

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\
 Data File : VW010046.D
 Acq On : 18 Apr 2019 15:39
 Operator : SY/VA
 Sample : VW0418SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:53:04 PM

Quant Time: Apr 18 16:10:06 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	387858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	628720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	577738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	297823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	264923	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.88	113	211263	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.32	98	831416	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.62	95	299790	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	58745	19.864	ug/l	92
3) Chloromethane	2.21	50	51851	17.532	ug/l	99
4) Vinyl Chloride	2.37	62	66692	19.400	ug/l	96
5) Bromomethane	2.77	94	45540	19.712	ug/l	91
6) Chloroethane	2.92	64	46866	20.865	ug/l	94
7) Trichlorofluoromethane	3.25	101	42788	18.002	ug/l	99
8) Diethyl Ether	3.67	74	40090	20.277	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	84408	21.105	ug/l	99
10) Methyl Iodide	4.27	142	111349	20.146	ug/l	100
11) Tert butyl alcohol	5.18	59	30941	113.488	ug/l	99
12) 1,1-Dichloroethene	4.03	96	80500	20.995	ug/l	98
13) Acrolein	3.89	56	22857	79.690	ug/l	93
14) Allyl chloride	4.66	41	124601	18.278	ug/l	99
15) Acrylonitrile	5.37	53	107906	106.053	ug/l	99
16) Acetone	4.12	43	110350	99.366	ug/l	100
17) Carbon Disulfide	4.37	76	203397	18.476	ug/l	99
18) Methyl Acetate	4.66	43	54927	21.370	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	108072	21.700	ug/l	100
20) Methylene Chloride	4.90	84	106369	22.243	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	83936	20.215	ug/l	97
22) Diisopropyl ether	6.31	45	298644	21.598	ug/l	97
23) Vinyl Acetate	6.25	43	965542	110.923	ug/l	100
24) 1,1-Dichloroethane	6.21	63	171420	20.738	ug/l	99
25) 2-Butanone	7.17	43	166177	113.912	ug/l	99
26) 2,2-Dichloropropane	7.16	77	91419	19.990	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	93029	20.372	ug/l	99
28) Bromochloromethane	7.51	49	76258	22.574	ug/l	96
29) Tetrahydrofuran	7.53	42	107010	115.767	ug/l	98
30) Chloroform	7.67	83	172840	20.867	ug/l	99
31) Cyclohexane	7.95	56	158542	20.482	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	132674	20.404	ug/l	99
36) 1,1-Dichloropropene	8.08	75	134062	20.875	ug/l	99
37) Ethyl Acetate	7.25	43	78724	24.123	ug/l	99
38) Carbon Tetrachloride	8.06	117	128574	20.513	ug/l	97

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Manual Integrations
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Quant Time: Apr 18 16:10:06 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)
39) Methylcyclohexane	9.33	83	146390	19.481	ug/l	98
40) Benzene	8.32	78	370264	21.085	ug/l	99
41) Methacrylonitrile	7.48	41	42933	23.083	ug/l	97
42) 1,2-Dichloroethane	8.40	62	127862	21.188	ug/l	100
43) Isopropyl Acetate	8.42	43	135999	22.239	ug/l	99
44) Trichloroethene	9.09	130	91462	20.507	ug/l	99
45) 1,2-Dichloropropane	9.37	63	96663	20.942	ug/l	94
46) Dibromomethane	9.46	93	51714	21.617	ug/l	97
47) Bromodichloromethane	9.64	83	127427	20.634	ug/l	98
48) Methyl methacrylate	9.43	41	66935	22.486	ug/l	99
49) 1,4-Dioxane	9.45	88	16363	447.639	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	378193	118.077	ug/l	99
52) Toluene	10.38	92	229643	20.994	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	125190	20.447	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	144342	20.646	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	74699	22.372	ug/l	95
56) Ethyl methacrylate	10.65	69	88419	20.704	ug/l	97
57) 1,3-Dichloropropane	10.93	76	127619	21.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	256582	128.600	ug/l	99
59) 2-Hexanone	10.97	43	259464	116.373	ug/l	99
60) Dibromochloromethane	11.13	129	80824	20.943	ug/l	98
61) 1,2-Dibromoethane	11.23	107	67320	21.194	ug/l	96
64) Tetrachloroethene	10.86	164	77230	20.592	ug/l	96
65) Chlorobenzene	11.66	112	246020	20.805	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	89209	21.096	ug/l	99
67) Ethyl Benzene	11.73	91	439931	20.852	ug/l	98
68) m/p-Xylenes	11.84	106	335097	42.491	ug/l	100
69) o-Xylene	12.16	106	152954	21.301	ug/l	99
70) Styrene	12.18	104	260881	21.071	ug/l	99
71) Bromoform	12.35	173	47280	21.145	ug/l #	98
73) Isopropylbenzene	12.46	105	428833	20.689	ug/l	100
74) N-amyl acetate	12.27	43	126414	22.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	89522	21.860	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64492m	21.636	ug/l	
77) Bromobenzene	12.75	156	98644	20.693	ug/l	99
78) n-propylbenzene	12.80	91	548033	21.333	ug/l	100
79) 2-Chlorotoluene	12.90	91	310732	21.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	366506	20.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26189	20.717	ug/l	94
82) 4-Chlorotoluene	12.99	91	327009	21.030	ug/l	99
83) tert-Butylbenzene	13.21	119	302865	20.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	379355	21.290	ug/l	100
85) sec-Butylbenzene	13.38	105	467034	21.474	ug/l	99
86) p-Isopropyltoluene	13.50	119	401368	20.937	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	202239	20.987	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	202793	21.083	ug/l	99
89) n-Butylbenzene	13.83	91	399000	21.009	ug/l	100
90) Hexachloroethane	14.10	117	75467	20.554	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	183375	21.223	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16007	21.842	ug/l	98

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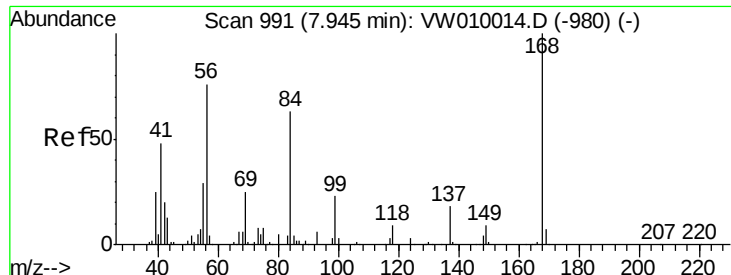
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	117869	20.678	ug/l	100
94) Hexachlorobutadiene	15.24	225	69482	20.073	ug/l	97
95) Naphthalene	15.37	128	221169	21.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	105381	21.308	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: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion:168 Resp: 387858

Ion Ratio Lower Upper

168 100

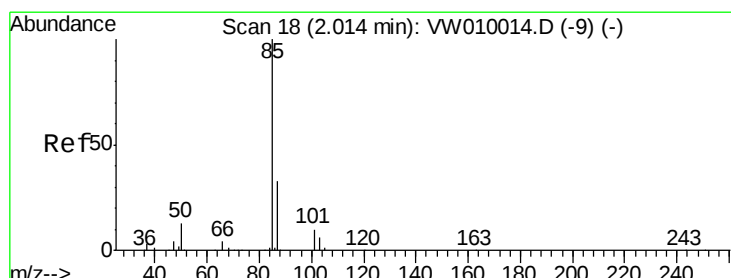
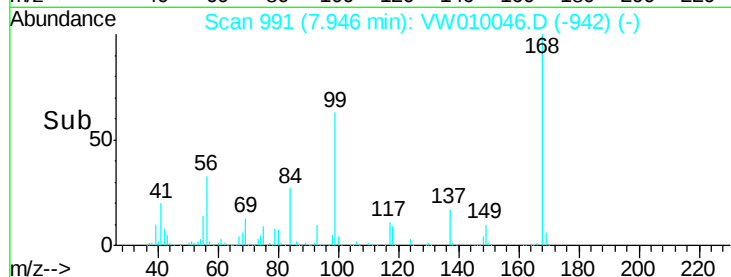
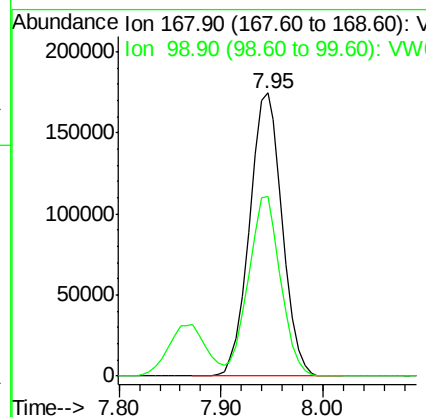
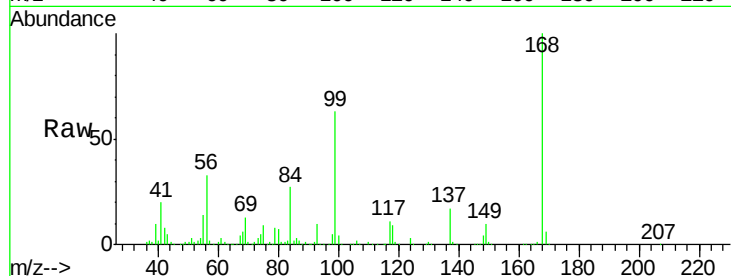
99 63.3 48.4 72.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.864 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010046.D

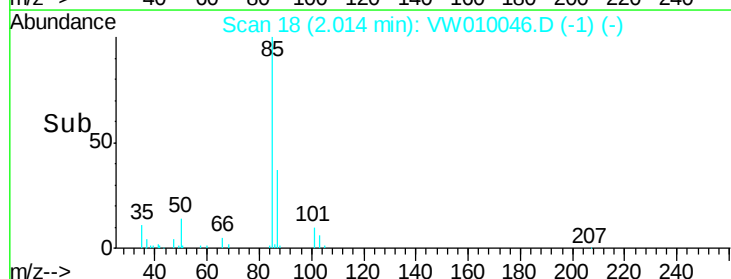
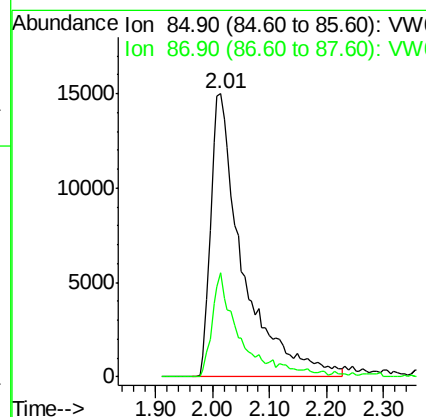
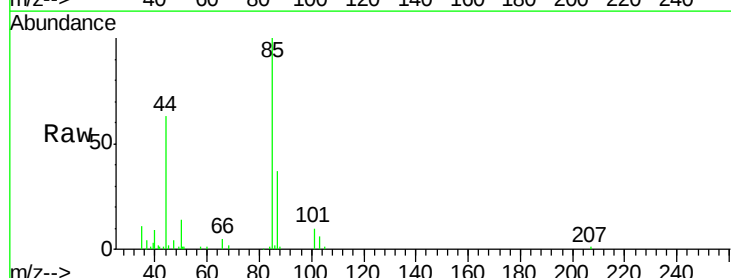
Acq: 18 Apr 2019 15:39

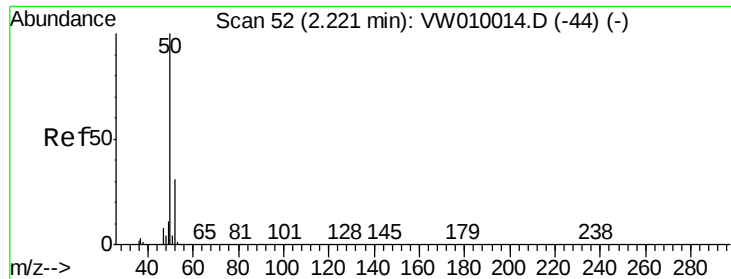
Tgt Ion: 85 Resp: 58745

Ion Ratio Lower Upper

85 100

87 36.8 16.3 48.9





#3

Chloromethane

Concen: 17.532 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 50 Resp: 51851

Ion Ratio Lower Upper

50 100

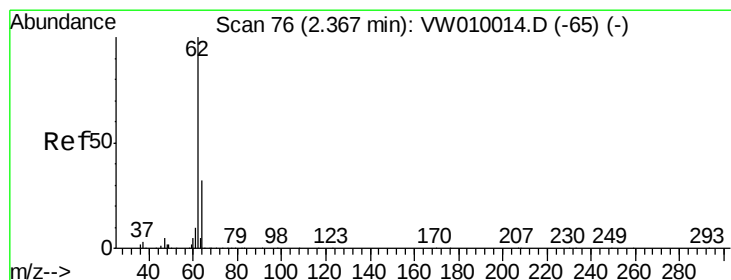
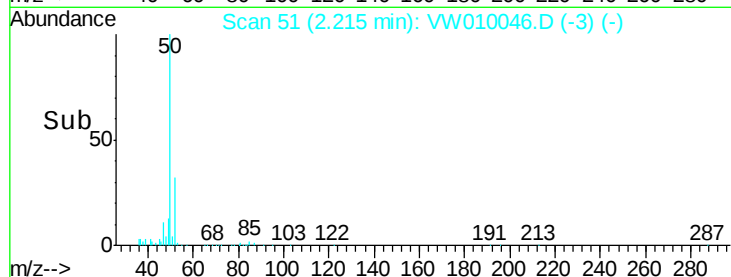
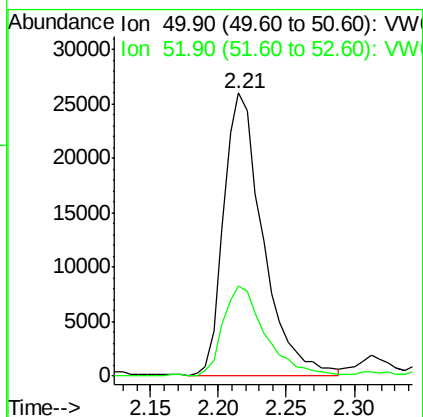
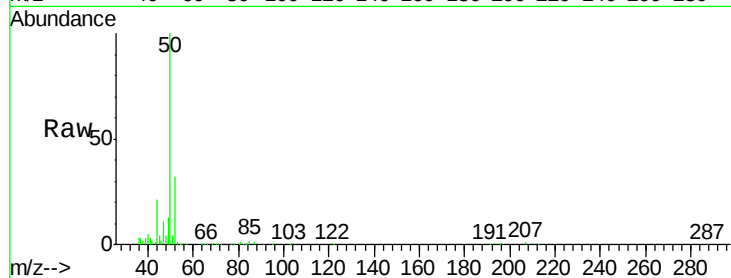
52 31.8 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.400 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010046.D

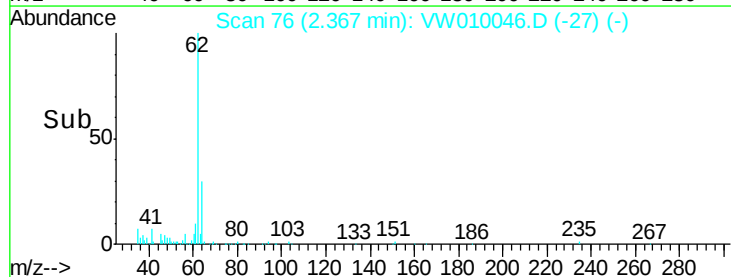
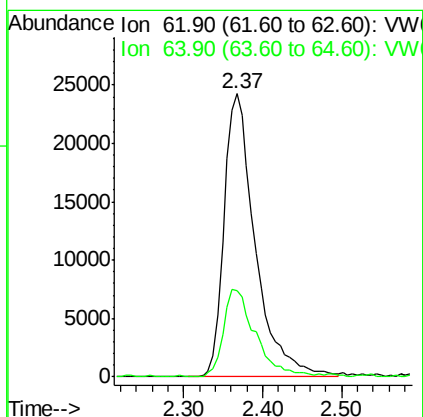
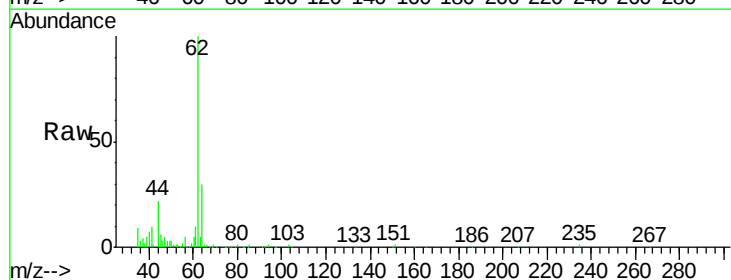
Acq: 18 Apr 2019 15:39

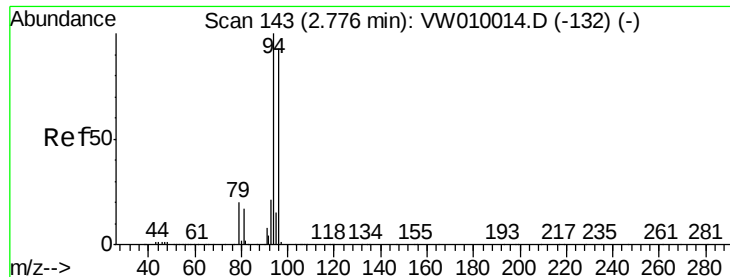
Tgt Ion: 62 Resp: 66692

Ion Ratio Lower Upper

62 100

64 30.3 25.9 38.9





#5

Bromomethane

Concen: 19.712 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 94 Resp: 45540

Ion Ratio Lower Upper

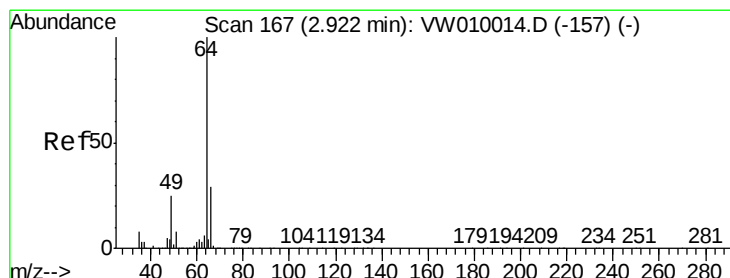
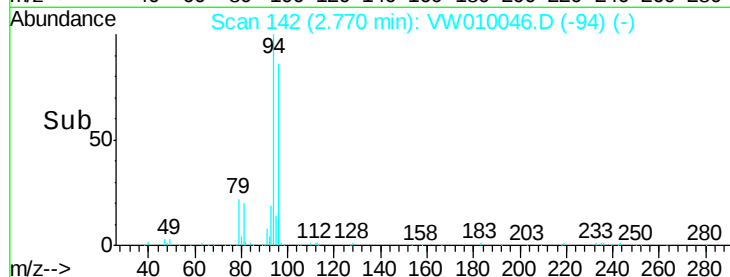
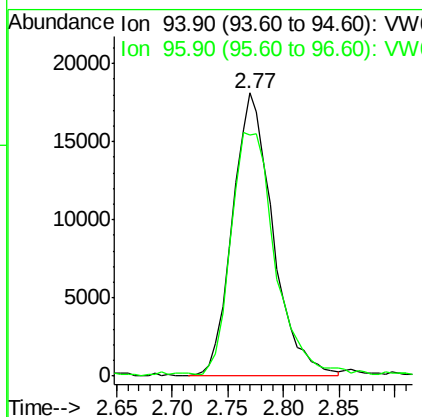
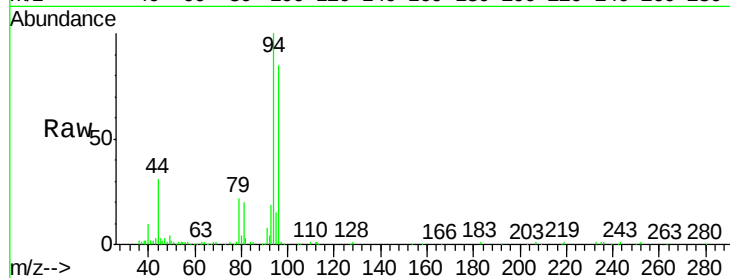
94 100

96 84.4 74.2 111.2

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 20.865 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010046.D

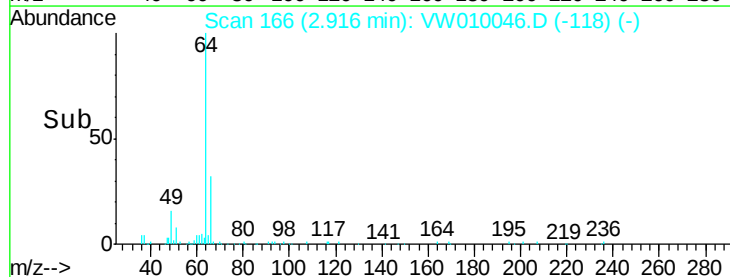
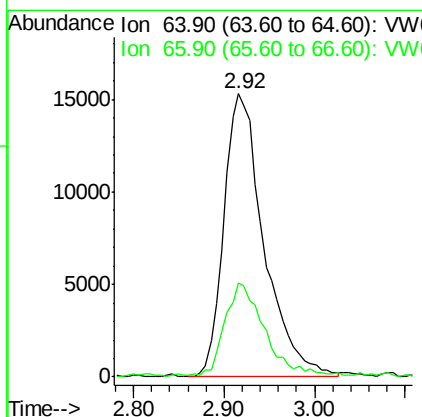
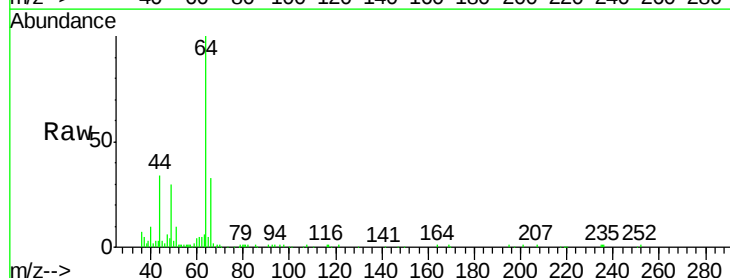
Acq: 18 Apr 2019 15:39

