

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011819\
 Data File : VW008350.D
 Acq On : 18 Jan 2019 12:35
 Operator : SY/VA
 Sample : VW0118SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:09:40 AM

Quant Time: Jan 19 04:46:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	47216	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	7.88	113	47587	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
50) Toluene-d8	10.32	98	203752	57.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.16%	
62) 4-Bromofluorobenzene	12.62	95	70059	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12206	23.639	ug/l	87
3) Chloromethane	2.21	50	16772	22.159	ug/l	96
4) Vinyl Chloride	2.36	62	23161	23.949	ug/l	92
5) Bromomethane	2.78	94	18834	25.698	ug/l	96
6) Chloroethane	2.93	64	16497	26.061	ug/l	96
7) Trichlorofluoromethane	3.25	101	17578	24.754	ug/l	89
8) Diethyl Ether	3.67	74	10009	20.327	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16984	20.544	ug/l	96
10) Methyl Iodide	4.26	142	23997	17.998	ug/l	96
11) Tert butyl alcohol	5.17	59	4304	74.990	ug/l #	93
12) 1,1-Dichloroethene	4.02	96	17175	20.426	ug/l	97
13) Acrolein	3.89	56	3721	68.429	ug/l	85
14) Allyl chloride	4.66	41	29528	21.006	ug/l	96
15) Acrylonitrile	5.37	53	18866	99.740	ug/l	97
16) Acetone	4.12	43	19184	96.906	ug/l	98
17) Carbon Disulfide	4.37	76	49753	19.446	ug/l	95
18) Methyl Acetate	4.67	43	10563	19.975	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	25059	19.469	ug/l #	89
20) Methylene Chloride	4.90	84	21269	21.104	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	19867	21.037	ug/l	91
22) Diisopropyl ether	6.31	45	60025	21.872	ug/l	96
23) Vinyl Acetate	6.25	43	153473	104.619	ug/l	97
24) 1,1-Dichloroethane	6.21	63	36028	21.561	ug/l	96
25) 2-Butanone	7.17	43	25088	98.946	ug/l	97
26) 2,2-Dichloropropane	7.16	77	23450	21.991	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	21642	21.152	ug/l	96
28) Bromochloromethane	7.50	49	13269	19.274	ug/l #	98
29) Tetrahydrofuran	7.52	42	15193	96.116	ug/l	99
30) Chloroform	7.67	83	36282	21.946	ug/l	89
31) Cyclohexane	7.95	56	35077	22.032	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	30420	21.924	ug/l	96
36) 1,1-Dichloropropene	8.08	75	30413	21.422	ug/l	100
37) Ethyl Acetate	7.25	43	9449	16.140	ug/l #	90
38) Carbon Tetrachloride	8.06	117	28101	20.045	ug/l	96

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Manual Integrations
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MMDadoda
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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	35864	21.237	ug/l	95
40) Benzene	8.32	78	83103	20.664	ug/l	99
41) Methacrylonitrile	7.48	41	6364	18.673	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	22751	20.232	ug/l	98
43) Isopropyl Acetate	8.42	43	20078	18.156	ug/l	95
44) Trichloroethene	9.09	130	21010	19.069	ug/l	91
45) 1,2-Dichloropropane	9.37	63	21069	21.091	ug/l	98
46) Dibromomethane	9.46	93	9629	18.495	ug/l	94
47) Bromodichloromethane	9.65	83	26330	20.502	ug/l	92
48) Methyl methacrylate	9.44	41	9377	18.012	ug/l	95
49) 1,4-Dioxane	9.45	88	2853	340.400	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	51929	92.736	ug/l	97
52) Toluene	10.38	92	55430	21.780	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	25582	19.958	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	31173	20.631	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14344	19.863	ug/l	95
56) Ethyl methacrylate	10.65	69	15338	18.086	ug/l	98
57) 1,3-Dichloropropane	10.93	76	24868	19.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	40004	97.791	ug/l	100
59) 2-Hexanone	10.97	43	37362	95.227	ug/l	96
60) Dibromochloromethane	11.13	129	16460	19.099	ug/l	100
61) 1,2-Dibromoethane	11.24	107	13493	19.296	ug/l	99
64) Tetrachloroethene	10.86	164	17700	19.039	ug/l	95
65) Chlorobenzene	11.66	112	58649	20.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	19412	19.502	ug/l	97
67) Ethyl Benzene	11.73	91	103659	20.643	ug/l	98
68) m/p-Xylenes	11.84	106	81595	41.863	ug/l	98
69) o-Xylene	12.17	106	37177	20.416	ug/l	100
70) Styrene	12.18	104	61955	21.182	ug/l	99
71) Bromoform	12.35	173	9108	18.368	ug/l #	98
73) Isopropylbenzene	12.47	105	105552	21.885	ug/l	99
74) N-amyl acetate	12.27	43	19682	19.042	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16356	19.938	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	13505m	22.404	ug/l	
77) Bromobenzene	12.75	156	21811	18.827	ug/l	90
78) n-propylbenzene	12.80	91	130365	22.332	ug/l	98
79) 2-Chlorotoluene	12.90	91	71411	21.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	88703	22.040	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4824	19.098	ug/l	94
82) 4-Chlorotoluene	12.99	91	76536	21.959	ug/l	97
83) tert-Butylbenzene	13.21	119	77358	21.838	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	89958	21.941	ug/l	99
85) sec-Butylbenzene	13.39	105	113026	22.223	ug/l	99
86) p-Isopropyltoluene	13.51	119	97858	22.030	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	46315	20.121	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	46847	20.315	ug/l	97
89) n-Butylbenzene	13.83	91	98005	23.001	ug/l	98
90) Hexachloroethane	14.10	117	17954	21.840	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	40620	19.988	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2562	19.099	ug/l	91

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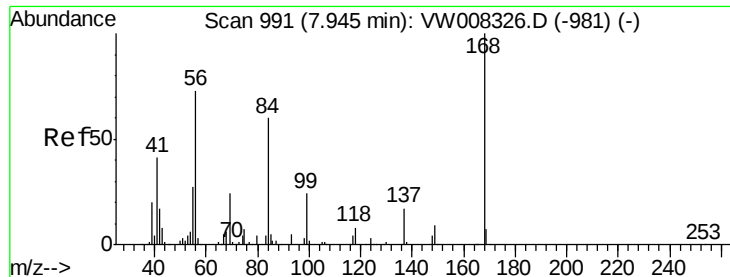
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	15.14	180	26324	19.135	ug/l	98
94) Hexachlorobutadiene	15.24	225	16118	20.789	ug/l	97
95) Naphthalene	15.38	128	42683	18.346	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	22320	18.627	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion:168 Resp: 81946

Ion Ratio Lower Upper

168 100

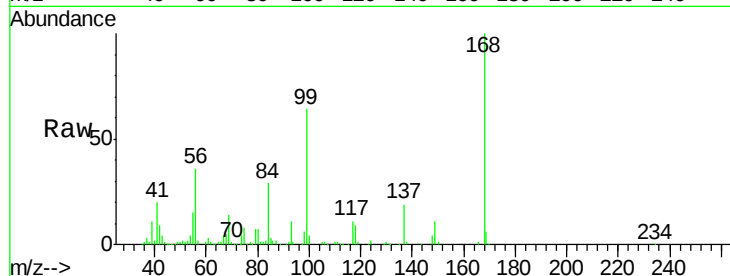
99 63.5 44.6 66.8

Manual Integrations

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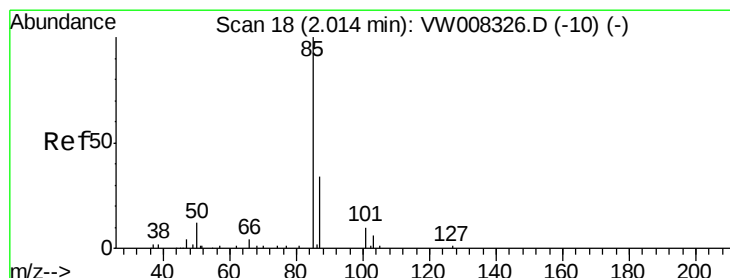
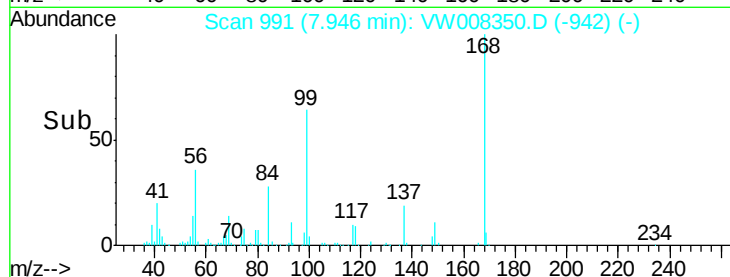
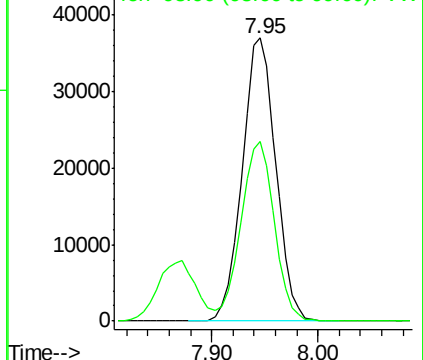
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.639 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008350.D

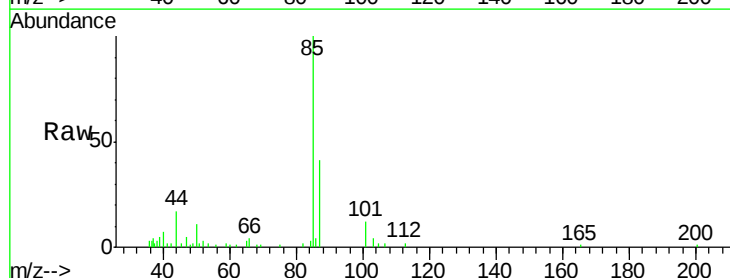
Acq: 18 Jan 2019 12:35

Tgt Ion: 85 Resp: 12206

Ion Ratio Lower Upper

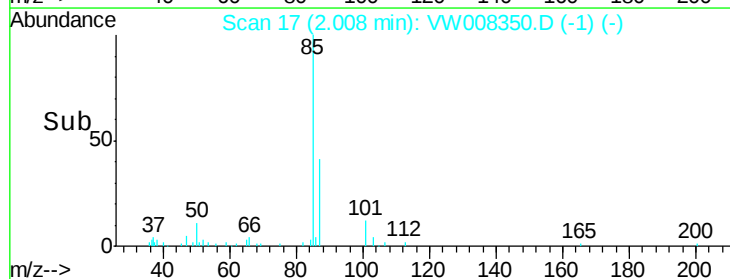
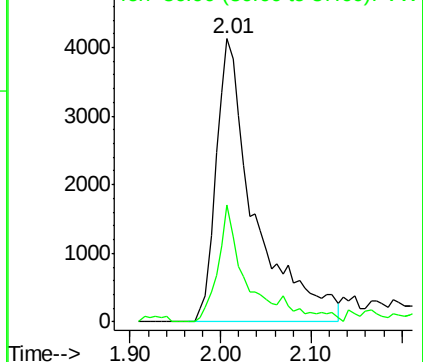
85 100

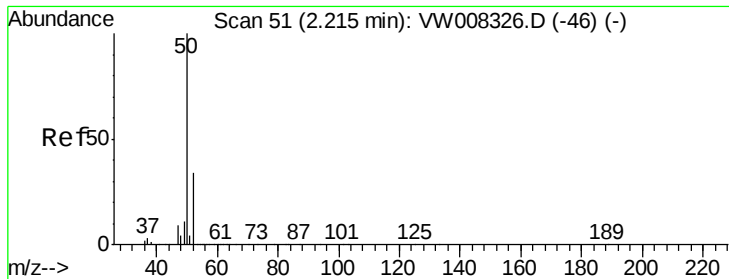
87 41.2 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.159 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion: 50 Resp: 16772

Ion Ratio Lower Upper

50 100

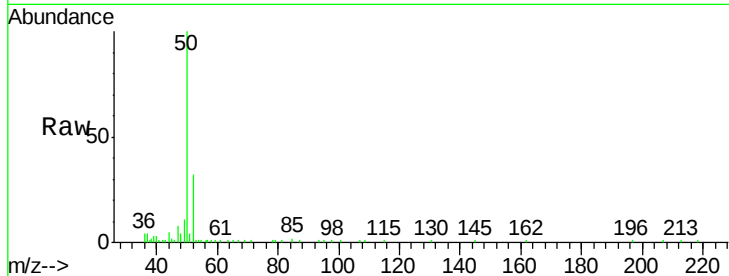
52 31.3 26.7 40.1

Manual Integrations

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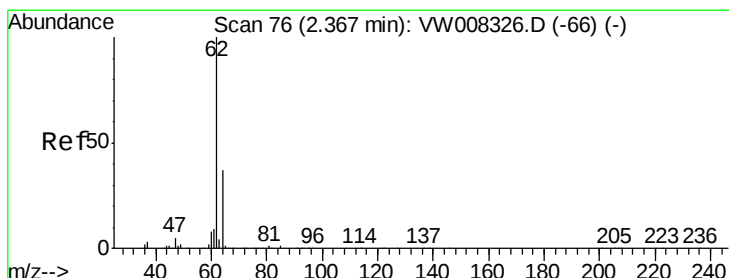
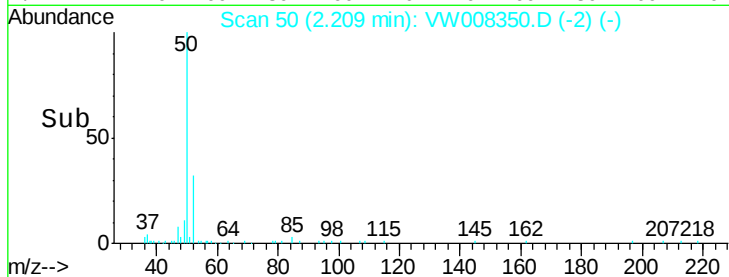
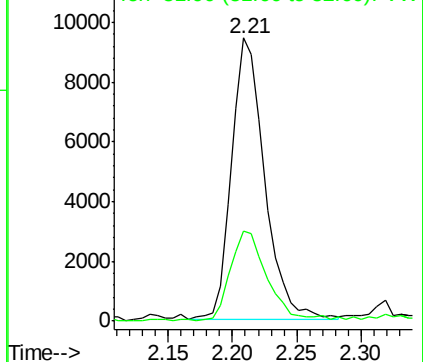
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 23.949 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008350.D

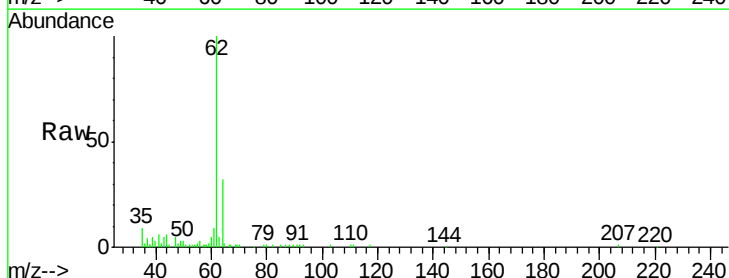
Acq: 18 Jan 2019 12:35

Tgt Ion: 62 Resp: 23161

Ion Ratio Lower Upper

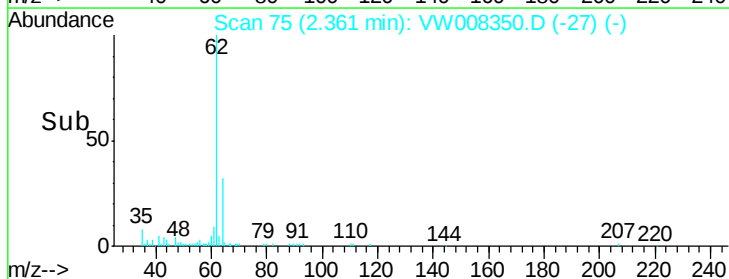
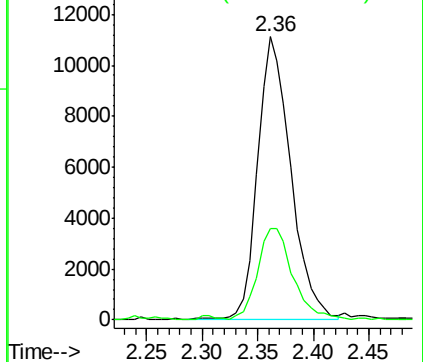
62 100

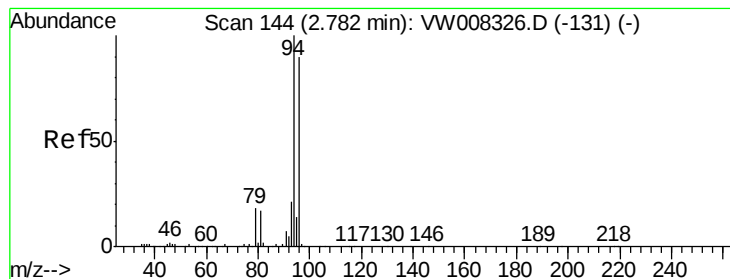
64 32.1 29.4 44.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 25.698 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion: 94 Resp: 18834

Ion Ratio Lower Upper

94 100

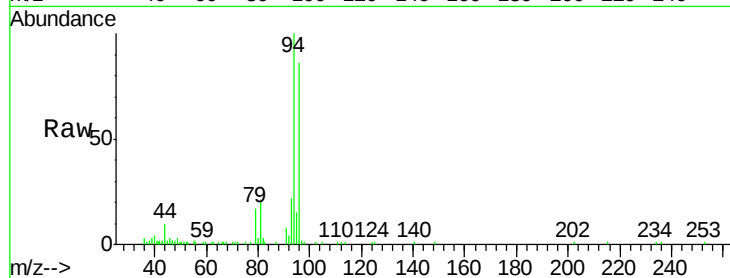
96 85.5 71.4 107.0

Manual Integrations

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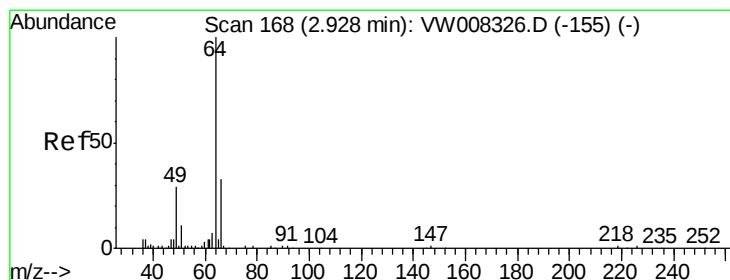
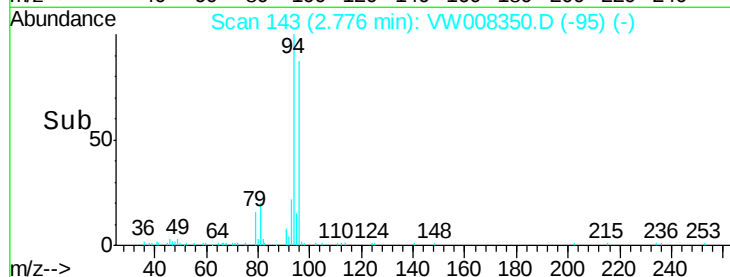
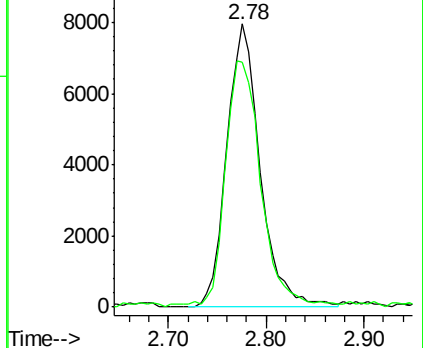
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 26.061 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008350.D

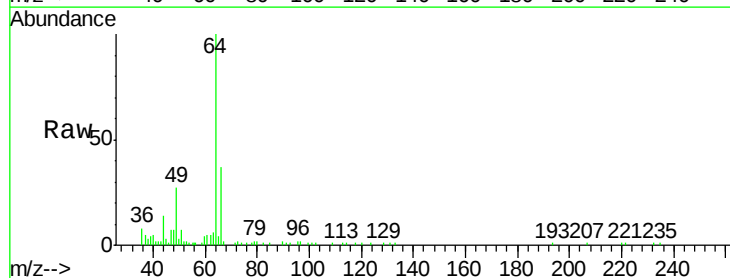
Acq: 18 Jan 2019 12:35

Tgt Ion: 64 Resp: 16497

Ion Ratio Lower Upper

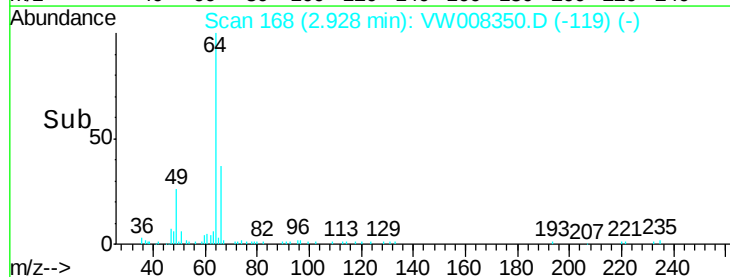
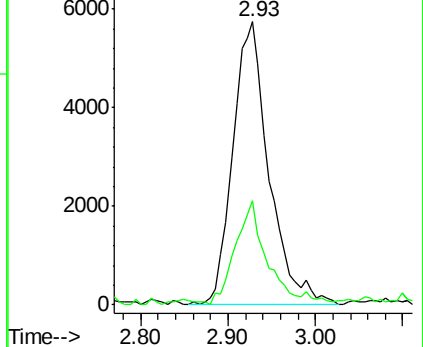
64 100

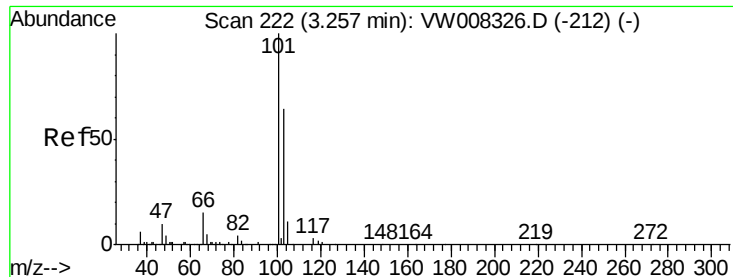
66 35.2 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

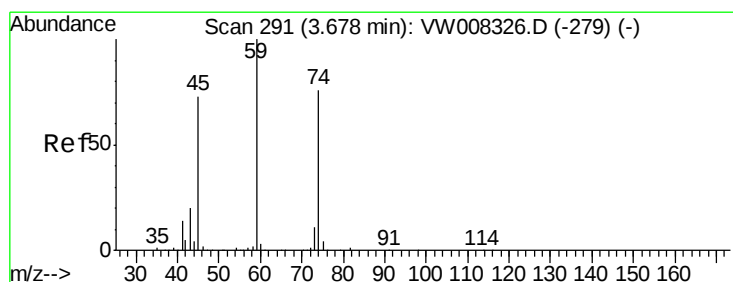
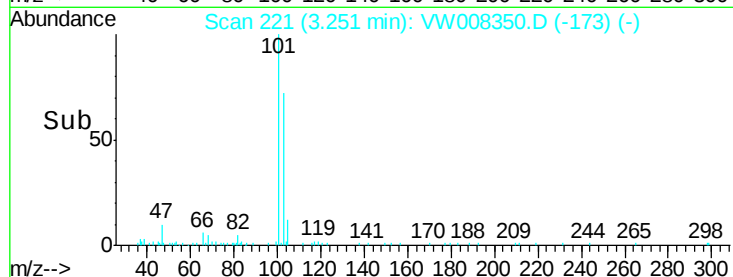
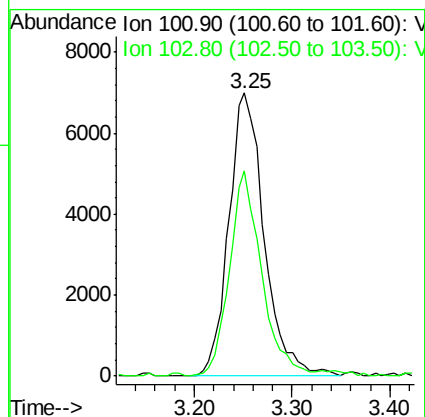
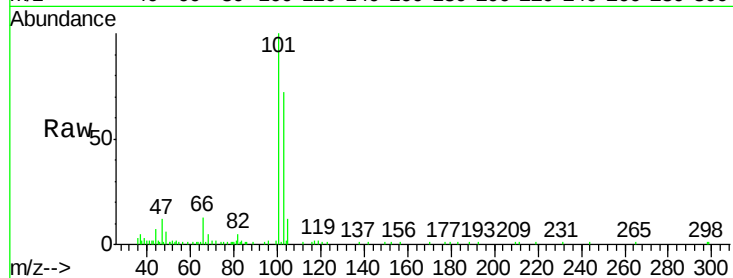
Trichlorofluoromethane
Concen: 24.754 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	72.4	50.9	76.3

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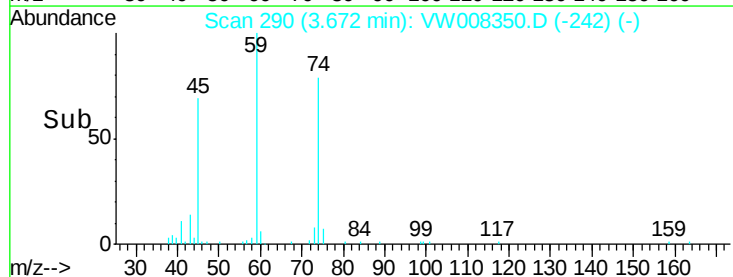
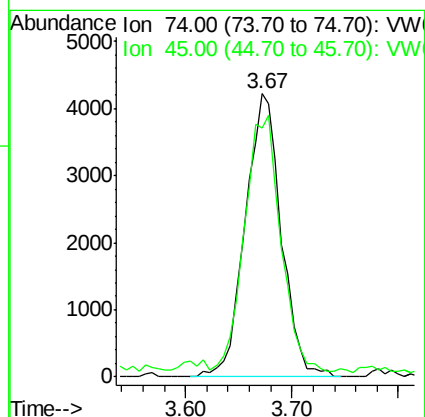
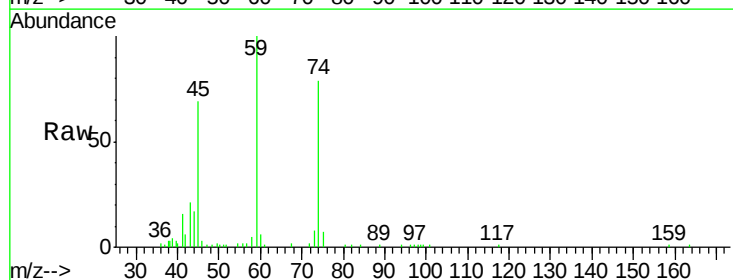
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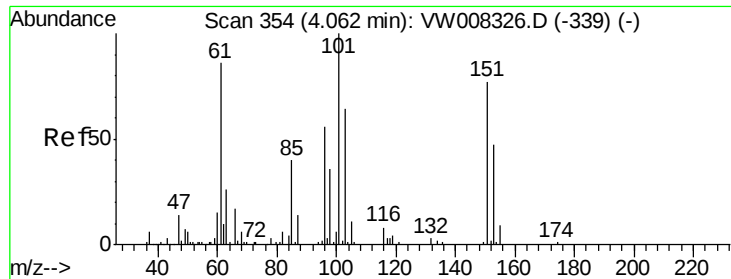


#8

Diethyl Ether
Concen: 20.327 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.544 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

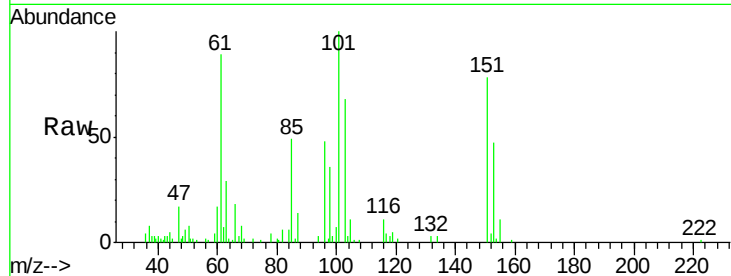
ClientSampleId :

VW0118SBS01

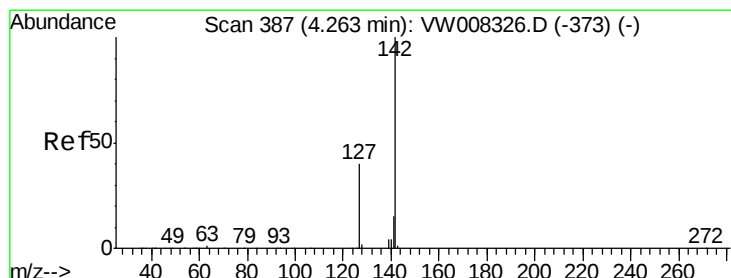
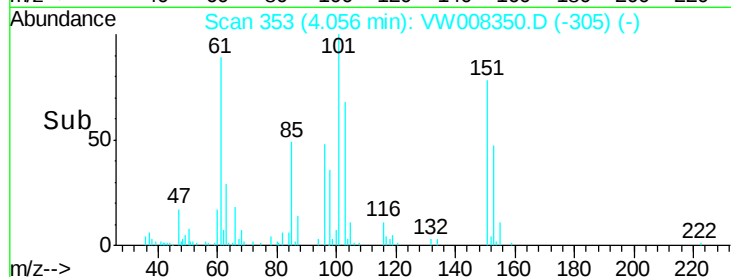
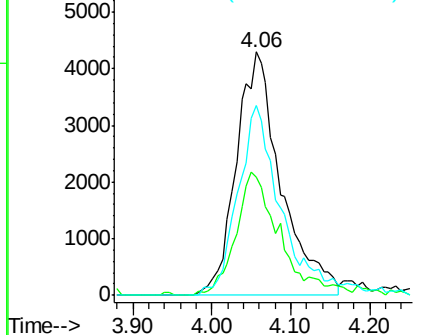
Tot Ion:	101	Resp:	16984
Ion Ratio	Lower	Upper	
101	100		
85	49.5	36.0	54.0
151	75.7	62.3	93.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.998 ug/l

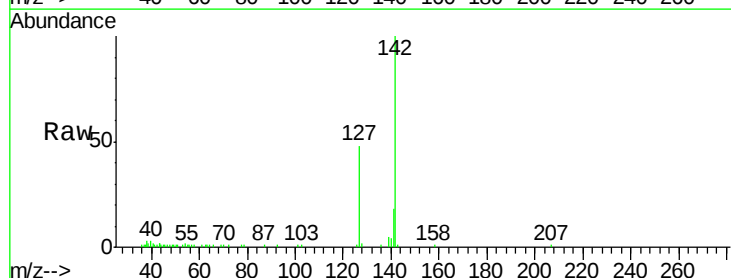
RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

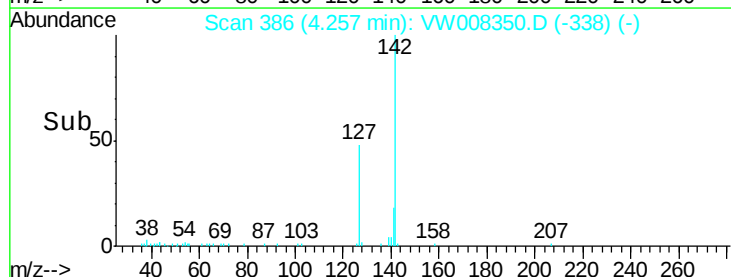
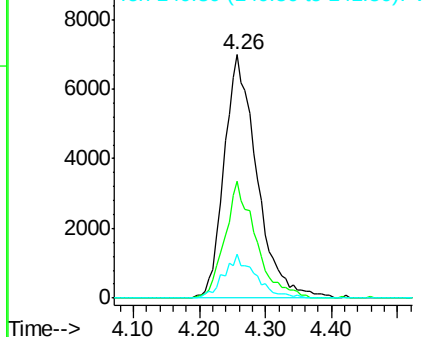
Lab File: VW008350.D

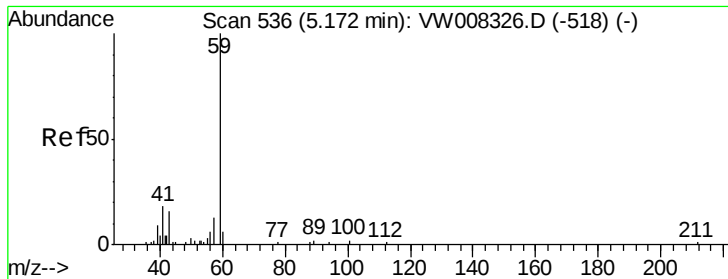
Acq: 18 Jan 2019 12:35

Tgt Ion:	142	Resp:	23997
Ion Ratio	Lower	Upper	
142	100		
127	45.4	34.3	51.5
141	17.1	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

