

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008088.D
 Acq On : 08 Jan 2019 16:28
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:50 AM

Quant Time: Jan 09 03:55:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	157508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	68791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	49866	51.22	ug/l	0.00
Spiked Amount						
			Recovery	=	102.44%	
35) Dibromofluoromethane	7.88	113	44935	46.01	ug/l	0.00
Spiked Amount						
			Recovery	=	92.02%	
50) Toluene-d8	10.32	98	192531	51.38	ug/l	0.00
Spiked Amount						
			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.62	95	68010	47.88	ug/l	0.00
Spiked Amount						
			Recovery	=	95.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	33762m	43.766	ug/l	
3) Chloromethane	2.21	50	43786	68.475	ug/l	100
4) Vinyl Chloride	2.37	62	59403	71.420	ug/l	100
5) Bromomethane	2.79	94	40836	75.533	ug/l	100
6) Chloroethane	2.93	64	41563	89.970	ug/l	100
7) Trichlorofluoromethane	3.26	101	49733	62.081	ug/l	100
8) Diethyl Ether	3.68	74	26037	61.987	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	47661	52.049	ug/l	100
10) Methyl Iodide	4.26	142	70225	48.218	ug/l	100
11) Tert butyl alcohol	5.24	59	15687	245.819	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	46729	52.748	ug/l	100
13) Acrolein	3.90	56	18343	388.753	ug/l	100
14) Allyl chloride	4.67	41	85894	67.510	ug/l	100
15) Acrylonitrile	5.37	53	50292	325.766	ug/l	100
16) Acetone	4.14	43	45315	292.517	ug/l	100
17) Carbon Disulfide	4.37	76	151170	55.759	ug/l	100
18) Methyl Acetate	4.67	43	31049	73.166	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	74496	53.370	ug/l	100
20) Methylene Chloride	4.91	84	48876	47.020	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	50833	52.785	ug/l	100
22) Diisopropyl ether	6.31	45	160129	69.547	ug/l	100
23) Vinyl Acetate	6.26	43	422509	332.226	ug/l	100
24) 1,1-Dichloroethane	6.21	63	93047	57.242	ug/l	100
25) 2-Butanone	7.18	43	63795	337.157	ug/l	100
26) 2,2-Dichloropropane	7.17	77	62542	48.265	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53905	52.411	ug/l	100
28) Bromochloromethane	7.51	49	37837	68.484	ug/l	100
29) Tetrahydrofuran	7.53	42	43477	361.362	ug/l	100
30) Chloroform	7.68	83	89838	50.554	ug/l	100
31) Cyclohexane	7.96	56	96979	62.132	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	78845	47.214	ug/l	100
36) 1,1-Dichloropropene	8.09	75	76887	49.859	ug/l	100
37) Ethyl Acetate	7.26	43	30336	61.690	ug/l	100
38) Carbon Tetrachloride	8.07	117	69186	38.971	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97727	50.568	ug/l	100
40) Benzene	8.32	78	208666	50.898	ug/l	100
41) Methacrylonitrile	7.48	41	17765	62.988	ug/l	100
42) 1,2-Dichloroethane	8.40	62	58421	43.996	ug/l	100
43) Isopropyl Acetate	8.43	43	60213	61.956	ug/l	100
44) Trichloroethene	9.09	130	52308	44.378	ug/l	100
45) 1,2-Dichloropropane	9.37	63	51778	56.939	ug/l	100
46) Dibromomethane	9.46	93	25163	48.972	ug/l	100
47) Bromodichloromethane	9.65	83	65314	45.781	ug/l	100
48) Methyl methacrylate	9.44	41	29603	60.304	ug/l	100
49) 1,4-Dioxane	9.48	88	8034	1044.167	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	145026	317.966	ug/l	100
52) Toluene	10.39	92	137074	50.721	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	69328	49.896	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	81127	51.838	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	35276	50.561	ug/l	100
56) Ethyl methacrylate	10.65	69	45539	56.272	ug/l	100
57) 1,3-Dichloropropane	10.93	76	64909	53.587	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	120076	303.865	ug/l	100
59) 2-Hexanone	10.97	43	100971	321.694	ug/l	100
60) Dibromochloromethane	11.13	129	40225	43.107	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34444	49.307	ug/l	100
64) Tetrachloroethene	10.86	164	41954	43.524	ug/l	100
65) Chlorobenzene	11.66	112	142247	46.912	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	46645	43.042	ug/l	100
67) Ethyl Benzene	11.73	91	266574	49.185	ug/l	100
68) m/p-Xylenes	11.84	106	203855	97.538	ug/l	100
69) o-Xylene	12.17	106	94723	48.729	ug/l	100
70) Styrene	12.18	104	152298	48.190	ug/l	100
71) Bromoform	12.35	173	21196	42.392	ug/l #	100
73) Isopropylbenzene	12.47	105	256651	47.662	ug/l	100
74) N-amyl acetate	12.27	43	57513	64.202	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	40130	56.493	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30403m	55.006	ug/l	
77) Bromobenzene	12.75	156	52368	45.643	ug/l	100
78) n-propylbenzene	12.81	91	317473	50.286	ug/l	100
79) 2-Chlorotoluene	12.90	91	176053	48.585	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	215060	46.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13067	55.541	ug/l	100
82) 4-Chlorotoluene	12.99	91	183802	47.737	ug/l	100
83) tert-Butylbenzene	13.21	119	188868	46.723	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	220809	47.139	ug/l	100
85) sec-Butylbenzene	13.39	105	276921	49.354	ug/l	100
86) p-Isopropyltoluene	13.50	119	240994	47.886	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	110726	47.436	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	109568	47.313	ug/l	100
89) n-Butylbenzene	13.83	91	235655	50.676	ug/l	100
90) Hexachloroethane	14.10	117	40318	46.316	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	96082	46.761	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6538	46.779	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	61202	43.170	ug/l	100
94) Hexachlorobutadiene	15.24	225	33895	41.712	ug/l	100
95) Naphthalene	15.38	128	121861	49.591	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	54546	46.244	ug/l	100

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

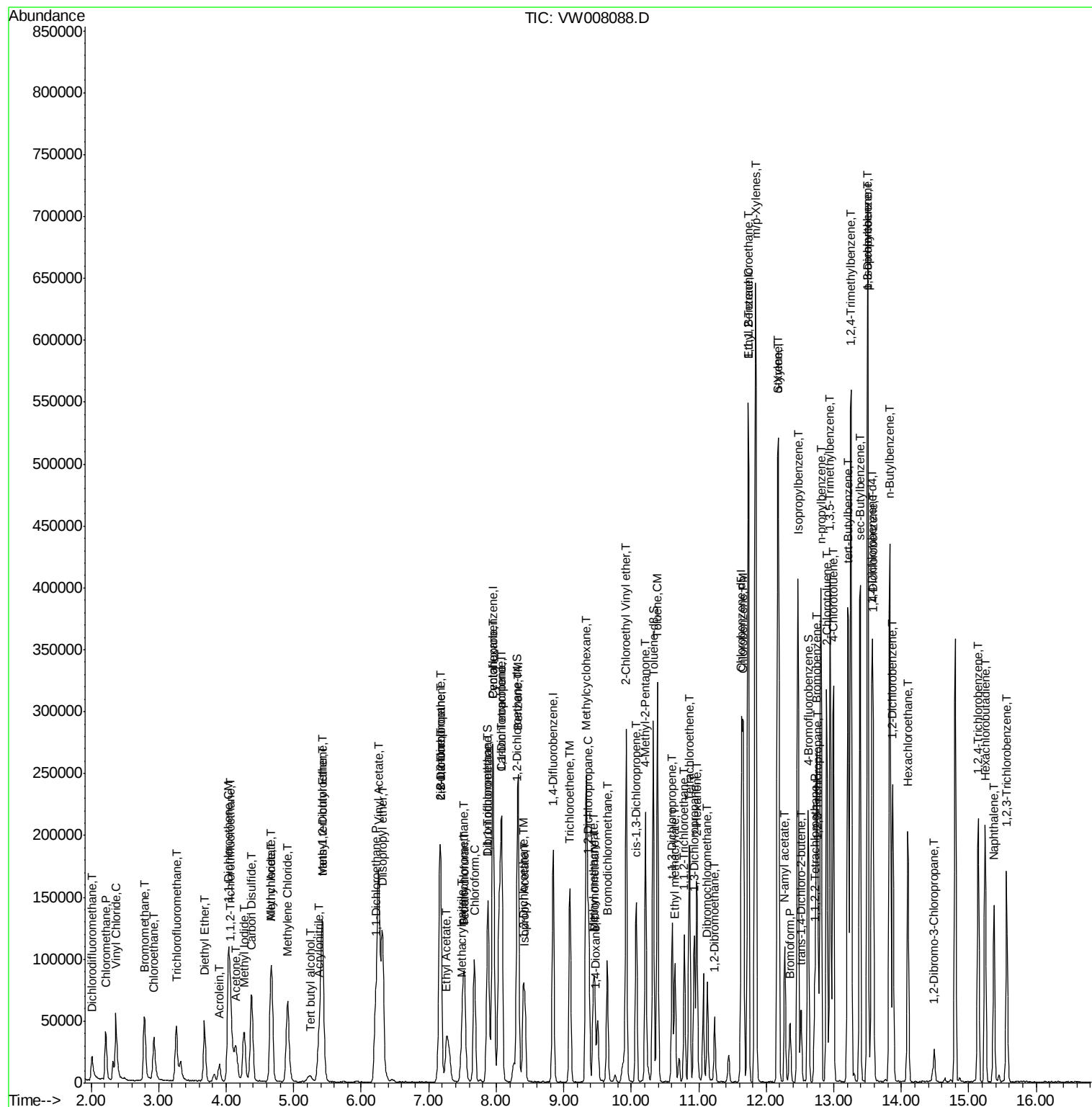
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
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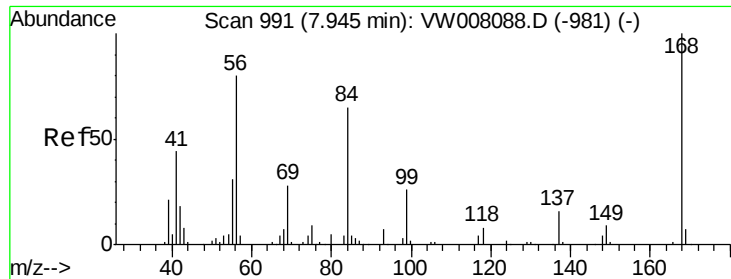
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 87351

Ion Ratio Lower Upper

168 100

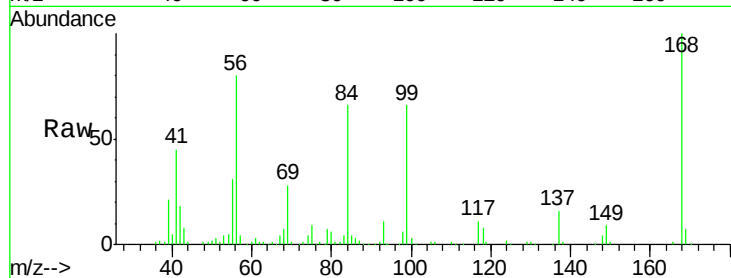
99 65.7 52.6 78.8

Manual Integrations

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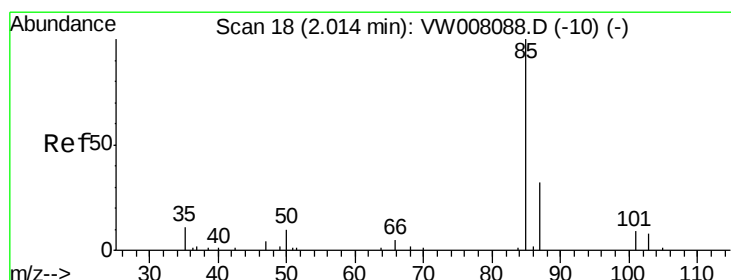
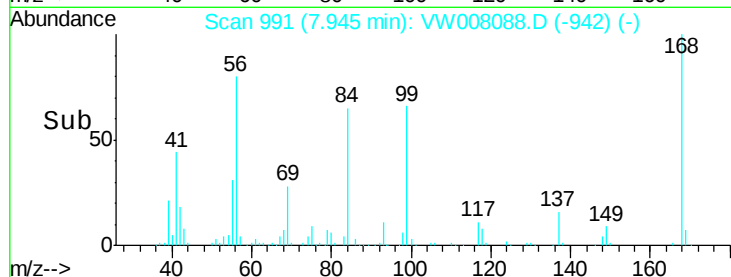
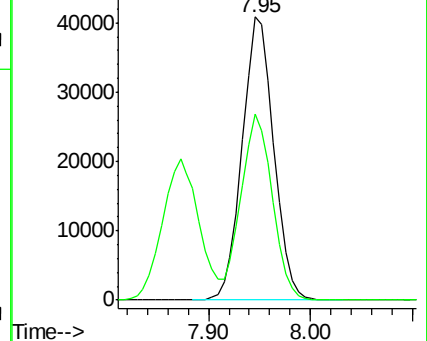
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.766 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008088.D

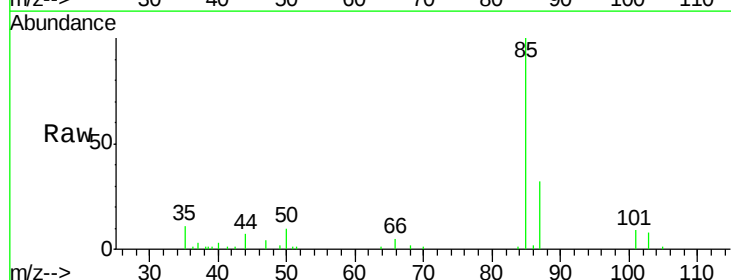
Acq: 08 Jan 2019 16:28

Tgt Ion: 85 Resp: 33762

Ion Ratio Lower Upper

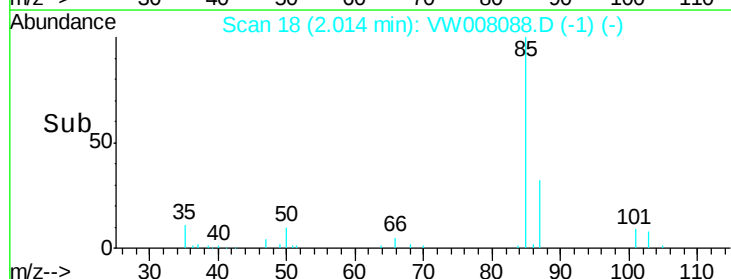
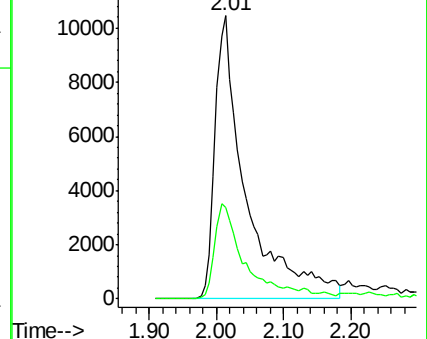
85 100

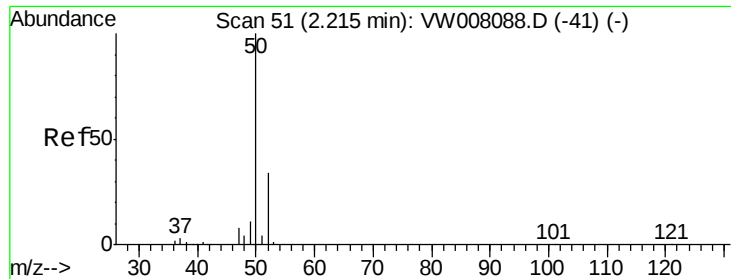
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 68.475 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 43786

Ion Ratio Lower Upper

50 100

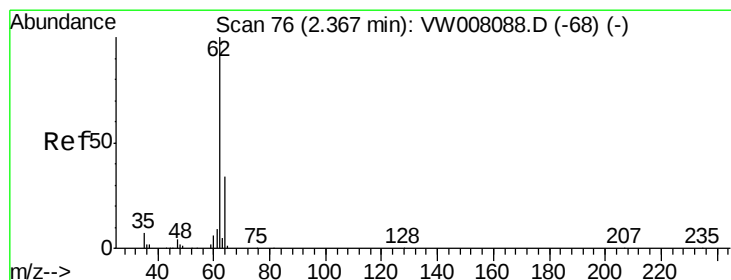
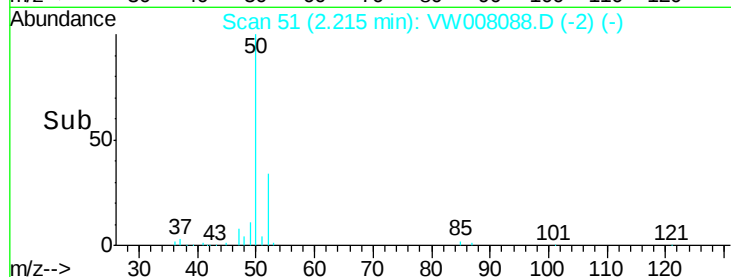
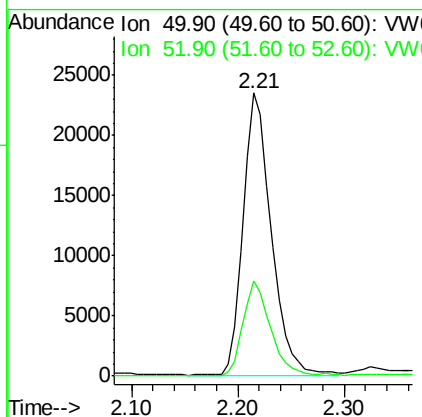
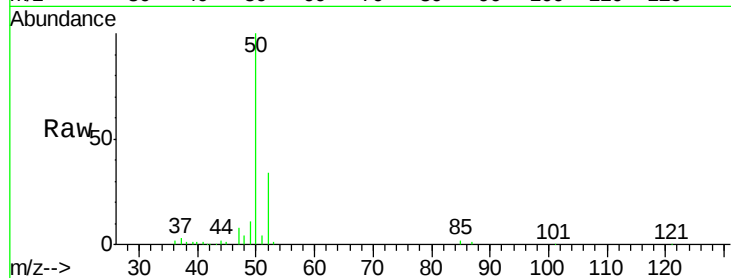
52 33.5 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 71.420 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008088.D

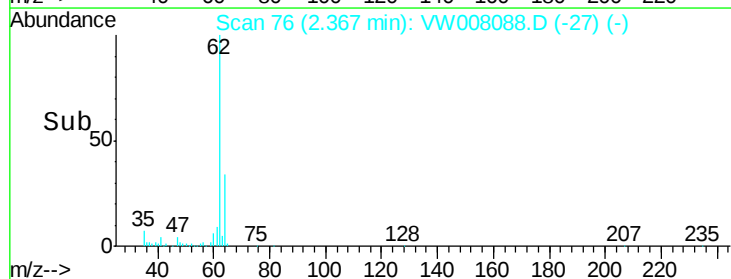
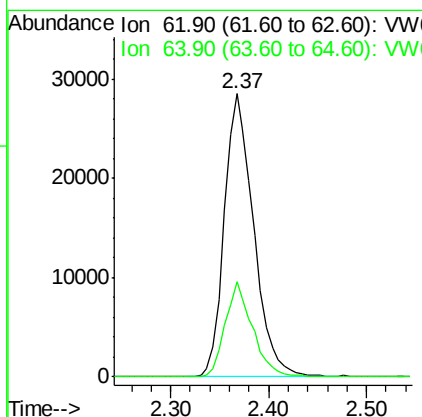
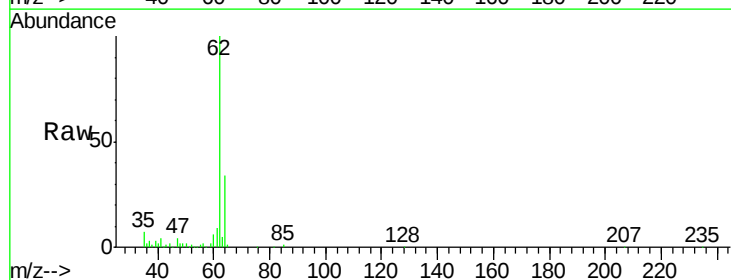
Acq: 08 Jan 2019 16:28

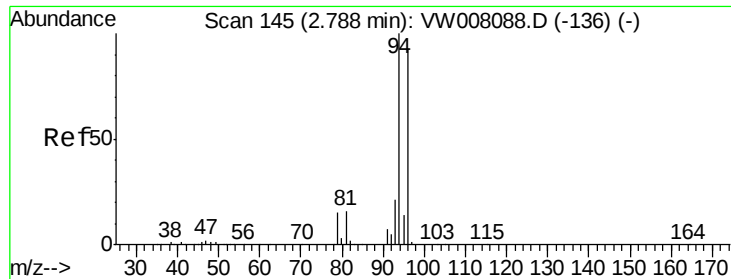
Tgt Ion: 62 Resp: 59403

Ion Ratio Lower Upper

62 100

64 33.8 27.0 40.6





#5

Bromomethane

Concen: 75.533 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 40836

Ion Ratio Lower Upper

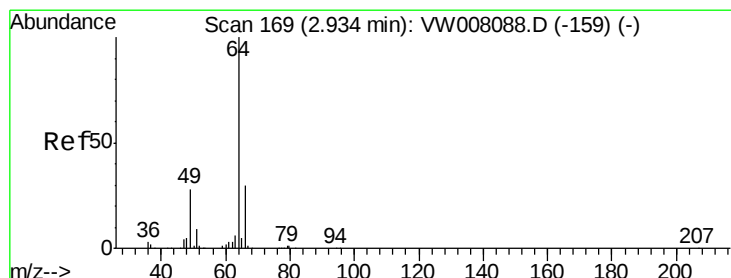
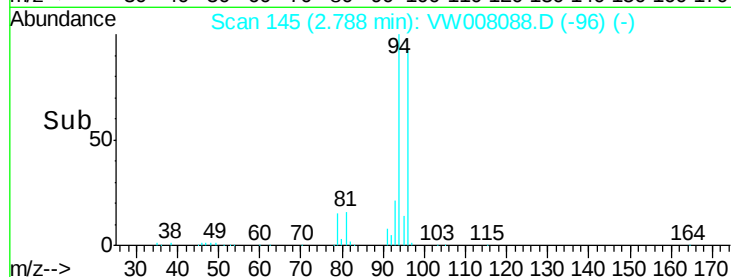
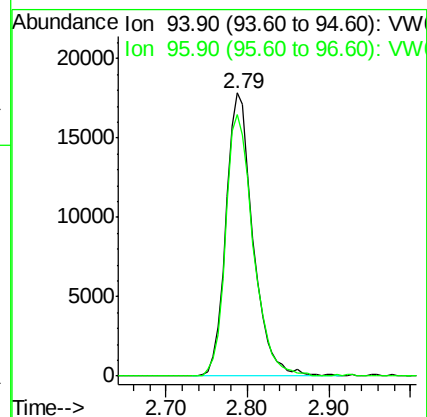
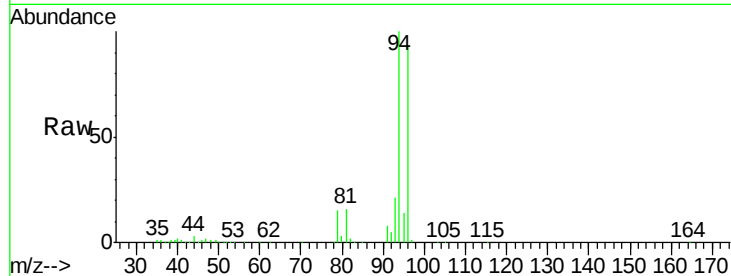
94 100

96 92.6 74.1 111.1

Manual Integrations
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#6

Chloroethane

Concen: 89.970 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW008088.D

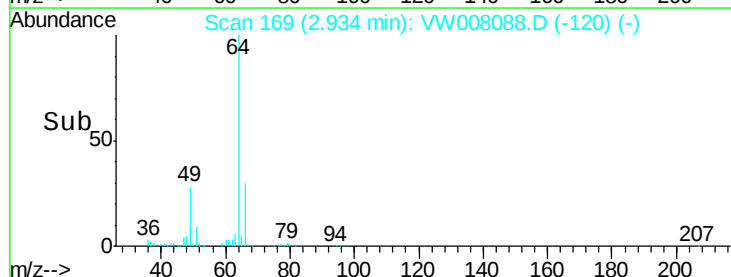
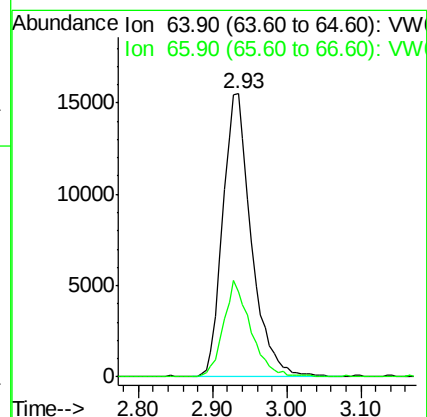
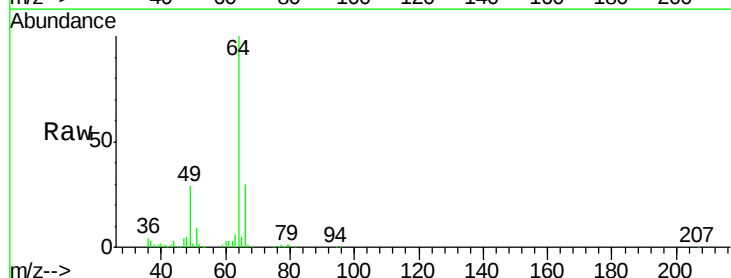
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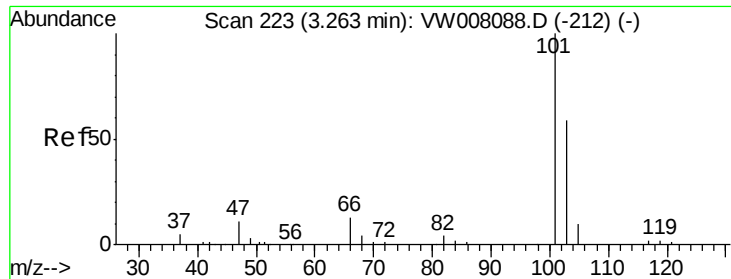
Tgt Ion: 64 Resp: 41563

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.2





#7

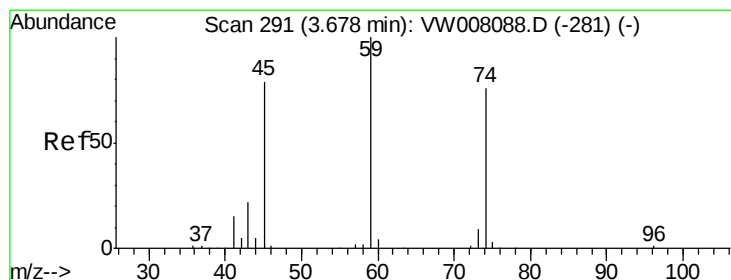
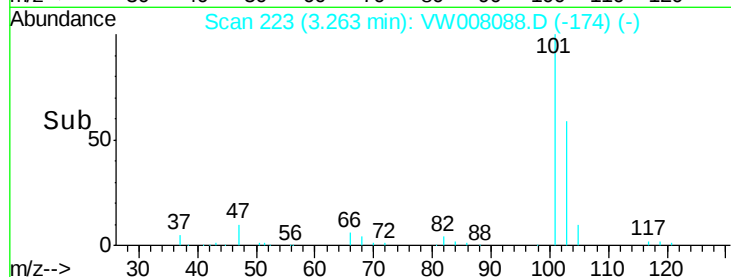
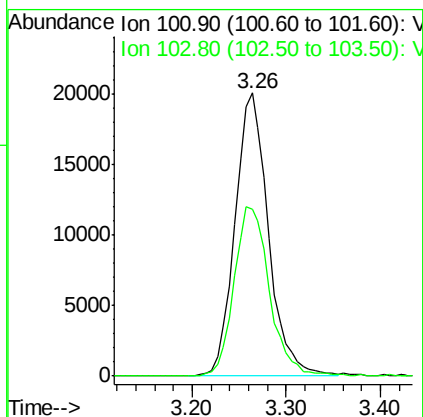
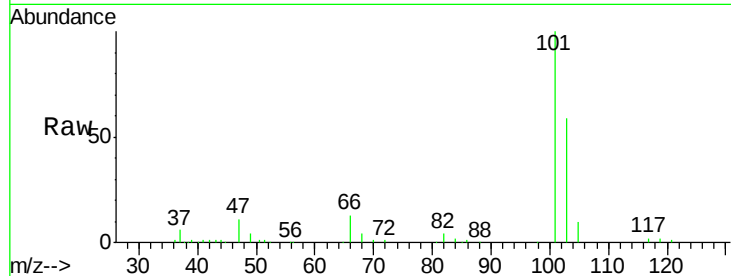
Trichlorofluoromethane
Concen: 62.081 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion:101 Resp: 49733
Ion Ratio Lower Upper
101 100
103 58.8 47.0 70.6

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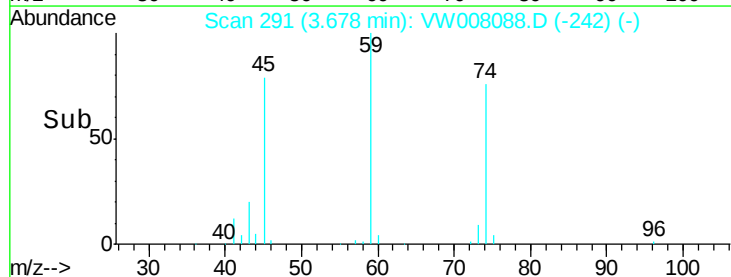
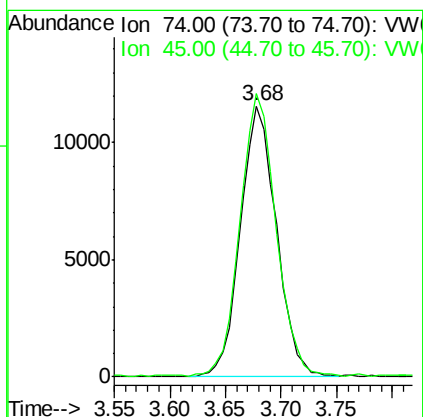
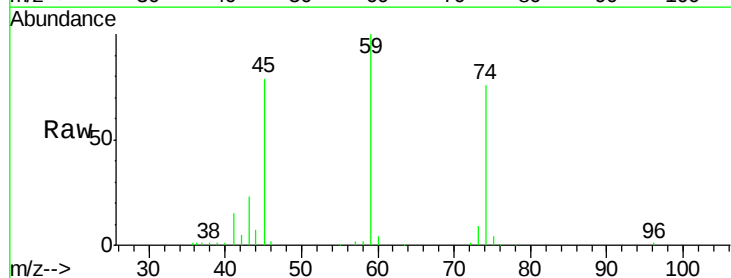
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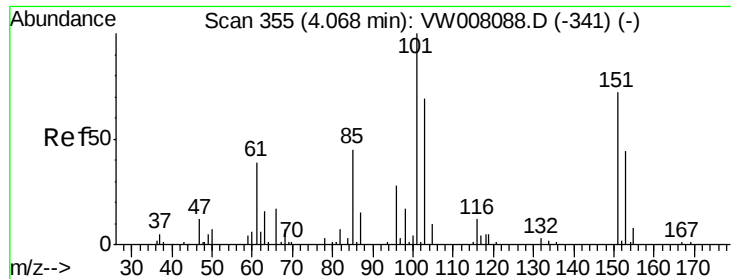


#8

Diethyl Ether
Concen: 61.987 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion: 74 Resp: 26037
Ion Ratio Lower Upper
74 100
45 104.9 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.049 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

