

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008009.D
 Acq On : 02 Jan 2019 15:02
 Operator : SY/AP
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:37 AM

Quant Time: Jan 03 05:01:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	65424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	103231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	94811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	45164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	108867	150.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.90%	
35) Dibromofluoromethane	7.88	113	97184	149.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.68%	
50) Toluene-d8	10.32	98	363701	148.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.96%	
62) 4-Bromofluorobenzene	12.62	95	139889	149.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	101683	166.934	ug/l	96
3) Chloromethane	2.22	50	71390	160.283	ug/l	100
4) Vinyl Chloride	2.37	62	86568	150.489	ug/l	96
5) Bromomethane	2.78	94	55742	152.522	ug/l	90
6) Chloroethane	2.93	64	46326	157.564	ug/l	95
7) Trichlorofluoromethane	3.26	101	98102	169.891	ug/l	100
8) Diethyl Ether	3.68	74	44388	149.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	104357	152.075	ug/l	98
10) Methyl Iodide	4.26	142	168513	152.639	ug/l	100
11) Tert butyl alcohol	5.18	59	33954	722.235	ug/l	100
12) 1,1-Dichloroethene	4.03	96	100543	153.069	ug/l	95
13) Acrolein	3.89	56	24885	781.241	ug/l	99
14) Allyl chloride	4.67	41	135102	151.822	ug/l	98
15) Acrylonitrile	5.37	53	84076	770.736	ug/l	99
16) Acetone	4.12	43	81635	728.788	ug/l	99
17) Carbon Disulfide	4.37	76	310022	154.513	ug/l	99
18) Methyl Acetate	4.67	43	46678	160.685	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	154420	149.385	ug/l	99
20) Methylene Chloride	4.91	84	101191	130.976	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	105169	147.160	ug/l	94
22) Diisopropyl ether	6.31	45	240402	150.511	ug/l	97
23) Vinyl Acetate	6.26	43	689478	771.526	ug/l	98
24) 1,1-Dichloroethane	6.21	63	176945	149.100	ug/l	99
25) 2-Butanone	7.17	43	98616	747.219	ug/l	99
26) 2,2-Dichloropropane	7.16	77	137460	140.588	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	114547	150.470	ug/l	96
28) Bromochloromethane	7.51	49	55465	145.410	ug/l	98
29) Tetrahydrofuran	7.53	42	63087	769.561	ug/l	98
30) Chloroform	7.68	83	197219	148.280	ug/l	98
31) Cyclohexane	7.96	56	154001	139.227	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	191614	150.559	ug/l	100
36) 1,1-Dichloropropene	8.08	75	150549	147.839	ug/l	99
37) Ethyl Acetate	7.25	43	46239	151.165	ug/l	98
38) Carbon Tetrachloride	8.07	117	185067	151.644	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	190376	149.980	ug/l	99
40) Benzene	8.32	78	393235	146.377	ug/l	100
41) Methacrylonitrile	7.48	41	28156	149.395	ug/l	92
42) 1,2-Dichloroethane	8.40	62	133685	149.354	ug/l	100
43) Isopropyl Acetate	8.43	43	96229	157.448	ug/l	99
44) Trichloroethene	9.09	130	116871	147.424	ug/l	96
45) 1,2-Dichloropropane	9.37	63	87186	149.936	ug/l	100
46) Dibromomethane	9.46	93	50434	148.347	ug/l	97
47) Bromodichloromethane	9.65	83	144115	151.345	ug/l	96
48) Methyl methacrylate	9.44	41	48236	156.527	ug/l	99
49) 1,4-Dioxane	9.45	88	16227	3225.323	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	213940	756.215	ug/l	100
52) Toluene	10.39	92	258197	145.584	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	136550	149.130	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	156632	153.298	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66237	143.898	ug/l	99
56) Ethyl methacrylate	10.65	69	80129	153.982	ug/l	98
57) 1,3-Dichloropropane	10.93	76	116005	148.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	178205	722.079	ug/l	99
59) 2-Hexanone	10.97	43	149121	763.517	ug/l	99
60) Dibromochloromethane	11.13	129	96757	153.563	ug/l	99
61) 1,2-Dibromoethane	11.24	107	70521	153.093	ug/l	98
64) Tetrachloroethene	10.87	164	93787	143.204	ug/l	93
65) Chlorobenzene	11.66	112	300047	148.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	107800	146.907	ug/l	99
67) Ethyl Benzene	11.73	91	535328	148.841	ug/l	99
68) m/p-Xylenes	11.84	106	406540	292.372	ug/l	98
69) o-Xylene	12.17	106	191434	147.957	ug/l	99
70) Styrene	12.18	104	314483	149.126	ug/l	99
71) Bromoform	12.35	173	53223	156.553	ug/l #	98
73) Isopropylbenzene	12.47	105	549359	152.968	ug/l	99
74) N-amyl acetate	12.27	43	89718	160.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	69623	152.363	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	46695m	74.224	ug/l	
77) Bromobenzene	12.75	156	118382	153.361	ug/l	98
78) n-propylbenzene	12.81	91	628486	150.939	ug/l	99
79) 2-Chlorotoluene	12.90	91	365585	151.914	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	466855	151.021	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	25023	164.696	ug/l	99
82) 4-Chlorotoluene	12.99	91	386497	151.039	ug/l	99
83) tert-Butylbenzene	13.21	119	404414	149.528	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	461075	147.253	ug/l	100
85) sec-Butylbenzene	13.39	105	551545	148.243	ug/l	99
86) p-Isopropyltoluene	13.51	119	496954	148.082	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	225715	144.921	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	225058	145.955	ug/l	99
89) n-Butylbenzene	13.83	91	456333	148.662	ug/l	100
90) Hexachloroethane	14.10	117	87335	149.979	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	200071	146.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14933	161.013	ug/l	94

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Manual Integrations
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QLast Update : Thu Jan 03 04:40:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	142845	148.601	ug/l	98
94) Hexachlorobutadiene	15.24	225	82586	148.795	ug/l	98
95) Naphthalene	15.38	128	262638	160.424	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	122425	154.781	ug/l	99

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

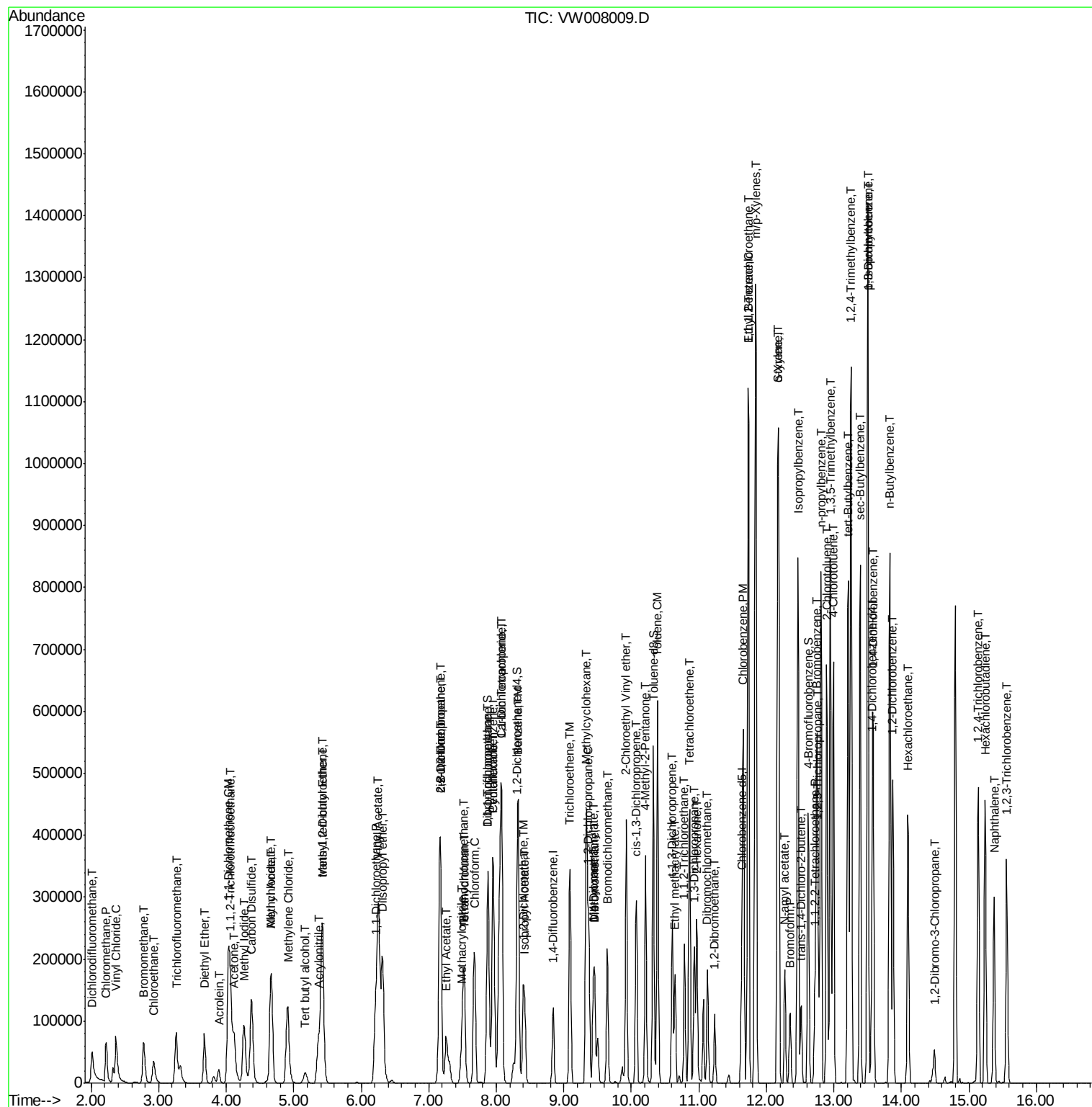
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
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 Operator : SY/AP
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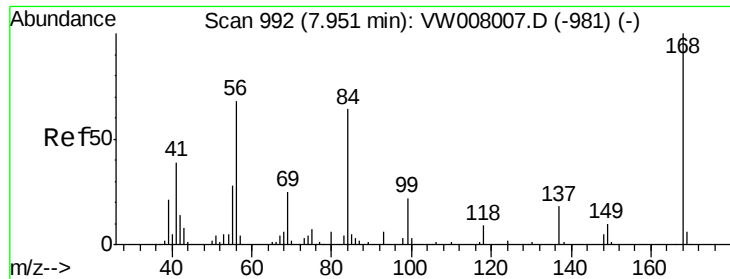
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 65424

Ion Ratio Lower Upper

168 100

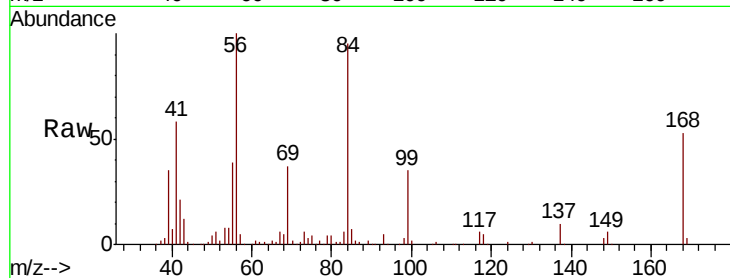
99 66.1 51.6 77.4

Manual Integrations

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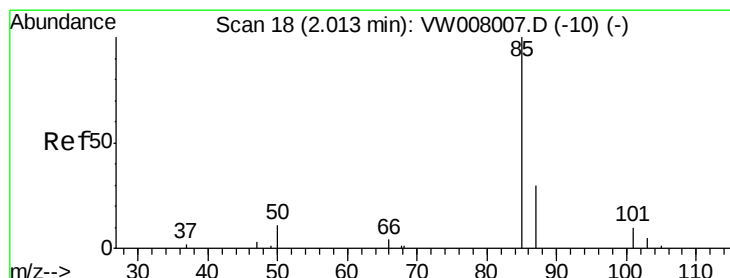
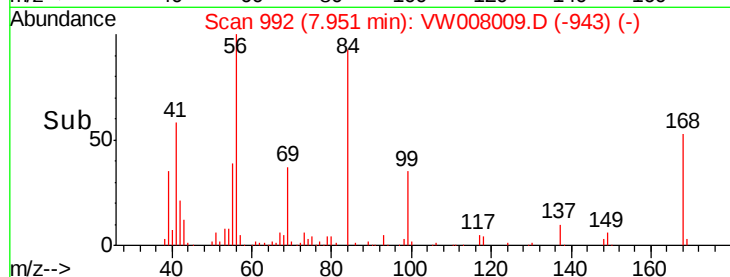
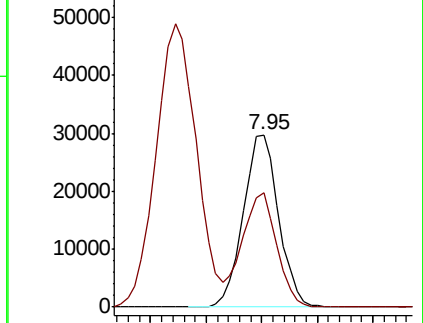
MMDadoda

1/3/2019 10:55:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 166.934 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008009.D

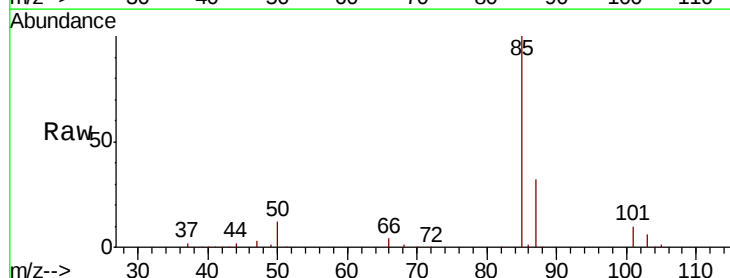
Acq: 02 Jan 2019 15:02

Tgt Ion: 85 Resp: 101683

Ion Ratio Lower Upper

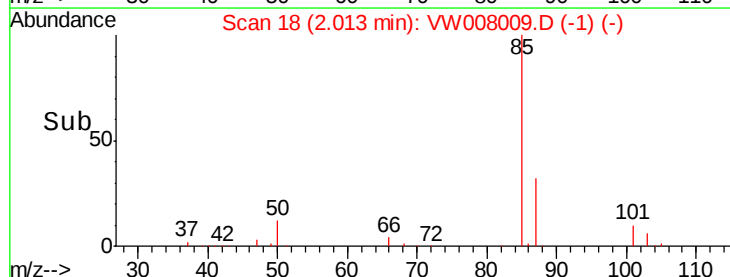
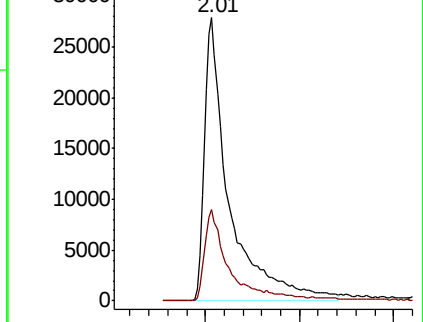
85 100

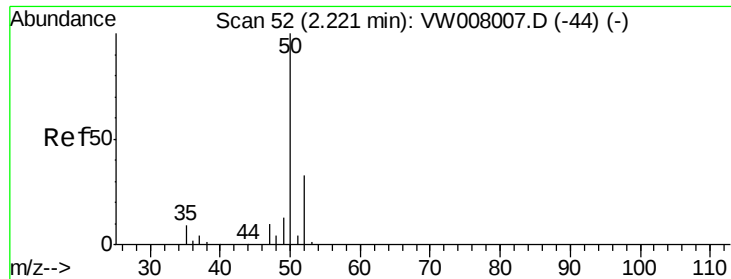
87 32.3 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 160.283 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 71390

Ion Ratio Lower Upper

50 100

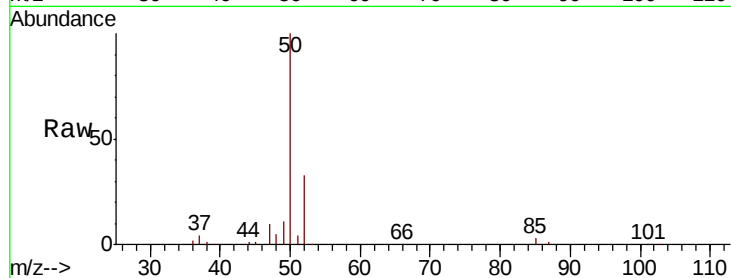
52 33.6 26.8 40.2

Manual Integrations

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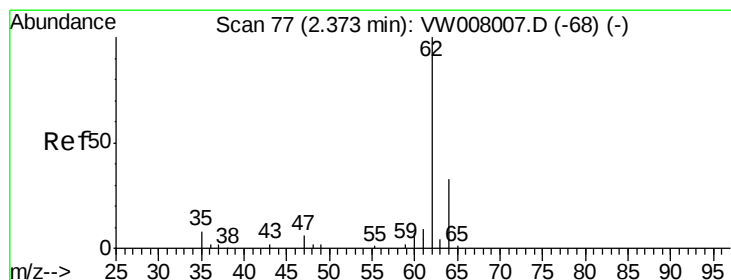
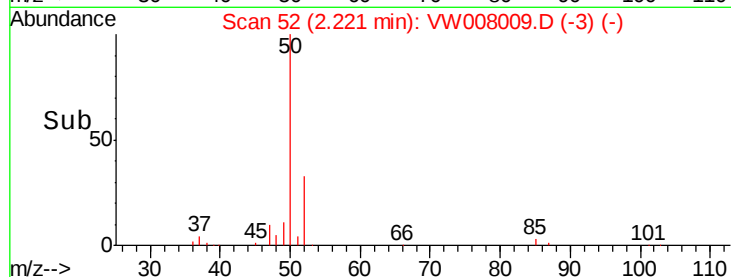
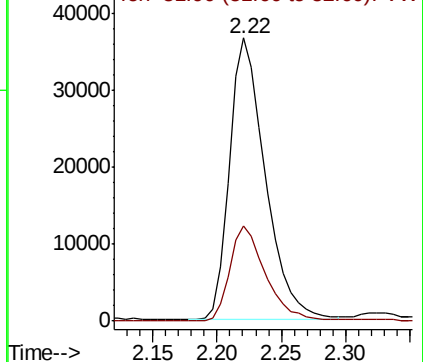
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 150.489 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008009.D

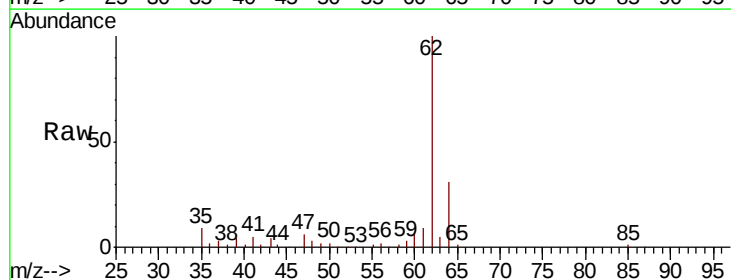
Acq: 02 Jan 2019 15:02

Tgt Ion: 62 Resp: 86568

Ion Ratio Lower Upper

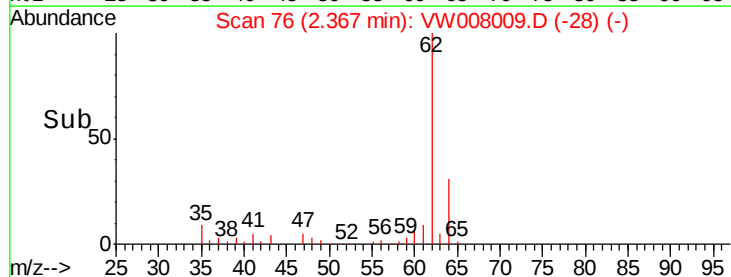
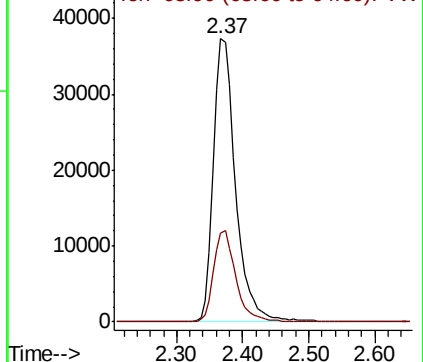
62 100

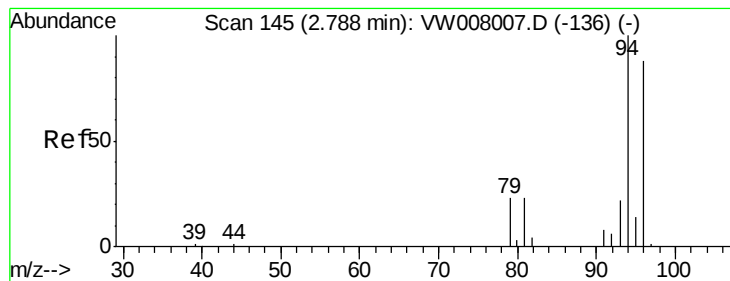
64 31.4 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 152.522 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tot Ion: 94 Resp: 55742

Ion Ratio Lower Upper

94 100

96 97.7 70.7 106.1

Instrument :

MSVOA_W

ClientSampled :

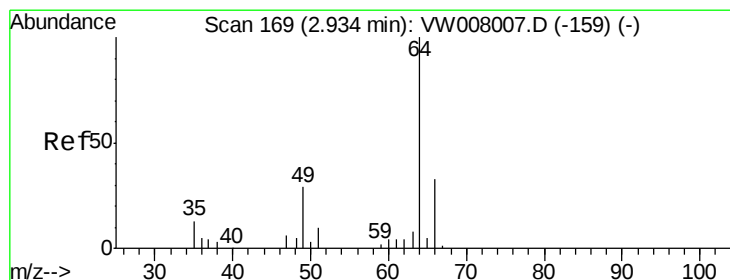
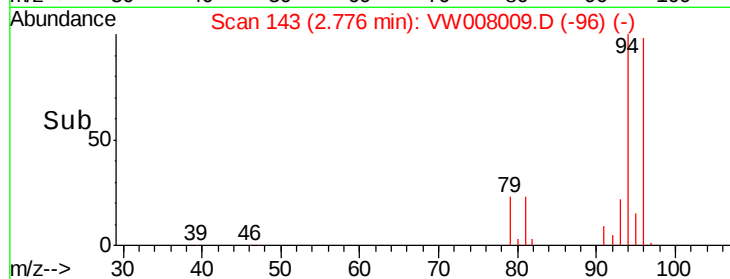
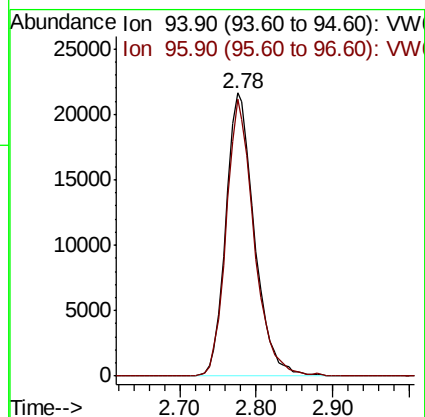
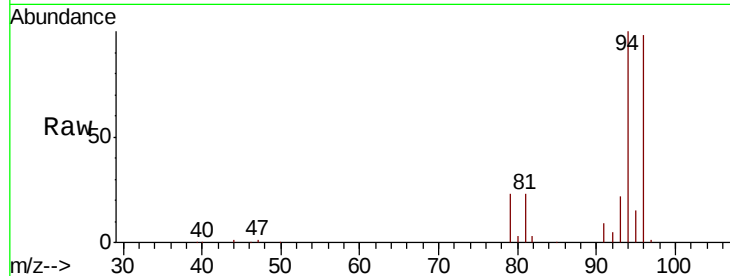
VSTDIC150

Manual Integrations

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#6

Chloroethane

Concen: 157.564 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008009.D

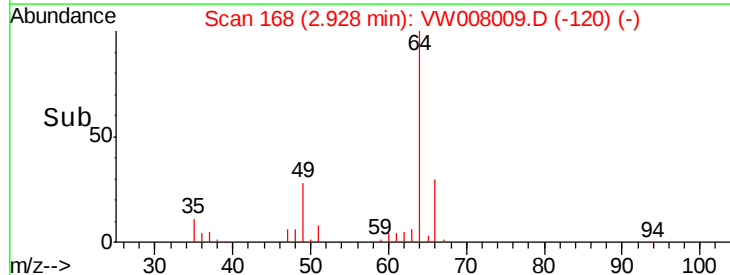
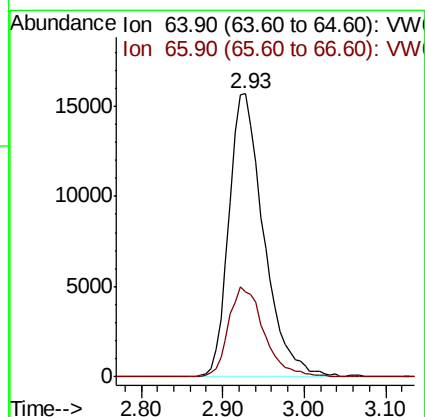
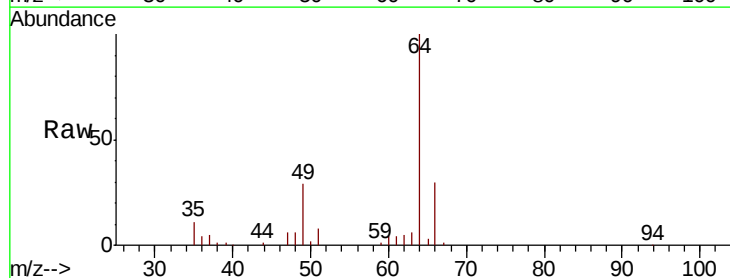
Acq: 02 Jan 2019 15:02

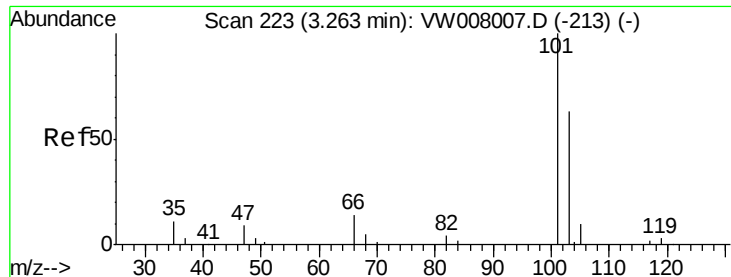
Tgt Ion: 64 Resp: 46326

Ion Ratio Lower Upper

64 100

66 30.2 26.6 39.8





#7

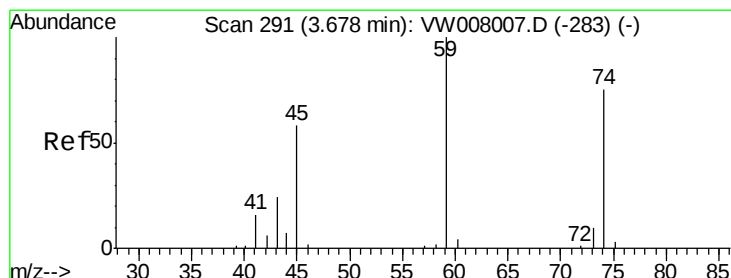
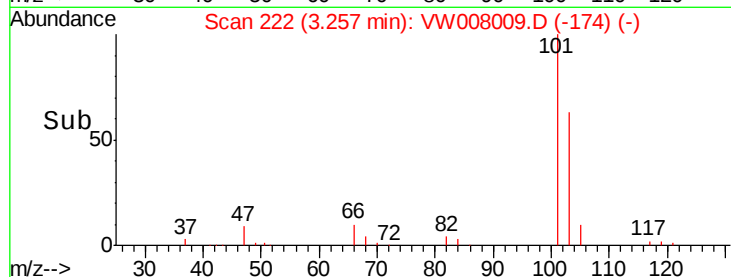
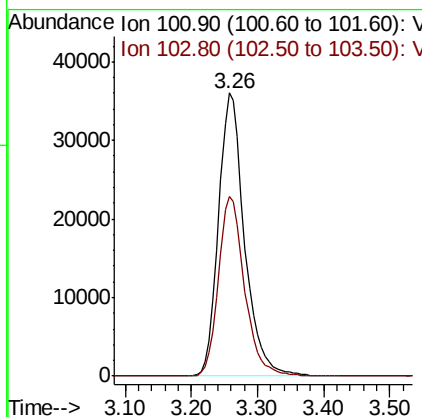
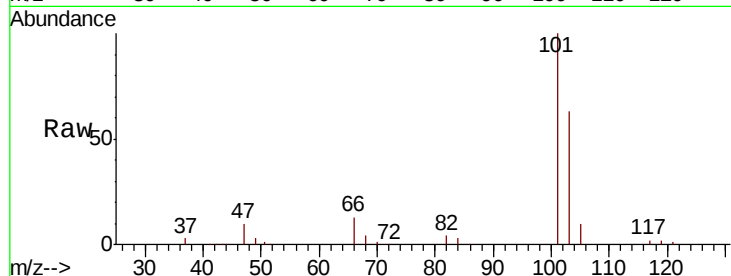
Trichlorofluoromethane
Concen: 169.891 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
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VSTDICC150

Tot Ion	101	Resp	98102
Ion Ratio	100	Lower	Upper
101	100		
103	63.4	50.5	75.7

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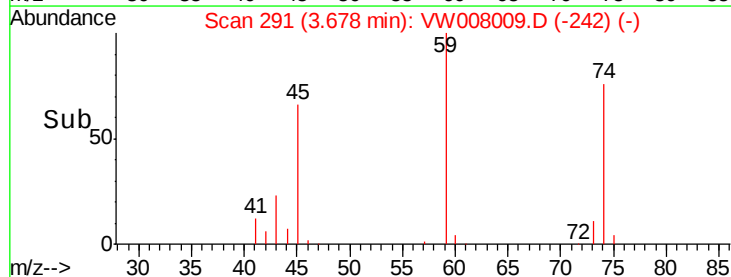
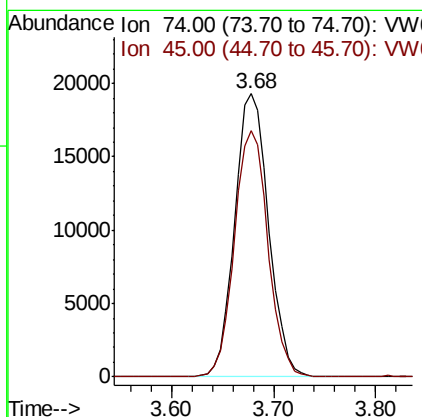
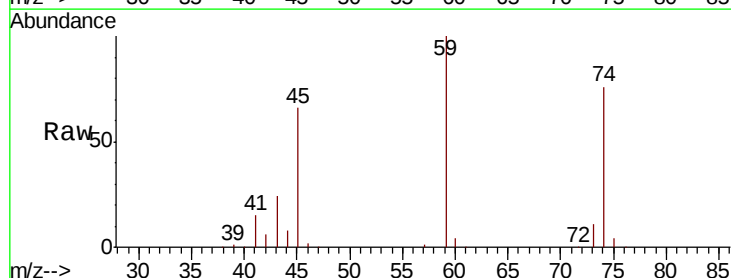
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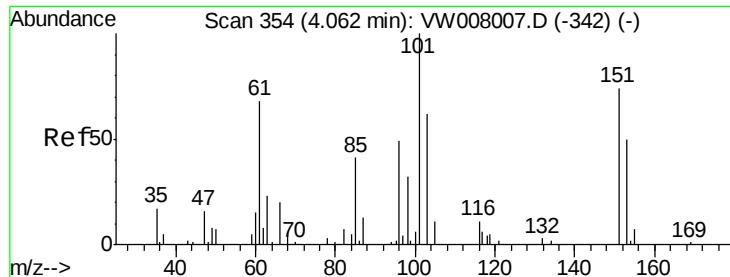


#8

Diethyl Ether
Concen: 149.662 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	74	Resp	44388
Ion Ratio	100	Lower	Upper
74	100		
45	85.9	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 152.075 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

