

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\
 Data File : VW010042.D
 Acq On : 18 Apr 2019 13:50
 Operator : SY/VA
 Sample : VW0418SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:52:59 PM

Quant Time: Apr 18 15:53:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	438941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	710785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	648176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	330432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	291849	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.88	113	238966	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.32	98	932681	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.62	95	338565	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61201	18.286	ug/l	99
3) Chloromethane	2.21	50	56850	16.986	ug/l	91
4) Vinyl Chloride	2.36	62	72909	18.740	ug/l	94
5) Bromomethane	2.77	94	47687	18.239	ug/l	96
6) Chloroethane	2.92	64	50258	19.771	ug/l	98
7) Trichlorofluoromethane	3.25	101	44685	16.612	ug/l	99
8) Diethyl Ether	3.67	74	44351	19.822	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	87442	19.319	ug/l	98
10) Methyl Iodide	4.26	142	116722	18.661	ug/l	99
11) Tert butyl alcohol	5.18	59	30333	98.310	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	82526	19.018	ug/l	98
13) Acrolein	3.89	56	27060	83.364	ug/l	99
14) Allyl chloride	4.65	41	137074	17.768	ug/l	100
15) Acrylonitrile	5.36	53	109885	95.429	ug/l	100
16) Acetone	4.12	43	117672	93.628	ug/l	98
17) Carbon Disulfide	4.38	76	214705	17.323	ug/l	97
18) Methyl Acetate	4.67	43	55572	19.105	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	111288	19.745	ug/l	96
20) Methylene Chloride	4.92	84	109013	19.699	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	89732	19.096	ug/l	99
22) Diisopropyl ether	6.31	45	311950	19.935	ug/l	97
23) Vinyl Acetate	6.25	43	997888	101.298	ug/l	97
24) 1,1-Dichloroethane	6.21	63	179710	19.211	ug/l	99
25) 2-Butanone	7.17	43	168592	102.118	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98729	19.076	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	99128	19.182	ug/l	99
28) Bromochloromethane	7.51	49	72814	19.046	ug/l	96
29) Tetrahydrofuran	7.53	42	107037	102.320	ug/l	98
30) Chloroform	7.67	83	179518	19.151	ug/l	96
31) Cyclohexane	7.95	56	166265	18.980	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	139007	18.890	ug/l	99
36) 1,1-Dichloropropene	8.08	75	143086	19.707	ug/l	98
37) Ethyl Acetate	7.25	43	77432	20.988	ug/l	99
38) Carbon Tetrachloride	8.06	117	134979	19.049	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	155980	18.429	ug/l	100
40) Benzene	8.32	78	390887	19.690	ug/l	98
41) Methacrylonitrile	7.48	41	43501	20.688	ug/l	96
42) 1,2-Dichloroethane	8.40	62	131600	19.289	ug/l	100
43) Isopropyl Acetate	8.42	43	140054	20.258	ug/l	98
44) Trichloroethene	9.09	130	96519	19.142	ug/l	98
45) 1,2-Dichloropropane	9.37	63	100100	19.183	ug/l	96
46) Dibromomethane	9.45	93	51926	19.199	ug/l	99
47) Bromodichloromethane	9.64	83	132601	18.993	ug/l	98
48) Methyl methacrylate	9.43	41	64691	19.223	ug/l	95
49) 1,4-Dioxane	9.45	88	15547	376.210	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	378595	104.555	ug/l	99
52) Toluene	10.38	92	243870	19.720	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	132951	19.207	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	150753	19.073	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72896	19.311	ug/l	95
56) Ethyl methacrylate	10.65	69	94005	19.628	ug/l	97
57) 1,3-Dichloropropane	10.93	76	133390	19.715	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	264851	117.418	ug/l	99
59) 2-Hexanone	10.97	43	256431	101.733	ug/l	100
60) Dibromochloromethane	11.13	129	83836	19.215	ug/l	99
61) 1,2-Dibromoethane	11.23	107	69848	19.451	ug/l	99
64) Tetrachloroethene	10.86	164	81086	19.271	ug/l	96
65) Chlorobenzene	11.66	112	260837	19.661	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	93022	19.608	ug/l	100
67) Ethyl Benzene	11.73	91	462739	19.550	ug/l	100
68) m/p-Xylenes	11.84	106	356466	40.289	ug/l	100
69) o-Xylene	12.16	106	160633	19.939	ug/l	99
70) Styrene	12.18	104	270720	19.490	ug/l	99
71) Bromoform	12.35	173	49219	19.620	ug/l #	99
73) Isopropylbenzene	12.46	105	454004	19.742	ug/l	100
74) N-amyl acetate	12.27	43	128281	20.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	90815	19.988	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64948m	19.639	ug/l	
77) Bromobenzene	12.75	156	103195	19.511	ug/l	99
78) n-propylbenzene	12.80	91	578181	20.285	ug/l	100
79) 2-Chlorotoluene	12.89	91	326848	19.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	383411	19.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	27905	19.896	ug/l	97
82) 4-Chlorotoluene	12.99	91	345145	20.006	ug/l	100
83) tert-Butylbenzene	13.21	119	320788	19.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	399870	20.227	ug/l	98
85) sec-Butylbenzene	13.38	105	481917	19.971	ug/l	100
86) p-Isopropyltoluene	13.50	119	421101	19.799	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	213551	19.974	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	210687	19.742	ug/l	99
89) n-Butylbenzene	13.83	91	416166	19.750	ug/l	100
90) Hexachloroethane	14.10	117	78948	19.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	193004	20.133	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16240	19.973	ug/l	95

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MSVOA_W
ClientSampleId :
VW0418SBSD01

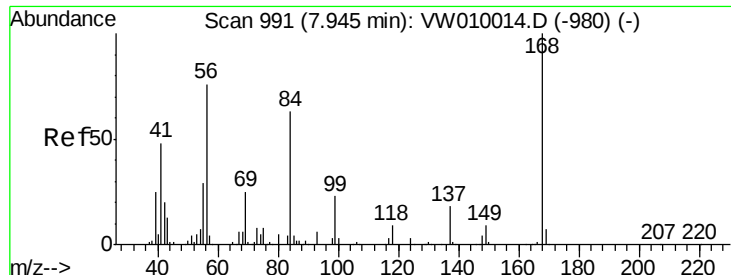
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122839	19.423	ug/l	98
94) Hexachlorobutadiene	15.24	225	74506	19.400	ug/l	99
95) Naphthalene	15.37	128	227589	19.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	111986	20.409	ug/l	99

(#) = 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: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion:168 Resp: 438941

Ion Ratio Lower Upper

168 100

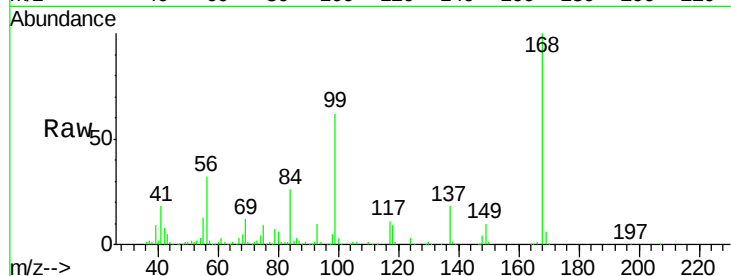
99 61.7 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

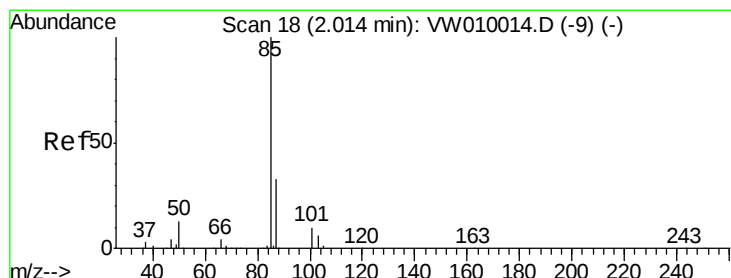
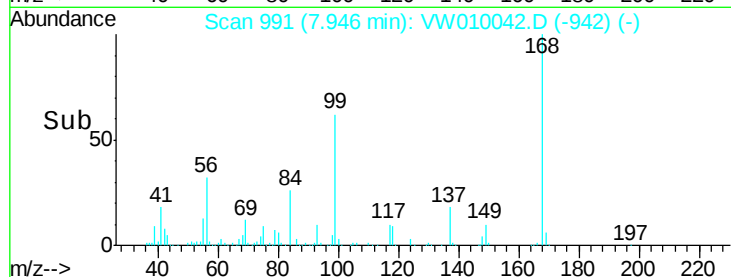
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.286 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010042.D

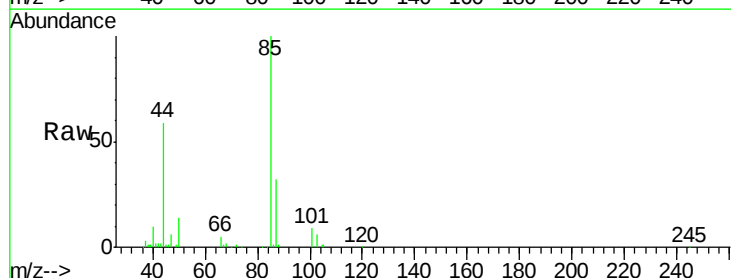
Acq: 18 Apr 2019 13:50

Tgt Ion: 85 Resp: 61201

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

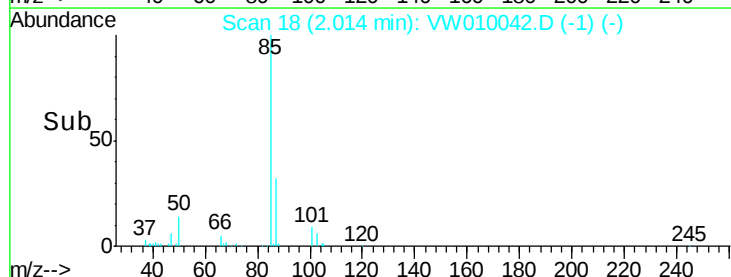
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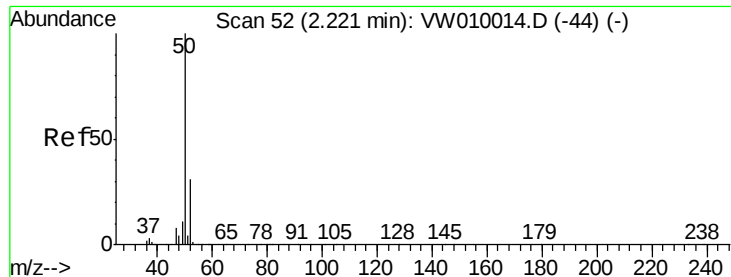
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.986 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 50 Resp: 56850

Ion Ratio Lower Upper

50 100

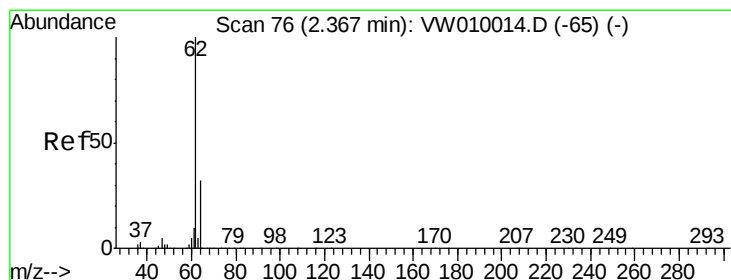
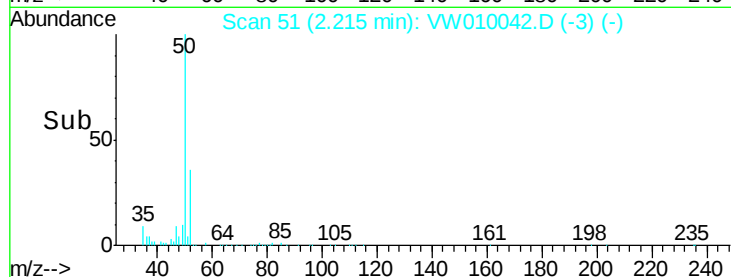
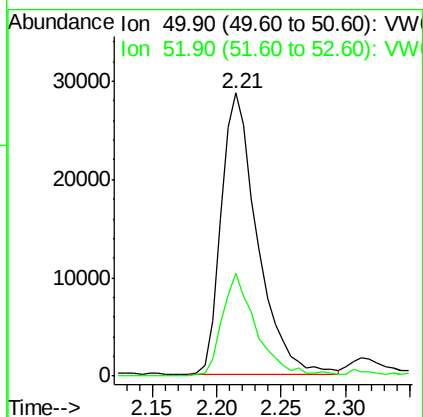
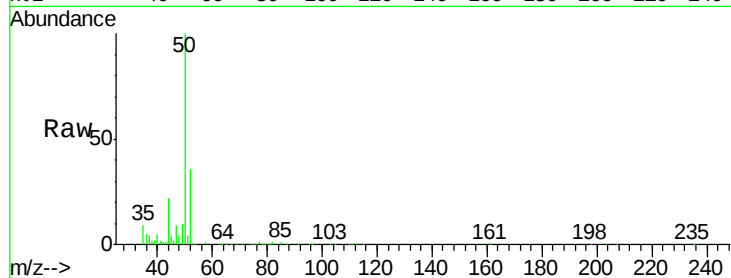
52 36.4 25.0 37.6

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#4

Vinyl Chloride

Concen: 18.740 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010042.D

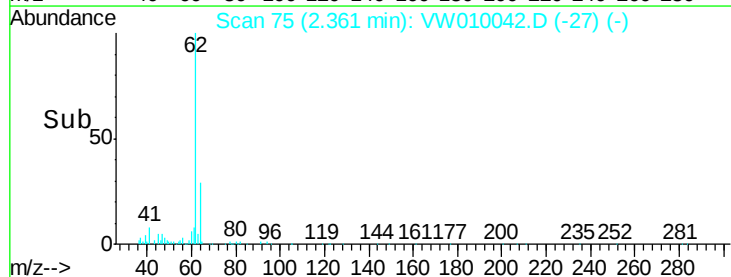
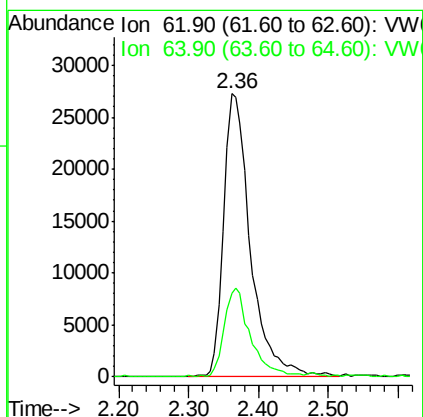
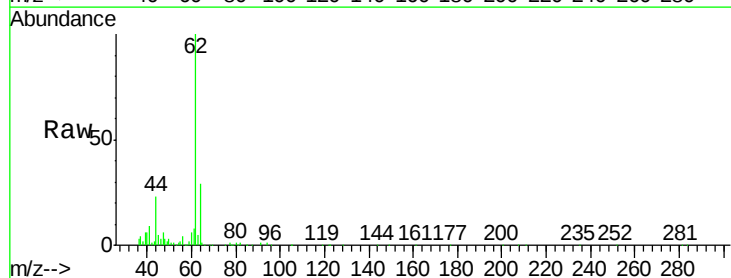
Acq: 18 Apr 2019 13:50

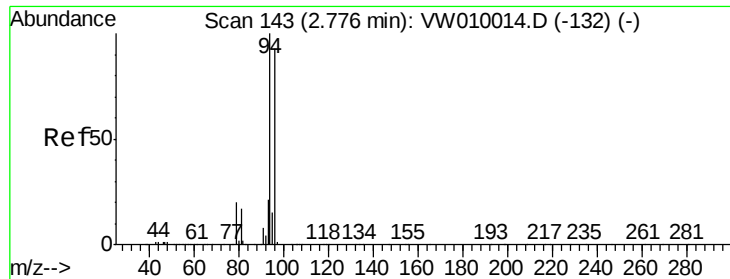
Tgt Ion: 62 Resp: 72909

Ion Ratio Lower Upper

62 100

64 28.9 25.9 38.9





#5

Bromomethane

Concen: 18.239 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 94 Resp: 47687

Ion Ratio Lower Upper

94 100

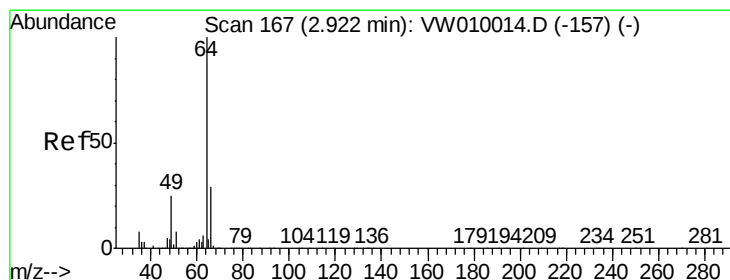
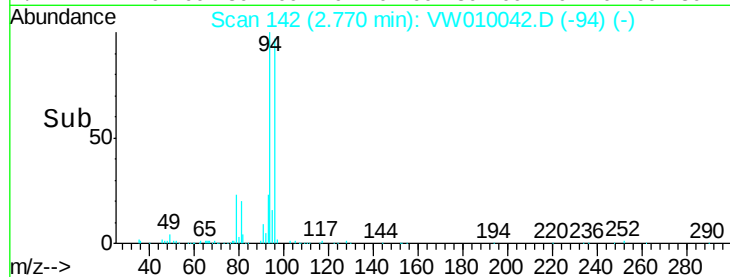
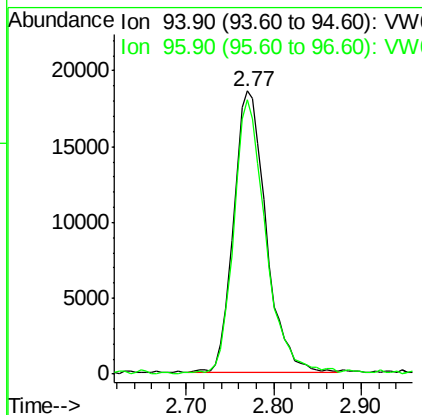
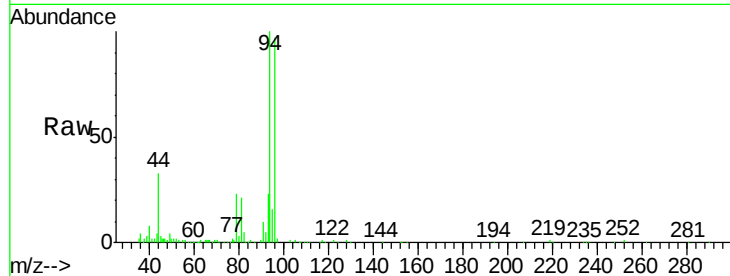
96 96.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 19.771 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010042.D

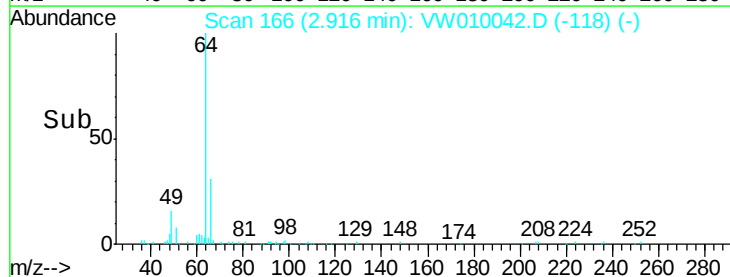
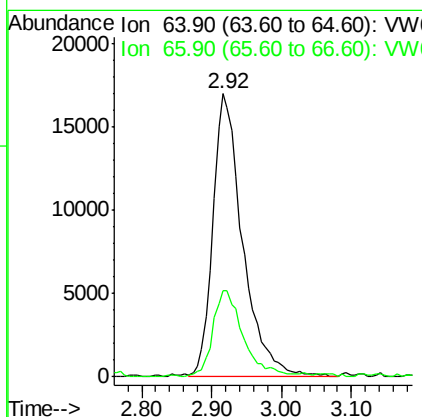
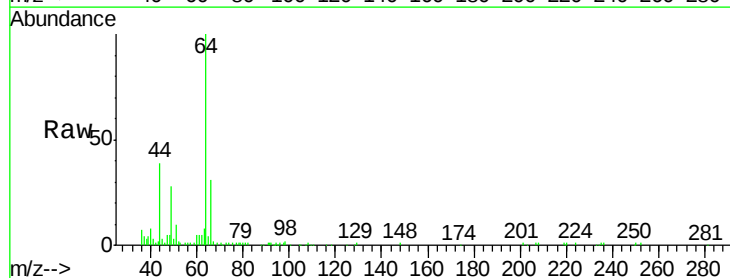
Acq: 18 Apr 2019 13:50

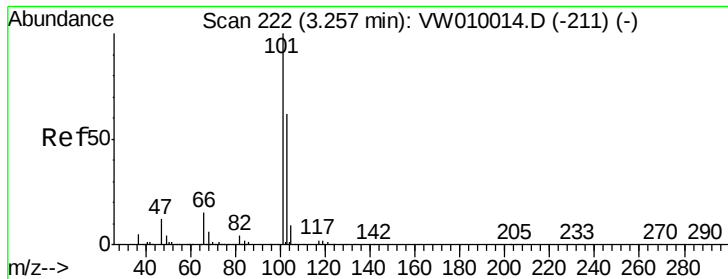
Tgt Ion: 64 Resp: 50258

Ion Ratio Lower Upper

64 100

66 30.2 23.4 35.0





#7

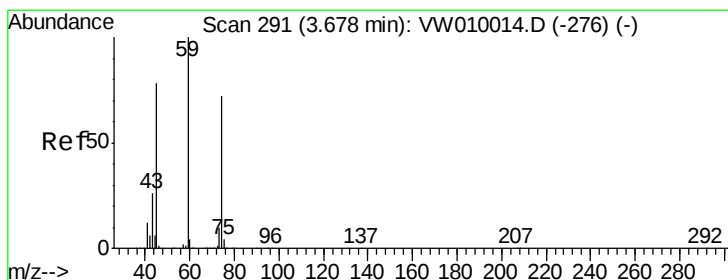
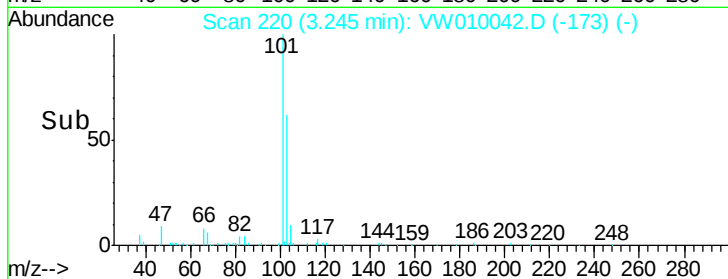
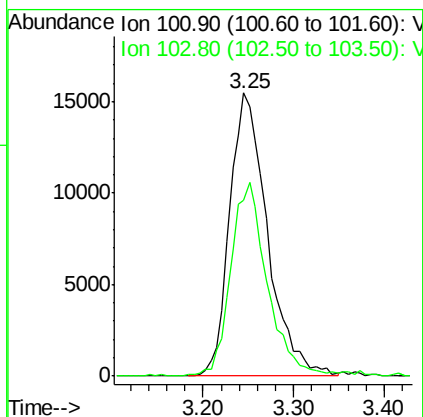
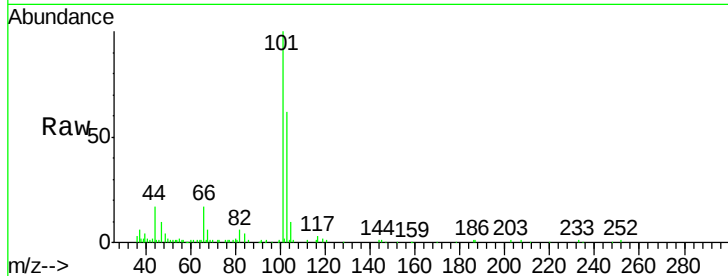
Trichlorofluoromethane
 Concen: 16.612 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
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 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.8	74.6

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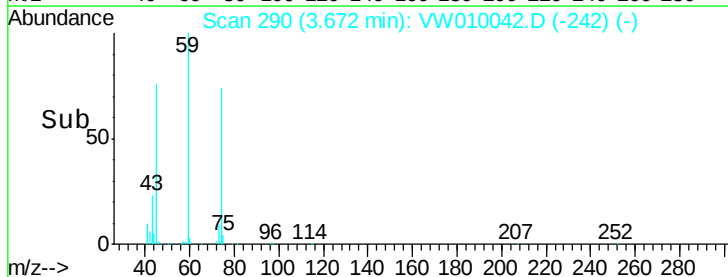
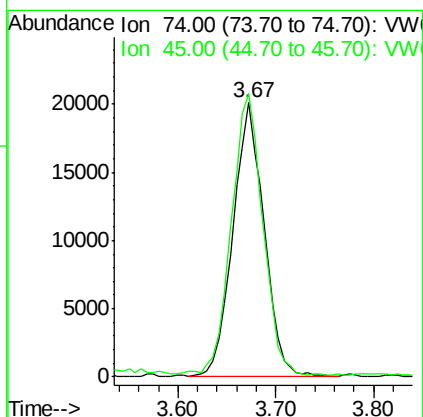
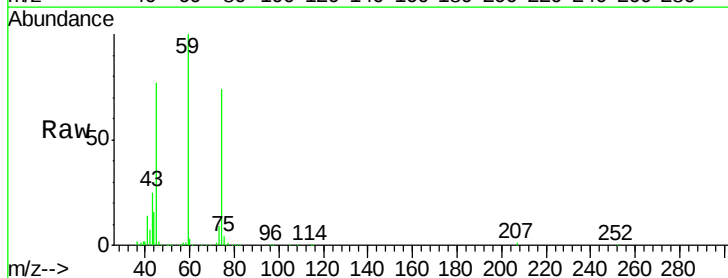
MMDadoda
 4/19/2019 12:52:59 PM

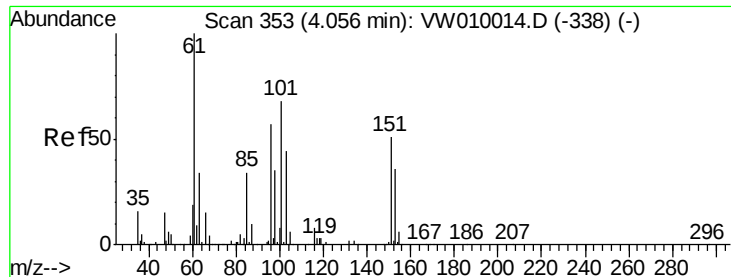


#8

Diethyl Ether
 Concen: 19.822 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.319 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

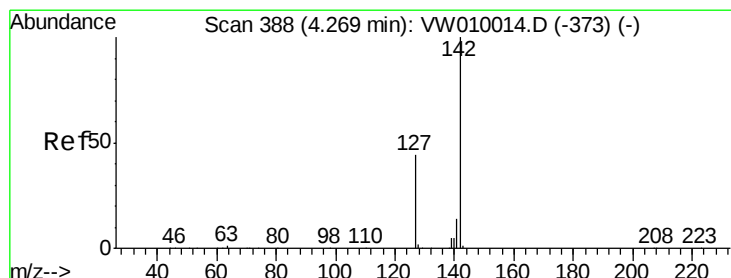
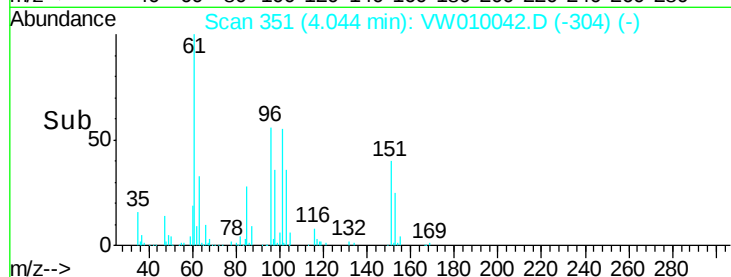
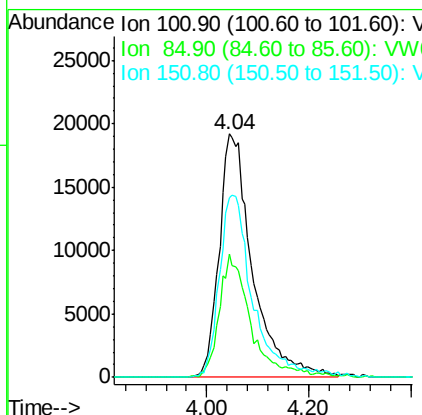
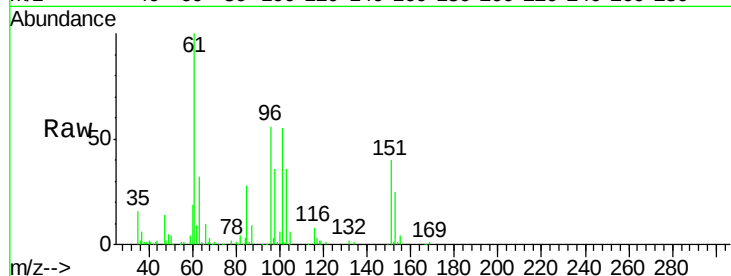
ClientSampleId :

VW0418SBS01

Tot Ion:	101	Resp:	87442
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.3	54.5
151	73.6	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.661 ug/l

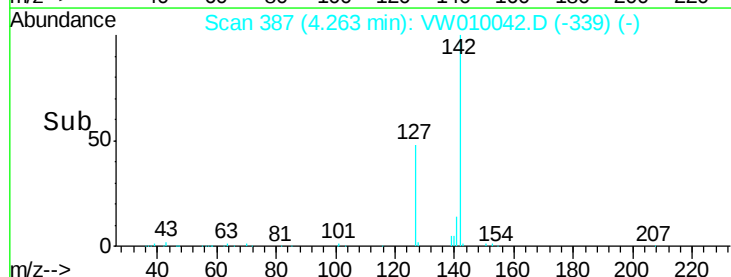
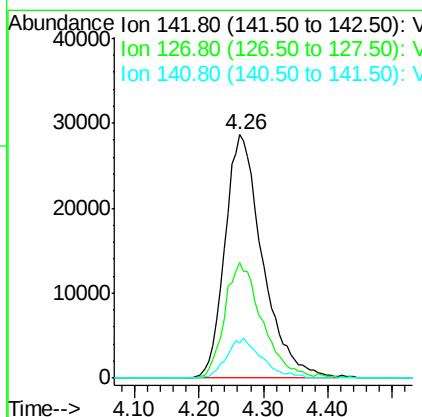
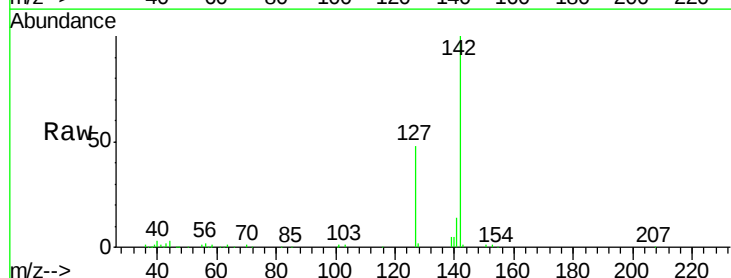
RT: 4.26 min Scan# 387

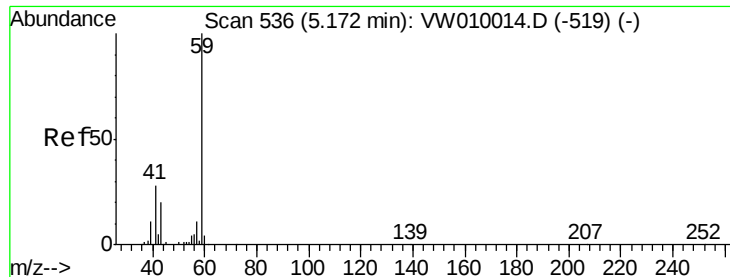
Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	142	Resp:	116722
Ion Ratio	Lower	Upper	
142	100		
127	47.0	38.1	57.1
141	15.4	12.2	18.2