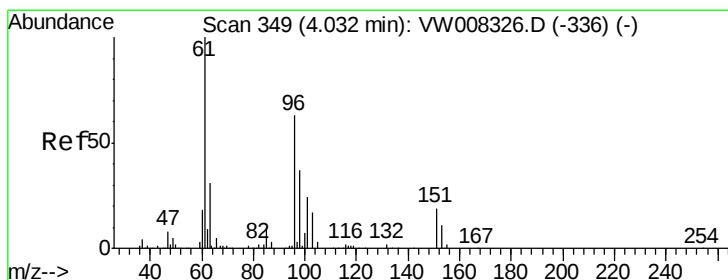
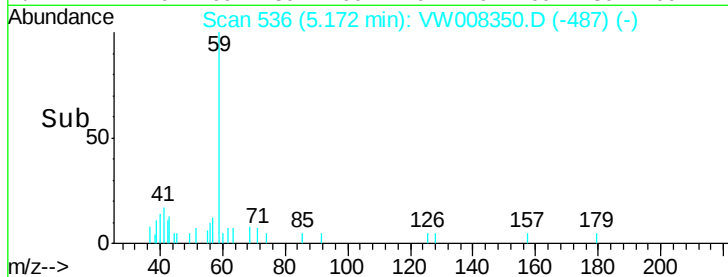
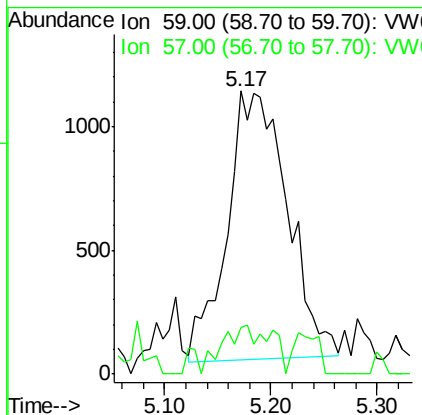
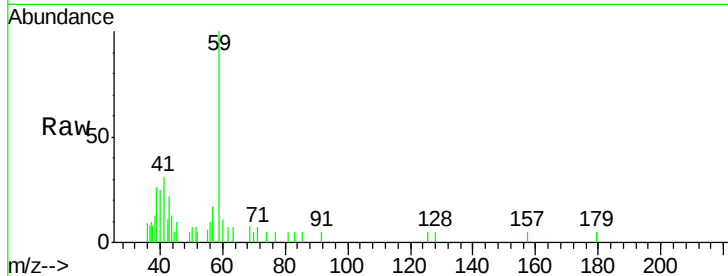
Tert butyl alcohol
Concen: 74.990 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	9.4	14.2#

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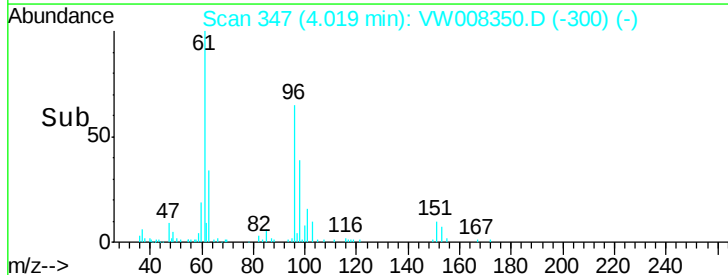
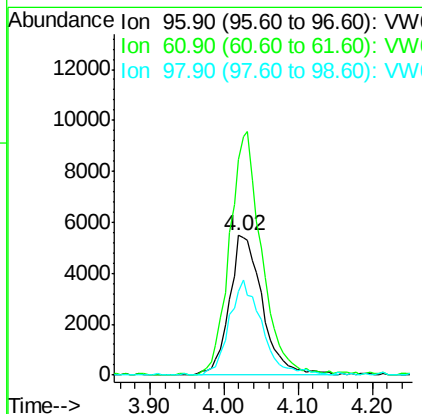
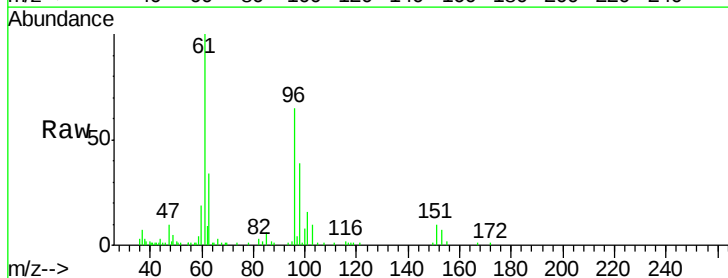
MMDadoda
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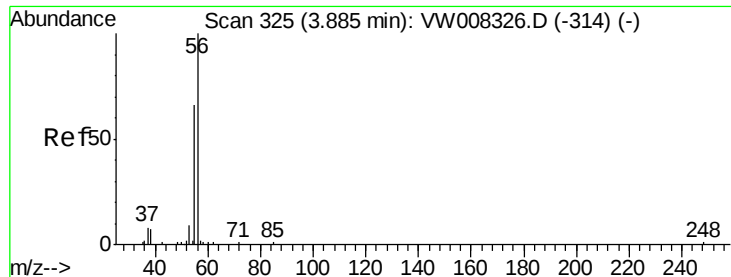


#12

1,1-Dichloroethene
Concen: 20.426 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	126.4	189.6
98	60.3	46.7	70.1





#13

Acrolein

Concen: 68.429 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion: 56 Resp: 3721

Ion Ratio Lower Upper

56 100

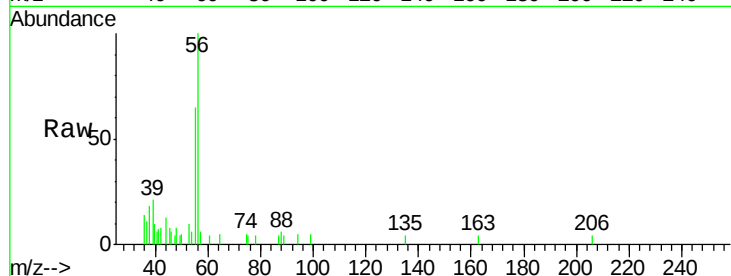
55 78.4 52.9 79.3

Manual Integrations

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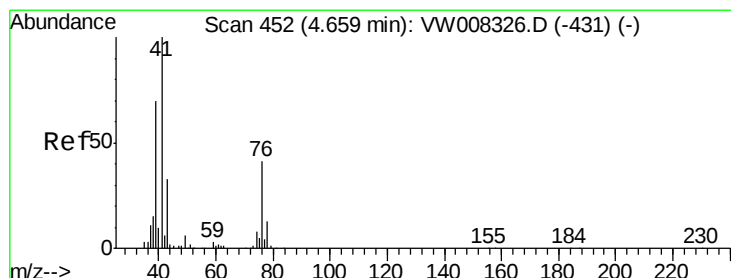
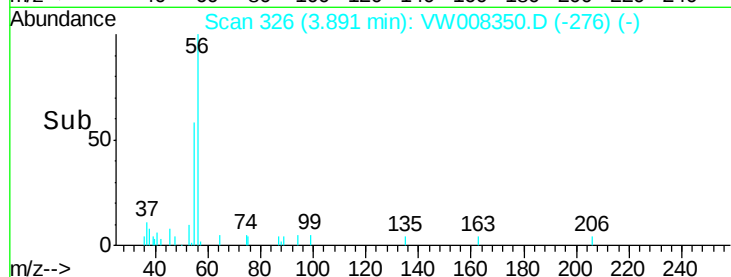
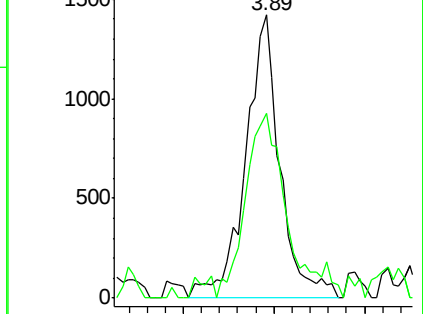
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.006 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

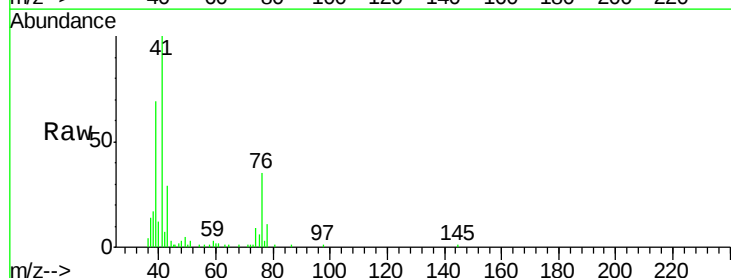
Tgt Ion: 41 Resp: 29528

Ion Ratio Lower Upper

41 100

39 72.3 54.1 81.1

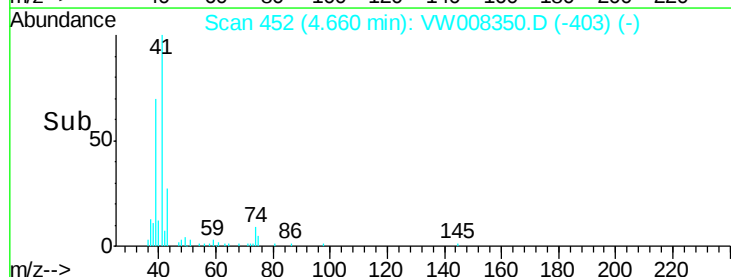
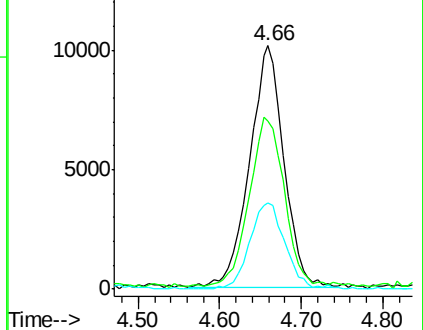
76 36.5 29.5 44.3

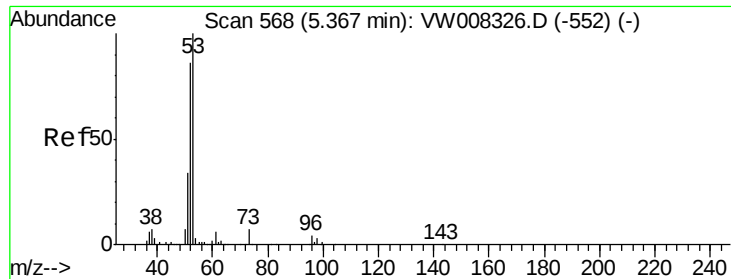


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.740 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

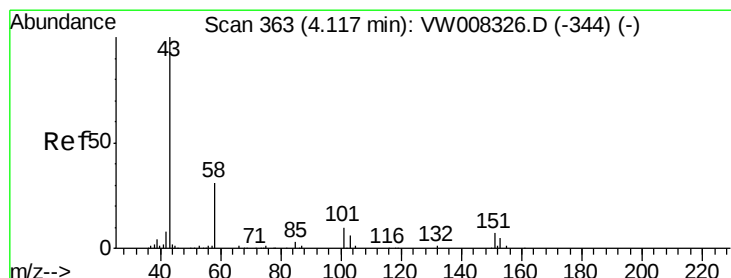
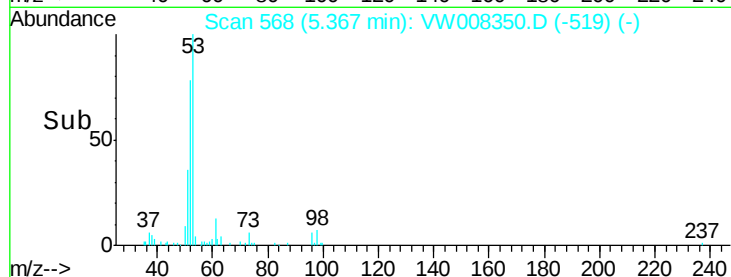
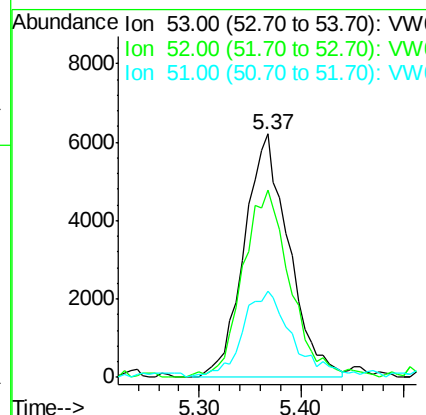
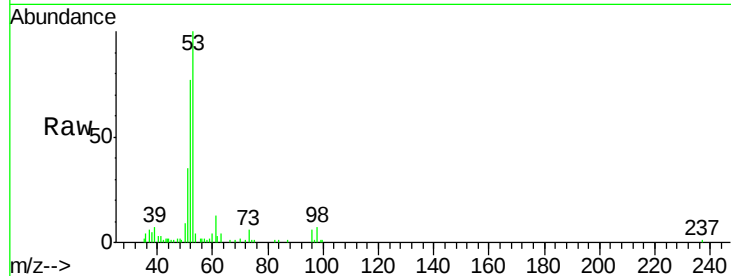
ClientSampleId :

VW0118SBS01

Tot Ion:	53	Resp:	18866
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.4	99.6
51	39.5	29.6	44.4

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#16

Acetone

Concen: 96.906 ug/l

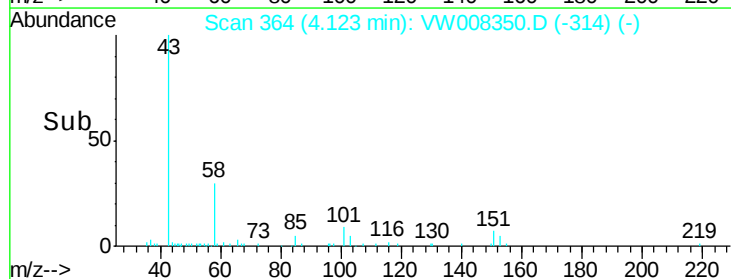
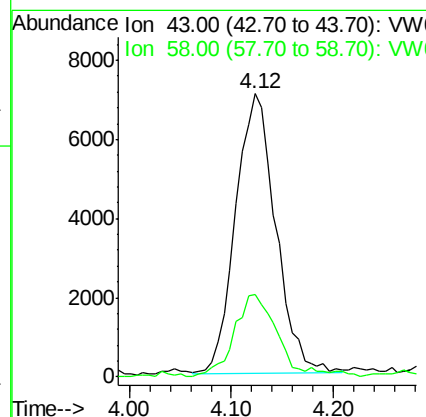
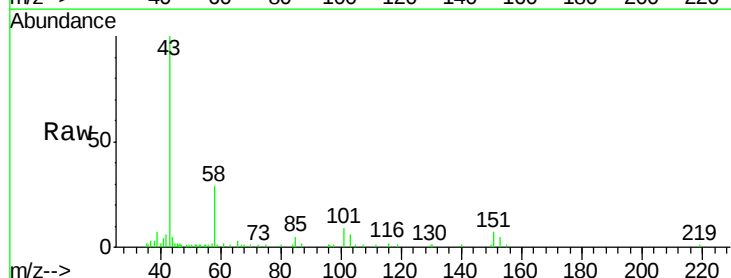
RT: 4.12 min Scan# 364

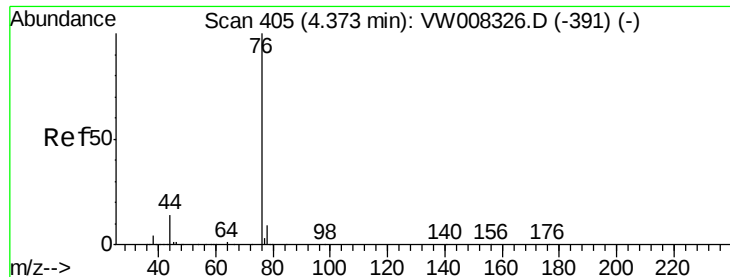
Delta R.T. 0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	43	Resp:	19184
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.7	37.1





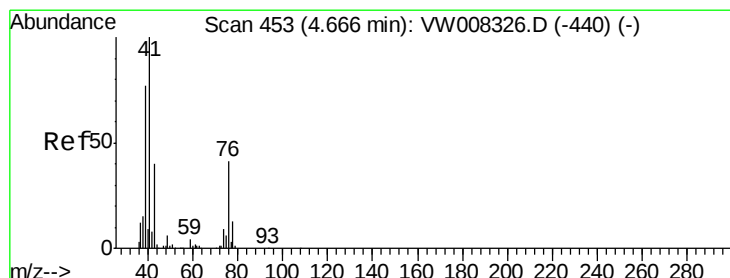
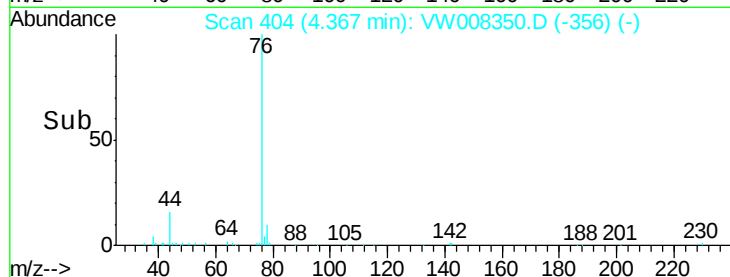
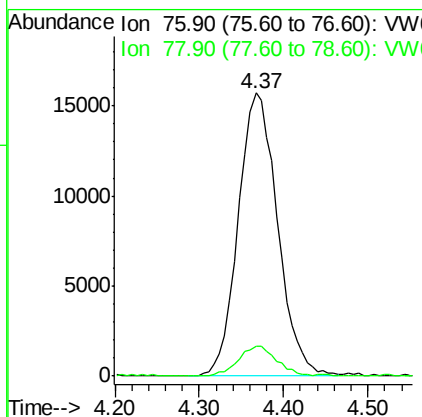
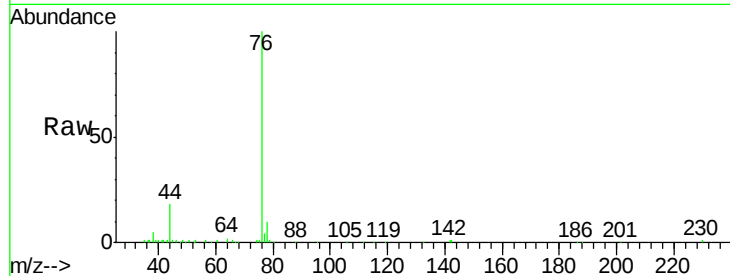
#17
Carbon Disulfide
Concen: 19.446 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.0	10.4

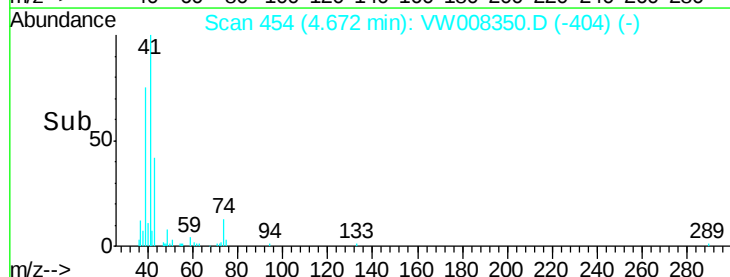
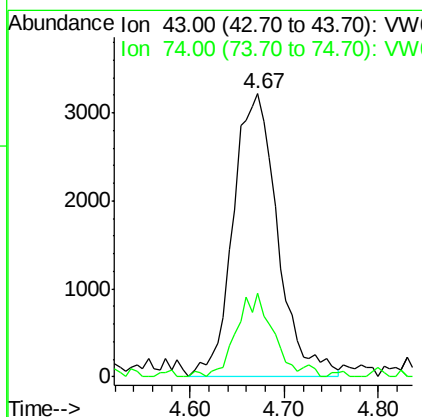
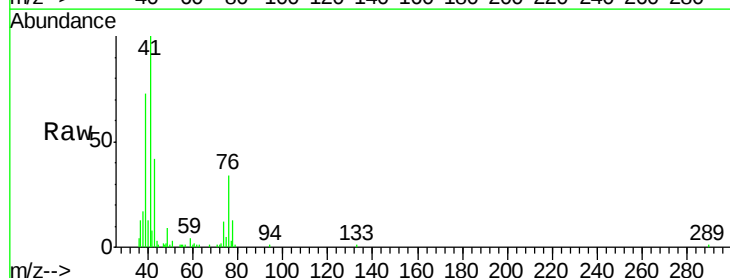
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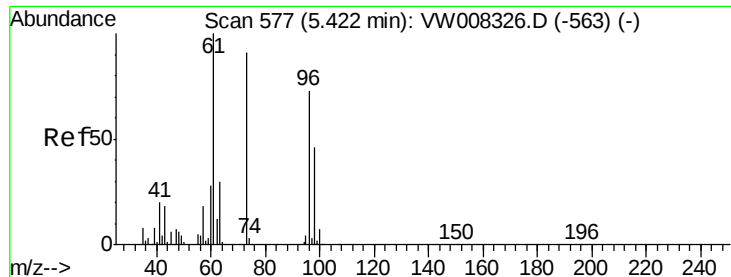
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#18
Methyl Acetate
Concen: 19.975 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.4	29.0





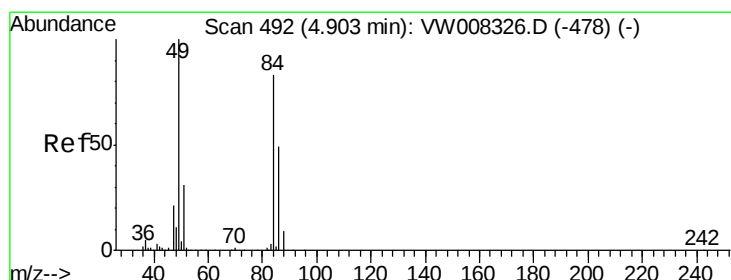
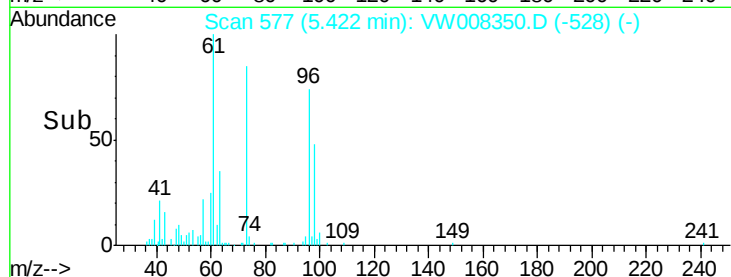
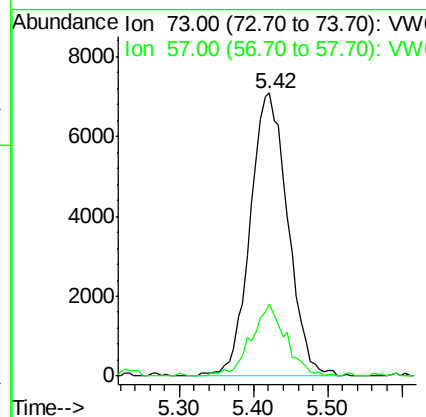
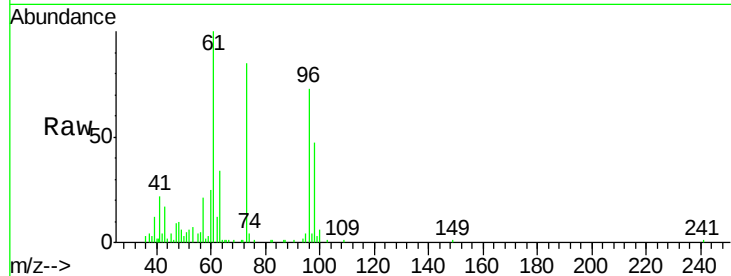
#19
Methvl tert-butvl Ether
Concen: 19.469 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion: 73 Resp: 25059
Ion Ratio Lower Upper
73 100
57 25.4 16.3 24.5#

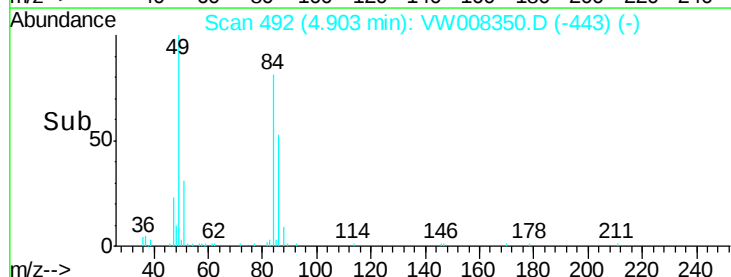
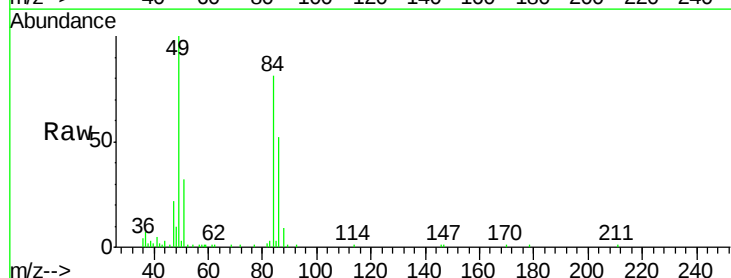
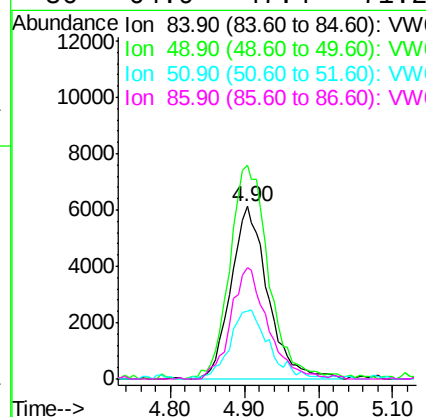
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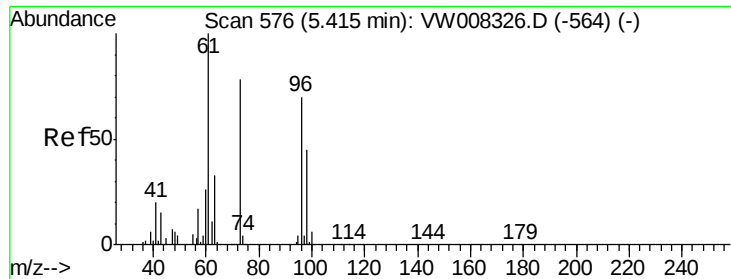
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#20
Methylene Chloride
Concen: 21.104 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion: 84 Resp: 21269
Ion Ratio Lower Upper
84 100
49 122.0 95.9 143.9
51 38.2 29.3 43.9
86 64.9 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 21.037 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

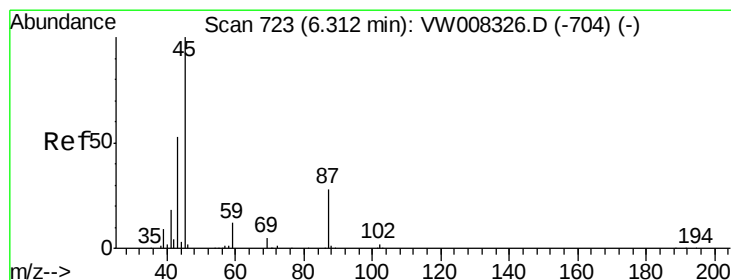
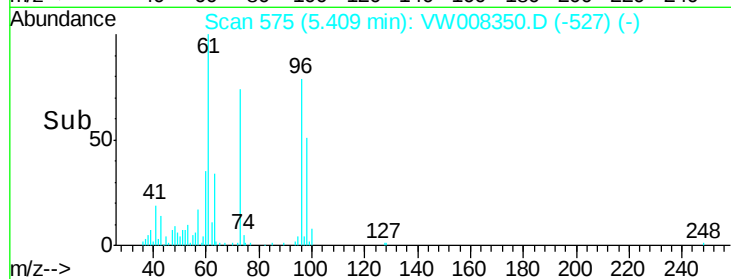
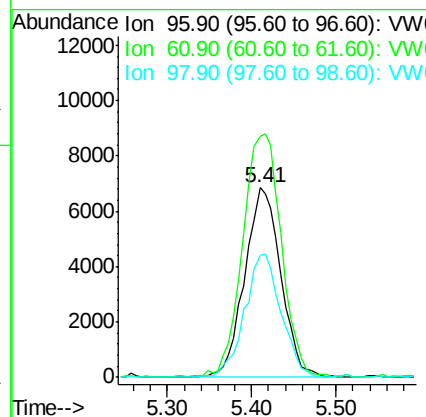
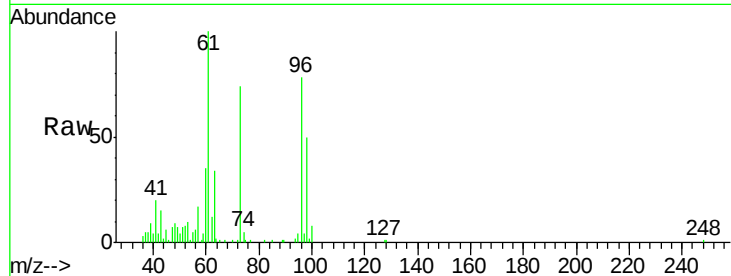
ClientSampleId :

VW0118SBS01

Tot Ion:	96	Resp:	19867
Ion	Ratio	Lower	Upper
96	100		
61	126.9	114.5	171.7
98	64.5	52.0	78.0

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#22

Diisopropyl ether

Concen: 21.872 ug/l

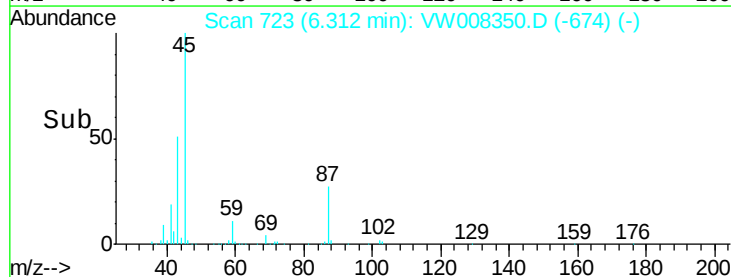
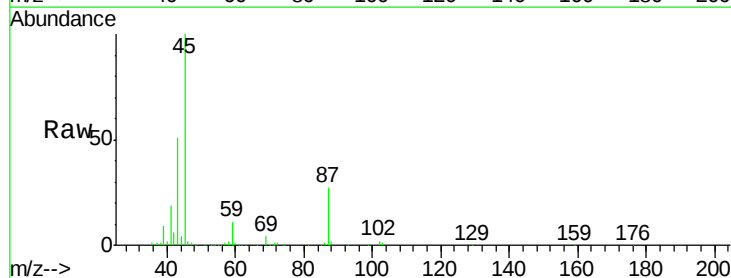
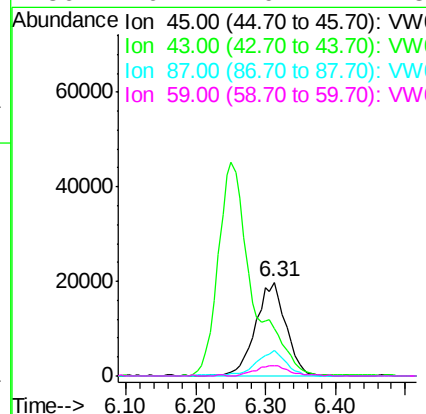
RT: 6.31 min Scan# 723

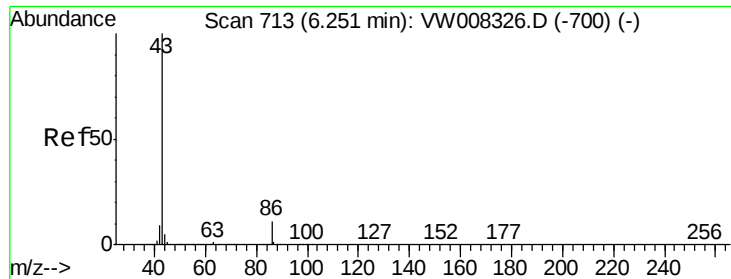
Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	45	Resp:	60025
Ion	Ratio	Lower	Upper
45	100		
43	49.9	42.5	63.7
87	27.0	22.2	33.2
59	10.2	9.7	14.5





