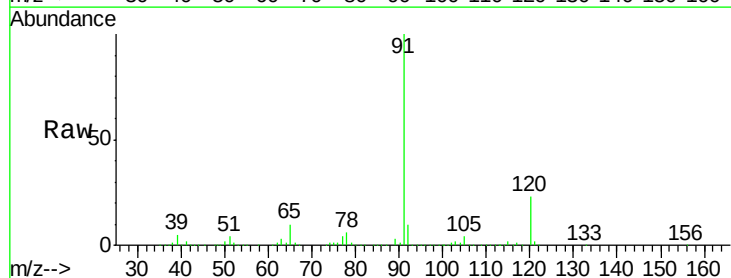
RT: 12.81 min Scan# 1789

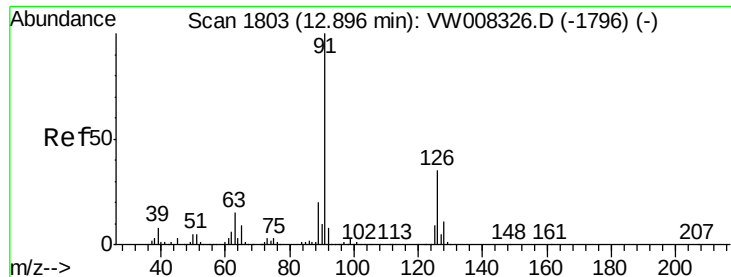
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.7





#79

2-Chlorotoluene

Concen: 155.661 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 675480

Ion Ratio Lower Upper

91 100

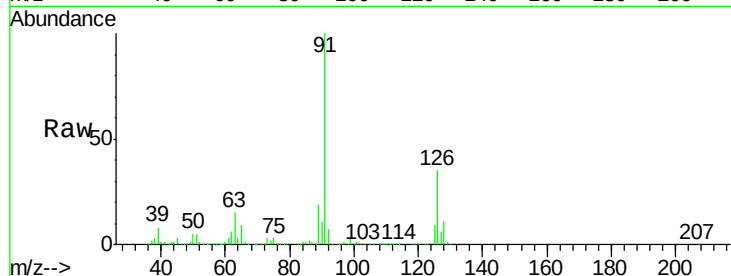
126 35.0 17.5 52.6

Manual Integrations

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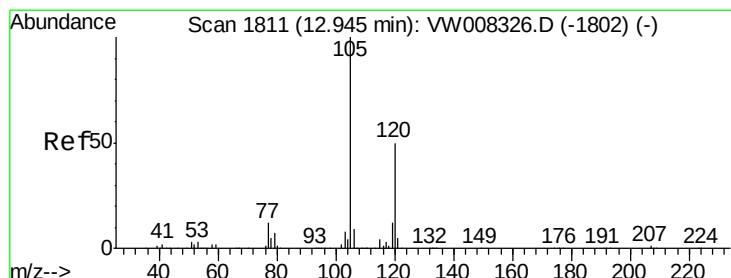
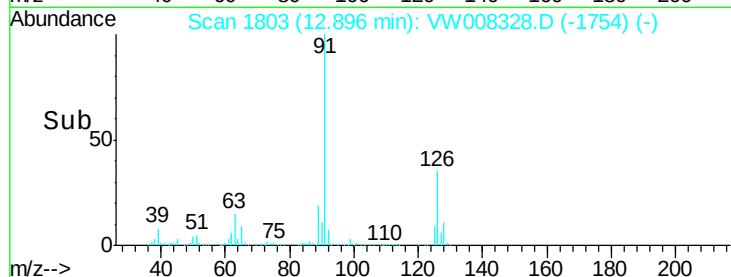
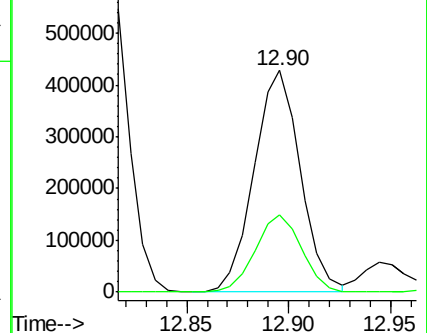
MMDadoda

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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: 156.465 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008328.D

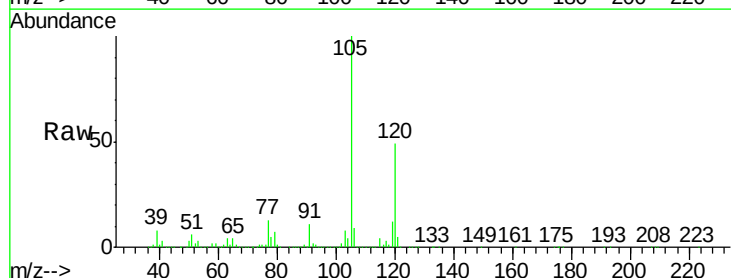
Acq: 17 Jan 2019 14:57

Tgt Ion:105 Resp: 819281

Ion Ratio Lower Upper

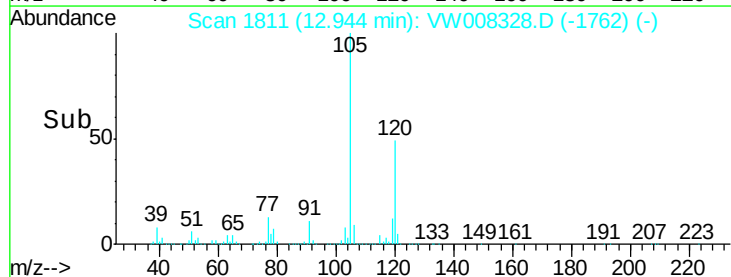
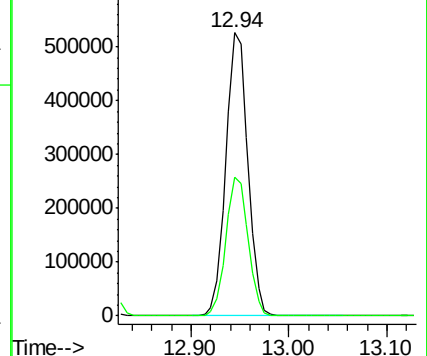
105 100