#11

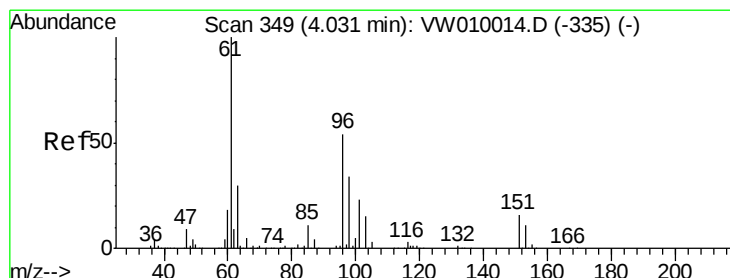
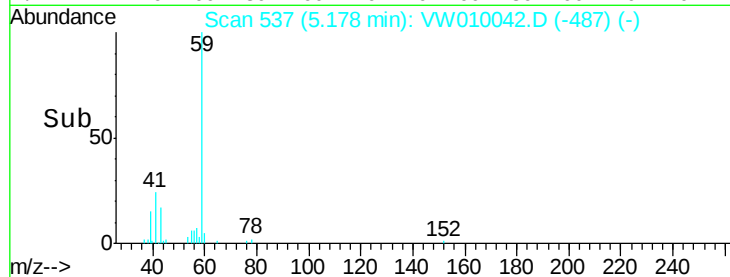
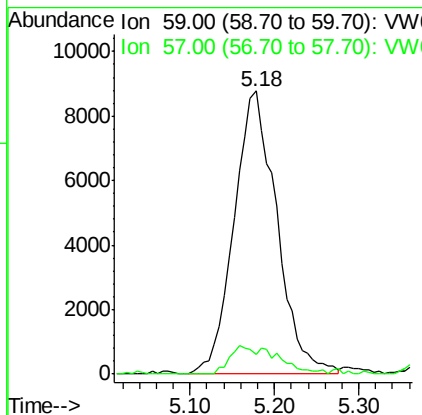
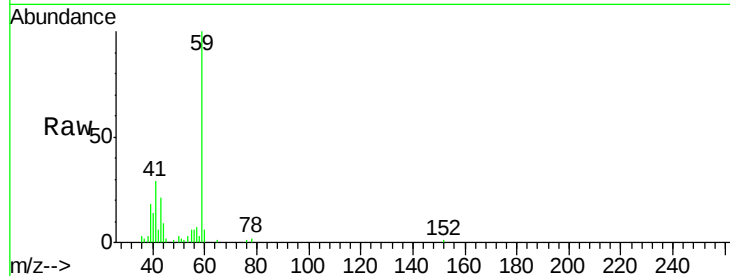
Tert butyl alcohol
 Concen: 98.310 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	59	Resp	30333
Ion Ratio	100	Lower	Upper
59	100		
57	5.7	9.0	13.4#

Manual Integrations
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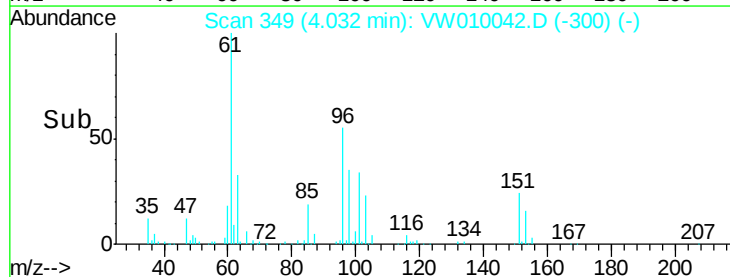
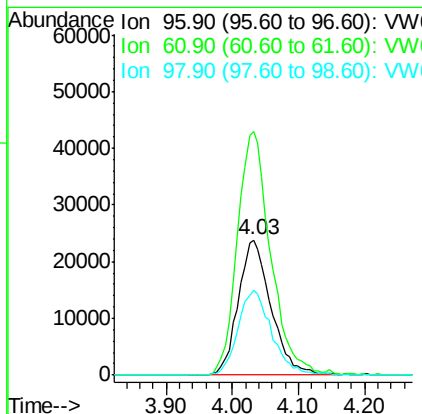
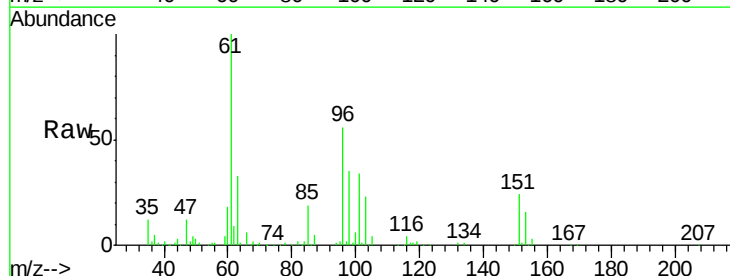
MMDadoda
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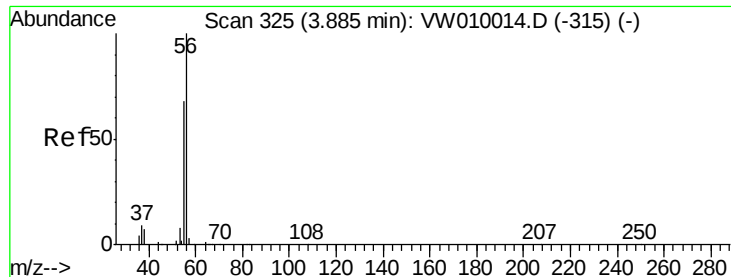


#12

1,1-Dichloroethene
 Concen: 19.018 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	96	Resp	82526
Ion Ratio	100	Lower	Upper
96	100		
61	180.0	147.4	221.2
98	62.7	49.7	74.5





#13

Acrolein

Concen: 83.364 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 56 Resp: 27060

Ion Ratio Lower Upper

56 100

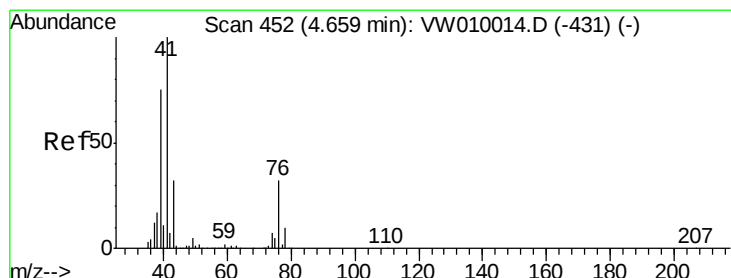
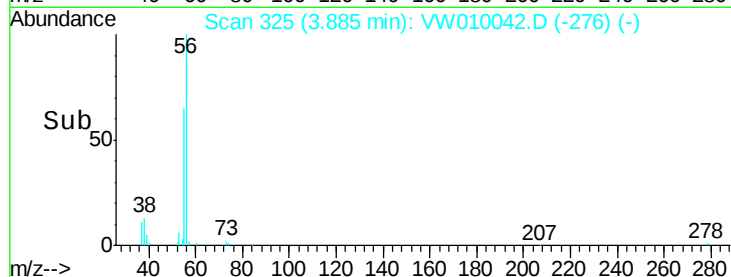
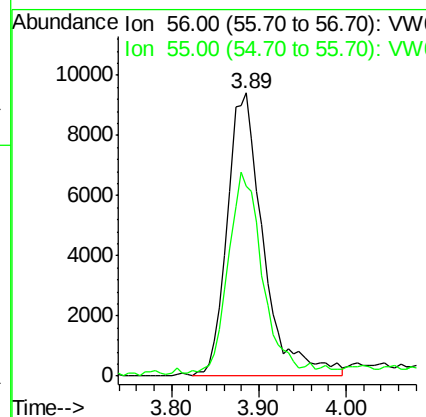
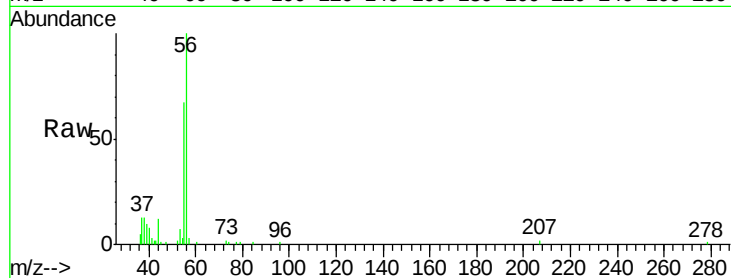
55 66.7 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.768 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

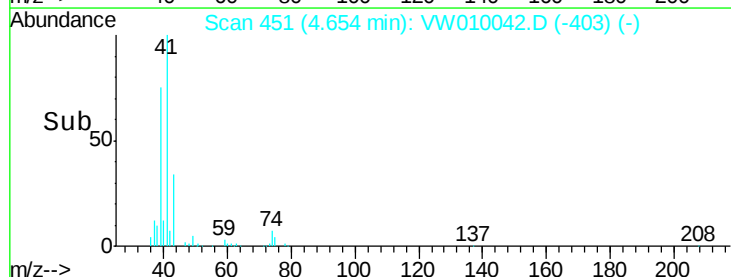
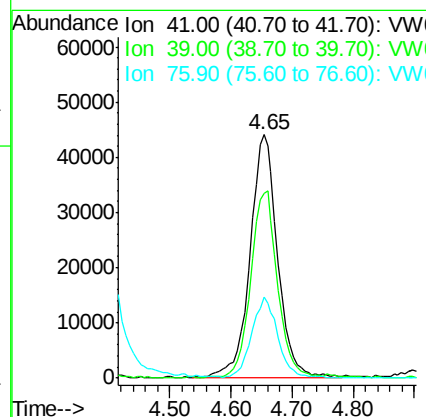
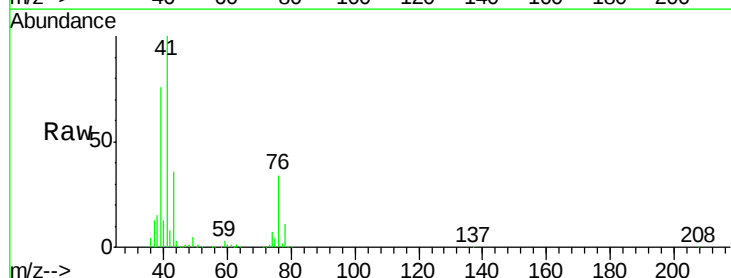
Tgt Ion: 41 Resp: 137074

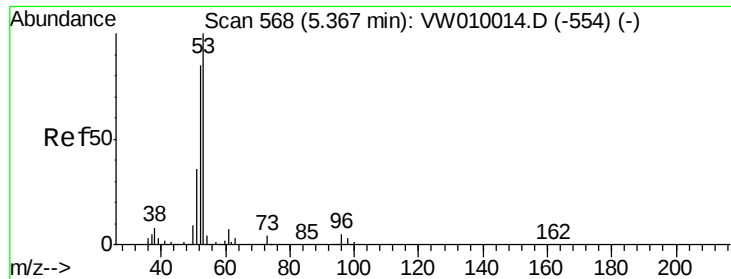
Ion Ratio Lower Upper

41 100

39 75.4 60.2 90.4

76 31.5 25.0 37.6





#15

Acrylonitrile

Concen: 95.429 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

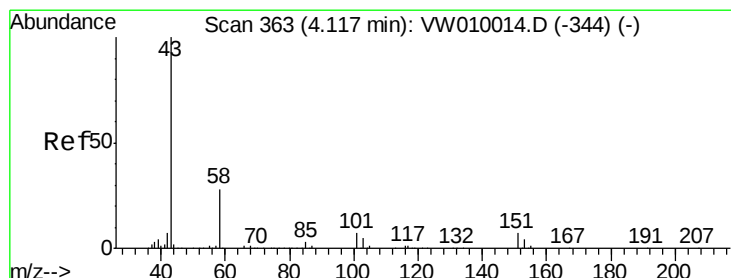
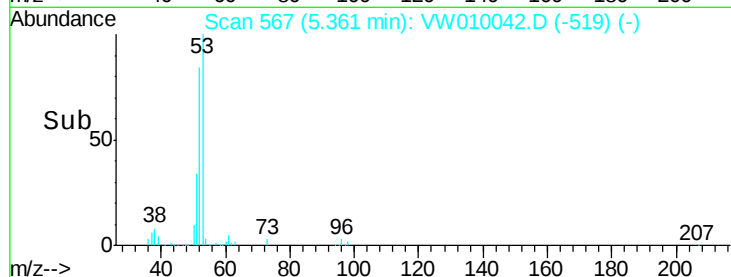
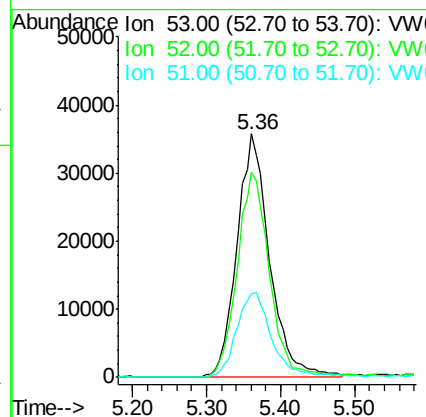
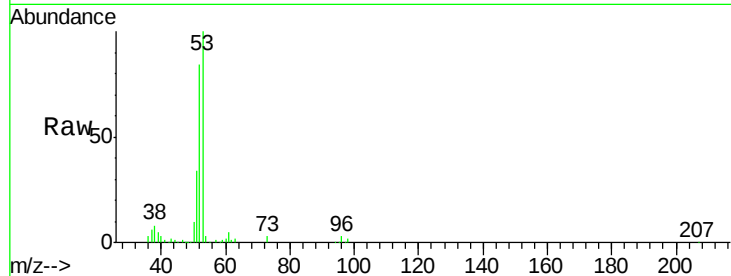
ClientSampleId :

VW0418SBS01

Tot Ion:	53	Resp:	109885
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	100.0
51	37.8	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 93.628 ug/l

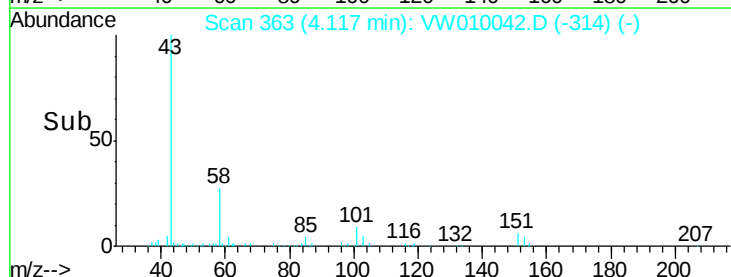
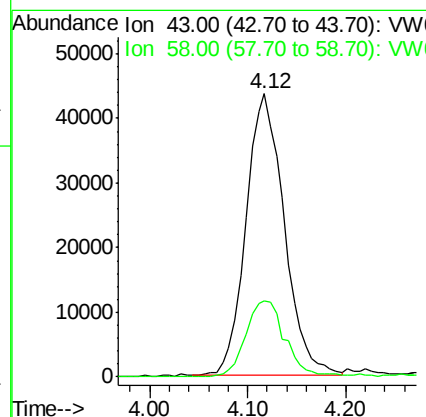
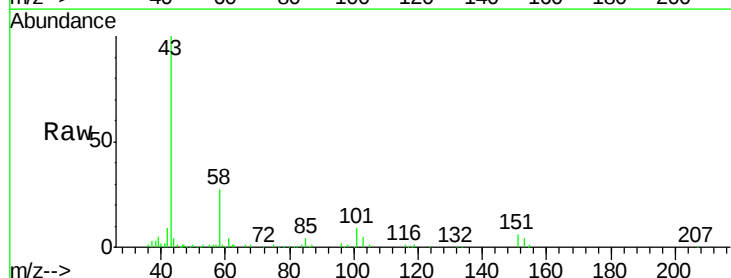
RT: 4.12 min Scan# 363

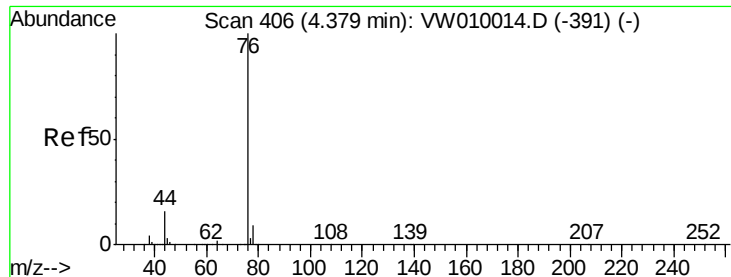
Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	43	Resp:	117672
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.7	34.1





#17

Carbon Disulfide

Concen: 17.323 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBSD01

Tot Ion: 76 Resp: 214705

Ion Ratio Lower Upper

76 100

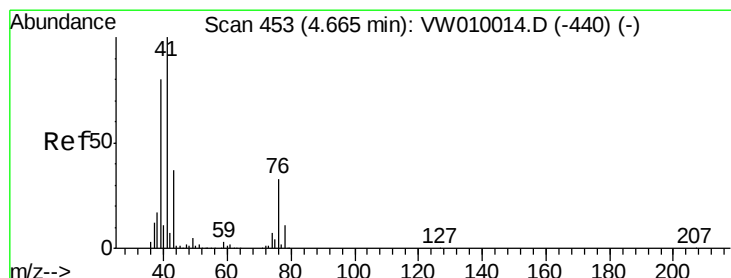
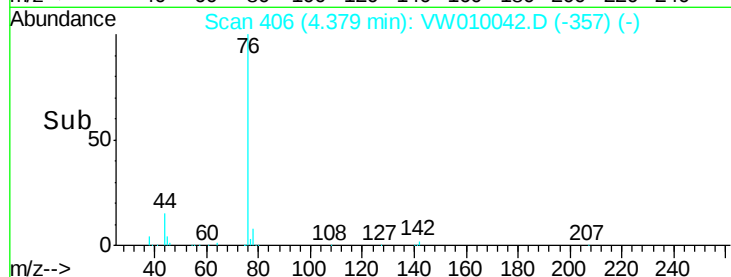
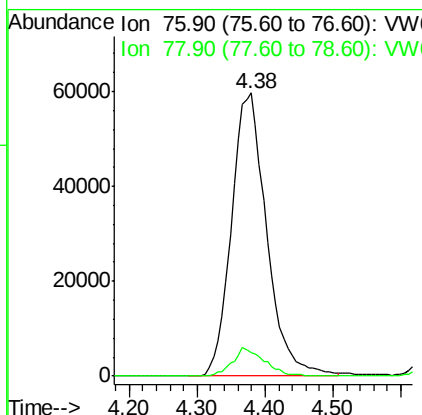
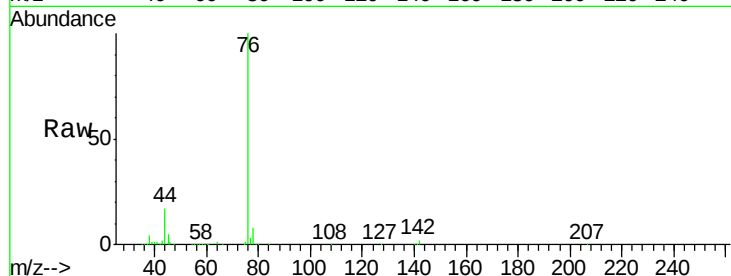
78 8.3 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 19.105 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010042.D

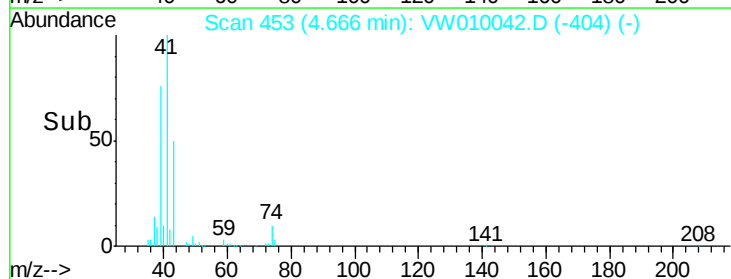
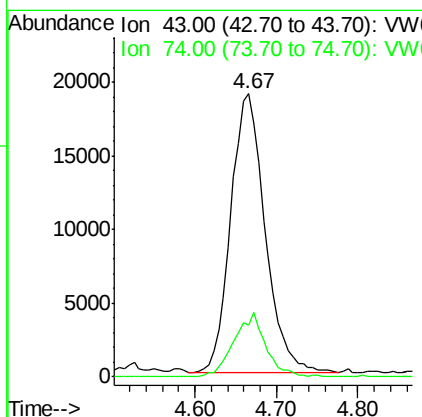
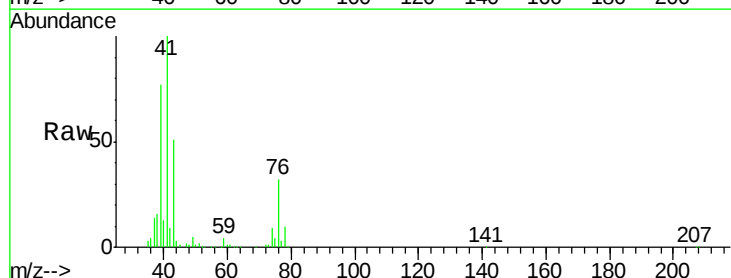
Acq: 18 Apr 2019 13:50

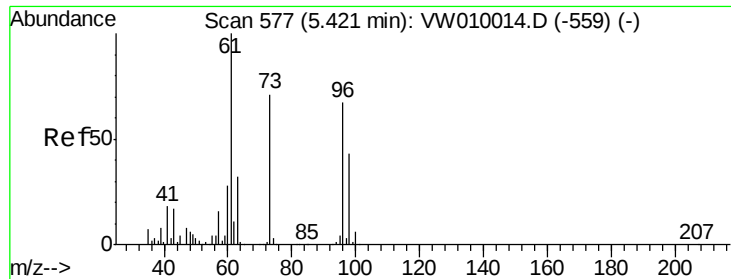
Tgt Ion: 43 Resp: 55572

Ion Ratio Lower Upper

43 100

74 21.2 16.8 25.2





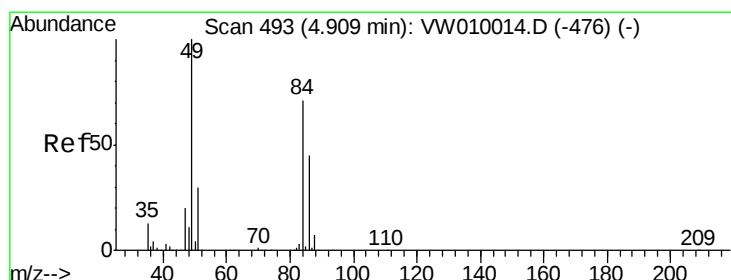
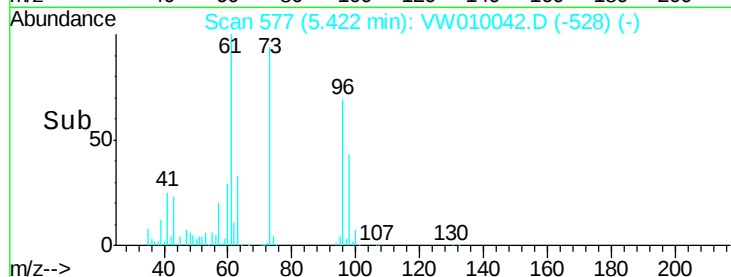
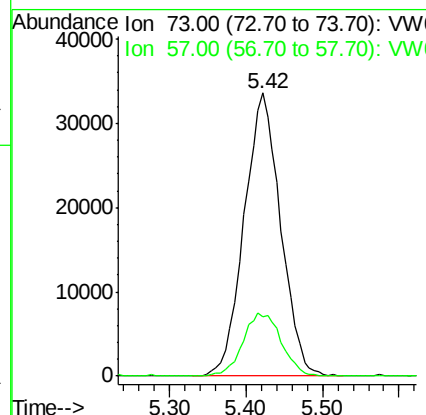
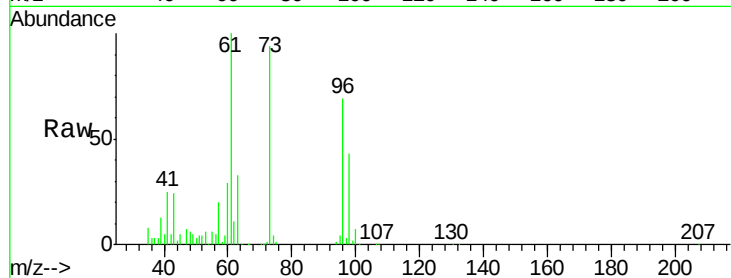
#19
Methyl tert-butyl Ether
Concen: 19.745 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion: 73 Resp: 111288
Ion Ratio Lower Upper
73 100
57 20.9 18.5 27.7

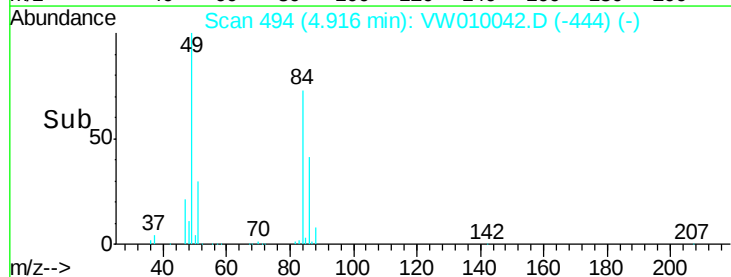
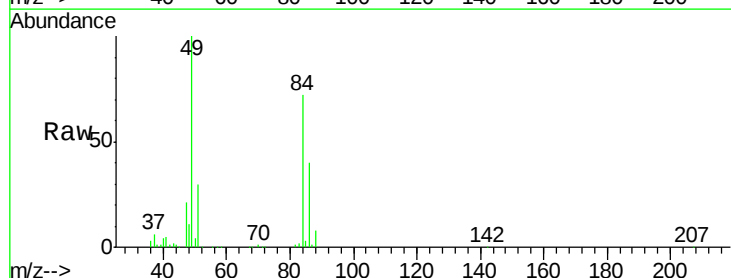
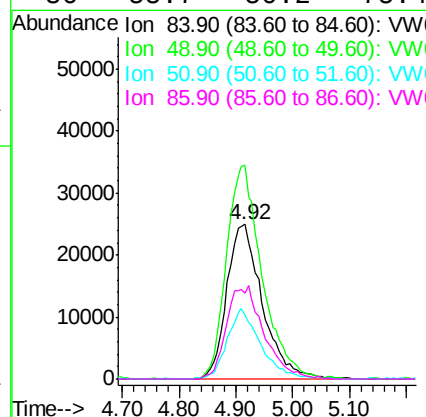
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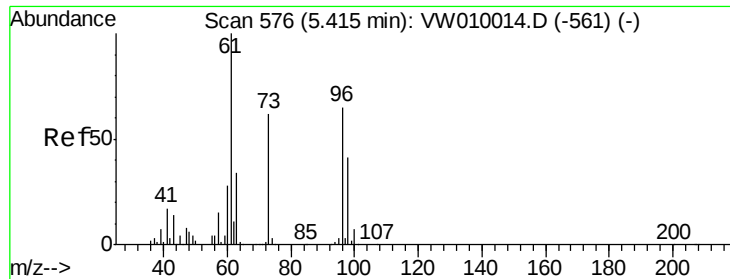
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#20
Methylene Chloride
Concen: 19.699 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 84 Resp: 109013
Ion Ratio Lower Upper
84 100
49 138.1 112.3 168.5
51 41.5 33.9 50.9
86 55.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.096 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

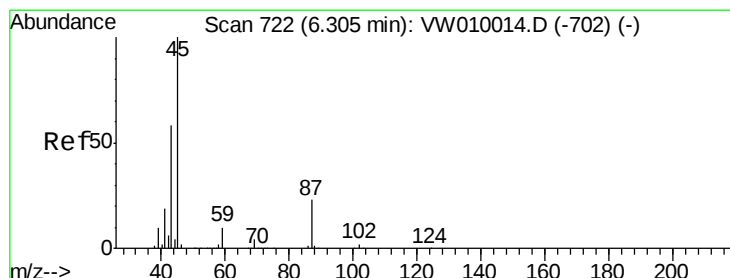
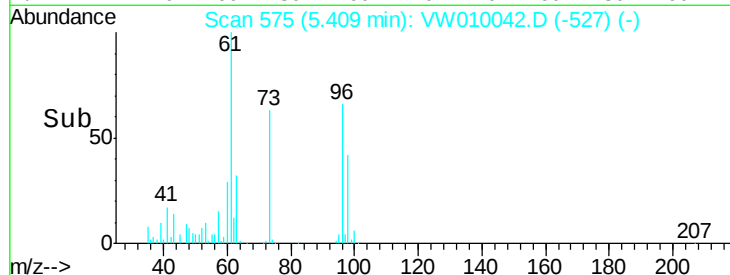
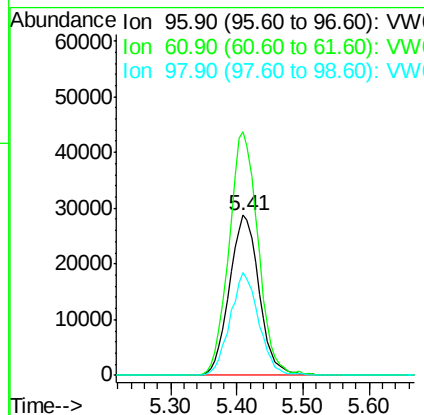
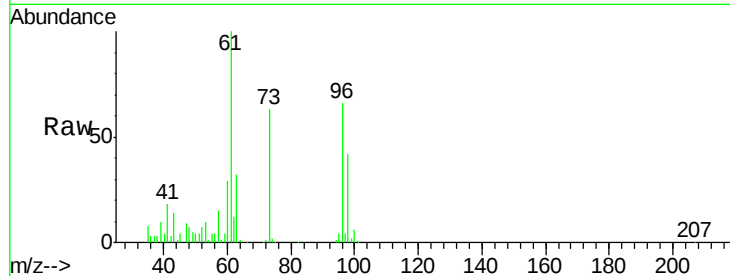
ClientSampleId :

VW0418SBS01

Tot Ion:	96	Resp:	89732
Ion	Ratio	Lower	Upper
96	100		
61	152.1	122.3	183.5
98	63.9	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.935 ug/l

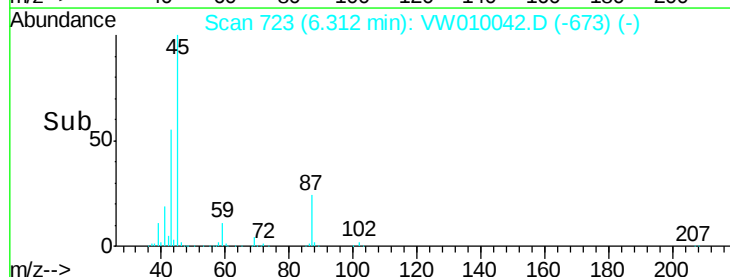
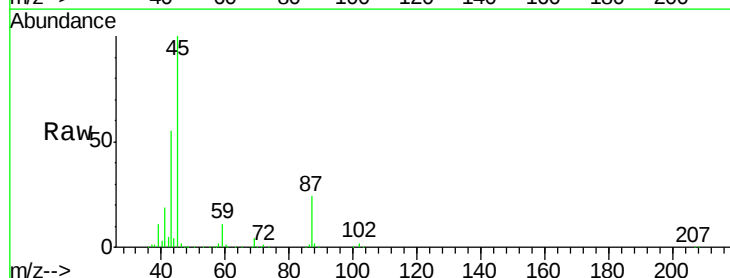
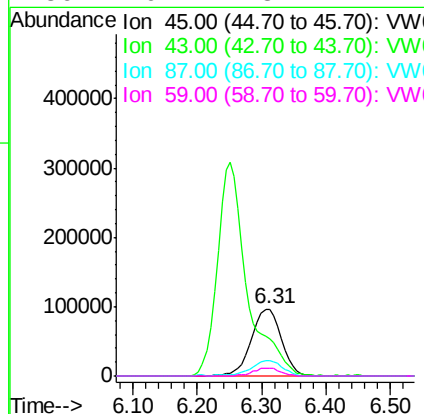
RT: 6.31 min Scan# 723

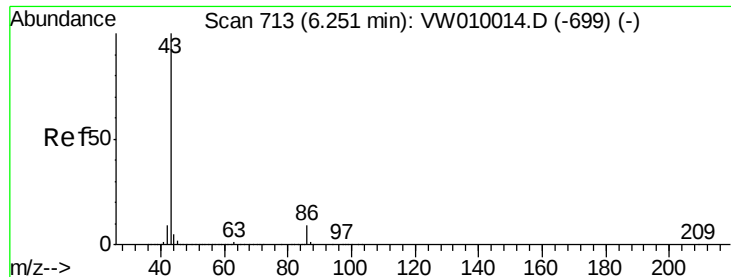
Delta R.T. 0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	45	Resp:	311950
Ion	Ratio	Lower	Upper
45	100		
43	54.7	46.1	69.1
87	23.8	18.3	27.5
59	10.7	8.2	12.4





#23

Vinyl Acetate

Concen: 101.298 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tot Ion: 43 Resp: 997888

Ion Ratio Lower Upper

43 100

86 9.9 7.0 10.6

Instrument :

MSVOA_W

ClientSampled :

