

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008767.D
 Acq On : 21 Feb 2019 12:38
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:27 PM

Quant Time: Feb 22 00:34:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:19:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	452711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	305871	100.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.34%	
35) Dibromofluoromethane	7.88	113	285653	100.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.48%	
50) Toluene-d8	10.32	98	1086747	99.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.58%	
62) 4-Bromofluorobenzene	12.62	95	418703	97.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	316999	97.705	ug/l	98
3) Chloromethane	2.21	50	395399	100.117	ug/l	100
4) Vinyl Chloride	2.35	62	432797	103.502	ug/l	100
5) Bromomethane	2.74	94	302144	97.282	ug/l	95
6) Chloroethane	2.90	64	309263	104.154	ug/l	99
7) Trichlorofluoromethane	3.25	101	537545	101.643	ug/l	99
8) Diethyl Ether	3.68	74	170933	102.091	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	324145	100.931	ug/l	99
10) Methyl Iodide	4.27	142	443872	110.527	ug/l	100
11) Tert butyl alcohol	5.17	59	136460	517.145	ug/l	95
12) 1,1-Dichloroethene	4.03	96	291843	102.898	ug/l	97
13) Acrolein	3.89	56	148048	578.807	ug/l	100
14) Allyl chloride	4.67	41	515443	105.297	ug/l	98
15) Acrylonitrile	5.37	53	373943	520.406	ug/l	98
16) Acetone	4.12	43	351537	499.176	ug/l	97
17) Carbon Disulfide	4.37	76	995795	105.819	ug/l	98
18) Methyl Acetate	4.67	43	163636	97.964	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	795502	103.623	ug/l	98
20) Methylene Chloride	4.92	84	327441	78.862	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	334327	101.904	ug/l	99
22) Diisopropyl ether	6.31	45	1014525	103.894	ug/l	99
23) Vinyl Acetate	6.26	43	3235775	536.318	ug/l	99
24) 1,1-Dichloroethane	6.21	63	583587	103.134	ug/l	99
25) 2-Butanone	7.16	43	513159	521.203	ug/l	99
26) 2,2-Dichloropropane	7.16	77	514335	100.118	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	357813	101.956	ug/l	100
28) Bromochloromethane	7.51	49	239196	101.015	ug/l	99
29) Tetrahydrofuran	7.53	42	338939	540.197	ug/l	99
30) Chloroform	7.68	83	593763	102.285	ug/l	100
31) Cyclohexane	7.95	56	539103	94.121	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	536769	101.678	ug/l	99
36) 1,1-Dichloropropene	8.08	75	456109	99.218	ug/l	99
37) Ethyl Acetate	7.25	43	226256	105.839	ug/l	99
38) Carbon Tetrachloride	8.07	117	484167	99.868	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	586427	102.272	ug/l	98
40) Benzene	8.32	78	1251412	99.703	ug/l	100
41) Methacrylonitrile	7.48	41	134122	106.736	ug/l	93
42) 1,2-Dichloroethane	8.40	62	408359	102.706	ug/l	99
43) Isopropyl Acetate	8.42	43	446821	104.727	ug/l	99
44) Trichloroethene	9.09	130	350644	99.169	ug/l	99
45) 1,2-Dichloropropane	9.37	63	308604	99.497	ug/l	96
46) Dibromomethane	9.46	93	176829	102.495	ug/l	98
47) Bromodichloromethane	9.65	83	432567	103.052	ug/l	96
48) Methyl methacrylate	9.44	41	222578	108.925	ug/l	95
49) 1,4-Dioxane	9.45	88	57435	2078.856	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1130769	522.030	ug/l	99
52) Toluene	10.39	92	848138	99.567	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	453182	105.923	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	510728	104.666	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	238357	101.875	ug/l	96
56) Ethyl methacrylate	10.65	69	323837	106.533	ug/l	98
57) 1,3-Dichloropropane	10.93	76	416147	100.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	766082	501.088	ug/l	99
59) 2-Hexanone	10.97	43	811110	526.039	ug/l	100
60) Dibromochloromethane	11.13	129	296827	104.011	ug/l	100
61) 1,2-Dibromoethane	11.23	107	235448	101.664	ug/l	99
64) Tetrachloroethene	10.86	164	314521	97.057	ug/l	98
65) Chlorobenzene	11.66	112	940052	98.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	324074	100.685	ug/l	97
67) Ethyl Benzene	11.73	91	1714715	100.764	ug/l	100
68) m/p-Xylenes	11.84	106	1363086	200.477	ug/l	99
69) o-Xylene	12.16	106	643153	100.779	ug/l	98
70) Styrene	12.18	104	1061232	103.361	ug/l	99
71) Bromoform	12.35	173	180694	104.439	ug/l	# 99
73) Isopropylbenzene	12.46	105	1752630	101.592	ug/l	100
74) N-amyl acetate	12.27	43	474383	109.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	283353	100.521	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	201296m	92.457	ug/l	
77) Bromobenzene	12.75	156	399033	97.881	ug/l	97
78) n-propylbenzene	12.80	91	2137473	101.289	ug/l	100
79) 2-Chlorotoluene	12.90	91	1208968	100.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1532772	102.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	95482	111.722	ug/l	95
82) 4-Chlorotoluene	12.99	91	1282079	101.544	ug/l	99
83) tert-Butylbenzene	13.21	119	1299104	100.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1585852	102.187	ug/l	100
85) sec-Butylbenzene	13.38	105	1896259	101.733	ug/l	99
86) p-Isopropyltoluene	13.50	119	1742407	101.970	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	836207	98.863	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	816176	97.906	ug/l	100
89) n-Butylbenzene	13.83	91	1650549	103.106	ug/l	99
90) Hexachloroethane	14.10	117	287932	102.932	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	739080	98.067	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	52999	103.937	ug/l	96

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ClientSampleId :
VSTDICC100

Manual Integrations
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QLast Update : Fri Feb 22 00:19:35 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	545888	100.529	ug/l	99
94) Hexachlorobutadiene	15.24	225	310390	97.041	ug/l	100
95) Naphthalene	15.37	128	964591	104.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	458466	97.649	ug/l	99

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

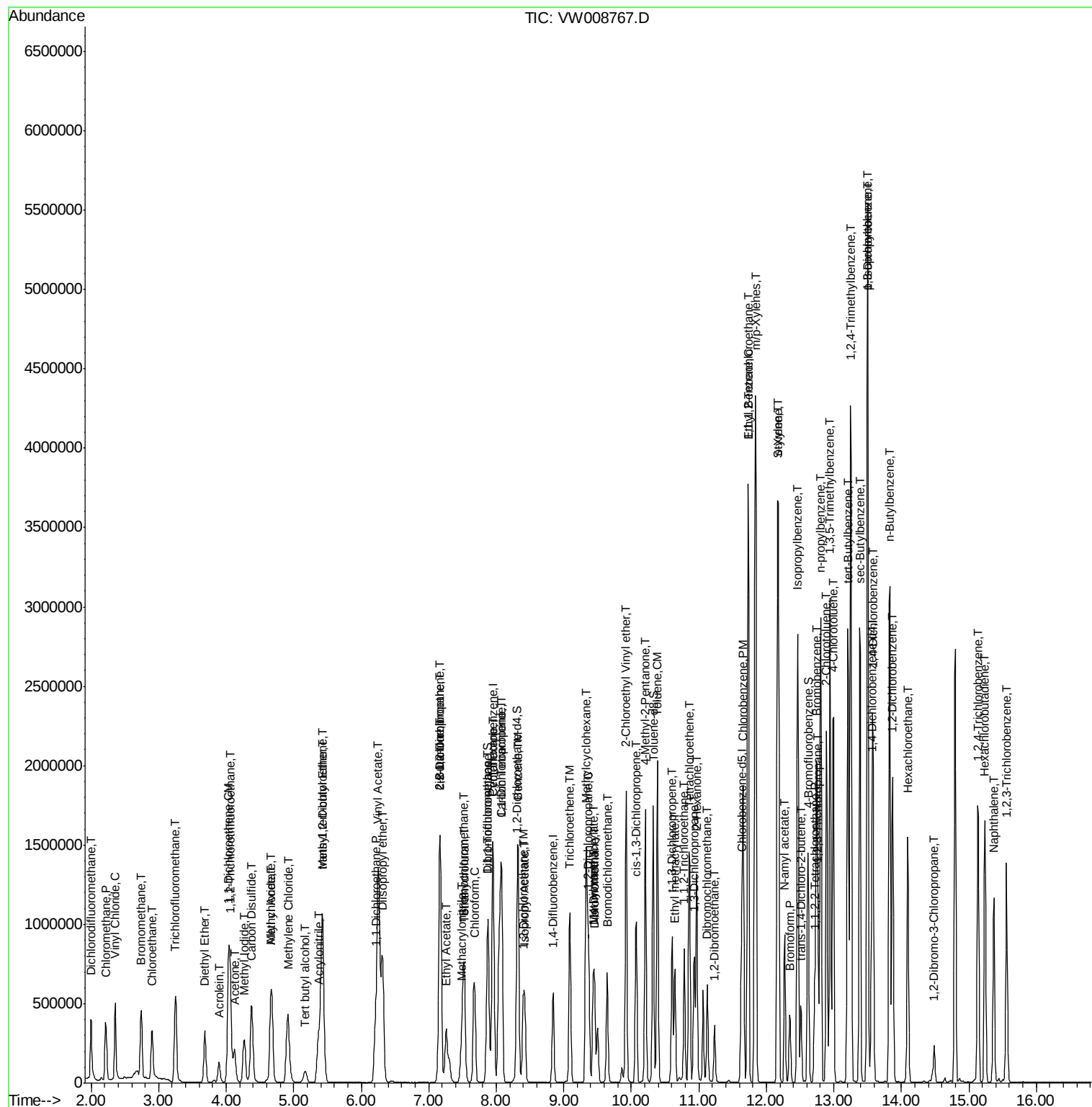
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
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 Operator : SY/VA
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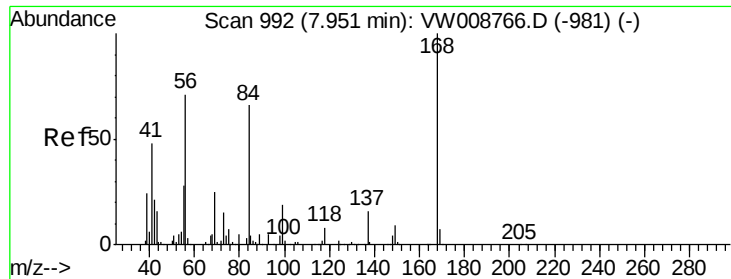
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 323935

Ion Ratio Lower Upper

168 100

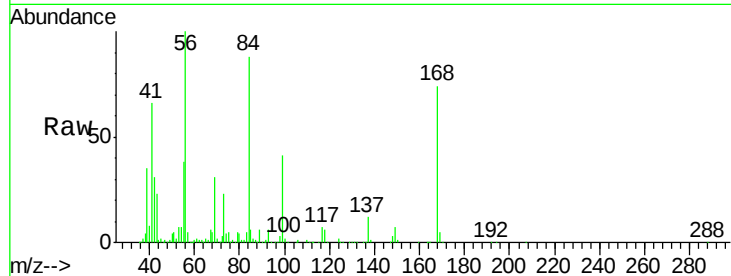
99 54.9 42.2 63.2

Manual Integrations

APPROVED

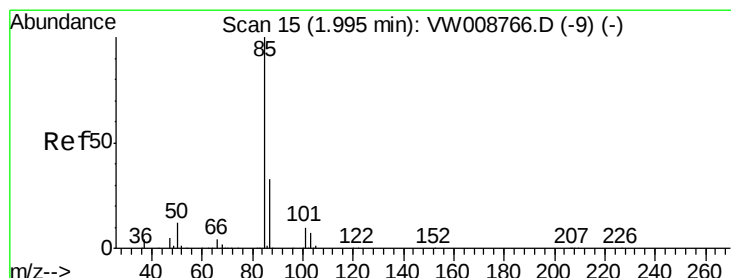
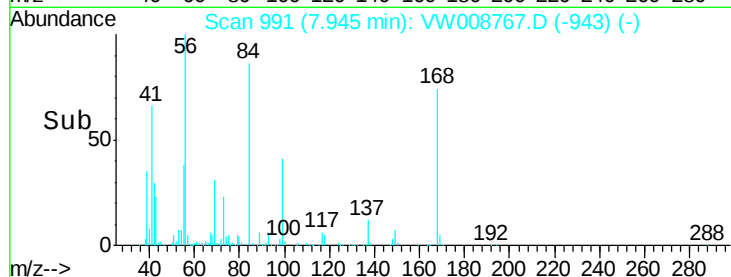
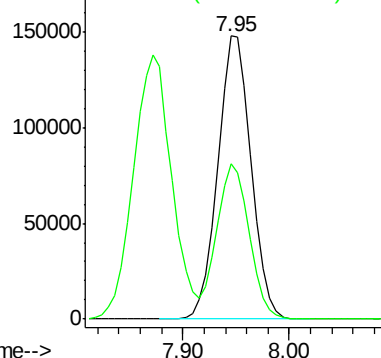
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 97.705 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008767.D

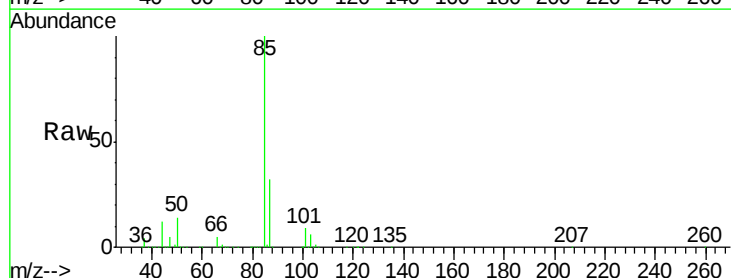
Acq: 21 Feb 2019 12:38

Tgt Ion: 85 Resp: 316999

Ion Ratio Lower Upper

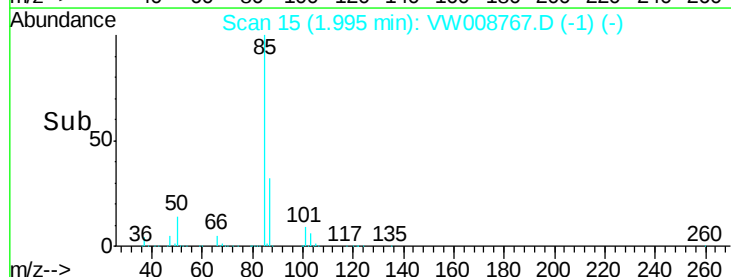
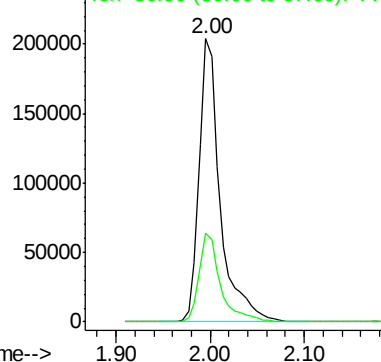
85 100

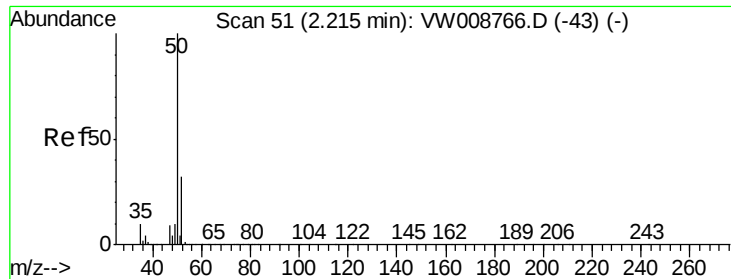
87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 100.117 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 395399

Ion Ratio Lower Upper

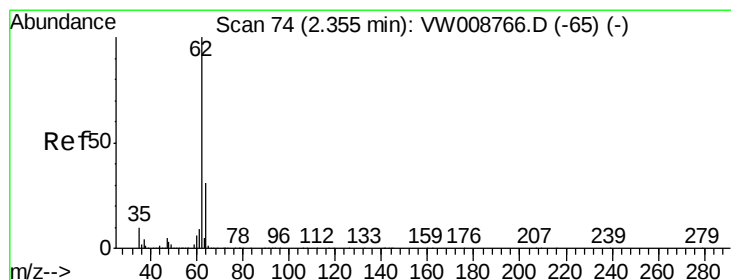
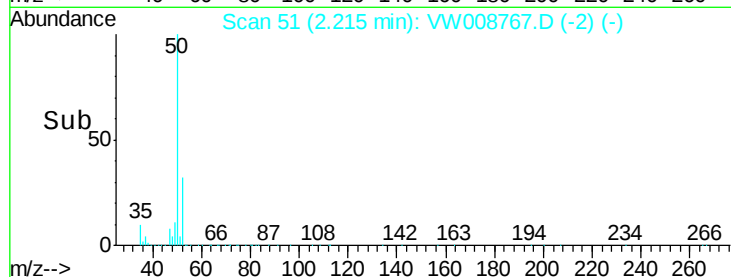
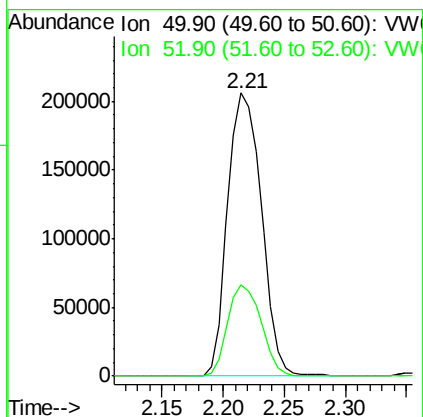
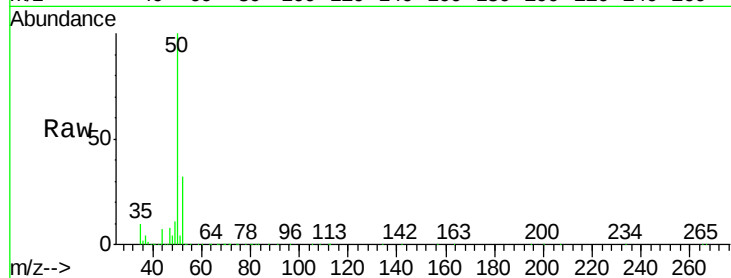
50 100

52 32.3 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 103.502 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008767.D

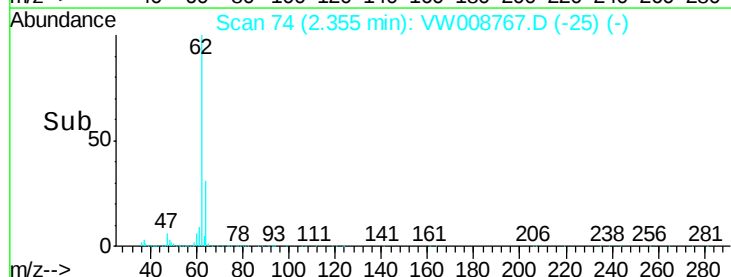
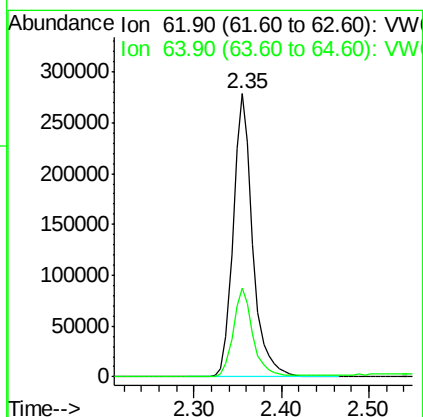
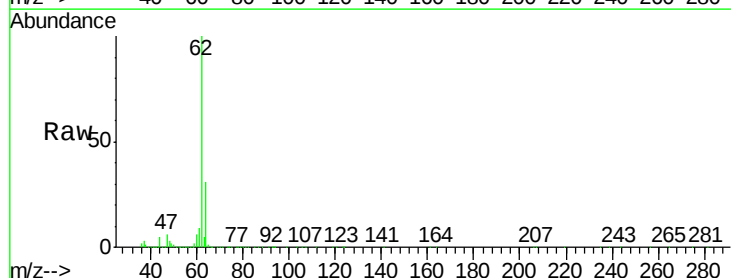
Acq: 21 Feb 2019 12:38

Tgt Ion: 62 Resp: 432797

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 97.282 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 302144

Ion Ratio Lower Upper

94 100

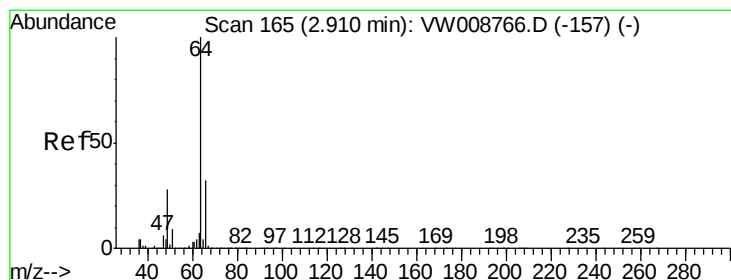
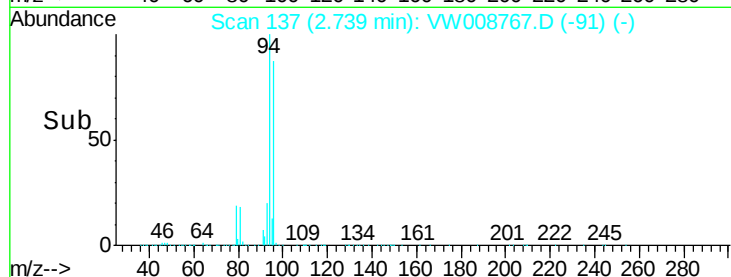
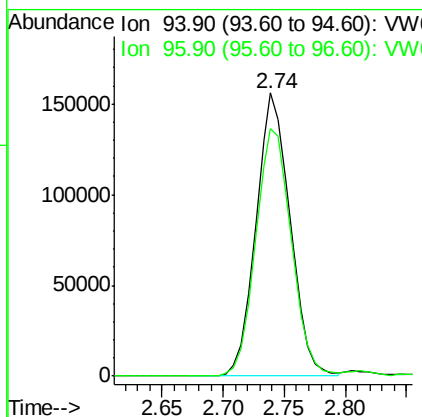
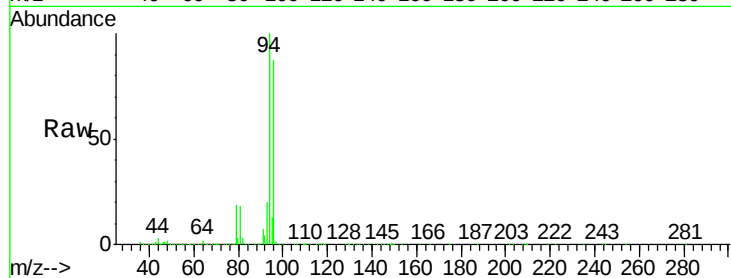
96 87.3 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 104.154 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008767.D

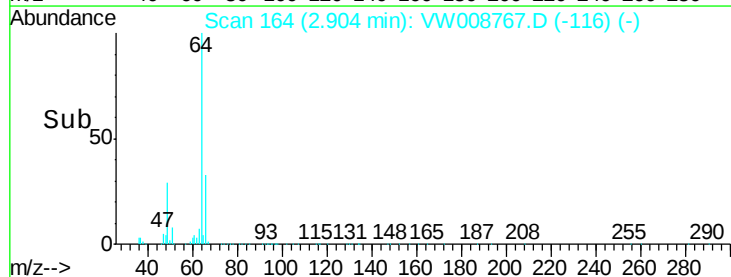
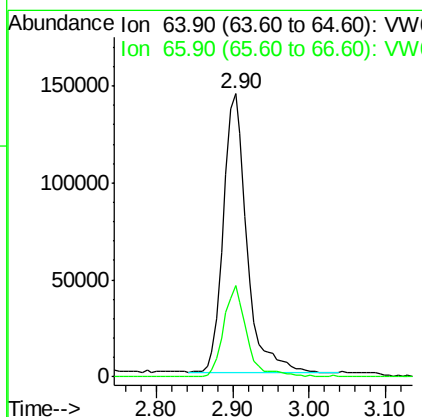
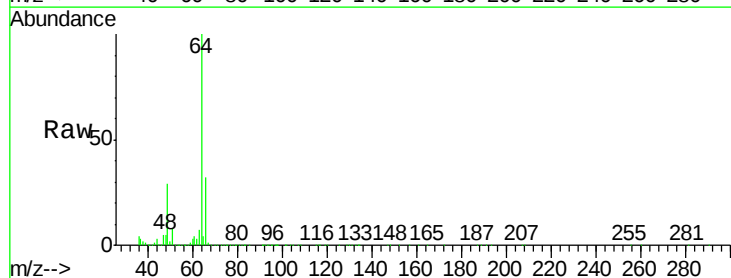
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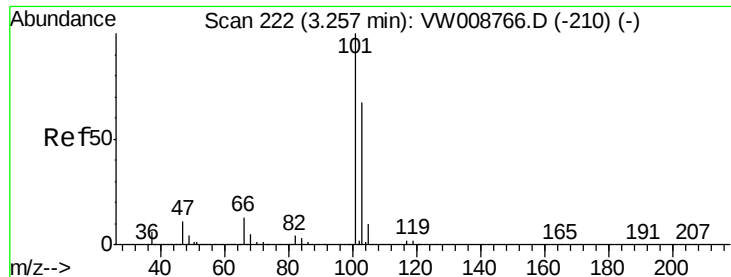
Tgt Ion: 64 Resp: 309263

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

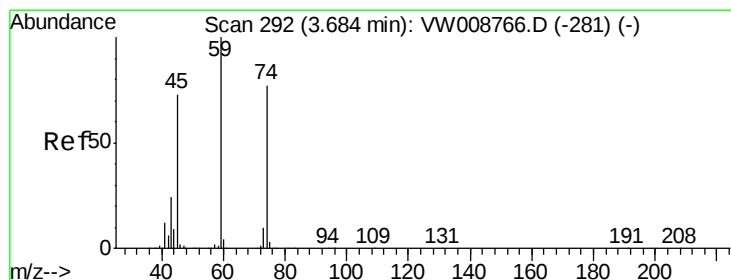
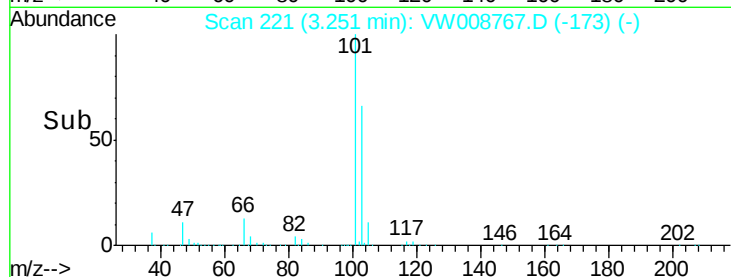
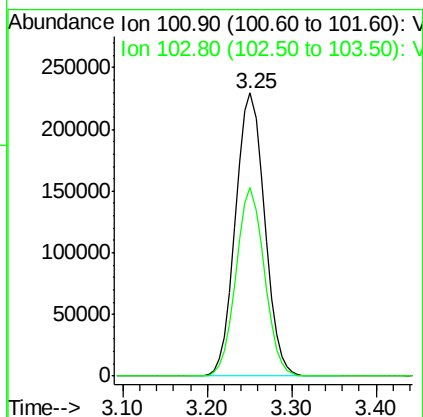
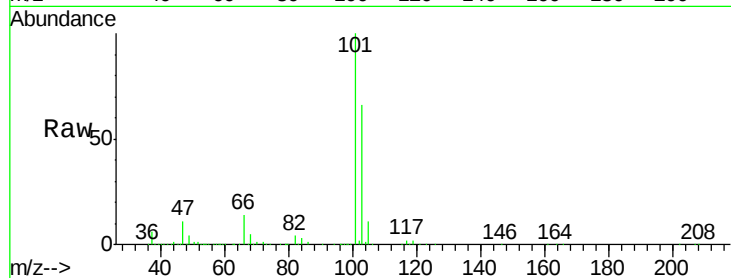
Trichlorofluoromethane
Concen: 101.643 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	537545		
103	66.4	53.9	80.9	

Manual Integrations
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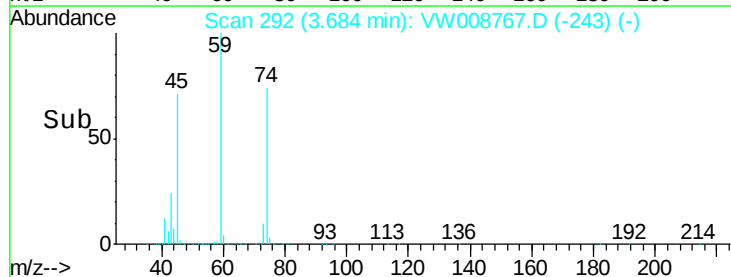
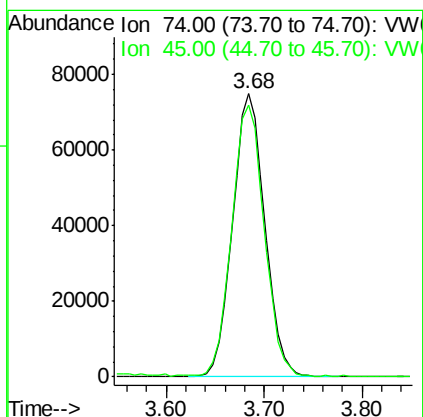
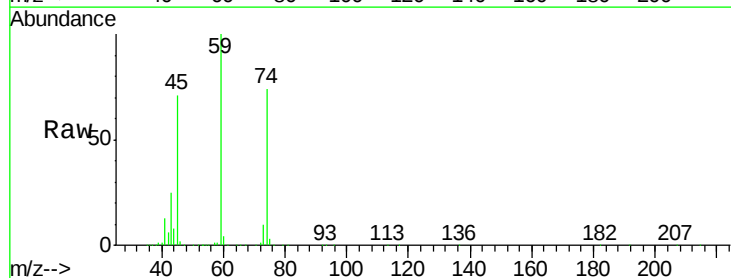
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#8

Diethyl Ether
Concen: 102.091 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	170933		
45	96.5	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.931 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008767.D

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Instrument :

MSVOA_W

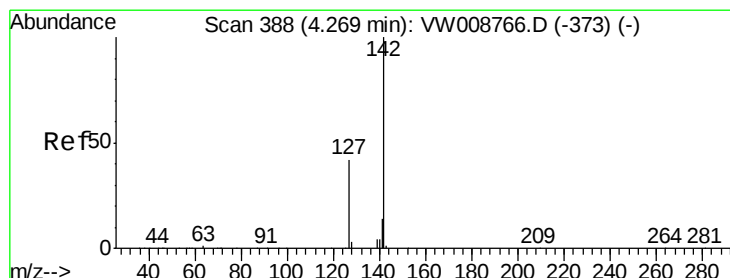
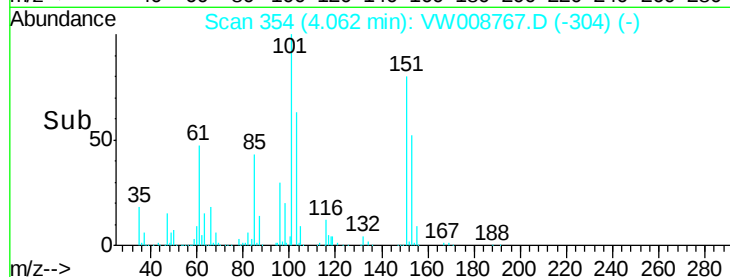
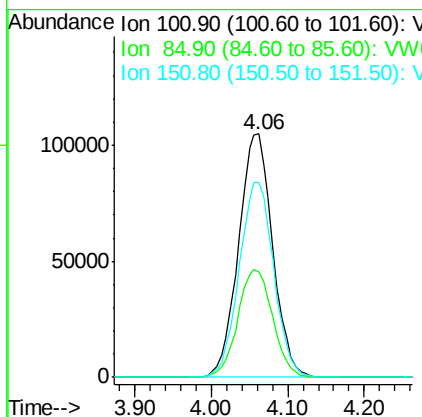
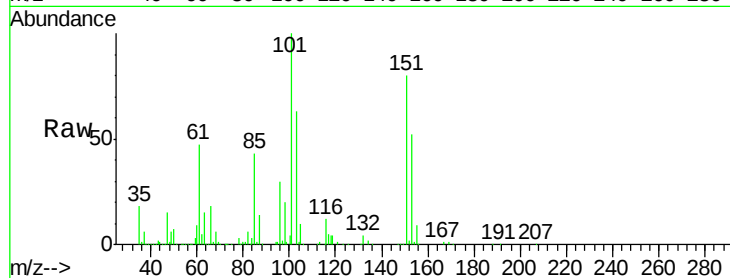
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	324145
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	81.4	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 110.527 ug/l