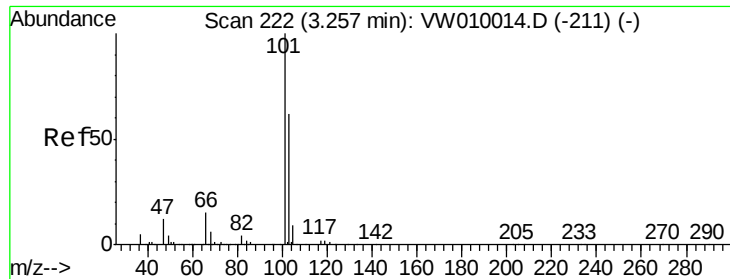
Tgt Ion: 64 Resp: 46866

Ion Ratio Lower Upper

64 100

66 32.6 23.4 35.0





#7

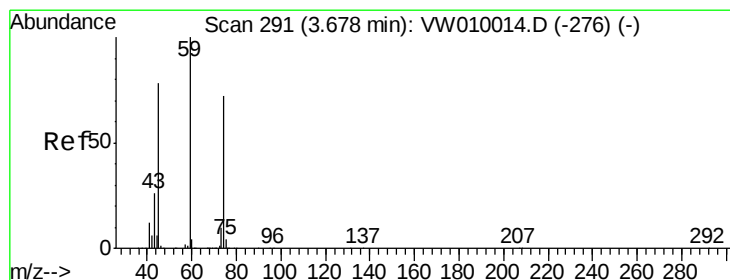
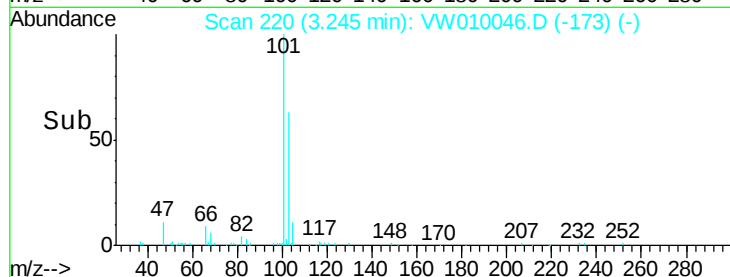
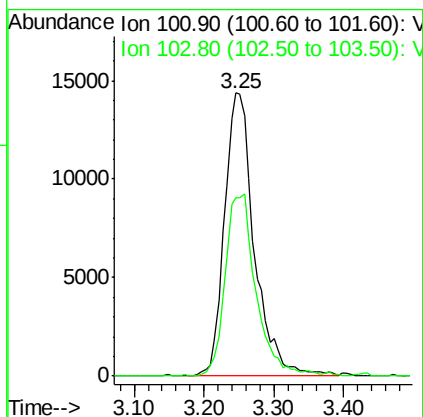
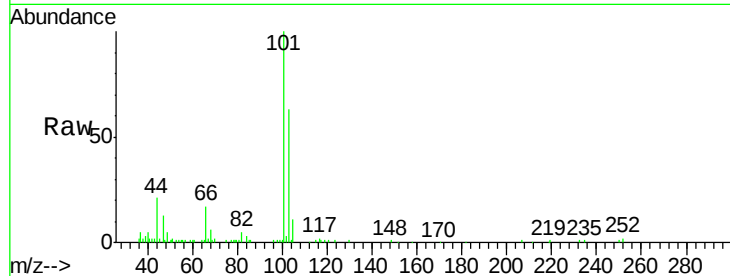
Trichlorofluoromethane
 Concen: 18.002 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

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 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	49.8	74.6

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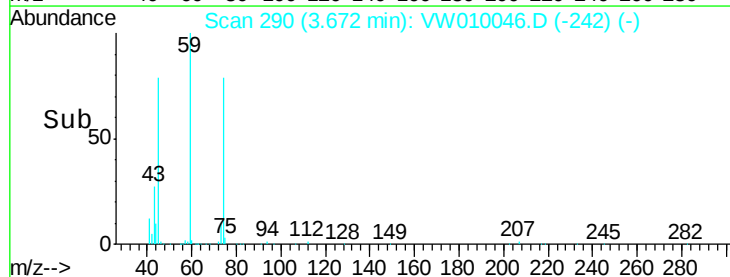
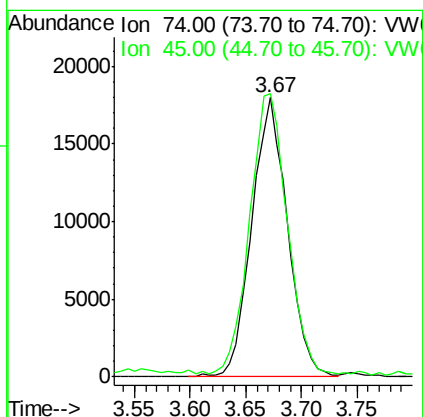
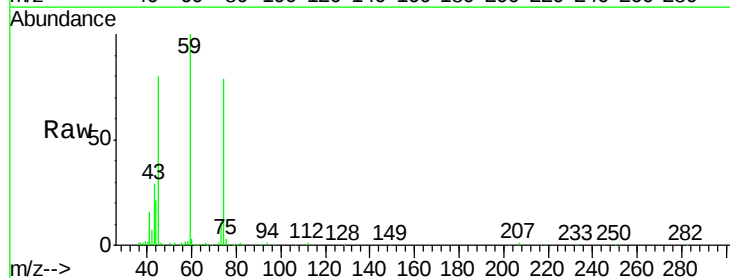
MMDadoda
 4/19/2019 12:53:04 PM

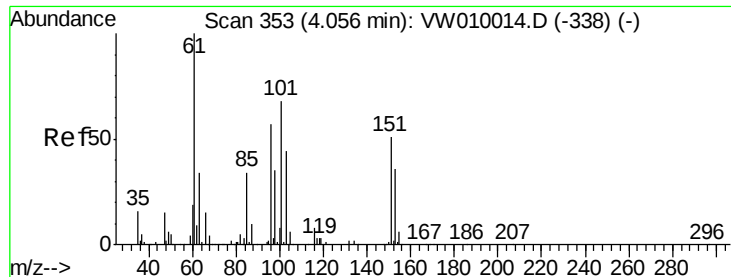


#8

Diethyl Ether
 Concen: 20.277 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.105 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

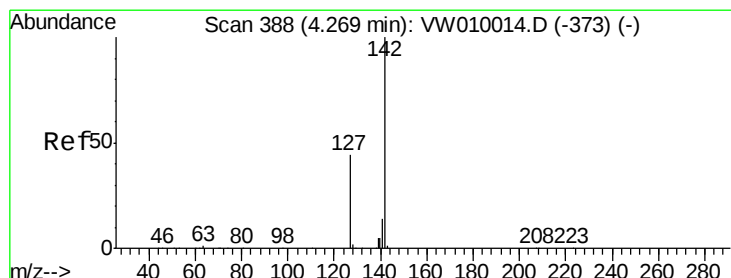
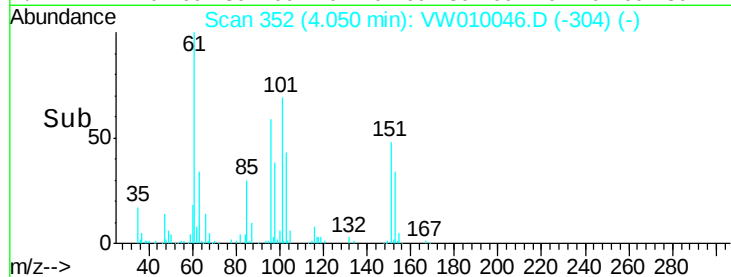
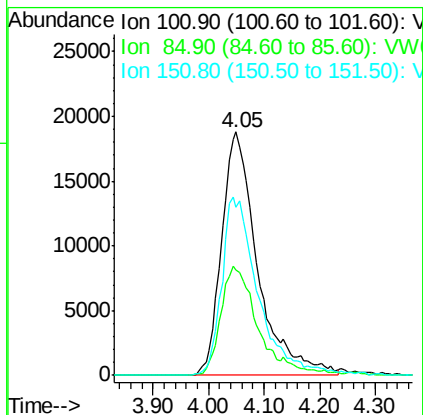
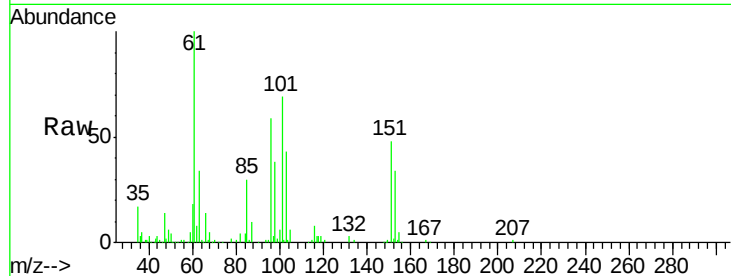
ClientSampleId :

VW0418SBS01

Tot Ion:	101	Resp:	84408
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.3	54.5
151	74.1	60.2	90.2

Manual Integrations
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MMDadoda
4/19/2019 12:53:04 PM



#10

Methyl Iodide

Concen: 20.146 ug/l

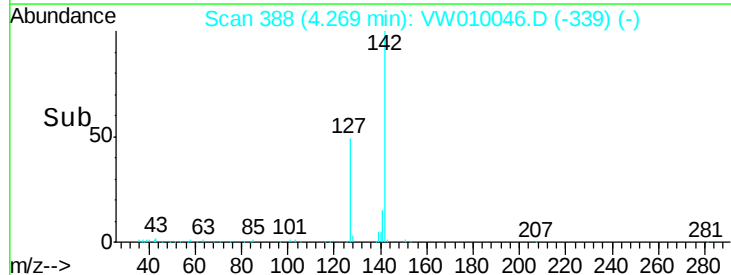
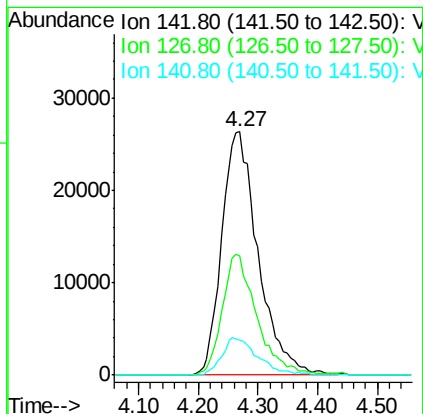
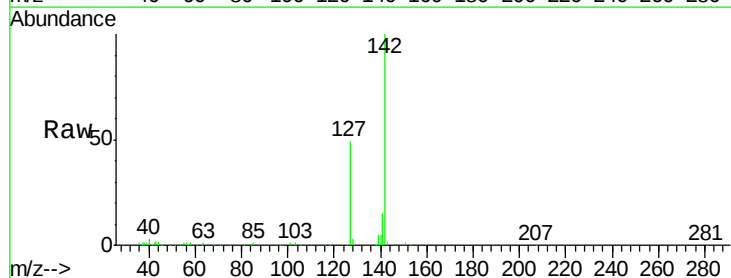
RT: 4.27 min Scan# 388

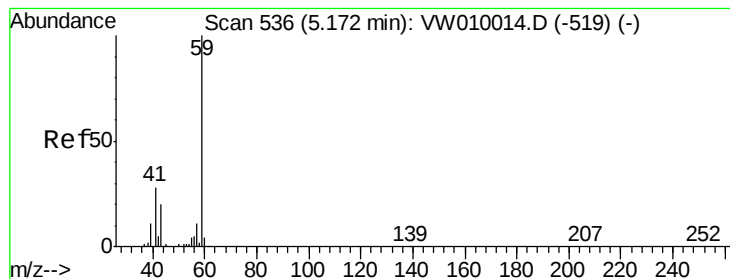
Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	142	Resp:	111349
Ion Ratio	Lower	Upper	
142	100		
127	47.3	38.1	57.1
141	15.3	12.2	18.2





#11

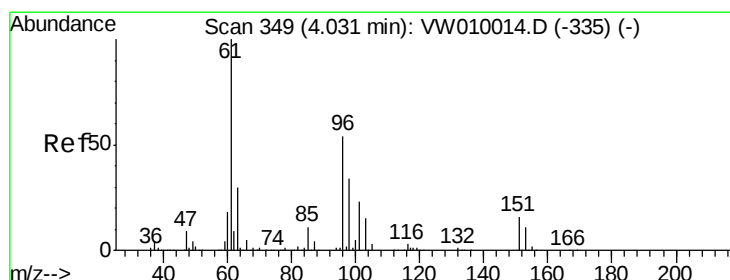
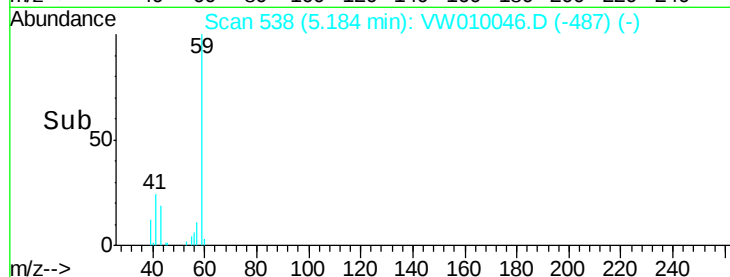
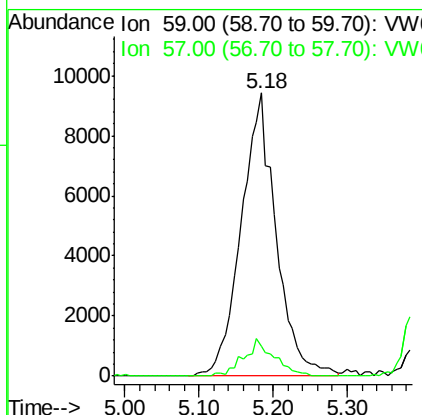
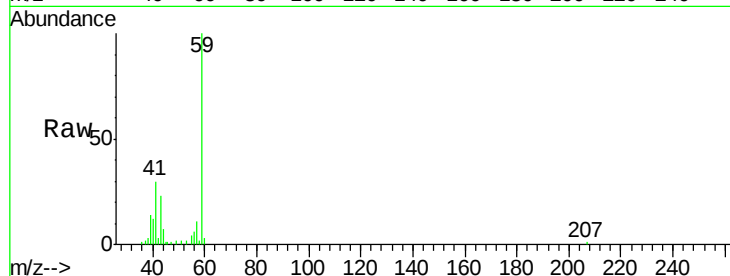
Tert butyl alcohol
 Concen: 113.488 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.4

Manual Integrations
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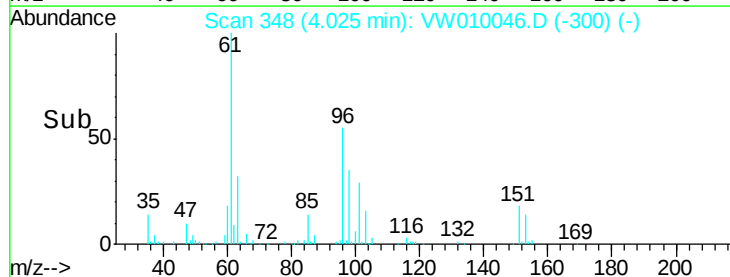
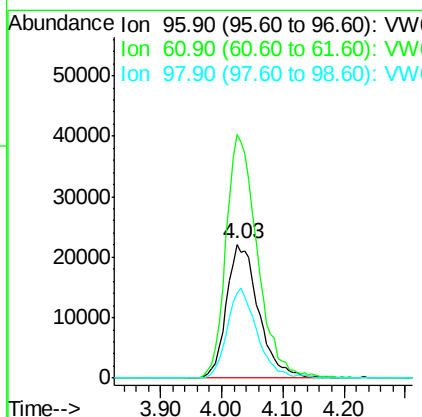
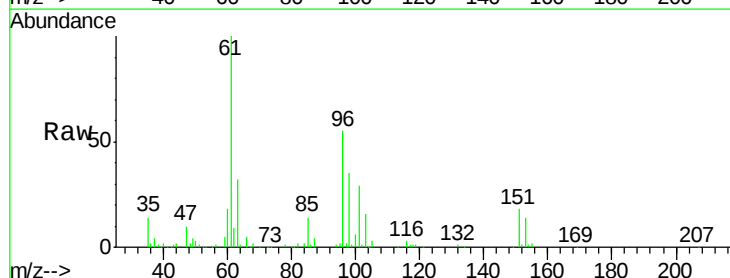
MMDadoda
 4/19/2019 12:53:04 PM

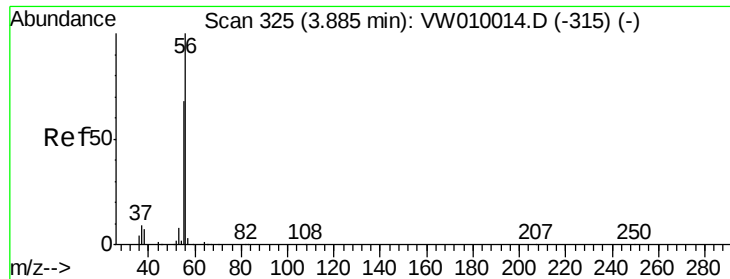


#12

1,1-Dichloroethene
 Concen: 20.995 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.4	147.4	221.2
98	63.8	49.7	74.5





#13

Acrolein

Concen: 79.690 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 56 Resp: 22857

Ion Ratio Lower Upper

56 100

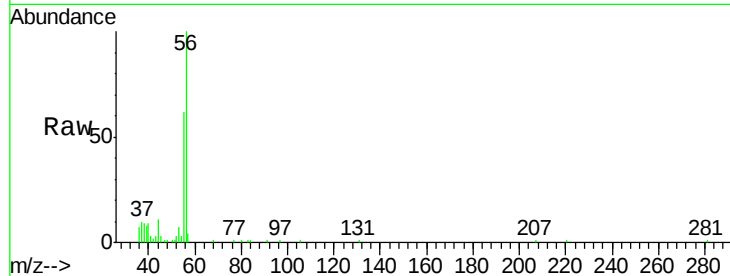
55 73.2 54.2 81.2

Manual Integrations

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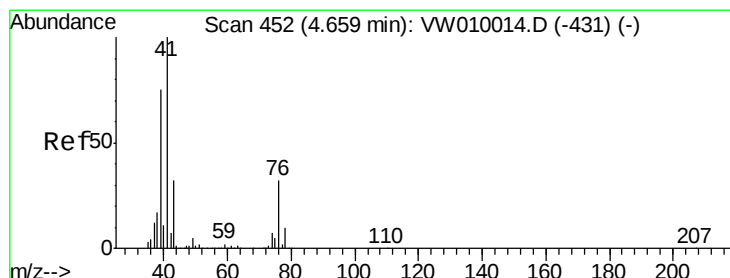
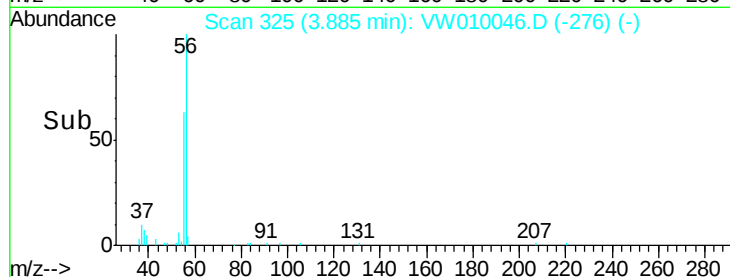
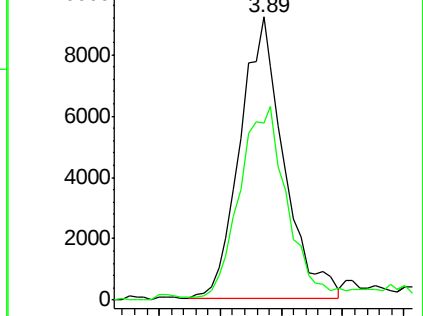
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.278 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

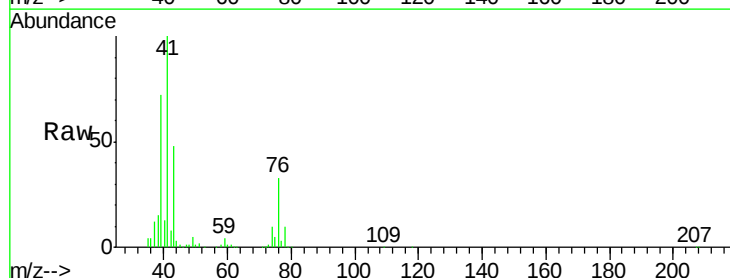
Tgt Ion: 41 Resp: 124601

Ion Ratio Lower Upper

41 100

39 76.9 60.2 90.4

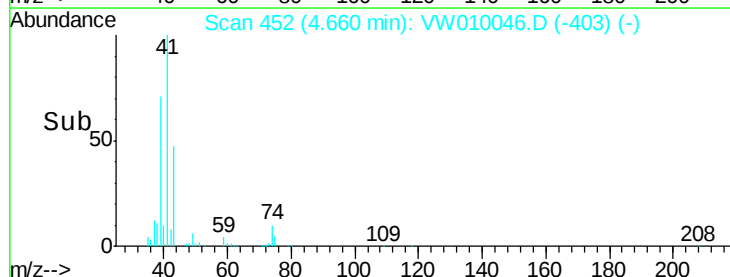
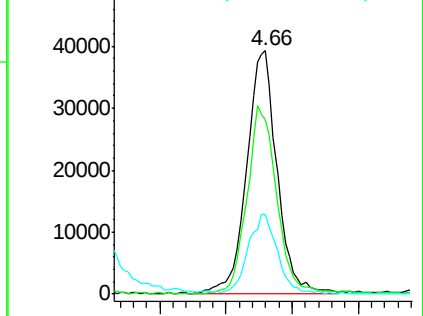
76 31.2 25.0 37.6

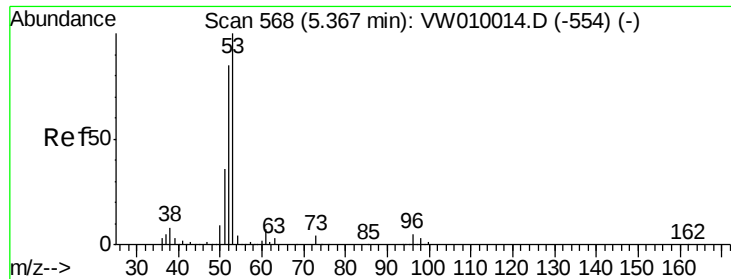


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 106.053 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

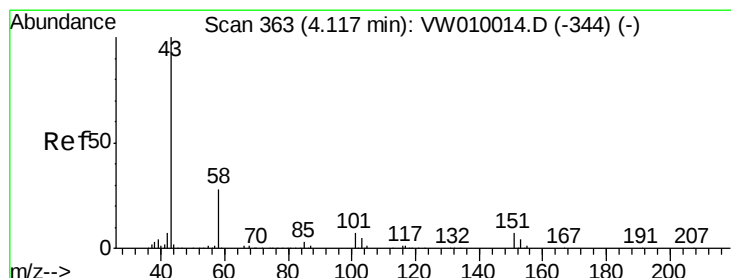
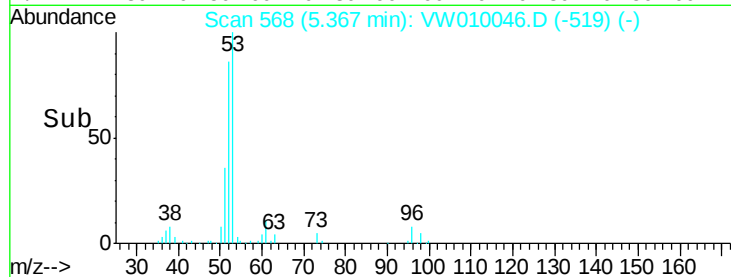
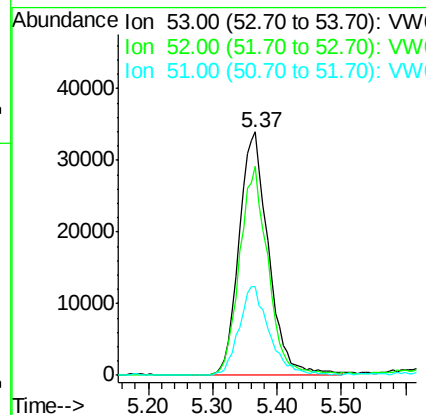
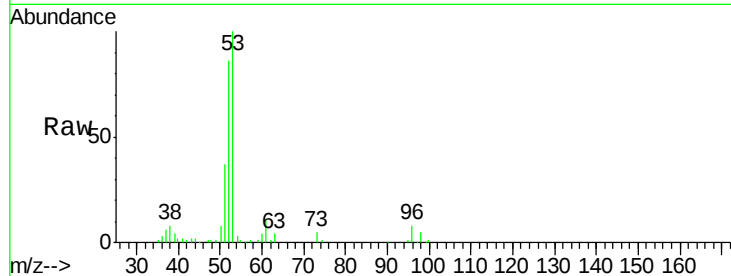
ClientSampleId :