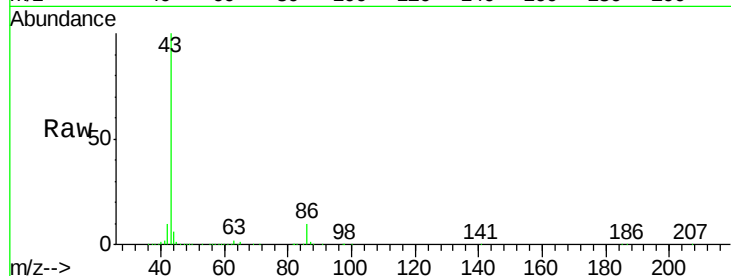
VW0418SBS01

Manual Integrations

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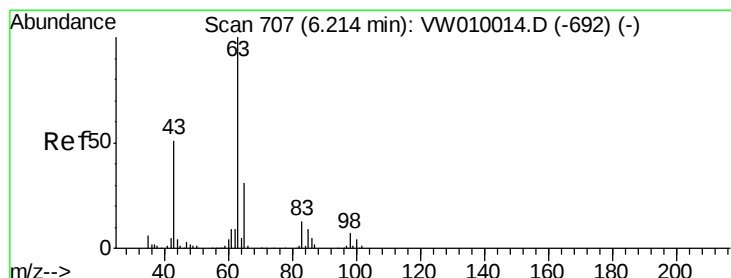
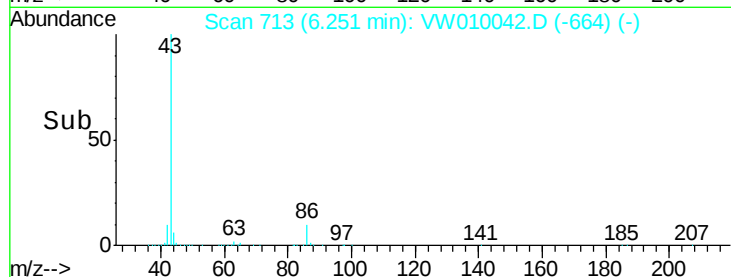
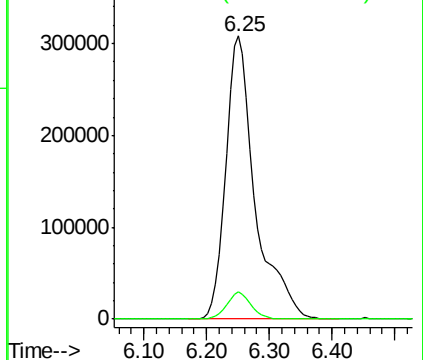
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.211 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

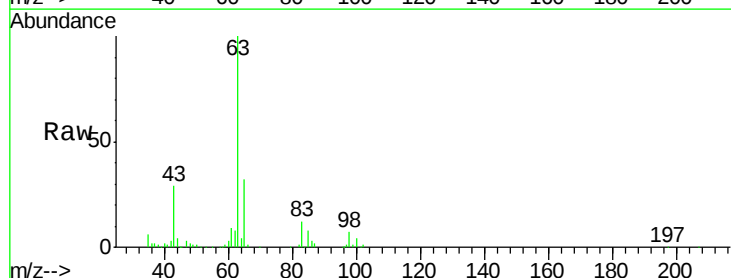
Tgt Ion: 63 Resp: 179710

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

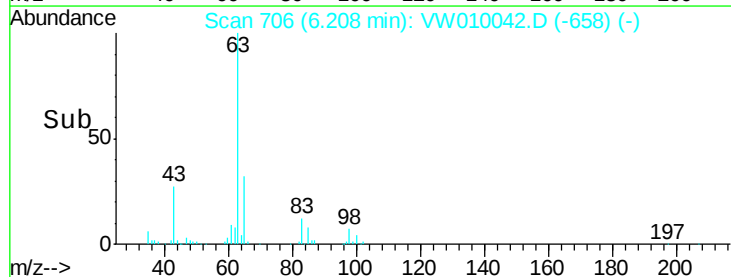
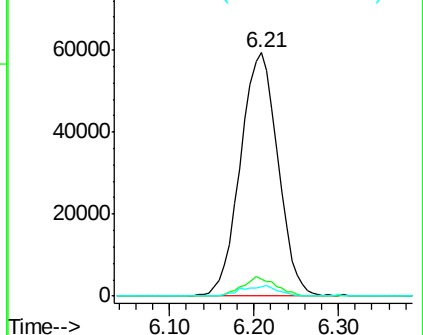
100 4.1 2.0 6.0

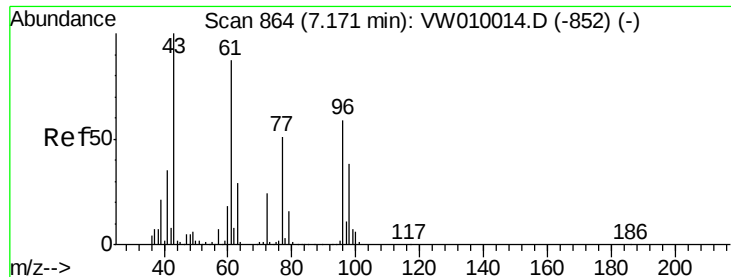


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.118 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampled :

VW0418SBS01

Tot Ion: 43 Resp: 168592

Ion Ratio Lower Upper

43 100

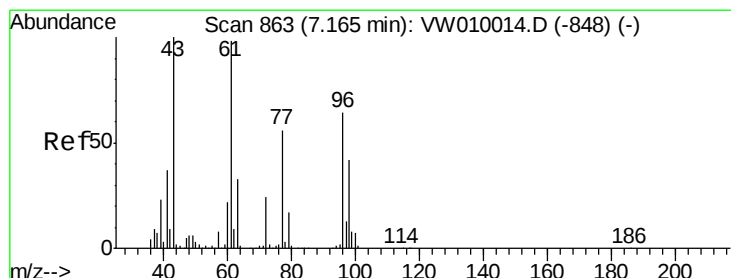
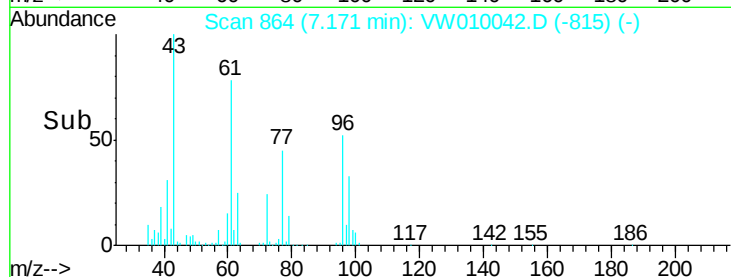
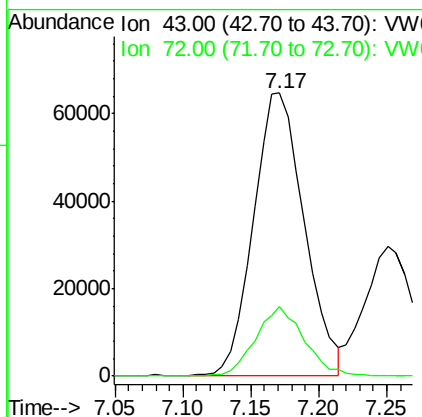
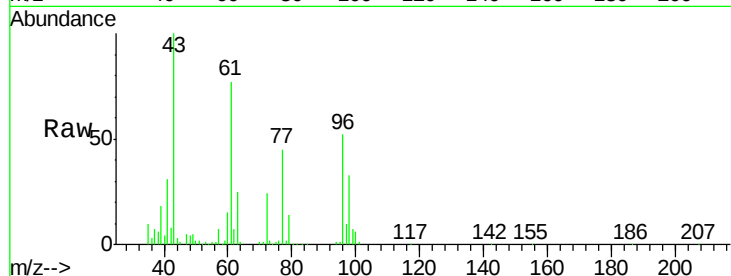
72 24.4 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.076 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010042.D

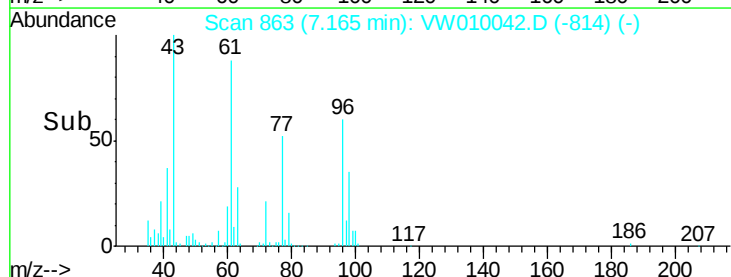
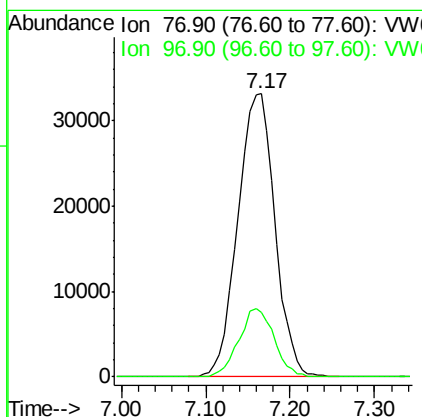
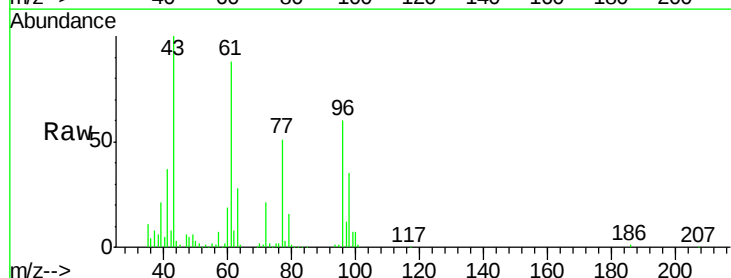
Acq: 18 Apr 2019 13:50

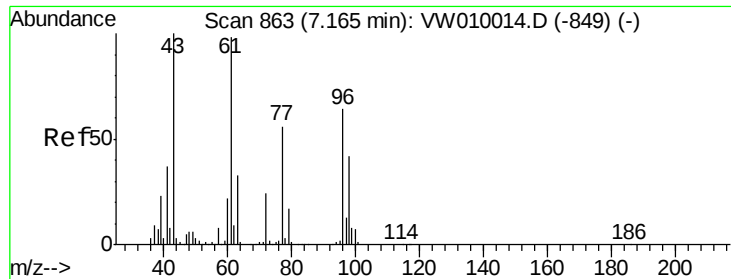
Tgt Ion: 77 Resp: 98729

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





#27

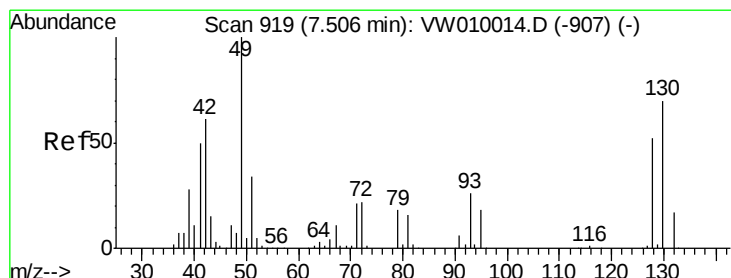
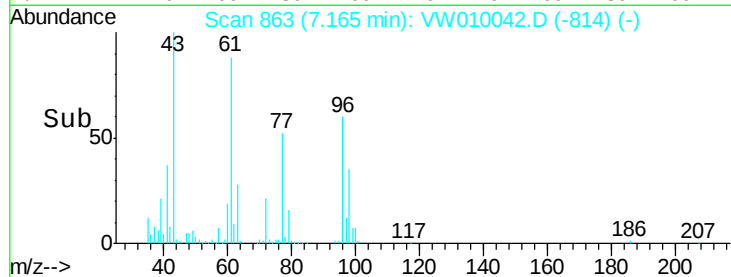
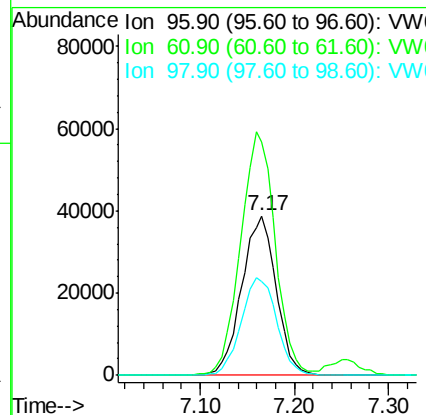
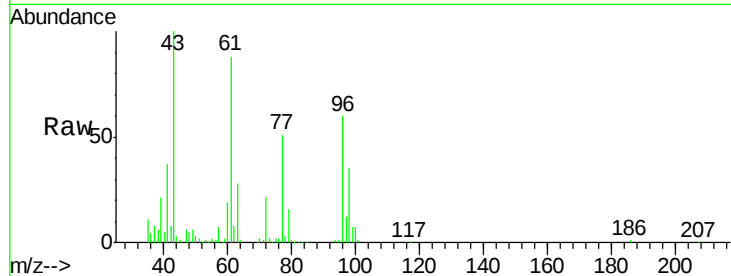
cis-1,2-Dichloroethene
Concen: 19.182 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	309.4
98	63.2	0.0	128.6

Manual Integrations
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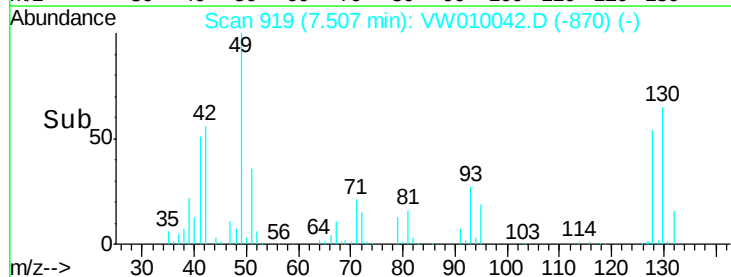
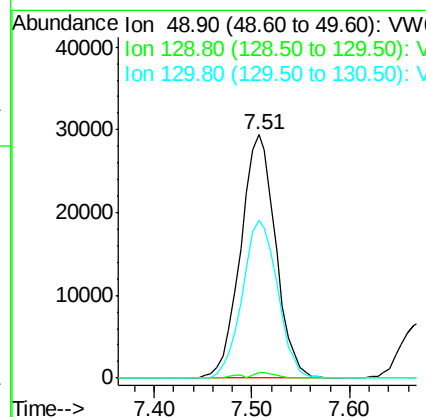
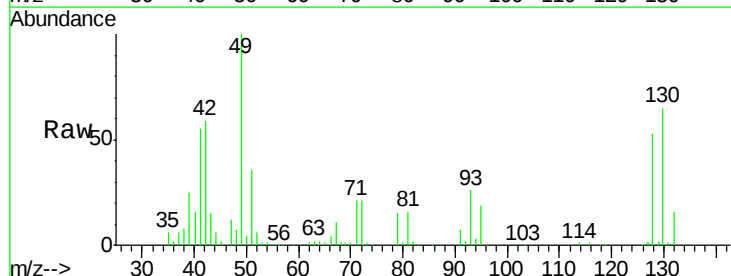
MMDadoda
4/19/2019 12:52:59 PM

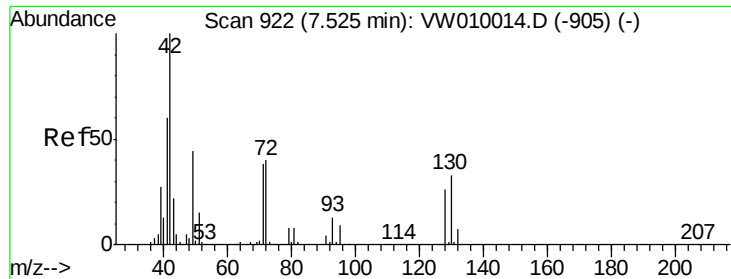


#28

Bromochloromethane
Concen: 19.046 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	65.3	54.6	82.0





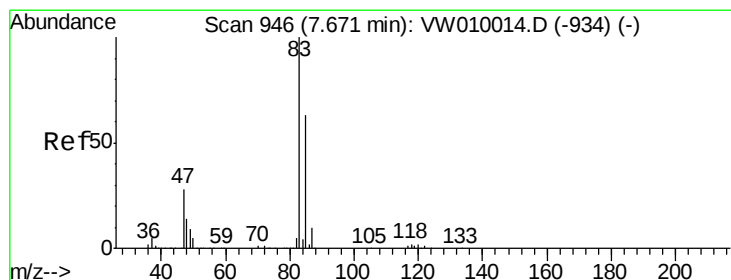
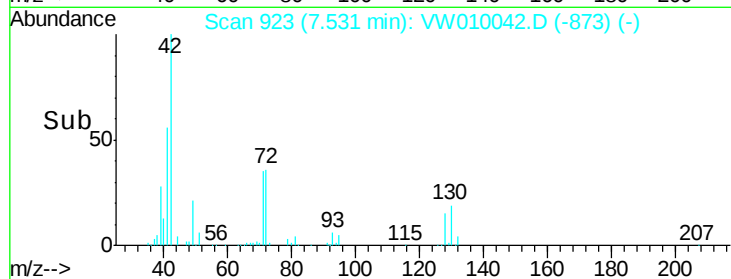
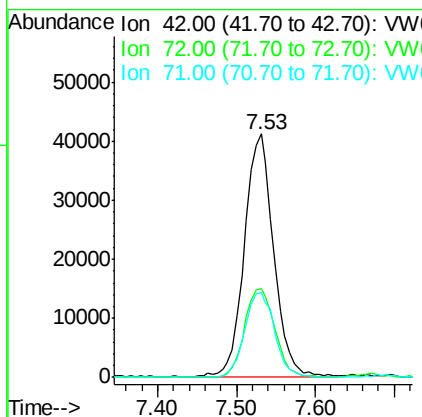
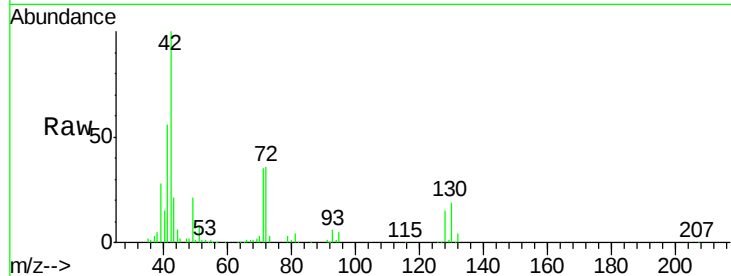
#29
Tetrahydrofuran
Concen: 102.320 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.0	46.6
71	35.3	29.7	44.5

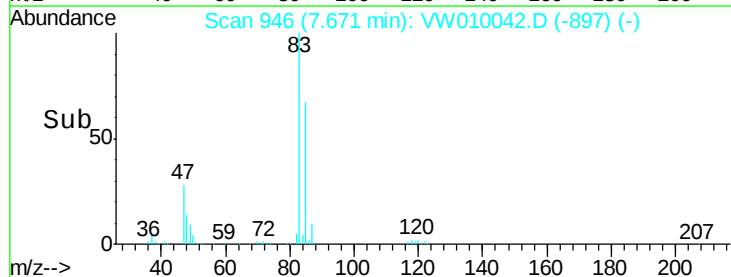
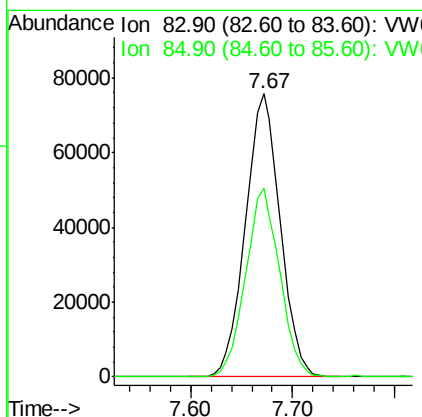
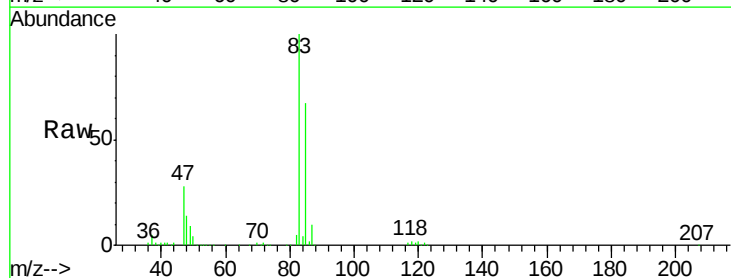
Manual Integrations
APPROVED

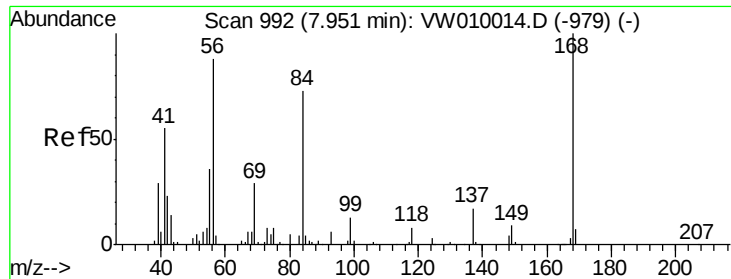
MMDadoda
4/19/2019 12:52:59 PM



#30
Chloroform
Concen: 19.151 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.7	76.1





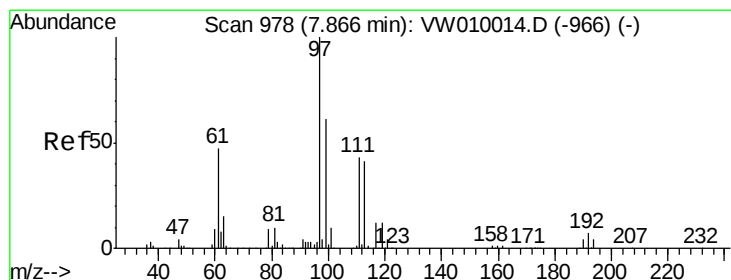
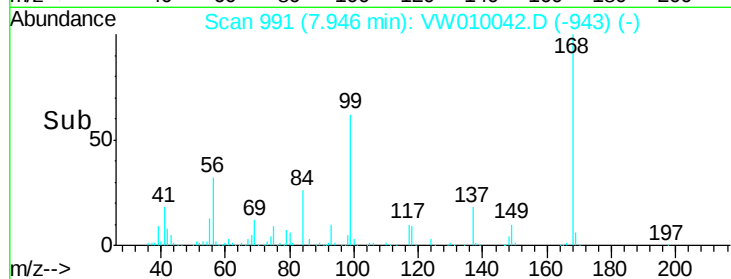
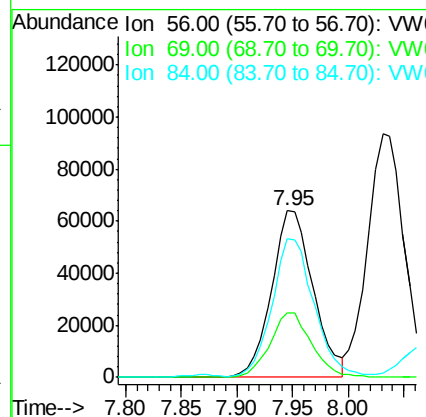
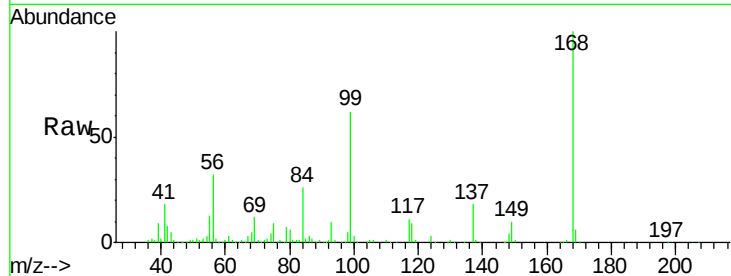
#31
Cyclohexane
Concen: 18.980 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	26.6	40.0
84	82.3	66.2	99.2

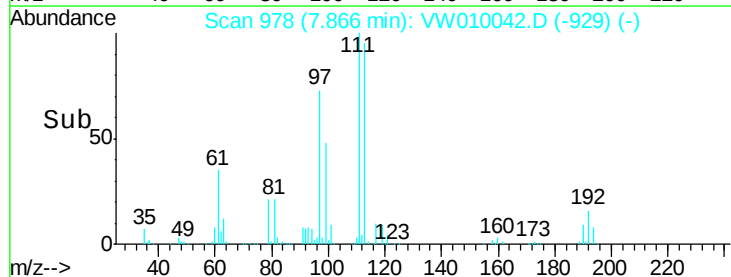
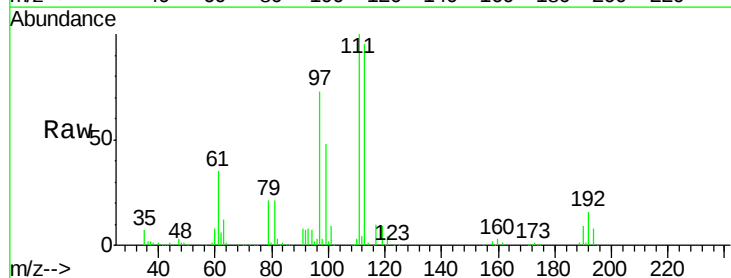
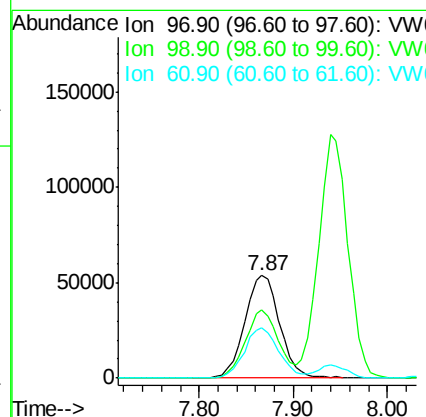
Manual Integrations
APPROVED

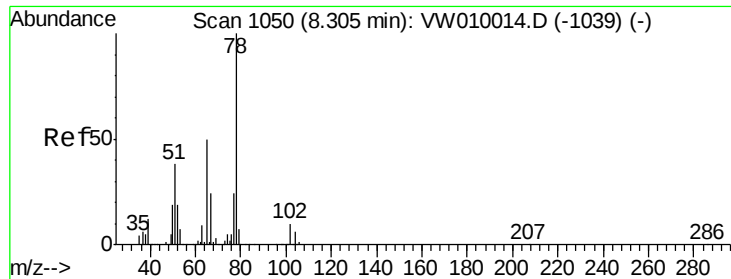
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.890 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.2
61	48.0	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 53.879 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 65 Resp: 291849

Ion Ratio Lower Upper

65 100

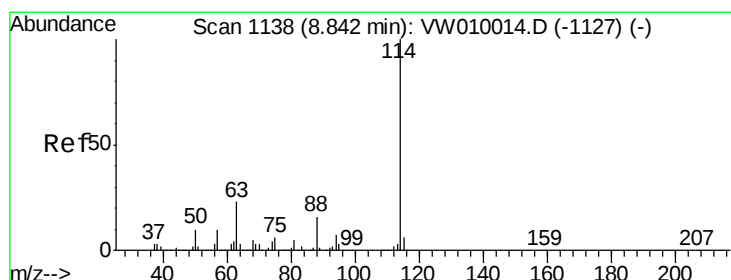
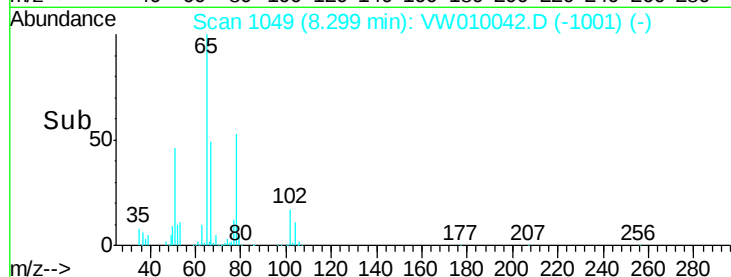
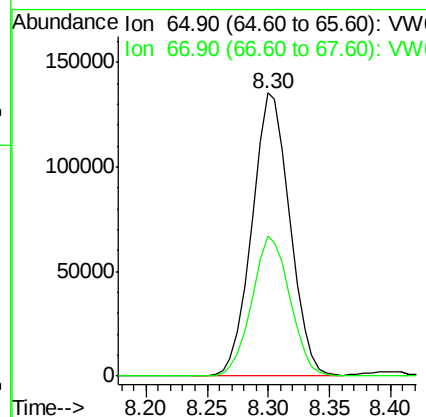
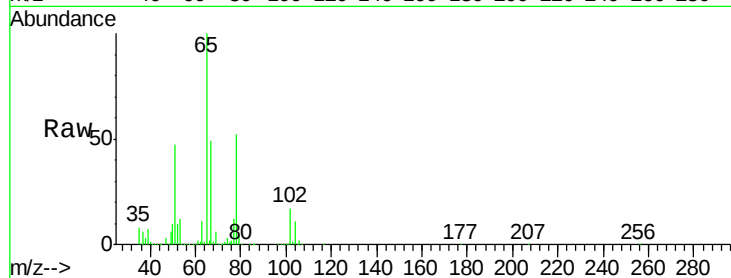
67 49.9 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

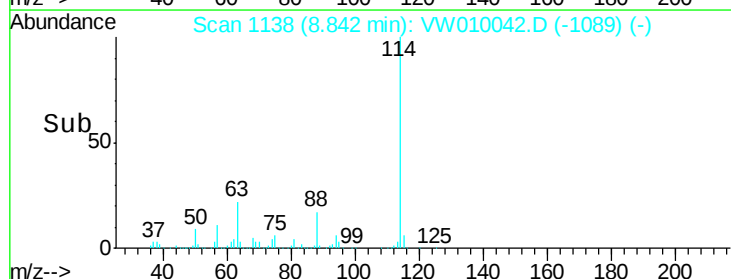
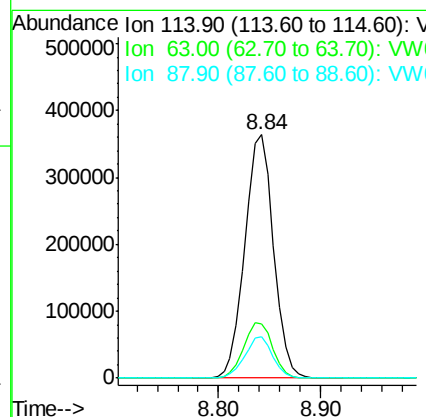
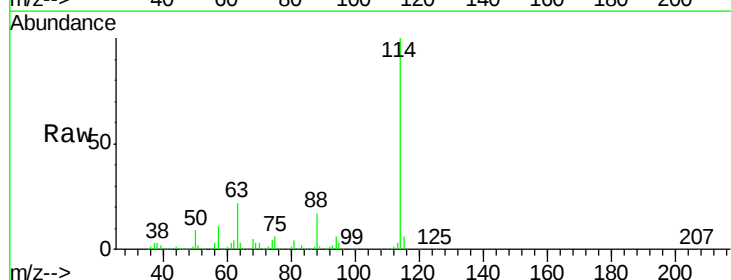
Tgt Ion: 114 Resp: 710785

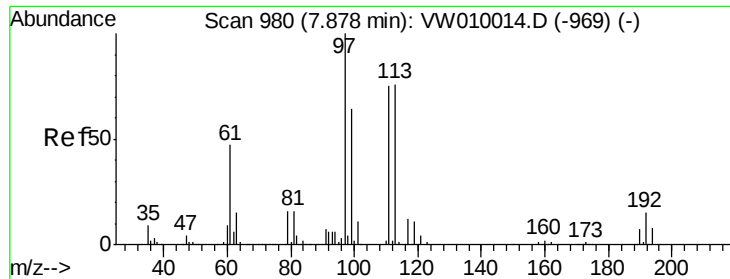
Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.2