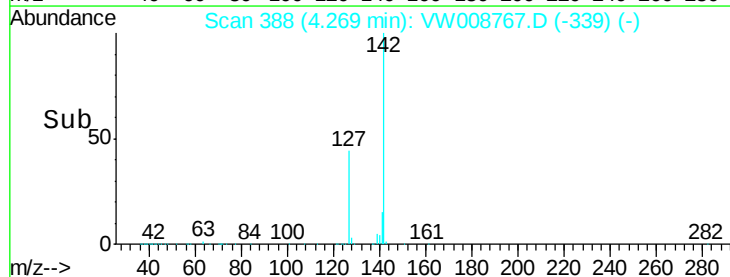
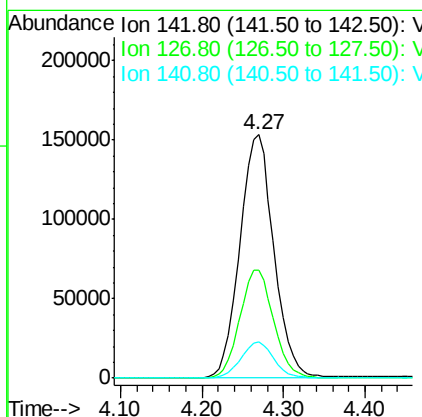
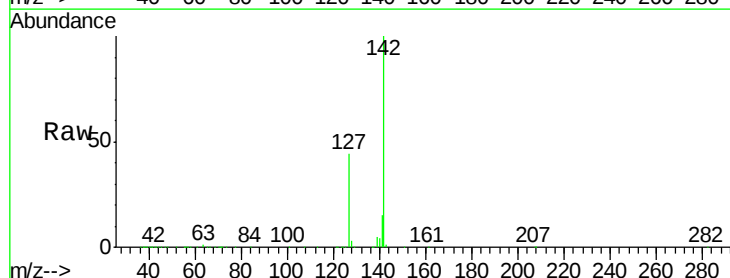
RT: 4.27 min Scan# 388

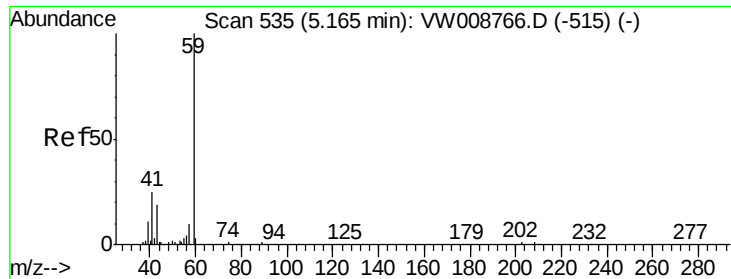
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	142	Resp:	443872
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.3	52.9
141	14.7	11.7	17.5





#11

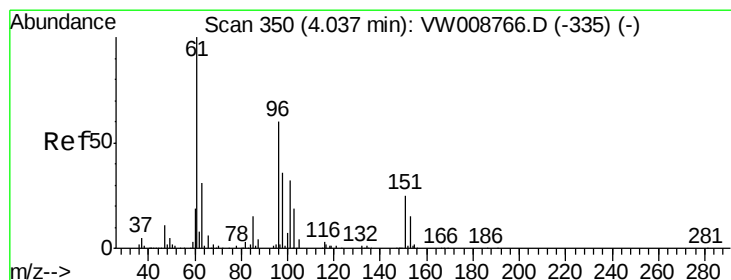
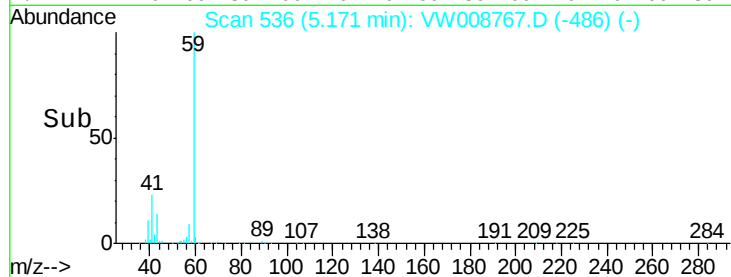
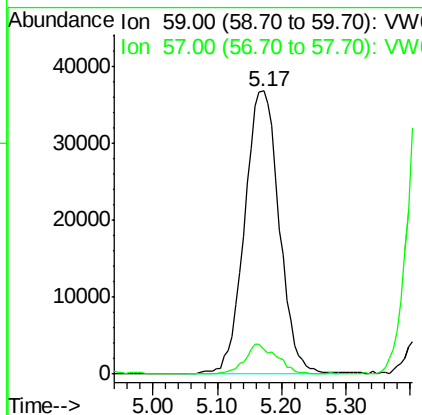
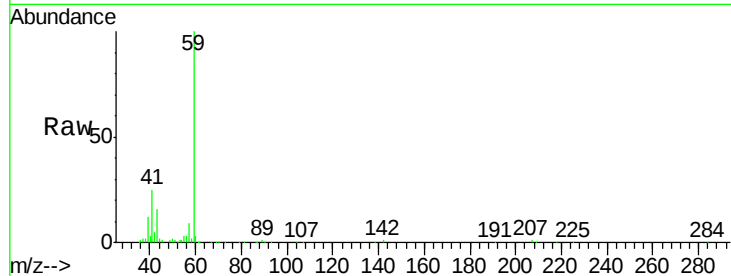
Tert butyl alcohol
Concen: 517.145 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.3	13.9

Manual Integrations
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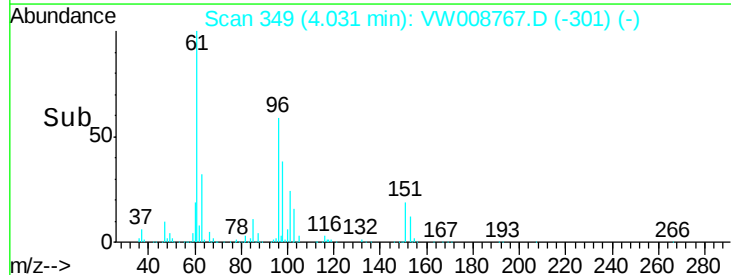
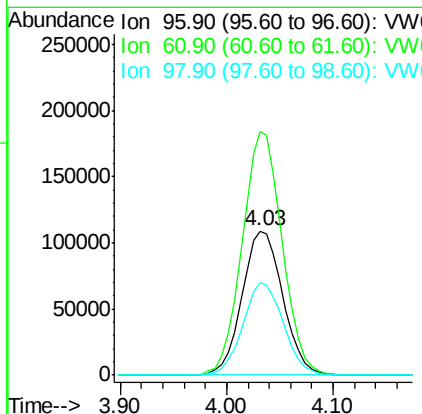
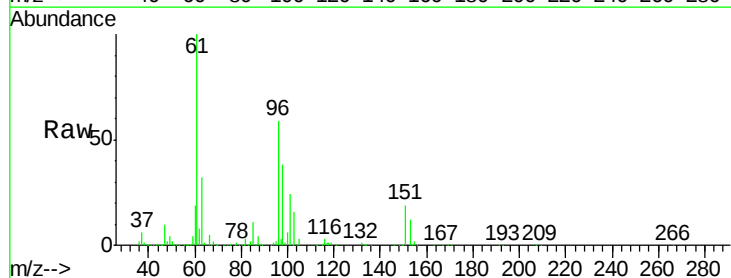
MMDadoda
2/22/2019 12:25:27 PM

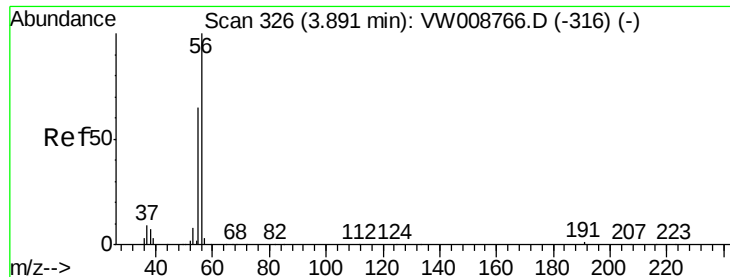


#12

1,1-Dichloroethene
Concen: 102.898 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.8	132.5	198.7
98	64.5	48.2	72.4





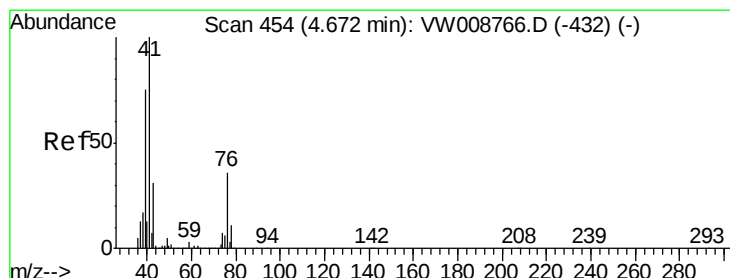
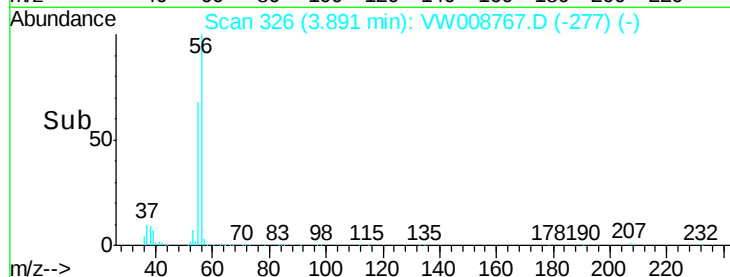
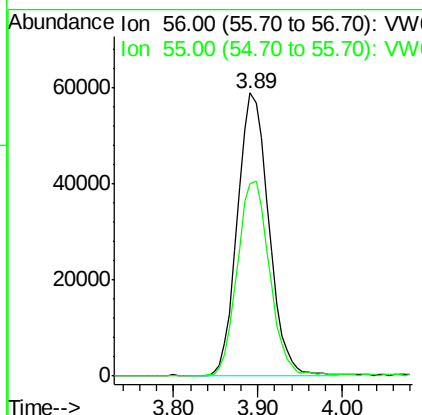
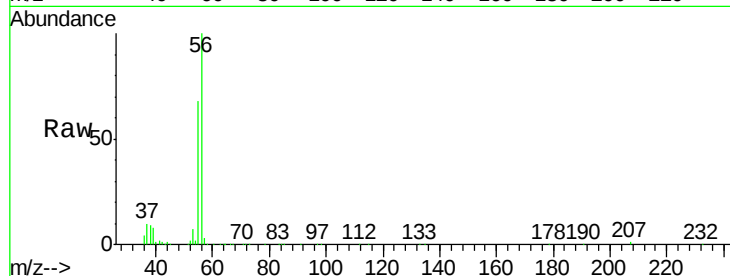
#13
Acrolein
Concen: 578.807 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.7	56.9	85.3

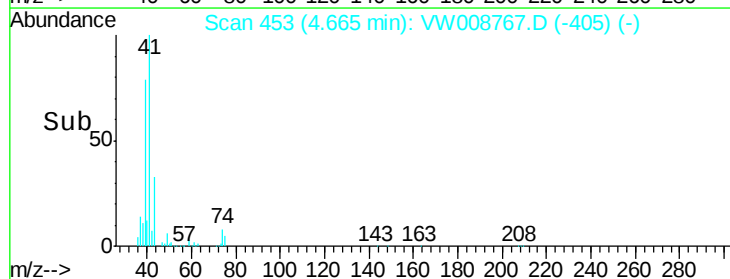
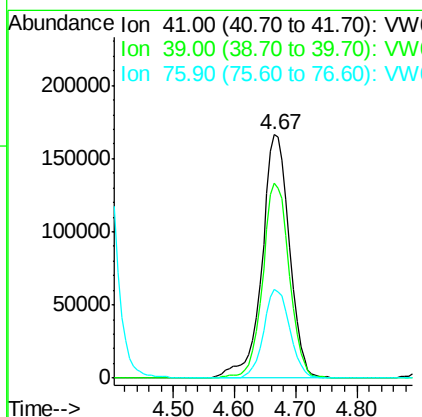
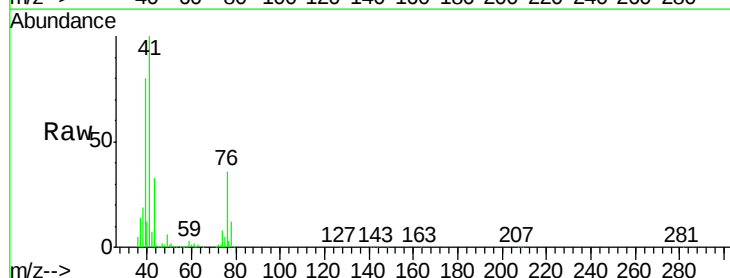
Manual Integrations
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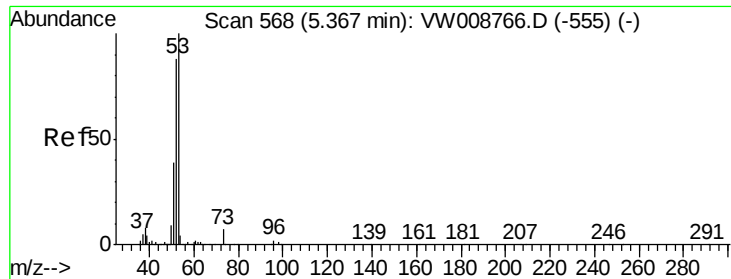
MMDadoda
2/22/2019 12:25:27 PM



#14
Allyl chloride
Concen: 105.297 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	77.6	60.6	91.0
76	76	34.8	28.6	42.8





#15

Acrylonitrile

Concen: 520.406 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

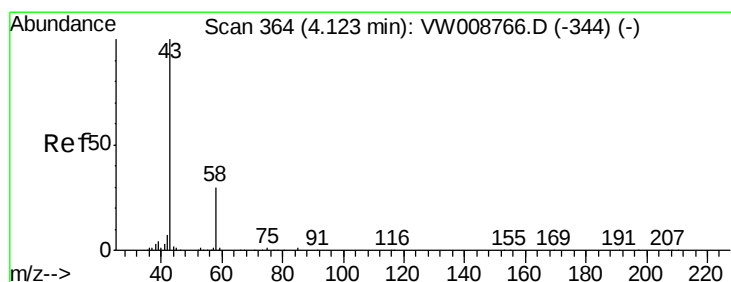
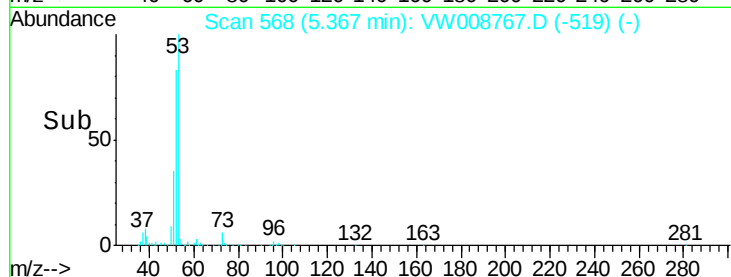
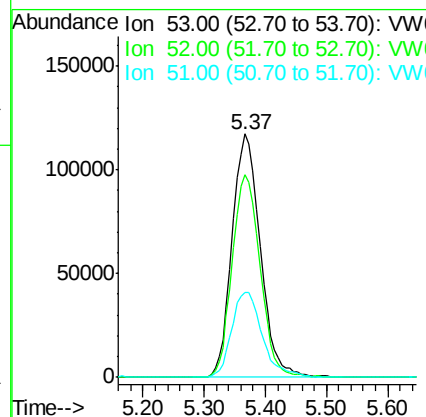
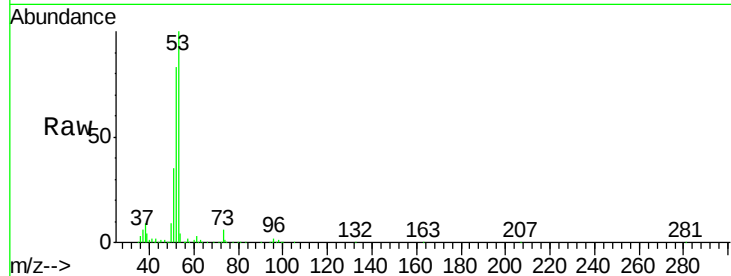
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	373943
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.2	100.8
51	37.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 499.176 ug/l

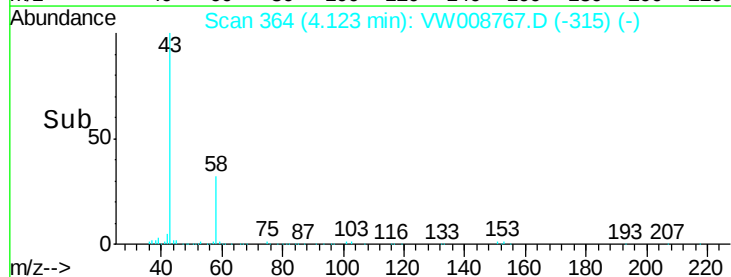
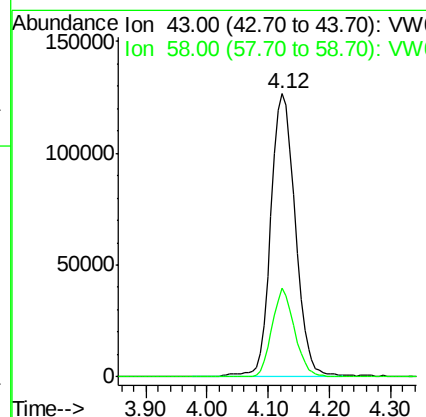
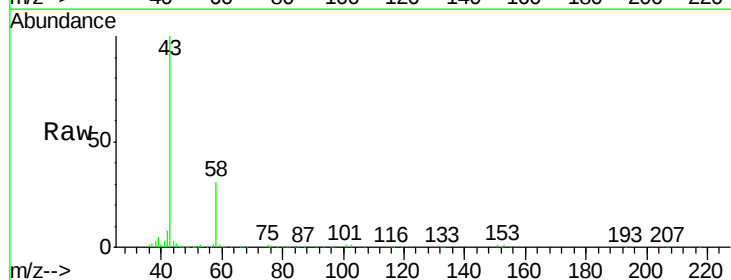
RT: 4.12 min Scan# 364

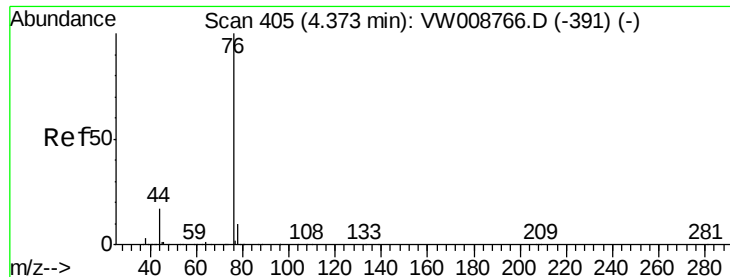
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	43	Resp:	351537
Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.8	35.6





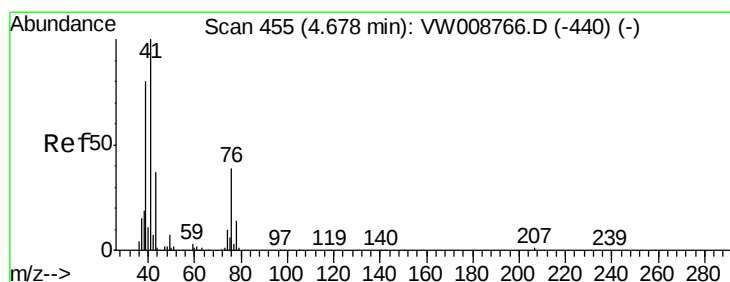
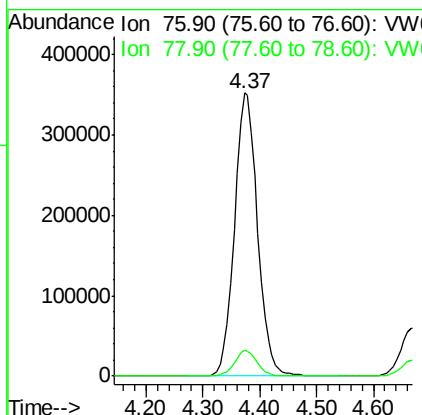
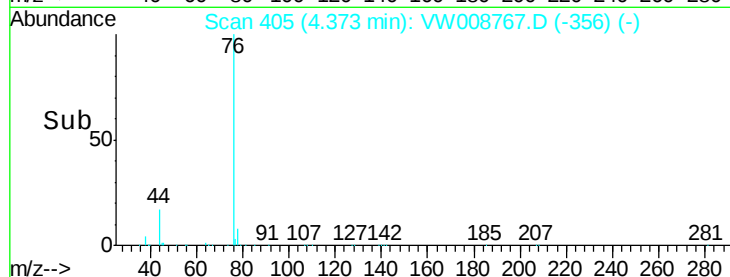
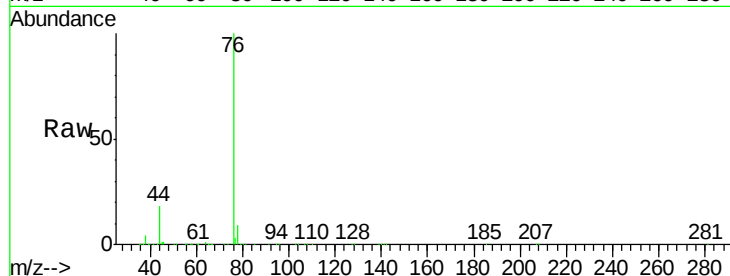
#17
Carbon Disulfide
Concen: 105.819 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.8	11.8

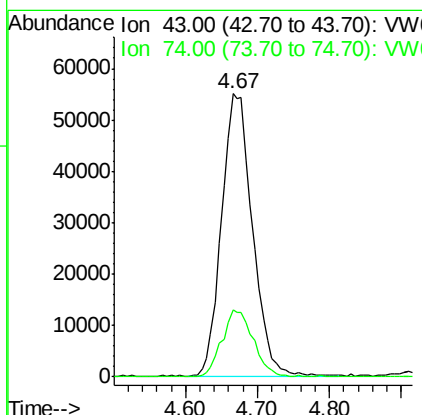
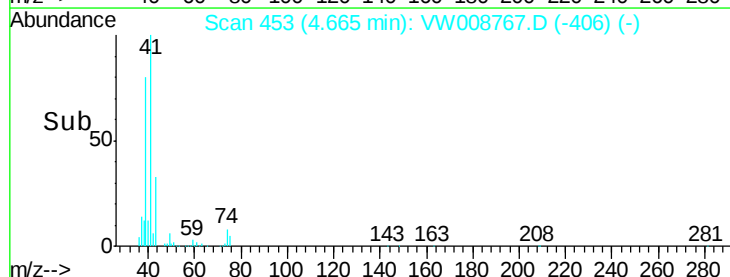
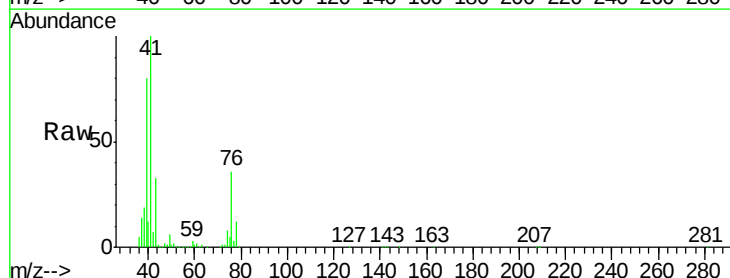
Manual Integrations
APPROVED

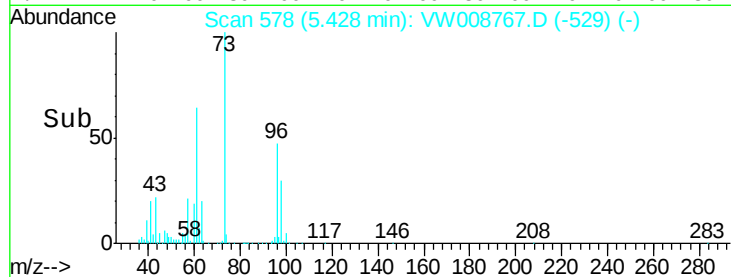
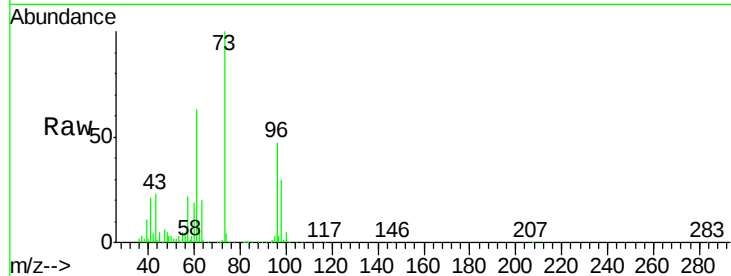
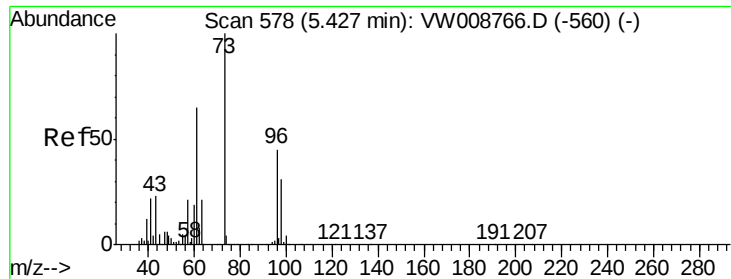
MMDadoda
2/22/2019 12:25:27 PM



#18
Methyl Acetate
Concen: 97.964 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





#19

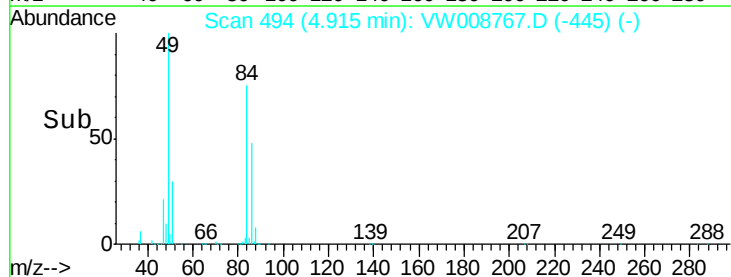
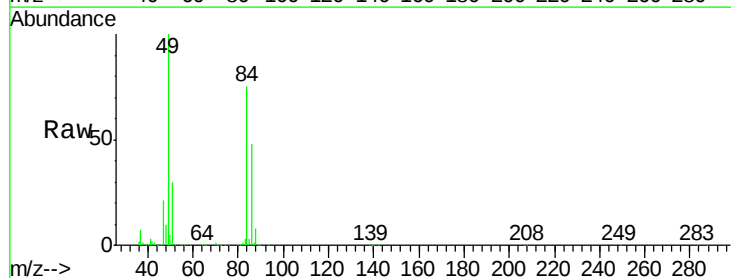
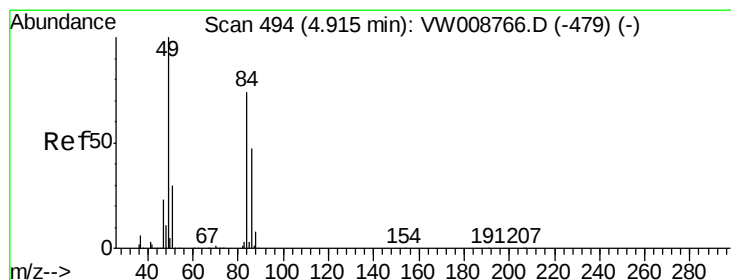
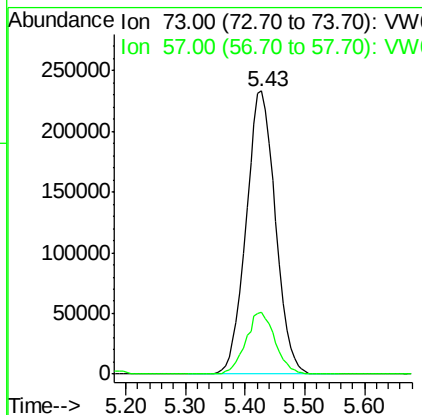
Methyl tert-butyl Ether
Concen: 103.623 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Manual Integrations
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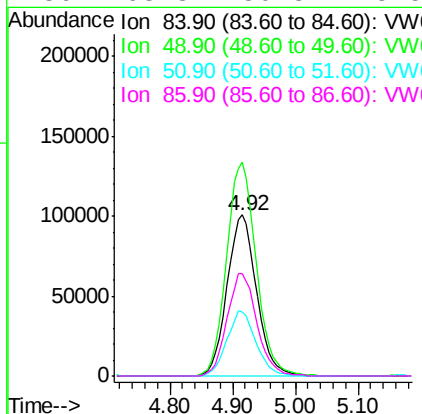
MMDadoda
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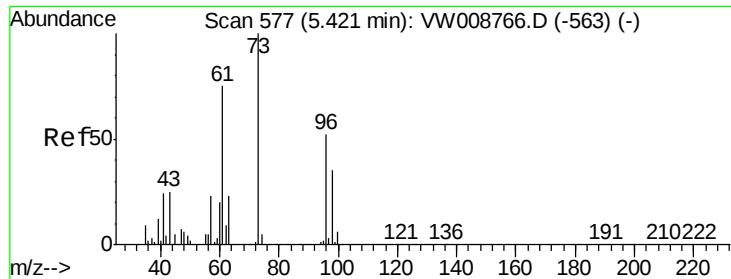


#20

Methylene Chloride
Concen: 78.862 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.8	108.2	162.2
51	39.6	32.7	49.1
86	63.3	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 101.904 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

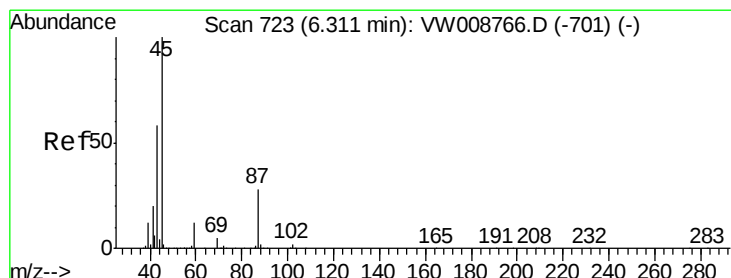
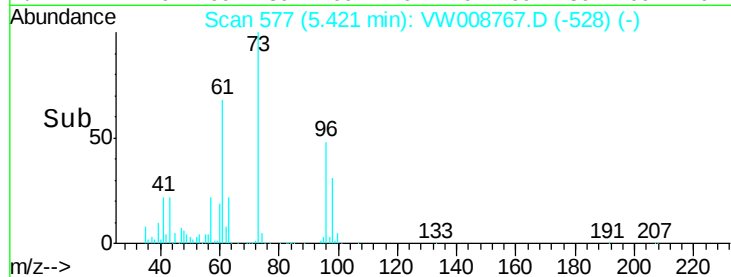
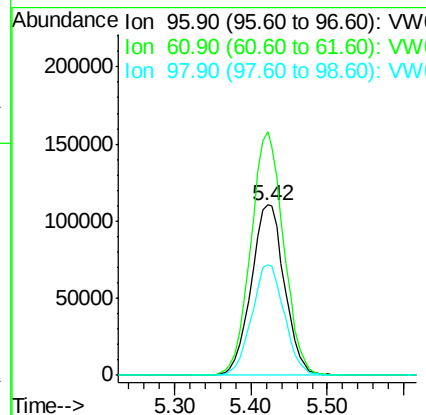
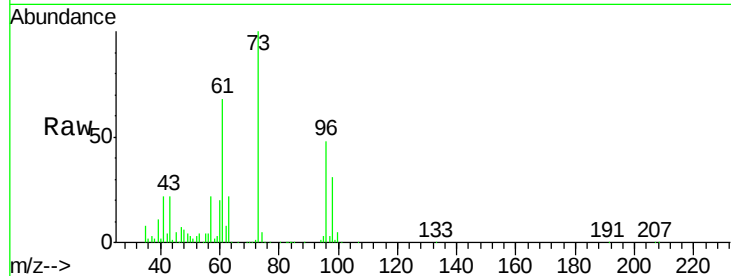
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	334327
Ion	Ratio	Lower	Upper
96	100		
61	142.7	114.6	171.8
98	65.0	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 103.894 ug/l