#23

Vinyl Acetate

Concen: 104.619 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0118SBS01

Tot Ion: 43 Resp: 153473

Ion Ratio Lower Upper

43 100

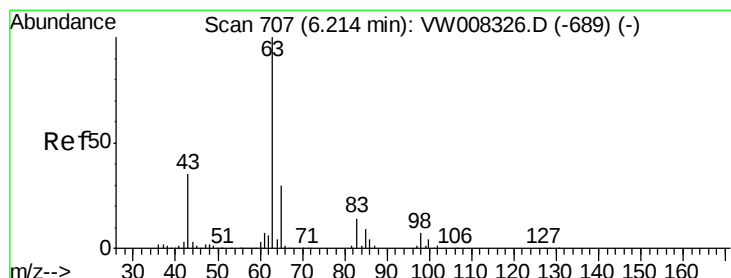
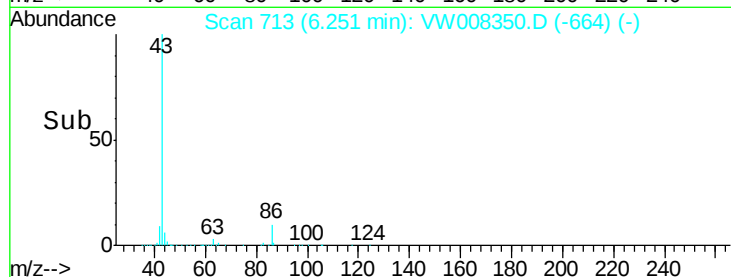
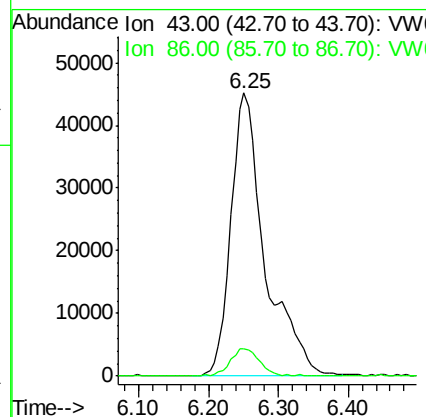
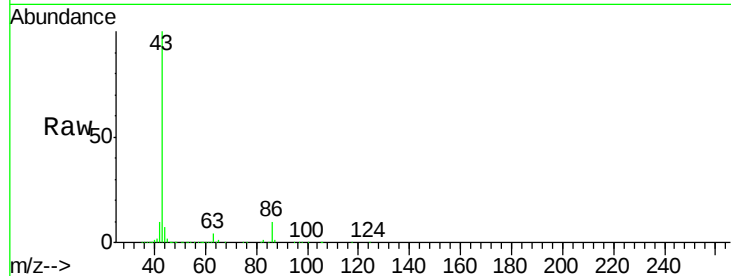
86 9.8 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 21.561 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

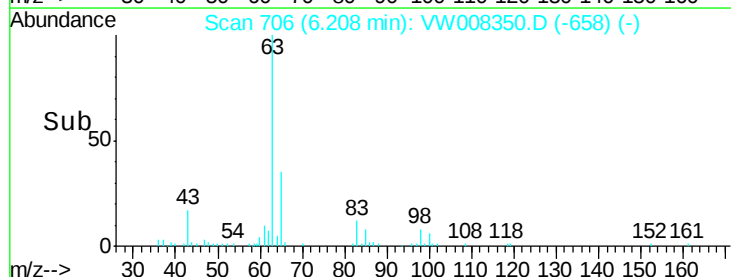
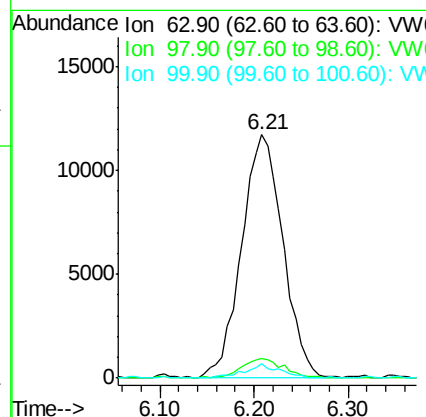
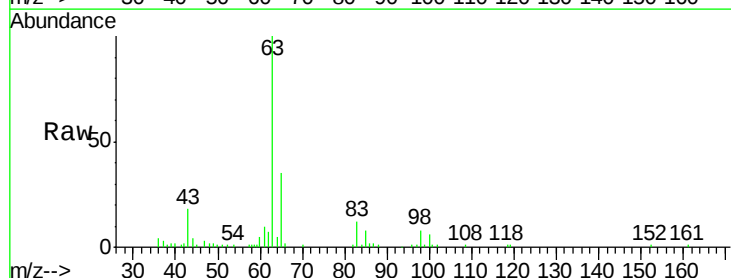
Tgt Ion: 63 Resp: 36028

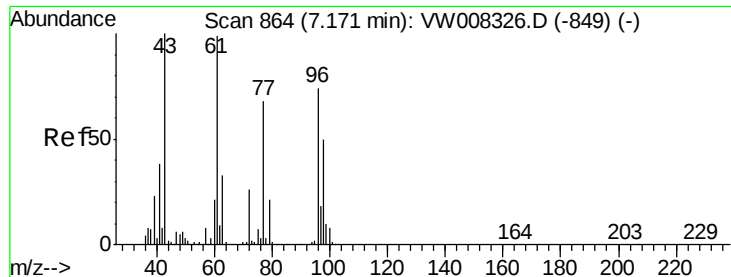
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.6

100 6.1 2.1 6.3





#25

2-Butanone

Concen: 98.946 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0118SBS01

Tot Ion: 43 Resp: 25088

Ion Ratio Lower Upper

43 100

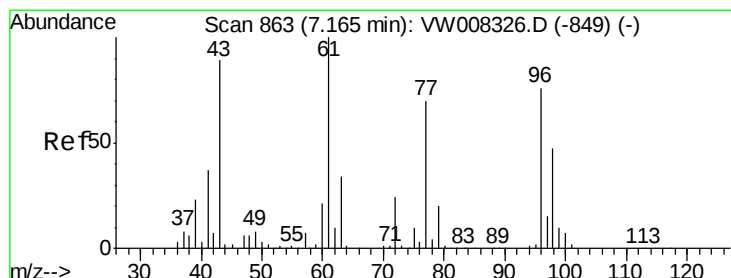
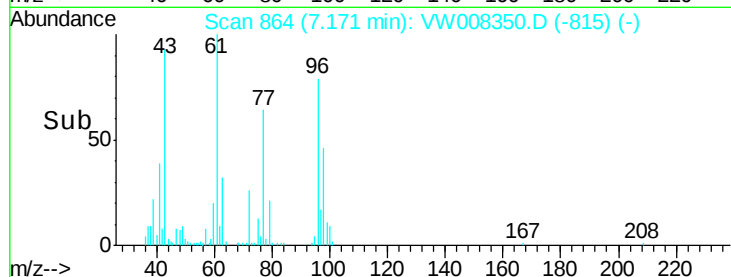
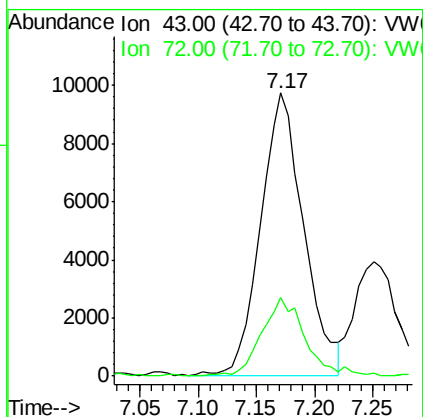
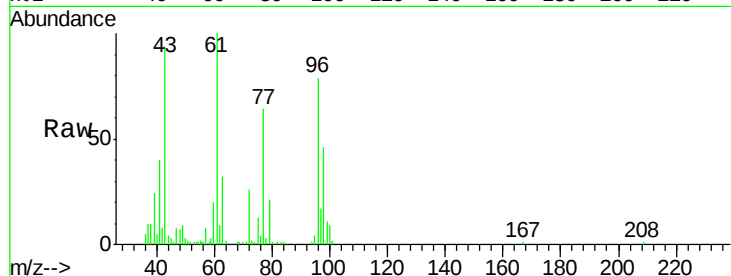
72 28.0 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 21.991 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008350.D

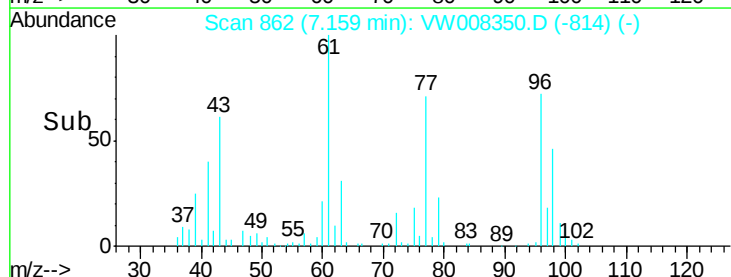
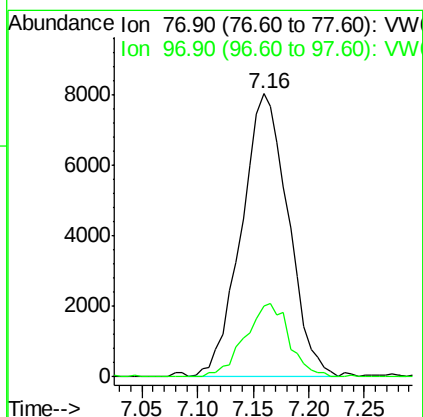
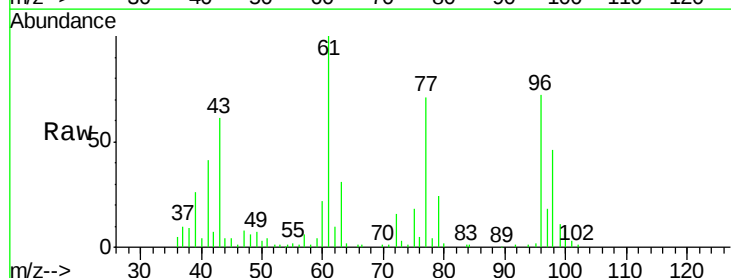
Acq: 18 Jan 2019 12:35

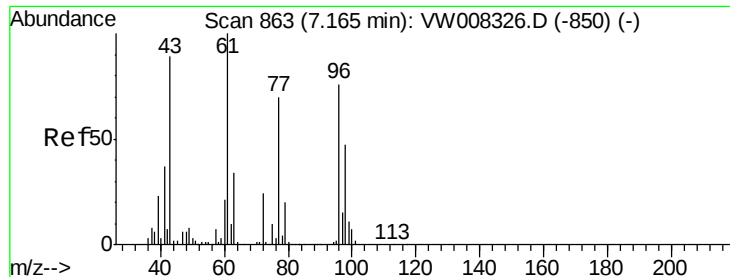
Tgt Ion: 77 Resp: 23450

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1





#27

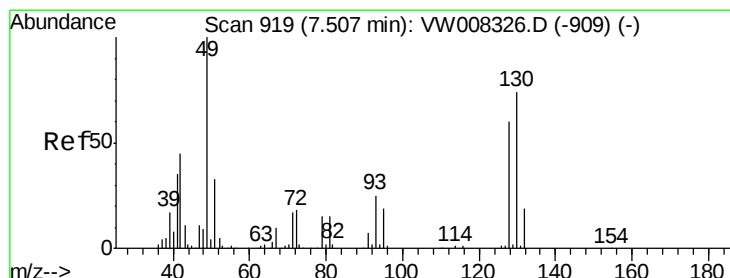
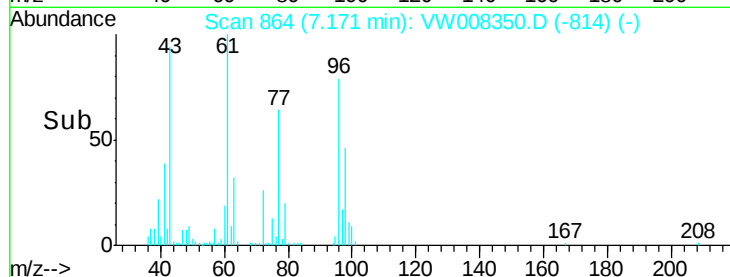
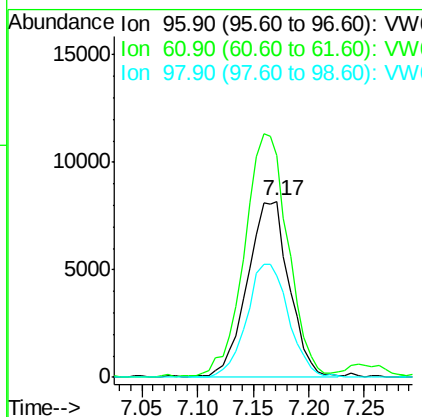
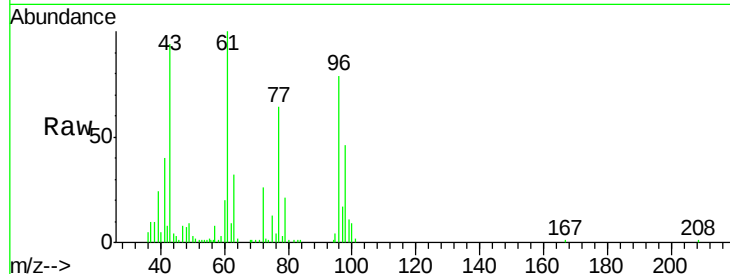
cis-1,2-Dichloroethene
 Concen: 21.152 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0118SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	272.2
98	63.9	0.0	129.4

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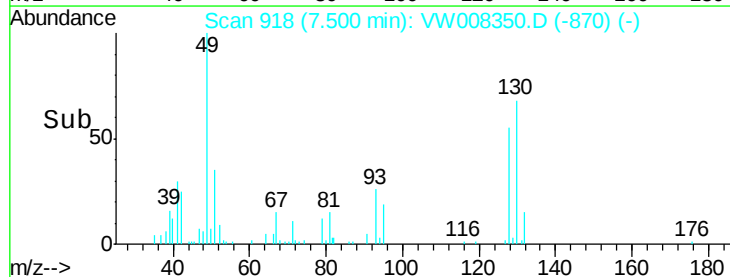
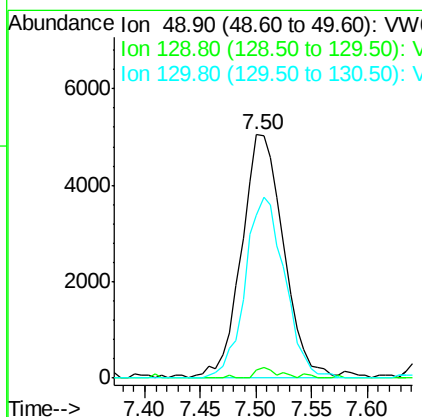
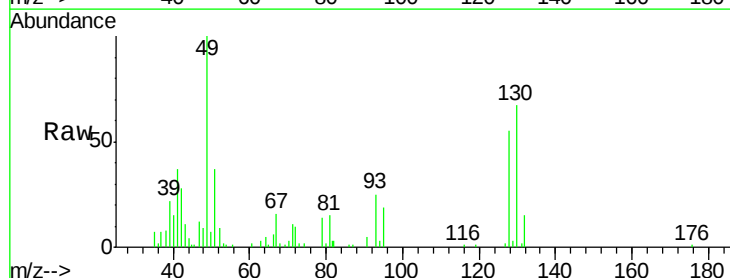
MMDadoda
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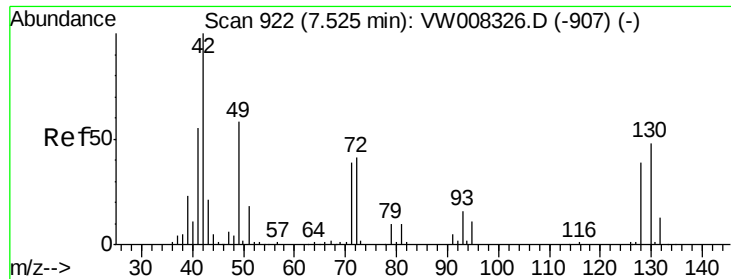


#28

Bromochloromethane
 Concen: 19.274 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.6
130	70.1	0.0	0.0#





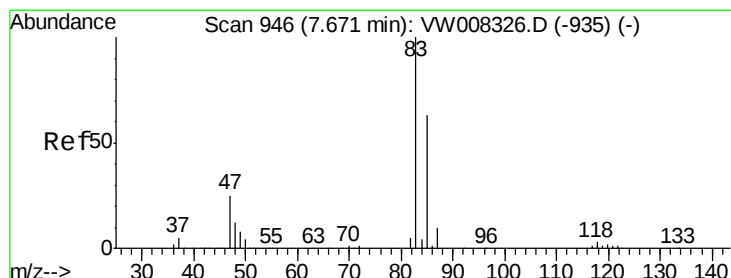
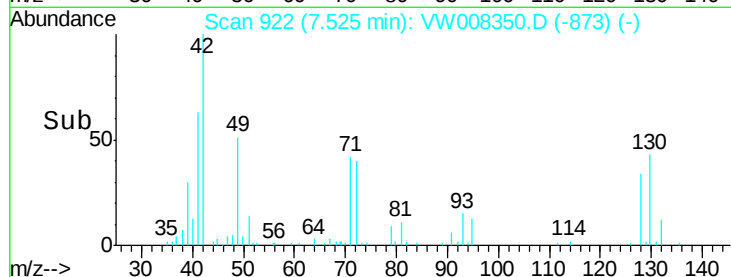
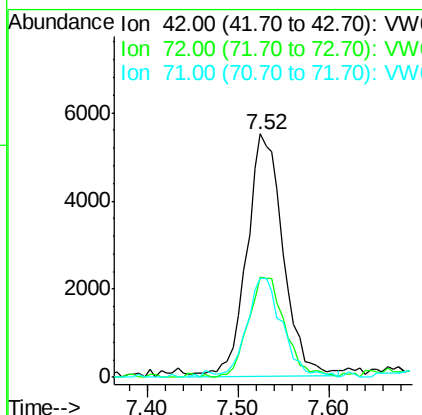
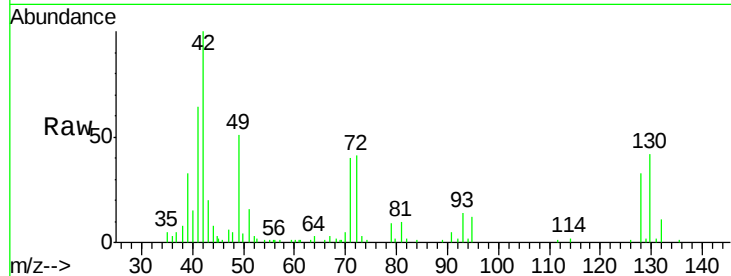
#29
Tetrahydrofuran
Concen: 96.116 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	40.1	32.0	48.0

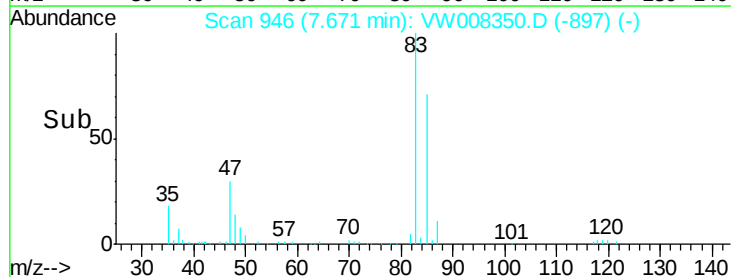
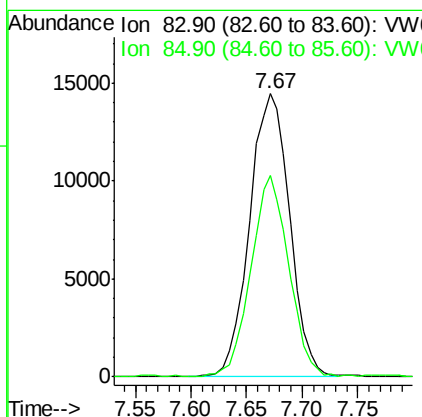
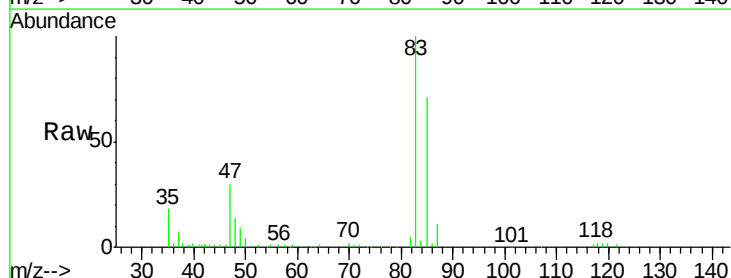
Manual Integrations
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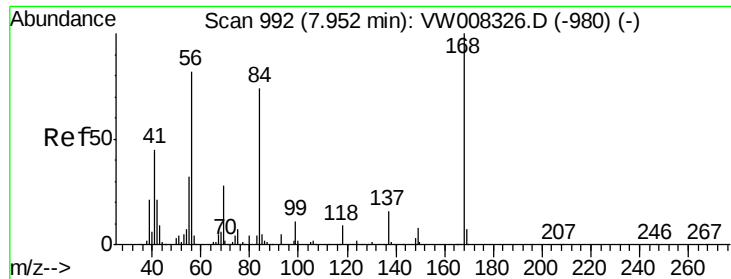
MMDadoda
1/21/2019 11:09:40 AM



#30
Chloroform
Concen: 21.946 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.4	50.2	75.2





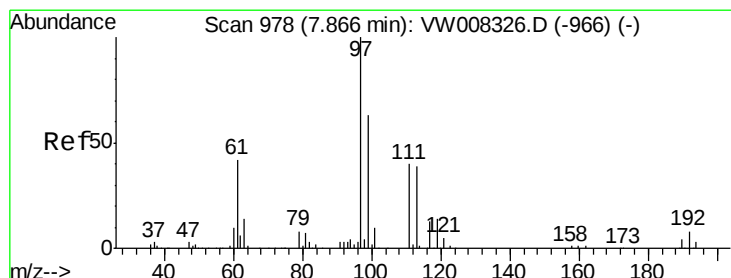
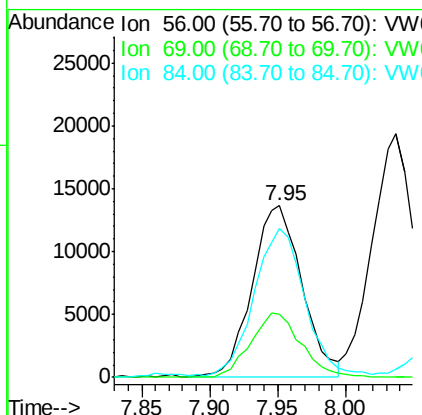
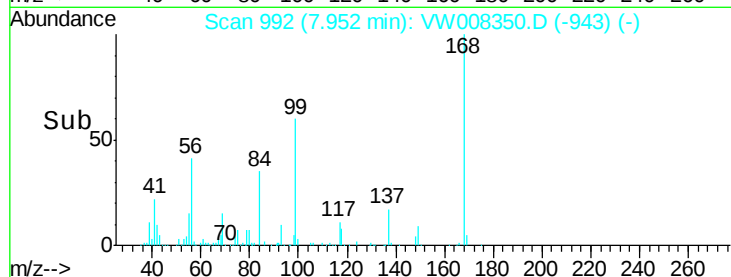
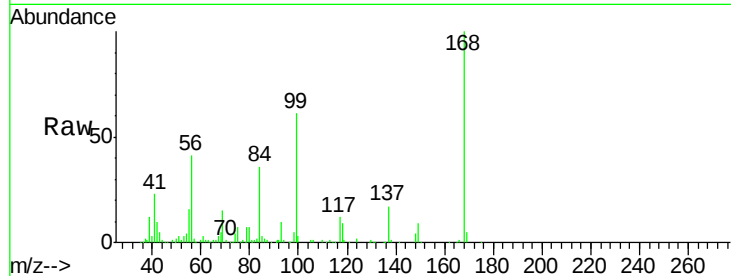
#31
Cyclohexane
Concen: 22.032 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	27.0	40.6
84	86.0	72.5	108.7

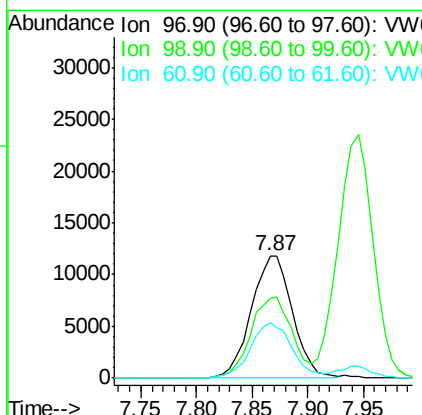
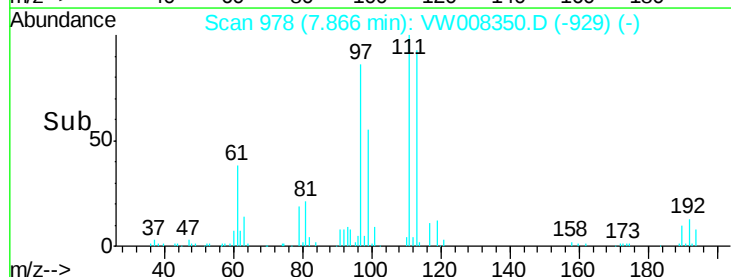
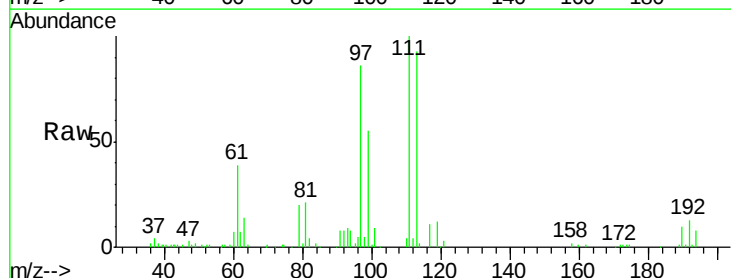
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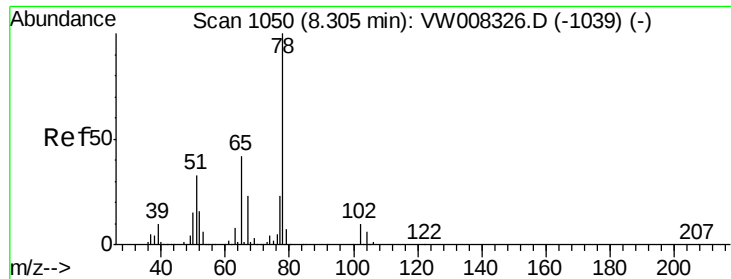
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#32
1,1,1-Trichloroethane
Concen: 21.924 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.1	76.7
61	45.5	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 55.390 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampled :

VW0118SBS01

Tot Ion: 65 Resp: 47216

Ion Ratio Lower Upper

65 100

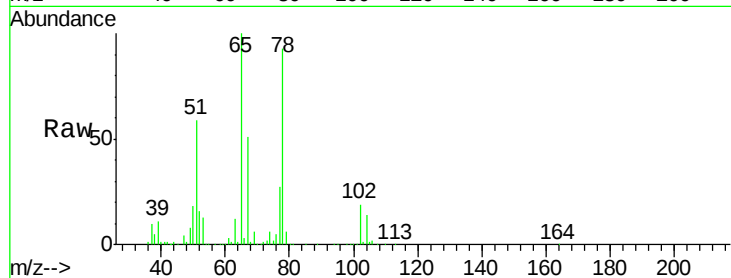
67 53.9 0.0 106.2

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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

25000

20000

15000

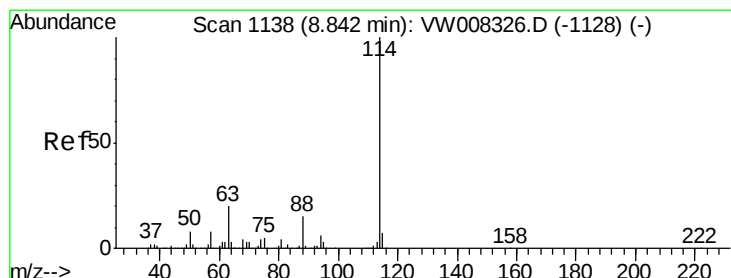
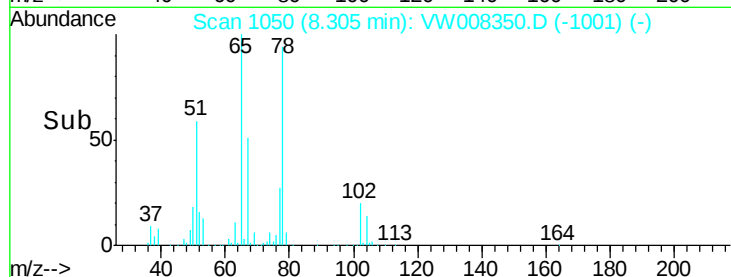
10000

5000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

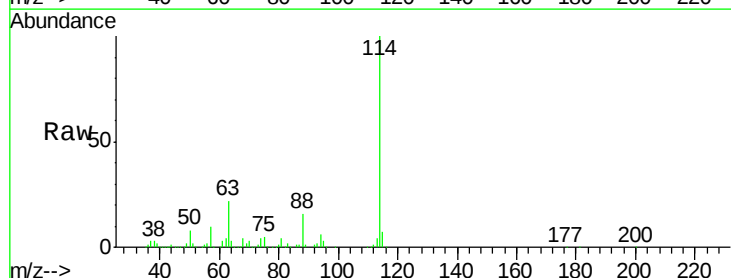
Tgt Ion: 114 Resp: 141111

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.6 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

80000

60000

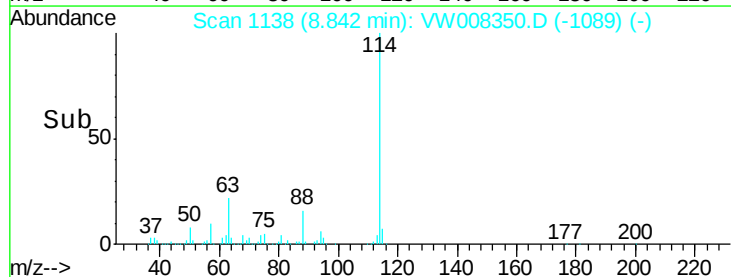
40000

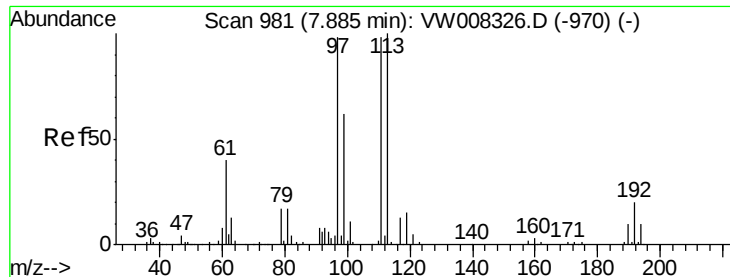
20000

0

Time-->

8.80 8.90





#35

Dibromofluoromethane

Concen: 52.830 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

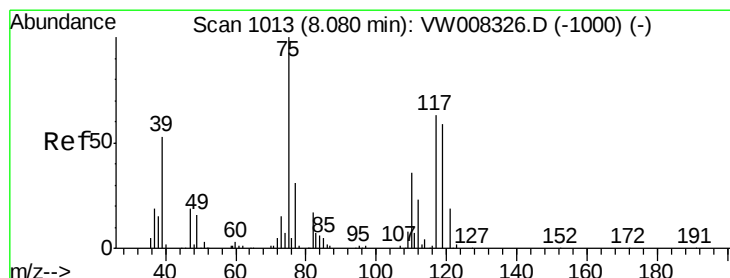
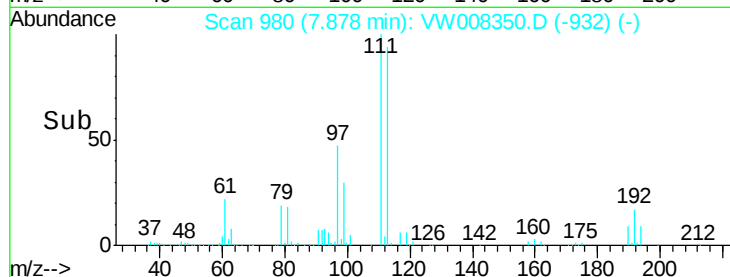
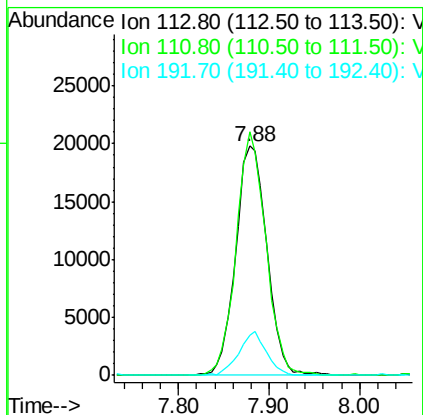
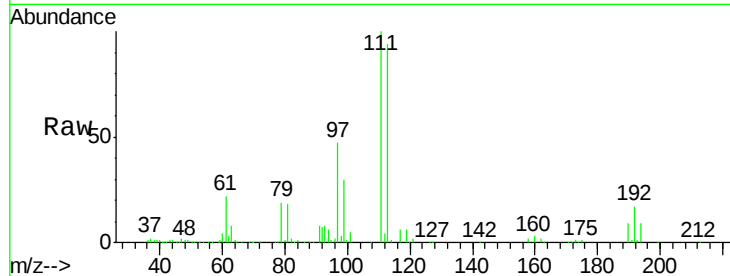
ClientSampleId :