VW0418SBS01

Tot Ion:	53	Resp:	107906
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	100.0
51	37.0	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 99.366 ug/l

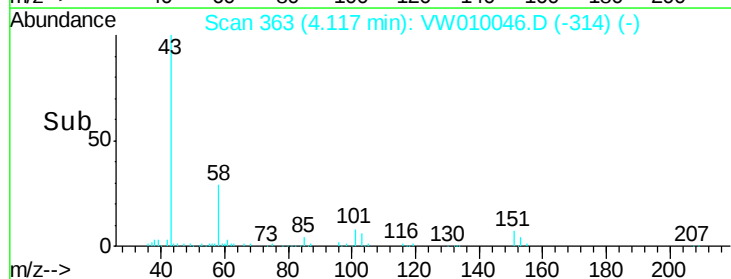
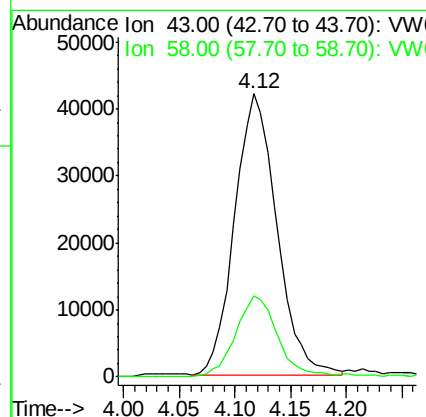
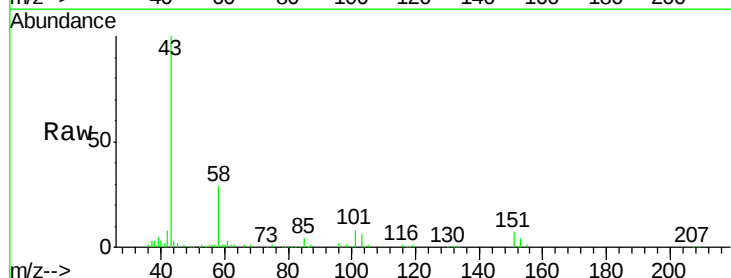
RT: 4.12 min Scan# 363

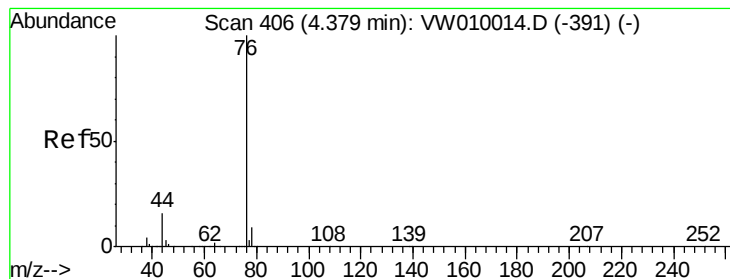
Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	43	Resp:	110350
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.7	34.1





#17

Carbon Disulfide

Concen: 18.476 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 76 Resp: 203397

Ion Ratio Lower Upper

76 100

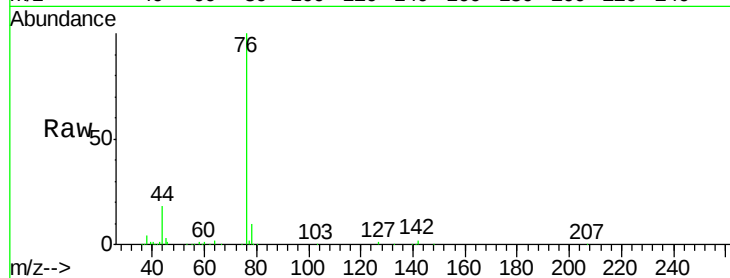
78 9.6 7.4 11.2

Manual Integrations

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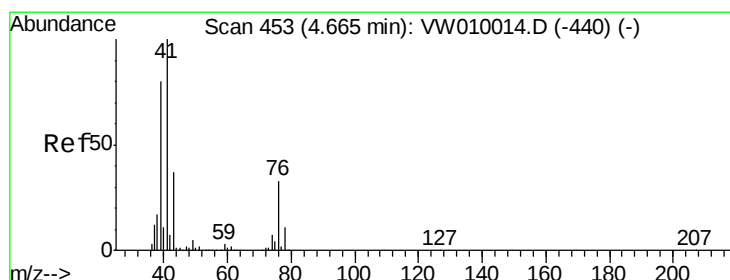
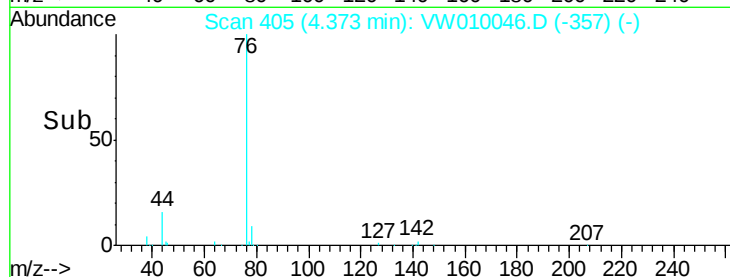
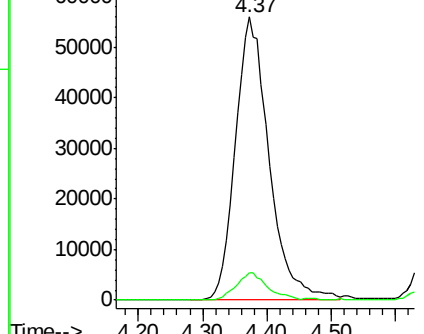
MMDadoda

4/19/2019 12:53:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.370 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010046.D

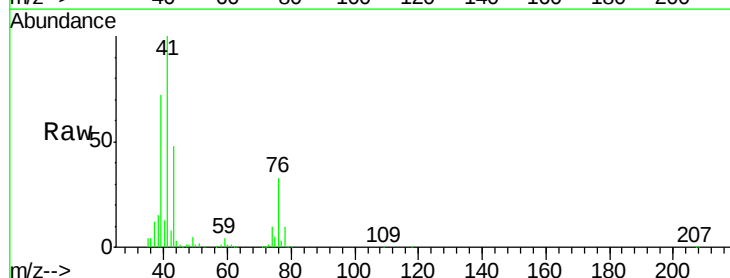
Acq: 18 Apr 2019 15:39

Tgt Ion: 43 Resp: 54927

Ion Ratio Lower Upper

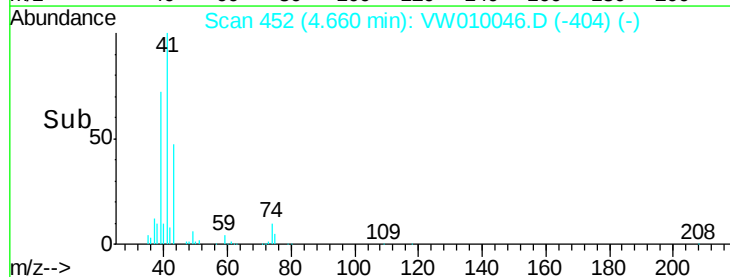
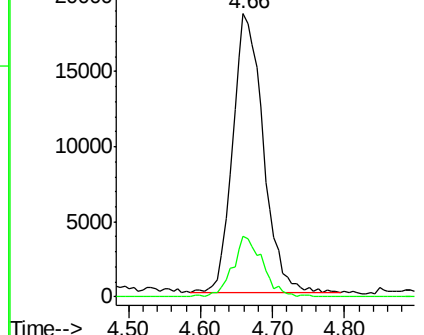
43 100

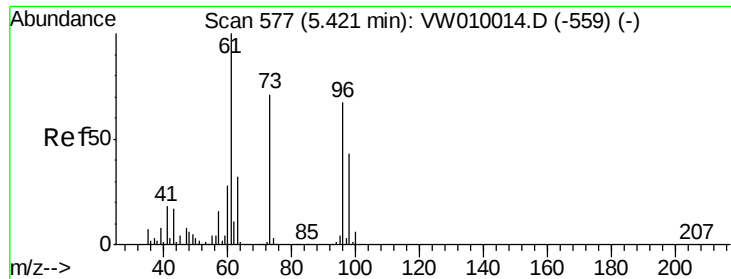
74 21.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





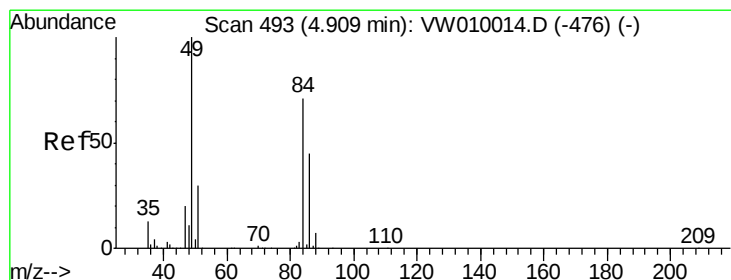
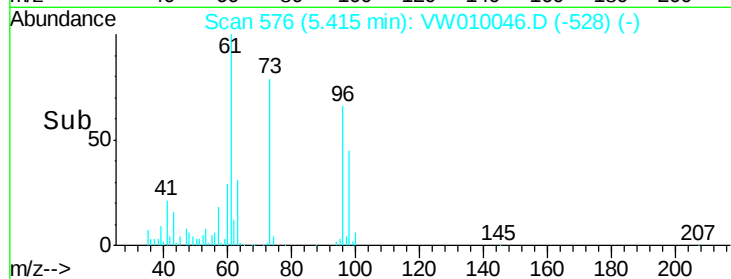
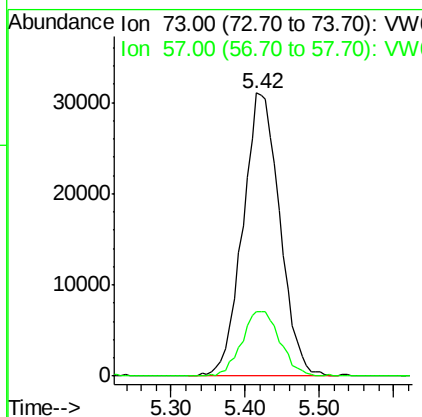
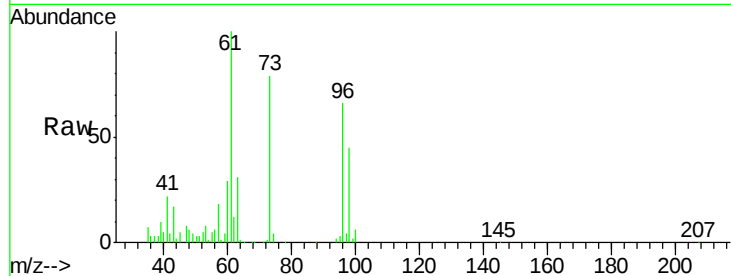
#19
Methvl tert-butvl Ether
Concen: 21.700 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion: 73 Resp: 108072
Ion Ratio Lower Upper
73 100
57 23.0 18.5 27.7

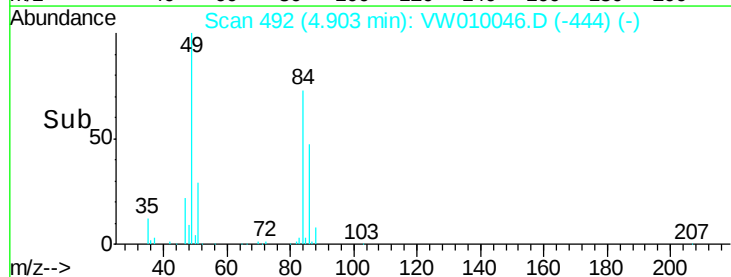
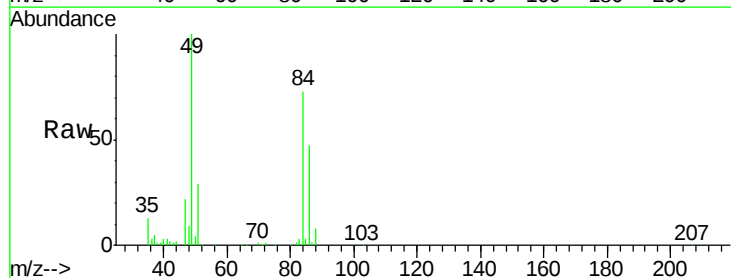
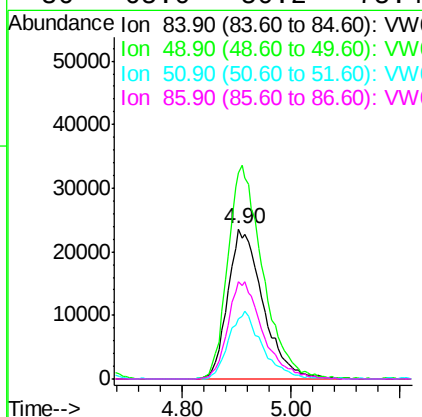
Manual Integrations
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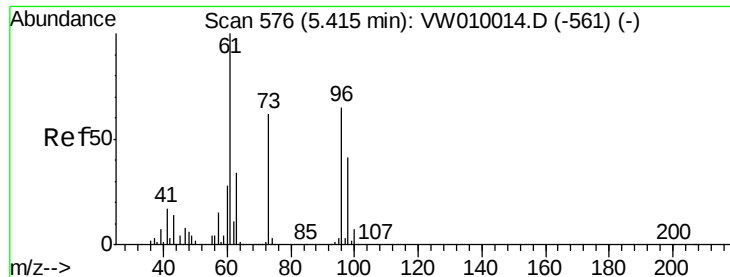
MMDadoda
4/19/2019 12:53:04 PM



#20
Methylene Chloride
Concen: 22.243 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion: 84 Resp: 106369
Ion Ratio Lower Upper
84 100
49 137.7 112.3 168.5
51 40.2 33.9 50.9
86 65.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.215 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

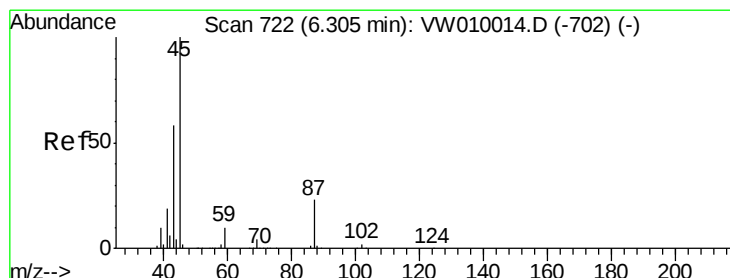
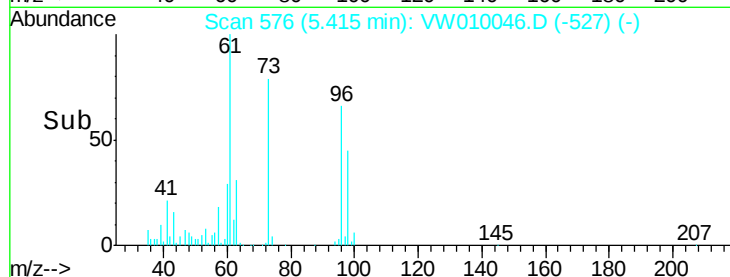
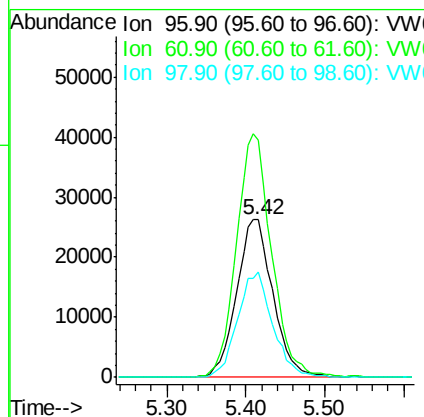
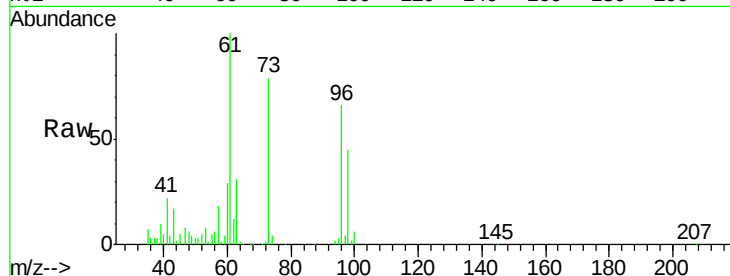
ClientSampleId :

VW0418SBS01

Tot Ion:	96	Resp:	83936
Ion	Ratio	Lower	Upper
96	100		
61	150.4	122.3	183.5
98	66.9	50.5	75.7

Manual Integrations
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4/19/2019 12:53:04 PM



#22

Diisopropyl ether

Concen: 21.598 ug/l

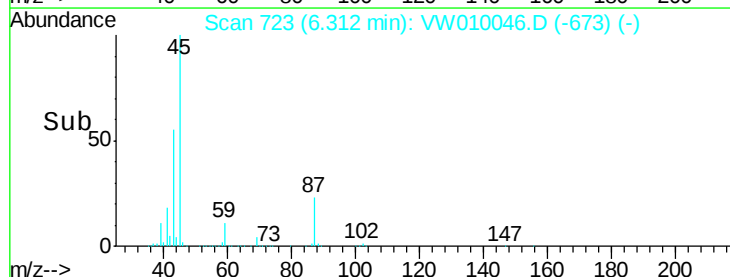
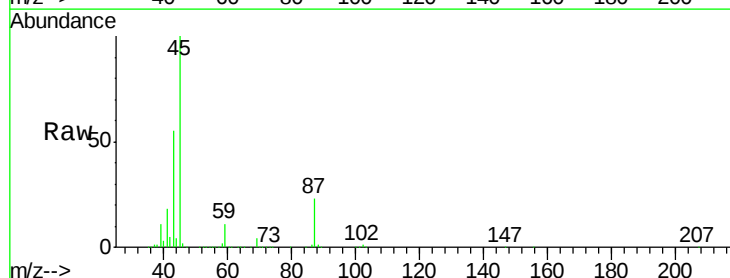
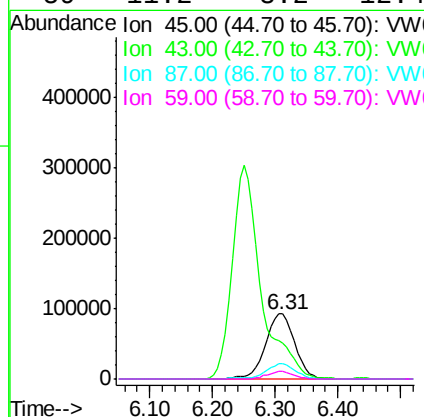
RT: 6.31 min Scan# 723

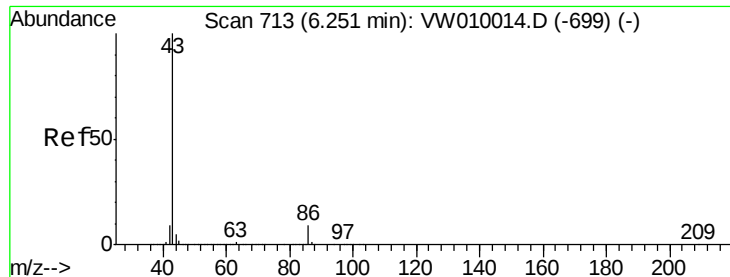
Delta R.T. 0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	45	Resp:	298644
Ion	Ratio	Lower	Upper
45	100		
43	54.7	46.1	69.1
87	22.8	18.3	27.5
59	11.2	8.2	12.4





#23

Vinyl Acetate

Concen: 110.923 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 43 Resp: 965542

Ion Ratio Lower Upper

43 100

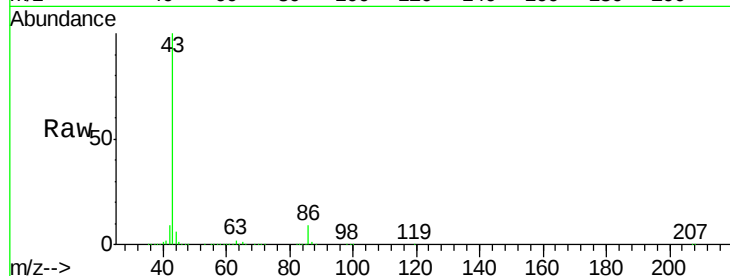
86 9.0 7.0 10.6

Manual Integrations

APPROVED

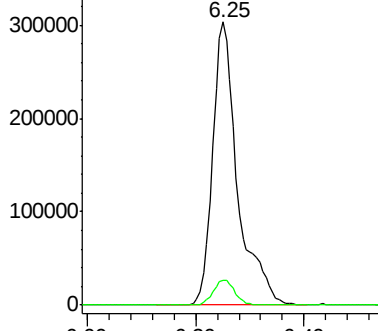
MMDadoda

4/19/2019 12:53:04 PM

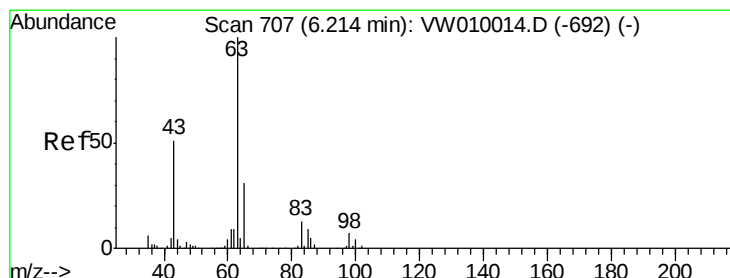
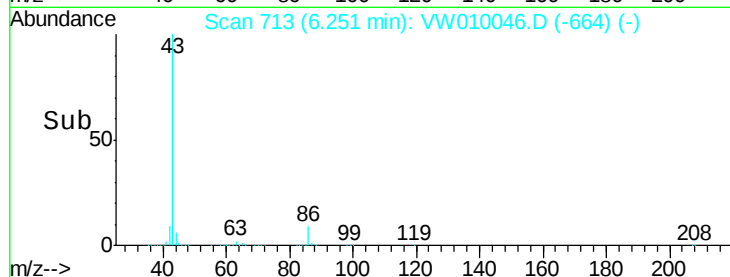


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.738 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