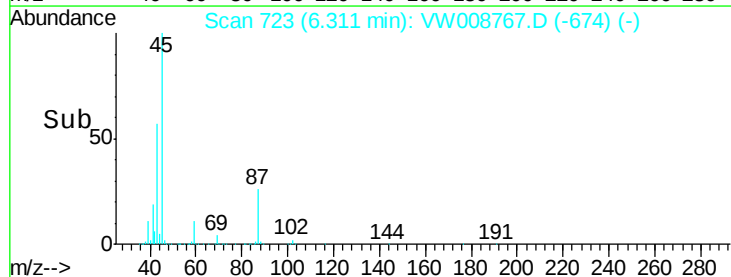
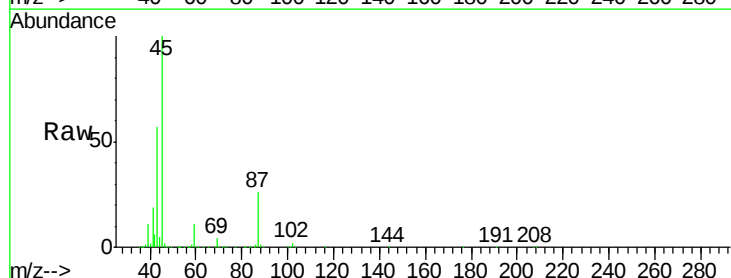
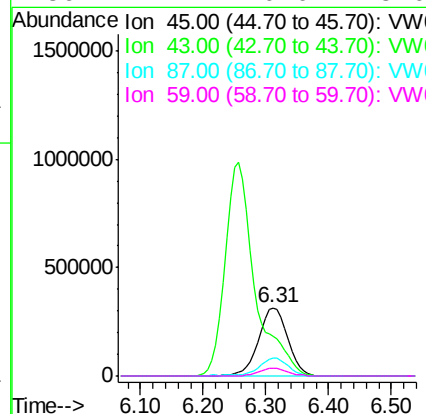
RT: 6.31 min Scan# 723

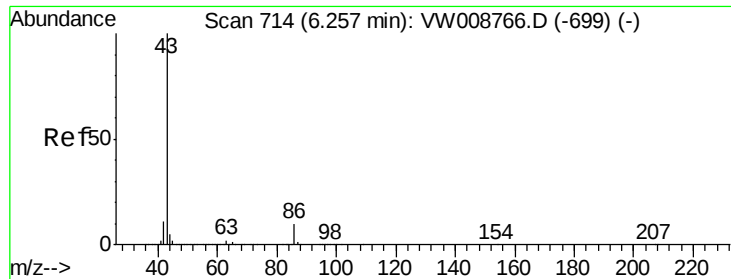
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	45	Resp:	1014525
Ion	Ratio	Lower	Upper
45	100		
43	57.3	46.1	69.1
87	26.3	22.2	33.4
59	11.2	10.0	15.0





#23

Vinyl Acetate

Concen: 536.318 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tot Ion: 43 Resp: 3235775

Ion Ratio Lower Upper

43 100

86 9.6 8.1 12.1

Instrument :

MSVOA_W

ClientSampleId :

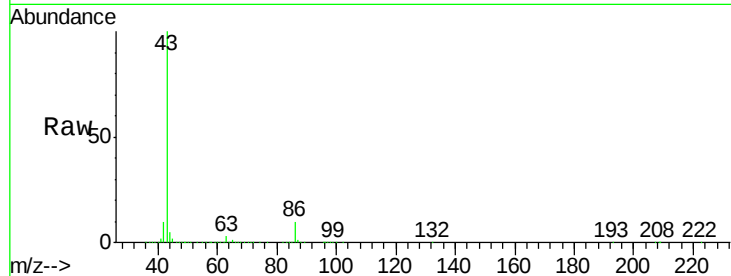
VSTDIC100

Manual Integrations

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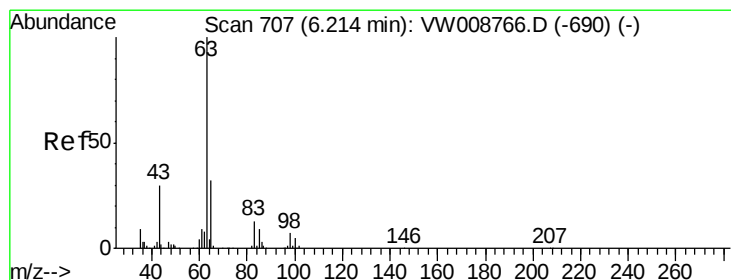
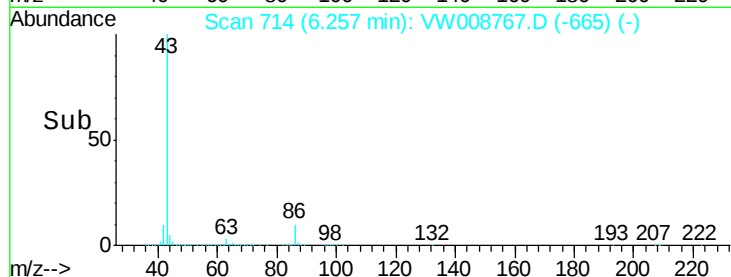
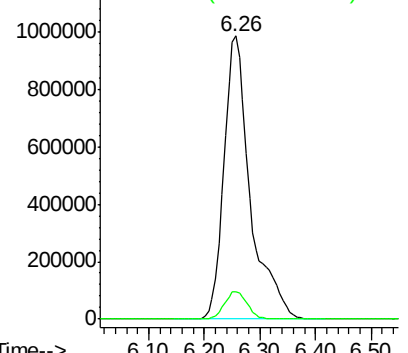
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 103.134 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

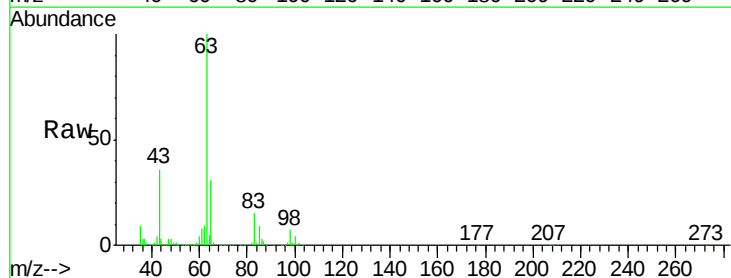
Tgt Ion: 63 Resp: 583587

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

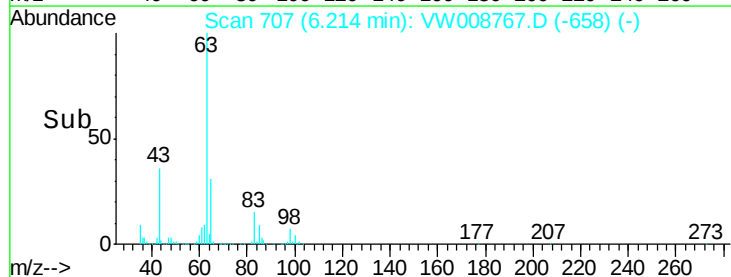
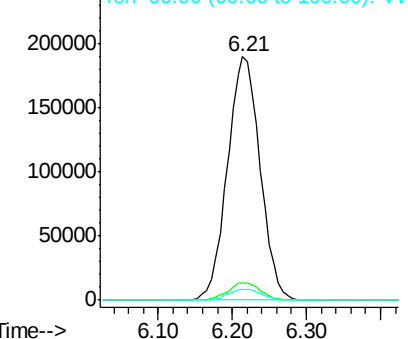
100 4.4 2.4 7.2

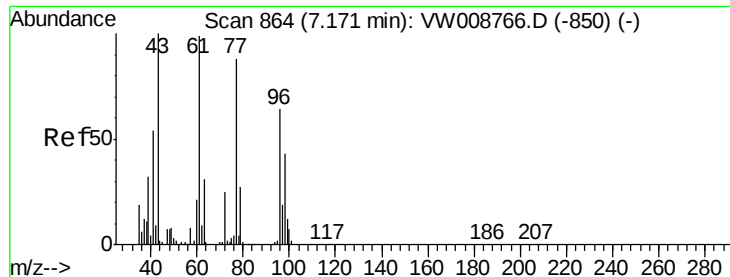


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 521.203 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 513159

Ion Ratio Lower Upper

43 100

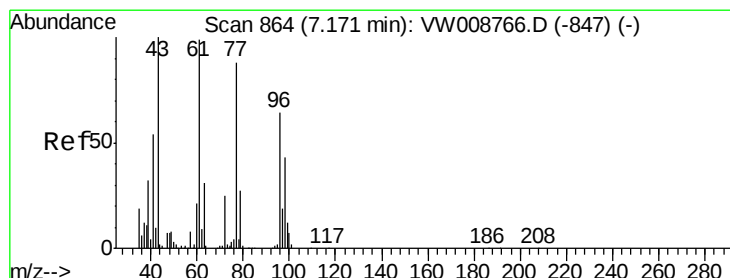
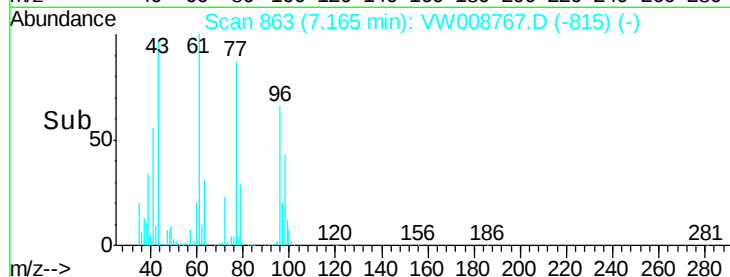
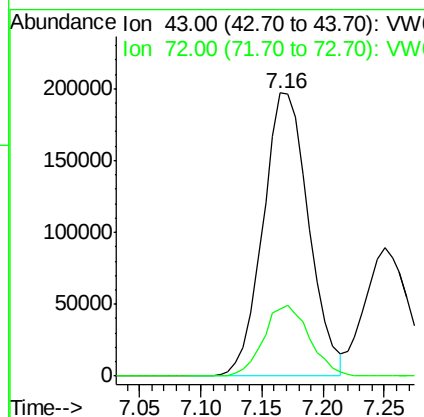
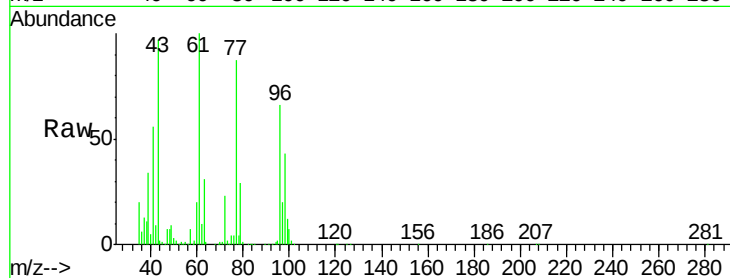
72 23.9 19.7 29.5

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#26

2,2-Dichloropropane

Concen: 100.118 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008767.D

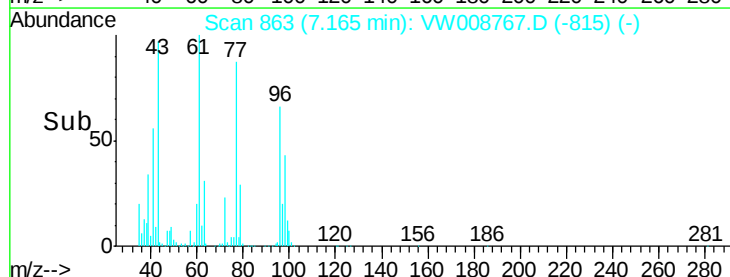
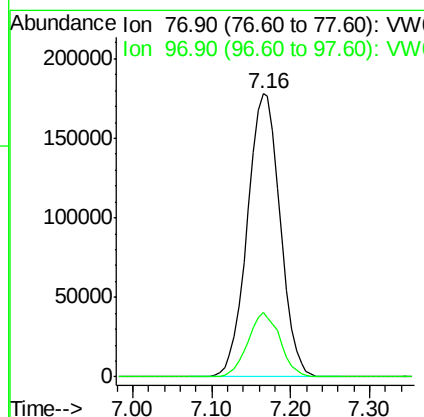
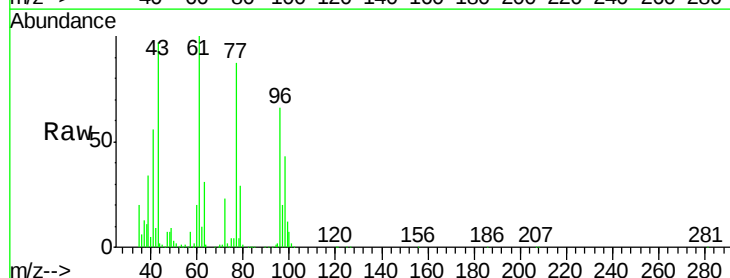
Acq: 21 Feb 2019 12:38

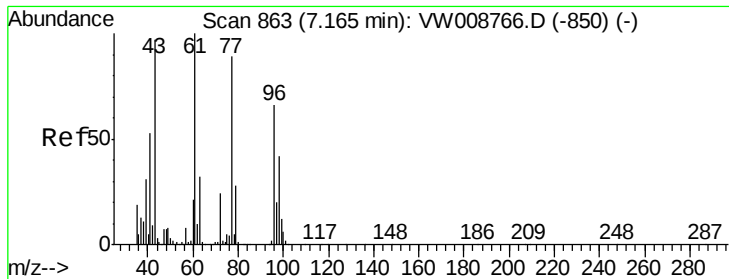
Tgt Ion: 77 Resp: 514335

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0





#27

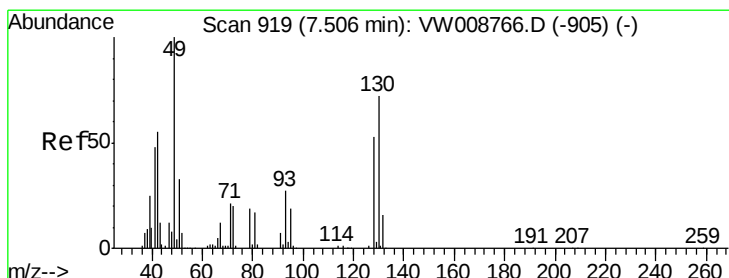
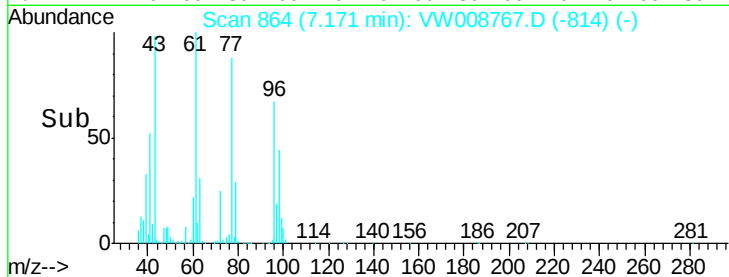
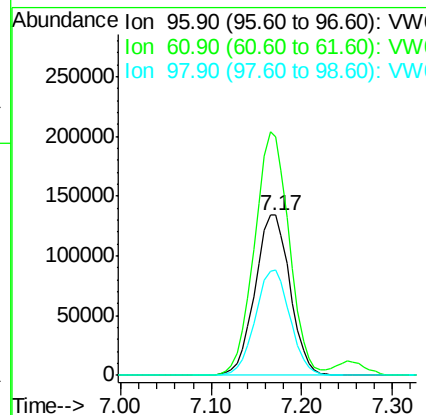
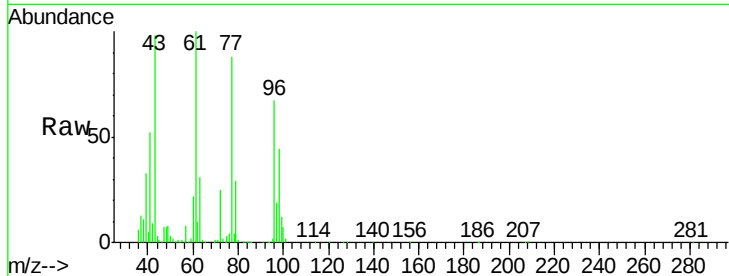
cis-1,2-Dichloroethene
 Concen: 101.956 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	151.1	0.0	302.6		
98	65.3	0.0	130.0		

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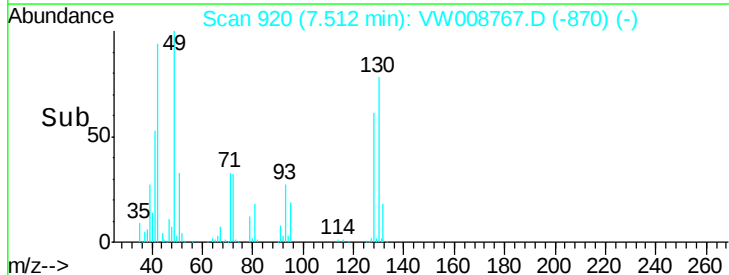
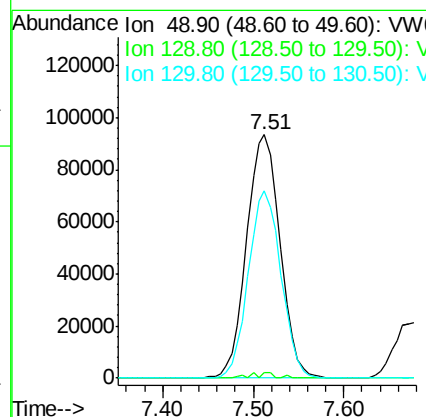
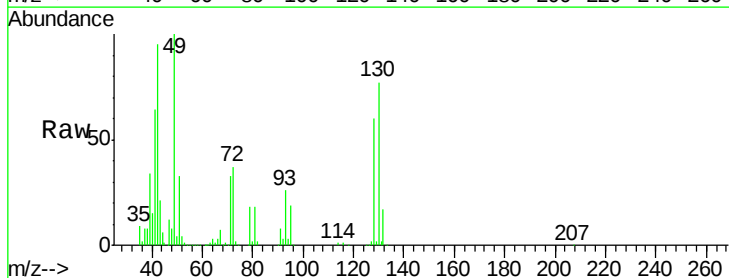
MMDadoda
 2/22/2019 12:25:27 PM

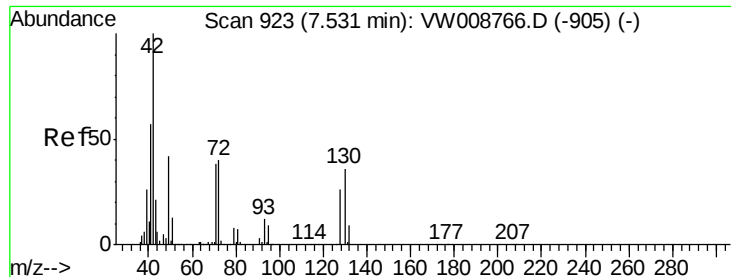


#28

Bromochloromethane
 Concen: 101.015 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.3	0.0	2.6		
130	75.3	61.3	91.9		





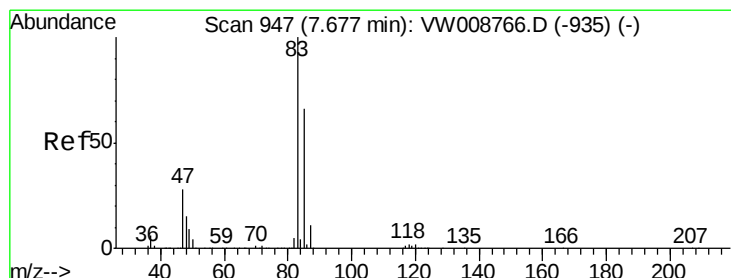
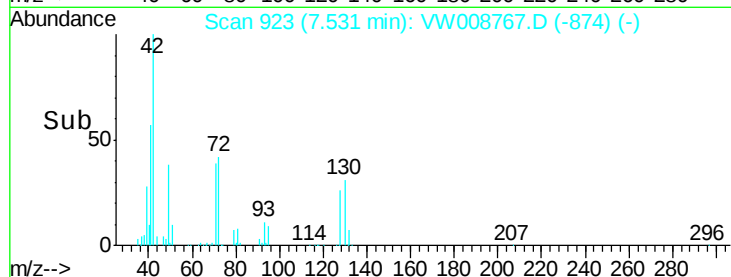
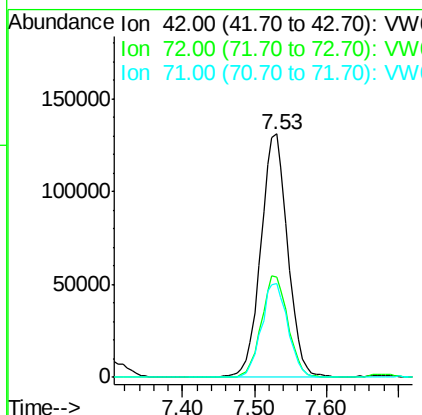
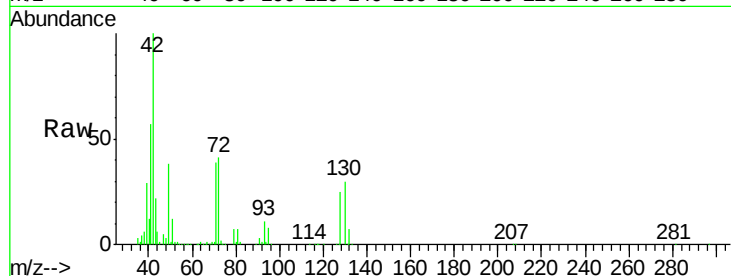
#29
Tetrahydrofuran
Concen: 540.197 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	338939
Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.7	49.1
71	38.2	31.3	46.9

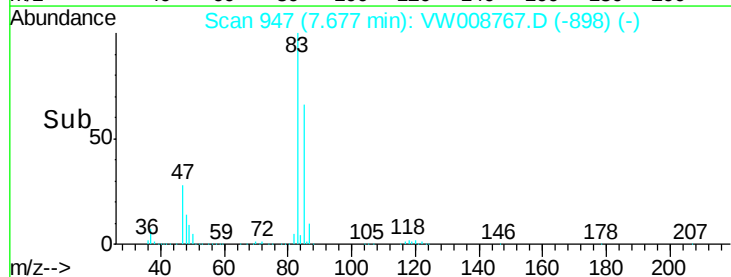
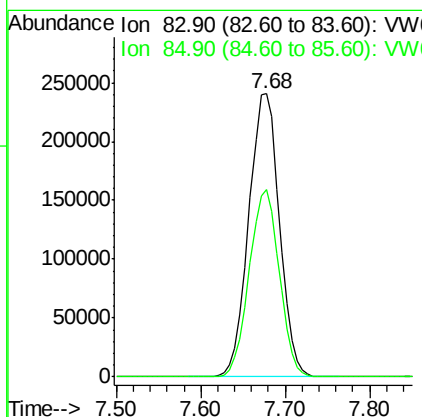
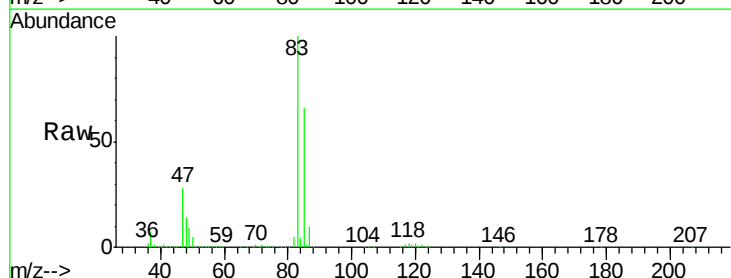
Manual Integrations
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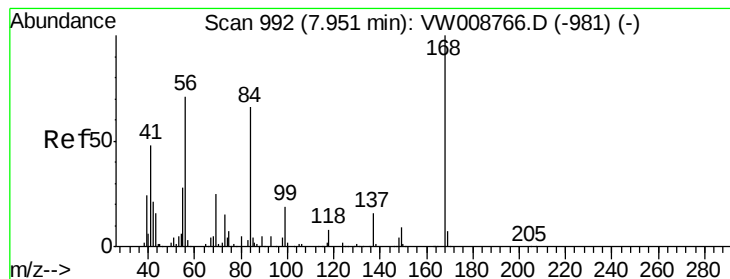
MMDadoda
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#30
Chloroform
Concen: 102.285 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion:	83	Resp:	593763
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	79.0





#31

Cyclohexane

Concen: 94.121 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

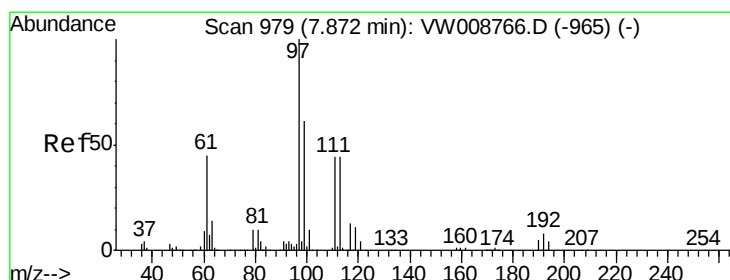
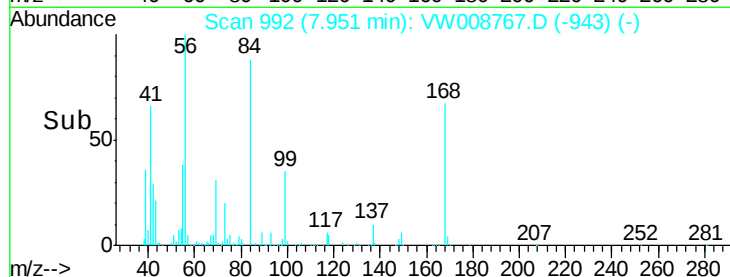
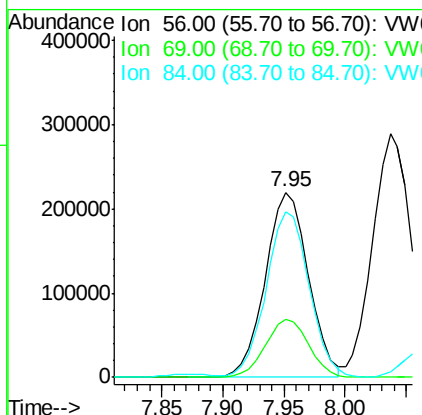
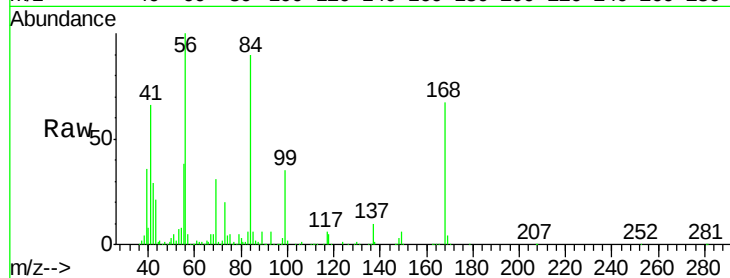
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	539103
Ion	Ratio	Lower	Upper
56	100		
69	31.3	28.2	42.4
84	88.0	74.1	111.1

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#32

1,1,1-Trichloroethane

Concen: 101.678 ug/l

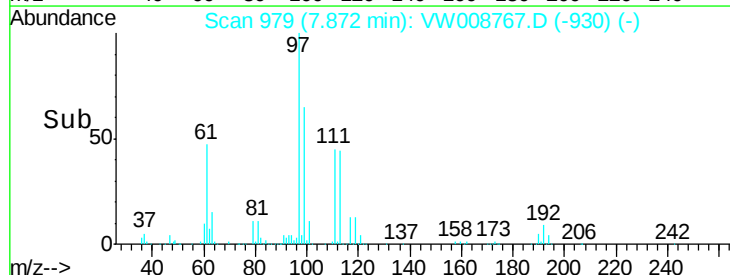
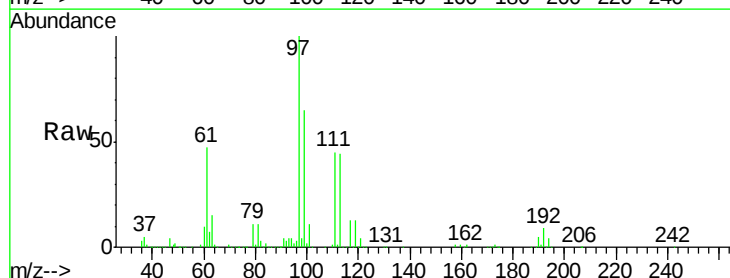
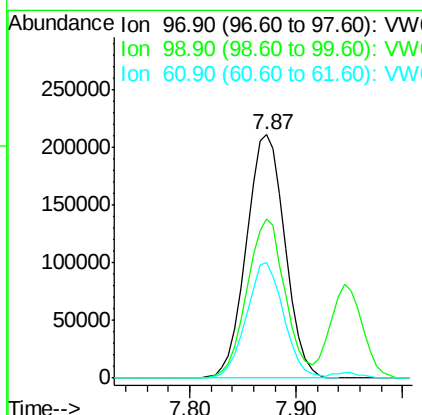
RT: 7.87 min Scan# 979

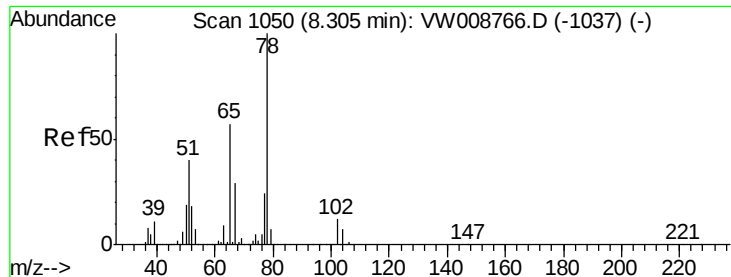
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	97	Resp:	536769
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	45.7	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 100.674 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 305871

Ion Ratio Lower Upper

65 100

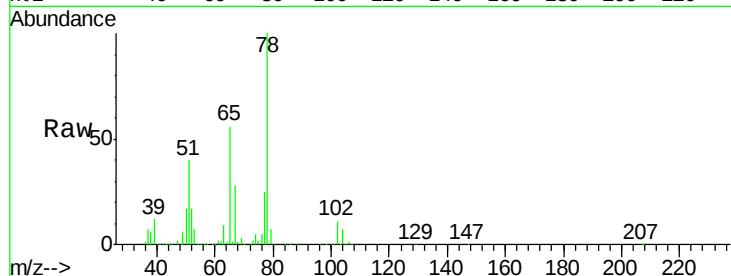
67 51.8 0.0 101.4

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

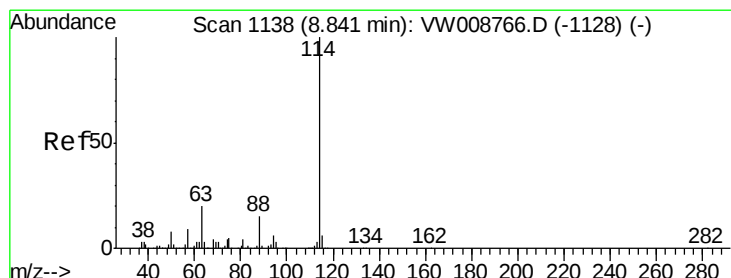
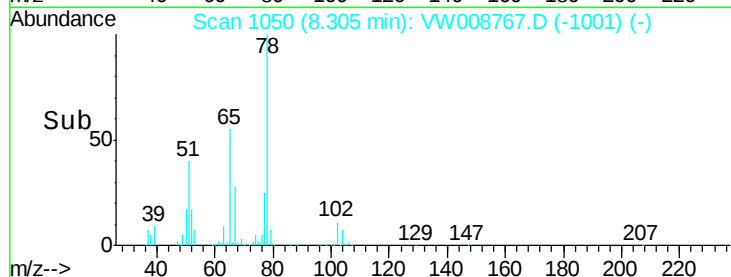
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

