

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008094.D
 Acq On : 09 Jan 2019 11:00
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 4:50:52 PM

Quant Time: Jan 10 06:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	48707	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.88	113	46649	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	10.32	98	201860	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
62) 4-Bromofluorobenzene	12.62	95	67198	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38189	53.746	ug/l	99
3) Chloromethane	2.21	50	47053	51.043	ug/l	99
4) Vinyl Chloride	2.37	62	61431	51.060	ug/l	97
5) Bromomethane	2.79	94	40956	45.442	ug/l	97
6) Chloroethane	2.93	64	39624	43.767	ug/l	98
7) Trichlorofluoromethane	3.26	101	49247	50.349	ug/l	93
8) Diethyl Ether	3.68	74	25249	45.662	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47453	48.864	ug/l	98
10) Methyl Iodide	4.26	142	68724	48.557	ug/l	99
11) Tert butyl alcohol	5.23	59	13334	219.049	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	47082	49.381	ug/l	95
13) Acrolein	3.90	56	18743	287.939	ug/l	97
14) Allyl chloride	4.67	41	87128	50.332	ug/l	99
15) Acrylonitrile	5.37	53	46060	218.794	ug/l	99
16) Acetone	4.14	43	47630	272.721	ug/l	93
17) Carbon Disulfide	4.37	76	149580	50.221	ug/l	100
18) Methyl Acetate	4.67	43	28822	46.604	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	68784	44.376	ug/l #	89
20) Methylene Chloride	4.91	84	47062	48.727	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51136	49.354	ug/l	98
22) Diisopropyl ether	6.31	45	158451	47.995	ug/l	97
23) Vinyl Acetate	6.26	43	403500	232.712	ug/l	99
24) 1,1-Dichloroethane	6.21	63	92371	48.020	ug/l	97
25) 2-Butanone	7.18	43	61138	224.563	ug/l	98
26) 2,2-Dichloropropane	7.16	77	62319	47.813	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	53050	46.928	ug/l	100
28) Bromochloromethane	7.51	49	37195	48.886	ug/l	97
29) Tetrahydrofuran	7.54	42	39419	216.753	ug/l	98
30) Chloroform	7.68	83	86505	47.245	ug/l	95
31) Cyclohexane	7.95	56	95192	46.226	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	75734	47.537	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75631	50.564	ug/l	99
37) Ethyl Acetate	7.26	43	27157	45.319	ug/l	99
38) Carbon Tetrachloride	8.07	117	69657	50.880	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96299	50.775	ug/l	96
40) Benzene	8.32	78	205258	50.594	ug/l	98
41) Methacrylonitrile	7.48	41	16795	44.368	ug/l	93
42) 1,2-Dichloroethane	8.40	62	51996	45.569	ug/l	98
43) Isopropyl Acetate	8.43	43	55081	45.973	ug/l	99
44) Trichloroethene	9.09	130	52779	50.821	ug/l	99
45) 1,2-Dichloropropane	9.37	63	50694	50.395	ug/l	98
46) Dibromomethane	9.46	93	22940	46.435	ug/l	96
47) Bromodichloromethane	9.65	83	61759	49.233	ug/l	97
48) Methyl methacrylate	9.44	41	26588	47.030	ug/l	97
49) 1,4-Dioxane	9.49	88	7319	921.231	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	128377	221.356	ug/l	99
52) Toluene	10.39	92	128196	49.479	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	62963	48.254	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	76501	49.442	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32681	47.117	ug/l	99
56) Ethyl methacrylate	10.65	69	40391	47.022	ug/l	99
57) 1,3-Dichloropropane	10.93	76	59614	46.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	98076	221.040	ug/l	100
59) 2-Hexanone	10.97	43	93110	237.408	ug/l	98
60) Dibromochloromethane	11.13	129	37702	49.500	ug/l	100
61) 1,2-Dibromoethane	11.24	107	30910	46.966	ug/l	99
64) Tetrachloroethene	10.86	164	43360	50.720	ug/l	96
65) Chlorobenzene	11.66	112	135732	48.773	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45061	49.782	ug/l	97
67) Ethyl Benzene	11.73	91	250350	49.165	ug/l	97
68) m/p-Xylenes	11.84	106	193026	99.315	ug/l	97
69) o-Xylene	12.17	106	89868	49.931	ug/l	97
70) Styrene	12.18	104	142045	50.386	ug/l	99
71) Bromoform	12.35	173	20296	50.100	ug/l #	98
73) Isopropylbenzene	12.47	105	247587	49.742	ug/l	99
74) N-amyl acetate	12.27	43	52204	47.360	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	34897	43.802	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	26303m	45.511	ug/l	
77) Bromobenzene	12.75	156	51472	48.941	ug/l	92
78) n-propylbenzene	12.81	91	301901	49.502	ug/l	100
79) 2-Chlorotoluene	12.90	91	163668	48.102	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	203006	49.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11251	45.333	ug/l	98
82) 4-Chlorotoluene	12.99	91	172338	48.091	ug/l	98
83) tert-Butylbenzene	13.21	119	178799	49.411	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	205585	48.733	ug/l	99
85) sec-Butylbenzene	13.39	105	263427	49.697	ug/l	99
86) p-Isopropyltoluene	13.51	119	227254	49.647	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	105781	49.582	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	103863	48.523	ug/l	98
89) n-Butylbenzene	13.83	91	224321	50.037	ug/l	99
90) Hexachloroethane	14.10	117	39200	50.702	ug/l	92
91) 1,2-Dichlorobenzene	13.88	146	90448	48.240	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5612	43.770	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	64010	51.420	ug/l	94
94) Hexachlorobutadiene	15.24	225	36268	54.434	ug/l	98
95) Naphthalene	15.38	128	107766	46.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	51882	48.891	ug/l	98

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

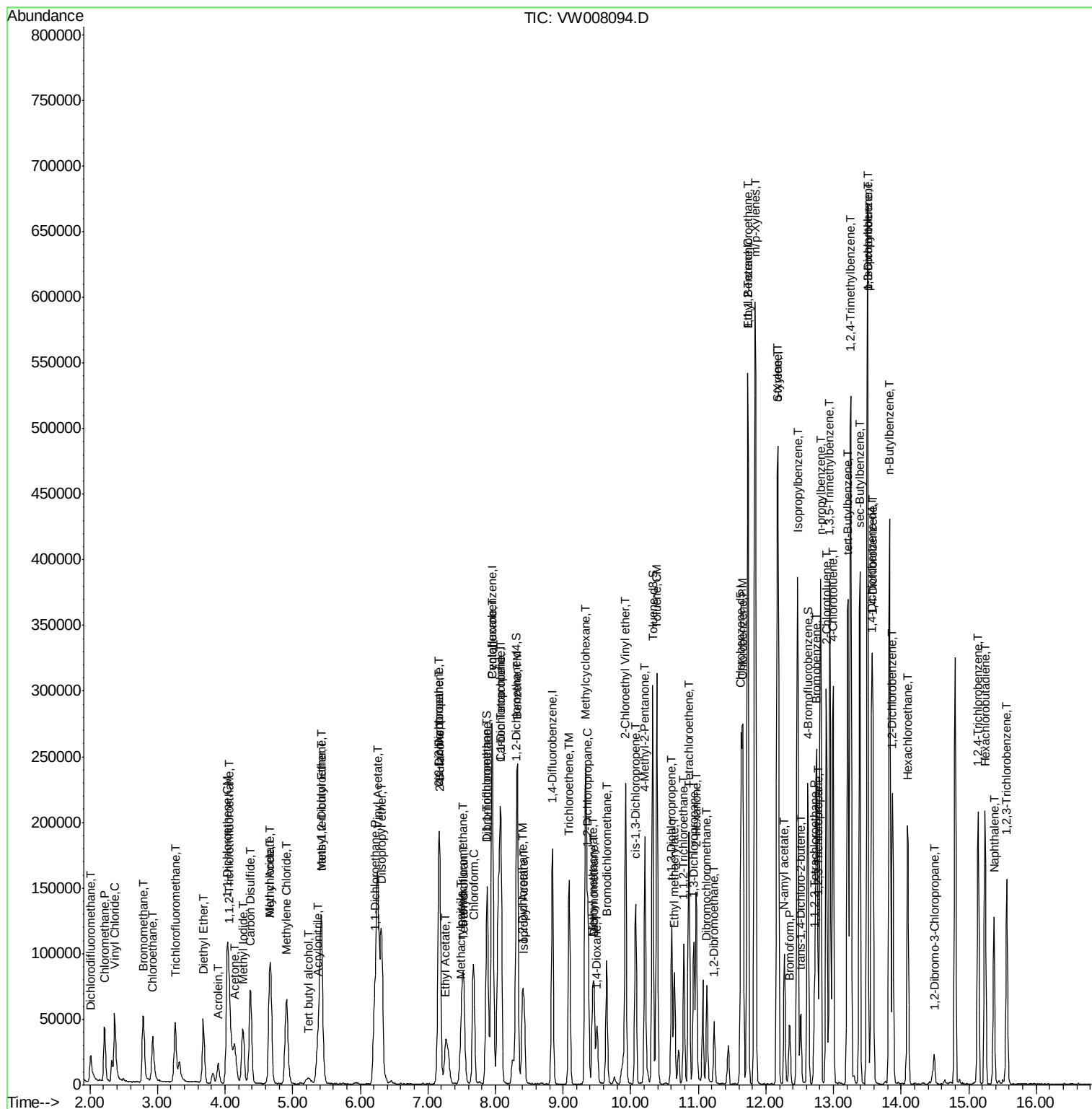
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 Data File : VW008094.D
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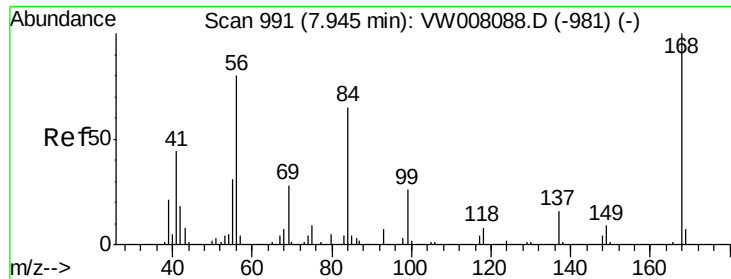
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 87063

Ion Ratio Lower Upper

168 100

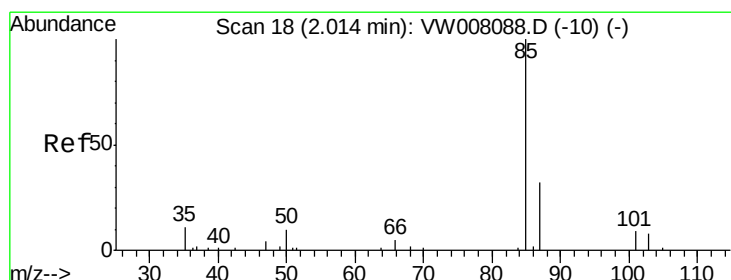
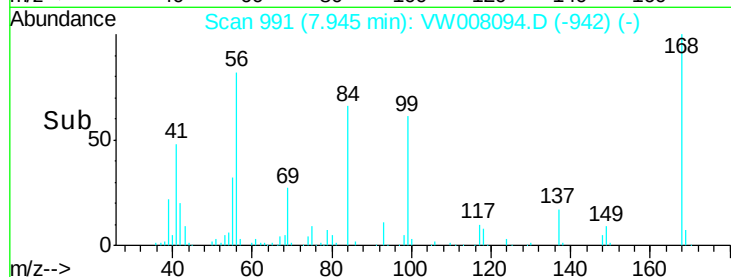
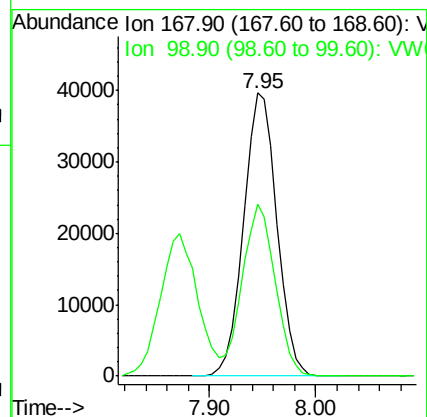
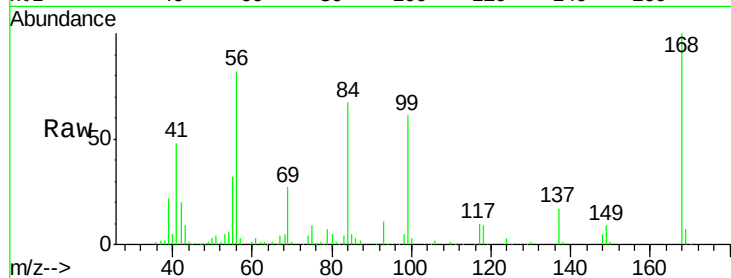
99 60.7 52.6 78.8

Manual Integrations

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1/10/2019 4:50:52 PM



#2

Dichlorodifluoromethane

Concen: 53.746 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008094.D

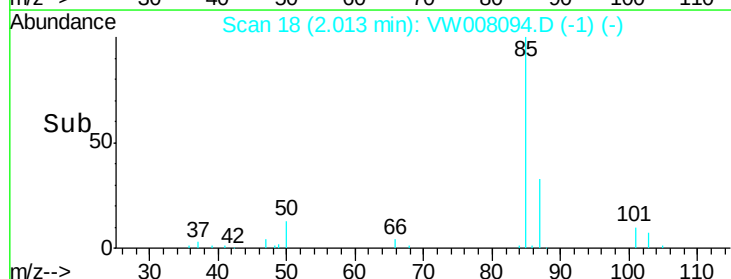
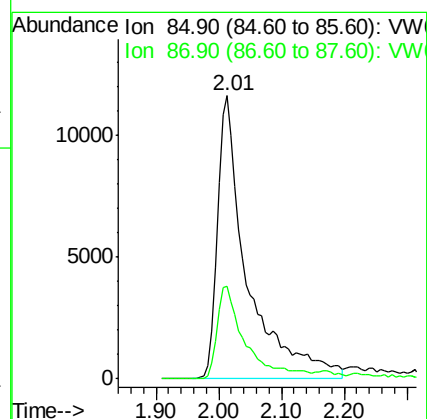
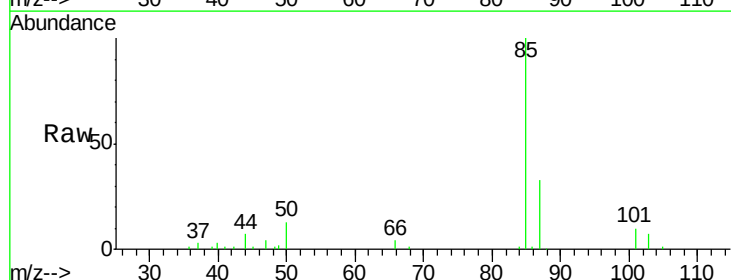
Acq: 09 Jan 2019 11:00

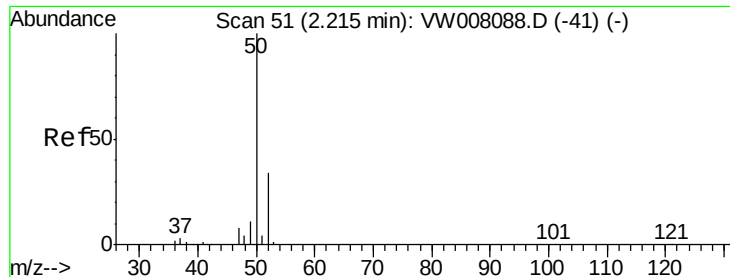
Tgt Ion: 85 Resp: 38189

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3





#3

Chloromethane

Concen: 51.043 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 47053

Ion Ratio Lower Upper

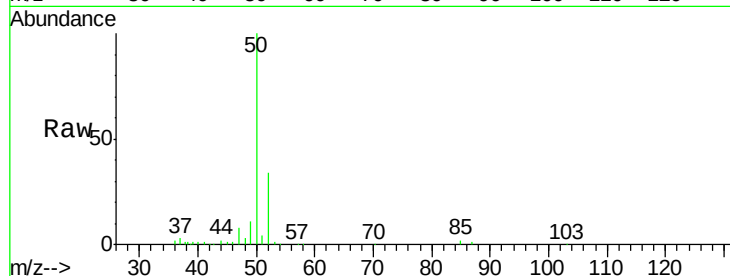
50 100

52 34.3 26.8 40.2

Manual Integrations
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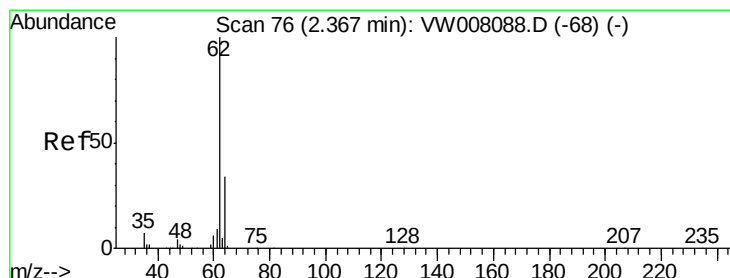
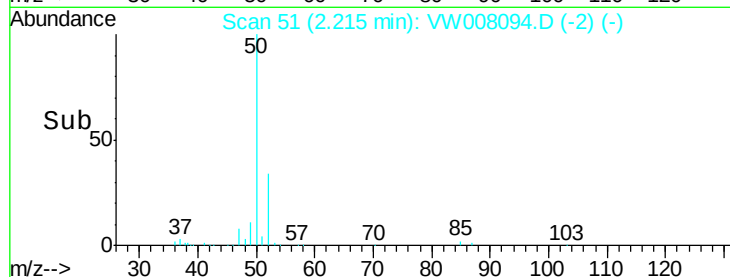
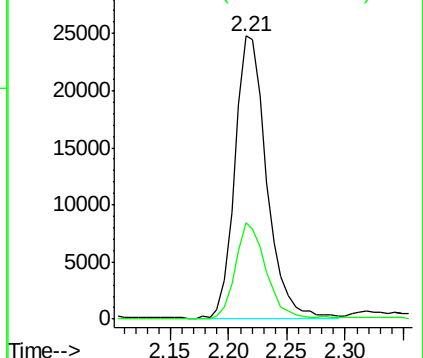
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.060 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008094.D

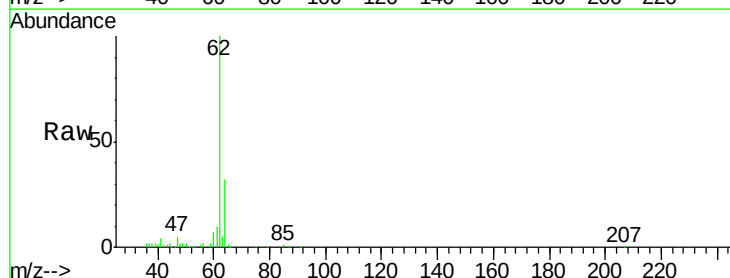
Acq: 09 Jan 2019 11:00

Tgt Ion: 62 Resp: 61431

Ion Ratio Lower Upper

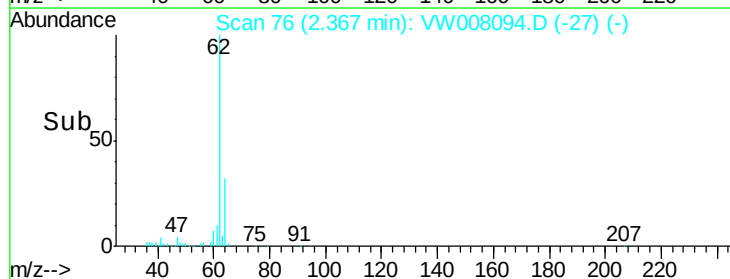
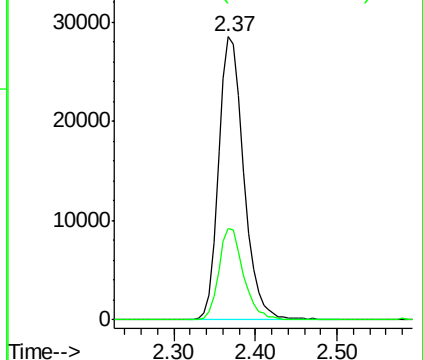
62 100

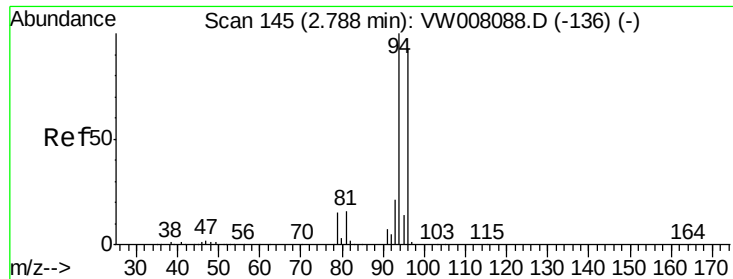
64 32.1 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 45.442 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 40956

Ion Ratio Lower Upper

94 100

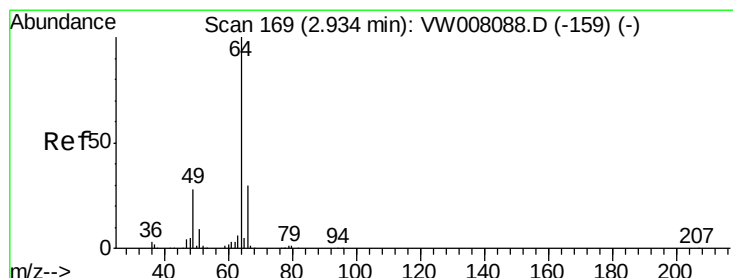
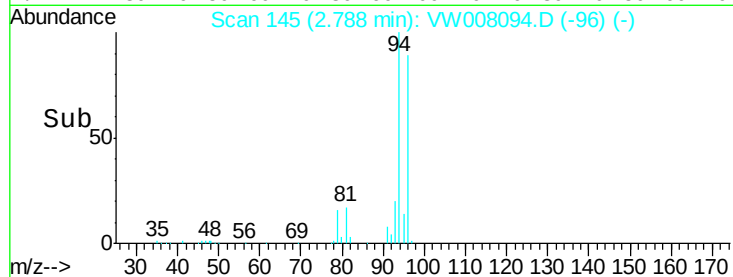
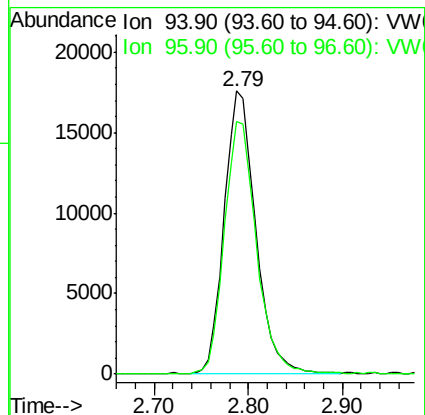
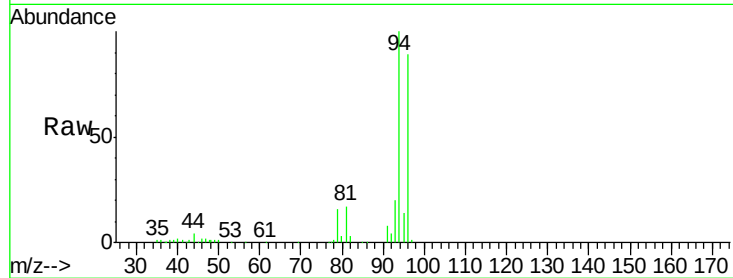
96 89.3 74.1 111.1

Manual Integrations

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1/10/2019 4:50:52 PM



#6

Chloroethane

Concen: 43.767 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008094.D

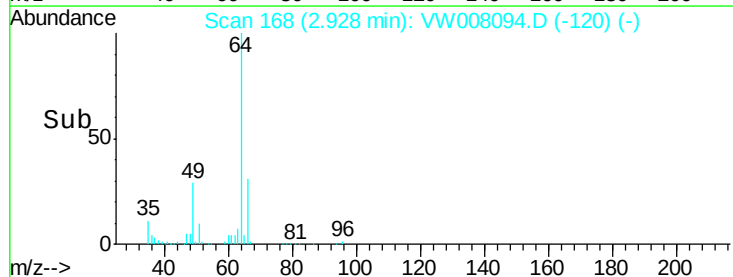
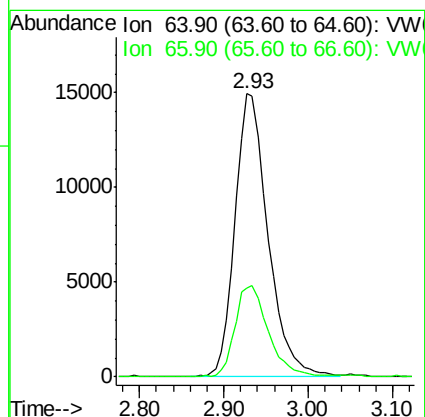
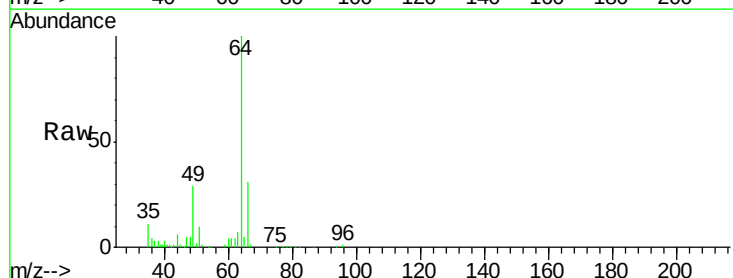
Acq: 09 Jan 2019 11:00

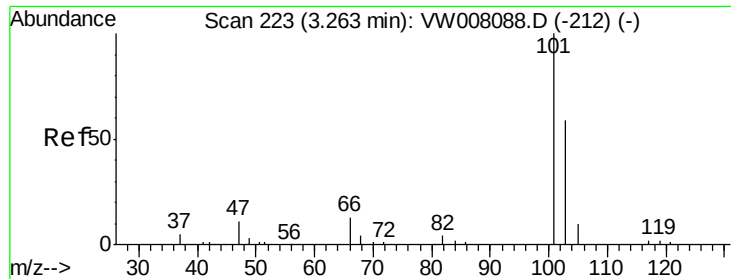
Tgt Ion: 64 Resp: 39624

Ion Ratio Lower Upper

64 100

66 31.3 24.2 36.2





#7

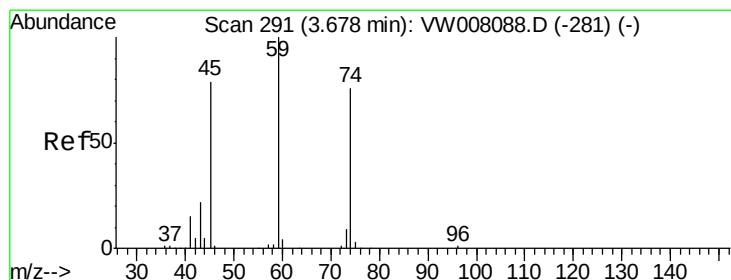
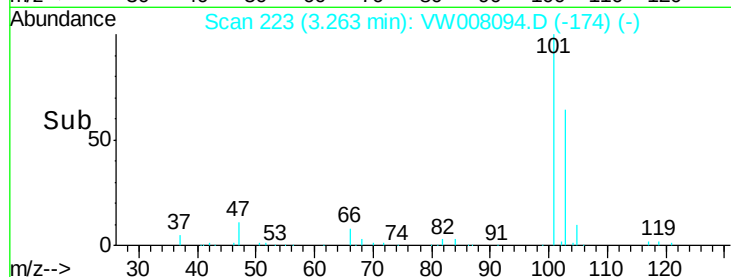
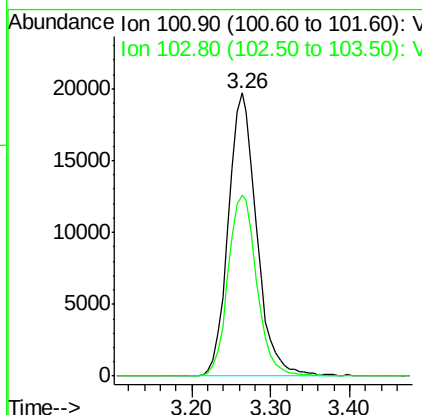
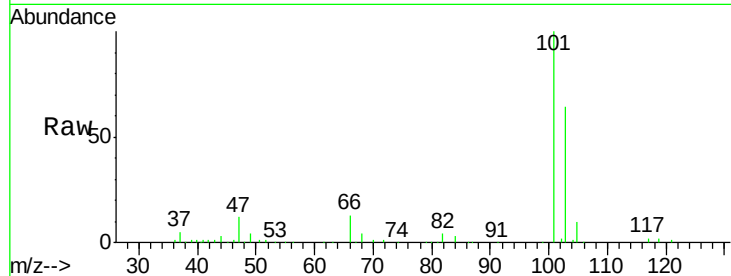
Trichlorofluoromethane
 Concen: 50.349 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 49247
 Ion Ratio Lower Upper
 101 100
 103 63.9 47.0 70.6

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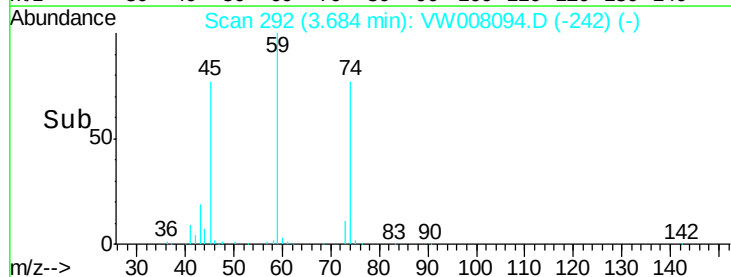
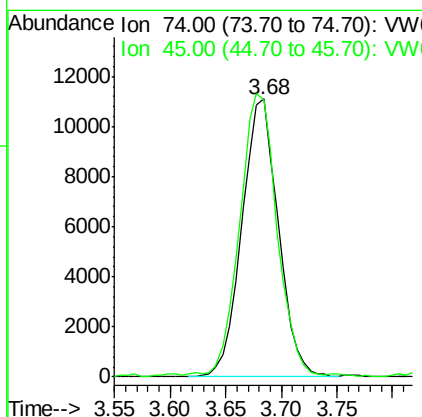
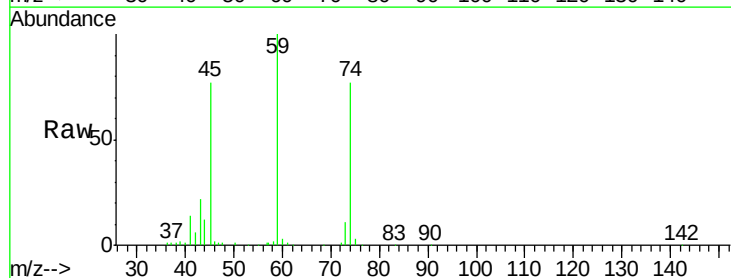
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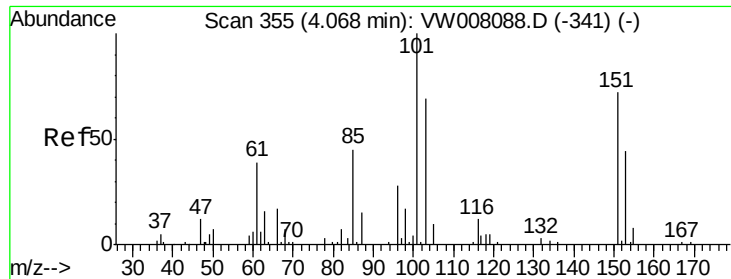


#8

Diethyl Ether
 Concen: 45.662 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion: 74 Resp: 25249
 Ion Ratio Lower Upper
 74 100
 45 103.1 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.864 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008094.D

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Instrument :

MSVOA_W

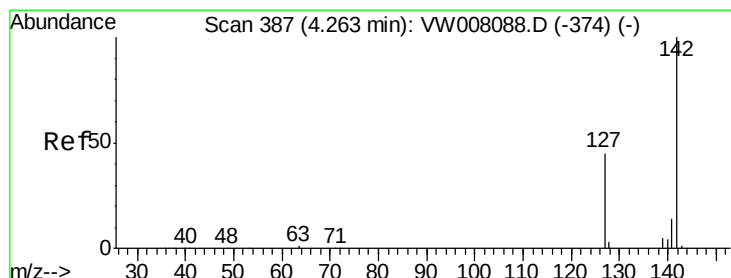
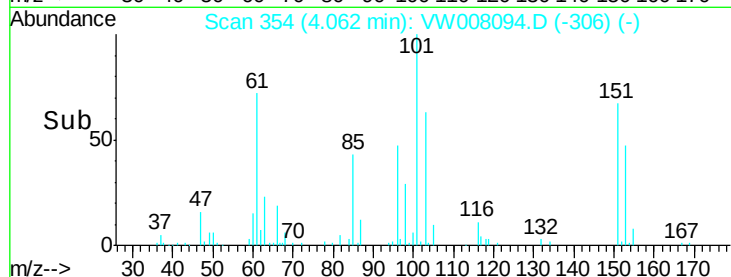
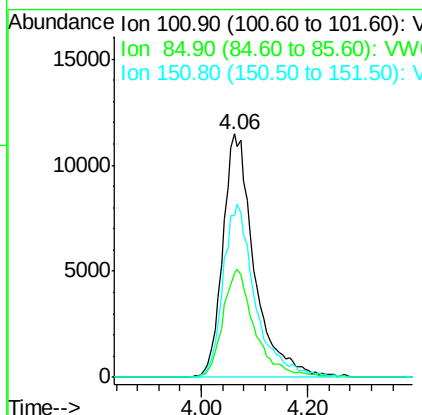
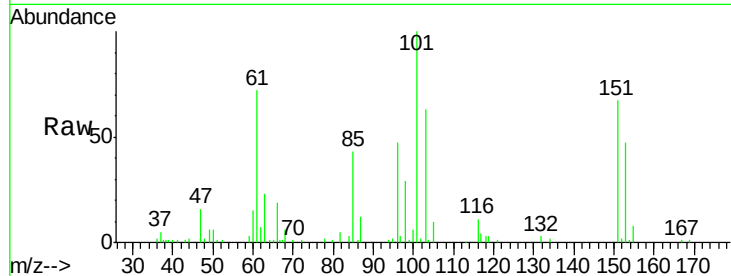
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	47453
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.9	53.9
151	72.2	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 48.557 ug/l