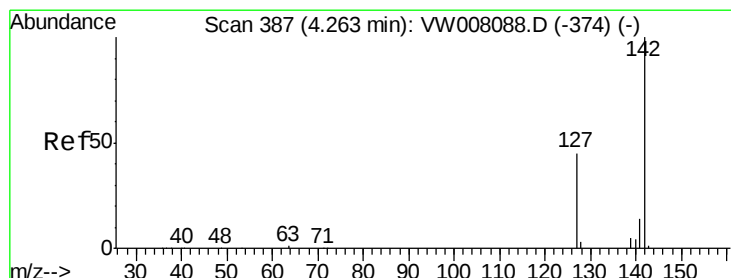
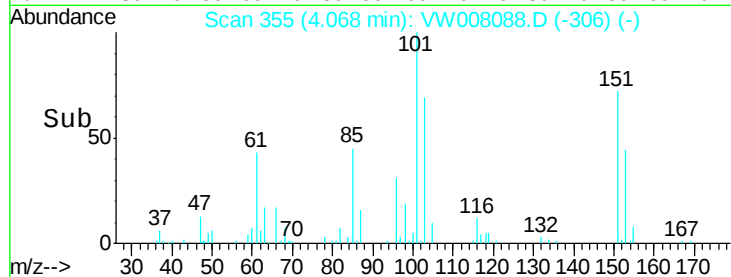
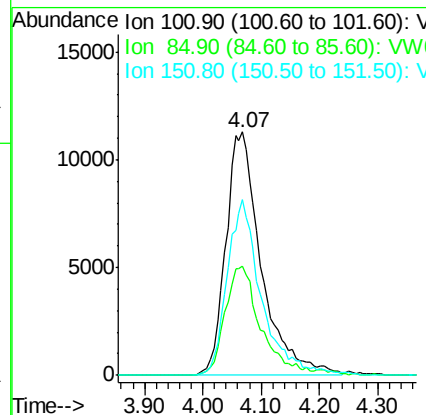
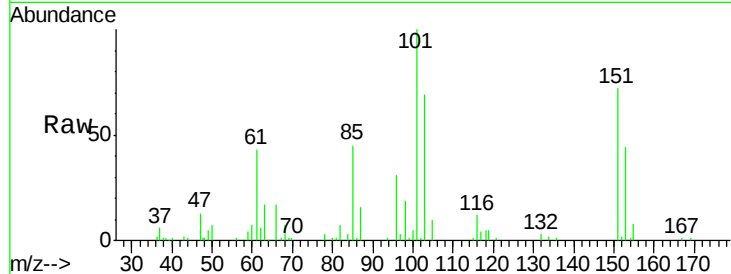
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	47661
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.9	53.9
151	69.8	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 48.218 ug/l

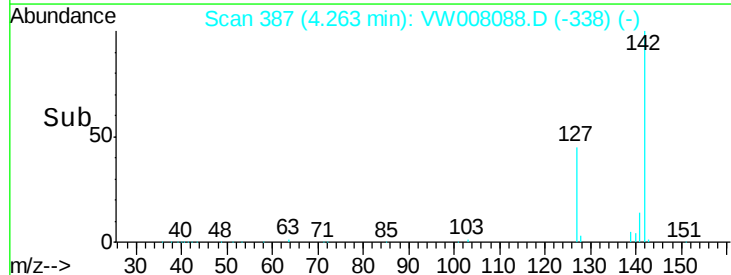
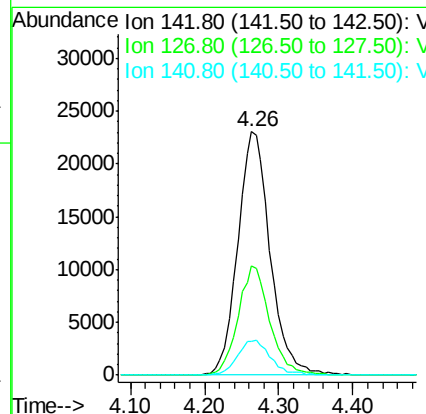
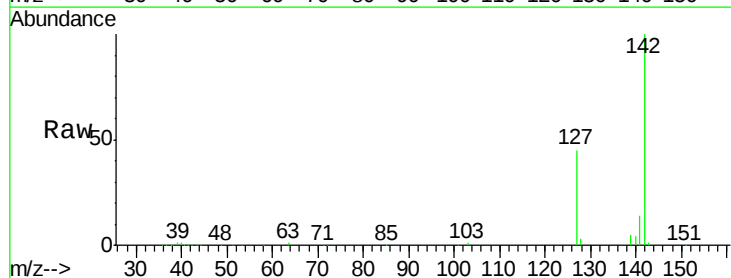
RT: 4.26 min Scan# 387

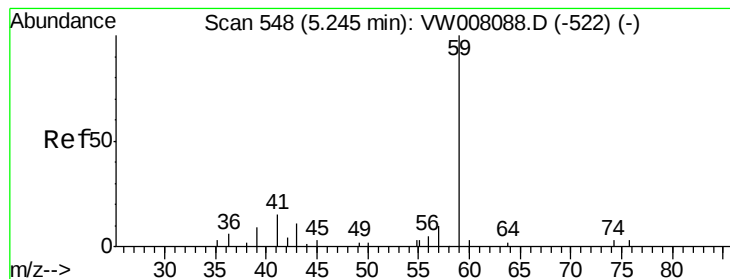
Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion:	142	Resp:	70225
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.0	52.4
141	14.7	11.8	17.6





#11

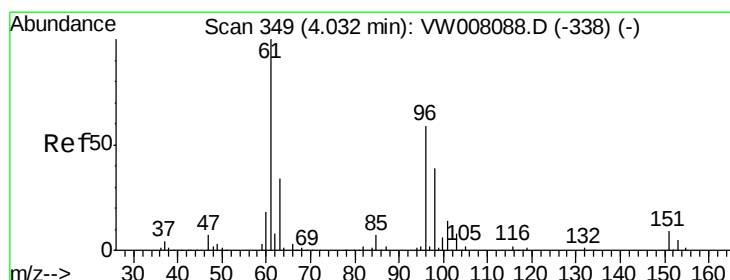
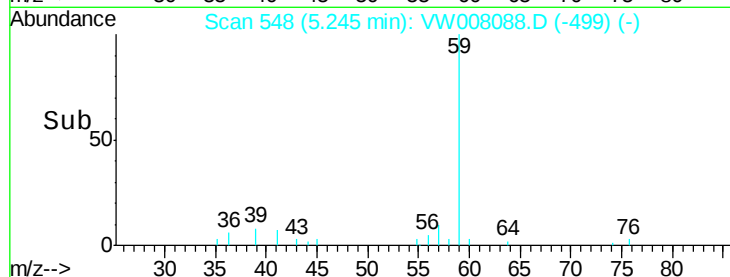
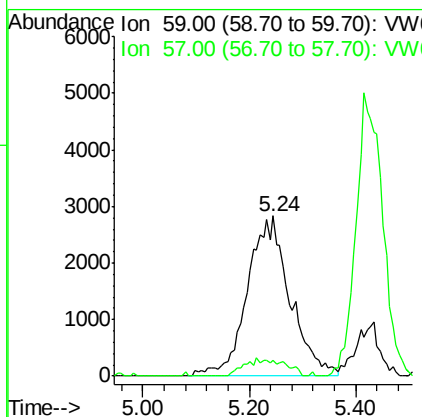
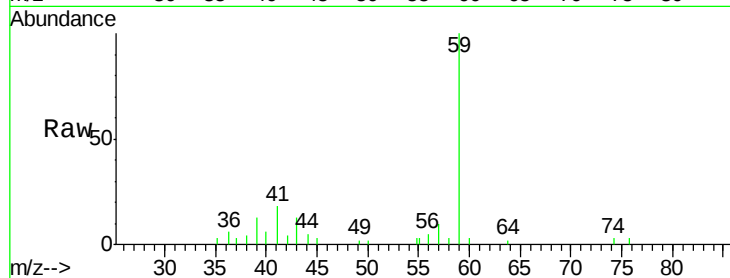
Tert butyl alcohol
 Concen: 245.819 ug/l
 RT: 5.24 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

Manual Integrations
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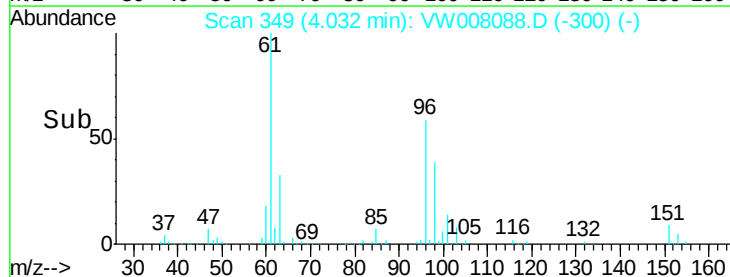
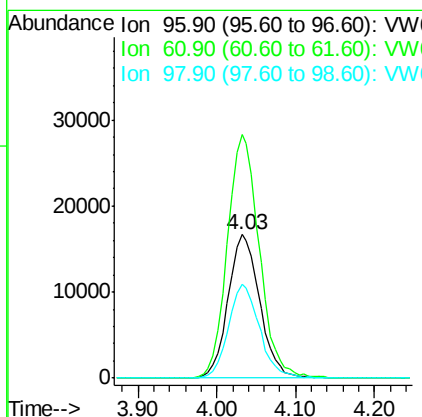
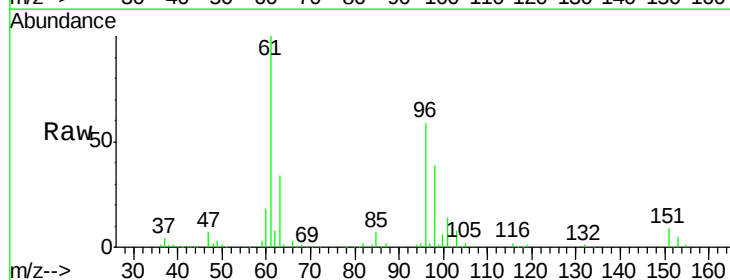
MMDadoda
 1/9/2019 11:07:50 AM

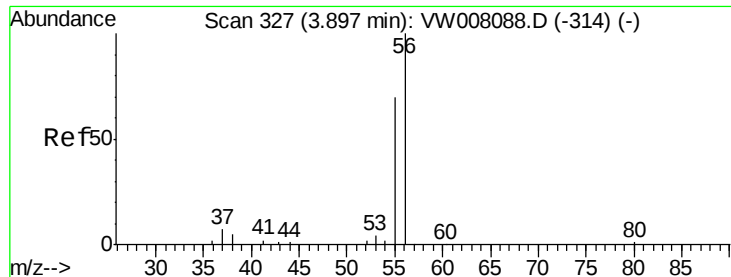


#12

1,1-Dichloroethene
 Concen: 52.748 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.3	135.4	203.2
98	65.6	52.5	78.7





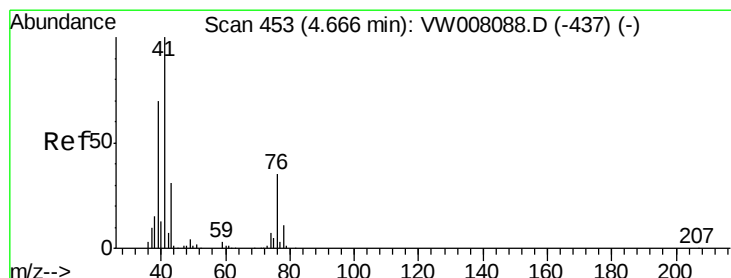
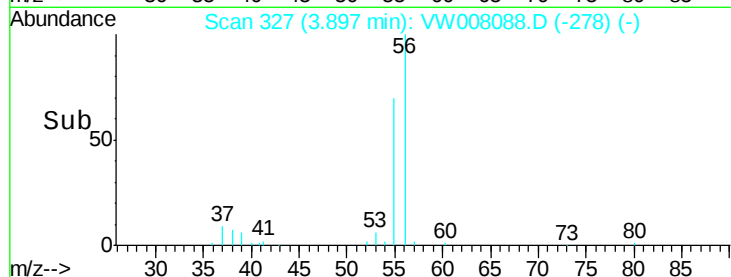
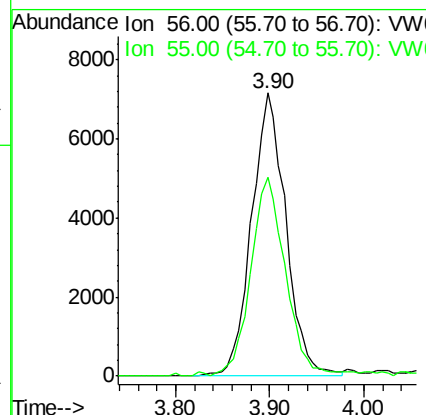
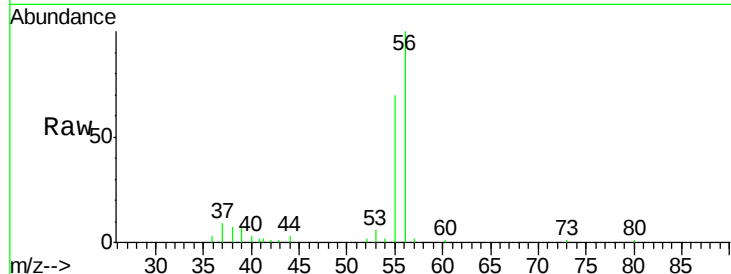
#13
Acrolein
Concen: 388.753 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	Lower	Upper
18343	100	70.7		56.6	84.8

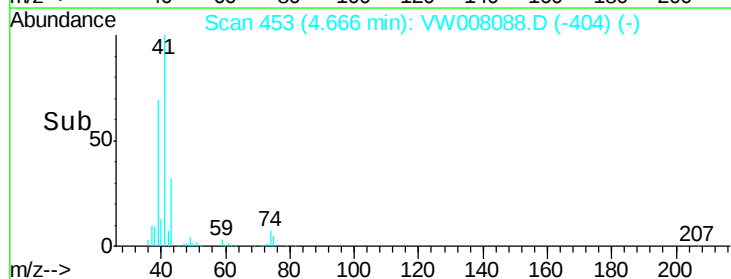
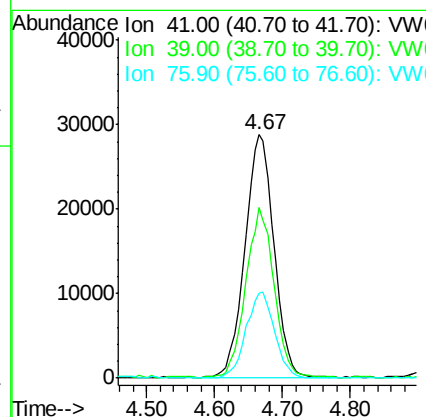
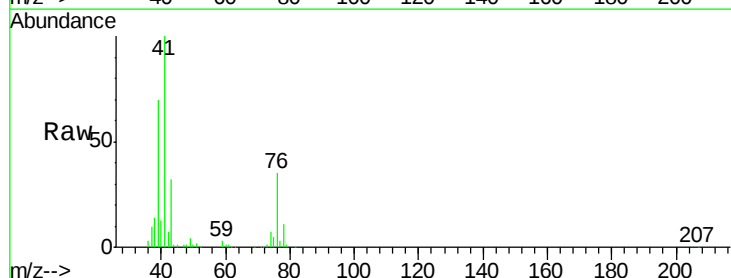
Manual Integrations
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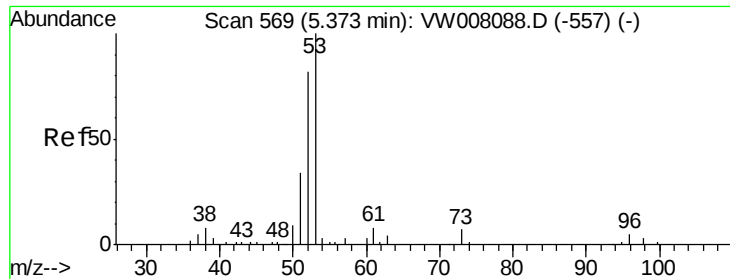
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#14
Allyl chloride
Concen: 67.510 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	41	39	76	Ratio	Lower	Upper
85894	100	67.3	34.5		53.8	80.8
					27.6	41.4





#15

Acrylonitrile

Concen: 325.766 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

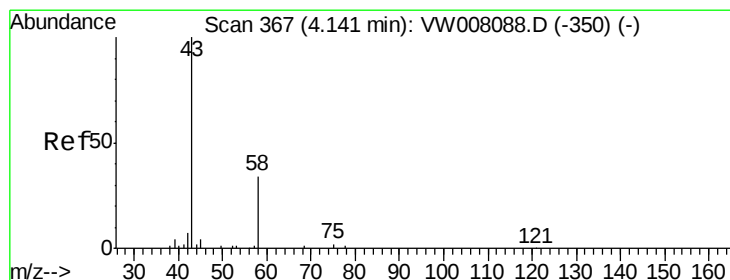
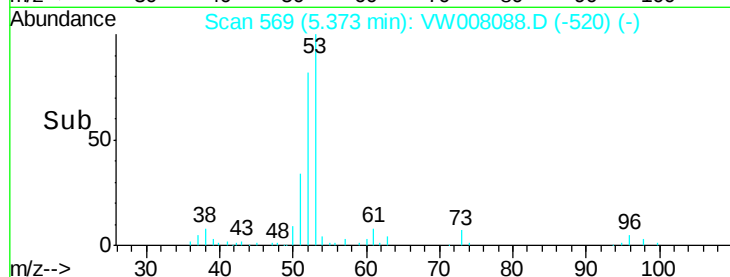
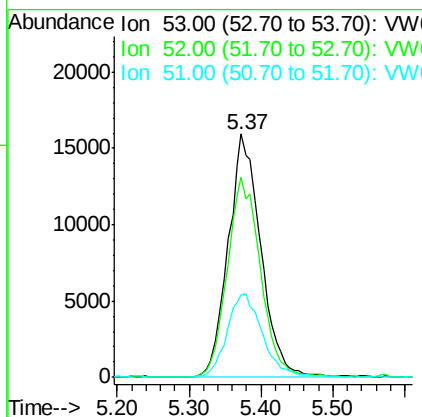
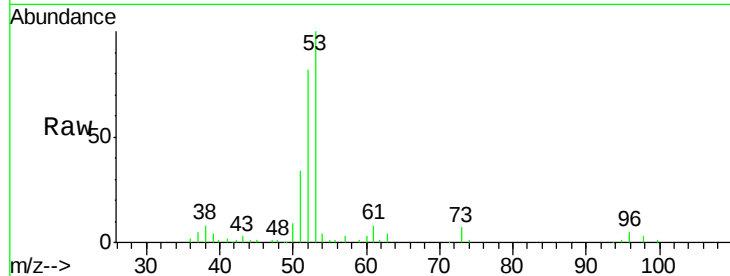
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	50292
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 292.517 ug/l

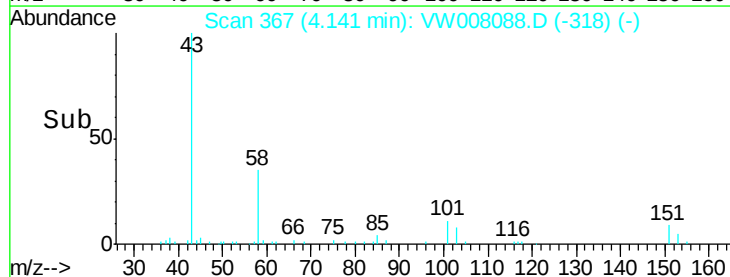
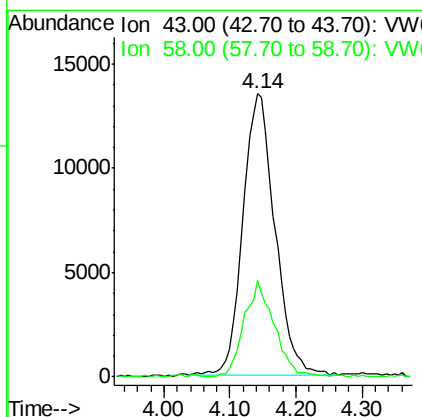
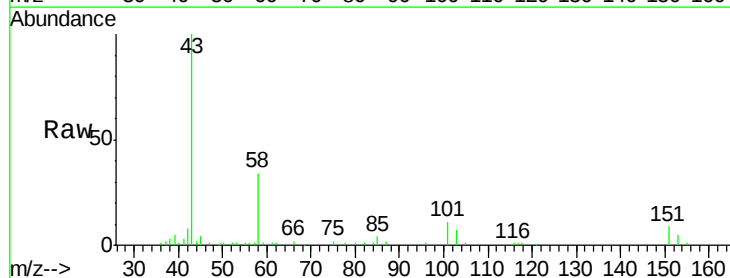
RT: 4.14 min Scan# 367

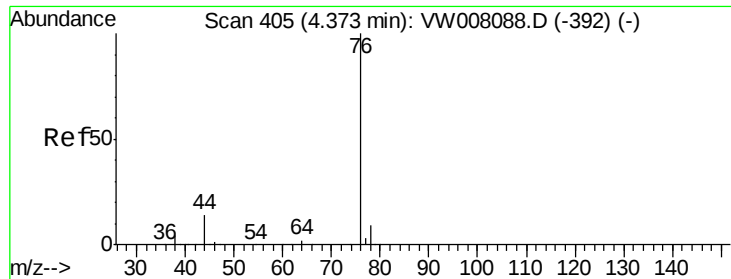
Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion:	43	Resp:	45315
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.5	41.3





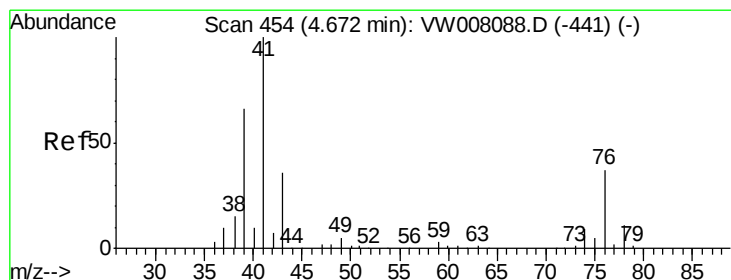
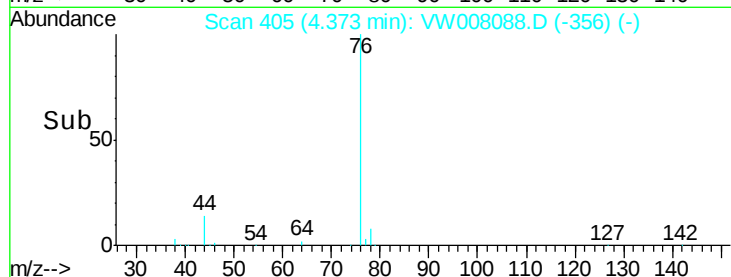
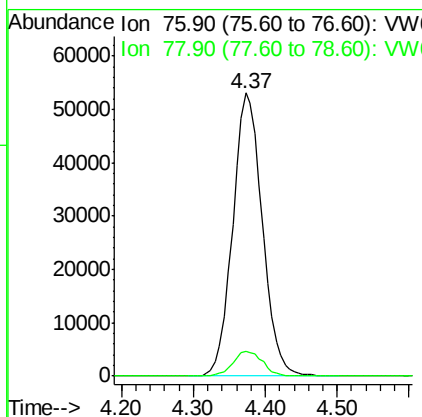
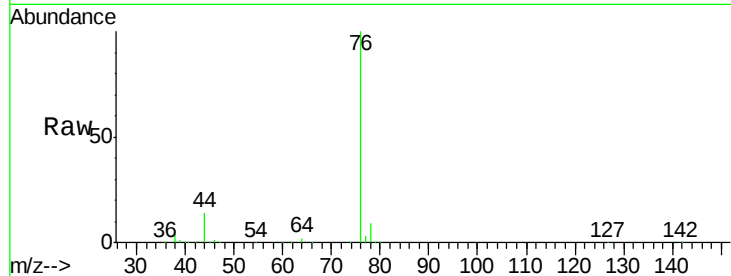
#17
Carbon Disulfide
Concen: 55.759 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

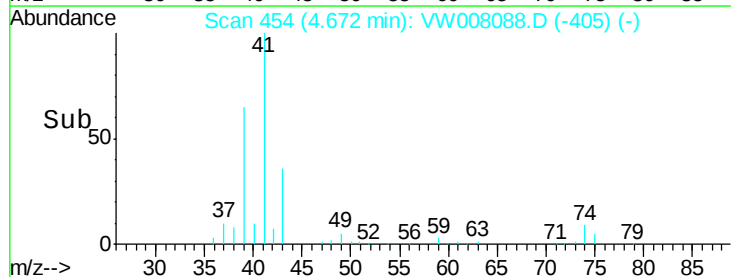
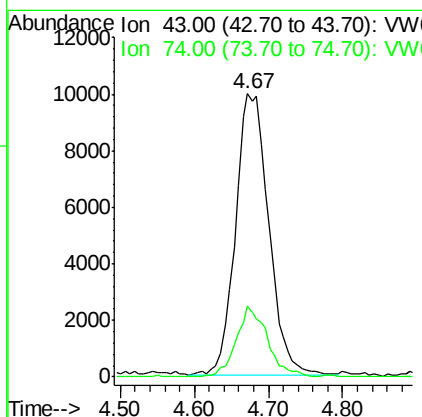
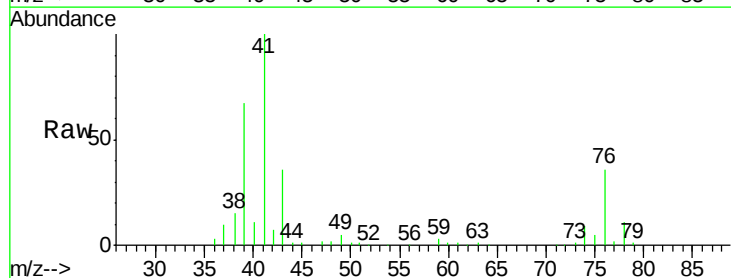
Manual Integrations
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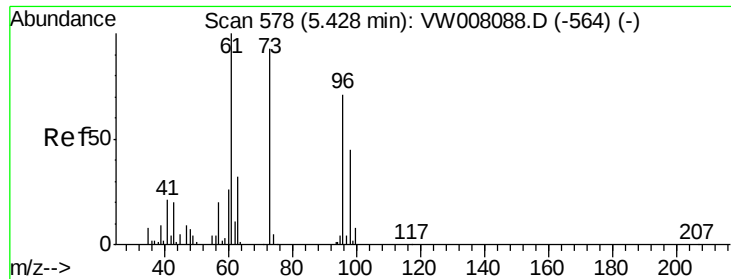
MMDadoda
1/9/2019 11:07:50 AM



#18
Methyl Acetate
Concen: 73.166 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.4





#19

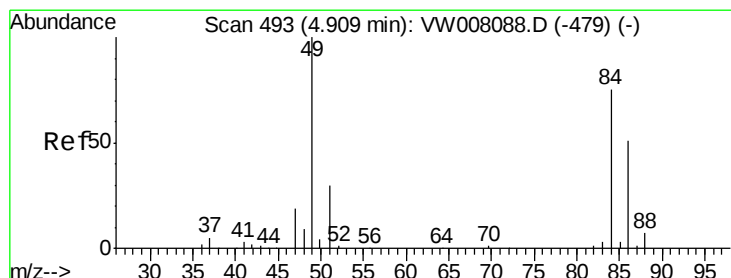
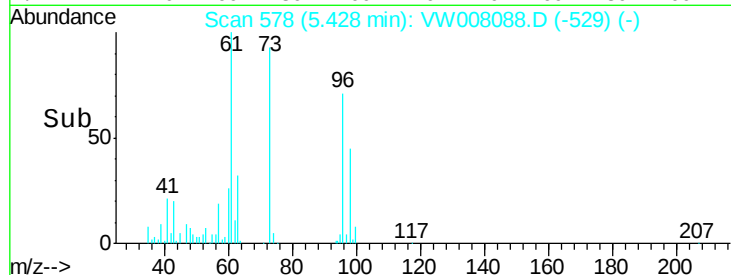
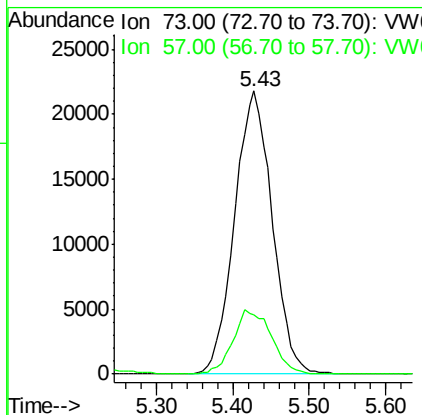
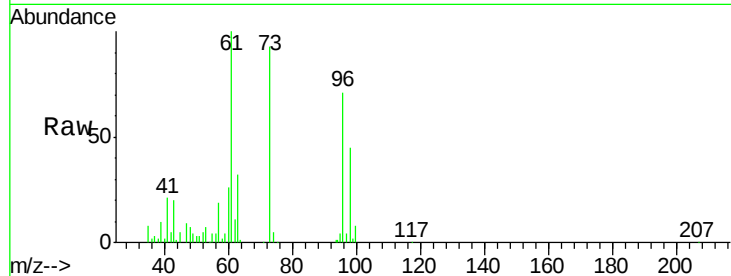
Methyl tert-butyl Ether
 Concen: 53.370 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 73 Resp: 74496
 Ion Ratio Lower Upper
 73 100
 57 20.9 16.7 25.1

Manual Integrations
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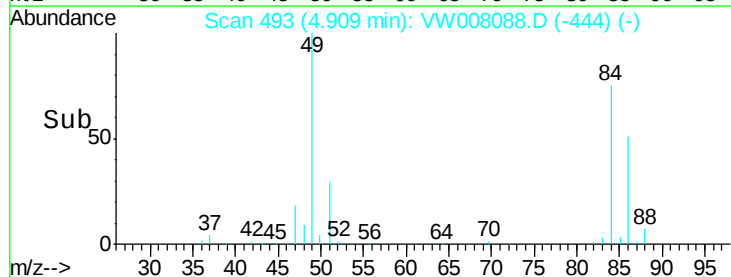
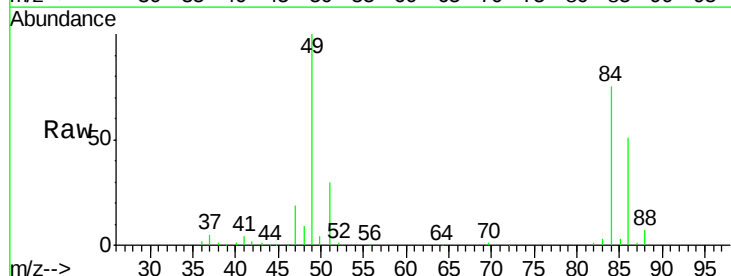
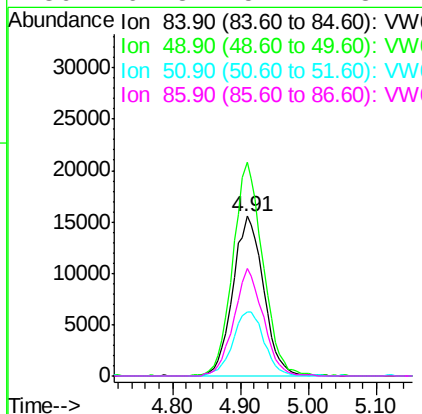
MMDadoda
 1/9/2019 11:07:50 AM

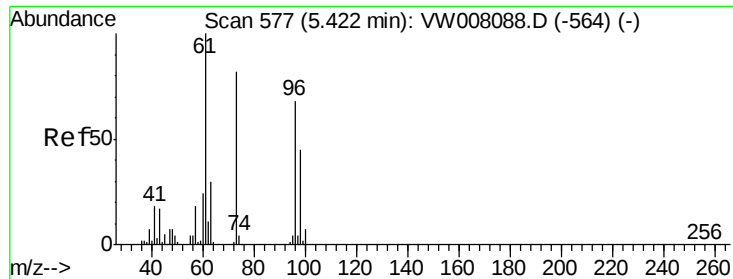


#20

Methylene Chloride
 Concen: 47.020 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion: 84 Resp: 48876
 Ion Ratio Lower Upper
 84 100
 49 133.9 107.1 160.7
 51 40.5 32.4 48.6
 86 67.8 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 52.785 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 50833

Ion Ratio Lower Upper

96 100

61 146.7 117.4 176.0

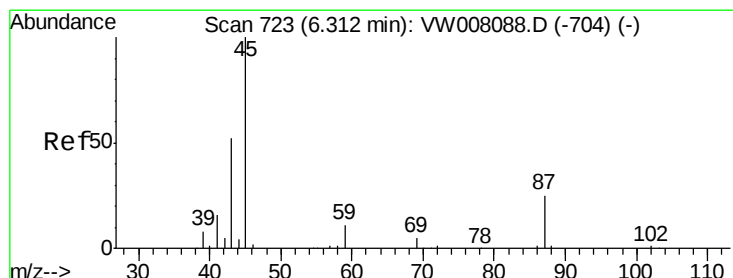
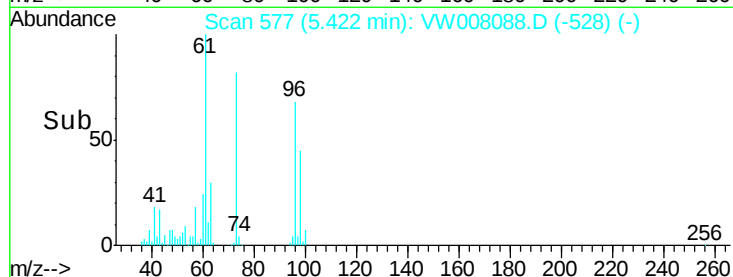
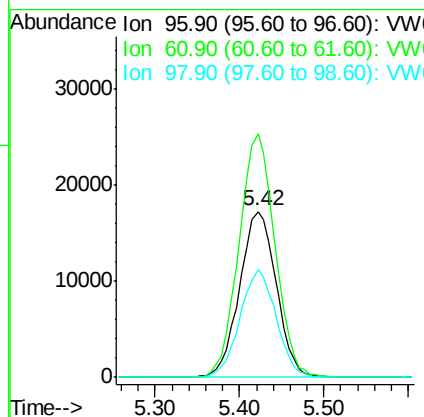
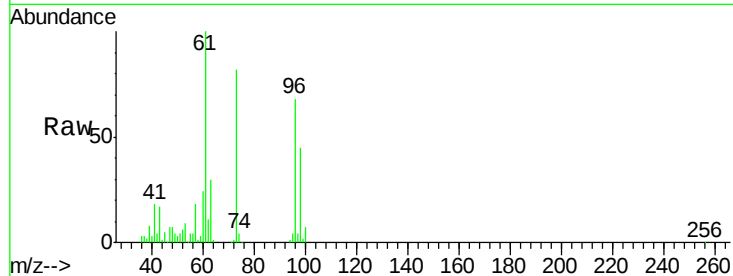
98 65.3 52.2 78.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 69.547 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion: 45 Resp: 160129