88 16.8 0.0 32.6





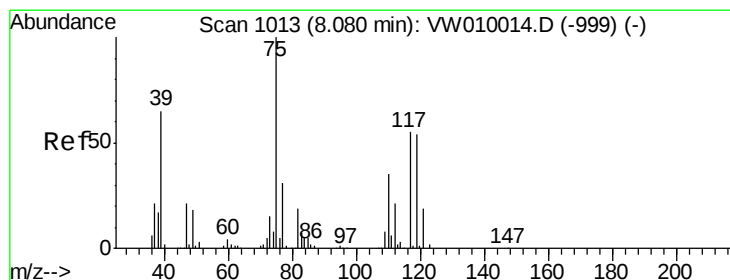
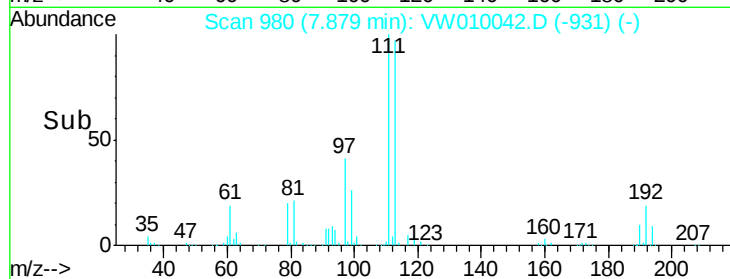
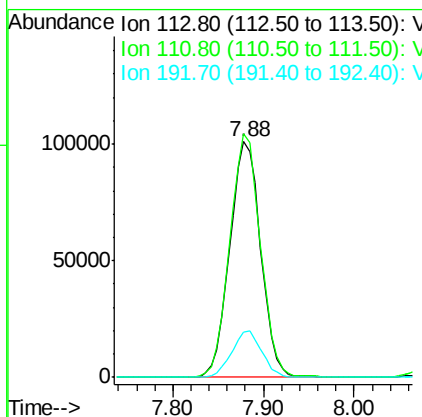
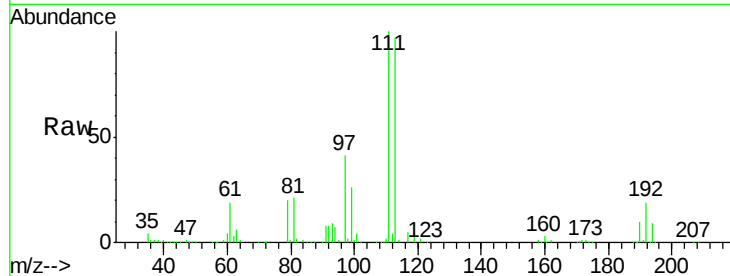
#35
 Dibromofluoromethane
 Concen: 52.881 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.6	123.8	
192	19.2	15.4	23.2	

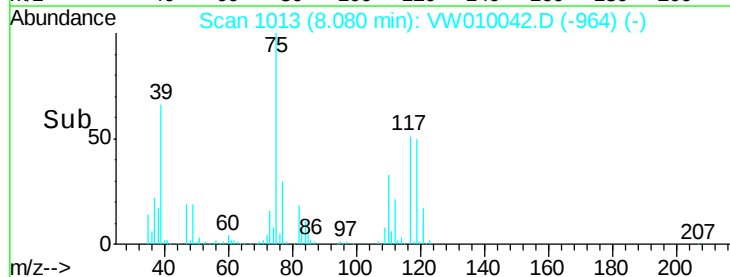
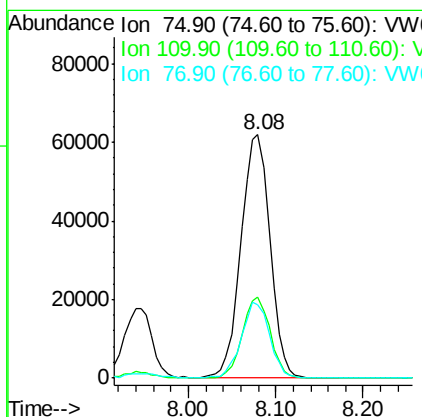
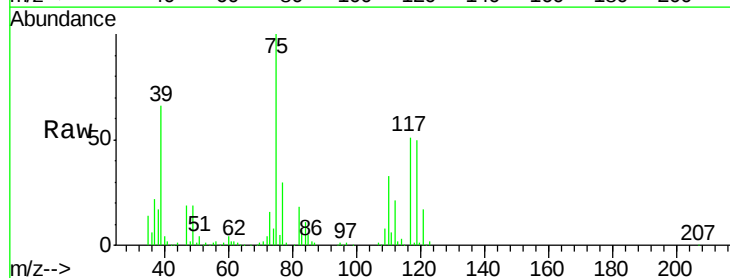
Manual Integrations
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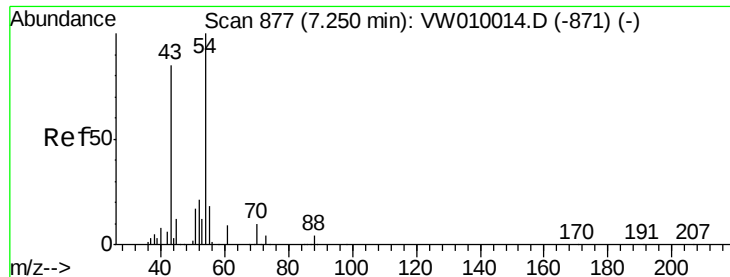
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#36
 1,1-Dichloropropene
 Concen: 19.707 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.9	16.6	49.8	
77	30.6	24.8	37.2	





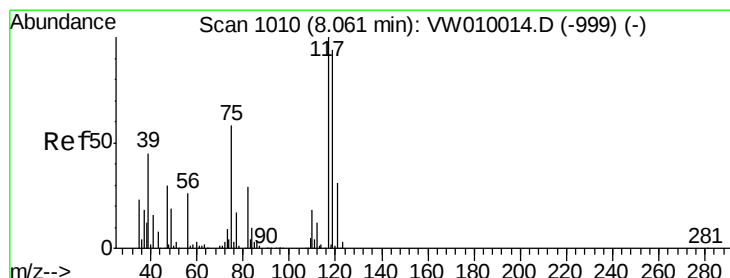
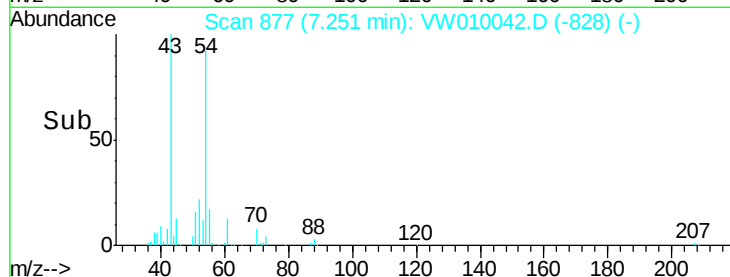
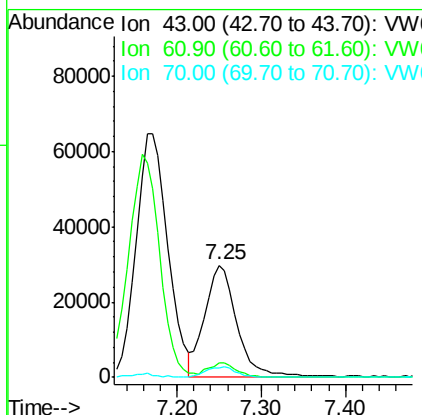
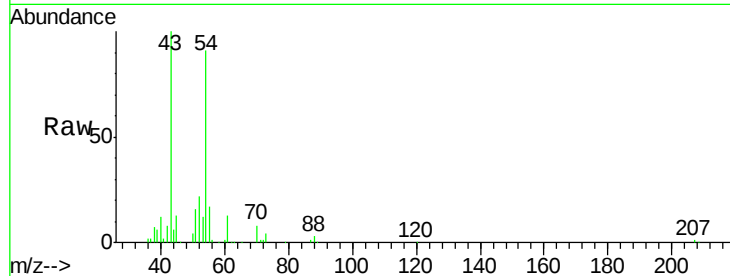
#37
Ethyl Acetate
Concen: 20.988 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	8.9	7.4	11.0

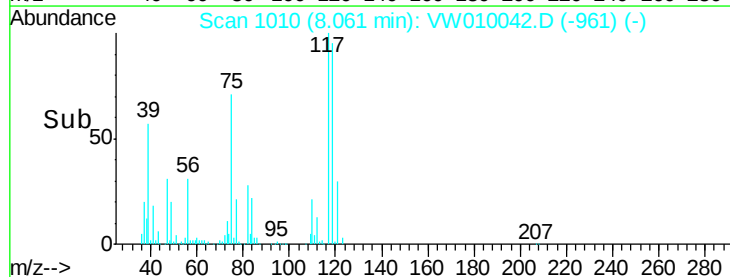
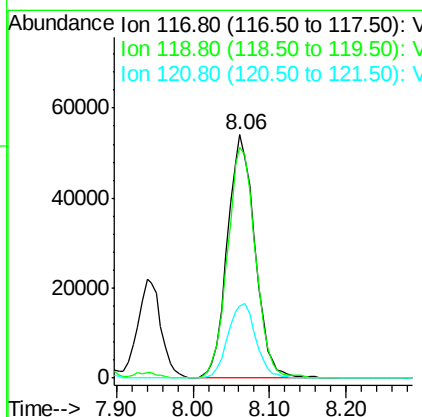
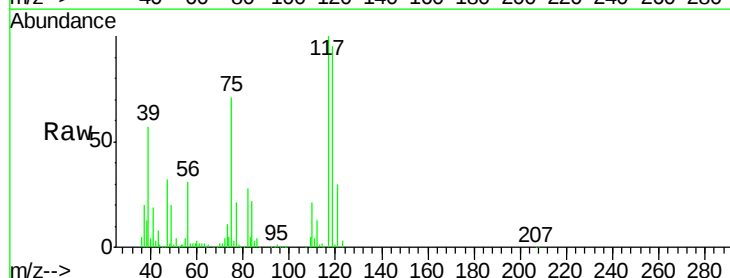
Manual Integrations
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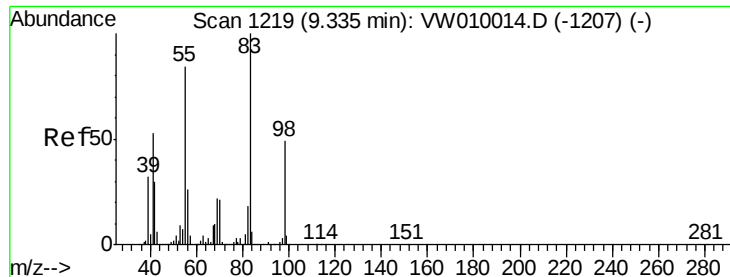
MMDadoda
4/19/2019 12:52:59 PM



#38
Carbon Tetrachloride
Concen: 19.049 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.3	112.9
121	29.7	24.4	36.6





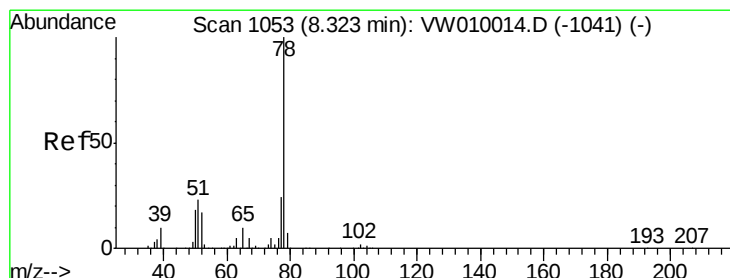
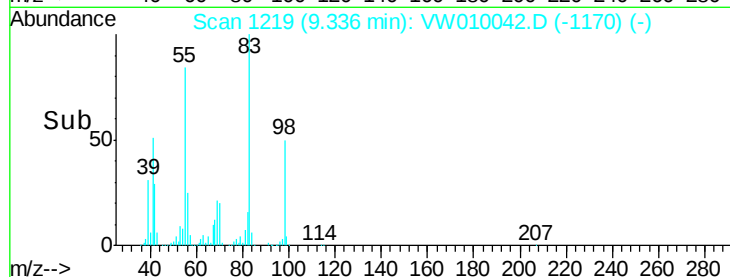
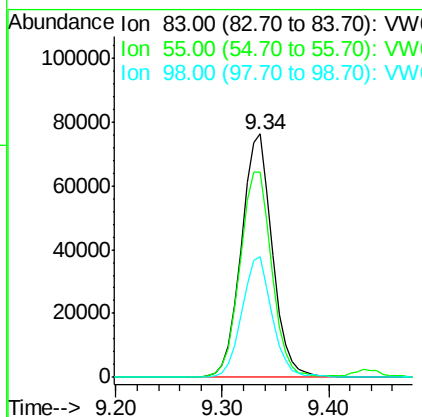
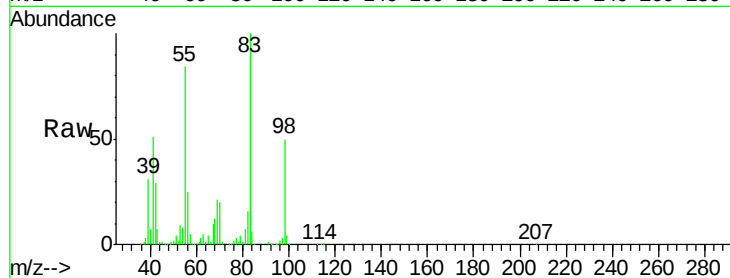
#39
Methvlcvclohexane
Concen: 18.429 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.9	67.1	100.7
98	49.6	39.2	58.8

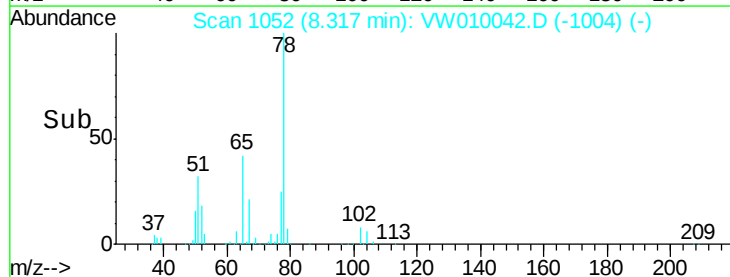
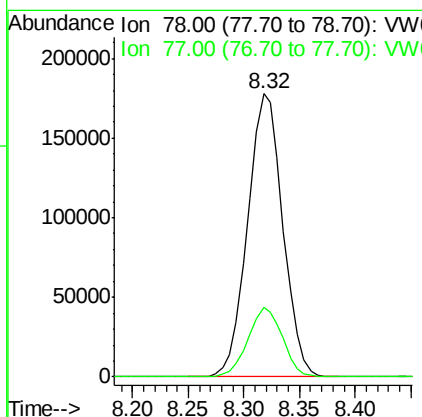
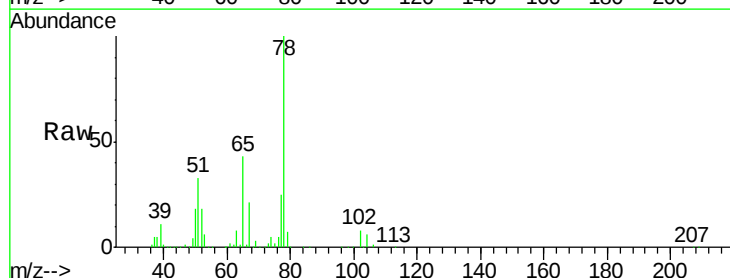
Manual Integrations
APPROVED

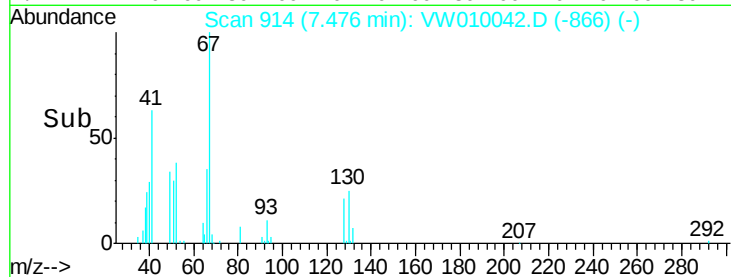
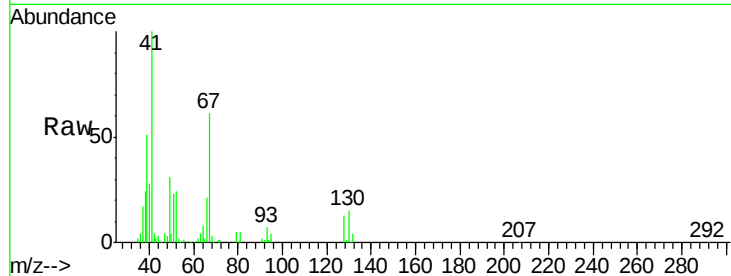
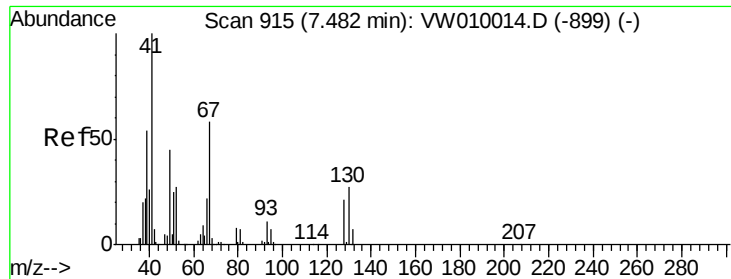
MMDadoda
4/19/2019 12:52:59 PM



#40
Benzene
Concen: 19.690 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7





#41

Methacrylonitrile

Concen: 20.688 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	43501		
39	39	62.4		45.0	67.4
67	67	61.2		50.7	76.1
52	52	28.4		22.6	33.8

Instrument :

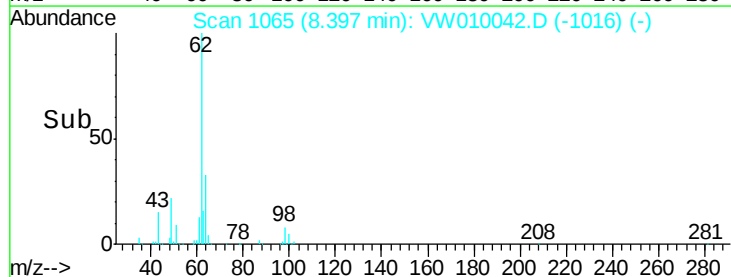
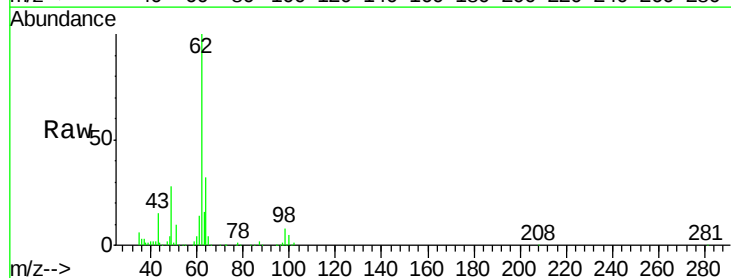
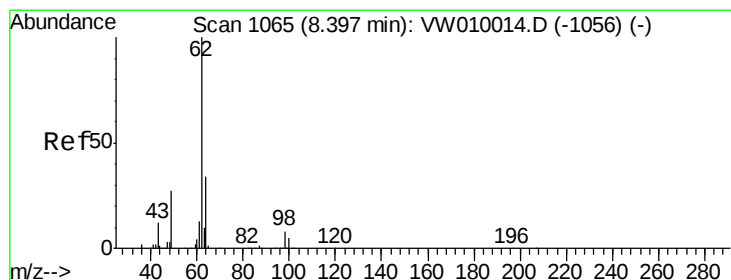
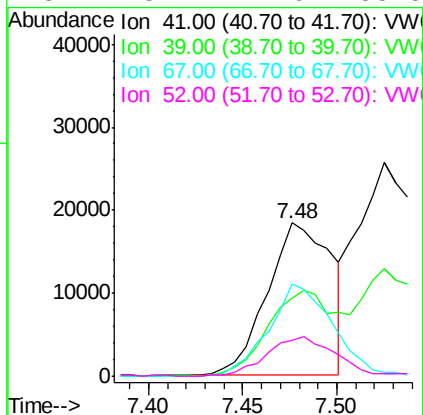
MSVOA_W

ClientSampled :

VW0418SBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.289 ug/l

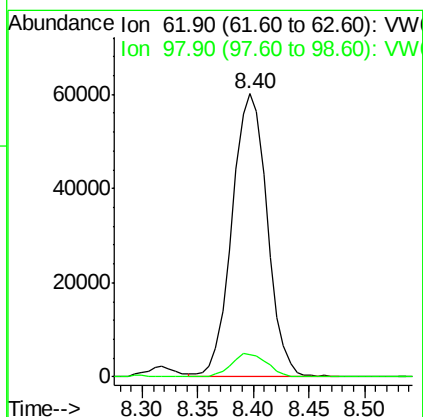
RT: 8.40 min Scan# 1065

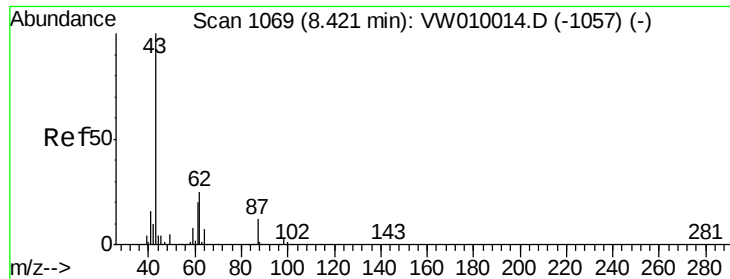
Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	131600		
98	98	8.4		0.0	16.6





#43

Isopropyl Acetate

Concen: 20.258 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

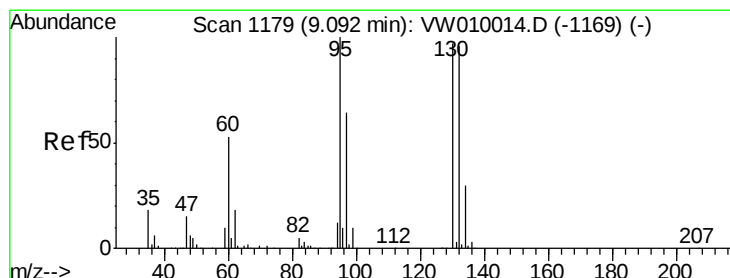
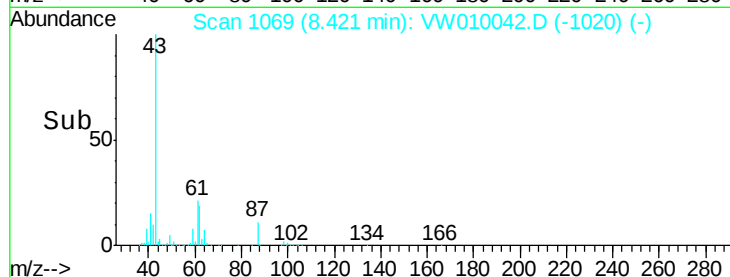
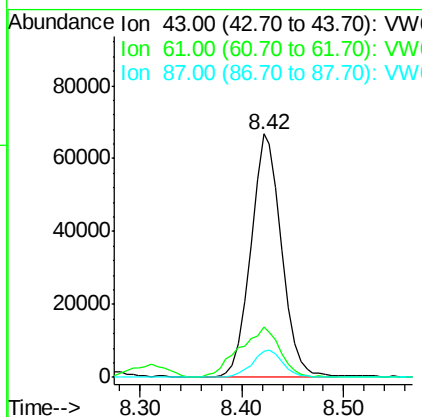
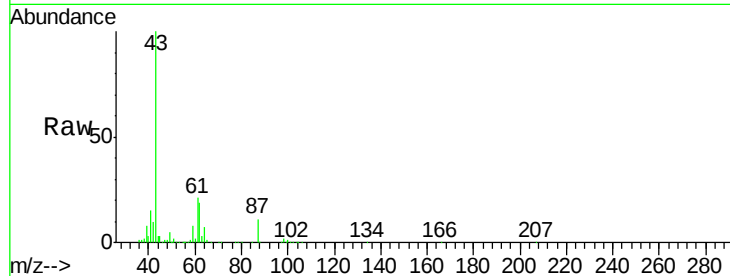
ClientSampleId :

VW0418SBS01

Tot Ion:	43	Resp:	140054
Ion	Ratio	Lower	Upper
43	100		
61	27.4	23.0	34.6
87	11.0	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.142 ug/l

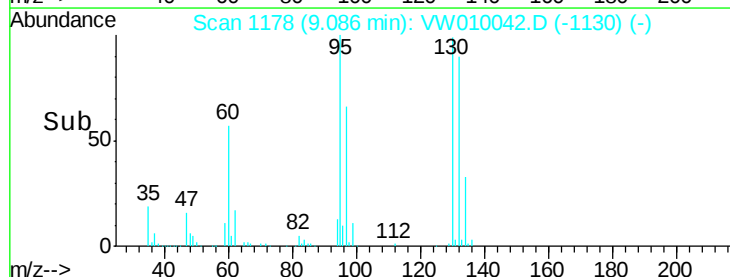
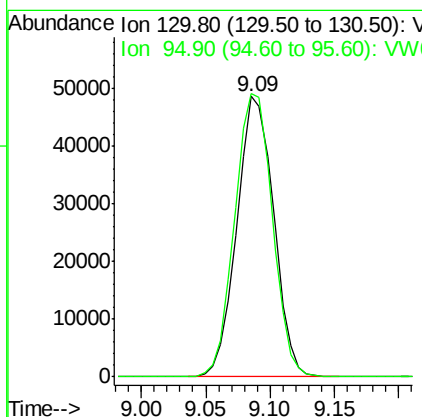
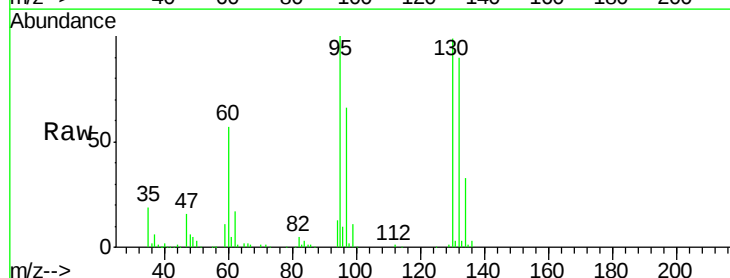
RT: 9.09 min Scan# 1178

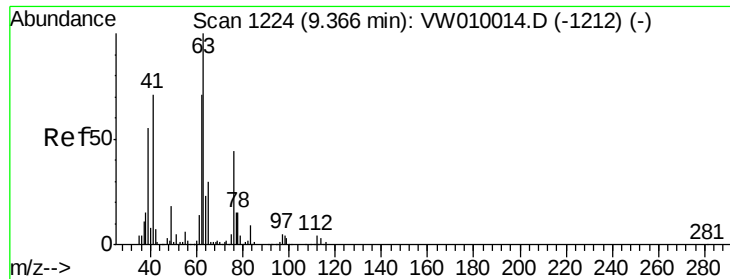
Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	130	Resp:	96519
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	205.4





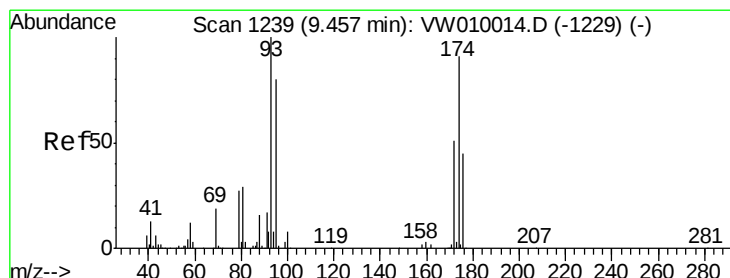
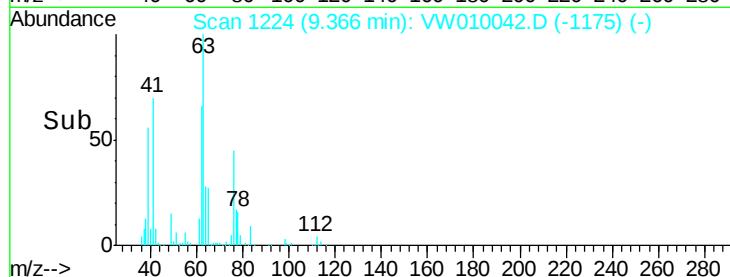
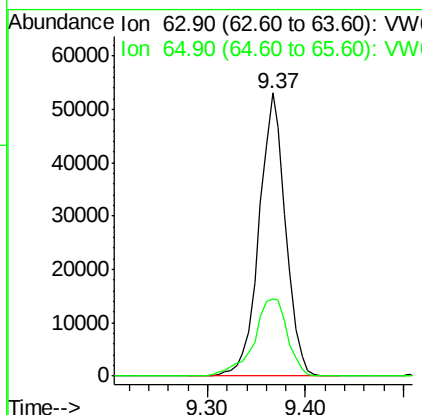
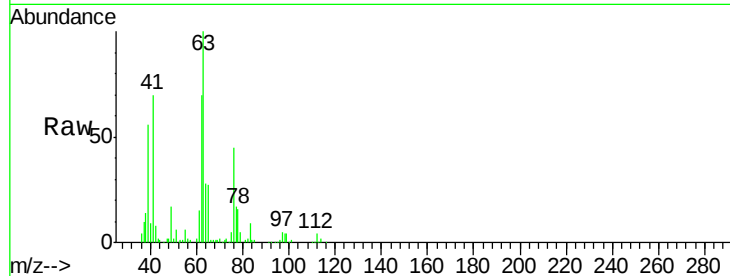
#45
 1,2-Dichloropropane
 Concen: 19.183 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.4	23.8	35.6

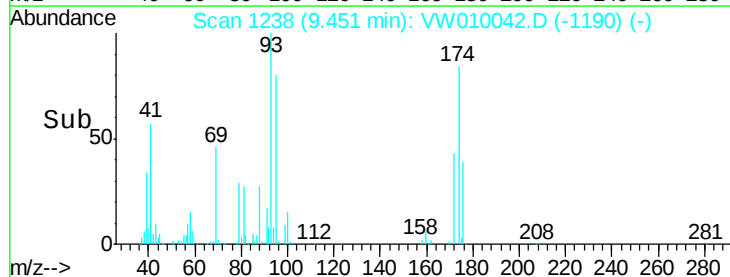
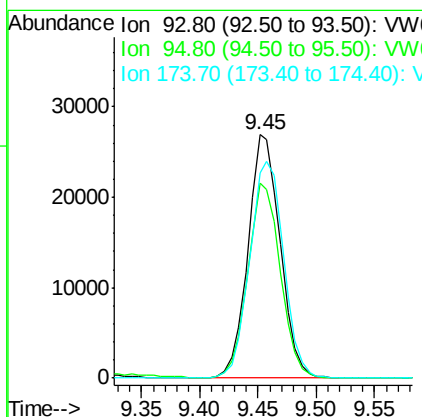
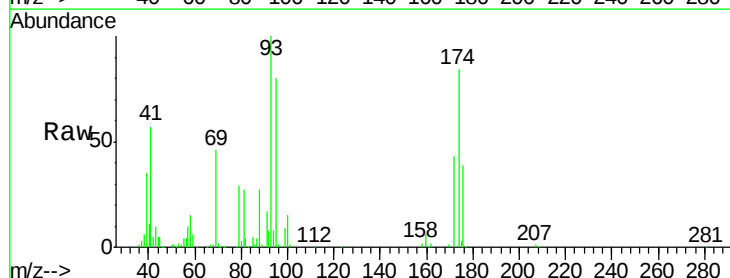
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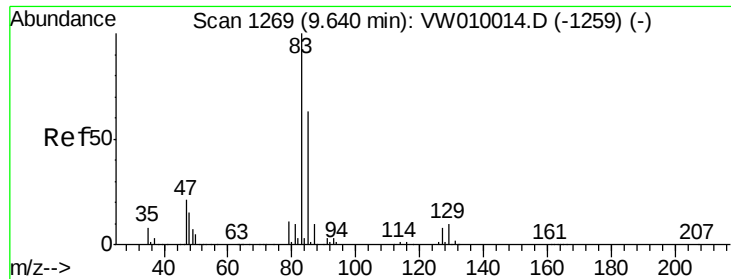
MMDadoda
 4/19/2019 12:52:59 PM



#46
 Dibromomethane
 Concen: 19.199 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.8	98.8
174	94.3	75.5	113.3