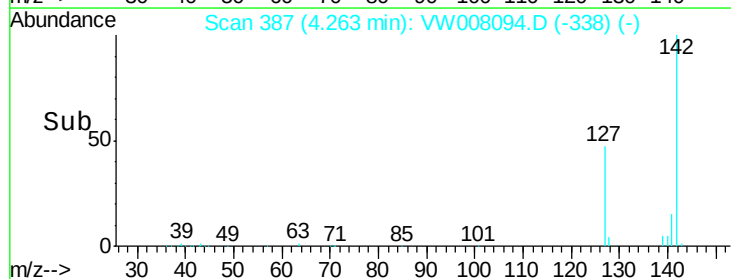
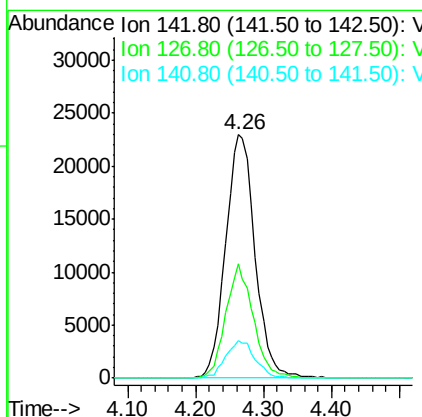
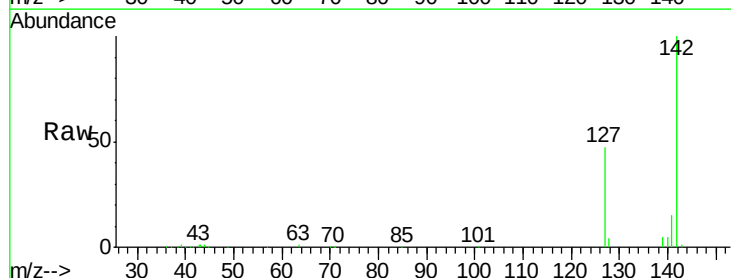
RT: 4.26 min Scan# 387

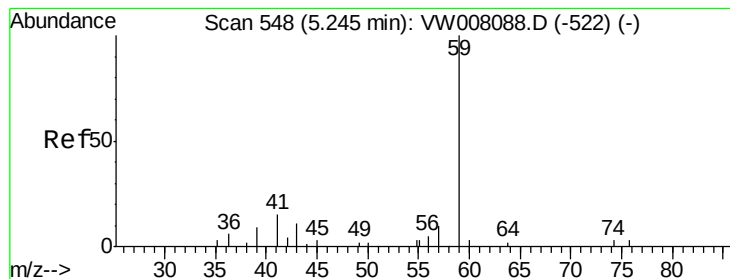
Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion:	142	Resp:	68724
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.0	52.4
141	15.2	11.8	17.6





#11

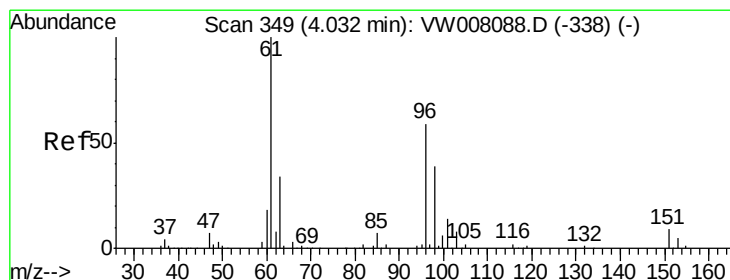
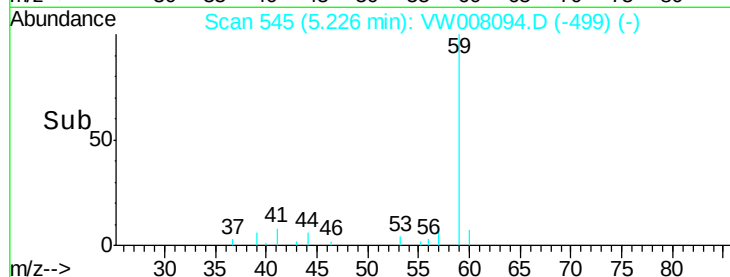
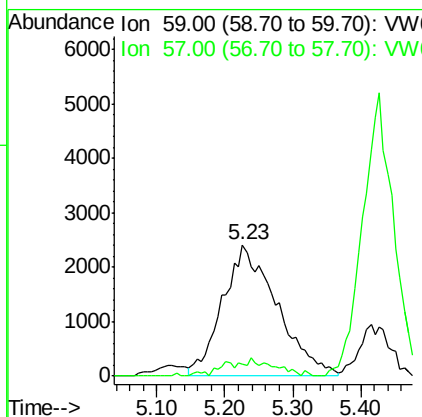
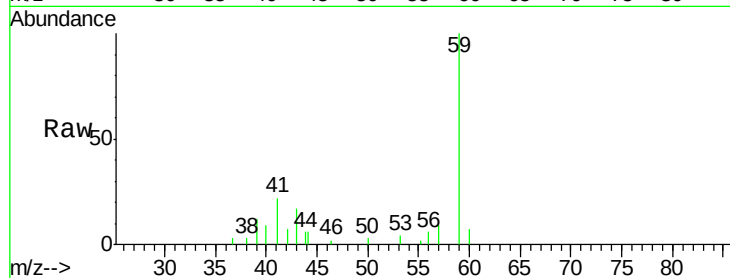
Tert butyl alcohol
 Concen: 219.049 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

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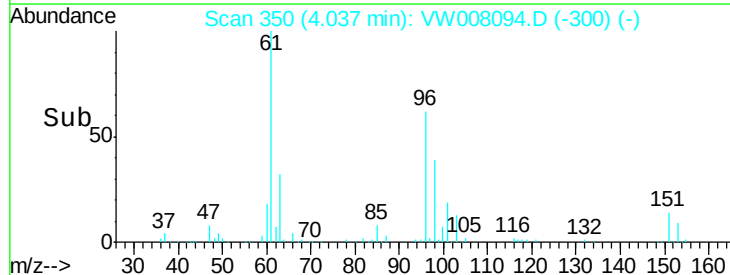
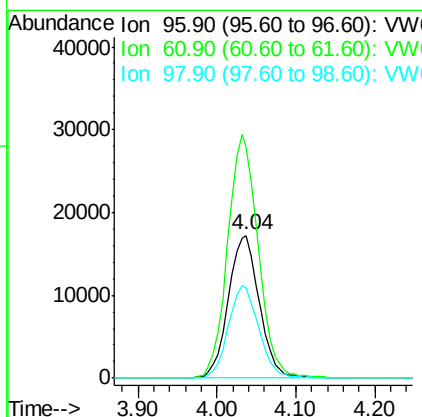
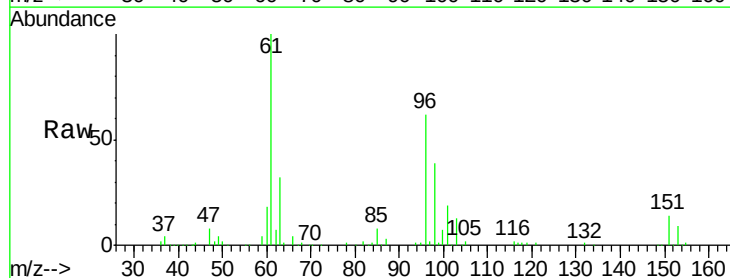
MMDadoda
 1/10/2019 4:50:52 PM

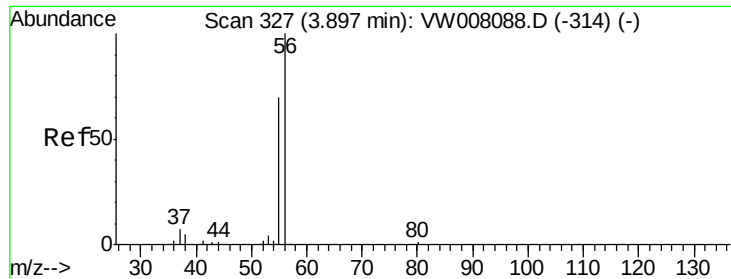


#12

1,1-Dichloroethene
 Concen: 49.381 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	135.4	203.2
98	63.1	52.5	78.7





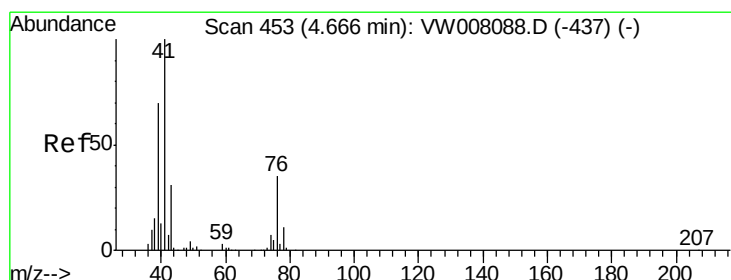
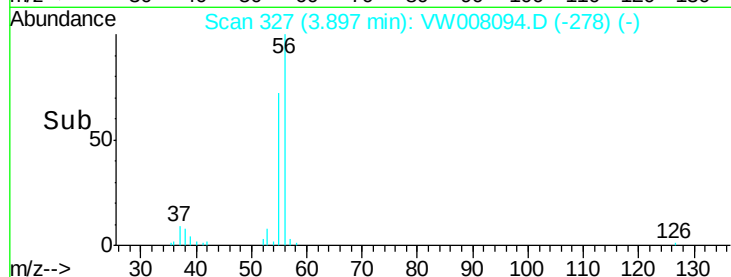
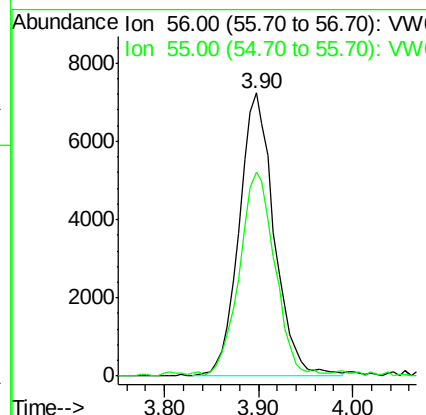
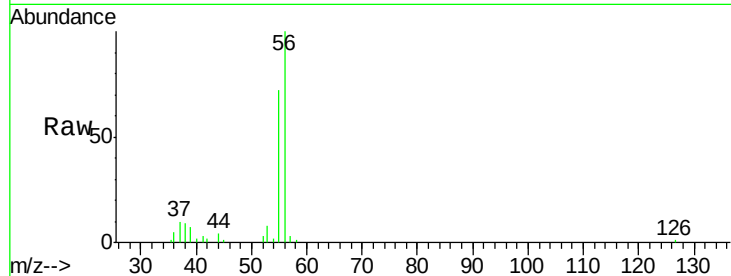
#13
Acrolein
Concen: 287.939 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	18743
Ion Ratio	100	Lower	Upper
55	73.0	56.6	84.8

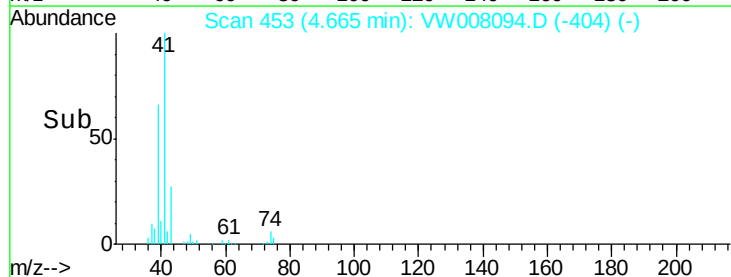
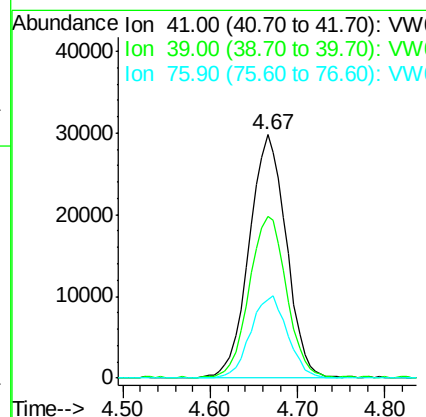
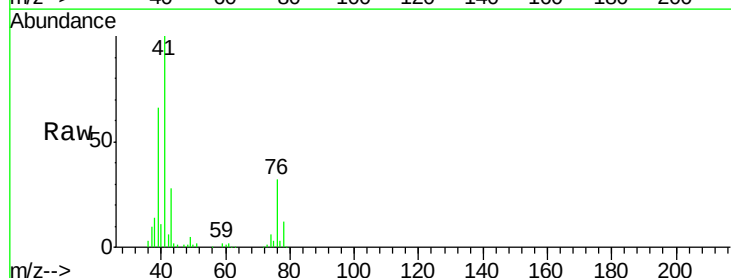
Manual Integrations
APPROVED

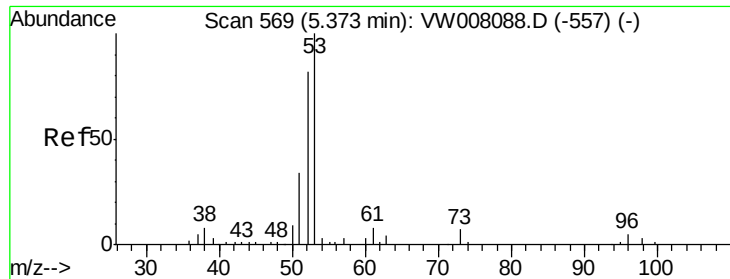
MMDadoda
1/10/2019 4:50:52 PM



#14
Allyl chloride
Concen: 50.332 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	41	Resp	87128
Ion Ratio	100	Lower	Upper
39	66.5	53.8	80.8
76	33.9	27.6	41.4





#15

Acrylonitrile

Concen: 218.794 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

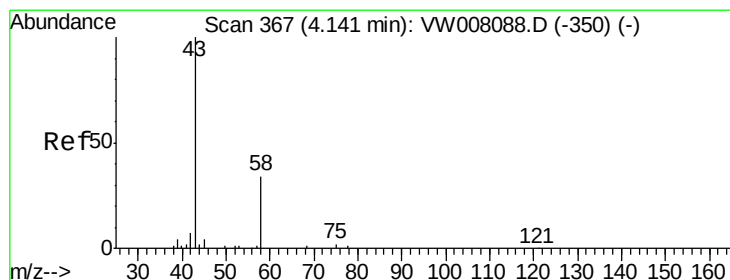
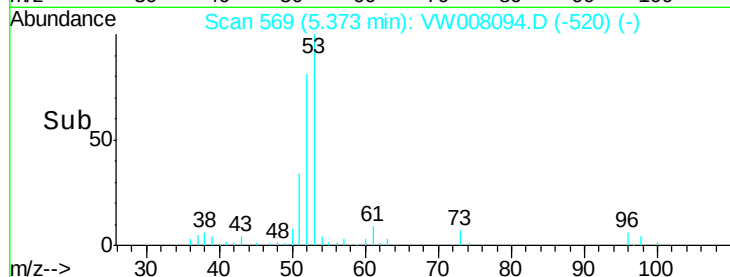
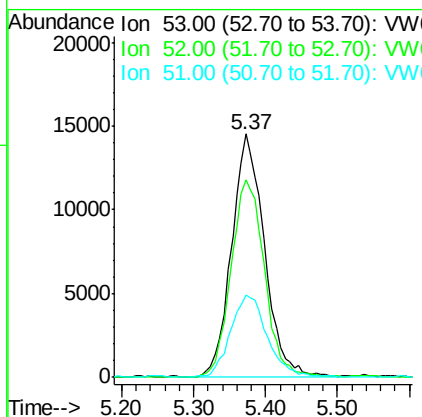
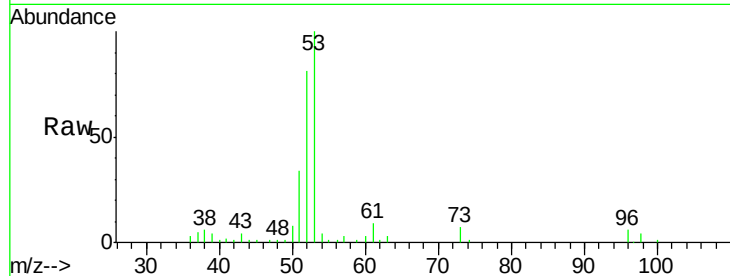
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	46060
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.8	100.2
51	37.9	29.7	44.5

Manual Integrations
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1/10/2019 4:50:52 PM



#16

Acetone

Concen: 272.721 ug/l

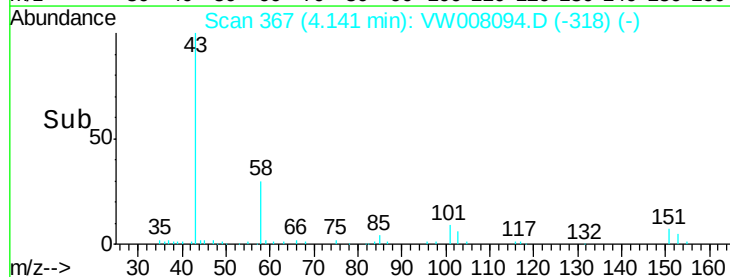
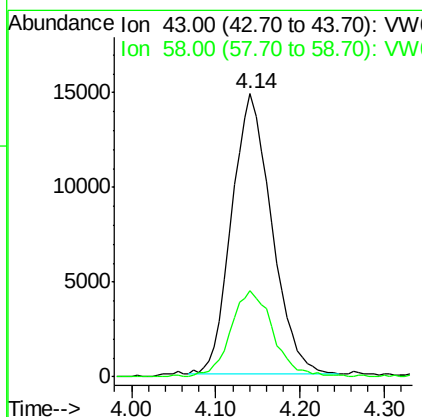
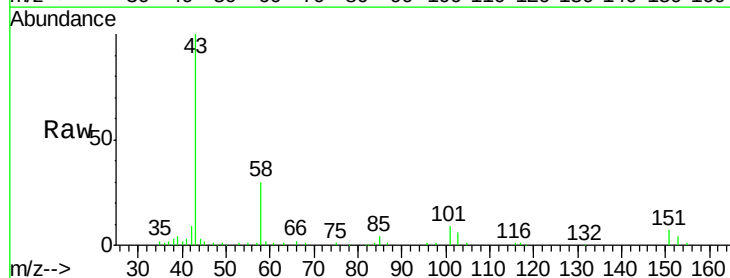
RT: 4.14 min Scan# 367

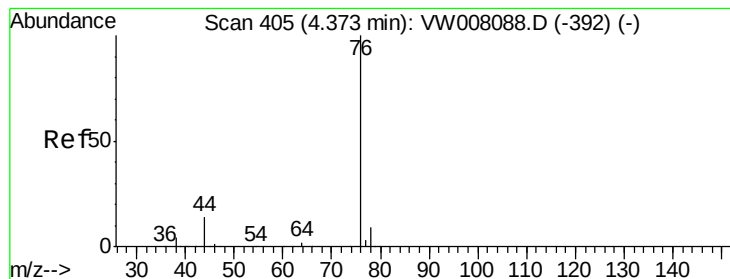
Delta R.T. 0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion:	43	Resp:	47630
Ion	Ratio	Lower	Upper
43	100		
58	30.6	27.5	41.3





#17

Carbon Disulfide

Concen: 50.221 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 149580

Ion Ratio Lower Upper

76 100

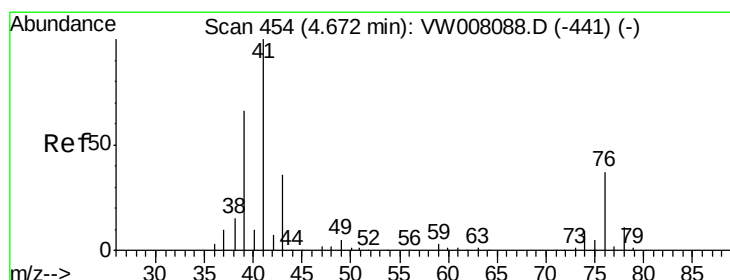
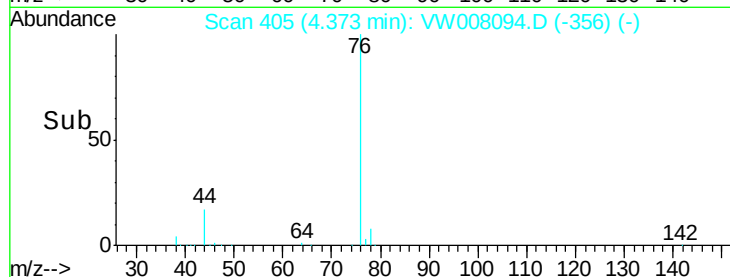
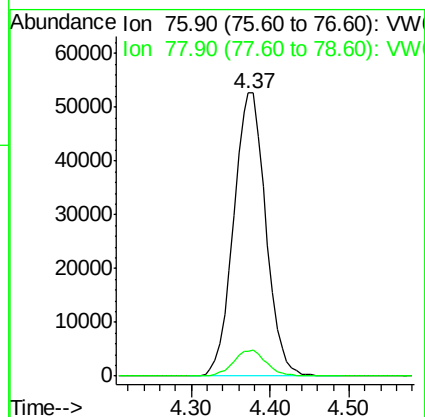
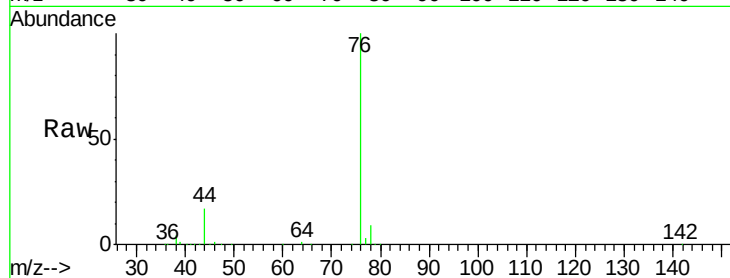
78 8.8 7.0 10.6

Manual Integrations

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1/10/2019 4:50:52 PM



#18

Methyl Acetate

Concen: 46.604 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008094.D

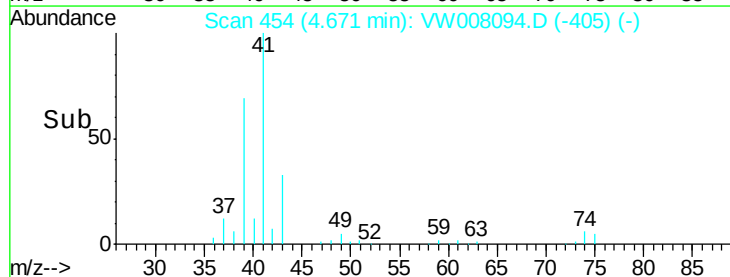
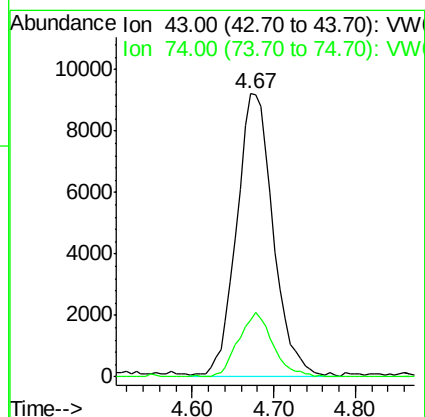
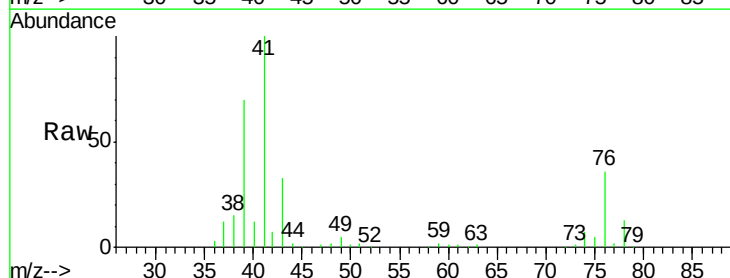
Acq: 09 Jan 2019 11:00

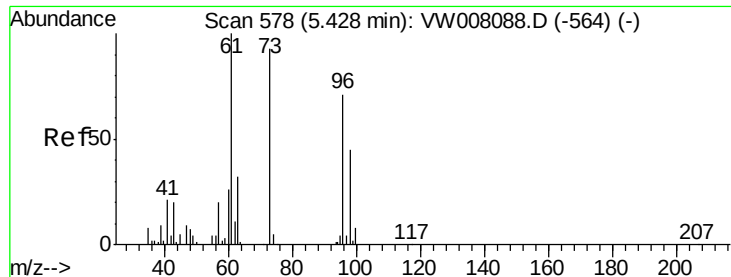
Tgt Ion: 43 Resp: 28822

Ion Ratio Lower Upper

43 100

74 21.3 19.0 28.4





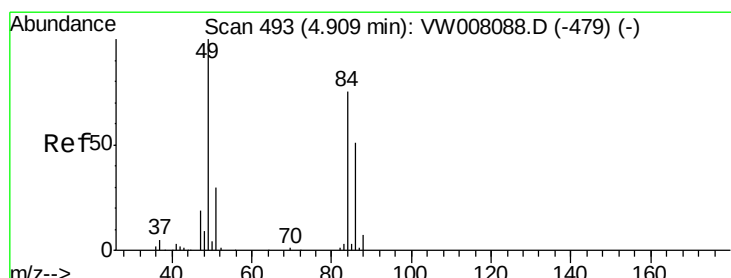
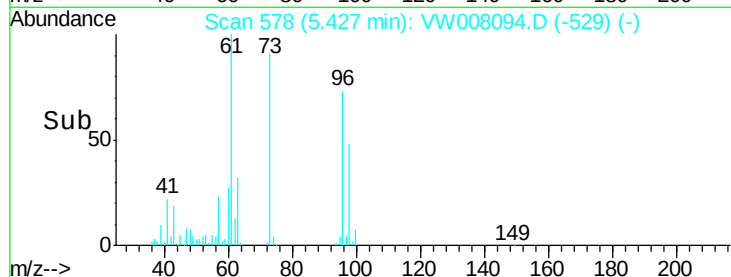
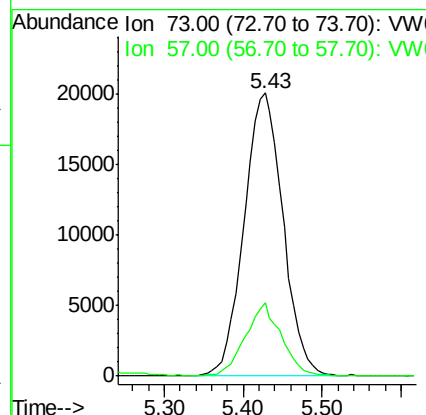
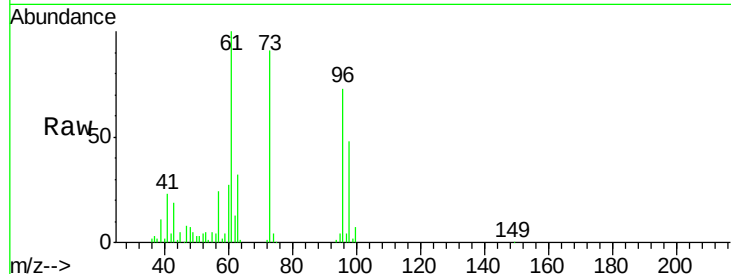
#19
Methyl tert-butyl Ether
Concen: 44.376 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 68784
Ion Ratio Lower Upper
73 100
57 25.9 16.7 25.1#

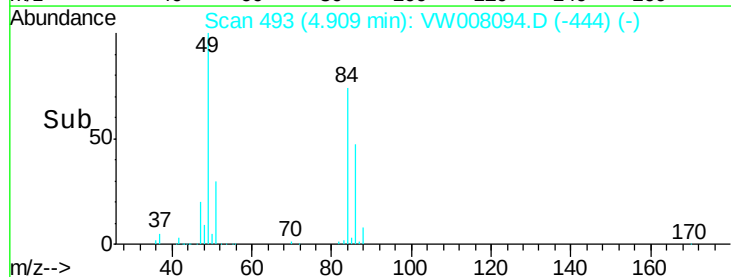
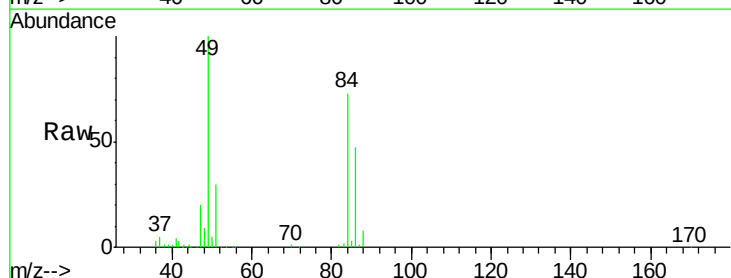
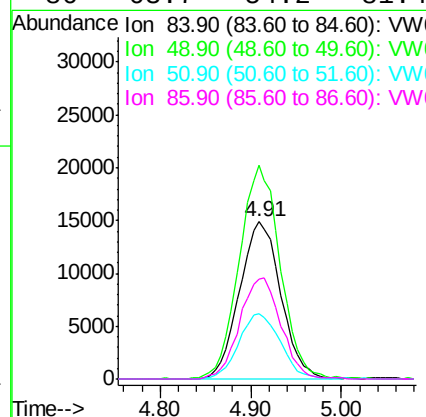
Manual Integrations
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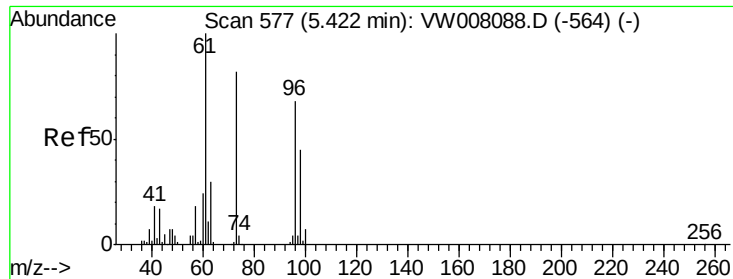
MMDadoda
1/10/2019 4:50:52 PM



#20
Methylene Chloride
Concen: 48.727 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion: 84 Resp: 47062
Ion Ratio Lower Upper
84 100
49 135.3 107.1 160.7
51 41.2 32.4 48.6
86 63.7 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 49.354 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

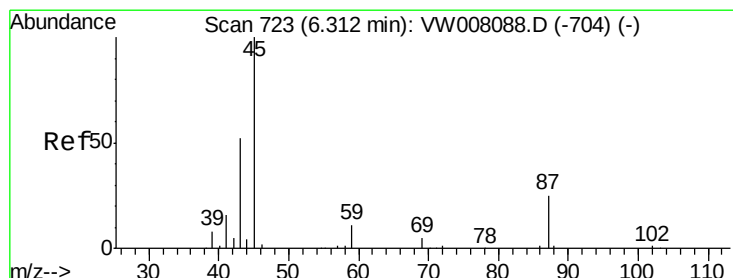
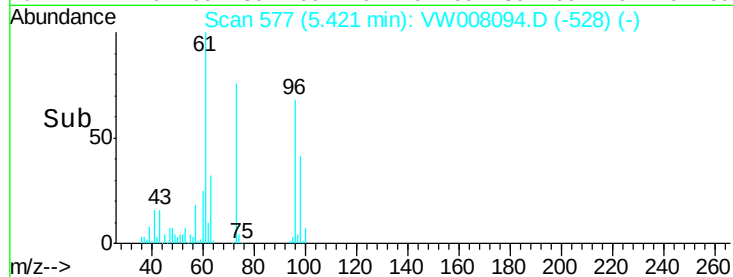
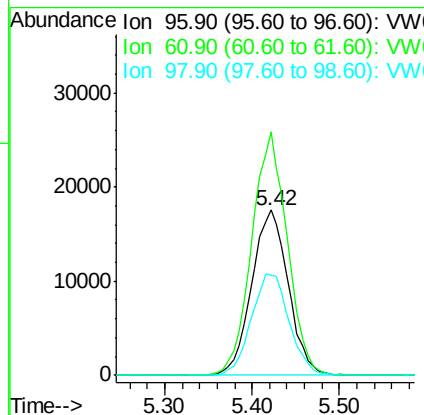
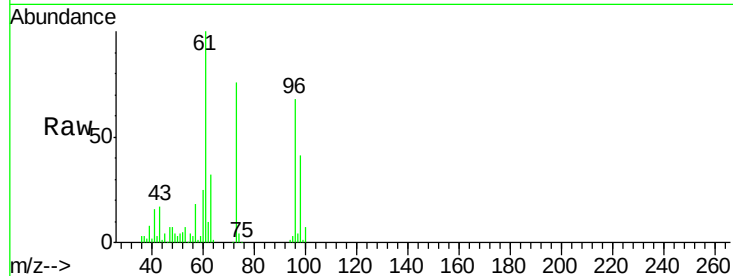
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	51136
Ion	Ratio	Lower	Upper
96	100		
61	147.6	117.4	176.0
98	61.0	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.995 ug/l