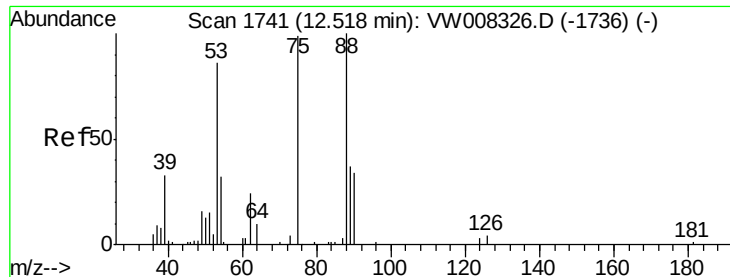
120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





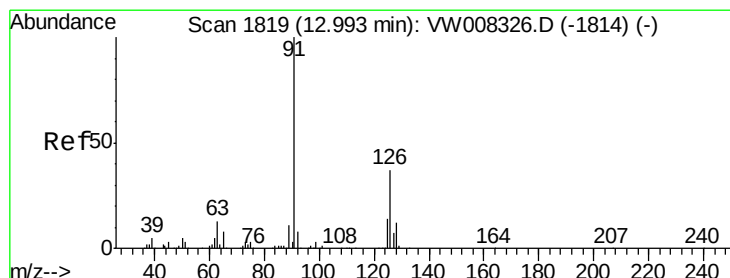
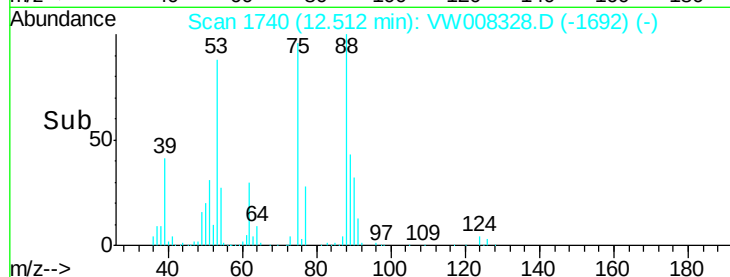
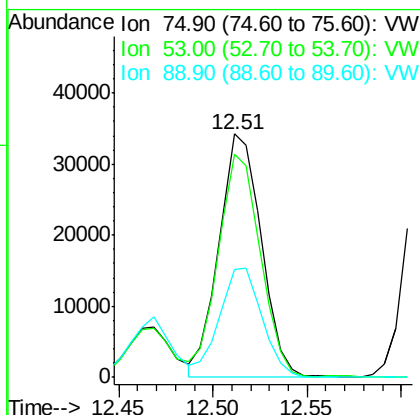
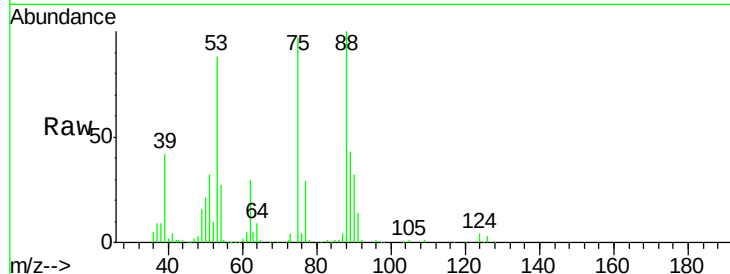
#81
trans-1,4-Dichloro-2-butene
Concen: 160.993 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	76.2	114.4
89	45.7	36.7	55.1

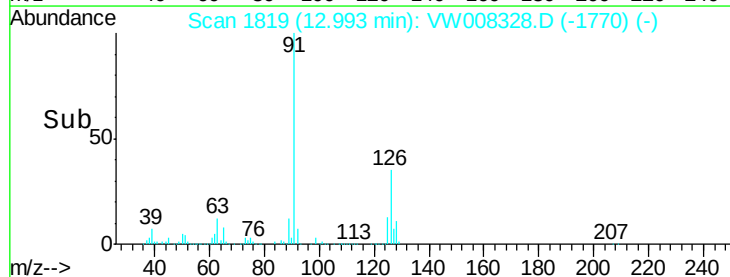
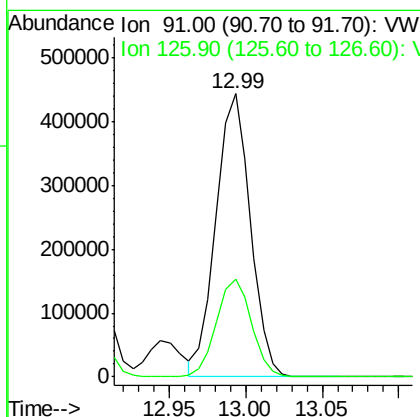
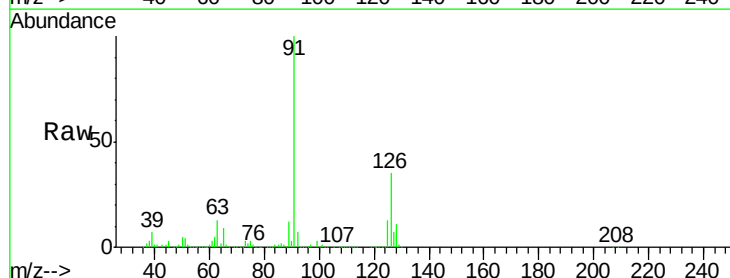
Manual Integrations
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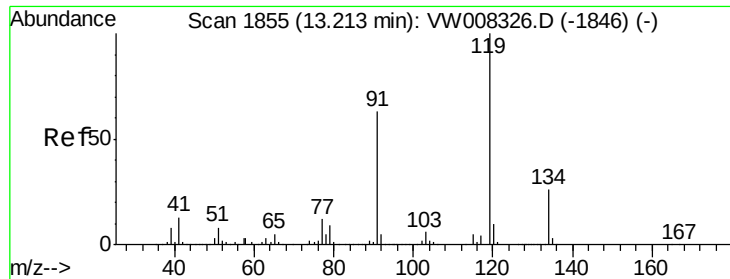
MMDadoda
1/18/2019 2:09:49 PM