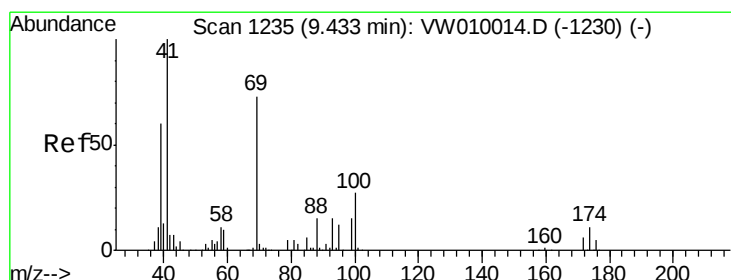
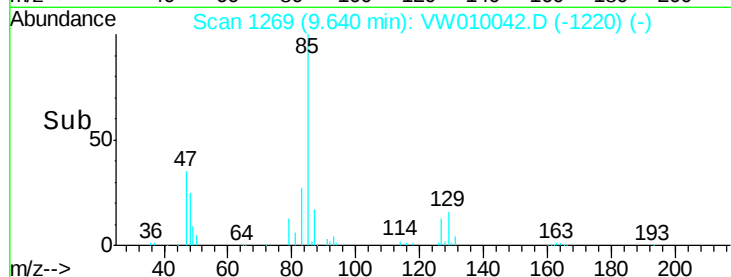
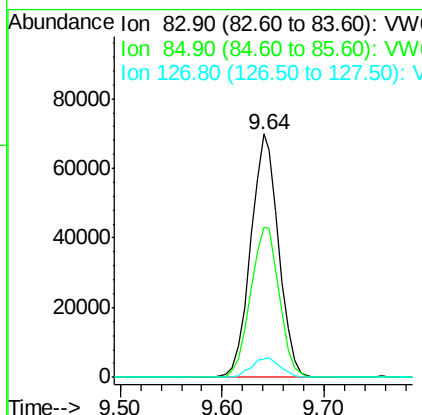
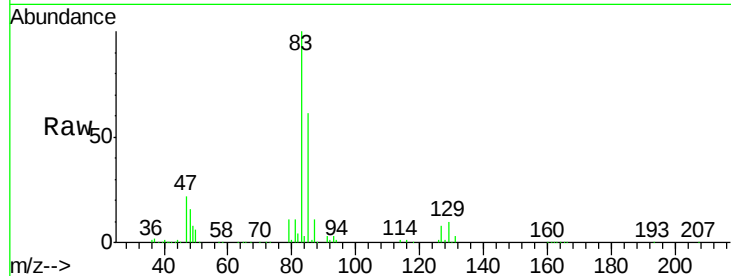
#47
Bromodichloromethane
Concen: 18.993 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132601		
85	61.4	50.6	75.8	
127	7.7	6.6	10.0	

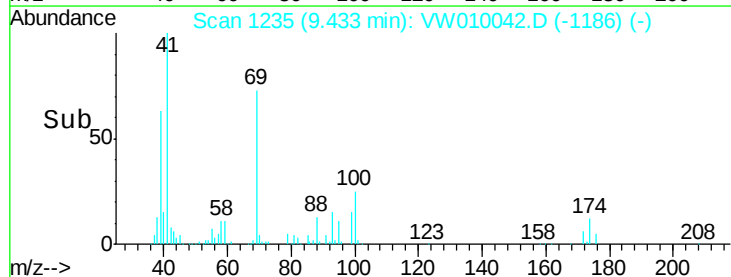
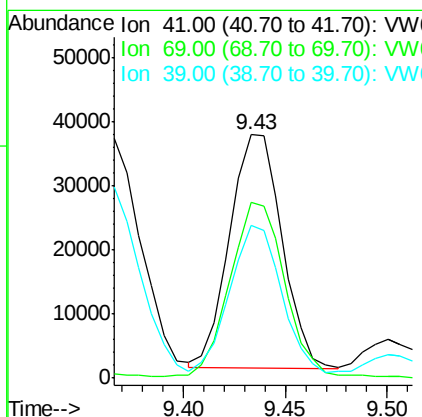
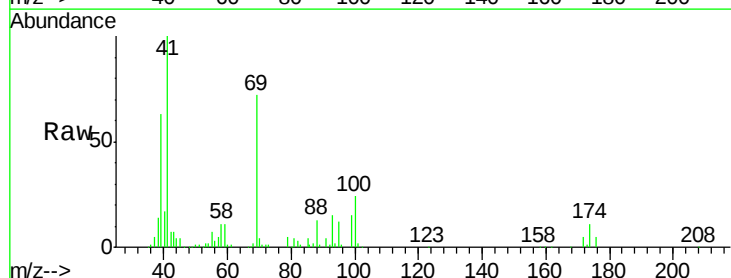
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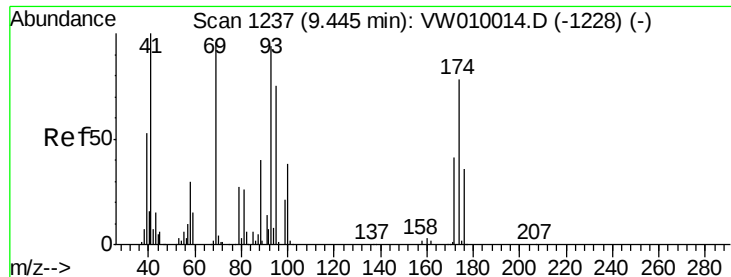
MMDadoda
4/19/2019 12:52:59 PM



#48
Methyl methacrylate
Concen: 19.223 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	64691		
69	80.0	60.1	90.1	
39	67.0	51.0	76.6	





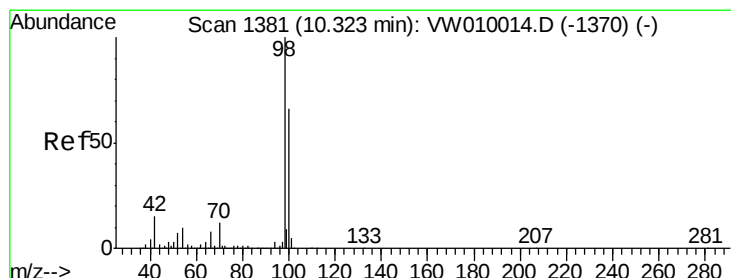
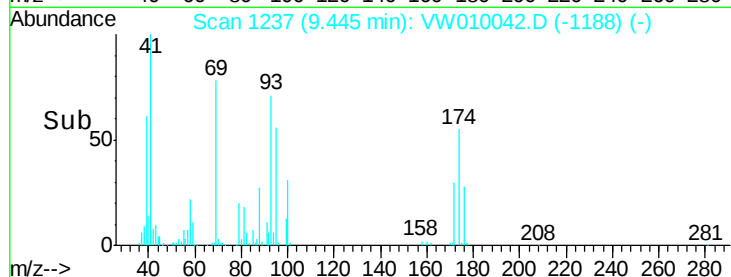
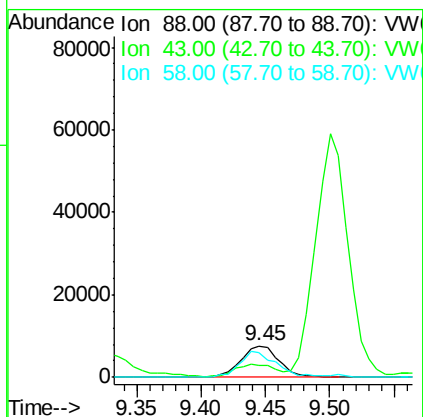
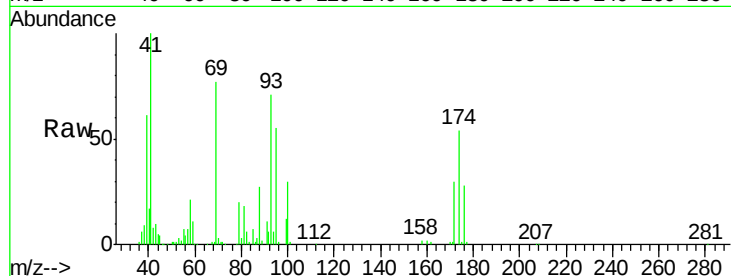
#49
1,4-Dioxane
Concen: 376.210 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	31.9	47.9
58	76.5	61.8	92.6

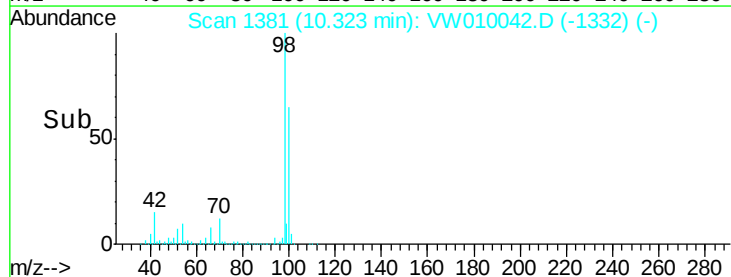
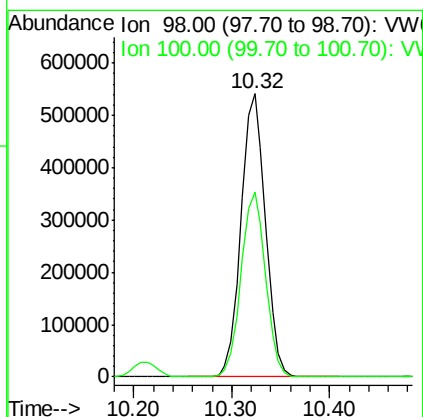
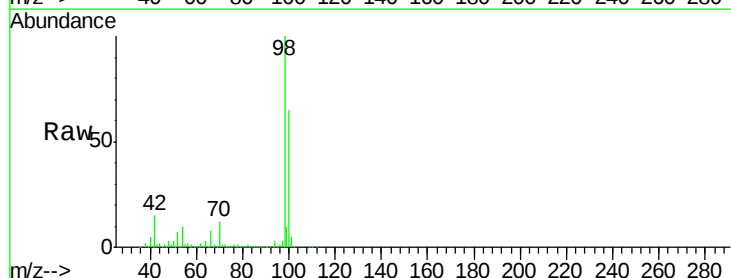
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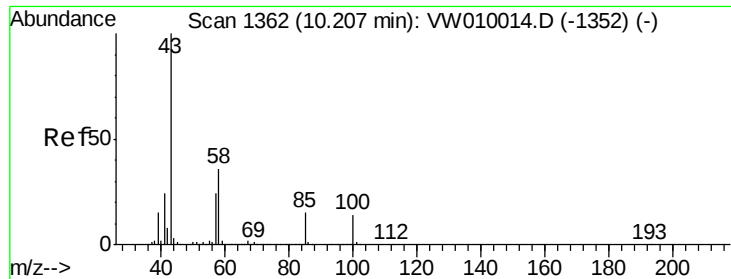
MMDadoda
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#50
Toluene-d8
Concen: 55.080 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 104.555 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 43 Resp: 378595

Ion Ratio Lower Upper

43 100

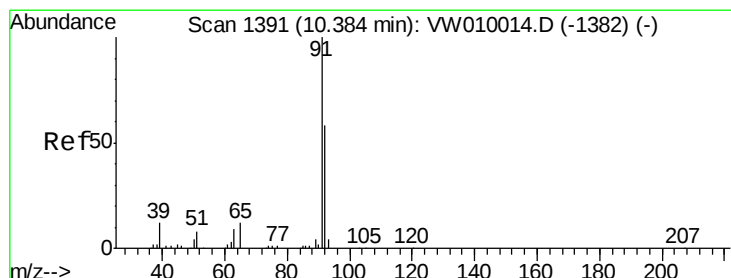
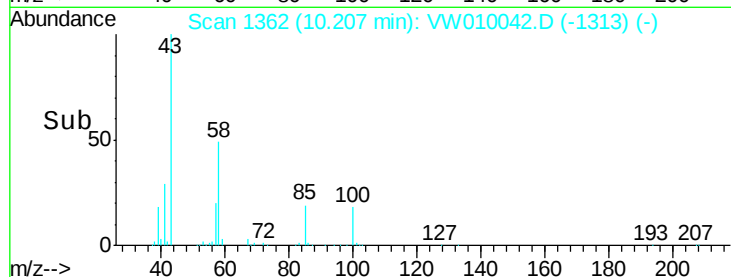
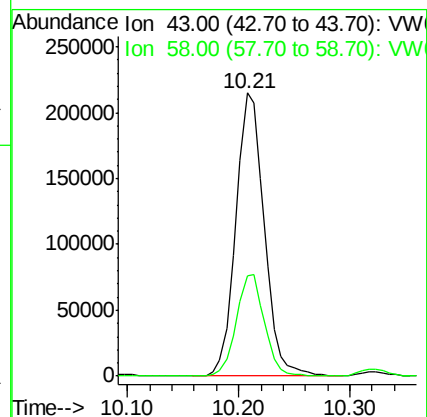
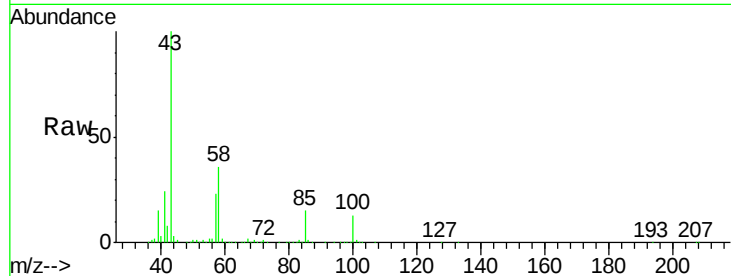
58 35.8 28.9 43.3

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#52

Toluene

Concen: 19.720 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010042.D

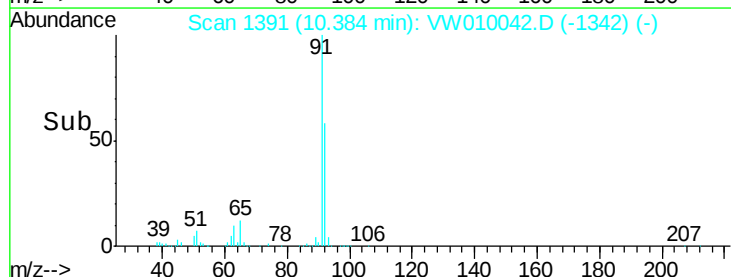
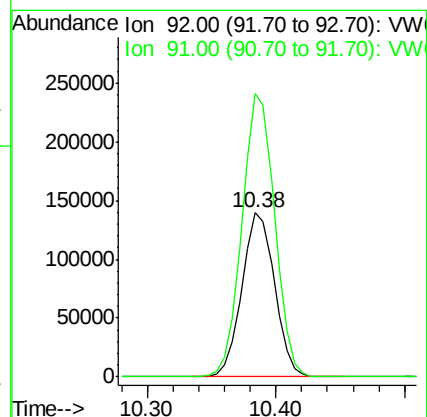
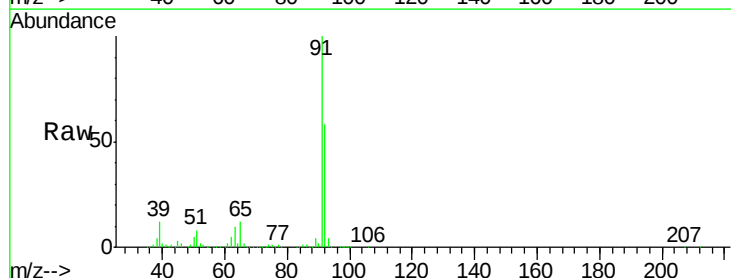
Acq: 18 Apr 2019 13:50

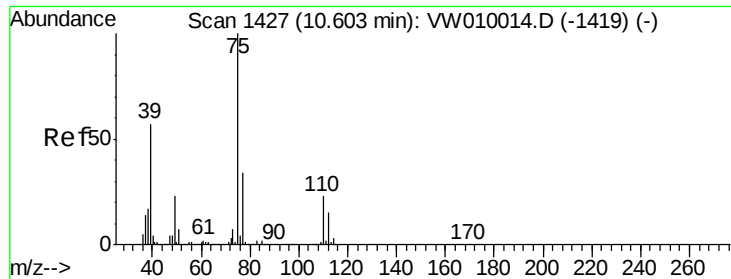
Tgt Ion: 92 Resp: 243870

Ion Ratio Lower Upper

92 100

91 172.9 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.207 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 75 Resp: 132951

Ion Ratio Lower Upper

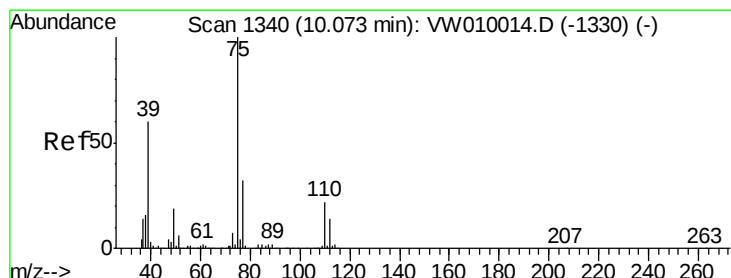
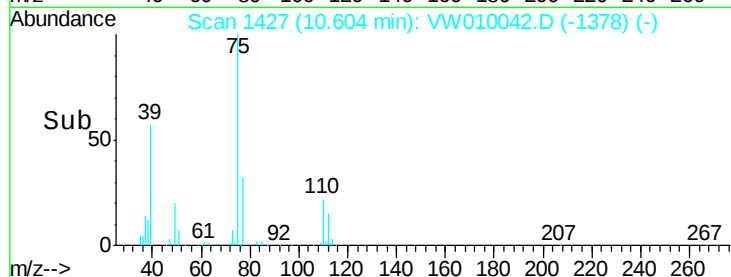
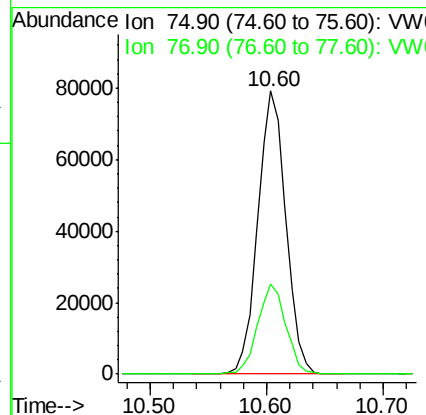
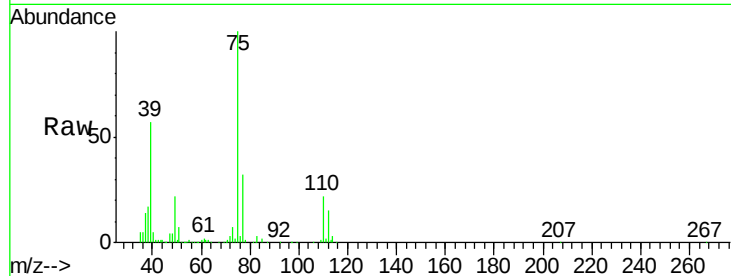
75 100

77 31.6 26.9 40.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.073 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

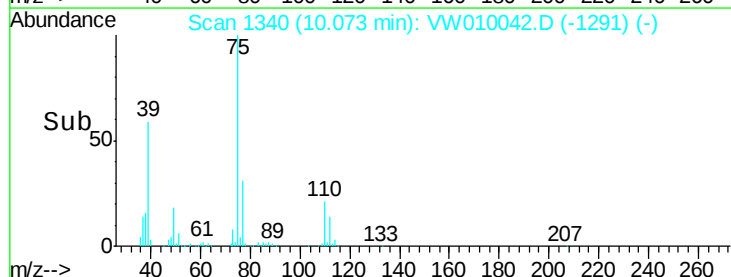
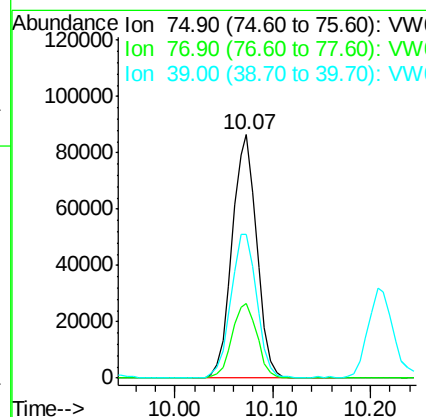
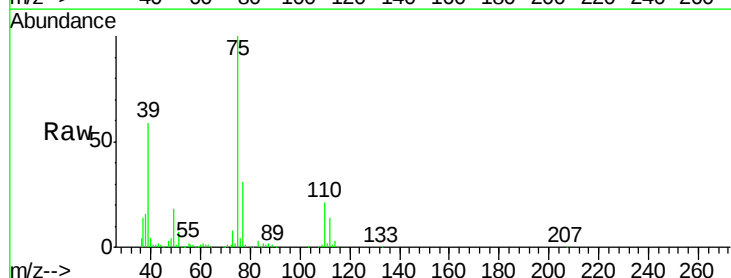
Tgt Ion: 75 Resp: 150753

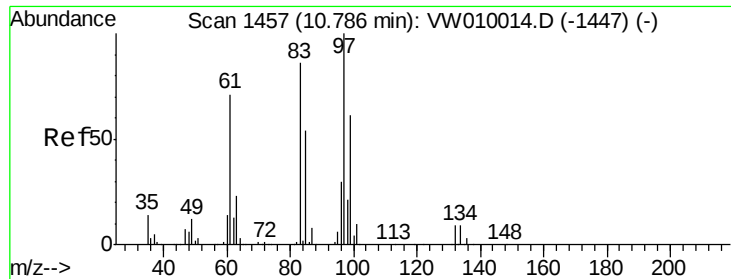
Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4

39 59.2 47.8 71.6





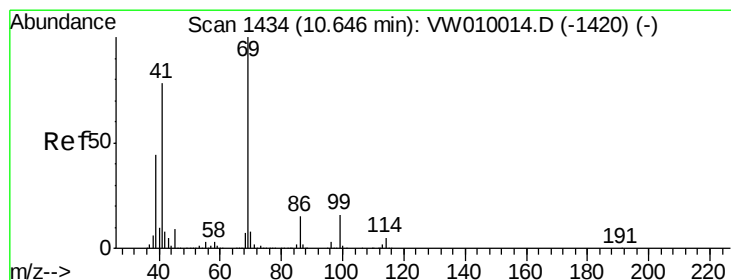
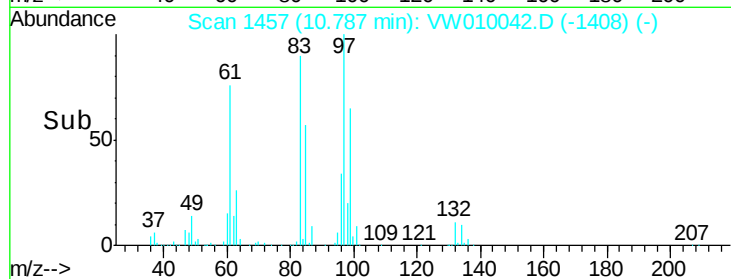
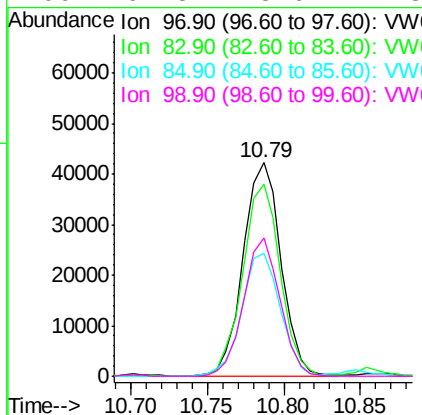
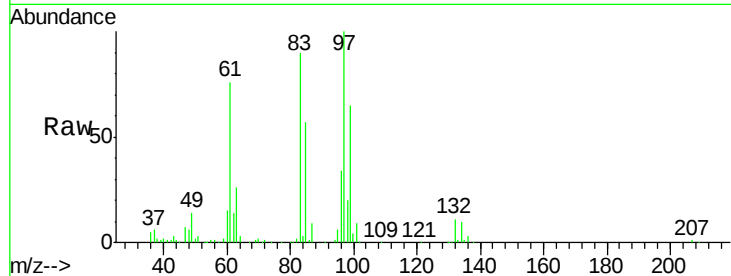
#55
 1,1,2-Trichloroethane
 Concen: 19.311 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion:	97	Resp:	72896
Ion	Ratio	Lower	Upper
97	100		
83	89.6	68.9	103.3
85	57.3	42.9	64.3
99	64.8	48.6	72.8

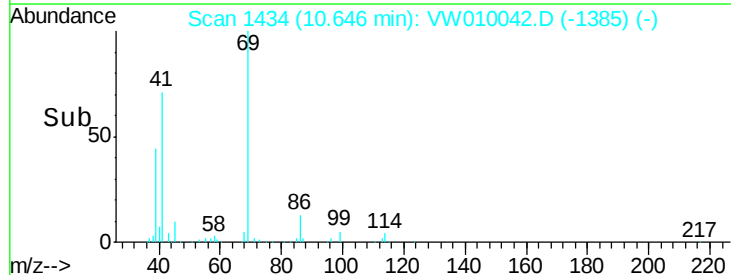
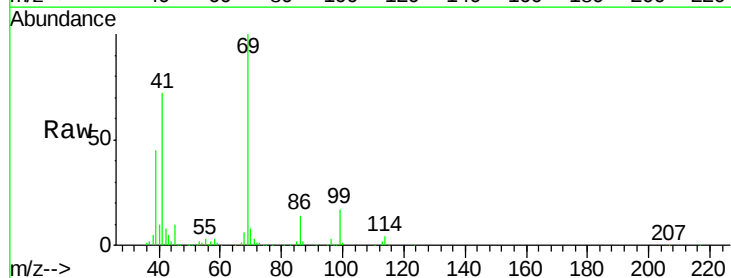
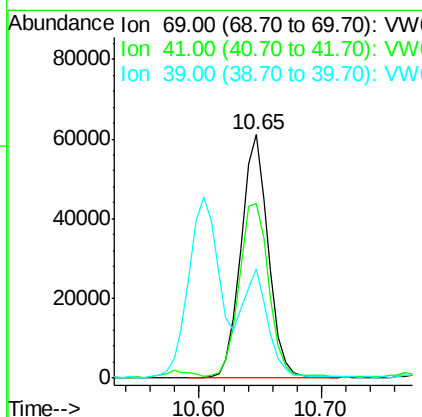
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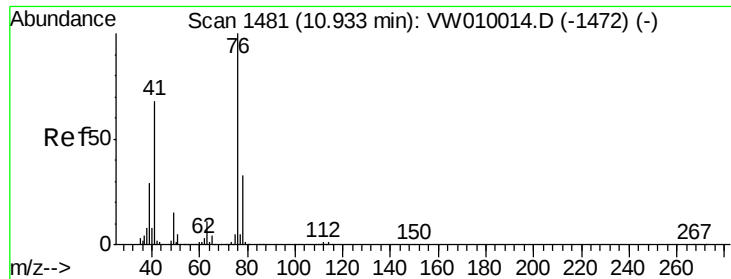
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#56
 Ethyl methacrylate
 Concen: 19.628 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion:	69	Resp:	94005
Ion	Ratio	Lower	Upper
69	100		
41	78.5	61.0	91.6
39	40.0	33.8	50.6





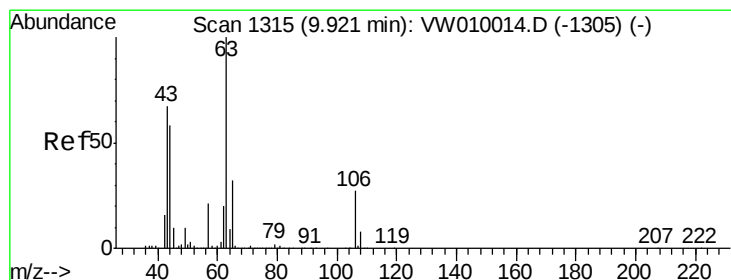
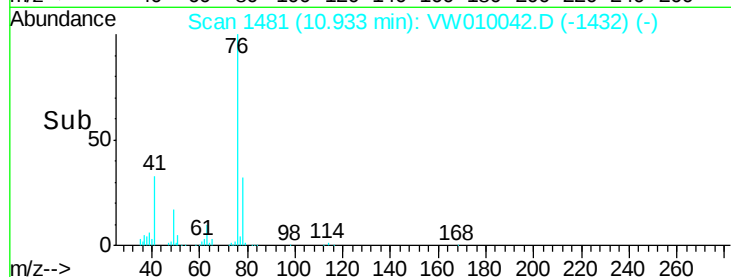
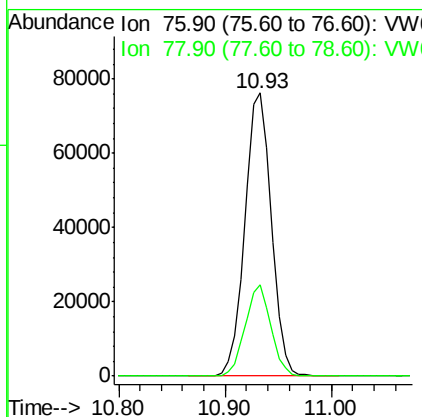
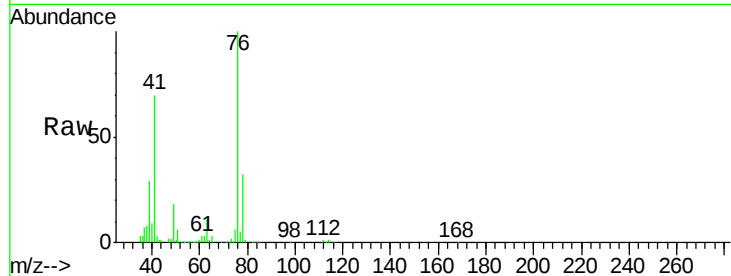
#57
 1,3-Dichloropropane
 Concen: 19.715 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion: 76 Resp: 133390
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.8 38.8

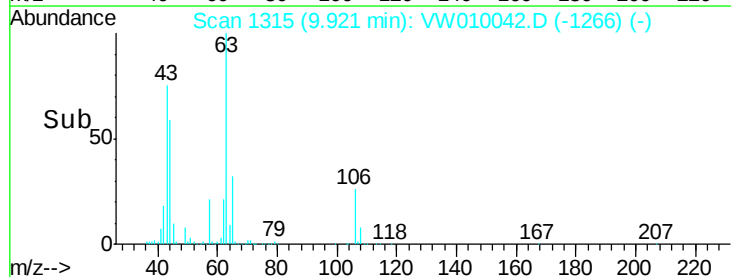
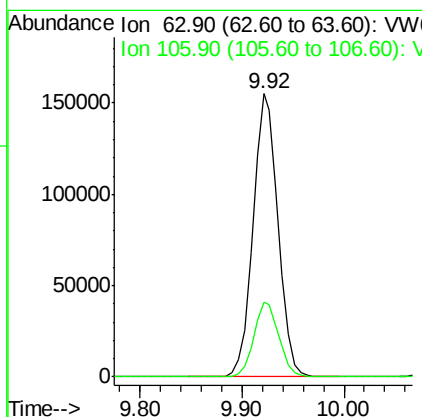
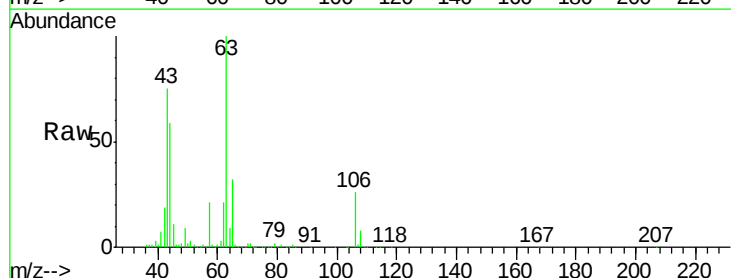
Manual Integrations
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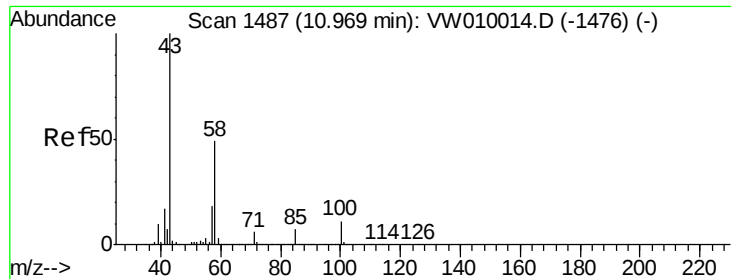
MMDadoda
 4/19/2019 12:52:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.418 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion: 63 Resp: 264851
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.4 32.0