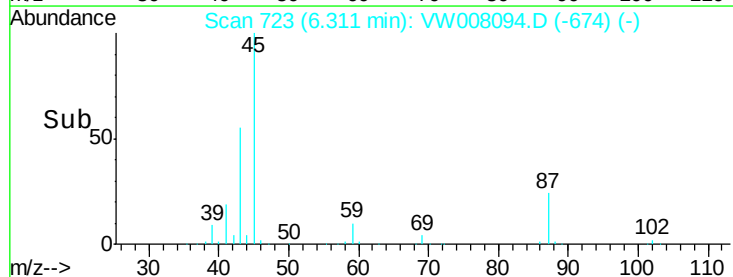
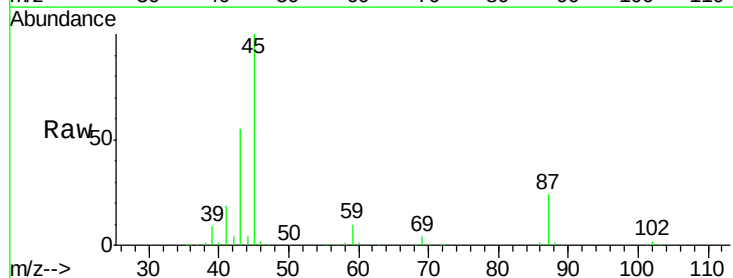
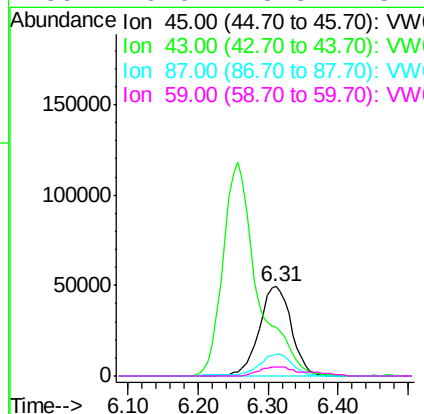
RT: 6.31 min Scan# 723

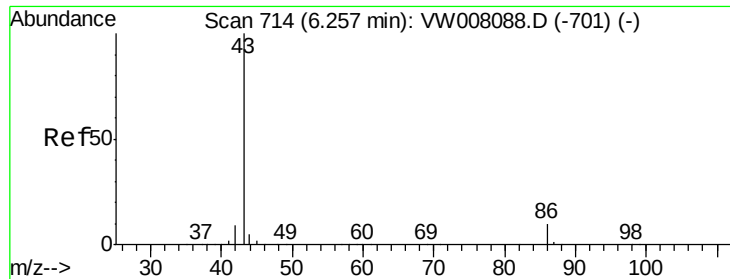
Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion:	45	Resp:	158451
Ion	Ratio	Lower	Upper
45	100		
43	54.2	41.7	62.5
87	23.7	20.1	30.1
59	10.0	8.8	13.2





#23

Vinyl Acetate

Concen: 232.712 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 403500

Ion Ratio Lower Upper

43 100

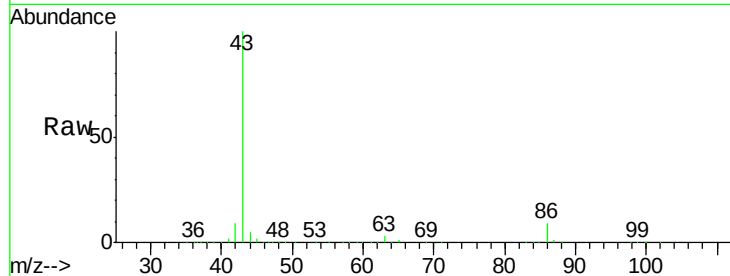
86 9.3 7.7 11.5

Manual Integrations

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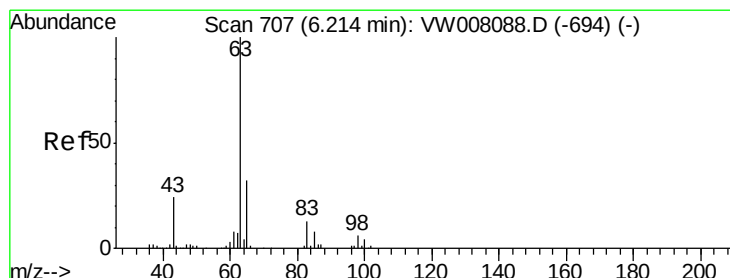
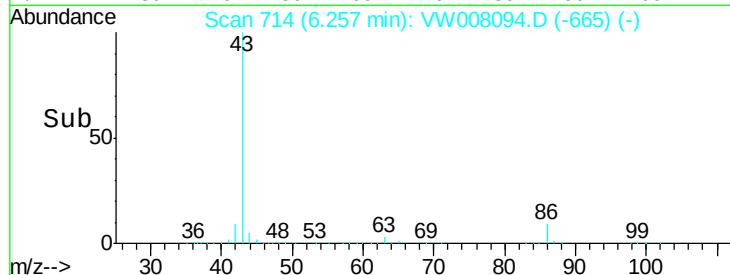
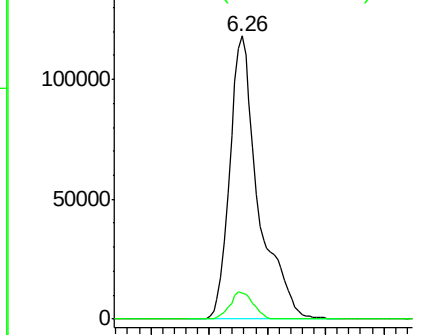
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.020 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

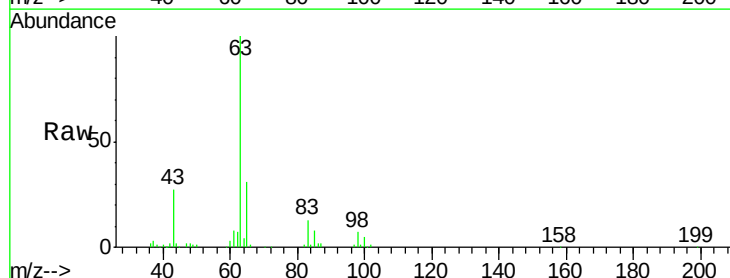
Tgt Ion: 63 Resp: 92371

Ion Ratio Lower Upper

63 100

98 7.4 3.2 9.6

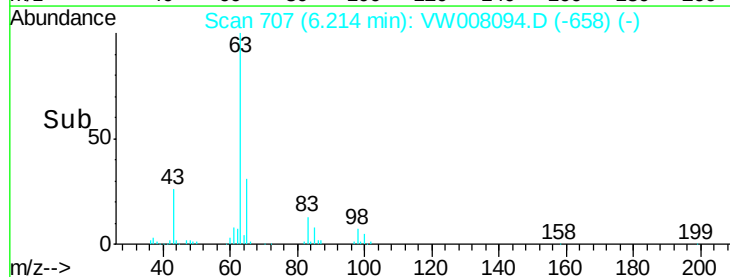
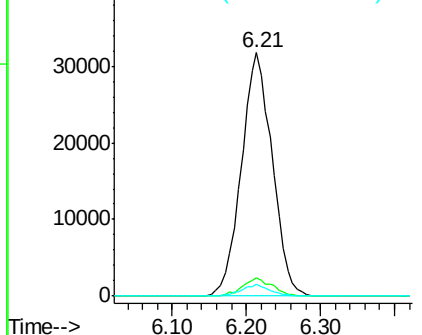
100 4.7 2.0 6.0

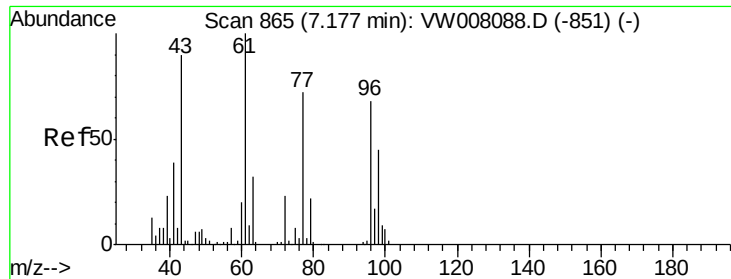


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 224.563 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 61138

Ion Ratio Lower Upper

43 100

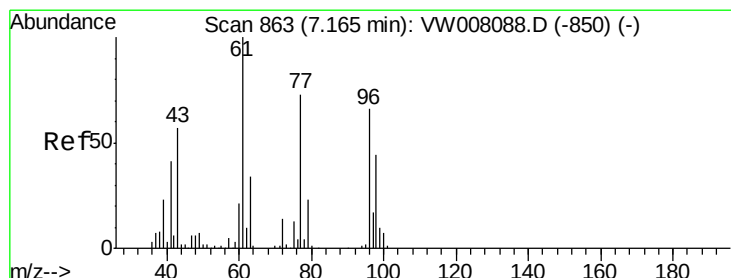
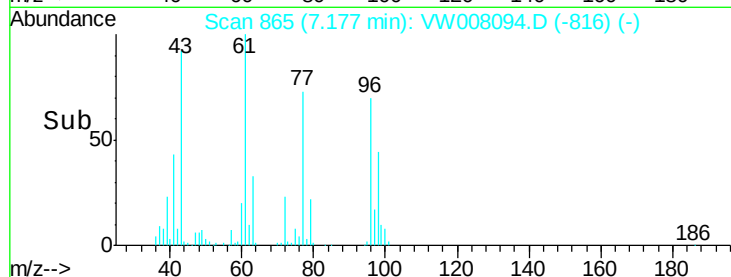
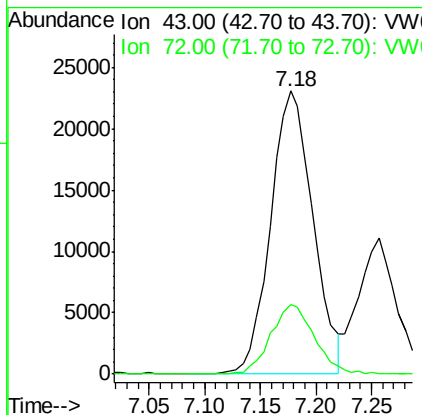
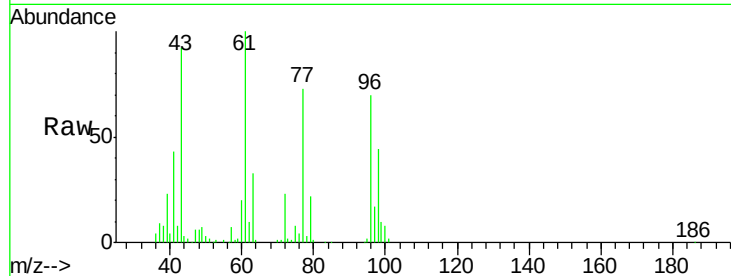
72 24.5 20.5 30.7

Manual Integrations

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MMDadoda

1/10/2019 4:50:52 PM



#26

2,2-Dichloropropane

Concen: 47.813 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008094.D

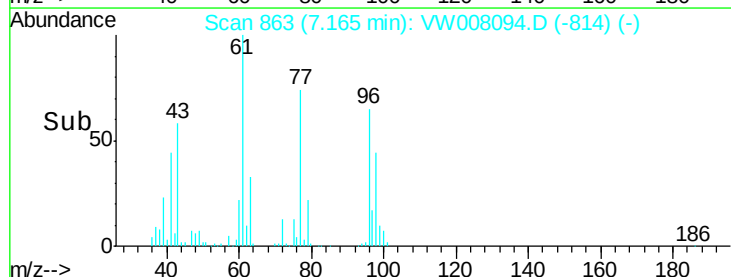
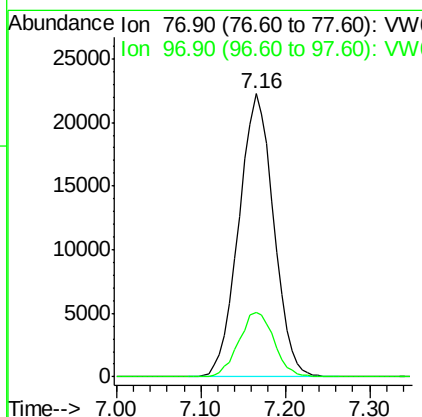
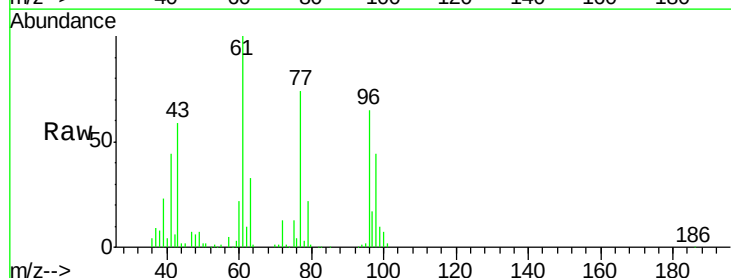
Acq: 09 Jan 2019 11:00

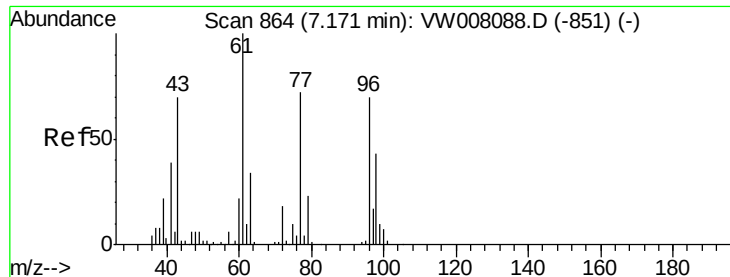
Tgt Ion: 77 Resp: 62319

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

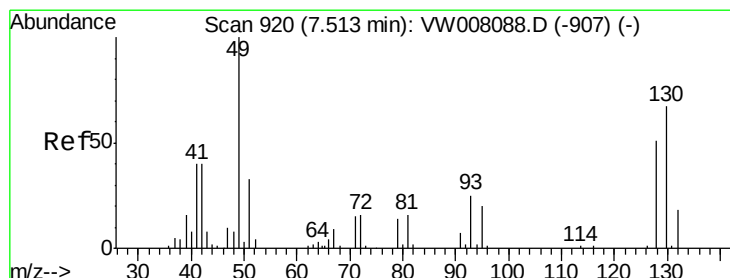
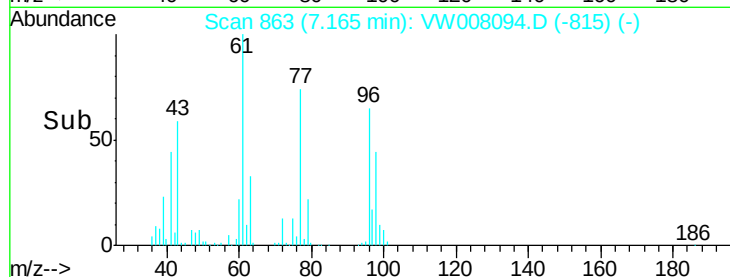
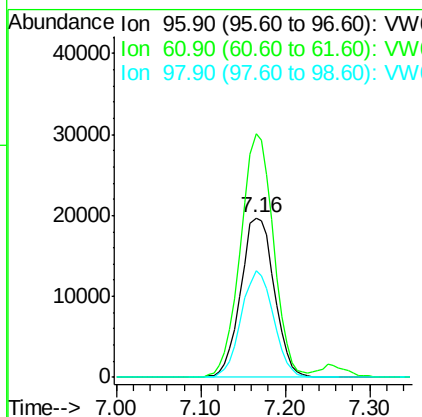
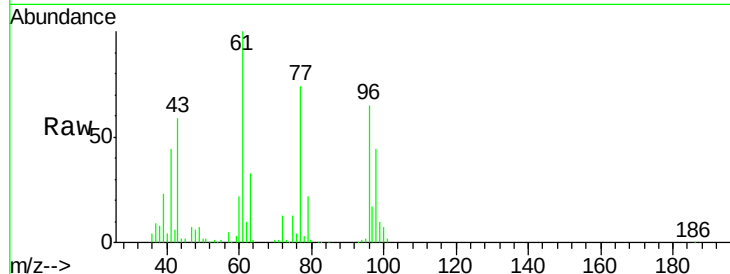
cis-1,2-Dichloroethene
Concen: 46.928 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.9	0.0	300.4	
98	64.4	0.0	128.4	

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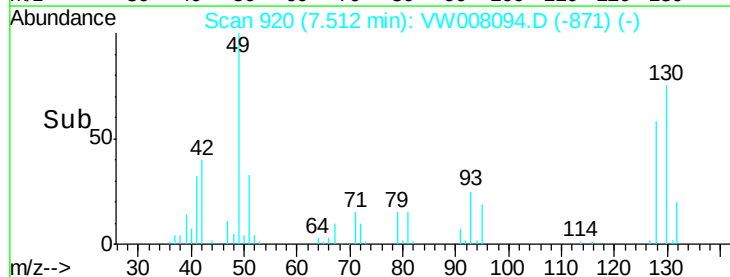
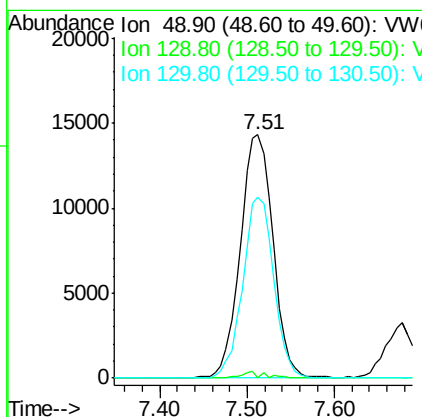
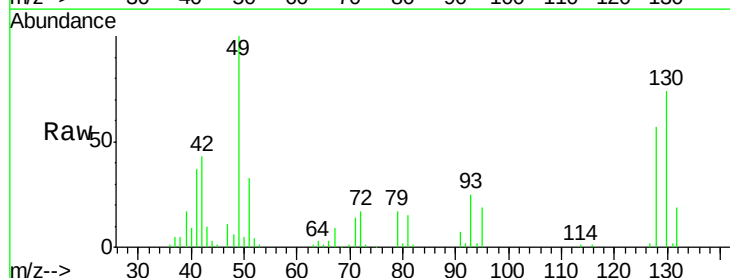
MMDadoda
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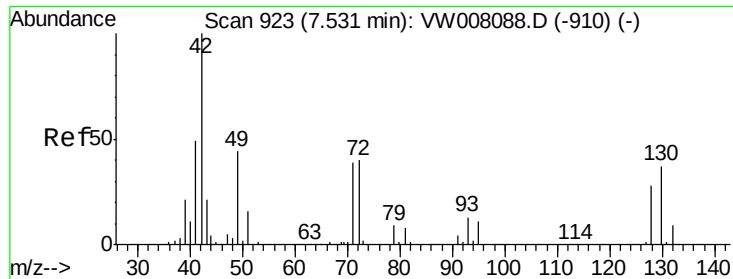


#28

Bromochloromethane
Concen: 48.886 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	2.8	
130	70.3	54.3	81.5	





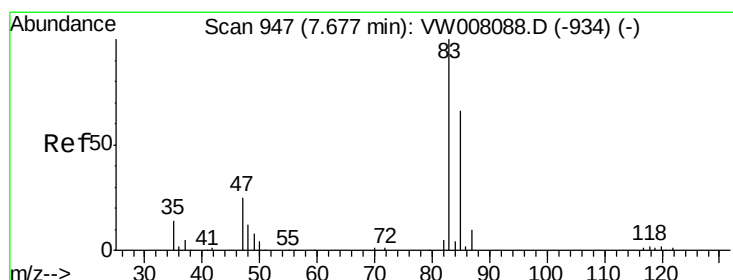
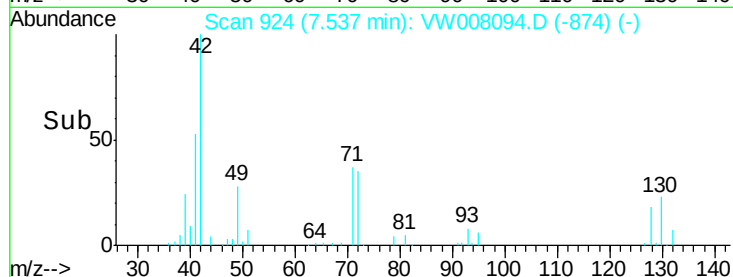
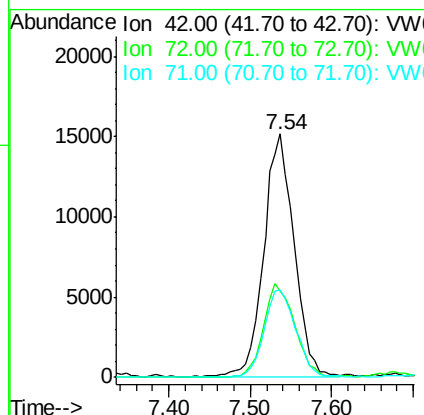
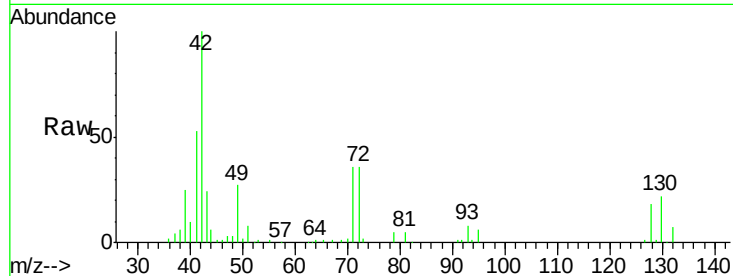
#29
Tetrahydrofuran
Concen: 216.753 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	37.5	31.3	46.9

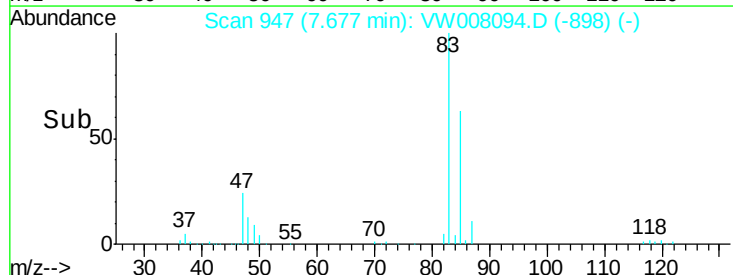
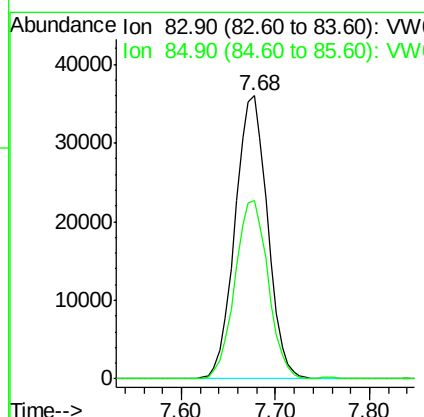
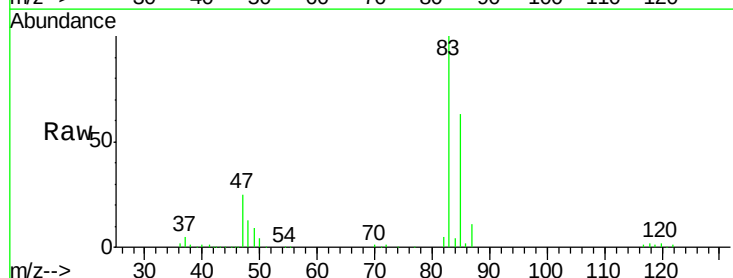
Manual Integrations
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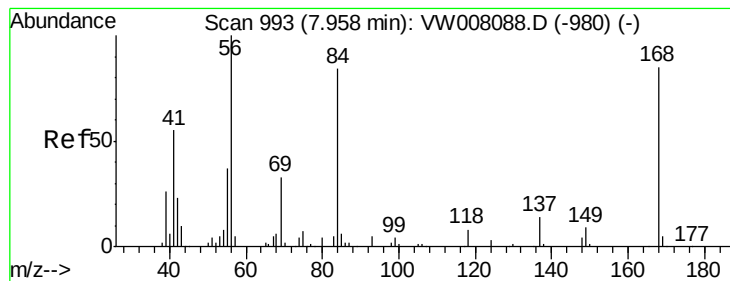
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#30
Chloroform
Concen: 47.245 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.2	79.8





#31

Cyclohexane

Concen: 46.226 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

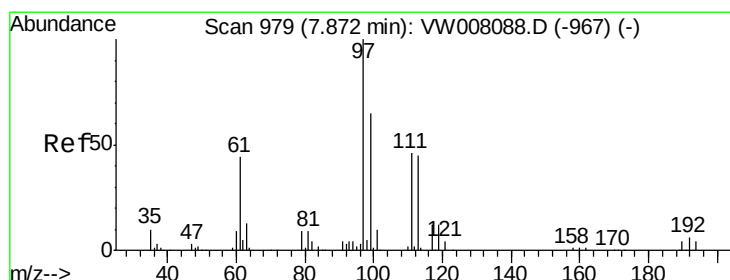
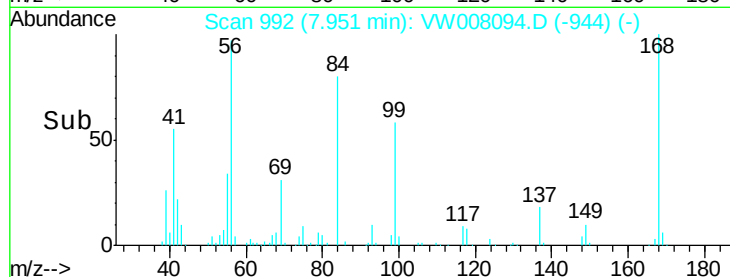
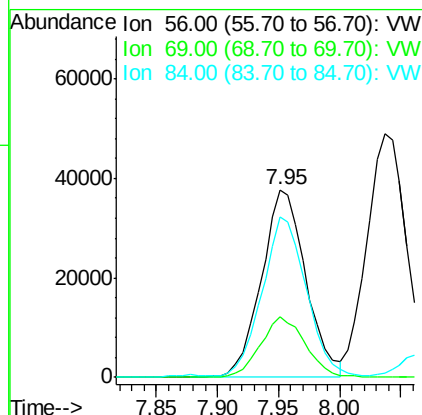
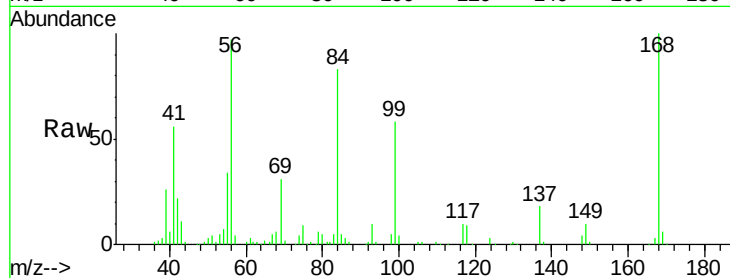
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	95192
Ion Ratio	Lower	Upper	
56	100		
69	31.8	26.2	39.4
84	83.9	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.537 ug/l

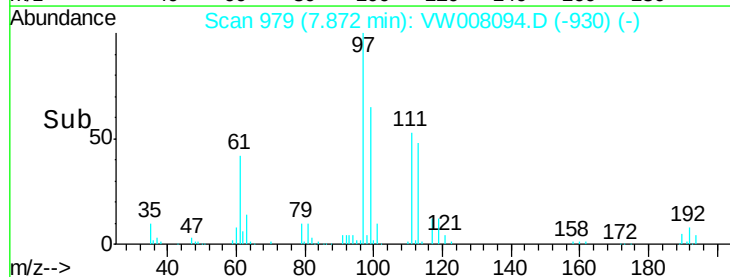
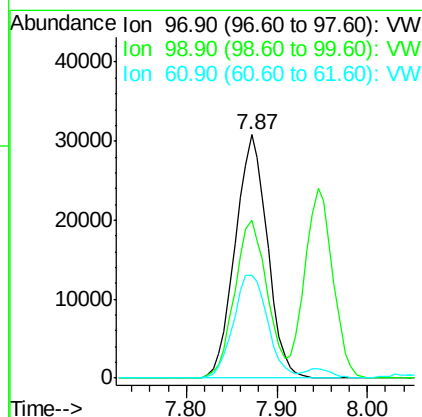
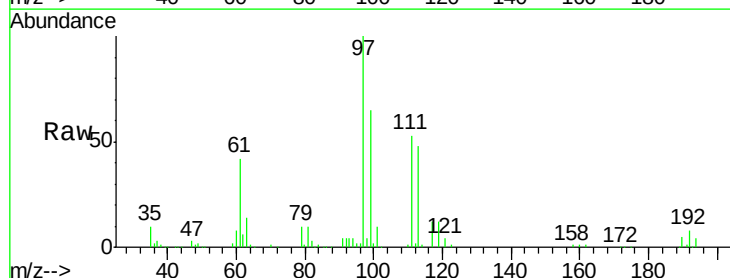
RT: 7.87 min Scan# 979

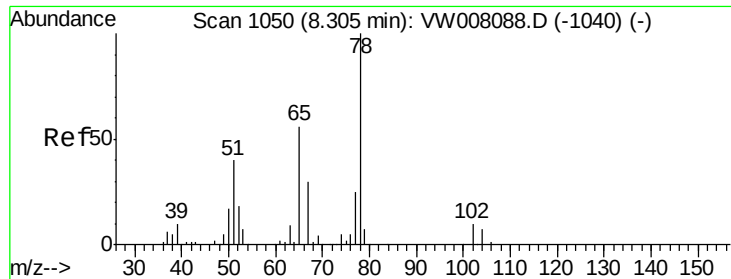
Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion:	97	Resp:	75734
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.4	77.0
61	45.0	35.6	53.4





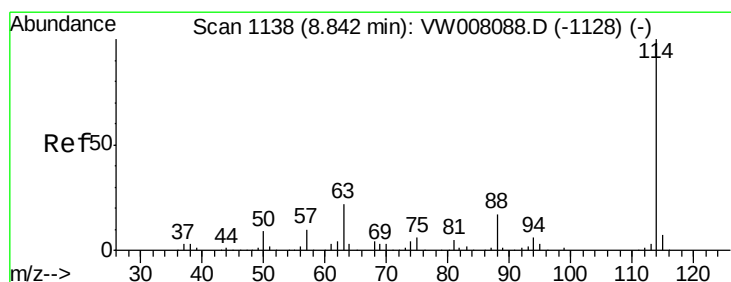
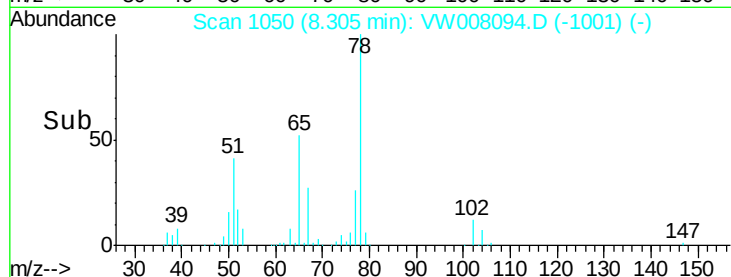
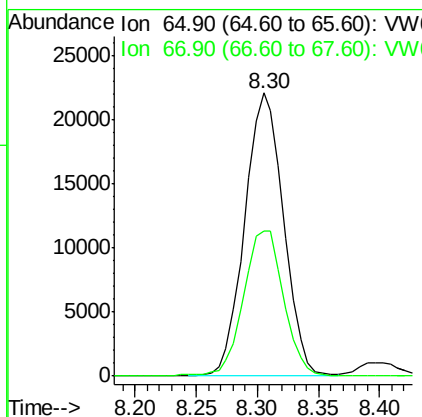
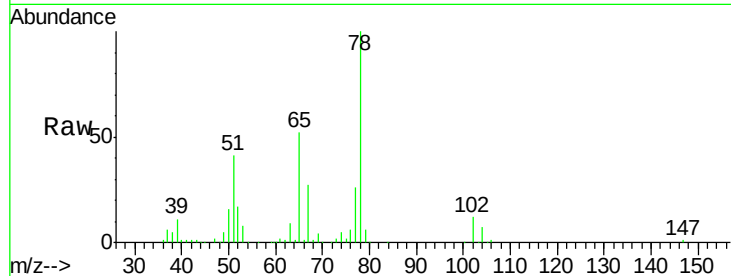
#33
 1,2-Dichloroethane-d4
 Concen: 49.777 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