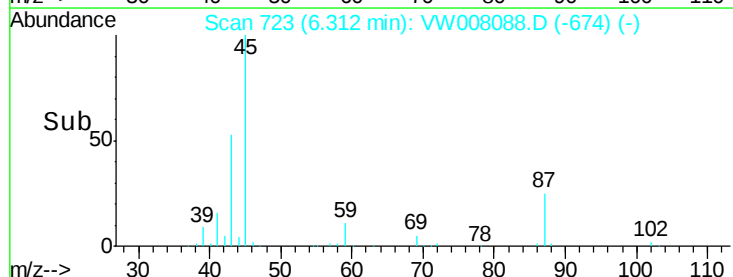
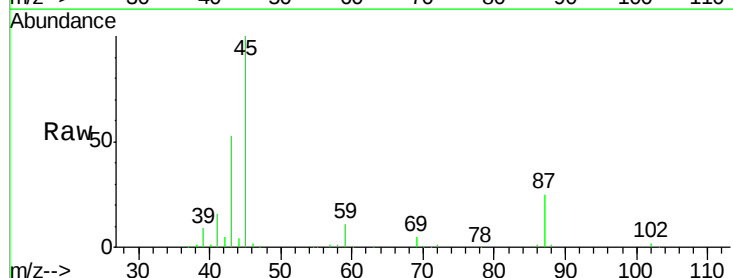
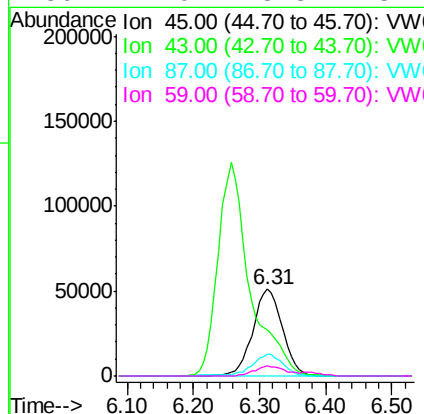
Ion Ratio Lower Upper

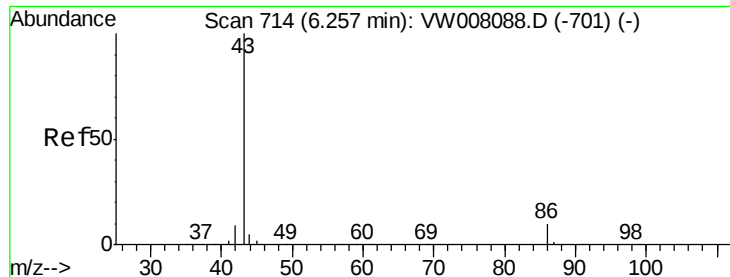
45 100

43 52.1 41.7 62.5

87 25.1 20.1 30.1

59 11.0 8.8 13.2





#23

Vinyl Acetate

Concen: 332.226 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 422509

Ion Ratio Lower Upper

43 100

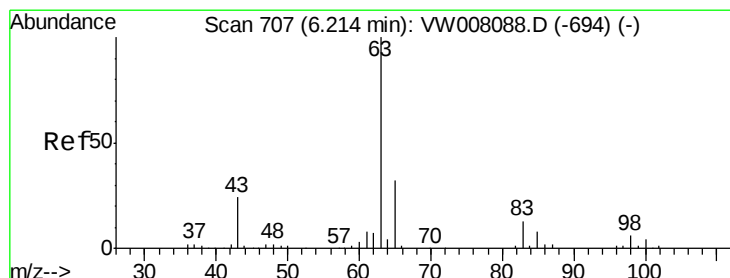
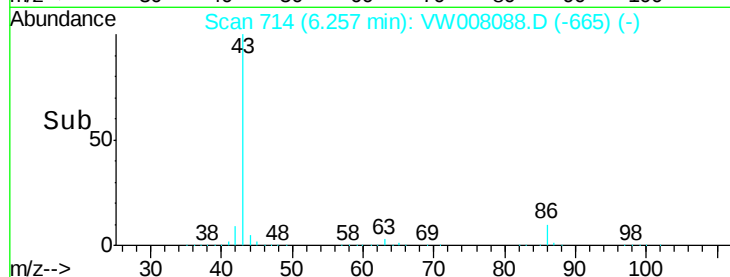
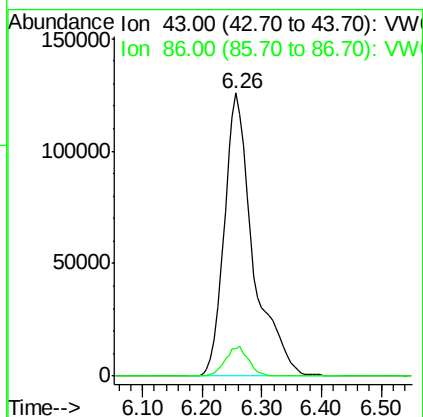
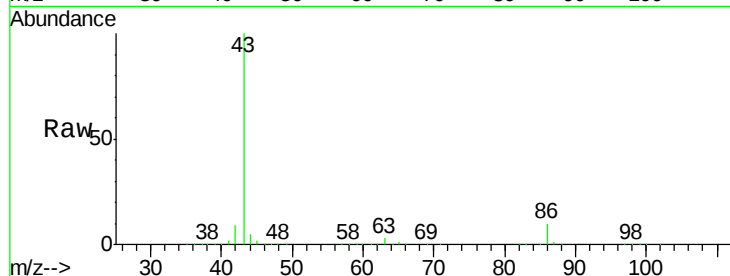
86 9.6 7.7 11.5

Manual Integrations

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1/9/2019 11:07:50 AM



#24

1,1-Dichloroethane

Concen: 57.242 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

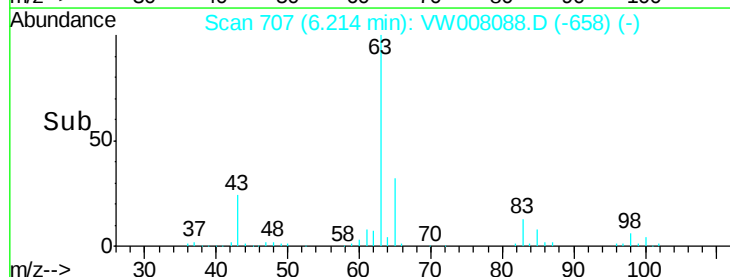
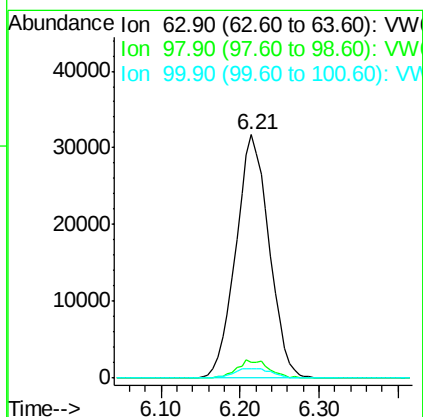
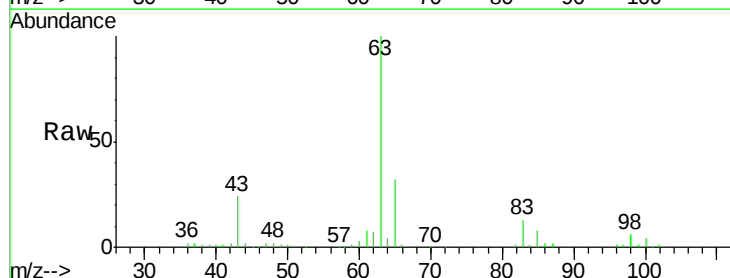
Tgt Ion: 63 Resp: 93047

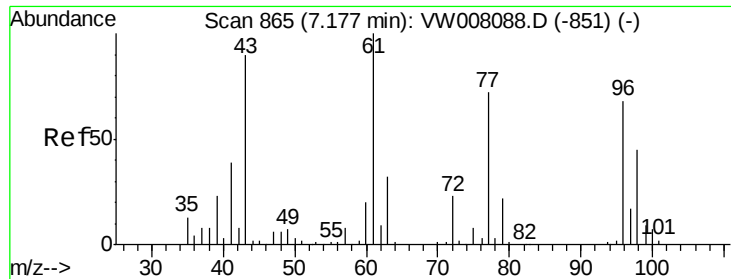
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 337.157 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 63795

Ion Ratio Lower Upper

43 100

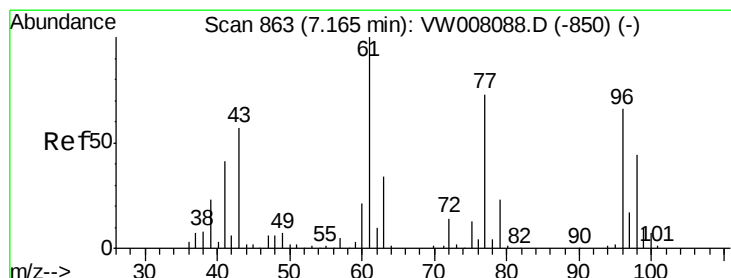
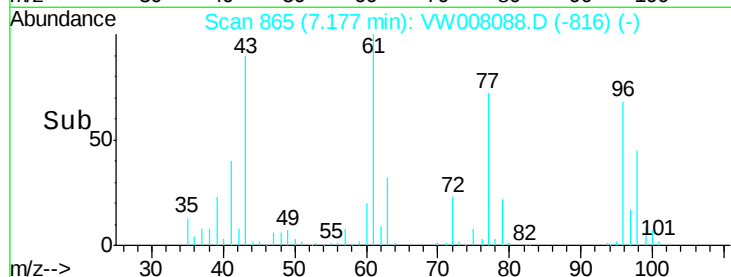
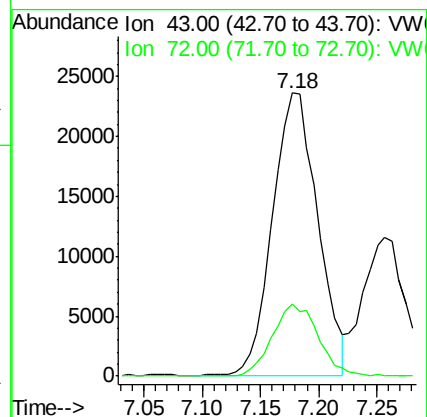
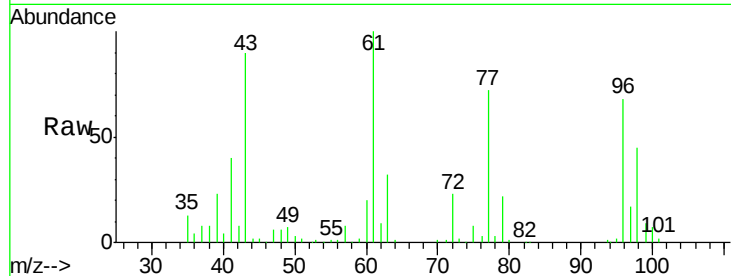
72 25.6 20.5 30.7

Manual Integrations

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MMDadoda

1/9/2019 11:07:50 AM



#26

2,2-Dichloropropane

Concen: 48.265 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008088.D

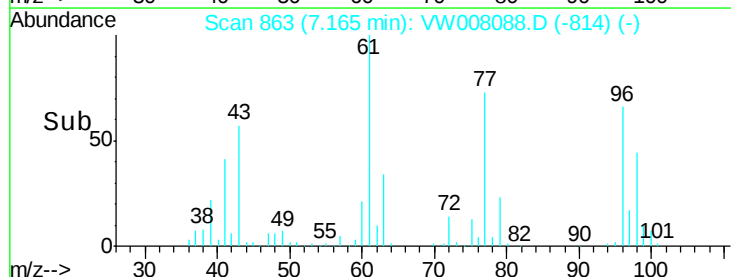
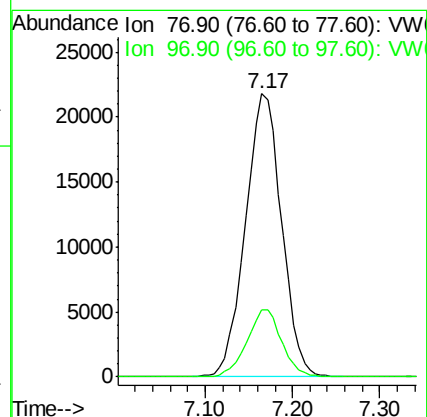
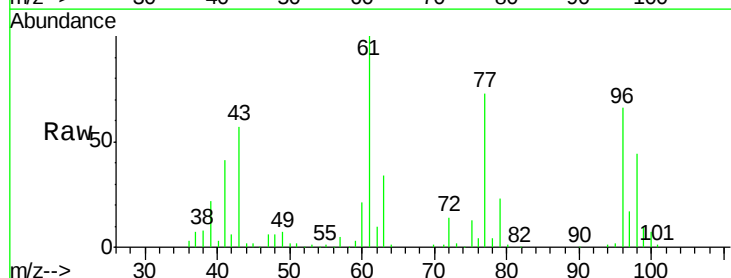
Acq: 08 Jan 2019 16:28

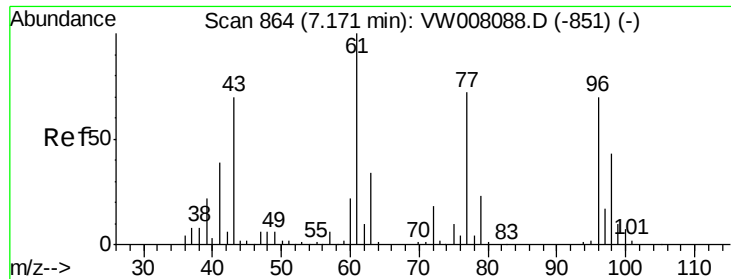
Tgt Ion: 77 Resp: 62542

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





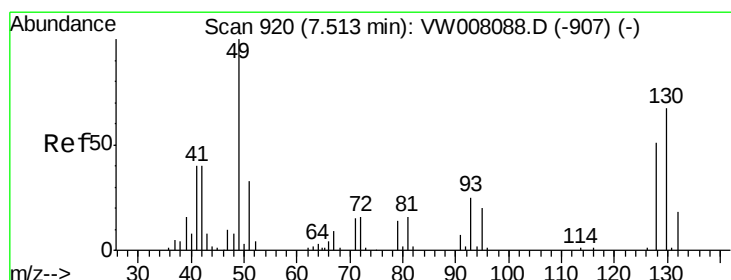
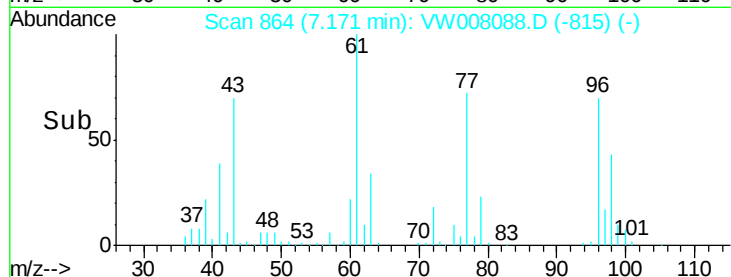
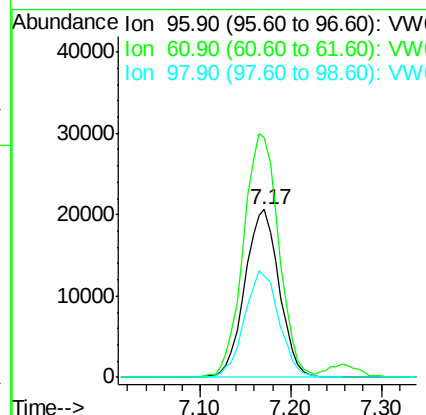
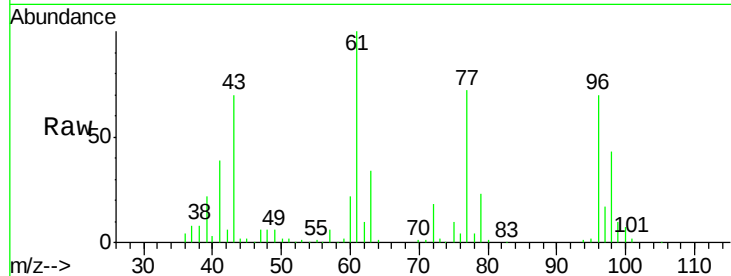
#27
 cis-1,2-Dichloroethene
 Concen: 52.411 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	300.4
98	64.2	0.0	128.4

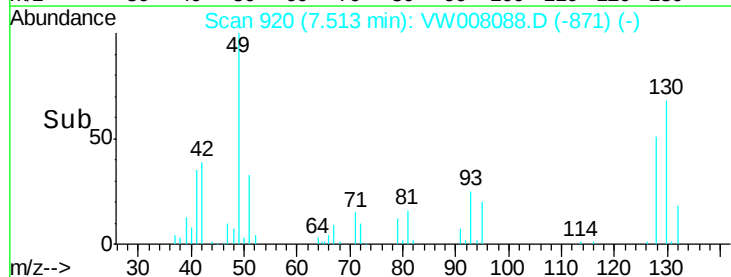
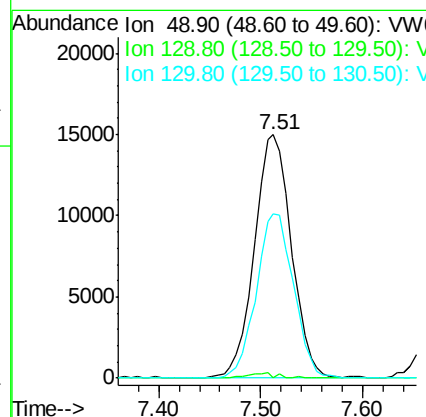
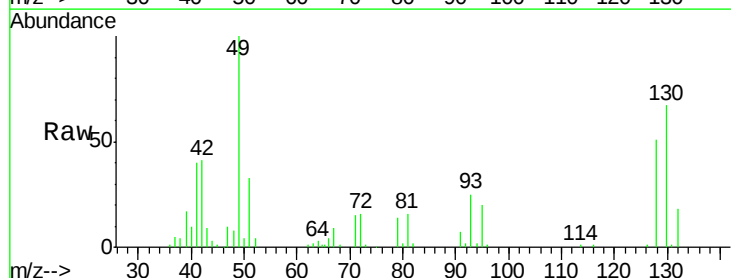
Manual Integrations
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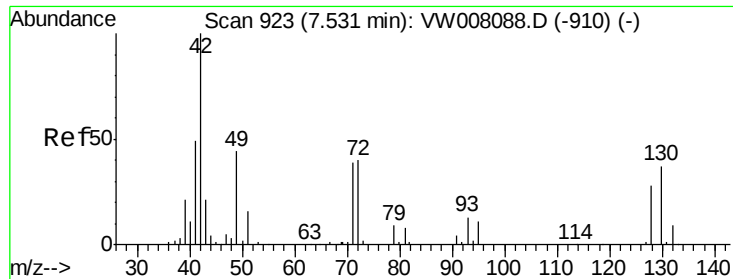
MMDadoda
 1/9/2019 11:07:50 AM



#28
 Bromochloromethane
 Concen: 68.484 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.8
130	67.9	54.3	81.5





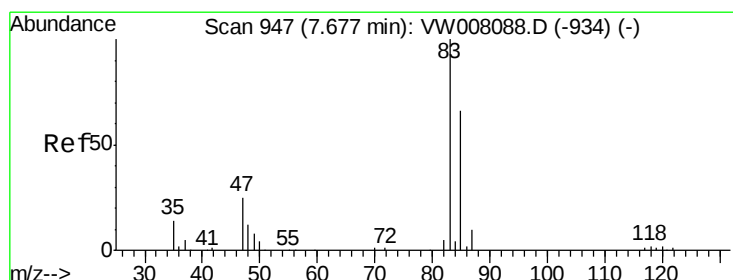
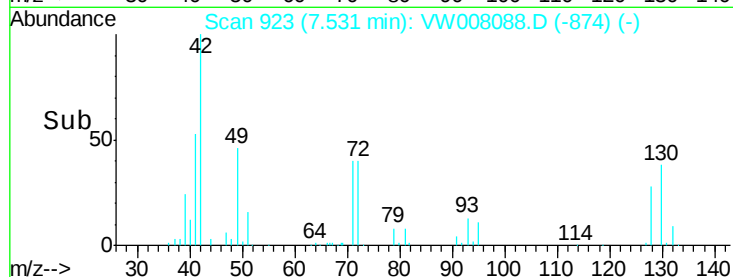
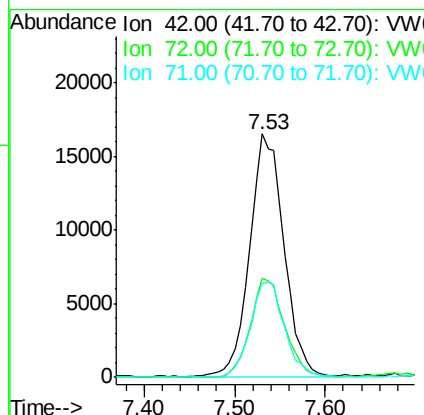
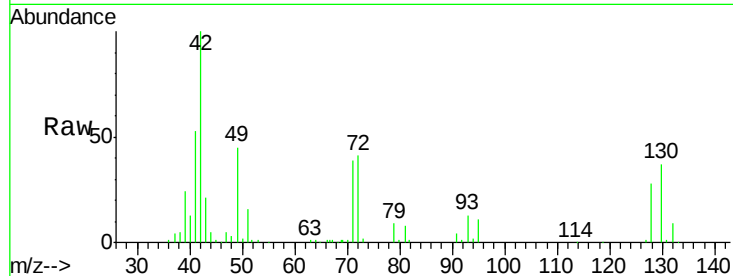
#29
Tetrahydrofuran
Concen: 361.362 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.4	48.6
71	39.1	31.3	46.9

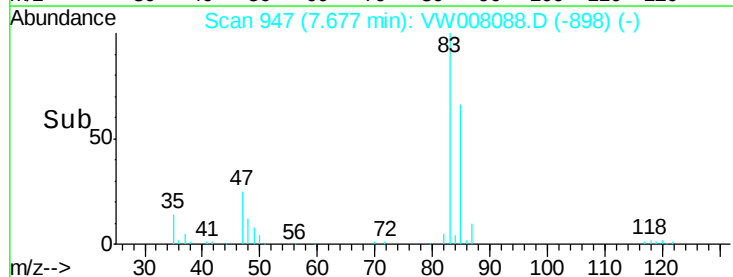
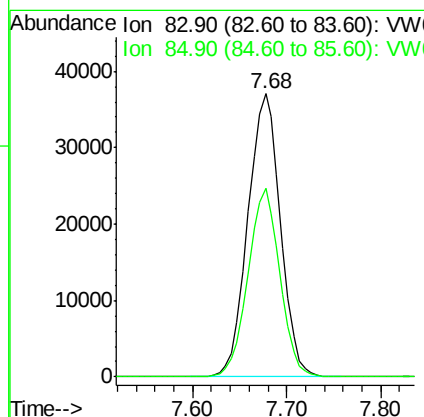
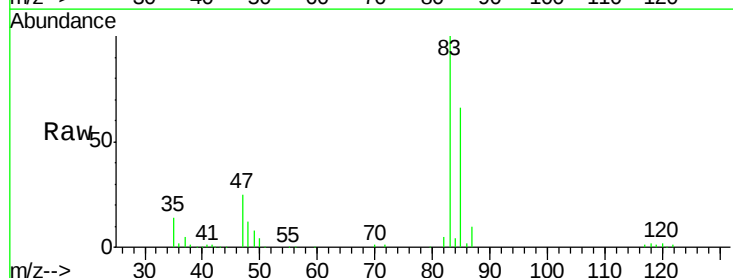
Manual Integrations
APPROVED

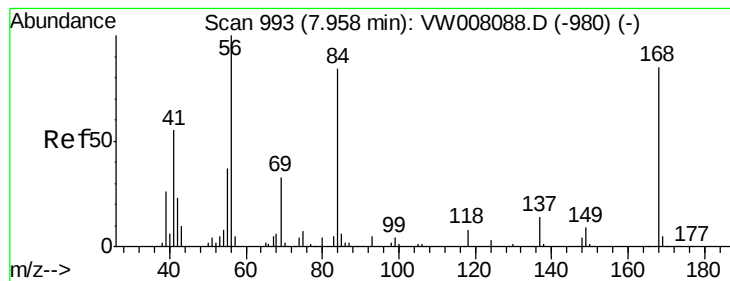
MMDadoda
1/9/2019 11:07:50 AM



#30
Chloroform
Concen: 50.554 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.2	79.8





#31

Cyclohexane

Concen: 62.132 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

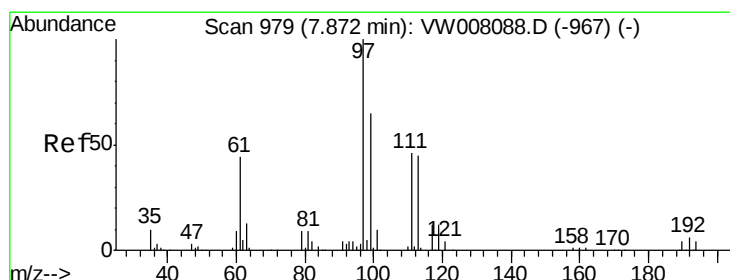
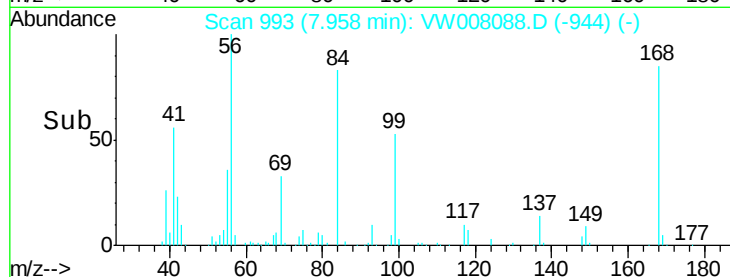
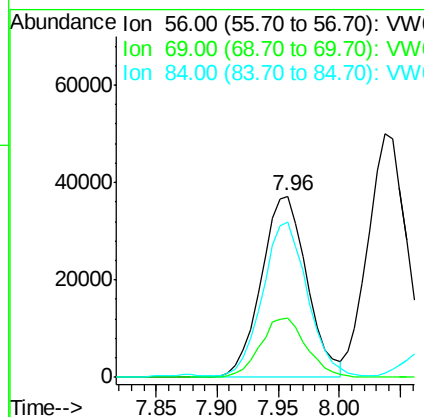
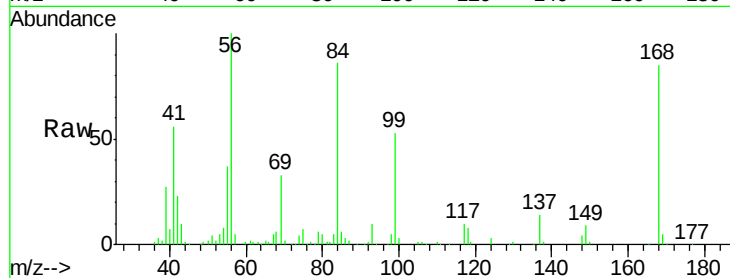
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	96979
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	84.3	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.214 ug/l

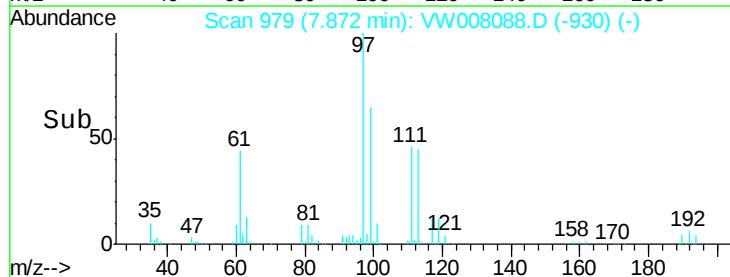
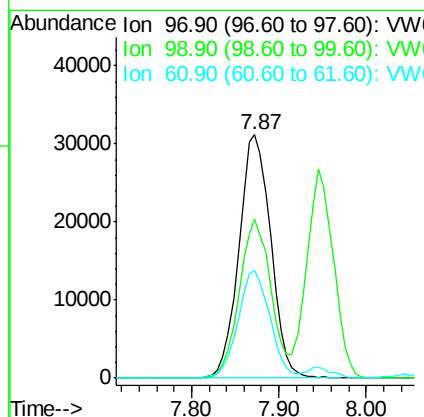
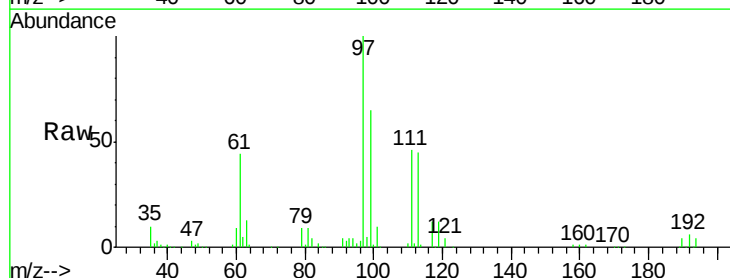
RT: 7.87 min Scan# 979

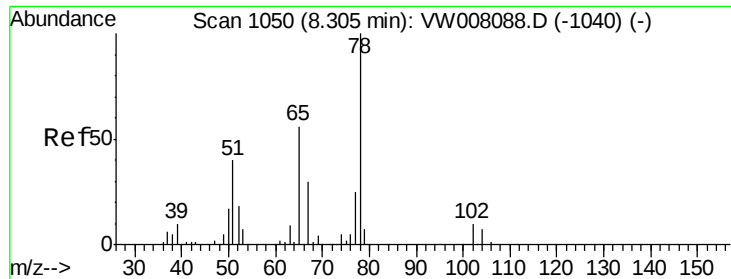
Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion:	97	Resp:	78845
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	44.5	35.6	53.4





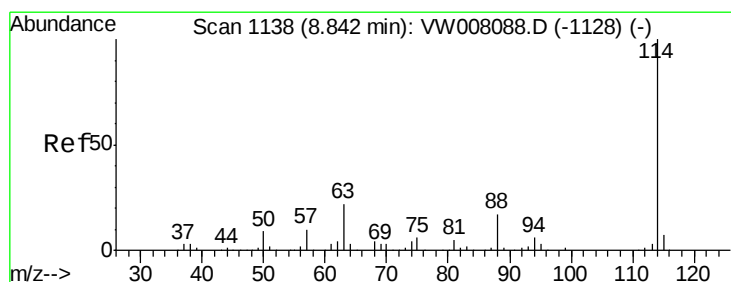
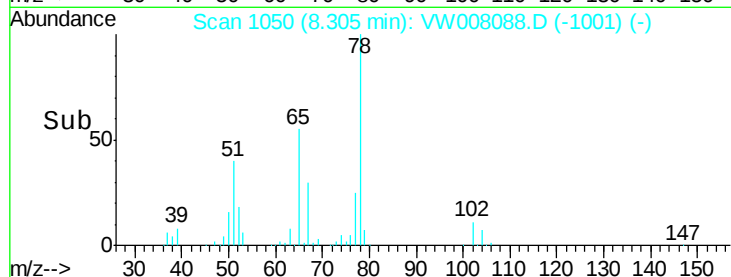
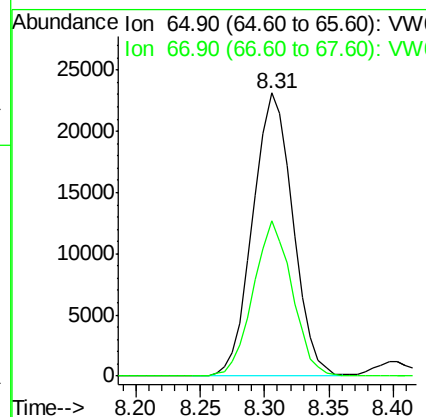
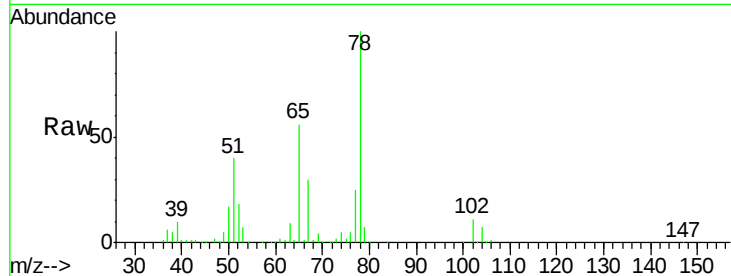
#33
 1,2-Dichloroethane-d4
 Concen: 51.224 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.8