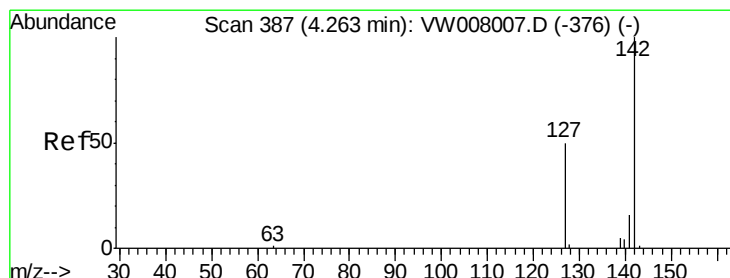
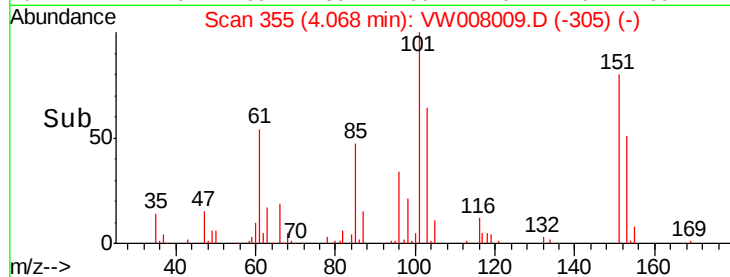
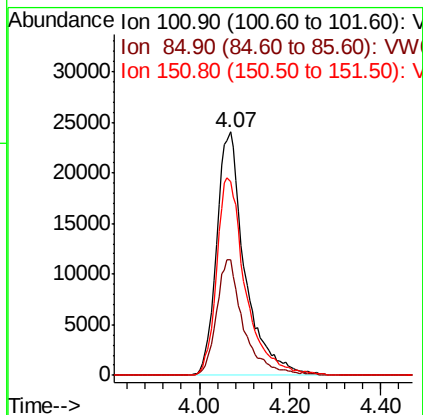
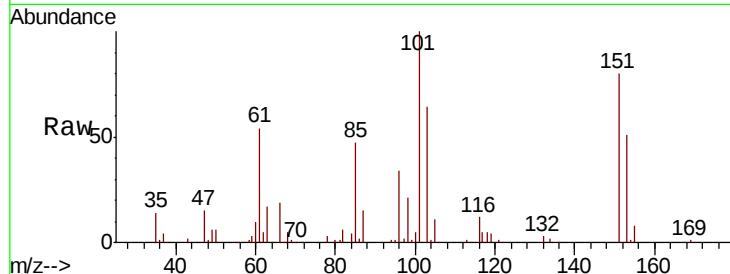
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	104357
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	82.9	65.3	97.9

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#10

Methyl Iodide

Concen: 152.639 ug/l

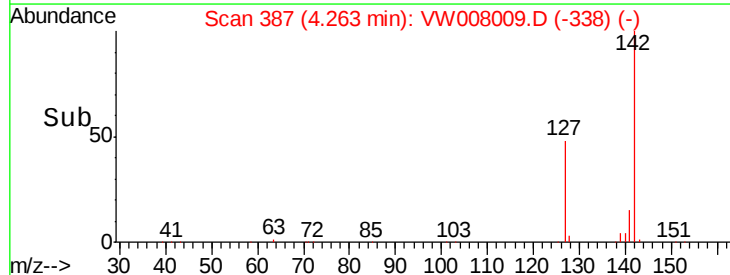
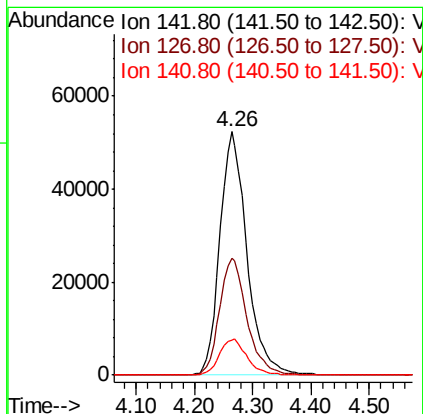
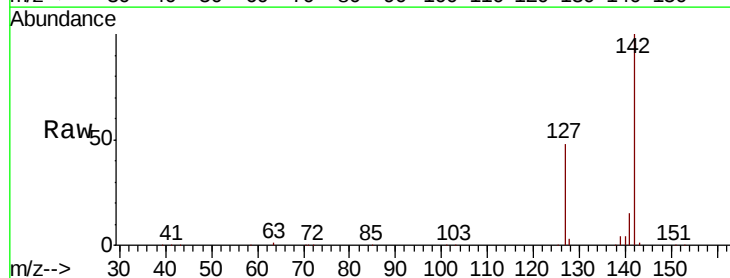
RT: 4.26 min Scan# 387

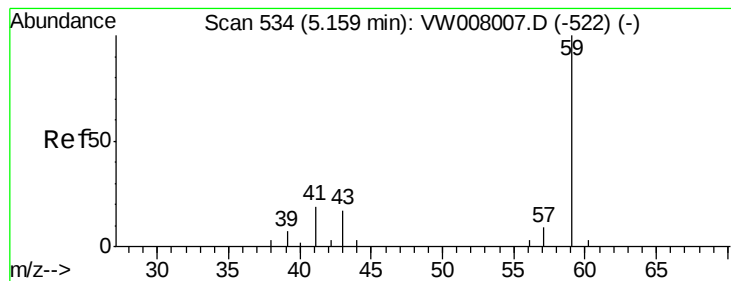
Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion:	142	Resp:	168513
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.4	59.0
141	15.1	12.1	18.1





#11

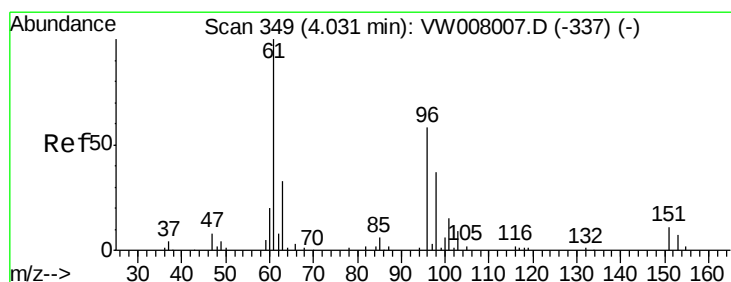
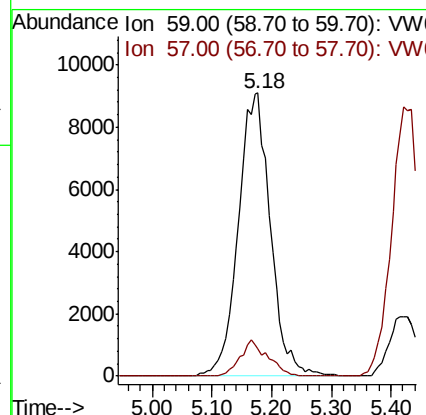
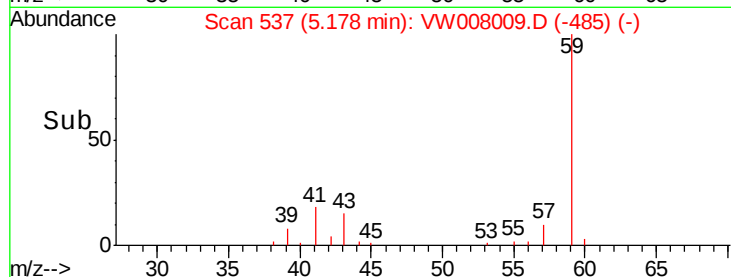
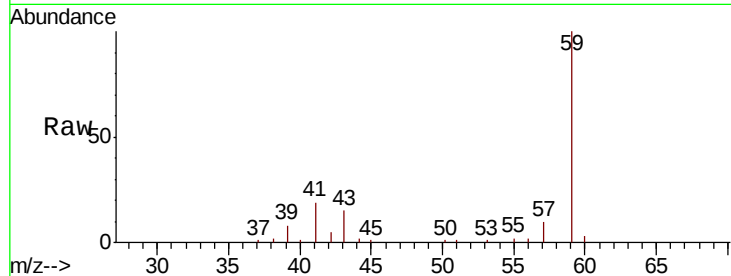
Tert butyl alcohol
Concen: 722.235 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

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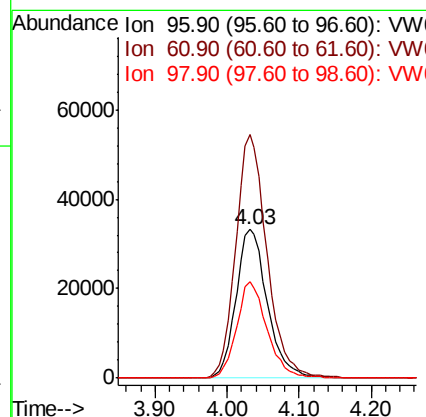
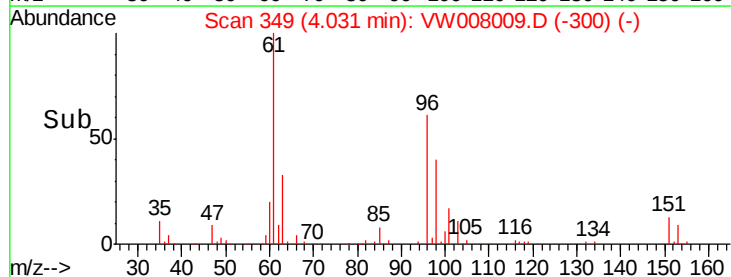
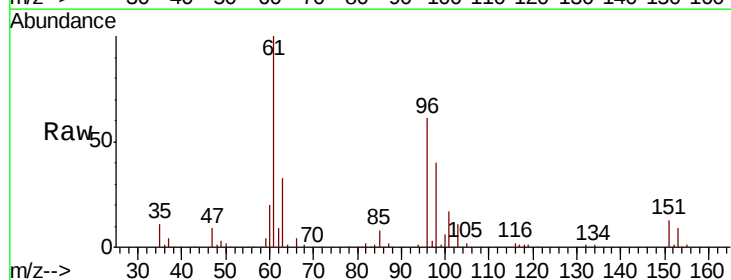
MMDadoda
1/3/2019 10:55:37 AM

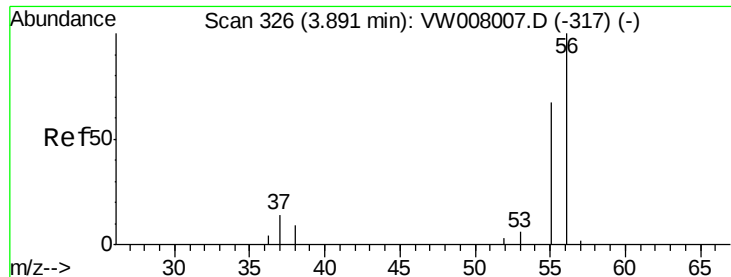


#12

1,1-Dichloroethene
Concen: 153.069 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	137.3	205.9
98	64.7	50.5	75.7





#13

Acrolein

Concen: 781.241 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 24885

Ion Ratio Lower Upper

56 100

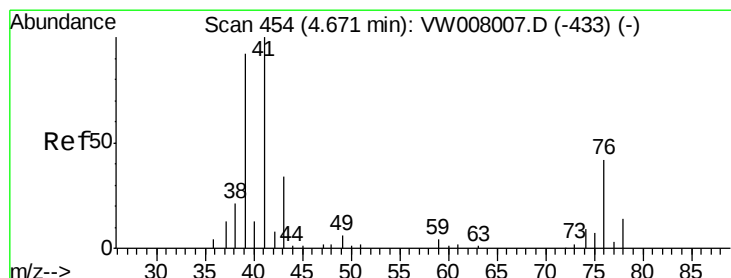
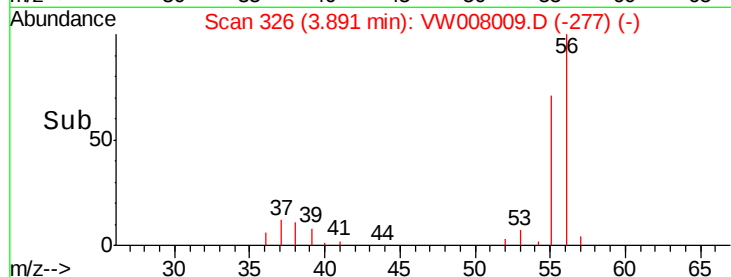
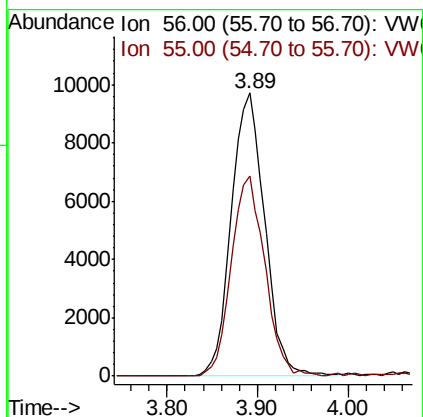
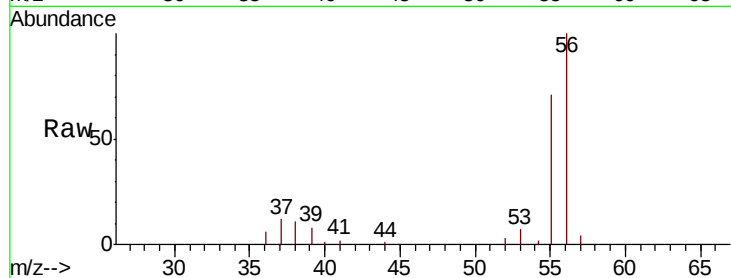
55 70.6 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 151.822 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

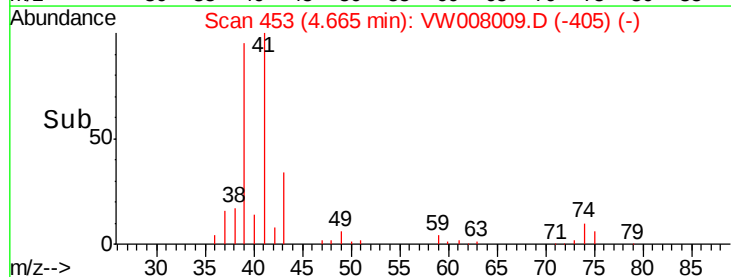
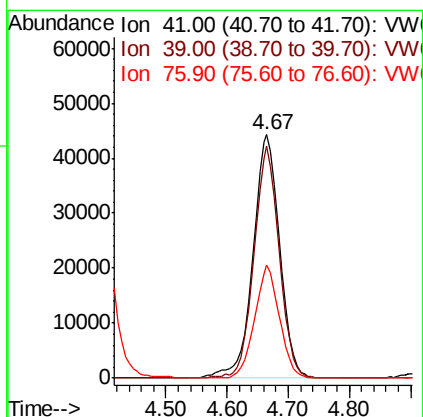
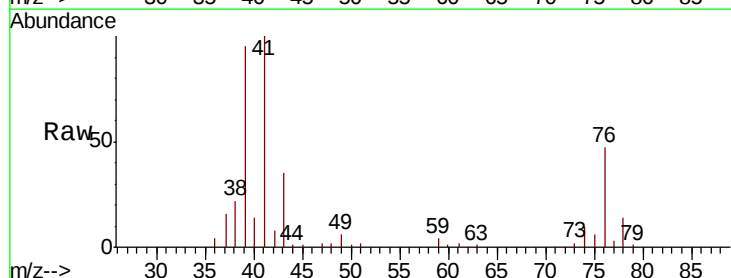
Tgt Ion: 41 Resp: 135102

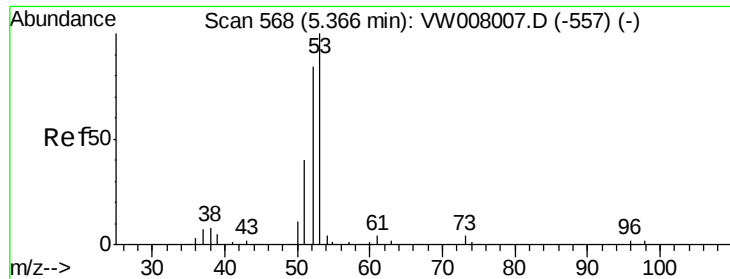
Ion Ratio Lower Upper

41 100

39 90.5 71.1 106.7

76 43.1 33.4 50.2





#15

Acrylonitrile

Concen: 770.736 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

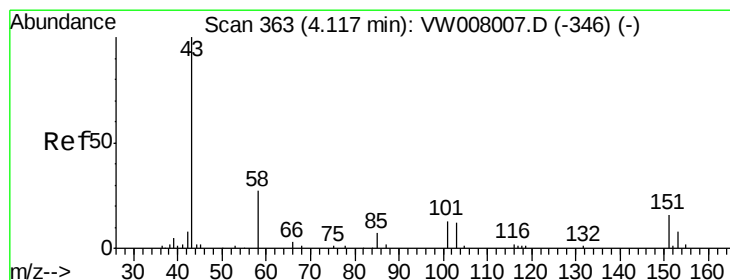
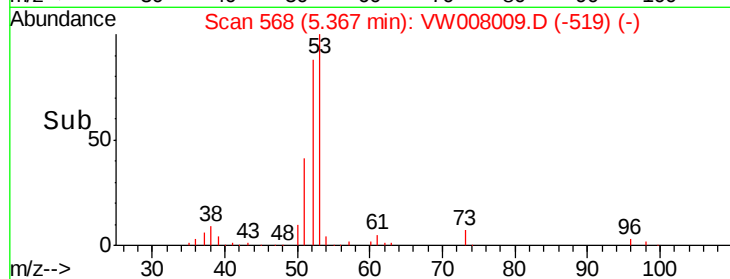
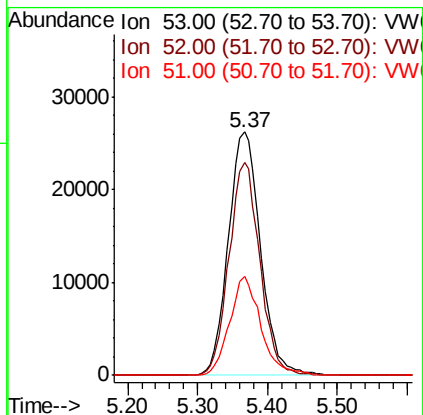
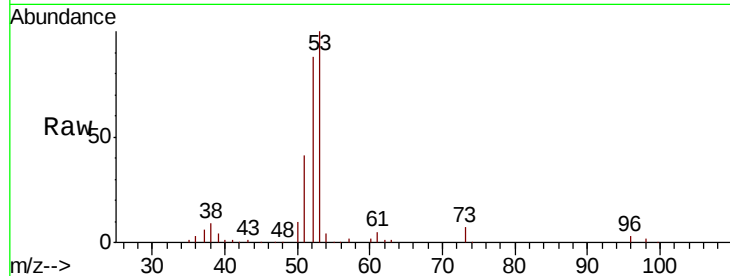
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	84076
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.8	101.8
51	39.4	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 728.788 ug/l

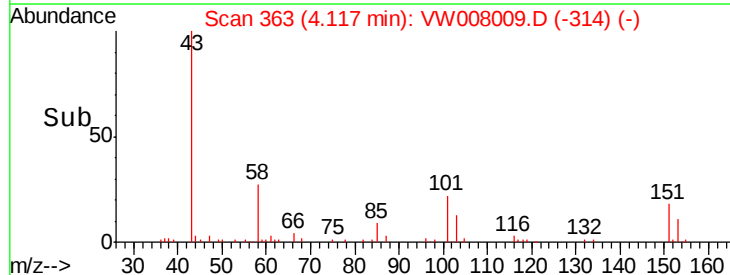
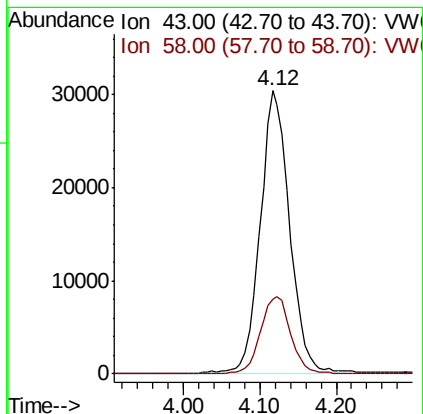
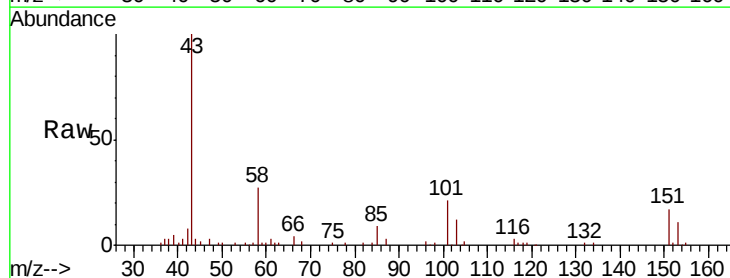
RT: 4.12 min Scan# 363

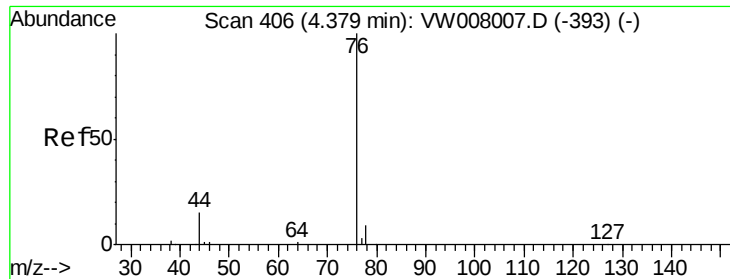
Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion:	43	Resp:	81635
Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.7	32.5





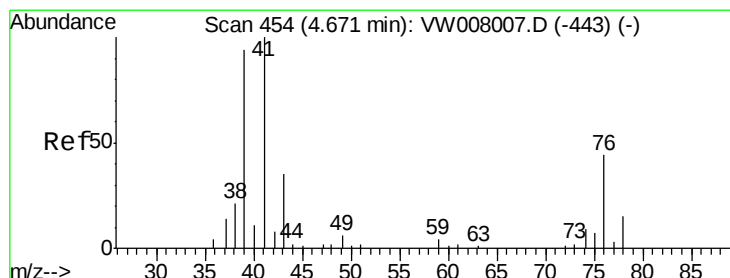
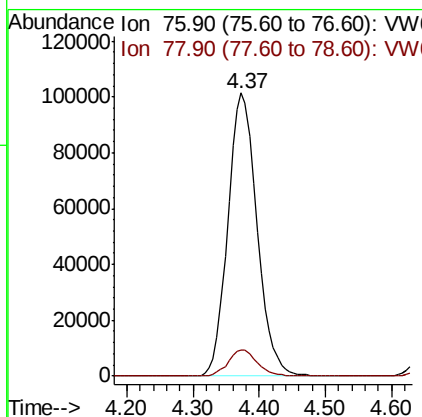
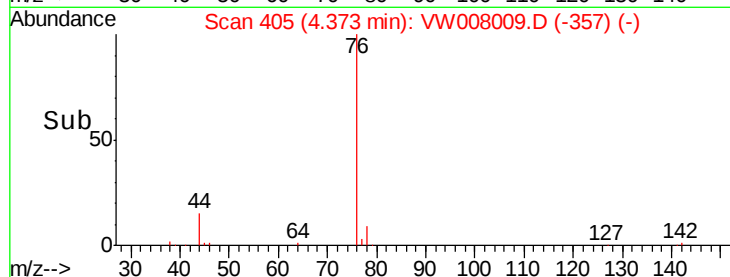
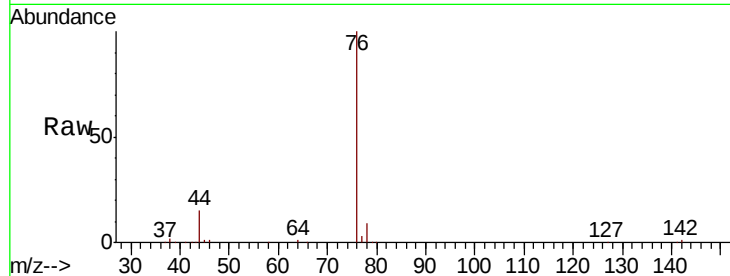
#17
Carbon Disulfide
Concen: 154.513 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 76 Resp: 310022
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

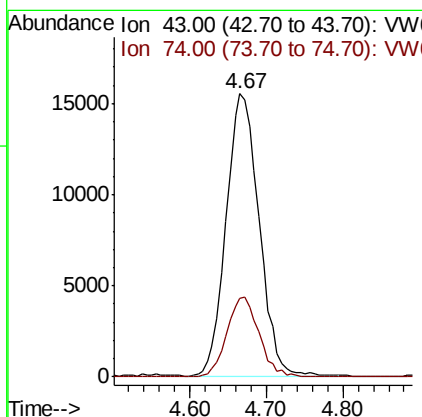
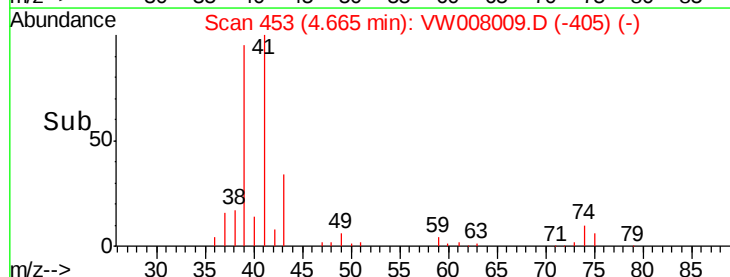
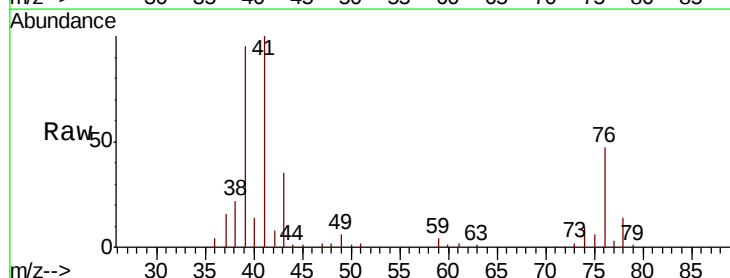
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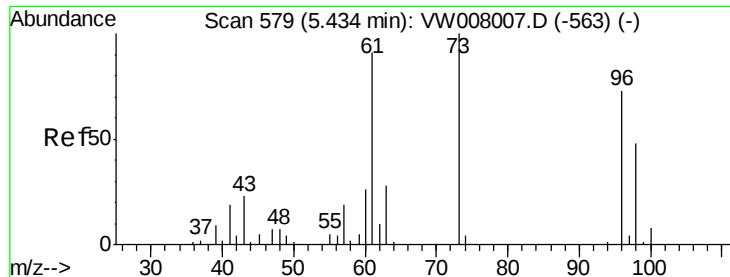
MMDadoda
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#18
Methyl Acetate
Concen: 160.685 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion: 43 Resp: 46678
Ion Ratio Lower Upper
43 100
74 27.1 21.4 32.2





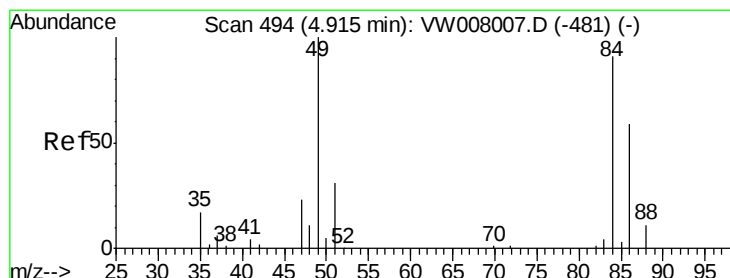
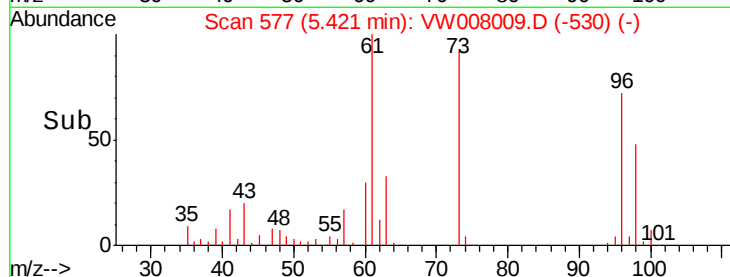
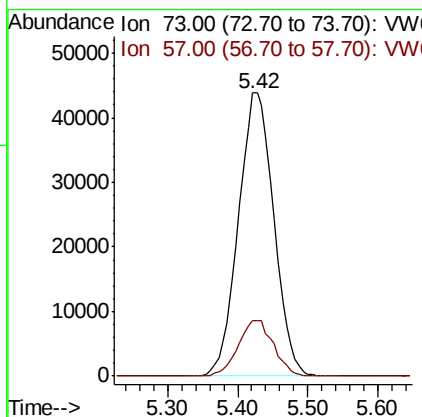
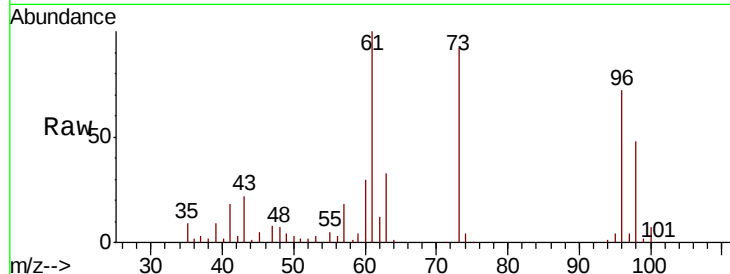
#19
Methyl tert-butyl Ether
Concen: 149.385 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 154420
Ion Ratio Lower Upper
73 100
57 19.7 15.4 23.0

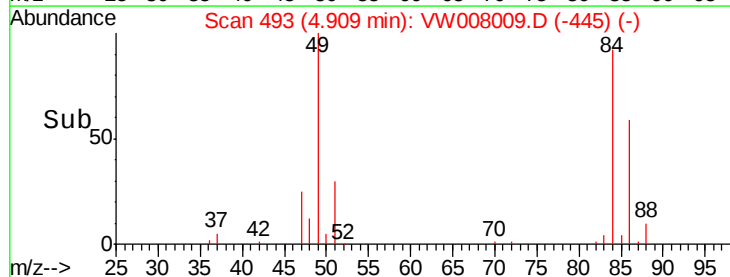
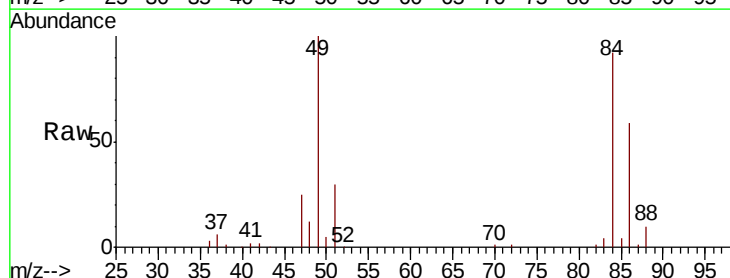
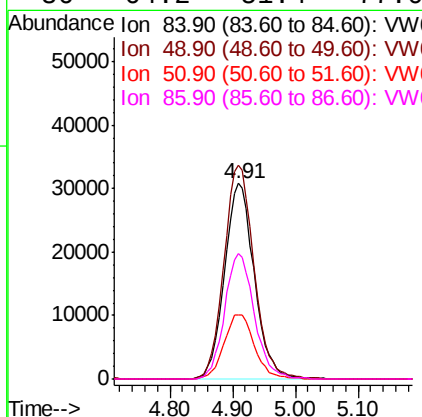
Manual Integrations
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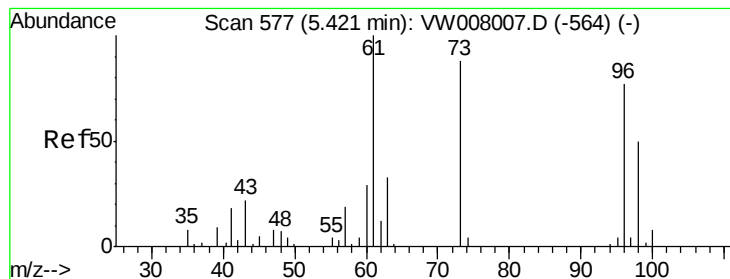
MMDadoda
1/3/2019 10:55:37 AM



#20
Methylene Chloride
Concen: 130.976 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion: 84 Resp: 101191
Ion Ratio Lower Upper
84 100
49 109.3 87.7 131.5
51 33.1 27.3 40.9
86 64.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 147.160 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 105169

Ion Ratio Lower Upper

96 100

61 140.0 104.2 156.2

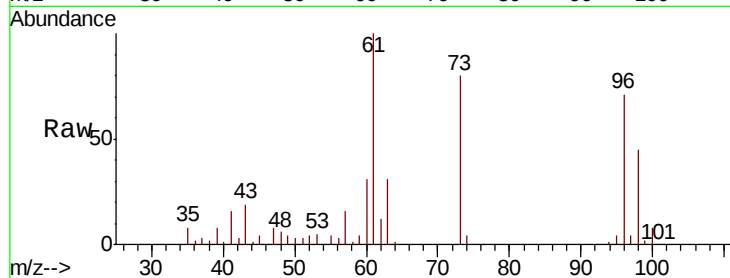
98 63.3 51.8 77.6

Manual Integrations

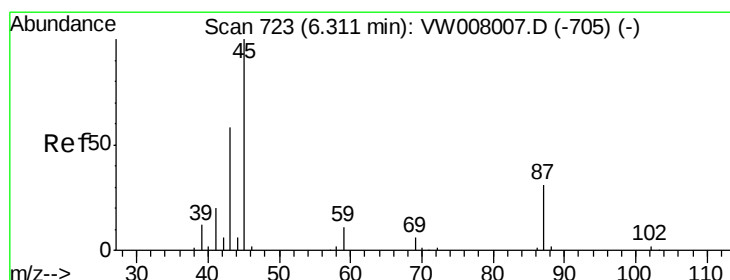
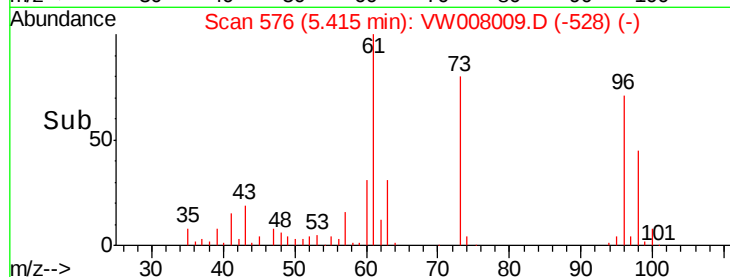
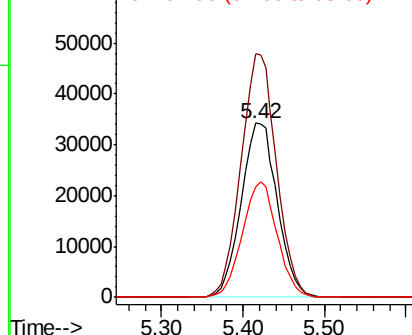
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 150.511 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion: 45 Resp: 240402