VW0118SBS01

Tot Ion:	113	Resp:	47587
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.8	122.8
192	16.9	16.3	24.5

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#36

1,1-Dichloropropene

Concen: 21.422 ug/l

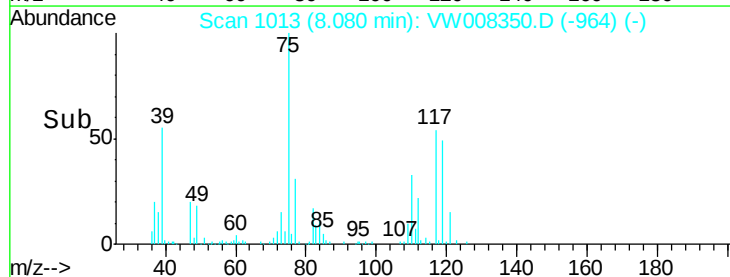
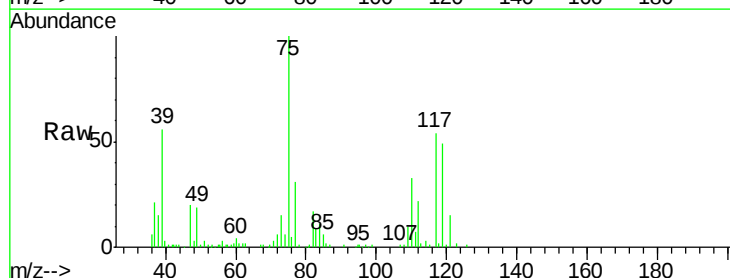
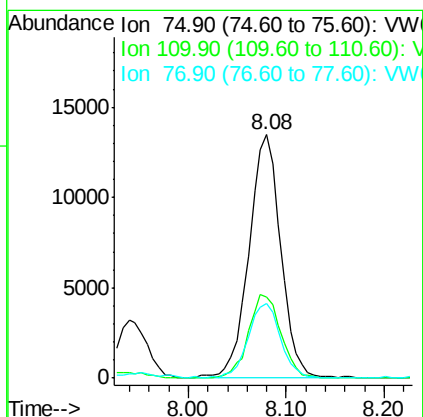
RT: 8.08 min Scan# 1013

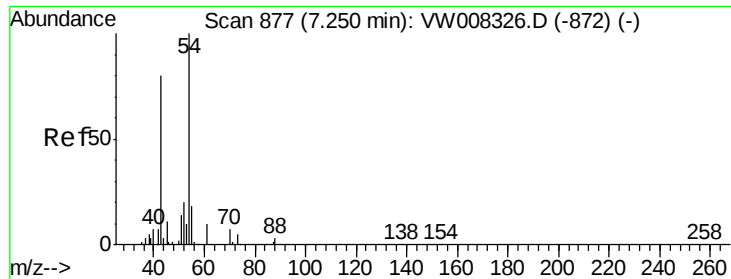
Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	75	Resp:	30413
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.6
77	31.2	25.0	37.6





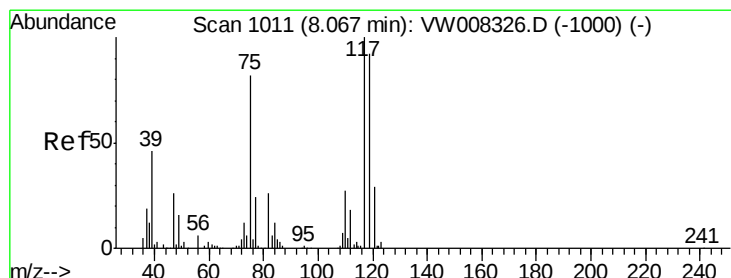
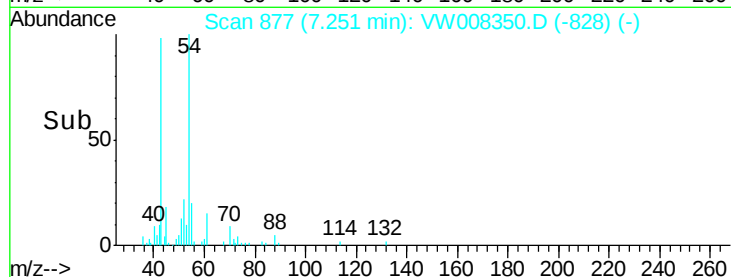
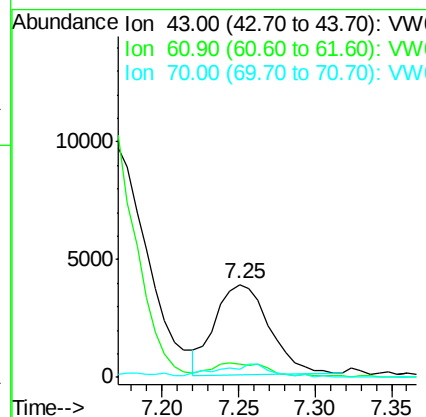
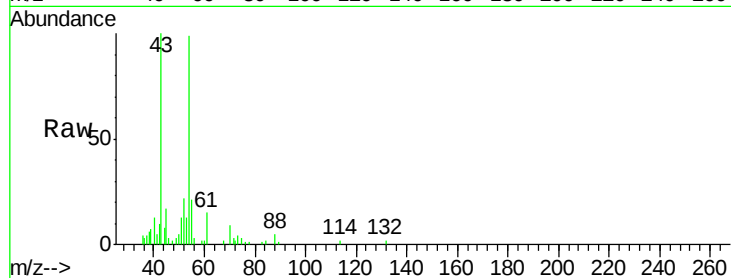
#37
Ethyl Acetate
Concen: 16.140 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.5	17.3#
70	14.8	8.8	13.2#

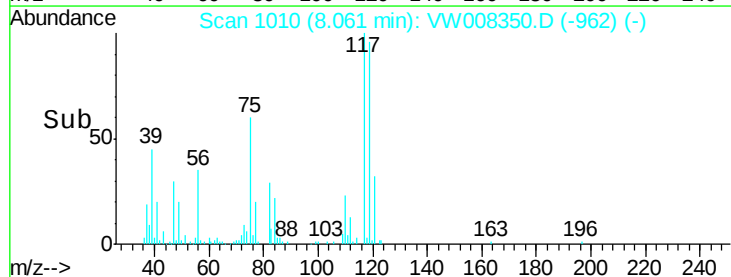
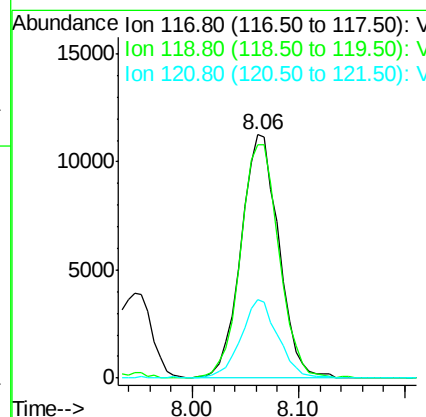
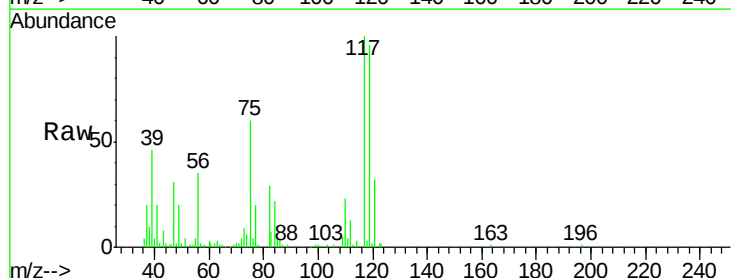
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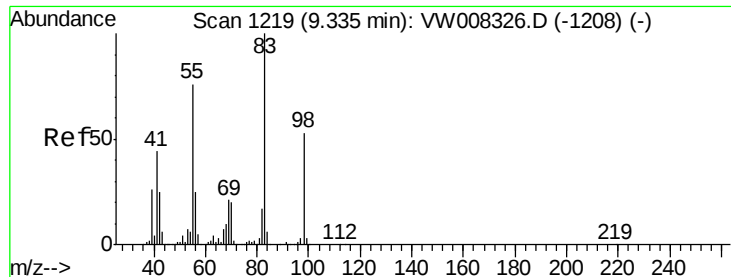
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#38
Carbon Tetrachloride
Concen: 20.045 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	73.8	110.6
121	32.1	23.4	35.0





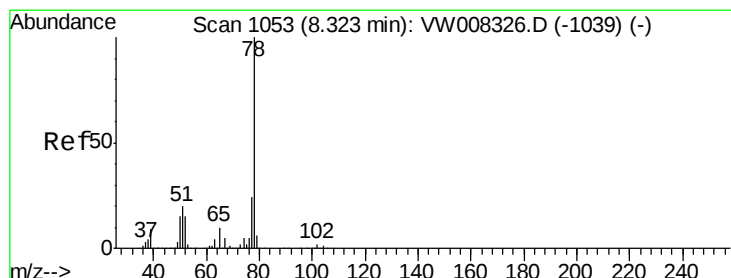
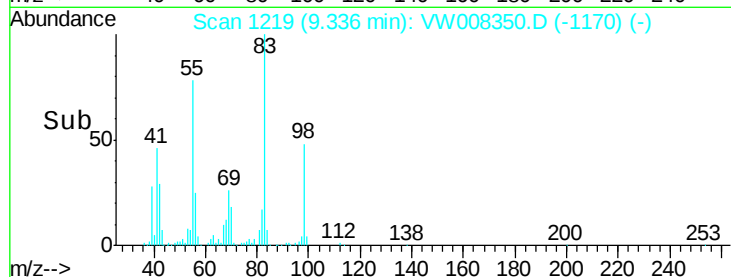
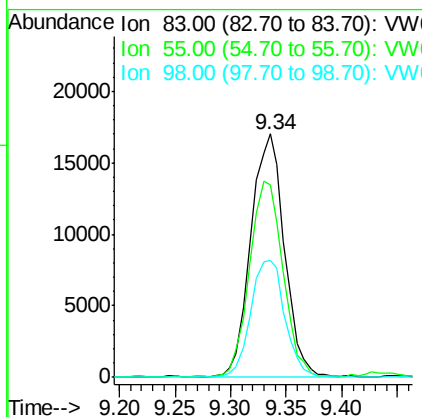
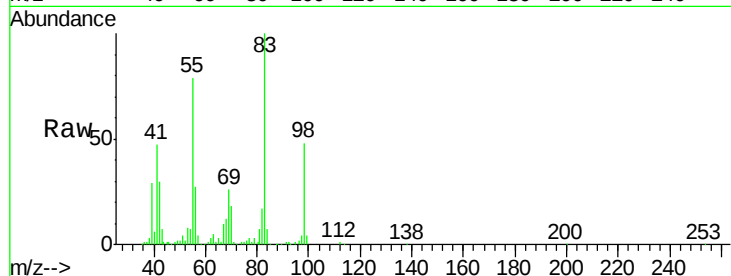
#39
Methvlcvclohexane
Concen: 21.237 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.1	91.7
98	48.2	42.5	63.7

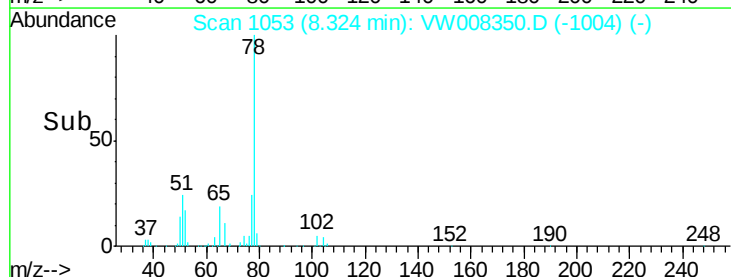
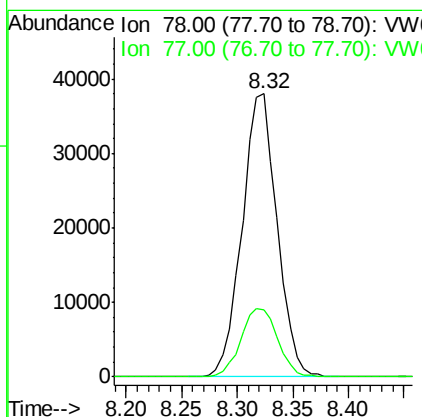
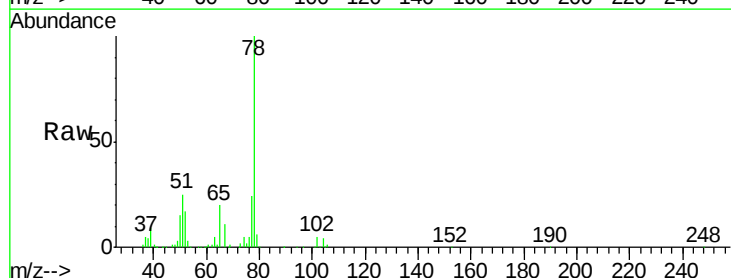
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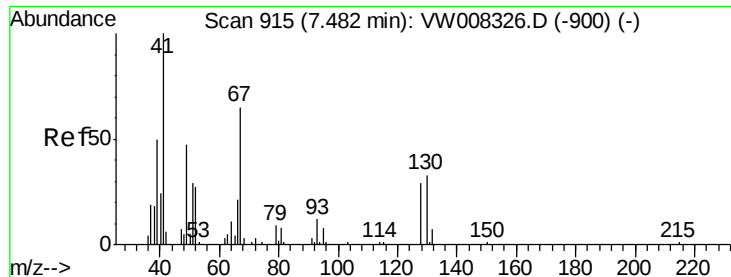
MMDadoda
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#40
Benzene
Concen: 20.664 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





#41

Methacrylonitrile

Concen: 18.673 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

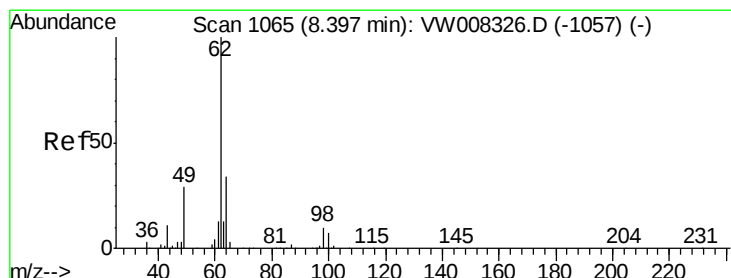
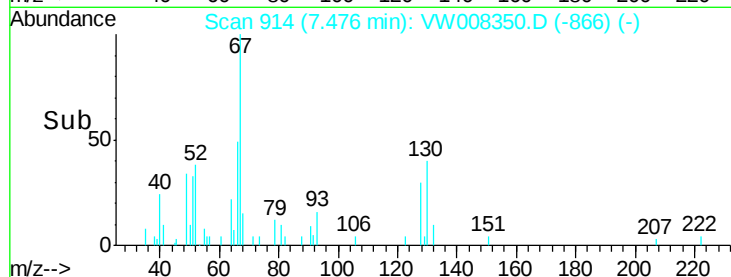
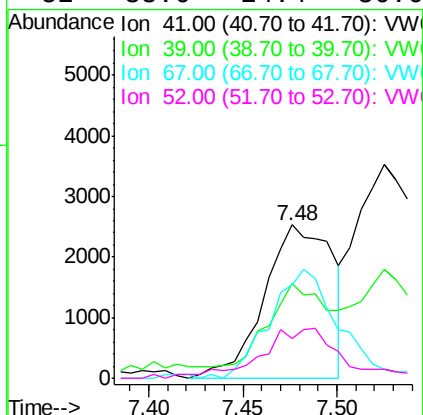
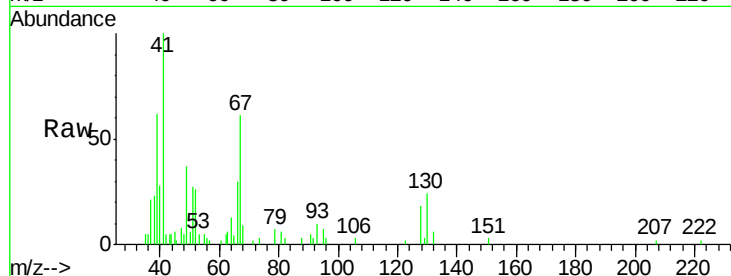
ClientSampleId :

VW0118SBS01

Tot Ion:	41	Resp:	6364
Ion	Ratio	Lower	Upper
41	100		
39	47.0	44.9	67.3
67	72.8	56.9	85.3
52	38.6	24.4	36.6#

Manual Integrations
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1/21/2019 11:09:40 AM



#42

1,2-Dichloroethane

Concen: 20.232 ug/l

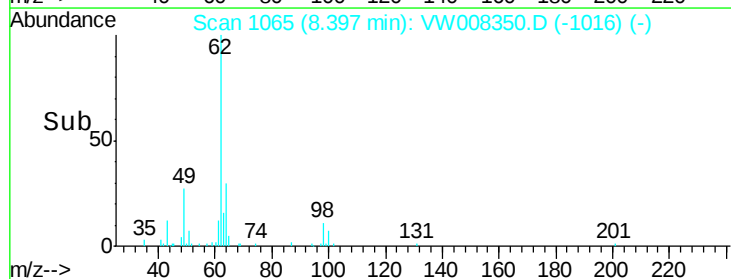
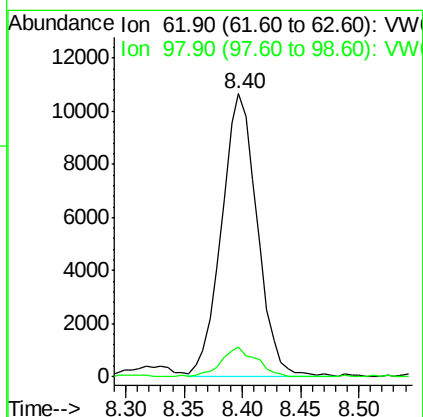
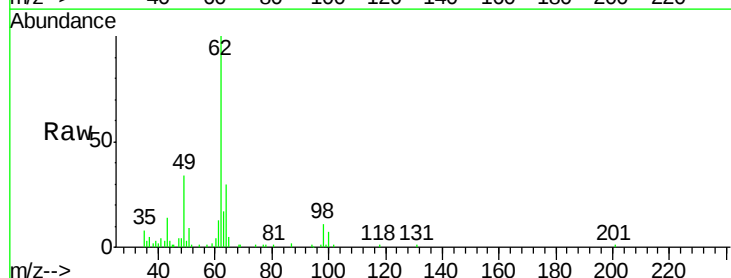
RT: 8.40 min Scan# 1065

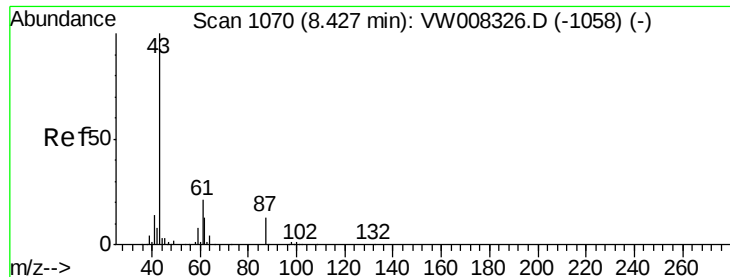
Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	62	Resp:	22751
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 18.156 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

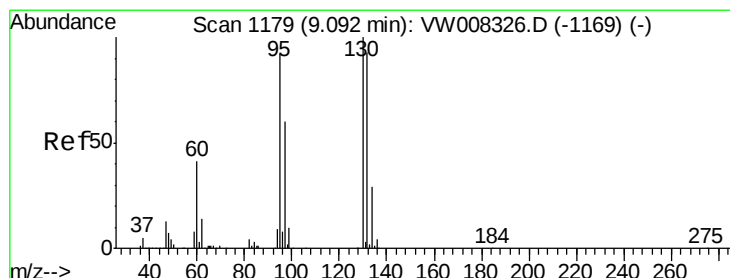
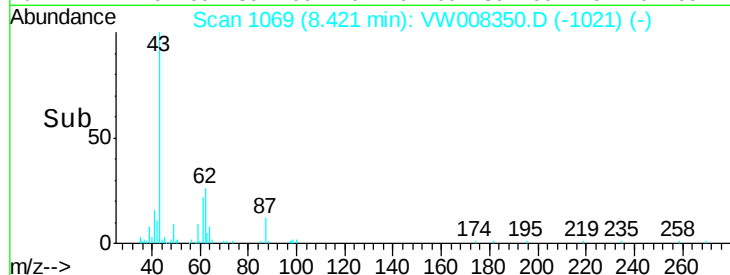
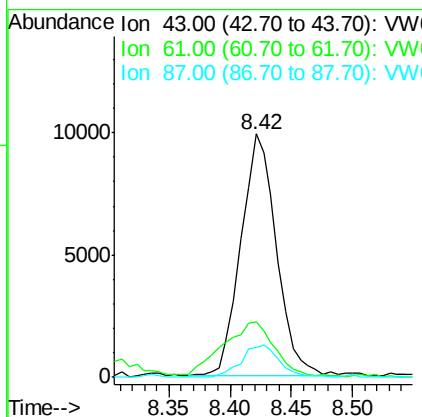
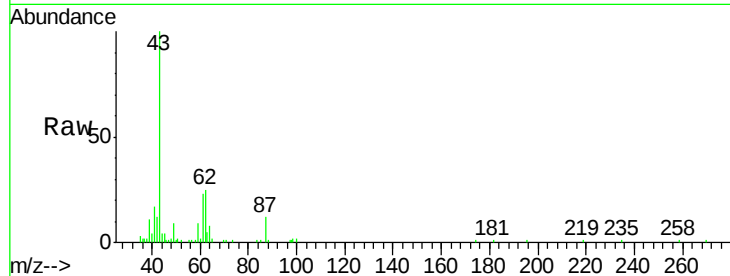
ClientSampleId :

VW0118SBS01

Tot Ion:	43	Resp:	20078
Ion	Ratio	Lower	Upper
43	100		
61	34.1	24.8	37.2
87	14.3	10.7	16.1

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#44

Trichloroethene

Concen: 19.069 ug/l

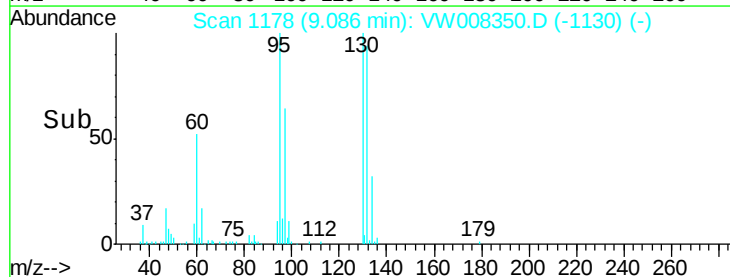
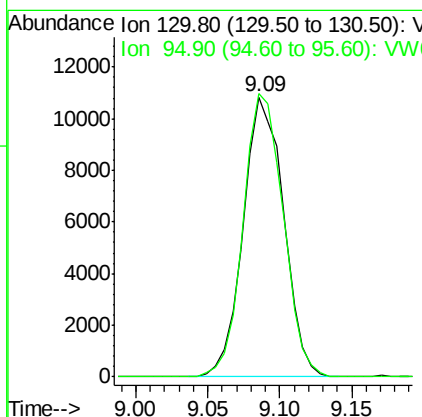
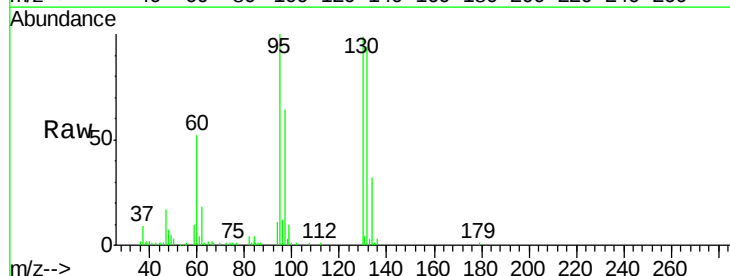
RT: 9.09 min Scan# 1178

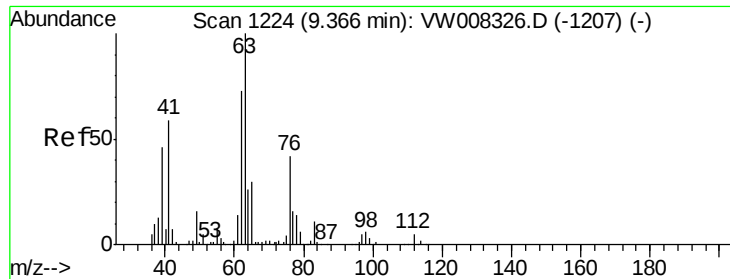
Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	130	Resp:	21010
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	184.8





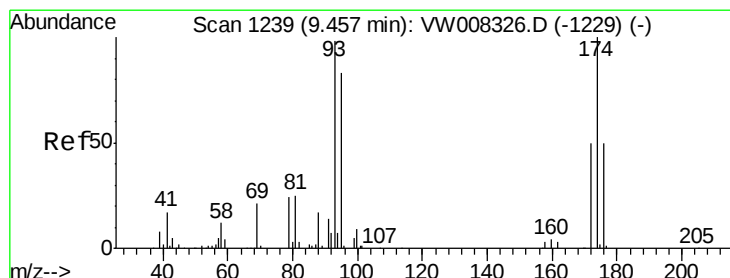
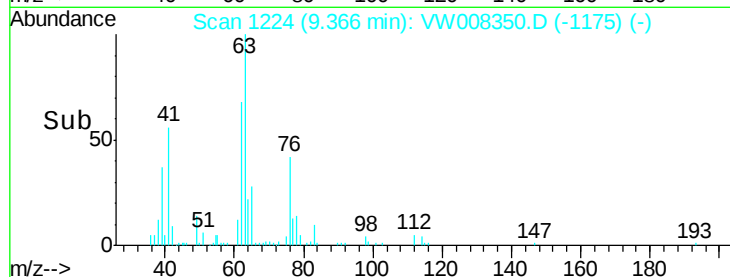
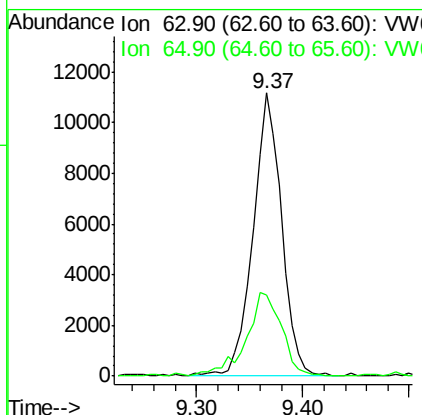
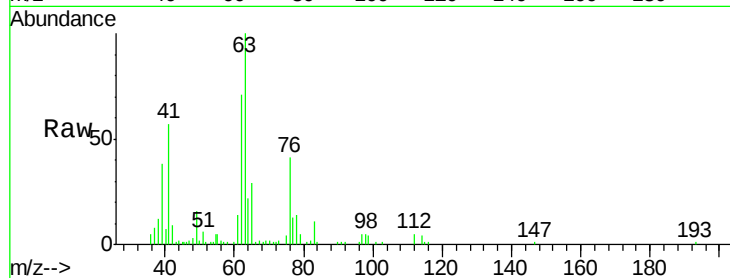
#45
 1,2-Dichloropropane
 Concen: 21.091 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW0118SBS01

Tot Ion: 63 Resp: 21069
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.9 35.9

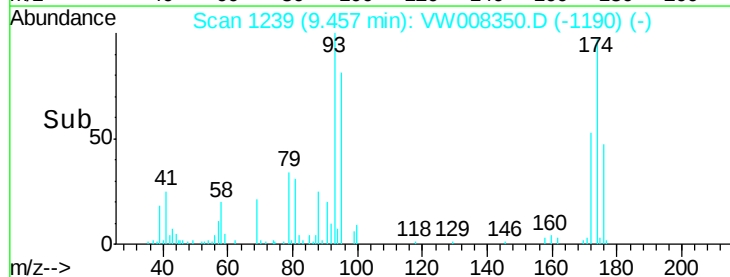
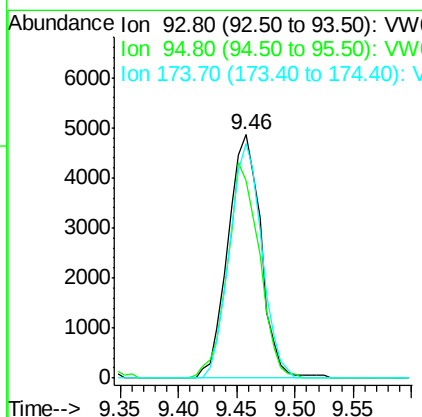
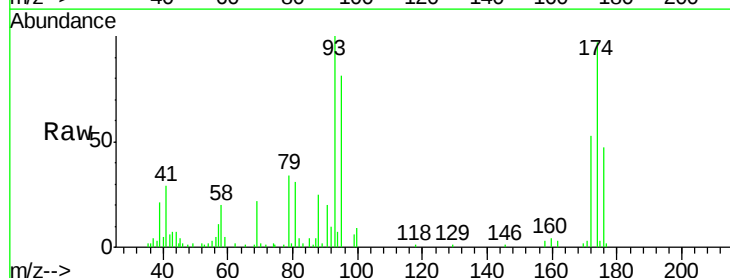
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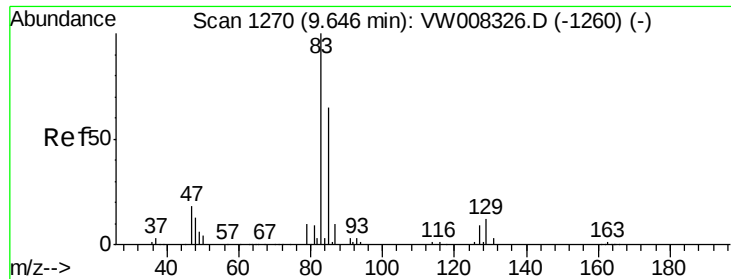
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#46
 Dibromomethane
 Concen: 18.495 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Tgt Ion: 93 Resp: 9629
 Ion Ratio Lower Upper
 93 100
 95 85.4 67.8 101.8
 174 94.0 84.4 126.6





#47

Bromodichloromethane

Concen: 20.502 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

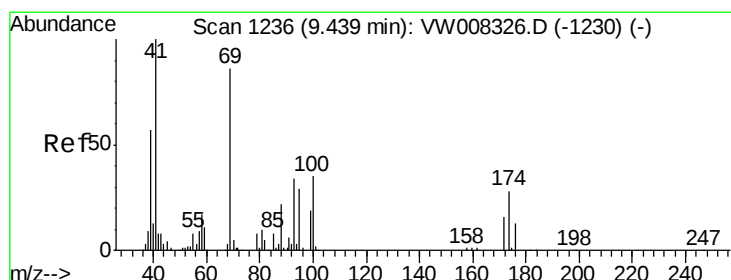
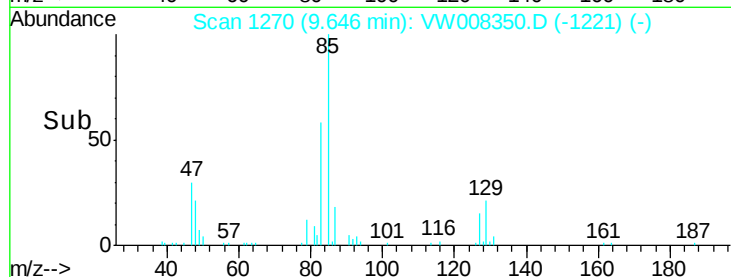
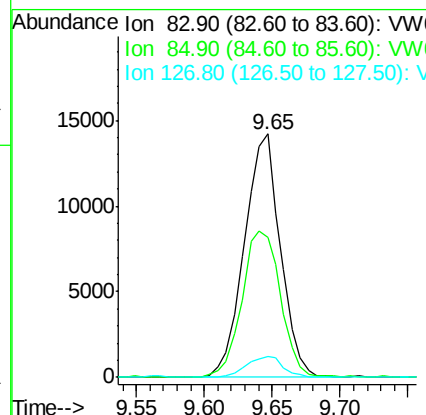
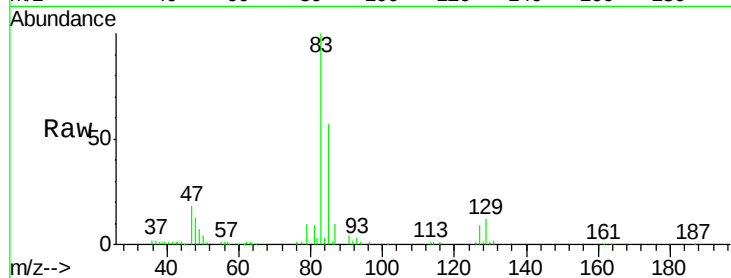
ClientSampleId :