#82
4-Chlorotoluene
Concen: 152.863 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





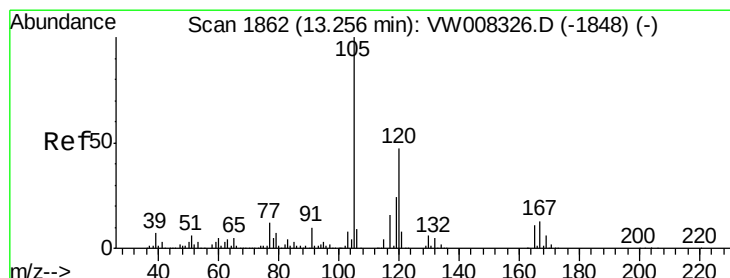
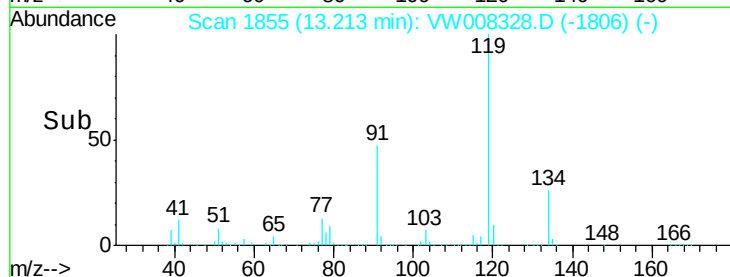
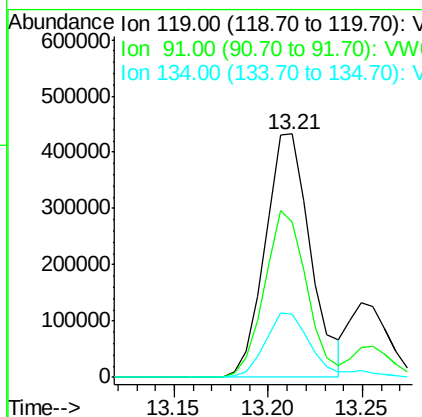
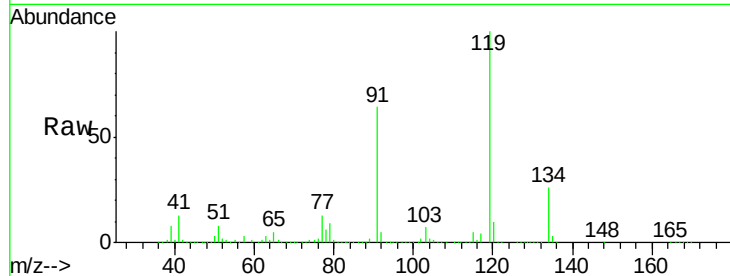
#83
 tert-Butylbenzene
 Concen: 156.973 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	723435		
91	63.7		32.4	97.0
134	27.5		13.9	41.7

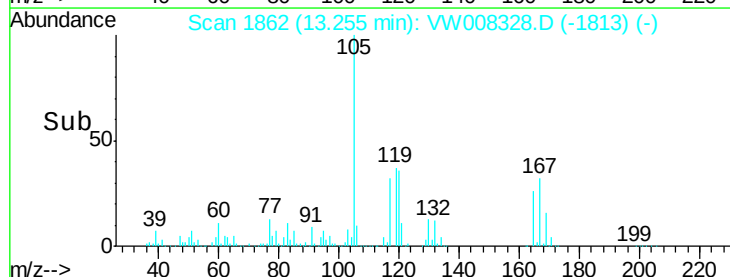
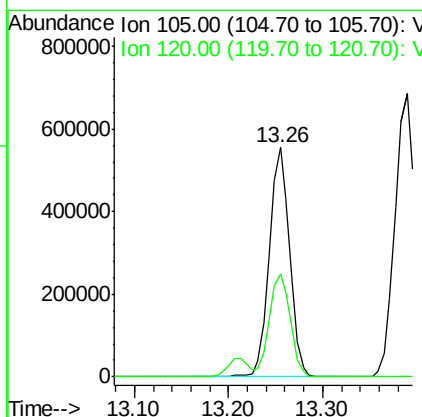
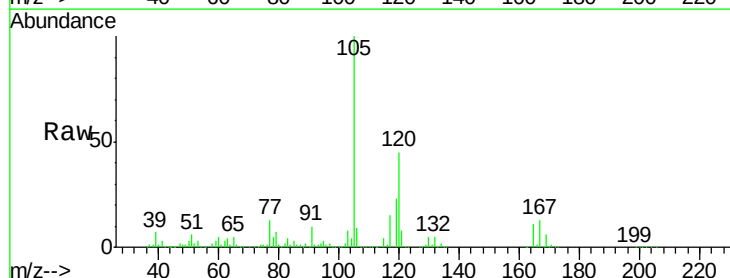
Manual Integrations
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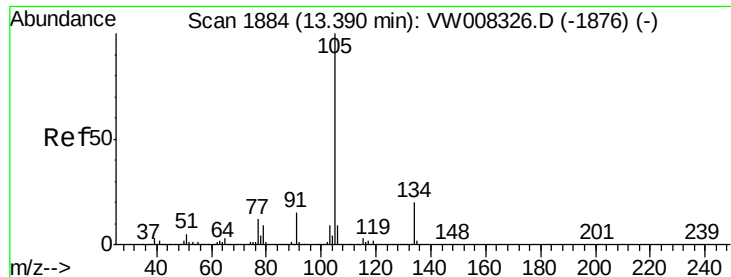
MMDadoda
 1/18/2019 2:09:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 156.947 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	837176		
120	46.5		23.5	70.6