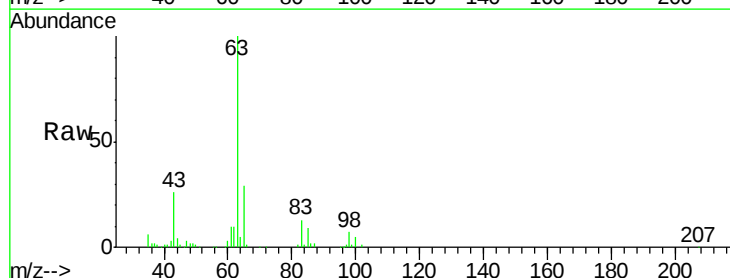
Tgt Ion: 63 Resp: 171420

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

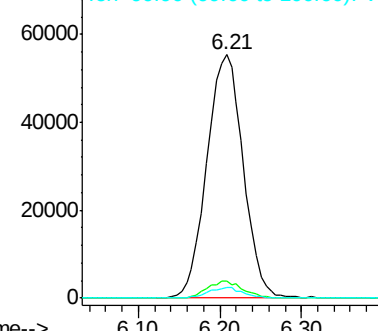
100 4.5 2.0 6.0



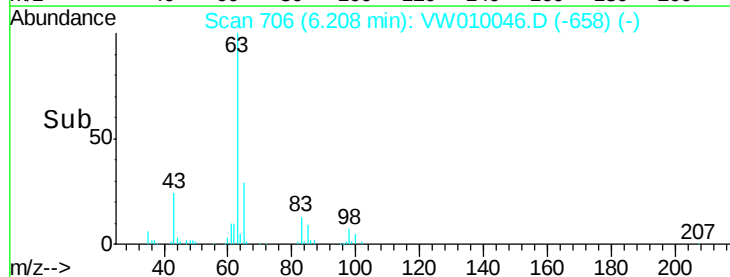
Abundance Ion 62.90 (62.60 to 63.60): VW

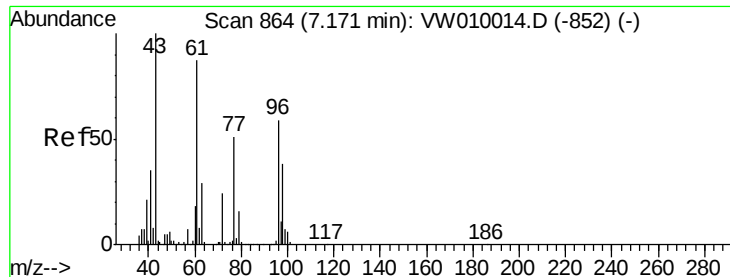
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 113.912 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampled :

VW0418SBS01

Tot Ion: 43 Resp: 166177

Ion Ratio Lower Upper

43 100

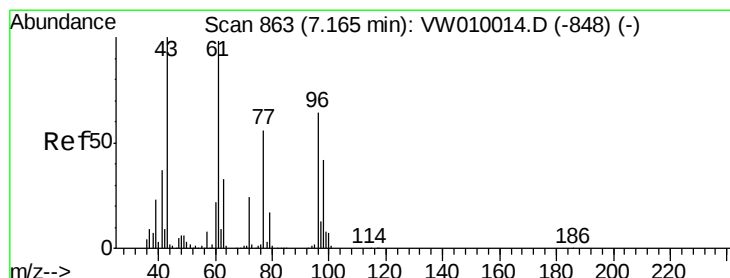
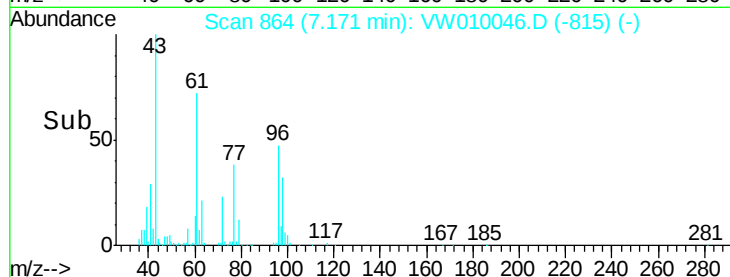
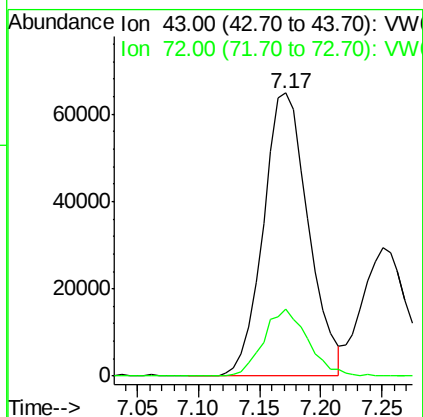
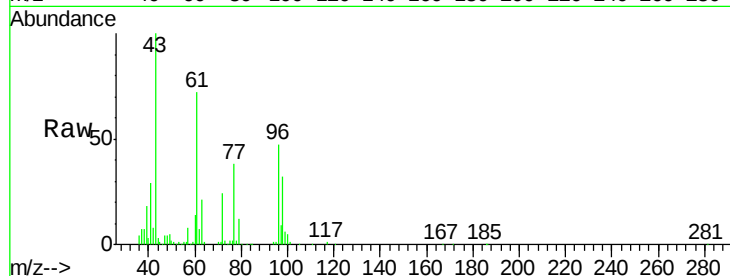
72 23.5 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

4/19/2019 12:53:04 PM



#26

2,2-Dichloropropane

Concen: 19.990 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010046.D

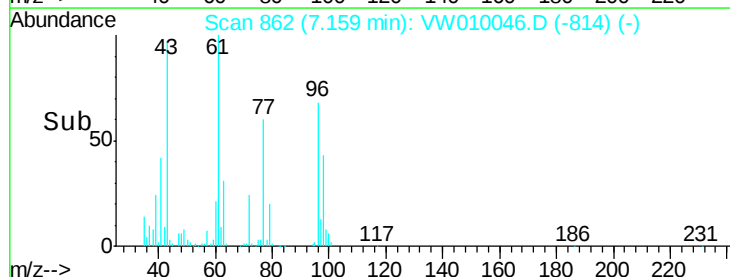
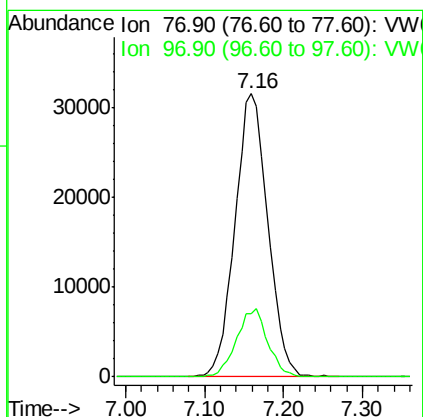
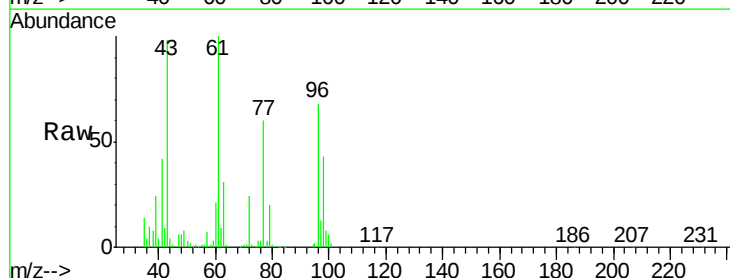
Acq: 18 Apr 2019 15:39

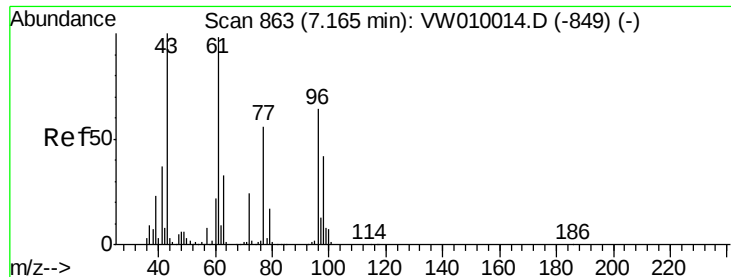
Tgt Ion: 77 Resp: 91419

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9





#27

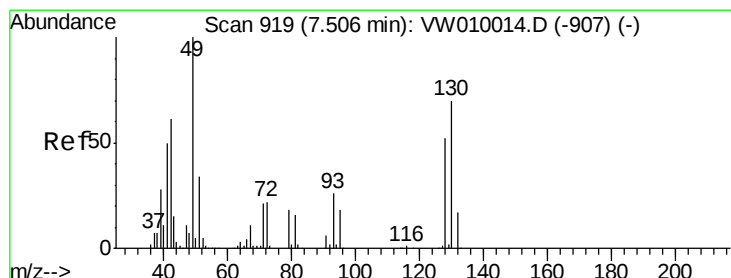
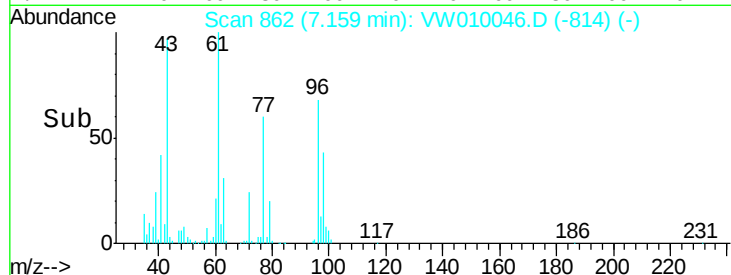
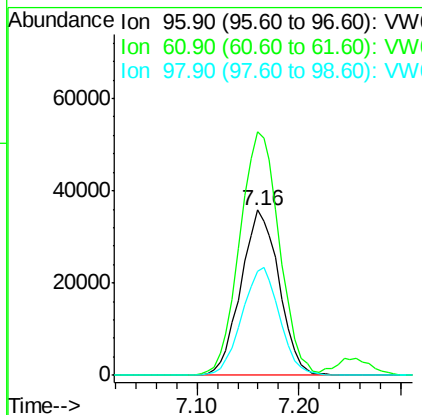
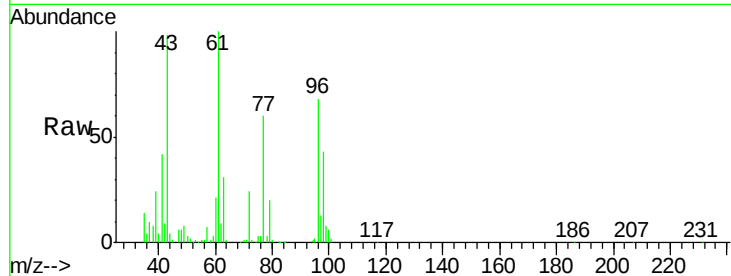
cis-1,2-Dichloroethene
Concen: 20.372 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	309.4
98	64.6	0.0	128.6

Manual Integrations
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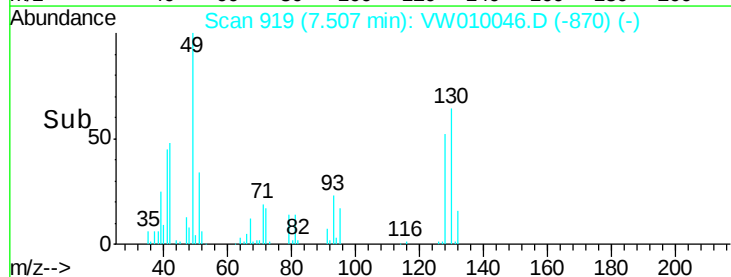
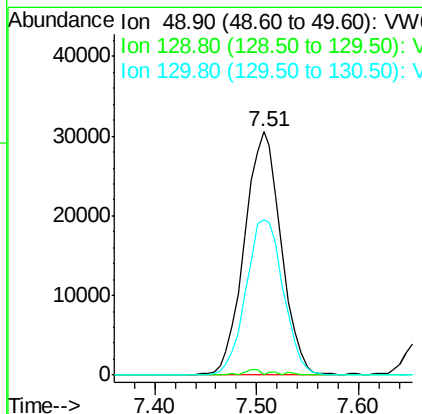
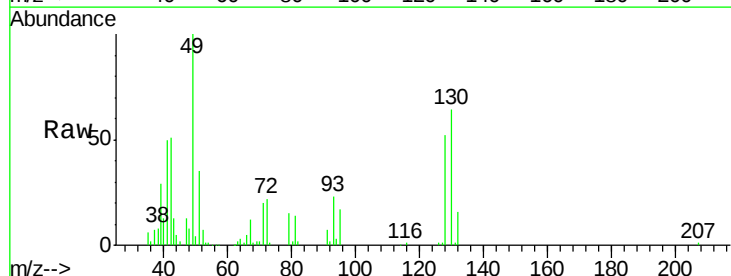
MMDadoda
4/19/2019 12:53:04 PM

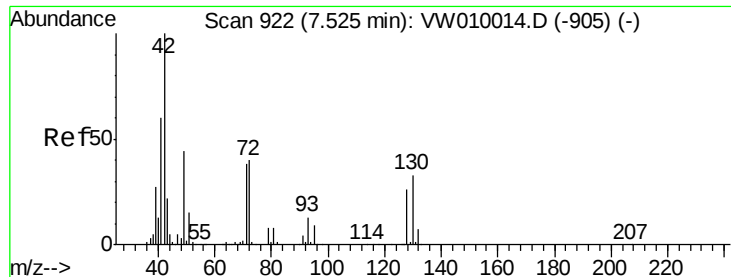


#28

Bromochloromethane
Concen: 22.574 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	65.1	54.6	82.0





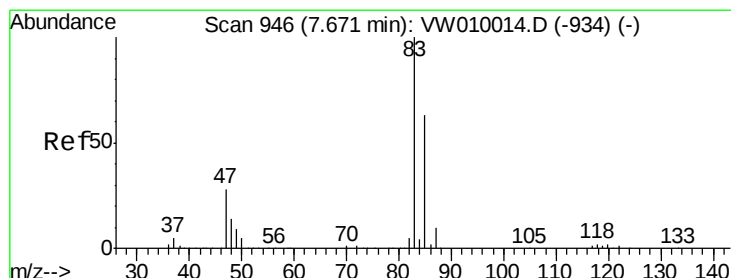
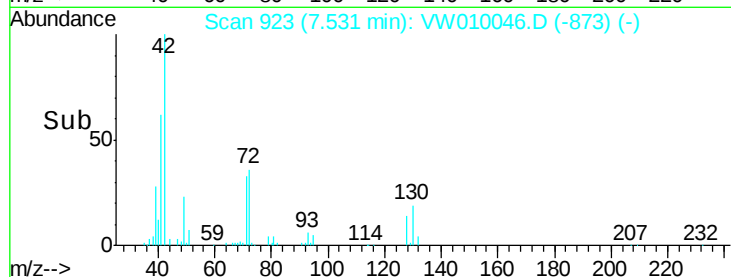
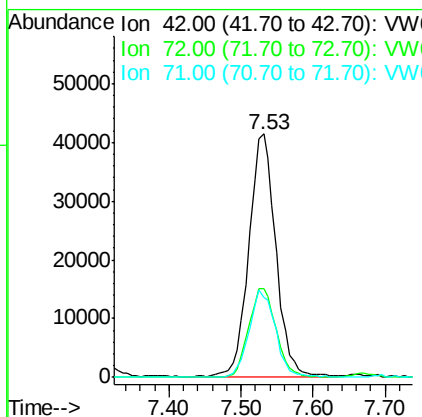
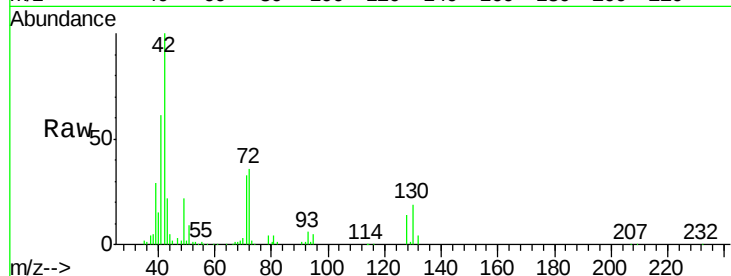
#29
Tetrahydrofuran
Concen: 115.767 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	31.0	46.6
71	35.5	29.7	44.5

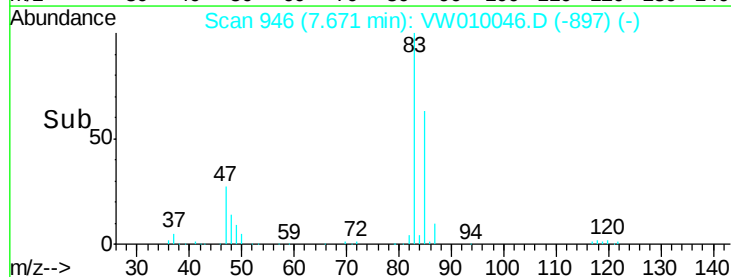
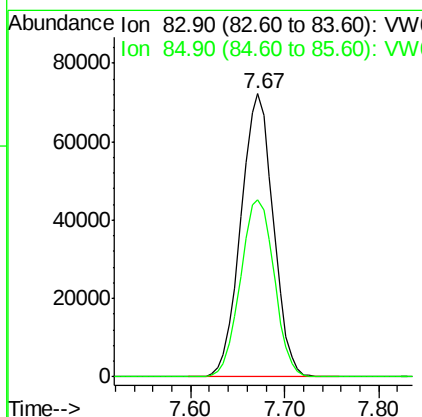
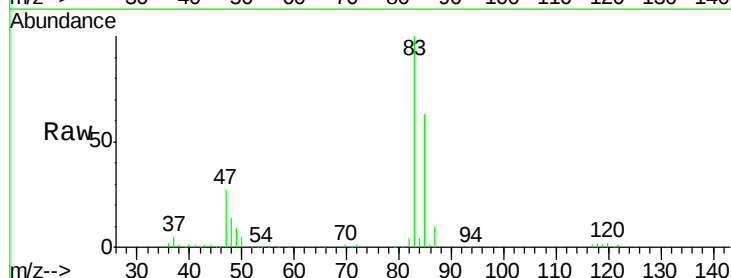
Manual Integrations
APPROVED

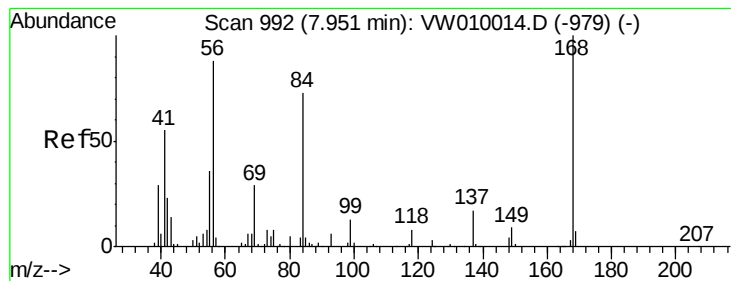
MMDadoda
4/19/2019 12:53:04 PM



#30
Chloroform
Concen: 20.867 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.7	76.1





#31

Cyclohexane

Concen: 20.482 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

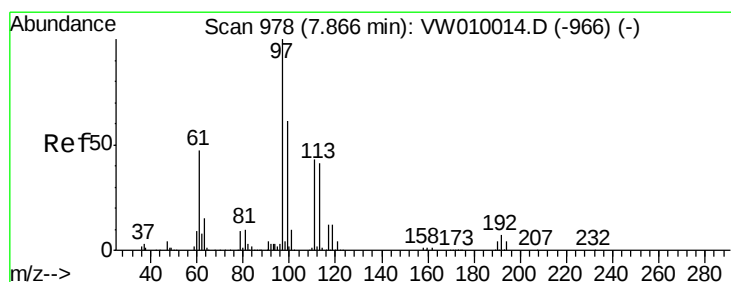
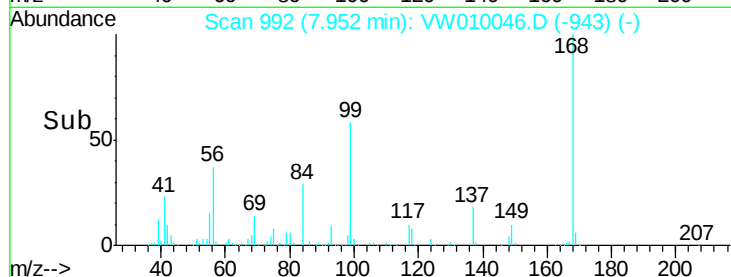
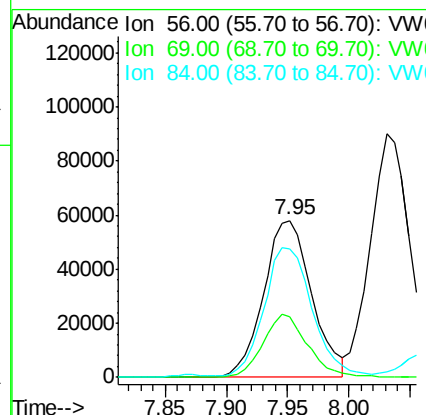
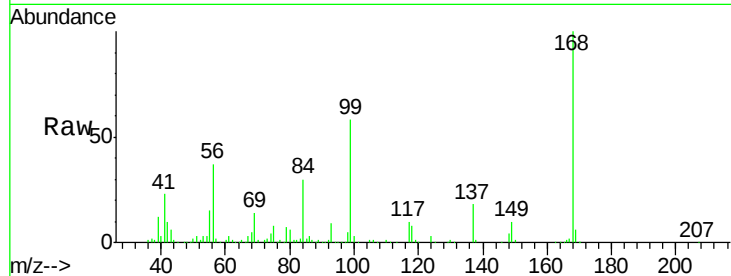
ClientSampleId :

VW0418SBS01

Tot Ion:	56	Resp:	158542
Ion Ratio	Lower	Upper	
56	100		
69	38.5	26.6	40.0
84	79.8	66.2	99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.404 ug/l

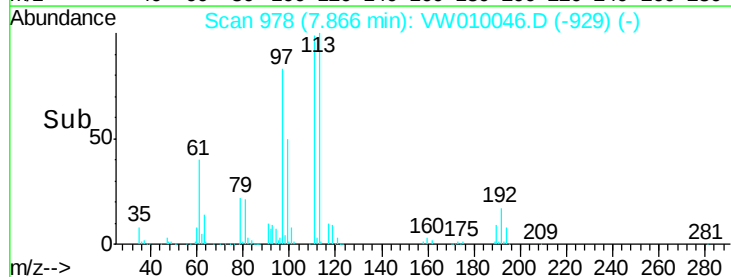
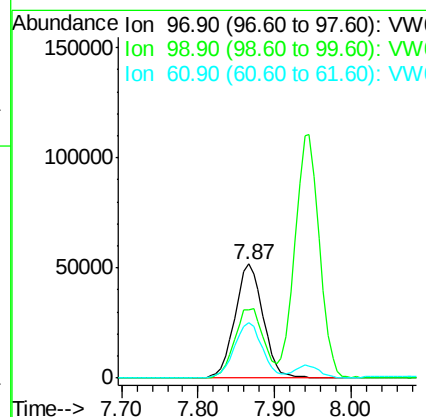
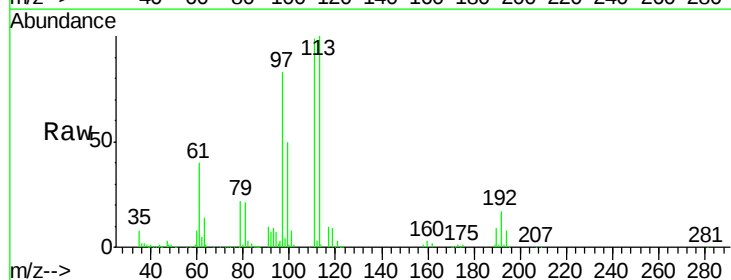
RT: 7.87 min Scan# 978