VW0118SBS01

Tot Ion:	83	Resp:	26330
Ion	Ratio	Lower	Upper
83	100		
85	57.3	51.6	77.4
127	8.7	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.012 ug/l

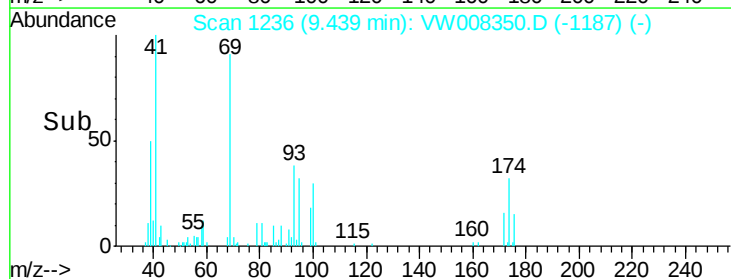
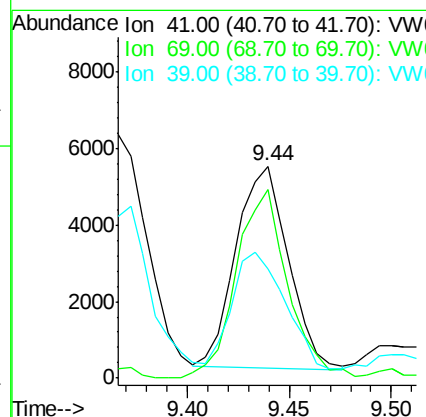
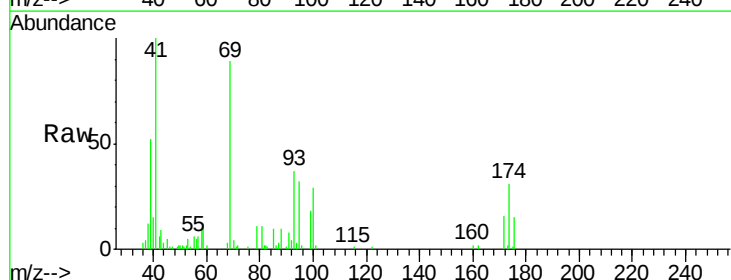
RT: 9.44 min Scan# 1236

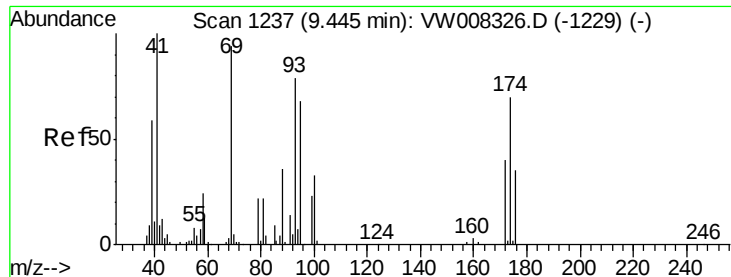
Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	41	Resp:	9377
Ion	Ratio	Lower	Upper
41	100		
69	92.7	68.2	102.4
39	58.5	46.0	69.0





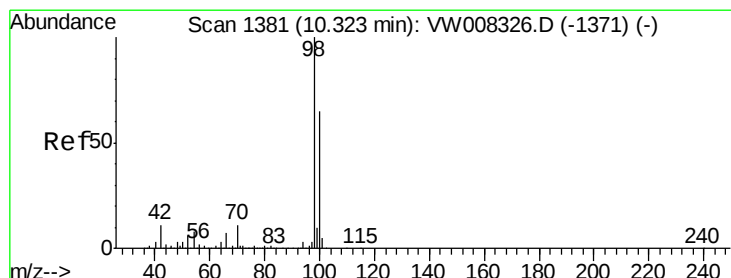
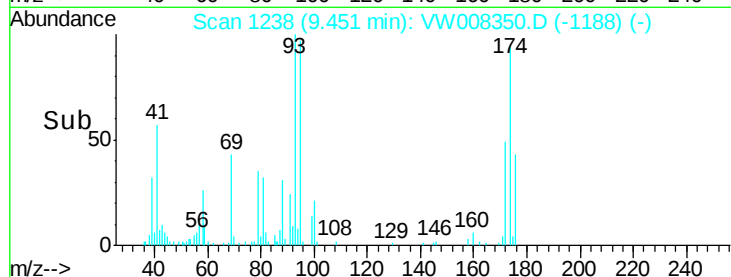
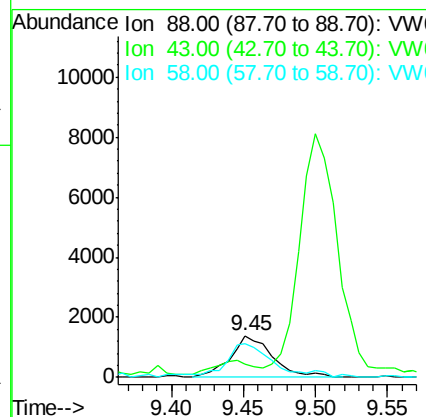
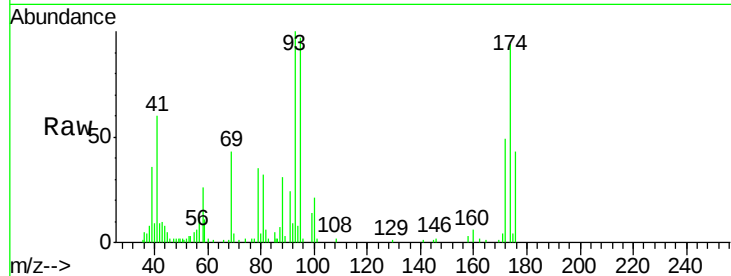
#49
1,4-Dioxane
Concen: 340.400 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	27.1	40.7
58	94.7	57.9	86.9#

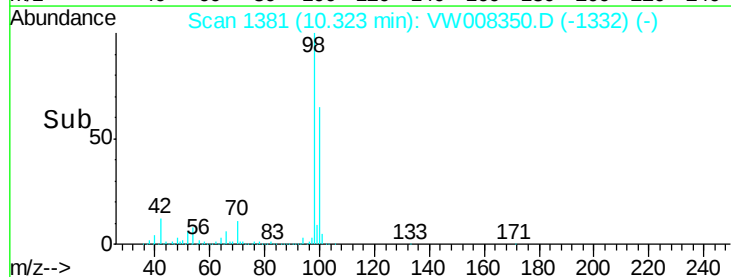
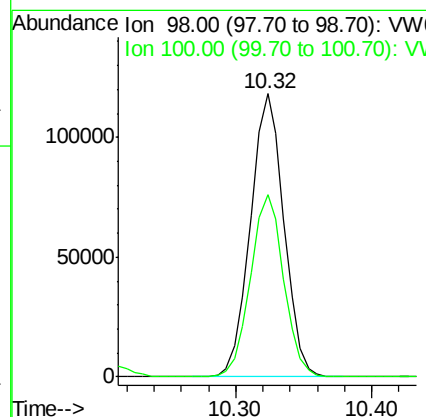
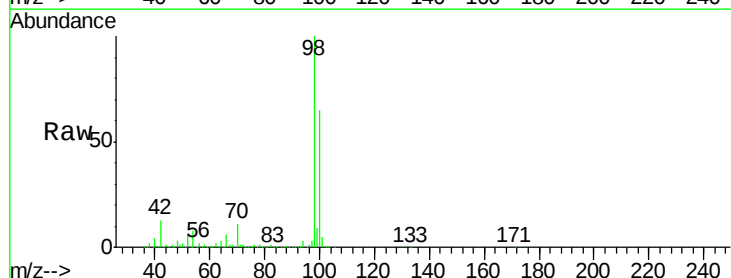
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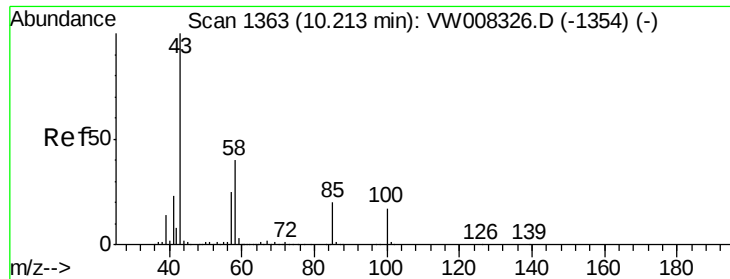
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#50
Toluene-d8
Concen: 57.579 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8





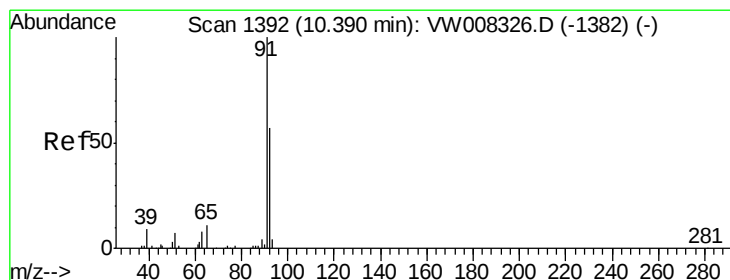
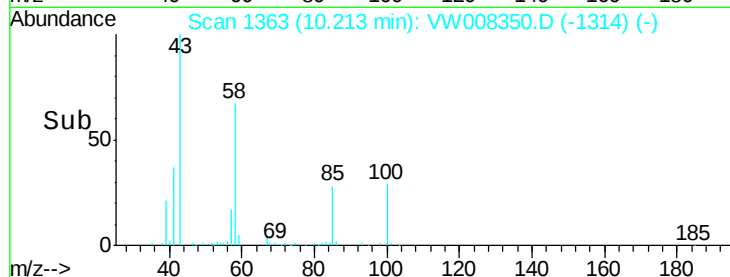
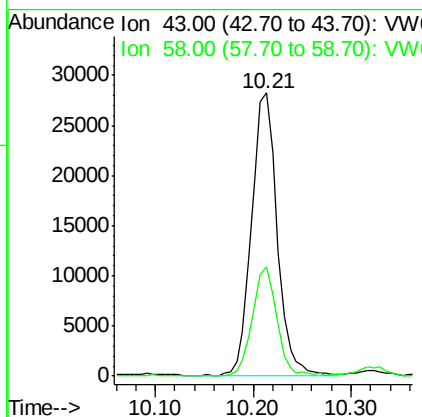
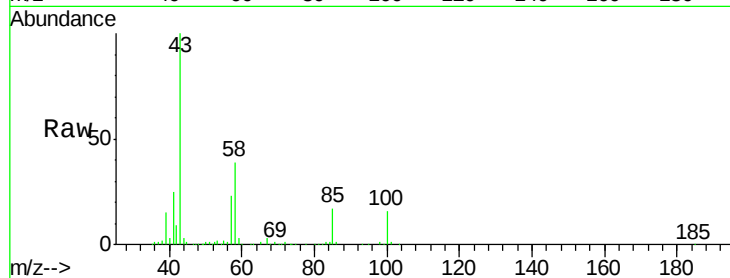
#51
4-Methyl-2-Pentanone
Concen: 92.736 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion: 43 Resp: 51929
Ion Ratio Lower Upper
43 100
58 37.4 31.4 47.0

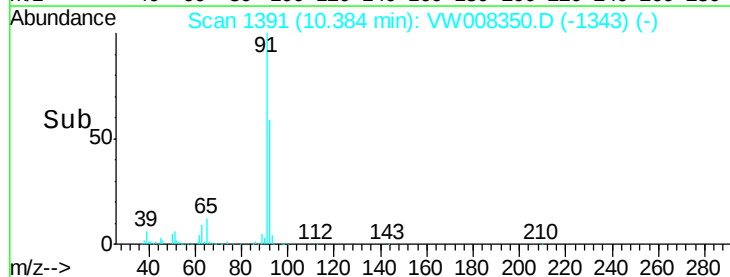
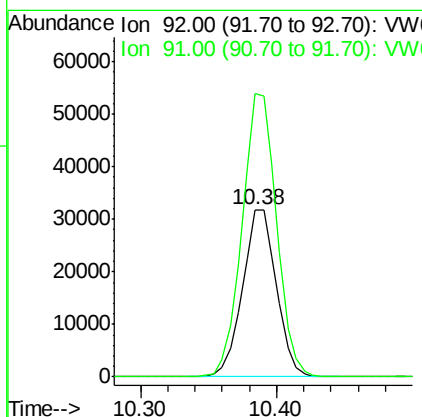
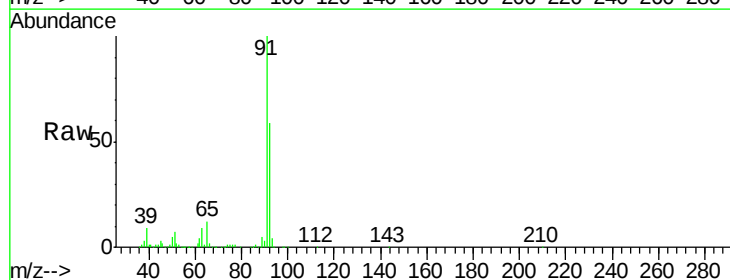
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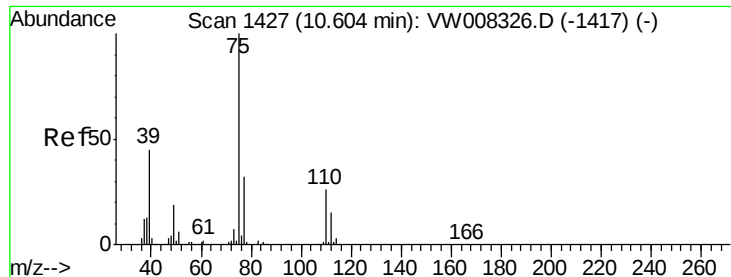
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#52
Toluene
Concen: 21.780 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion: 92 Resp: 55430
Ion Ratio Lower Upper
92 100
91 172.3 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 19.958 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion: 75 Resp: 25582

Ion Ratio Lower Upper

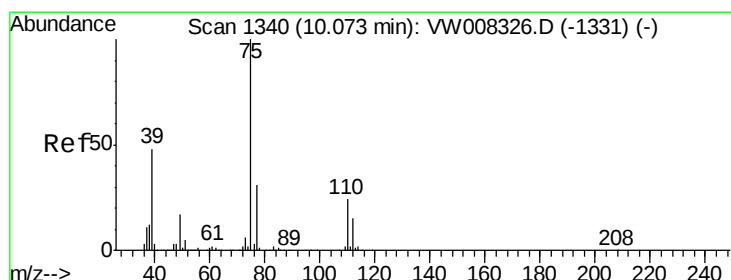
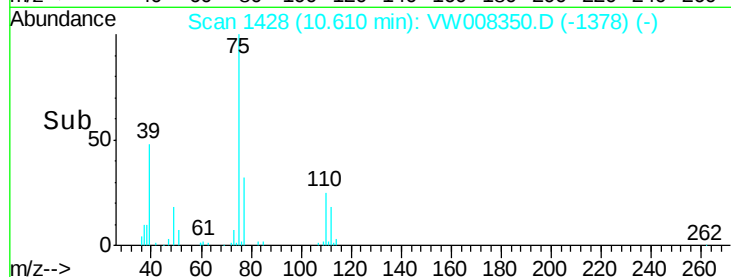
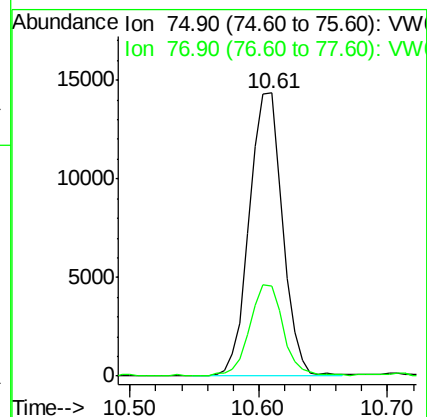
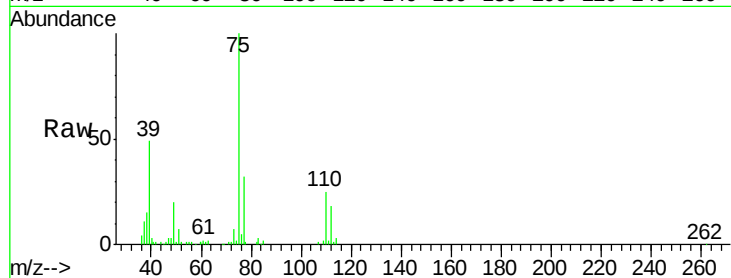
75 100

77 31.8 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 20.631 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

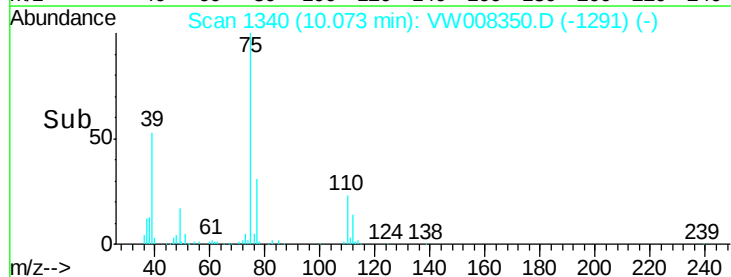
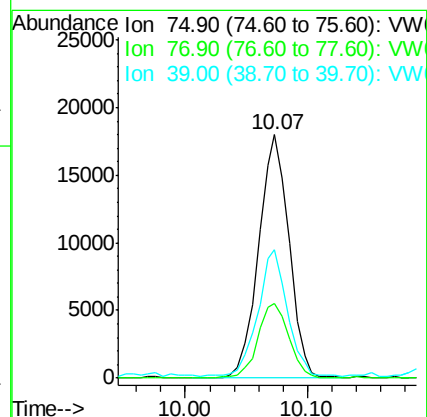
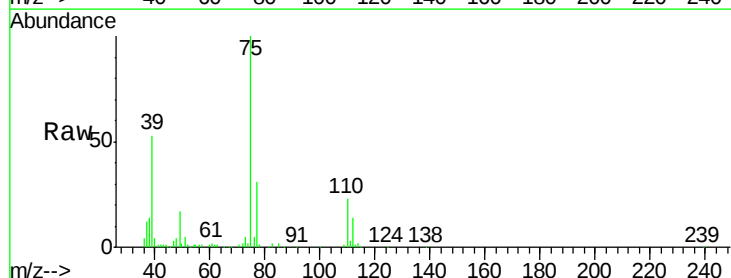
Tgt Ion: 75 Resp: 31173

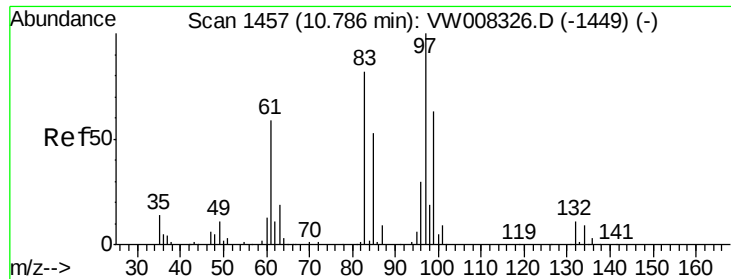
Ion Ratio Lower Upper

75 100

77 30.7 24.4 36.6

39 52.1 38.6 57.8





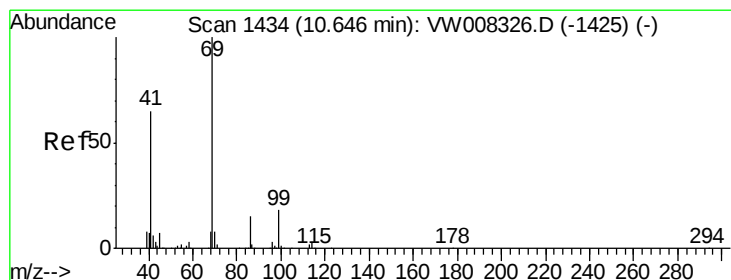
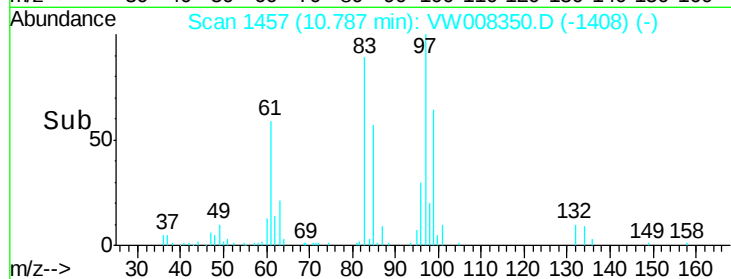
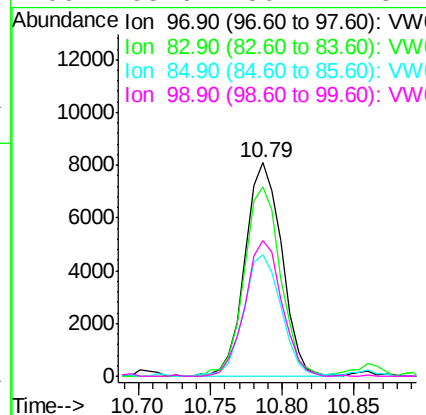
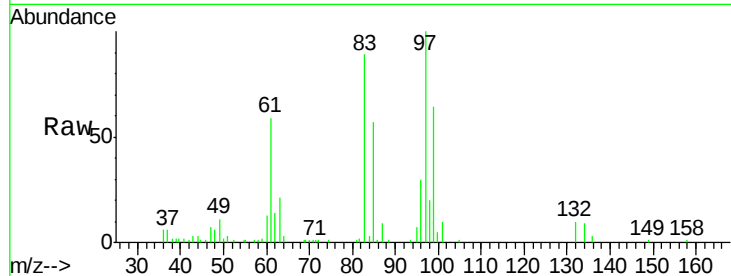
#55
 1,1,2-Trichloroethane
 Concen: 19.863 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

Tot Ion:	97	Resp:	14344
Ion	Ratio	Lower	Upper
97	100		
83	88.9	65.3	97.9
85	57.0	42.6	64.0
99	63.6	50.2	75.2

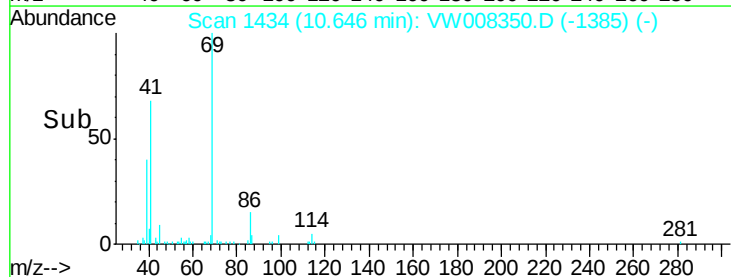
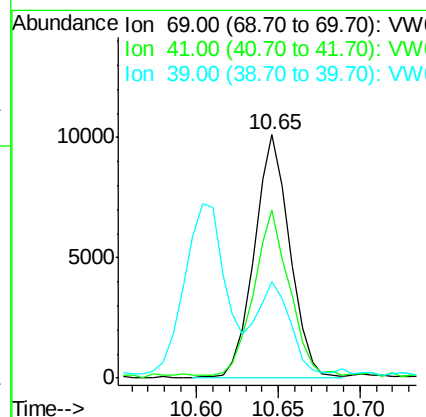
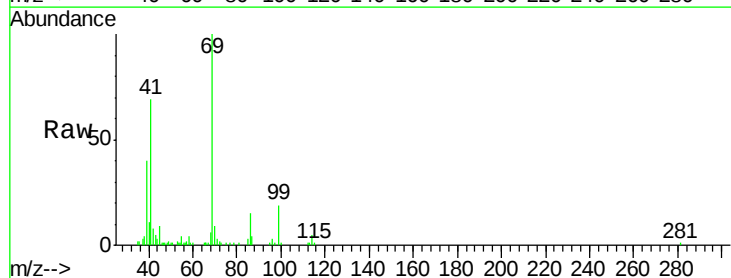
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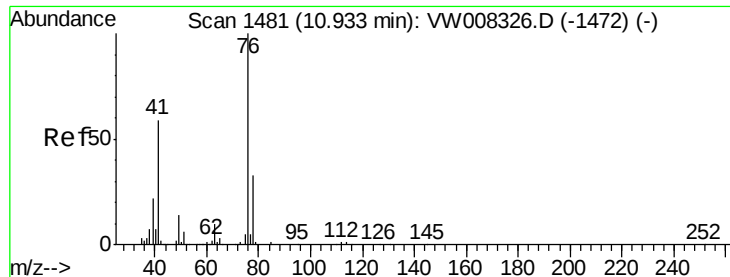
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#56
 Ethyl methacrylate
 Concen: 18.086 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Tgt Ion:	69	Resp:	15338
Ion	Ratio	Lower	Upper
69	100		
41	67.9	52.9	79.3
39	35.3	28.4	42.6





#57

1,3-Dichloropropane

Concen: 19.833 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion: 76 Resp: 24868

Ion Ratio Lower Upper

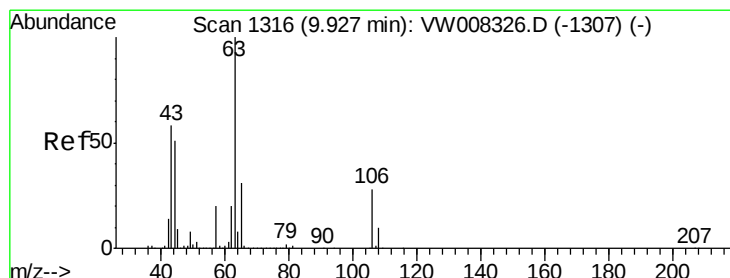
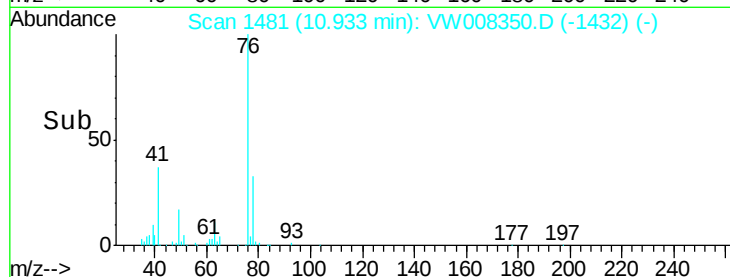
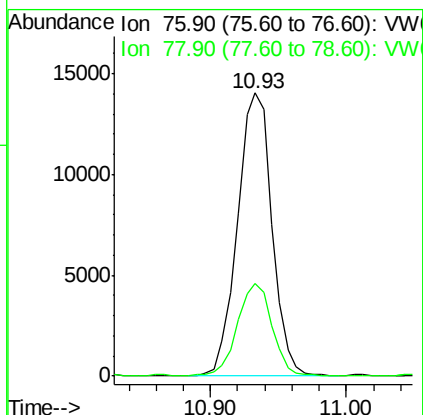
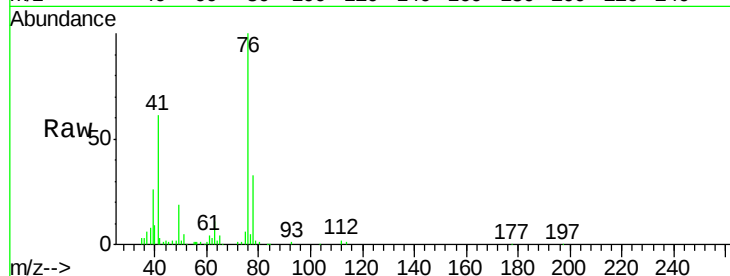
76 100

78 33.0 26.1 39.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 97.791 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008350.D

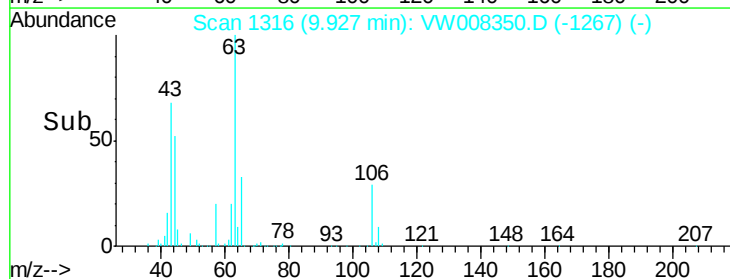
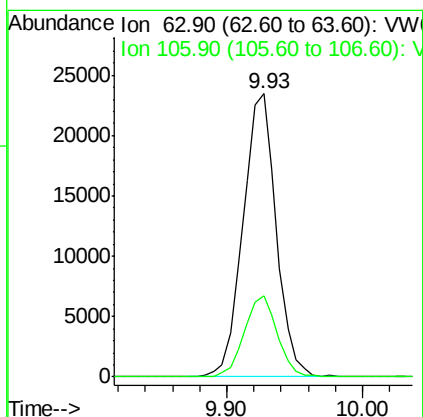
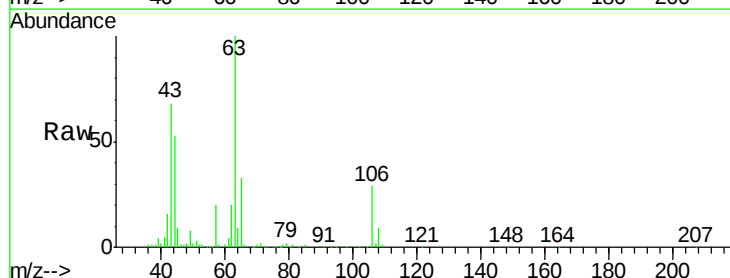
Acq: 18 Jan 2019 12:35

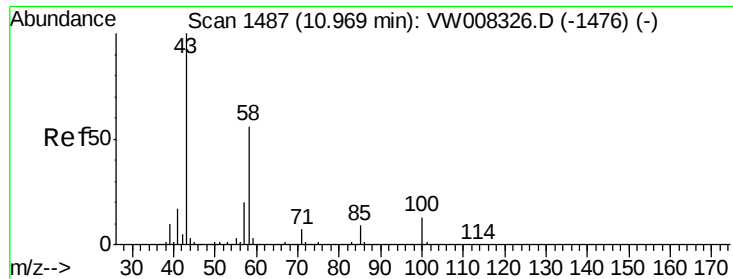
Tgt Ion: 63 Resp: 40004

Ion Ratio Lower Upper

63 100

106 28.4 22.9 34.3





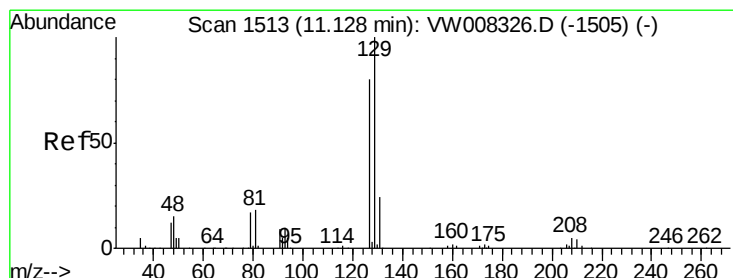
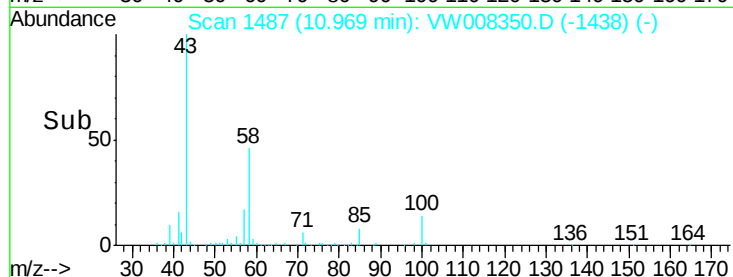
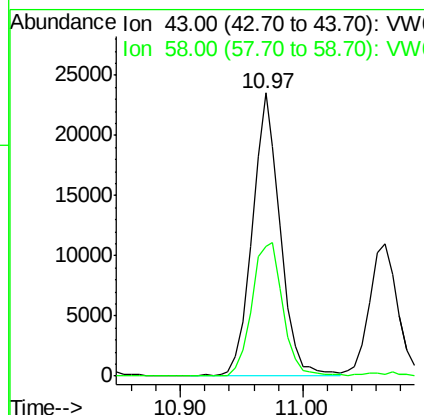
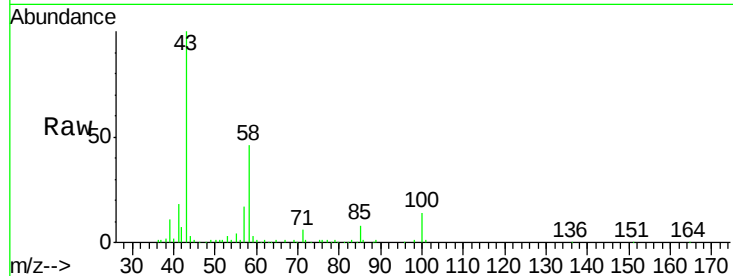
#59
2-Hexanone
Concen: 95.227 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion: 43 Resp: 37362
Ion Ratio Lower Upper
43 100
58 52.4 27.5 82.5