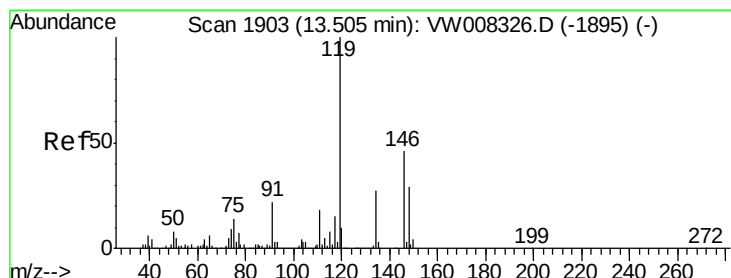
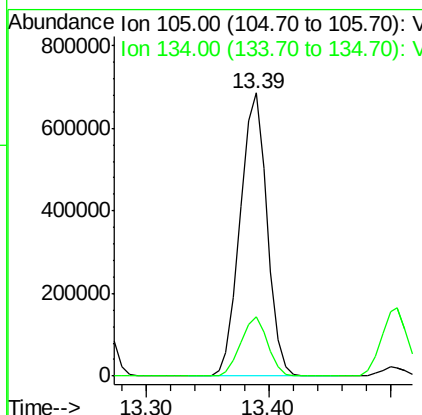
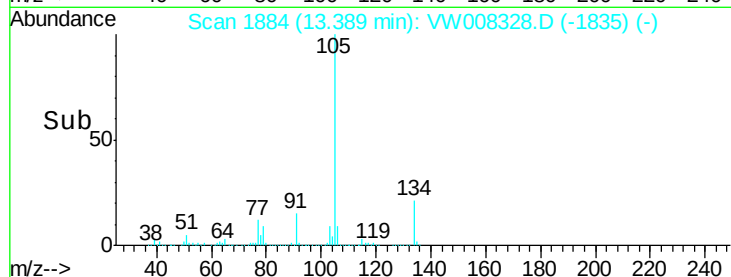
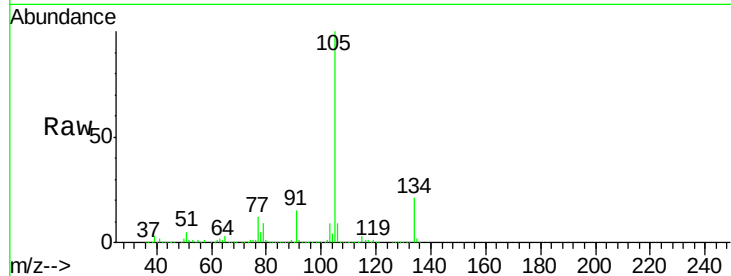
#85
 sec-Butylbenzene
 Concen: 157.370 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1041316
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.1 30.3

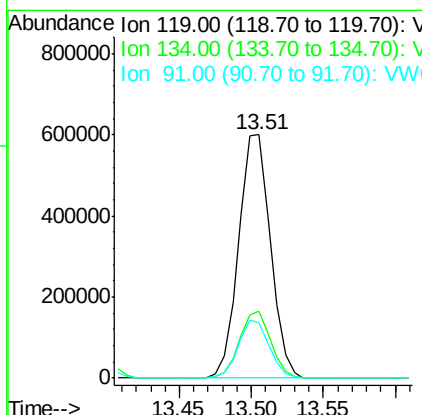
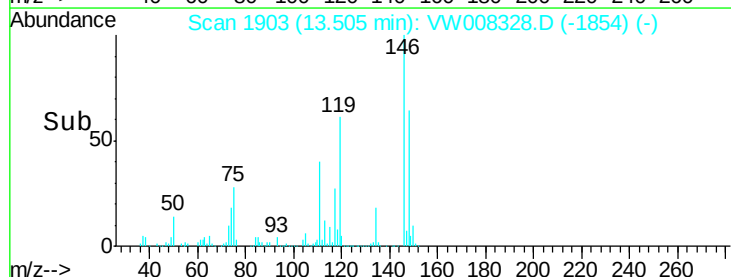
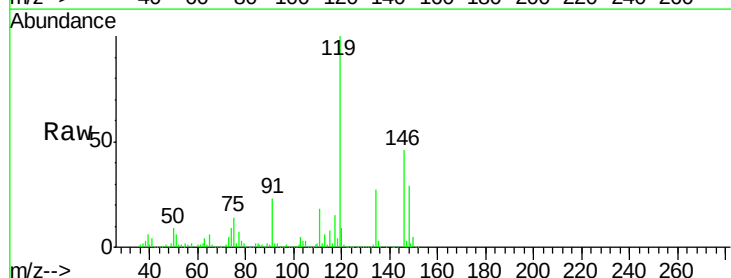
Manual Integrations
 APPROVED

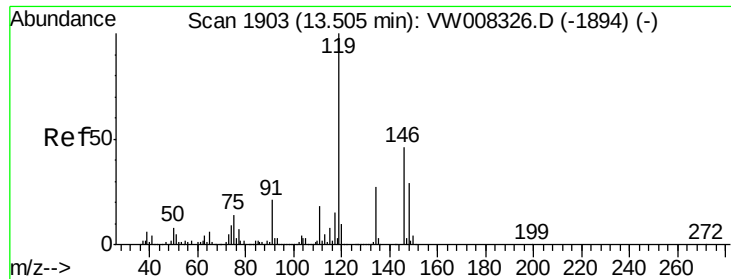
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 158.960 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion:119 Resp: 918685
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.7 41.0
 91 23.2 11.4 34.2