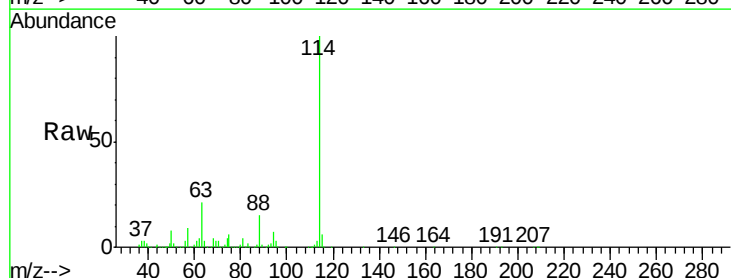
Tgt Ion: 114 Resp: 472250

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

300000

250000

200000

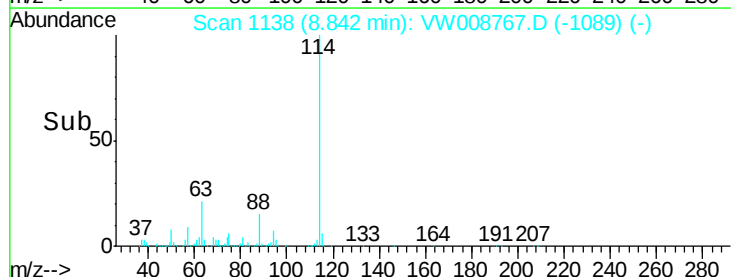
150000

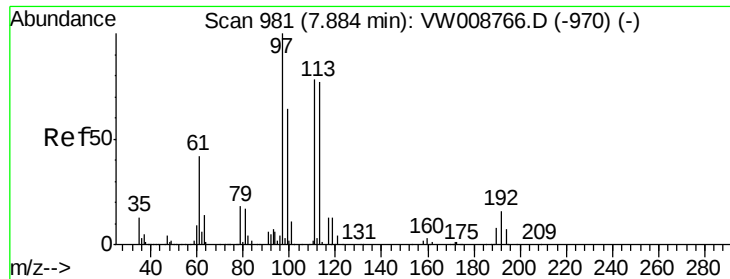
100000

50000

0

Time-->





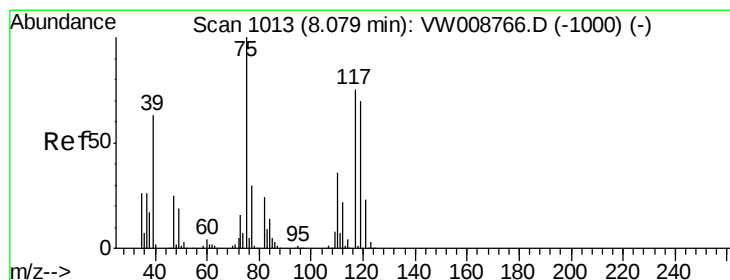
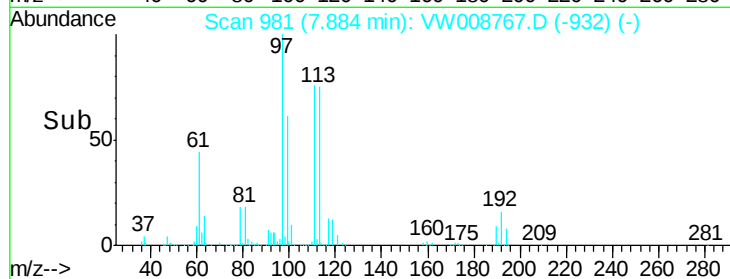
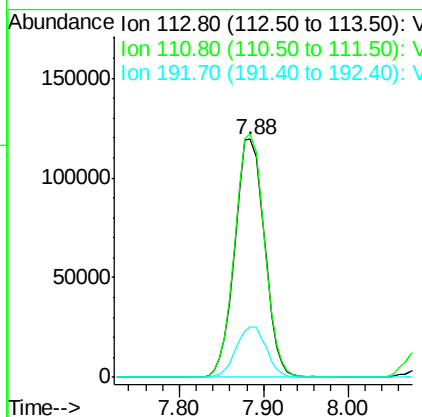
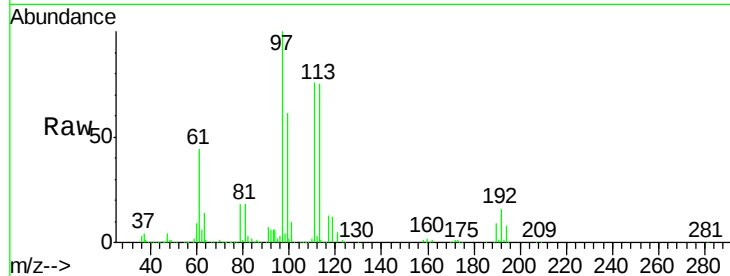
#35
 Dibromofluoromethane
 Concen: 100.744 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	21.6	17.1	25.7

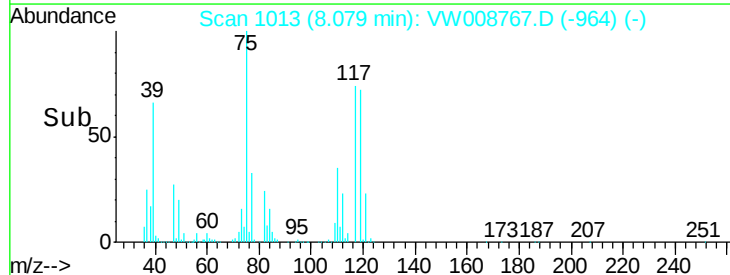
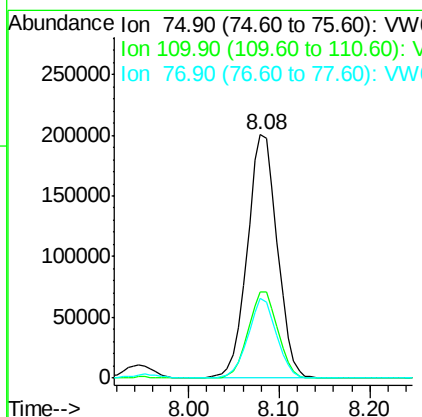
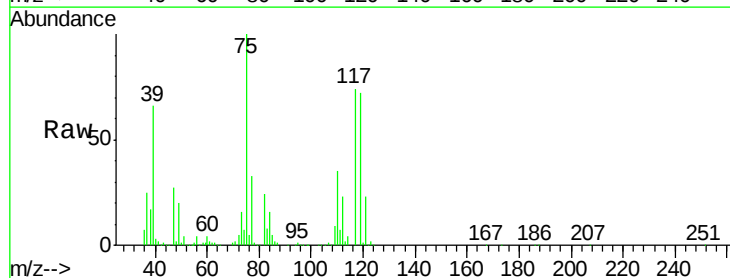
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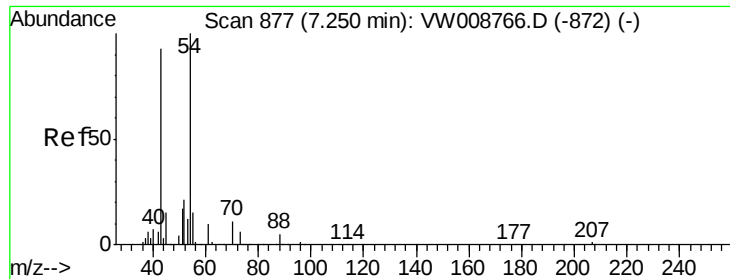
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#36
 1,1-Dichloropropene
 Concen: 99.218 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.5	52.6
77	31.3	24.5	36.7





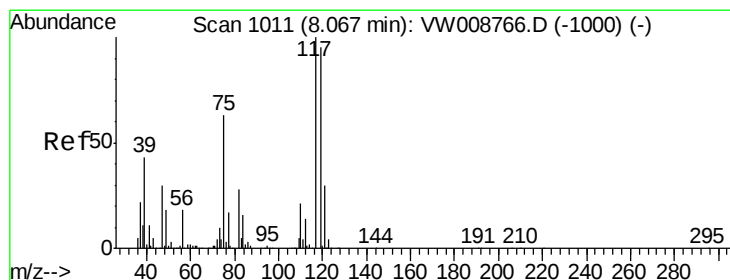
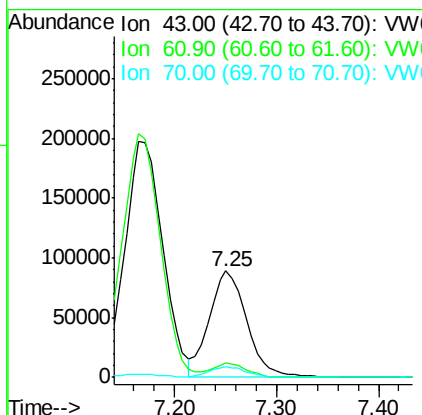
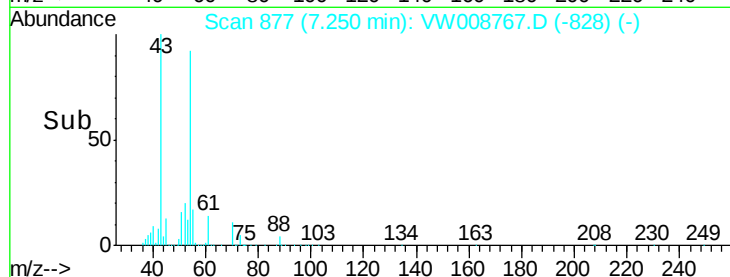
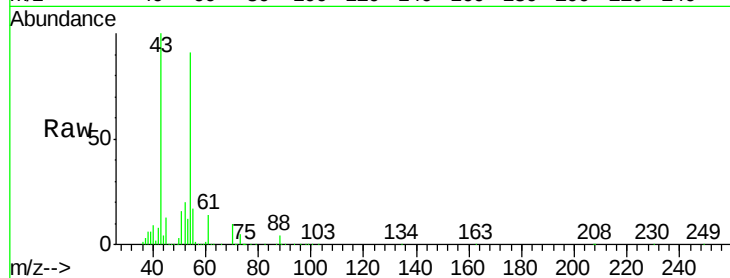
#37
Ethyl Acetate
Concen: 105.839 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.4	9.8	14.8	
70	9.7	8.4	12.6	

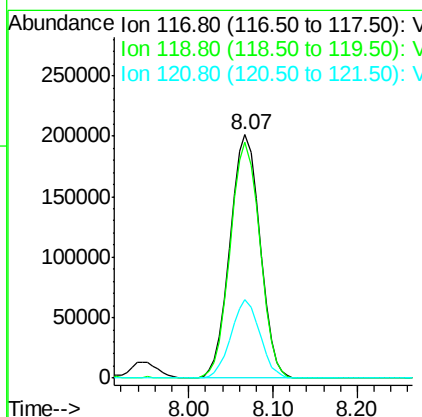
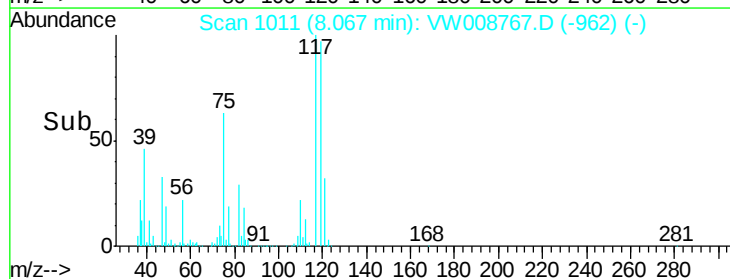
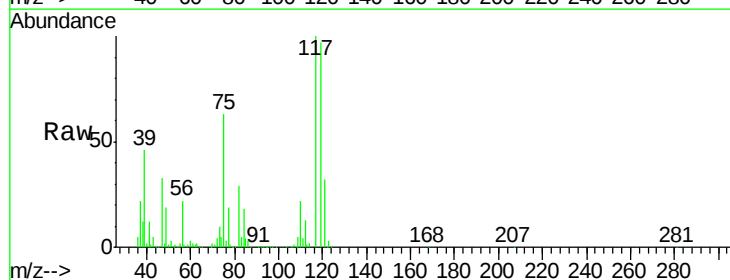
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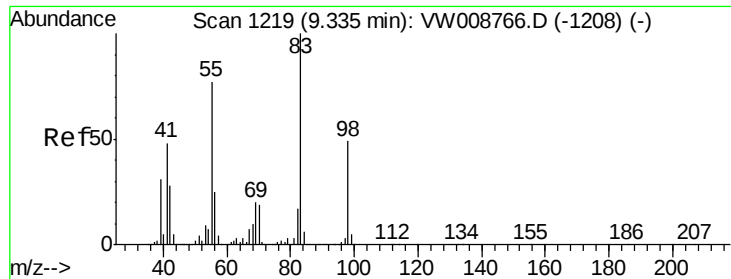
MMDadoda
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#38
Carbon Tetrachloride
Concen: 99.868 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	76.1	114.1	
121	32.2	24.0	36.0	





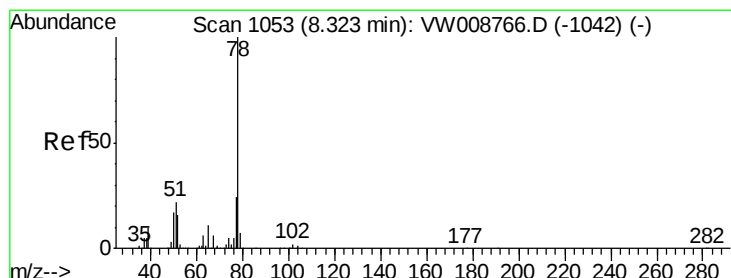
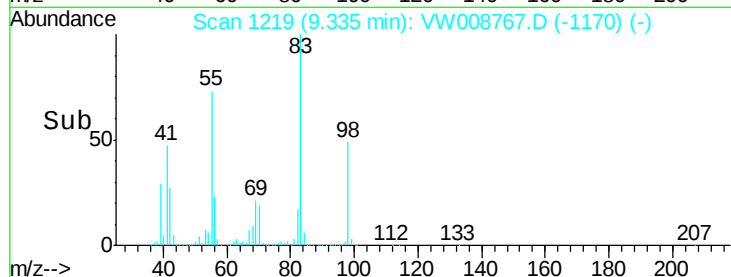
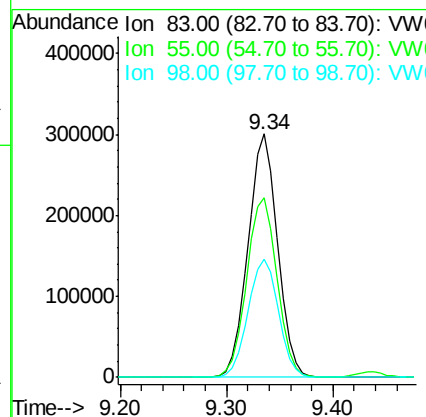
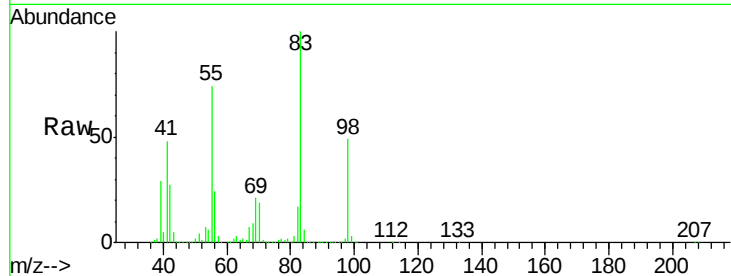
#39
Methvlcvclohexane
Concen: 102.272 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	586427		
55	73.5		61.2	91.8
98	48.7		39.4	59.2

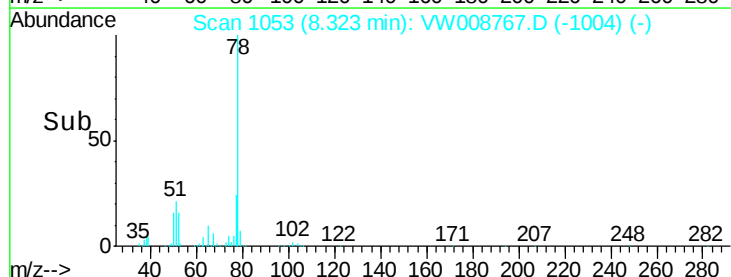
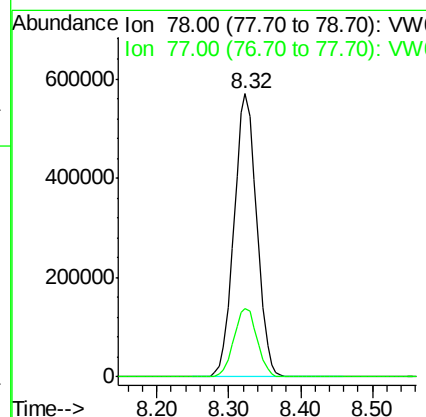
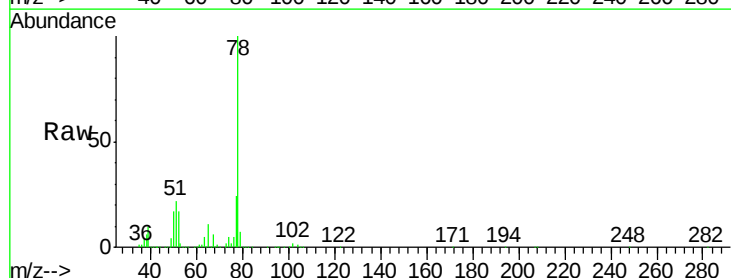
Manual Integrations
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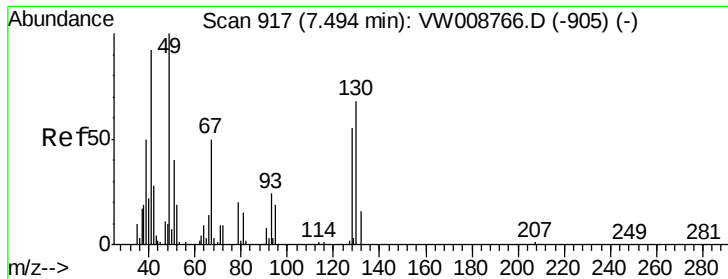
MMDadoda
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#40
Benzene
Concen: 99.703 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1251412		
77	24.0		19.3	28.9





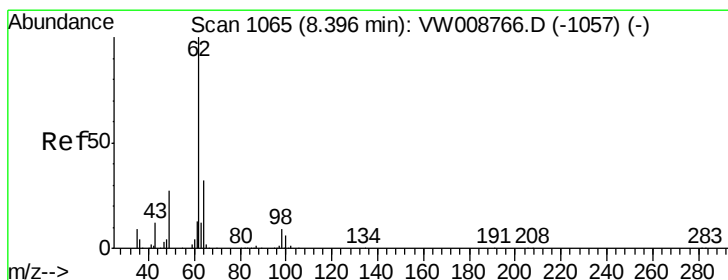
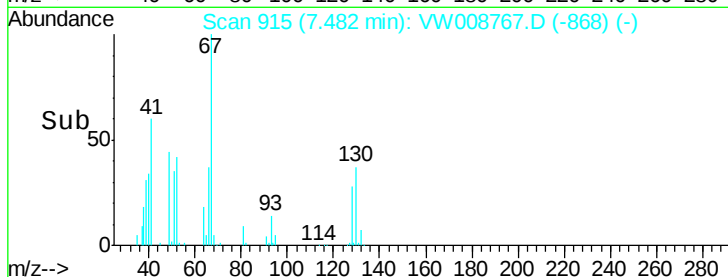
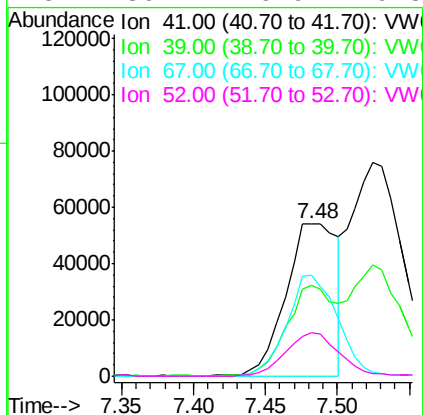
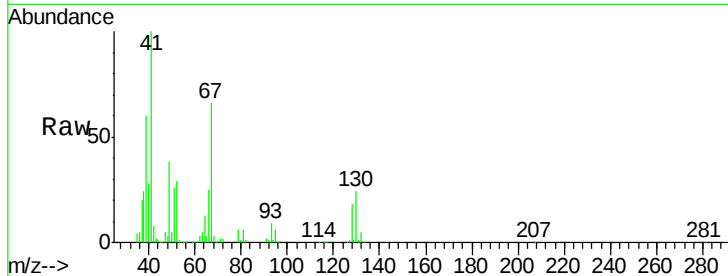
#41
Methacrylonitrile
Concen: 106.736 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	52.5	78.7
67	66.0	55.0	82.6
52	30.4	26.9	40.3

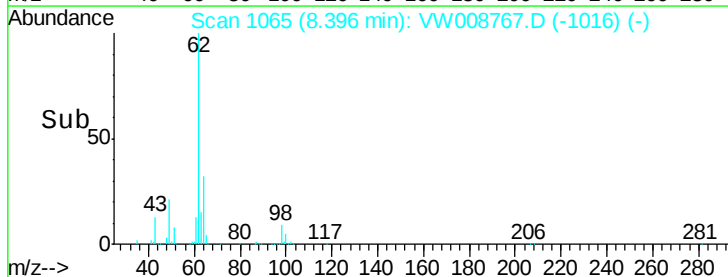
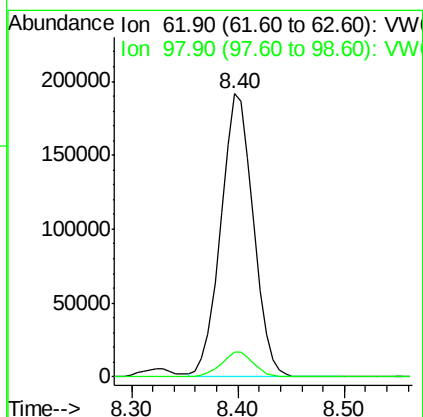
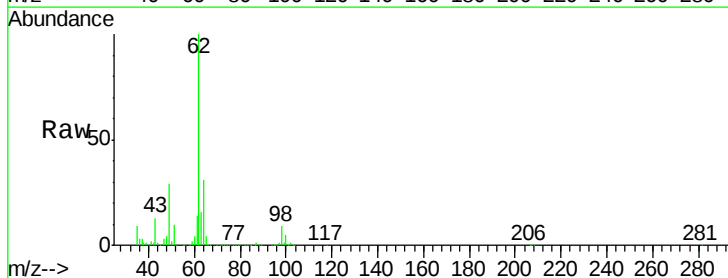
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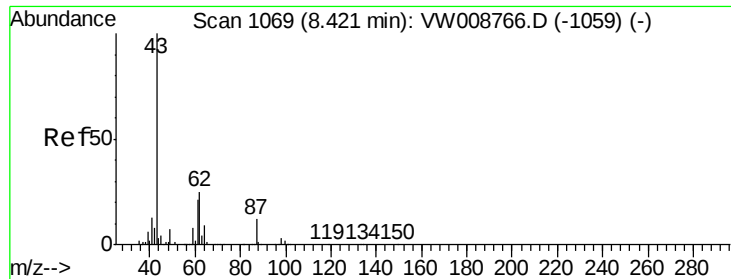
MMDadoda
2/22/2019 12:25:27 PM



#42
1,2-Dichloroethane
Concen: 102.706 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 104.727 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

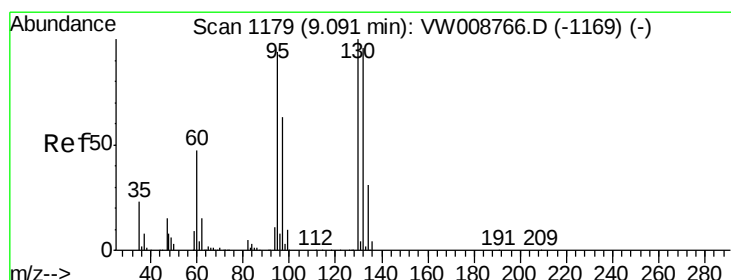
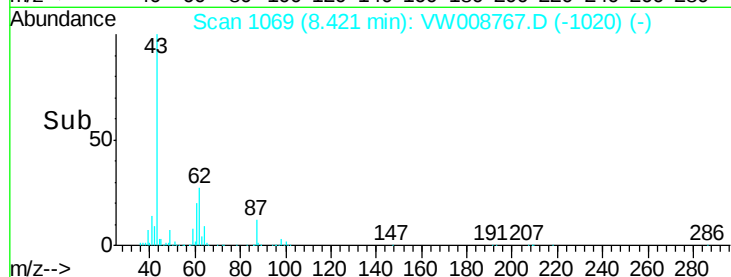
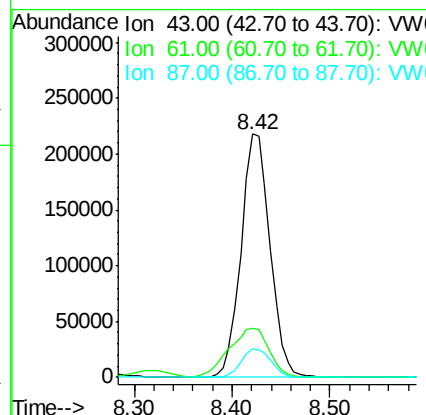
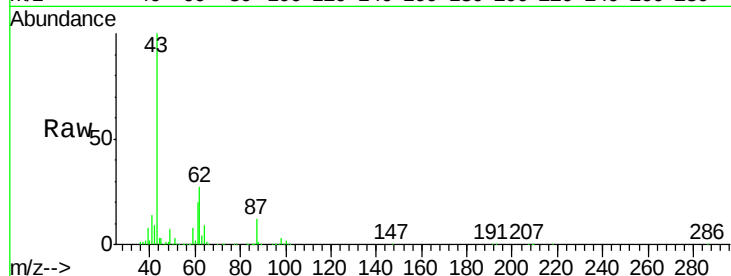
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	446821
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.2	34.8
87	12.3	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 99.169 ug/l

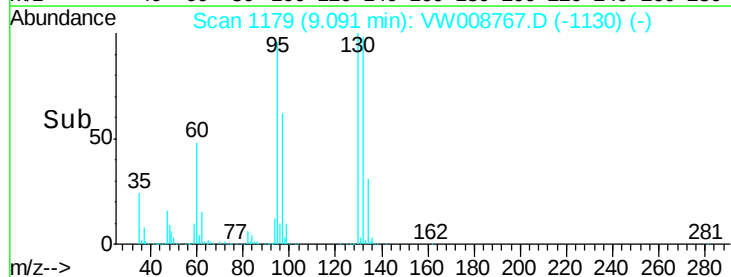
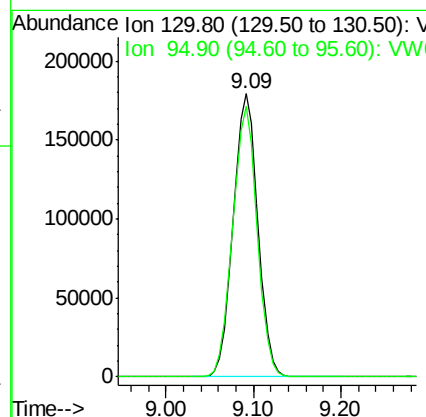
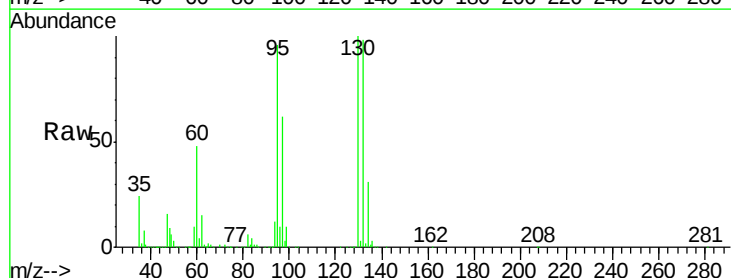
RT: 9.09 min Scan# 1179

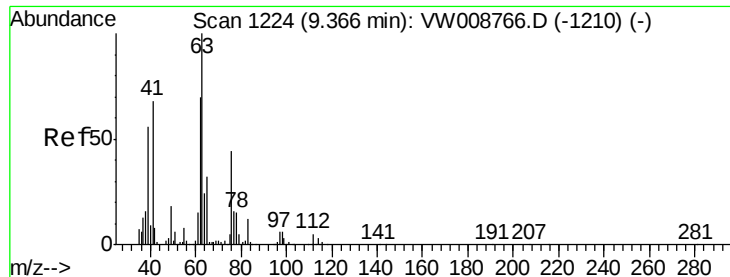
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	130	Resp:	350644
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	188.6





#45

1,2-Dichloropropane

Concen: 99.497 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 308604

Ion Ratio Lower Upper

63 100

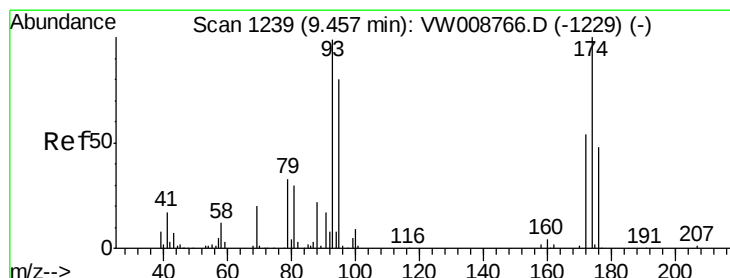
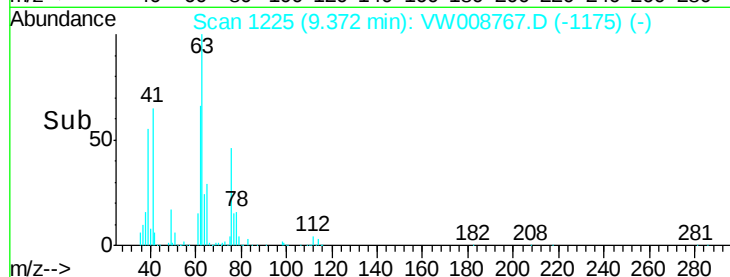
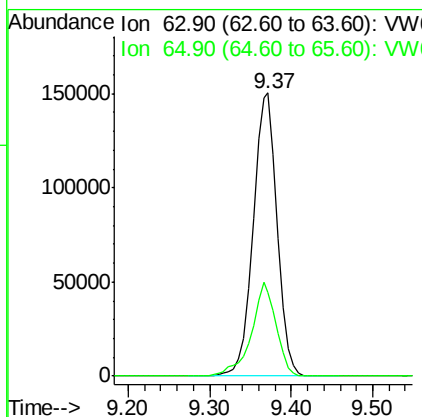
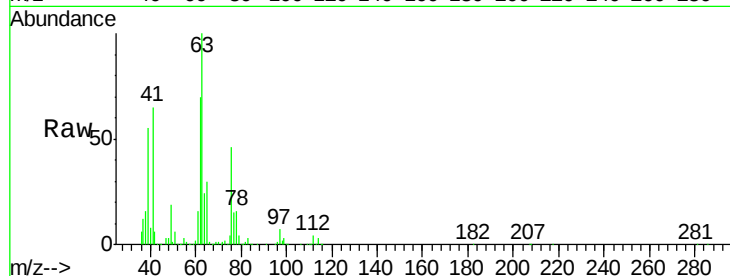
65 29.5 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 102.495 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

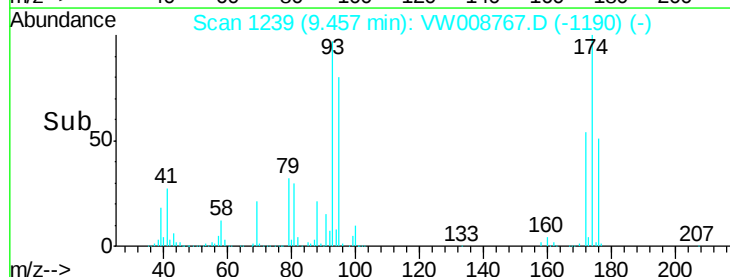
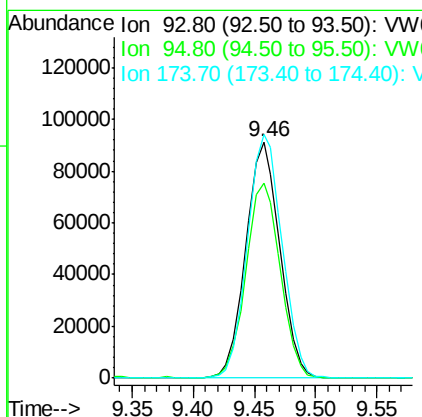
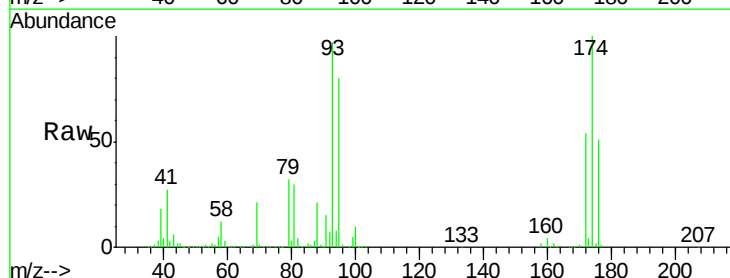
Tgt Ion: 93 Resp: 176829