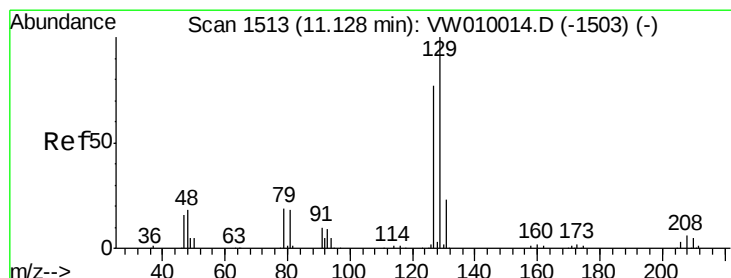
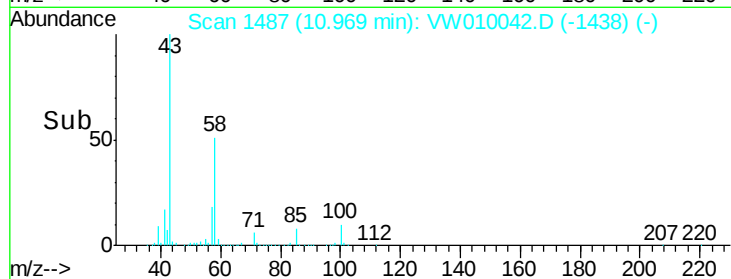
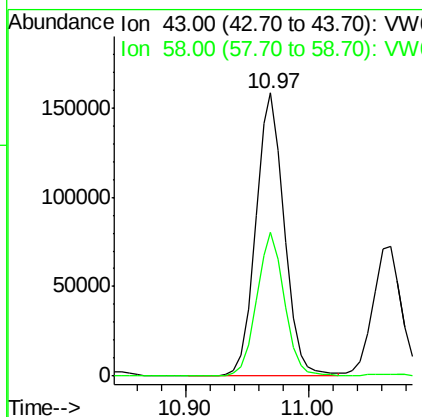
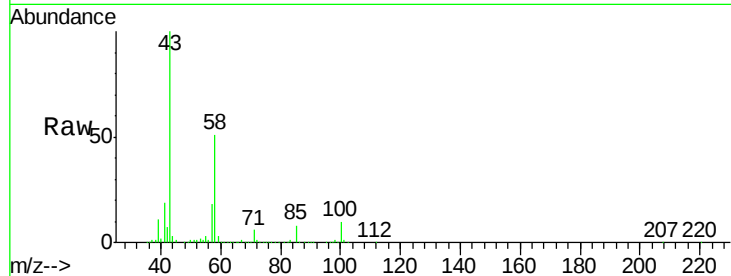
#59
2-Hexanone
Concen: 101.733 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampled :
VW0418SBSD01

Tot Ion: 43 Resp: 256431
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.7

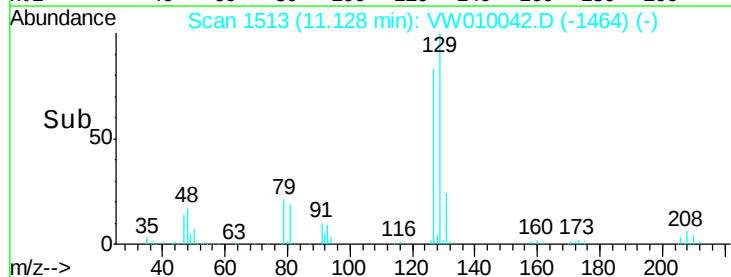
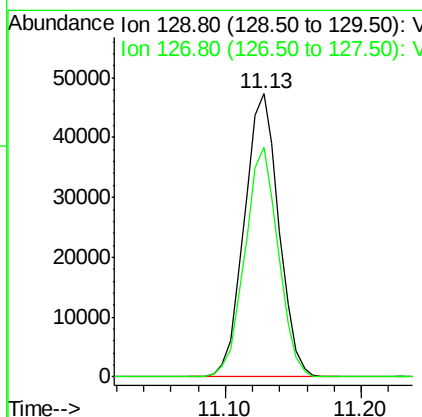
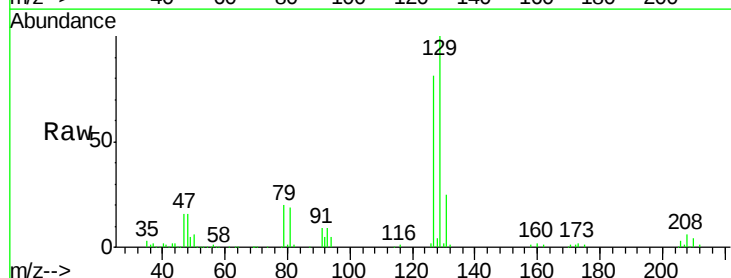
Manual Integrations
APPROVED

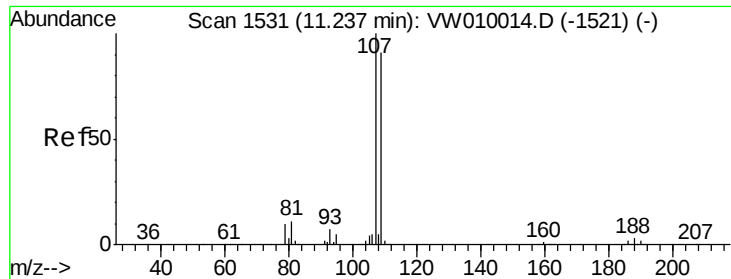
MMDadoda
4/19/2019 12:52:59 PM



#60
Dibromochloromethane
Concen: 19.215 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 129 Resp: 83836
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





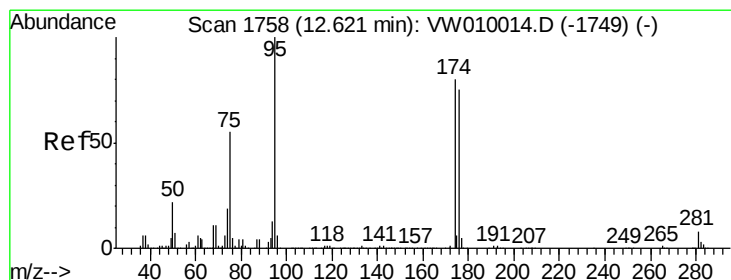
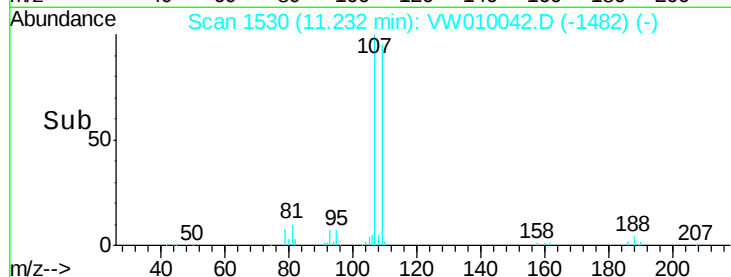
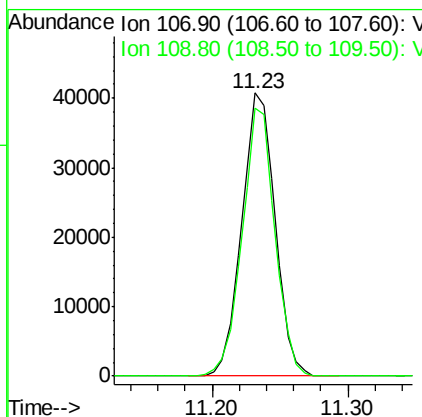
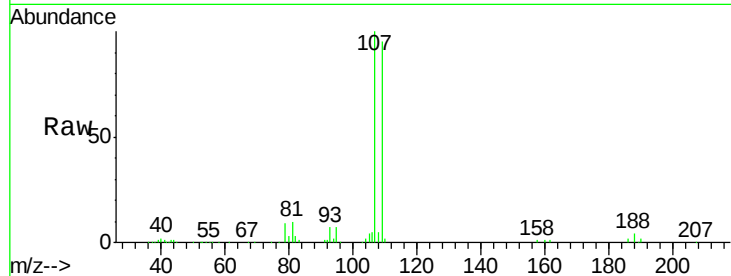
#61
 1,2-Dibromoethane
 Concen: 19.451 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.6	110.4

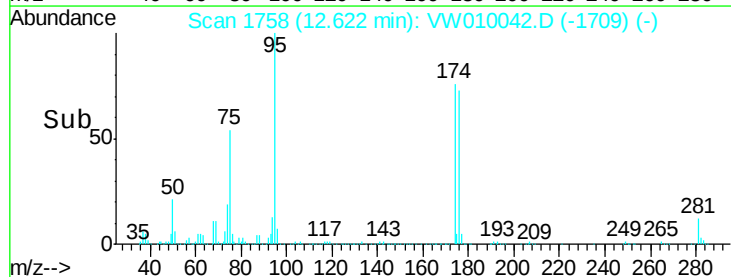
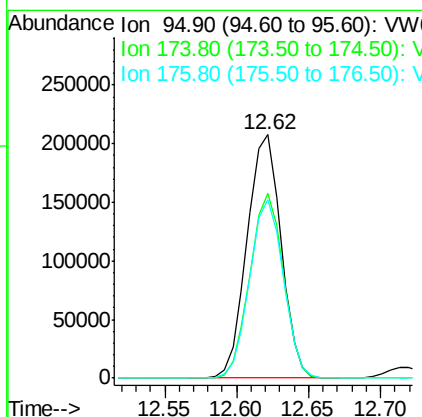
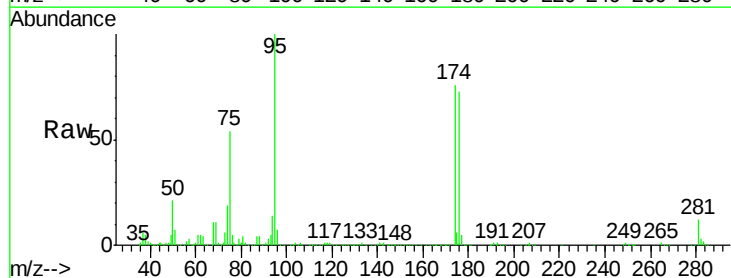
Manual Integrations
 APPROVED

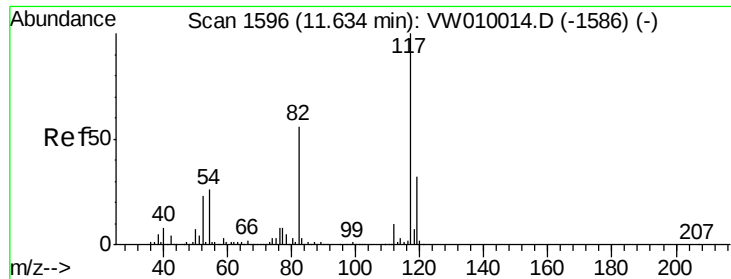
MMDadoda
 4/19/2019 12:52:59 PM



#62
 4-Bromofluorobenzene
 Concen: 55.005 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	151.4
176	72.6	0.0	146.2





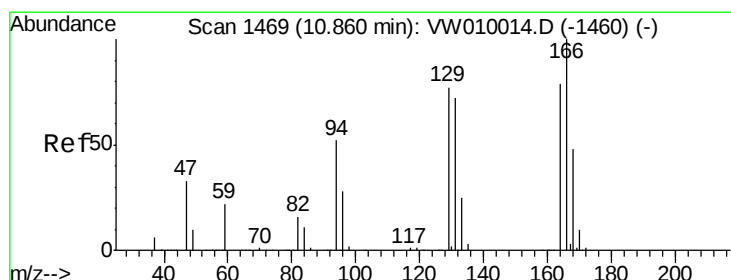
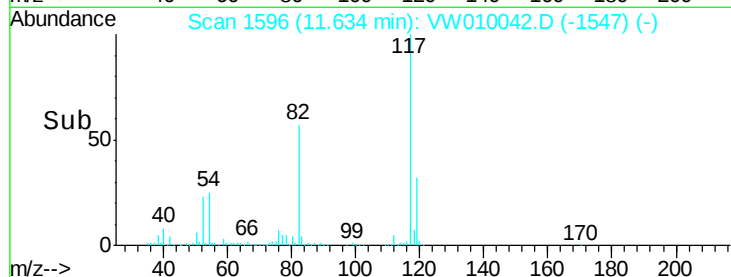
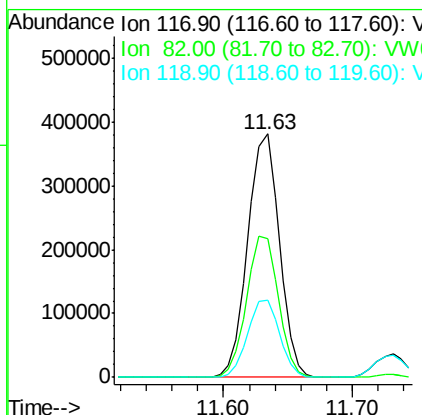
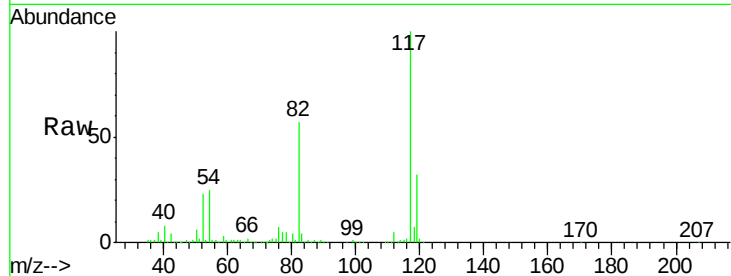
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	648176		
82	57.1		45.2	67.8
119	31.5		25.4	38.2

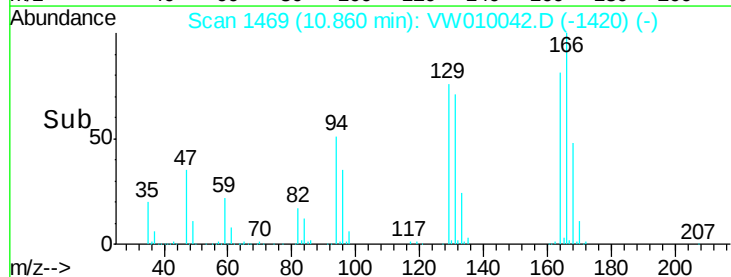
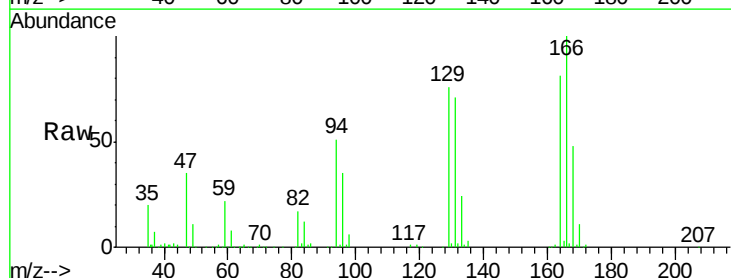
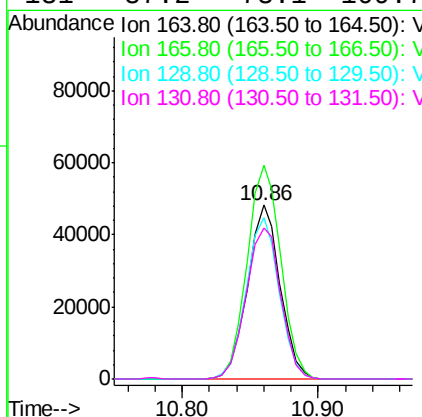
Manual Integrations
APPROVED

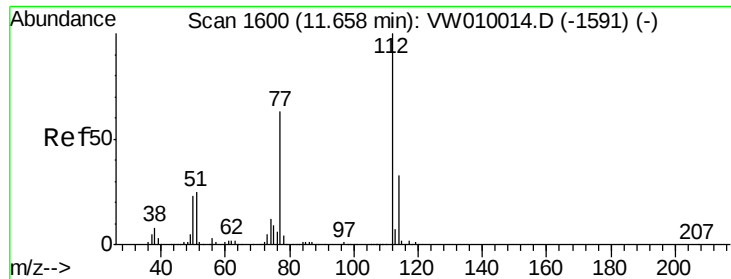
MMDadoda
4/19/2019 12:52:59 PM



#64
Tetrachloroethene
Concen: 19.271 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81086		
166	123.0		101.2	151.8
129	93.0		77.8	116.6
131	87.2		73.1	109.7





#65

Chlorobenzene

Concen: 19.661 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampled :

VW0418SBS01

Tot Ion:112 Resp: 260837

Ion Ratio Lower Upper

112 100

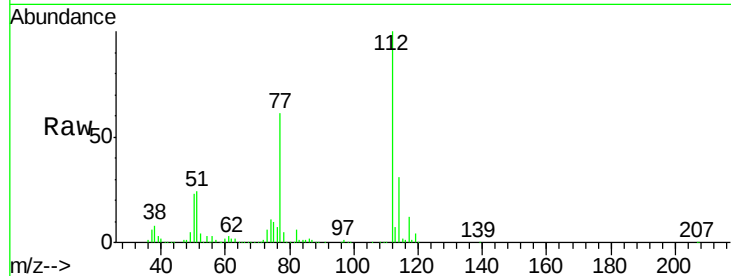
114 30.9 26.5 39.7

Manual Integrations

APPROVED

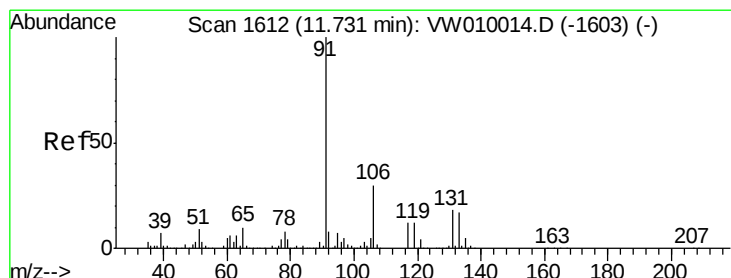
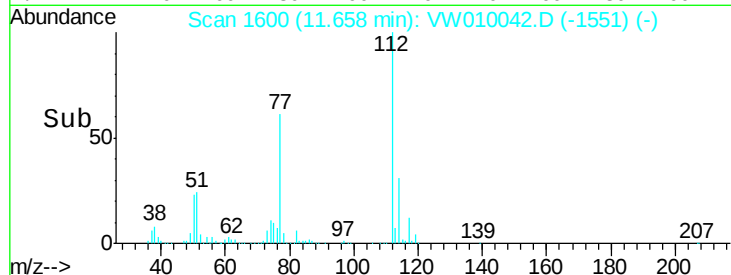
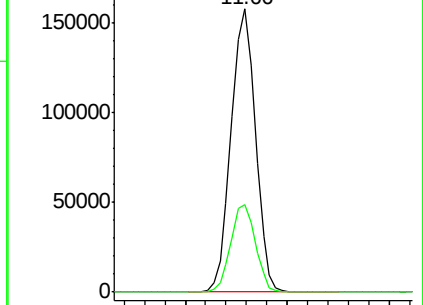
MMDadoda

4/19/2019 12:52:59 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.608 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

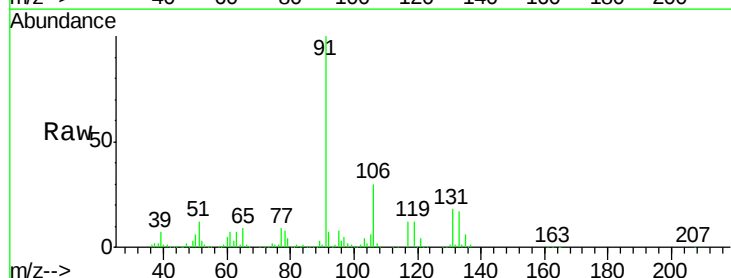
Tgt Ion:131 Resp: 93022

Ion Ratio Lower Upper

131 100

133 92.8 46.5 139.5

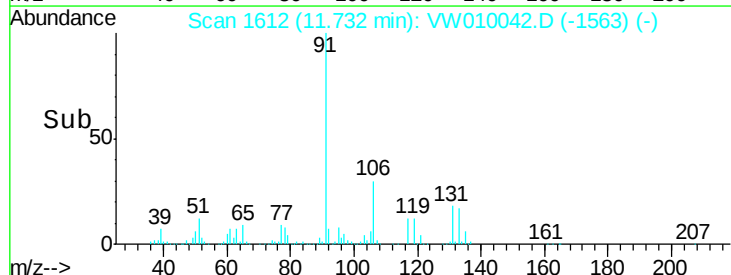
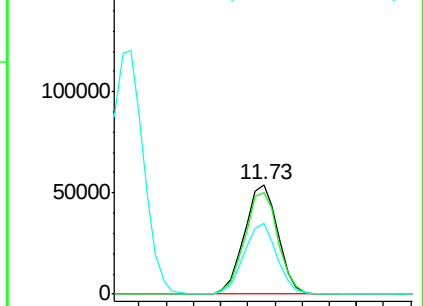
119 63.2 31.9 95.5

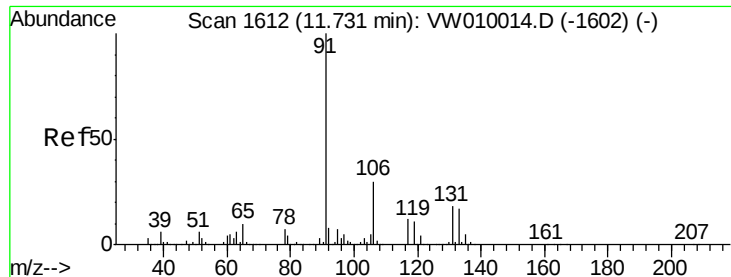


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





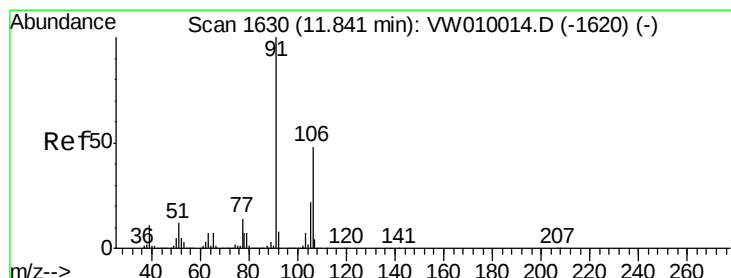
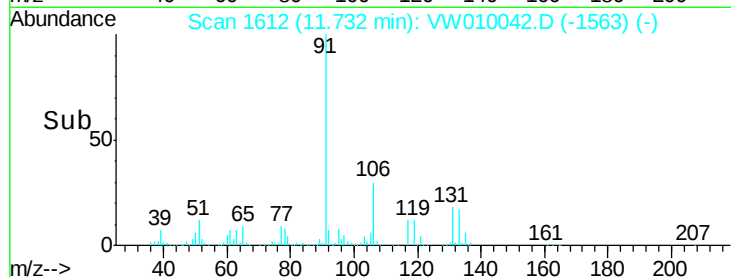
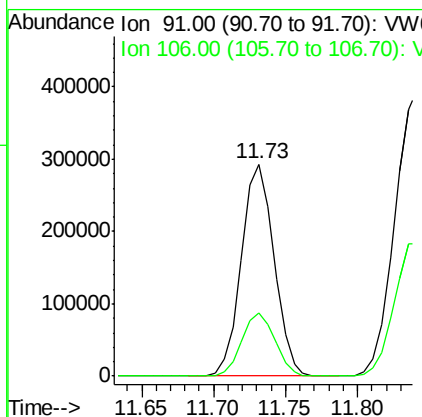
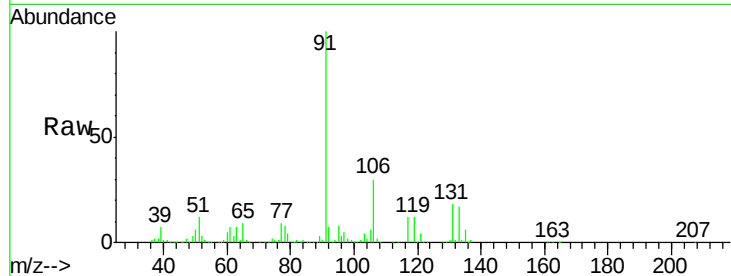
#67
Ethyl Benzene
Concen: 19.550 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion: 91 Resp: 462739
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8

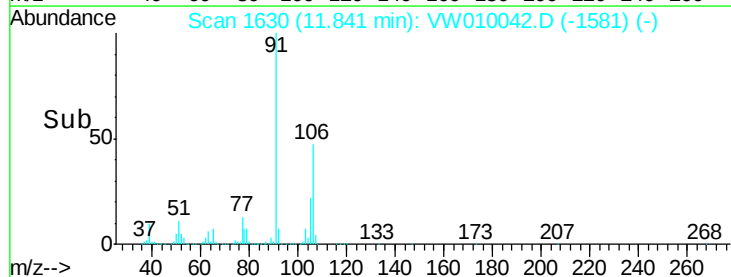
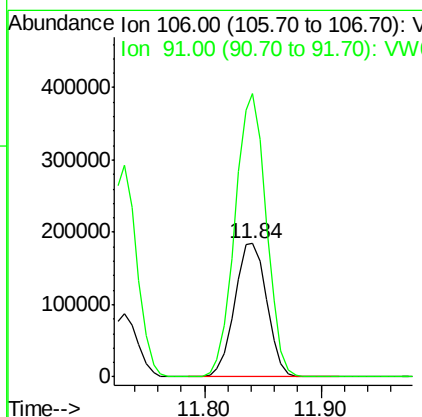
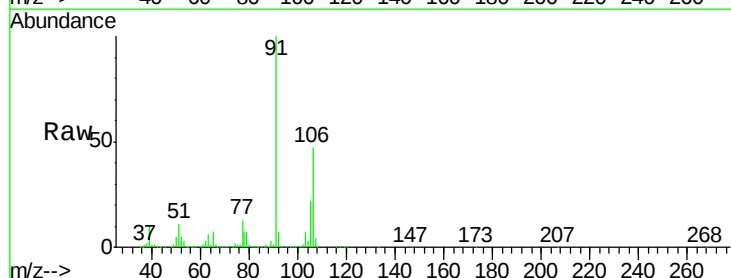
Manual Integrations
APPROVED

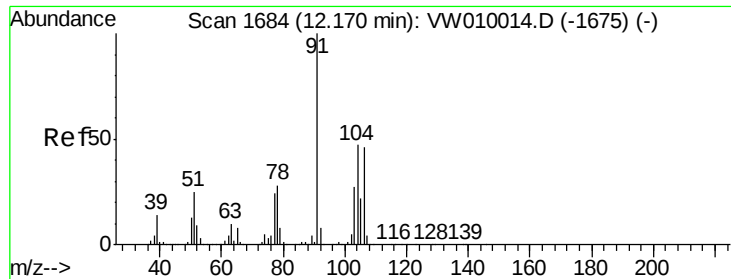
MMDadoda
4/19/2019 12:52:59 PM



#68
m/p-Xylenes
Concen: 40.289 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion: 106 Resp: 356466
Ion Ratio Lower Upper
106 100
91 206.5 165.0 247.6





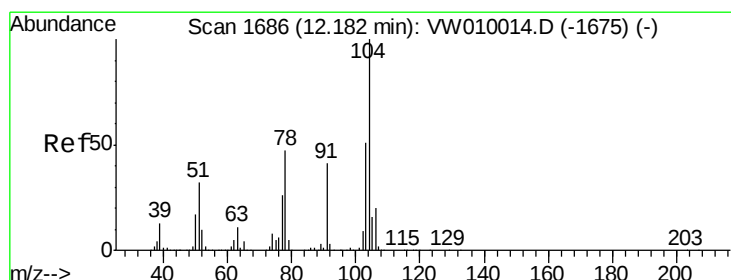
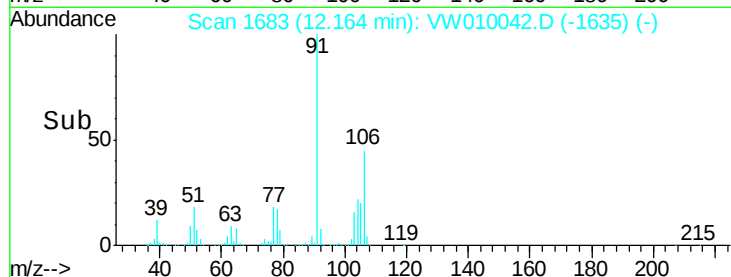
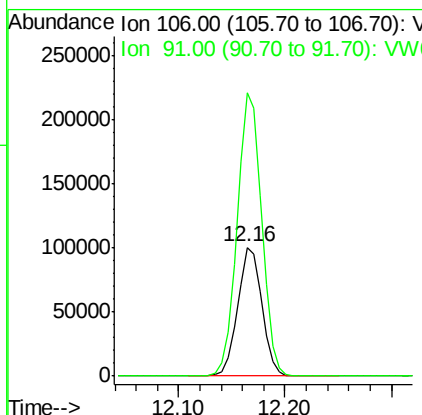
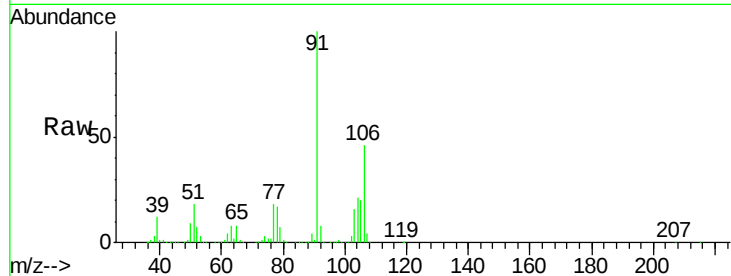
#69
o-Xylene
Concen: 19.939 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleID :
VW0418SBS01

Tot Ion:106 Resp: 160633
Ion Ratio Lower Upper
106 100
91 222.5 110.5 331.4

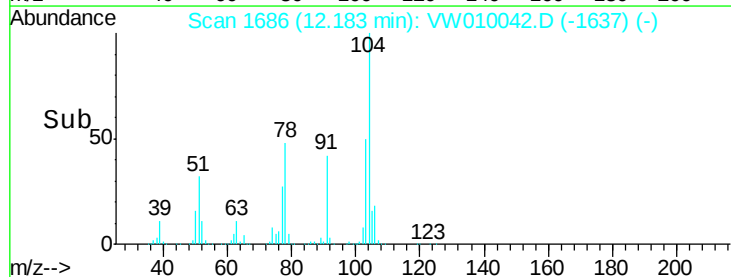
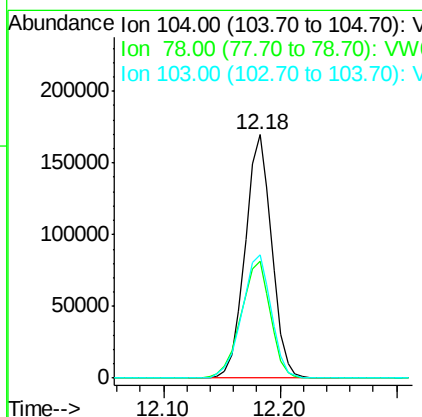
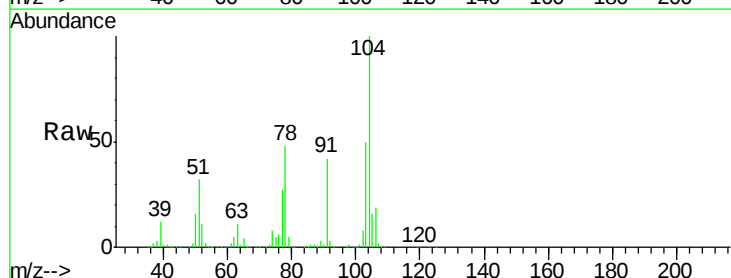
Manual Integrations
APPROVED

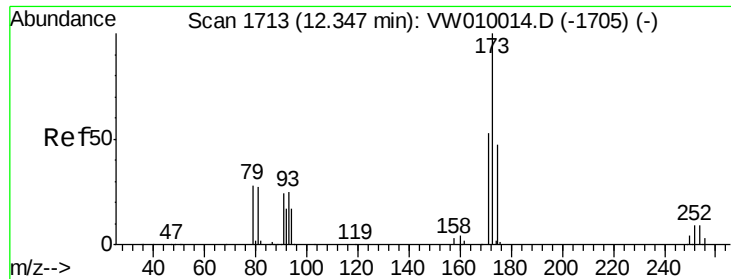
MMDadoda
4/19/2019 12:52:59 PM



#70
Styrene
Concen: 19.490 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion:104 Resp: 270720
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 55.8 43.6 65.4





#71

Bromoform

Concen: 19.620 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

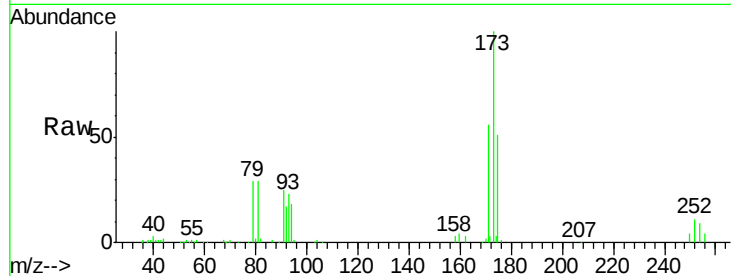
ClientSampleId :

VW0418SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.4
254	0.0	0.1	0.1

Manual Integrations
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4/19/2019 12:52:59 PM