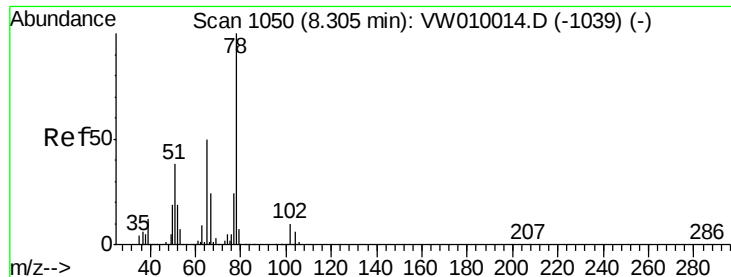
Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	97	Resp:	132674
Ion Ratio	Lower	Upper	
97	100		
99	62.9	50.2	75.2
61	48.2	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 55.349 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampled :

VW0418SBS01

Tot Ion: 65 Resp: 264923

Ion Ratio Lower Upper

65 100

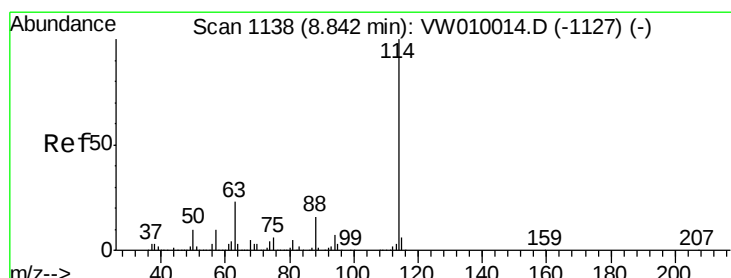
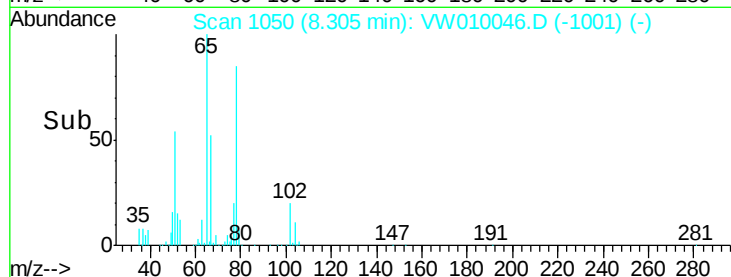
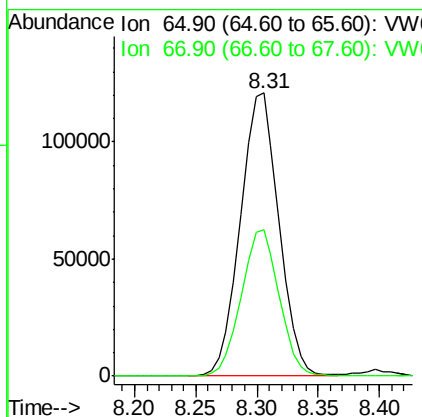
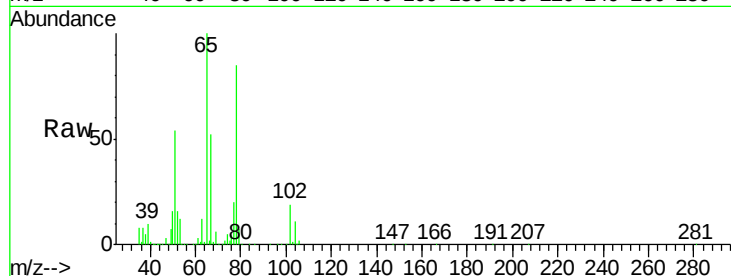
67 50.8 0.0 100.8

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: VW010046.D

Acq: 18 Apr 2019 15:39

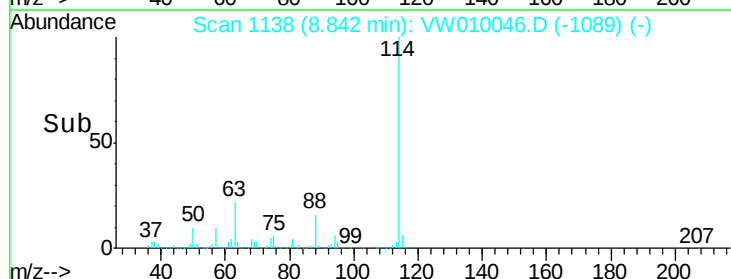
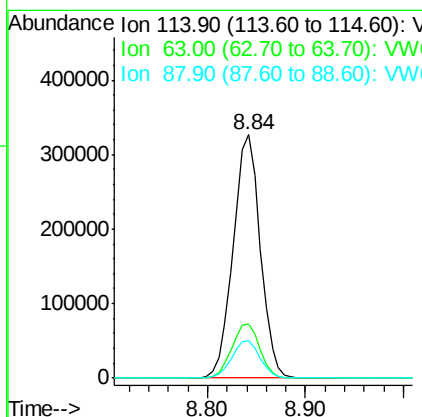
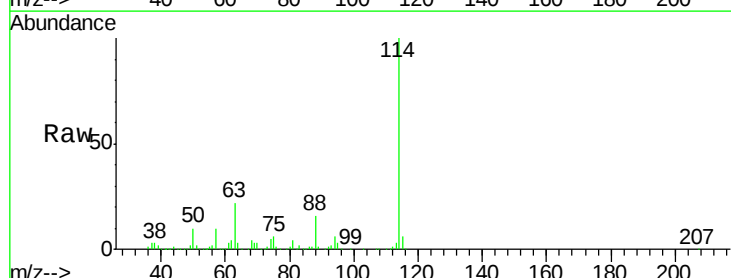
Tgt Ion: 114 Resp: 628720

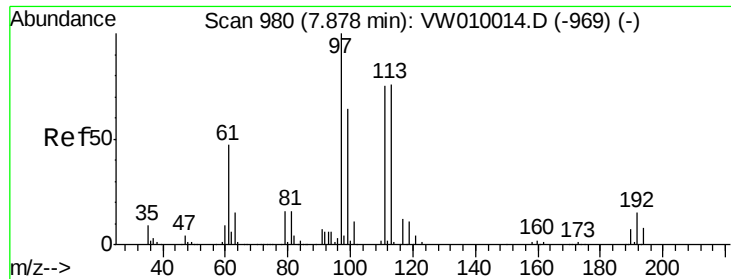
Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.2

88 15.6 0.0 32.6





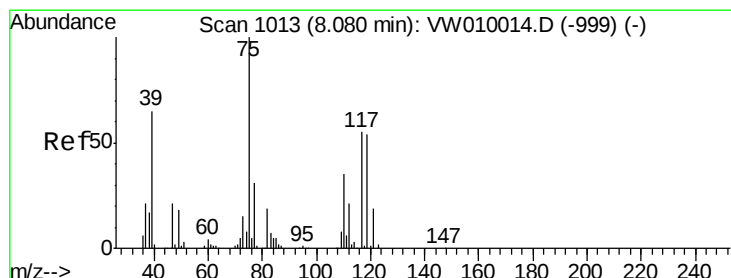
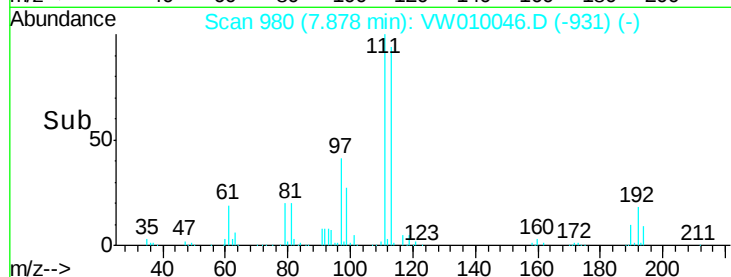
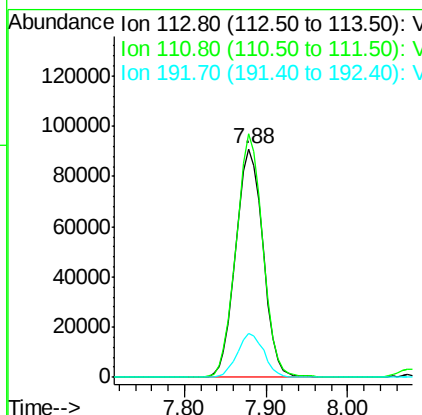
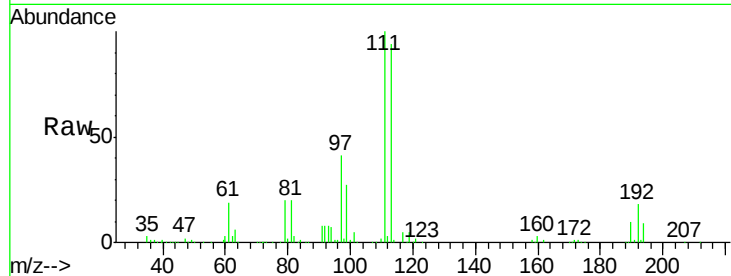
#35
 Dibromofluoromethane
 Concen: 52.853 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211263		
111	103.9	82.6	123.8	
192	18.8	15.4	23.2	

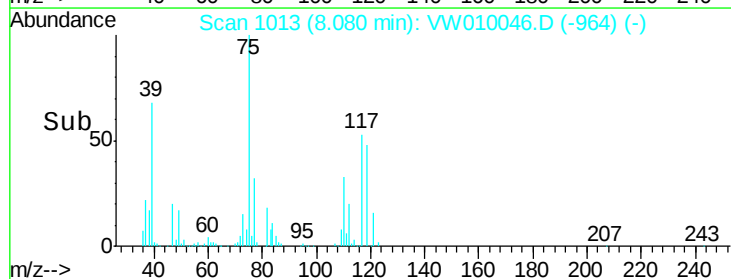
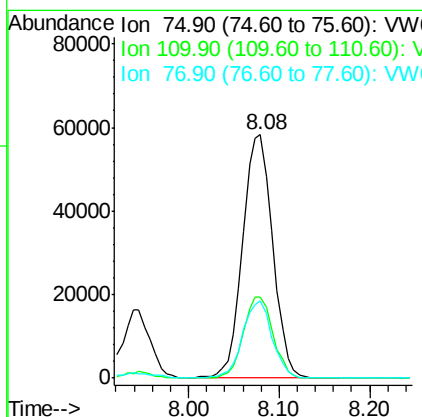
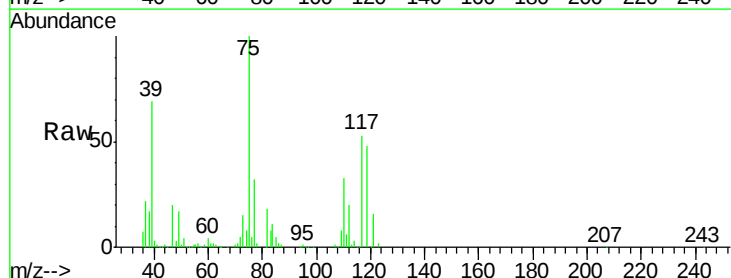
Manual Integrations
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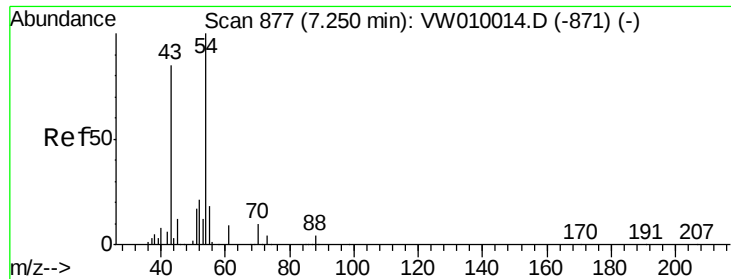
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#36
 1,1-Dichloropropene
 Concen: 20.875 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134062		
110	33.0	16.6	49.8	
77	31.5	24.8	37.2	





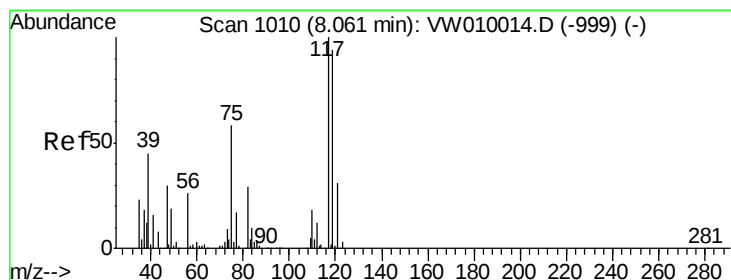
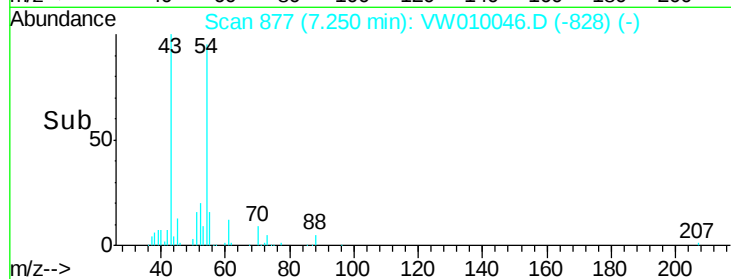
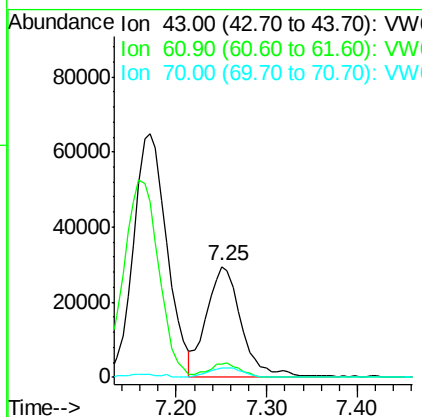
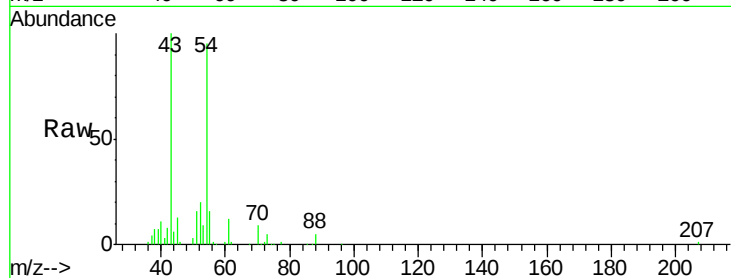
#37
Ethyl Acetate
Concen: 24.123 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	8.8	7.4	11.0

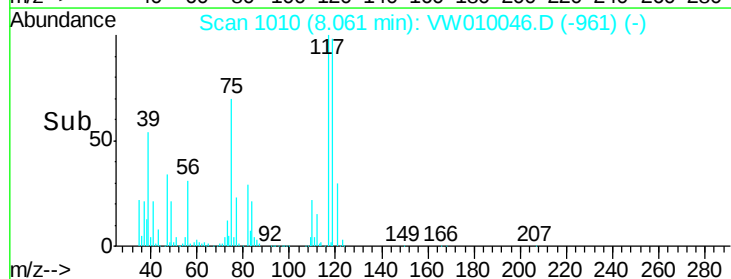
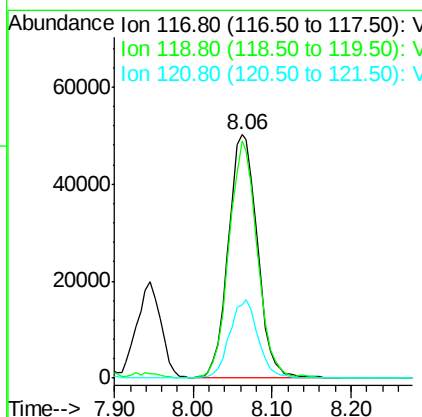
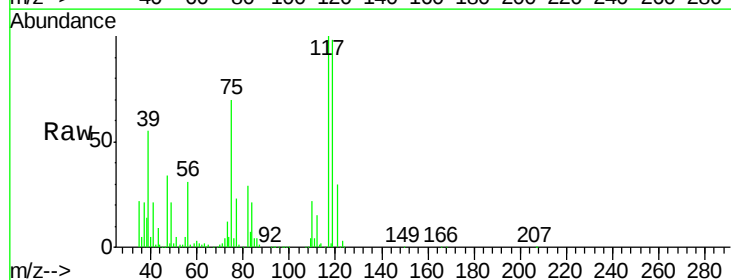
Manual Integrations
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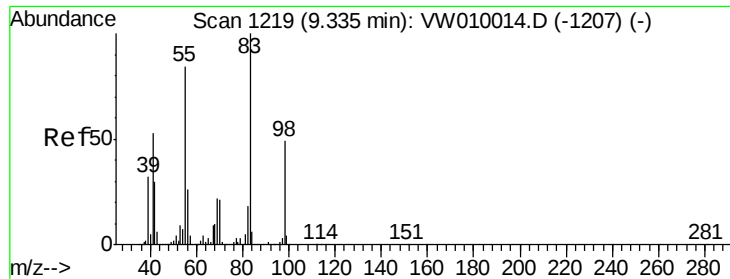
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#38
Carbon Tetrachloride
Concen: 20.513 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.3	112.9
121	30.2	24.4	36.6





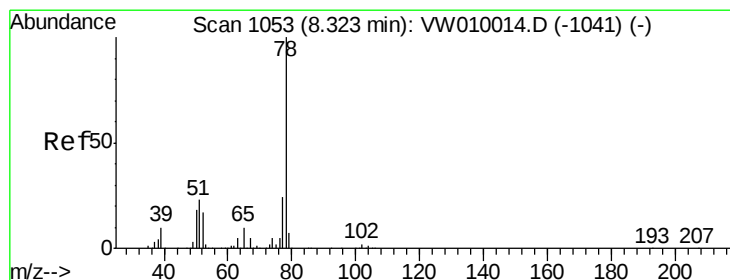
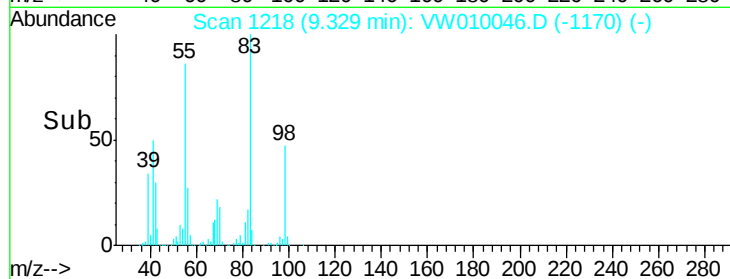
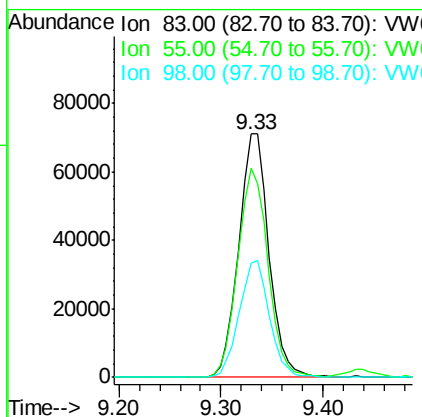
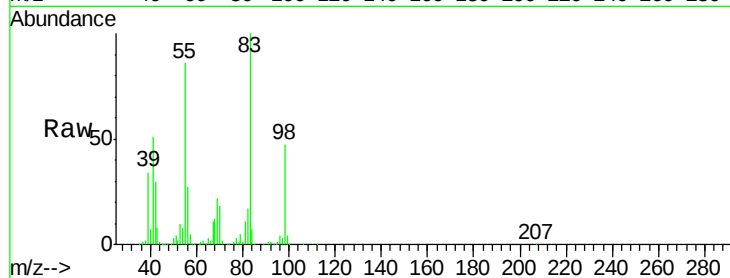
#39
Methvlcvclohexane
Concen: 19.481 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.7	67.1	100.7
98	46.9	39.2	58.8

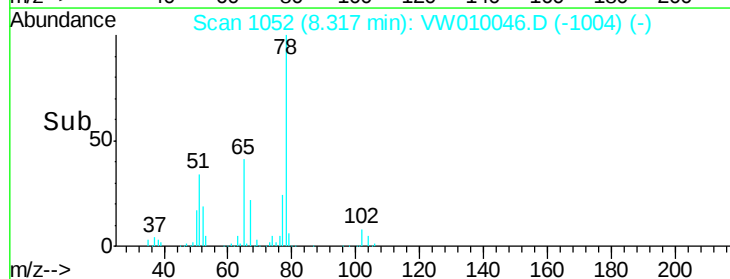
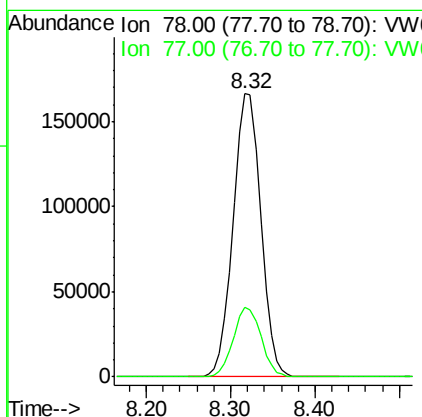
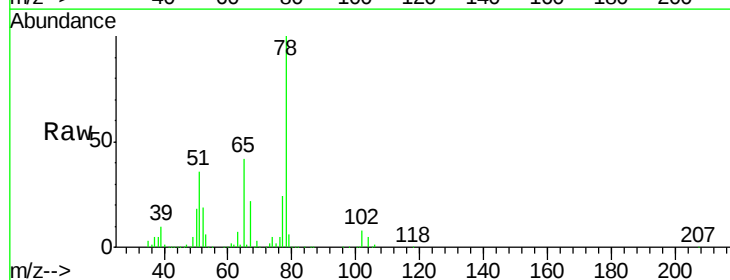
Manual Integrations
APPROVED