Ion Ratio Lower Upper

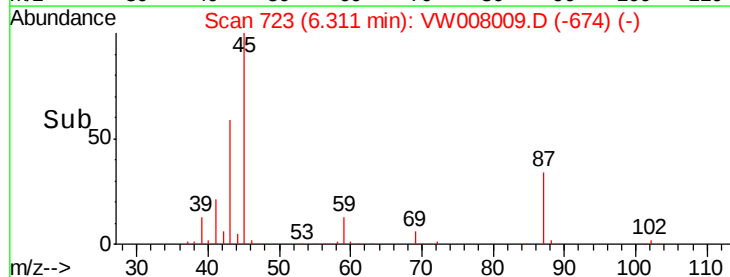
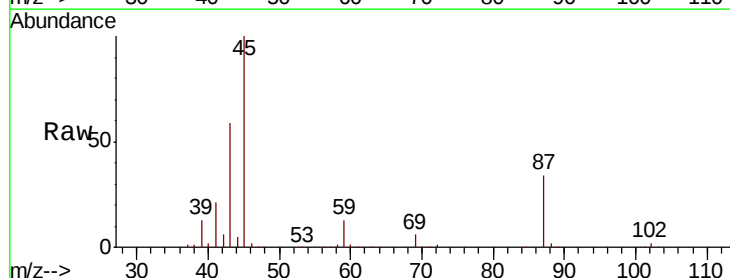
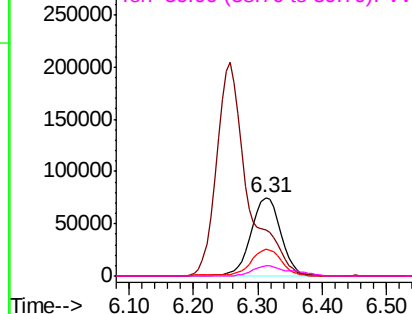
45 100

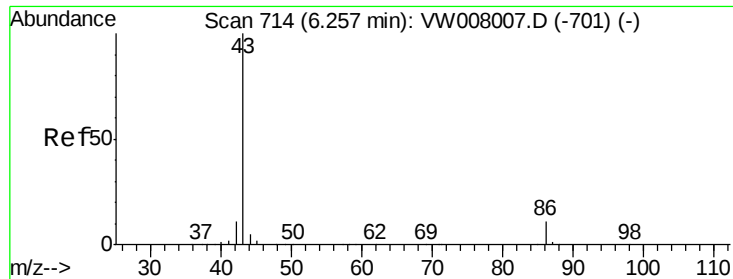
43 59.0 48.1 72.1

87 34.4 25.8 38.8

59 13.0 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 771.526 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 689478

Ion Ratio Lower Upper

43 100

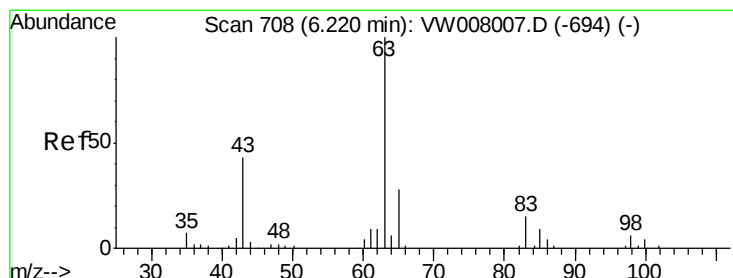
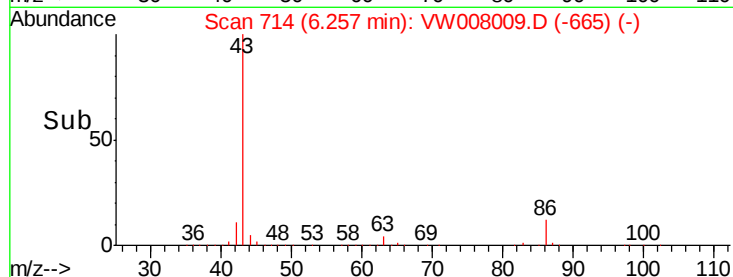
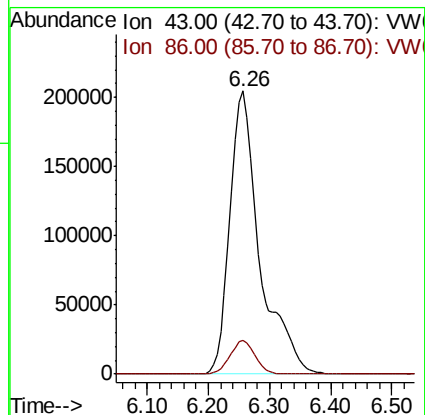
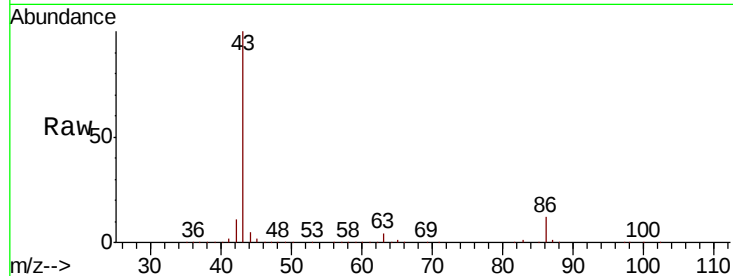
86 11.7 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 149.100 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

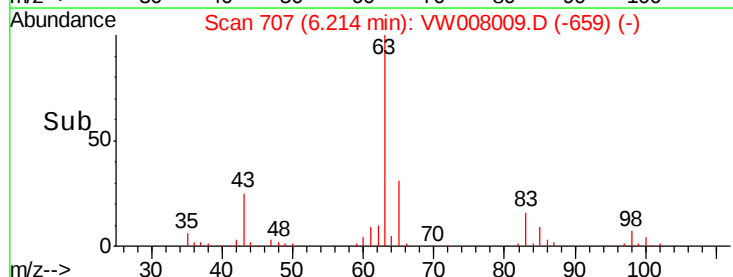
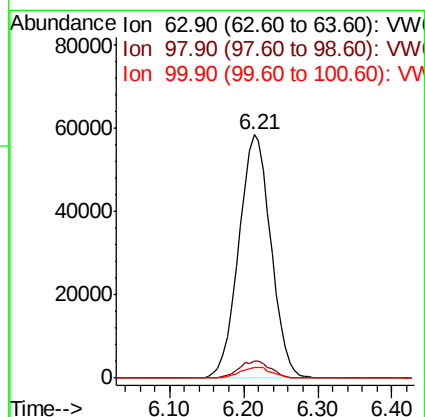
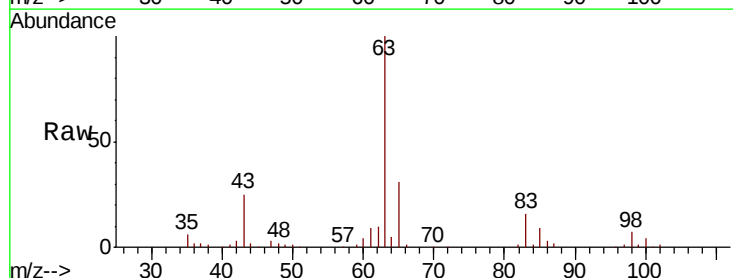
Tgt Ion: 63 Resp: 176945

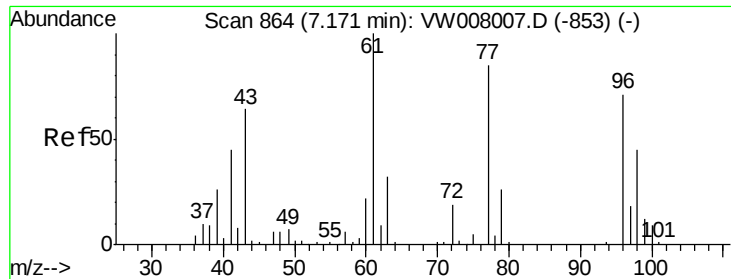
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.5 2.1 6.2





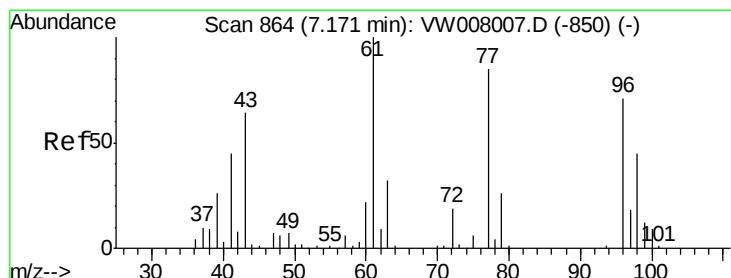
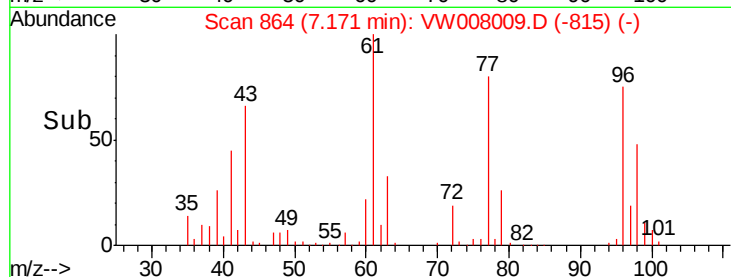
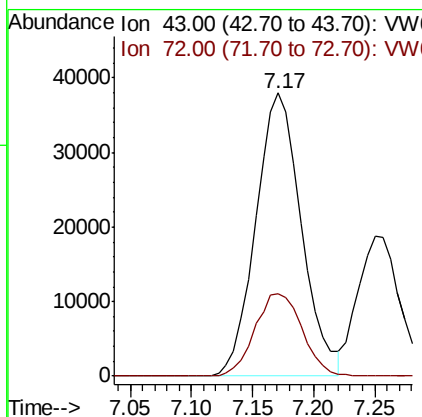
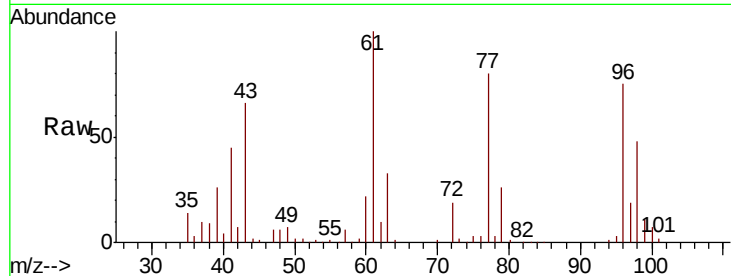
#25
2-Butanone
Concen: 747.219 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 98616
Ion Ratio Lower Upper
43 100
72 29.0 23.8 35.8

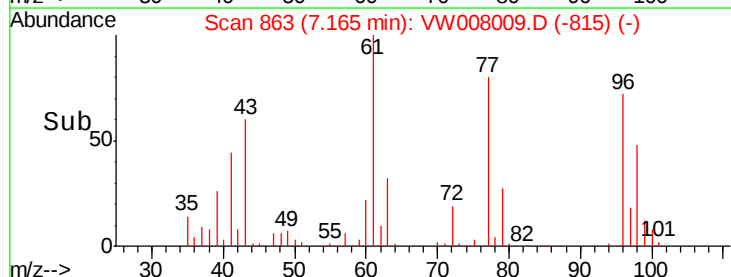
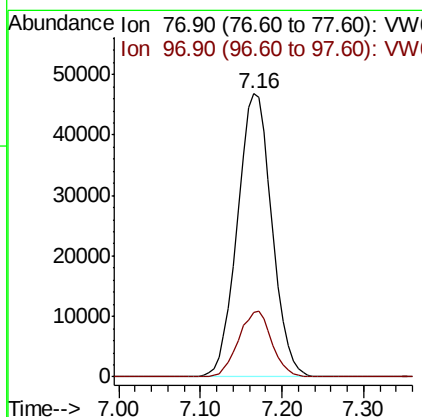
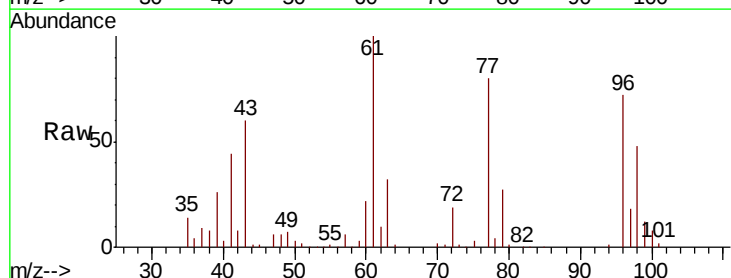
Manual Integrations
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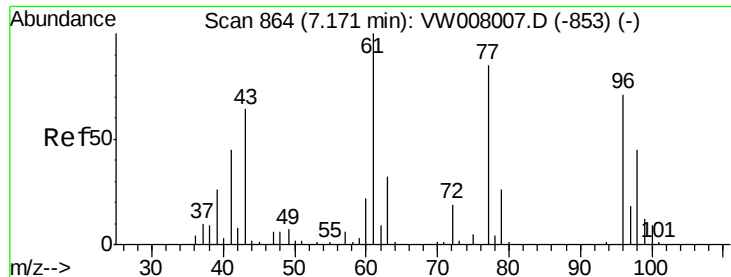
MMDadoda
1/3/2019 10:55:37 AM



#26
2,2-Dichloropropane
Concen: 140.588 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion: 77 Resp: 137460
Ion Ratio Lower Upper
77 100
97 22.5 11.0 33.0





#27

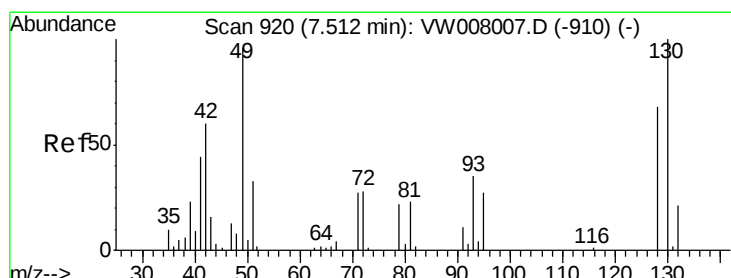
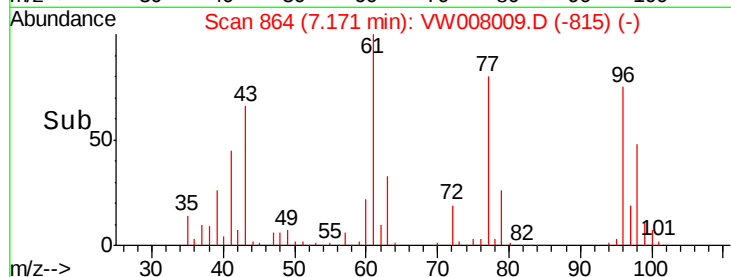
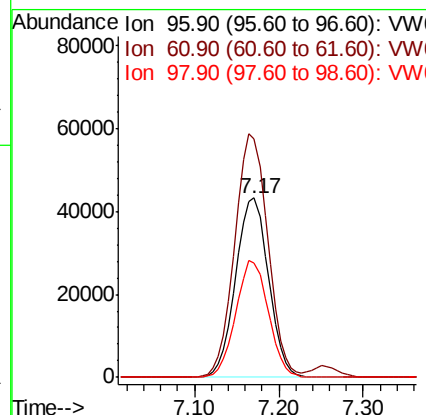
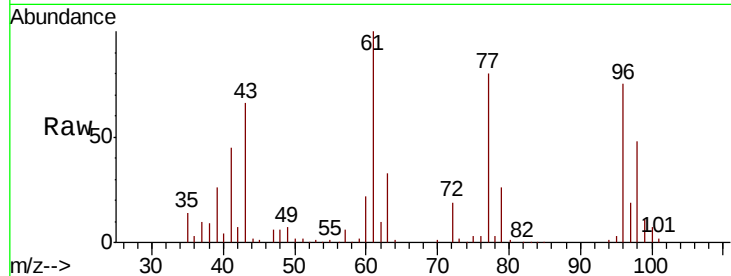
cis-1,2-Dichloroethene
Concen: 150.470 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	114547		
61	137.0	0.0	286.4	
98	64.4	0.0	130.6	

Manual Integrations
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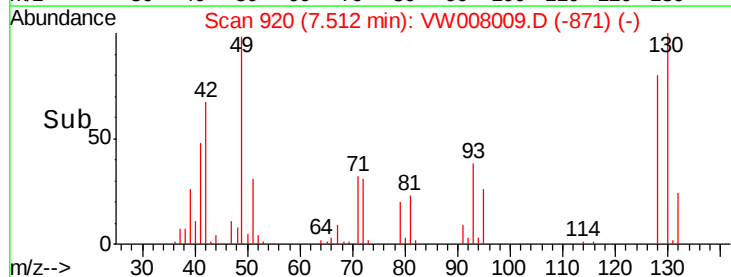
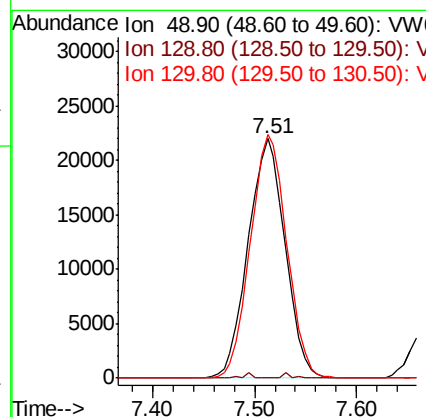
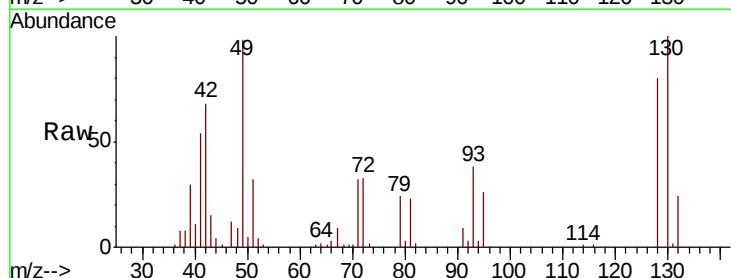
MMDadoda
1/3/2019 10:55:37 AM

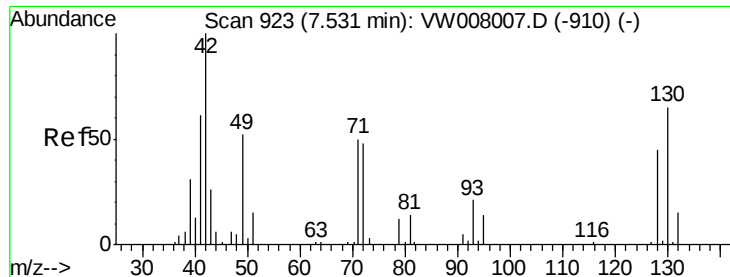


#28

Bromochloromethane
Concen: 145.410 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55465		
129	0.5	0.0	0.8	
130	100.2	78.5	117.7	





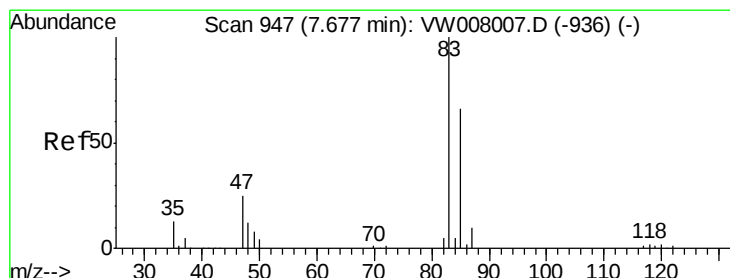
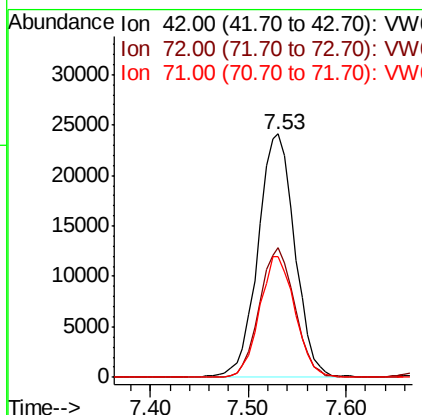
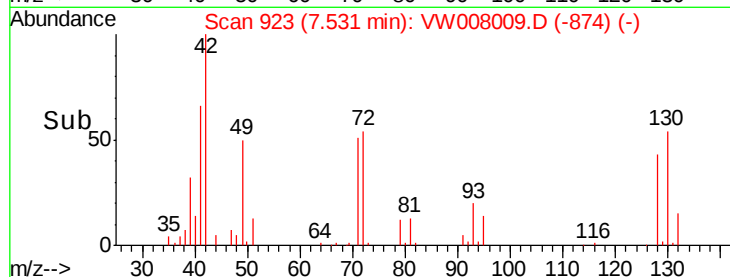
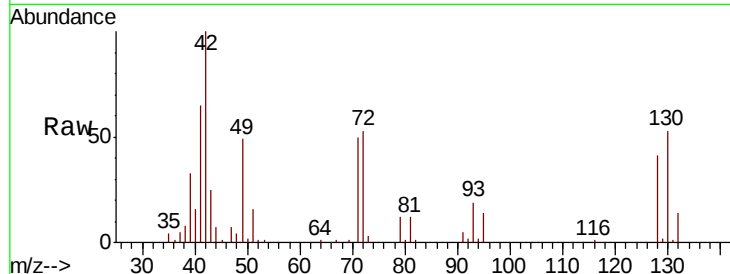
#29
Tetrahydrofuran
Concen: 769.561 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	39.0	58.6
71	47.9	39.1	58.7

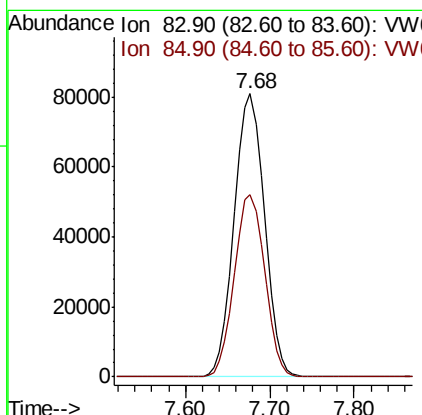
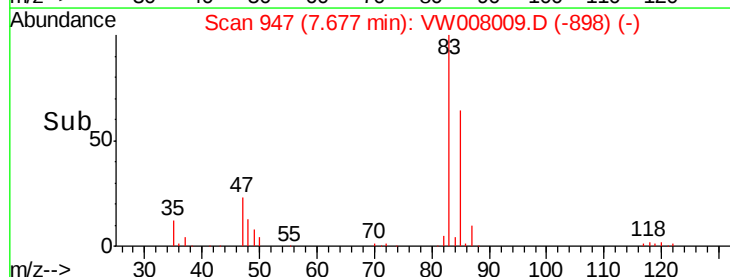
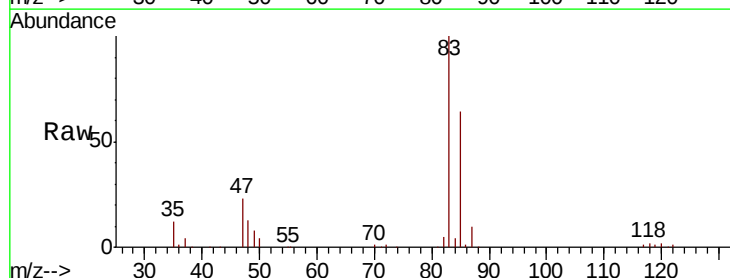
Manual Integrations
APPROVED

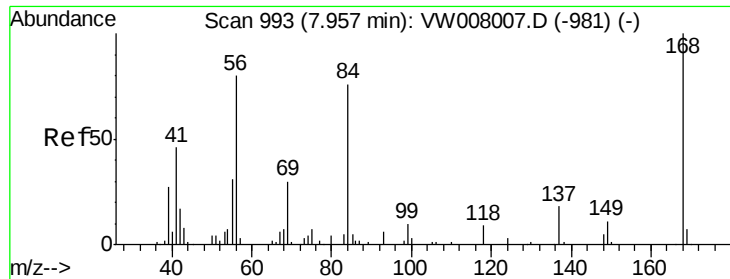
MMDadoda
1/3/2019 10:55:37 AM



#30
Chloroform
Concen: 148.280 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.7	79.1





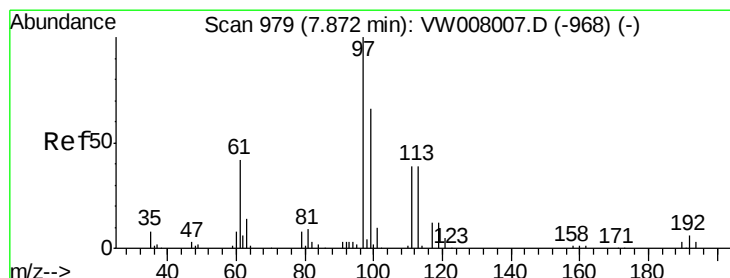
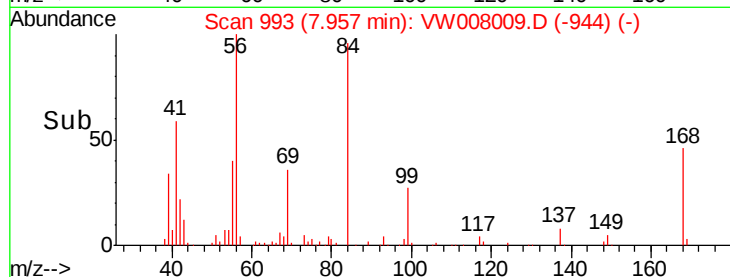
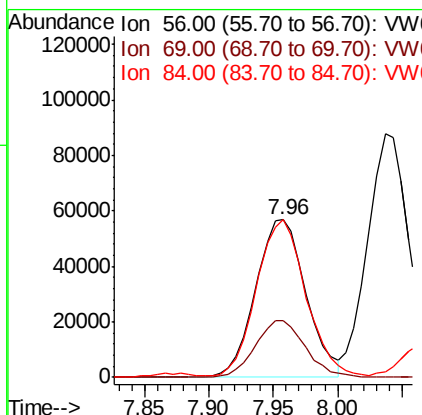
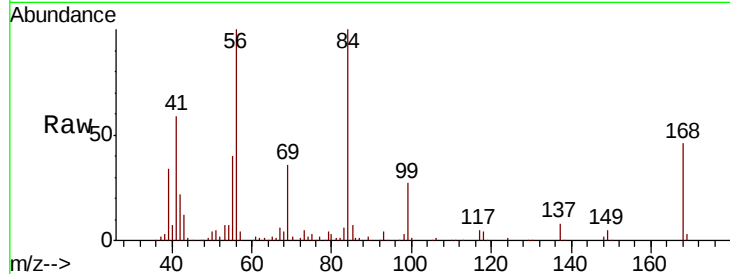
#31
Cyclohexane
Concen: 139.227 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	29.8	44.6
84	98.1	75.2	112.8

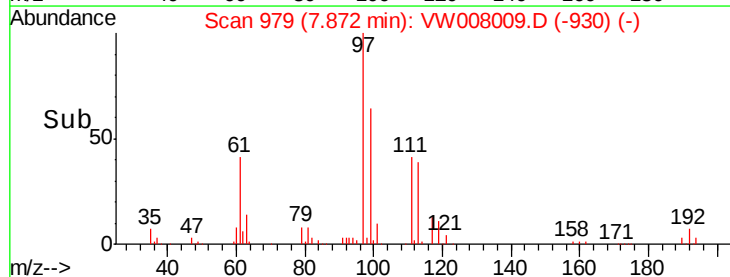
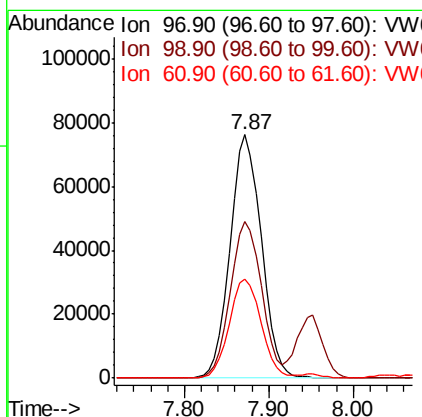
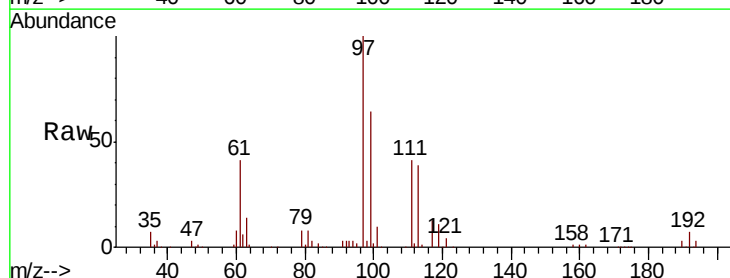
Manual Integrations
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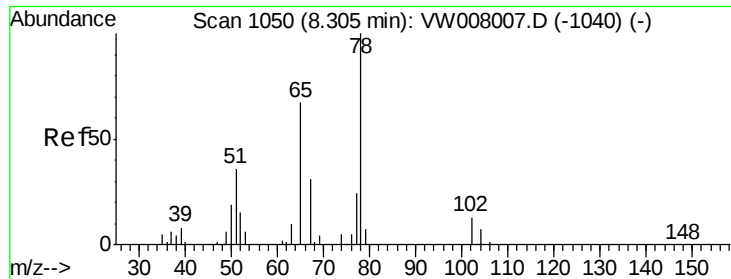
MMDadoda
1/3/2019 10:55:37 AM



#32
1,1,1-Trichloroethane
Concen: 150.559 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	41.4	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 150.446 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 108867

Ion Ratio Lower Upper

65 100

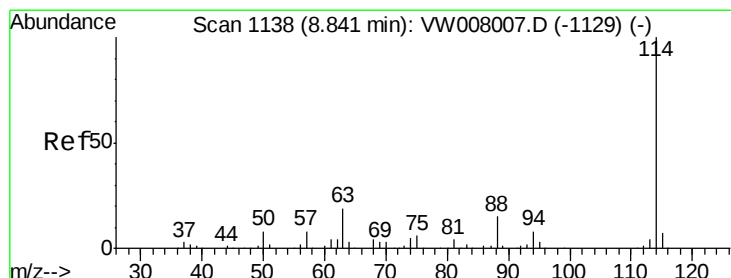
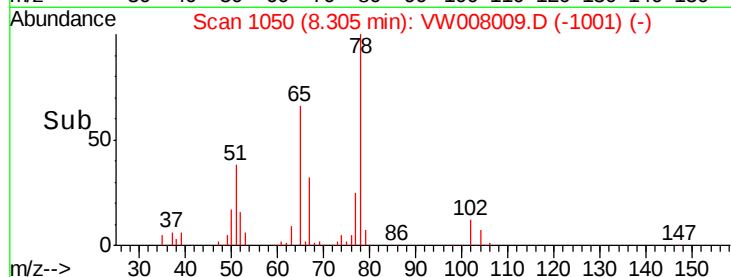
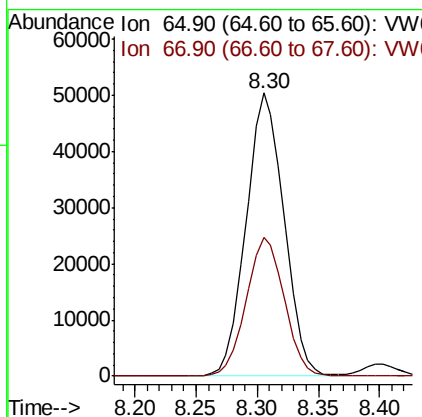
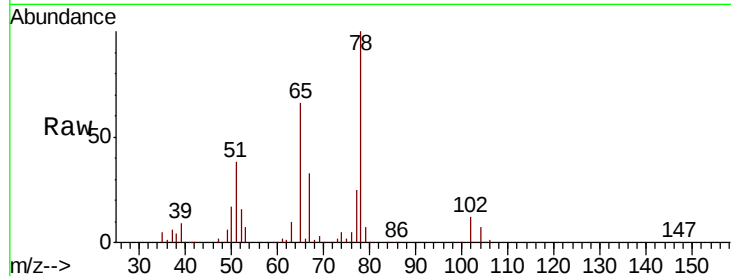
67 49.2 0.0 94.8

Manual Integrations

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1/3/2019 10:55:37 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