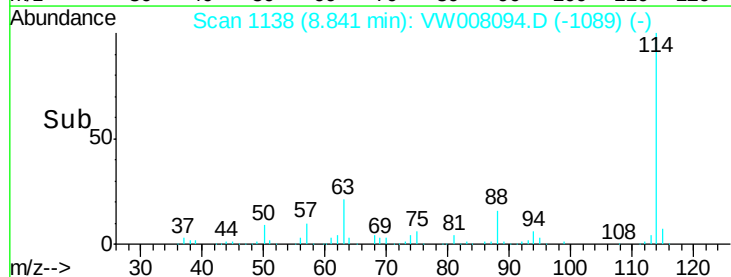
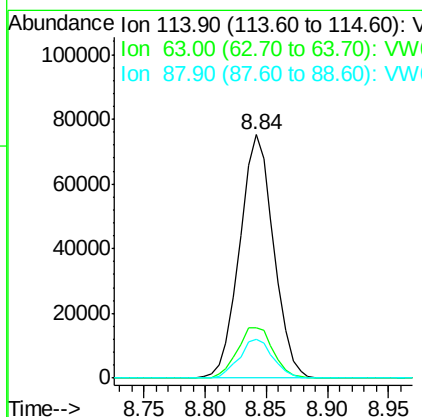
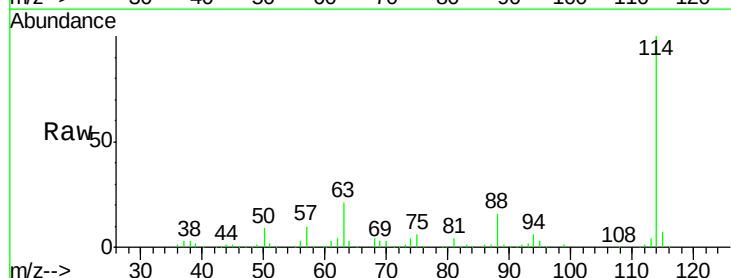
Manual Integrations
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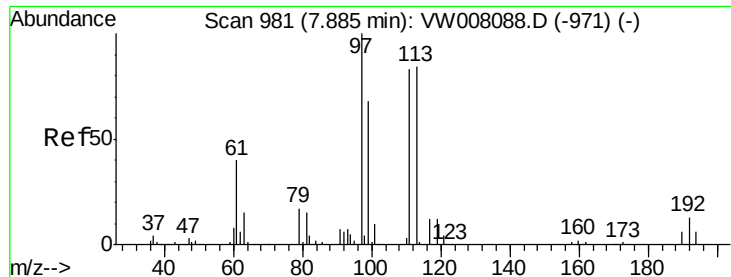
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 1/10/2019 4:50:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.4
88	16.2	0.0	33.4





#35

Dibromofluoromethane

Concen: 55.083 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

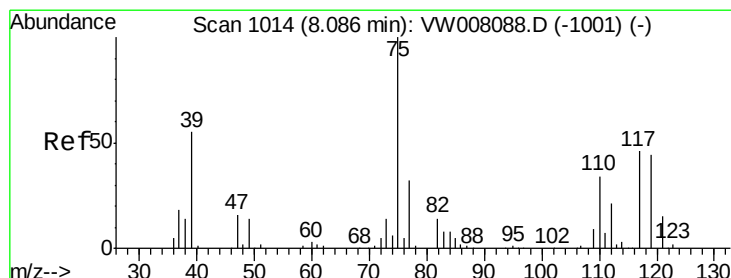
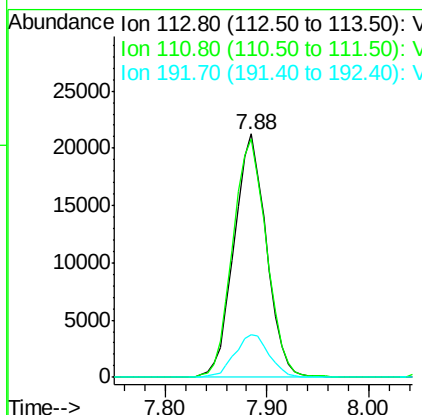
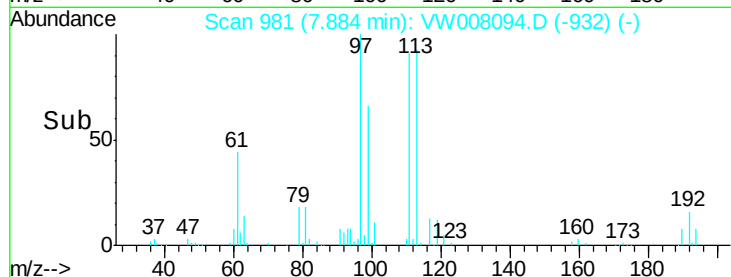
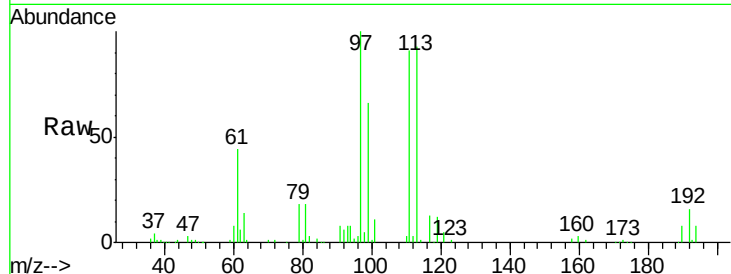
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	18.7	12.8	19.2

Manual Integrations
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1/10/2019 4:50:52 PM



#36

1,1-Dichloropropene

Concen: 50.564 ug/l

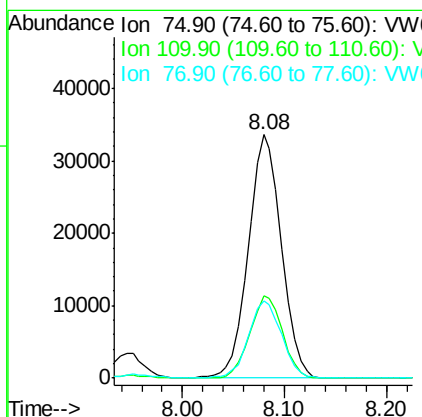
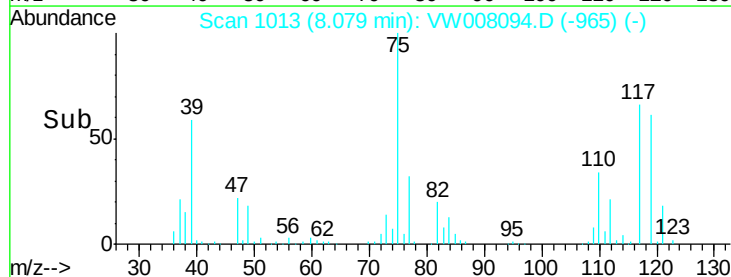
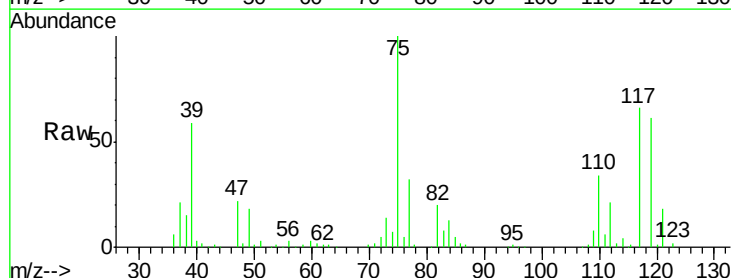
RT: 8.08 min Scan# 1013

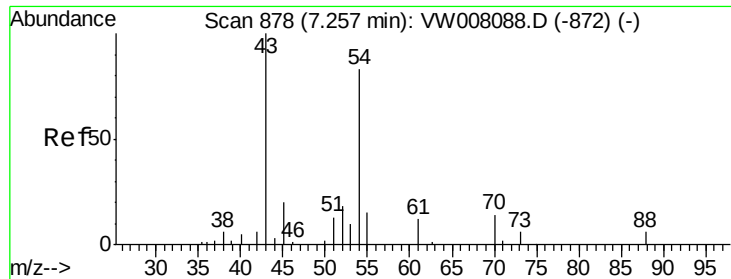
Delta R.T. -0.01 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.1	51.3
77	31.9	25.5	38.3





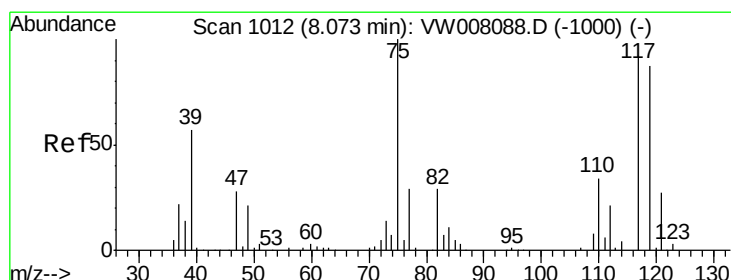
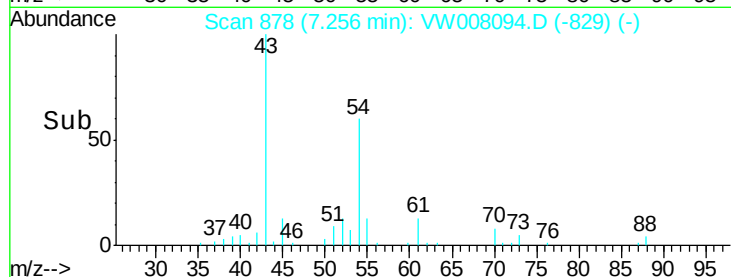
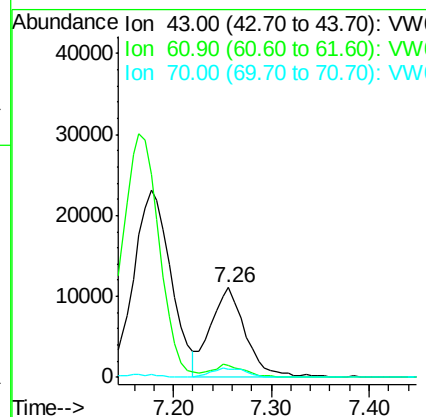
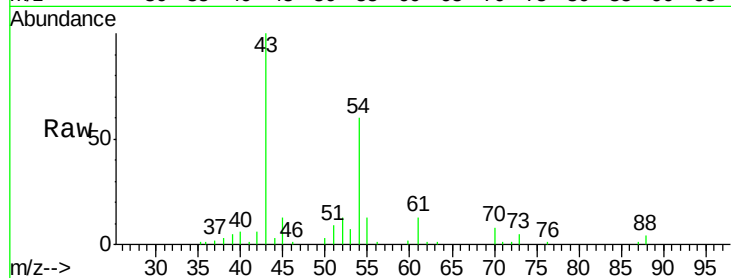
#37
Ethyl Acetate
Concen: 45.319 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	16.0
70	10.6	8.9	13.3

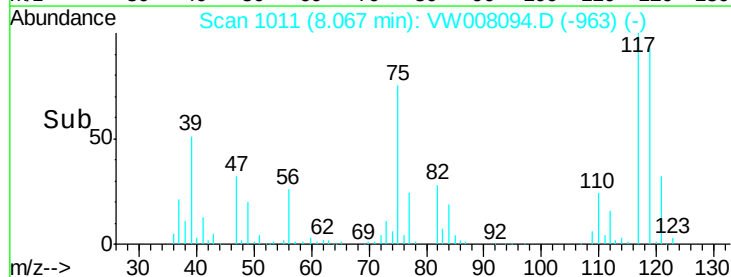
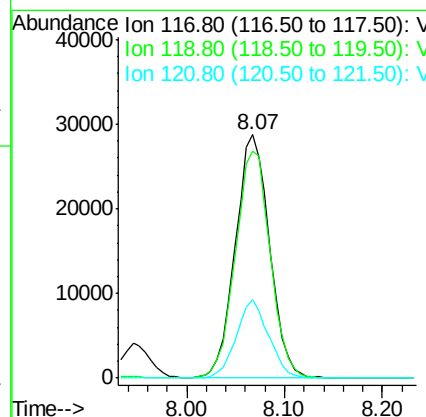
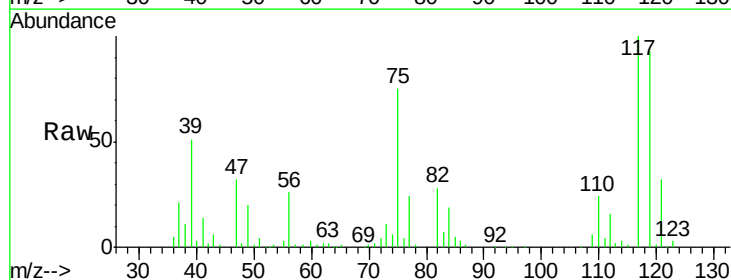
Manual Integrations
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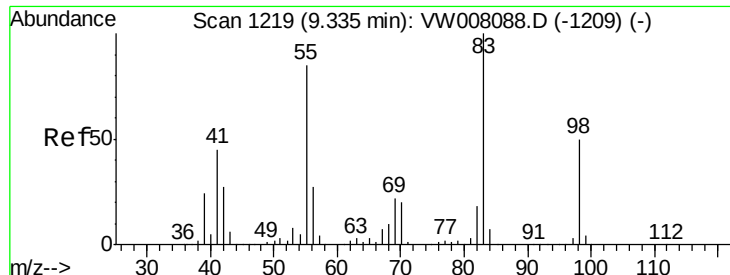
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1/10/2019 4:50:52 PM



#38
Carbon Tetrachloride
Concen: 50.880 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.8	113.8
121	32.1	23.7	35.5





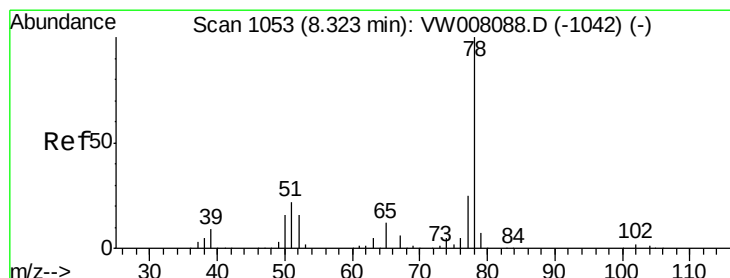
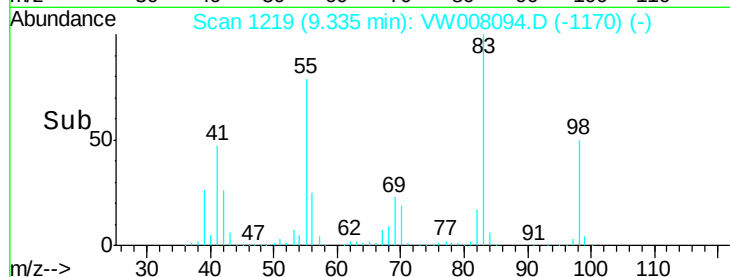
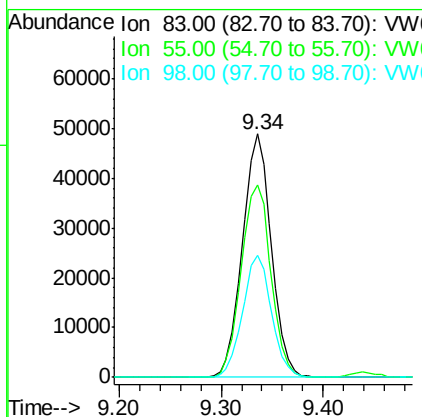
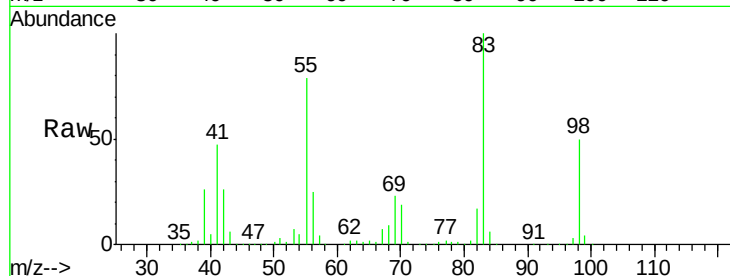
#39
Methylvlcyclohexane
Concen: 50.775 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	96299
Ion	Ratio	Lower	Upper
83	100		
55	79.2	67.8	101.6
98	50.2	40.2	60.4

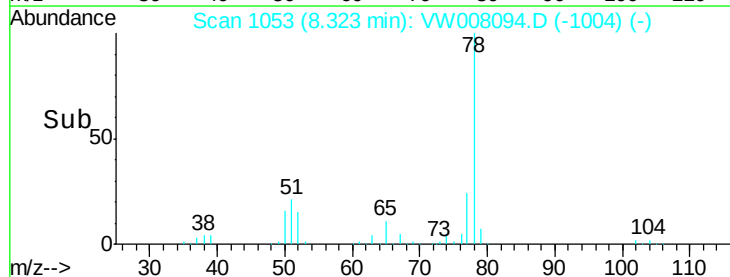
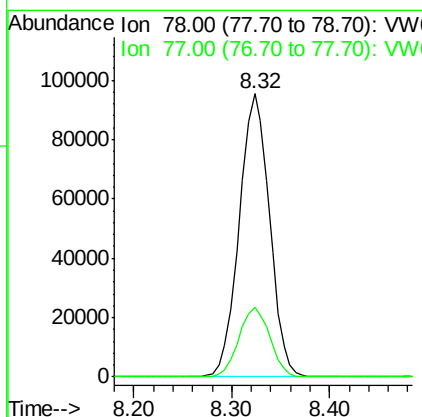
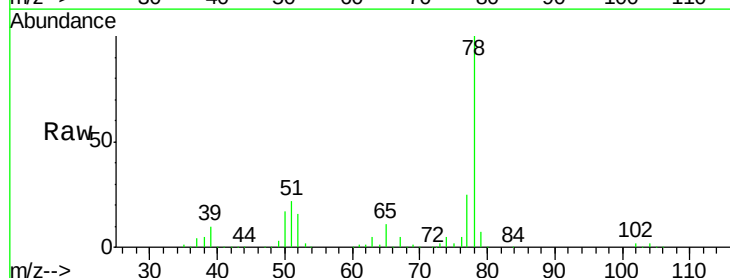
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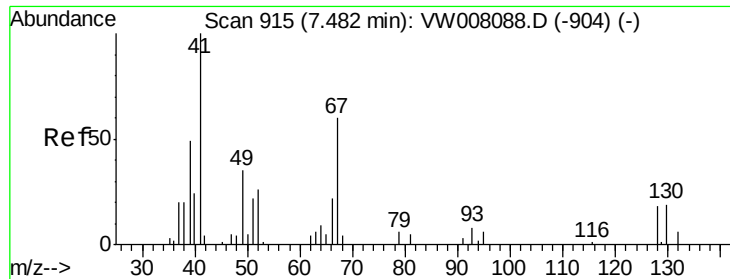
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1/10/2019 4:50:52 PM



#40
Benzene
Concen: 50.594 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	78	Resp	205258
Ion	Ratio	Lower	Upper
78	100		
77	24.5	20.2	30.4





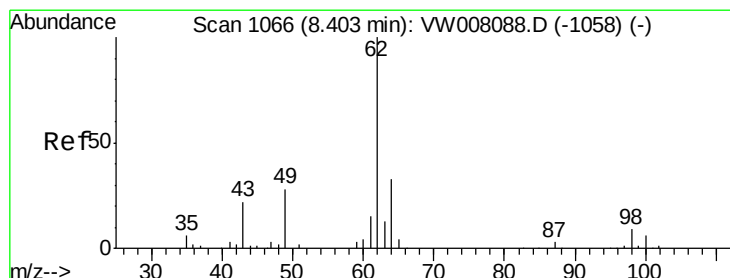
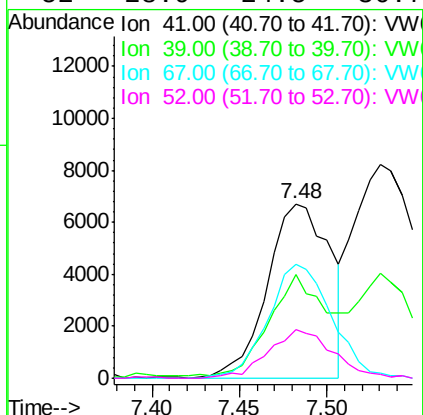
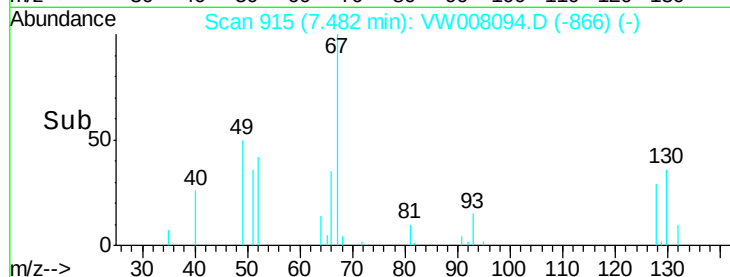
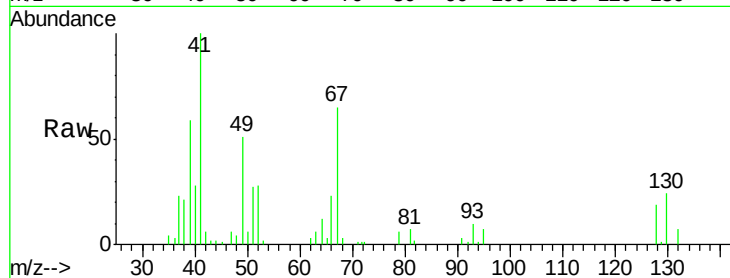
#41
Methacrylonitrile
Concen: 44.368 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	47.9	71.9	
67	66.2	56.3	84.5	
52	28.9	24.5	36.7	

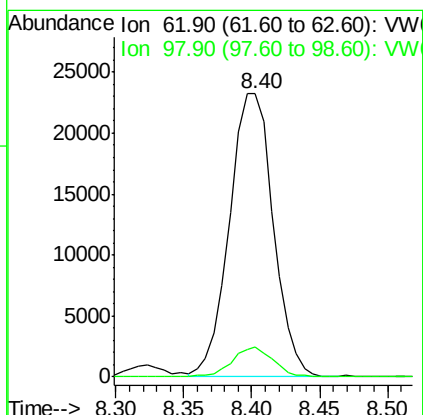
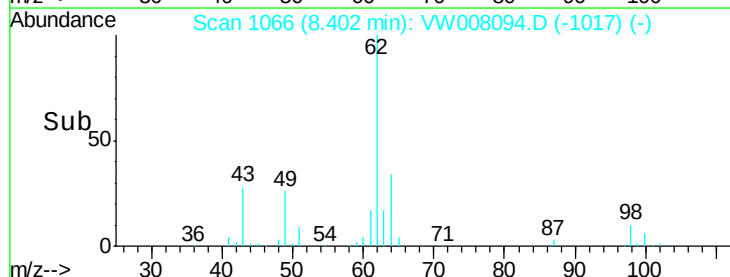
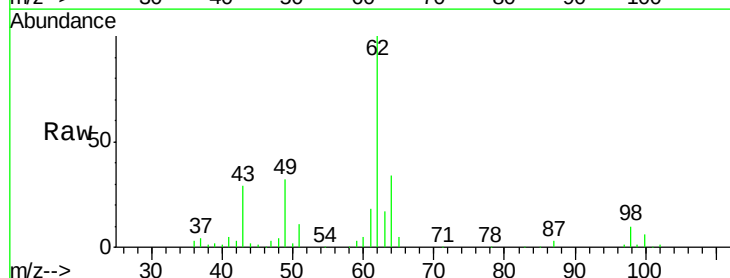
Manual Integrations
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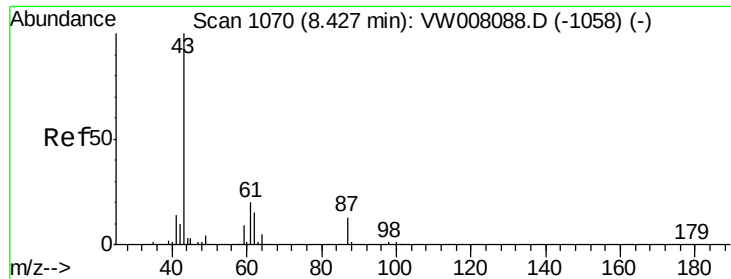
MMDadoda
1/10/2019 4:50:52 PM



#42
1,2-Dichloroethane
Concen: 45.569 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	18.6	





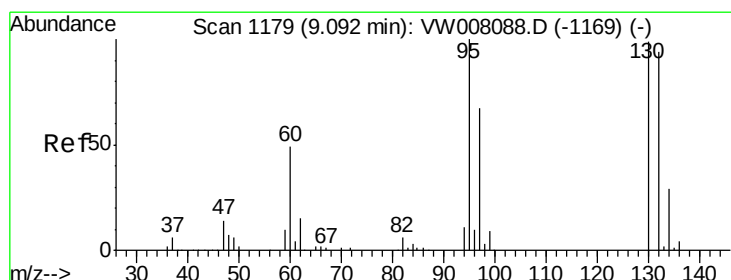
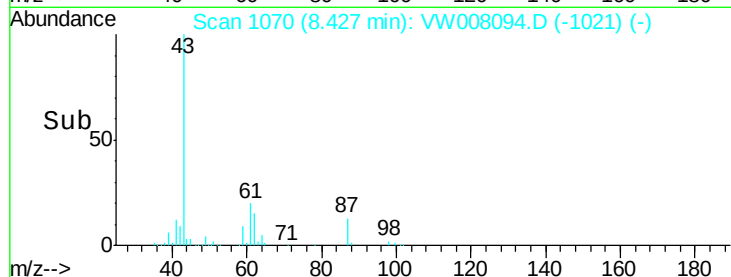
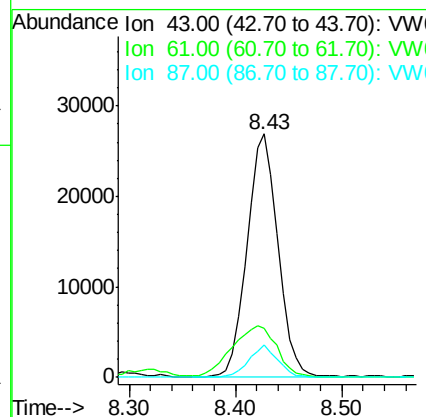
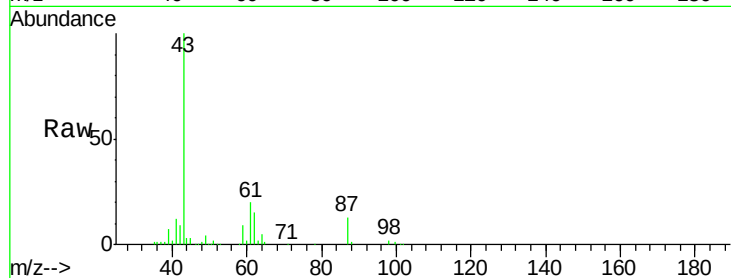
#43
Isopropyl Acetate
Concen: 45.973 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	12.1	10.4	15.6

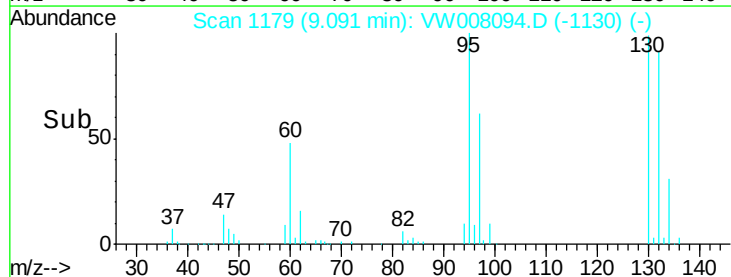
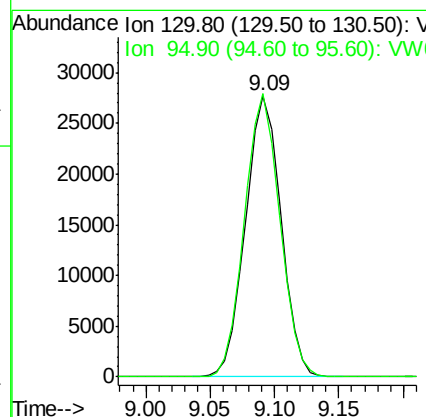
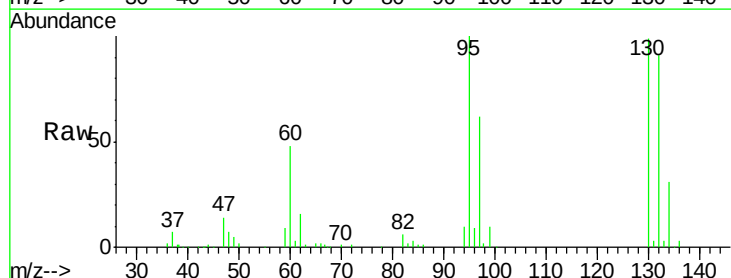
Manual Integrations
APPROVED

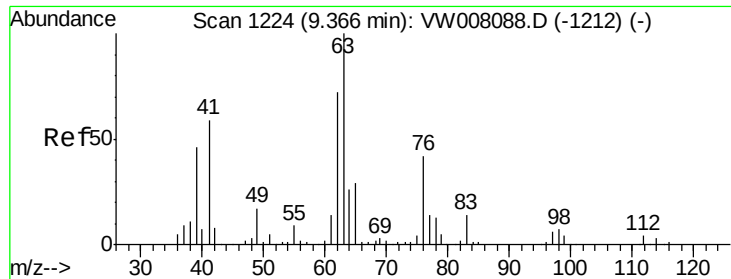
MMDadoda
1/10/2019 4:50:52 PM



#44
Trichloroethene
Concen: 50.821 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	202.8





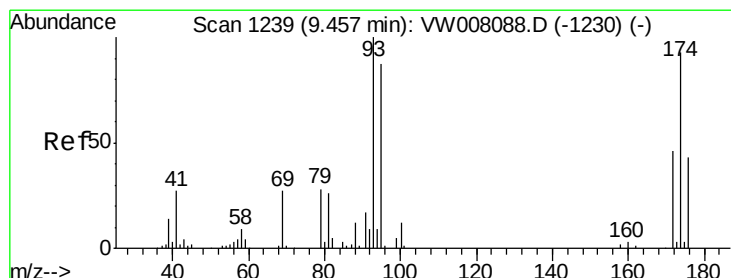
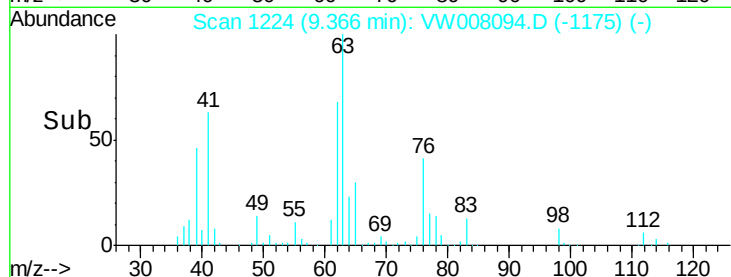
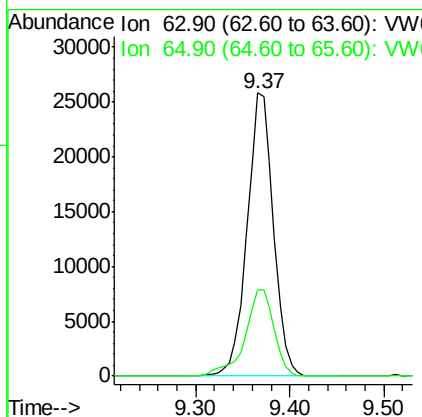
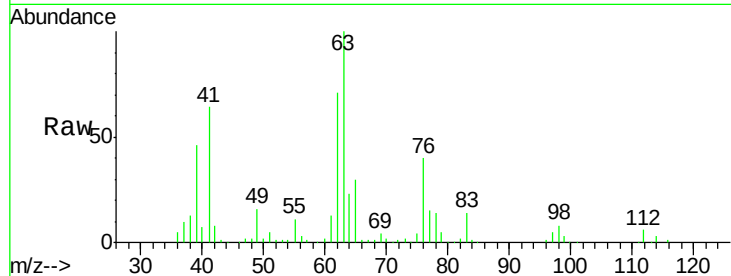
#45
 1,2-Dichloropropane
 Concen: 50.395 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 50694
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.3 34.9