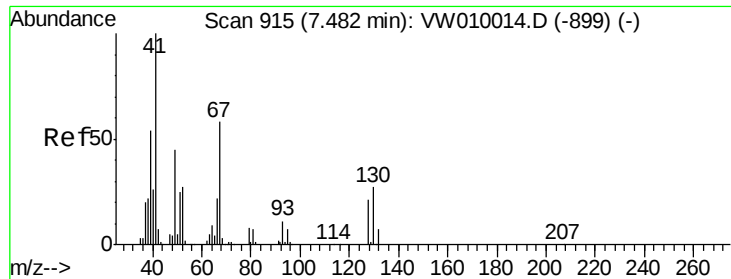
MMDadoda
4/19/2019 12:53:04 PM



#40
Benzene
Concen: 21.085 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





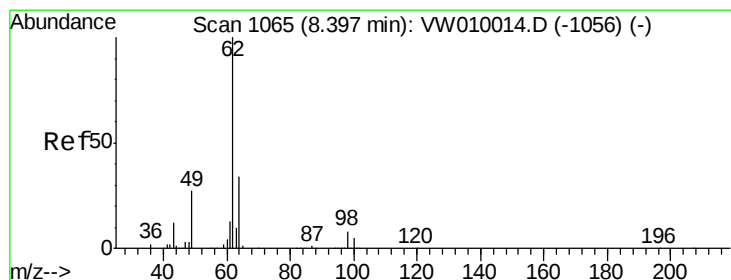
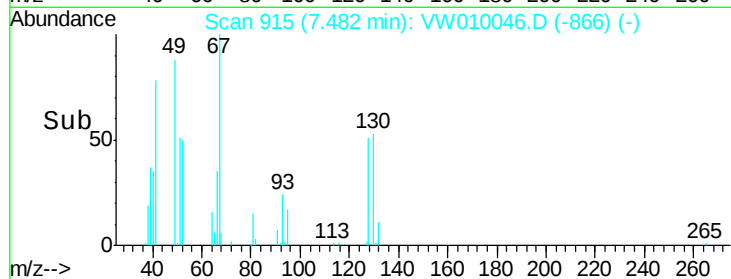
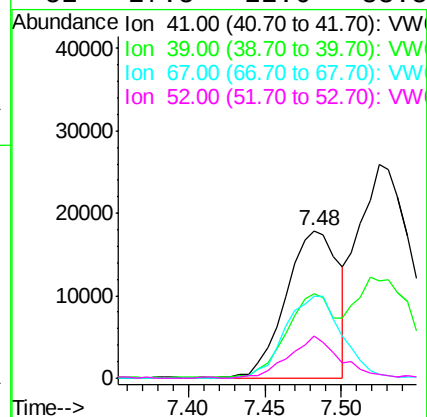
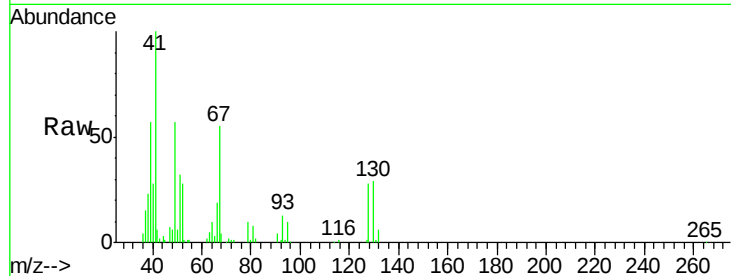
#41
Methacrylonitrile
Concen: 23.083 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		42933		
39	54.0	45.0	67.4		
67	60.5	50.7	76.1		
52	27.5	22.6	33.8		

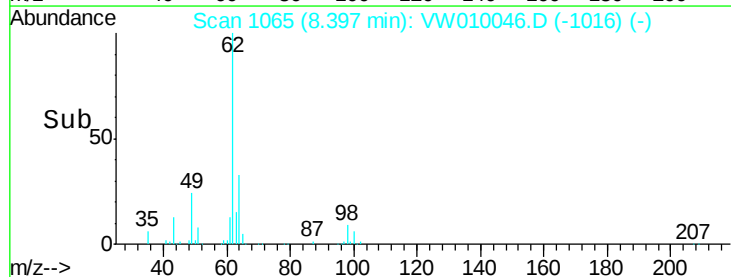
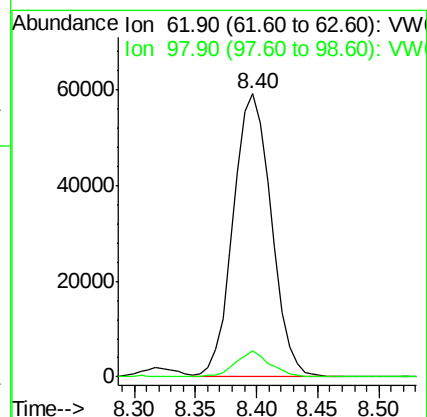
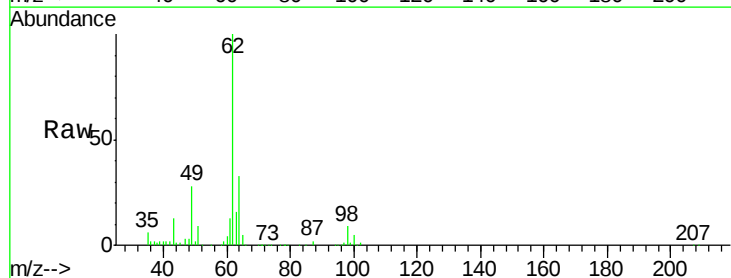
Manual Integrations
APPROVED

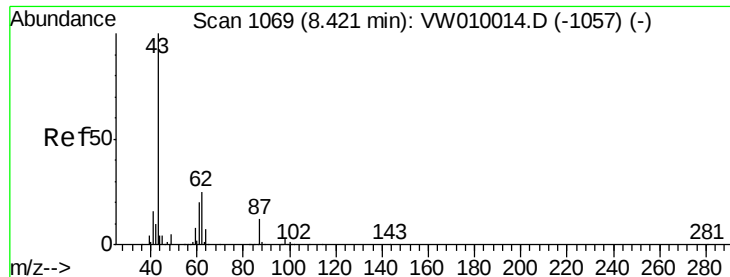
MMDadoda
4/19/2019 12:53:04 PM



#42
1,2-Dichloroethane
Concen: 21.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		127862		
98	8.2	0.0	16.6		





#43

Isopropyl Acetate

Concen: 22.239 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

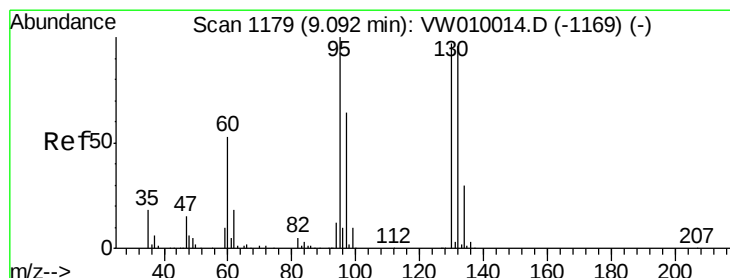
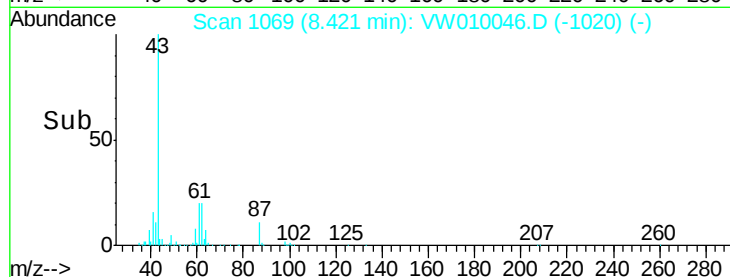
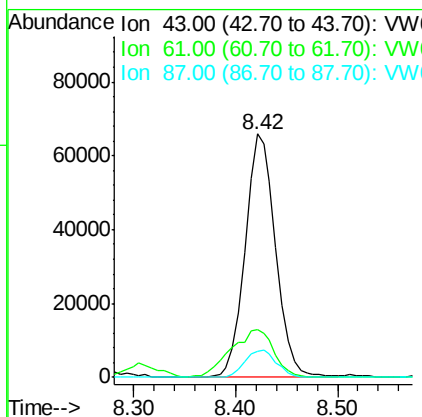
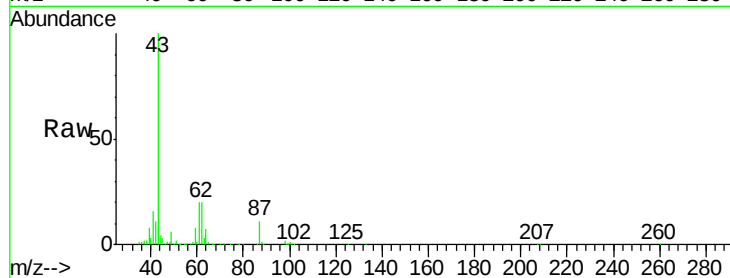
ClientSampleId :

VW0418SBS01

Tot Ion:	43	Resp:	135999
Ion	Ratio	Lower	Upper
43	100		
61	27.9	23.0	34.6
87	11.8	9.3	13.9

Manual Integrations
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4/19/2019 12:53:04 PM



#44

Trichloroethene

Concen: 20.507 ug/l

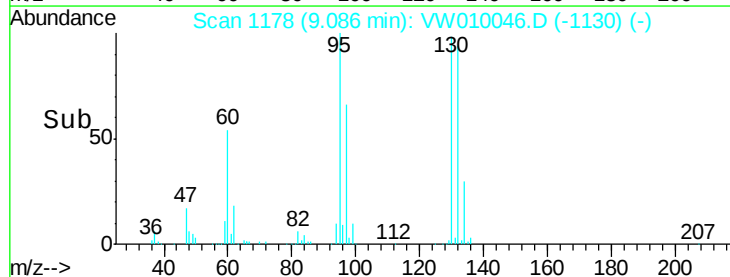
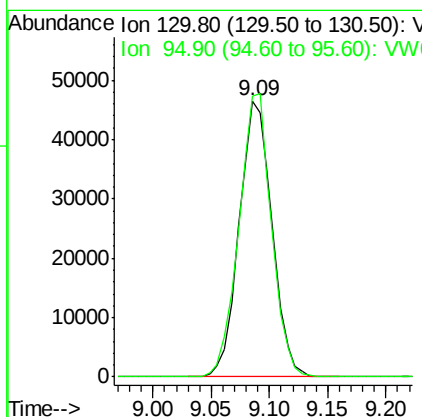
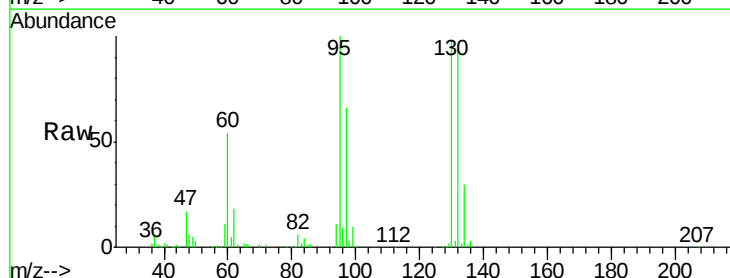
RT: 9.09 min Scan# 1178

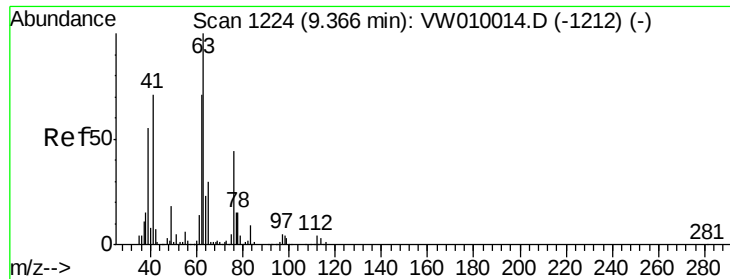
Delta R.T. -0.01 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	130	Resp:	91462
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.4





#45

1,2-Dichloropropane

Concen: 20.942 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 63 Resp: 96663

Ion Ratio Lower Upper

63 100

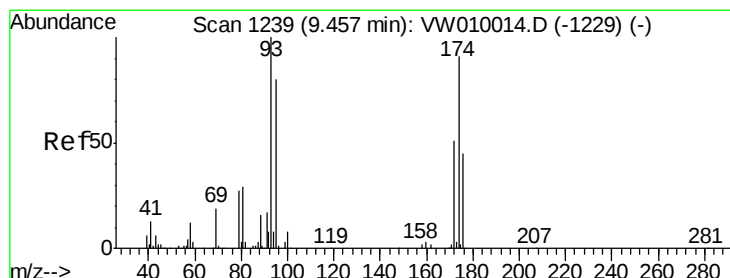
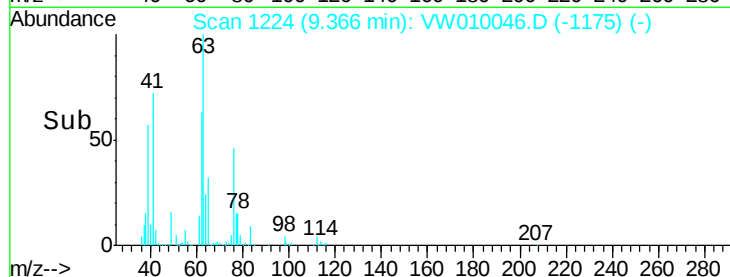
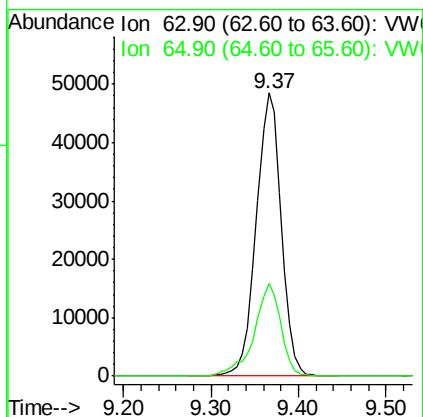
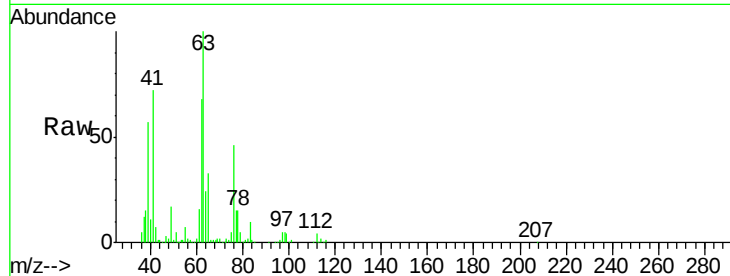
65 32.8 23.8 35.6

Manual Integrations

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4/19/2019 12:53:04 PM



#46

Dibromomethane

Concen: 21.617 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

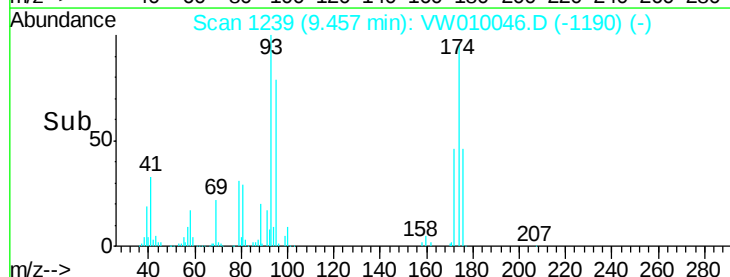
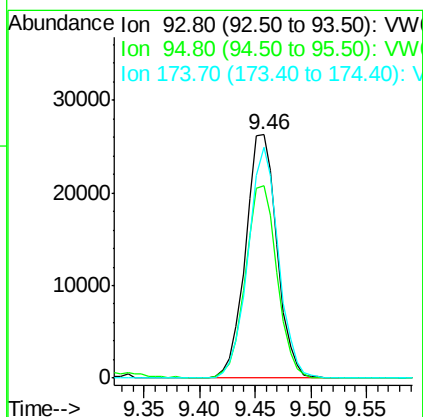
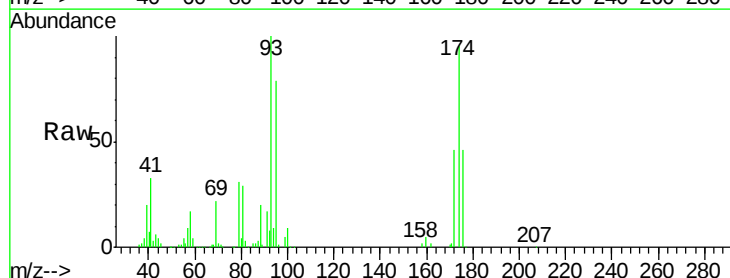
Tgt Ion: 93 Resp: 51714

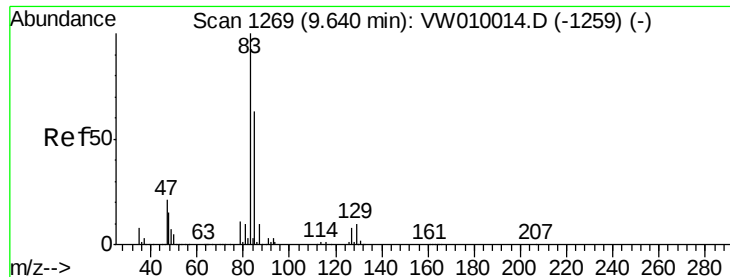
Ion Ratio Lower Upper

93 100

95 79.4 65.8 98.8

174 91.6 75.5 113.3





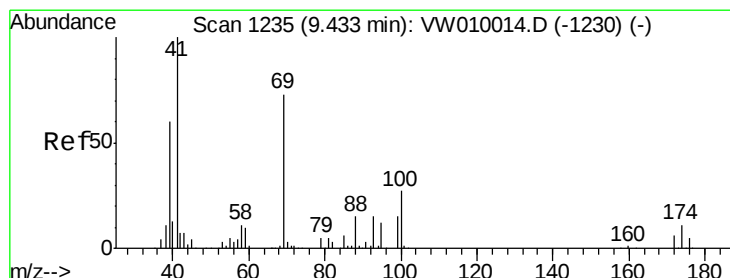
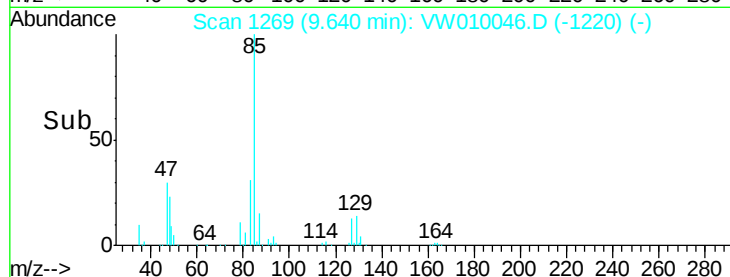
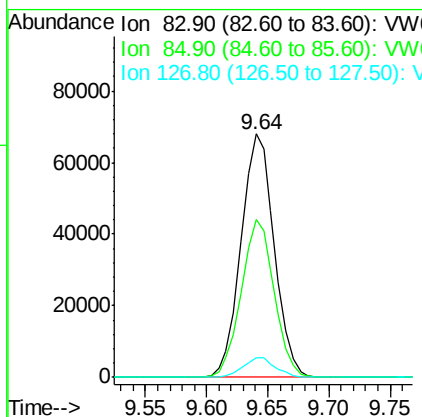
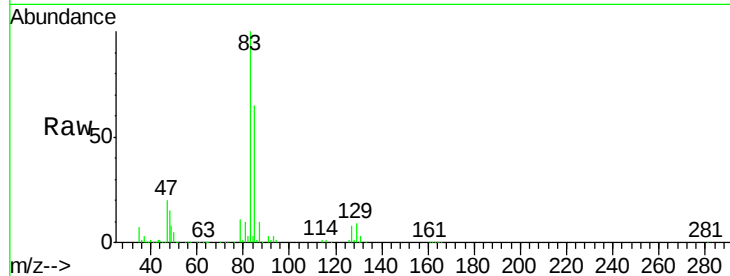
#47
Bromodichloromethane
Concen: 20.634 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127427		
85	64.6	50.6	75.8	
127	8.2	6.6	10.0	

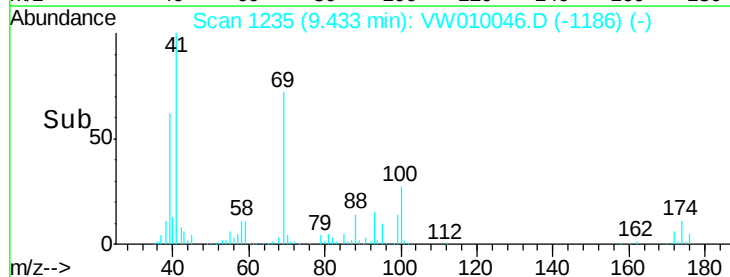
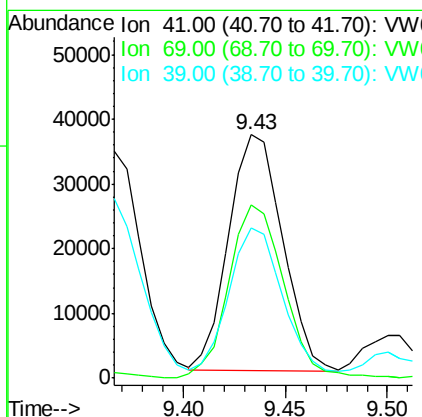
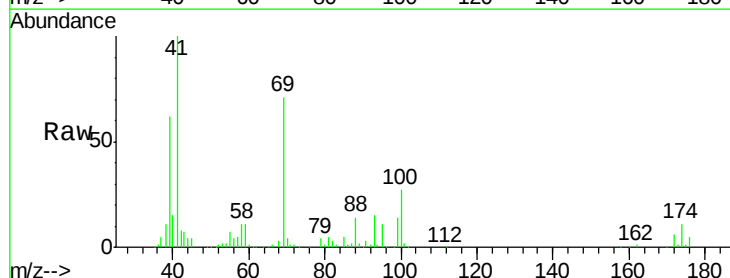
Manual Integrations
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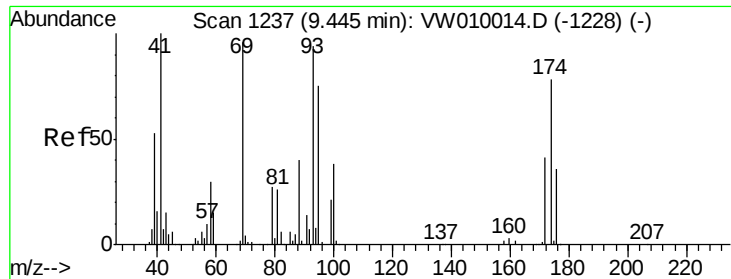
MMDadoda
4/19/2019 12:53:04 PM



#48
Methyl methacrylate
Concen: 22.486 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	66935		
69	74.3	60.1	90.1	
39	64.2	51.0	76.6	





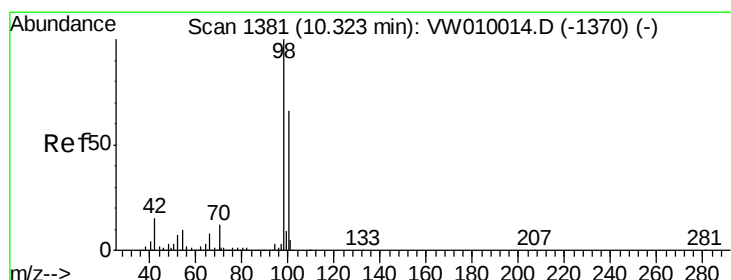
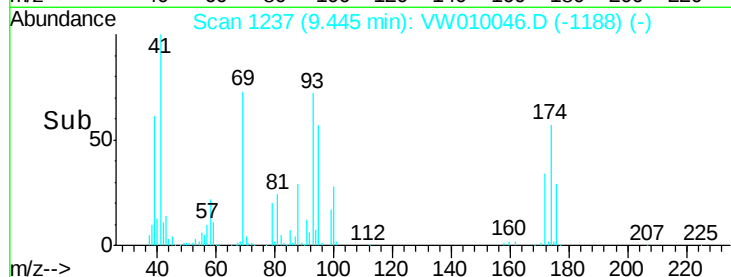
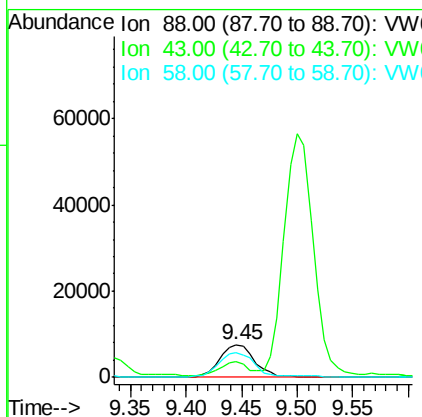
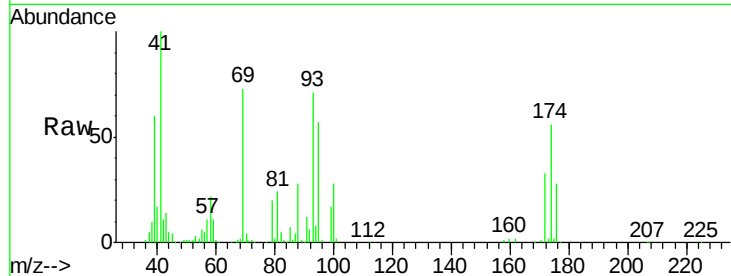
#49
1,4-Dioxane
Concen: 447.639 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	88	Resp	16363
Ion Ratio	Lower	Upper	
88	100		
43	37.2	31.9	47.9
58	78.2	61.8	92.6