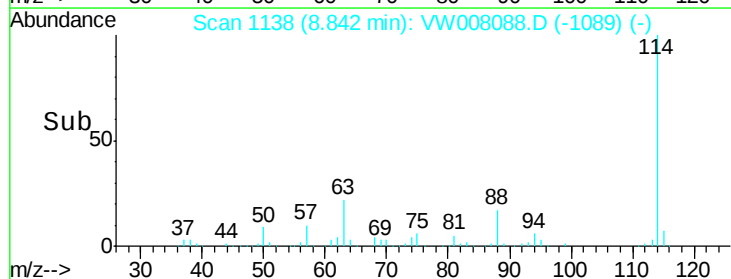
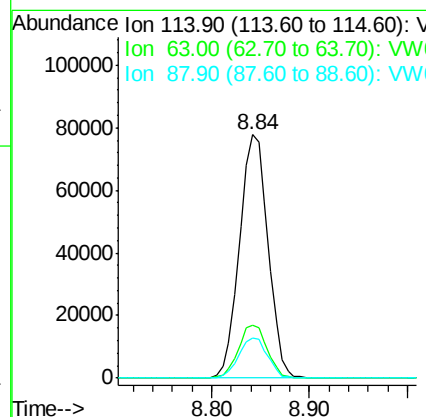
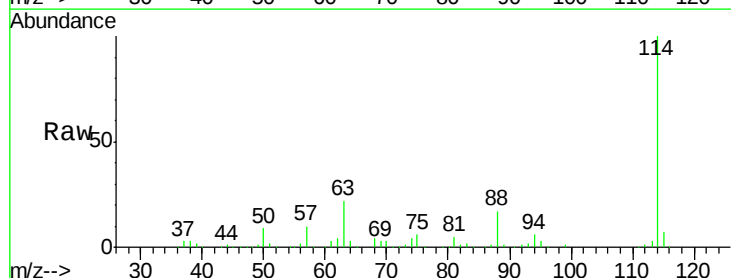
Manual Integrations
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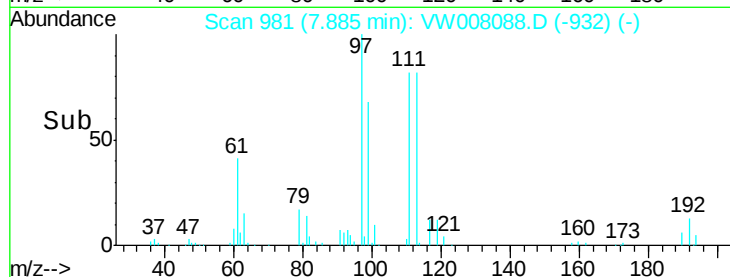
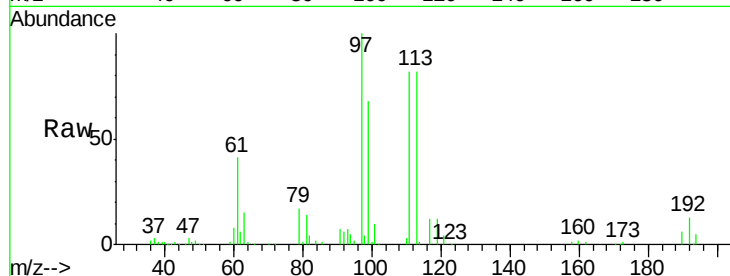
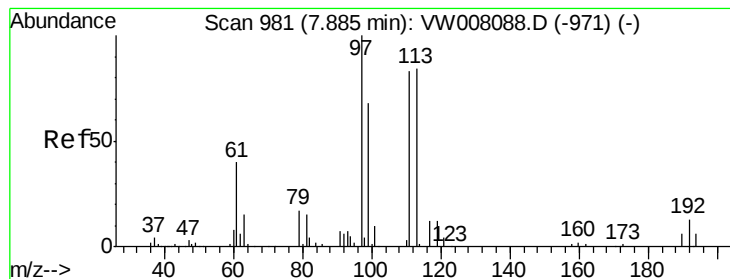
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 1/9/2019 11:07:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.7	0.0	33.4





#35

Dibromofluoromethane

Concen: 46.015 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008088.D

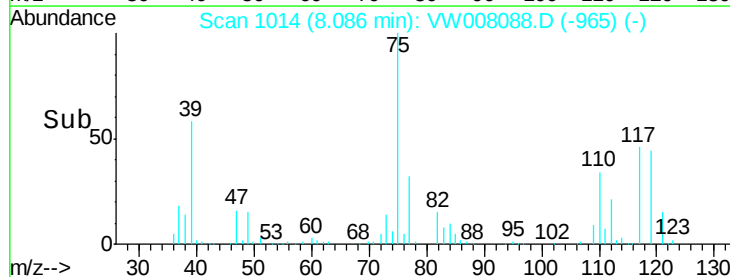
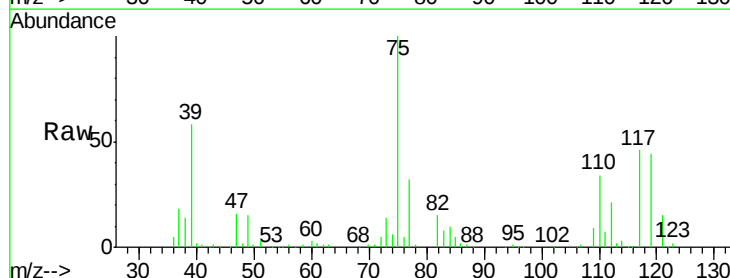
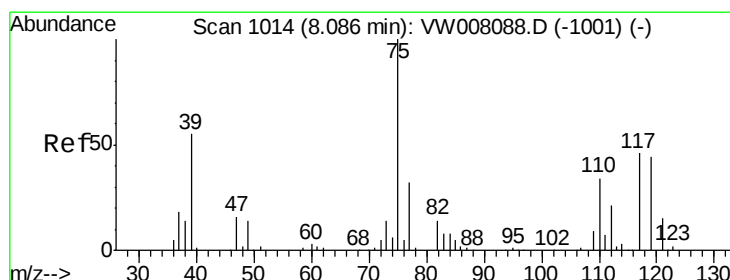
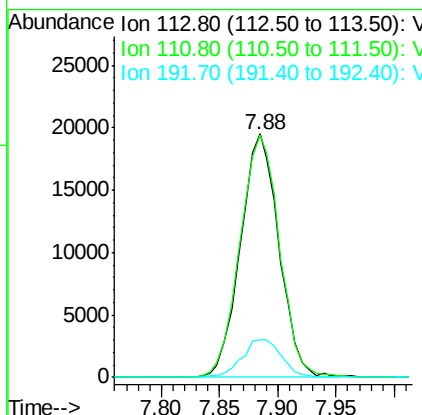
Acq: 08 Jan 2019 16:28

Tot Ion:	113	Resp:	44935
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	16.0	12.8	19.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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1/9/2019 11:07:50 AM



#36

1,1-Dichloropropene

Concen: 49.859 ug/l

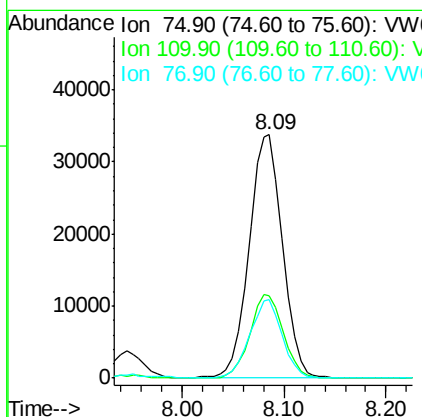
RT: 8.09 min Scan# 1014

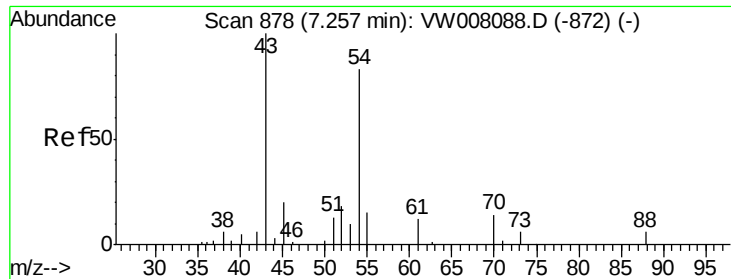
Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion:	75	Resp:	76887
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.1	51.3
77	31.9	25.5	38.3





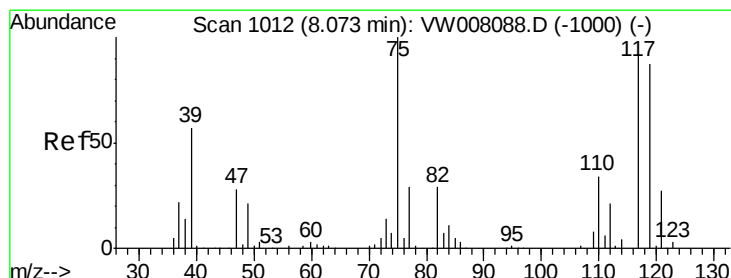
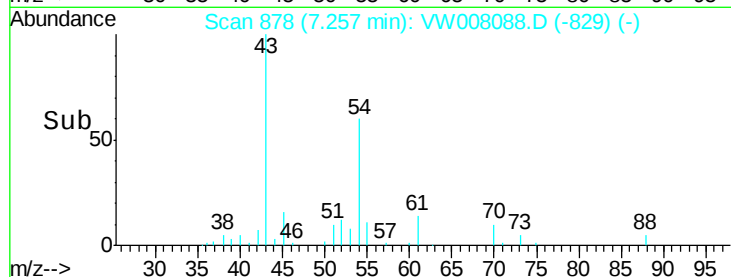
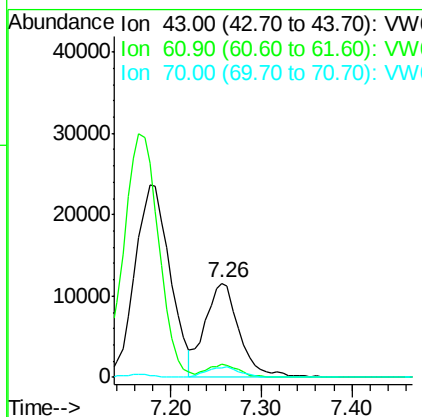
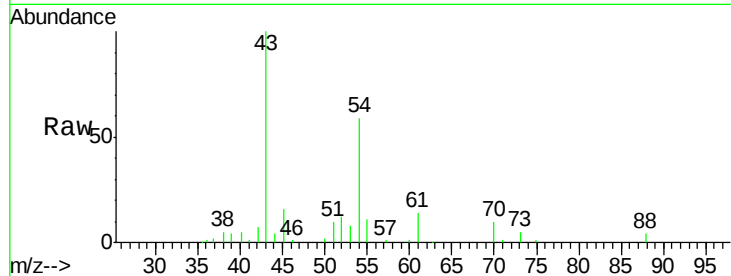
#37
Ethyl Acetate
Concen: 61.690 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	16.0
70	11.1	8.9	13.3

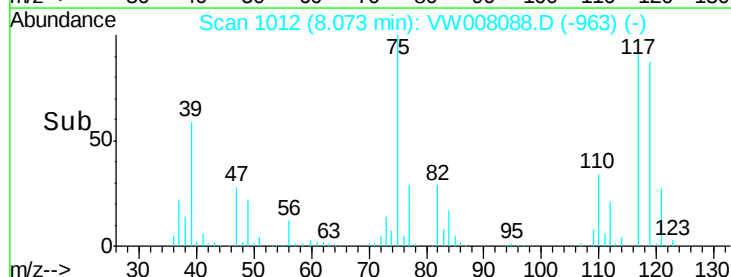
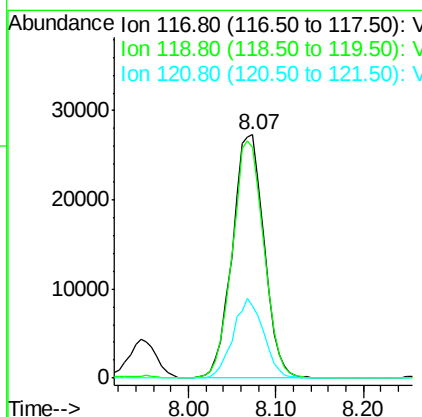
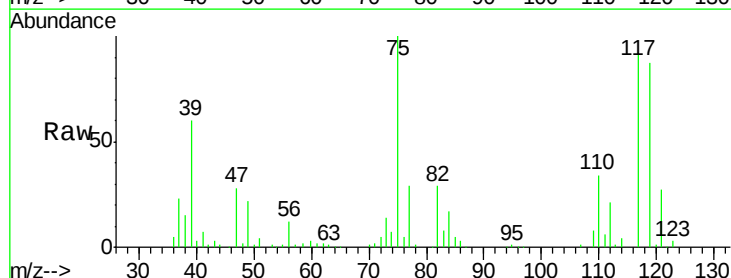
Manual Integrations
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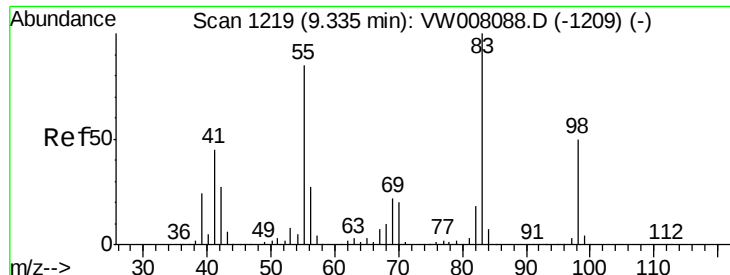
MMDadoda
1/9/2019 11:07:50 AM



#38
Carbon Tetrachloride
Concen: 38.971 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	29.6	23.7	35.5





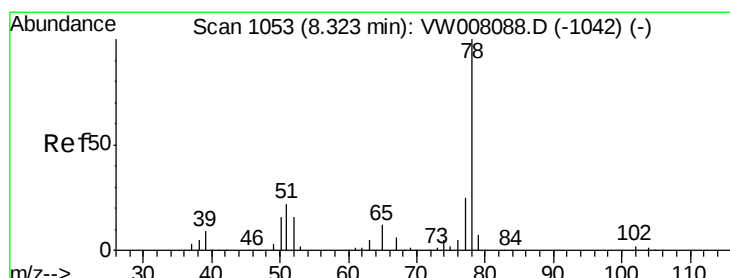
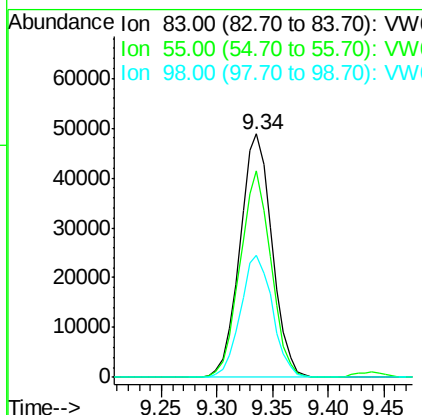
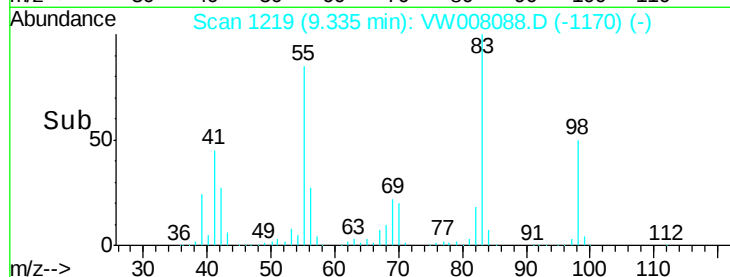
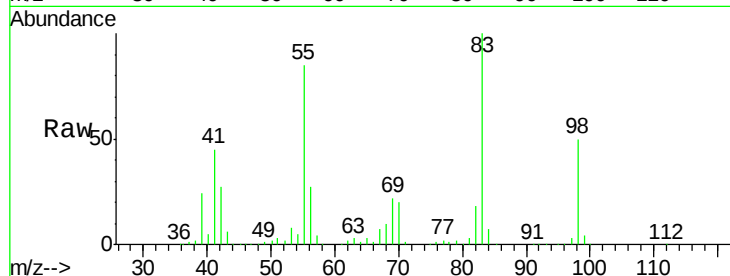
#39
Methvlcvclohexane
Concen: 50.568 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	97727
Ion	Ratio	Lower	Upper
83	100		
55	84.7	67.8	101.6
98	50.3	40.2	60.4

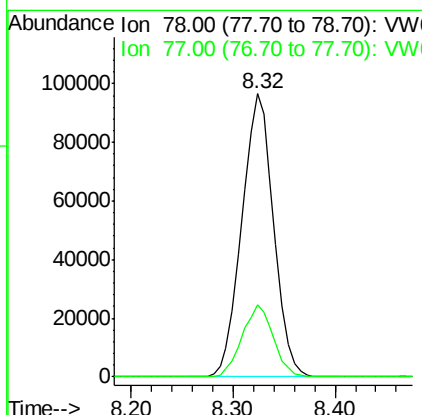
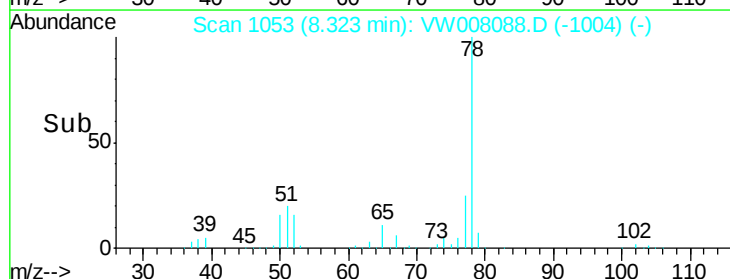
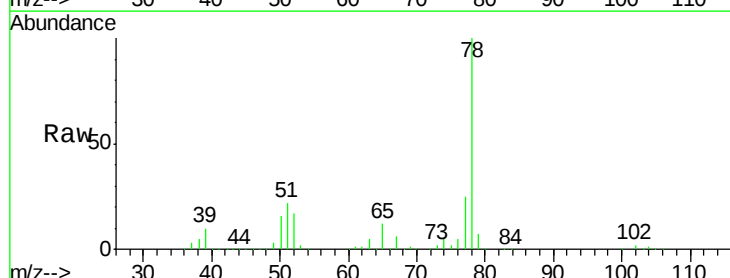
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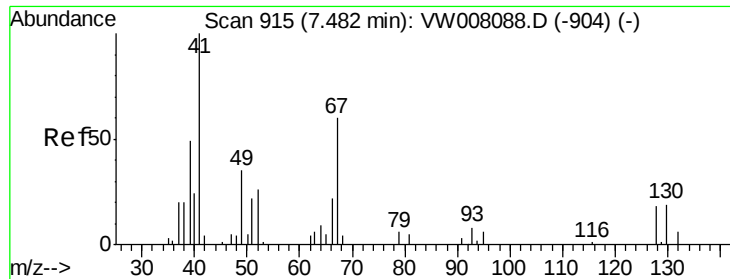
MMDadoda
1/9/2019 11:07:50 AM



#40
Benzene
Concen: 50.898 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	78	Resp	208666
Ion	Ratio	Lower	Upper
78	100		
77	25.3	20.2	30.4





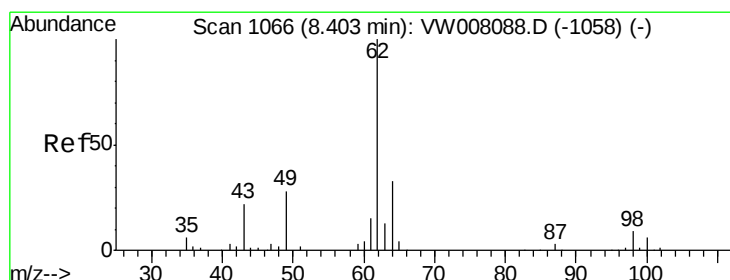
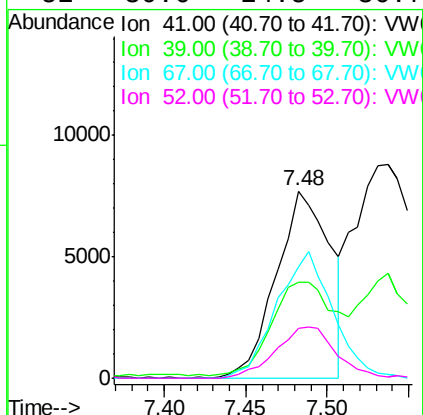
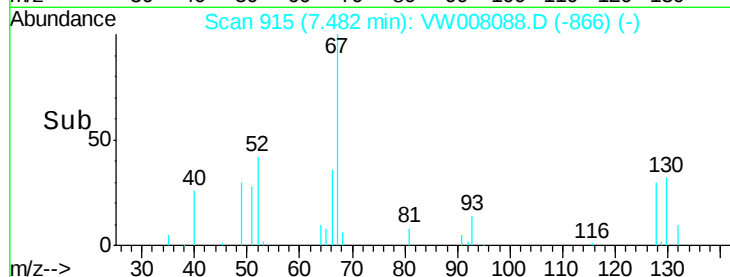
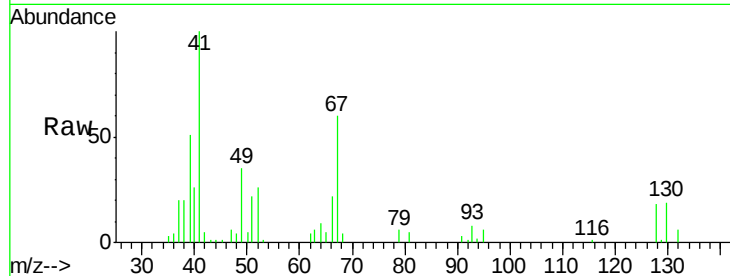
#41
Methacrylonitrile
Concen: 62.988 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.9	47.9	71.9
67	70.4	56.3	84.5
52	30.6	24.5	36.7

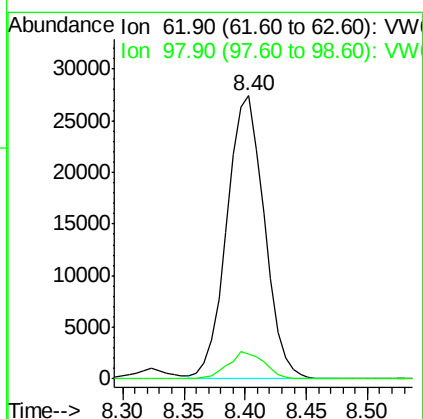
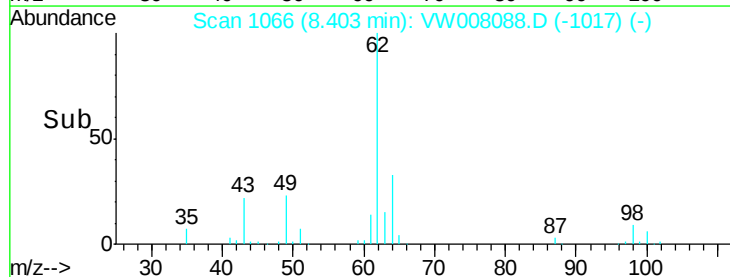
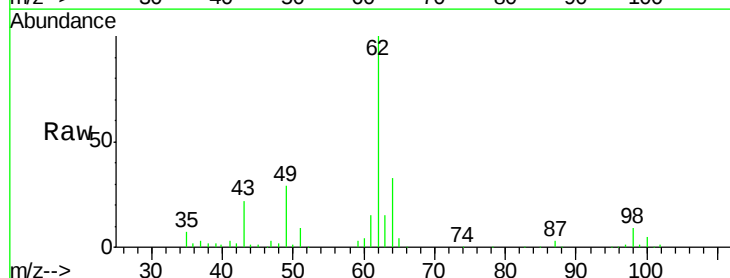
Manual Integrations
APPROVED

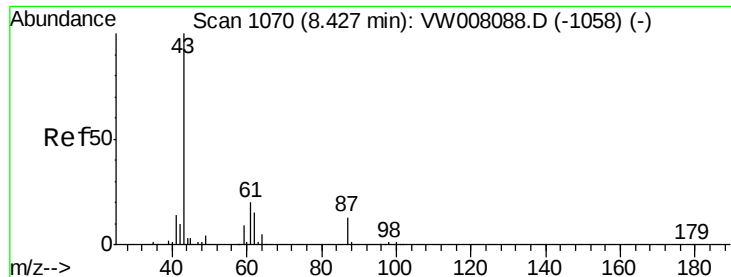
MMDadoda
1/9/2019 11:07:50 AM



#42
1,2-Dichloroethane
Concen: 43.996 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 61.956 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

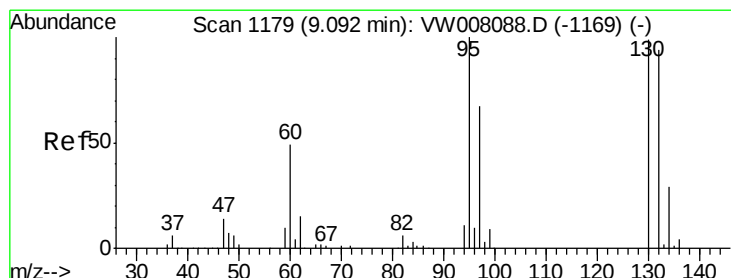
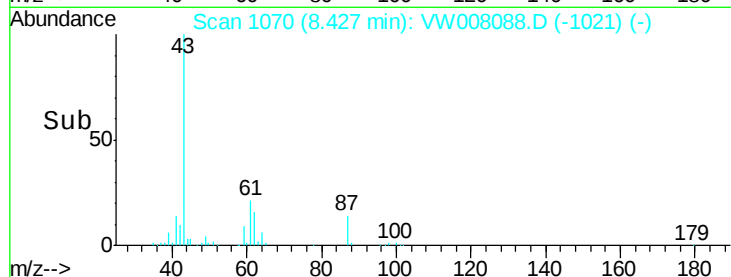
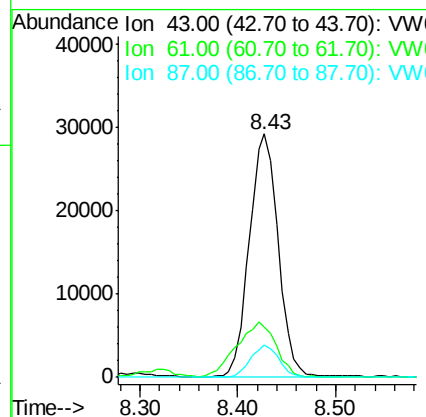
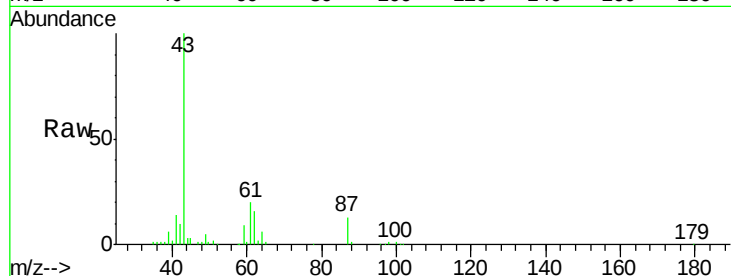
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	60213
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	13.0	10.4	15.6

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#44

Trichloroethene

Concen: 44.378 ug/l

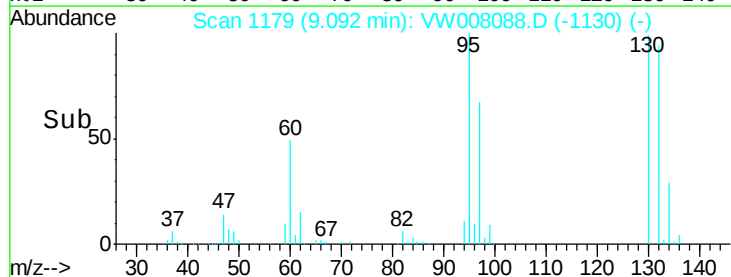
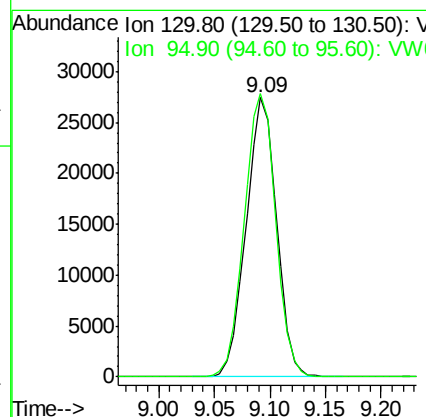
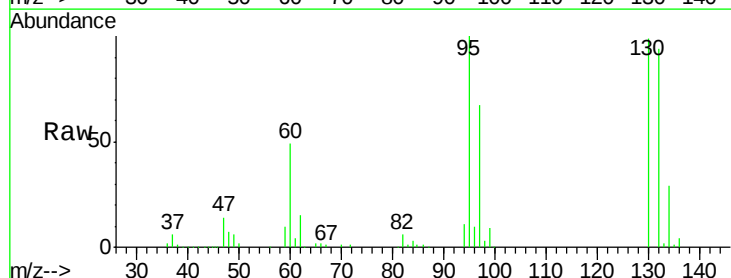
RT: 9.09 min Scan# 1179

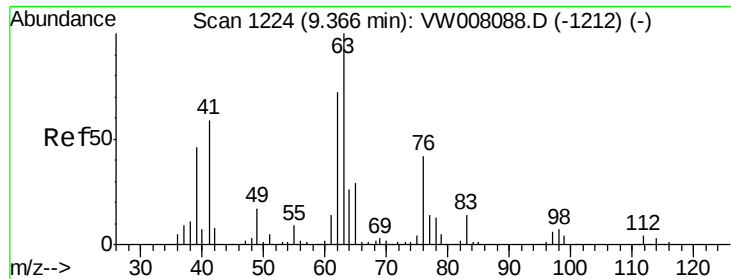
Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion:	130	Resp:	52308
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.8





#45

1,2-Dichloropropane

Concen: 56.939 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 63 Resp: 51778

Ion Ratio Lower Upper

63 100

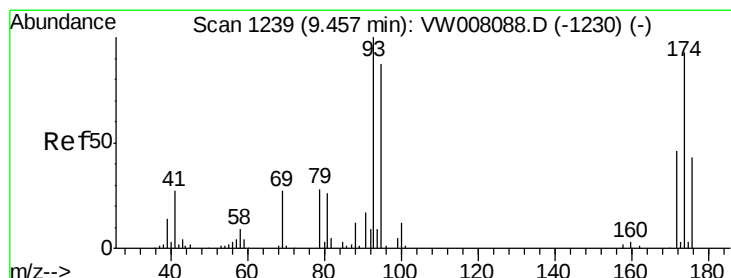
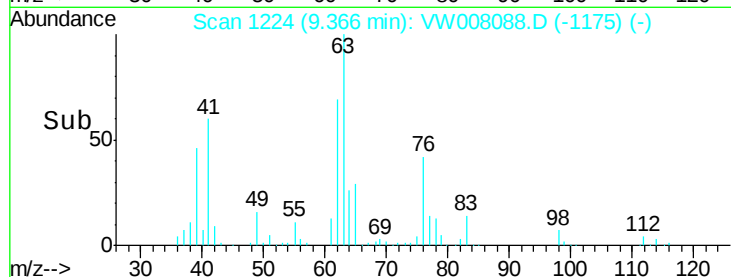
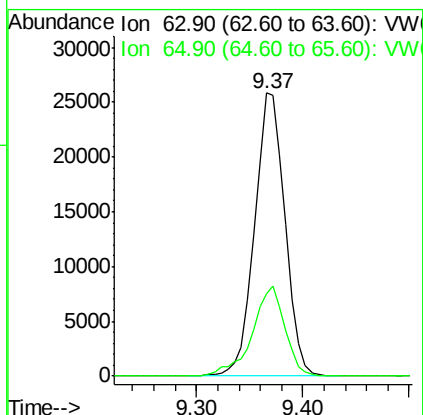
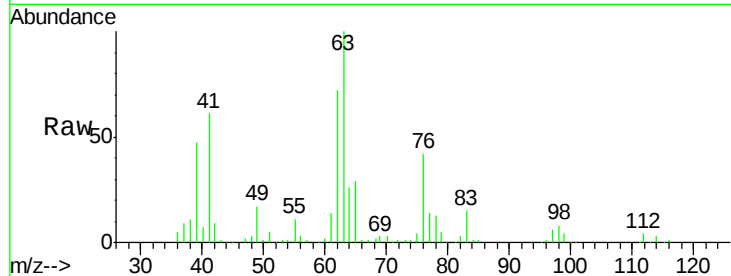
65 29.1 23.3 34.9