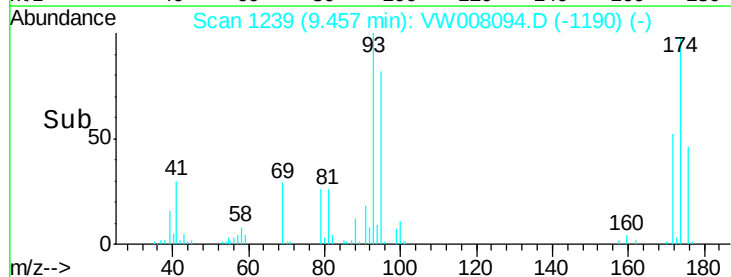
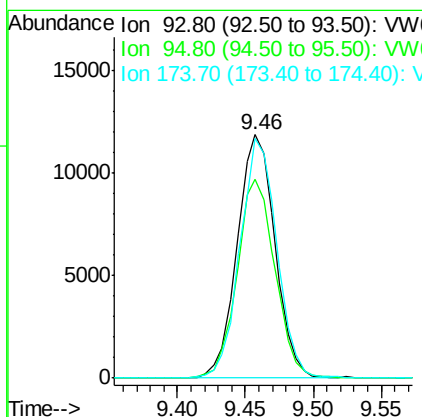
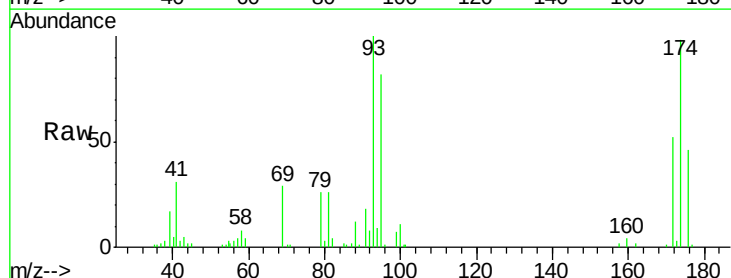
Manual Integrations
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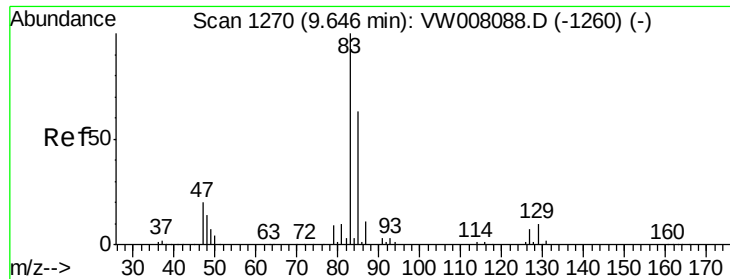
MMDadoda
 1/10/2019 4:50:52 PM



#46
 Dibromomethane
 Concen: 46.435 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion: 93 Resp: 22940
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.5 101.3
 174 96.0 72.5 108.7





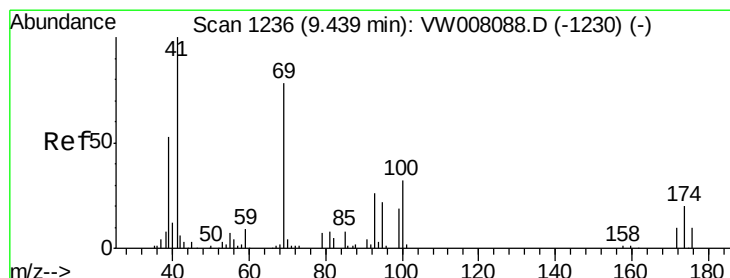
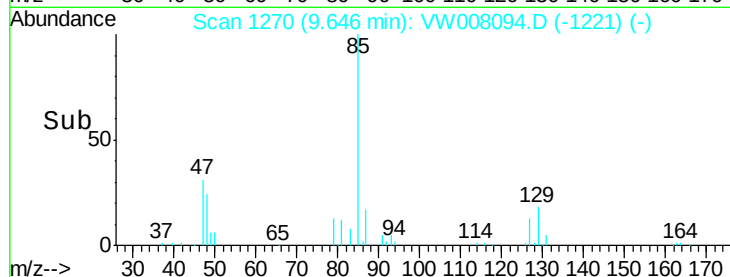
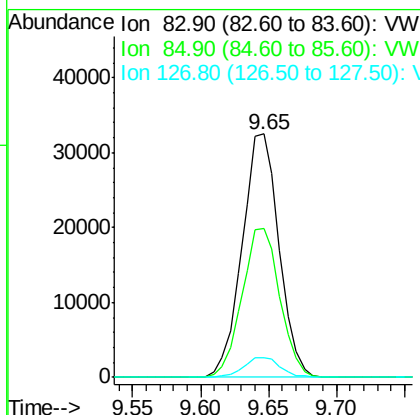
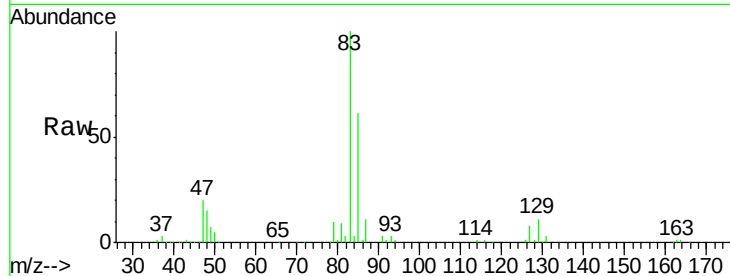
#47
Bromodichloromethane
Concen: 49.233 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	61759
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	50.7	76.1
127	8.0	6.0	9.0

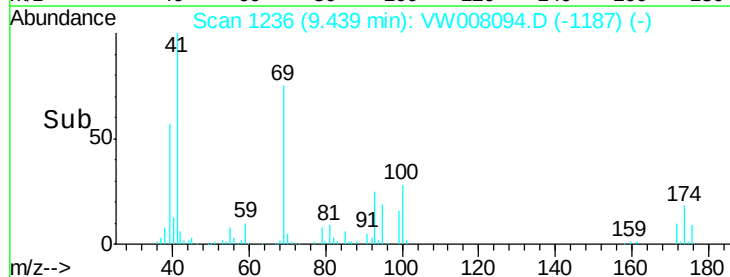
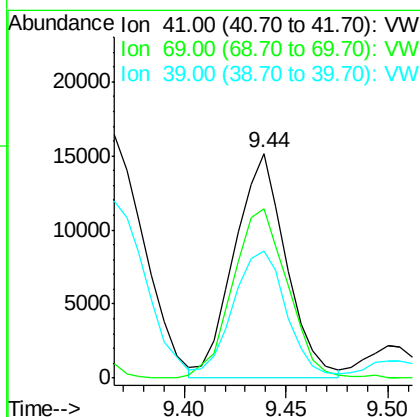
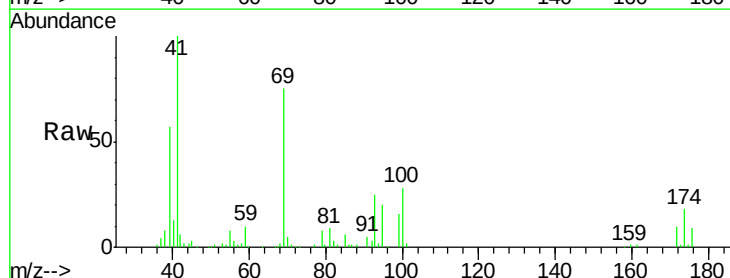
Manual Integrations
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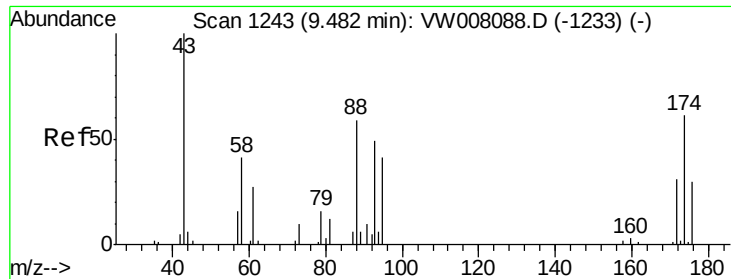
MMDadoda
1/10/2019 4:50:52 PM



#48
Methyl methacrylate
Concen: 47.030 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	41	Resp	26588
Ion Ratio	100	Lower	Upper
41	100		
69	80.5	61.9	92.9
39	54.5	43.0	64.4





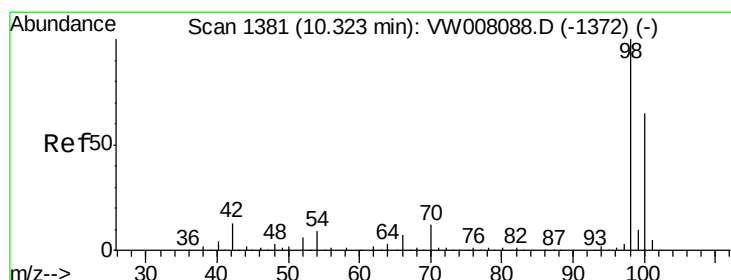
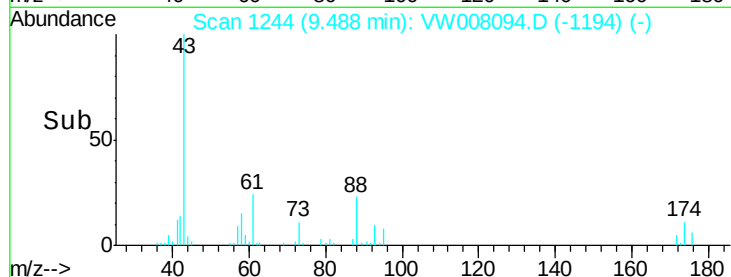
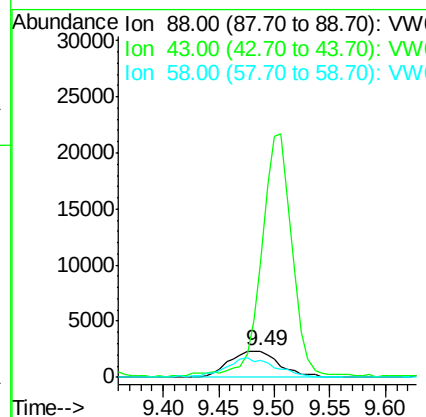
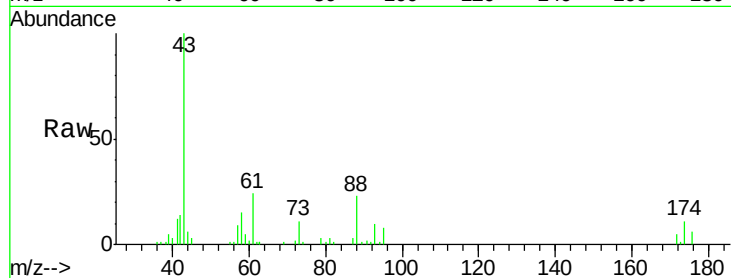
#49
1,4-Dioxane
Concen: 921.231 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.8	61.7	92.5

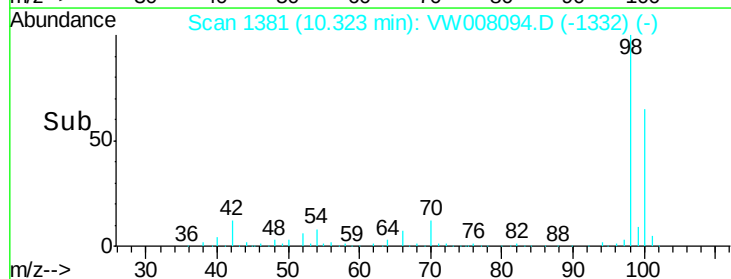
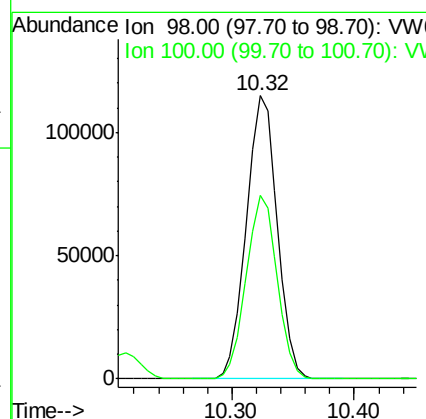
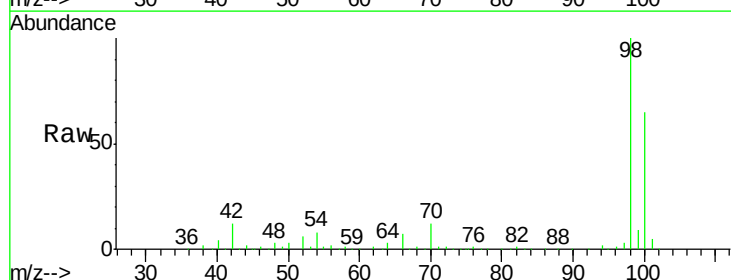
Manual Integrations
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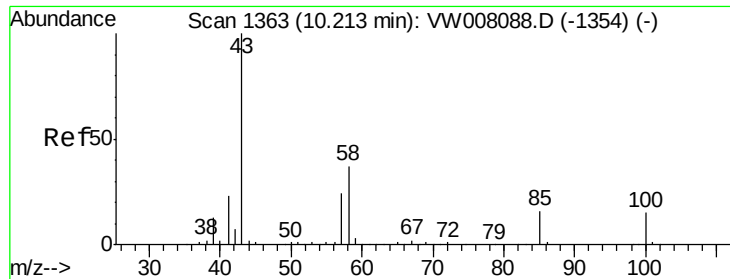
MMDadoda
1/10/2019 4:50:52 PM



#50
Toluene-d8
Concen: 56.800 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 221.356 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 128377

Ion Ratio Lower Upper

43 100

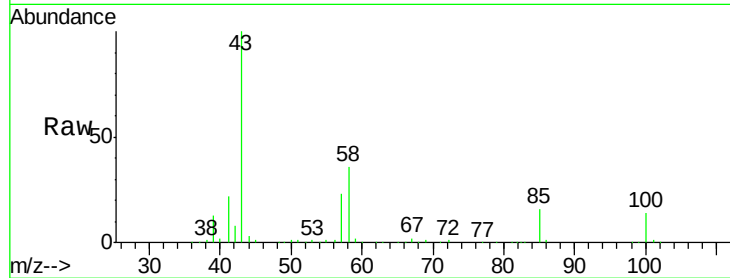
58 37.6 30.6 46.0

Manual Integrations

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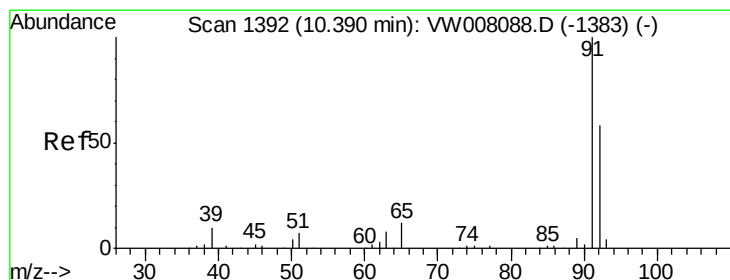
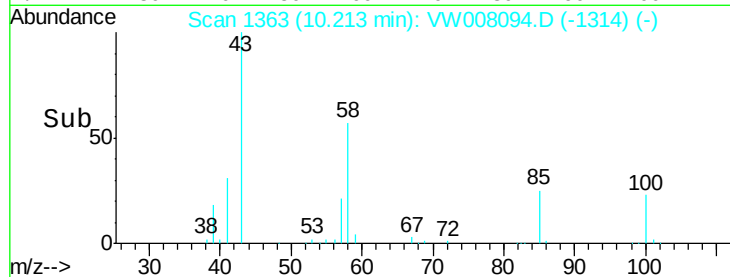
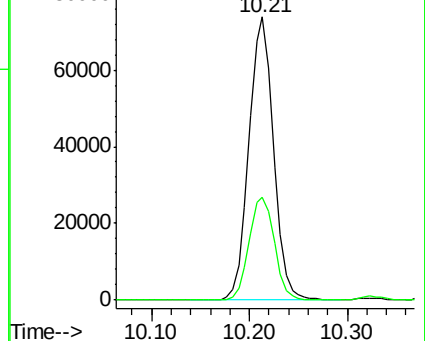
MMDadoda

1/10/2019 4:50:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 49.479 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008094.D

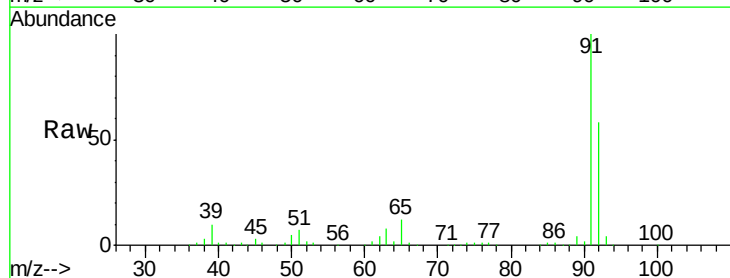
Acq: 09 Jan 2019 11:00

Tgt Ion: 92 Resp: 128196

Ion Ratio Lower Upper

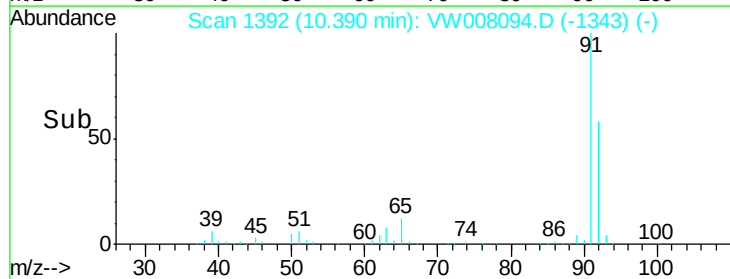
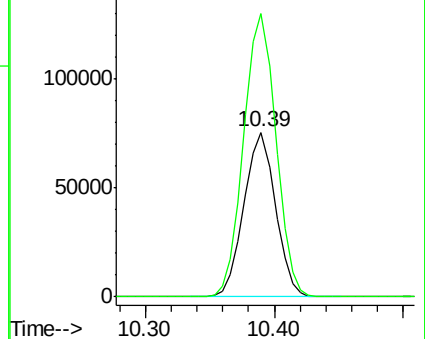
92 100

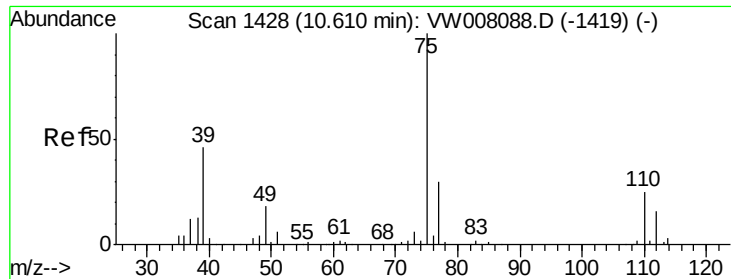
91 176.1 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





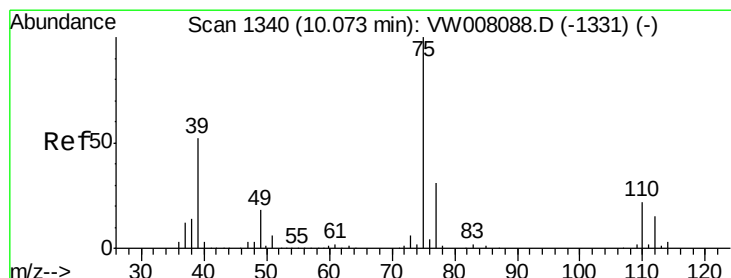
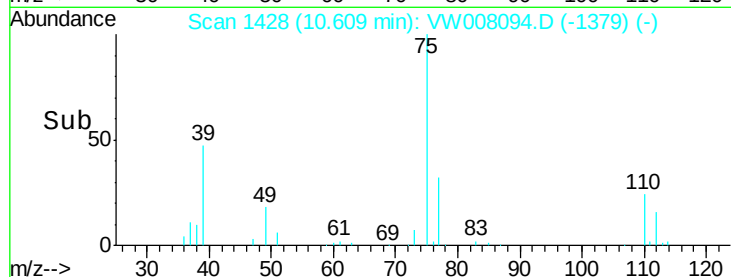
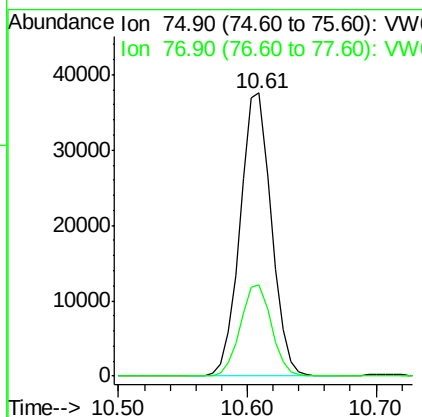
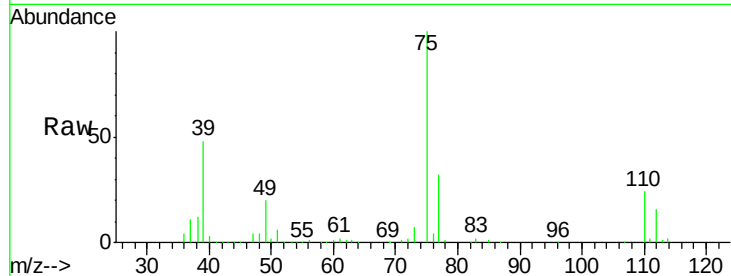
#53
 t-1,3-Dichloropropene
 Concen: 48.254 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 62963
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.4 36.6

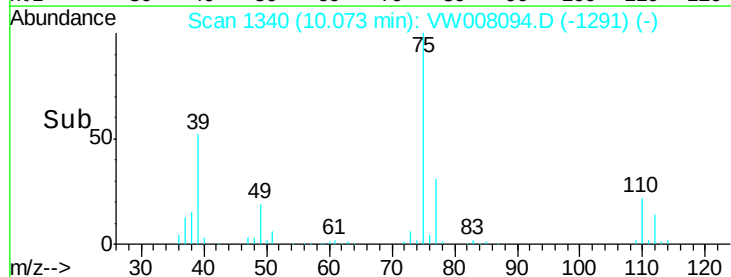
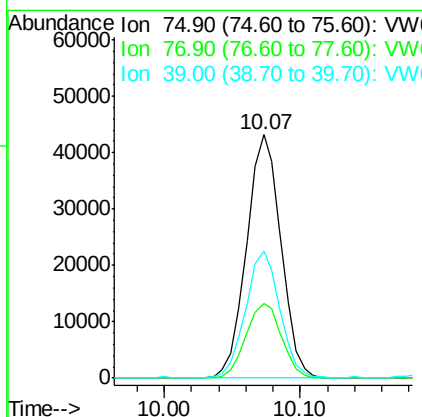
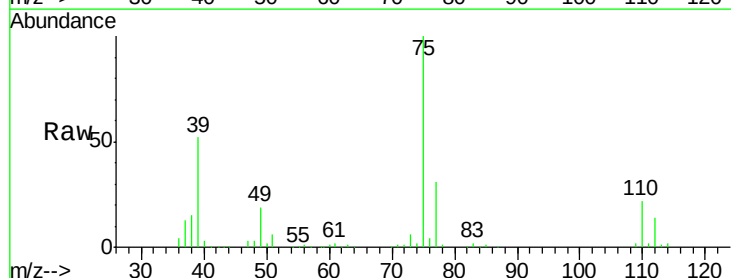
Manual Integrations
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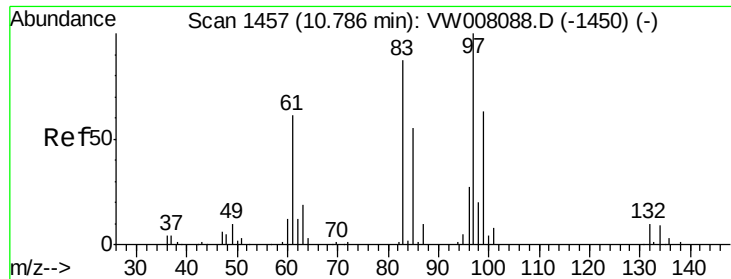
MMDadoda
 1/10/2019 4:50:52 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.442 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion: 75 Resp: 76501
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8
 39 52.0 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 47.117 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

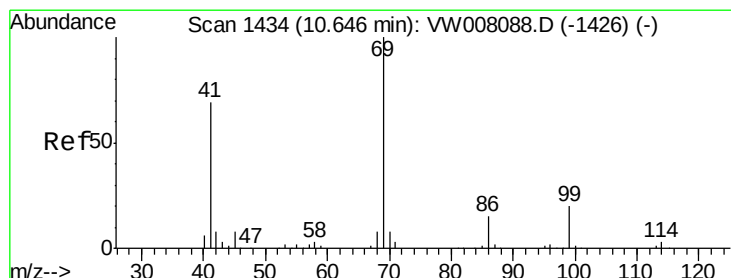
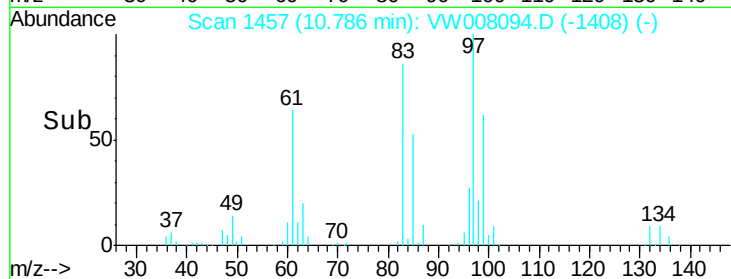
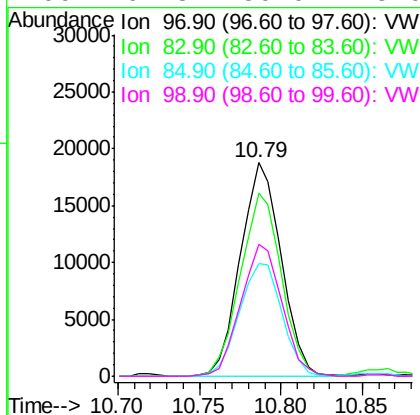
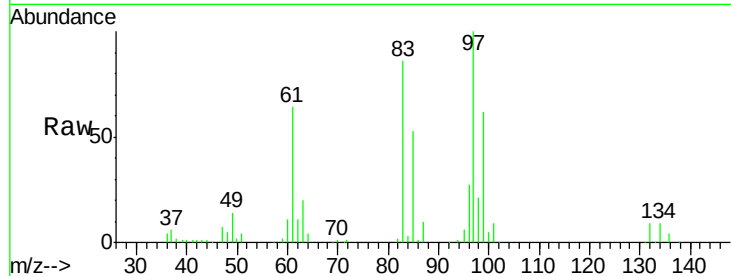
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	32681
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.3	103.9
85	52.8	43.8	65.6
99	61.8	50.0	75.0

Manual Integrations
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MMDadoda
1/10/2019 4:50:52 PM



#56

Ethyl methacrylate

Concen: 47.022 ug/l

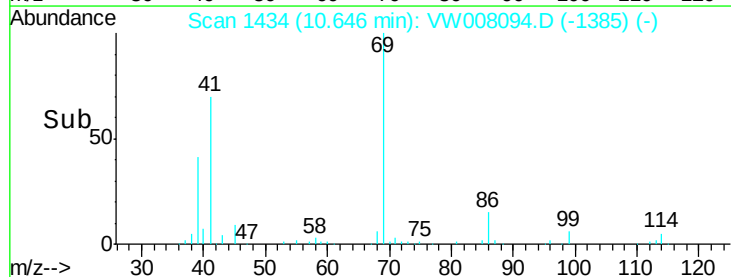
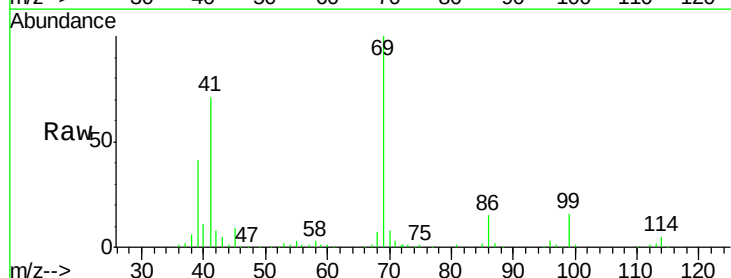
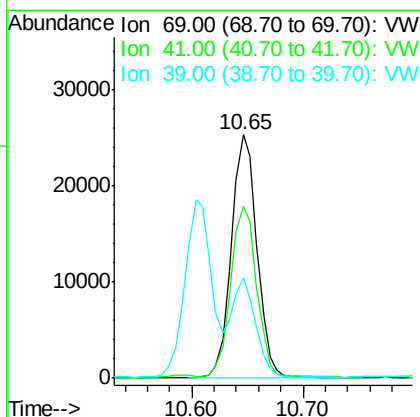
RT: 10.65 min Scan# 1434

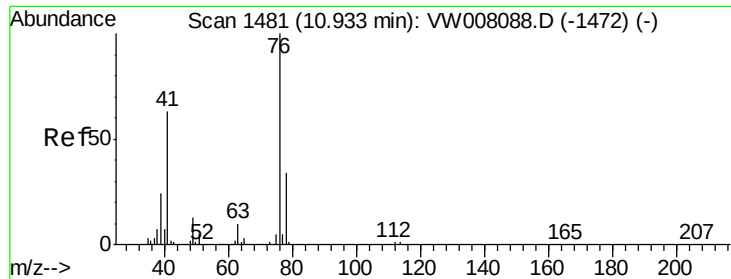
Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion:	69	Resp:	40391
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.4	84.6
39	37.4	28.1	42.1





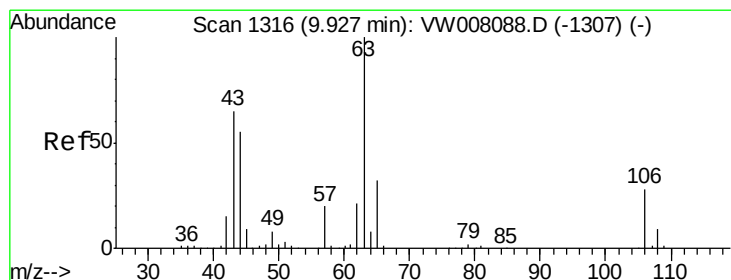
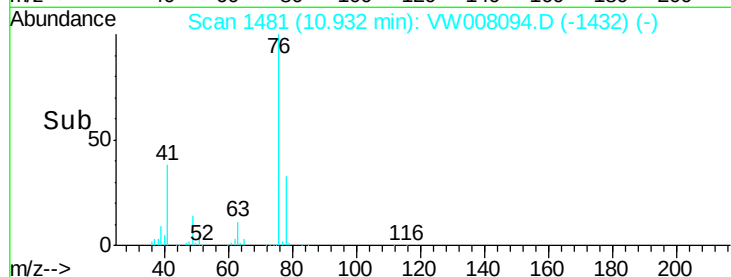
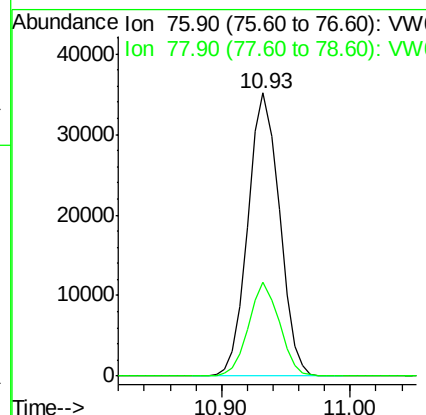
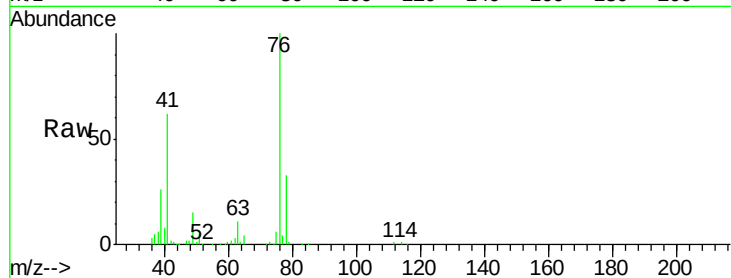
#57
 1,3-Dichloropropane
 Concen: 46.995 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 59614
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

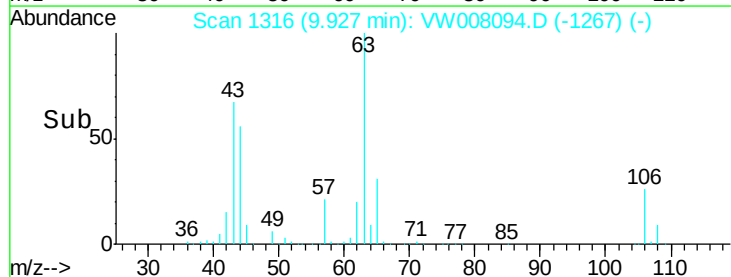
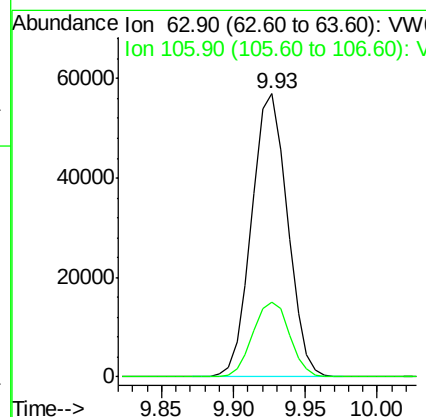
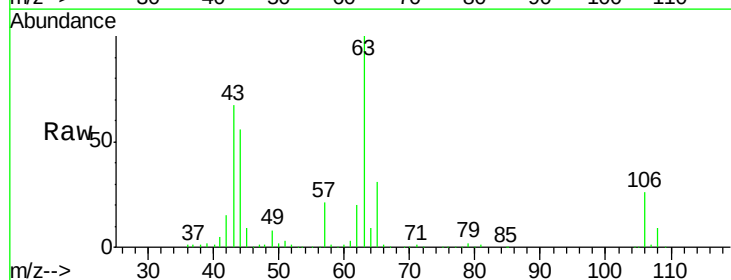
Manual Integrations
 APPROVED