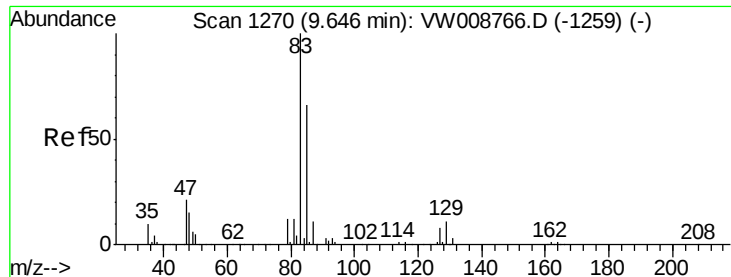
Ion Ratio Lower Upper

93 100

95 83.6 67.7 101.5

174 105.2 86.7 130.1





#47

Bromodichloromethane

Concen: 103.052 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

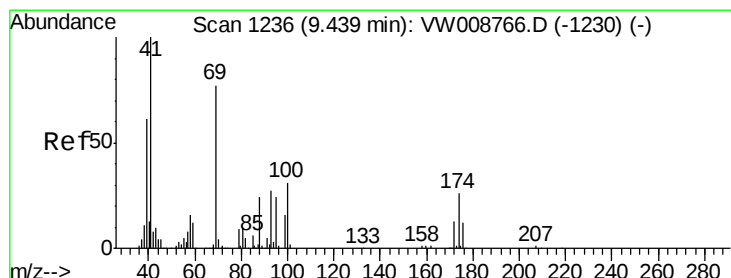
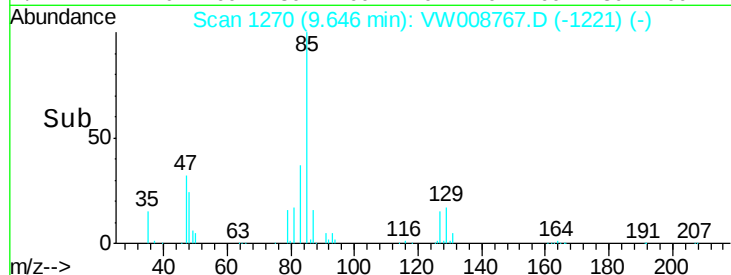
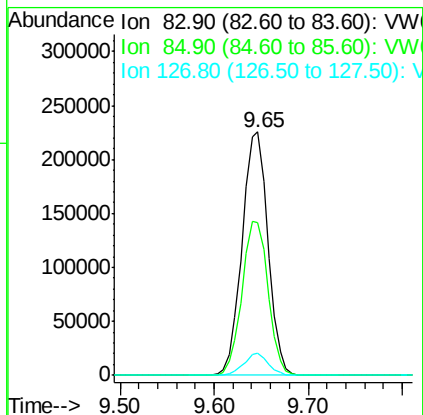
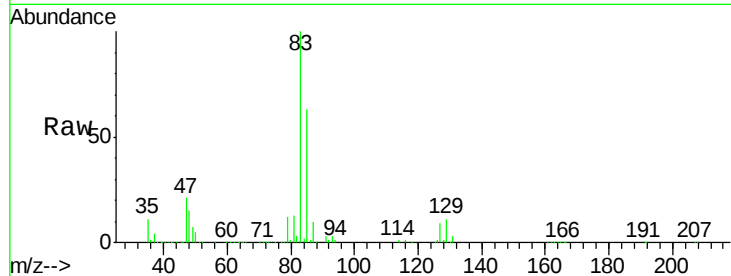
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	432567
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.5	78.7
127	9.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 108.925 ug/l

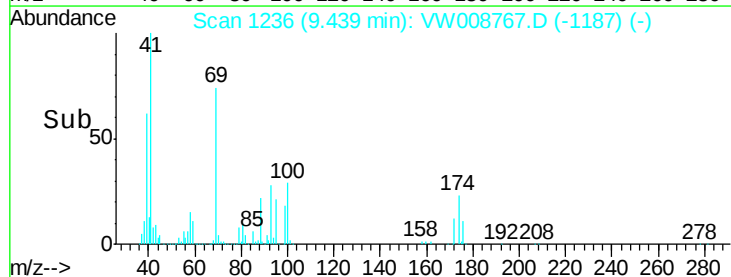
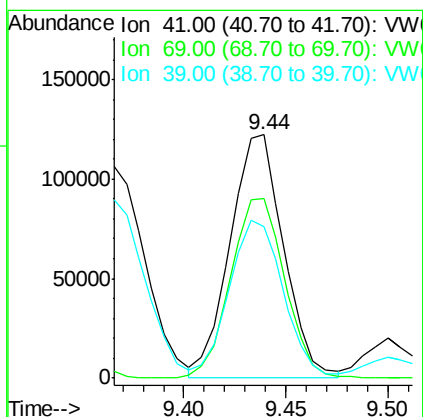
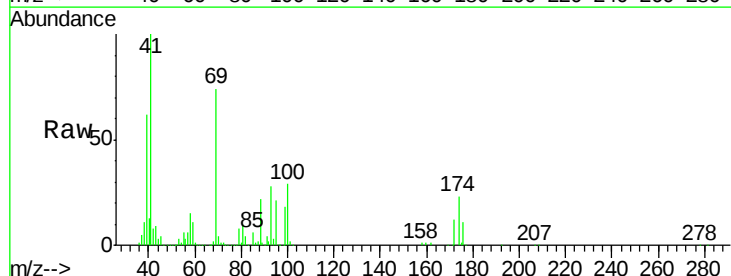
RT: 9.44 min Scan# 1236

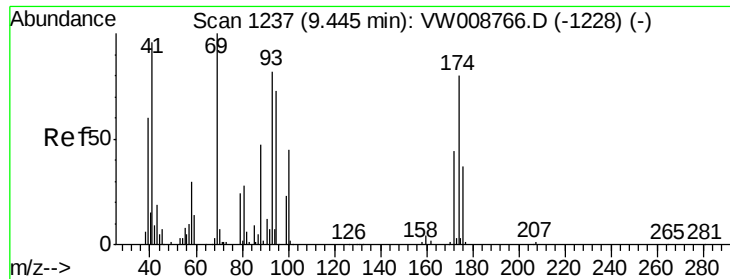
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	41	Resp:	222578
Ion	Ratio	Lower	Upper
41	100		
69	74.7	63.6	95.4
39	61.6	52.1	78.1





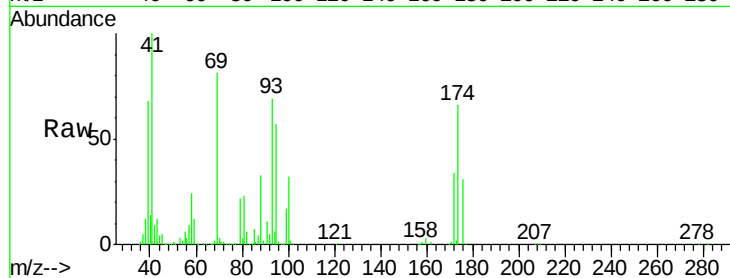
#49
1,4-Dioxane
Concen: 2078.856 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.0	43.4
58	68.6	52.0	78.0

Manual Integrations
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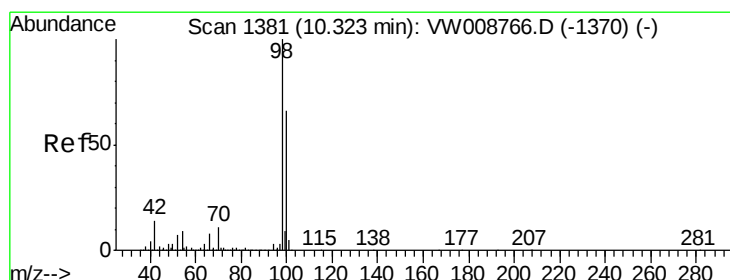
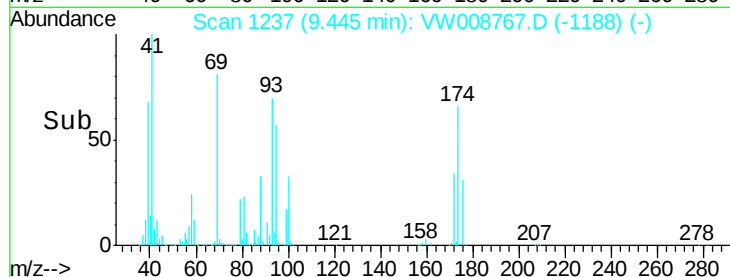
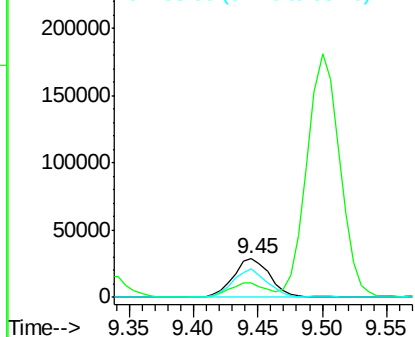


Abundance

Ion 88.00 (87.70 to 88.70): VW

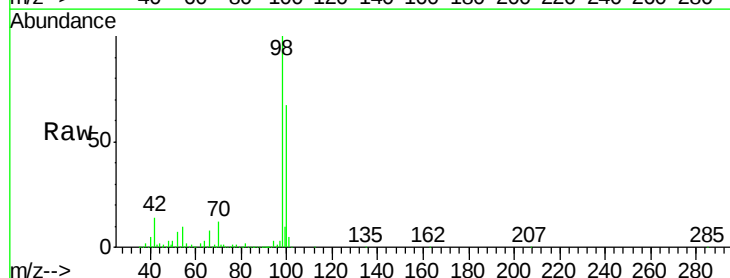
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 99.286 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

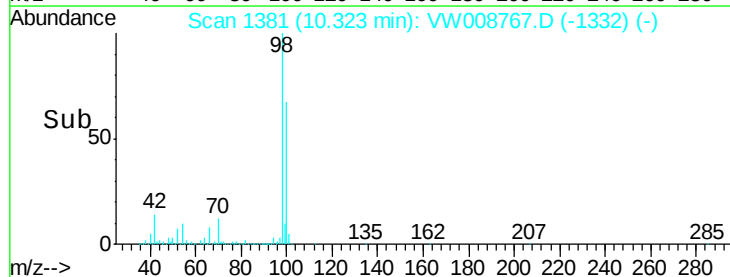
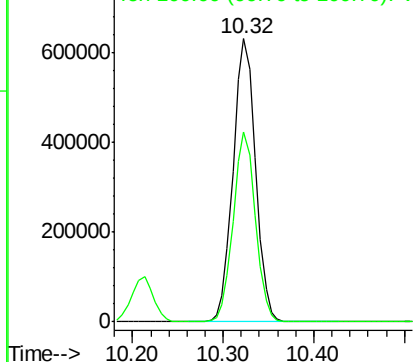
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.4	78.6

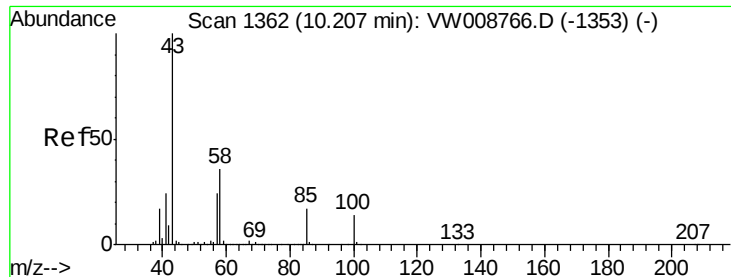


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 522.030 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1130769

Ion Ratio Lower Upper

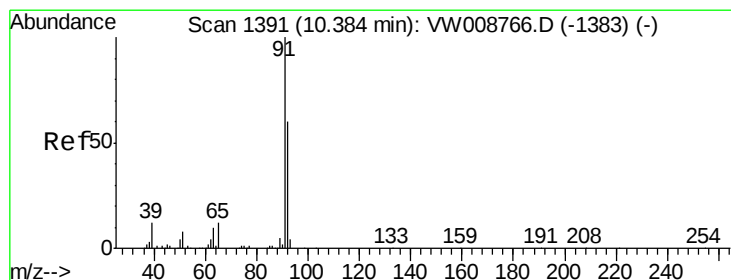
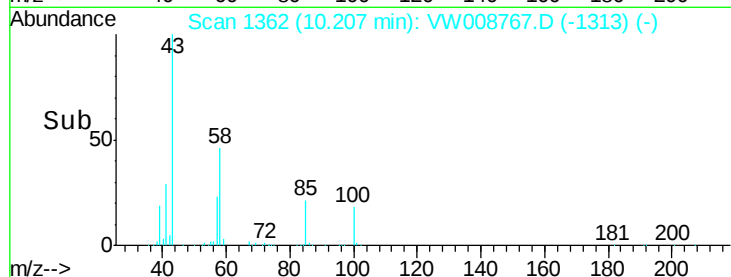
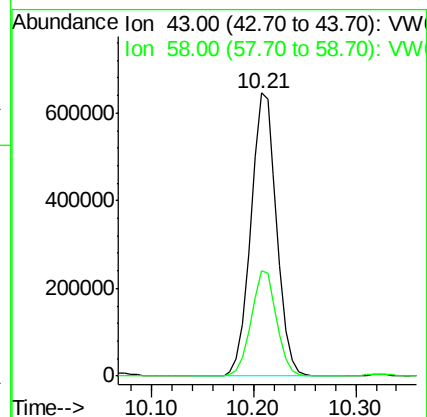
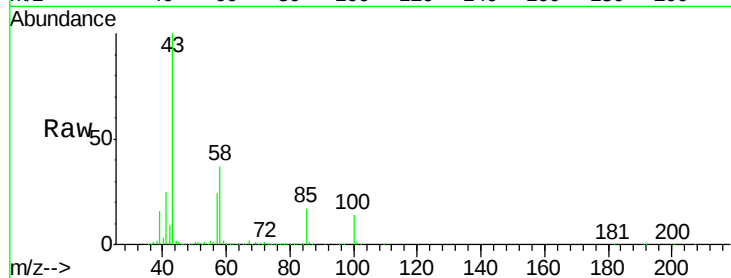
43 100

58 36.8 29.1 43.7

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#52

Toluene

Concen: 99.567 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008767.D

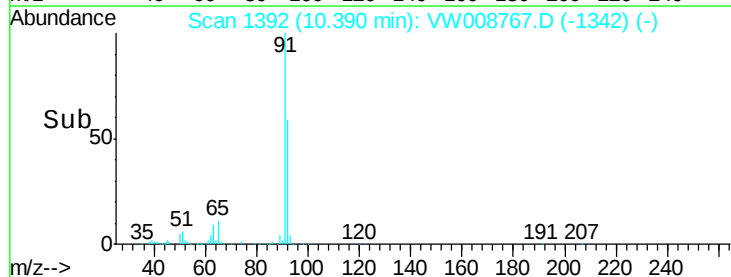
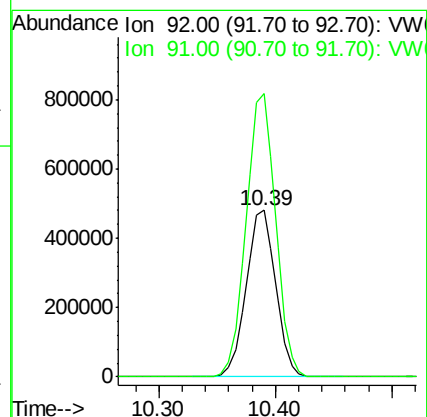
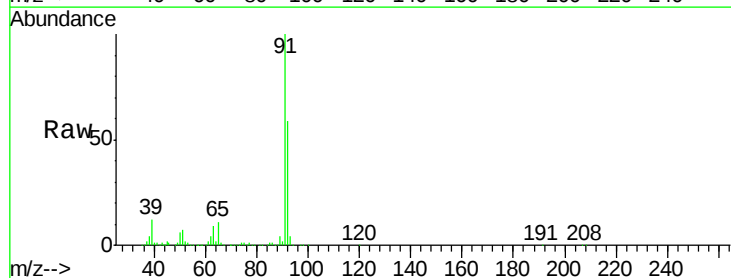
Acq: 21 Feb 2019 12:38

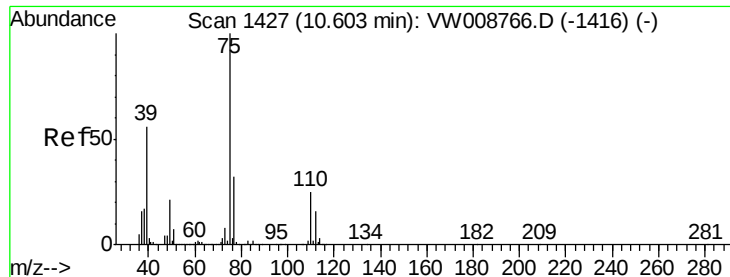
Tgt Ion: 92 Resp: 848138

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 105.923 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 453182

Ion Ratio Lower Upper

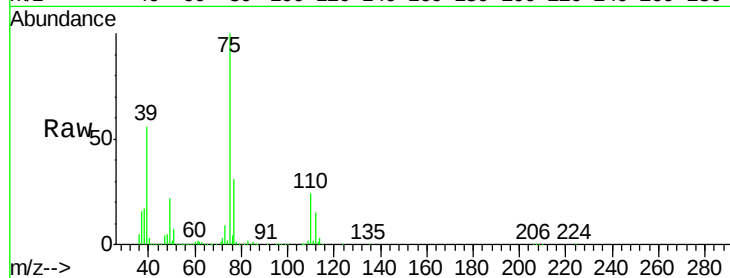
75 100

77 30.8 26.1 39.1

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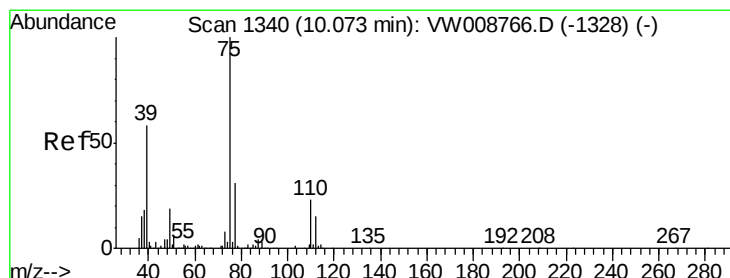
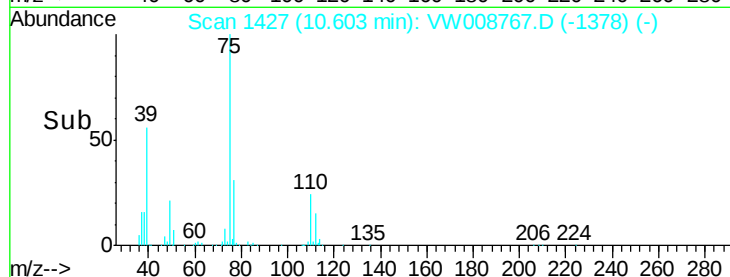
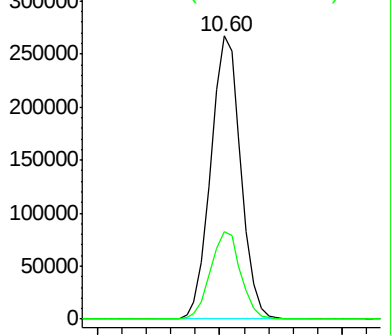
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 104.666 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

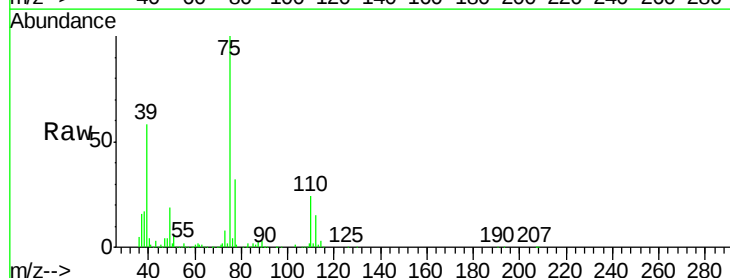
Tgt Ion: 75 Resp: 510728

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

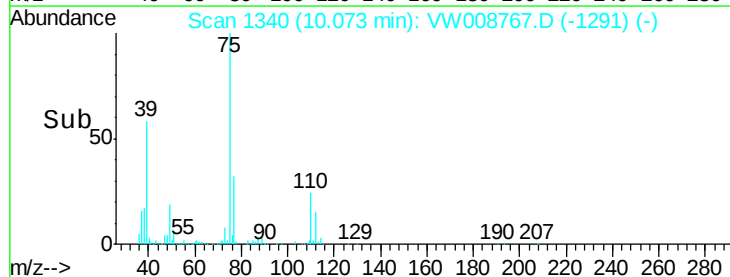
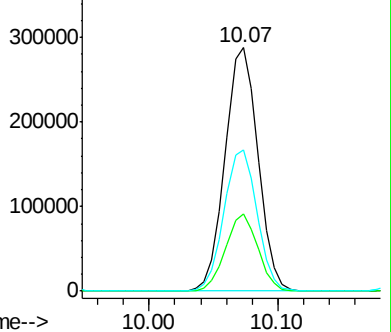
39 57.7 46.6 70.0

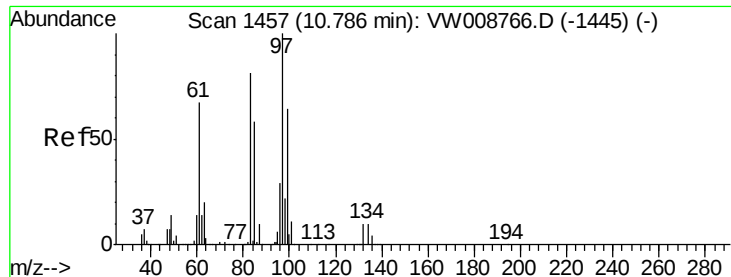


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





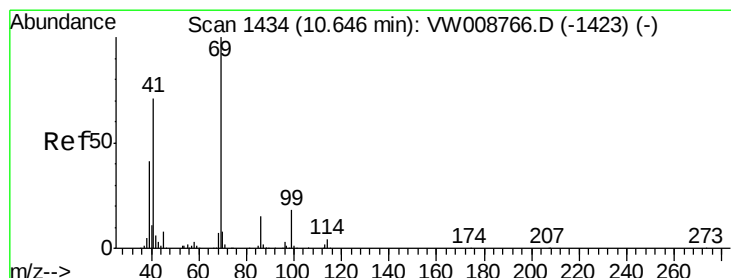
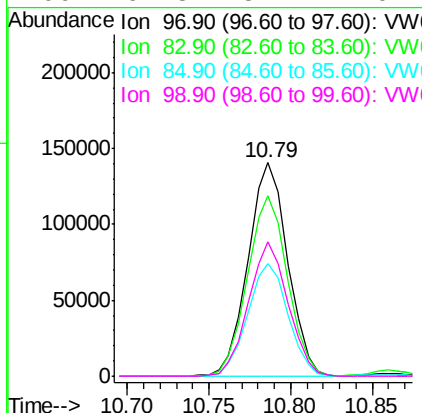
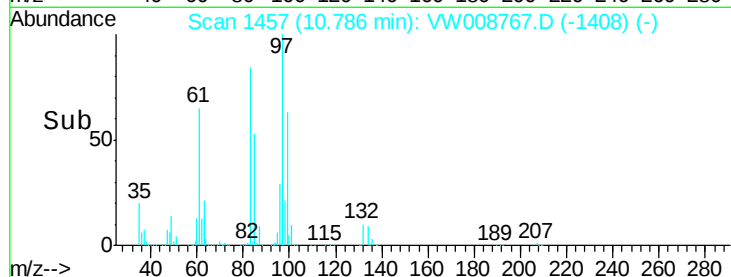
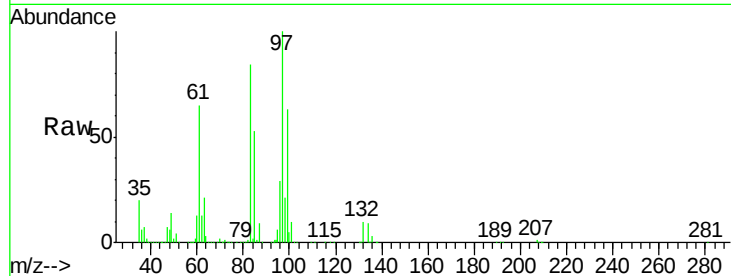
#55
 1,1,2-Trichloroethane
 Concen: 101.875 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	238357		
83	84.2	65.0	97.6	
85	52.8	46.0	69.0	
99	62.8	51.1	76.7	

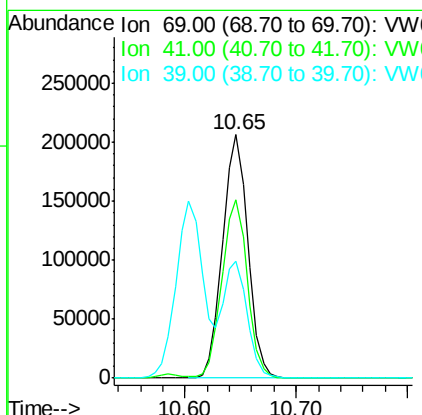
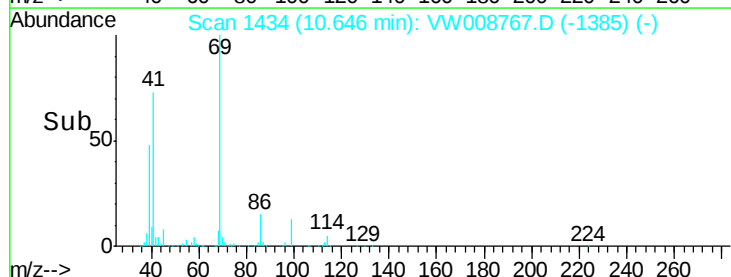
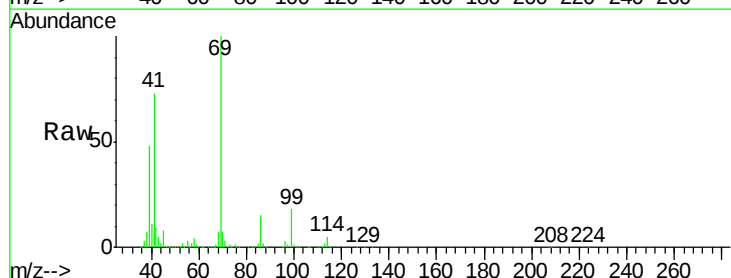
Manual Integrations
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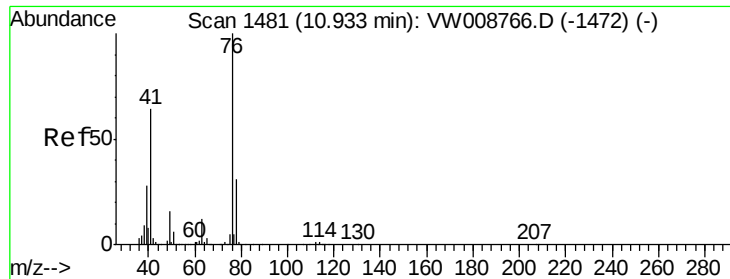
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#56
 Ethyl methacrylate
 Concen: 106.533 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	323837		
41	73.2	57.4	86.0	
39	44.7	34.8	52.2	





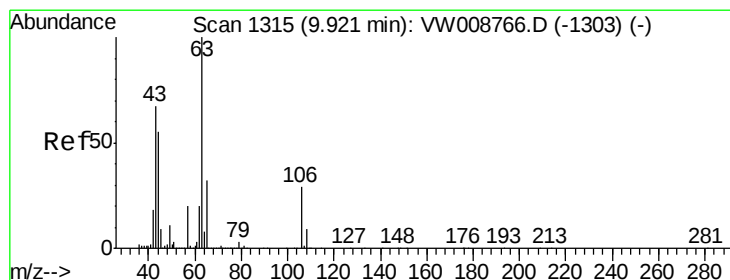
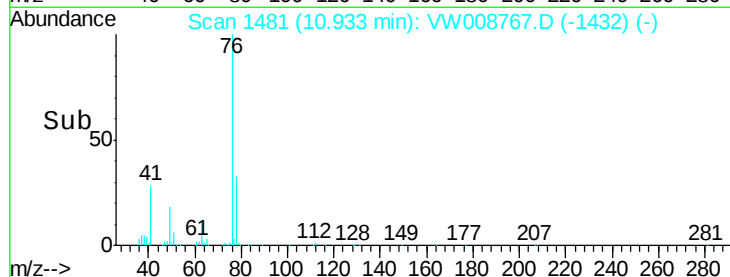
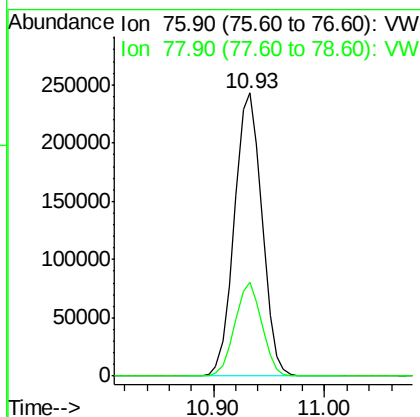
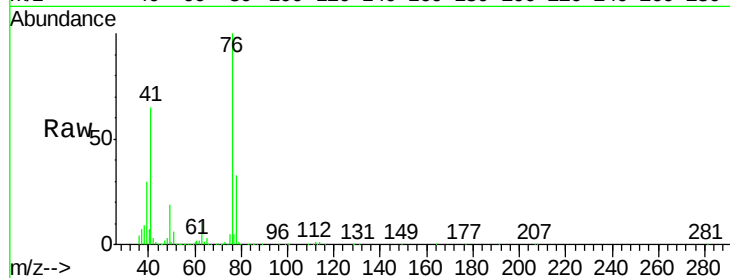
#57
 1,3-Dichloropropane
 Concen: 100.738 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 416147
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

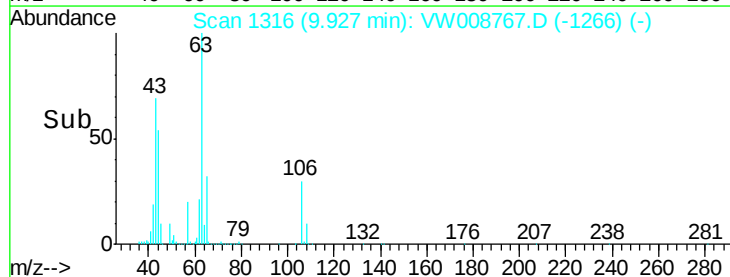
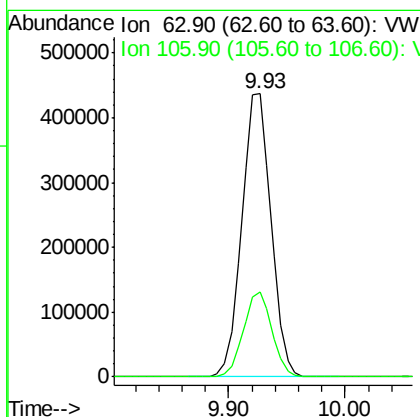
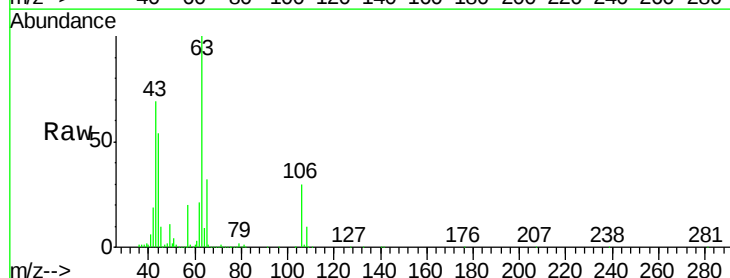
Manual Integrations
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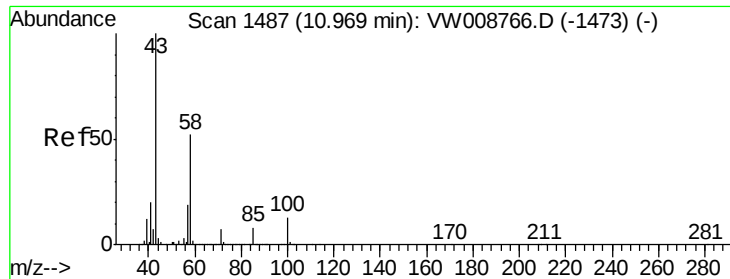
MMDadoda
 2/22/2019 12:25:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 501.088 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Tgt Ion: 63 Resp: 766082
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.0 36.0