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#46

Dibromomethane

Concen: 48.972 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

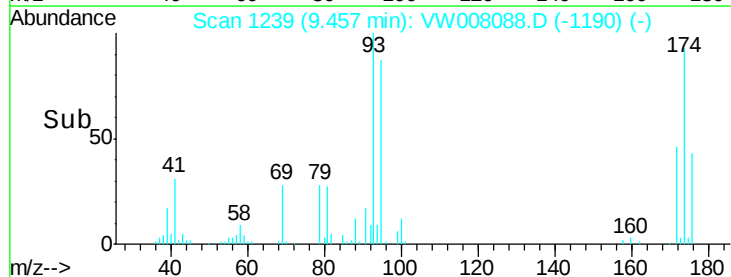
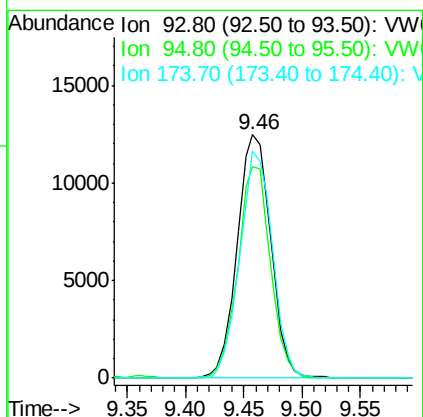
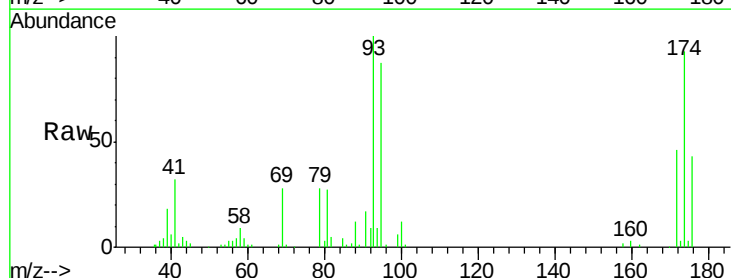
Tgt Ion: 93 Resp: 25163

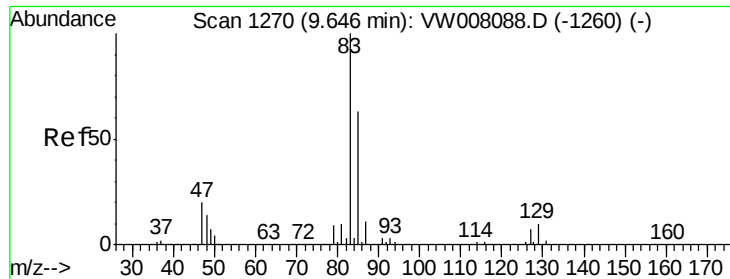
Ion Ratio Lower Upper

93 100

95 84.4 67.5 101.3

174 90.6 72.5 108.7





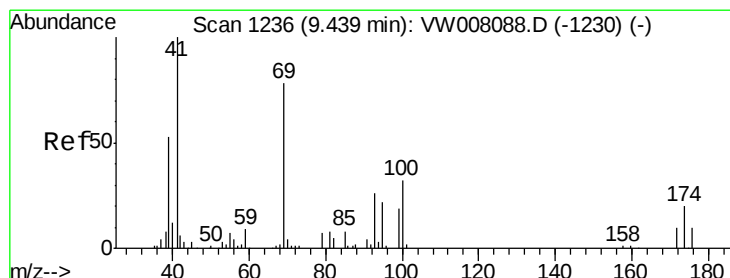
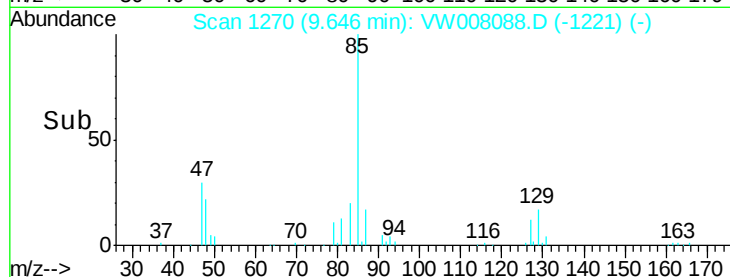
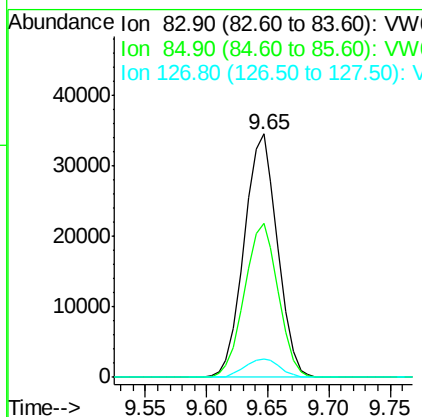
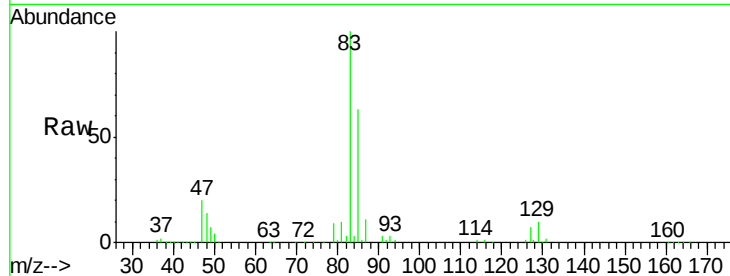
#47
Bromodichloromethane
Concen: 45.781 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	65314
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	7.5	6.0	9.0

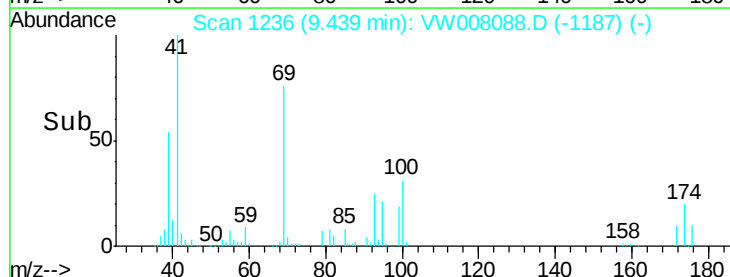
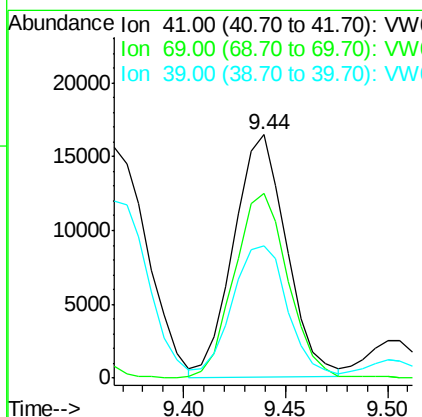
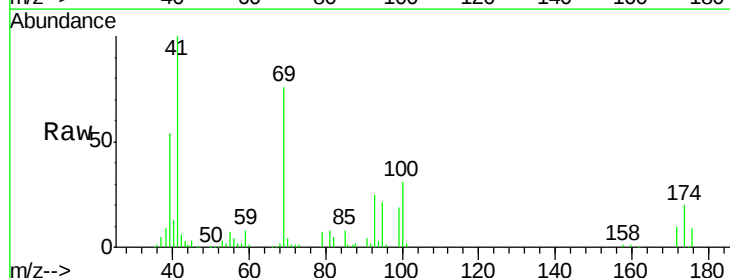
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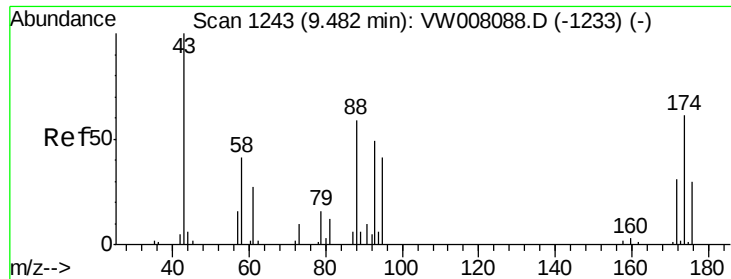
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#48
Methyl methacrylate
Concen: 60.304 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	41	Resp	29603
Ion Ratio	100	Lower	Upper
41	100		
69	77.4	61.9	92.9
39	53.7	43.0	64.4





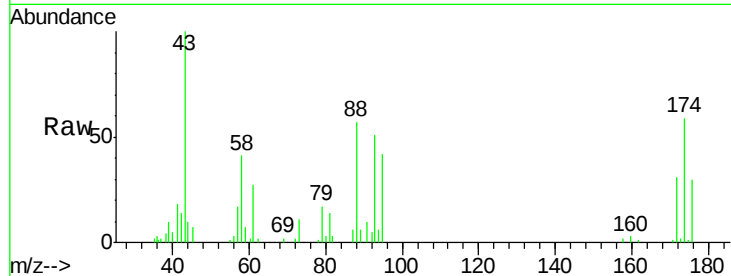
#49
1,4-Dioxane
Concen: 1044.167 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

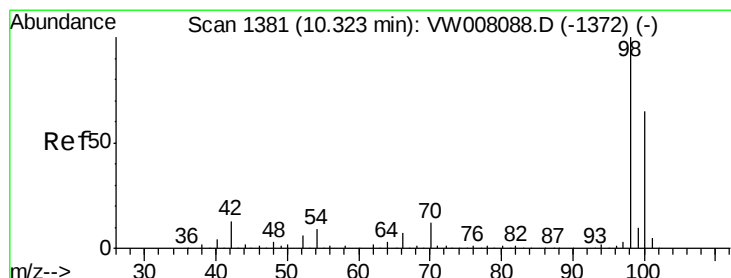
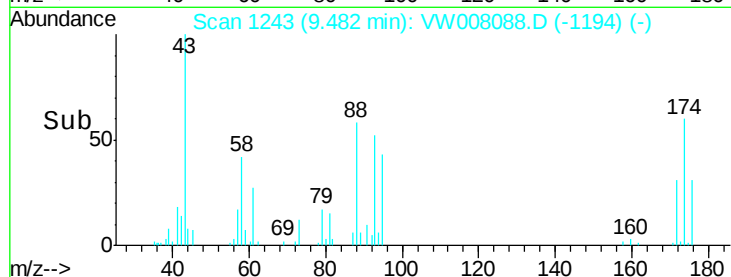
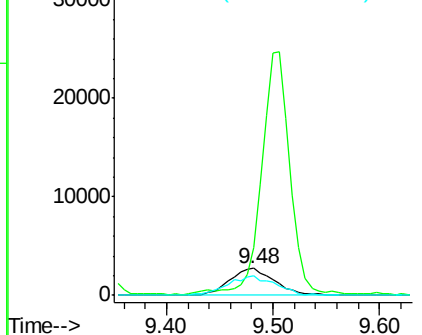
Tot Ion	88	Resp	8034
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	77.1	61.7	92.5

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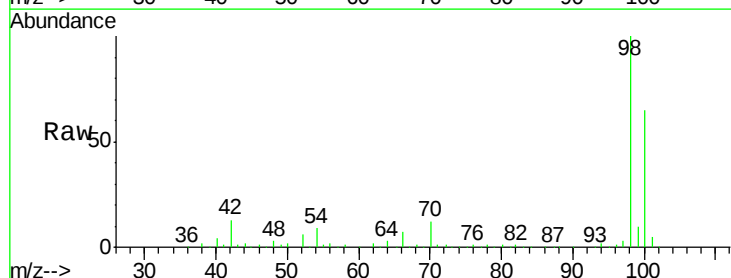


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

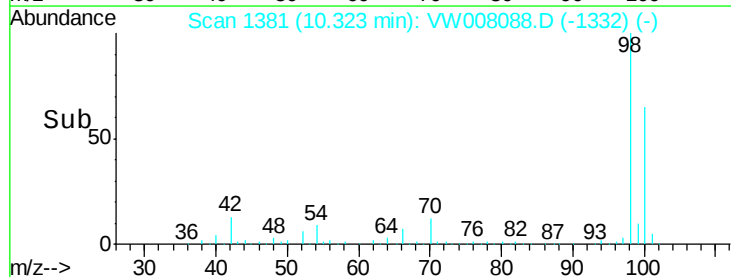
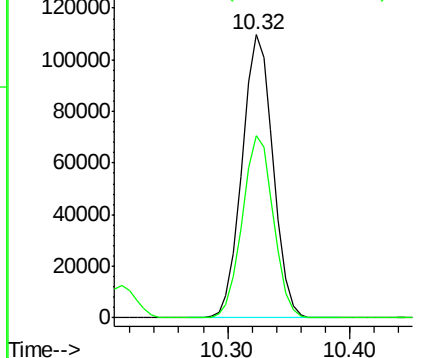


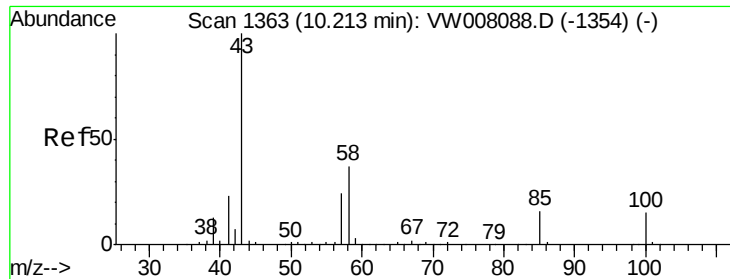
#50
Toluene-d8
Concen: 51.375 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	98	Resp	192531
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 317.966 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 145026

Ion Ratio Lower Upper

43 100

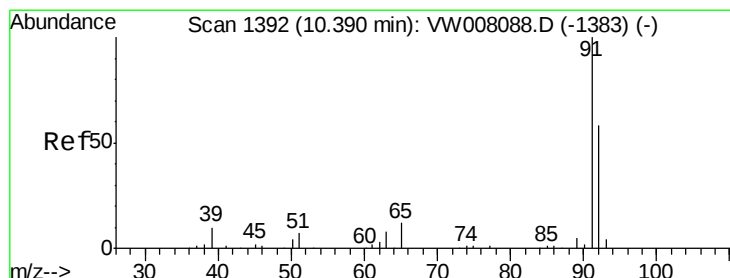
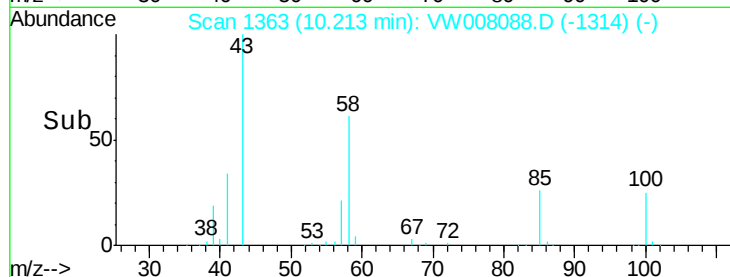
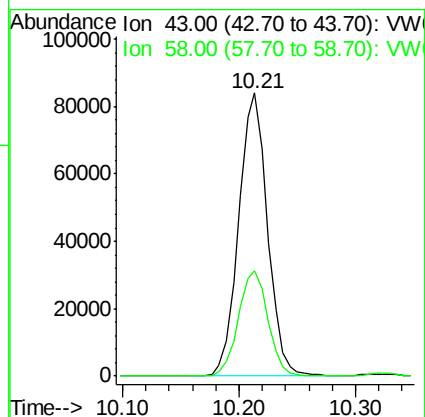
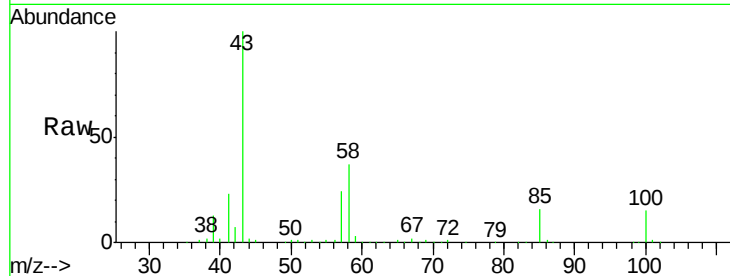
58 38.3 30.6 46.0

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#52

Toluene

Concen: 50.721 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008088.D

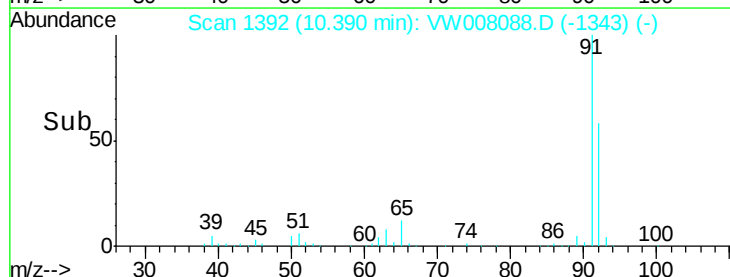
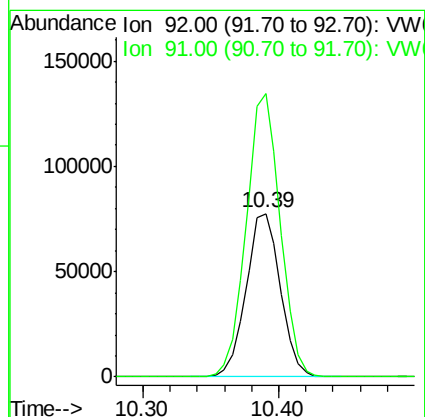
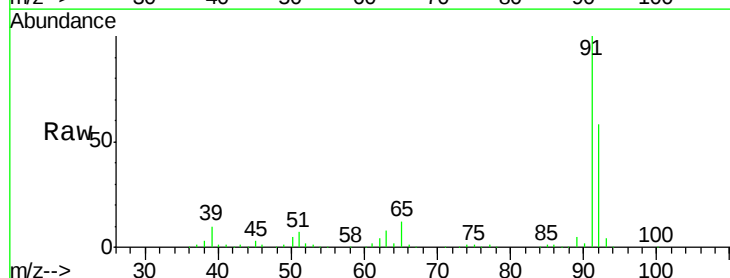
Acq: 08 Jan 2019 16:28

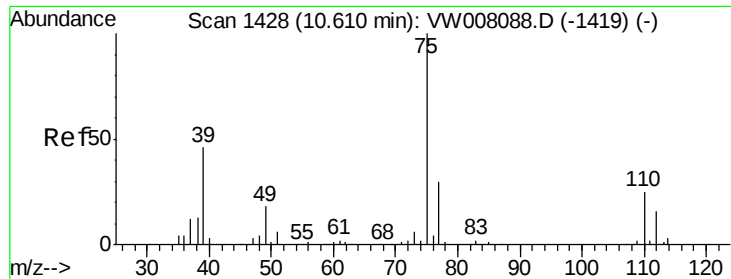
Tgt Ion: 92 Resp: 137074

Ion Ratio Lower Upper

92 100

91 171.2 137.0 205.4





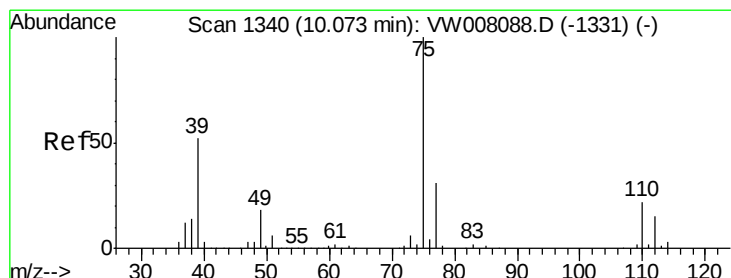
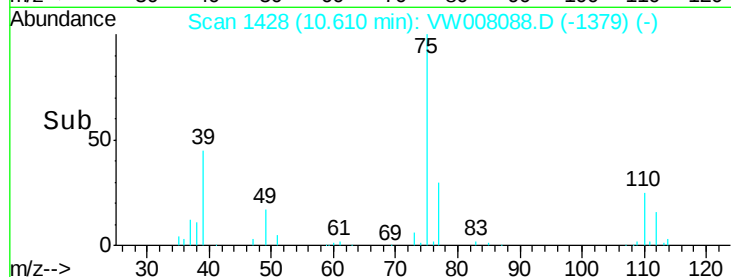
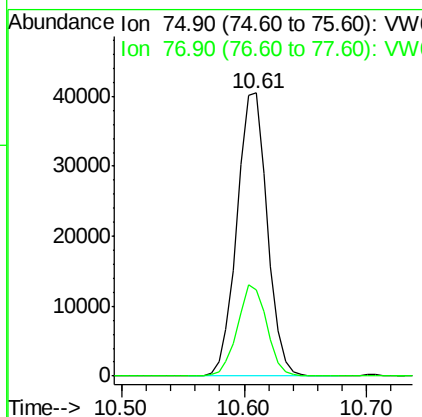
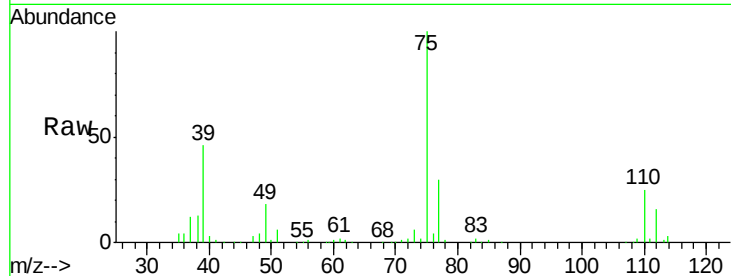
#53
t-1,3-Dichloropropene
Concen: 49.896 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 69328
Ion Ratio Lower Upper
75 100
77 30.5 24.4 36.6

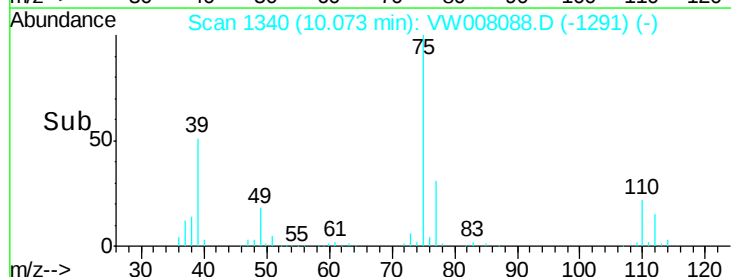
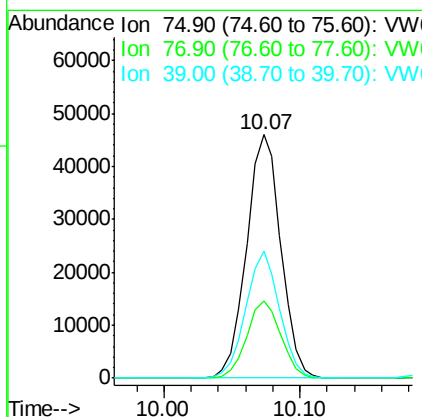
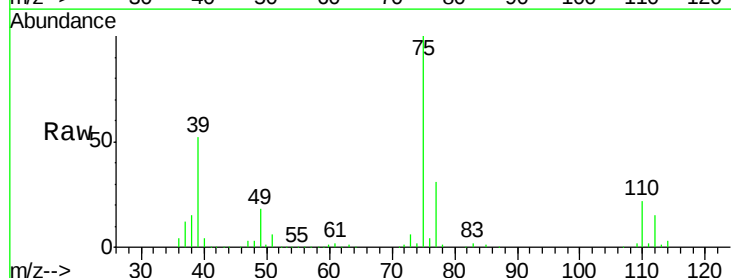
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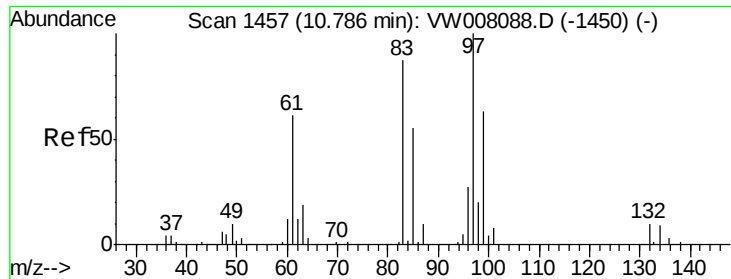
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#54
cis-1,3-Dichloropropene
Concen: 51.838 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion: 75 Resp: 81127
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 51.7 41.4 62.0





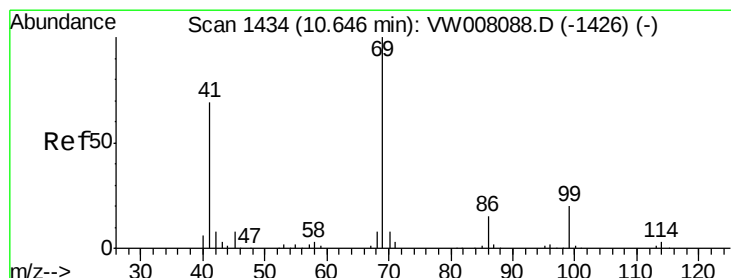
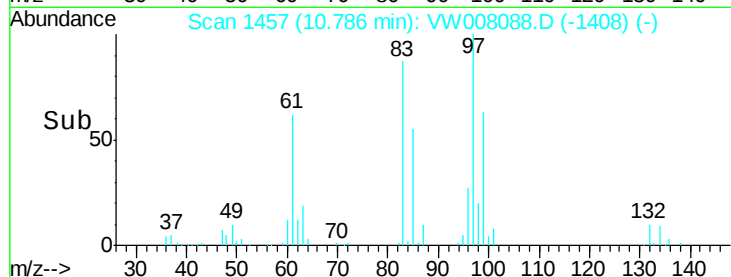
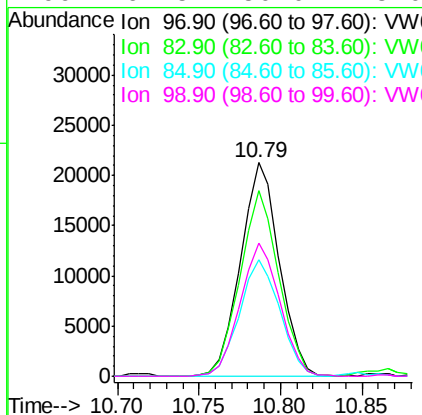
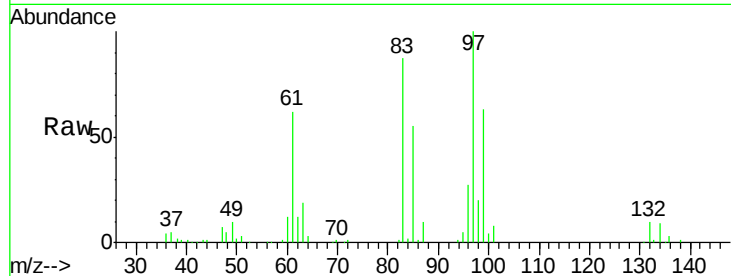
#55
 1,1,2-Trichloroethane
 Concen: 50.561 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	35276
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.3	103.9
85	54.7	43.8	65.6
99	62.5	50.0	75.0

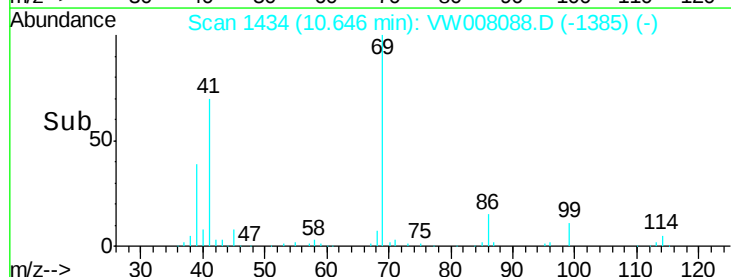
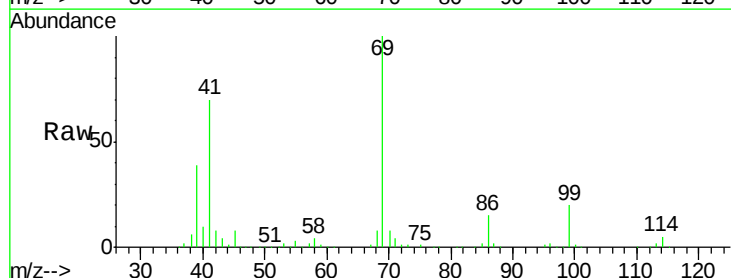
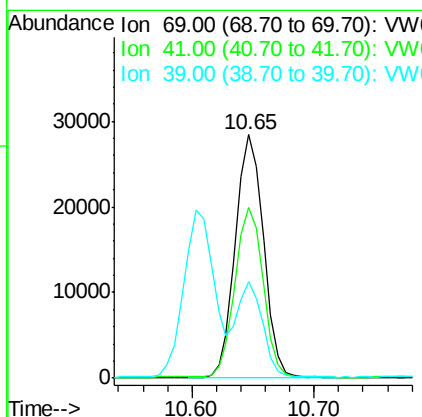
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#56
 Ethyl methacrylate
 Concen: 56.272 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion:	69	Resp:	45539
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.4	84.6
39	35.1	28.1	42.1





#57

1,3-Dichloropropane

Concen: 53.587 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 64909

Ion Ratio Lower Upper

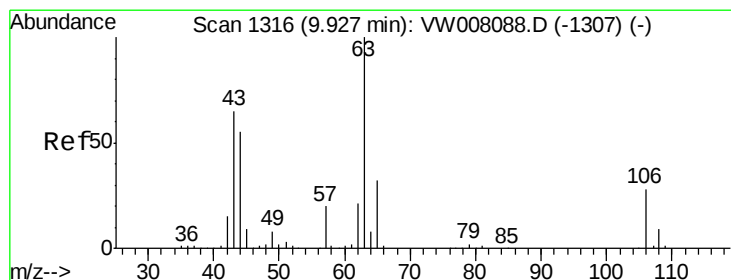
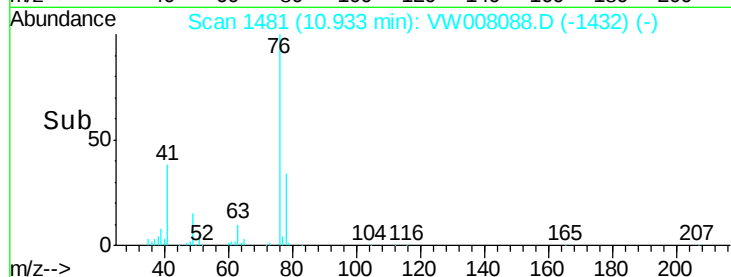
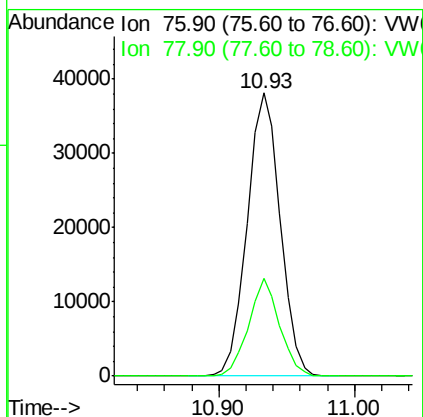
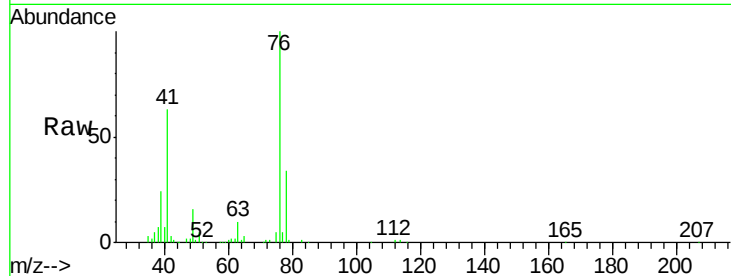
76 100

78 32.1 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 303.865 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008088.D