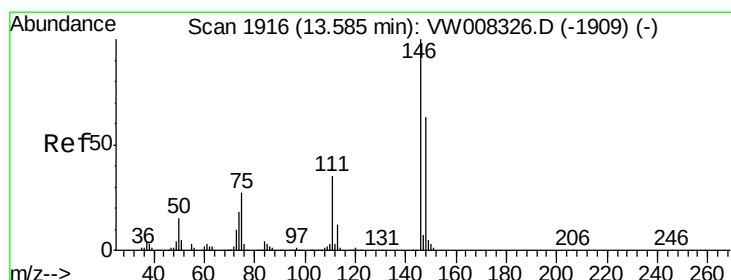
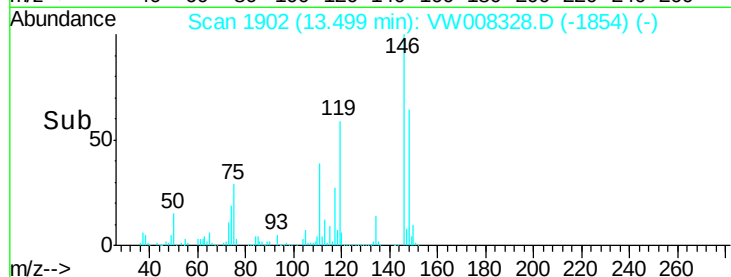
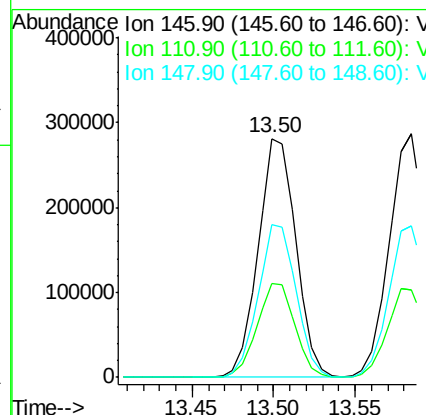
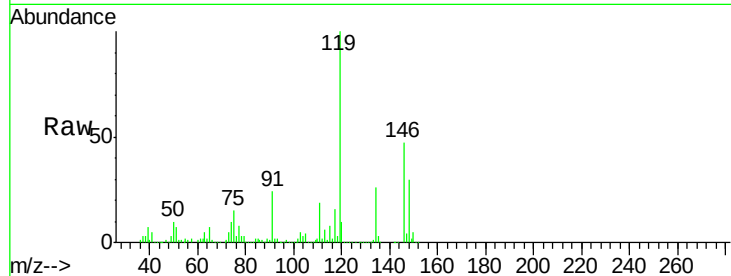
#87
 1,3-Dichlorobenzene
 Concen: 151.315 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	453141		
111	39.6	19.9	59.7	
148	64.5	31.4	94.3	

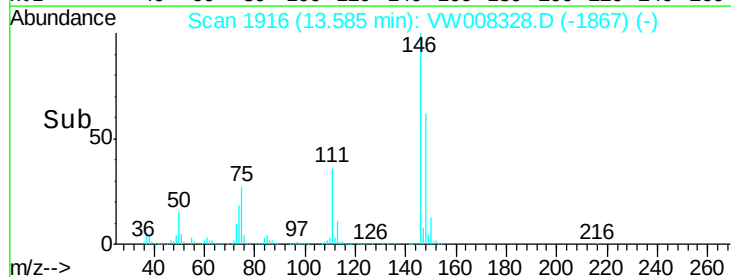
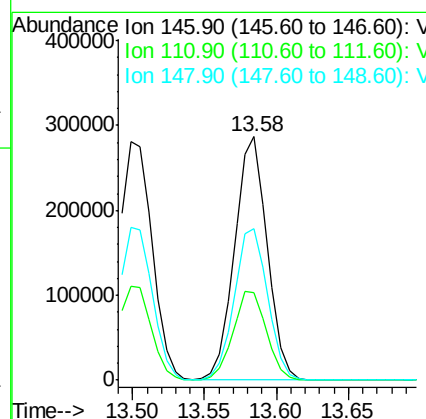
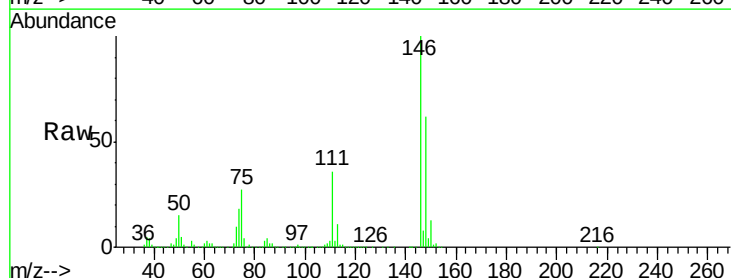
Manual Integrations
 APPROVED

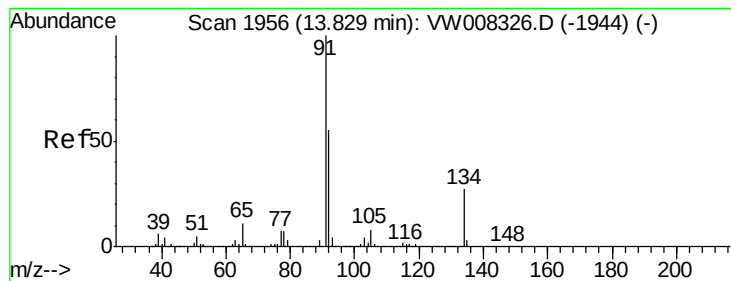
MMDadoda
 1/18/2019 2:09:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 150.886 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	452691		
111	37.6	18.9	56.5	
148	64.1	31.6	94.8	





#89

n-Butylbenzene

Concen: 157.659 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

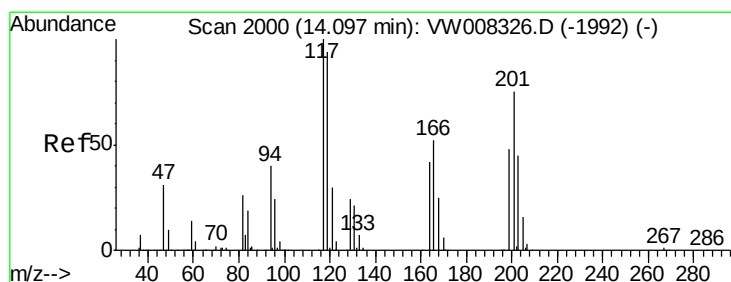
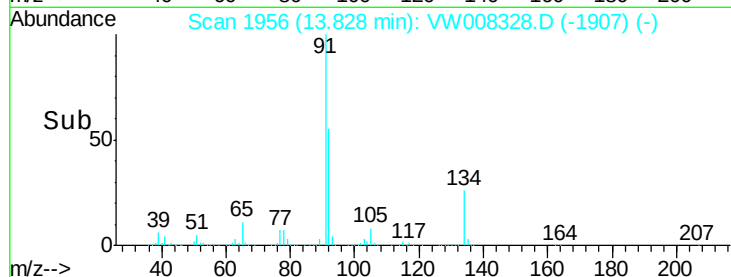
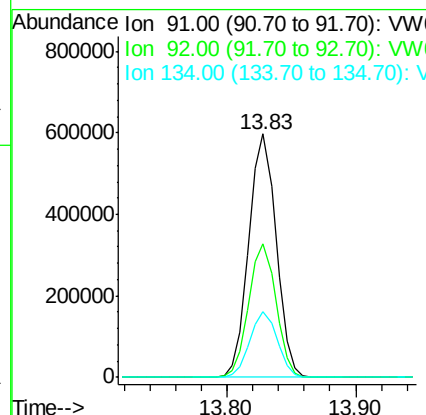
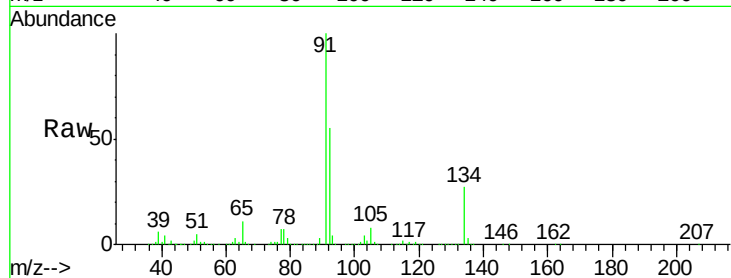
ClientSampleId :