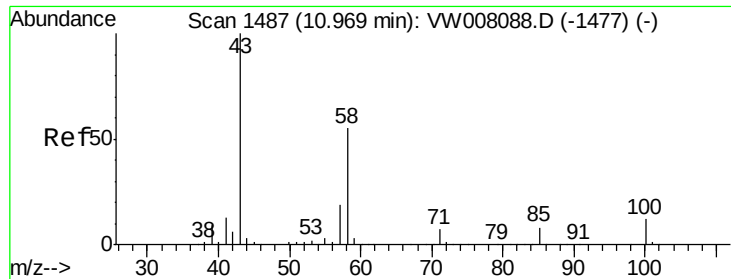
MMDadoda
 1/10/2019 4:50:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.040 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion: 63 Resp: 98076
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.6





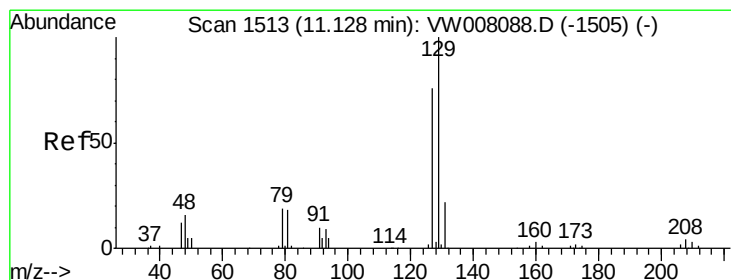
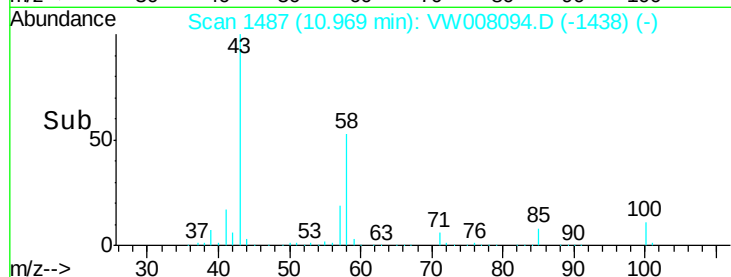
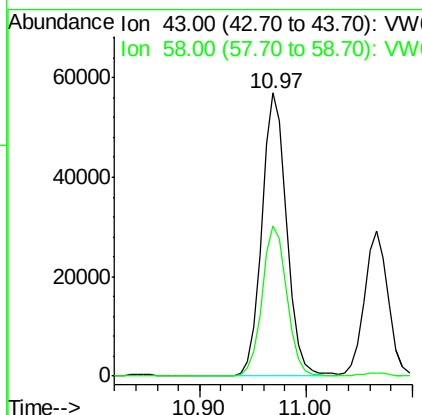
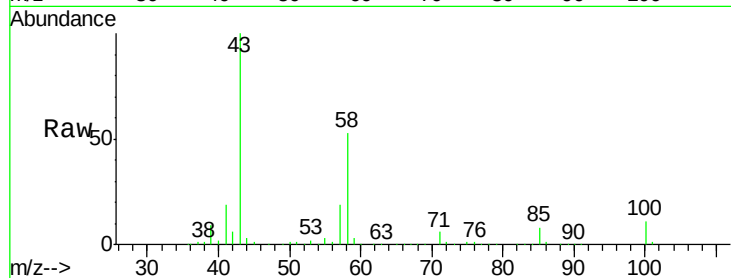
#59
2-Hexanone
Concen: 237.408 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 93110
Ion Ratio Lower Upper
43 100
58 52.9 27.2 81.5

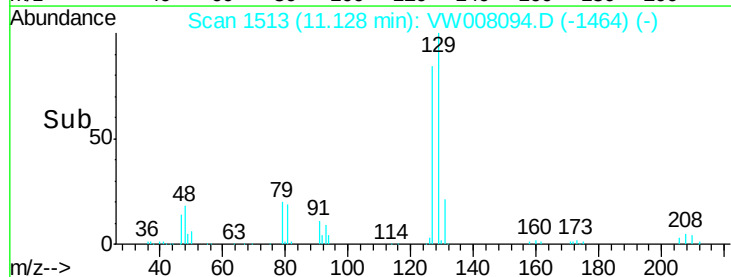
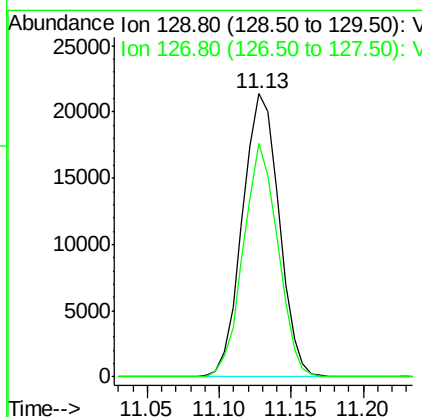
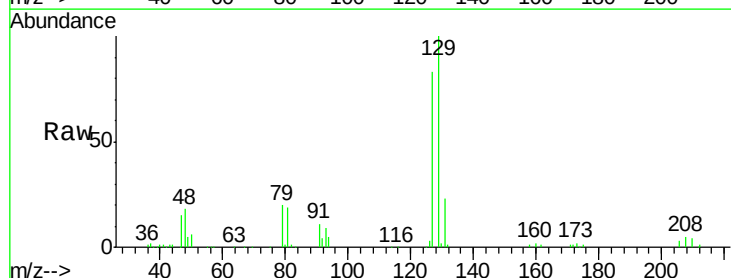
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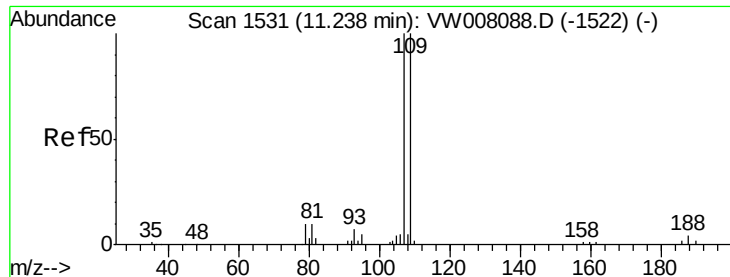
MMDadoda
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#60
Dibromochloromethane
Concen: 49.500 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion: 129 Resp: 37702
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 46.966 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 30910

Ion Ratio Lower Upper

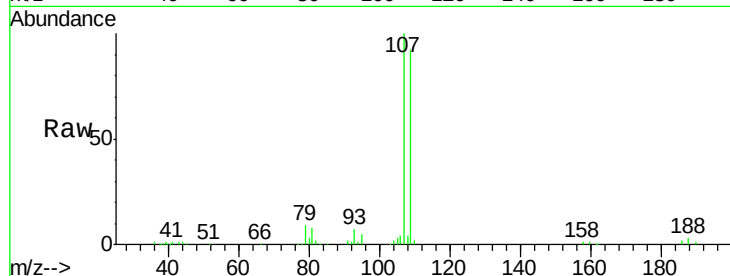
107 100

109 94.0 75.9 113.9

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1/10/2019 4:50:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

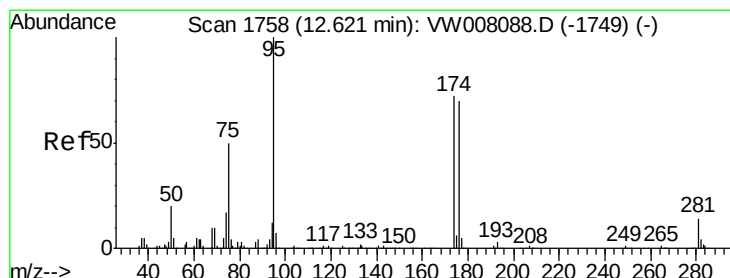
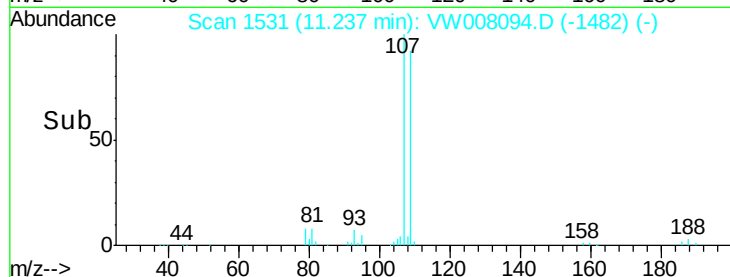
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 52.743 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

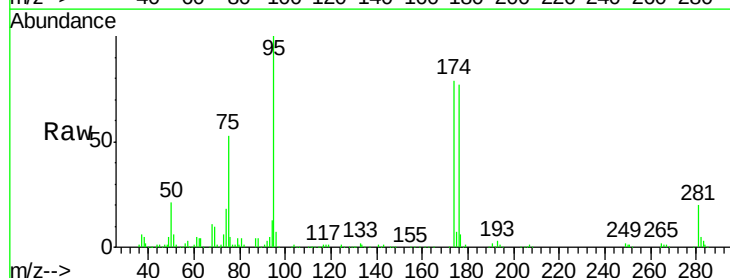
Tgt Ion: 95 Resp: 67198

Ion Ratio Lower Upper

95 100

174 77.6 0.0 143.0

176 76.3 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

50000

40000

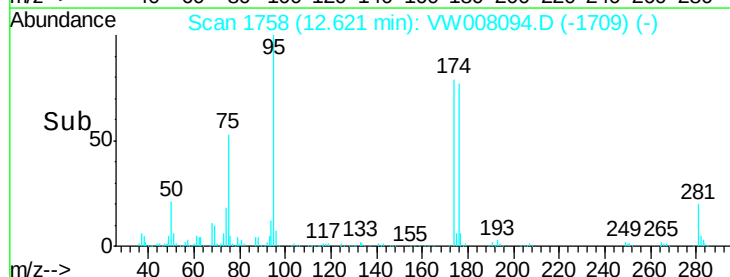
30000

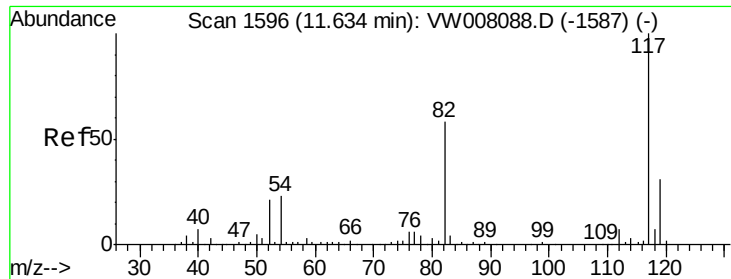
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





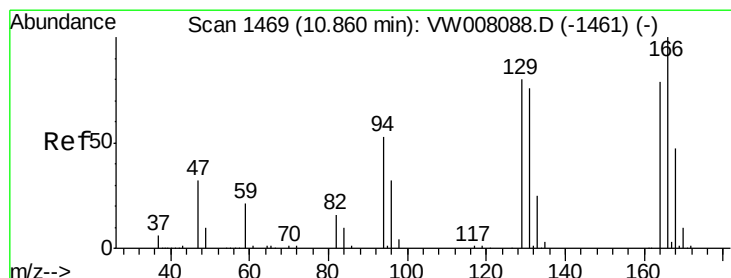
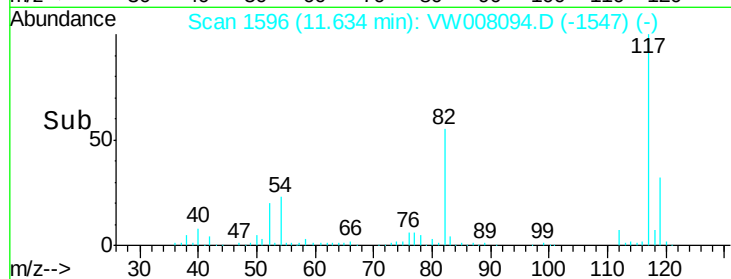
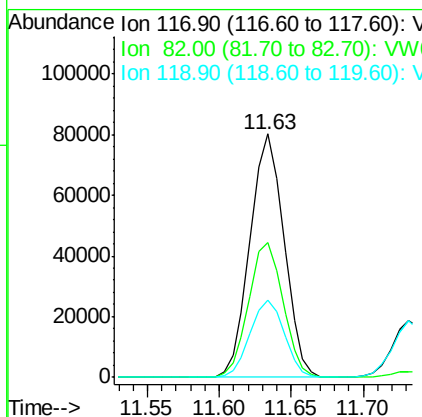
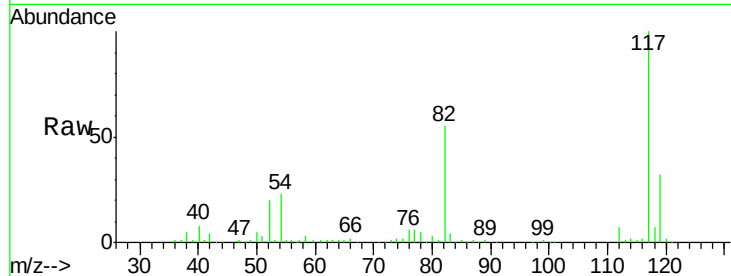
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.4	69.6
119	31.7	24.7	37.1

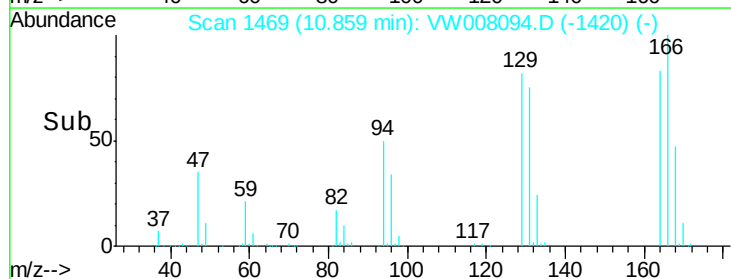
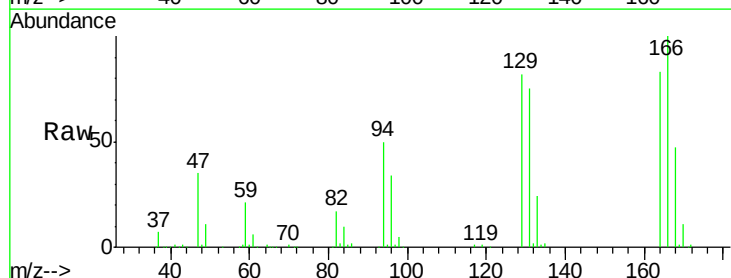
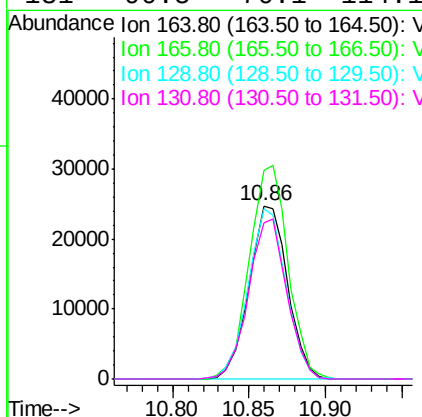
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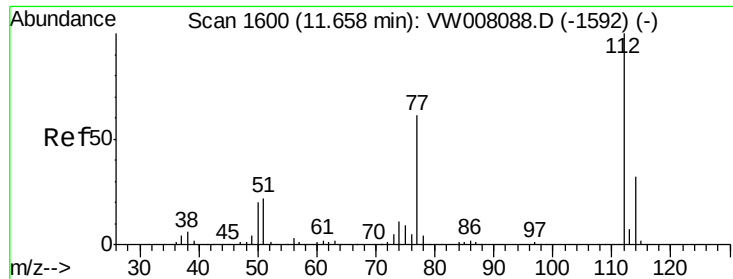
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1/10/2019 4:50:52 PM



#64
Tetrachloroethene
Concen: 50.720 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	100.7	151.1
129	98.4	81.0	121.4
131	90.5	76.1	114.1





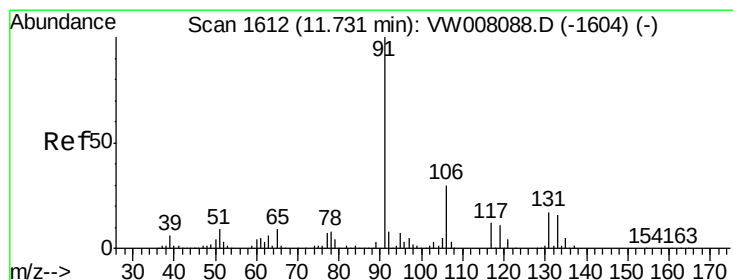
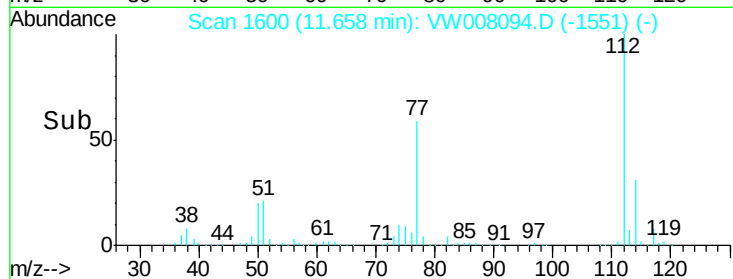
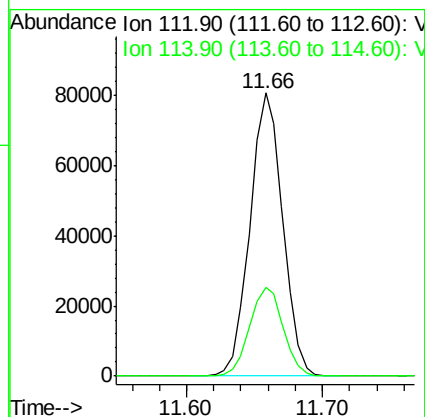
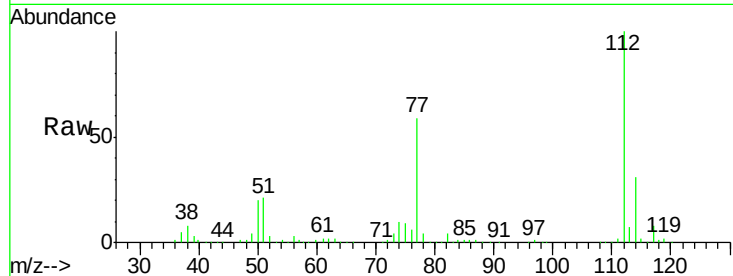
#65
Chlorobenzene
Concen: 48.773 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 135732
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4

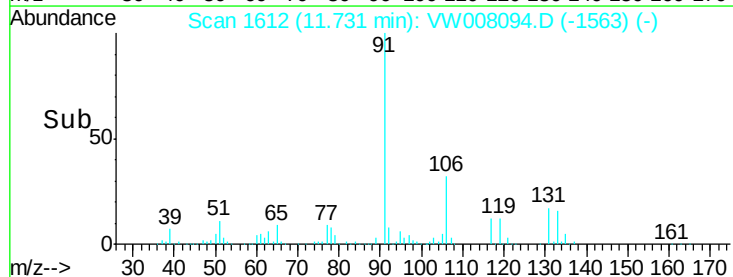
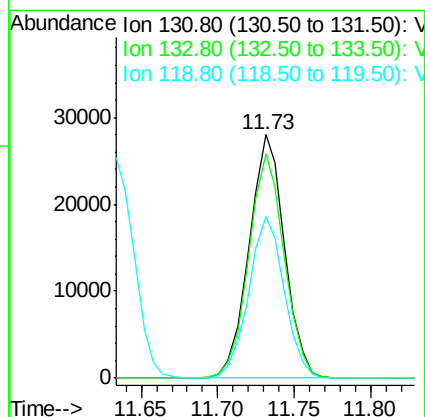
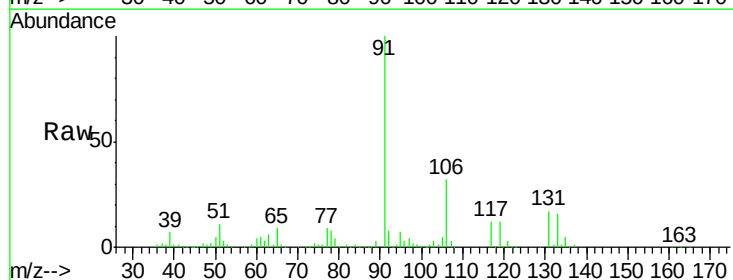
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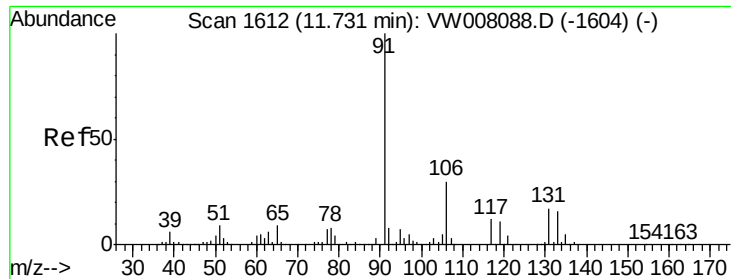
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1/10/2019 4:50:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.782 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion:131 Resp: 45061
Ion Ratio Lower Upper
131 100
133 92.6 47.9 143.7
119 66.5 32.5 97.4





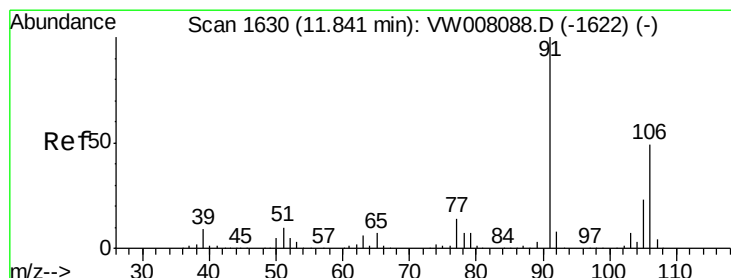
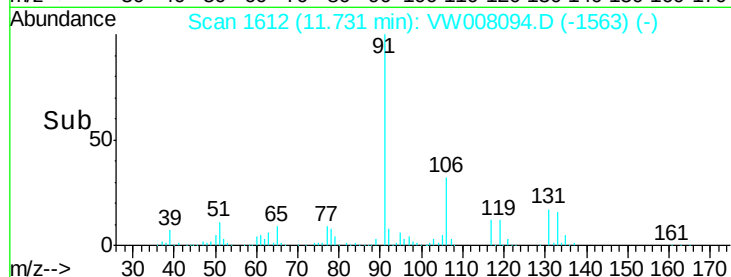
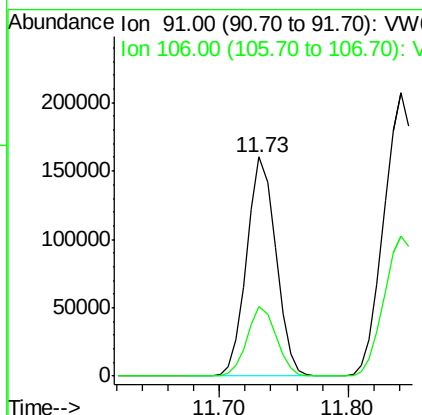
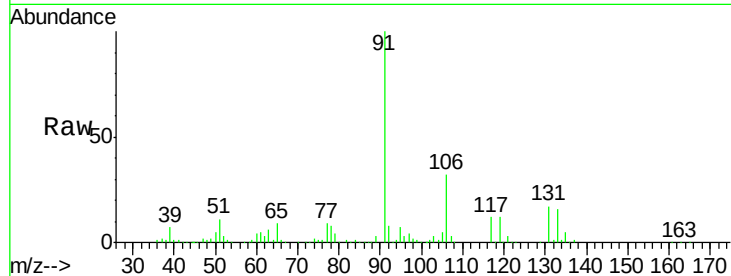
#67
Ethyl Benzene
Concen: 49.165 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 250350
Ion Ratio Lower Upper
91 100
106 31.9 24.2 36.4

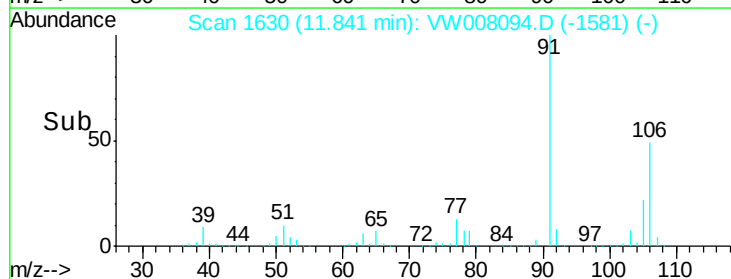
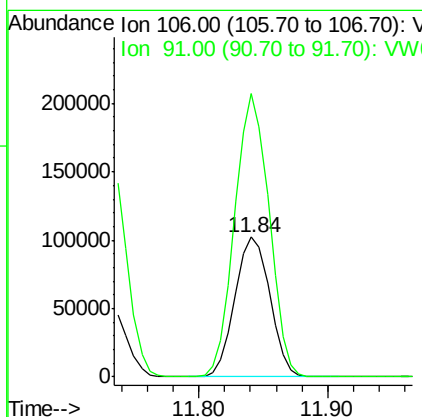
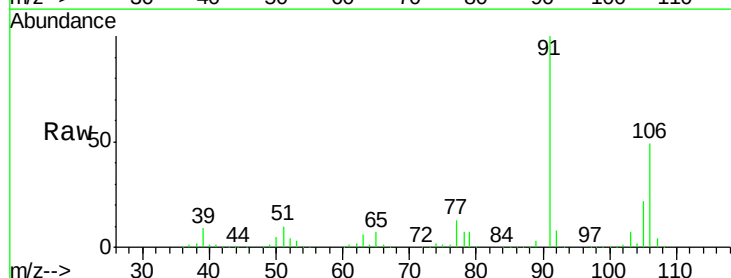
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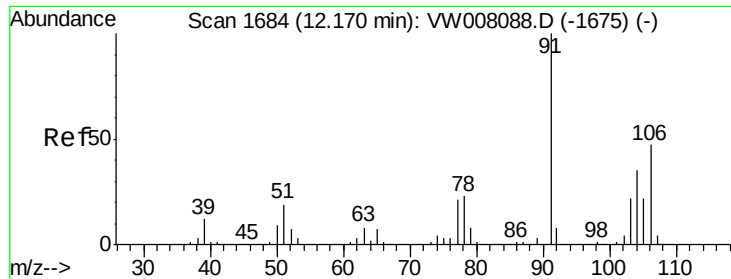
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1/10/2019 4:50:52 PM



#68
m/p-Xylenes
Concen: 99.315 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion: 106 Resp: 193026
Ion Ratio Lower Upper
106 100
91 198.8 162.4 243.6





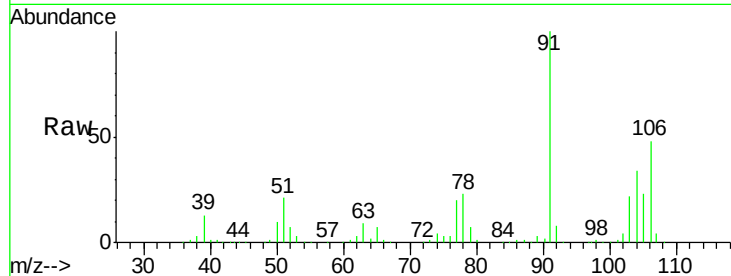
#69
o-Xylene
Concen: 49.931 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

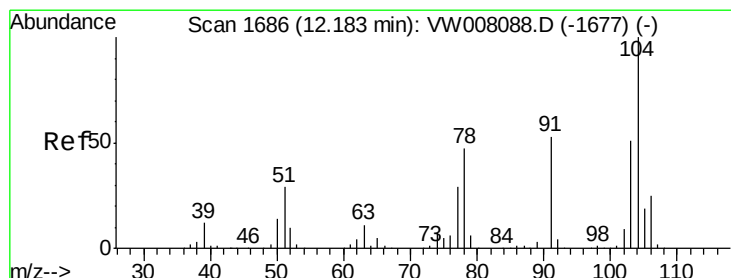
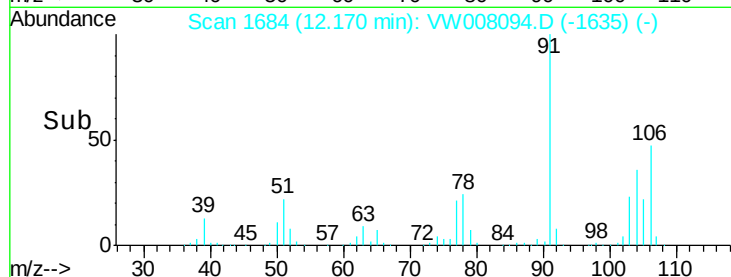
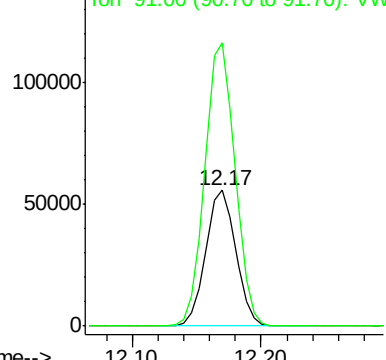
Tot Ion:106 Resp: 89868
Ion Ratio Lower Upper
106 100
91 211.2 107.8 323.6

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1/10/2019 4:50:52 PM

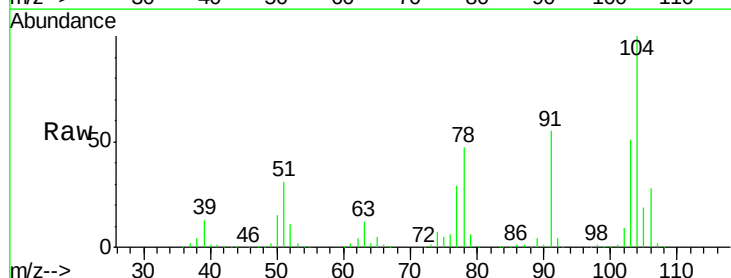


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

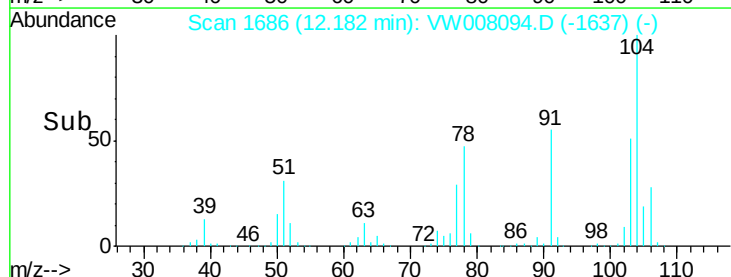
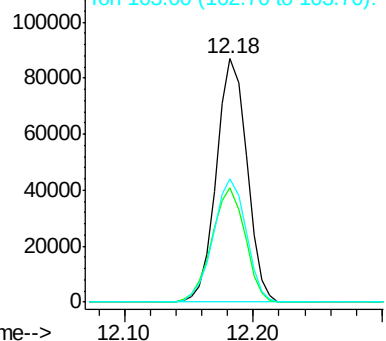


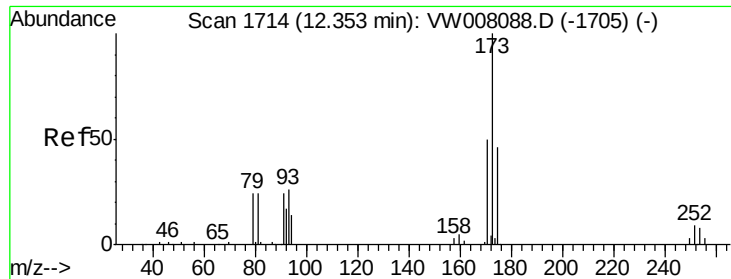
#70
Styrene
Concen: 50.386 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion:104 Resp: 142045
Ion Ratio Lower Upper
104 100
78 51.3 41.8 62.8
103 54.7 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.100 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 20296