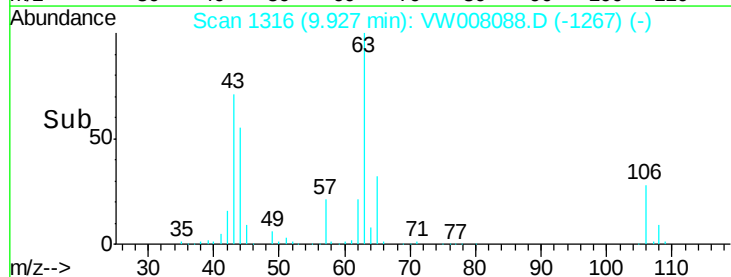
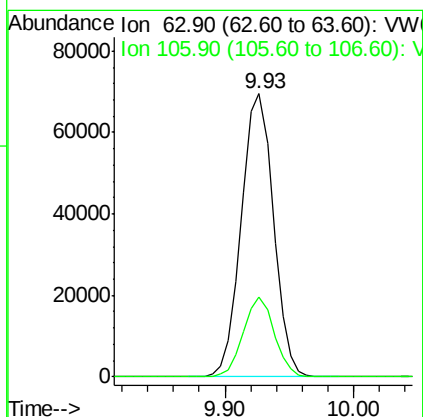
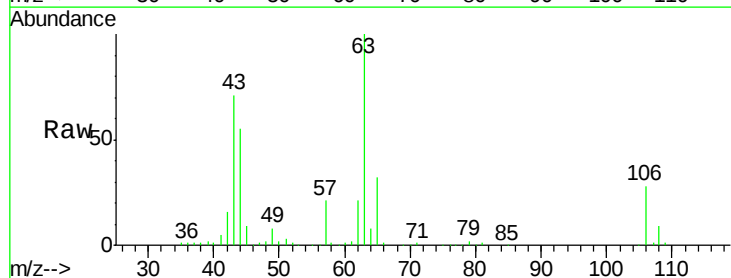
Acq: 08 Jan 2019 16:28

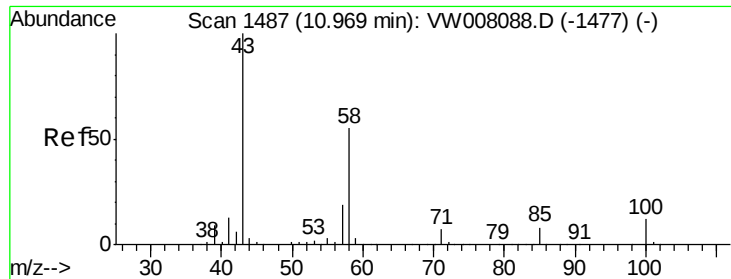
Tgt Ion: 63 Resp: 120076

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.6





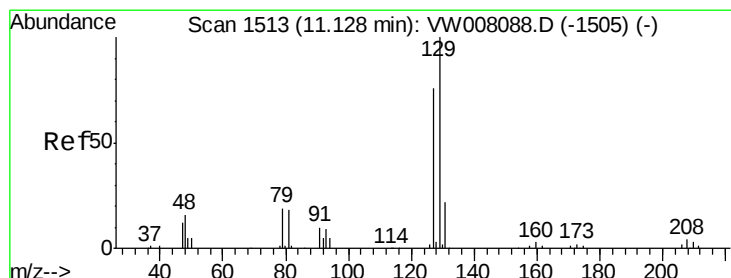
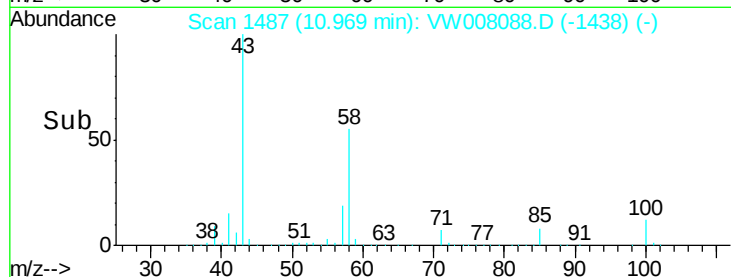
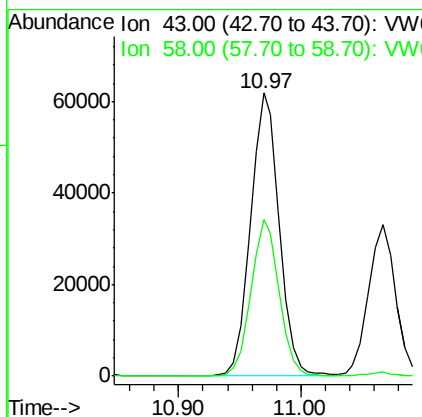
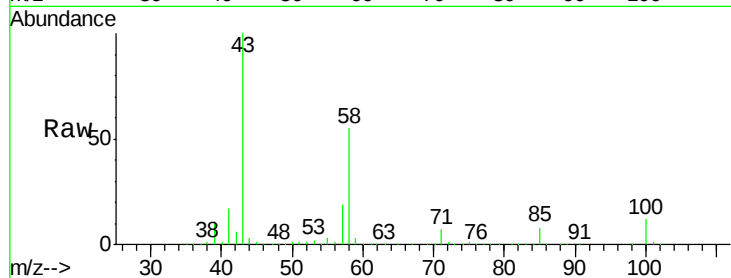
#59
2-Hexanone
Concen: 321.694 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 100971
Ion Ratio Lower Upper
43 100
58 54.3 27.2 81.5

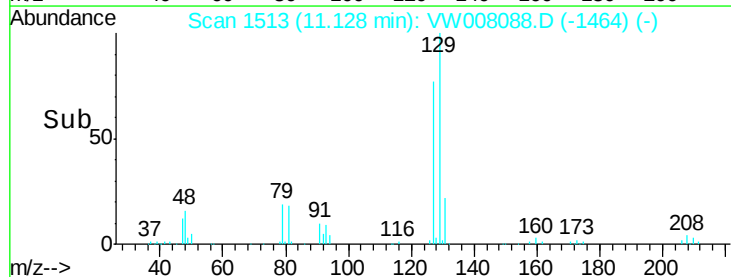
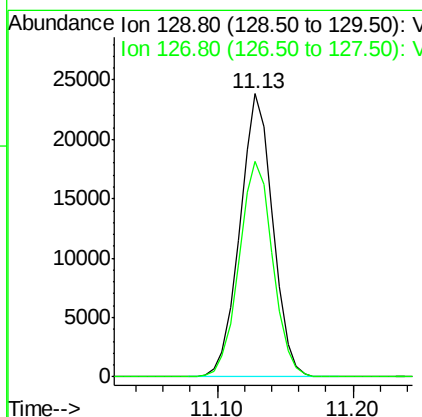
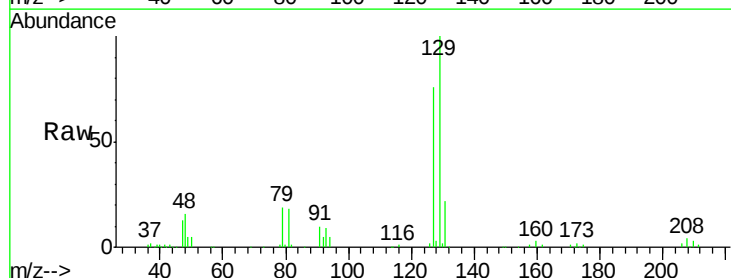
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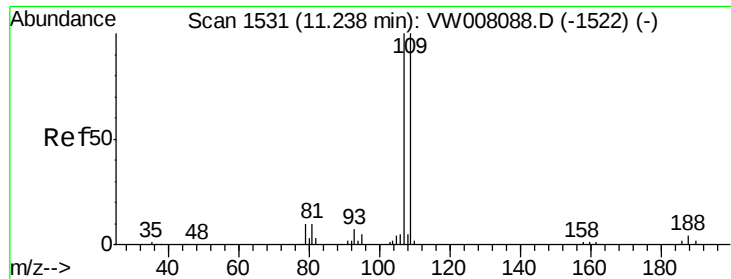
MMDadoda
1/9/2019 11:07:50 AM



#60
Dibromochloromethane
Concen: 43.107 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion: 129 Resp: 40225
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.307 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 34444

Ion Ratio Lower Upper

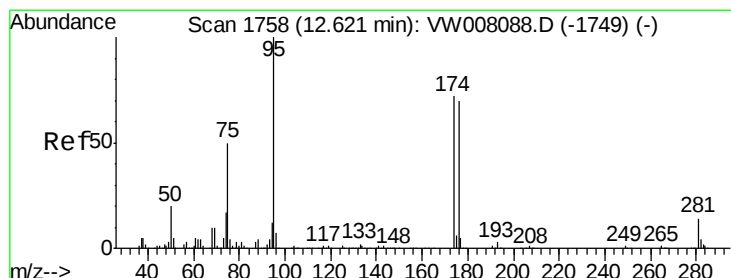
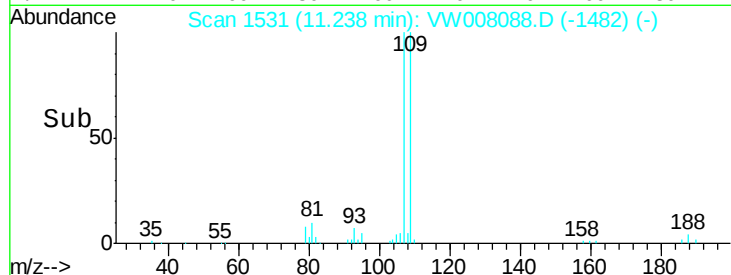
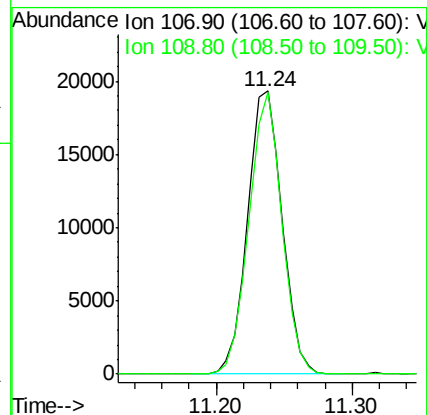
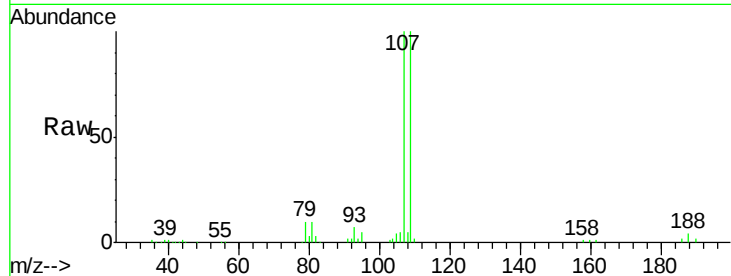
107 100

109 94.9 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 47.877 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

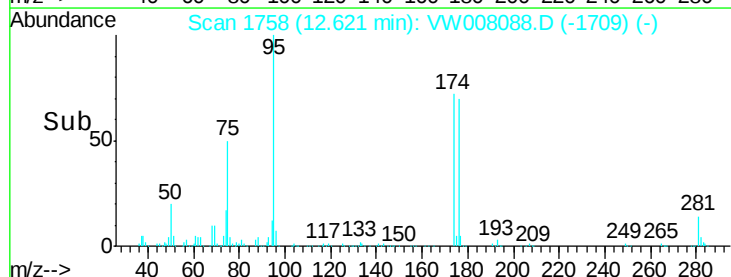
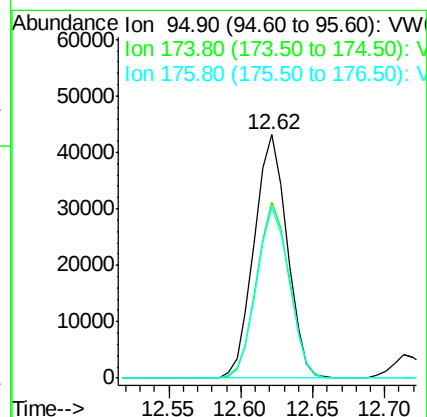
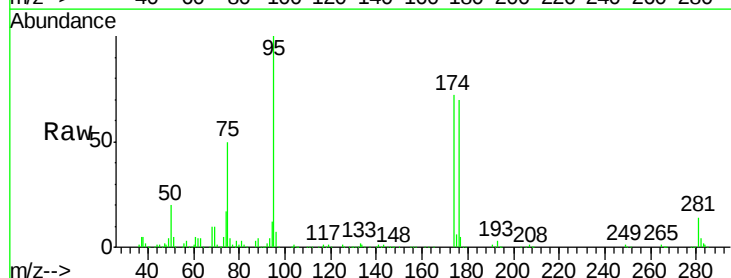
Tgt Ion: 95 Resp: 68010

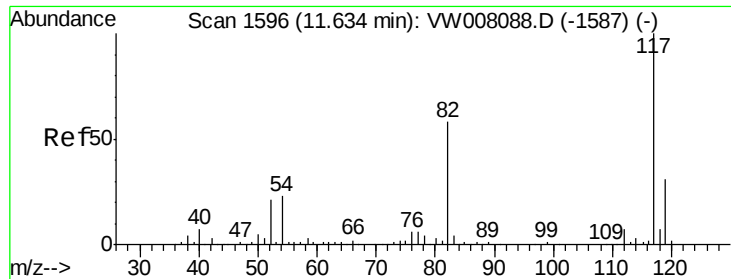
Ion Ratio Lower Upper

95 100

174 71.5 0.0 143.0

176 70.1 0.0 140.2





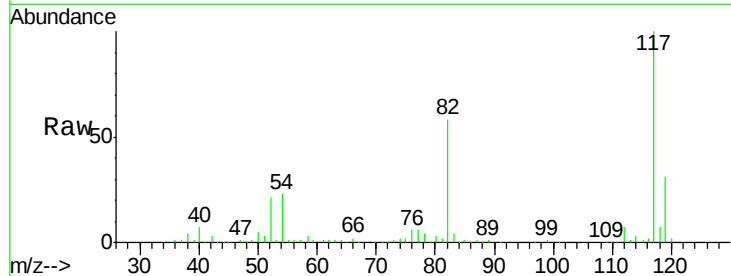
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.4	69.6
119	30.9	24.7	37.1

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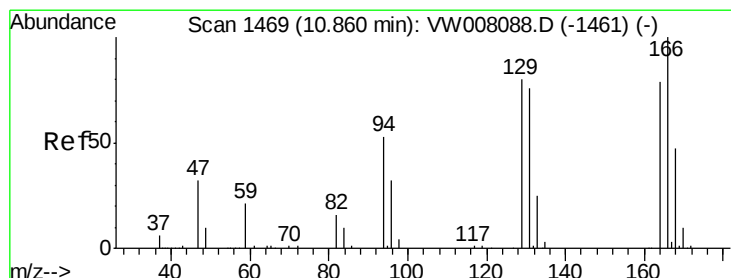
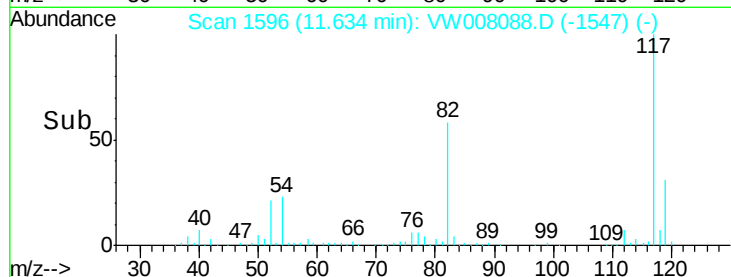
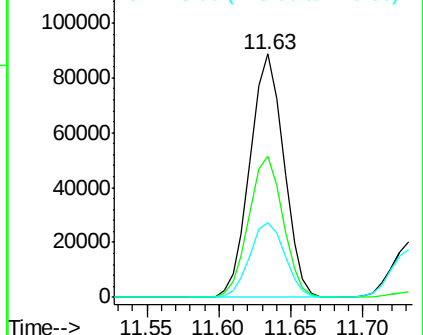


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 43.524 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.7	151.1
129	101.2	81.0	121.4
131	95.1	76.1	114.1

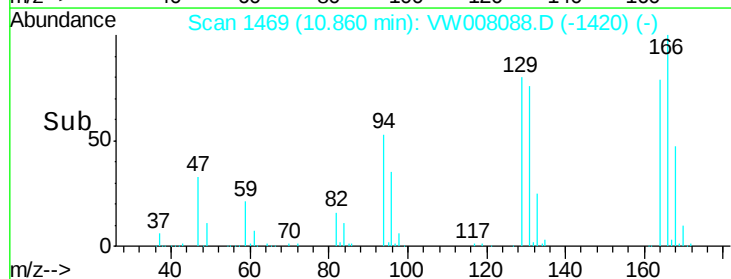
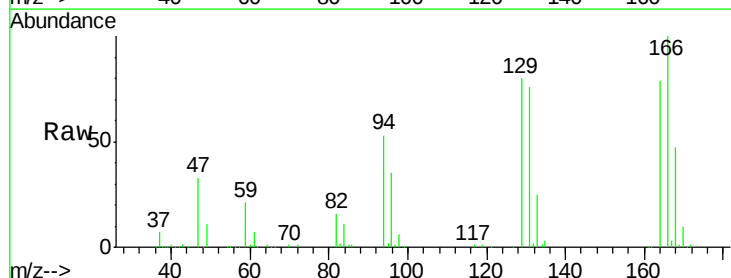
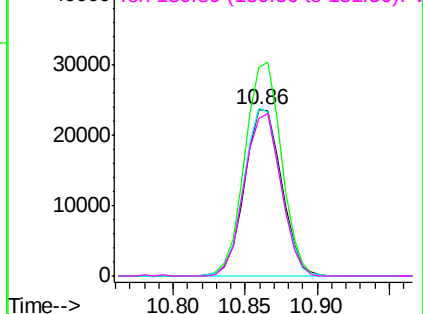
Abundance

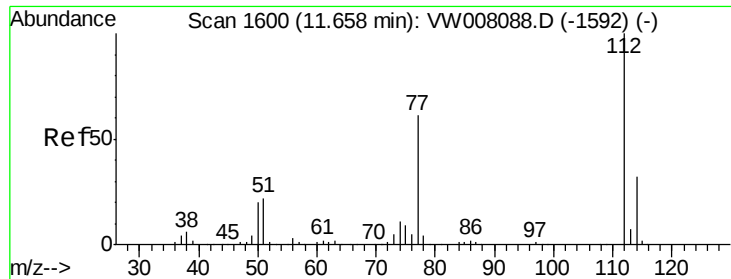
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.912 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 142247

Ion Ratio Lower Upper

112 100

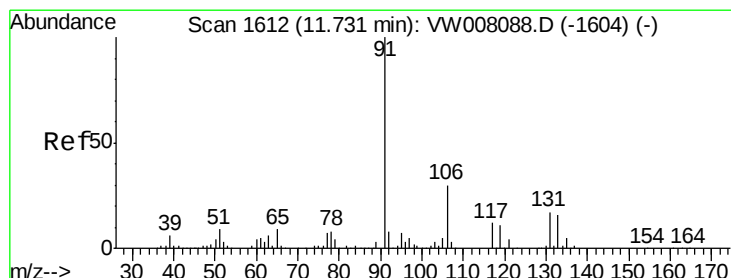
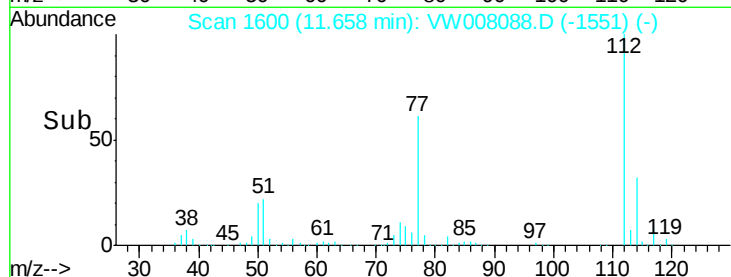
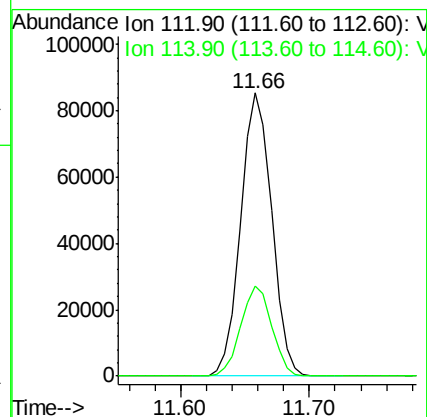
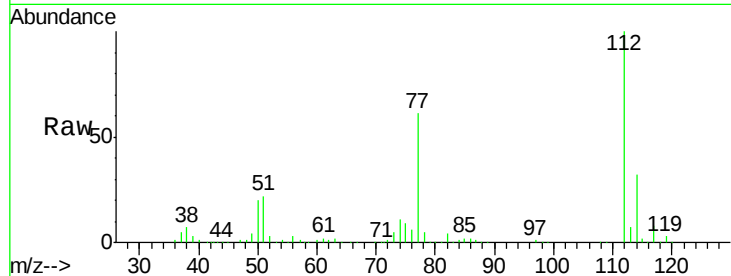
114 32.0 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 43.042 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

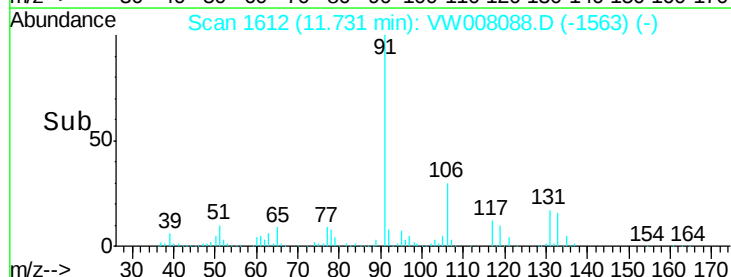
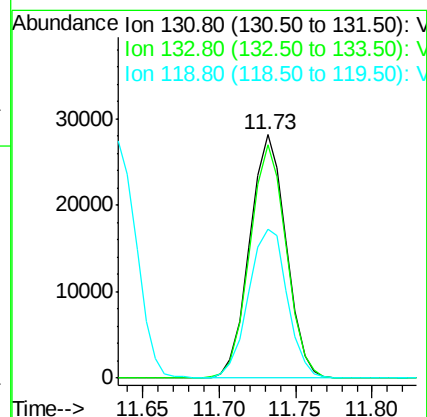
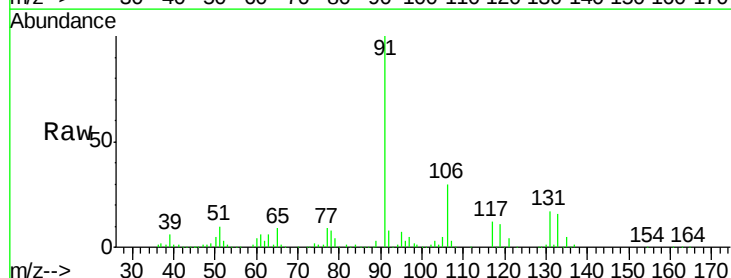
Tgt Ion:131 Resp: 46645

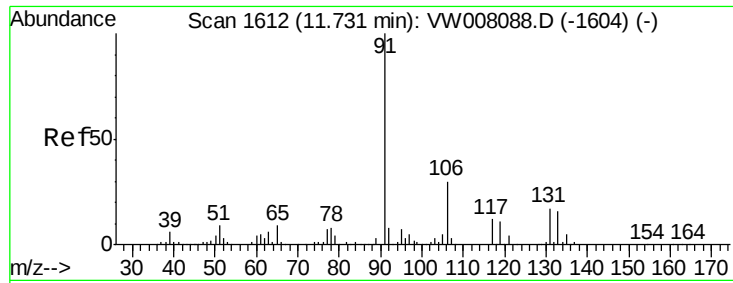
Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.7

119 64.9 32.5 97.4





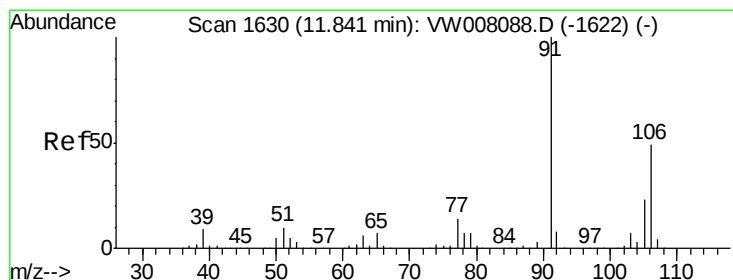
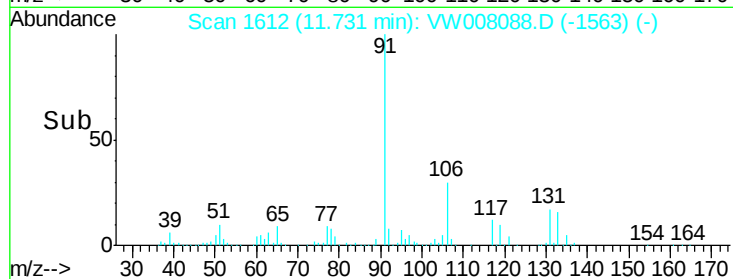
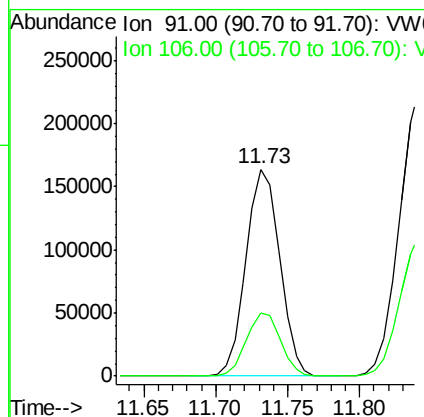
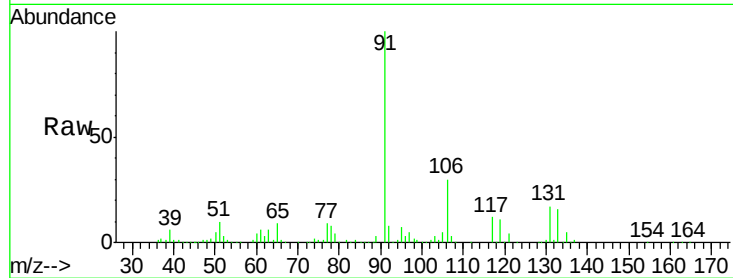
#67
Ethyl Benzene
Concen: 49.185 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 266574
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

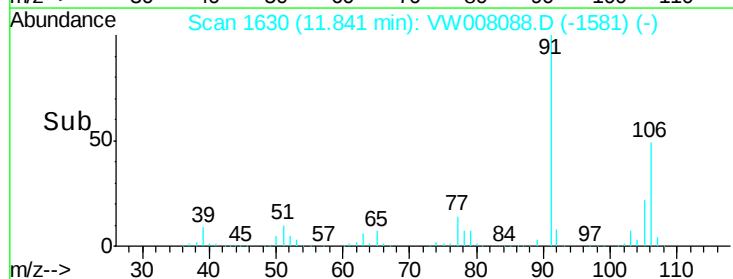
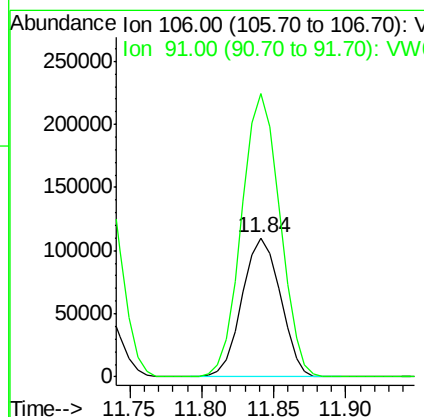
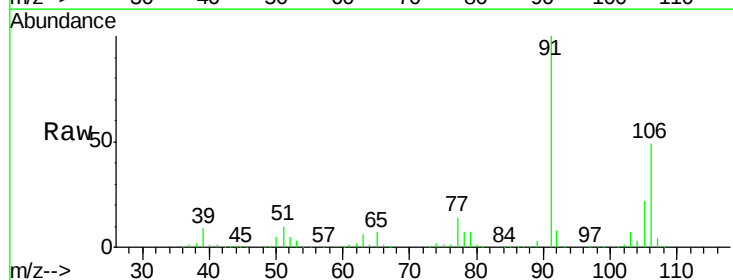
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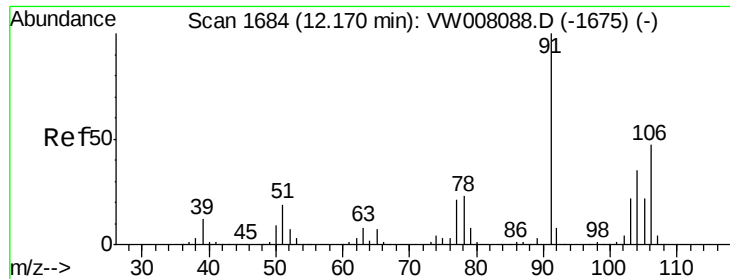
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#68
m/p-Xylenes
Concen: 97.538 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion: 106 Resp: 203855
Ion Ratio Lower Upper
106 100
91 203.0 162.4 243.6





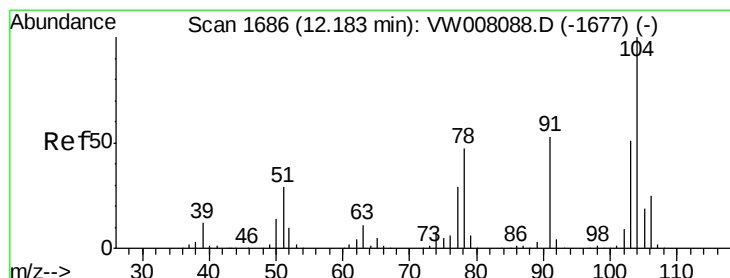
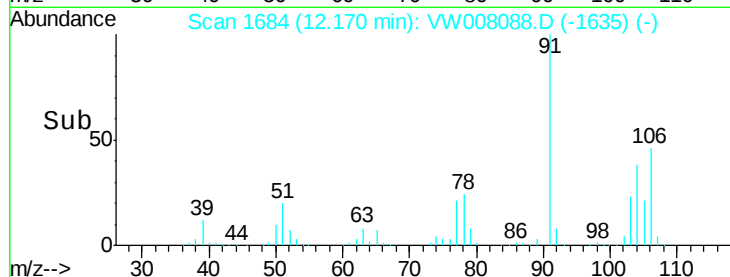
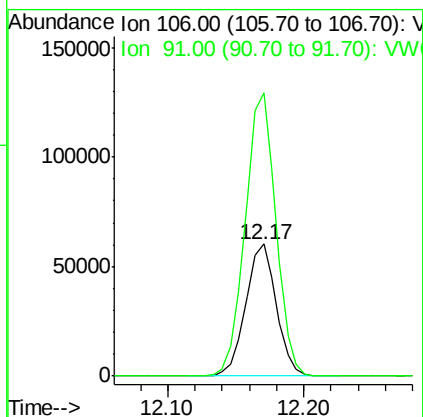
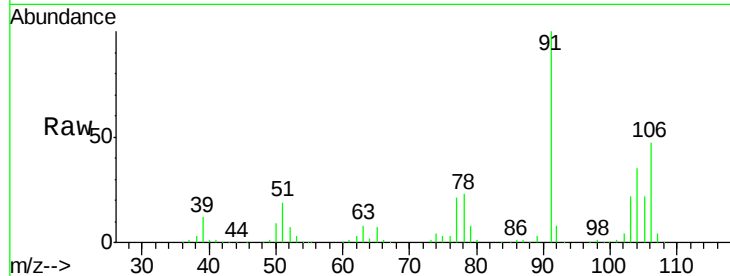
#69
o-Xylene
Concen: 48.729 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 94723
Ion Ratio Lower Upper
106 100
91 215.7 107.8 323.6

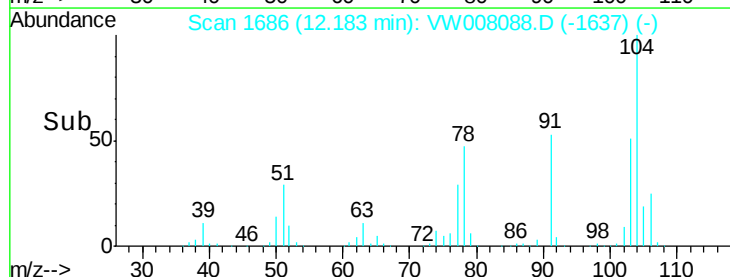
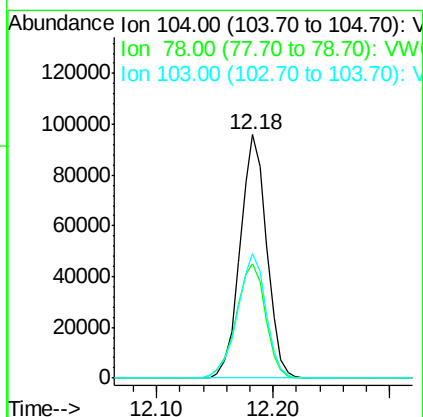
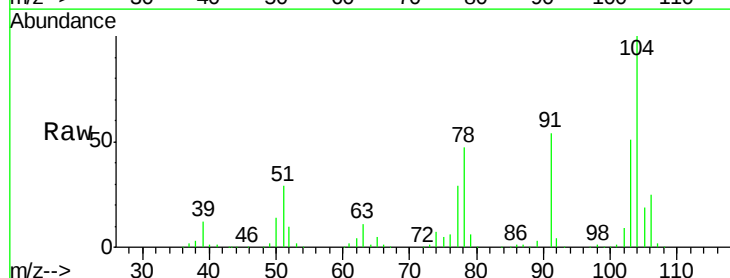
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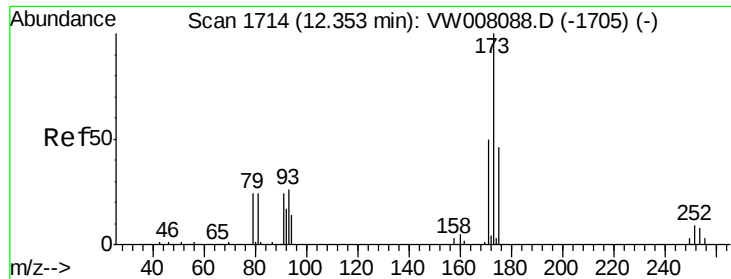
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#70
Styrene
Concen: 48.190 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion:104 Resp: 152298
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 54.8 43.8 65.8