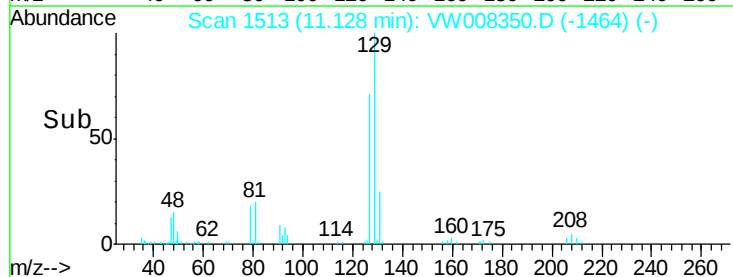
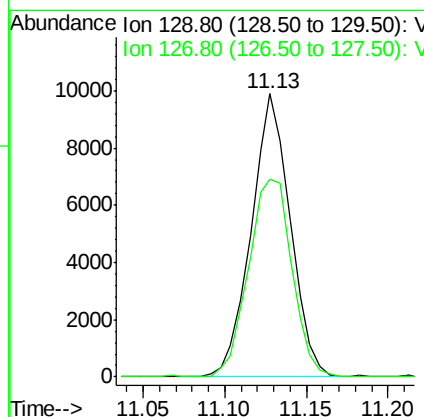
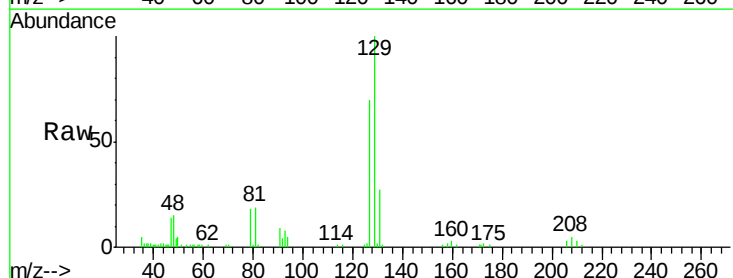
Manual Integrations
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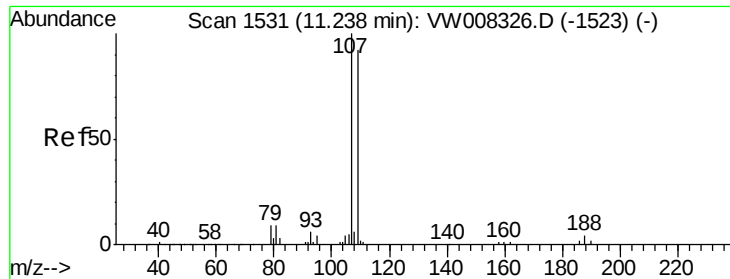
MMDadoda
1/21/2019 11:09:40 AM



#60
Dibromochloromethane
Concen: 19.099 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion: 129 Resp: 16460
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





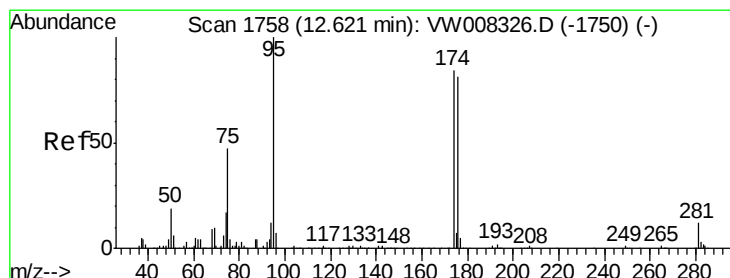
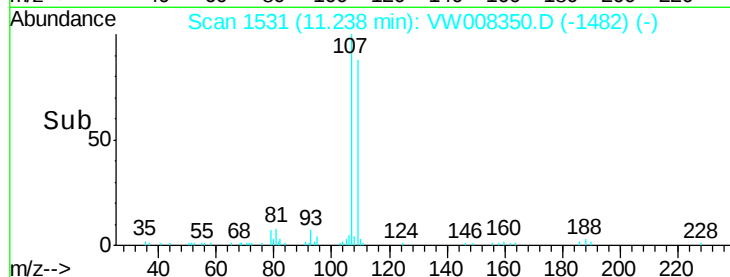
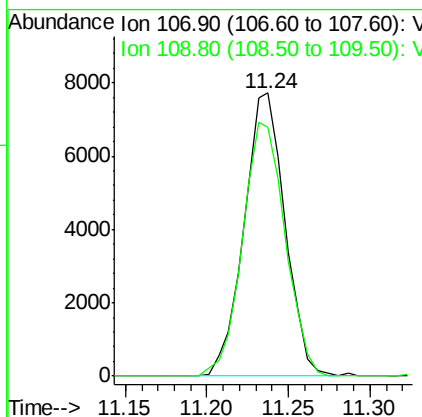
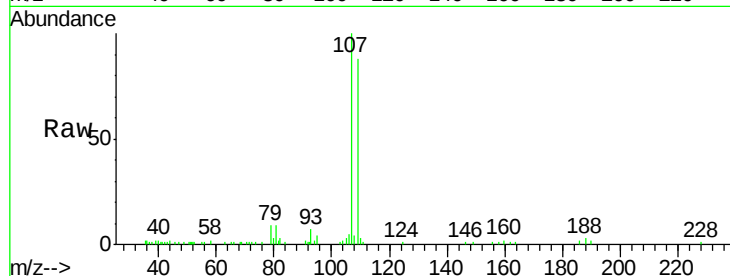
#61
 1,2-Dibromoethane
 Concen: 19.296 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

Tot Ion: 107 Resp: 13493
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.0 111.0

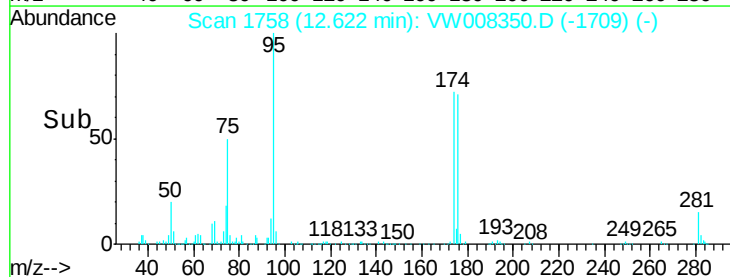
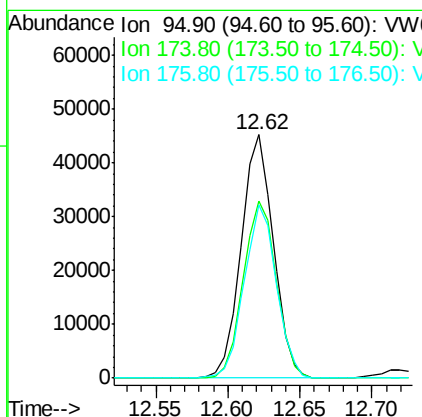
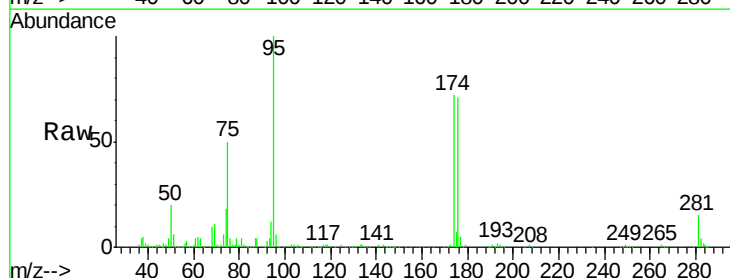
Manual Integrations
 APPROVED

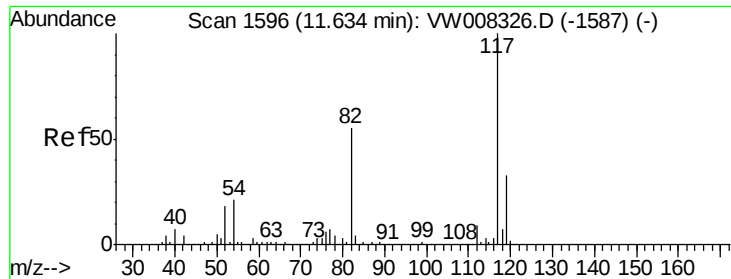
MMDadoda
 1/21/2019 11:09:40 AM



#62
 4-Bromofluorobenzene
 Concen: 55.202 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Tgt Ion: 95 Resp: 70059
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 166.0
 176 70.9 0.0 160.0





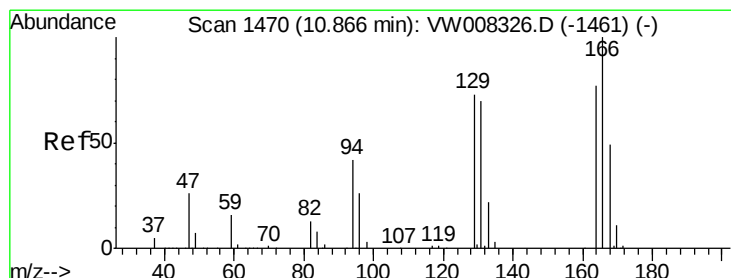
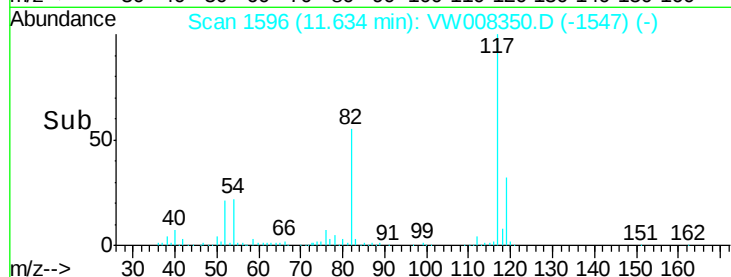
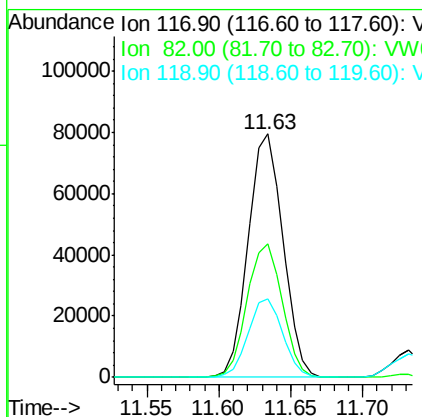
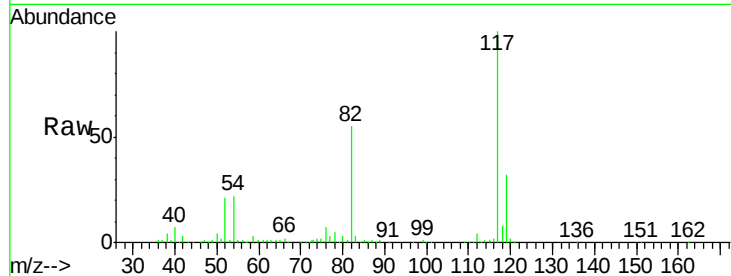
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.3	66.5
119	32.4	26.3	39.5

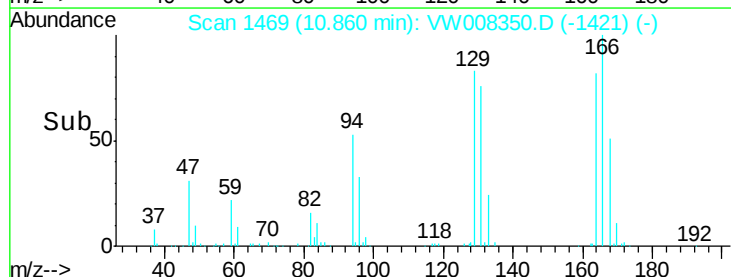
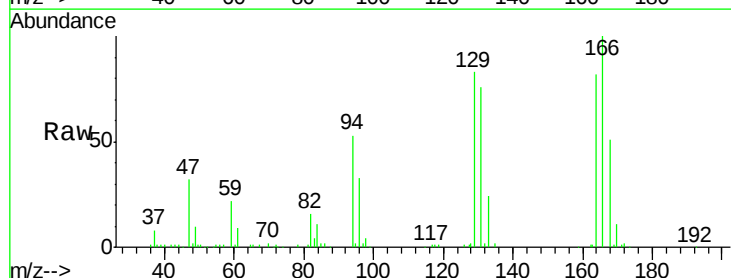
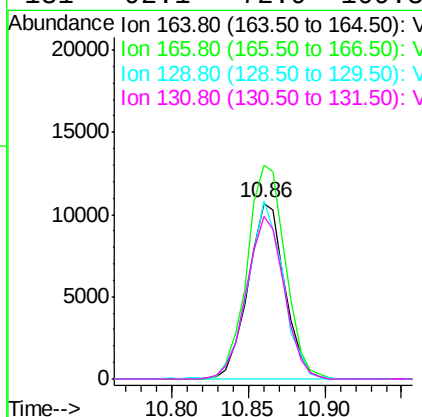
Manual Integrations
APPROVED

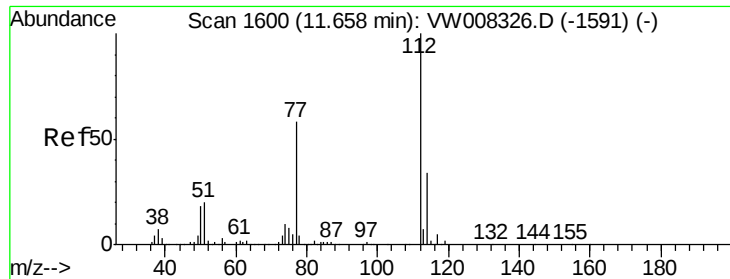
MMDadoda
1/21/2019 11:09:40 AM



#64
Tetrachloroethene
Concen: 19.039 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.4	103.4	155.2
129	101.1	75.0	112.6
131	92.1	72.9	109.3





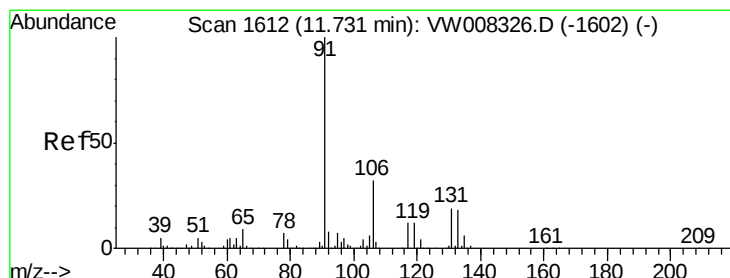
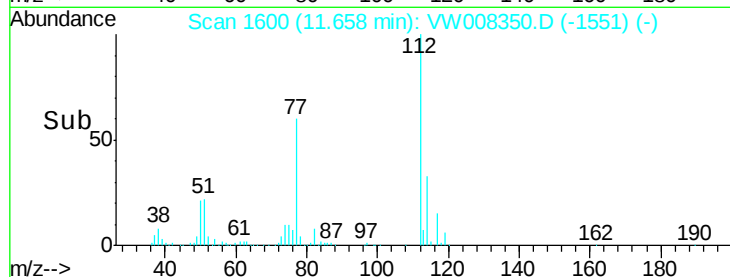
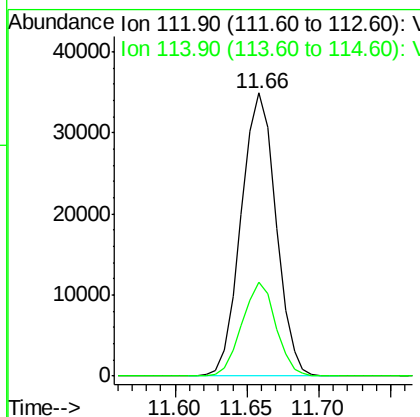
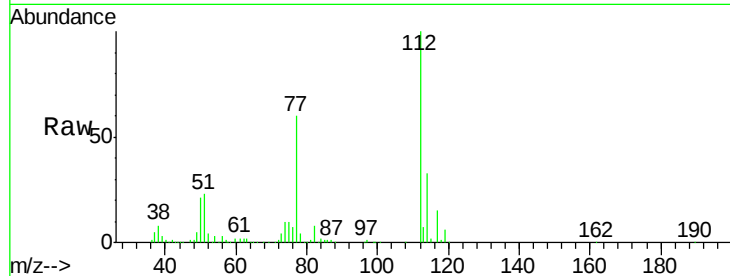
#65
Chlorobenzene
Concen: 20.279 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion:112 Resp: 58649
Ion Ratio Lower Upper
112 100
114 33.3 26.9 40.3

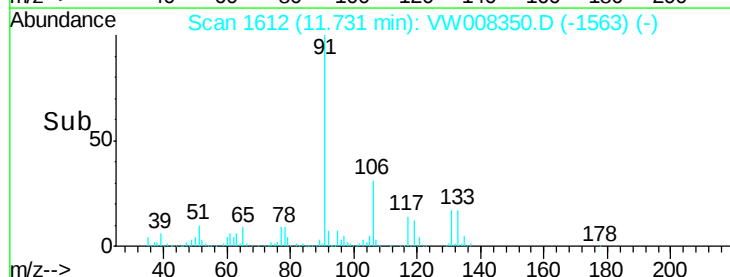
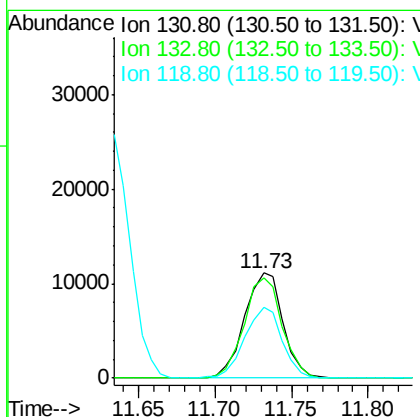
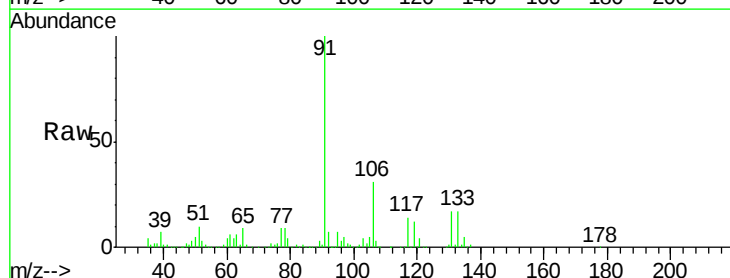
Manual Integrations
APPROVED

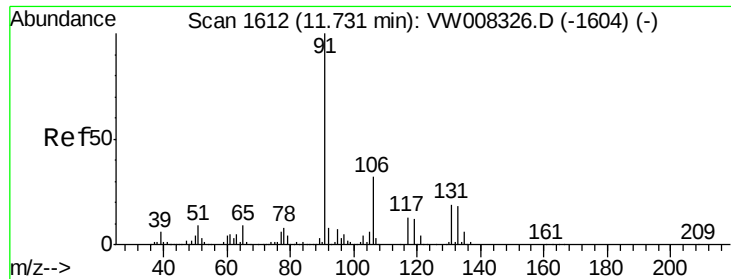
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.502 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion:131 Resp: 19412
Ion Ratio Lower Upper
131 100
133 94.6 48.2 144.6
119 66.0 31.6 94.7





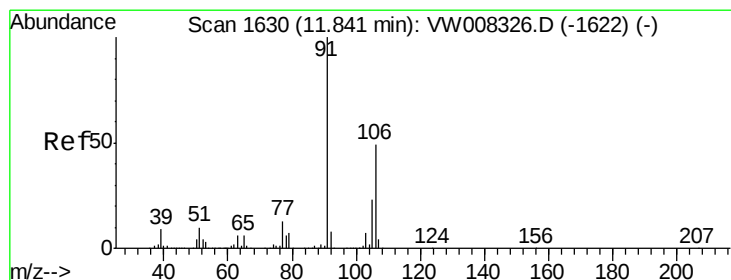
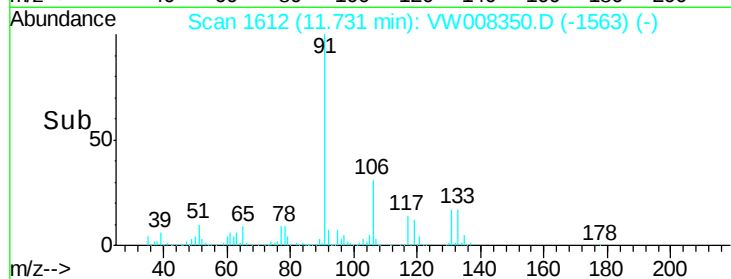
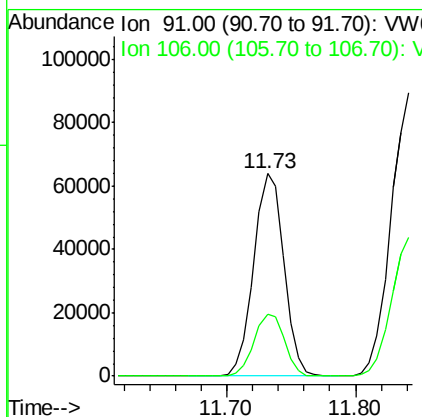
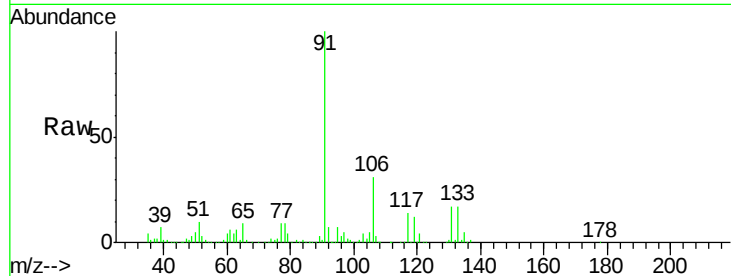
#67
Ethyl Benzene
Concen: 20.643 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion: 91 Resp: 103659
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2

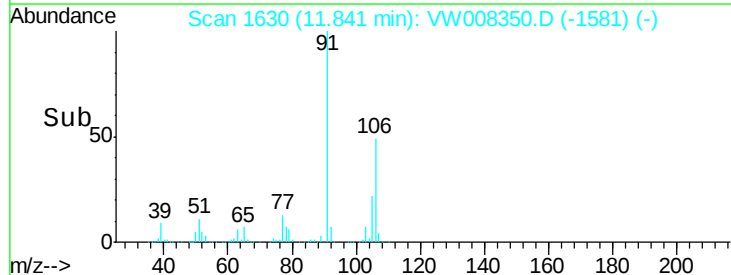
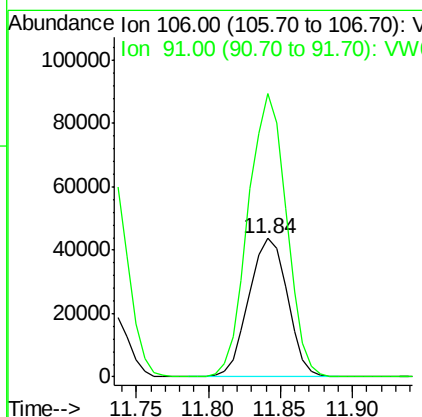
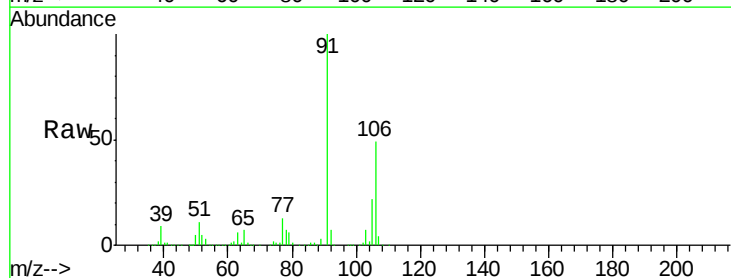
Manual Integrations
APPROVED

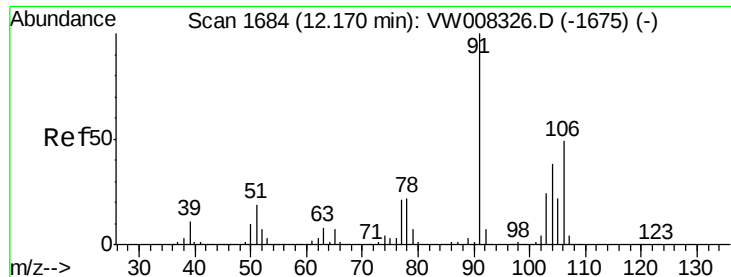
MMDadoda
1/21/2019 11:09:40 AM



#68
m/p-Xylenes
Concen: 41.863 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion: 106 Resp: 81595
Ion Ratio Lower Upper
106 100
91 201.5 158.4 237.6





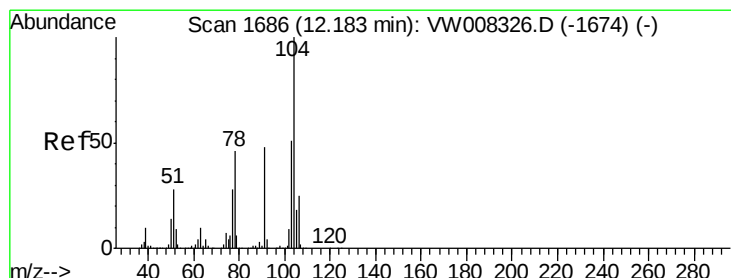
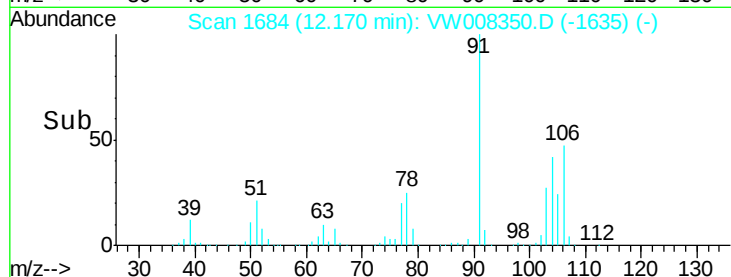
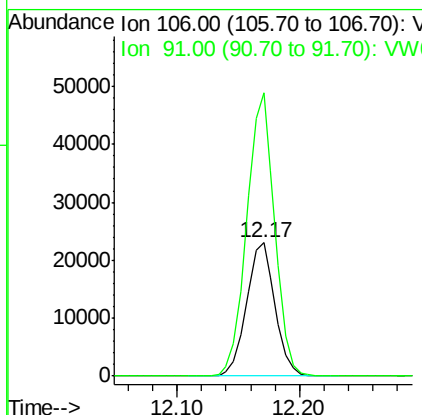
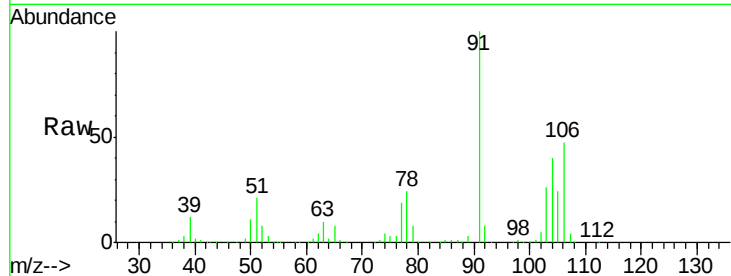
#69
o-Xylene
Concen: 20.416 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampled :
VW0118SBS01

Tot Ion:106 Resp: 37177
Ion Ratio Lower Upper
106 100
91 207.9 104.1 312.3

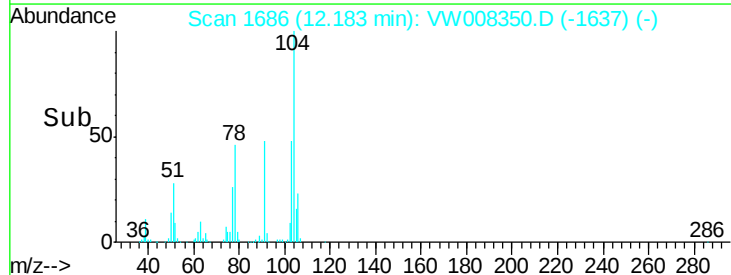
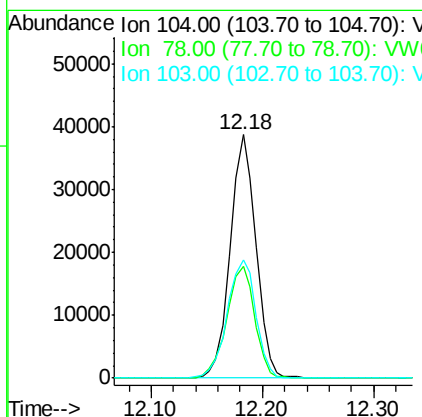
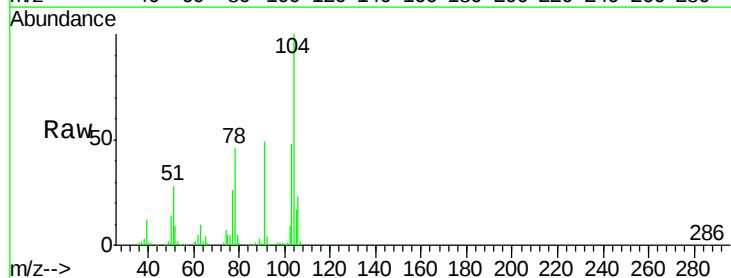
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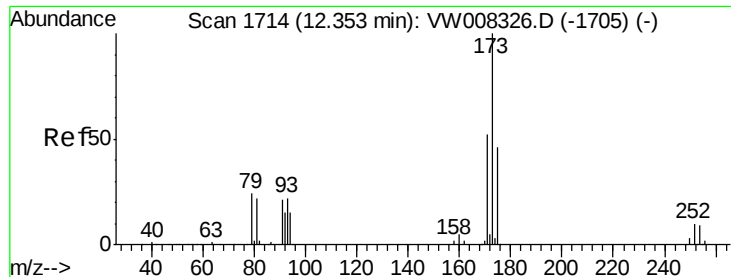
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#70
Styrene
Concen: 21.182 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion:104 Resp: 61955
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.6
103 54.0 44.0 66.0





#71

Bromoform

Concen: 18.368 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

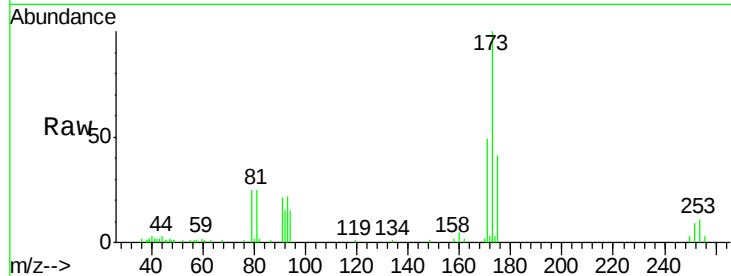
ClientSampleId :

VW0118SBS01

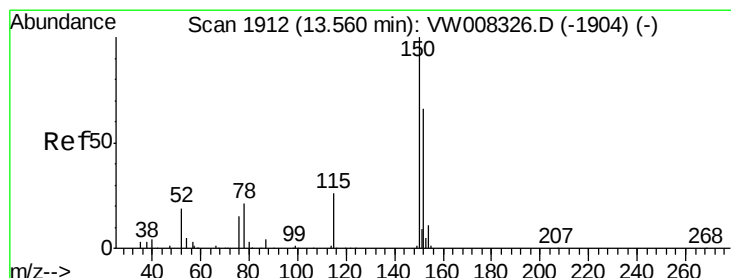
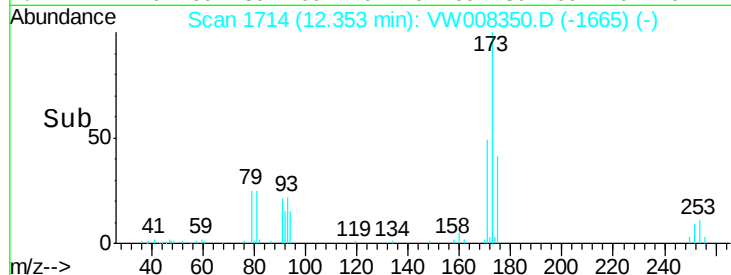
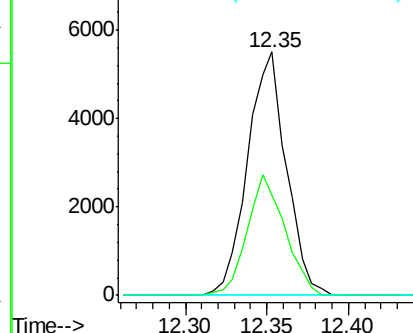
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.6	70.8
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