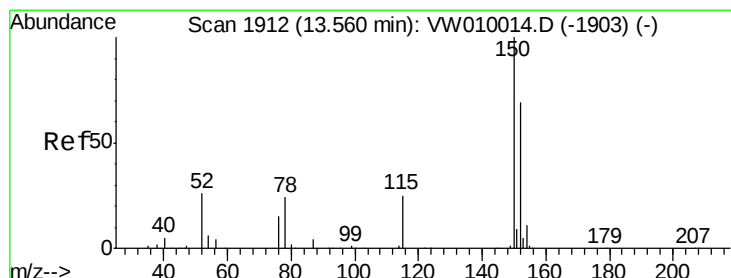
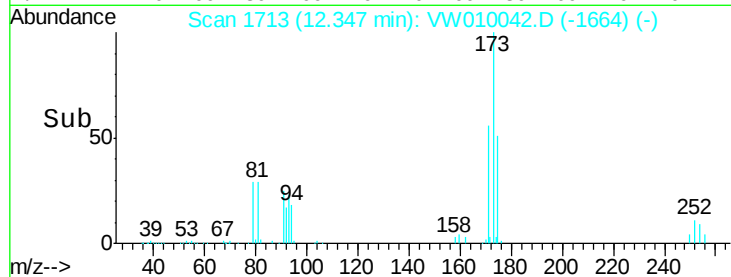
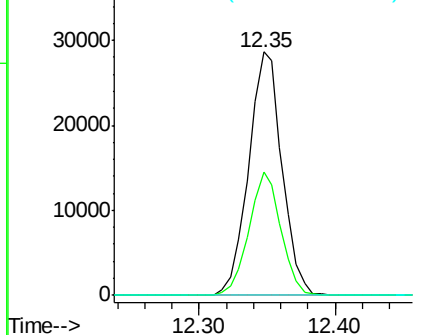


Abundance

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

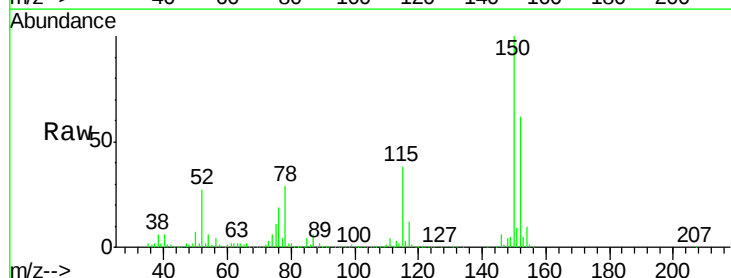
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.4	91.2
150	164.9	0.0	347.0

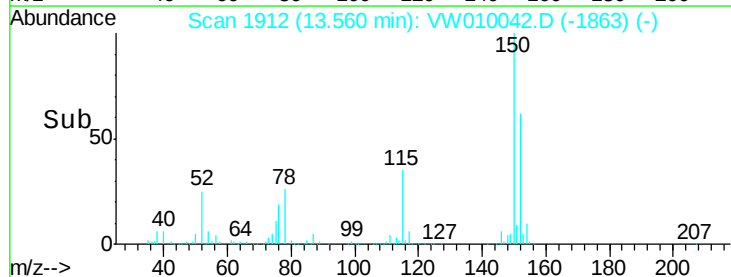
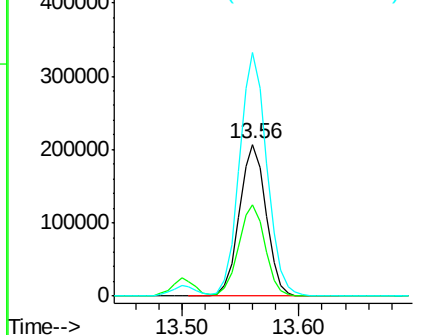


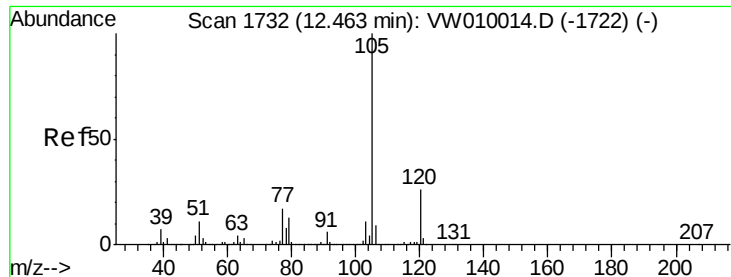
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.742 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 105 Resp: 454004

Ion Ratio Lower Upper

105 100

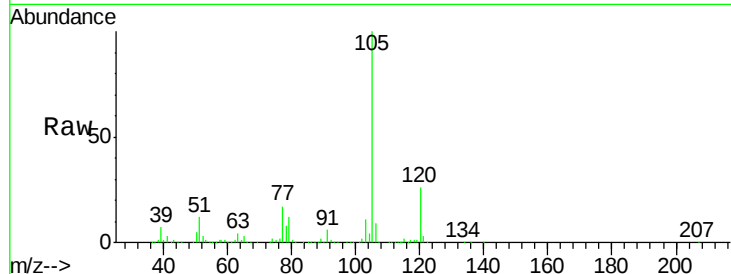
120 26.3 13.1 39.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

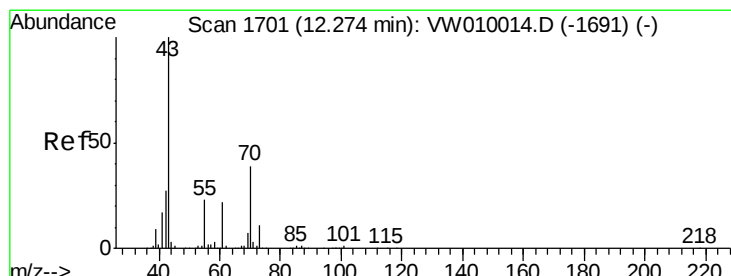
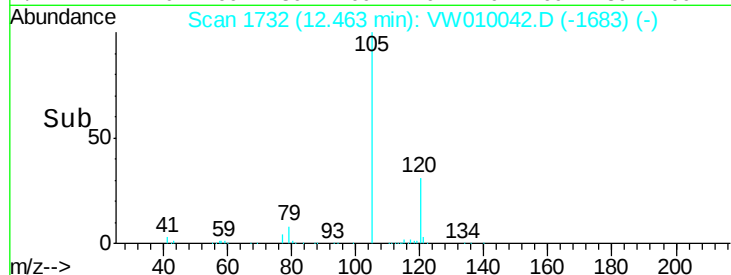
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.143 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion: 43 Resp: 128281

Ion Ratio Lower Upper

43 100

70 37.9 31.3 46.9

55 23.9 20.0 30.0

61 22.1 17.8 26.8

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

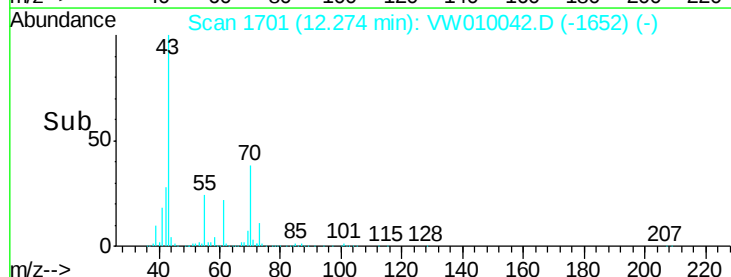
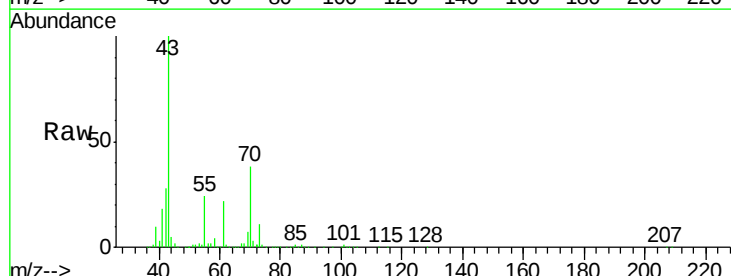
Ion 61.00 (60.70 to 61.70): VW

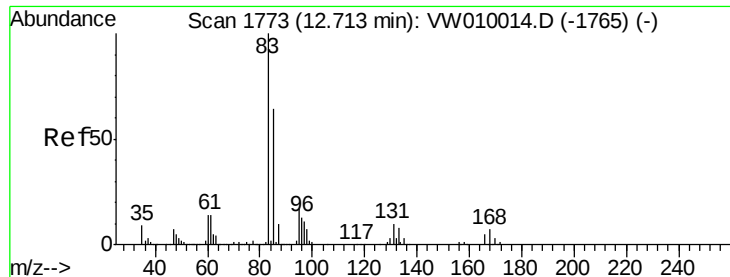
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.988 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

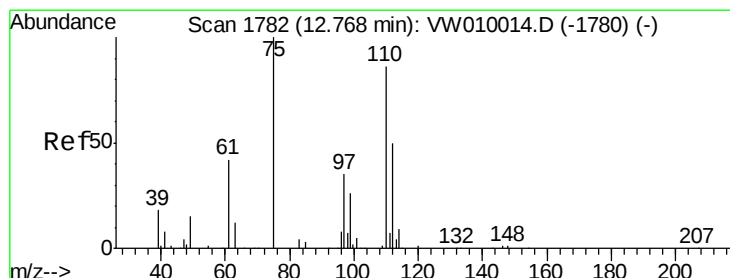
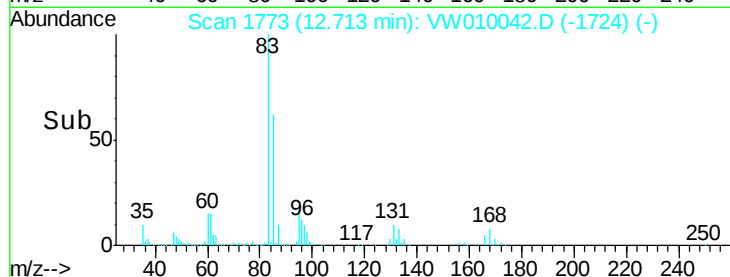
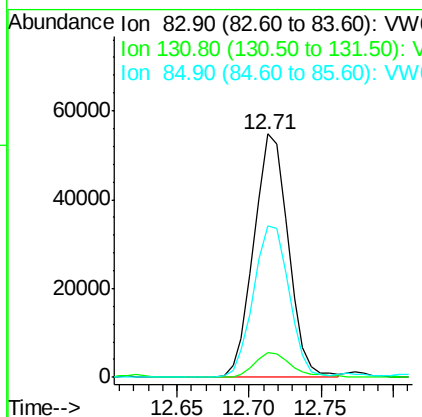
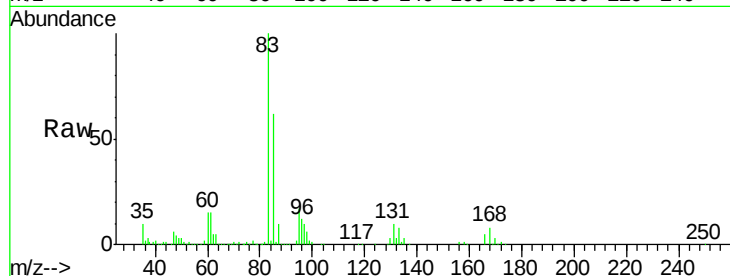
ClientSampleId :

VW0418SBS01

Tot Ion:	83	Resp:	90815
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	15.8
85	64.4	32.0	96.2

Manual Integrations
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4/19/2019 12:52:59 PM



#76

1,2,3-Trichloropropane

Concen: 19.639 ug/l m

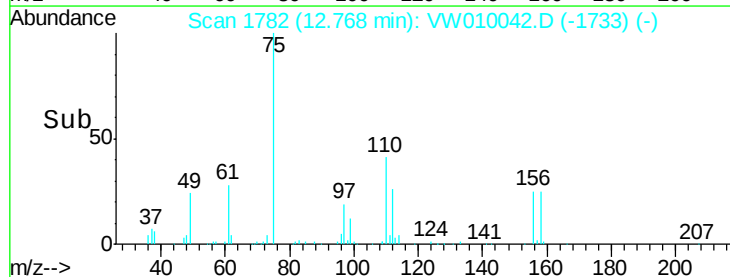
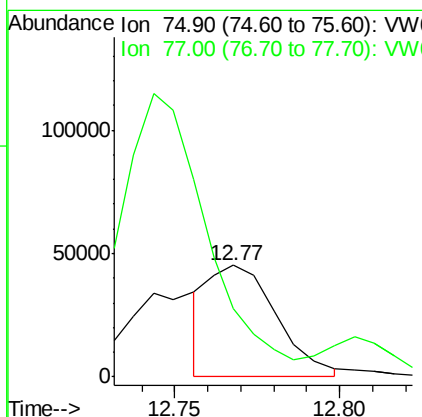
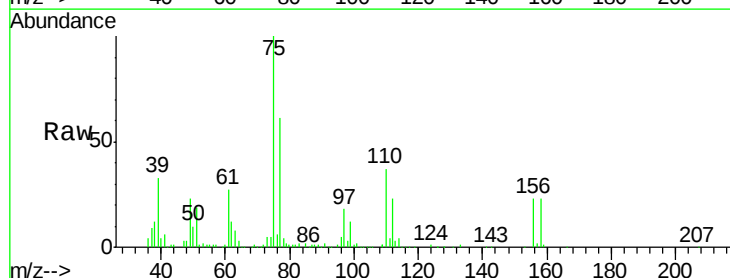
RT: 12.77 min Scan# 1782

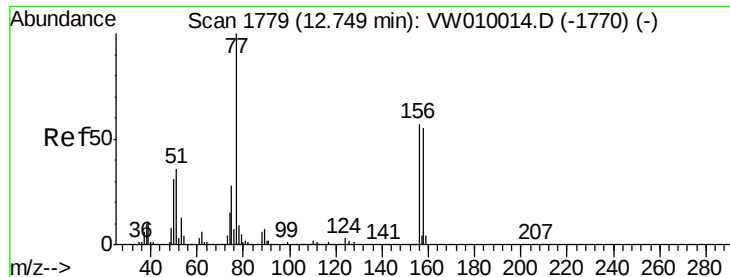
Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	75	Resp:	64948
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.511 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion:156 Resp: 103195

Ion Ratio Lower Upper

156 100

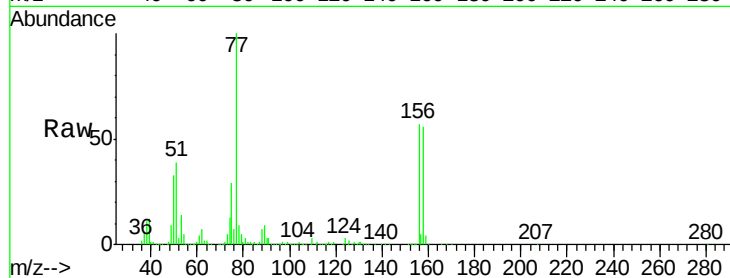
77 206.0 102.5 307.4

158 97.5 48.8 146.4

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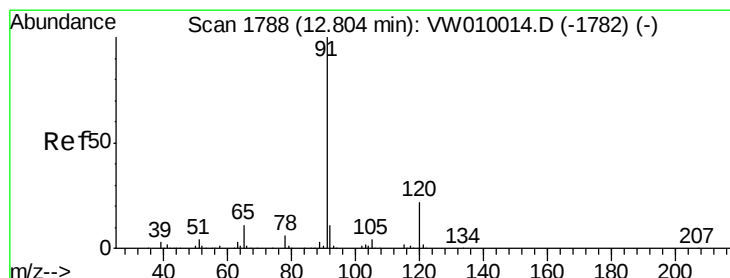
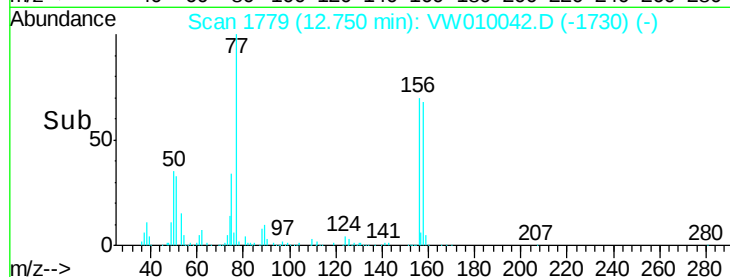
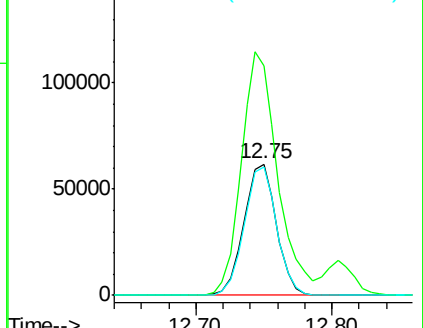
4/19/2019 12:52:59 PM



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: 20.285 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010042.D

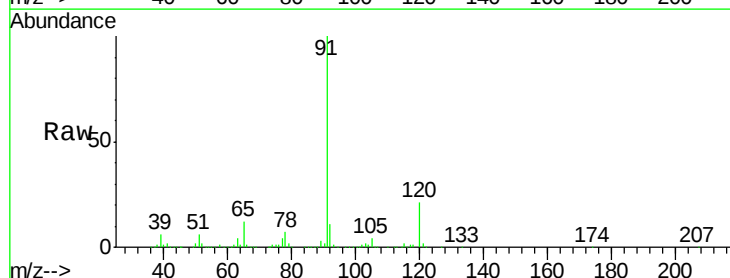
Acq: 18 Apr 2019 13:50

Tgt Ion: 91 Resp: 578181

Ion Ratio Lower Upper

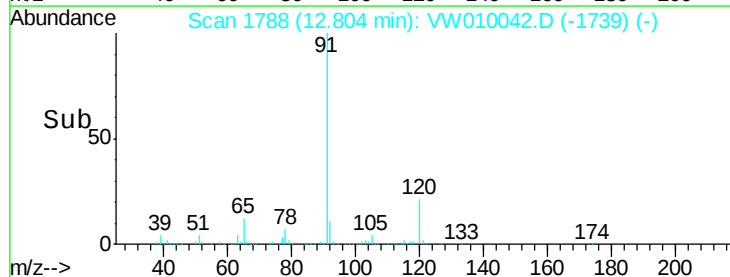
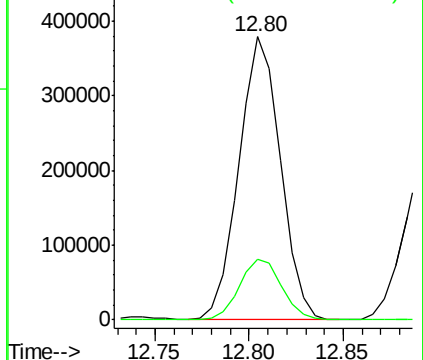
91 100

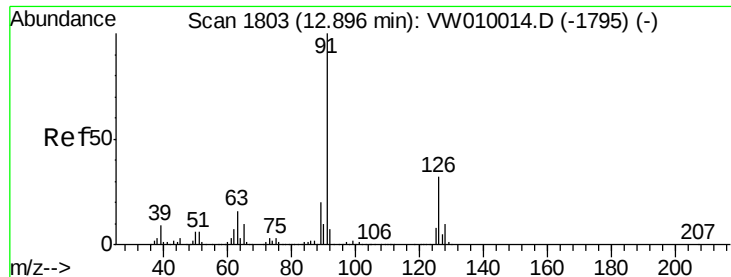
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.939 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 91 Resp: 326848

Ion Ratio Lower Upper

91 100

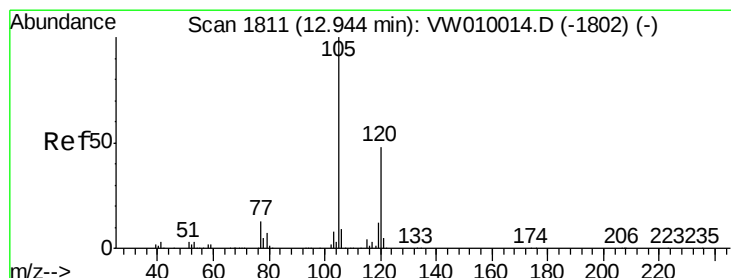
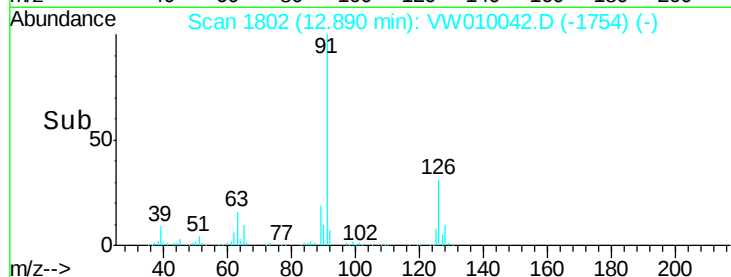
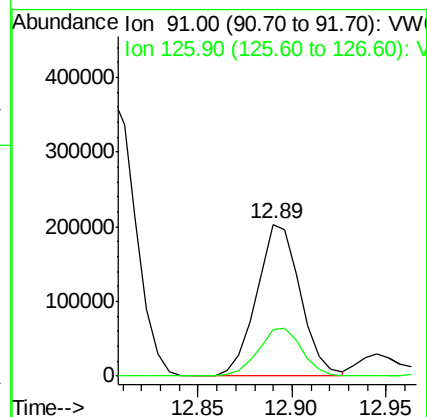
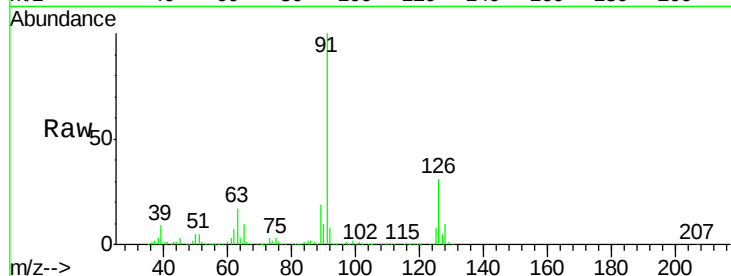
126 31.7 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 19.663 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010042.D

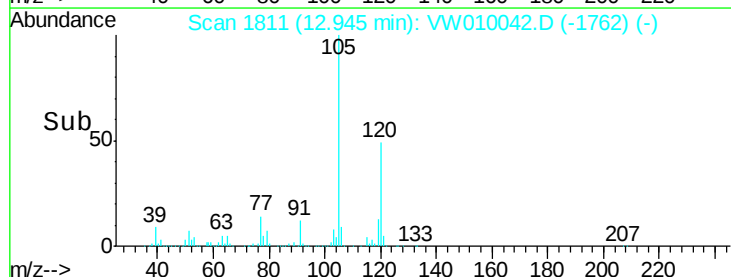
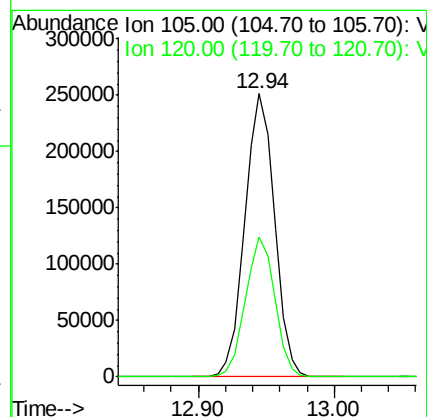
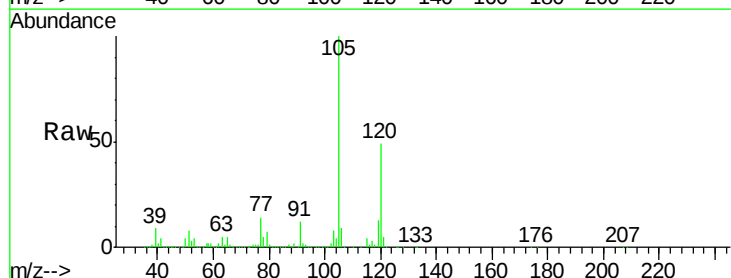
Acq: 18 Apr 2019 13:50

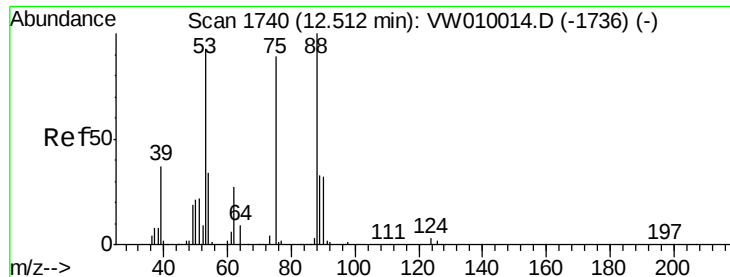
Tgt Ion:105 Resp: 383411

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.896 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 75 Resp: 27905

Ion Ratio Lower Upper

75 100

53 115.8 89.8 134.8

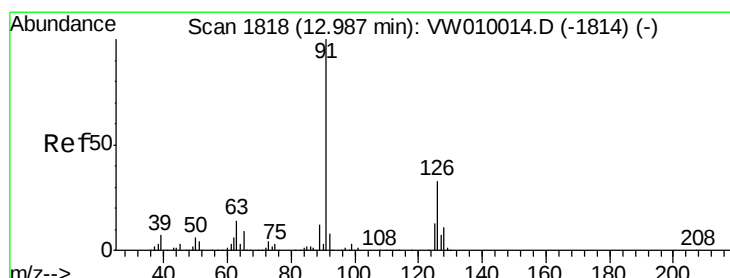
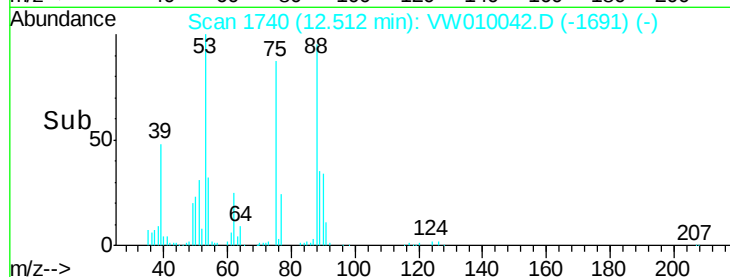
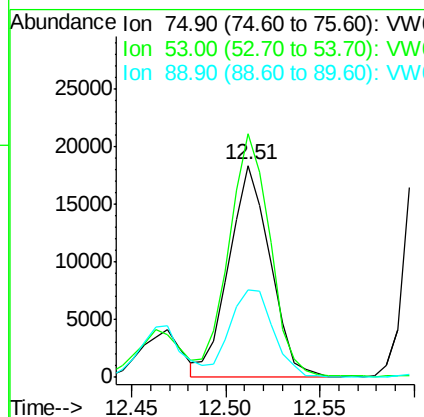
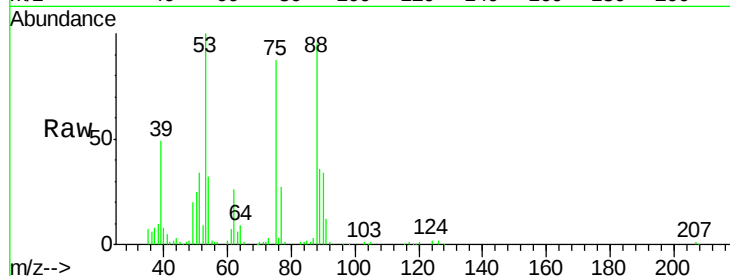
89 44.1 36.6 54.8

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#82

4-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010042.D

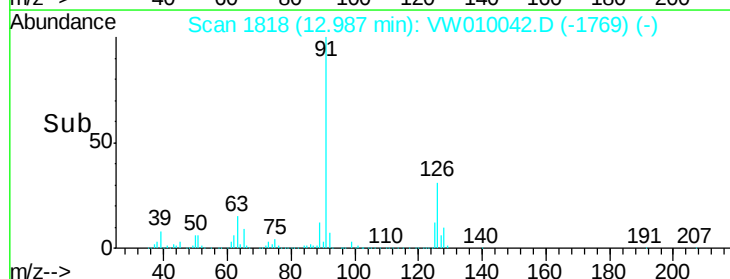
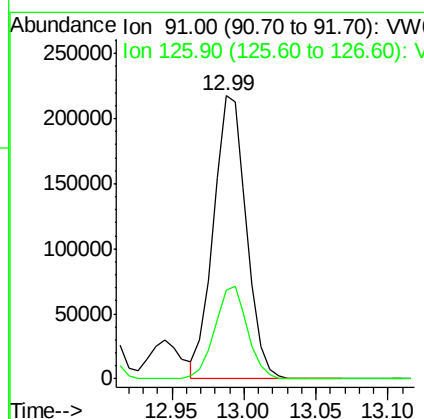
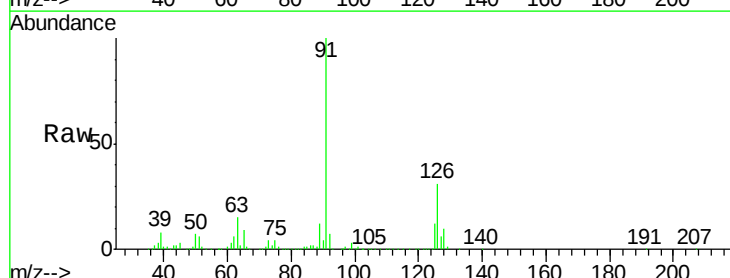
Acq: 18 Apr 2019 13:50

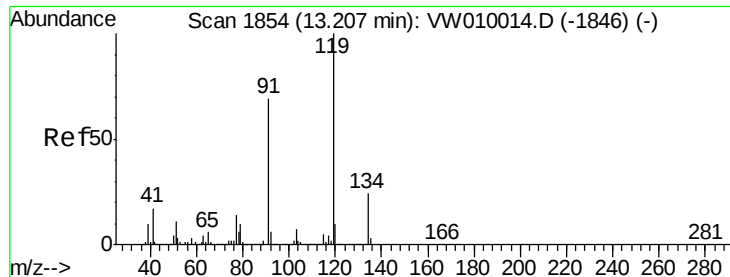
Tgt Ion: 91 Resp: 345145

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





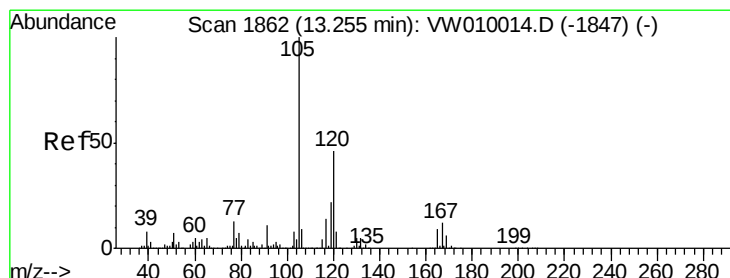
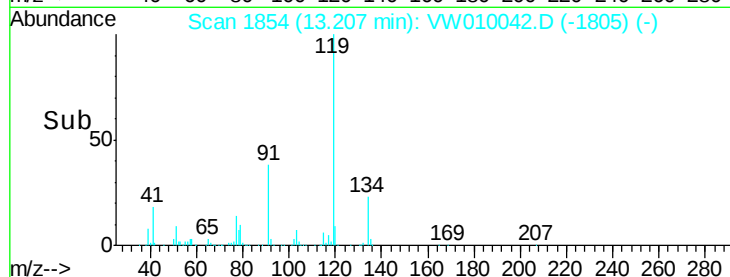
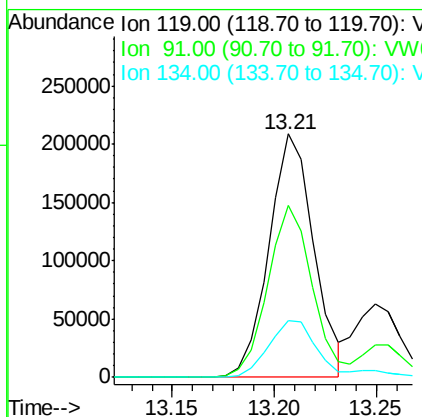
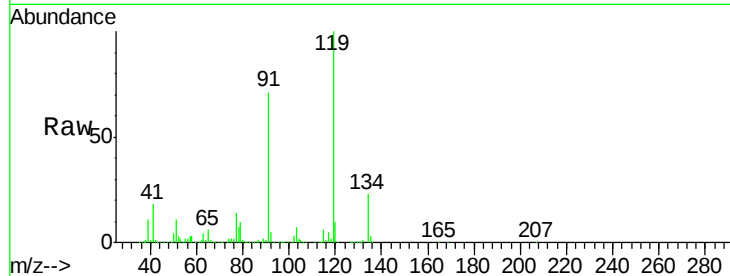
#83
 tert-Butylbenzene
 Concen: 19.866 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418BSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	34.8	104.4
134	24.9	13.7	41.1