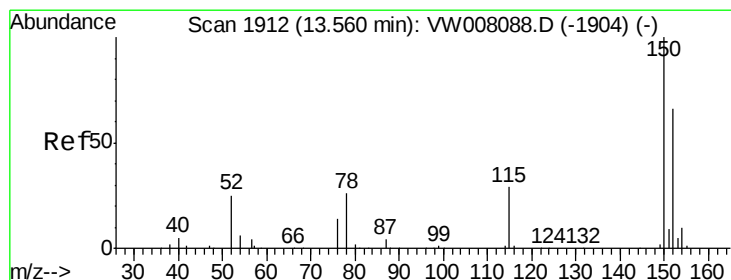
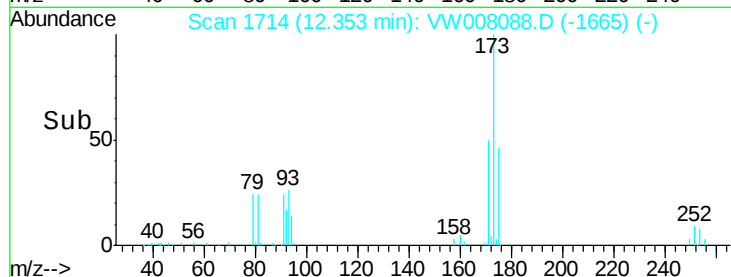
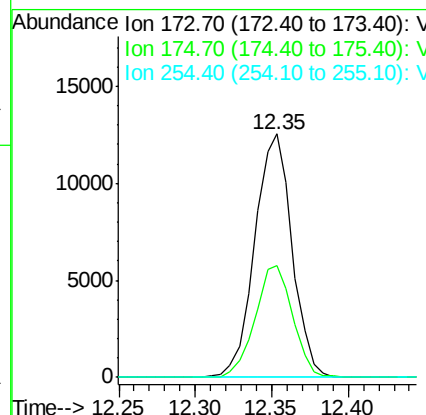
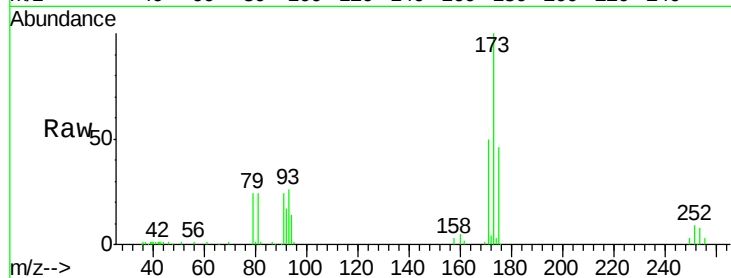
#71
Bromoform
Concen: 42.392 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.3	69.8
254	0.0	0.0	0.0

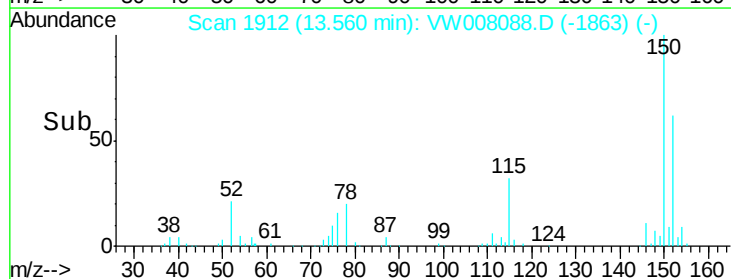
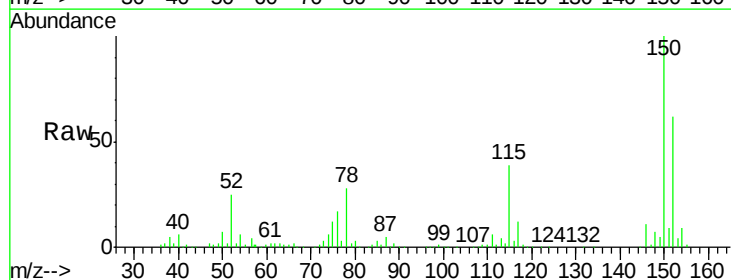
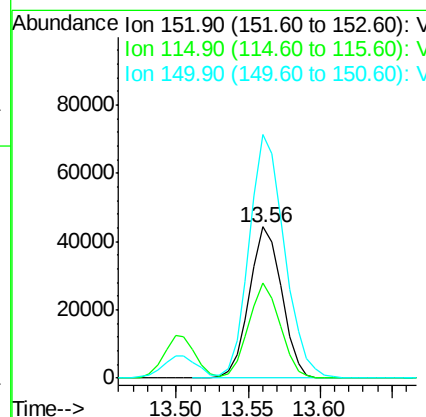
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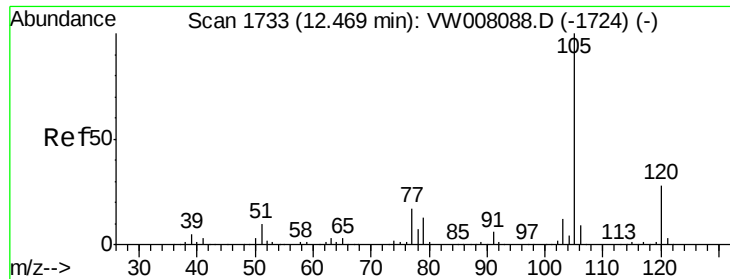
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.8	92.4
150	175.1	0.0	350.2





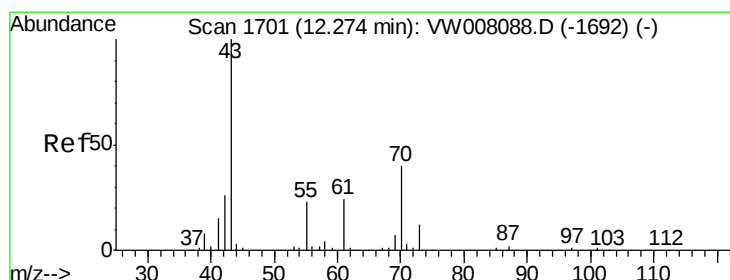
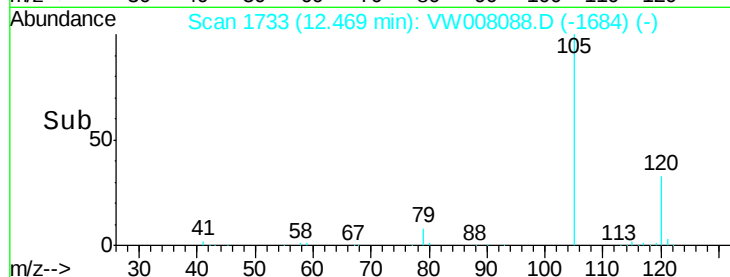
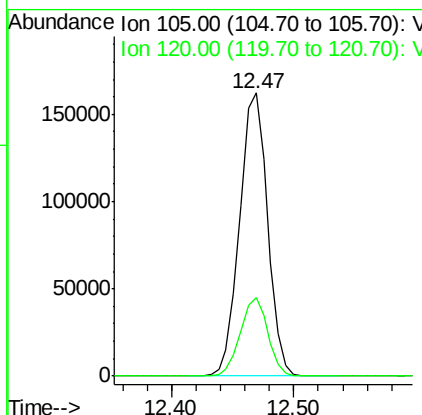
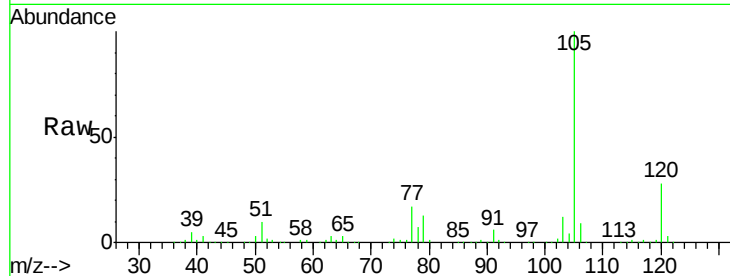
#73
Isopropylbenzene
Concen: 47.662 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 256651
Ion Ratio Lower Upper
105 100
120 27.2 13.6 40.8

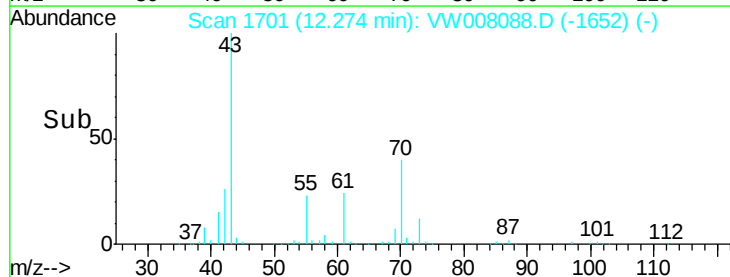
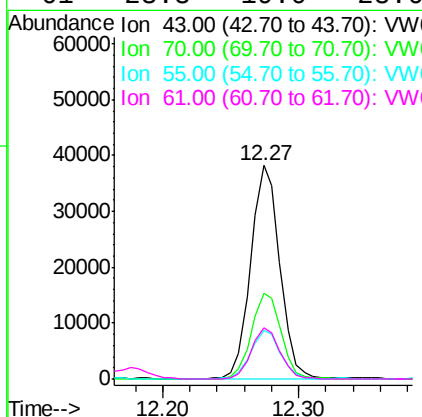
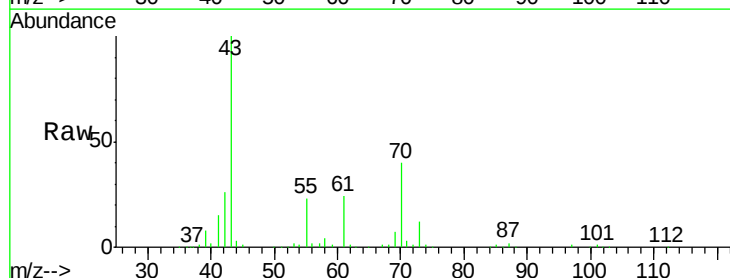
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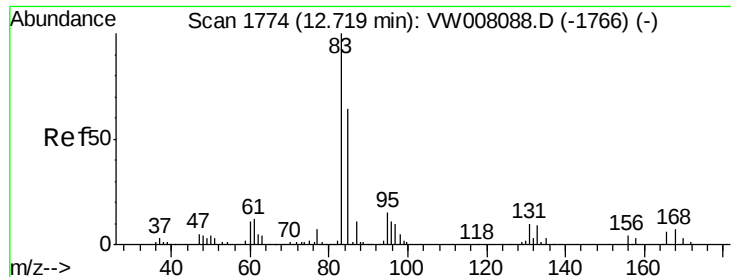
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#74
N-ethyl acetate
Concen: 64.202 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion: 43 Resp: 57513
Ion Ratio Lower Upper
43 100
70 40.5 32.4 48.6
55 23.4 18.7 28.1
61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.493 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

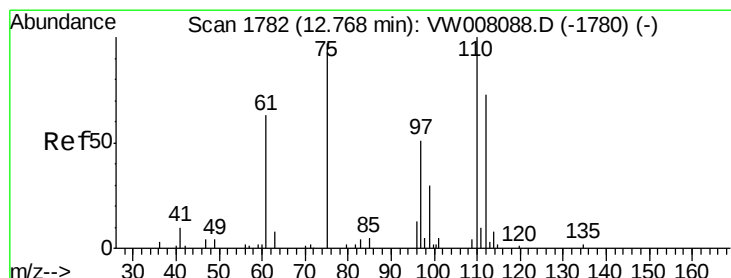
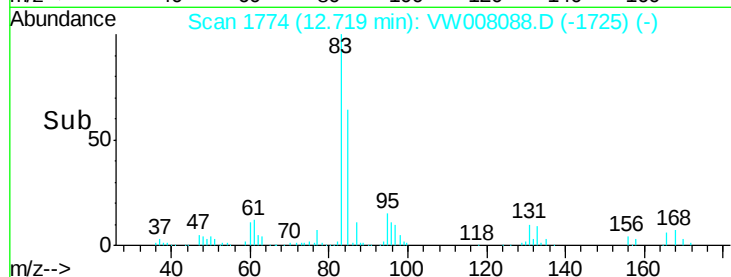
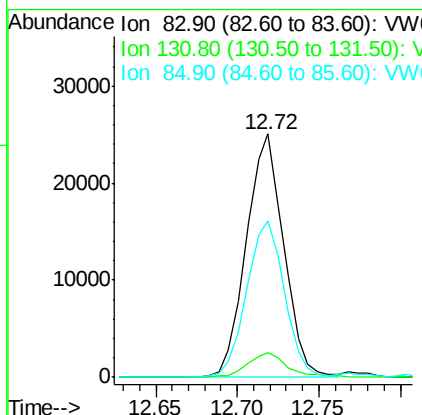
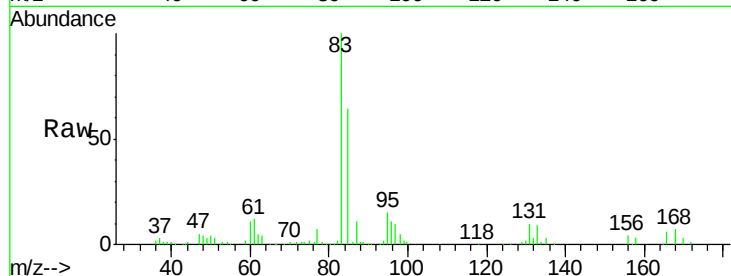
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	40130
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.006 ug/l m

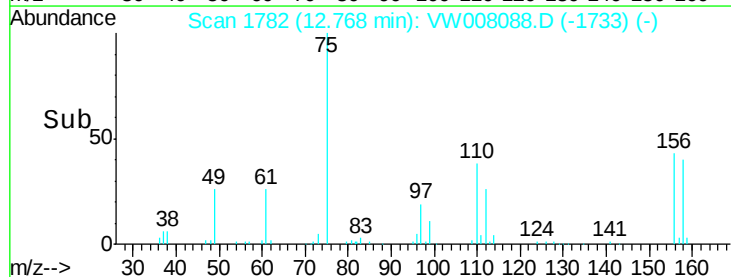
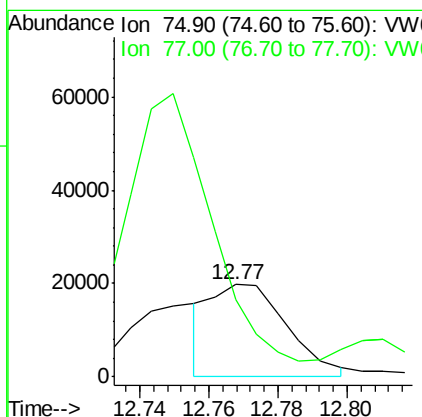
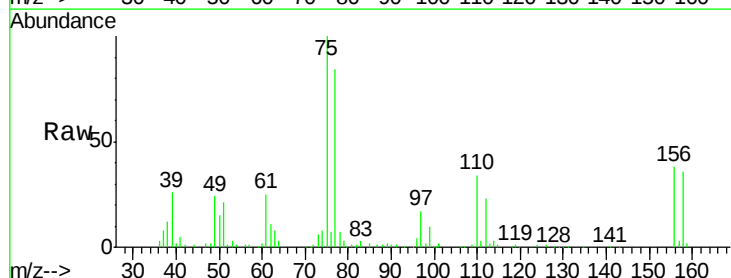
RT: 12.77 min Scan# 1782

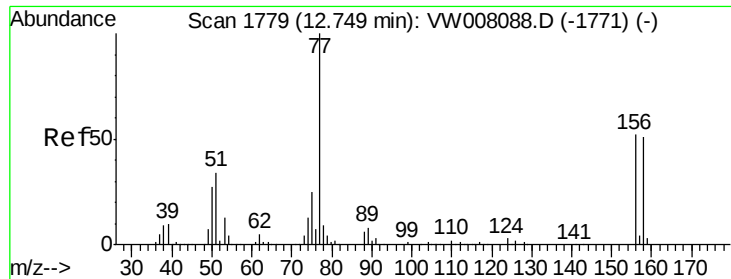
Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion:	75	Resp:	30403
Ion	Ratio	Lower	Upper
75	100		
77	358.8	179.4	538.2





#77

Bromobenzene

Concen: 45.643 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 52368

Ion Ratio Lower Upper

156 100

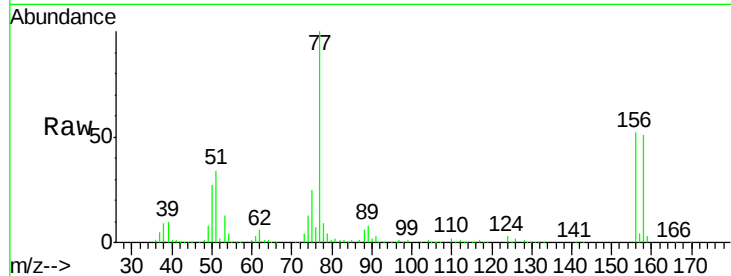
77 208.3 104.2 312.5

158 95.7 47.9 143.6

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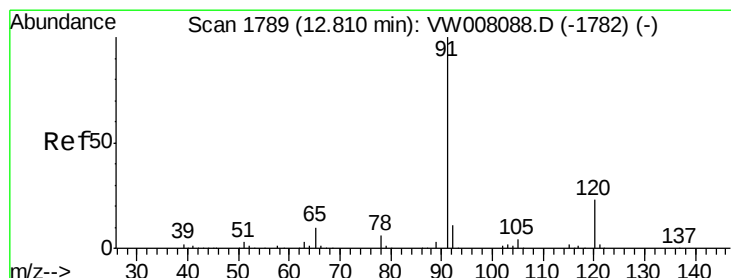
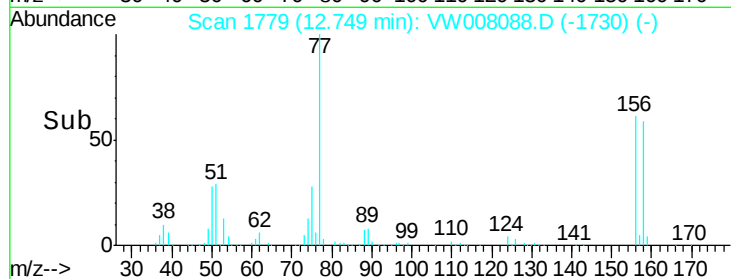
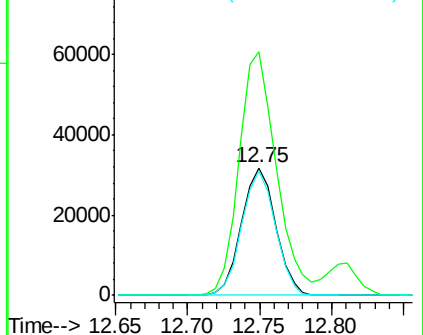
1/9/2019 11:07:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.286 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008088.D

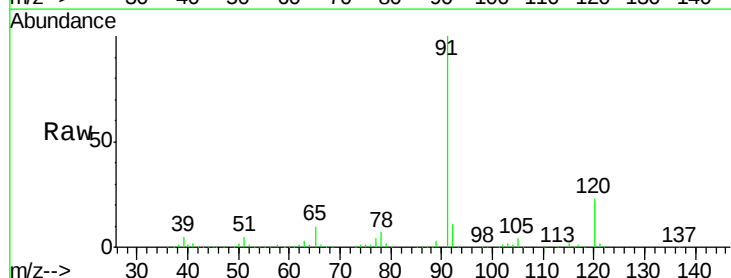
Acq: 08 Jan 2019 16:28

Tgt Ion: 91 Resp: 317473

Ion Ratio Lower Upper

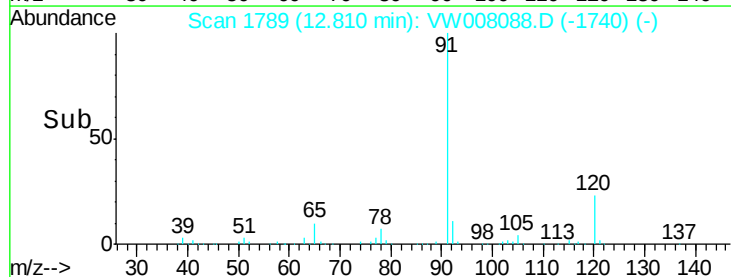
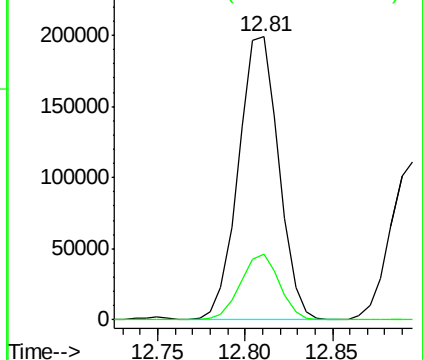
91 100

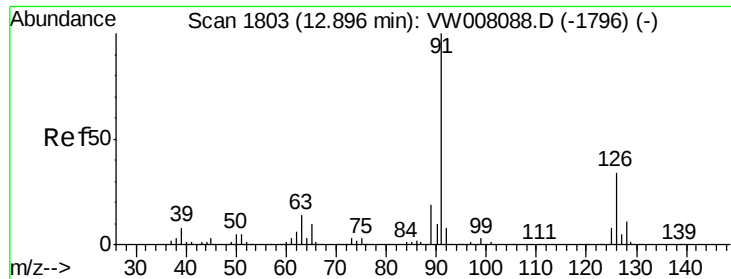
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.585 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 176053

Ion Ratio Lower Upper

91 100

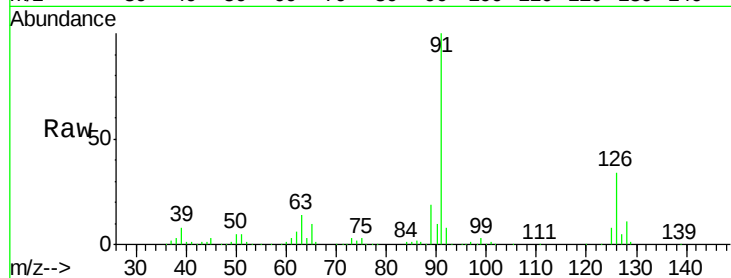
126 33.5 16.8 50.3

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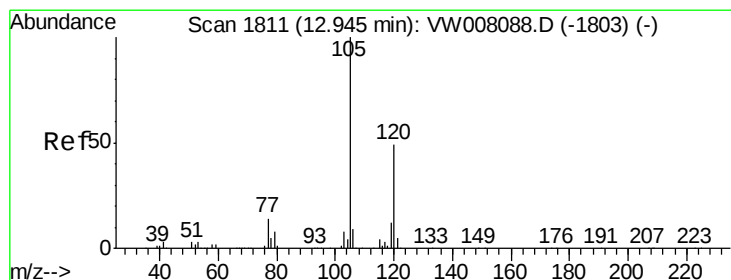
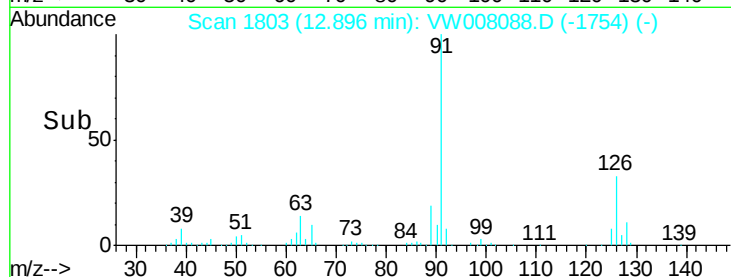
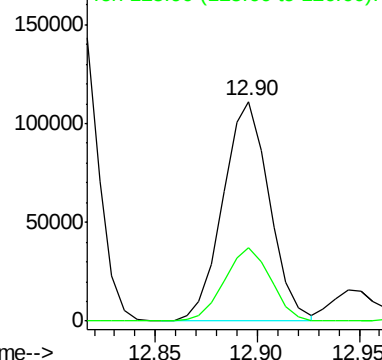
MMDadoda

1/9/2019 11:07:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.731 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008088.D

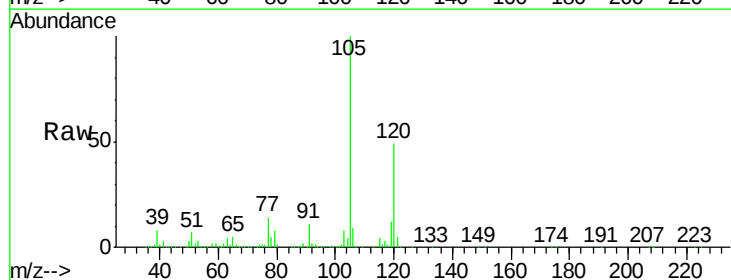
Acq: 08 Jan 2019 16:28

Tgt Ion:105 Resp: 215060

Ion Ratio Lower Upper

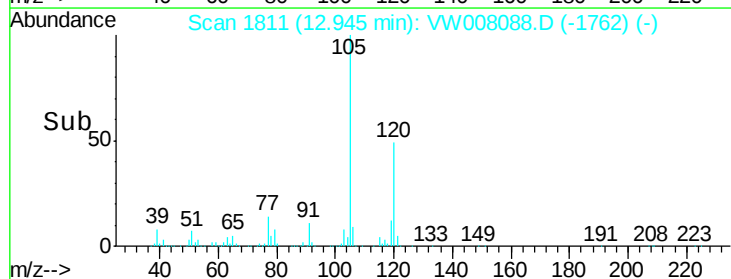
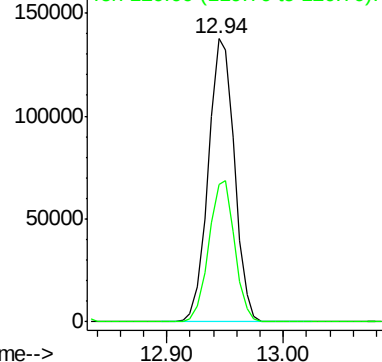
105 100

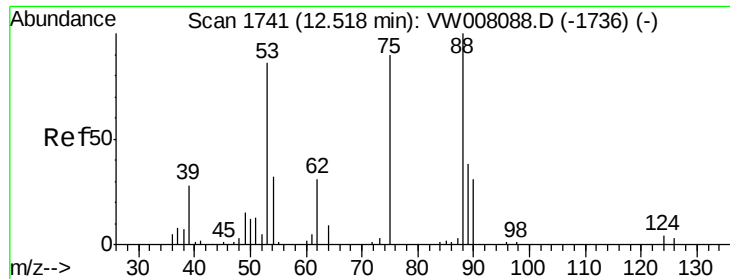
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





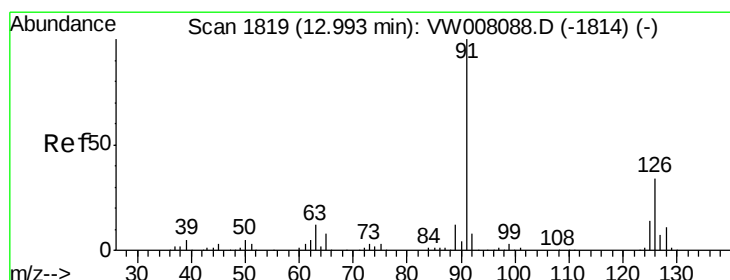
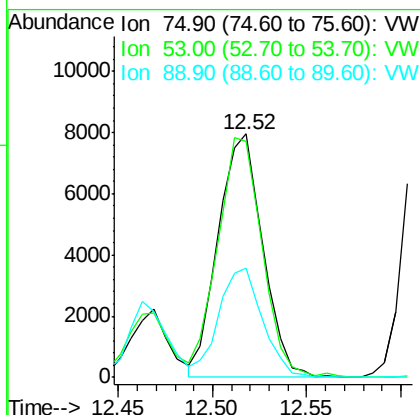
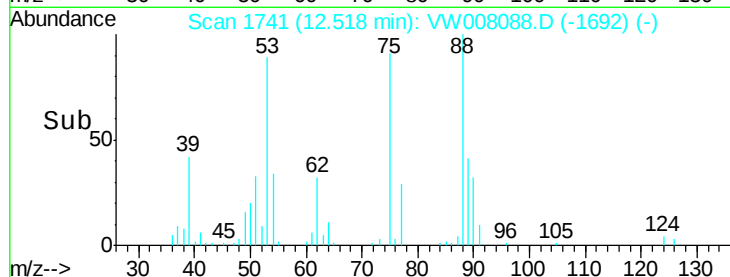
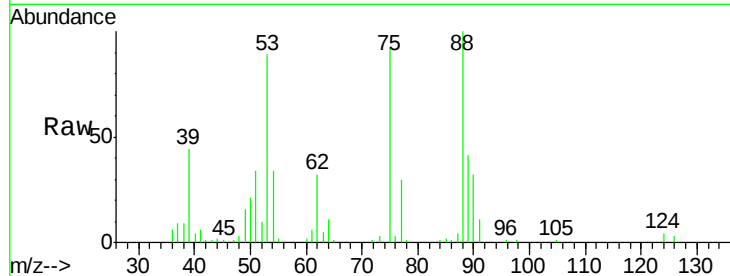
#81
trans-1,4-Dichloro-2-butene
Concen: 55.541 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	78.8	118.2
89	44.3	35.4	53.2

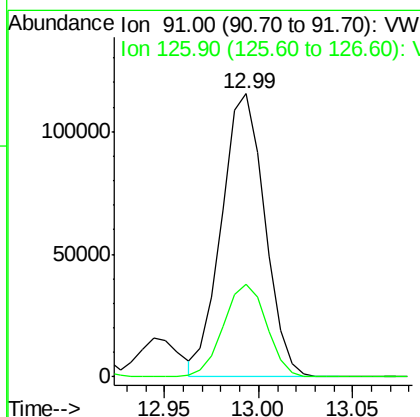
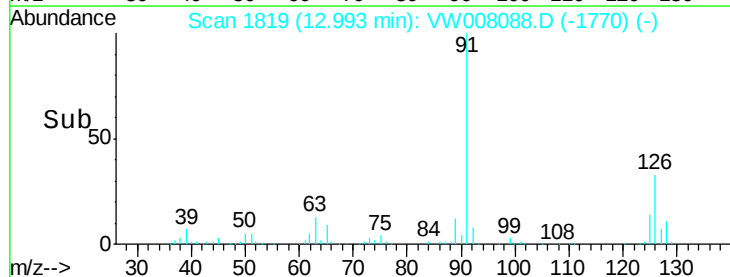
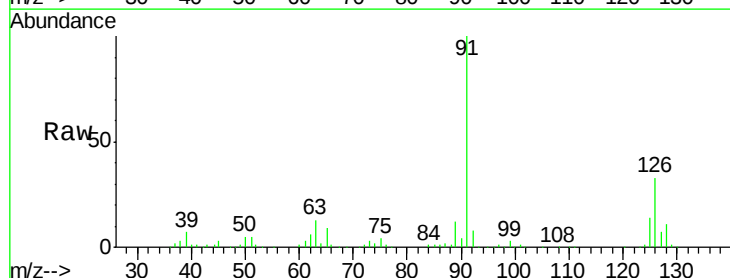
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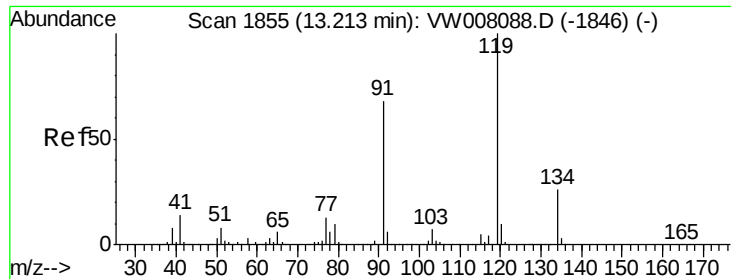
MMDadoda
1/9/2019 11:07:50 AM



#82
4-Chlorotoluene
Concen: 47.737 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