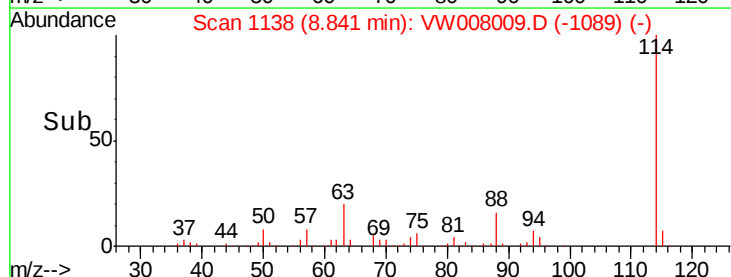
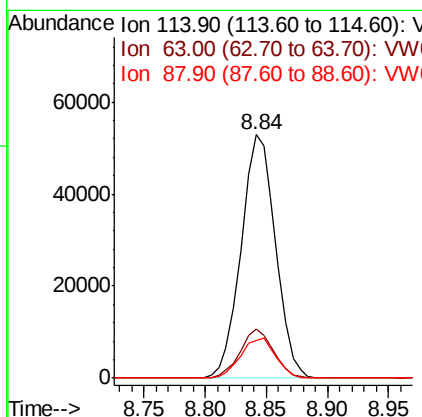
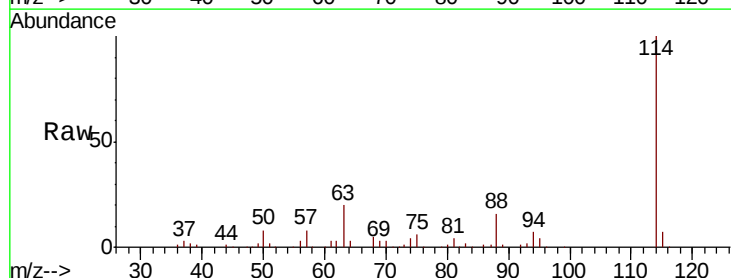
Tgt Ion: 114 Resp: 103231

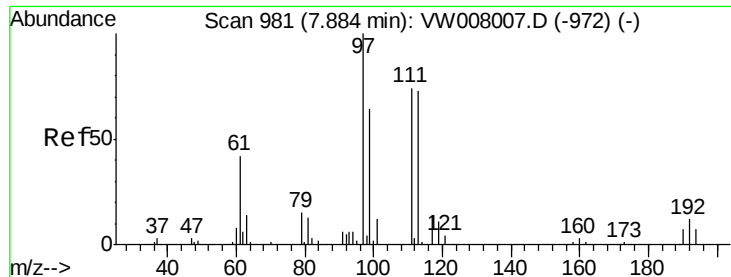
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.8

88 15.5 0.0 31.0





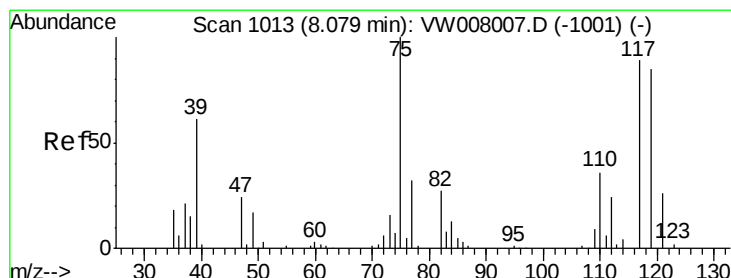
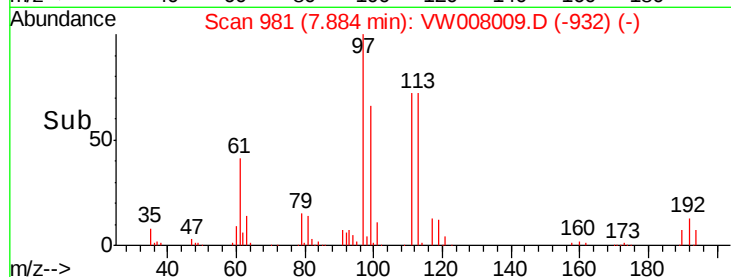
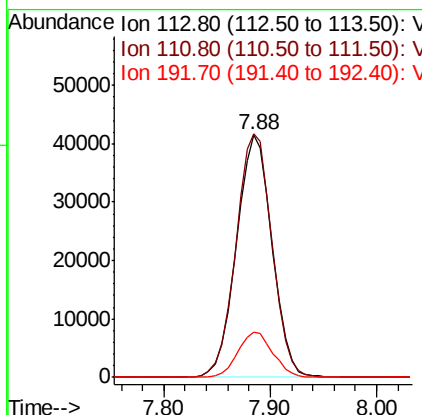
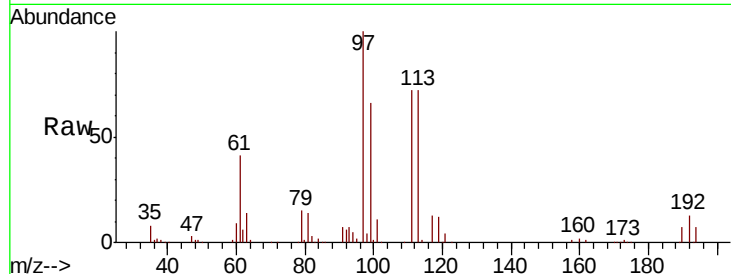
#35
 Dibromofluoromethane
 Concen: 149.336 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	18.3	14.8	22.2

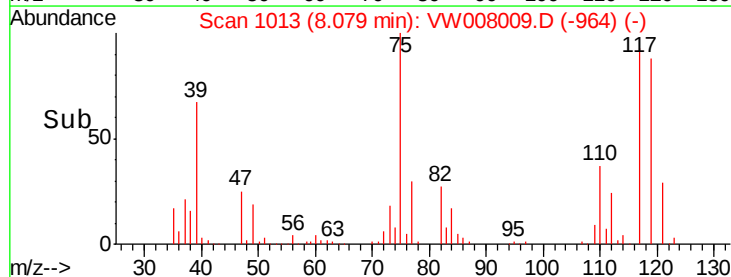
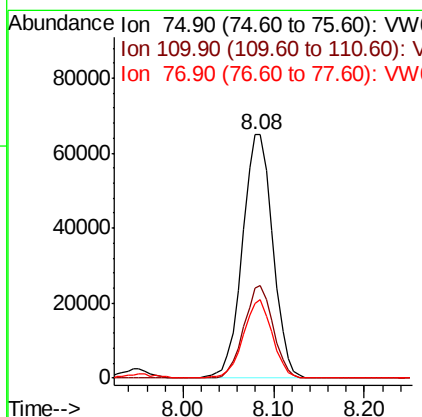
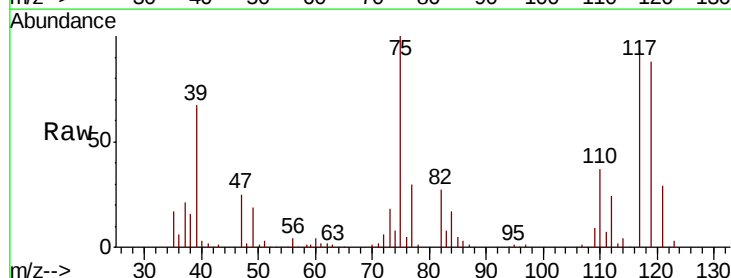
Manual Integrations
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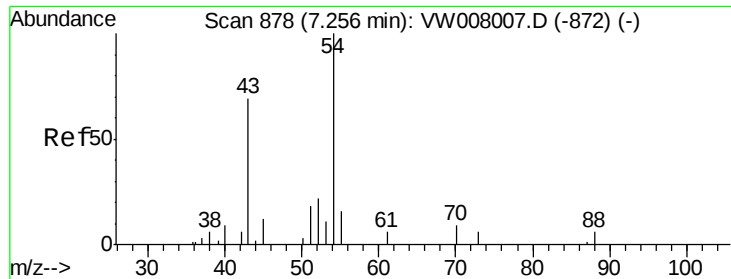
MMDadoda
 1/3/2019 10:55:37 AM



#36
 1,1-Dichloropropene
 Concen: 147.839 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.3
77	30.7	25.3	37.9





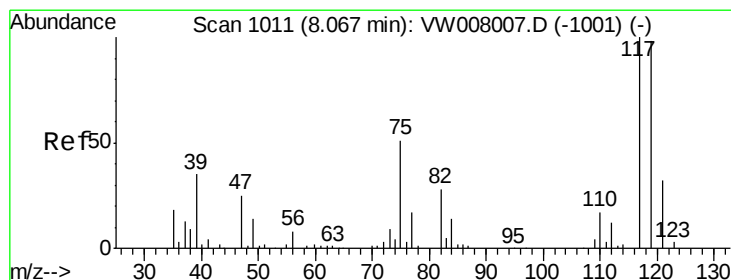
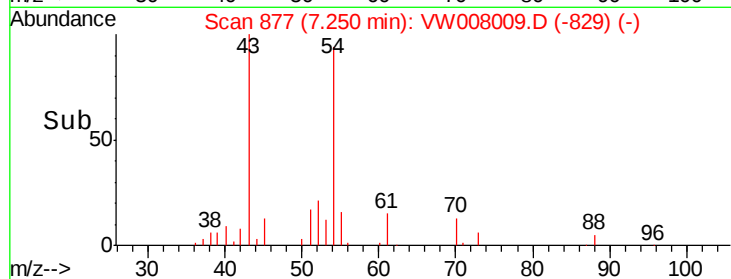
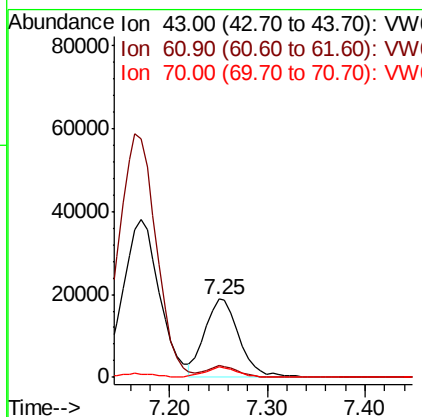
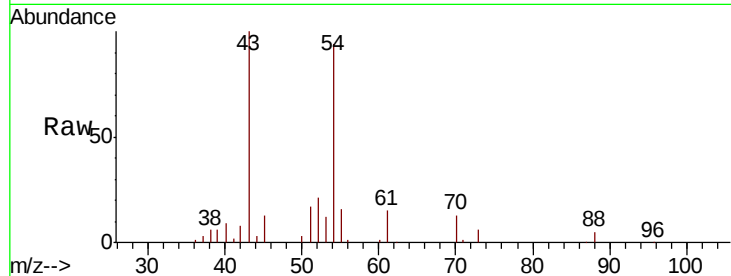
#37
Ethyl Acetate
Concen: 151.165 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.4	17.2
70	12.4	9.4	14.0

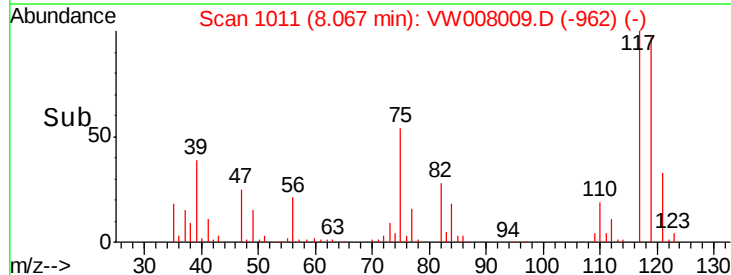
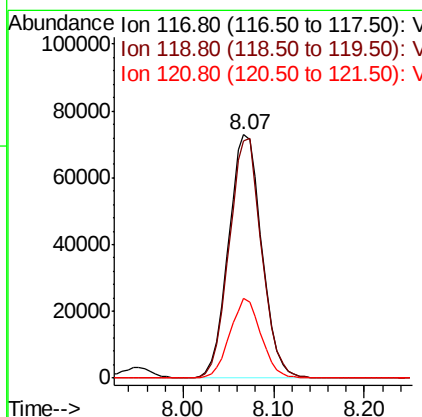
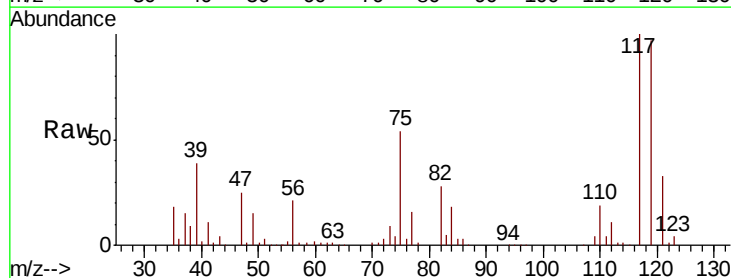
Manual Integrations
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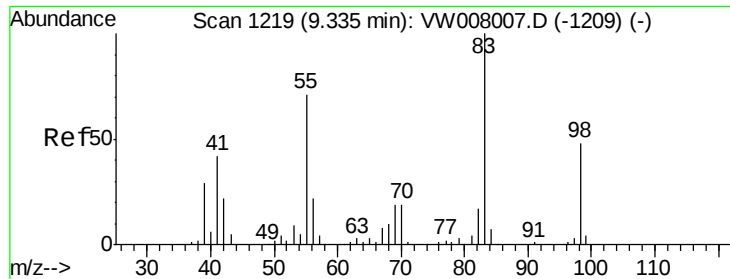
MMDadoda
1/3/2019 10:55:37 AM



#38
Carbon Tetrachloride
Concen: 151.644 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.7	118.1
121	32.6	25.8	38.8





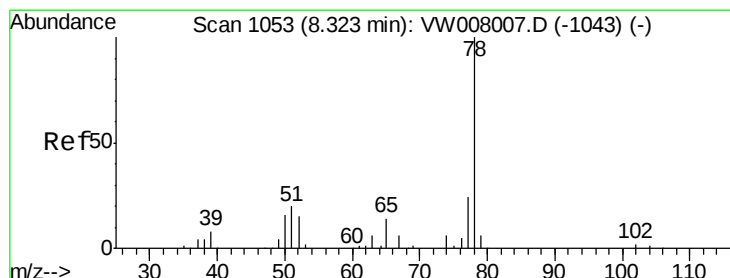
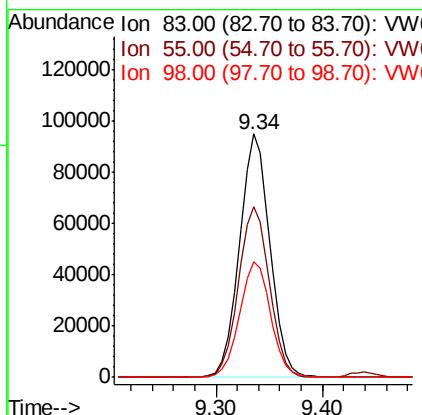
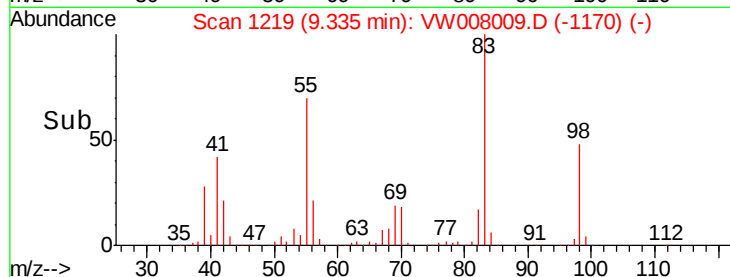
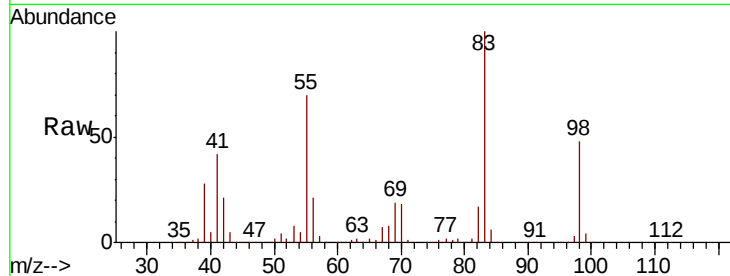
#39
Methvlcvclohexane
Concen: 149.980 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	56.8	85.2
98	47.5	38.6	58.0

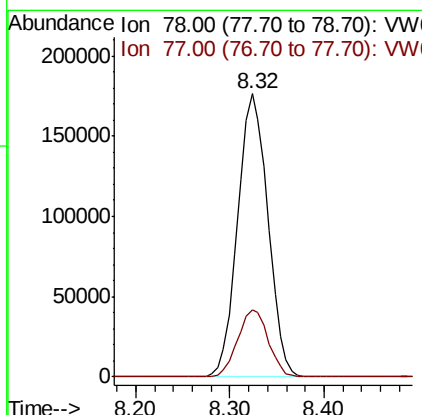
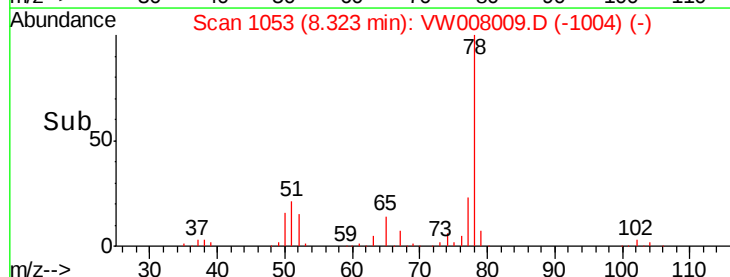
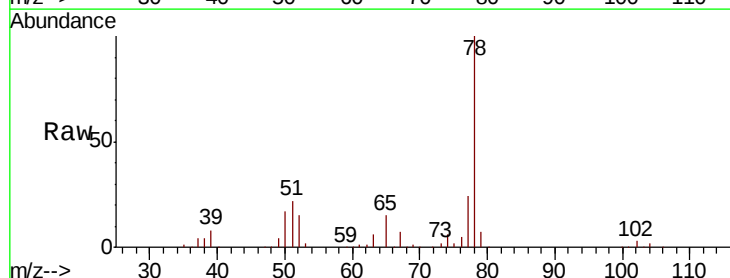
Manual Integrations
APPROVED

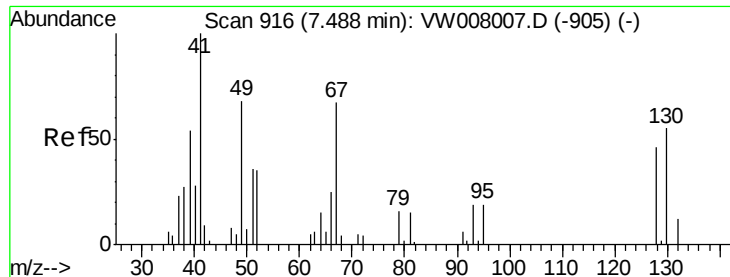
MMDadoda
1/3/2019 10:55:37 AM



#40
Benzene
Concen: 146.377 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





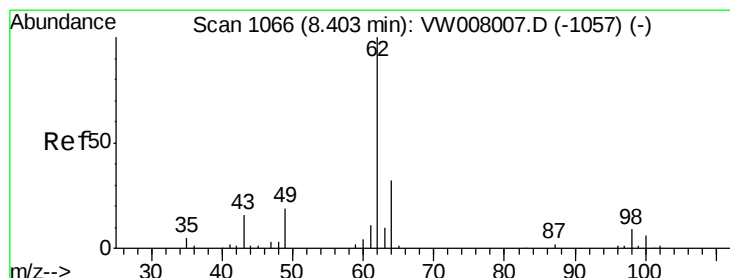
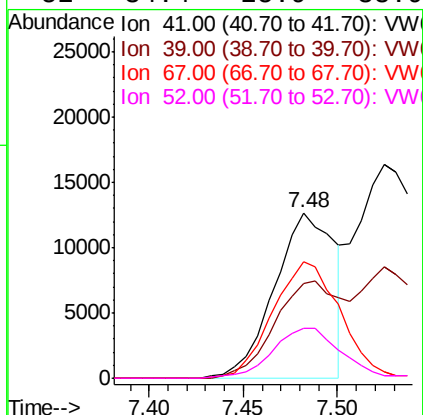
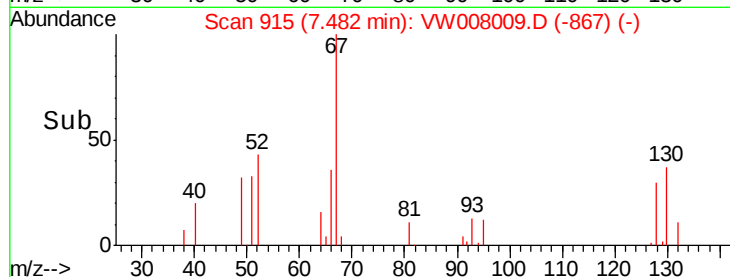
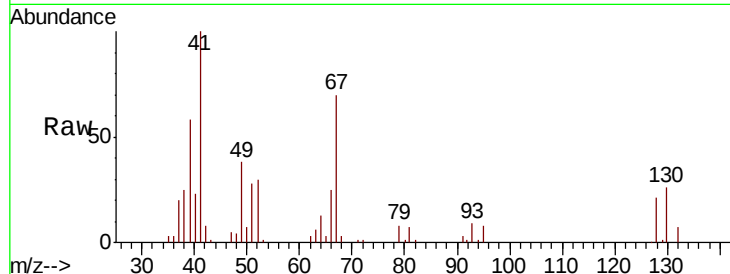
#41
Methacrylonitrile
Concen: 149.395 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:	41	Resp:	28156
Ion	Ratio	Lower	Upper
41	100		
39	67.1	48.6	72.8
67	78.2	55.6	83.4
52	34.4	25.9	38.9

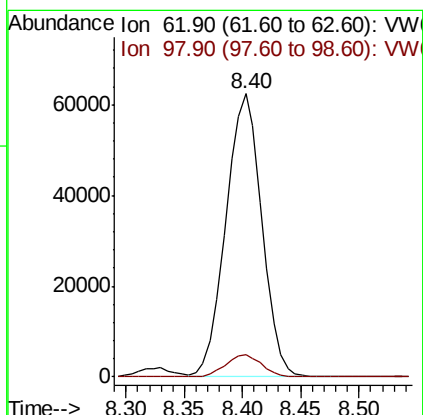
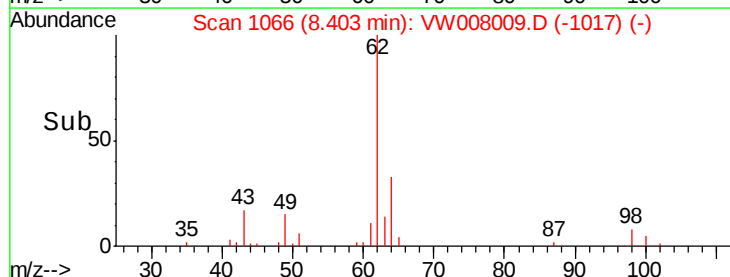
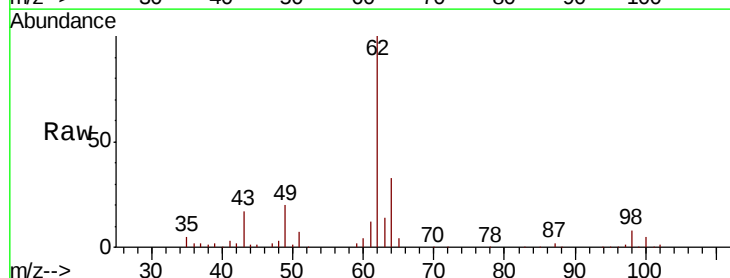
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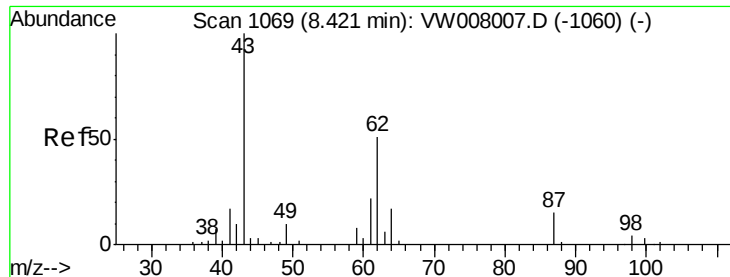
MMDadoda
1/3/2019 10:55:37 AM



#42
1,2-Dichloroethane
Concen: 149.354 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion:	62	Resp:	133685
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 157.448 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

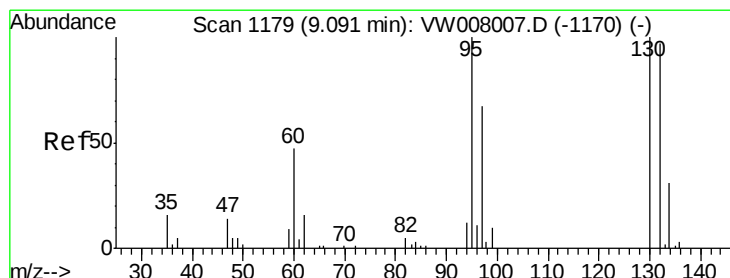
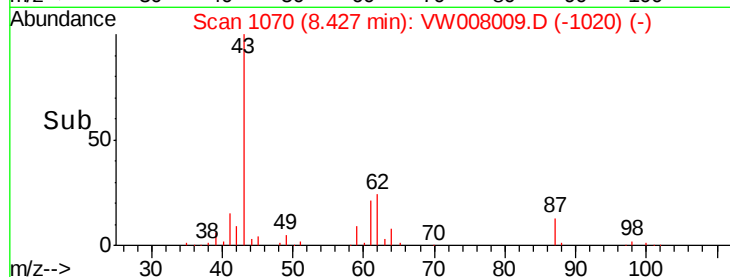
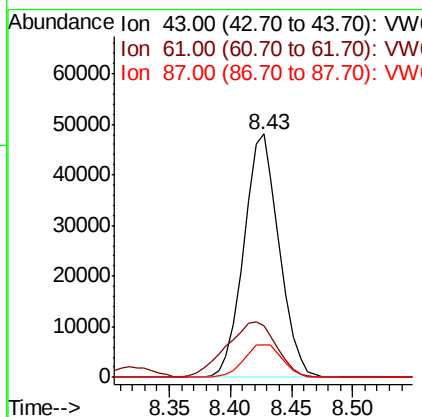
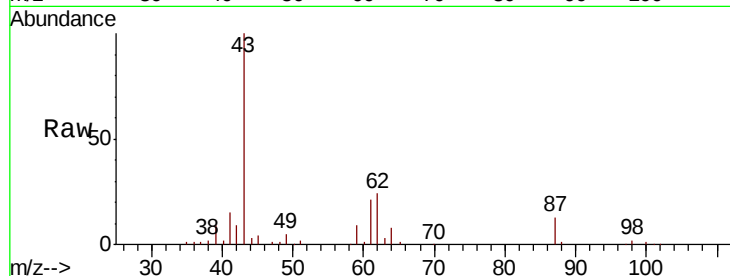
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	96229
Ion	Ratio	Lower	Upper
43	100		
61	32.4	26.4	39.6
87	14.8	12.0	18.0

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#44

Trichloroethene

Concen: 147.424 ug/l

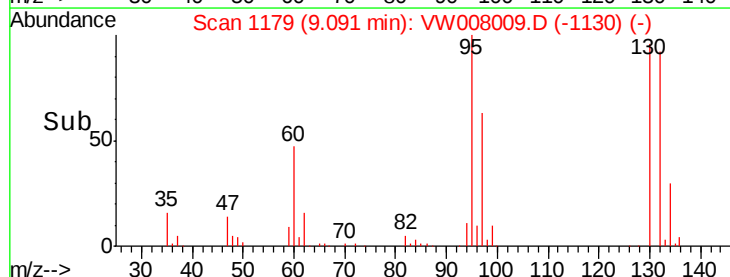
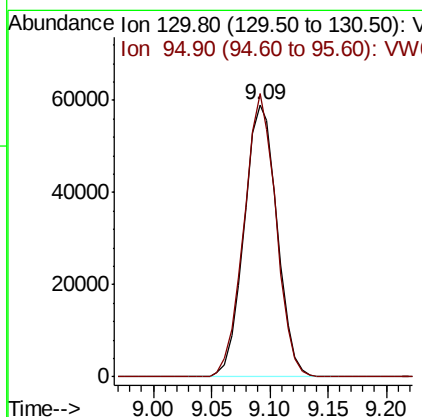
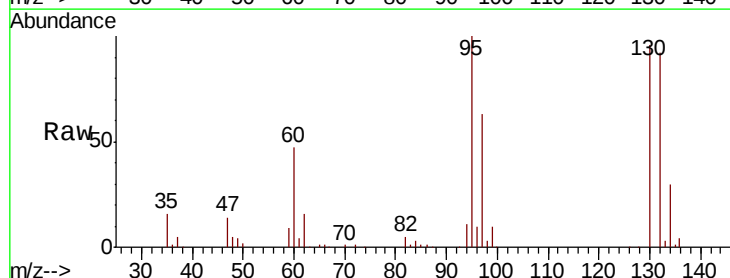
RT: 9.09 min Scan# 1179

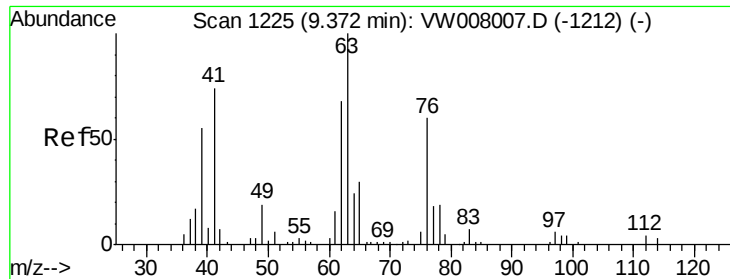
Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion:	130	Resp:	116871
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	200.0





#45

1,2-Dichloropropane

Concen: 149.936 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 87186

Ion Ratio Lower Upper

63 100

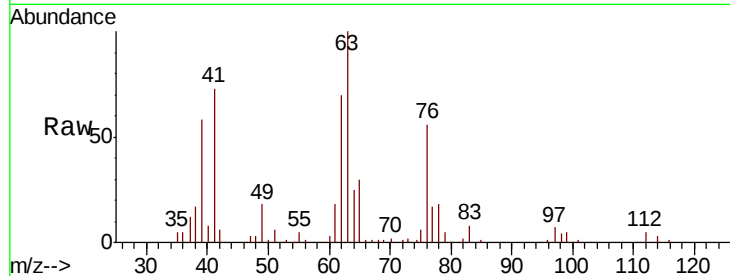
65 30.3 24.2 36.4

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

40000

30000

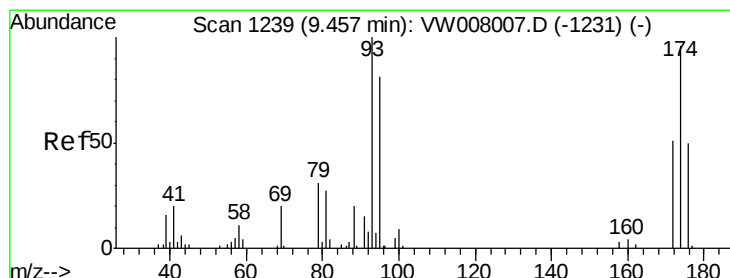
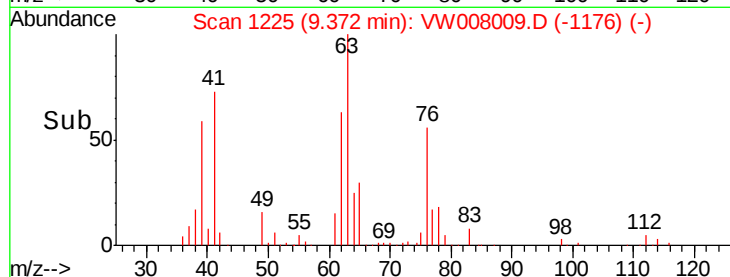
20000

10000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 148.347 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

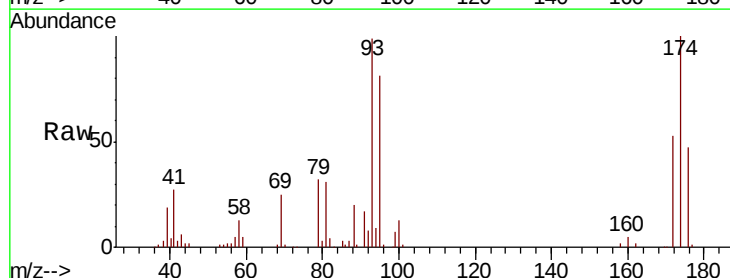
Tgt Ion: 93 Resp: 50434

Ion Ratio Lower Upper

93 100

95 82.9 63.9 95.9

174 102.1 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

30000

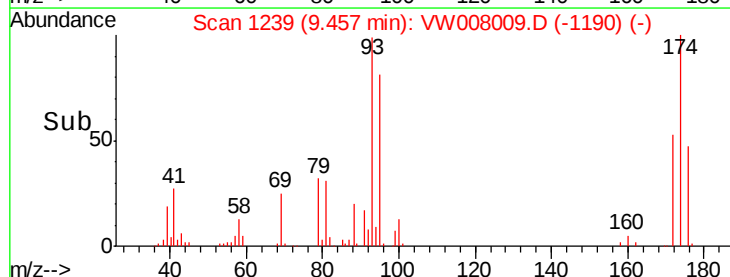
20000

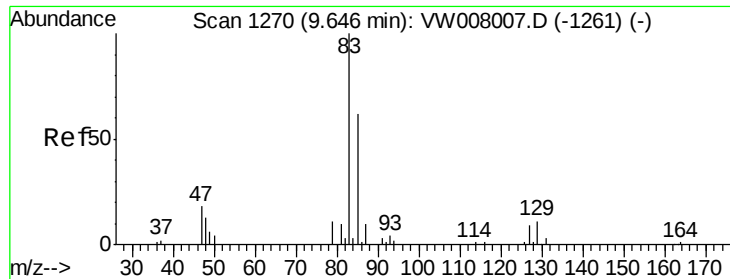
10000

0

9.35 9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 151.345 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