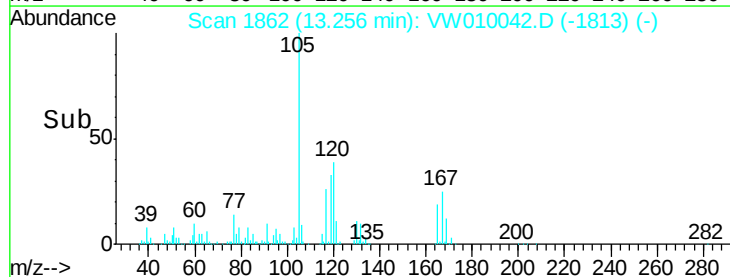
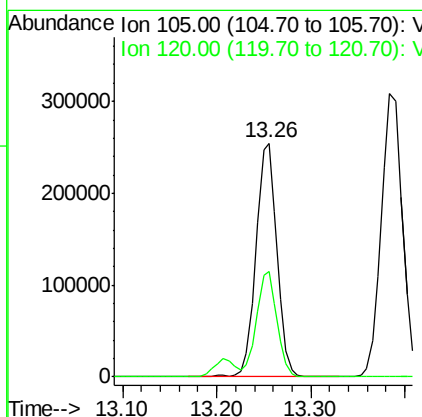
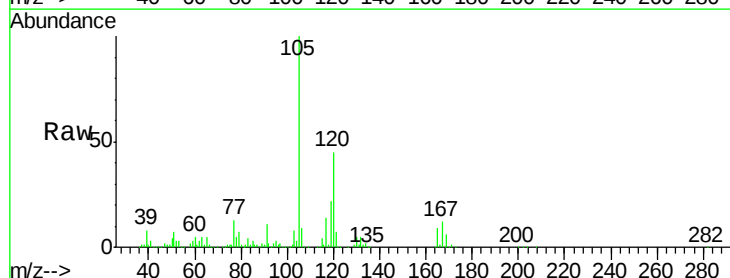
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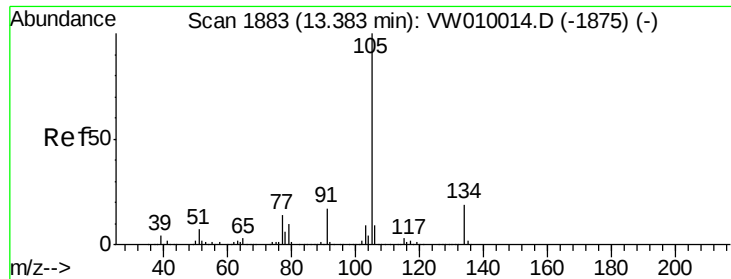
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.227 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.971 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

ClientSampled :

VW0418SBS01

Tot Ion:105 Resp: 481917

Ion Ratio Lower Upper

105 100

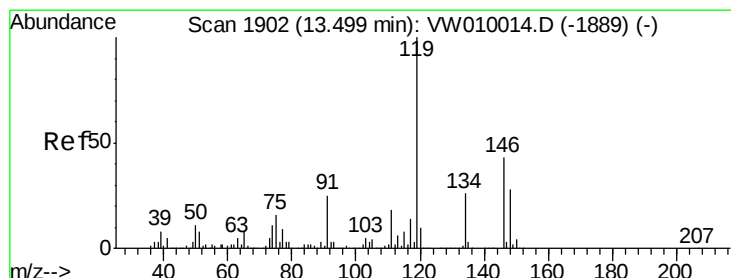
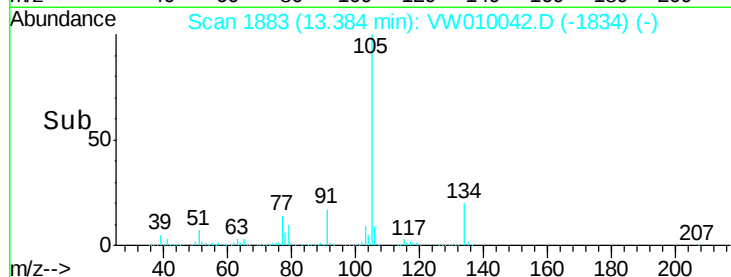
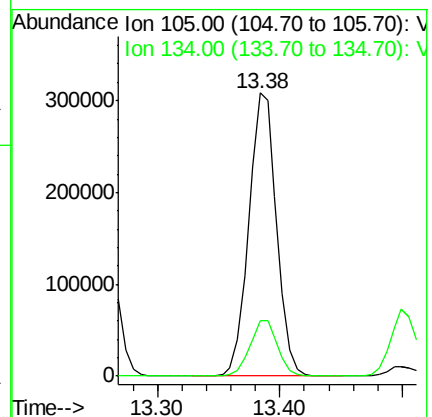
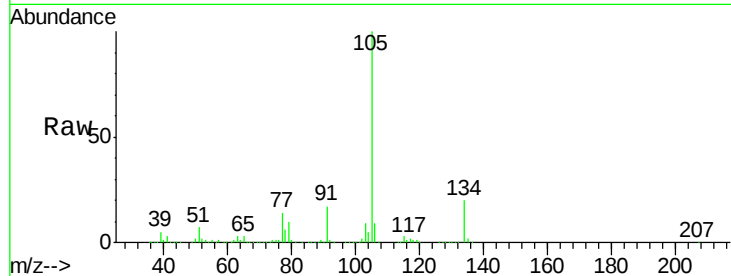
134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 19.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

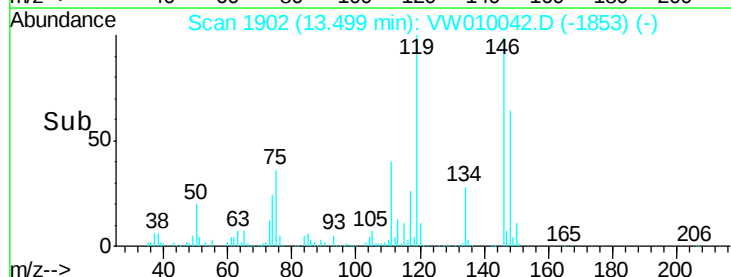
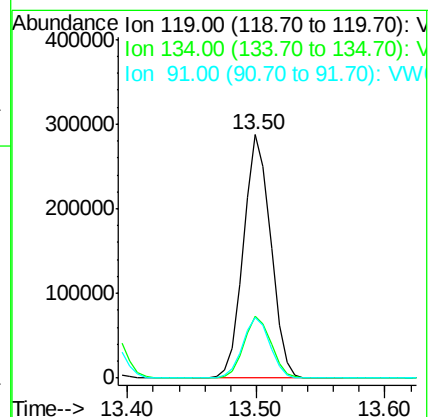
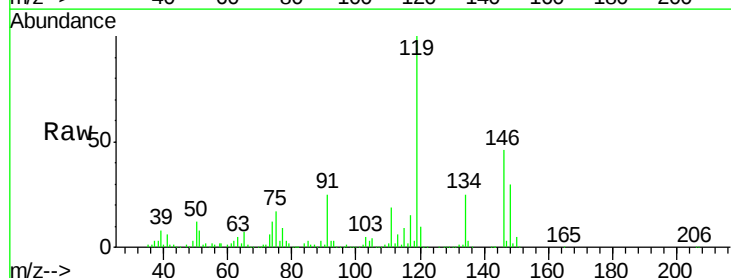
Tgt Ion:119 Resp: 421101

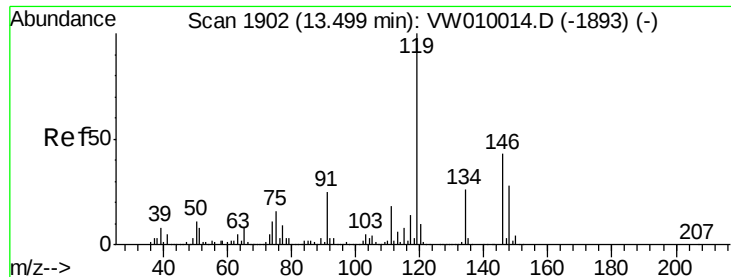
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 24.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.974 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

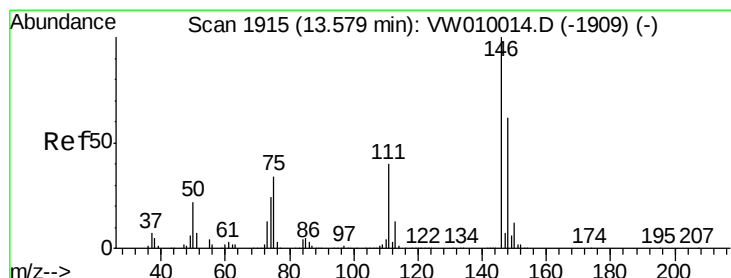
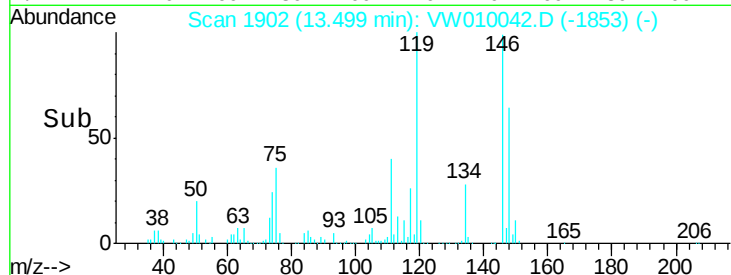
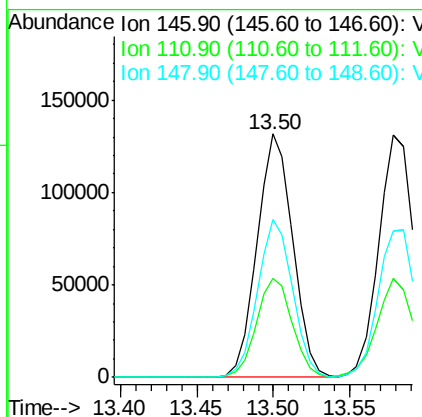
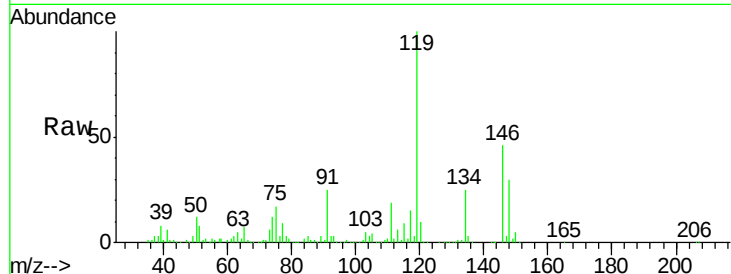
ClientSampled :

VW0418SBSD01

Tot Ion:	146	Resp:	213551
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	61.0
148	63.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 19.742 ug/l

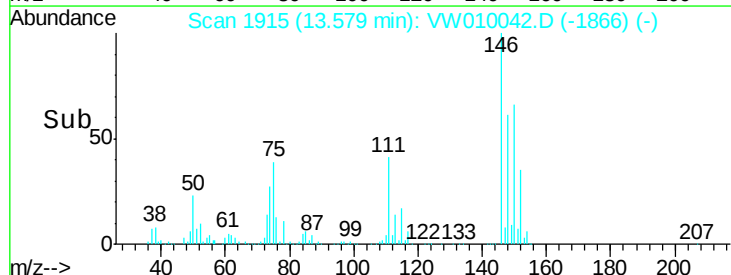
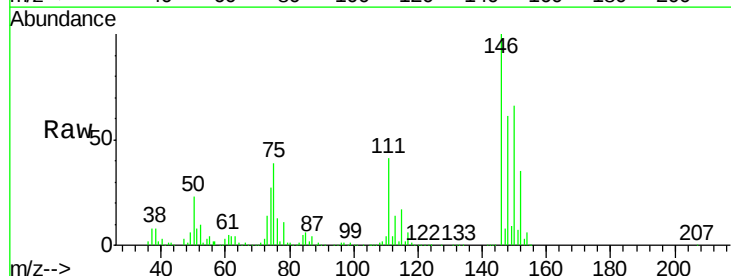
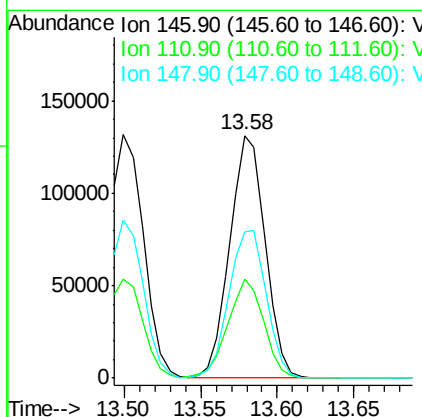
RT: 13.58 min Scan# 1915

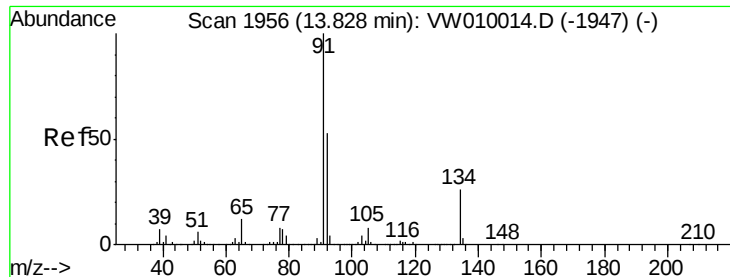
Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	146	Resp:	210687
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.1	60.3
148	64.2	31.8	95.3





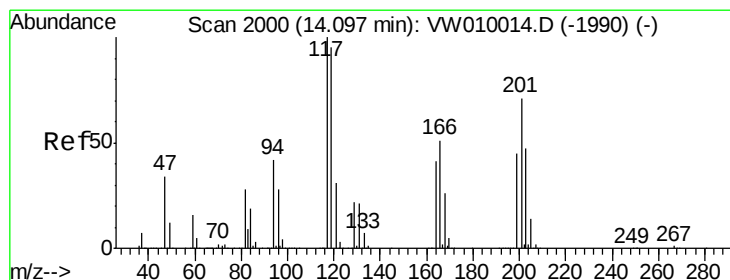
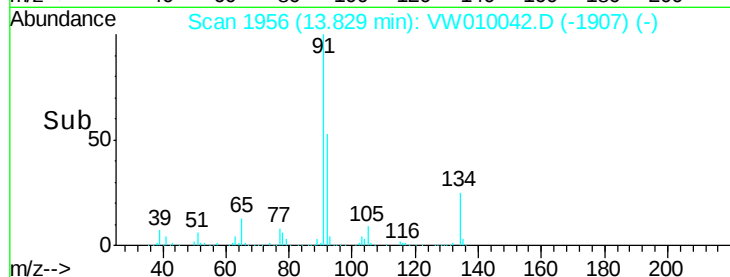
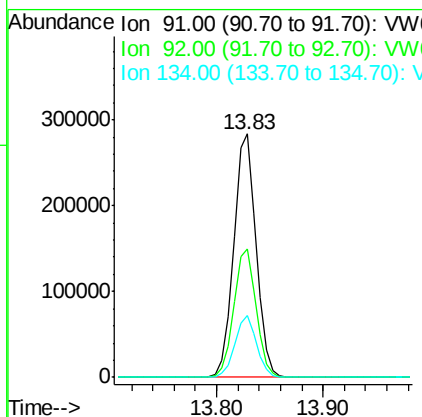
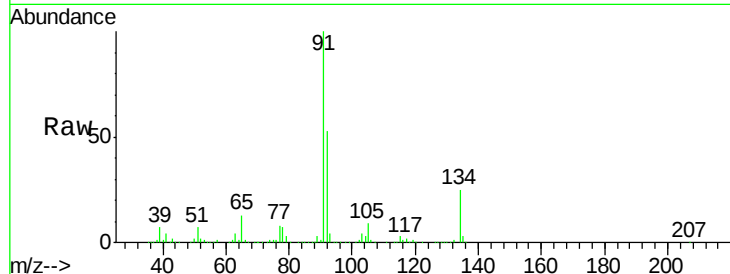
#89
n-Butylbenzene
Concen: 19.750 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	24.6	12.4	37.0

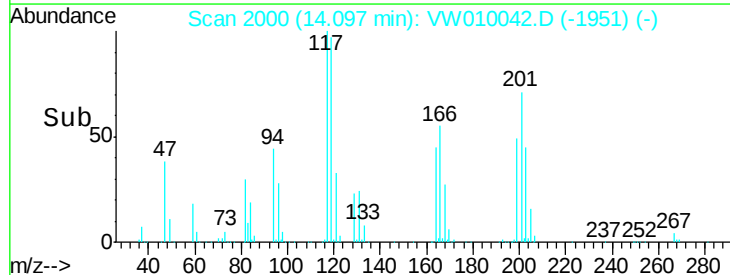
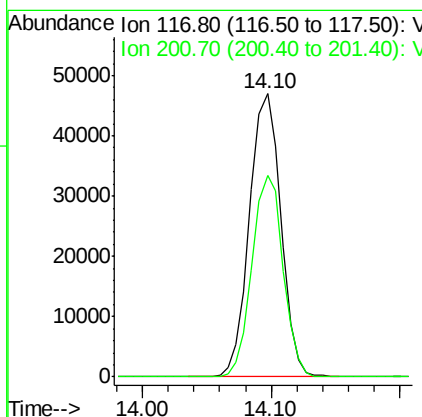
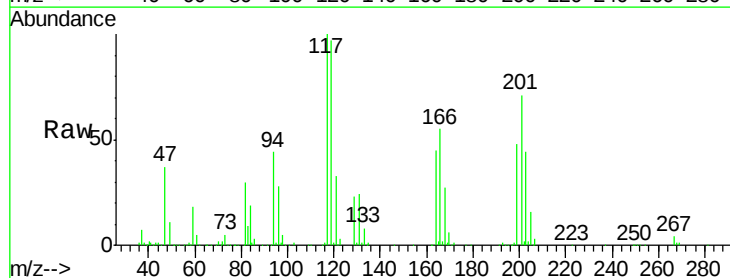
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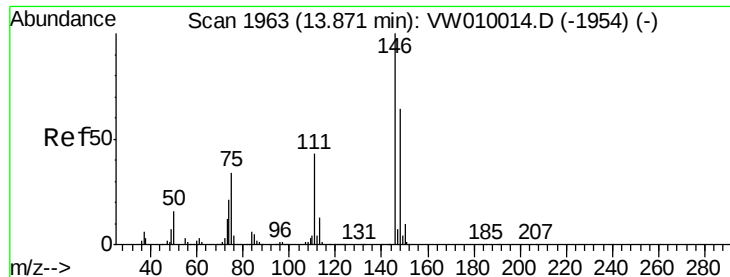
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#90
Hexachloroethane
Concen: 19.380 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	36.1	108.3





#91

1,2-Dichlorobenzene

Concen: 20.133 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Instrument :

MSVOA_W

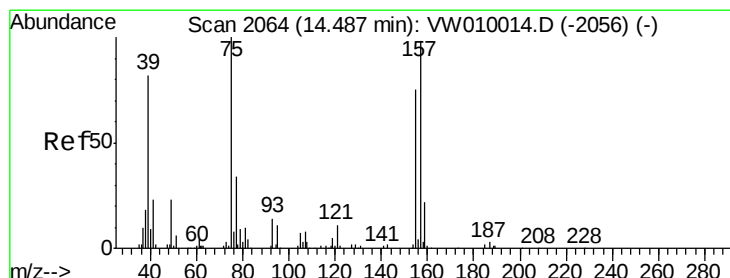
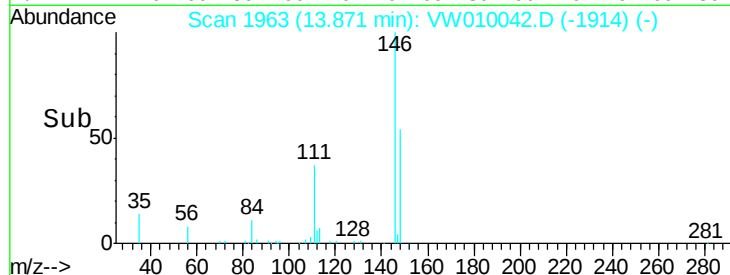
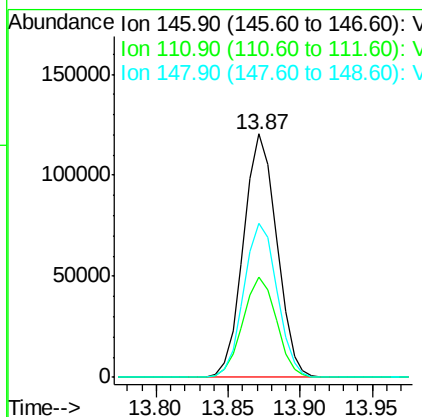
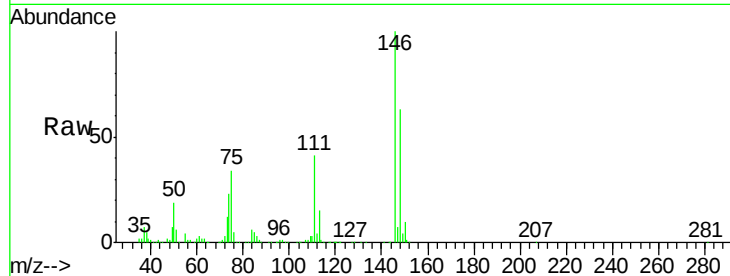
ClientSampleId :

VW0418SBS01

Tot Ion:	146	Resp:	193004
Ion Ratio		Lower	Upper
146	100		
111	41.7	20.9	62.8
148	63.6	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.973 ug/l

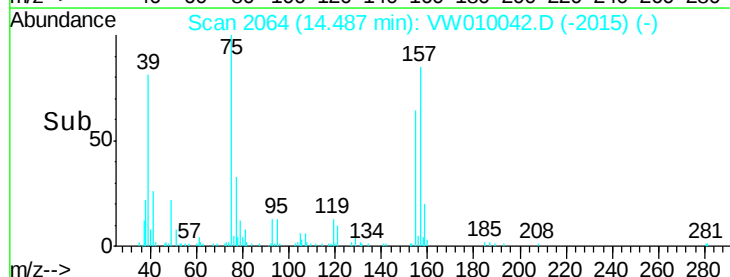
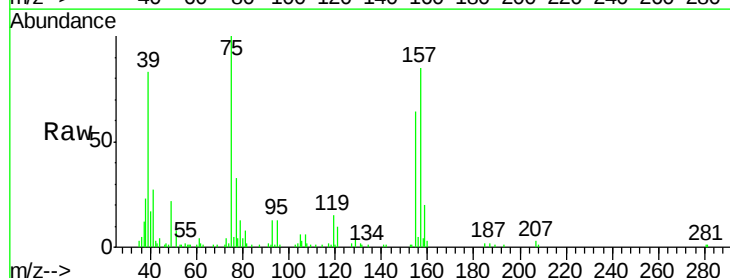
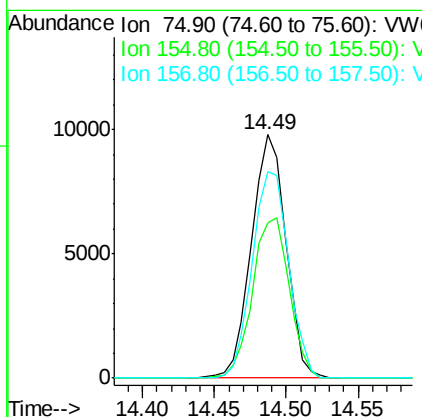
RT: 14.49 min Scan# 2064

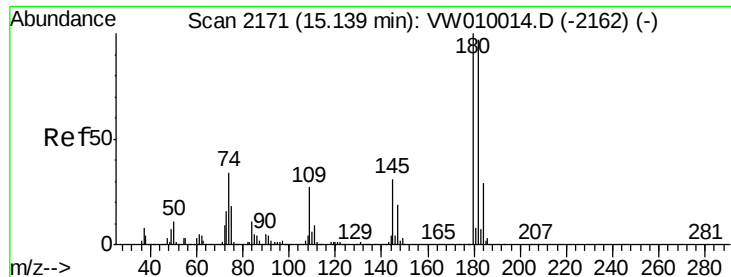
Delta R.T. 0.00 min

Lab File: VW010042.D

Acq: 18 Apr 2019 13:50

Tgt Ion:	75	Resp:	16240
Ion Ratio		Lower	Upper
75	100		
155	70.1	37.1	111.5
157	89.5	47.3	141.9





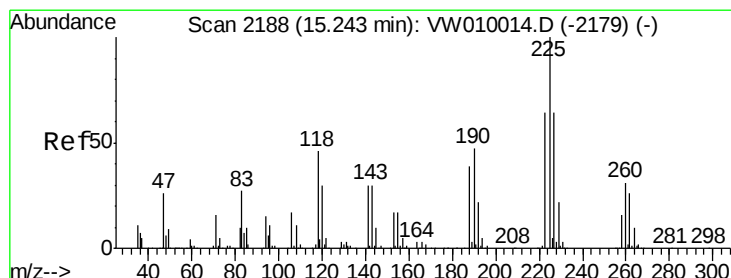
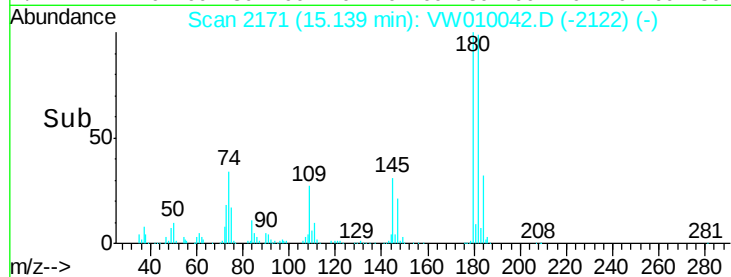
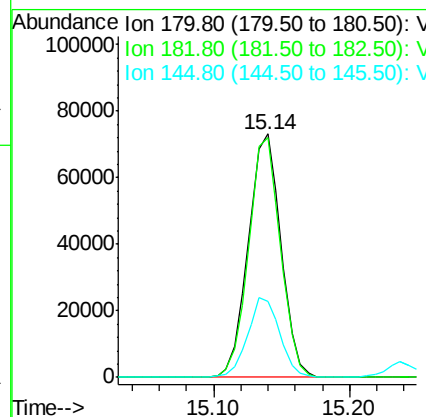
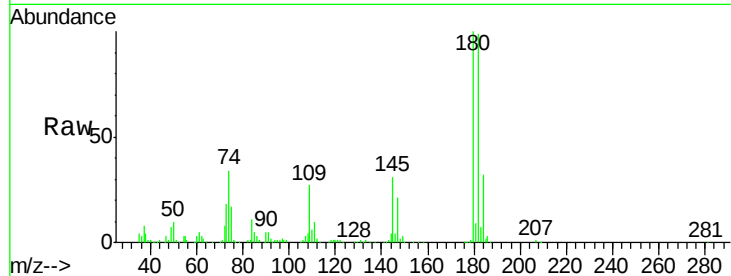
#93
 1,2,4-Trichlorobenzene
 Concen: 19.423 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122839		
182	96.1	47.1	141.4	
145	32.1	15.2	45.6	

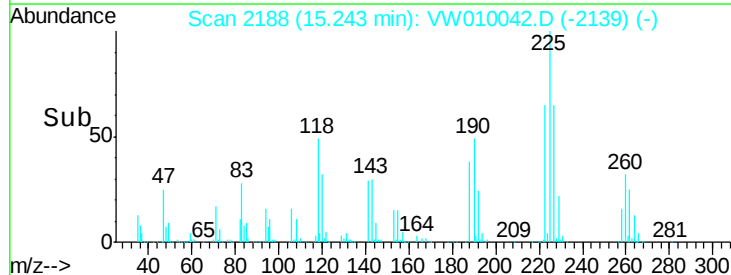
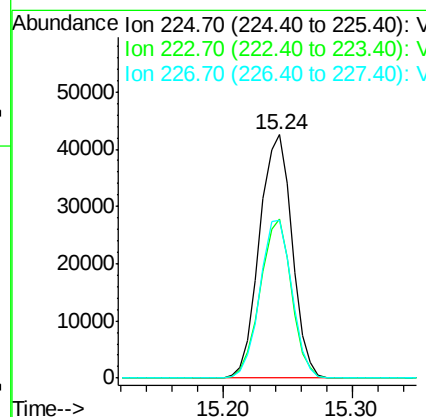
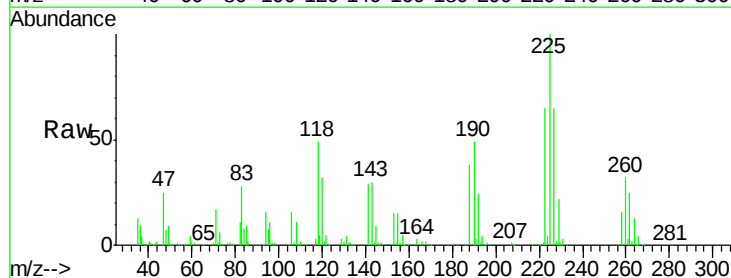
Manual Integrations
 APPROVED

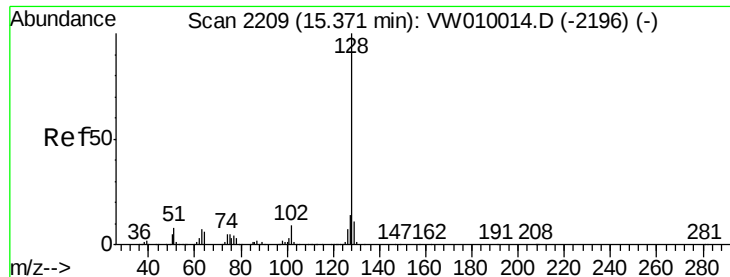
MMDadoda
 4/19/2019 12:52:59 PM



#94
 Hexachlorobutadiene
 Concen: 19.400 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010042.D
 Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74506		
223	62.7	31.9	95.5	
227	63.4	31.8	95.3	





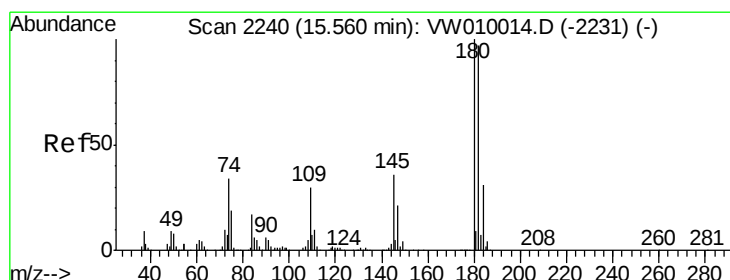
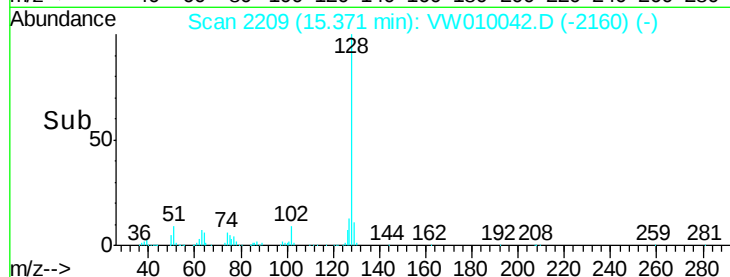
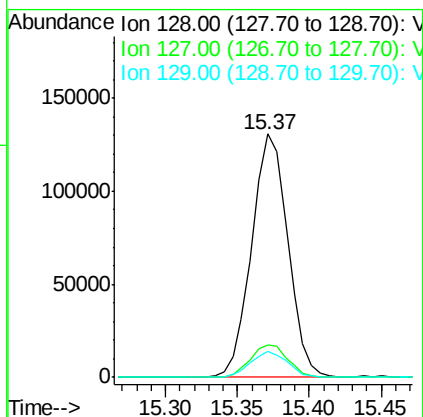
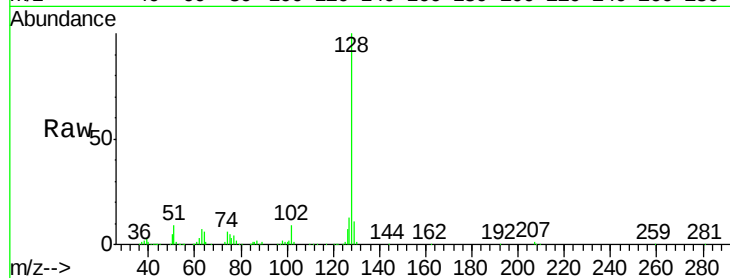
#95
Naphthalene
Concen: 19.808 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/19/2019 12:52:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.409 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010042.D
Acq: 18 Apr 2019 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	31.8	16.4	49.2