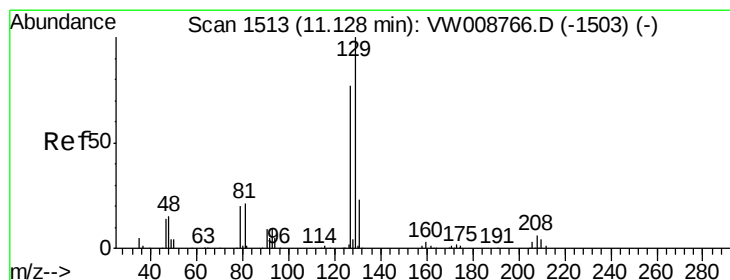
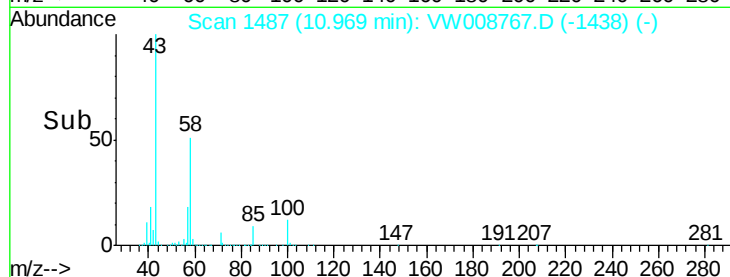
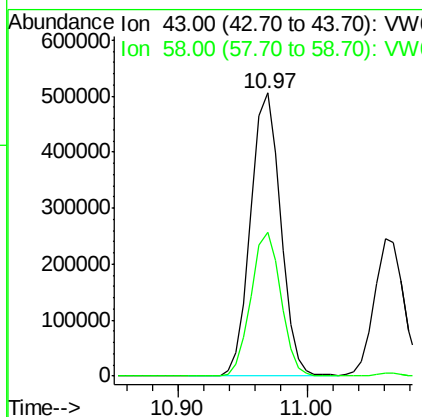
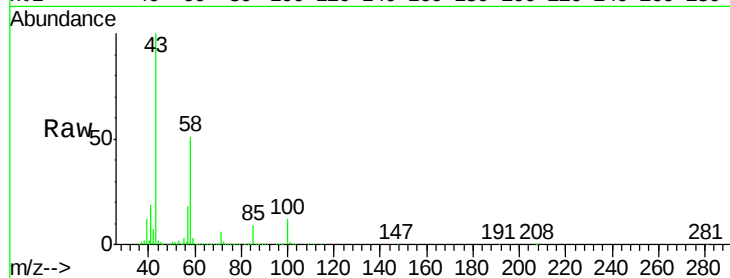
#59
2-Hexanone
Concen: 526.039 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.3	75.8

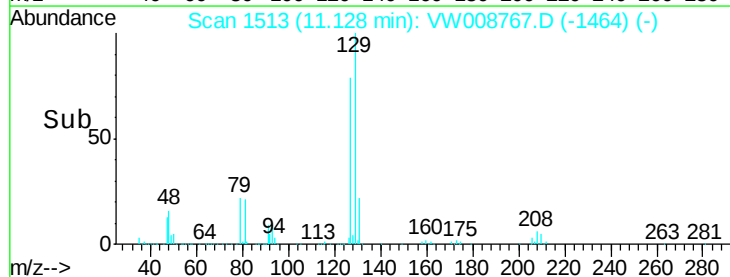
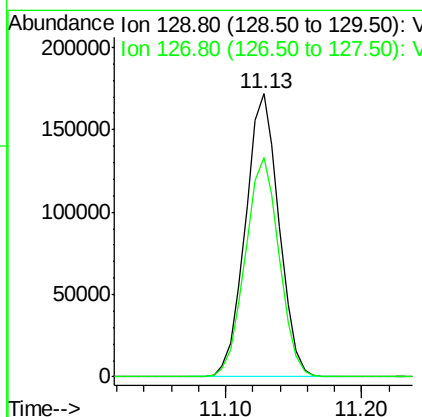
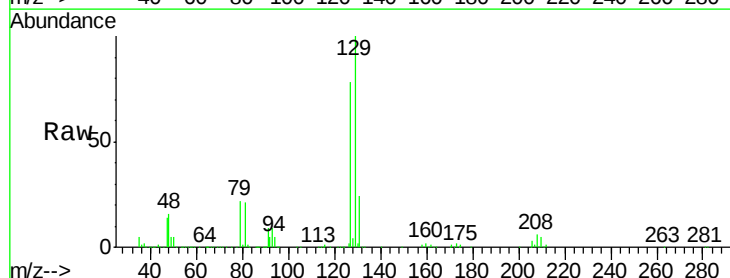
Manual Integrations
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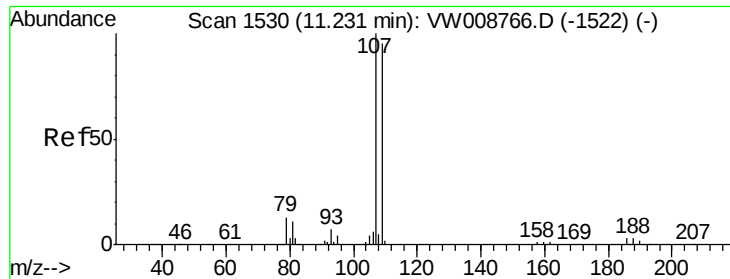
MMDadoda
2/22/2019 12:25:27 PM



#60
Dibromochloromethane
Concen: 104.011 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.0	116.9





#61

1,2-Dibromoethane

Concen: 101.664 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 235448

Ion Ratio Lower Upper

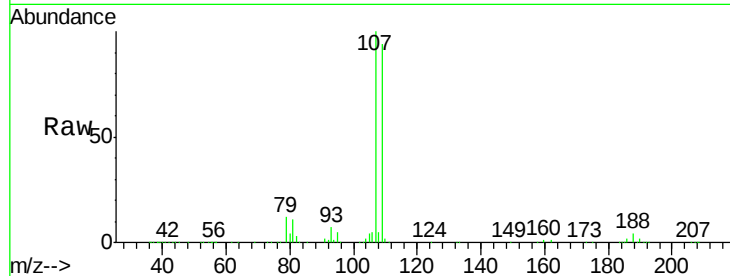
107 100

109 94.0 75.6 113.4

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

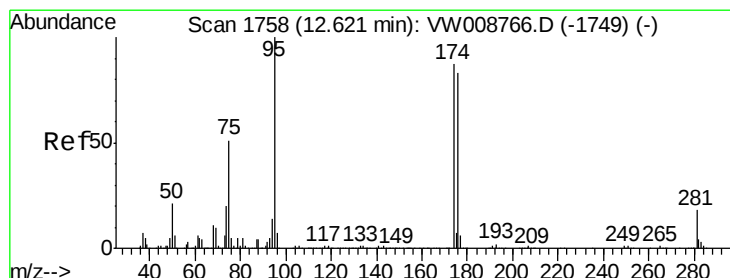
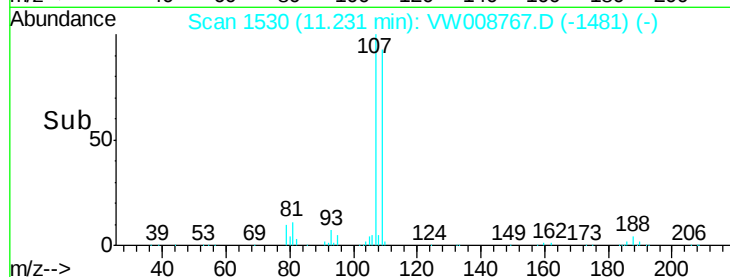
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 97.698 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

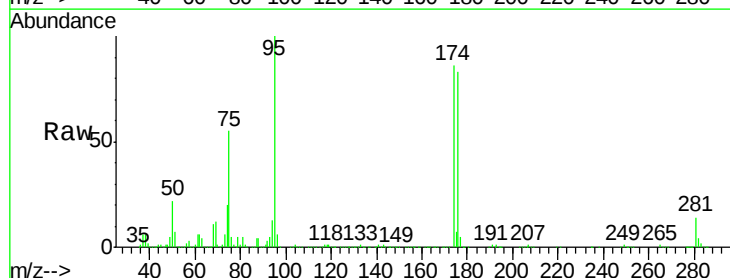
Tgt Ion: 95 Resp: 418703

Ion Ratio Lower Upper

95 100

174 83.1 0.0 169.2

176 80.7 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

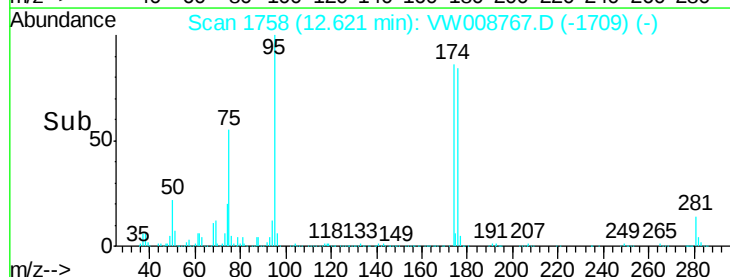
300000

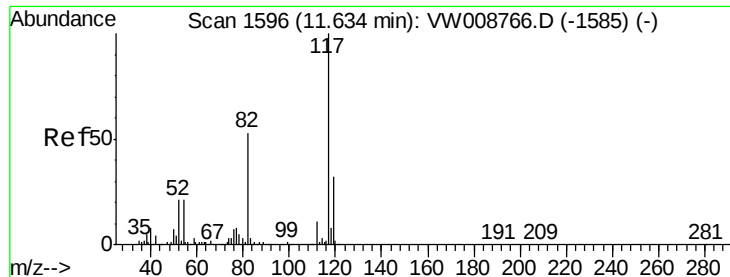
200000

100000

0

Time-->





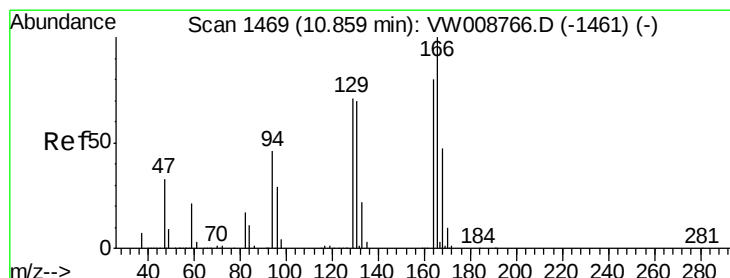
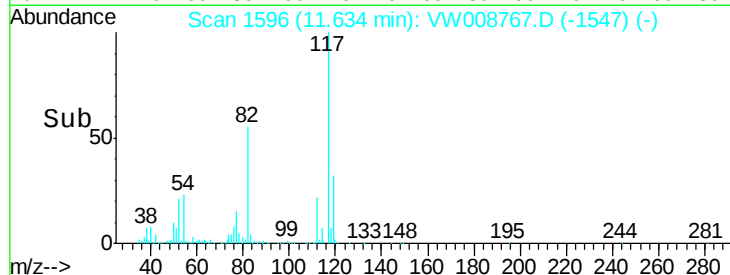
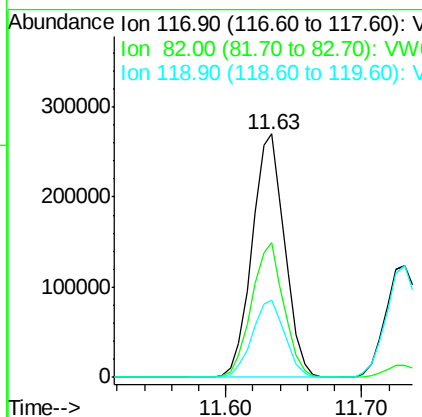
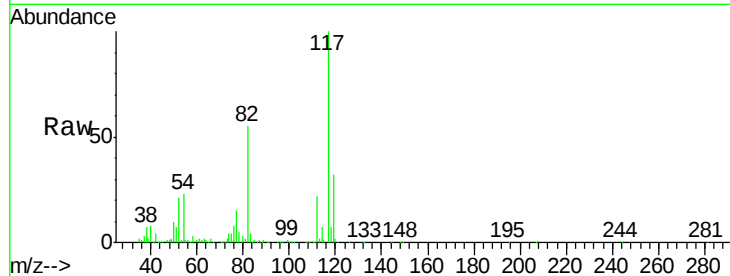
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	452711		
82	55.2	42.2	63.4	
119	31.7	25.9	38.9	

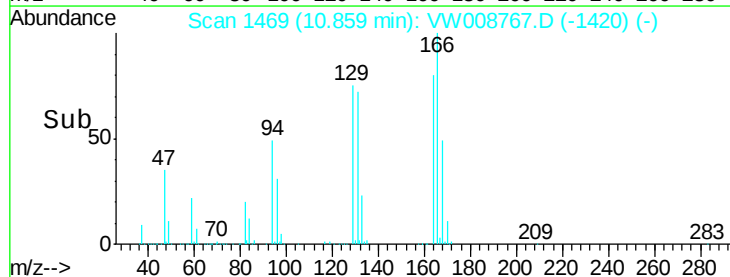
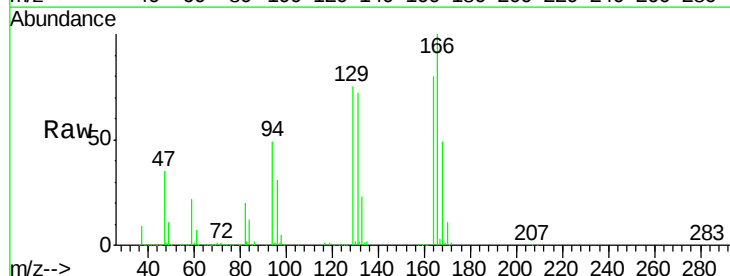
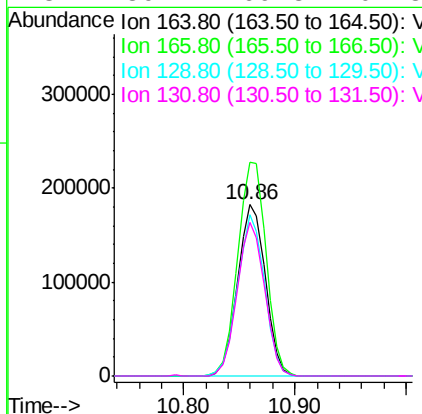
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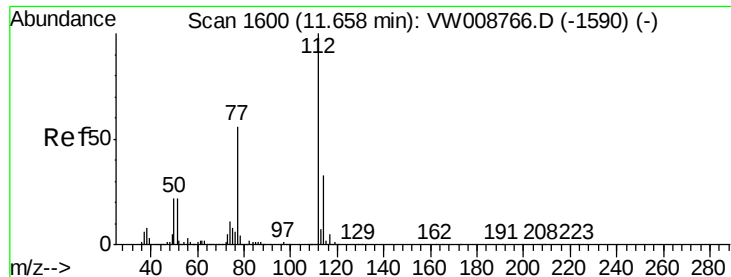
MMDadoda
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#64
Tetrachloroethene
Concen: 97.057 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	314521		
166	124.7	99.5	149.3	
129	94.0	71.1	106.7	
131	89.4	69.8	104.8	





#65

Chlorobenzene

Concen: 98.753 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 940052

Ion Ratio Lower Upper

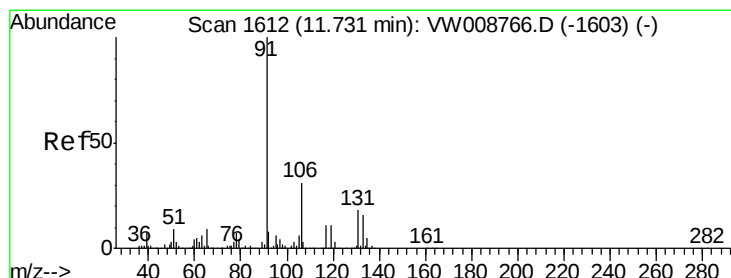
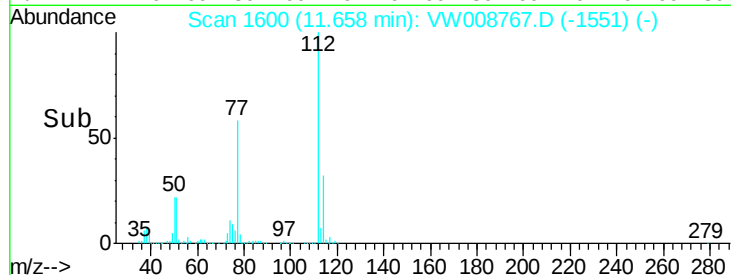
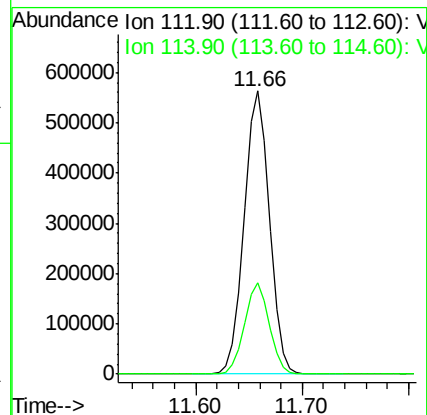
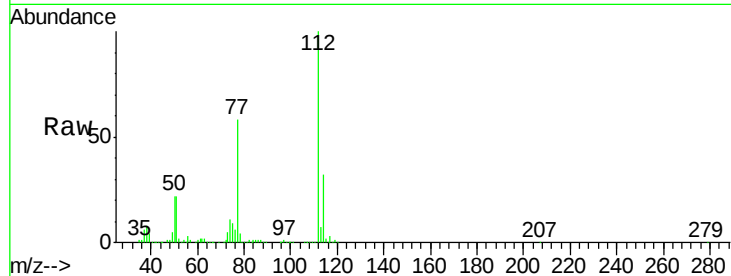
112 100

114 32.2 26.6 40.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 100.685 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

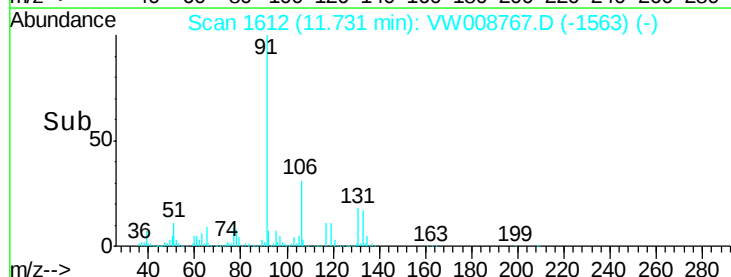
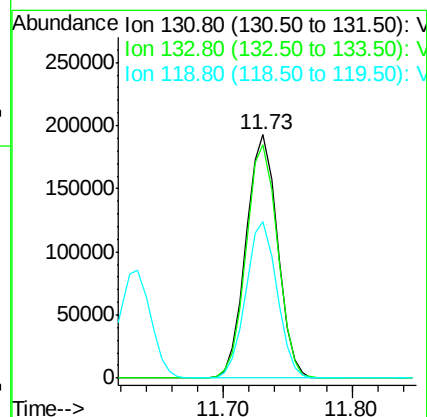
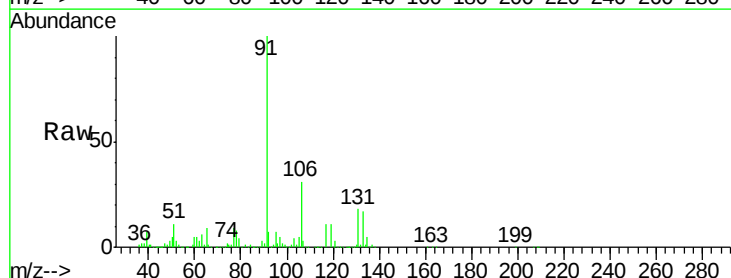
Tgt Ion:131 Resp: 324074

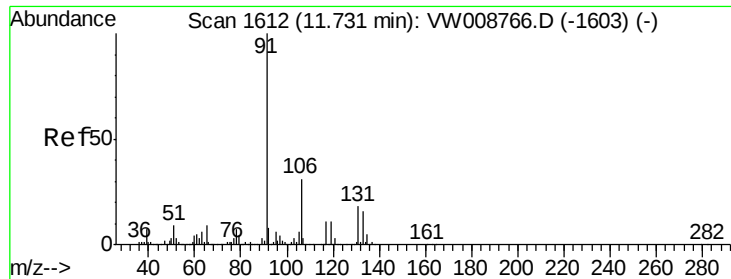
Ion Ratio Lower Upper

131 100

133 95.7 46.7 140.0

119 63.9 30.8 92.4





#67

Ethyl Benzene

Concen: 100.764 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1714715

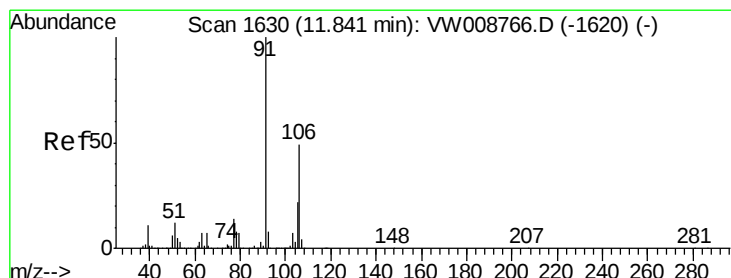
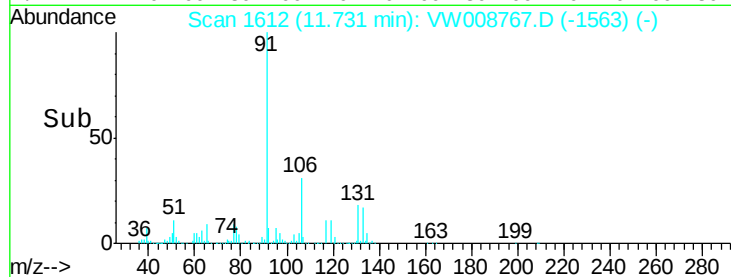
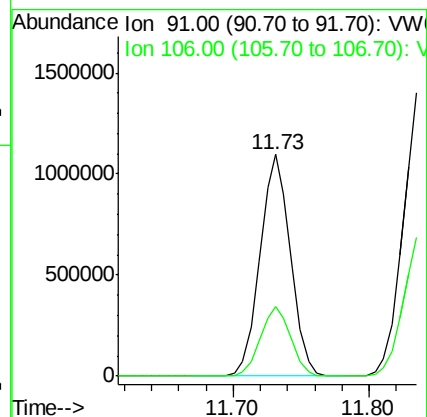
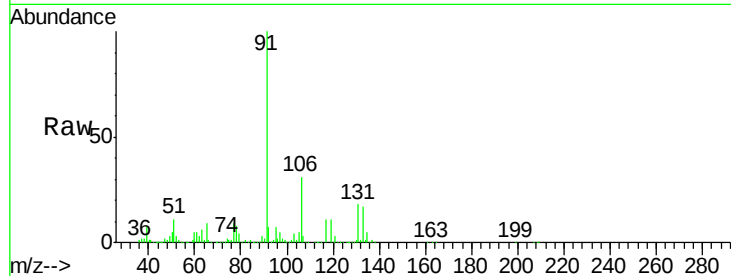
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 200.477 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008767.D

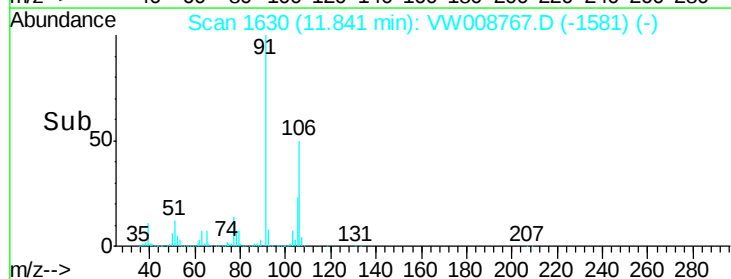
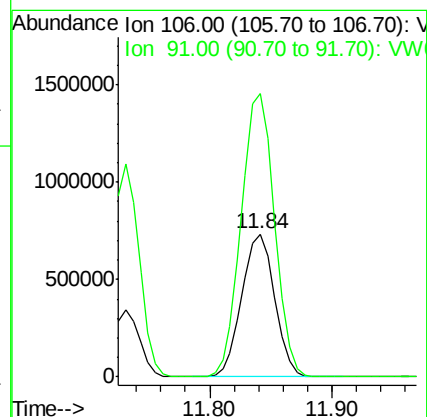
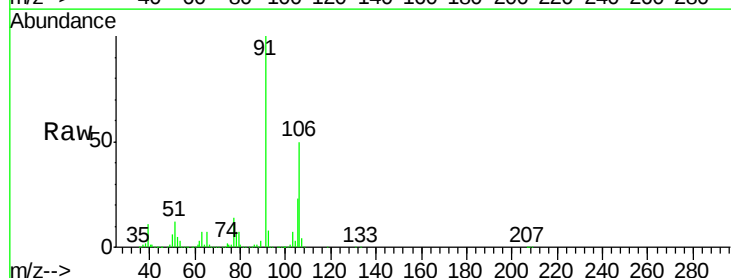
Acq: 21 Feb 2019 12:38

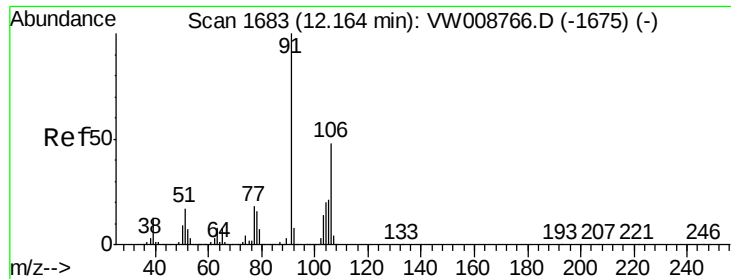
Tgt Ion: 106 Resp: 1363086

Ion Ratio Lower Upper

106 100

91 201.0 161.5 242.3





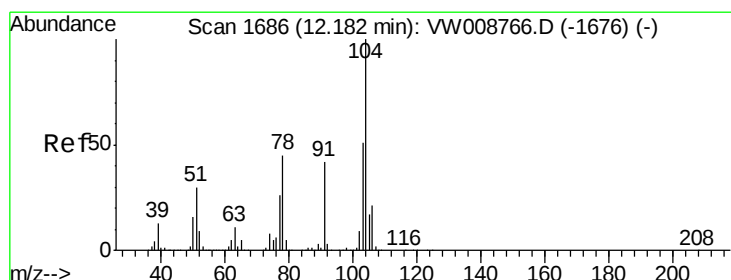
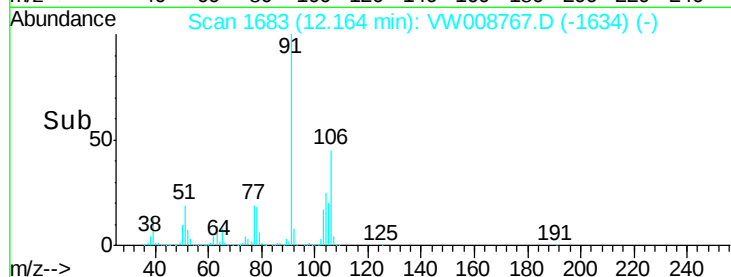
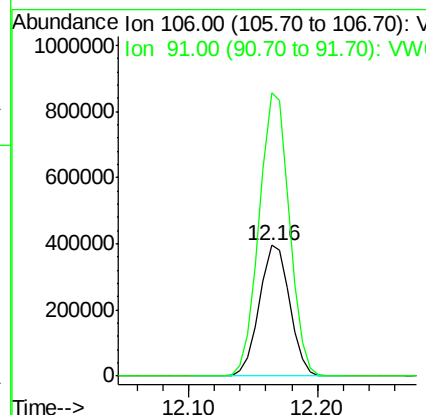
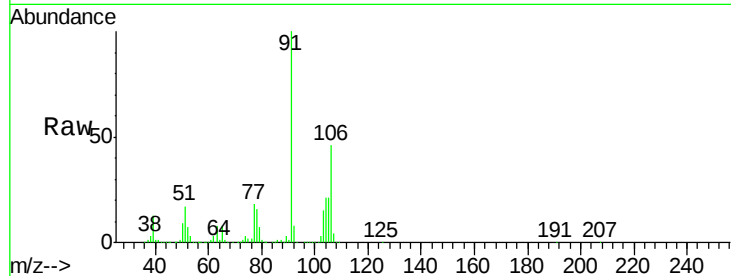
#69
o-Xylene
Concen: 100.779 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 643153
Ion Ratio Lower Upper
106 100
91 215.3 106.2 318.6

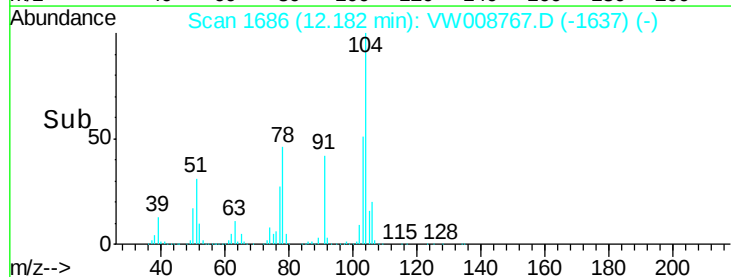
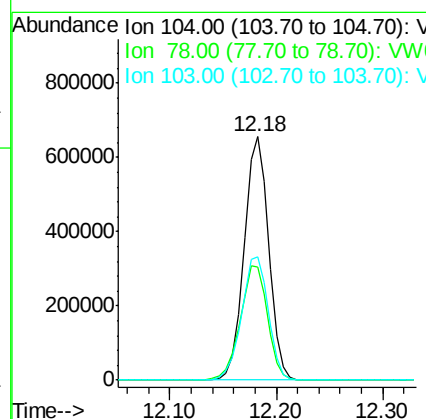
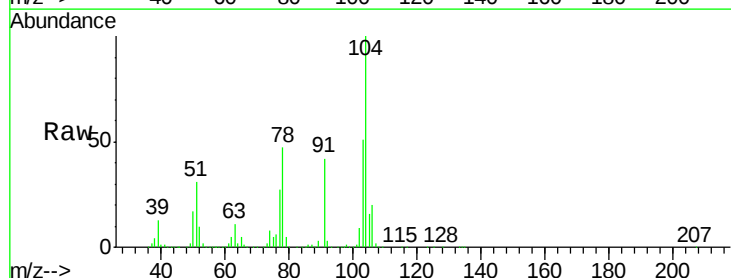
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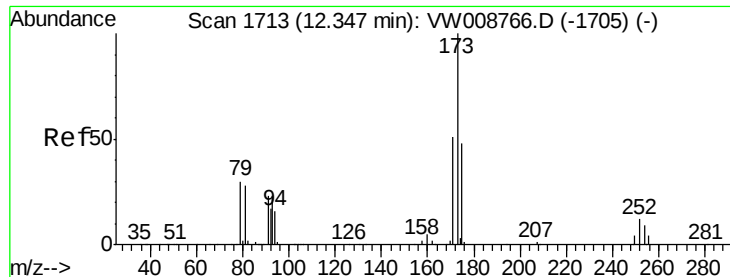
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#70
Styrene
Concen: 103.361 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion:104 Resp: 1061232
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 55.5 44.2 66.2





#71

Bromoform

Concen: 104.439 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

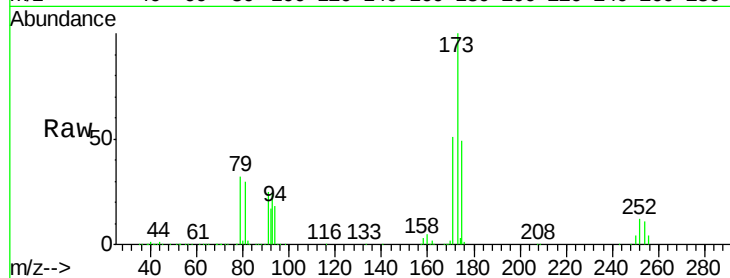
ClientSampled :