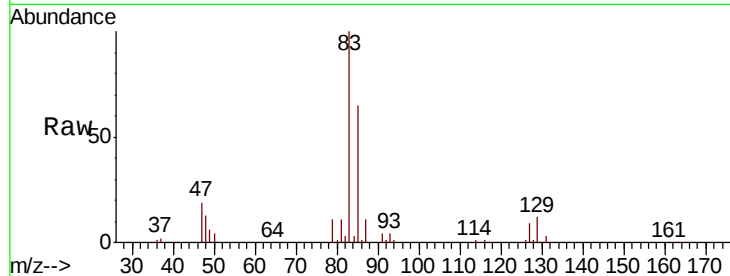
ClientSampleId :

VSTDIC150

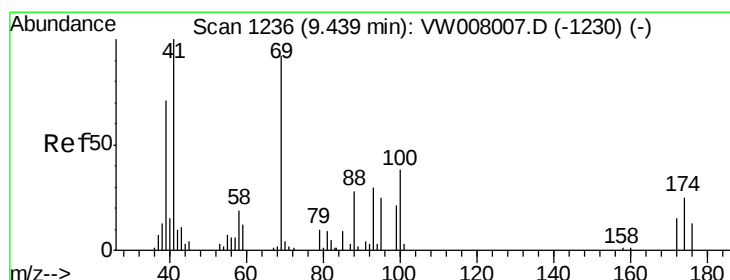
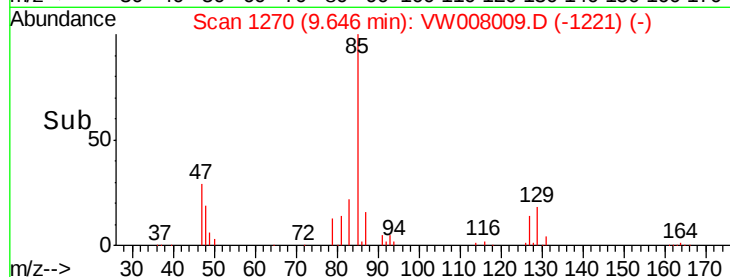
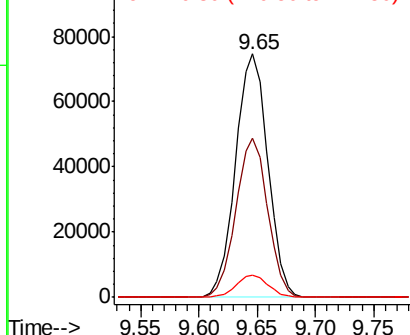
Tot Ion:	83	Resp:	144115
Ion Ratio	Lower	Upper	
83	100		
85	65.4	49.5	74.3
127	9.1	7.5	11.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 156.527 ug/l

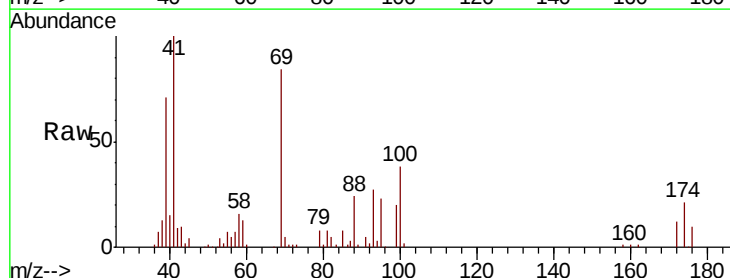
RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

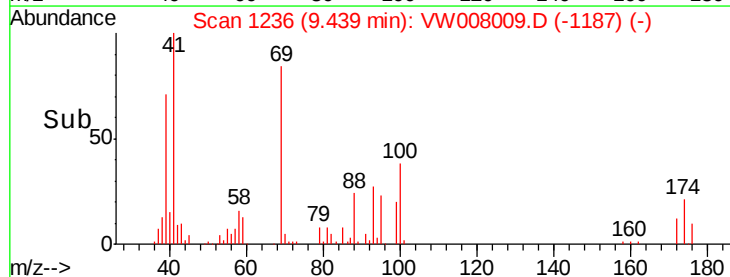
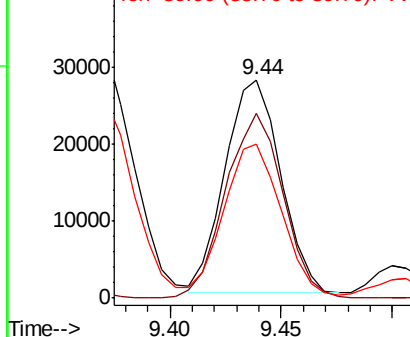
Lab File: VW008009.D

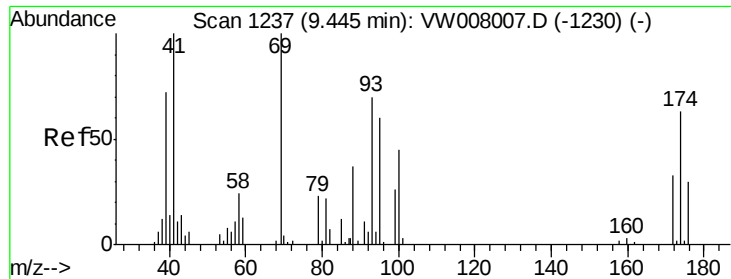
Acq: 02 Jan 2019 15:02

Tgt Ion:	41	Resp:	48236
Ion Ratio	Lower	Upper	
41	100		
69	89.5	72.3	108.5
39	72.7	58.7	88.1



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





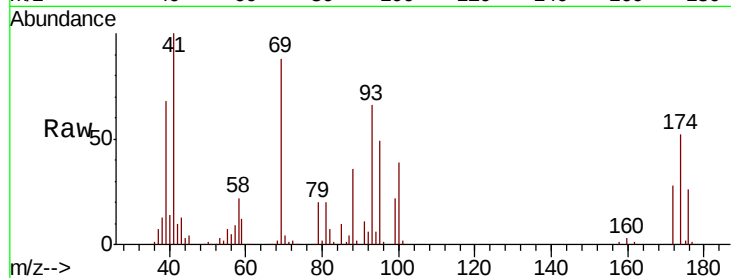
#49
1,4-Dioxane
Concen: 3225.323 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	26.8	40.2
58	61.5	55.8	83.6

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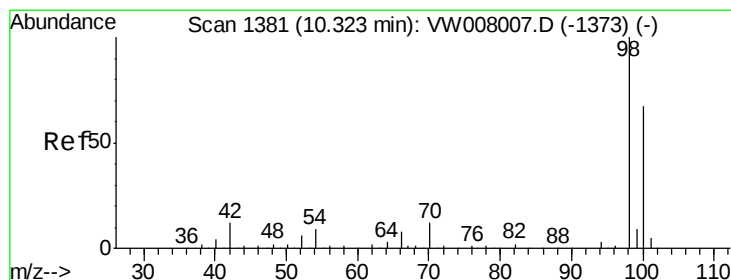
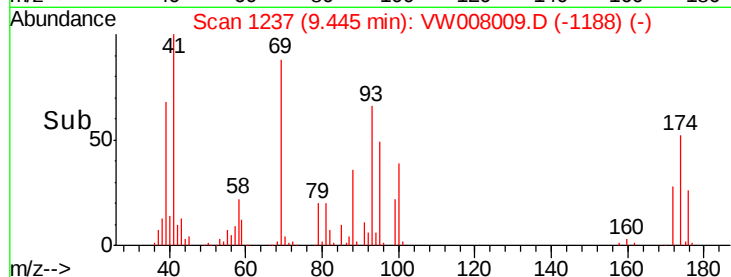
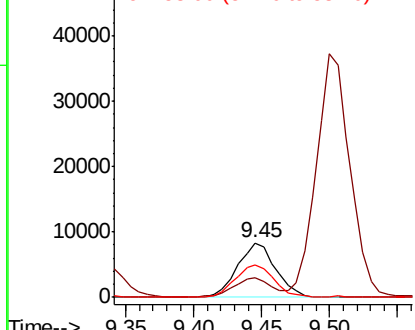


Abundance

Ion 88.00 (87.70 to 88.70): VW

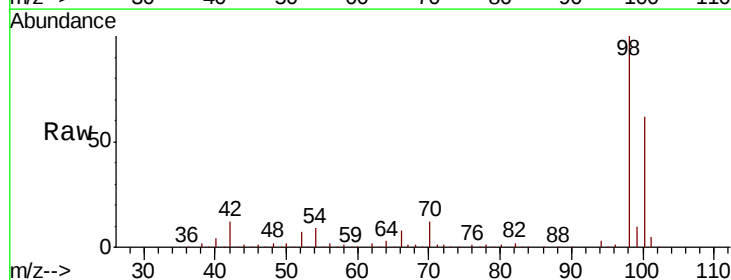
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 148.984 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

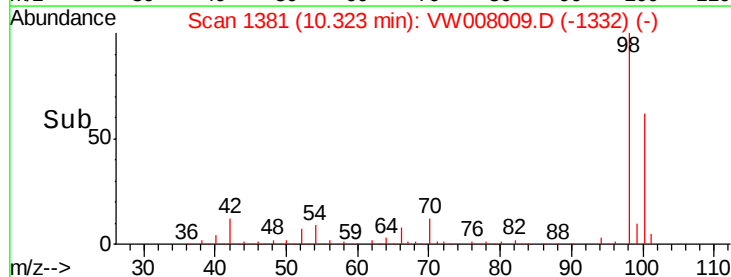
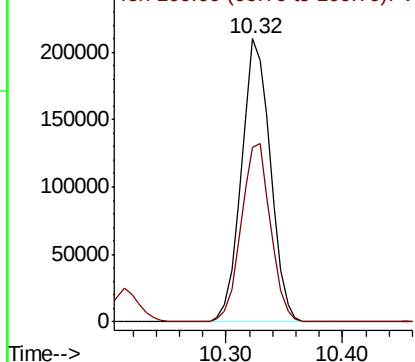
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.9	79.3

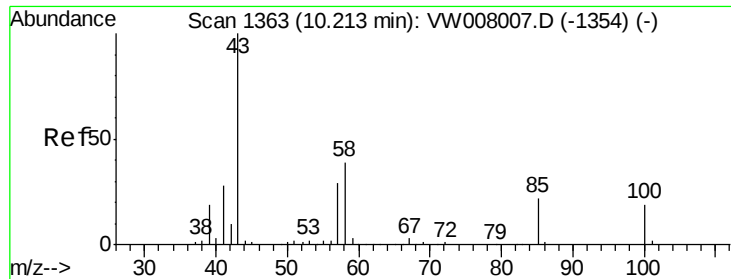


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 756.215 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 213940

Ion Ratio Lower Upper

43 100

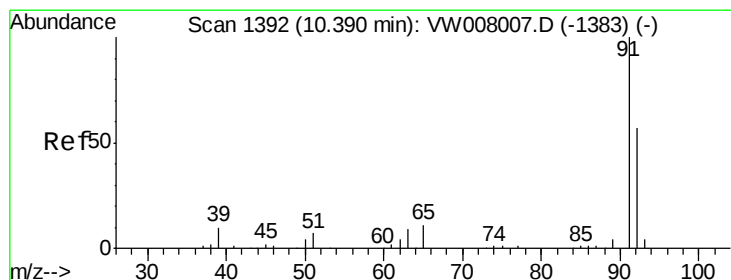
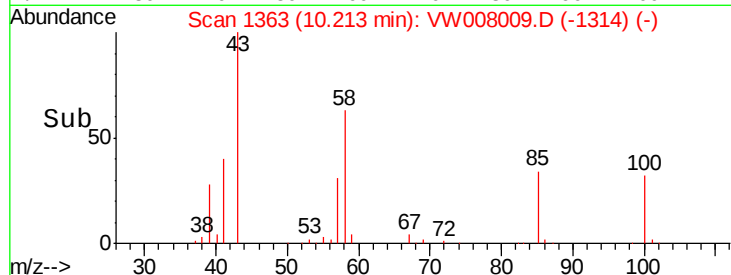
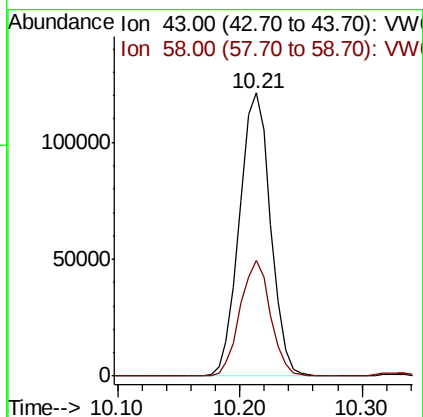
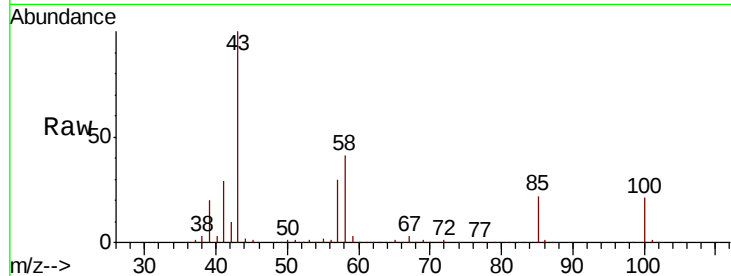
58 39.8 32.0 48.0

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#52

Toluene

Concen: 145.584 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008009.D

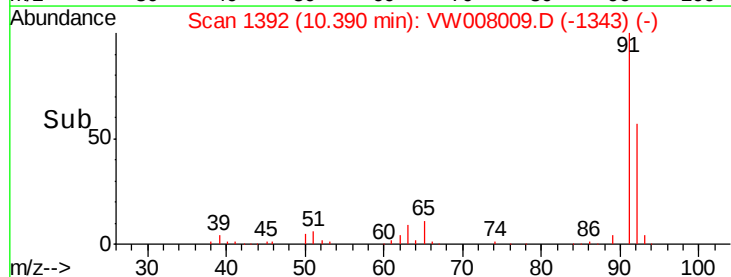
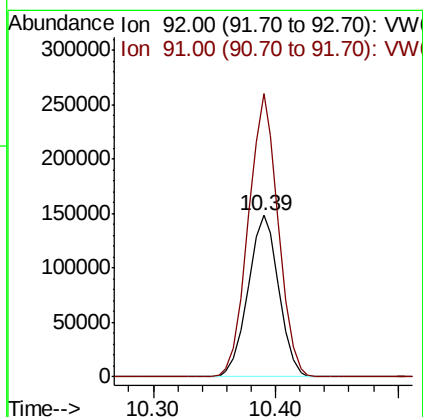
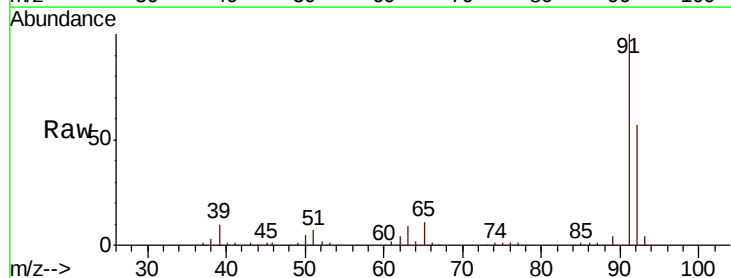
Acq: 02 Jan 2019 15:02

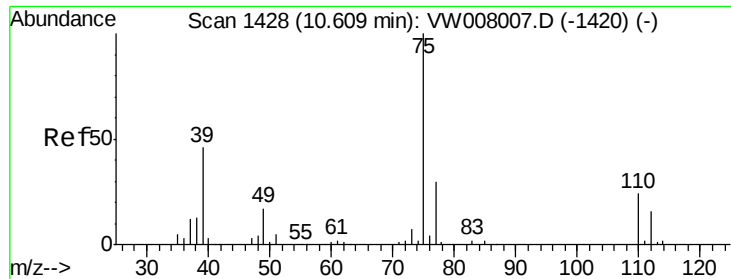
Tgt Ion: 92 Resp: 258197

Ion Ratio Lower Upper

92 100

91 170.6 136.9 205.3





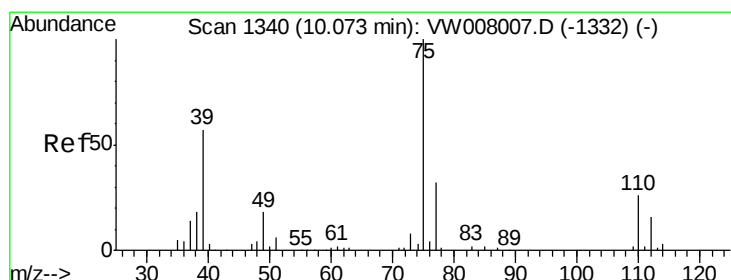
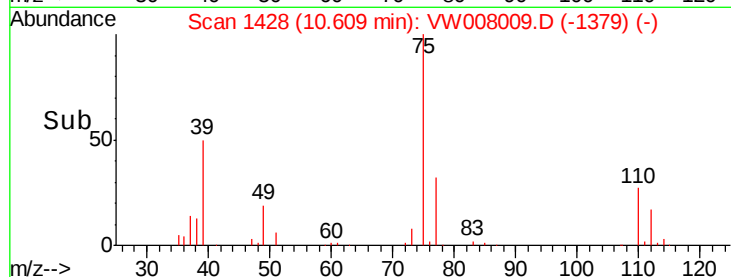
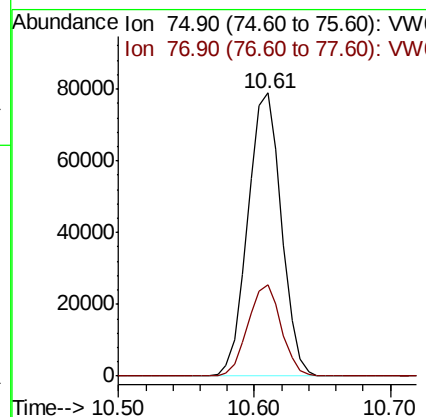
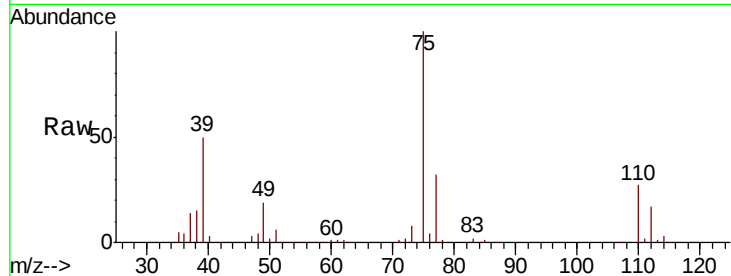
#53
t-1,3-Dichloropropene
Concen: 149.130 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 136550
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

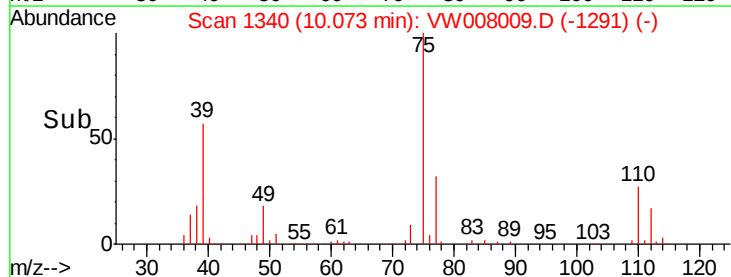
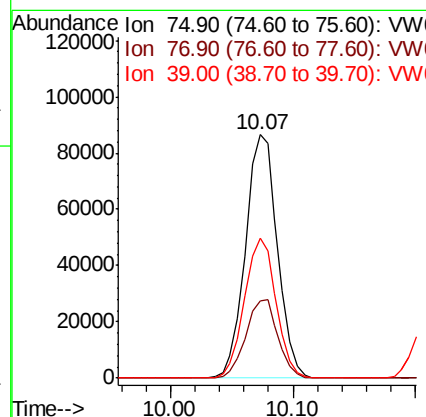
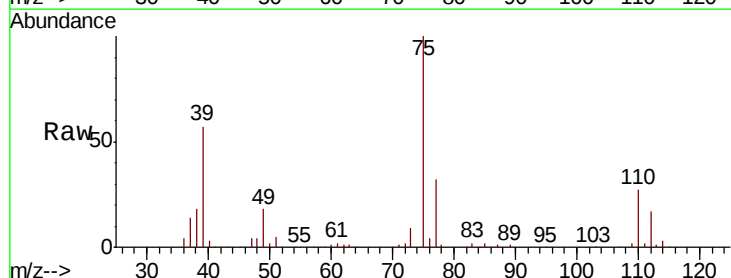
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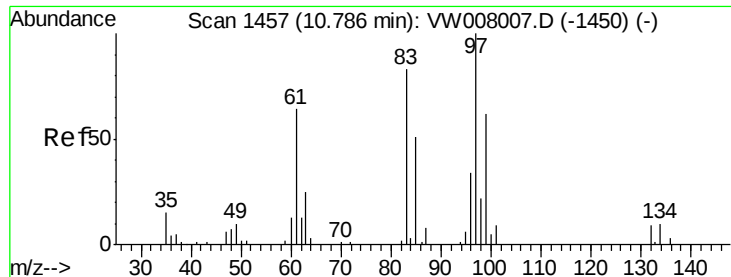
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 153.298 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion: 75 Resp: 156632
Ion Ratio Lower Upper
75 100
77 31.5 25.9 38.9
39 57.3 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 143.898 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

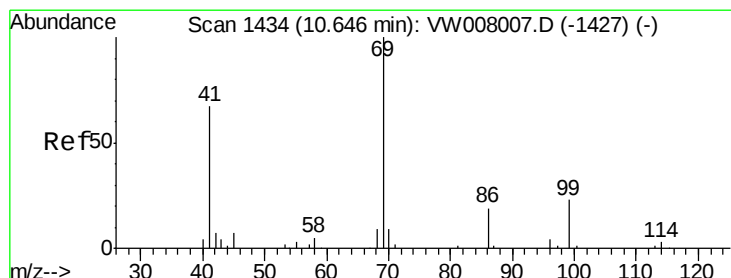
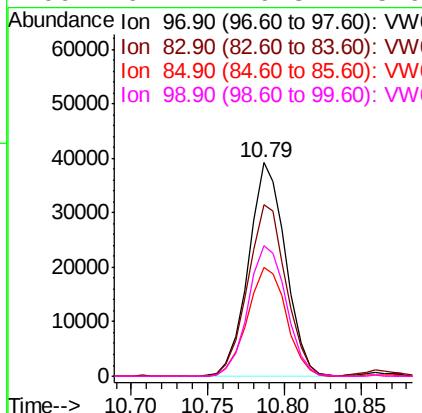
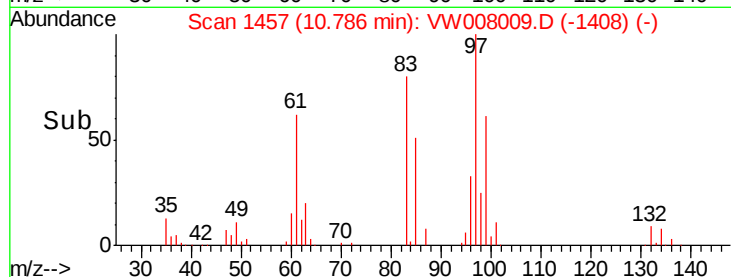
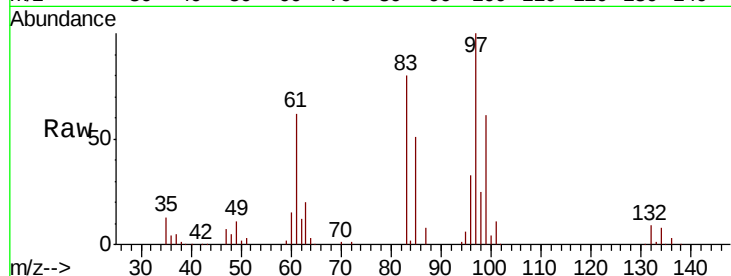
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	66237
Ion	Ratio	Lower	Upper
97	100		
83	80.3	66.2	99.2
85	50.9	41.0	61.4
99	61.2	49.3	73.9

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#56

Ethyl methacrylate

Concen: 153.982 ug/l

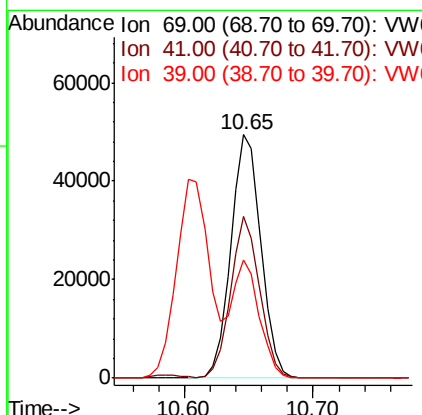
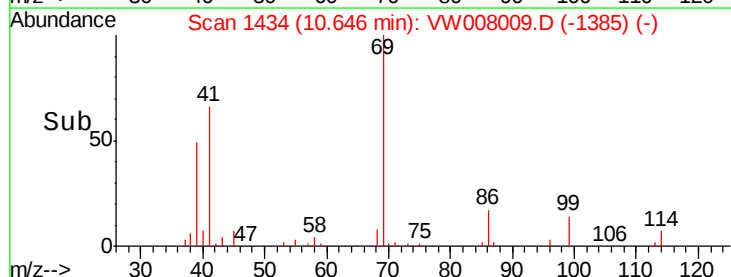
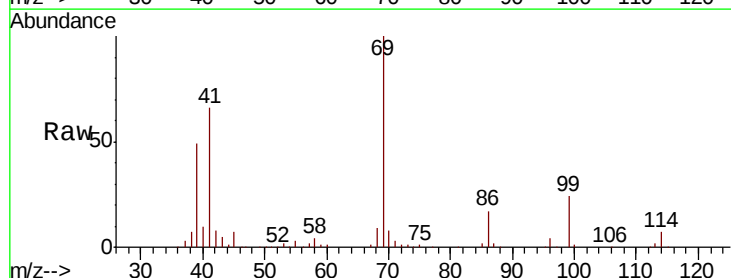
RT: 10.65 min Scan# 1434

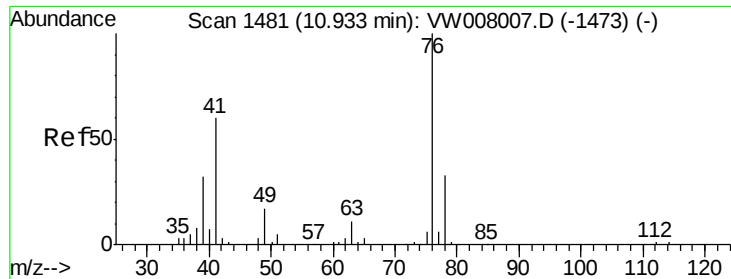
Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion:	69	Resp:	80129
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.6	79.0
39	45.9	35.8	53.6





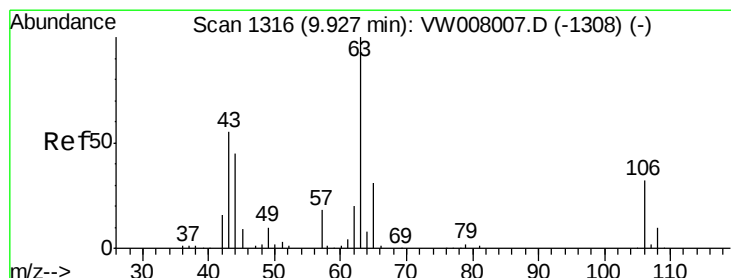
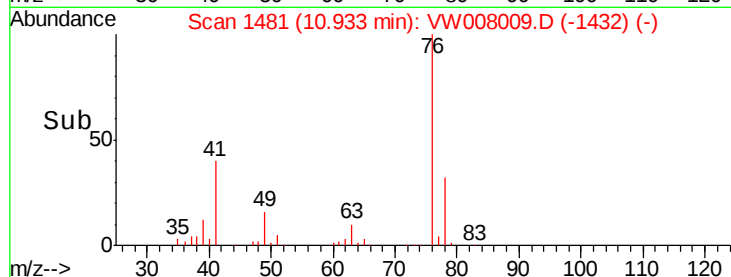
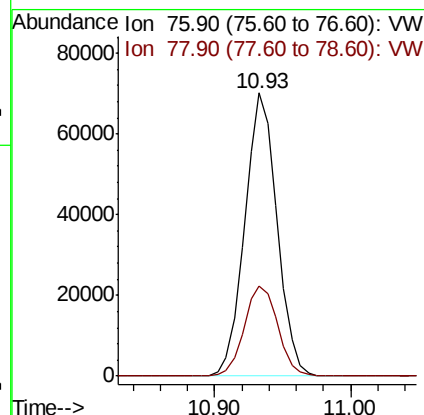
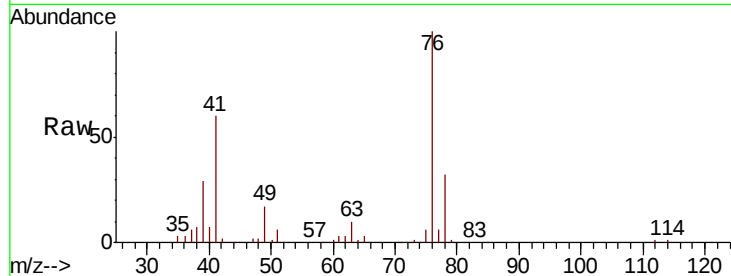
#57
 1,3-Dichloropropane
 Concen: 148.316 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 116005
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.7 40.1

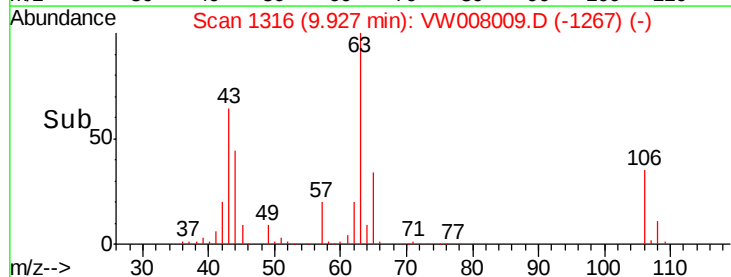
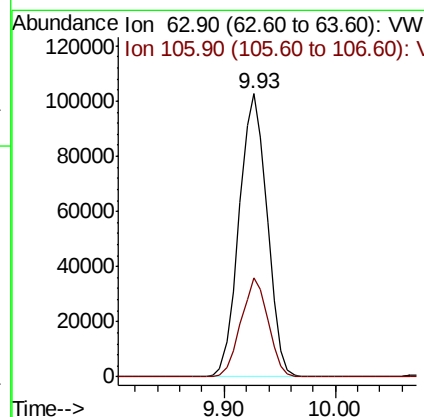
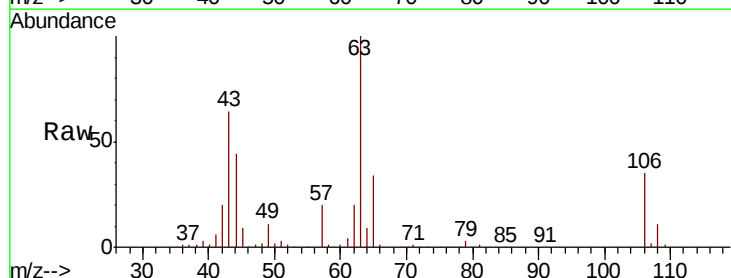
Manual Integrations
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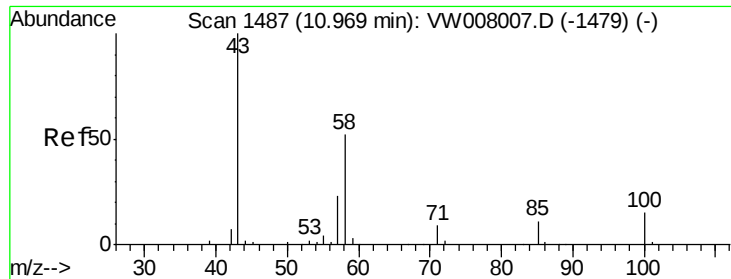
MMDadoda
 1/3/2019 10:55:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 722.079 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion: 63 Resp: 178205
 Ion Ratio Lower Upper
 63 100
 106 34.1 26.9 40.3