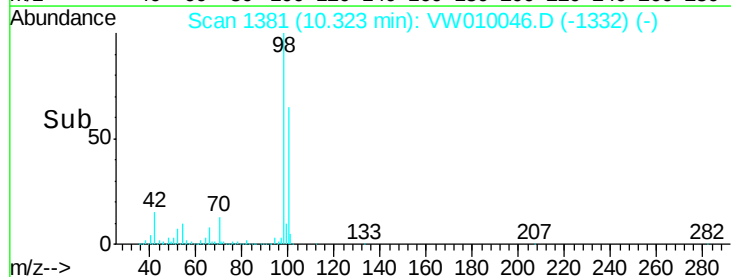
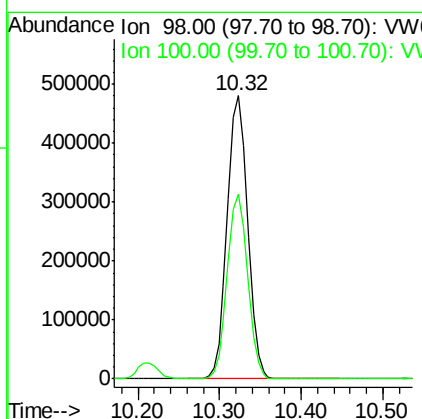
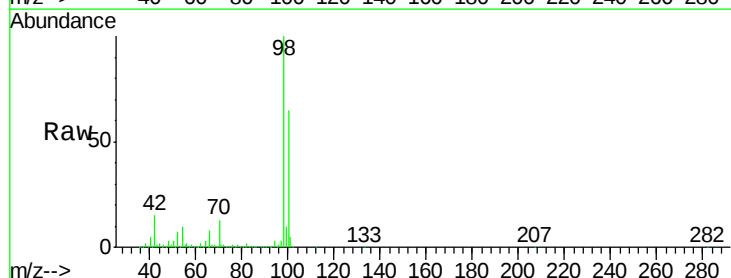
Manual Integrations
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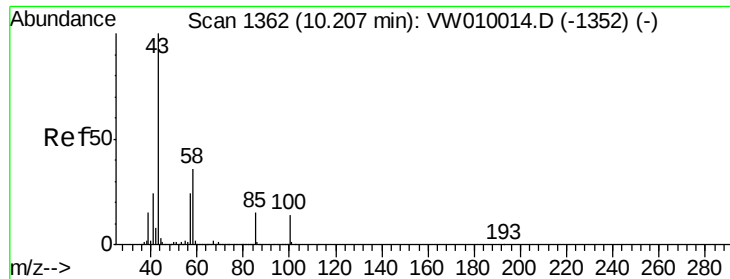
MMDadoda
4/19/2019 12:53:04 PM



#50
Toluene-d8
Concen: 55.508 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	98	Resp	831416
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 118.077 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 43 Resp: 378193

Ion Ratio Lower Upper

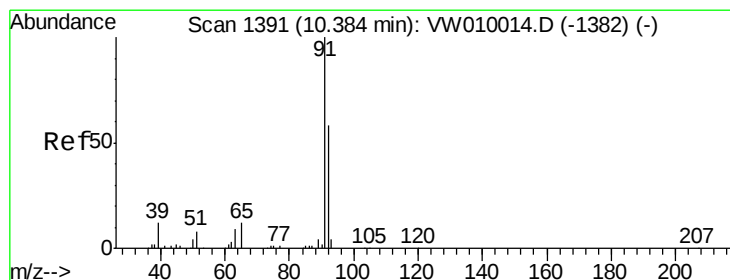
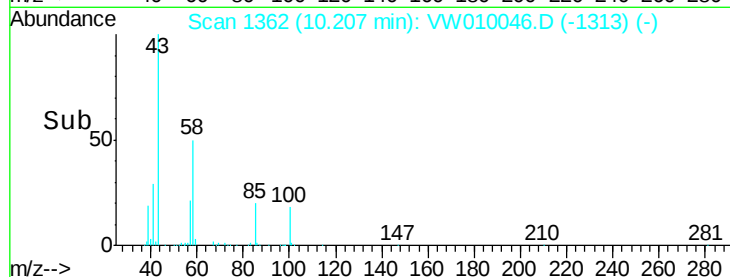
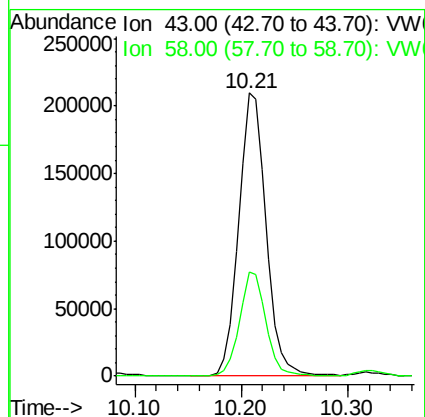
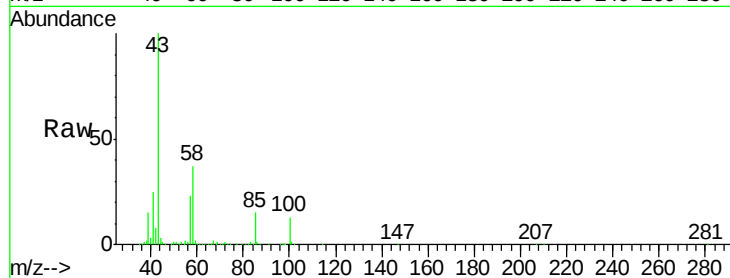
43 100

58 35.5 28.9 43.3

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#52

Toluene

Concen: 20.994 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010046.D

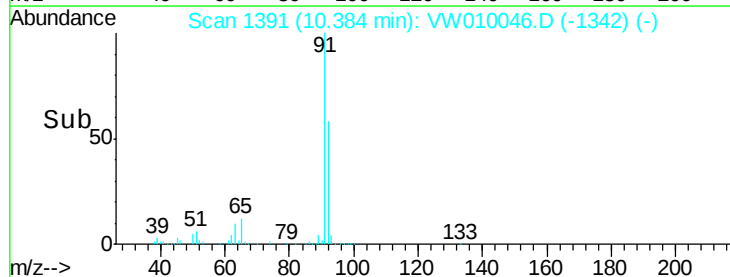
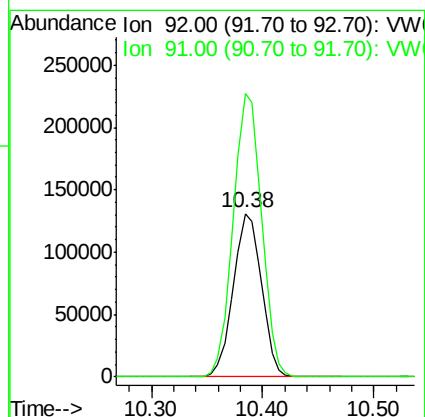
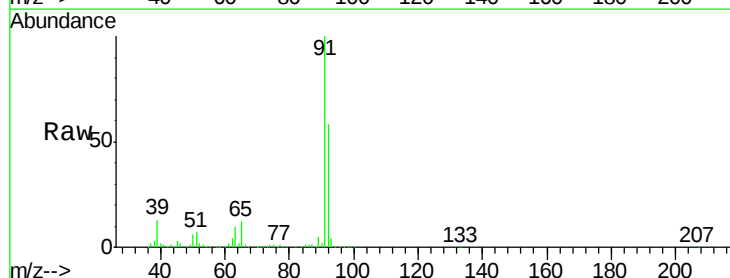
Acq: 18 Apr 2019 15:39

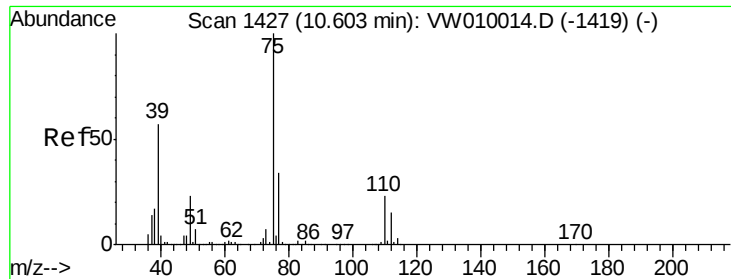
Tgt Ion: 92 Resp: 229643

Ion Ratio Lower Upper

92 100

91 175.1 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 20.447 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 75 Resp: 125190

Ion Ratio Lower Upper

75 100

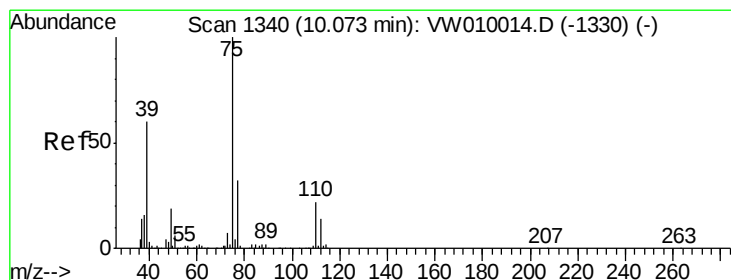
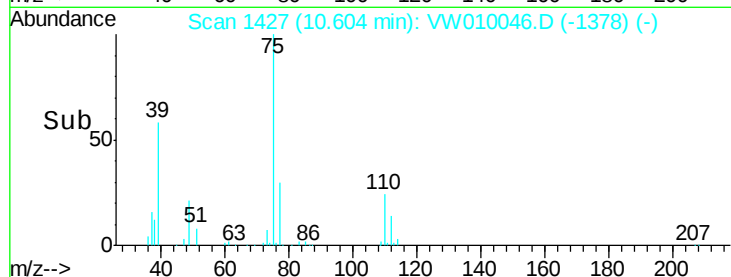
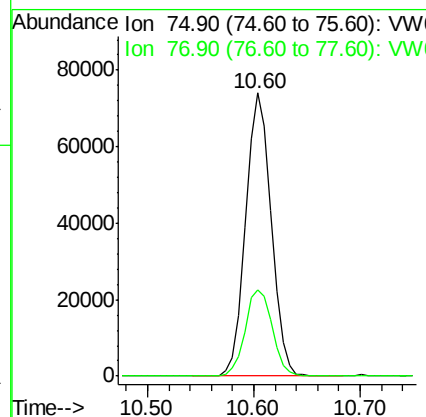
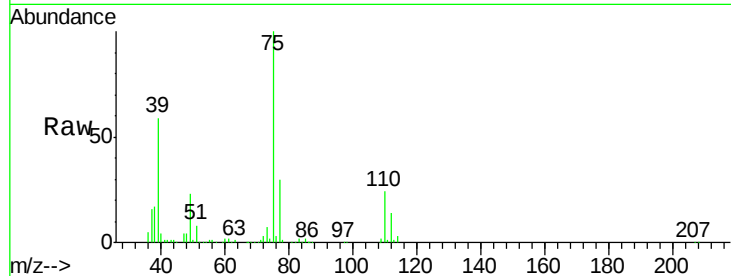
77 30.3 26.9 40.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.646 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

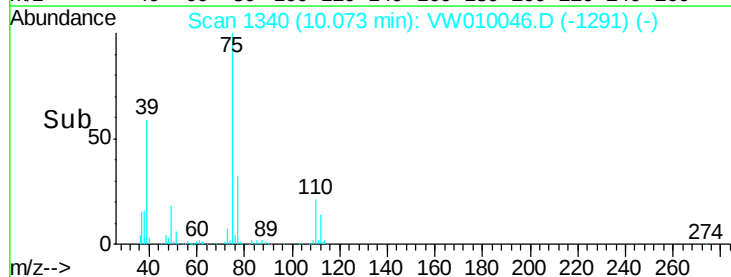
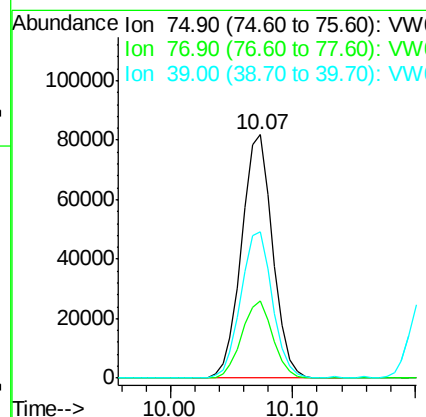
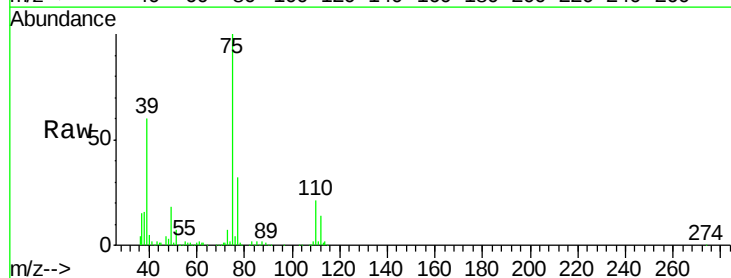
Tgt Ion: 75 Resp: 144342

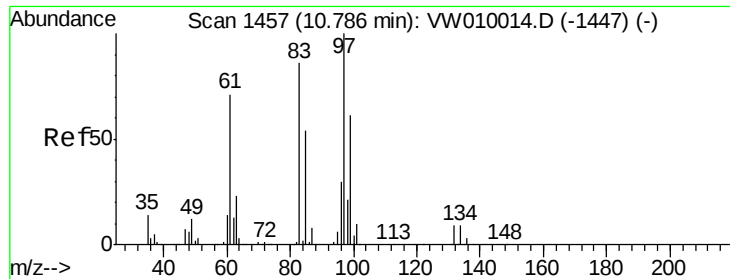
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

39 59.6 47.8 71.6





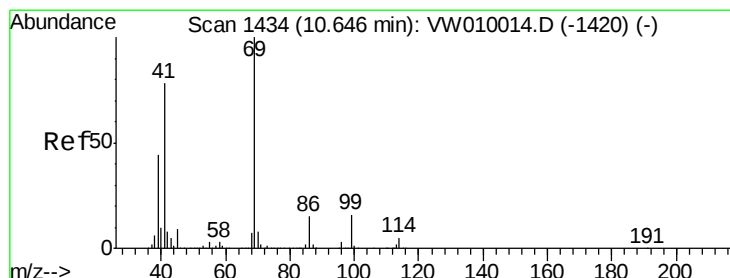
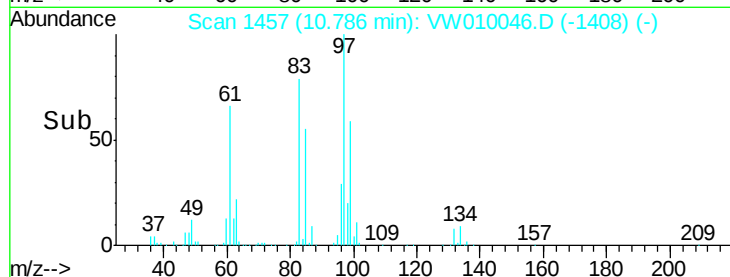
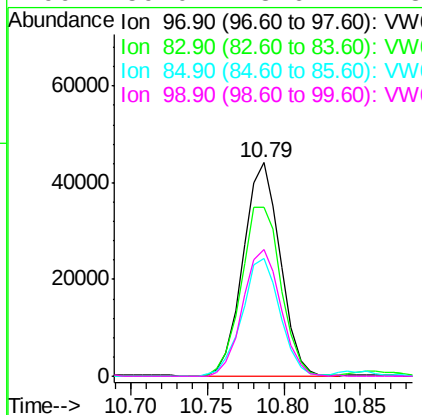
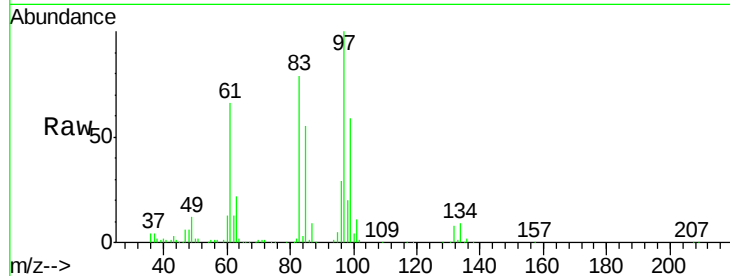
#55
 1,1,2-Trichloroethane
 Concen: 22.372 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion:	97	Resp:	74699
Ion	Ratio	Lower	Upper
97	100		
83	79.1	68.9	103.3
85	55.3	42.9	64.3
99	59.0	48.6	72.8

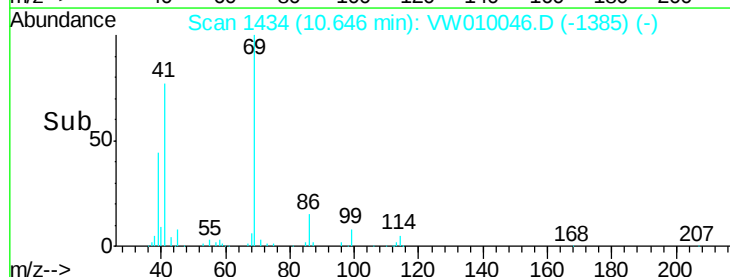
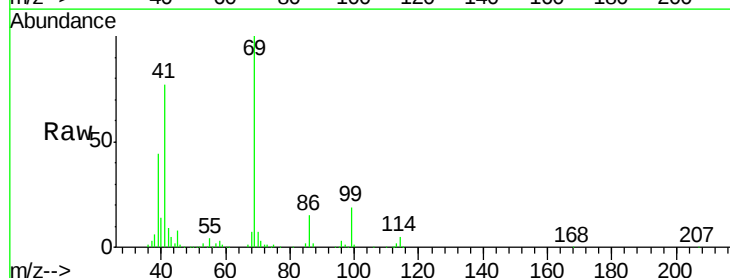
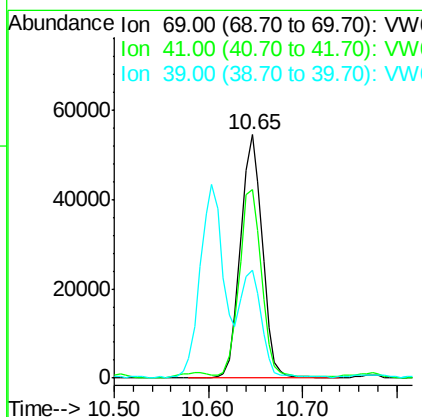
Manual Integrations
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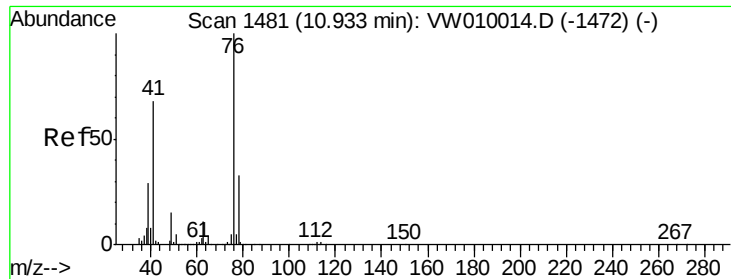
MMDadoda
 4/19/2019 12:53:04 PM



#56
 Ethyl methacrylate
 Concen: 20.704 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion:	69	Resp:	88419
Ion	Ratio	Lower	Upper
69	100		
41	79.6	61.0	91.6
39	41.1	33.8	50.6





#57

1,3-Dichloropropane

Concen: 21.324 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 76 Resp: 127619

Ion Ratio Lower Upper

76 100

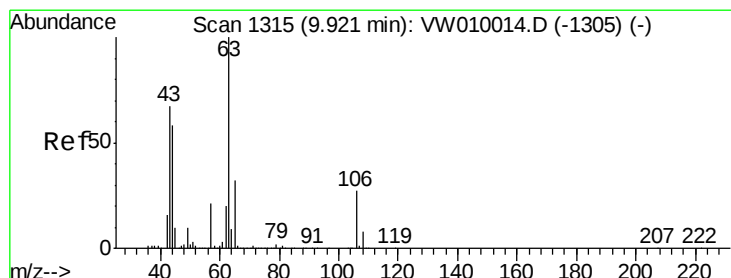
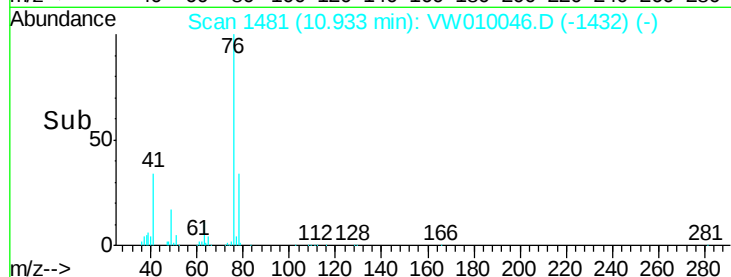
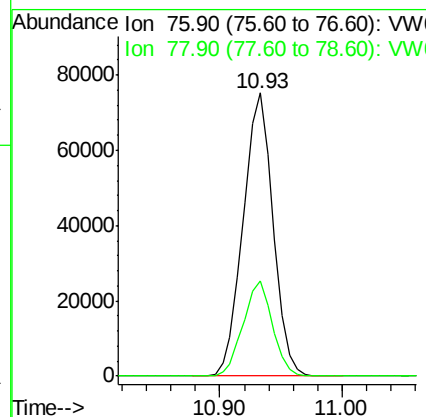
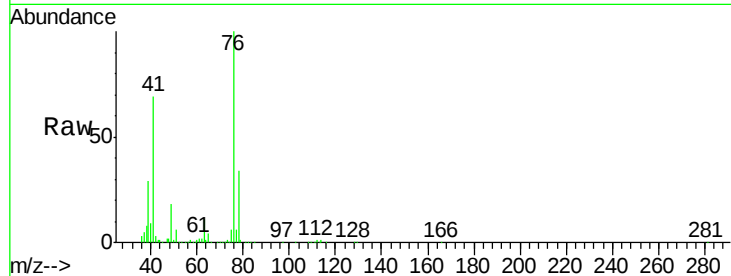
78 33.0 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/19/2019 12:53:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 128.600 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010046.D