VSTDIC150

Tot Ion:	91	Resp:	874007
Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.6
134	26.9	13.4	40.1

Manual Integrations
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1/18/2019 2:09:49 PM



#90

Hexachloroethane

Concen: 159.232 ug/l

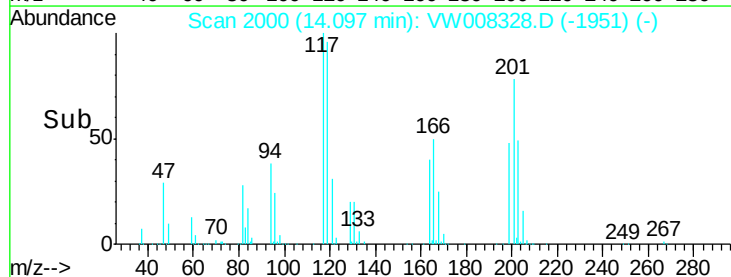
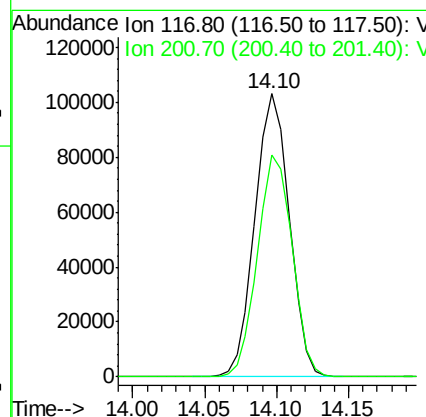
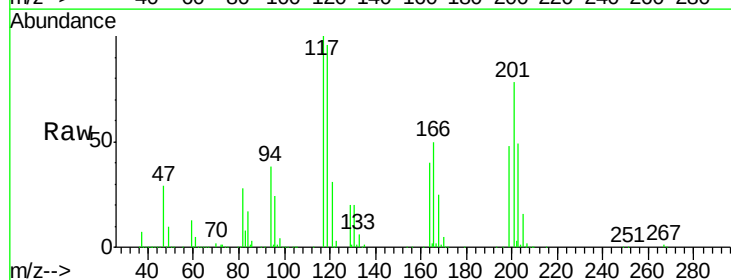
RT: 14.10 min Scan# 2000

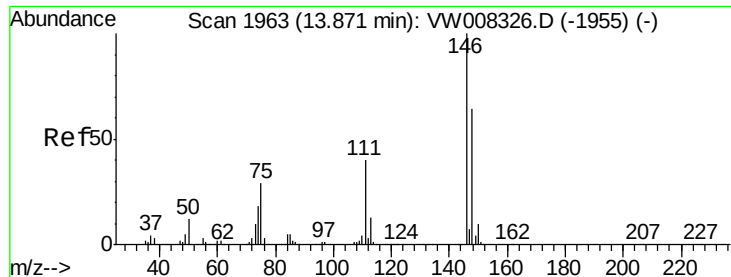
Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion:	117	Resp:	170304
Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.3	117.9





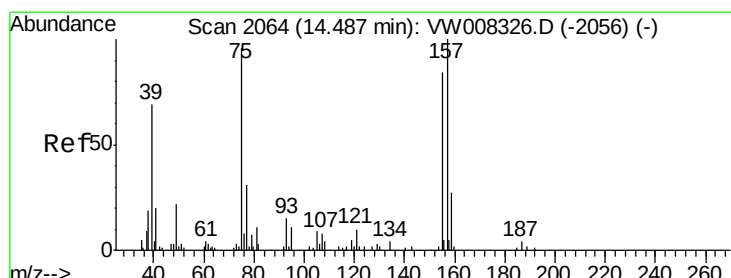
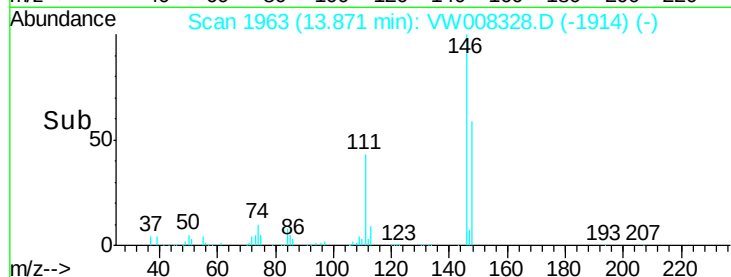
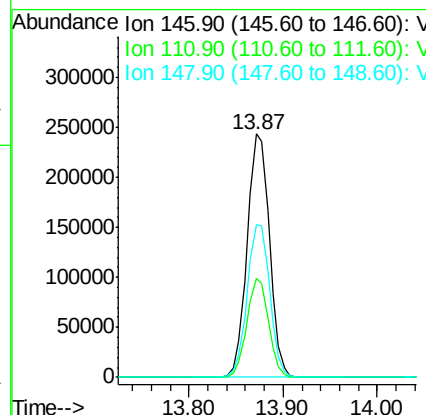
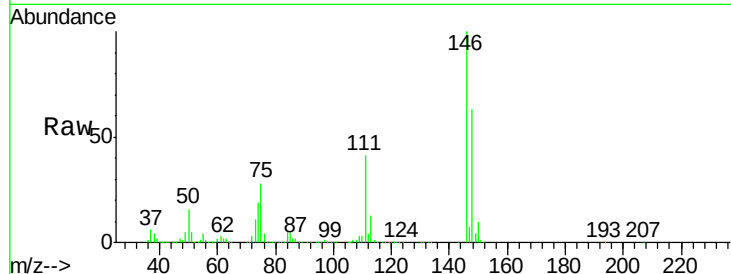
#91
 1,2-Dichlorobenzene
 Concen: 152.354 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	63.7	31.7	95.1