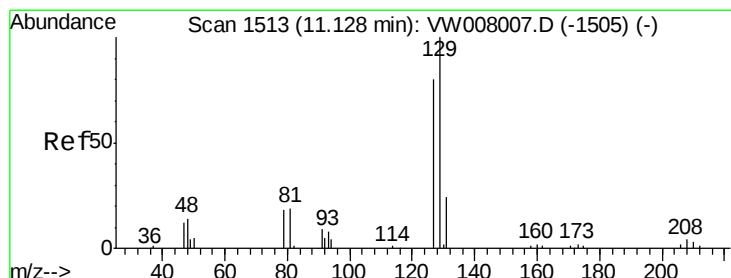
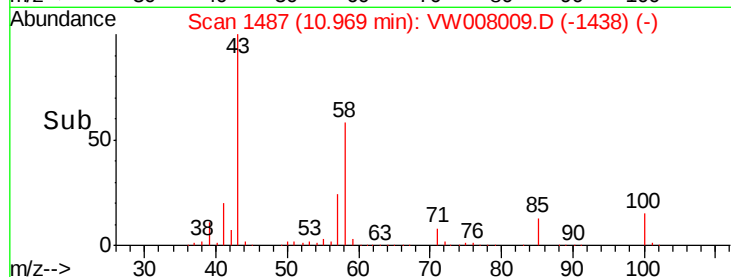
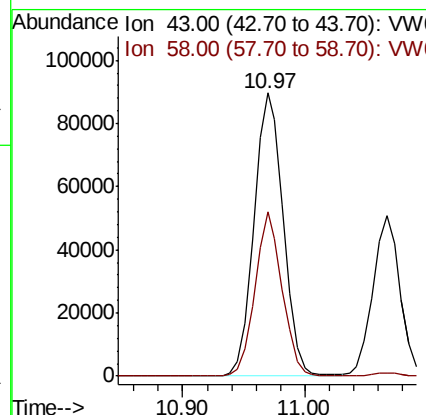
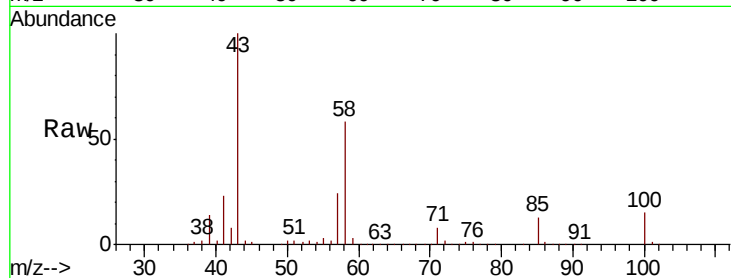
#59
2-Hexanone
Concen: 763.517 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.1	81.2

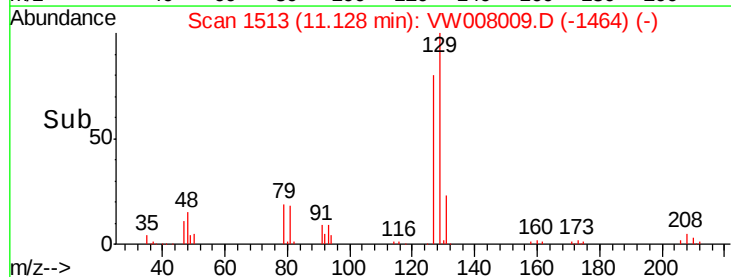
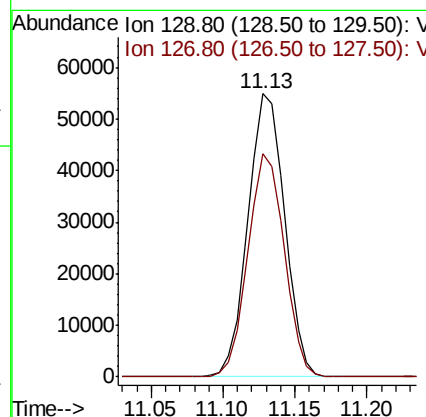
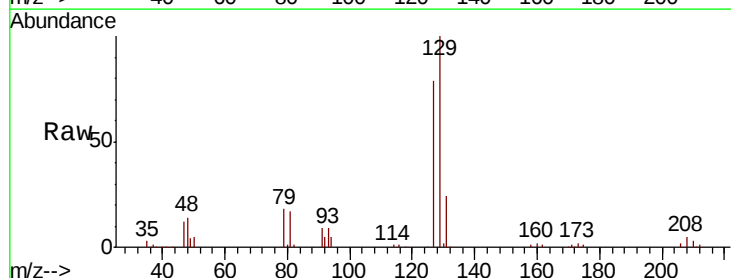
Manual Integrations
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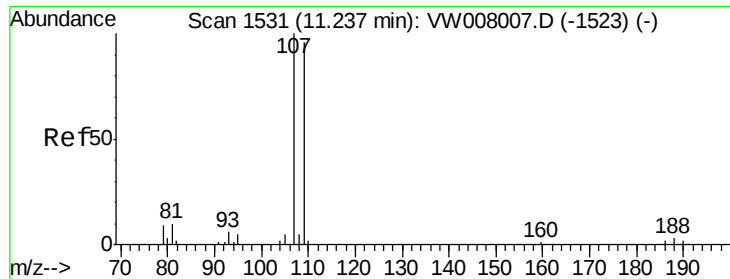
MMDadoda
1/3/2019 10:55:37 AM



#60
Dibromochloromethane
Concen: 153.563 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.6	116.0





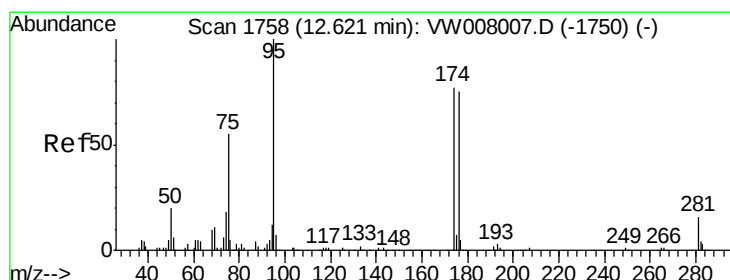
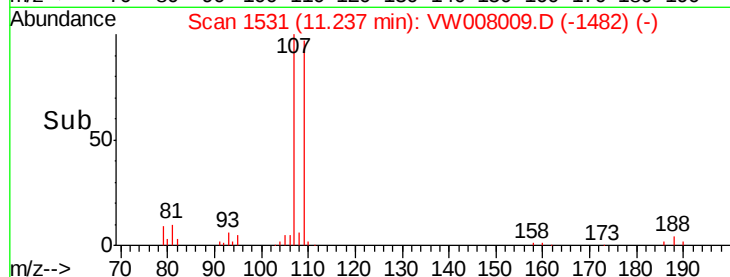
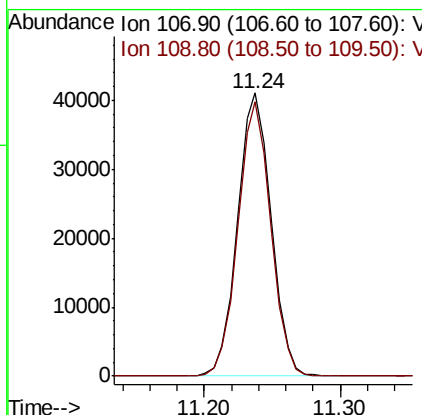
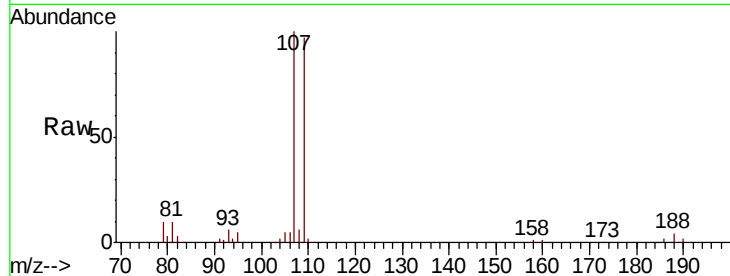
#61
 1,2-Dibromoethane
 Concen: 153.093 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	77.2	115.8

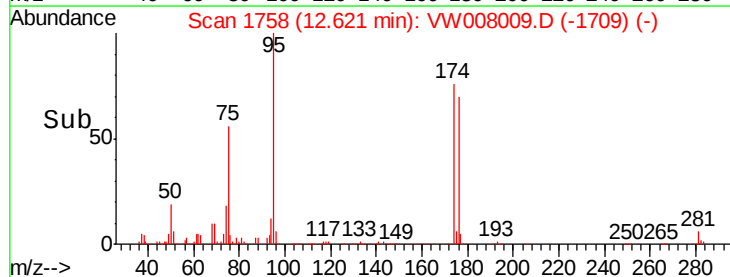
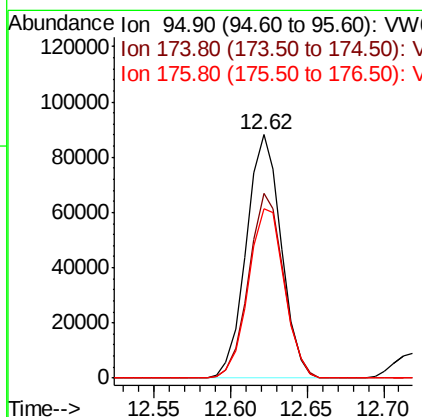
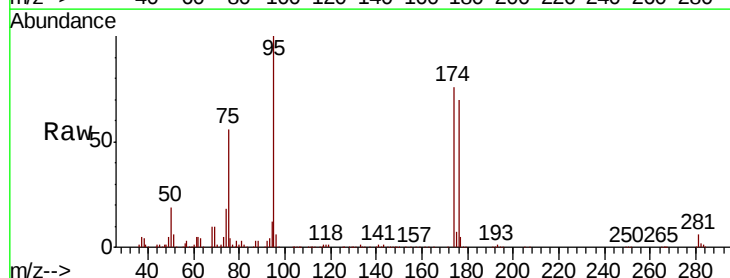
Manual Integrations
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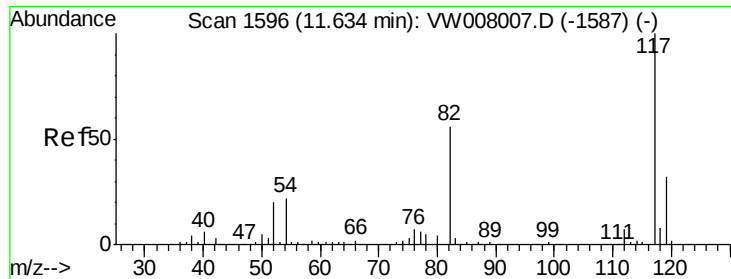
MMDadoda
 1/3/2019 10:55:37 AM



#62
 4-Bromofluorobenzene
 Concen: 149.419 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	149.6
176	72.0	0.0	145.4





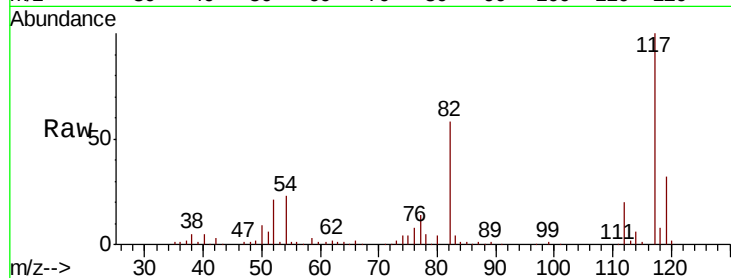
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.8	67.2
119	32.0	25.6	38.4

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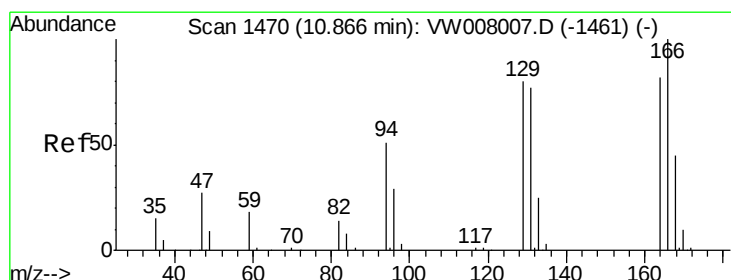
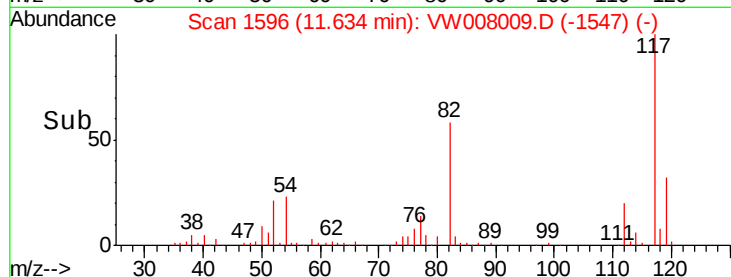
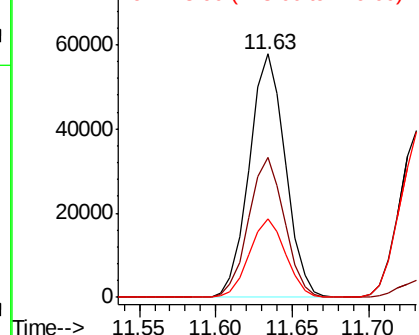


Abundance

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: 143.204 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.2	98.1	147.1
129	101.1	78.0	117.0
131	97.9	75.8	113.8

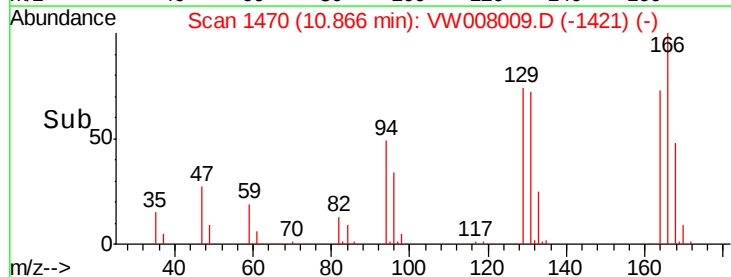
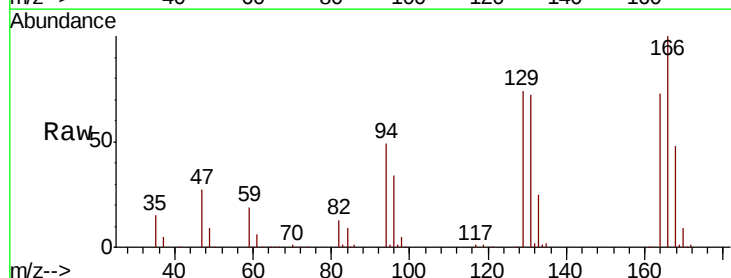
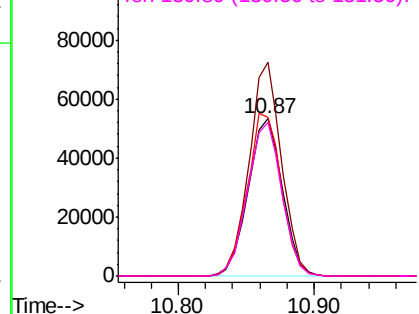
Abundance

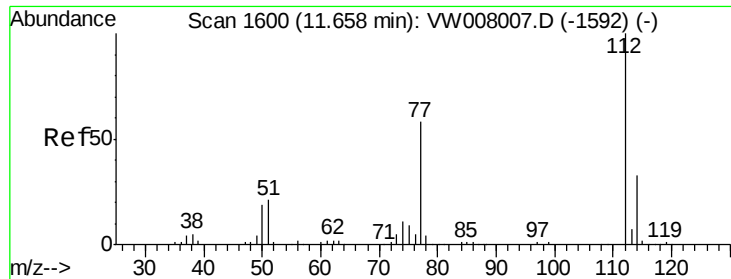
Ion 163.80 (163.50 to 164.50): V

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: 148.076 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 300047

Ion Ratio Lower Upper

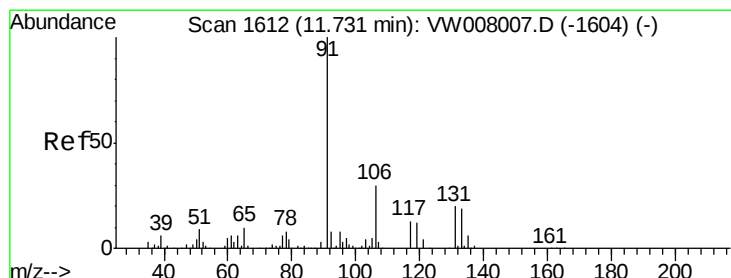
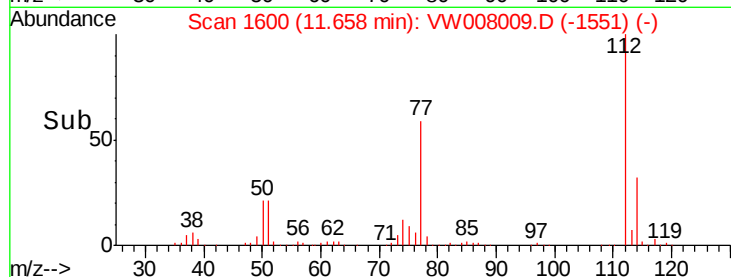
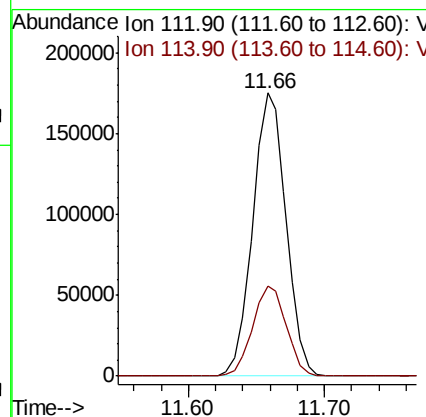
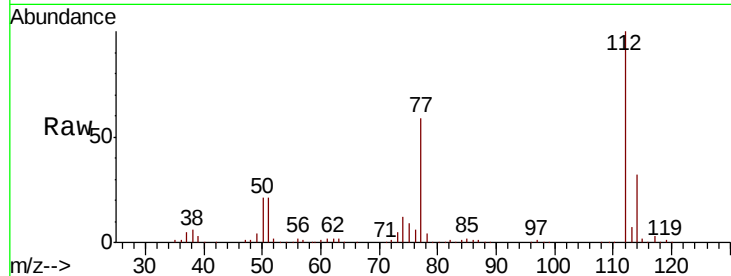
112 100

114 31.8 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 146.907 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

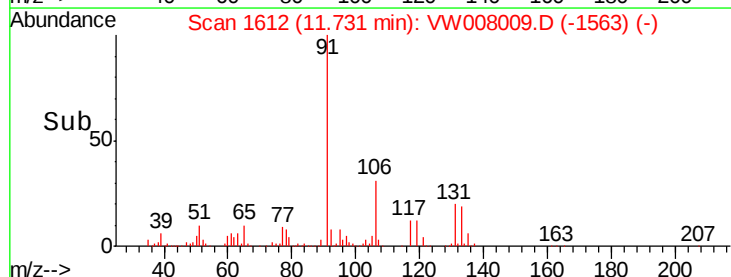
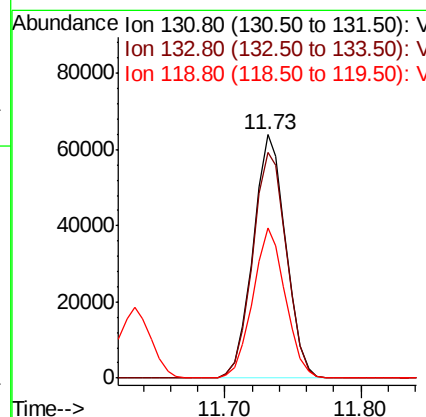
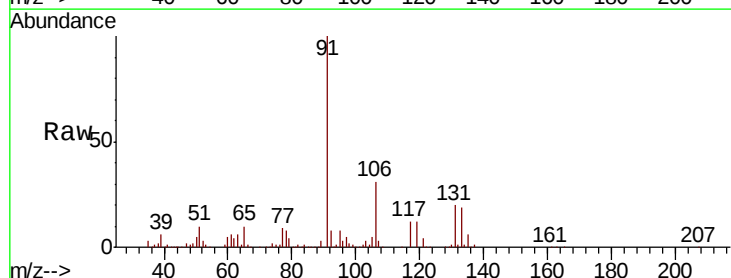
Tgt Ion:131 Resp: 107800

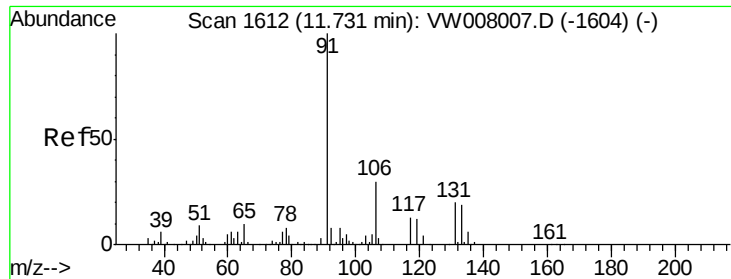
Ion Ratio Lower Upper

131 100

133 95.8 49.1 147.3

119 61.1 30.6 91.6





#67

Ethyl Benzene

Concen: 148.841 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 535328

Ion Ratio Lower Upper

91 100

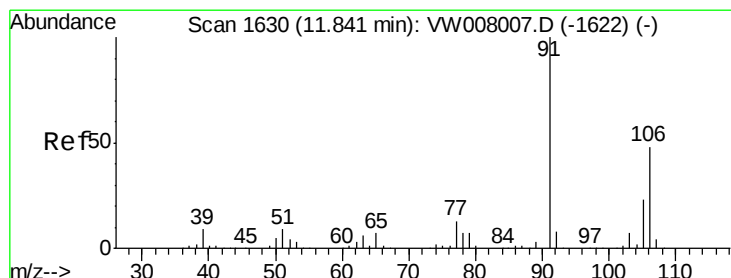
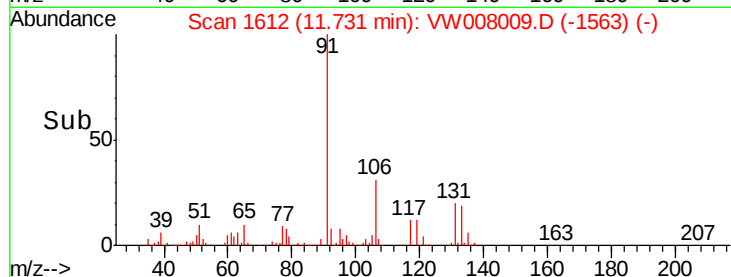
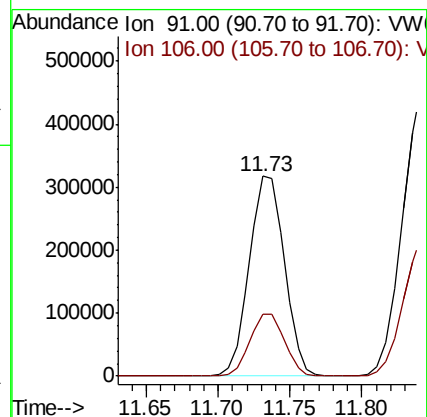
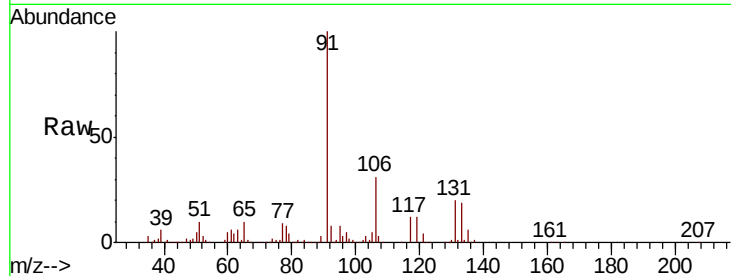
106 30.8 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 292.372 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008009.D

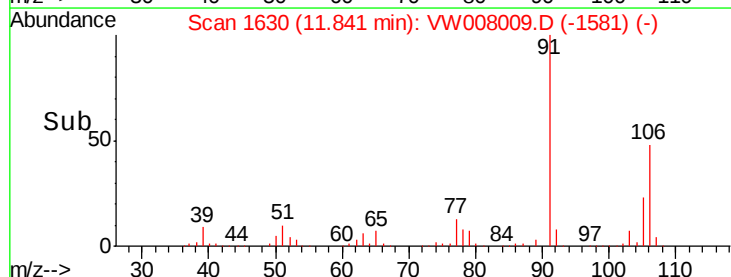
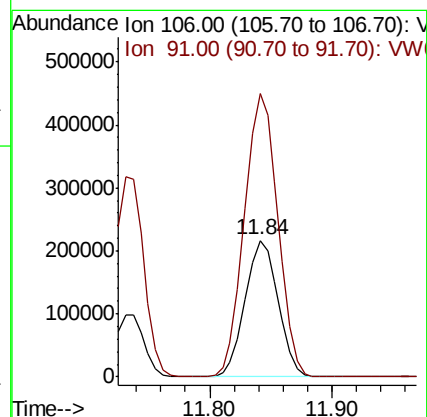
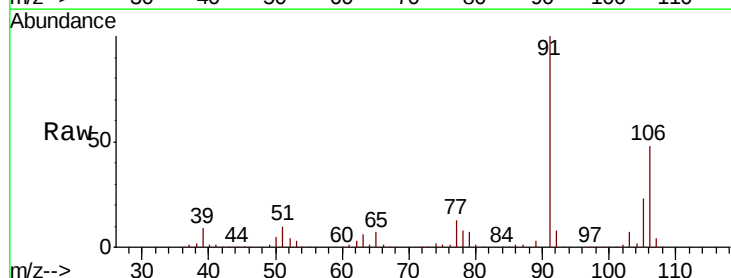
Acq: 02 Jan 2019 15:02

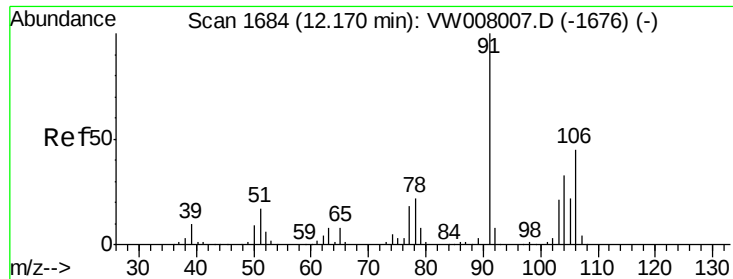
Tgt Ion: 106 Resp: 406540

Ion Ratio Lower Upper

106 100

91 210.1 165.8 248.8





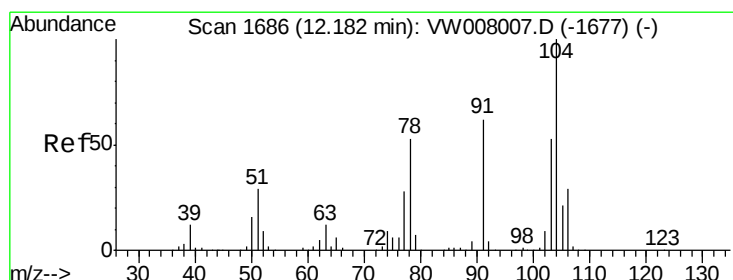
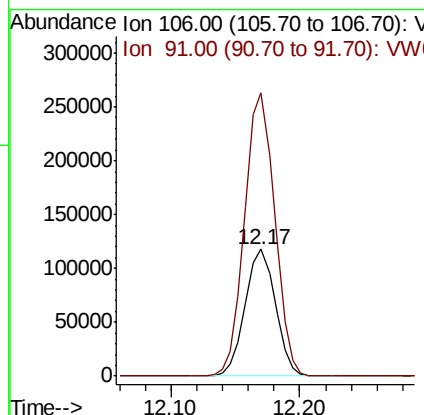
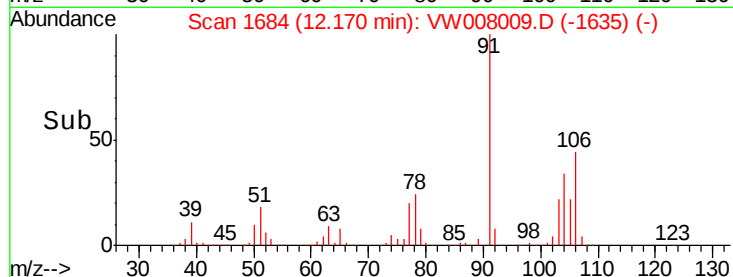
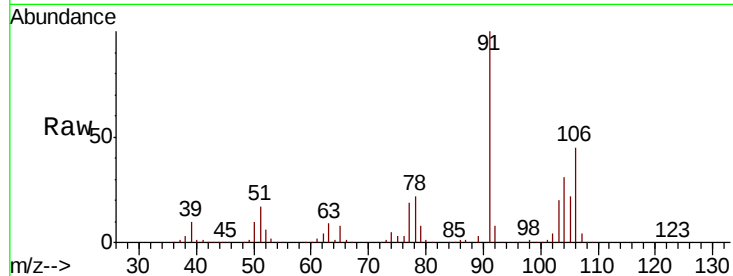
#69
o-Xylene
Concen: 147.957 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 191434
Ion Ratio Lower Upper
106 100
91 222.6 110.6 331.6

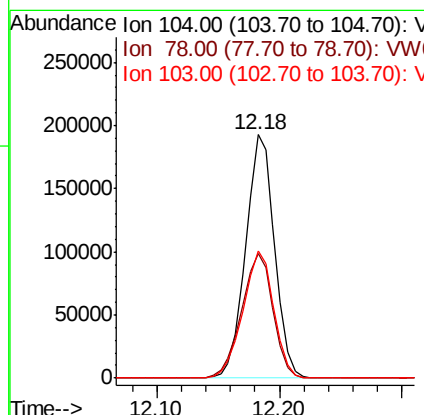
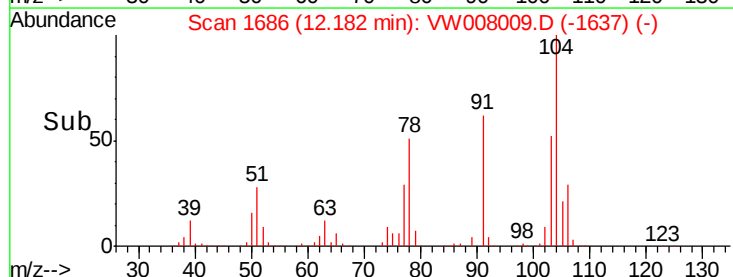
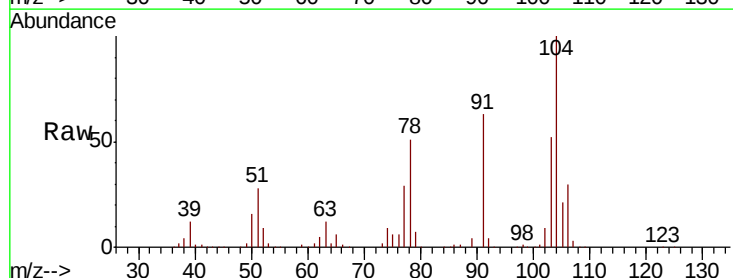
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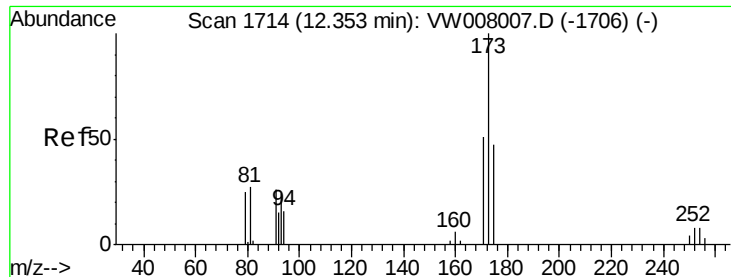
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#70
Styrene
Concen: 149.126 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion:104 Resp: 314483
Ion Ratio Lower Upper
104 100
78 55.8 44.0 66.0
103 55.9 44.6 66.8





#71

Bromoform

Concen: 156.553 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 53223

Ion Ratio Lower Upper

173 100

175 48.4 23.6 71.0

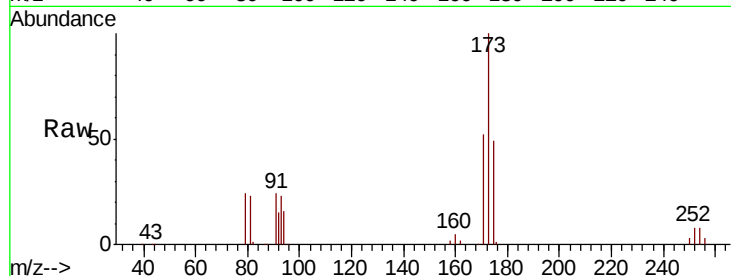
254 0.0 0.0 0.0

Manual Integrations

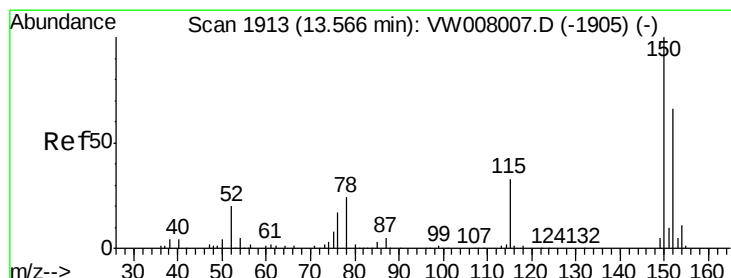
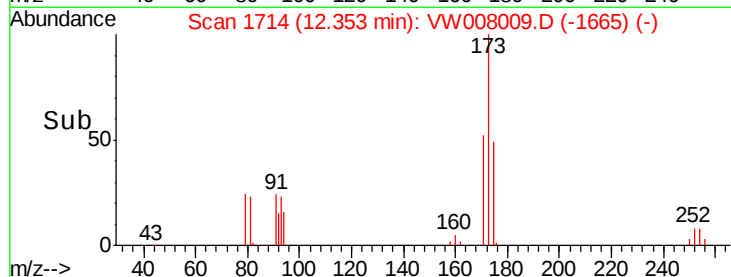
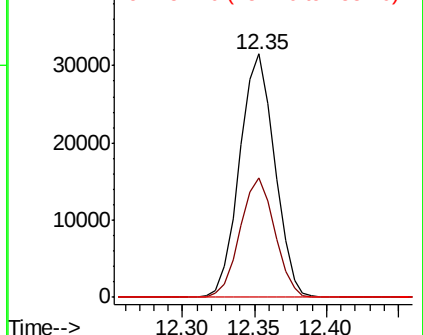
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