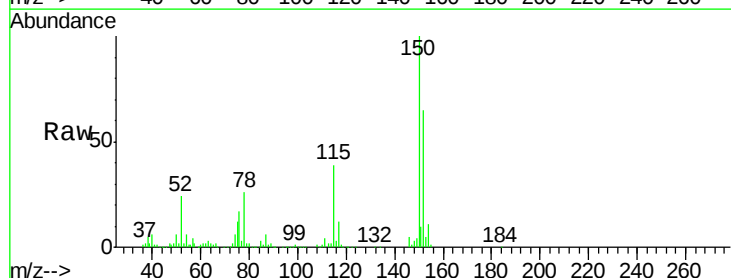
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

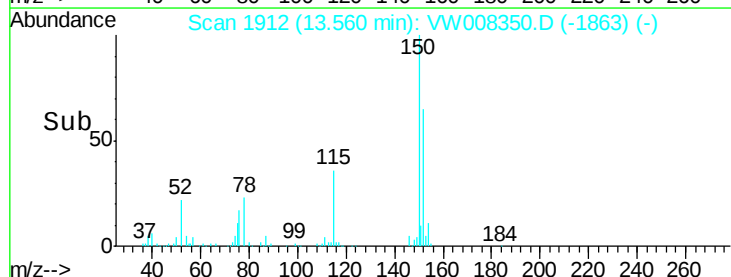
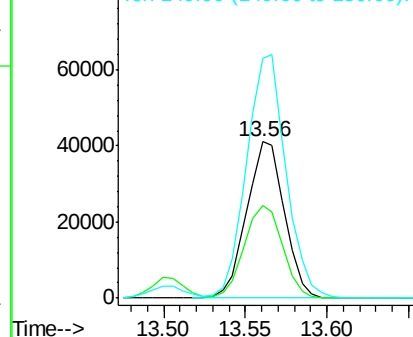
Lab File: VW008350.D

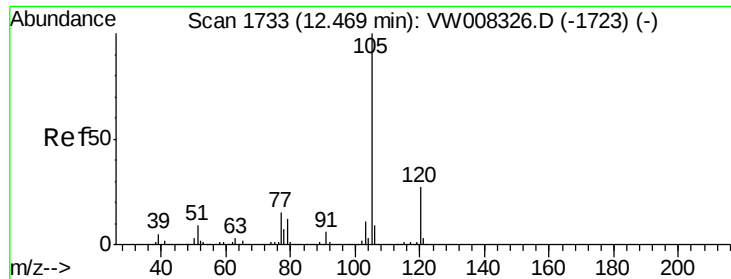
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	28.8	86.4
150	162.5	0.0	351.4



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





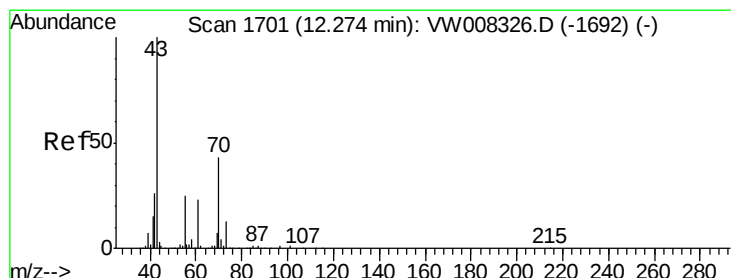
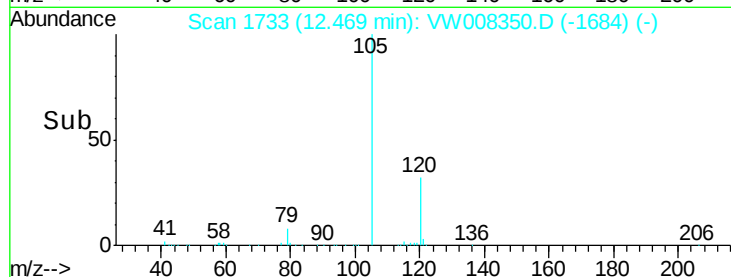
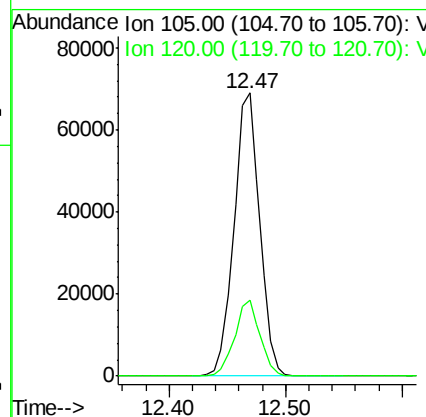
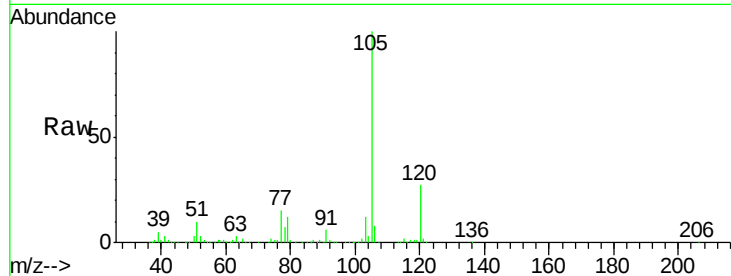
#73
Isopropylbenzene
Concen: 21.885 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.6	40.8

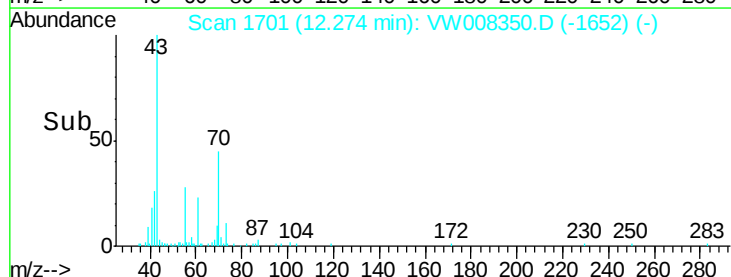
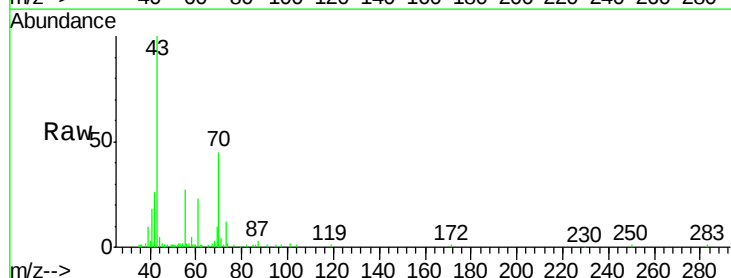
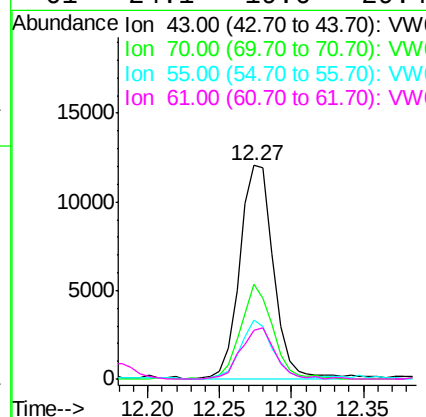
Manual Integrations
APPROVED

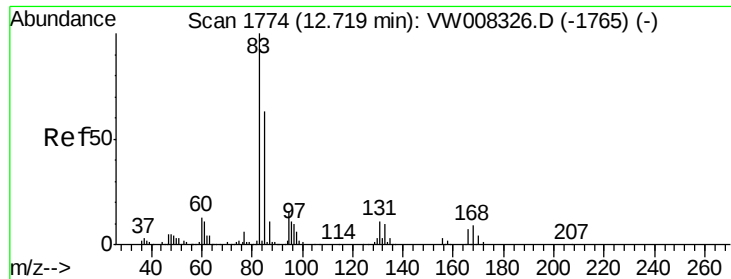
MMDadoda
1/21/2019 11:09:40 AM



#74
N-ethyl acetate
Concen: 19.042 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	34.6	52.0
55	26.3	20.0	30.0
61	24.1	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.938 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

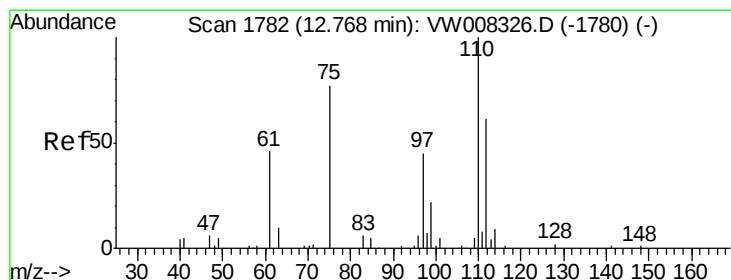
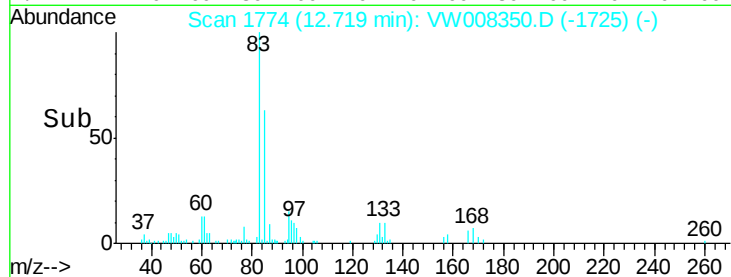
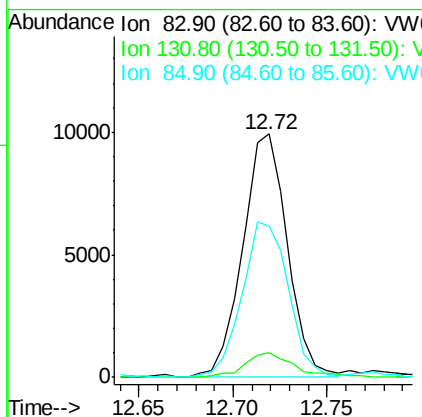
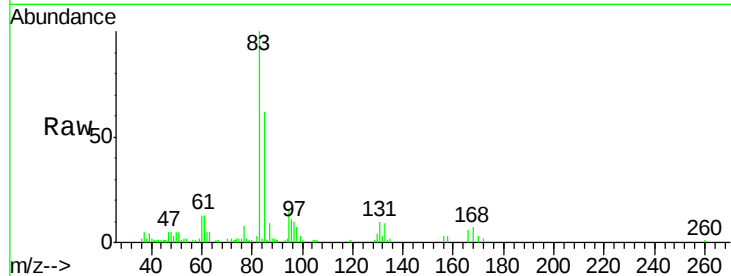
ClientSampleId :

VW0118SBS01

Tot Ion:	83	Resp:	16356
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.5
85	65.9	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.404 ug/l m

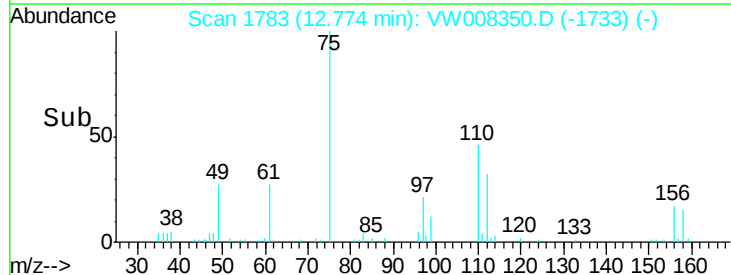
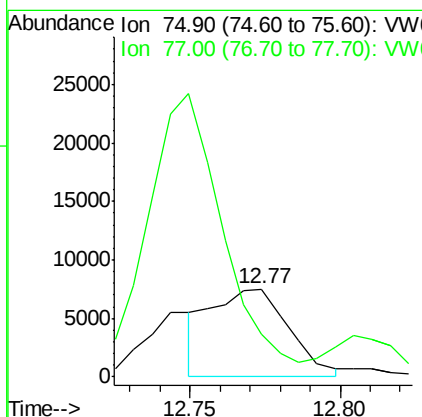
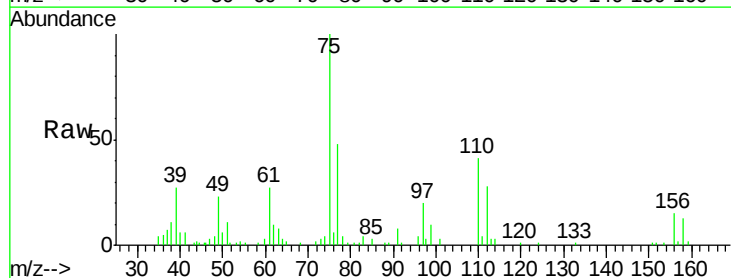
RT: 12.77 min Scan# 1783

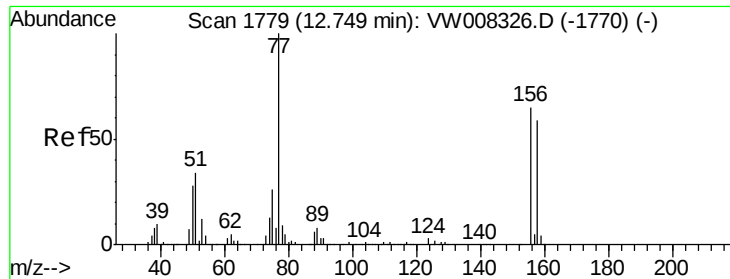
Delta R.T. 0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	75	Resp:	13505
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.3	526.1#





#77

Bromobenzene

Concen: 18.827 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion:156 Resp: 21811

Ion Ratio Lower Upper

156 100

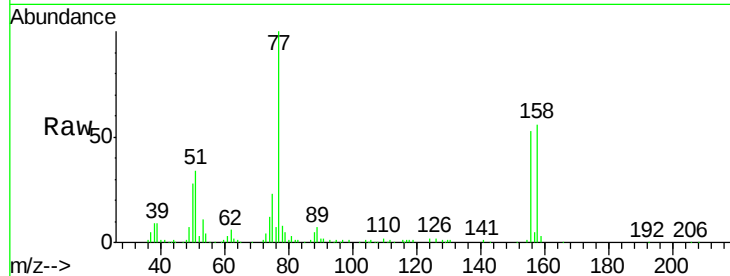
77 196.4 88.3 264.9

158 97.3 47.6 142.8

Manual Integrations
APPROVED

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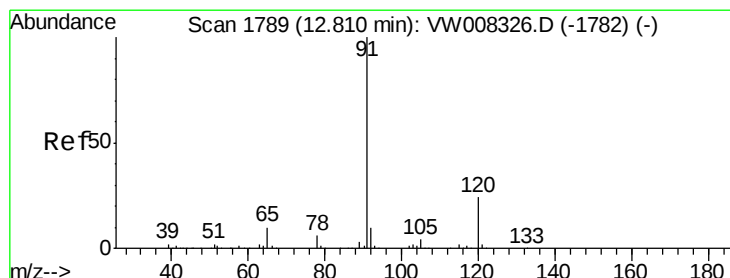
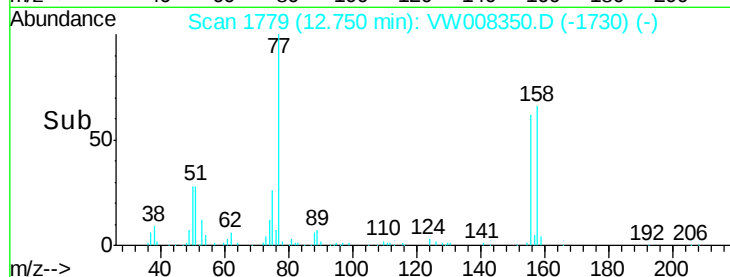
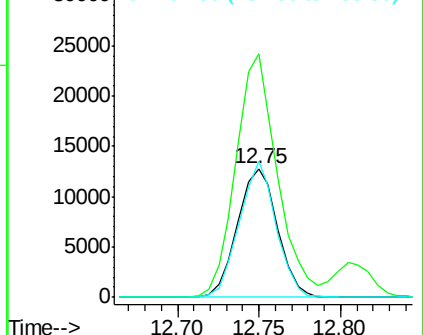
1/21/2019 11:09:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.332 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008350.D

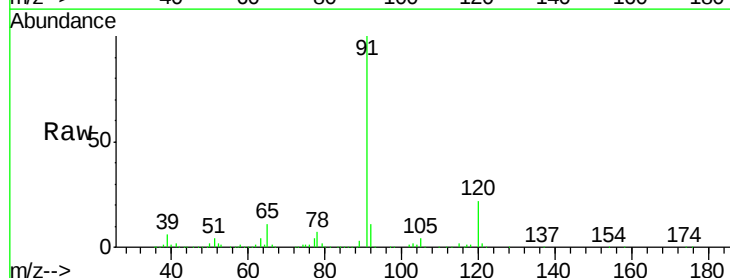
Acq: 18 Jan 2019 12:35

Tgt Ion: 91 Resp: 130365

Ion Ratio Lower Upper

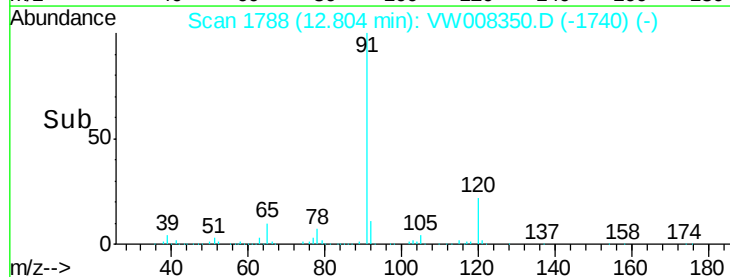
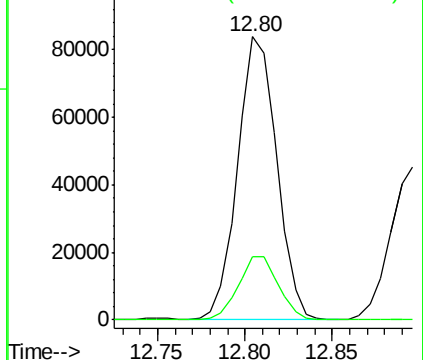
91 100

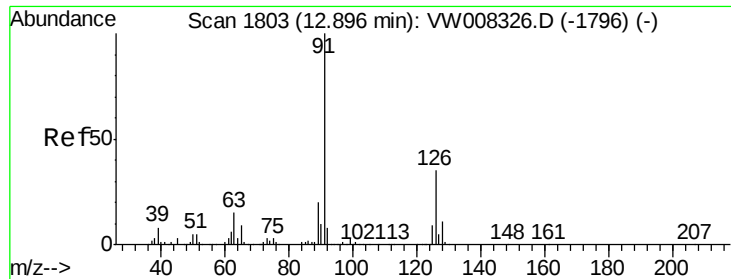
120 22.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





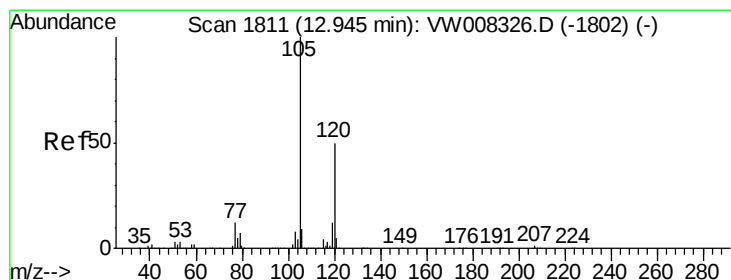
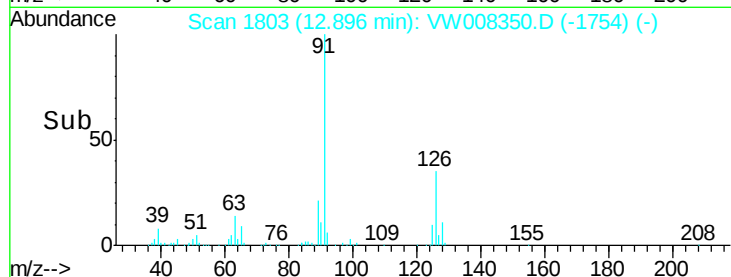
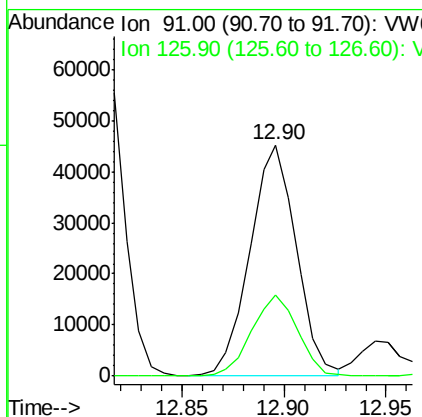
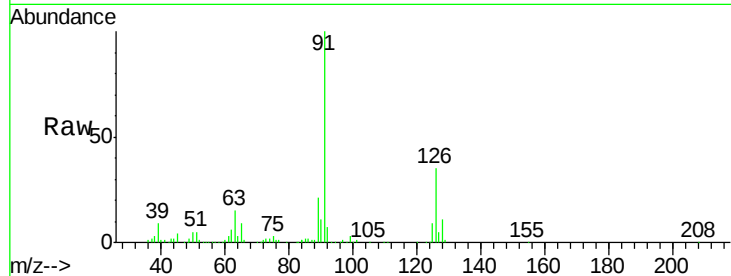
#79
2-Chlorotoluene
Concen: 21.410 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion: 91 Resp: 71411
Ion Ratio Lower Upper
91 100
126 34.9 17.5 52.6

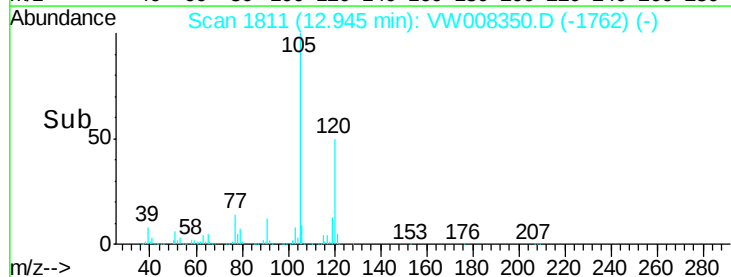
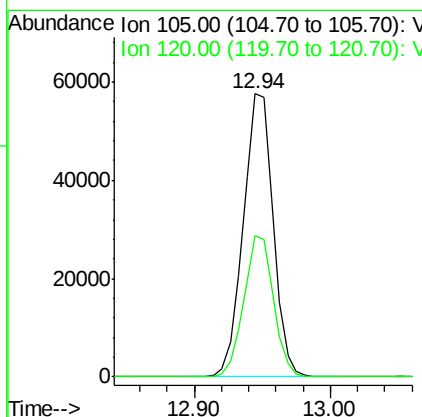
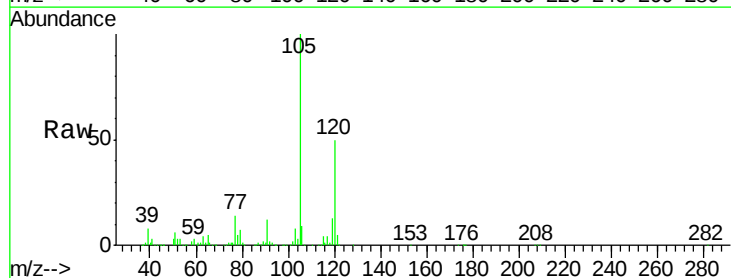
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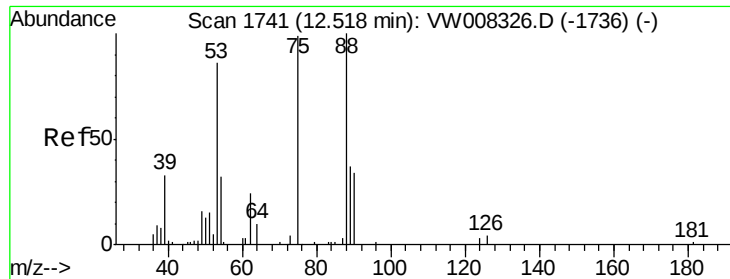
MMDadoda
1/21/2019 11:09:40 AM



#80
1,3,5-Trimethylbenzene
Concen: 22.040 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion: 105 Resp: 88703
Ion Ratio Lower Upper
105 100
120 49.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.098 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

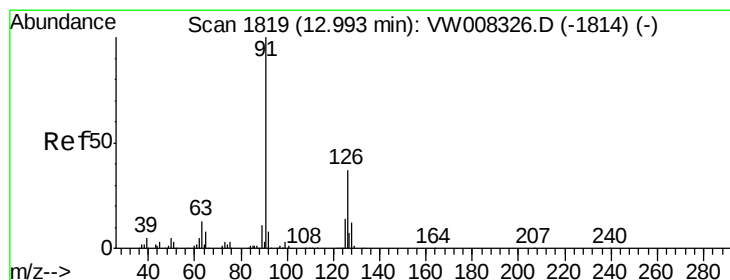
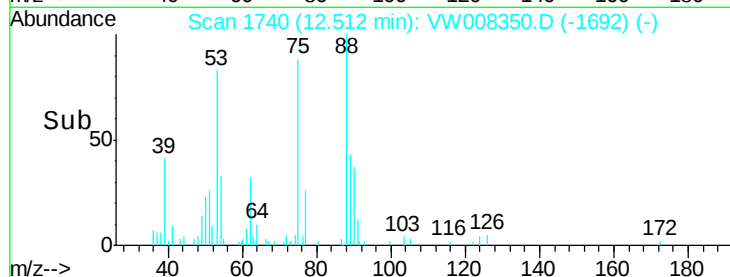
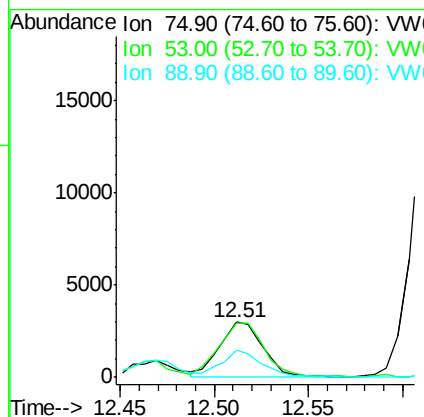
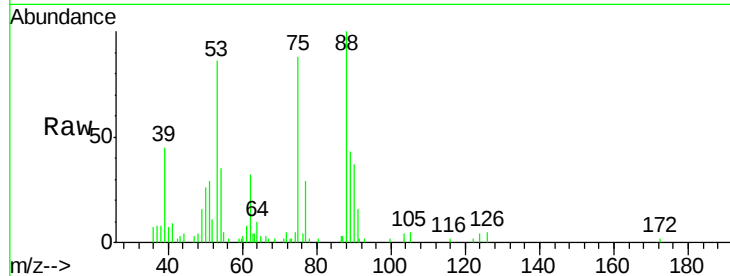
ClientSampleId :

VW0118SBS01

Tot Ion:	75	Resp:	4824
Ion	Ratio	Lower	Upper
75	100		
53	104.4	76.2	114.4
89	45.8	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.959 ug/l

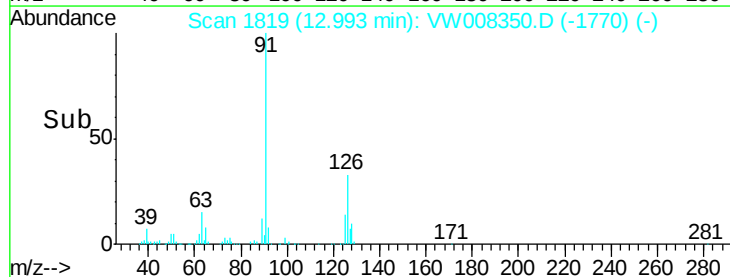
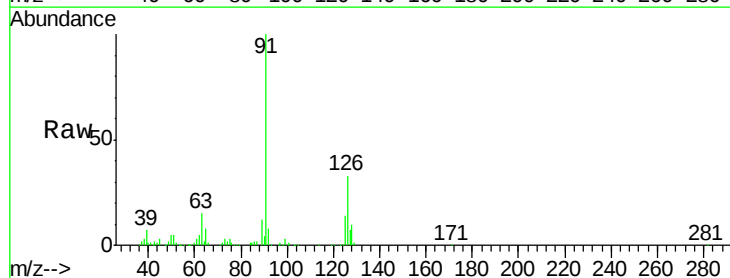
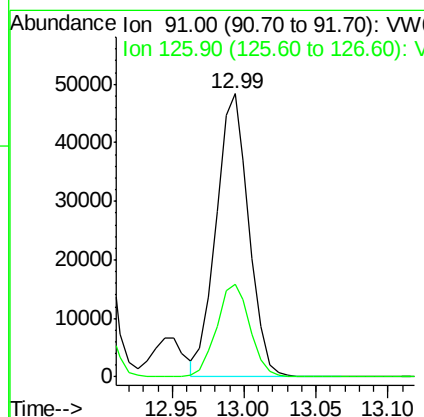
RT: 12.99 min Scan# 1819

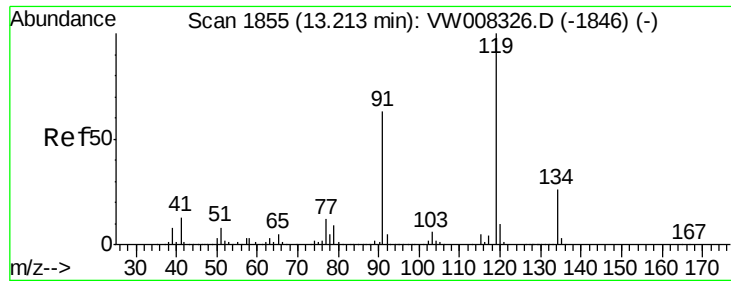
Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	91	Resp:	76536
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.8	53.3





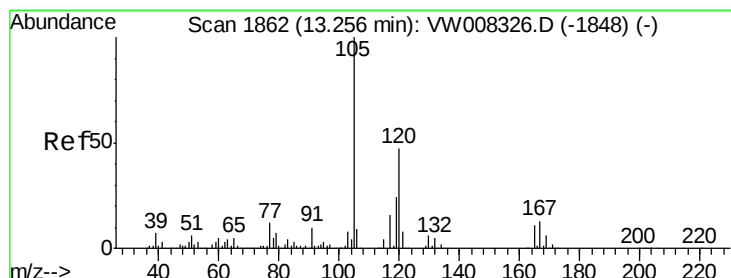
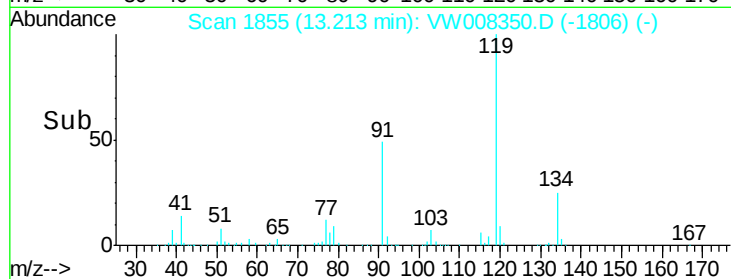
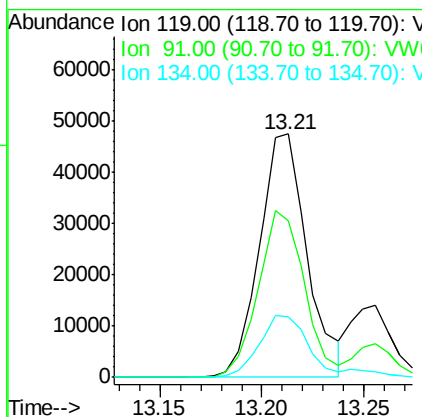
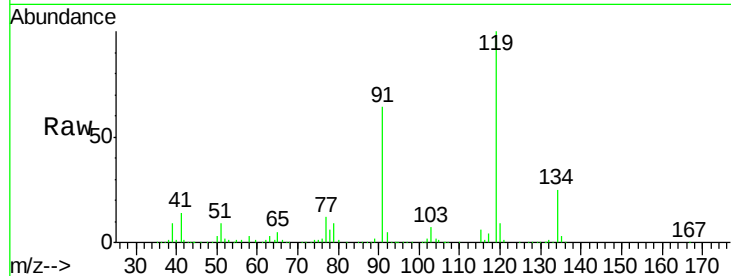
#83
tert-Butylbenzene
Concen: 21.838 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	32.4	97.0
134	28.2	13.9	41.7