VSTDIC100

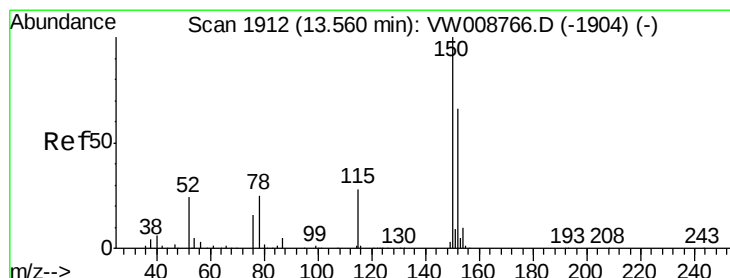
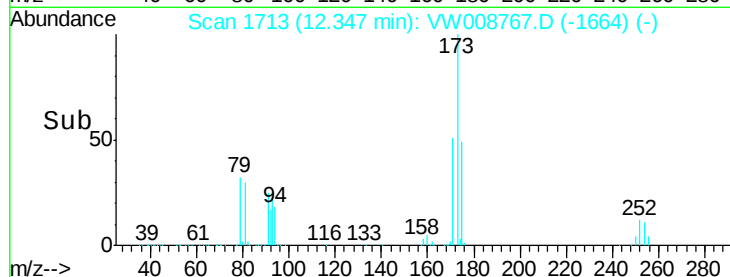
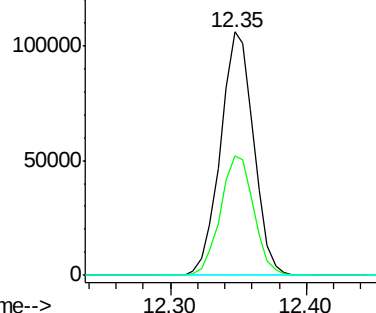
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.1	0.2	0.4

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

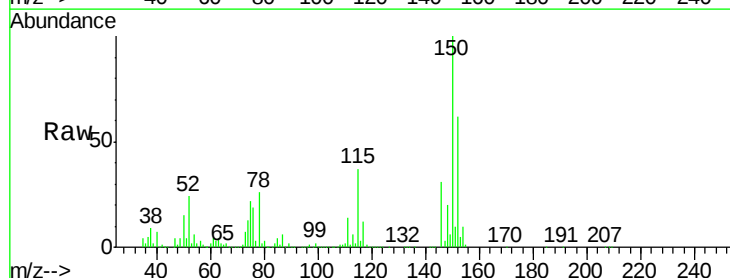
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

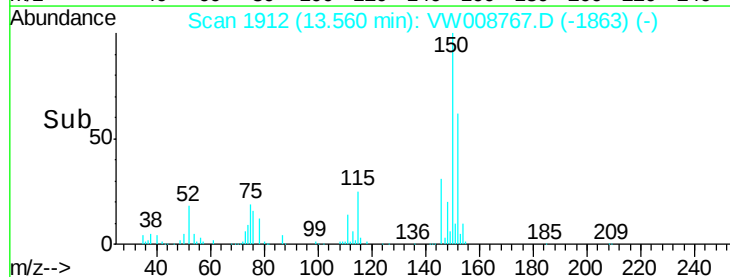
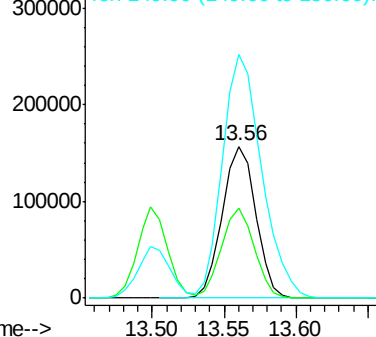
Lab File: VW008767.D

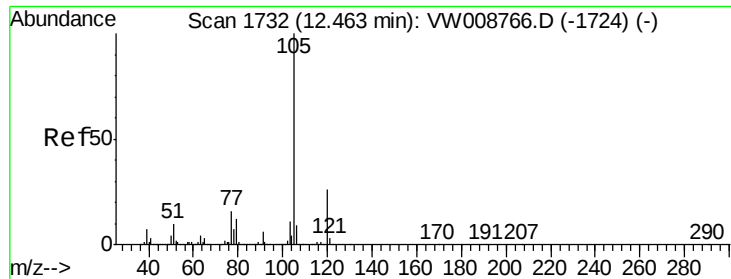
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.6	85.8
150	188.1	0.0	348.0



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





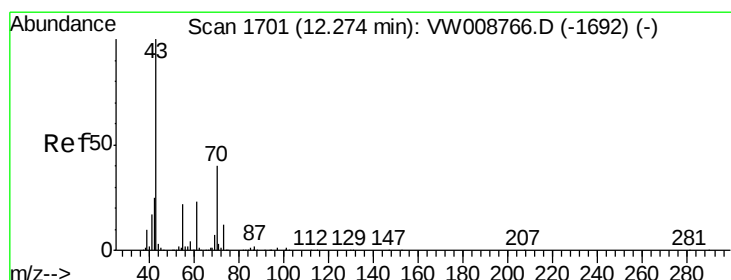
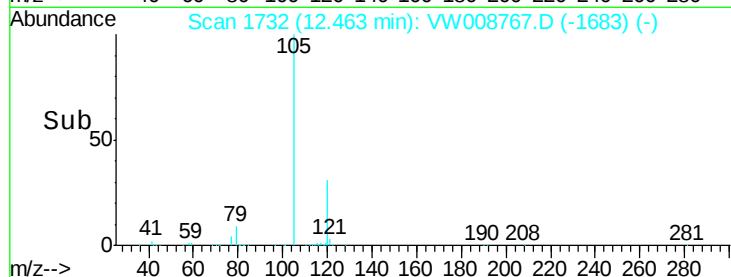
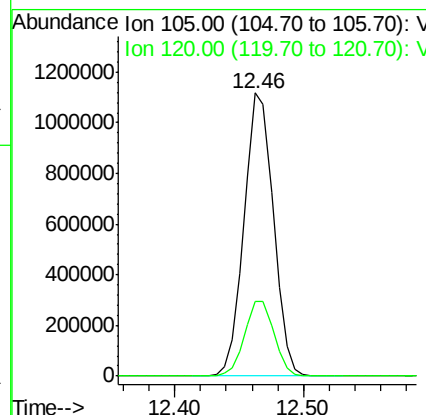
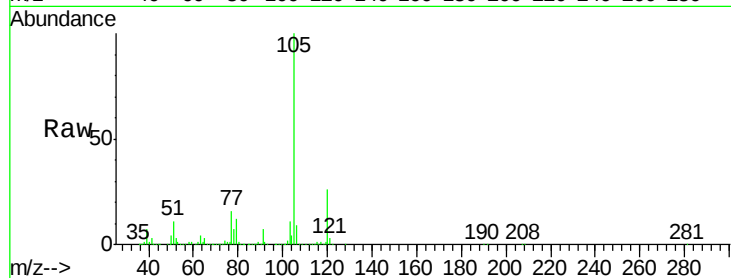
#73
Isopropylbenzene
Concen: 101.592 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1752630
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9

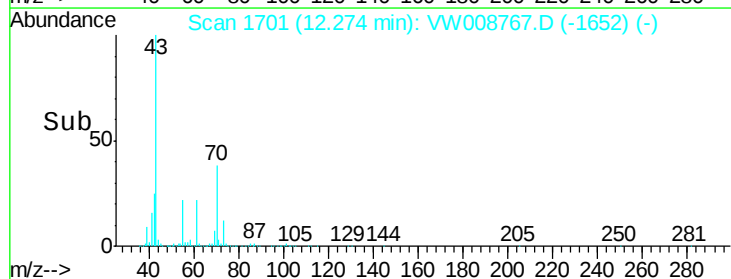
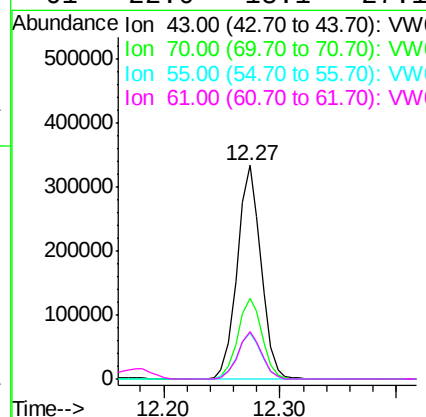
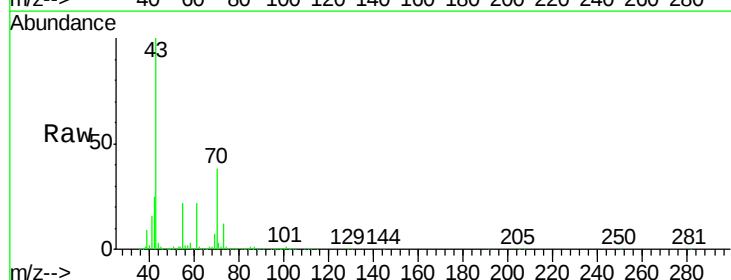
Manual Integrations
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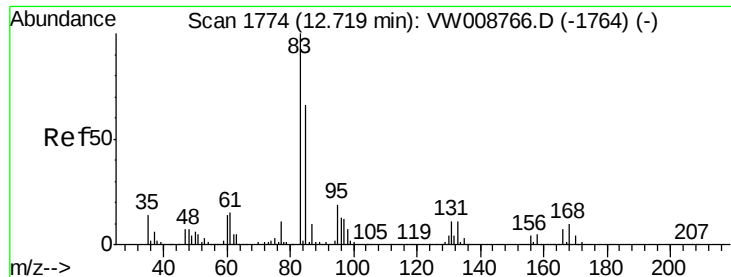
MMDadoda
2/22/2019 12:25:27 PM



#74
N-ethyl acetate
Concen: 109.165 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion: 43 Resp: 474383
Ion Ratio Lower Upper
43 100
70 38.7 31.0 46.6
55 21.9 18.7 28.1
61 22.0 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 100.521 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 283353

Ion Ratio Lower Upper

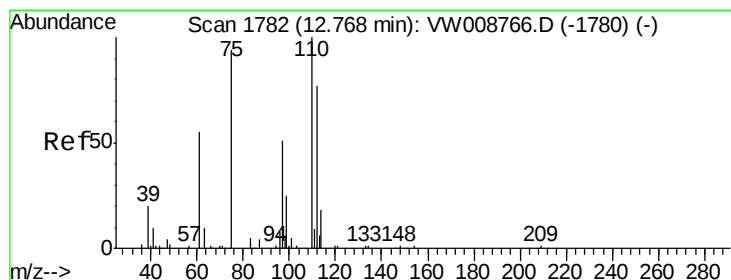
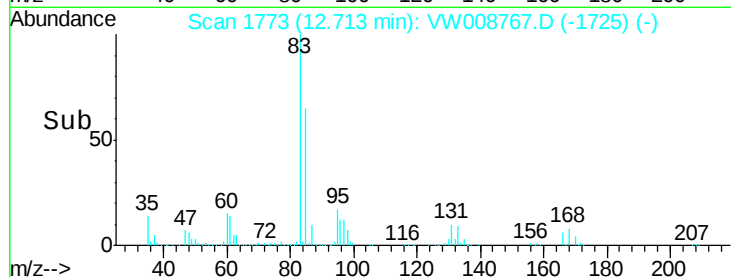
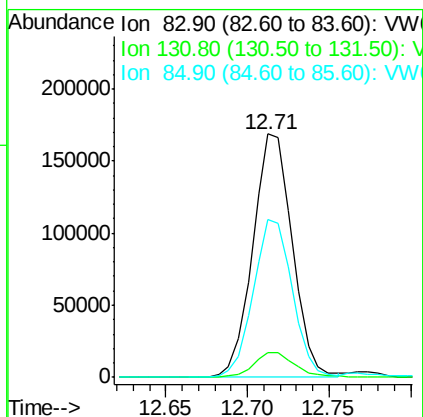
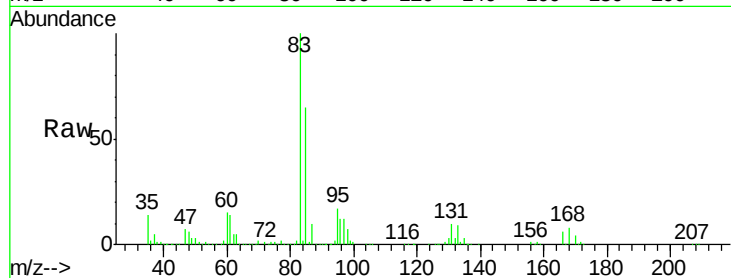
83 100

131 10.8 5.5 16.7

85 64.2 33.0 98.9

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#76

1,2,3-Trichloropropane

Concen: 92.457 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008767.D

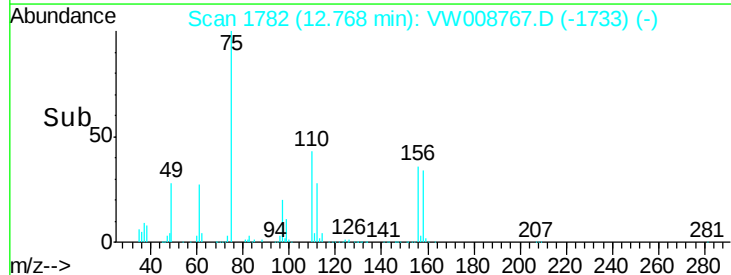
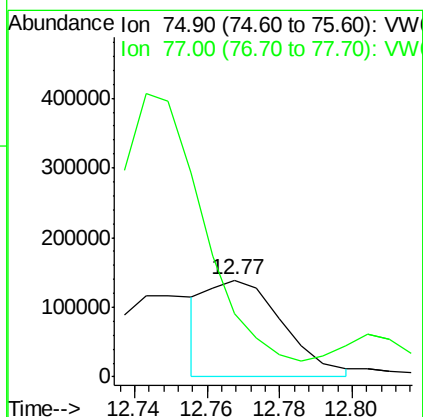
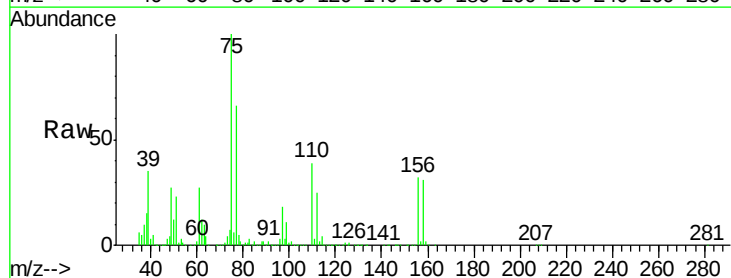
Acq: 21 Feb 2019 12:38

Tgt Ion: 75 Resp: 201296

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 97.881 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

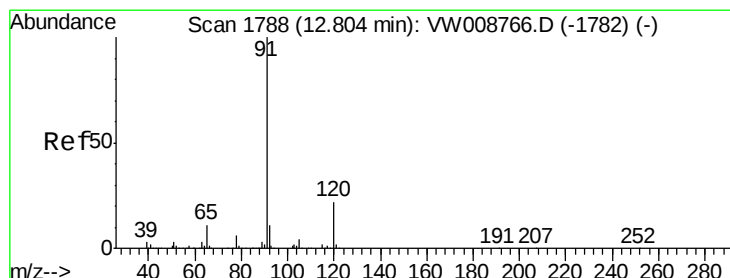
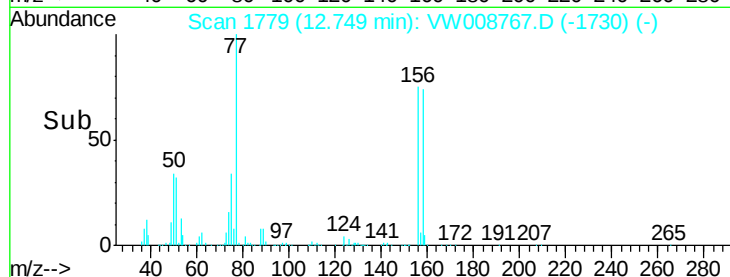
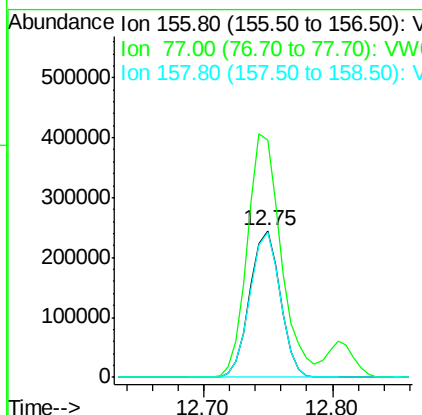
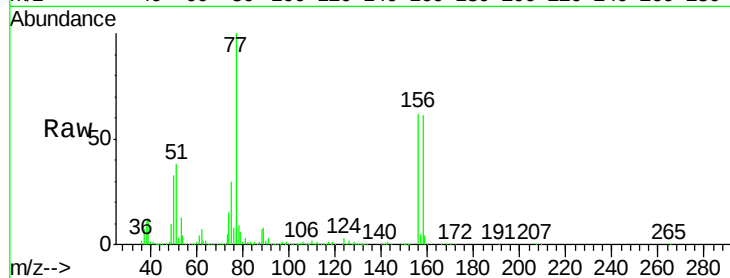
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.8	89.1	267.4
158	98.4	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 101.289 ug/l

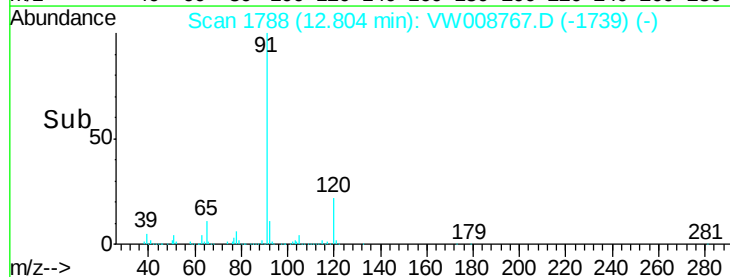
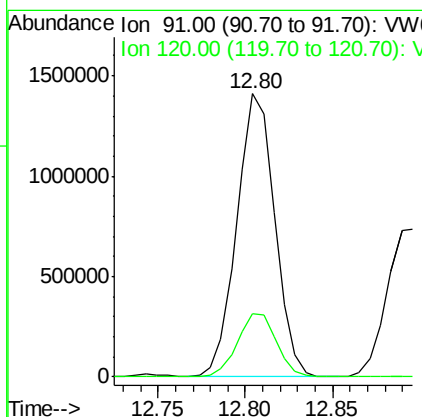
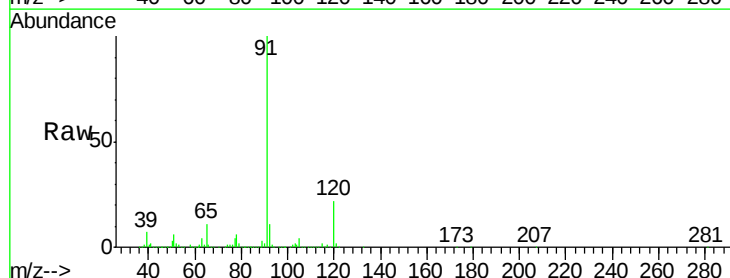
RT: 12.80 min Scan# 1788

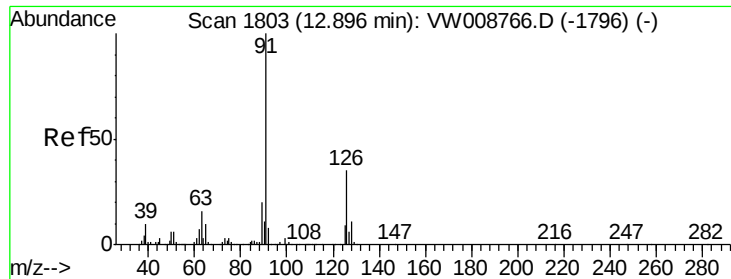
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.4





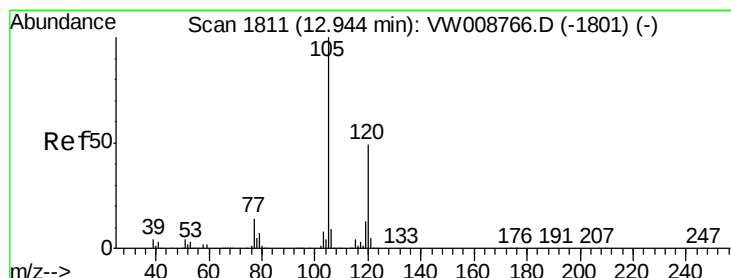
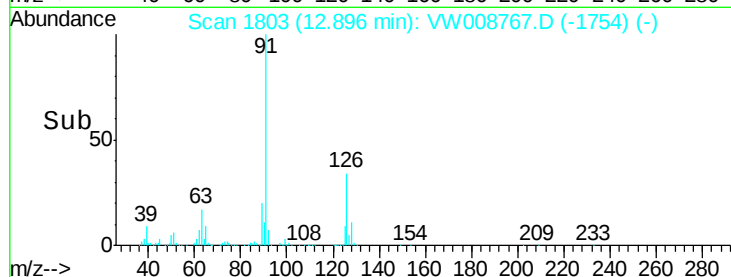
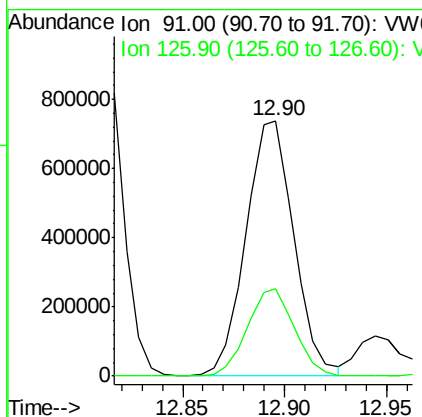
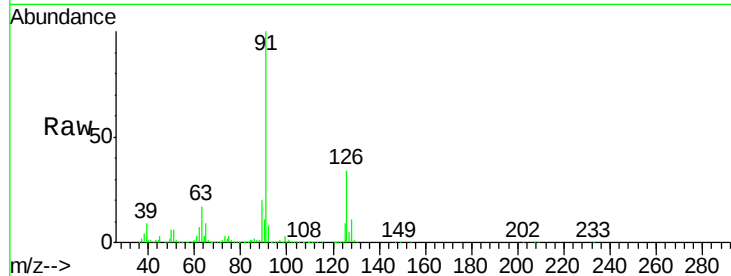
#79
2-Chlorotoluene
Concen: 100.905 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1208968
Ion Ratio Lower Upper
91 100
126 33.6 17.0 51.0

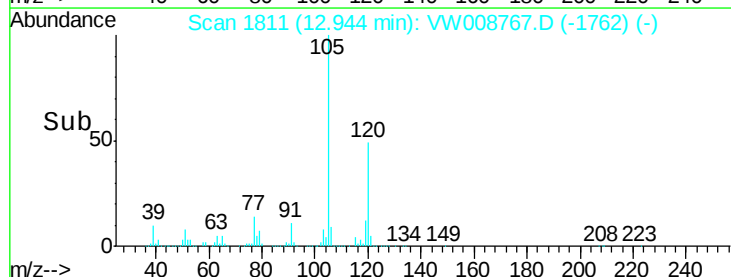
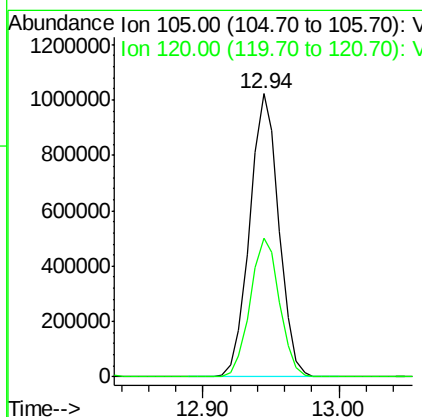
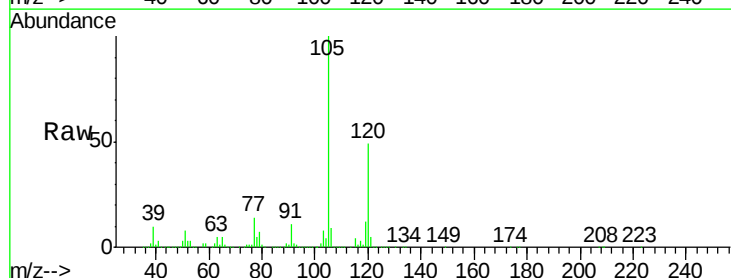
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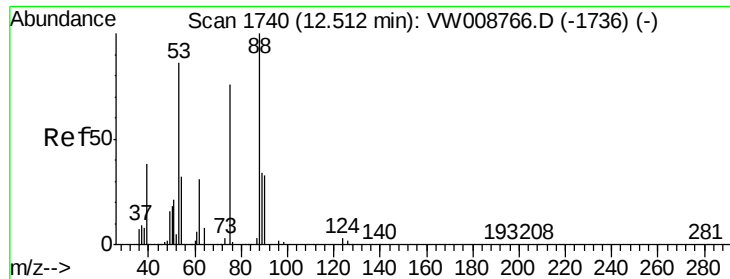
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 102.240 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion:105 Resp: 1532772
Ion Ratio Lower Upper
105 100
120 49.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 111.722 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

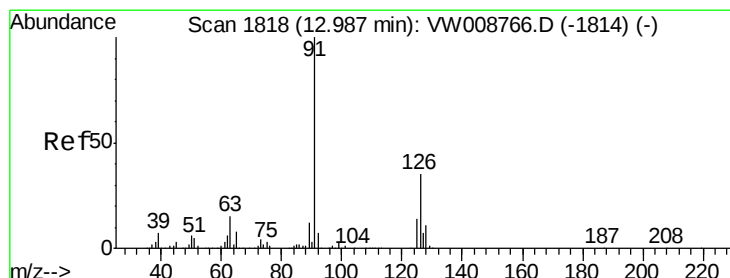
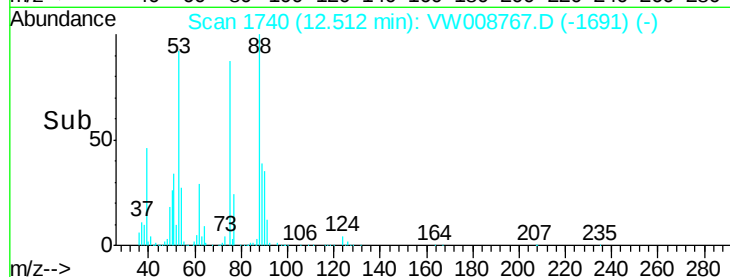
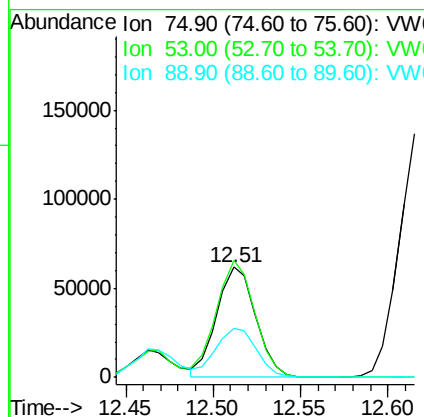
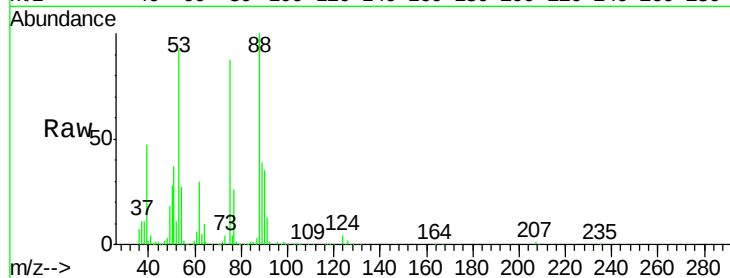
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	95482
Ion Ratio	Lower	Upper	
75	100		
53	104.6	88.2	132.2
89	46.9	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 101.544 ug/l

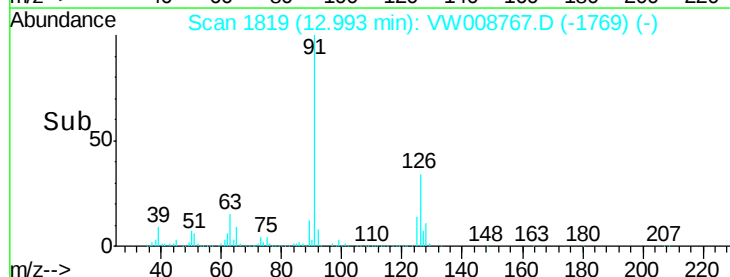
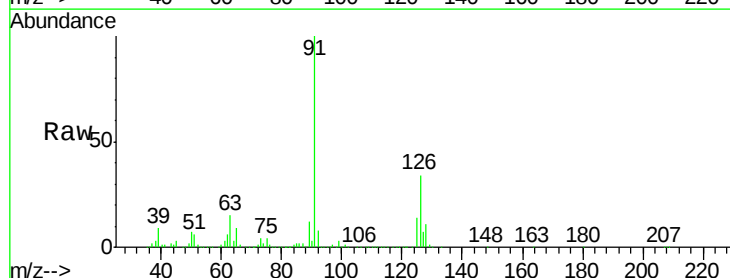
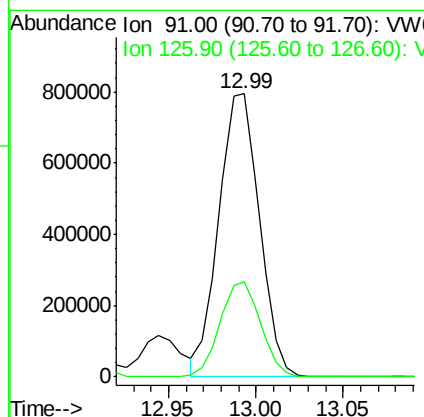
RT: 12.99 min Scan# 1819

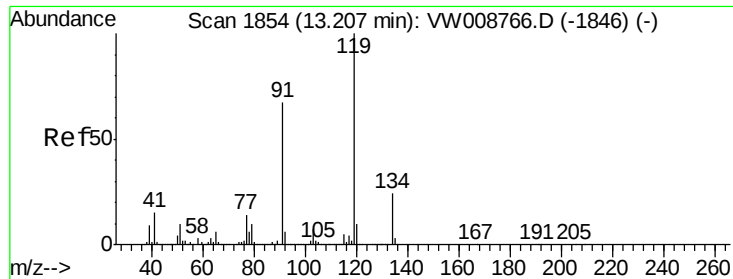
Delta R.T. 0.01 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	91	Resp:	1282079
Ion Ratio	Lower	Upper	
91	100		
126	33.7	17.2	51.6





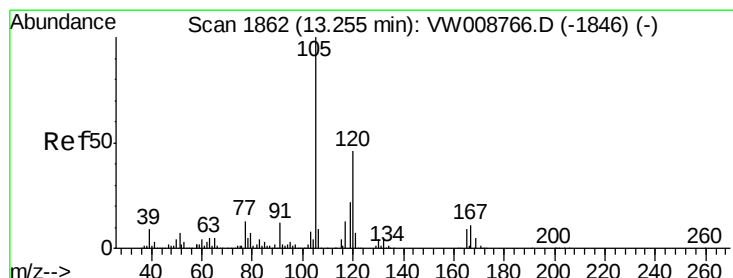
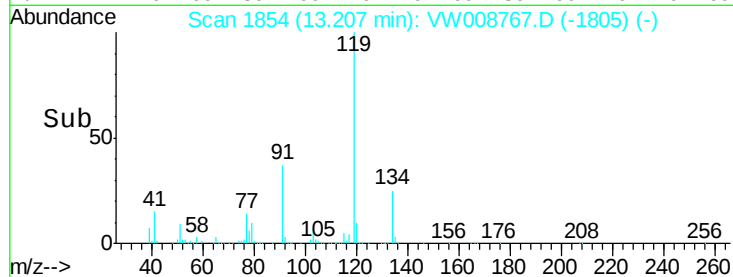
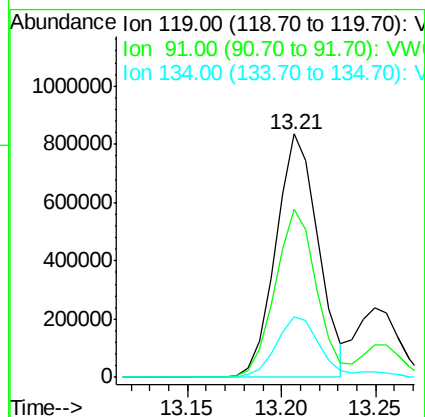
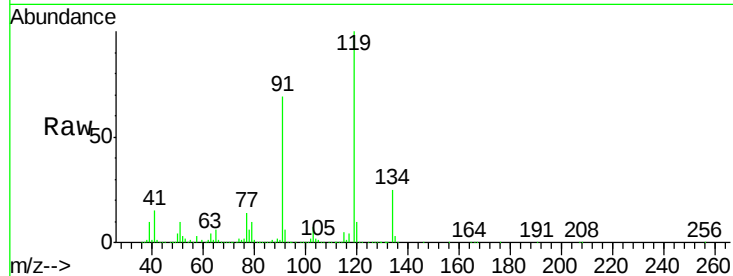
#83
 tert-Butylbenzene
 Concen: 100.216 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1299104
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.6 100.8
 134 27.2 13.7 41.1