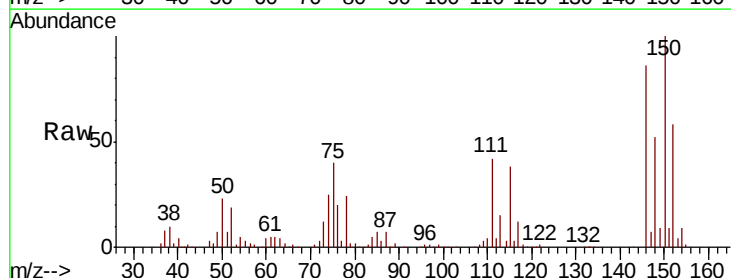
Tgt Ion:152 Resp: 45164

Ion Ratio Lower Upper

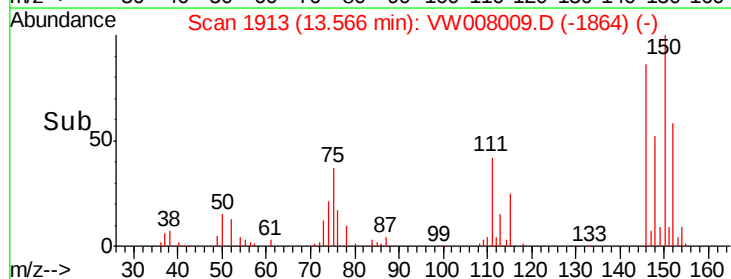
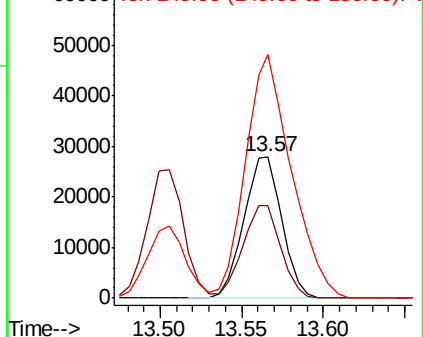
152 100

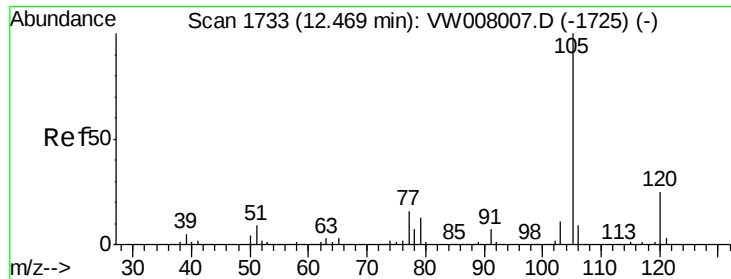
115 65.3 32.1 96.5

150 208.6 0.0 345.0



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





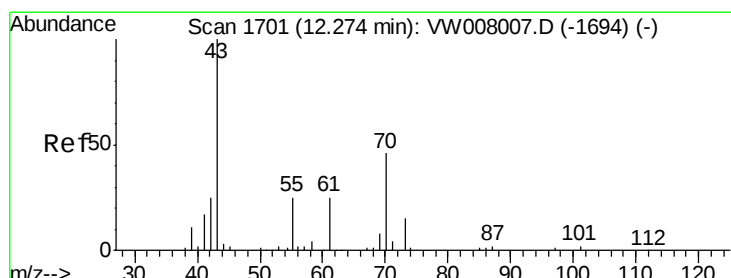
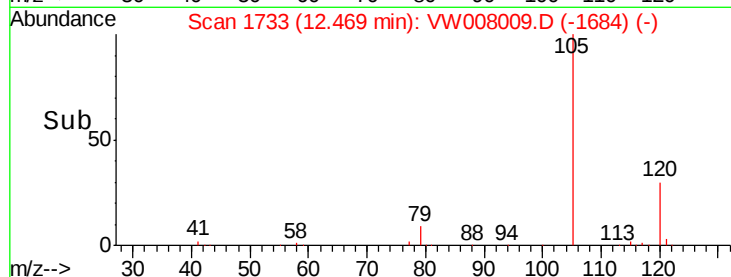
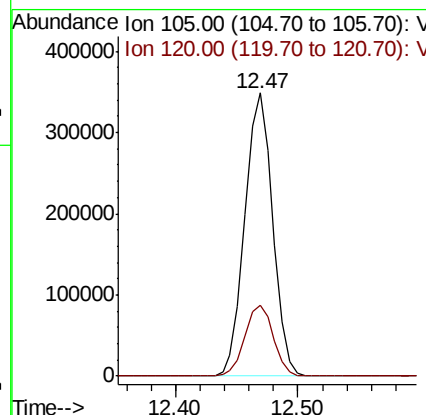
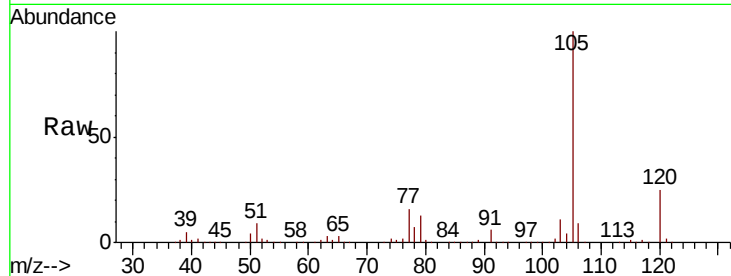
#73
Isopropylbenzene
Concen: 152.968 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 549359
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3

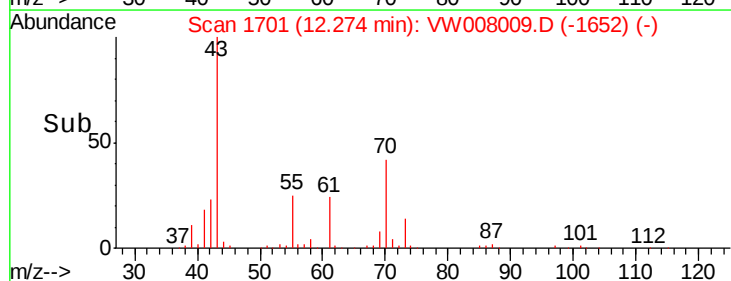
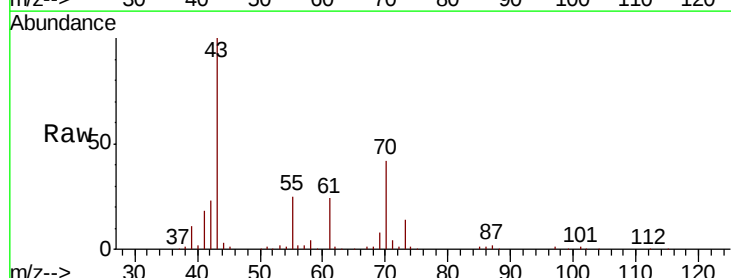
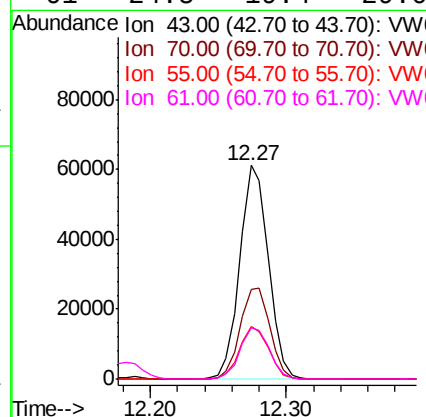
Manual Integrations
APPROVED

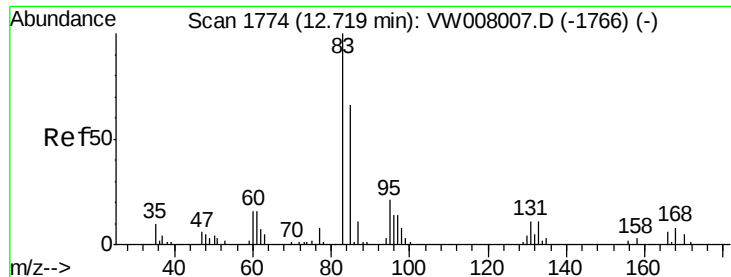
MMDadoda
1/3/2019 10:55:37 AM



#74
N-ethyl acetate
Concen: 160.488 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion: 43 Resp: 89718
Ion Ratio Lower Upper
43 100
70 44.2 35.2 52.8
55 25.1 21.4 32.0
61 24.5 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 152.363 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

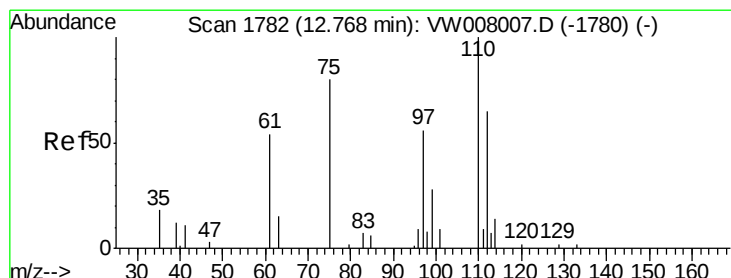
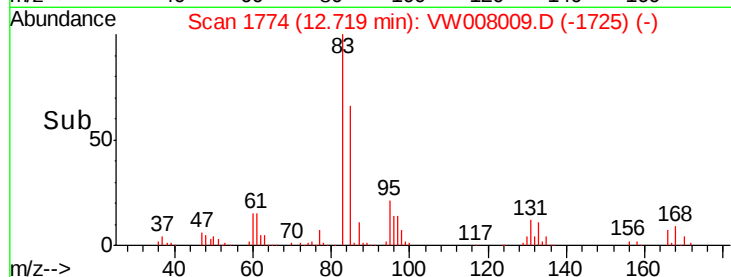
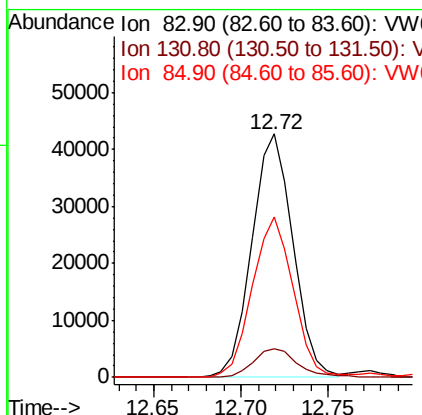
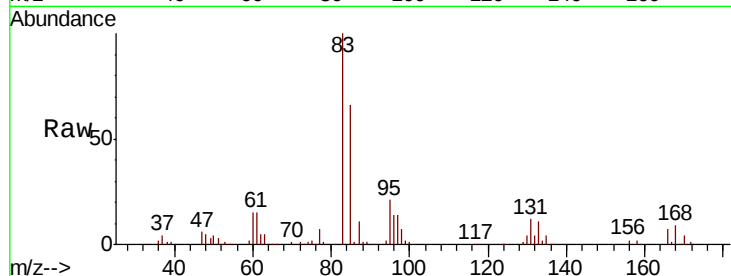
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	69623
Ion Ratio	Lower	Upper	
83	100		
131	12.9	6.5	19.5
85	65.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 74.224 ug/l m

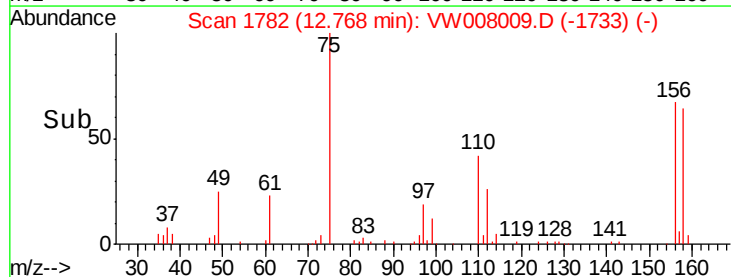
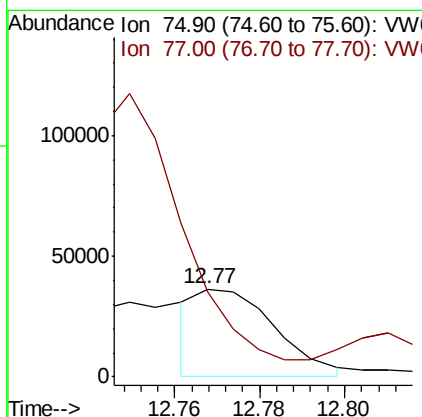
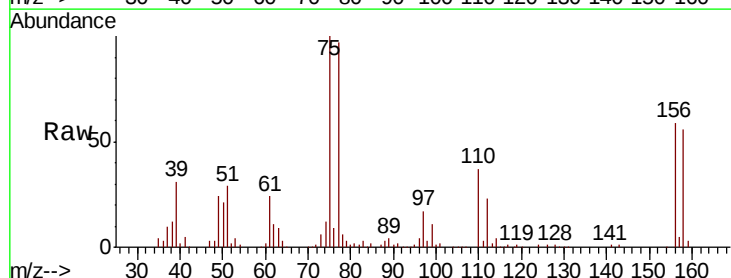
RT: 12.77 min Scan# 1782

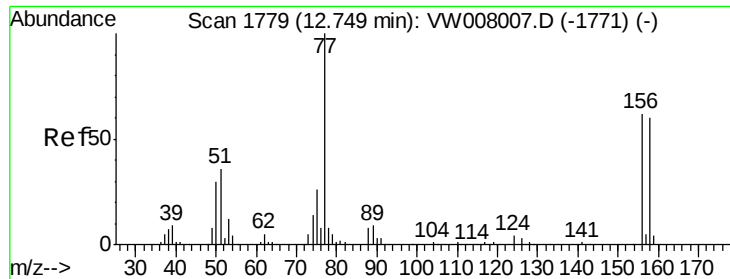
Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion:	75	Resp:	46695
Ion Ratio	Lower	Upper	
75	100		
77	452.5	186.2	558.6





#77

Bromobenzene

Concen: 153.361 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

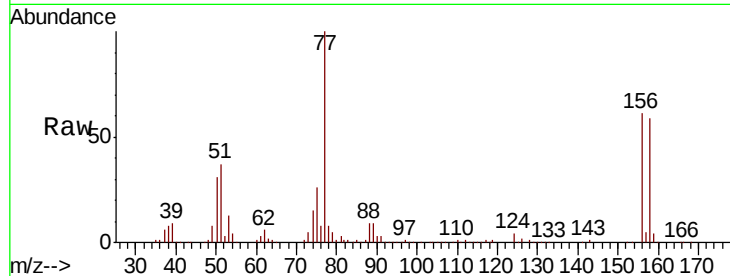
ClientSampleId :

VSTDIC150

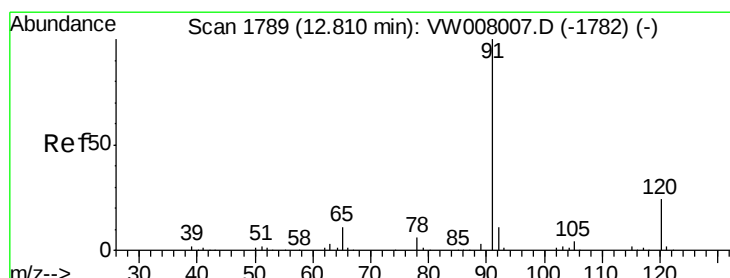
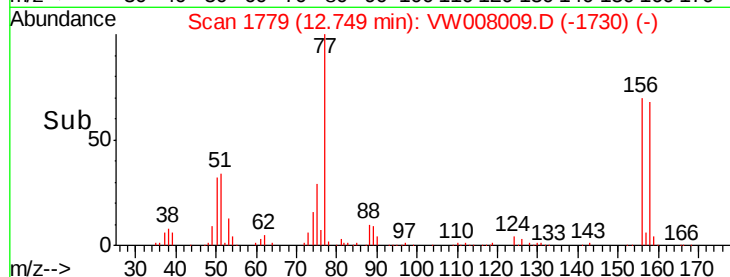
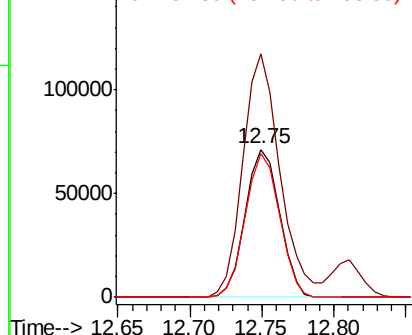
Tot Ion:	156	Resp:	118382
Ion Ratio	Lower	Upper	
156	100		
77	178.5	87.9	263.8
158	96.6	47.8	143.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 150.939 ug/l

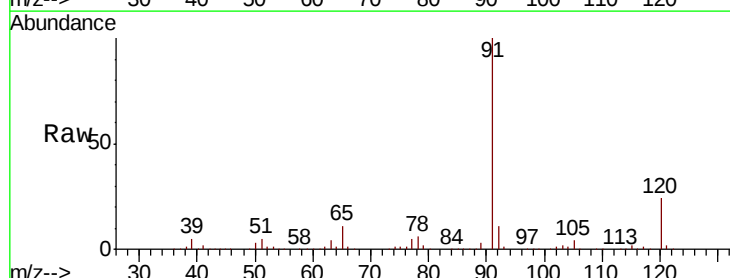
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

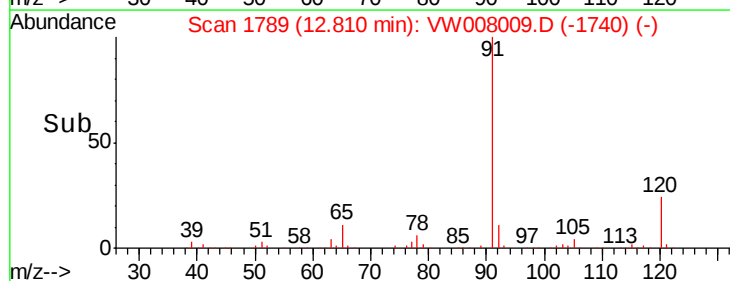
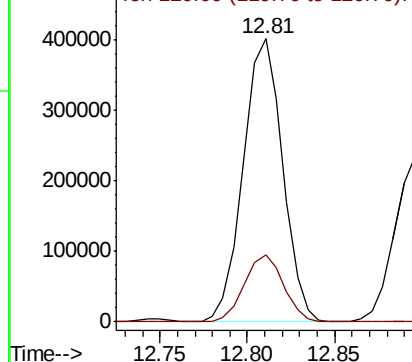
Lab File: VW008009.D

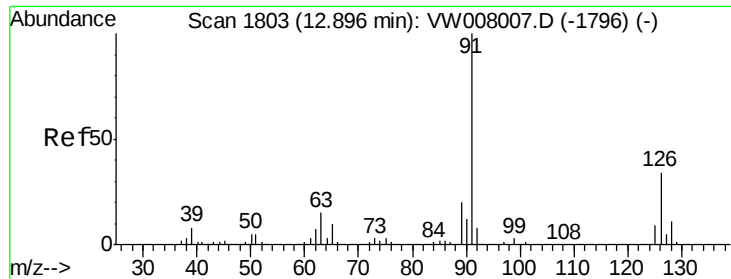
Acq: 02 Jan 2019 15:02

Tgt Ion:	91	Resp:	628486
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





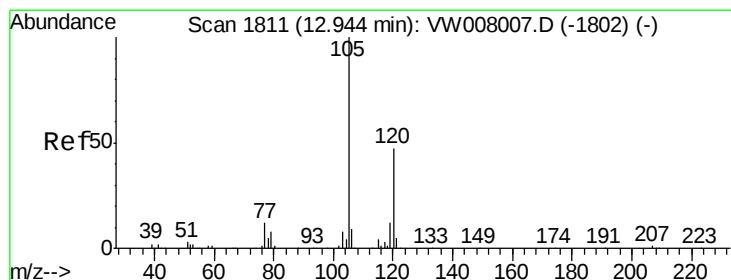
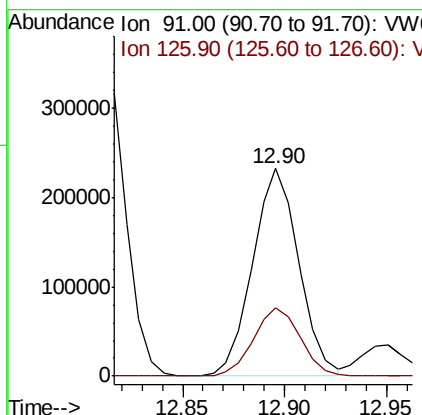
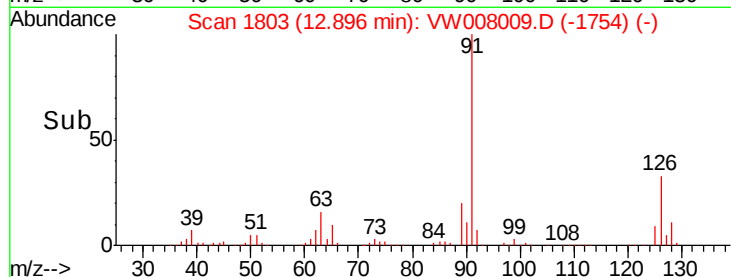
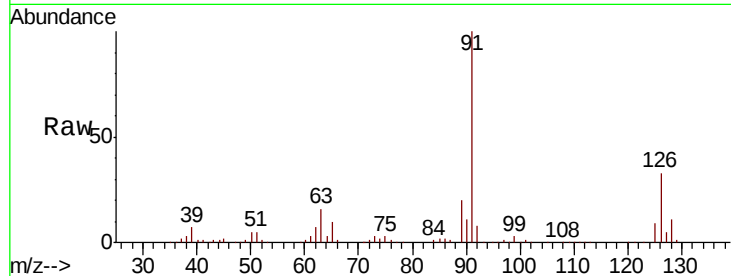
#79
 2-Chlorotoluene
 Concen: 151.914 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 91 Resp: 365585
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.1 51.2

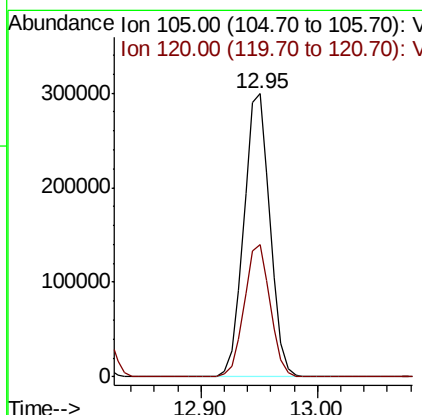
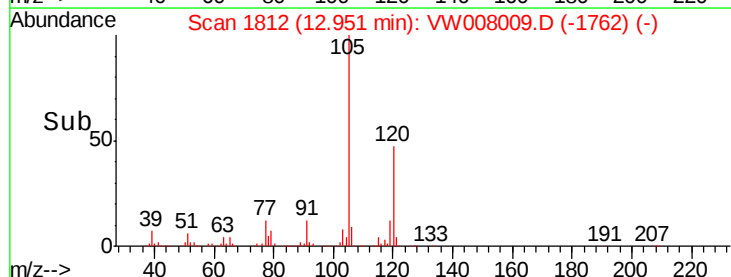
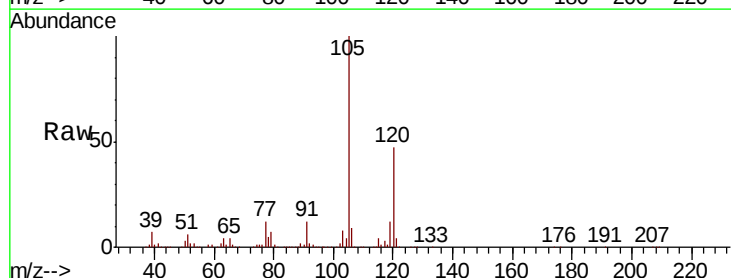
Manual Integrations
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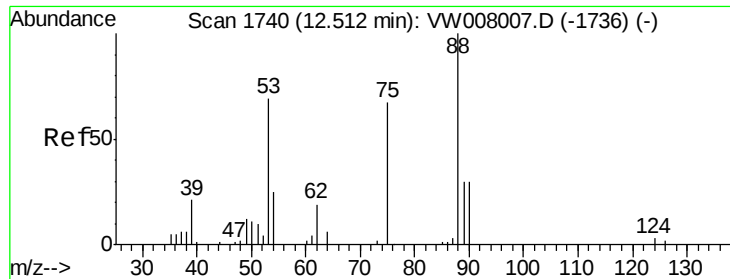
MMDadoda
 1/3/2019 10:55:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 151.021 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion: 105 Resp: 466855
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9





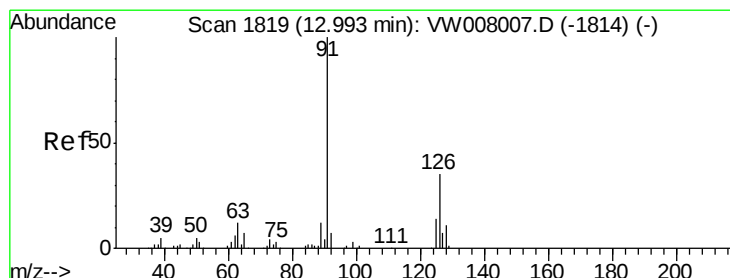
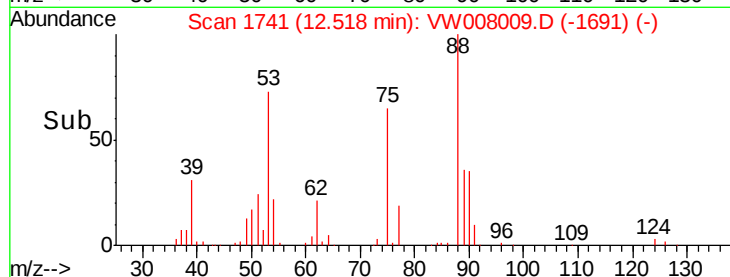
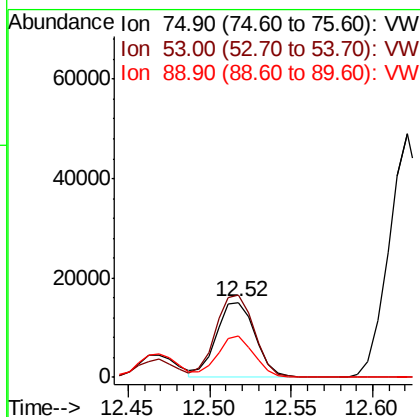
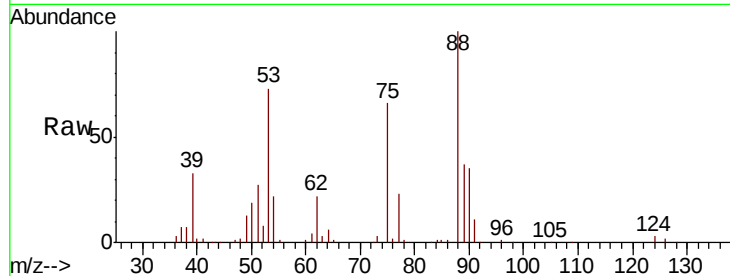
#81
trans-1,4-Dichloro-2-butene
Concen: 164.696 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	87.6	131.4
89	50.8	42.2	63.2

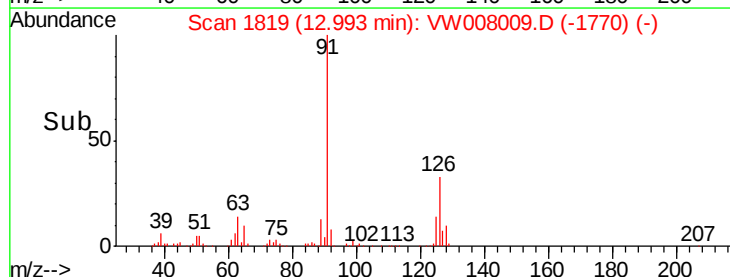
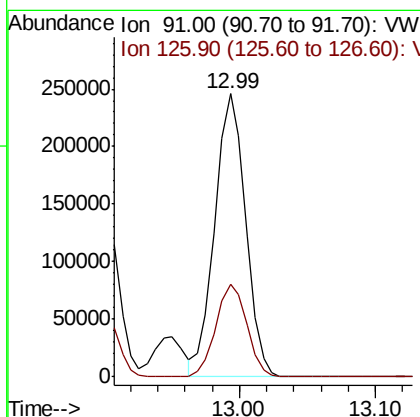
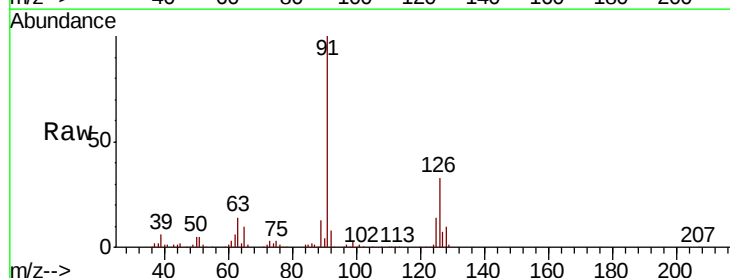
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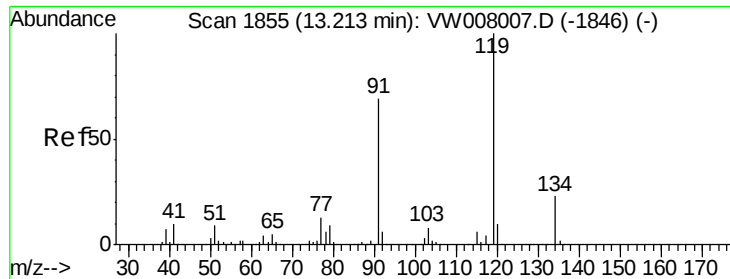
MMDadoda
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#82
4-Chlorotoluene
Concen: 151.039 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.7	50.1





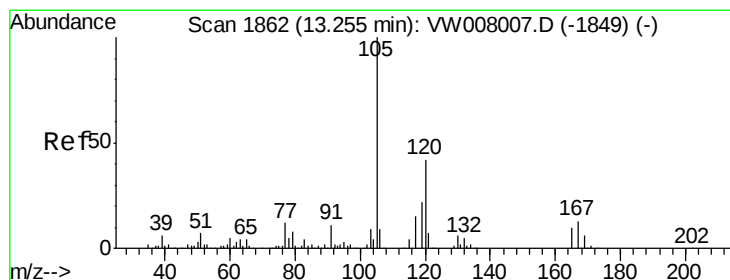
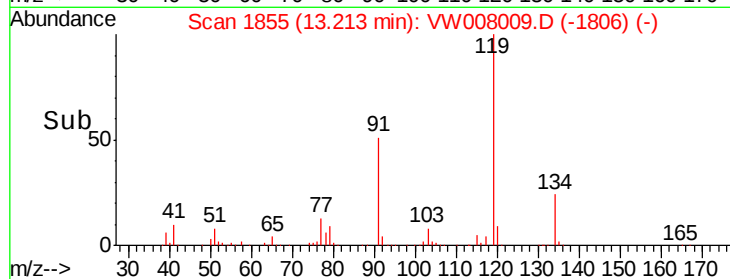
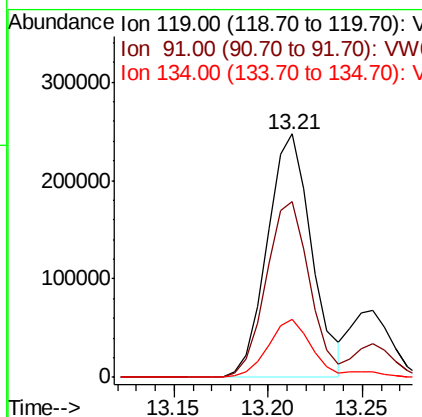
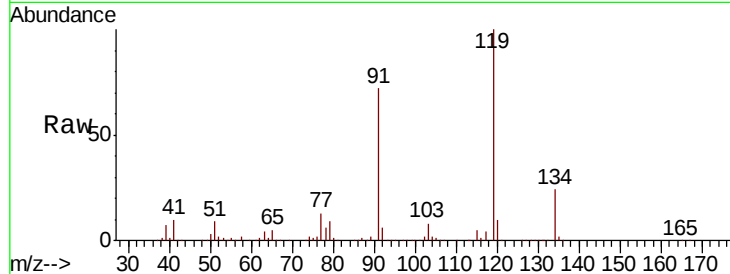
#83
tert-Butylbenzene
Concen: 149.528 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.7	104.1
134	24.6	11.5	34.4