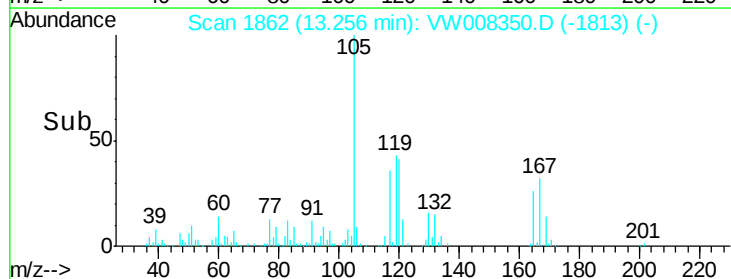
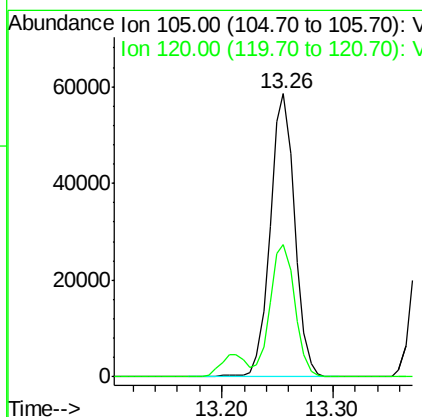
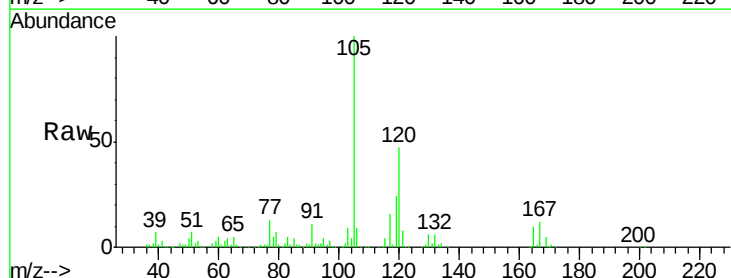
Manual Integrations
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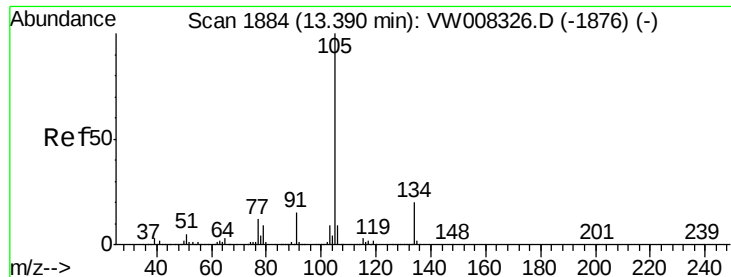
MMDadoda
1/21/2019 11:09:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.941 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.5	70.6





#85

sec-Butylbenzene

Concen: 22.223 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tot Ion:105 Resp: 113026

Ion Ratio Lower Upper

105 100

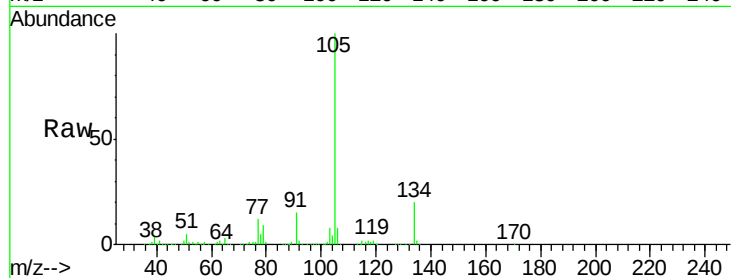
134 19.5 10.1 30.3

Manual Integrations

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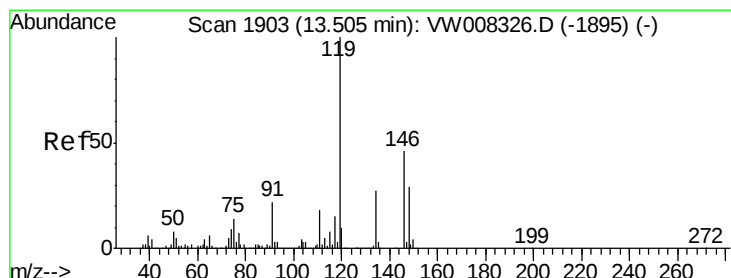
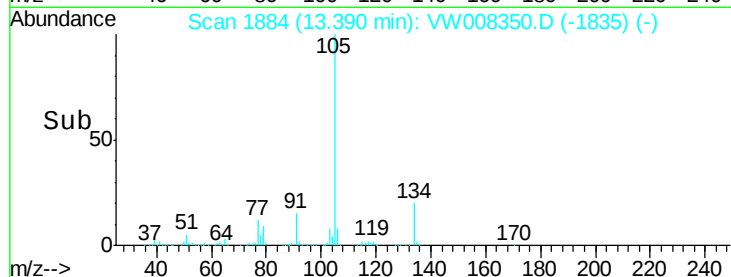
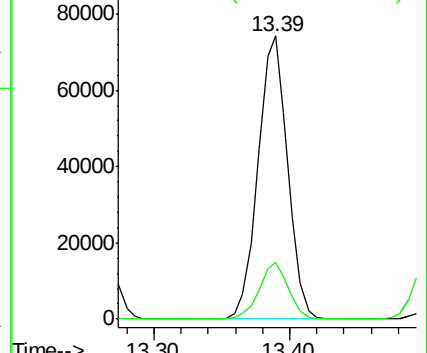
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.030 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

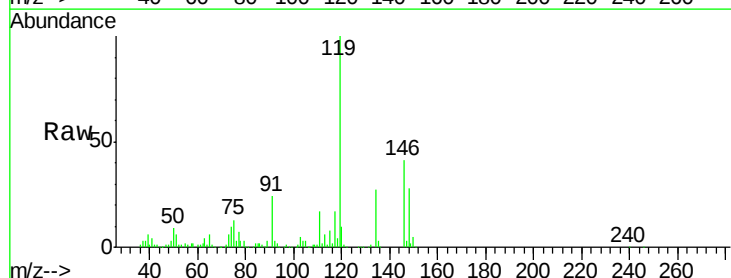
Tgt Ion:119 Resp: 97858

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

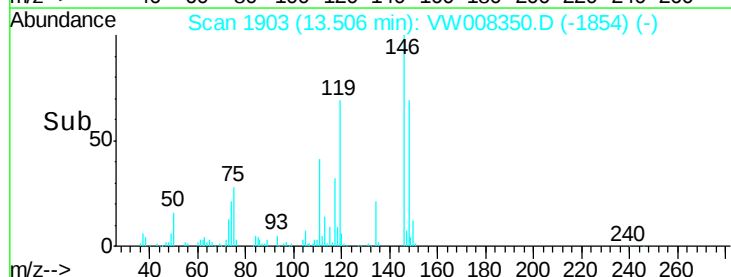
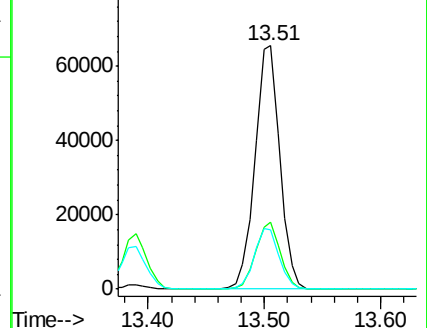
91 24.9 11.4 34.2

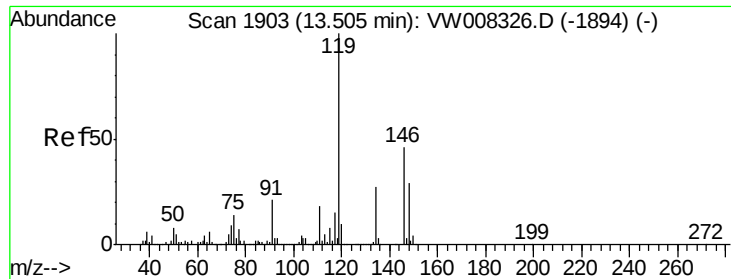


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.121 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

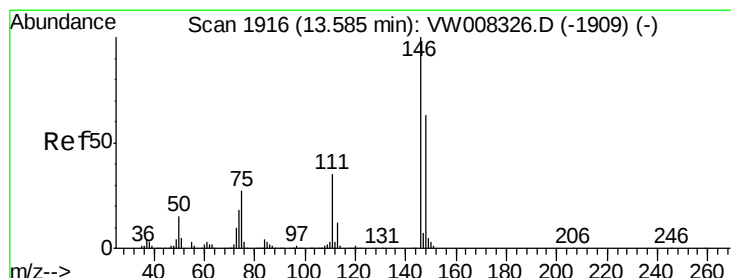
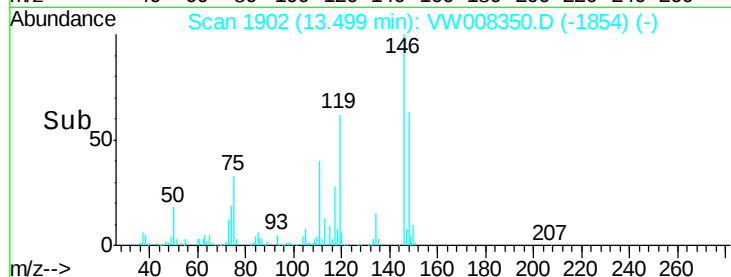
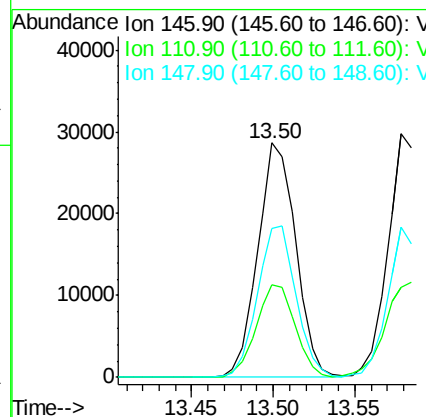
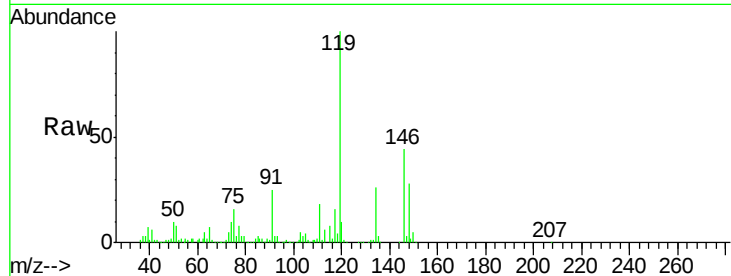
ClientSampleId :

VW0118SBS01

Tot Ion:	146	Resp:	46315
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.9	59.7
148	65.3	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.315 ug/l

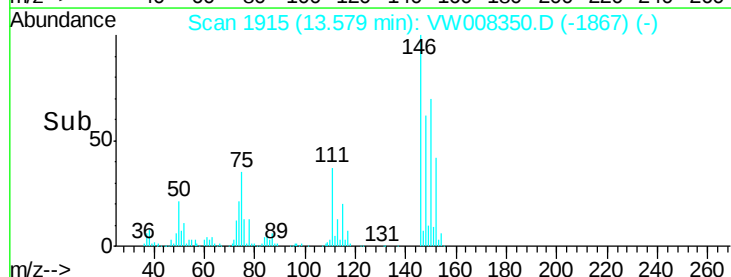
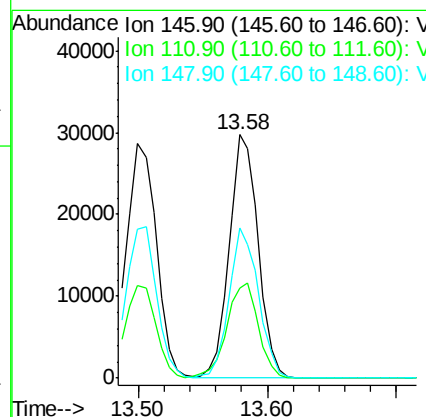
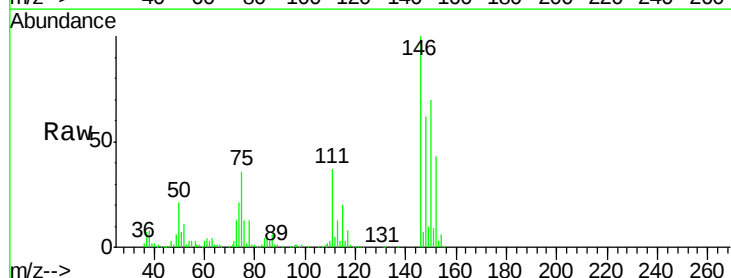
RT: 13.58 min Scan# 1915

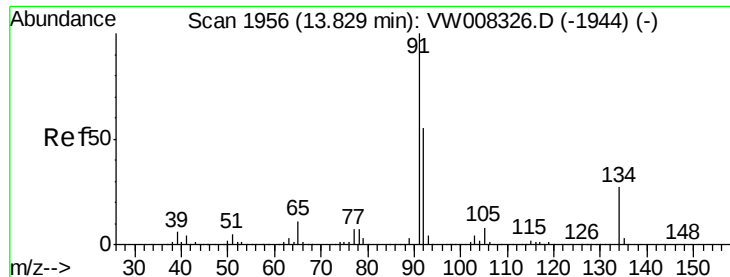
Delta R.T. -0.01 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	146	Resp:	46847
Ion Ratio	Lower	Upper	
146	100		
111	42.7	18.9	56.5
148	62.7	31.6	94.8





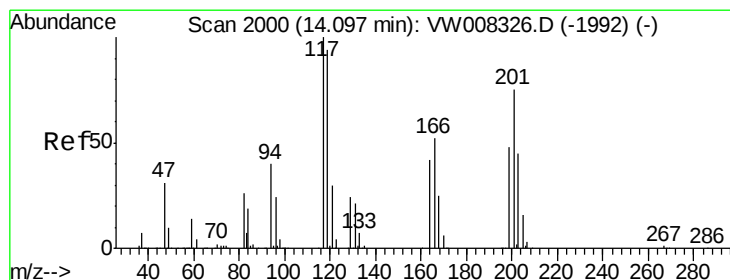
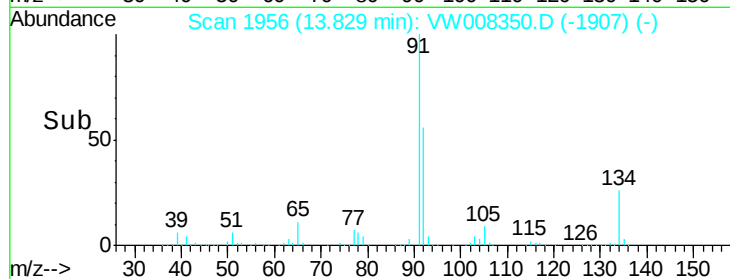
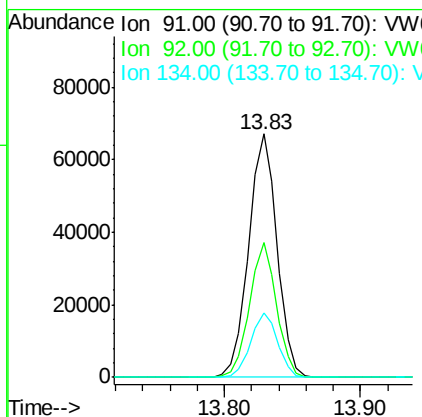
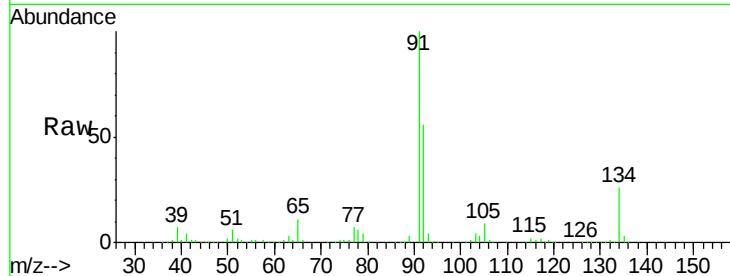
#89
n-Butylbenzene
Concen: 23.001 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	27.2	81.6	
134	25.5	13.4	40.1	

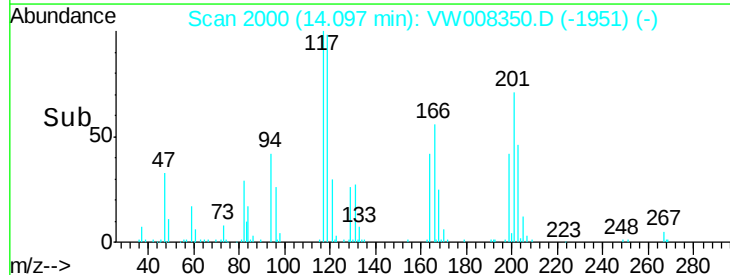
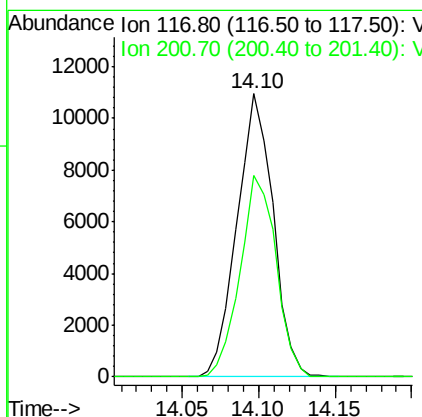
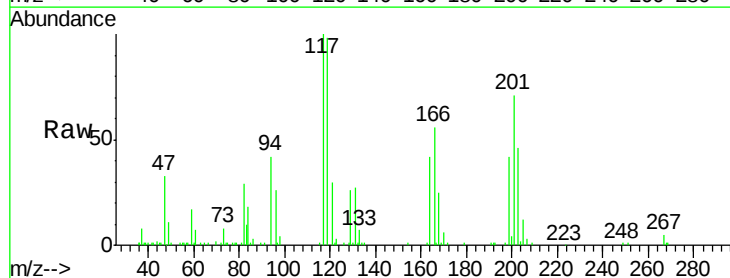
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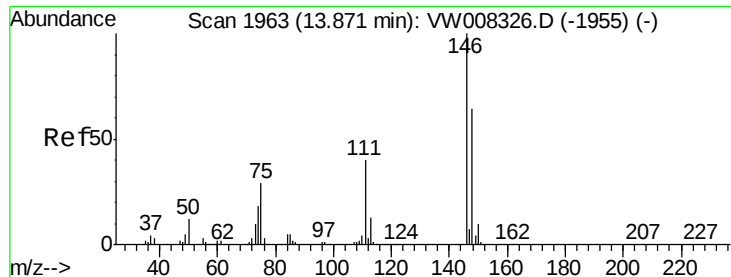
MMDadoda
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#90
Hexachloroethane
Concen: 21.840 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	70.8	39.3	117.9	





#91

1,2-Dichlorobenzene

Concen: 19.988 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Instrument :

MSVOA_W

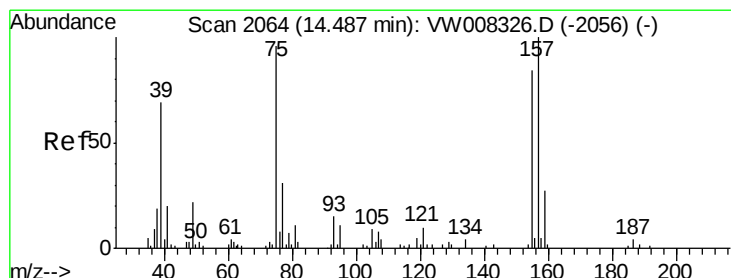
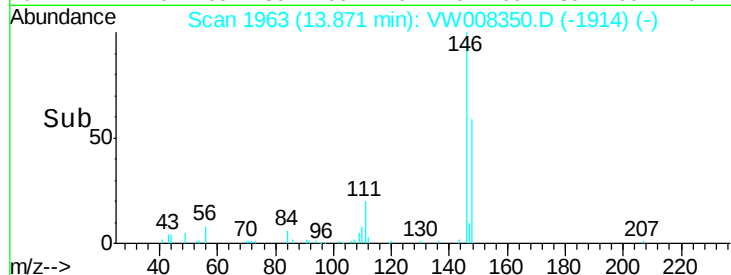
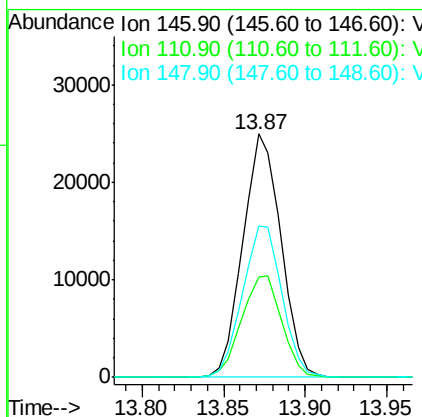
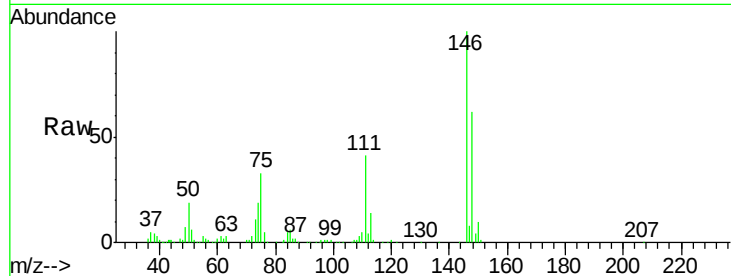
ClientSampleId :

VW0118SBS01

Tot Ion:	146	Resp:	40620
Ion Ratio	Lower	Upper	
146	100		
111	44.1	19.6	58.8
148	64.5	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.099 ug/l

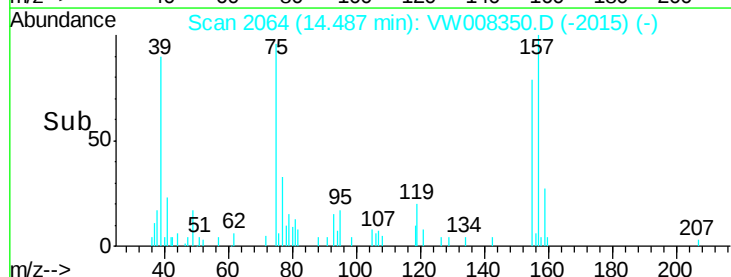
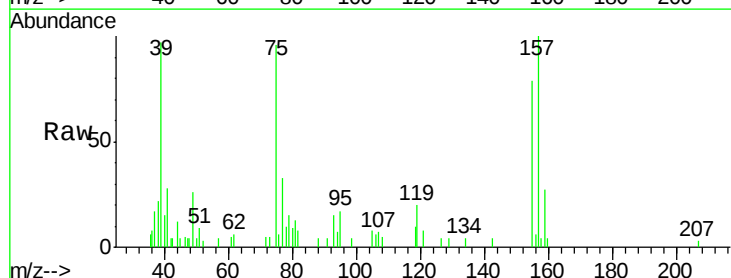
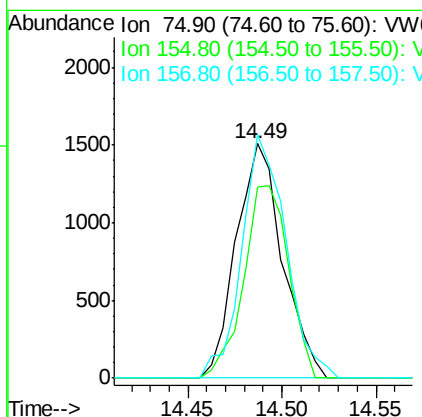
RT: 14.49 min Scan# 2064

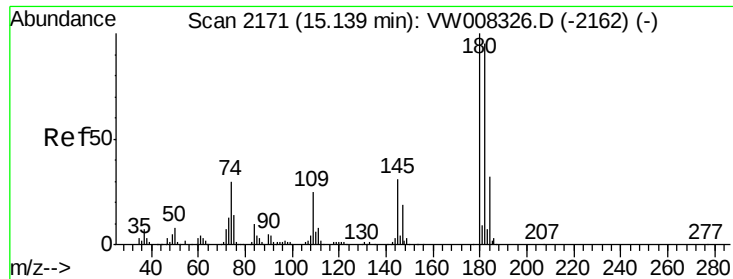
Delta R.T. 0.00 min

Lab File: VW008350.D

Acq: 18 Jan 2019 12:35

Tgt Ion:	75	Resp:	2562
Ion Ratio	Lower	Upper	
75	100		
155	79.6	44.7	134.1
157	99.3	53.9	161.8





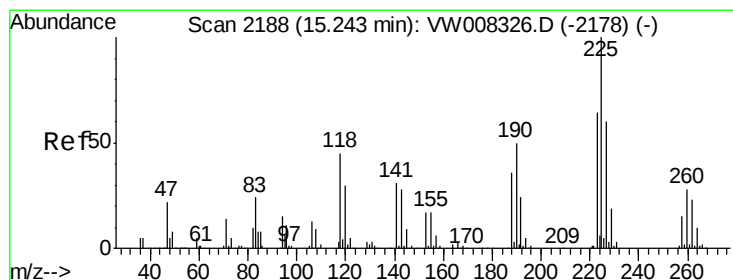
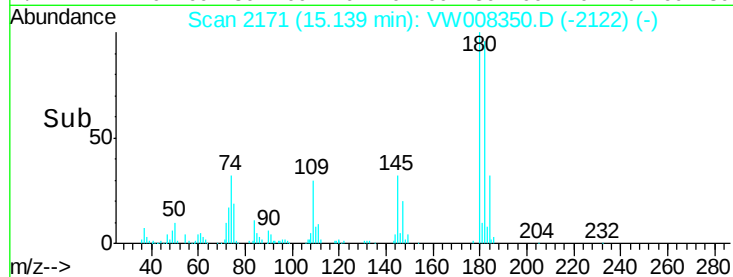
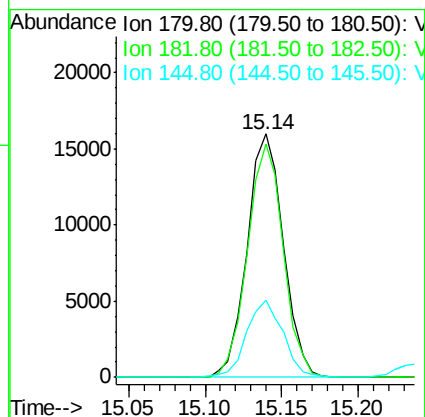
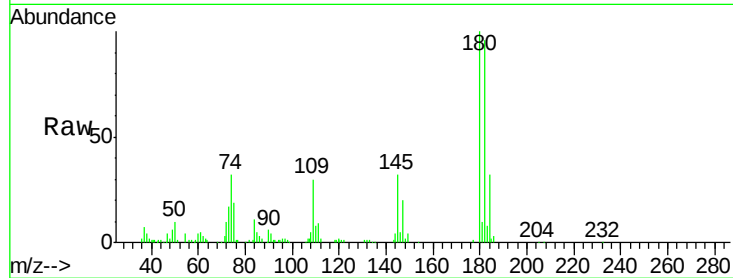
#93
 1,2,4-Trichlorobenzene
 Concen: 19.135 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	31.9	14.8	44.4

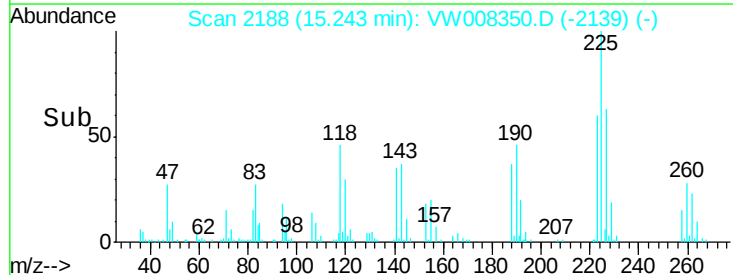
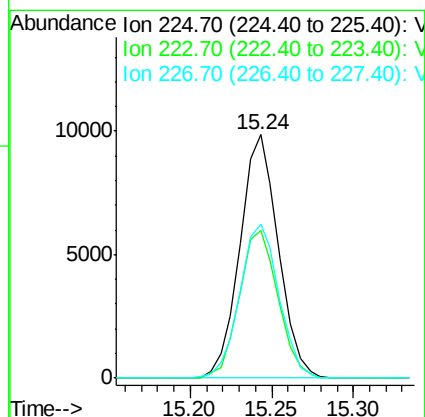
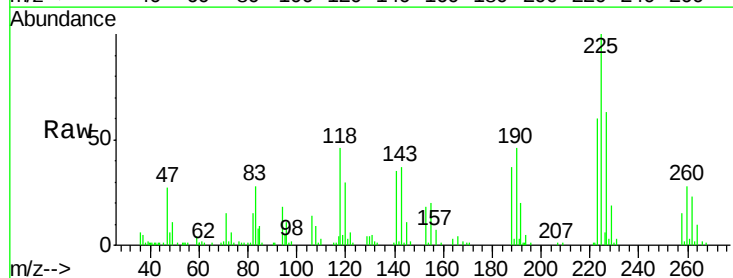
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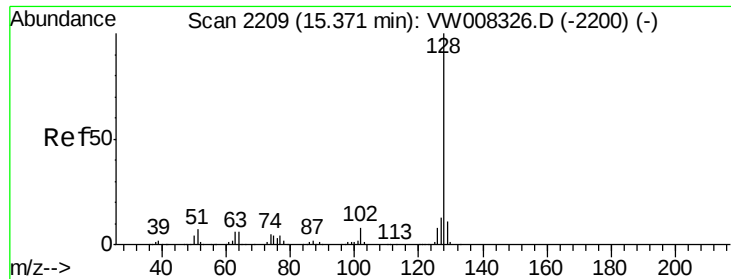
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#94
 Hexachlorobutadiene
 Concen: 20.789 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008350.D
 Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.1	93.3
227	64.7	30.3	90.8





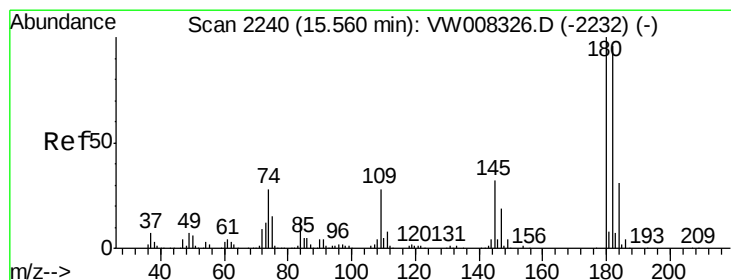
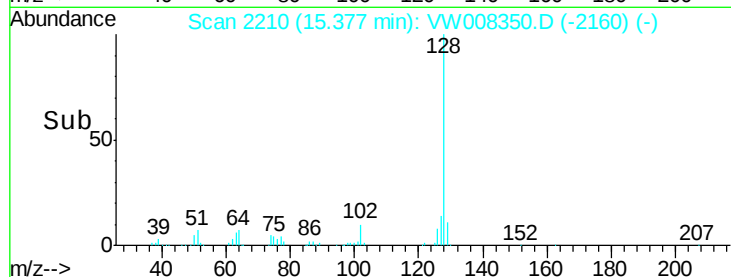
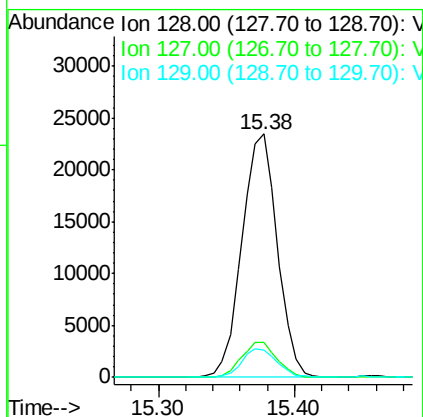
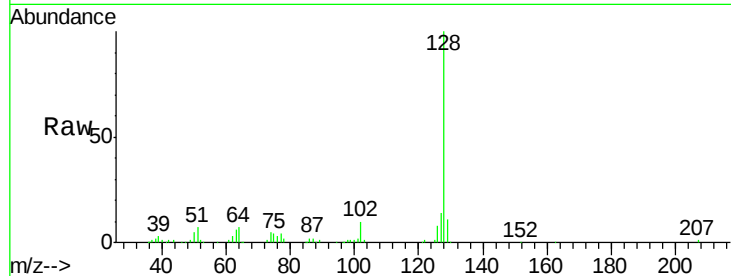
#95
Naphthalene
Concen: 18.346 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	11.6	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.627 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008350.D
Acq: 18 Jan 2019 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.9
145	33.5	16.2	48.6