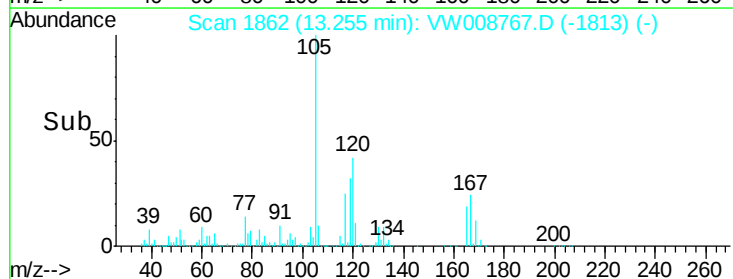
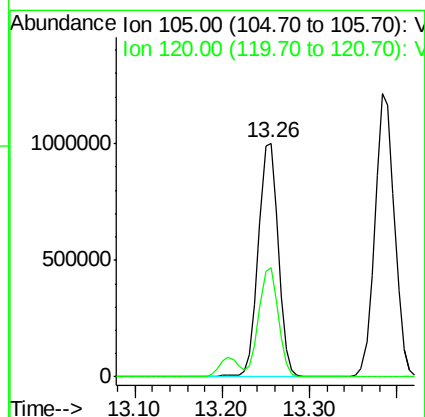
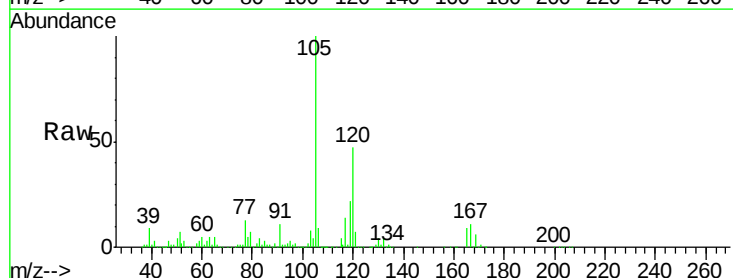
Manual Integrations
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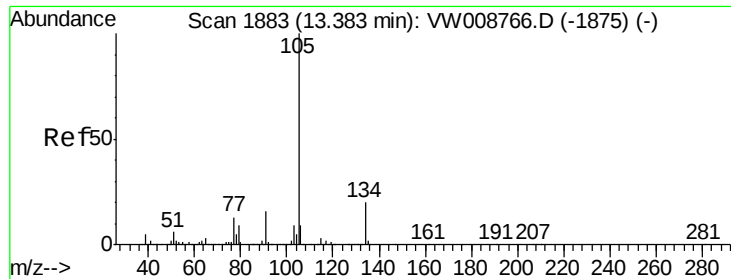
MMDadoda
 2/22/2019 12:25:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 102.187 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Tgt Ion:105 Resp: 1585852
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 101.733 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1896259

Ion Ratio Lower Upper

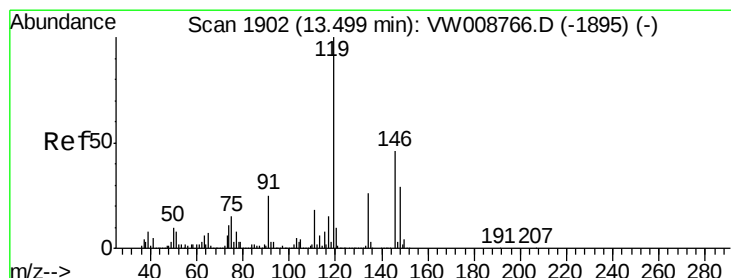
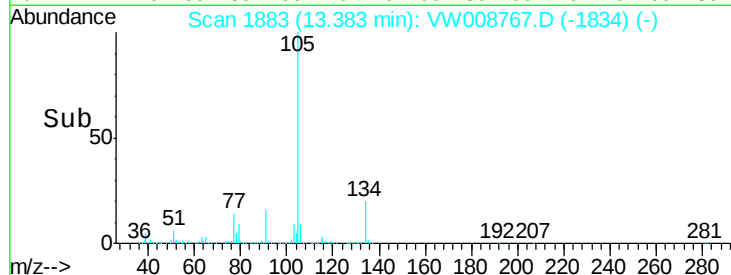
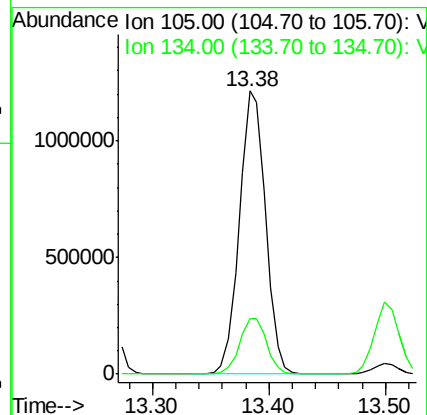
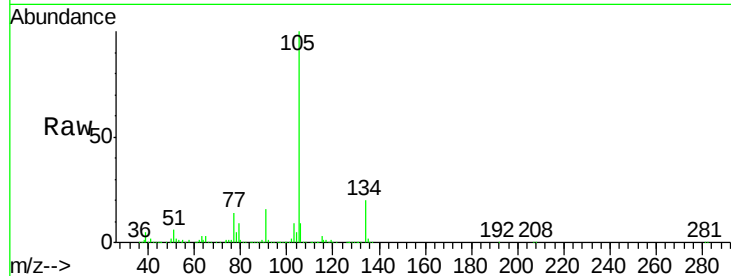
105 100

134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 101.970 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

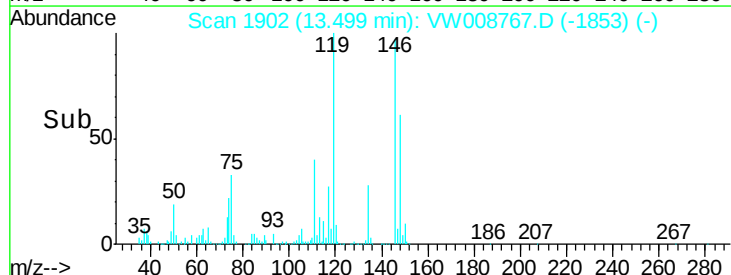
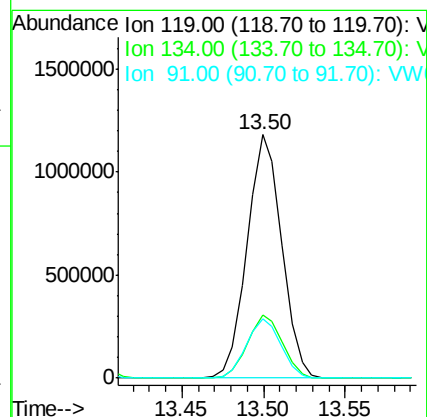
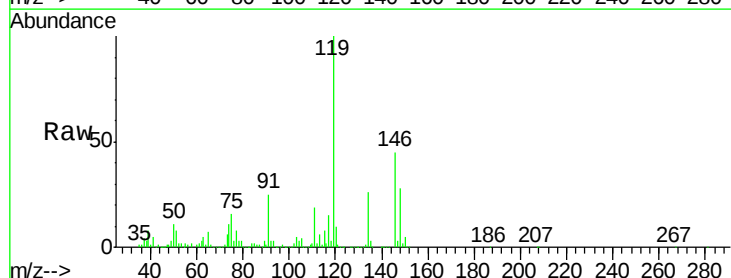
Tgt Ion:119 Resp: 1742407

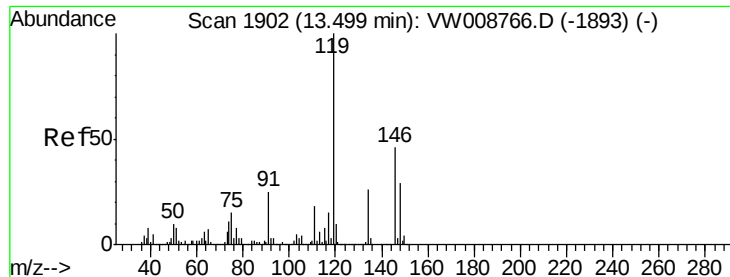
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.5 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 98.863 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008767.D

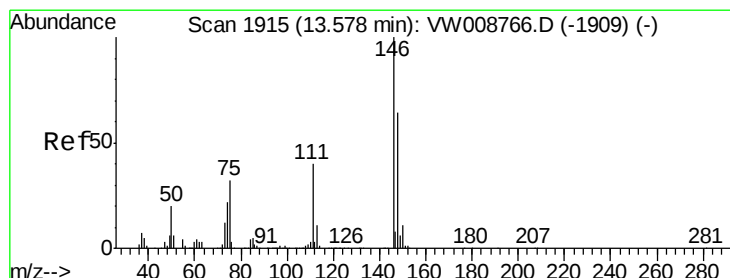
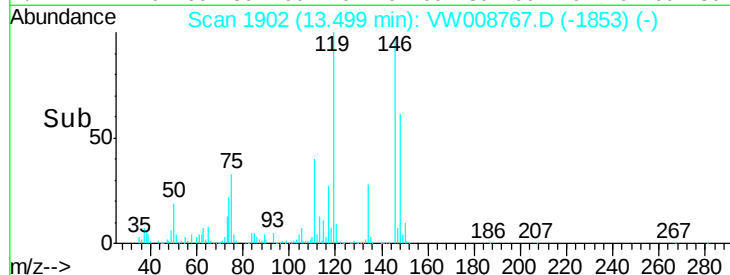
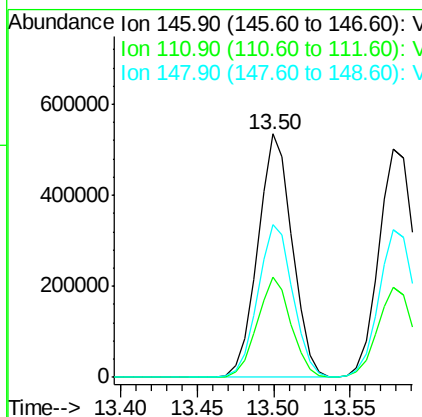
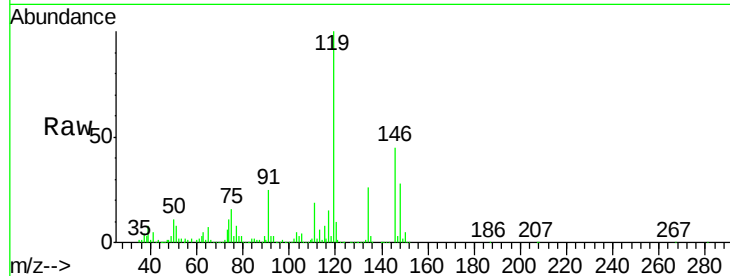
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.7
148	63.7	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 97.906 ug/l

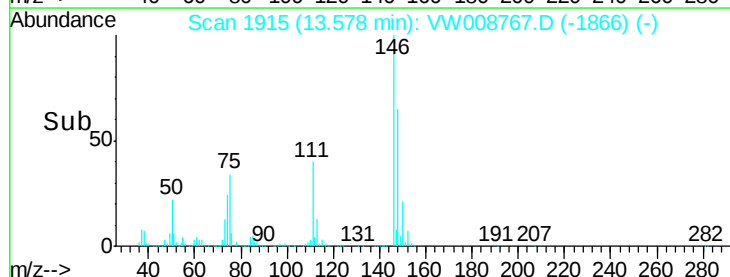
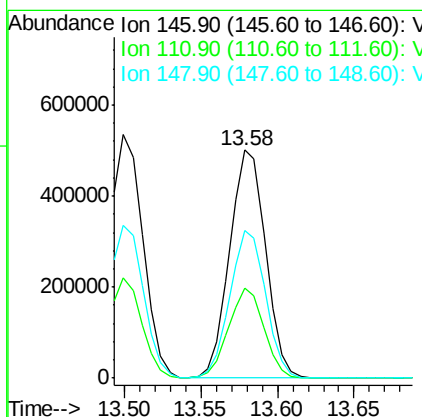
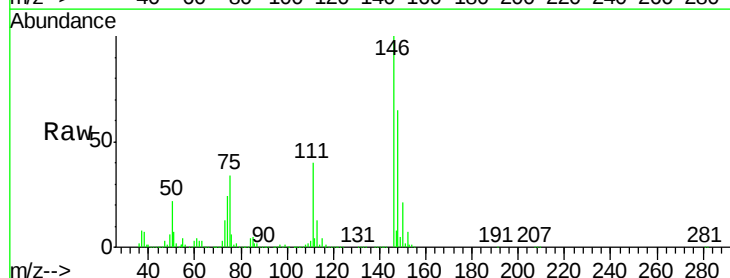
RT: 13.58 min Scan# 1915

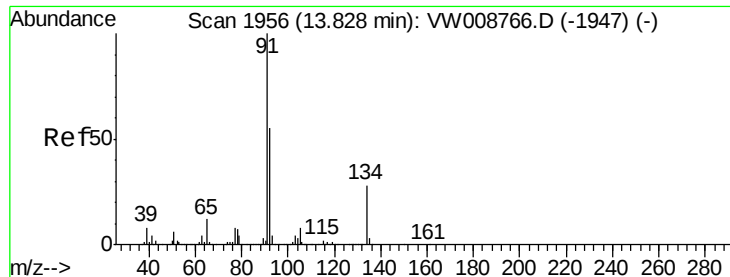
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.1	31.9	95.9





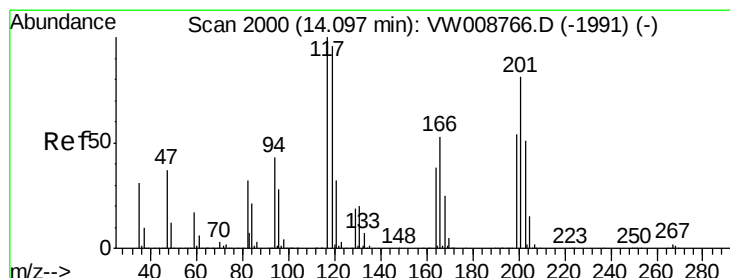
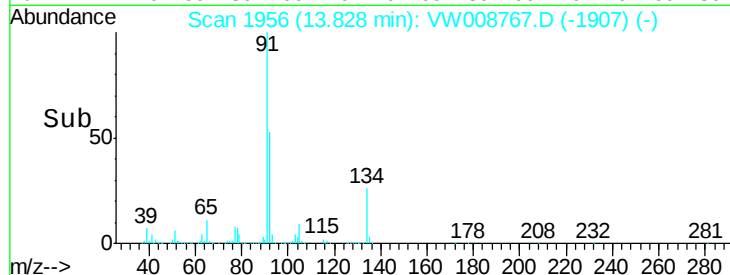
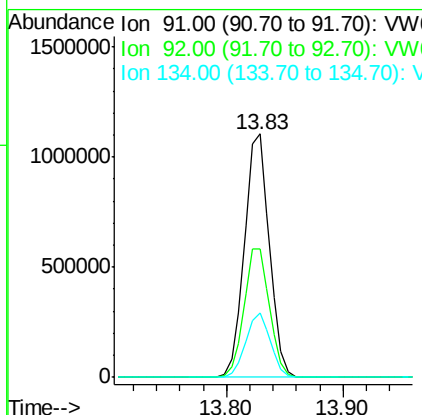
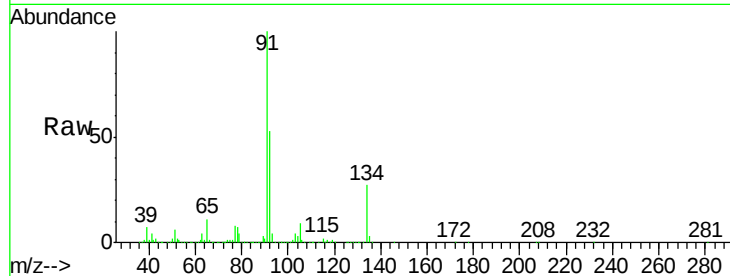
#89
n-Butylbenzene
Concen: 103.106 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.4
134	26.3	13.5	40.4

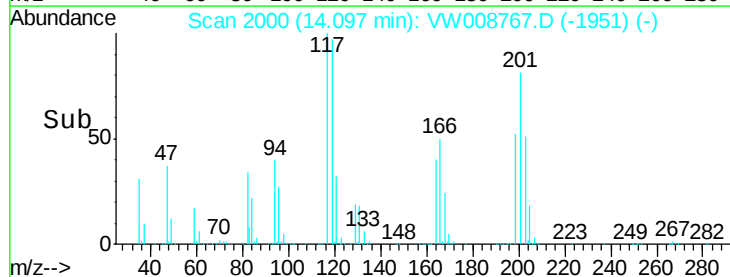
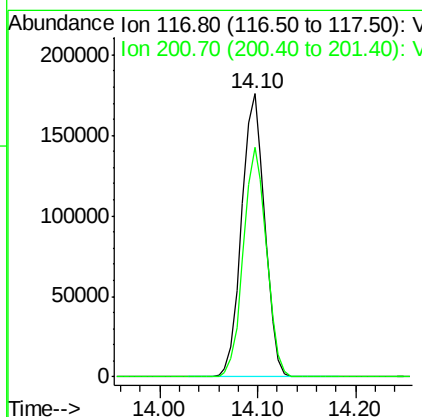
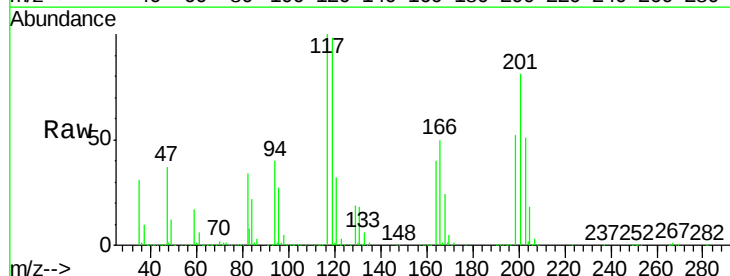
Manual Integrations
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#90
Hexachloroethane
Concen: 102.932 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	40.3	120.8





#91

1,2-Dichlorobenzene

Concen: 98.067 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Instrument :

MSVOA_W

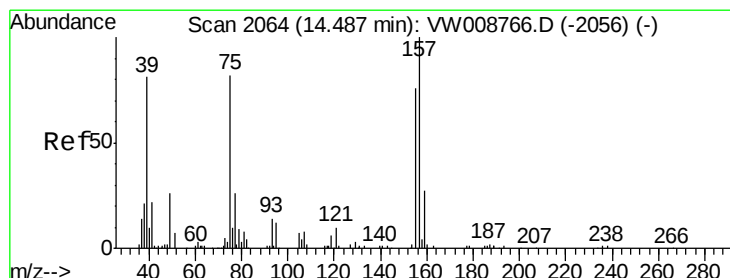
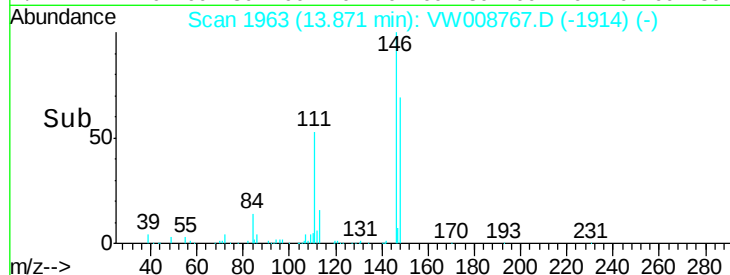
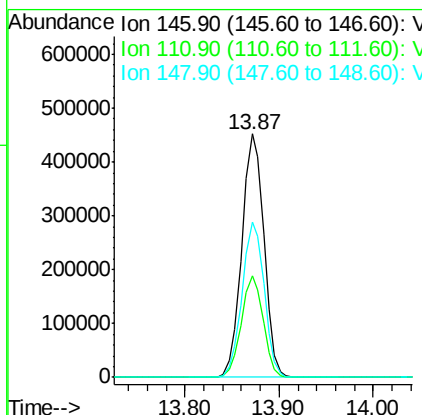
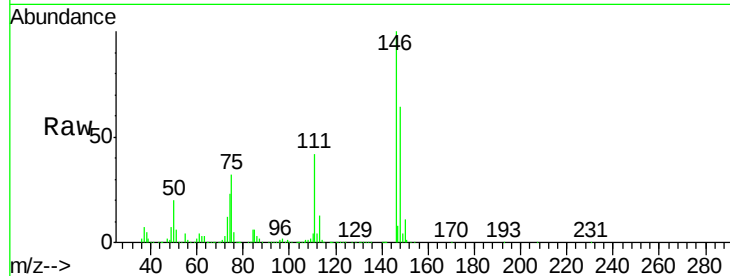
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	739080
Ion Ratio		Lower	Upper
146	100		
111	41.2	20.3	60.8
148	63.9	32.5	97.5

Manual Integrations
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2/22/2019 12:25:27 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 103.937 ug/l

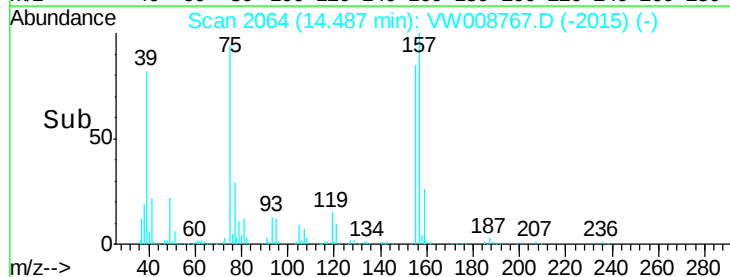
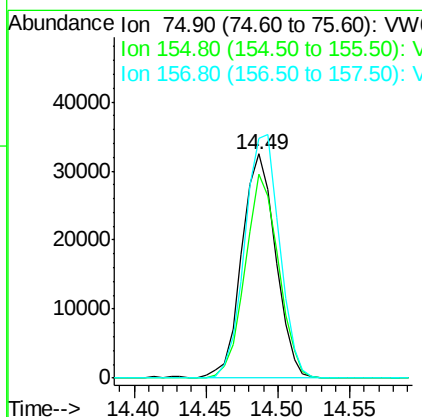
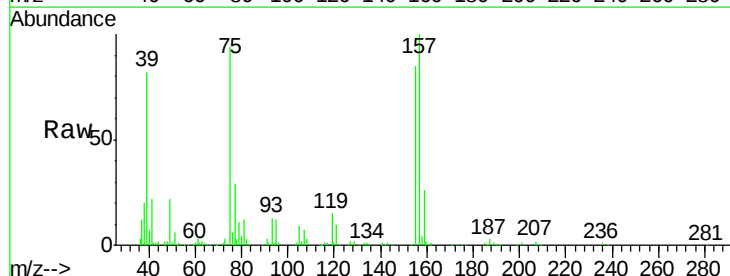
RT: 14.49 min Scan# 2064

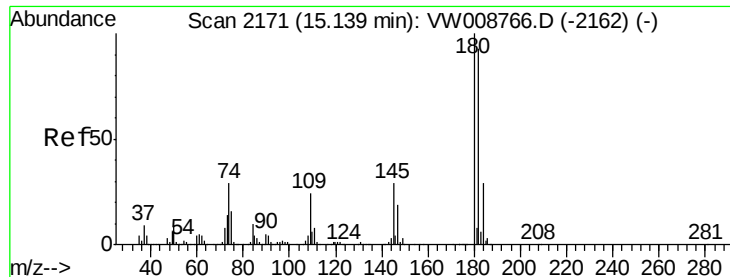
Delta R.T. 0.00 min

Lab File: VW008767.D

Acq: 21 Feb 2019 12:38

Tgt Ion:	75	Resp:	52999
Ion Ratio		Lower	Upper
75	100		
155	88.9	41.8	125.4
157	110.9	56.6	169.9





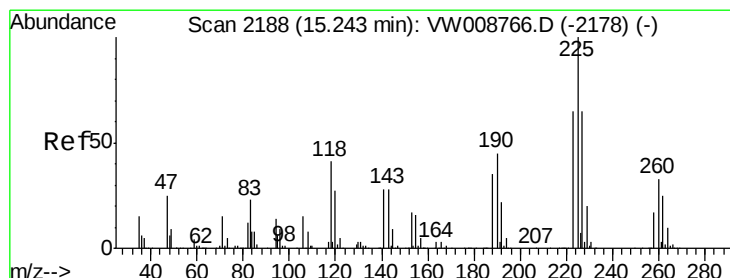
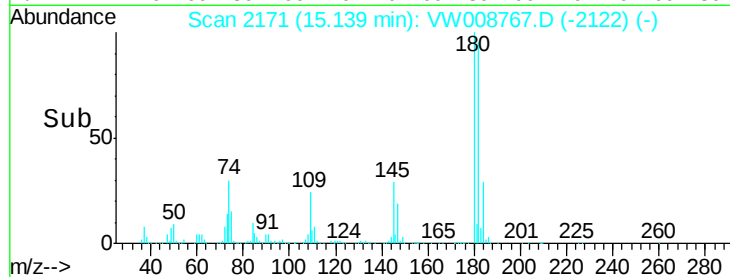
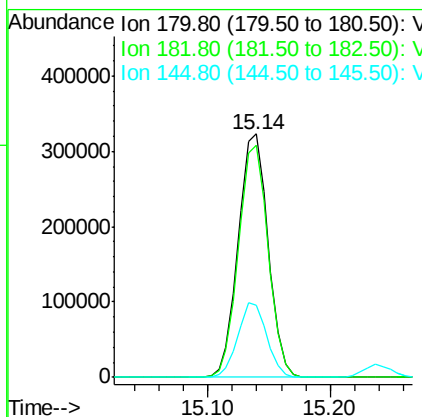
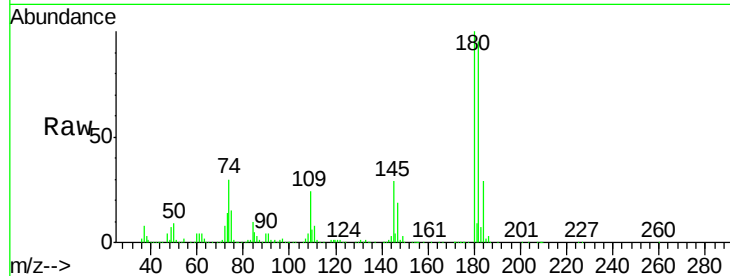
#93
 1,2,4-Trichlorobenzene
 Concen: 100.529 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	545888		
182	94.8	47.2	141.6	
145	29.7	14.4	43.0	

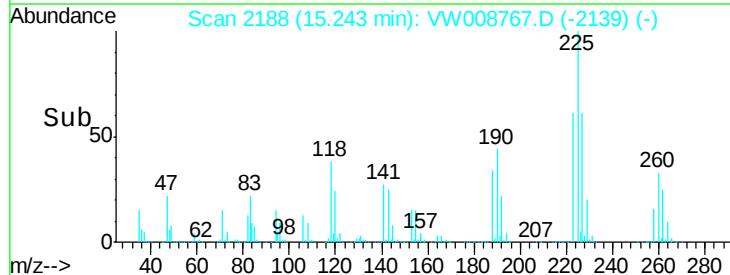
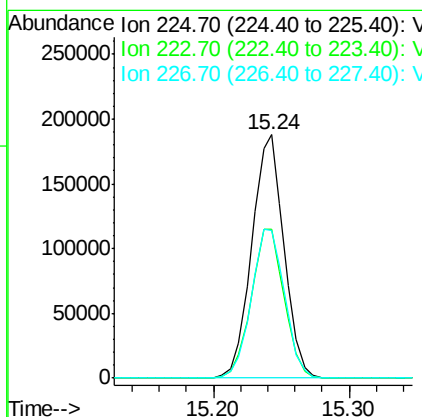
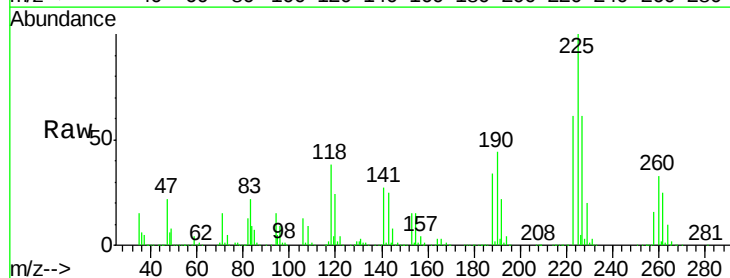
Manual Integrations
 APPROVED

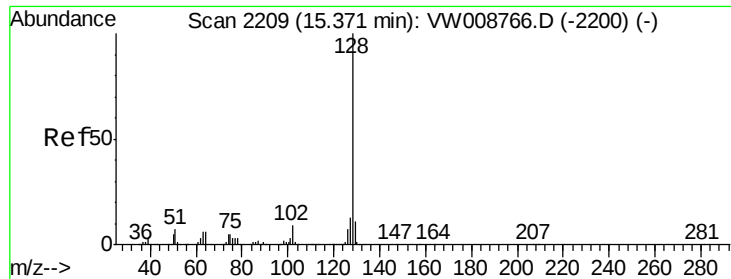
MMDadoda
 2/22/2019 12:25:27 PM



#94
 Hexachlorobutadiene
 Concen: 97.041 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008767.D
 Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	310390		
223	62.6	31.5	94.5	
227	63.4	31.6	94.8	





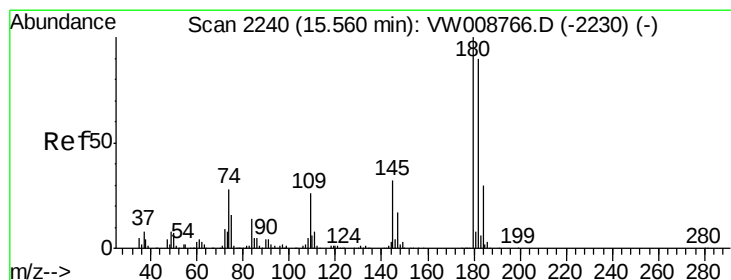
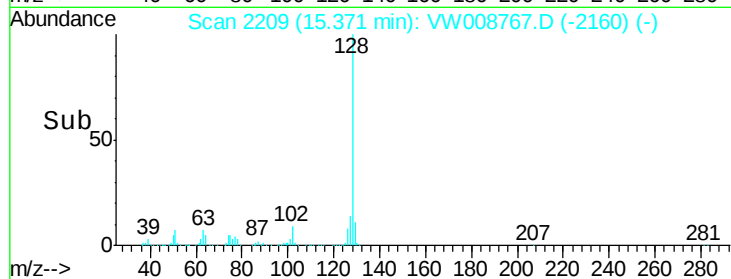
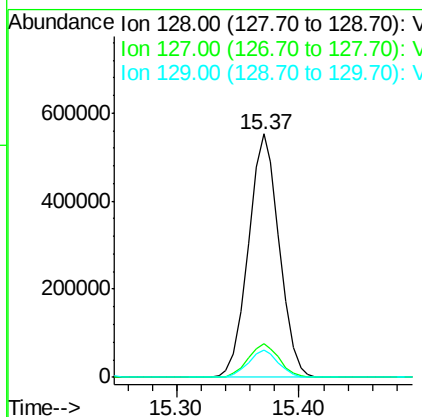
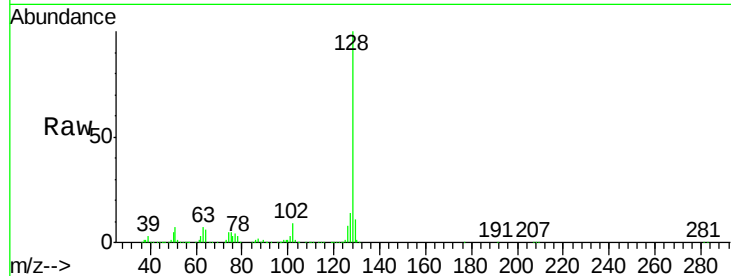
#95
Naphthalene
Concen: 104.331 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	964591		
127	13.8		10.8	16.2
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/22/2019 12:25:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 97.649 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008767.D
Acq: 21 Feb 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	458466		
182	95.5		46.9	140.8
145	31.8		15.9	47.6