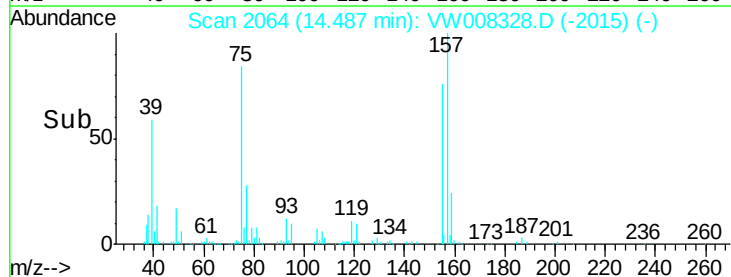
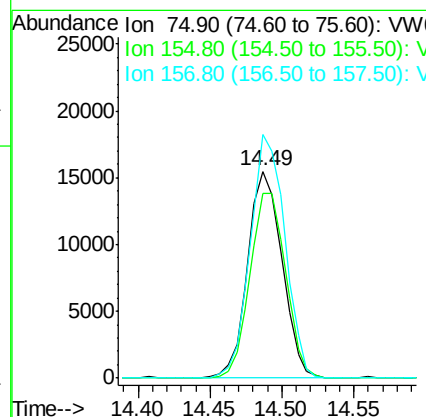
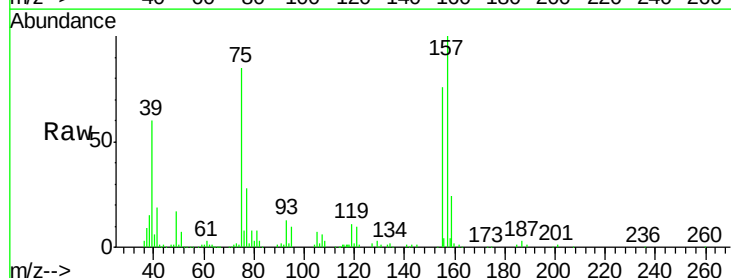
Manual Integrations
 APPROVED

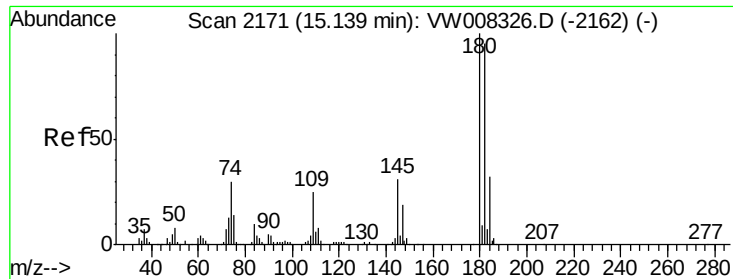
MMDadoda
 1/18/2019 2:09:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.555 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	44.7	134.1
157	118.5	53.9	161.8





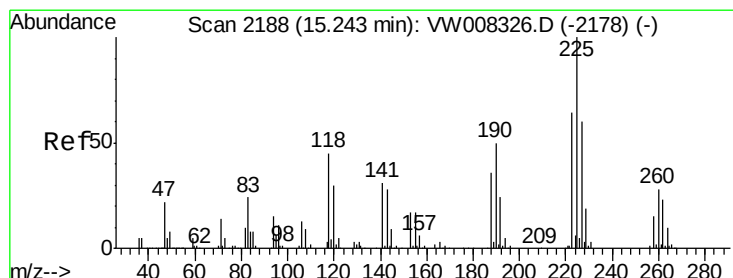
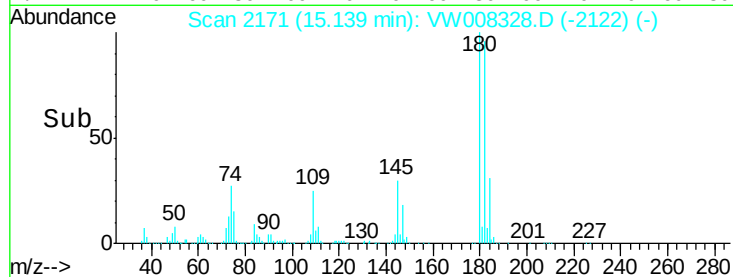
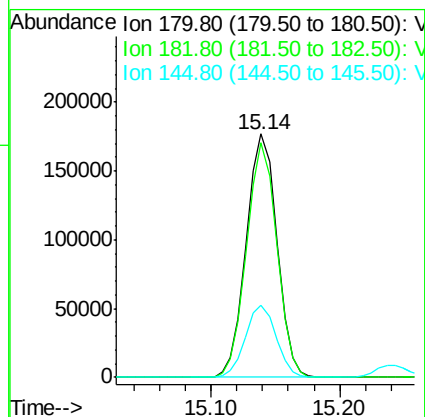
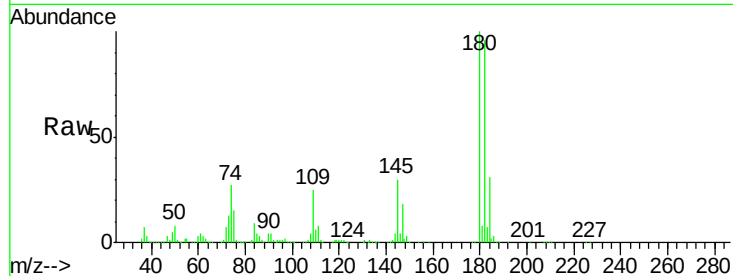
#93
1,2,4-Trichlorobenzene
Concen: 162.582 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290993		
182	94.8	47.6	142.8	
145	29.6	14.8	44.4	