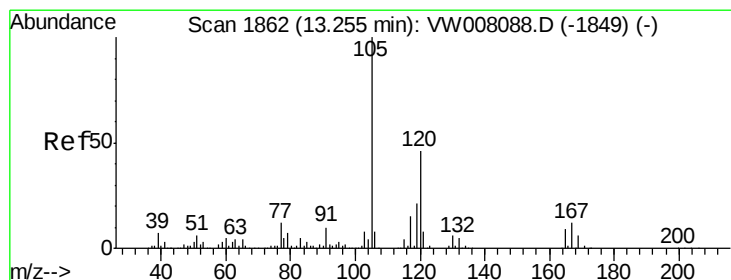
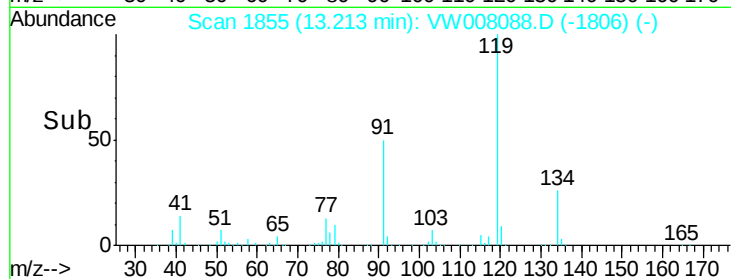
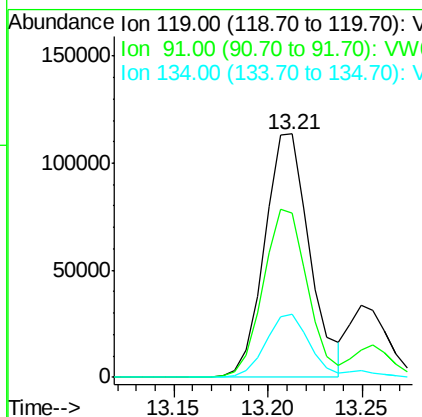
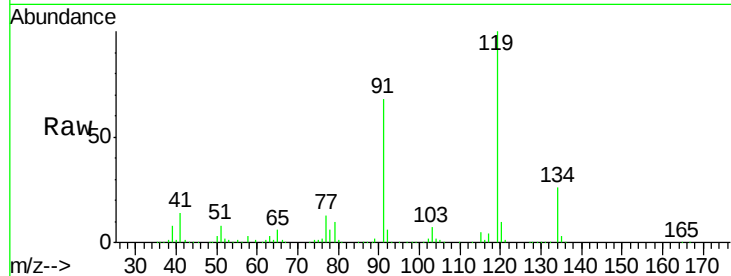
#83
tert-Butylbenzene
Concen: 46.723 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.9	101.6
134	27.2	13.6	40.8

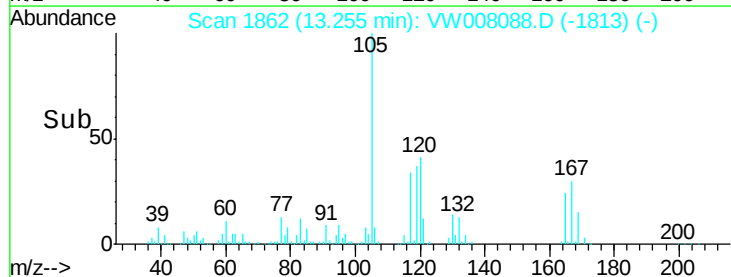
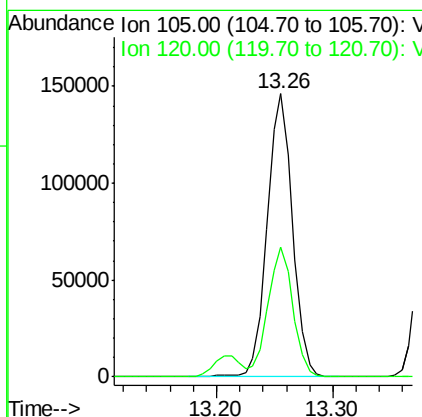
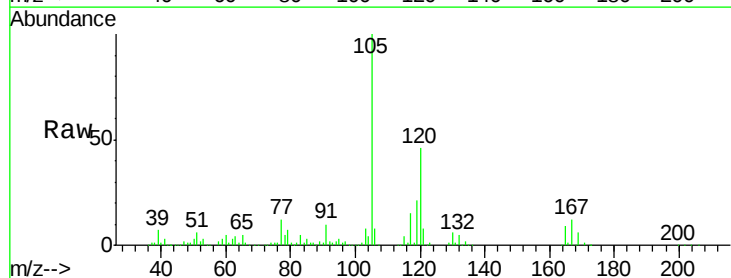
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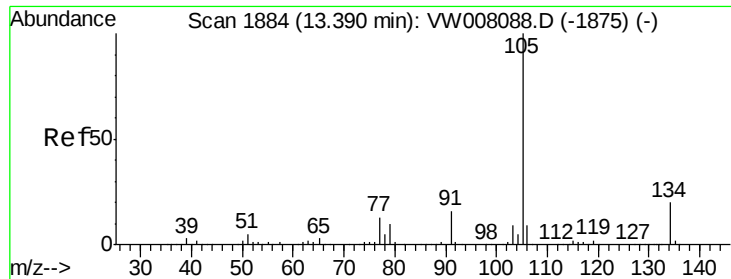
MMDadoda
1/9/2019 11:07:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 47.139 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





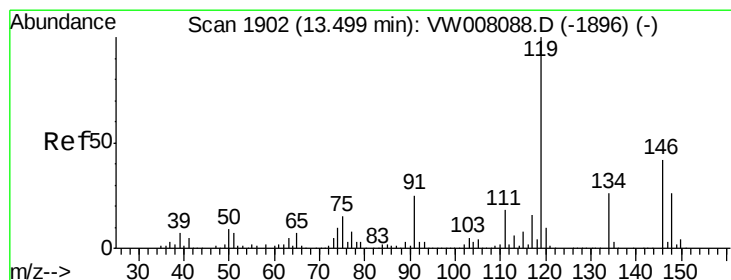
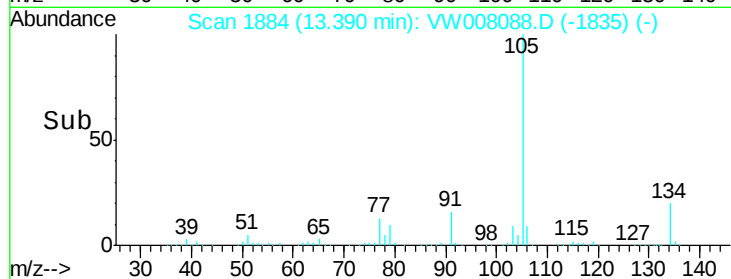
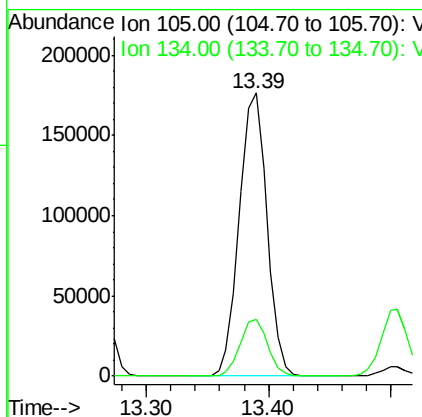
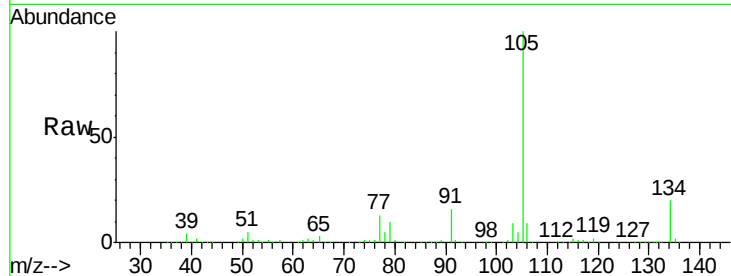
#85
 sec-Butylbenzene
 Concen: 49.354 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

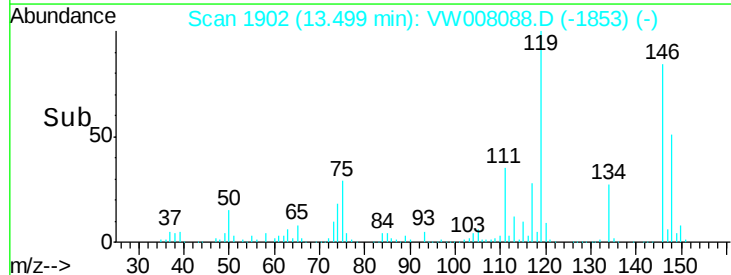
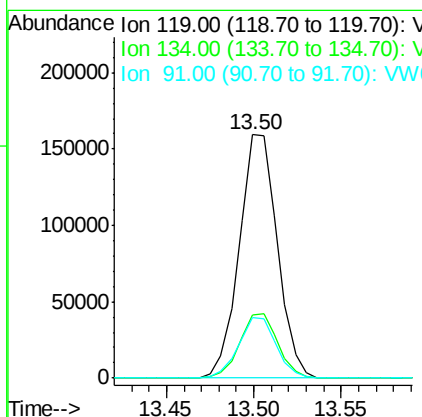
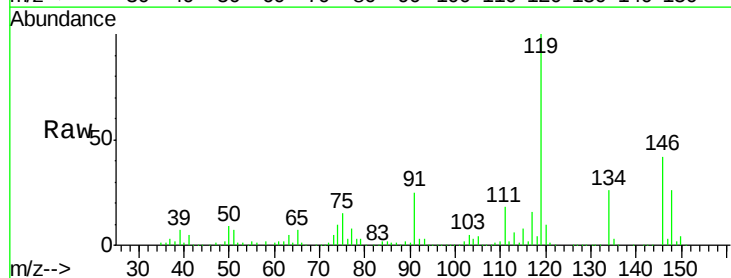
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 47.886 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	24.6	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 47.436 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

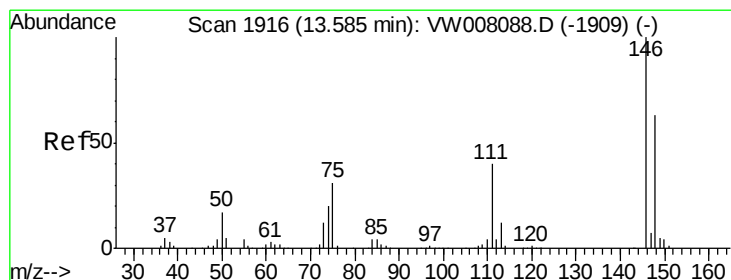
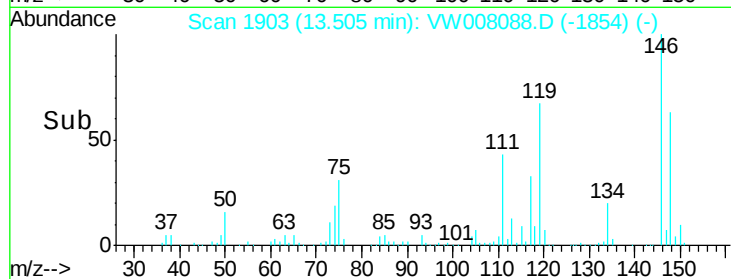
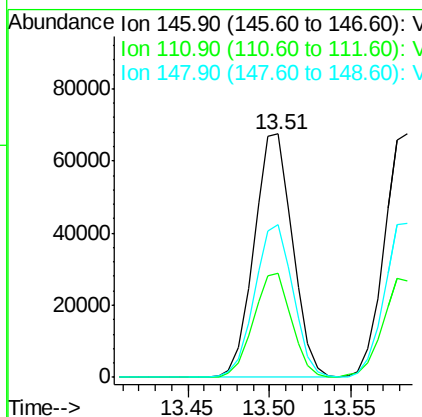
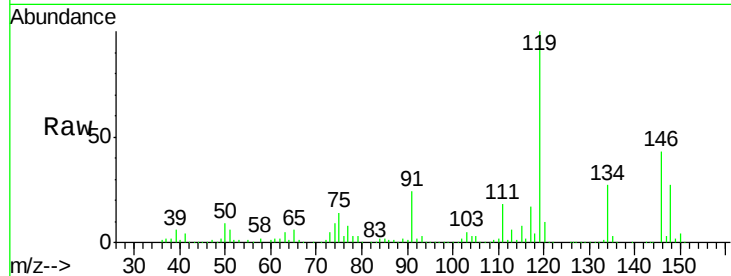
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	62.6	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 47.313 ug/l

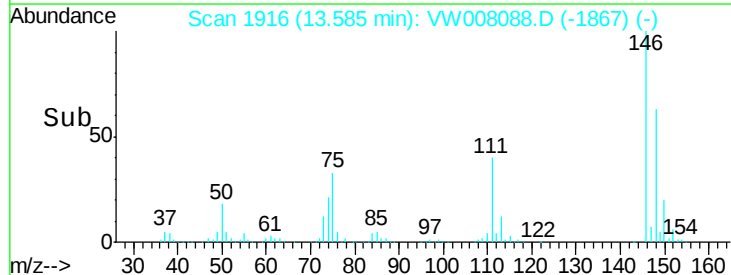
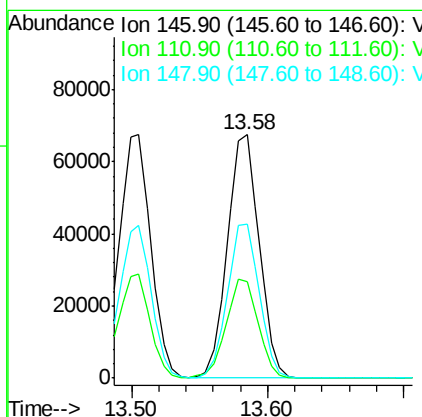
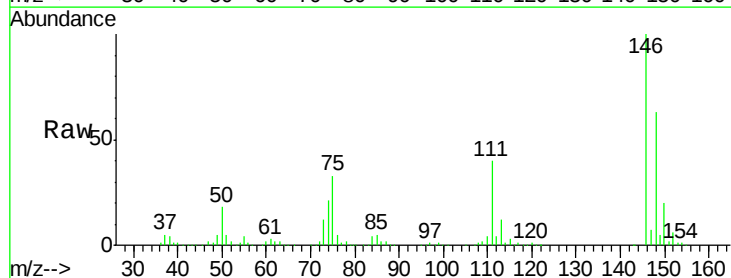
RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008088.D

Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.2	31.6	94.8





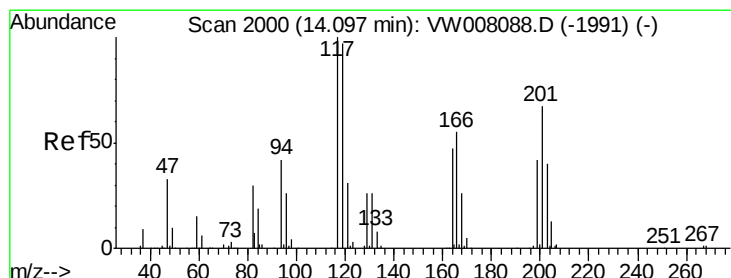
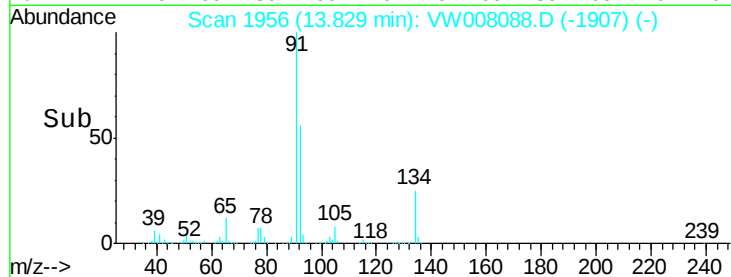
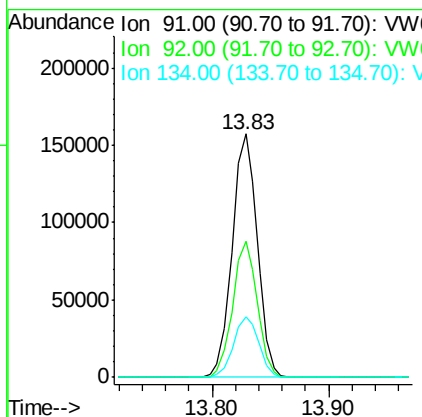
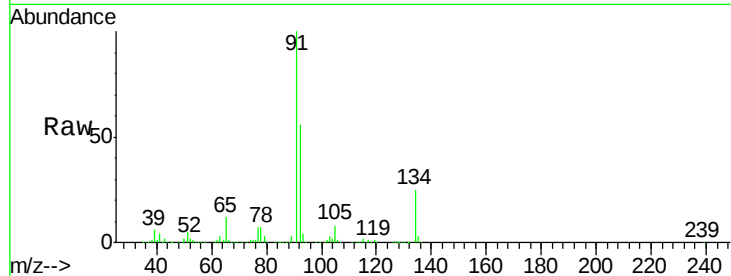
#89
n-Butylbenzene
Concen: 50.676 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.4	82.2
134	25.2	12.6	37.8

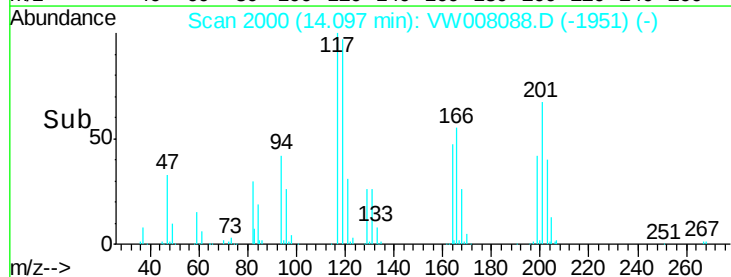
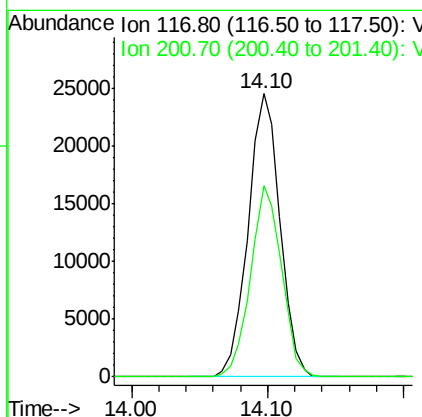
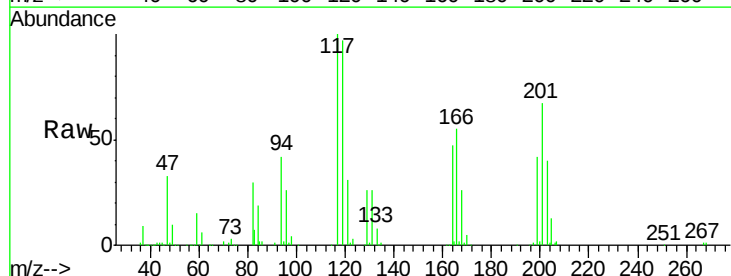
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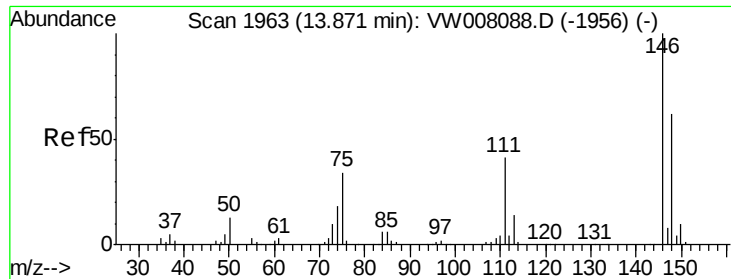
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#90
Hexachloroethane
Concen: 46.316 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.0	98.9





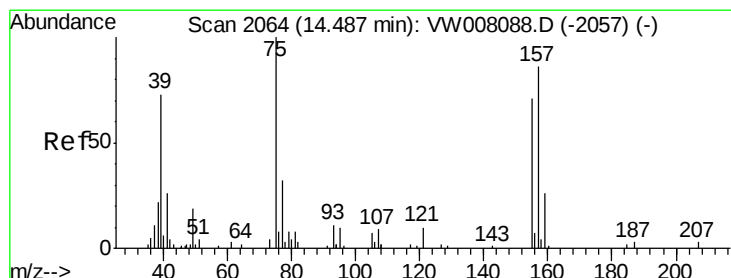
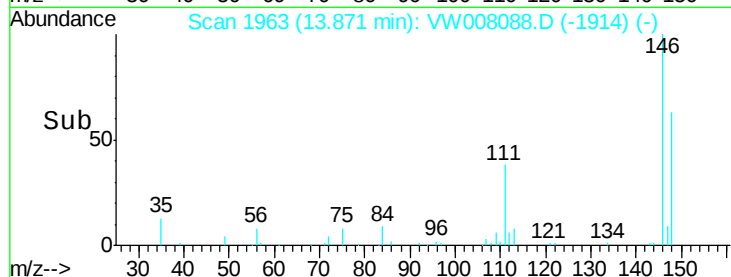
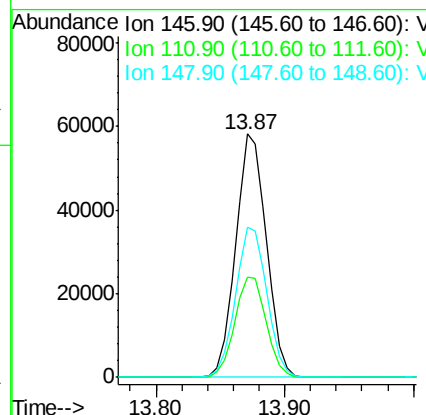
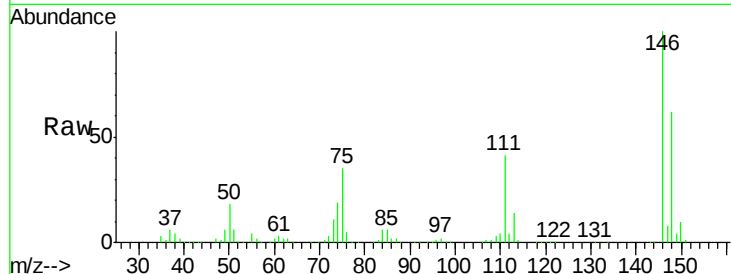
#91
 1,2-Dichlorobenzene
 Concen: 46.761 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.0	31.5	94.5

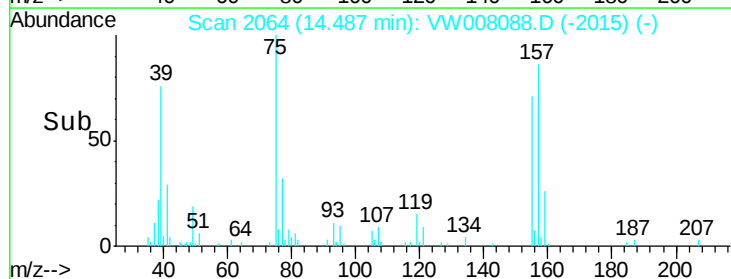
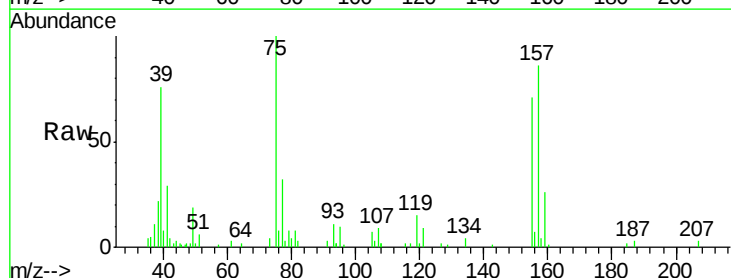
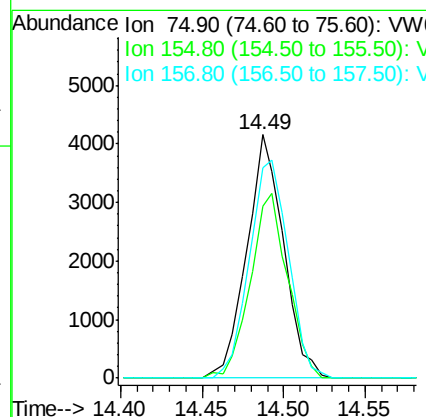
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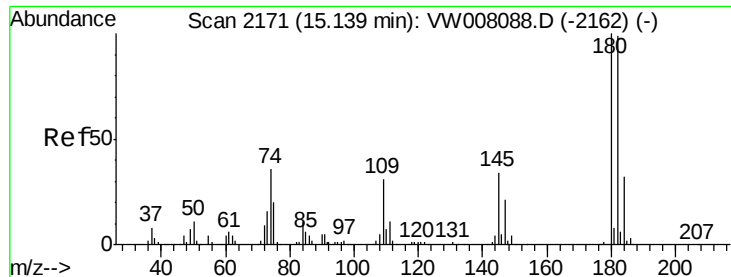
MMDadoda
 1/9/2019 11:07:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.779 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008088.D
 Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.6	115.7
157	95.1	47.5	142.6





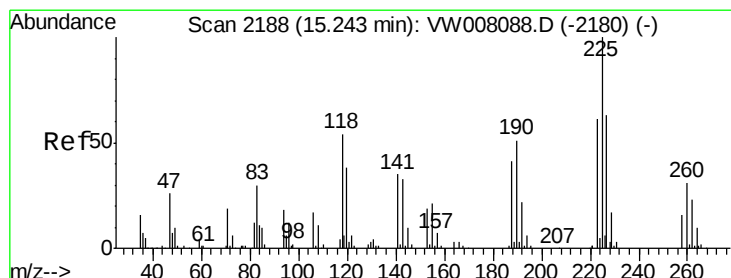
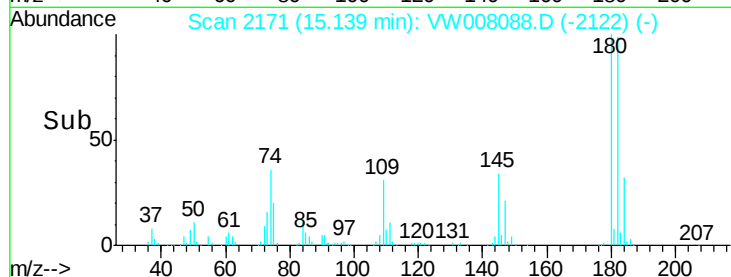
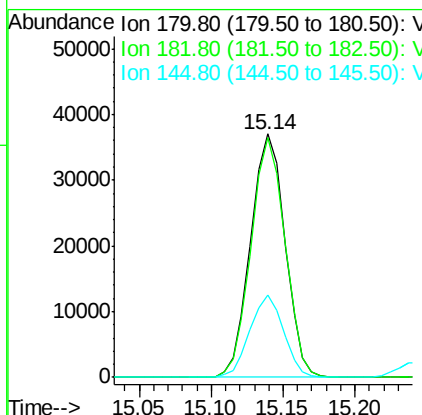
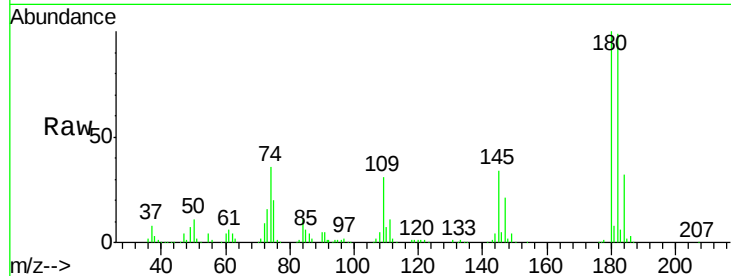
#93
1,2,4-Trichlorobenzene
Concen: 43.170 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.6	145.9
145	33.1	16.6	49.7

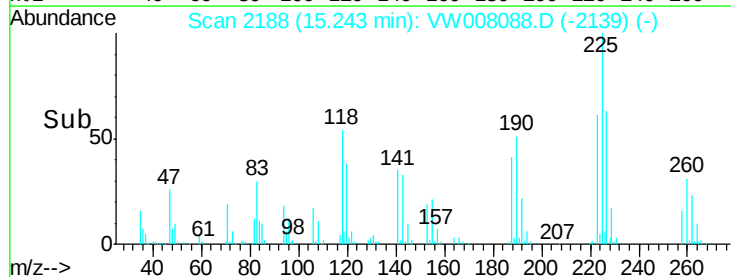
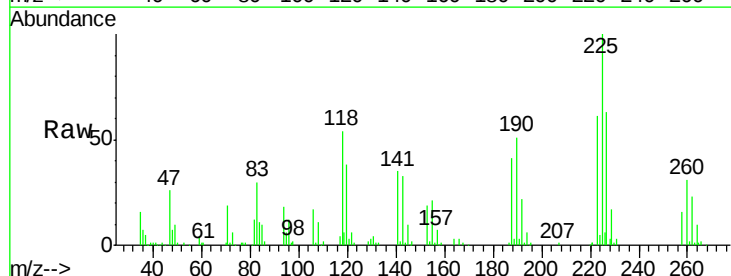
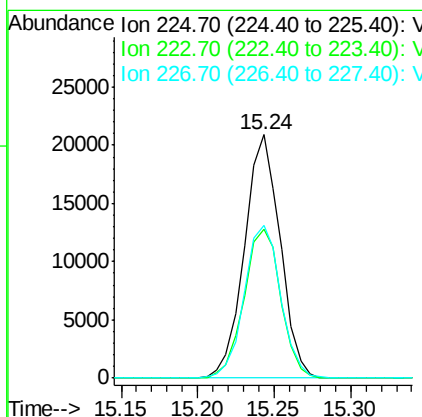
Manual Integrations
APPROVED

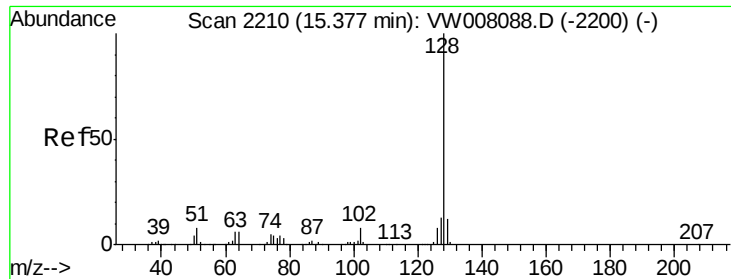
MMDadoda
1/9/2019 11:07:50 AM



#94
Hexachlorobutadiene
Concen: 41.712 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.3
227	64.1	32.0	96.2





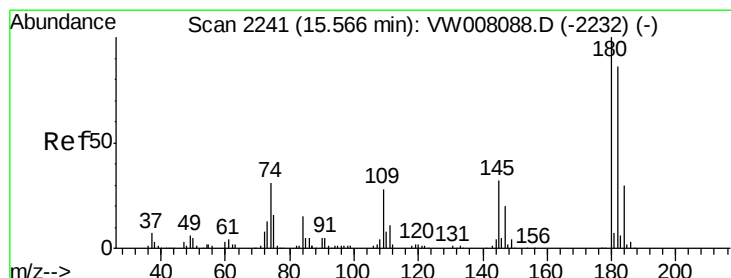
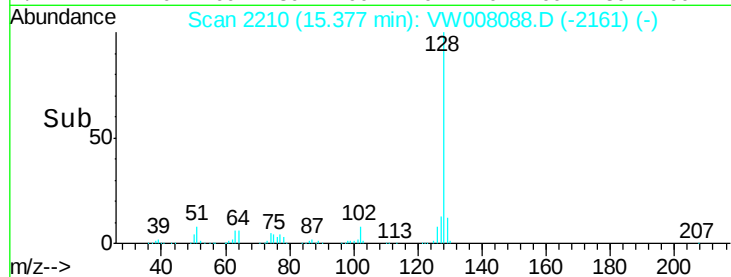
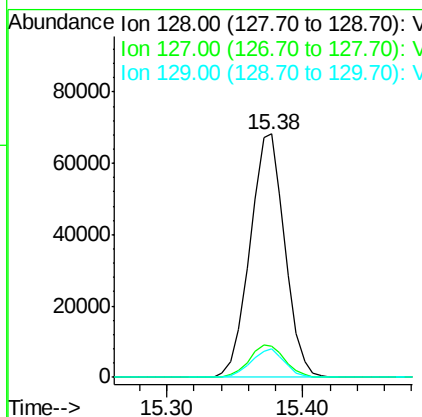
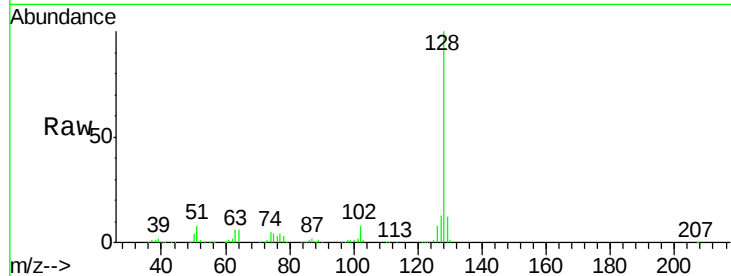
#95
Naphthalene
Concen: 49.591 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	121861		
127	13.7		11.0	16.4
129	11.3		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:07:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.244 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008088.D
Acq: 08 Jan 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54546		
182	92.9		46.5	139.3
145	34.8		17.4	52.2