Ion Ratio Lower Upper

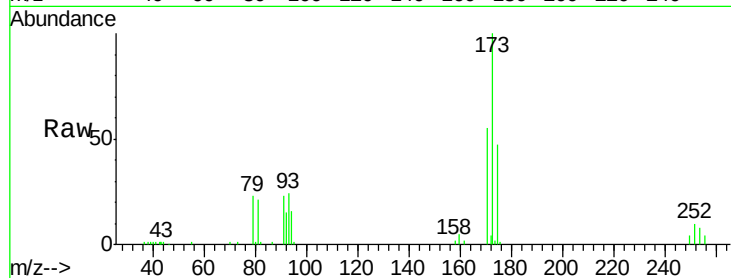
173 100

175 47.9 23.3 69.8

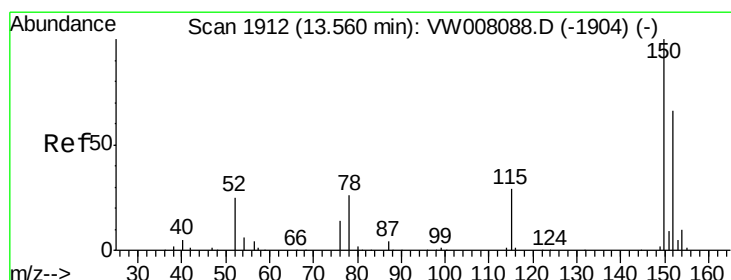
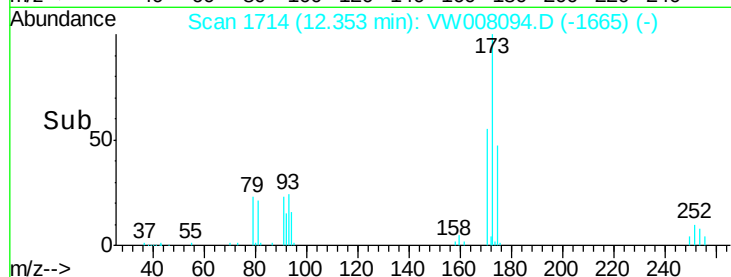
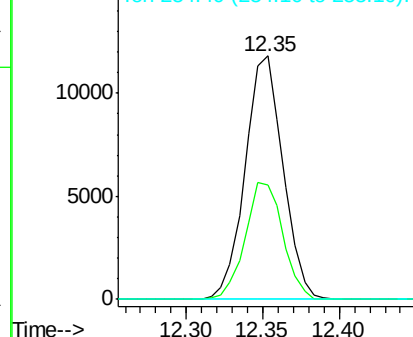
254 0.0 0.0 0.0

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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: VW008094.D

Acq: 09 Jan 2019 11:00

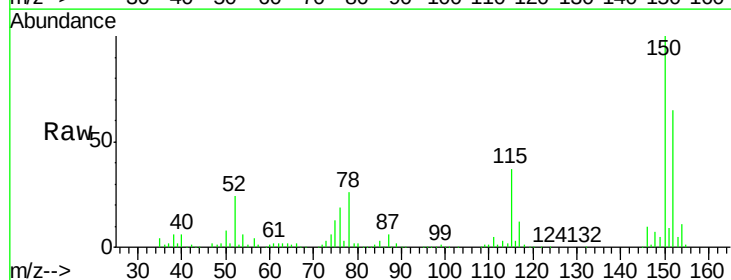
Tgt Ion:152 Resp: 63399

Ion Ratio Lower Upper

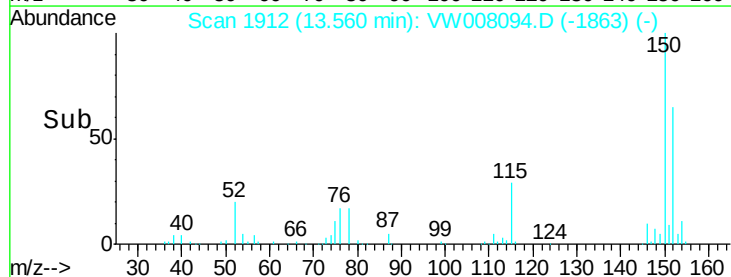
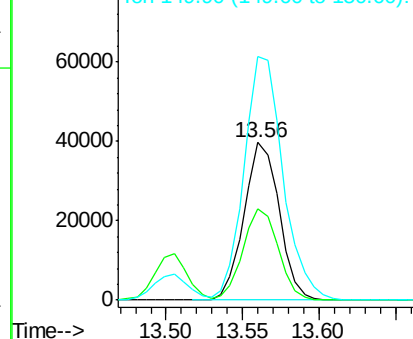
152 100

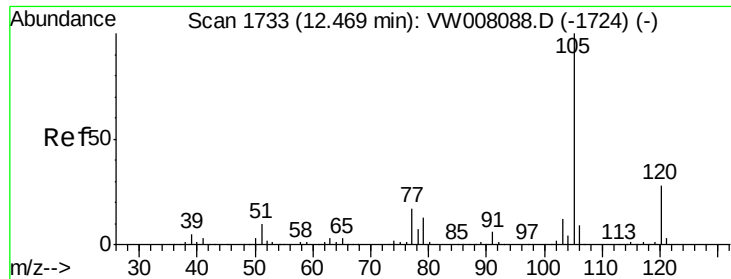
115 58.3 30.8 92.4

150 171.4 0.0 350.2



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: 49.742 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 247587

Ion Ratio Lower Upper

105 100

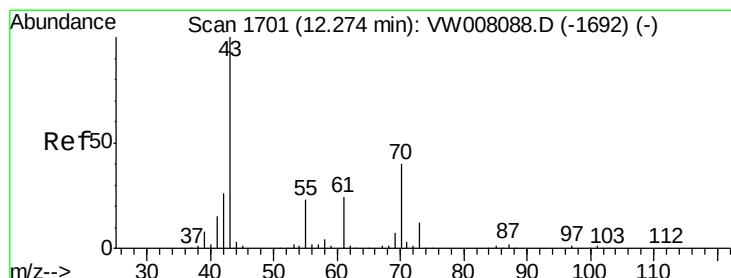
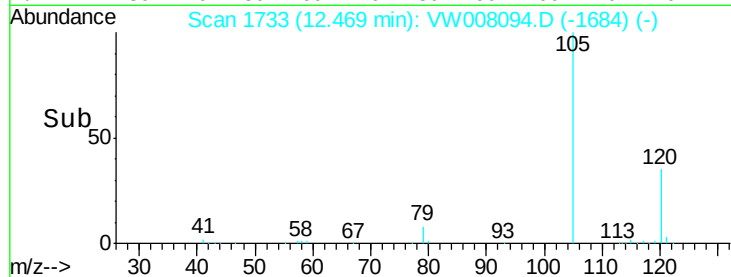
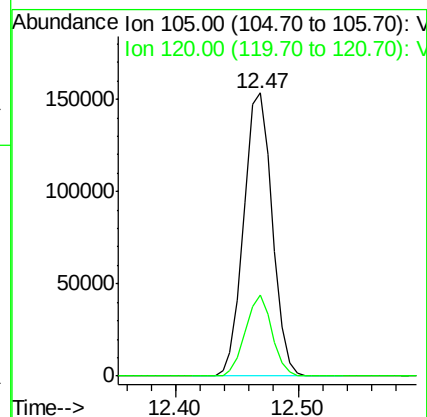
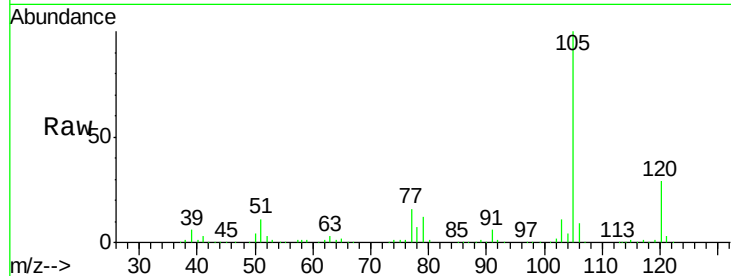
120 26.9 13.6 40.8

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1/10/2019 4:50:52 PM



#74

N-ethyl acetate

Concen: 47.360 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion: 43 Resp: 52204

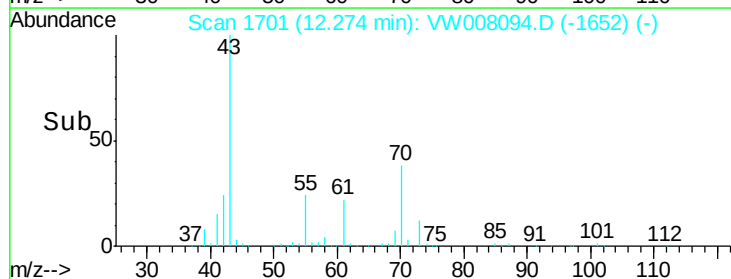
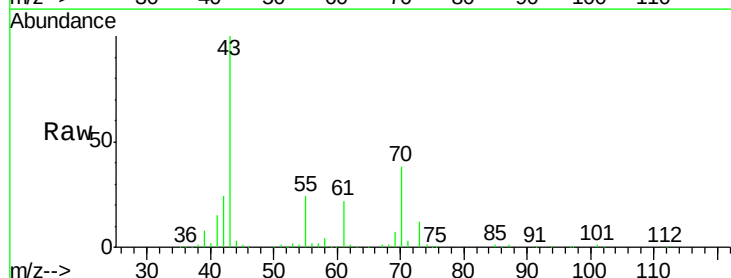
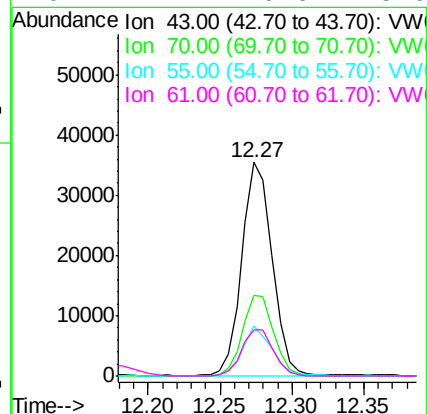
Ion Ratio Lower Upper

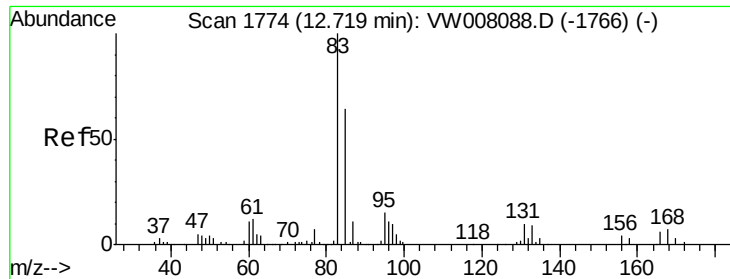
43 100

70 38.8 32.4 48.6

55 22.5 18.7 28.1

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.802 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

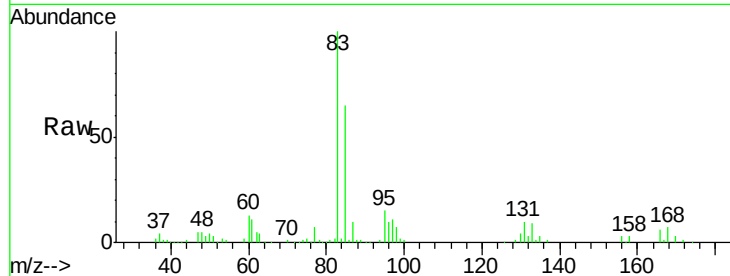
ClientSampleId :

VSTDCCC050

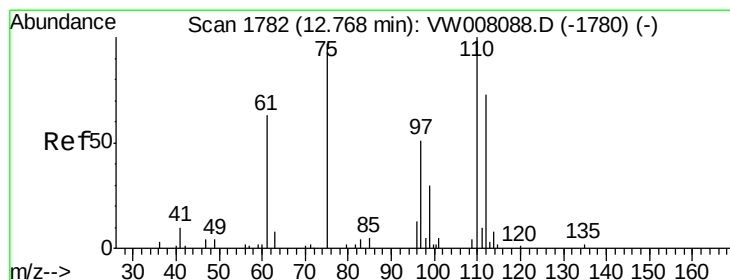
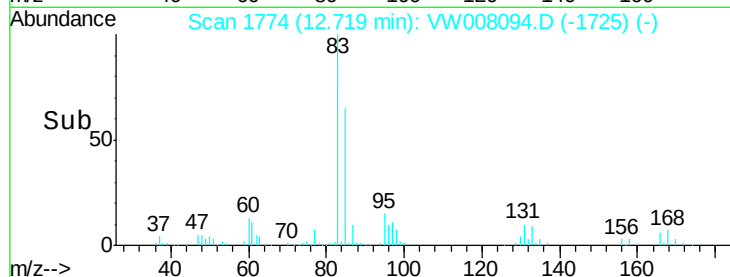
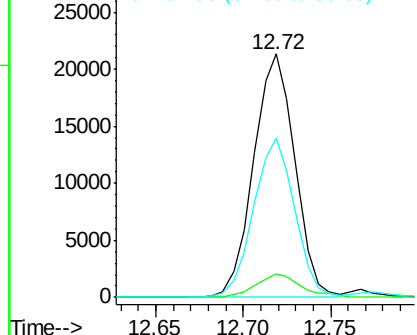
Tot Ion:	83	Resp:	34897
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	65.1	32.4	97.2

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 45.511 ug/l m

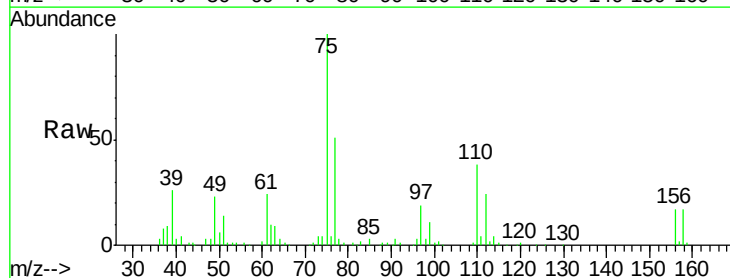
RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

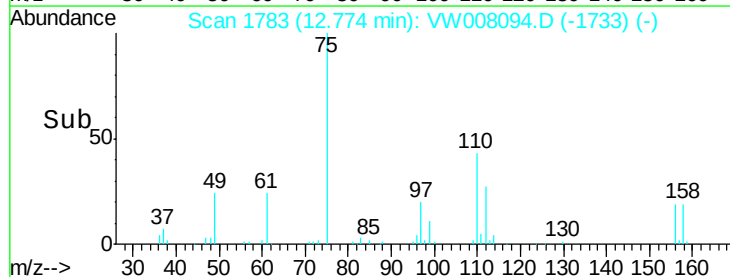
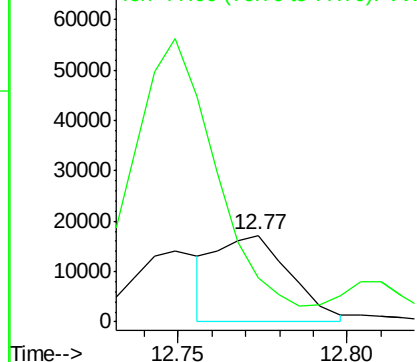
Lab File: VW008094.D

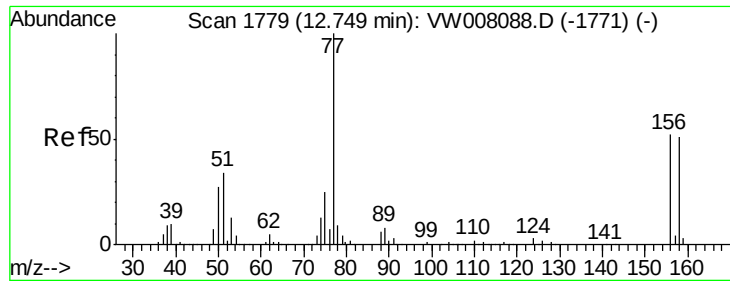
Acq: 09 Jan 2019 11:00

Tgt Ion:	75	Resp:	26303
Ion Ratio	Lower	Upper	
75	100		
77	0.0	179.4	538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.941 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

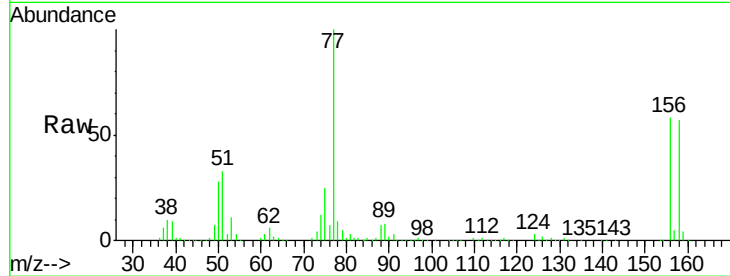
ClientSampleId :

VSTDCCC050

Tot Ion	156	Resp	51472
Ion Ratio	Lower	Upper	
156	100		
77	192.1	104.2	312.5
158	97.6	47.9	143.6

Manual Integrations
APPROVED

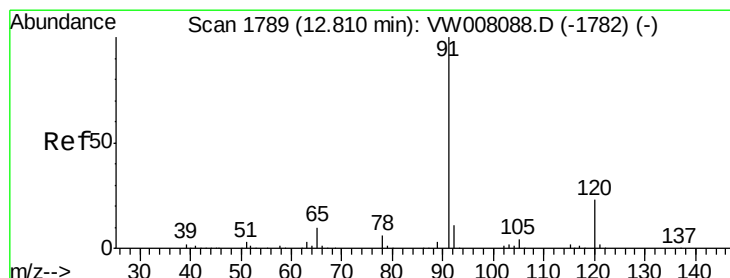
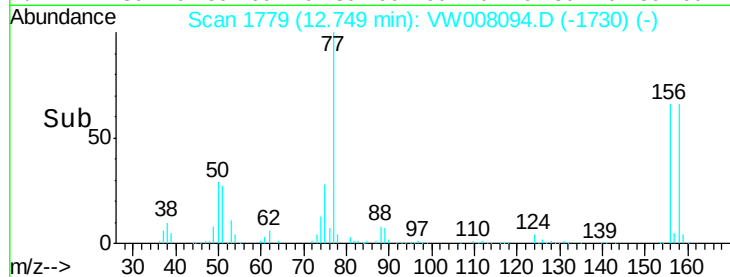
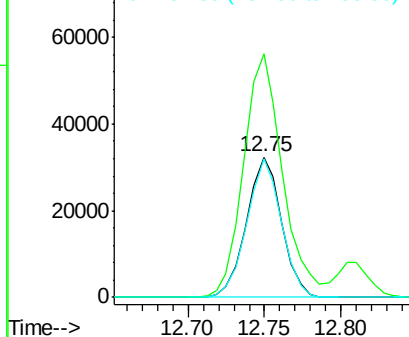
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.502 ug/l

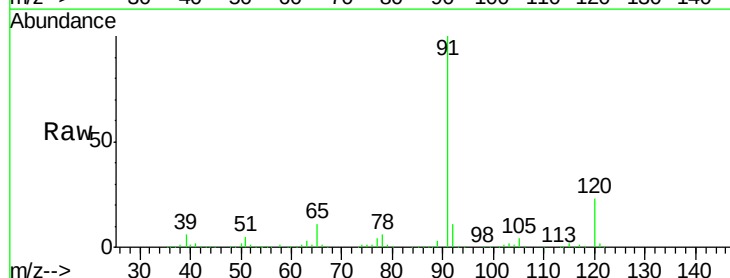
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008094.D

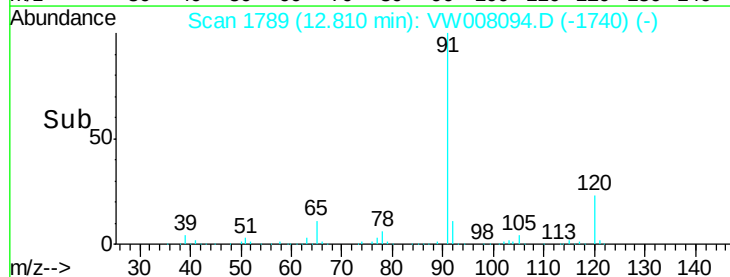
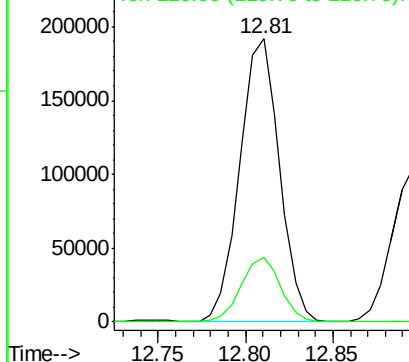
Acq: 09 Jan 2019 11:00

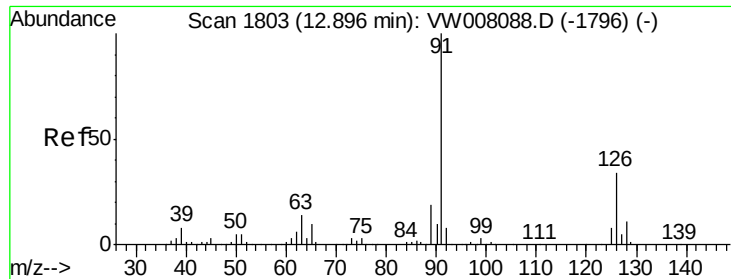
Tgt Ion	91	Resp	301901
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.102 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 163668

Ion Ratio Lower Upper

91 100

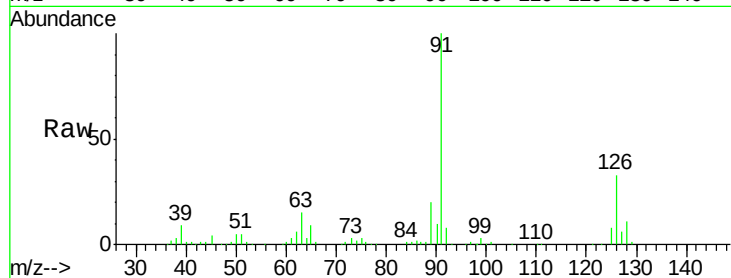
126 33.7 16.8 50.3

Manual Integrations

APPROVED

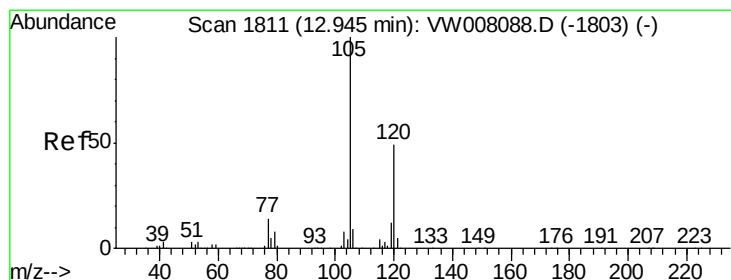
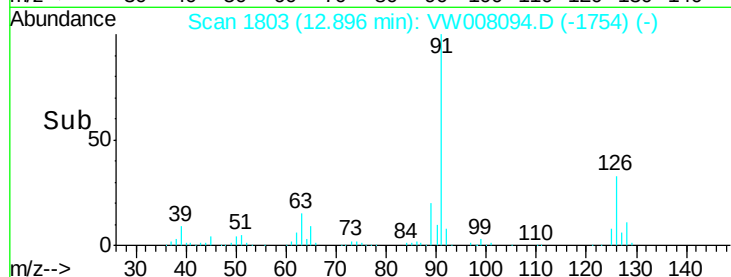
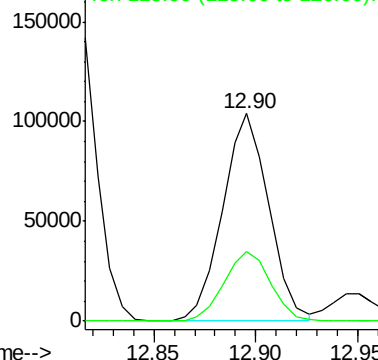
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.632 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008094.D

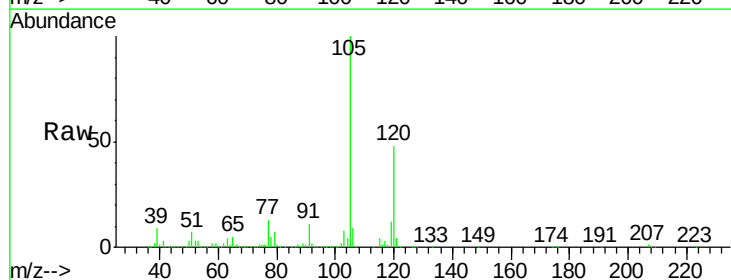
Acq: 09 Jan 2019 11:00

Tgt Ion:105 Resp: 203006

Ion Ratio Lower Upper

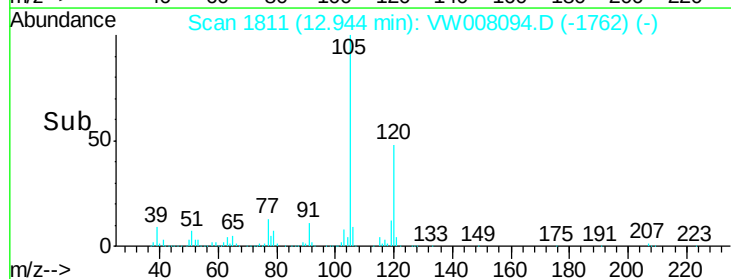
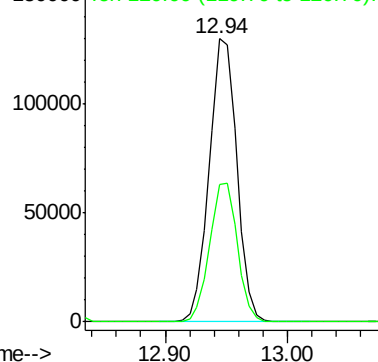
105 100

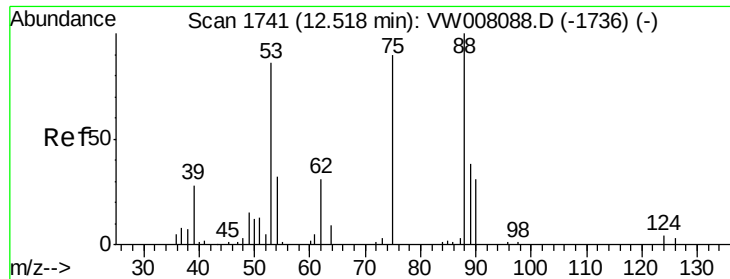
120 49.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





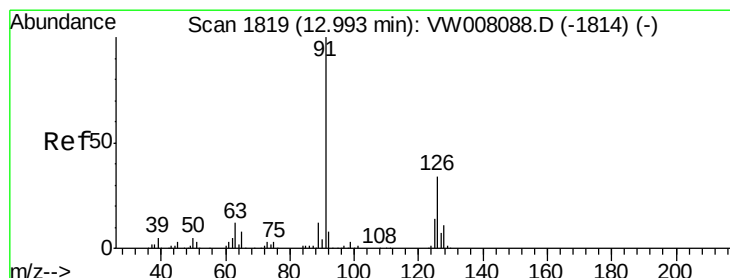
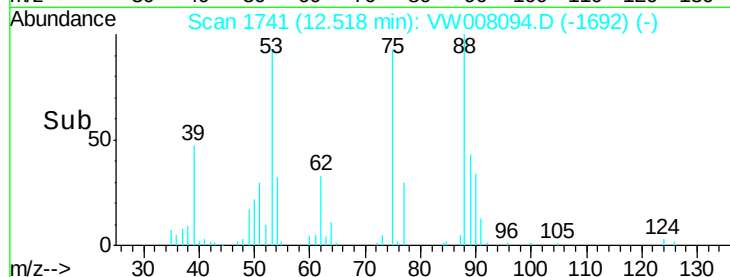
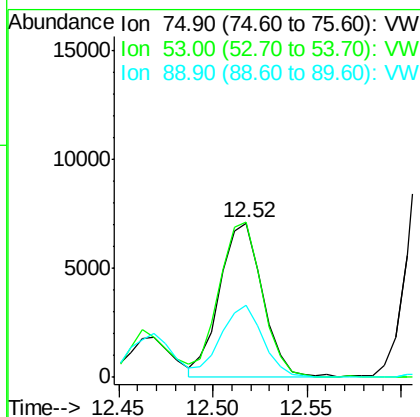
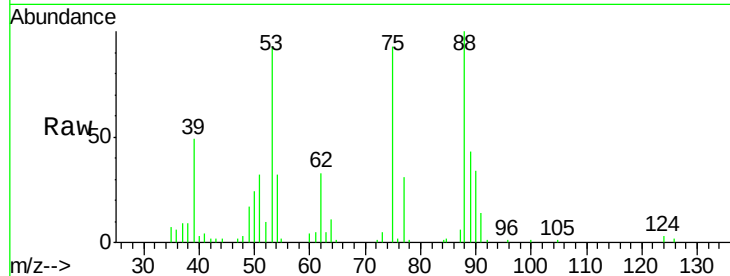
#81
trans-1,4-Dichloro-2-butene
Concen: 45.333 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.3	78.8	118.2
89	45.7	35.4	53.2

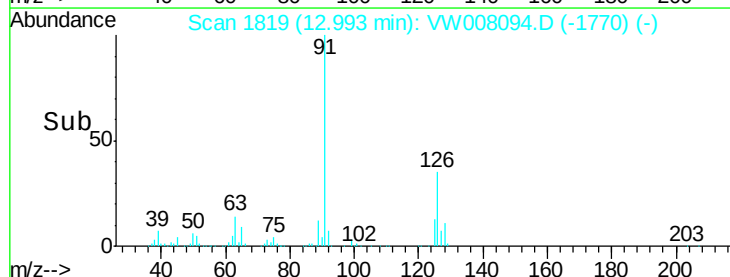
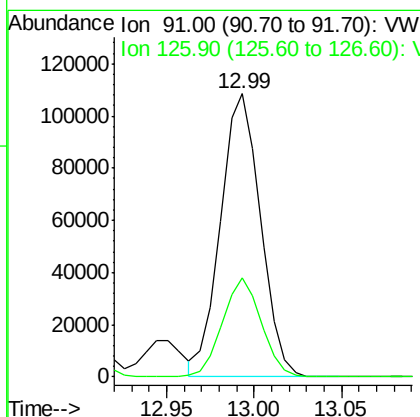
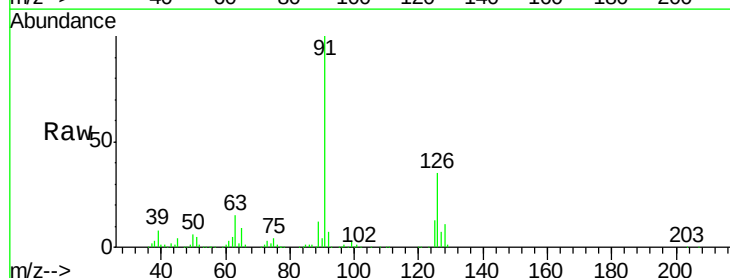
Manual Integrations
APPROVED

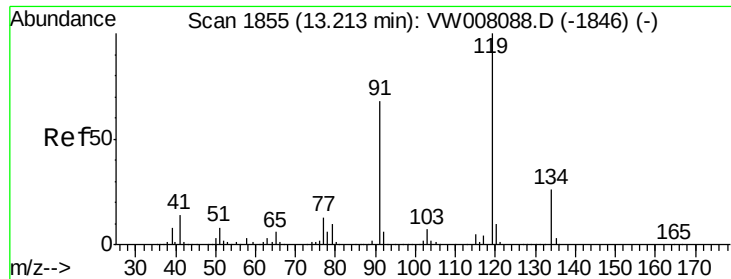
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1/10/2019 4:50:52 PM



#82
4-Chlorotoluene
Concen: 48.091 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.5	49.5





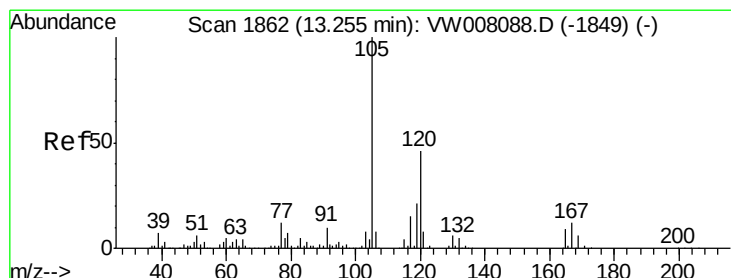
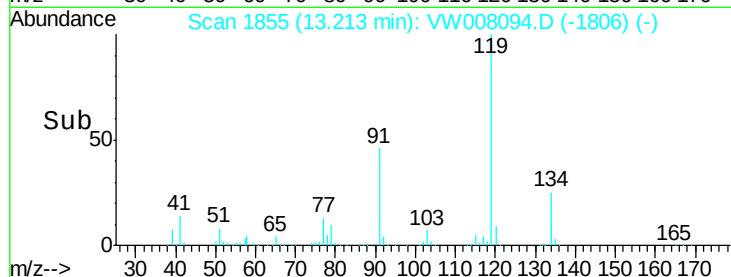
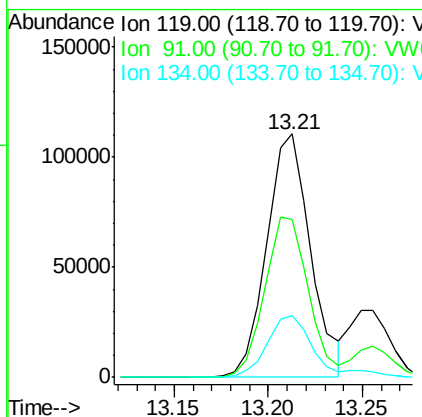
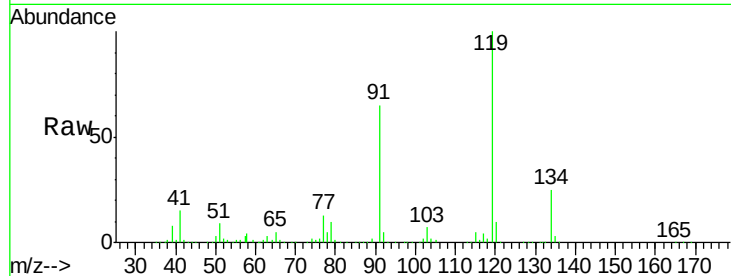
#83
tert-Butylbenzene
Concen: 49.411 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.9	101.6
134	27.2	13.6	40.8