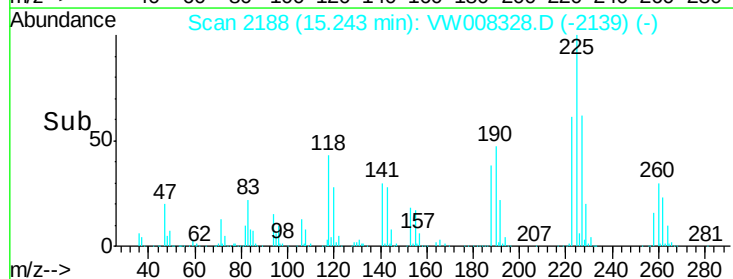
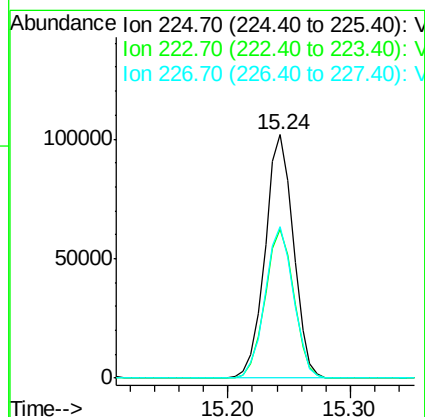
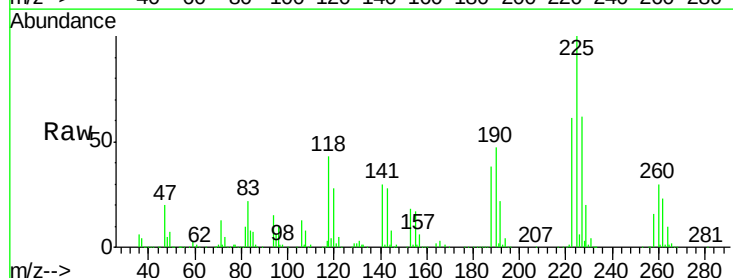
Manual Integrations
APPROVED

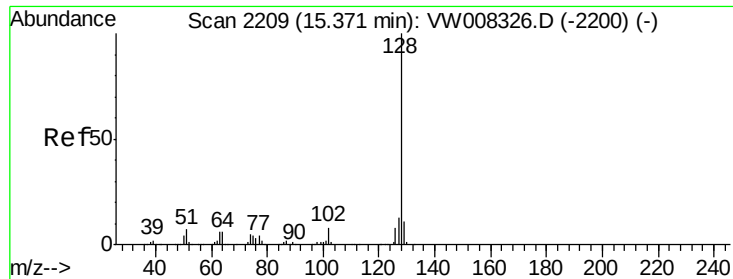
MMDadoda
1/18/2019 2:09:49 PM



#94
Hexachlorobutadiene
Concen: 162.565 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163982		
223	62.0	31.1	93.3	
227	62.4	30.3	90.8	





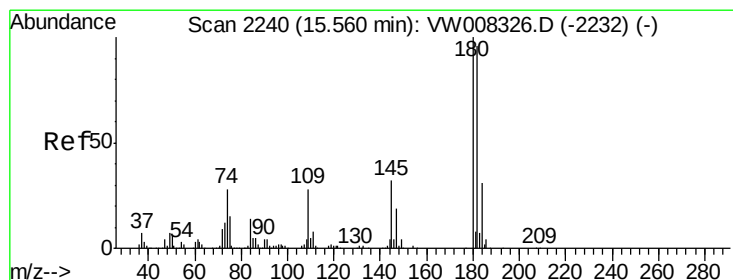
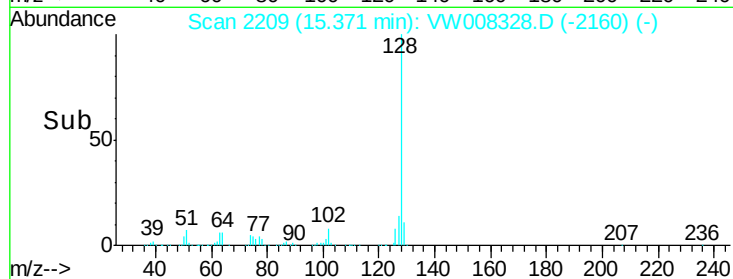
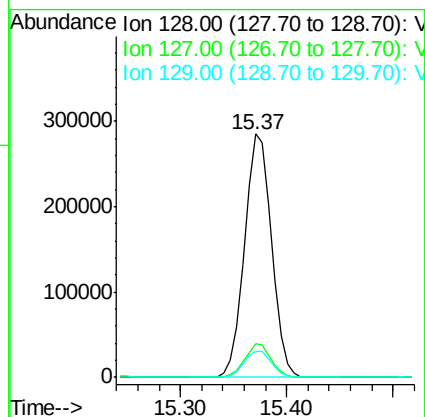
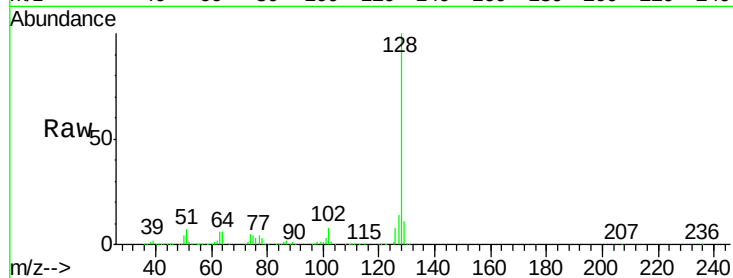
#95
Naphthalene
Concen: 170.167 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
128	100	508937		
127	13.3		10.5	15.7
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:09:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 159.024 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	247914		
182	95.1		47.3	141.9
145	32.0		16.2	48.6