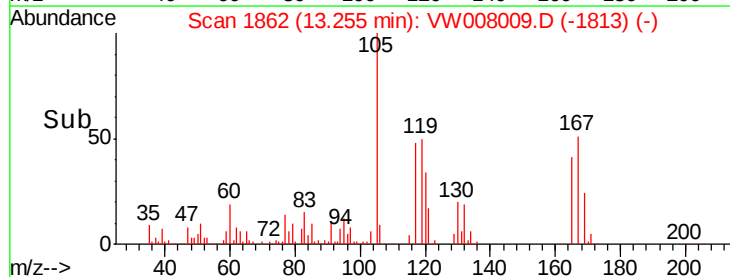
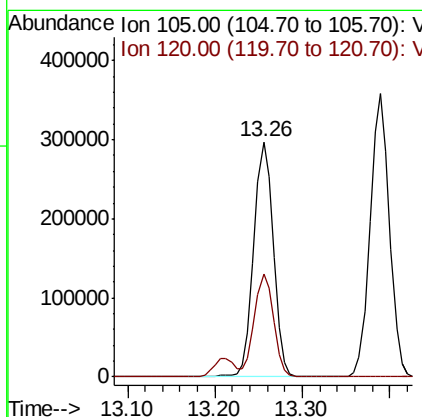
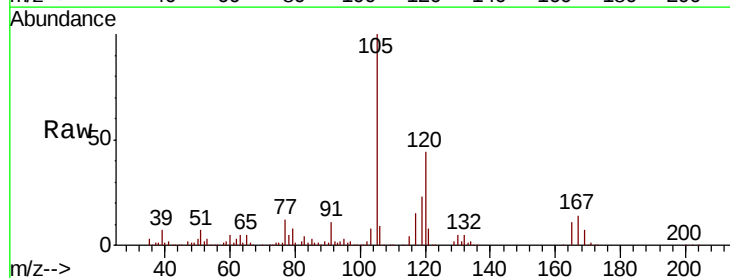
Manual Integrations
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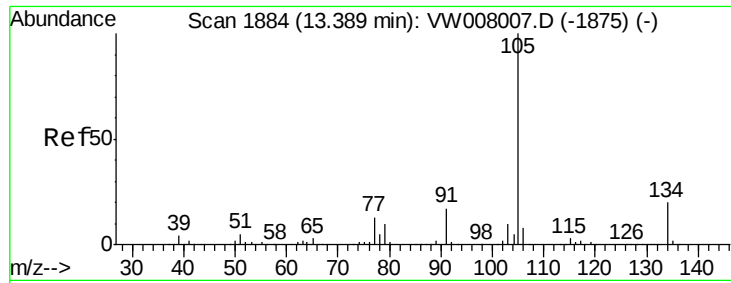
MMDadoda
1/3/2019 10:55:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 147.253 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.5	64.5





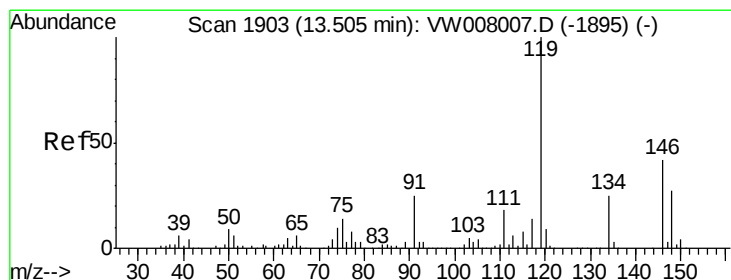
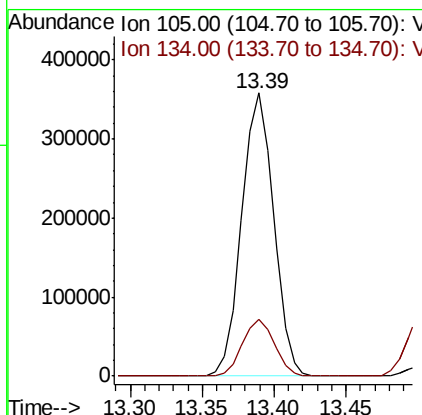
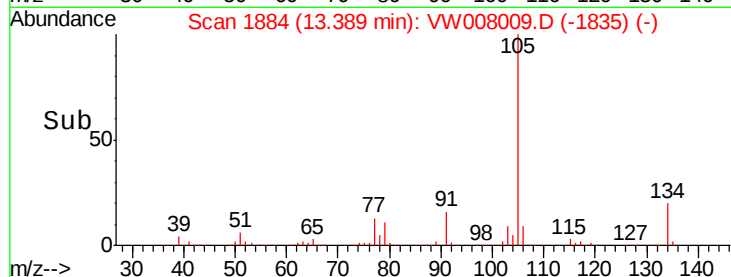
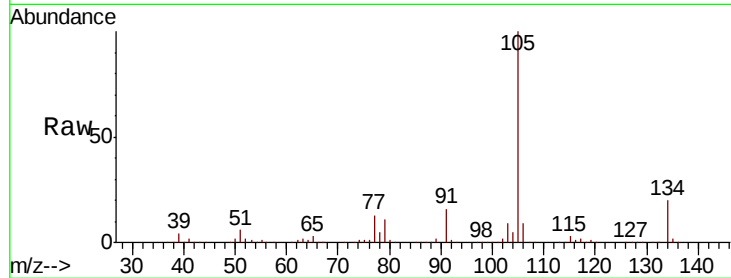
#85
 sec-Butylbenzene
 Concen: 148.243 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 551545
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 28.9

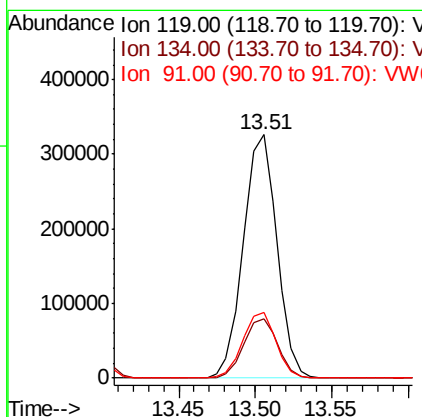
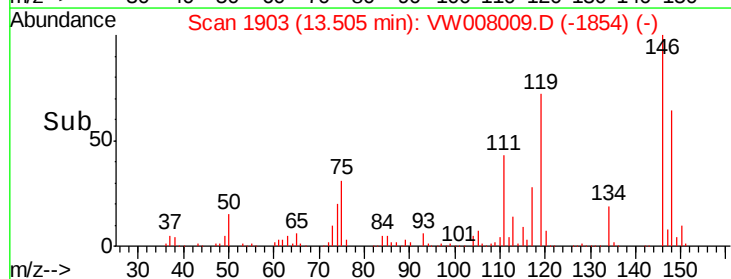
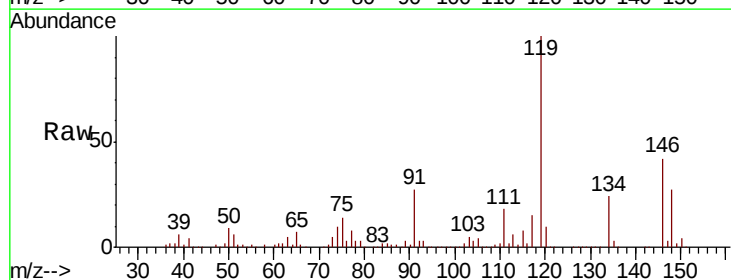
Manual Integrations
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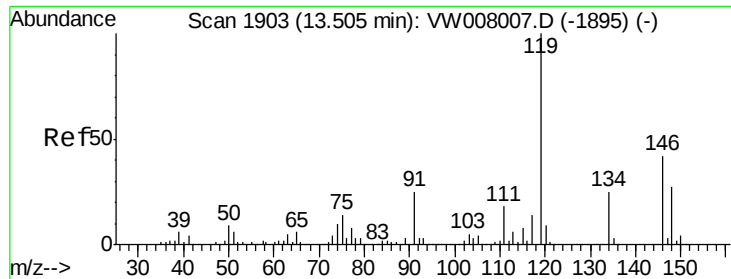
MMDadoda
 1/3/2019 10:55:37 AM



#86
 p-Isopropyltoluene
 Concen: 148.082 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion:119 Resp: 496954
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.5 37.5
 91 26.8 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 144.921 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Instrument :

MSVOA_W

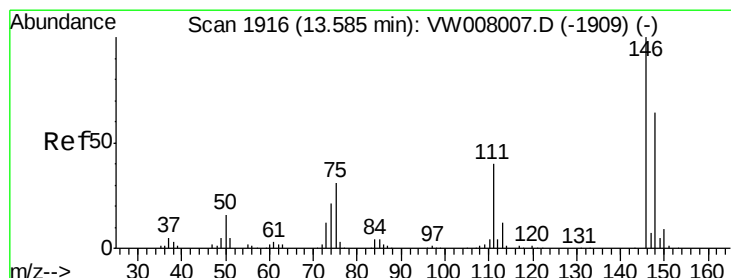
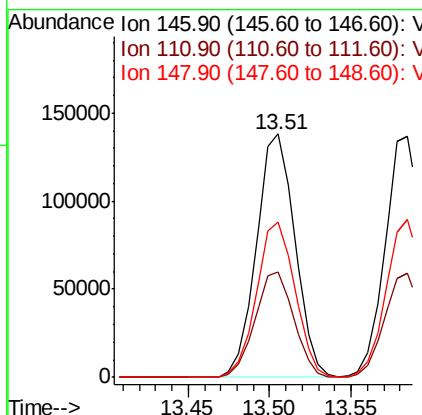
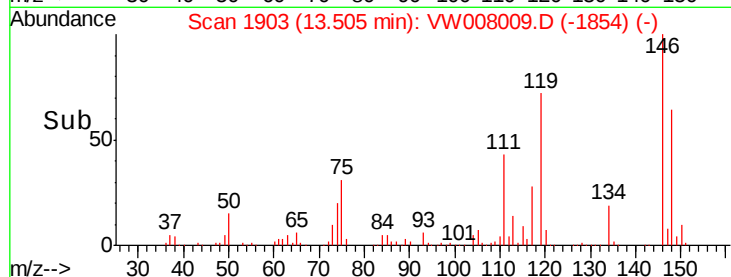
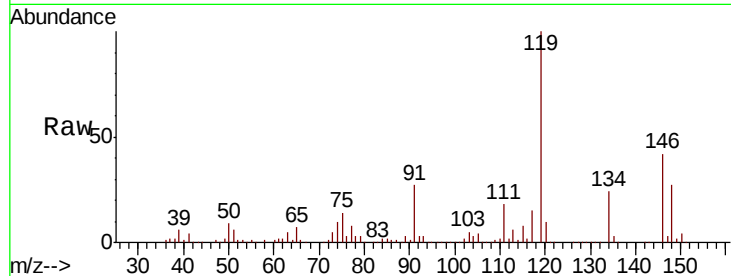
ClientSampled :

VSTDIC150

Tot Ion:	146	Resp:	225715
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.4	64.2
148	63.8	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 145.955 ug/l

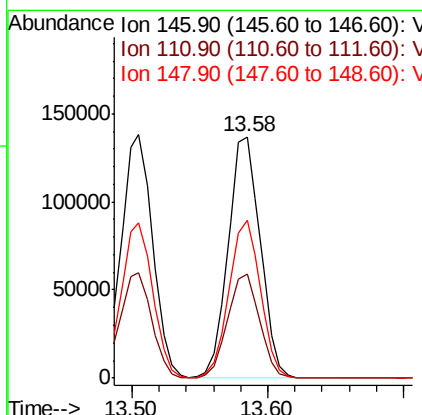
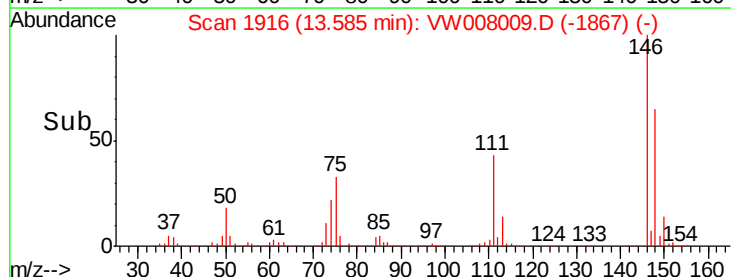
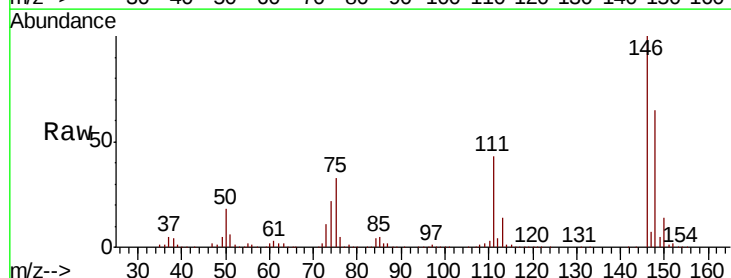
RT: 13.58 min Scan# 1916

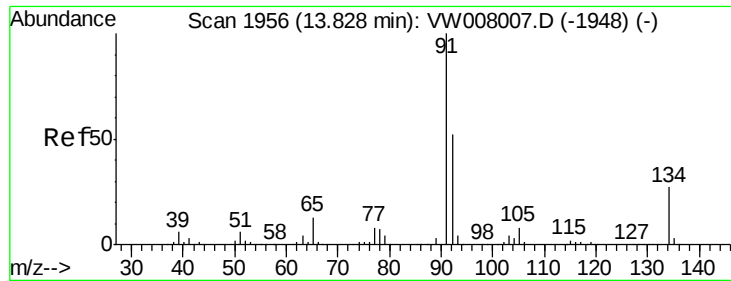
Delta R.T. 0.00 min

Lab File: VW008009.D

Acq: 02 Jan 2019 15:02

Tgt Ion:	146	Resp:	225058
Ion Ratio	Lower	Upper	
146	100		
111	42.9	20.9	62.8
148	64.1	31.9	95.9





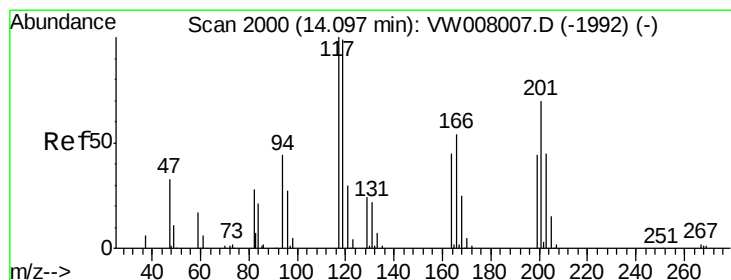
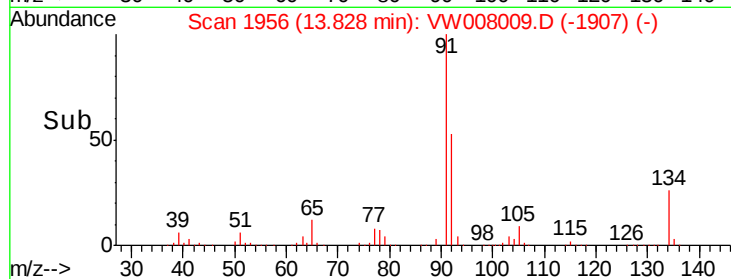
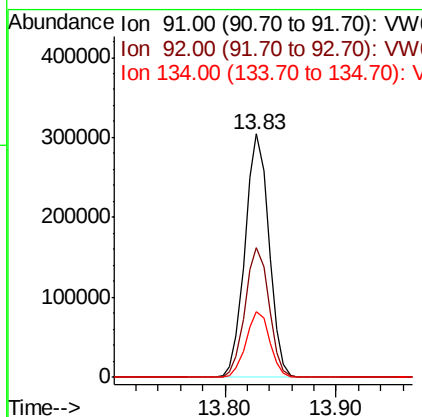
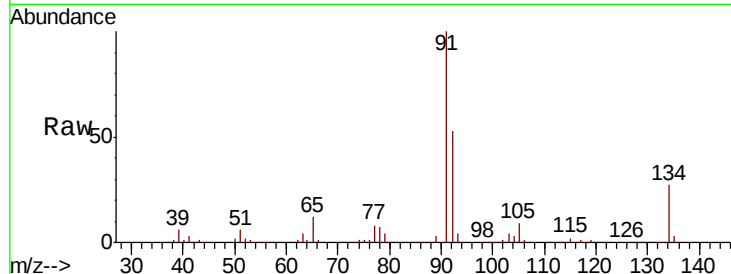
#89
n-Butylbenzene
Concen: 148.662 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	26.7	13.4	40.2

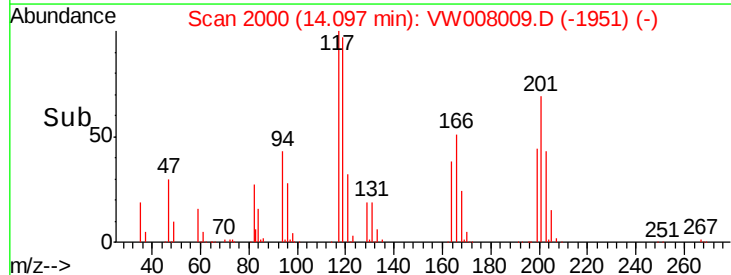
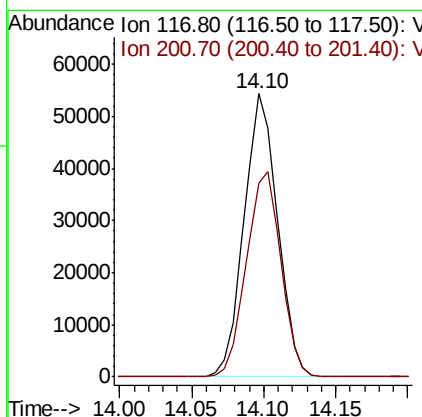
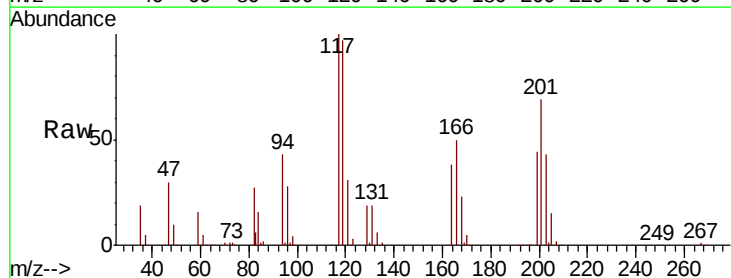
Manual Integrations
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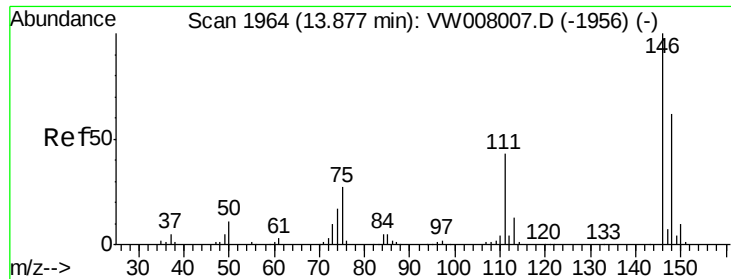
MMDadoda
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#90
Hexachloroethane
Concen: 149.979 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.1	111.5





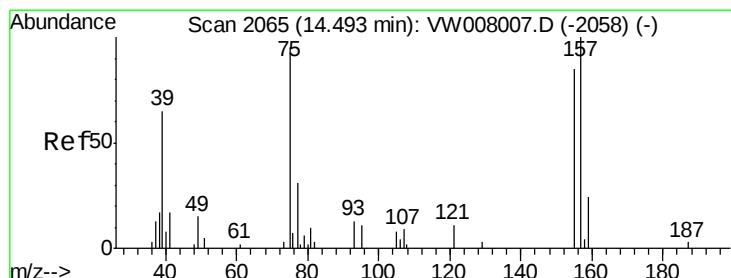
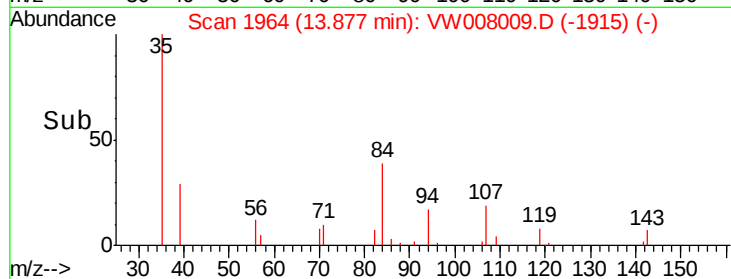
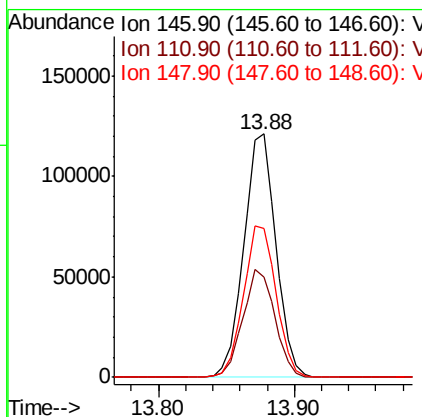
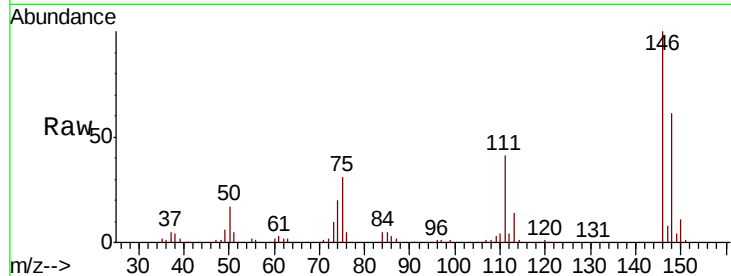
#91
 1,2-Dichlorobenzene
 Concen: 146.179 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.6	67.7
148	63.3	32.1	96.3

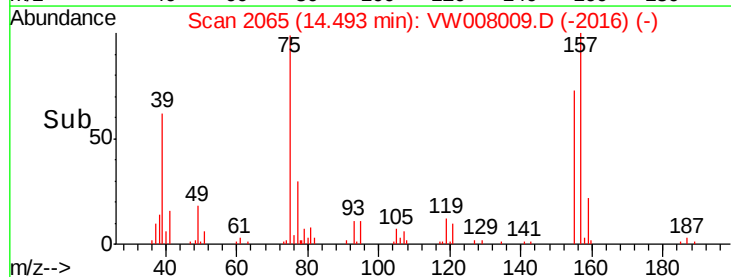
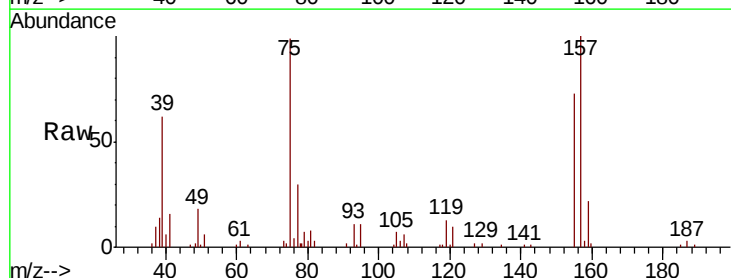
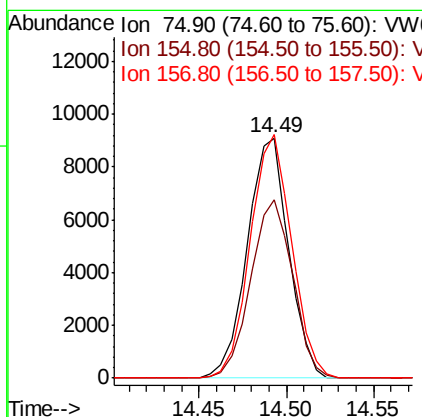
Manual Integrations
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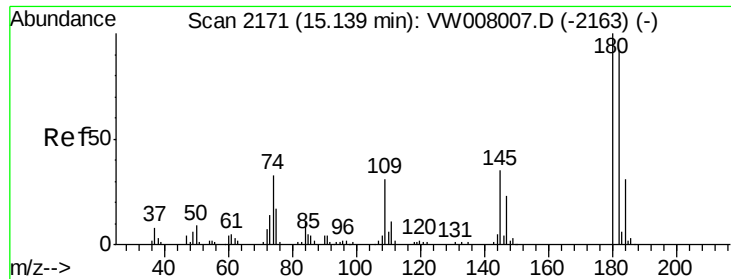
MMDadoda
 1/3/2019 10:55:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 161.013 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	42.4	127.1
157	101.6	52.3	156.8





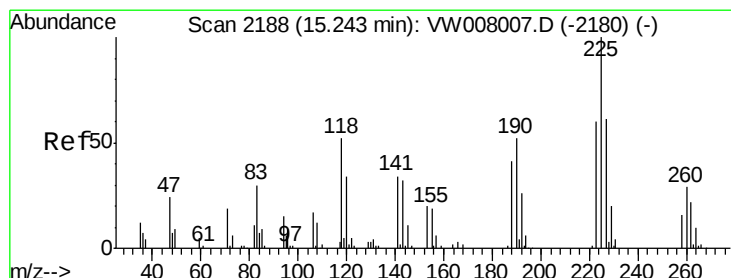
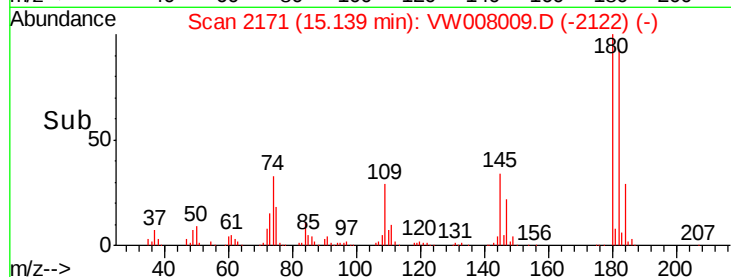
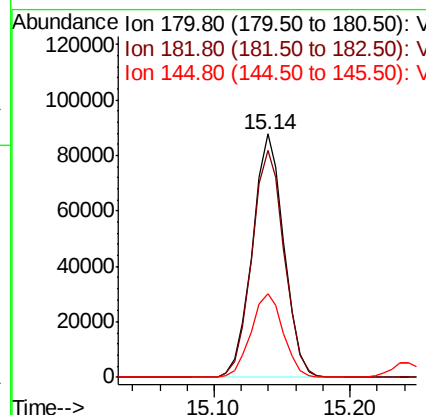
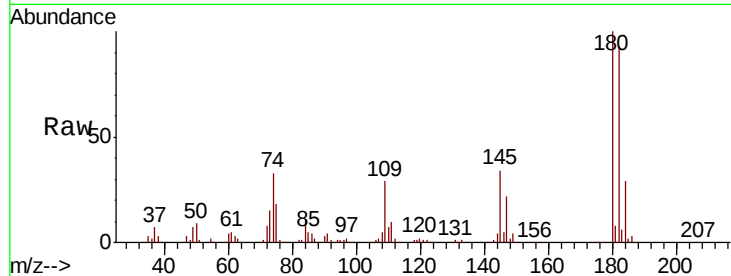
#93
 1,2,4-Trichlorobenzene
 Concen: 148.601 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142845		
182	95.4	46.6	139.8	
145	34.9	17.2	51.6	

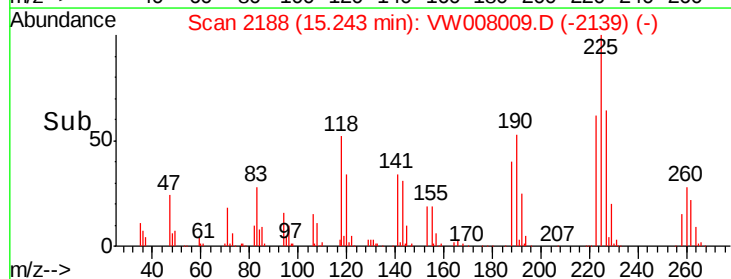
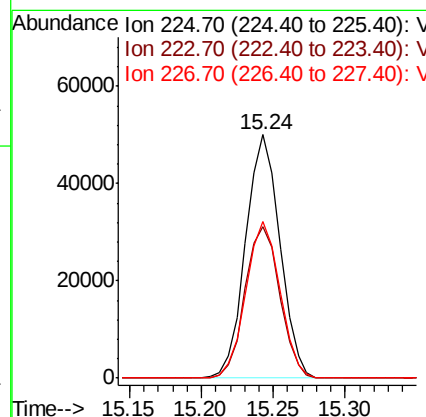
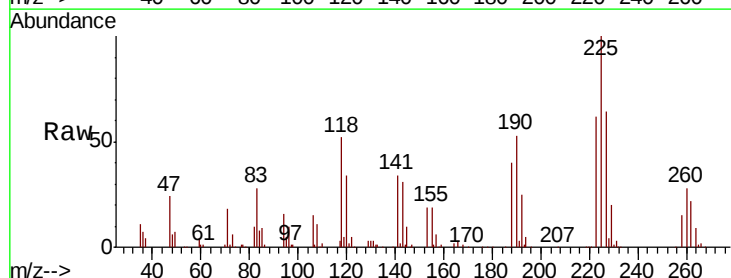
Manual Integrations
 APPROVED

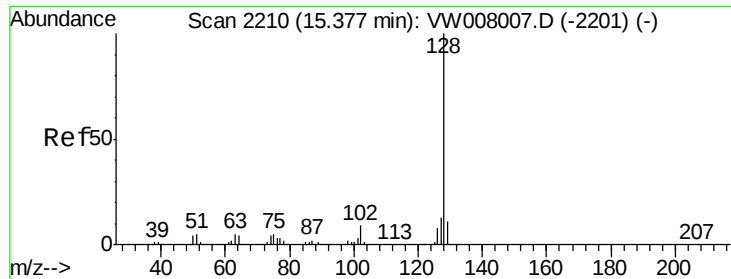
MMDadoda
 1/3/2019 10:55:37 AM



#94
 Hexachlorobutadiene
 Concen: 148.795 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008009.D
 Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82586		
223	63.2	30.6	92.0	
227	63.9	31.3	93.8	





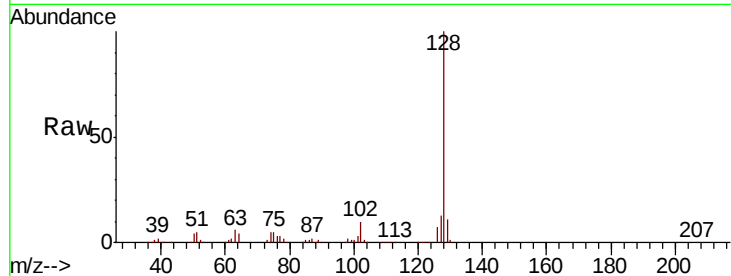
#95
Naphthalene
Concen: 160.424 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:37 AM

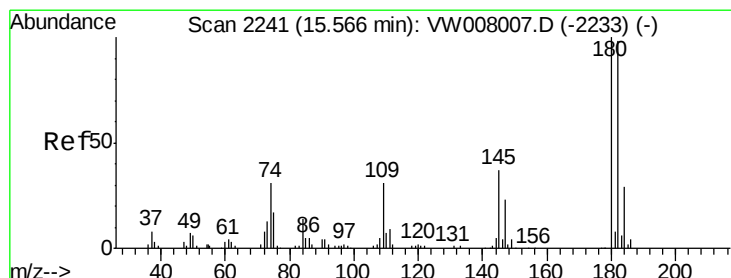
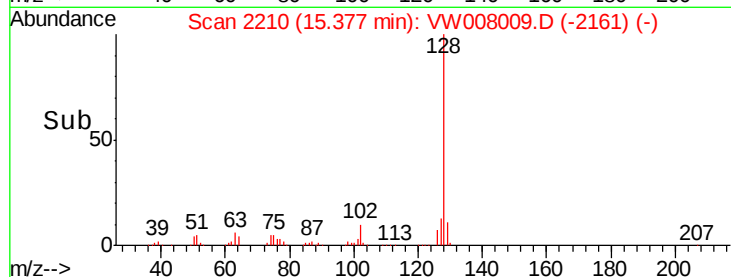
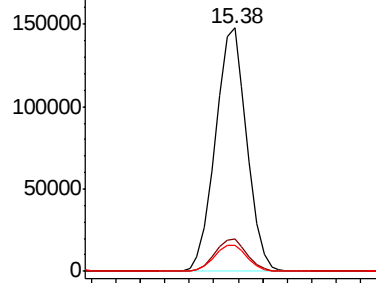


Abundance

Ion 128.00 (127.70 to 128.70): V

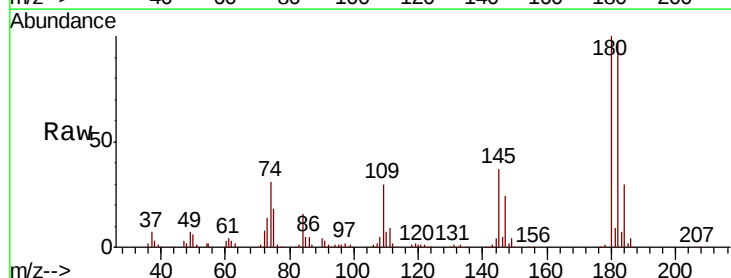
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 154.781 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008009.D
Acq: 02 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	36.8	18.7	56.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