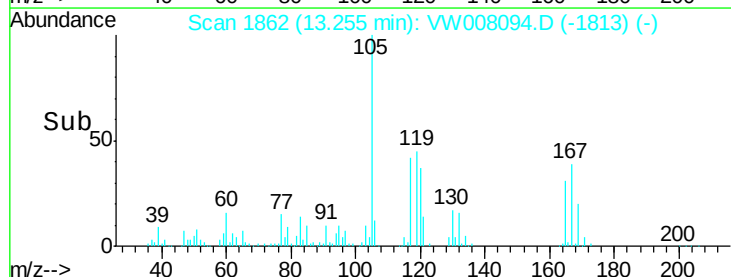
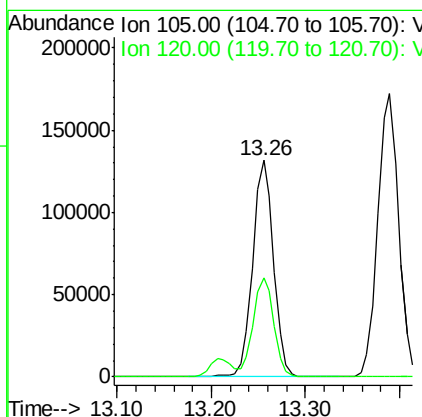
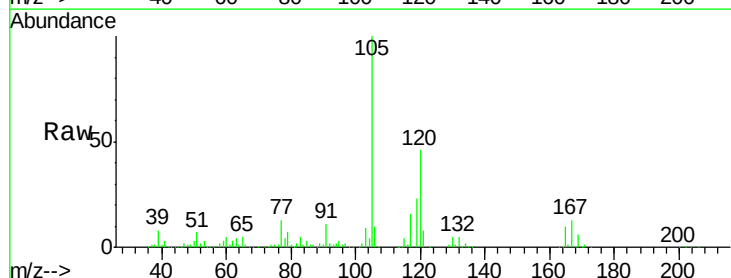
Manual Integrations
APPROVED

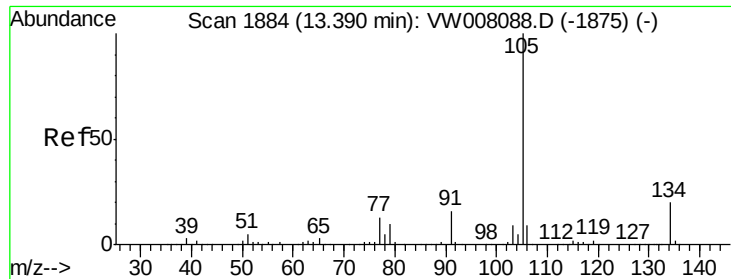
MMDadoda
1/10/2019 4:50:52 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.733 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 49.697 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 263427

Ion Ratio Lower Upper

105 100

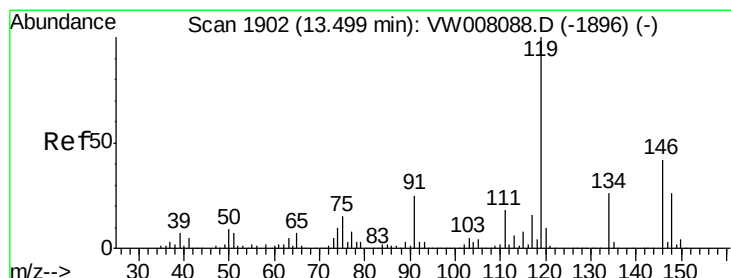
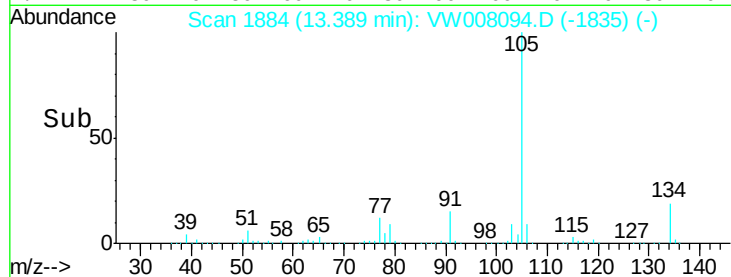
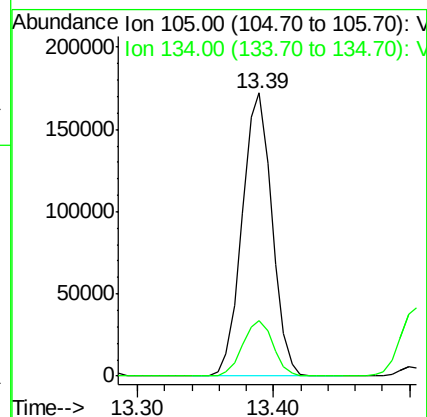
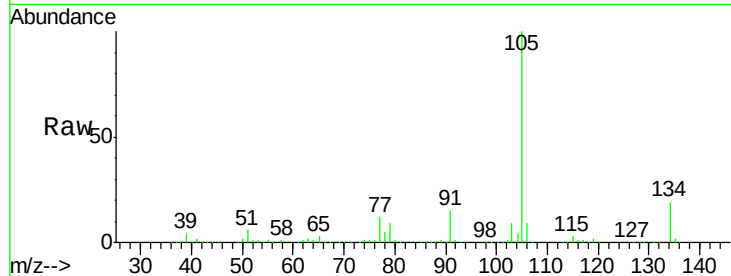
134 19.8 10.1 30.1

Manual Integrations

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1/10/2019 4:50:52 PM



#86

p-Isopropyltoluene

Concen: 49.647 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

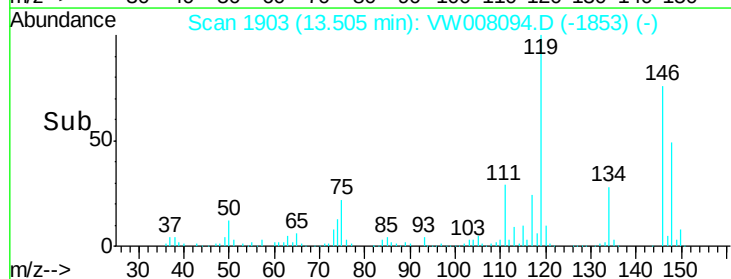
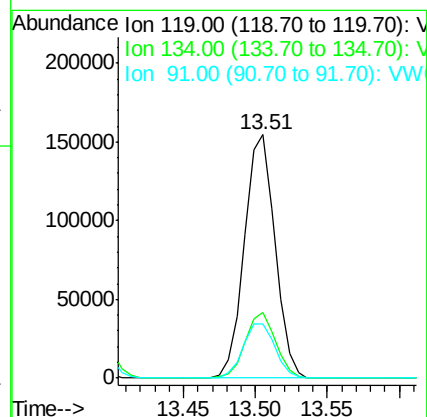
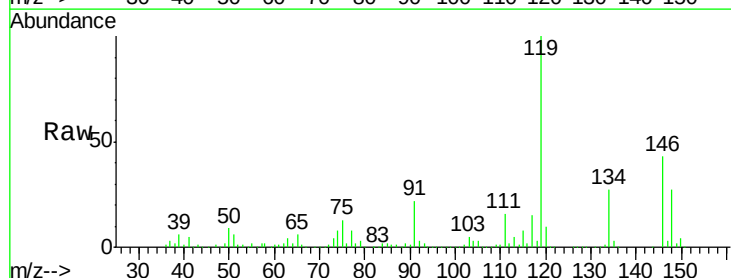
Tgt Ion:119 Resp: 227254

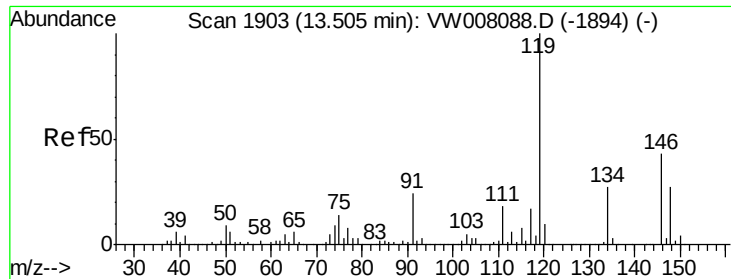
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 49.582 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

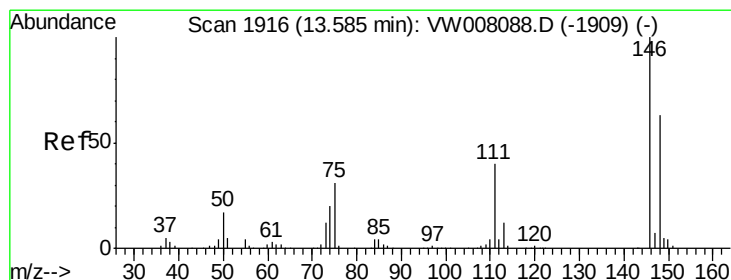
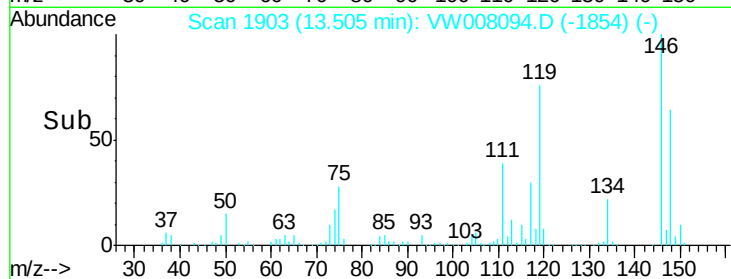
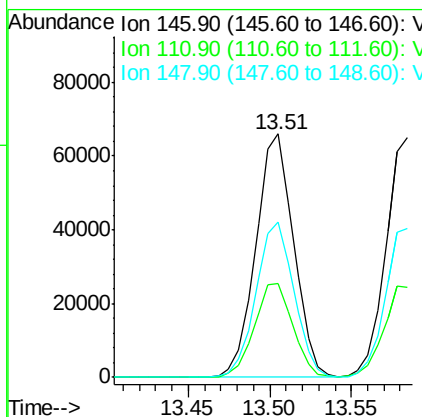
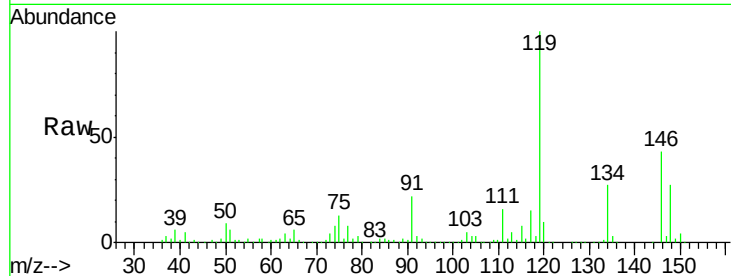
Instrument :
MSVOA_W

ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.1
148	64.1	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.523 ug/l

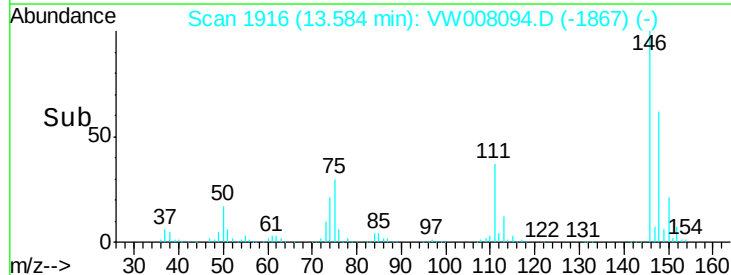
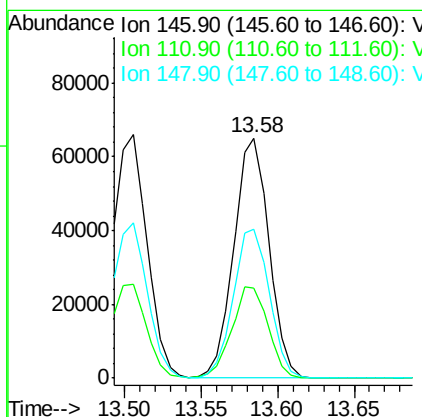
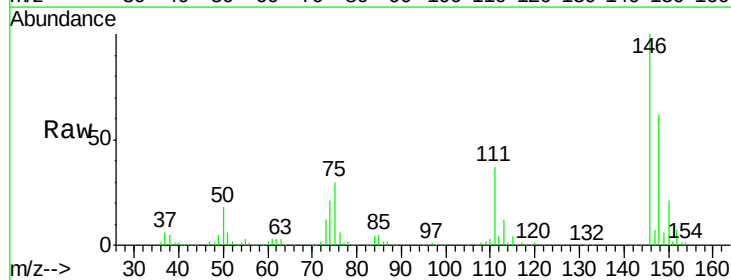
RT: 13.58 min Scan# 1916

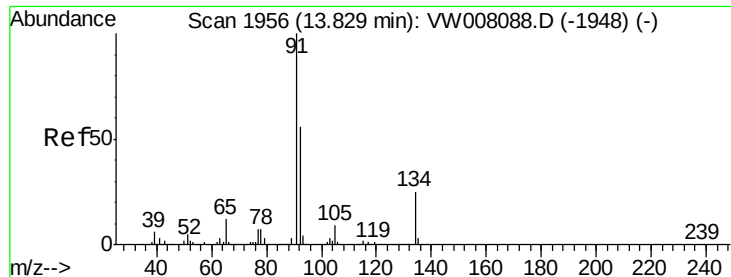
Delta R.T. -0.00 min

Lab File: VW008094.D

Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.5	61.5
148	64.0	31.6	94.8





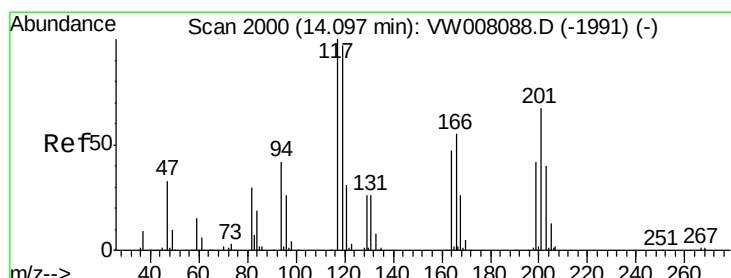
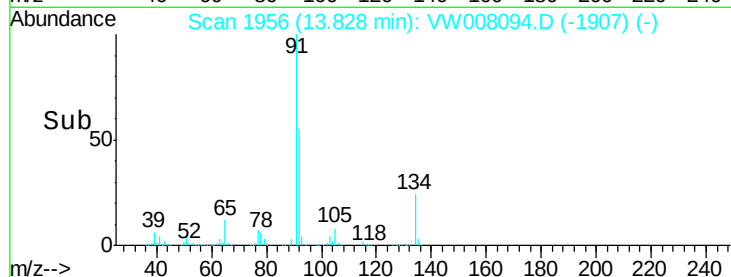
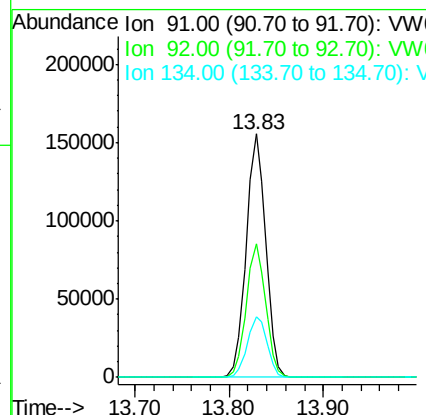
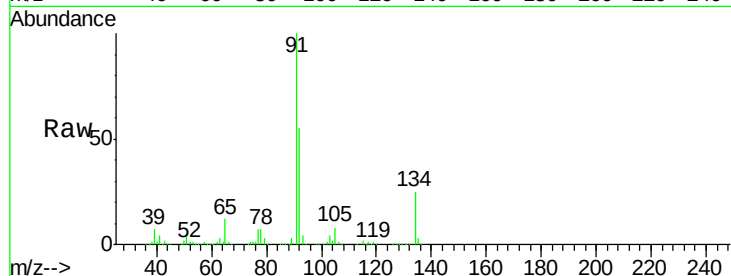
#89
n-Butylbenzene
Concen: 50.037 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.2
134	25.5	12.6	37.8

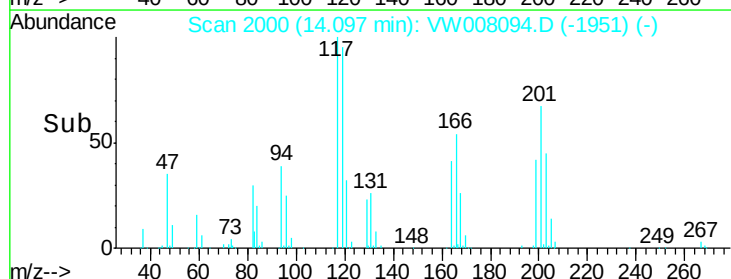
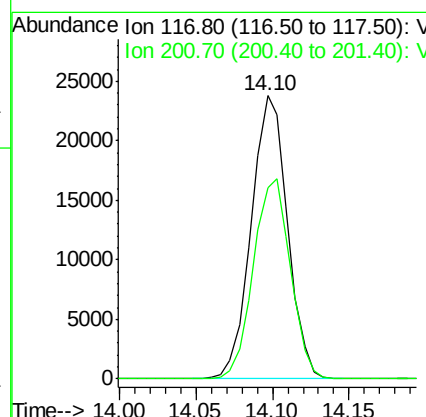
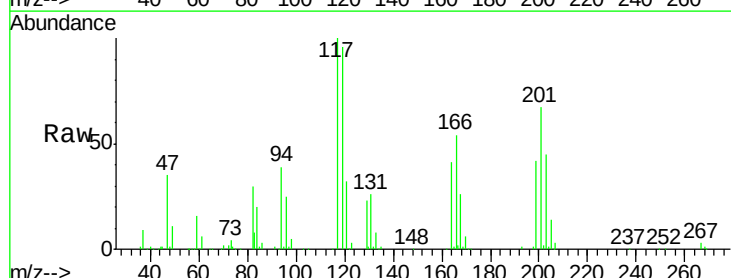
Manual Integrations
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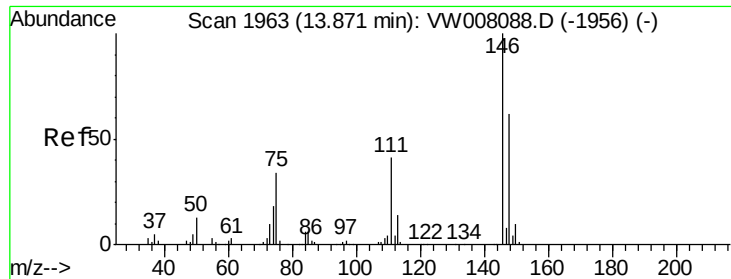
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1/10/2019 4:50:52 PM



#90
Hexachloroethane
Concen: 50.702 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	33.0	98.9





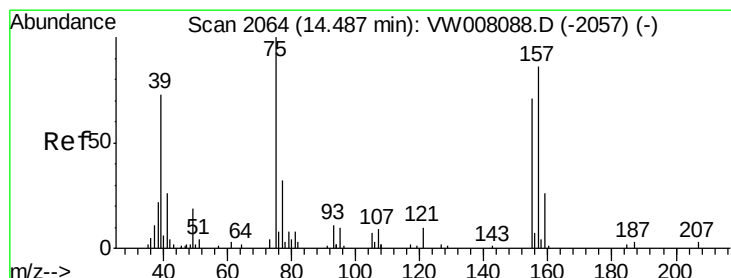
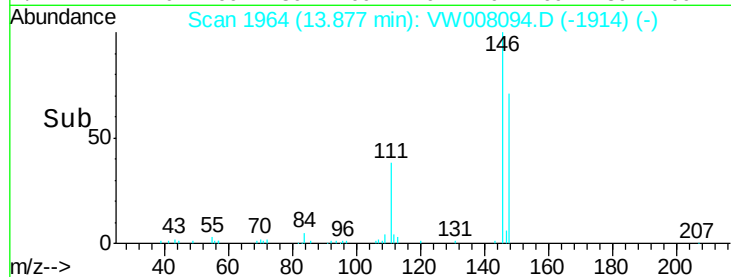
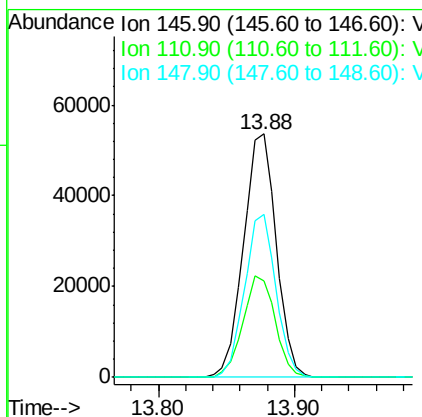
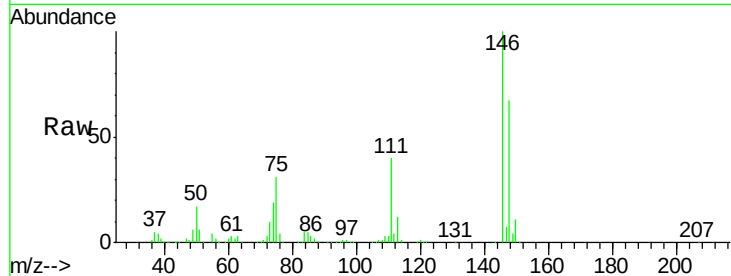
#91
 1,2-Dichlorobenzene
 Concen: 48.240 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	64.3	31.5	94.5

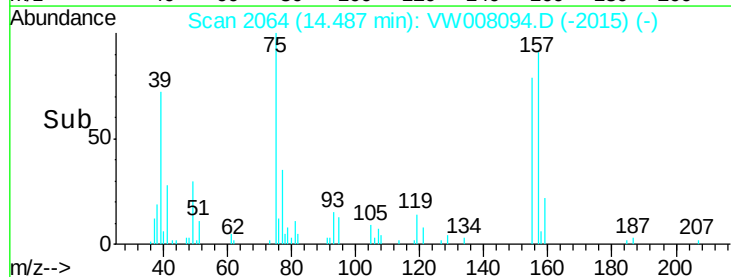
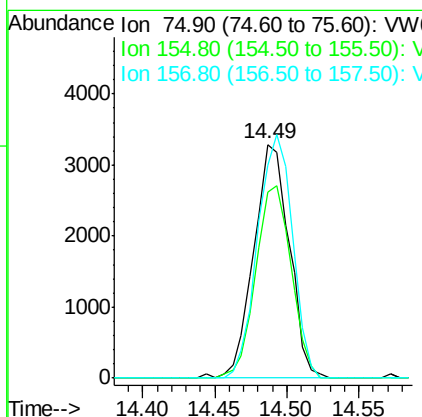
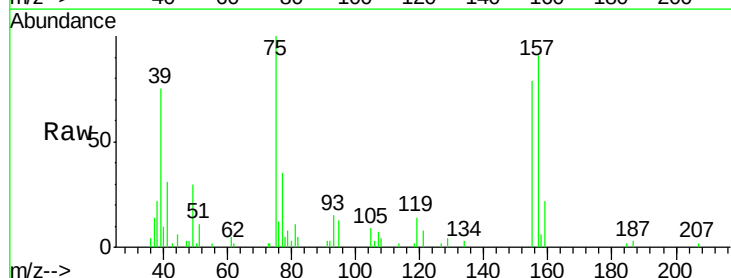
Manual Integrations
 APPROVED

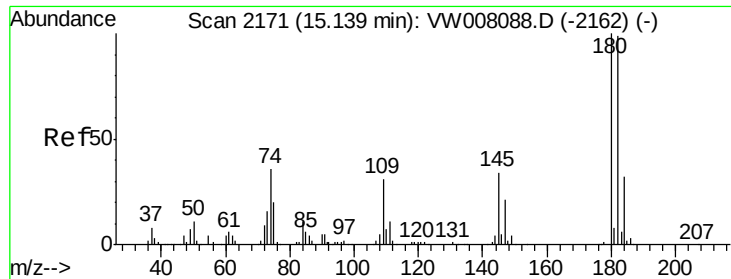
MMDadoda
 1/10/2019 4:50:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.770 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	38.6	115.7
157	102.1	47.5	142.6





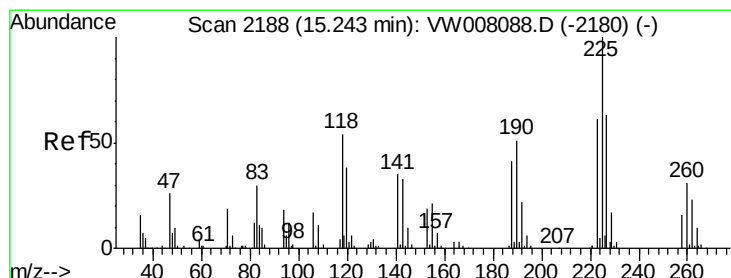
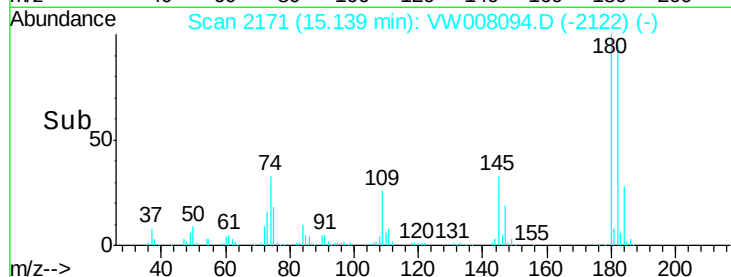
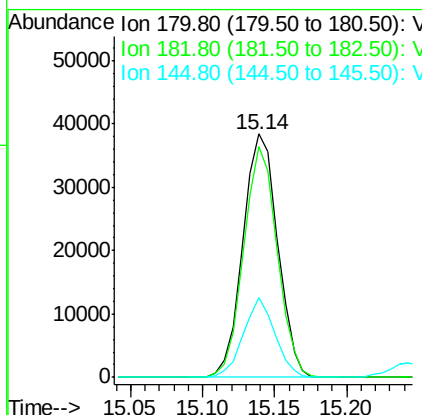
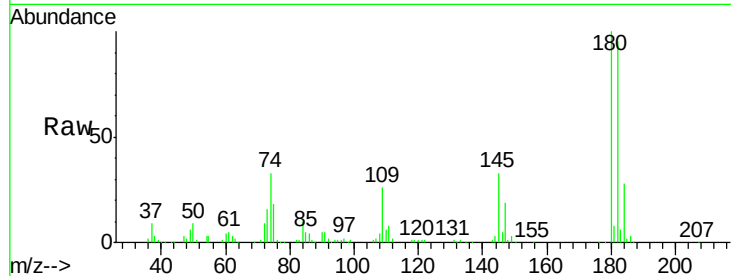
#93
 1,2,4-Trichlorobenzene
 Concen: 51.420 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64010		
182	91.6		48.6	145.9
145	29.8		16.6	49.7

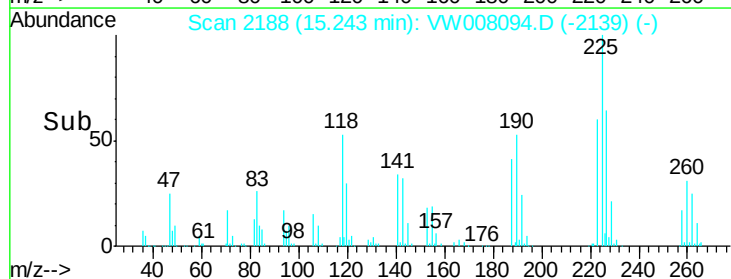
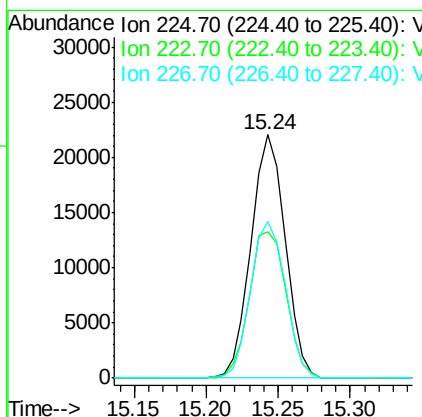
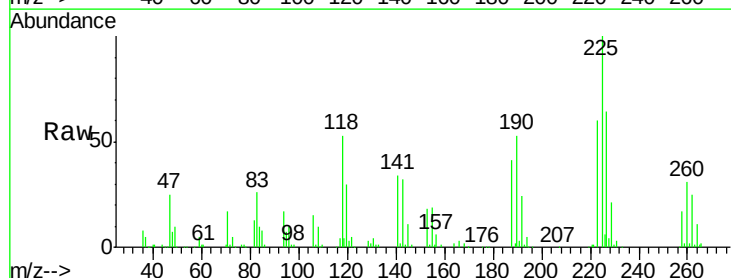
Manual Integrations
 APPROVED

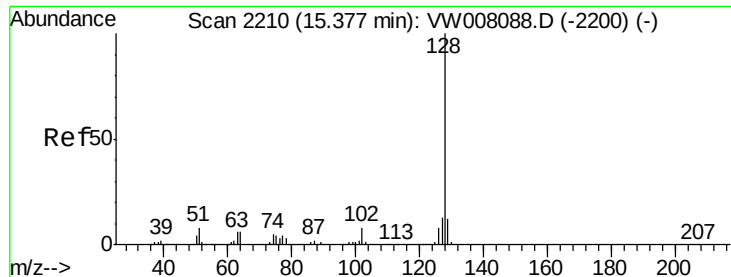
MMDadoda
 1/10/2019 4:50:52 PM



#94
 Hexachlorobutadiene
 Concen: 54.434 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008094.D
 Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36268		
223	64.6		31.4	94.3
227	65.4		32.0	96.2





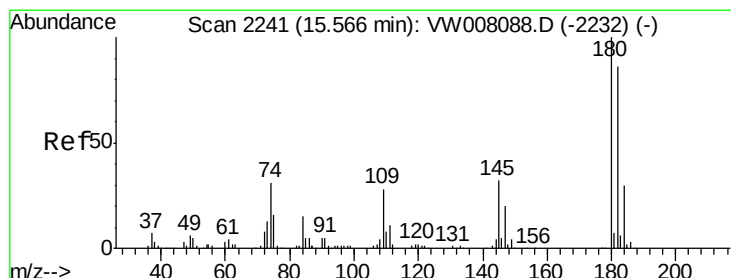
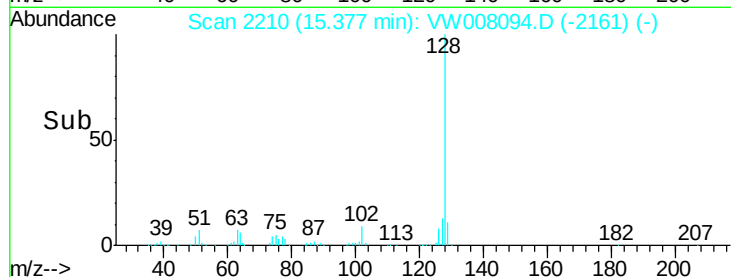
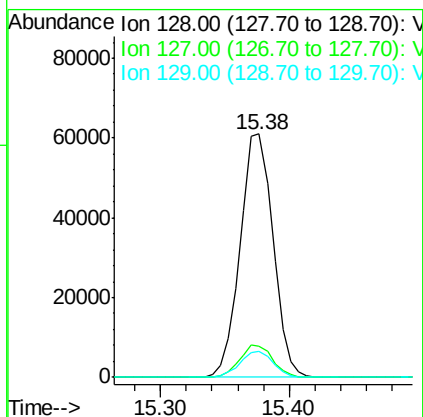
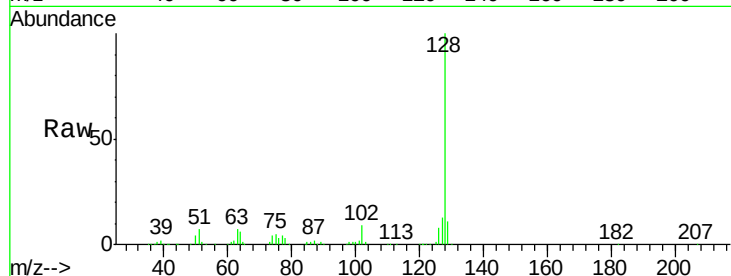
#95
Naphthalene
Concen: 46.364 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	107766		
127	13.3		11.0	16.4
129	10.7		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 4:50:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.891 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008094.D
Acq: 09 Jan 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51882		
182	94.9		46.5	139.3
145	32.8		17.4	52.2