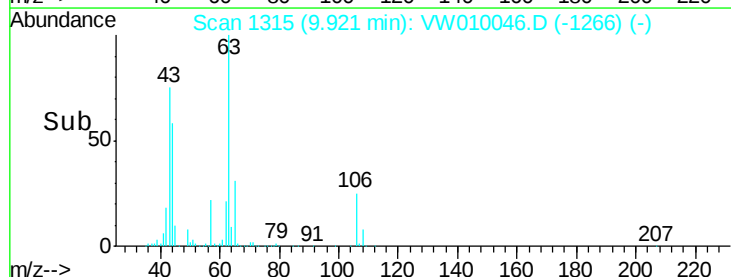
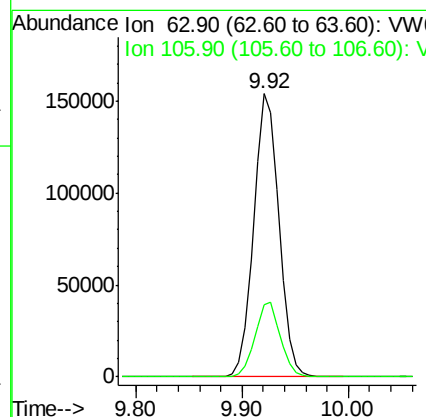
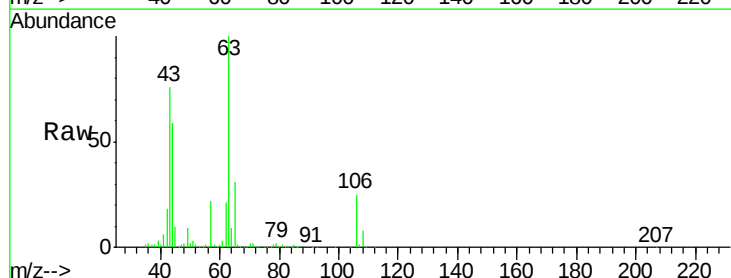
Acq: 18 Apr 2019 15:39

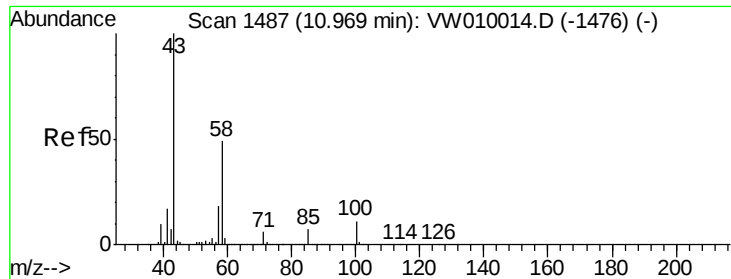
Tgt Ion: 63 Resp: 256582

Ion Ratio Lower Upper

63 100

106 26.4 21.4 32.0





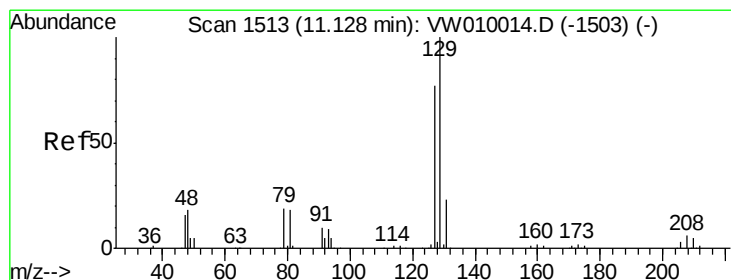
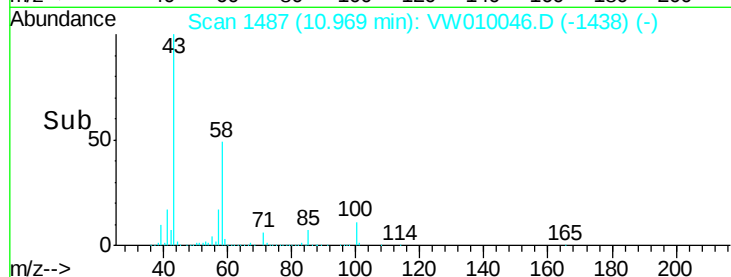
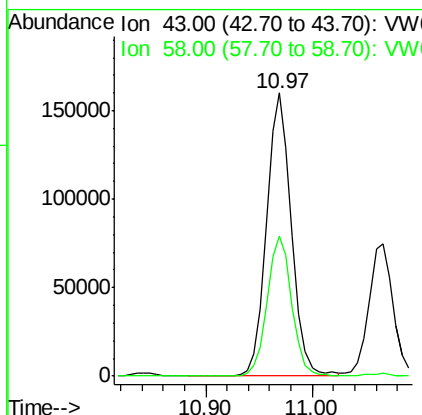
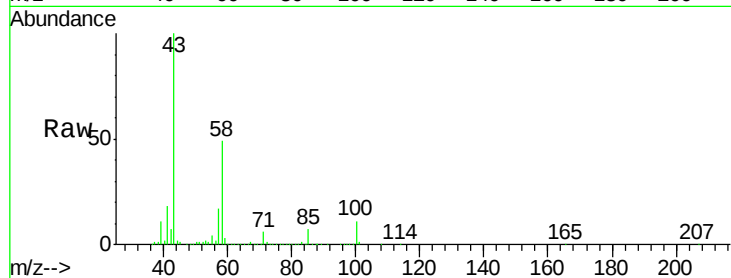
#59
2-Hexanone
Concen: 116.373 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion: 43 Resp: 259464
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.7

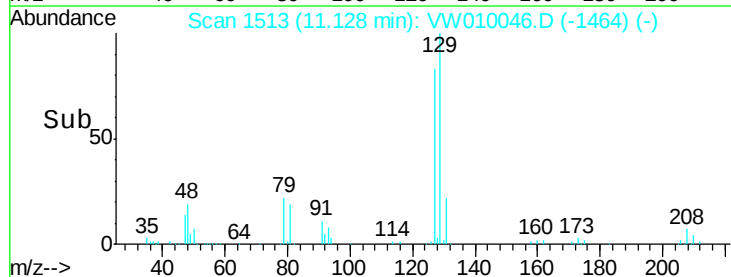
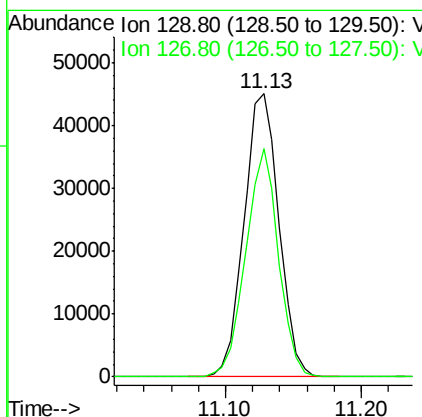
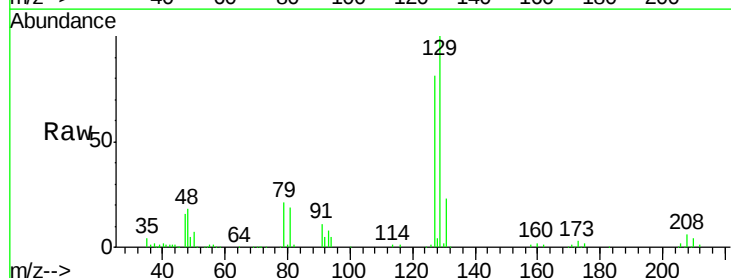
Manual Integrations
APPROVED

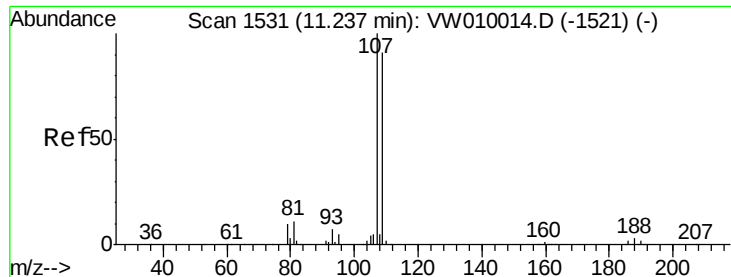
MMDadoda
4/19/2019 12:53:04 PM



#60
Dibromochloromethane
Concen: 20.943 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion: 129 Resp: 80824
Ion Ratio Lower Upper
129 100
127 75.9 38.6 116.0





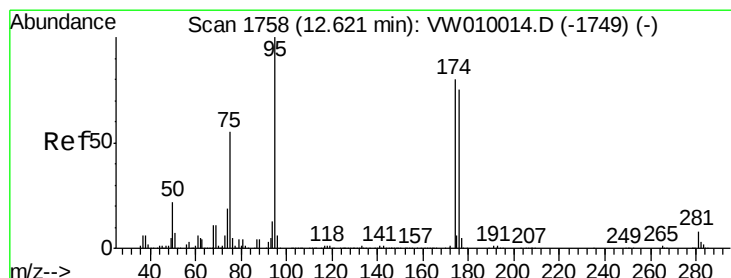
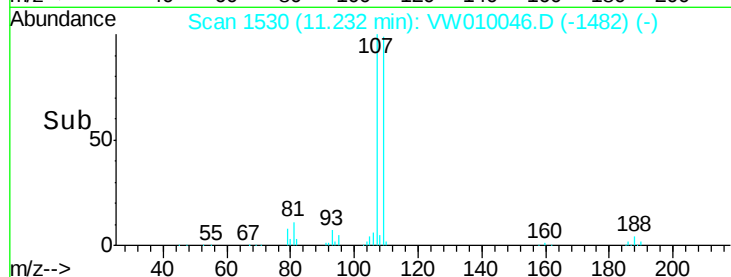
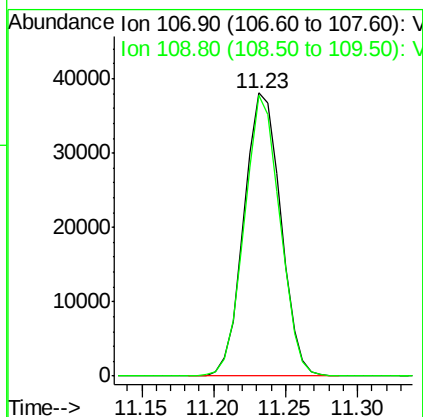
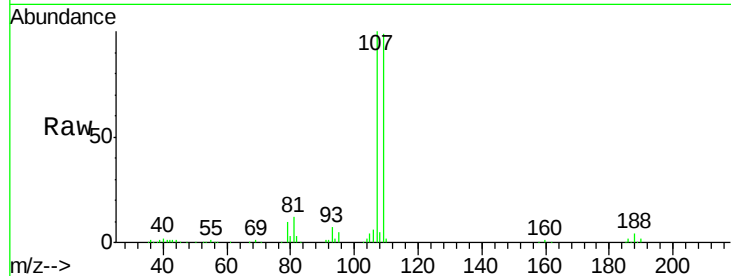
#61
 1,2-Dibromoethane
 Concen: 21.194 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion: 107 Resp: 67320
 Ion Ratio Lower Upper
 107 100
 109 95.8 73.6 110.4

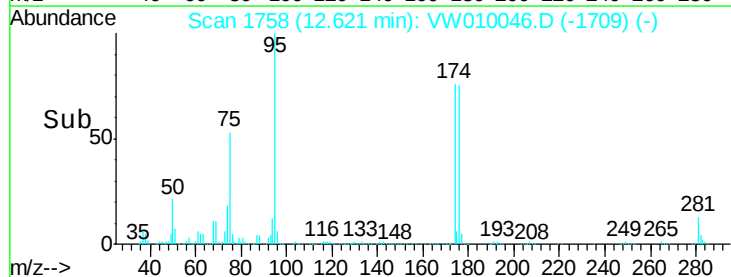
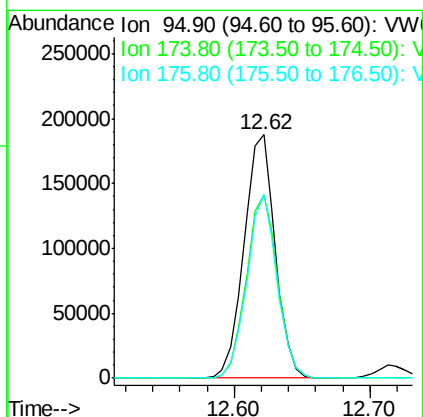
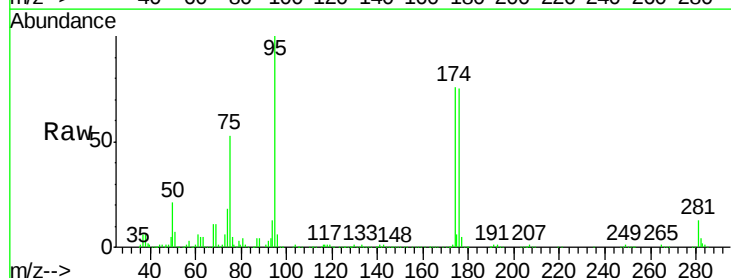
Manual Integrations
 APPROVED

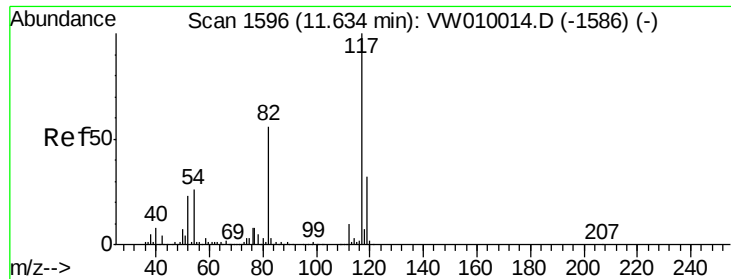
MMDadoda
 4/19/2019 12:53:04 PM



#62
 4-Bromofluorobenzene
 Concen: 55.063 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion: 95 Resp: 299790
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 151.4
 176 72.9 0.0 146.2





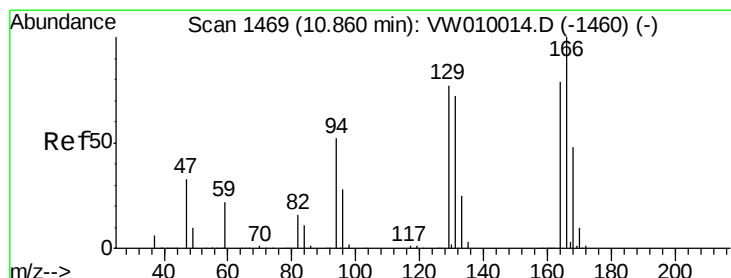
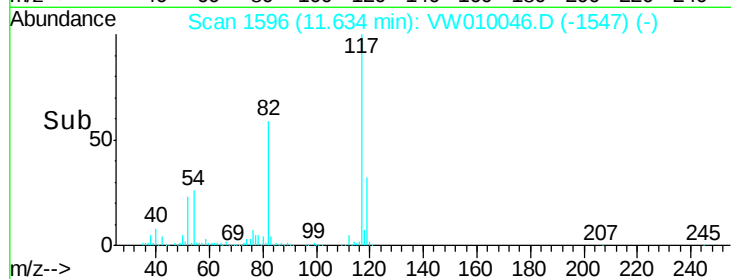
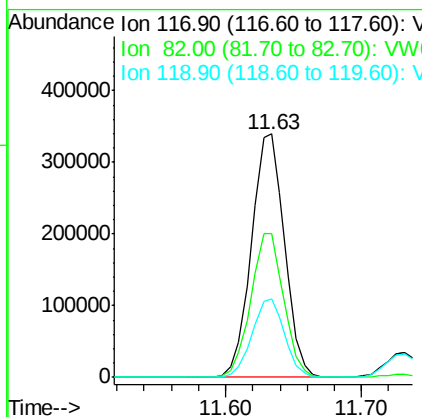
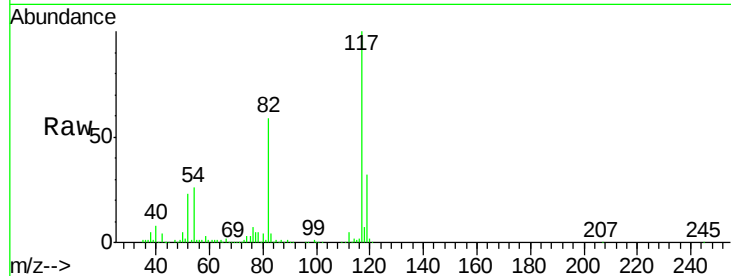
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	45.2	67.8
119	32.3	25.4	38.2

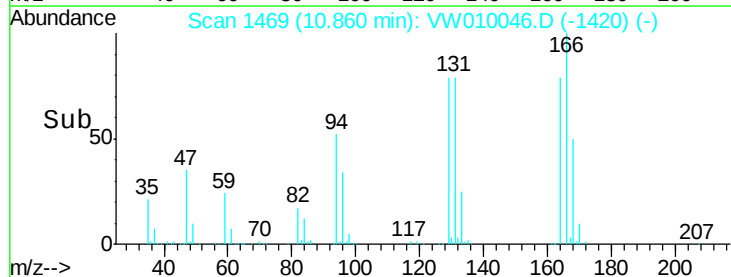
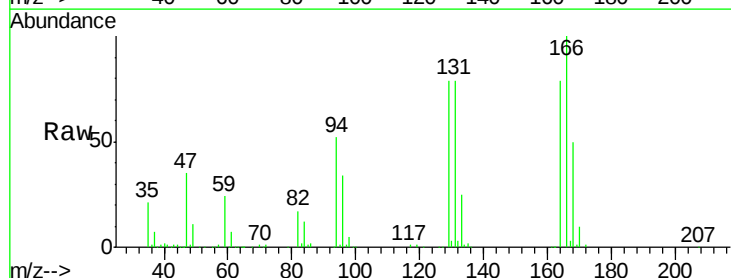
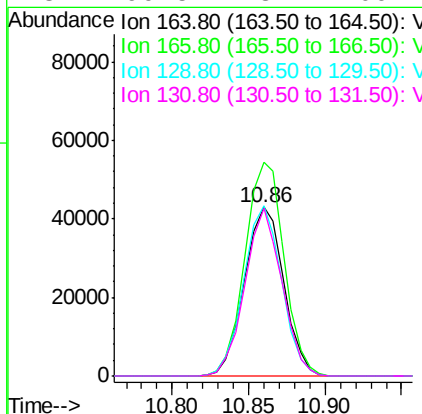
Manual Integrations
APPROVED

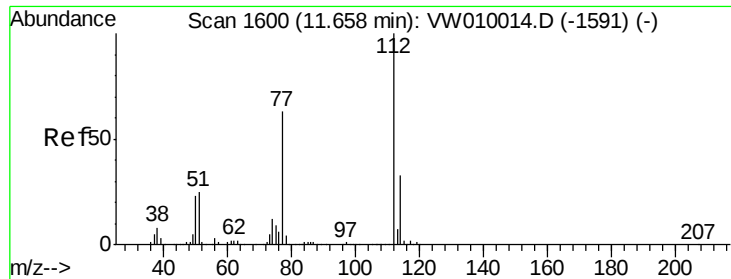
MMDadoda
4/19/2019 12:53:04 PM



#64
Tetrachloroethene
Concen: 20.592 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.2	151.8
129	100.5	77.8	116.6
131	99.5	73.1	109.7





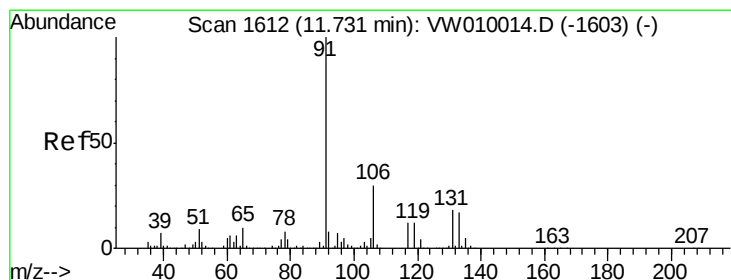
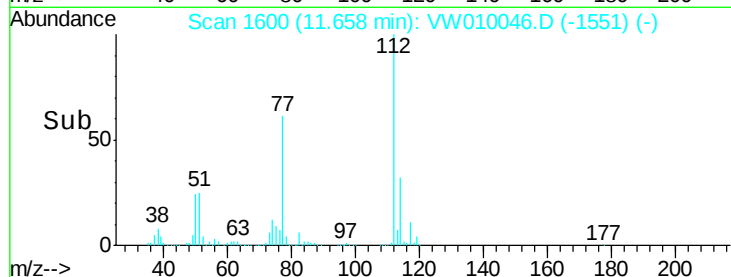
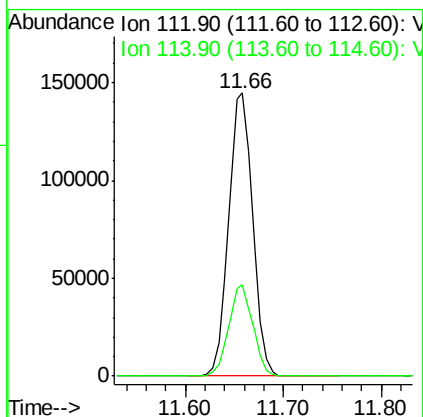
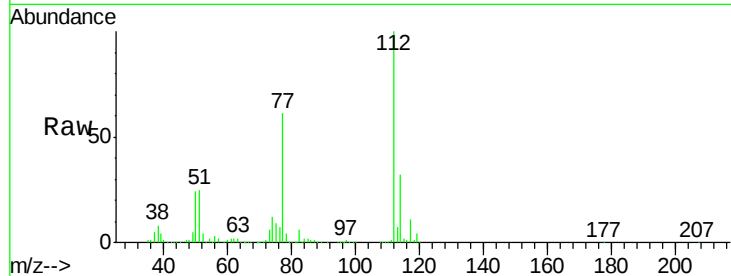
#65
Chlorobenzene
Concen: 20.805 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

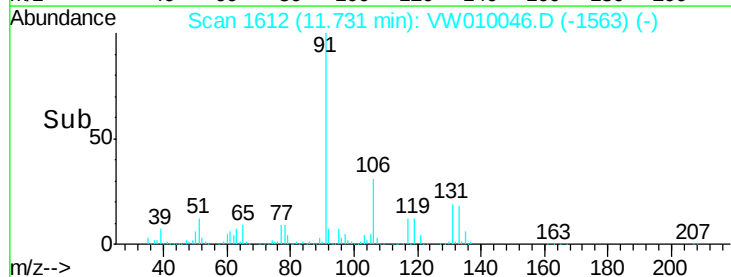
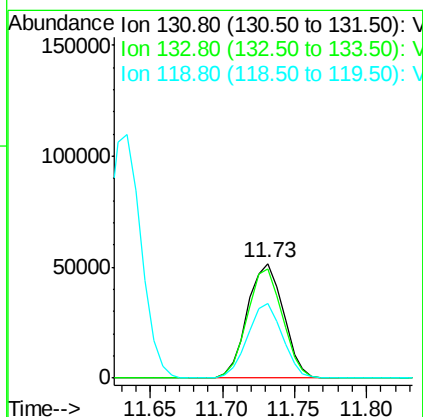
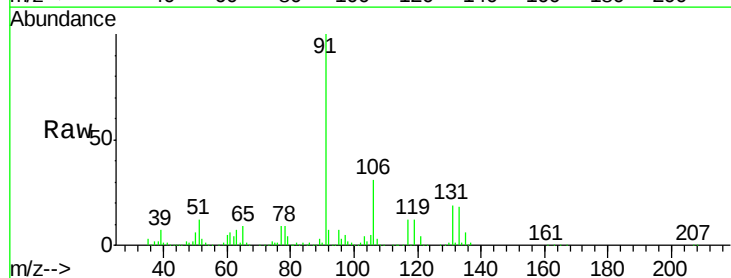
Manual Integrations
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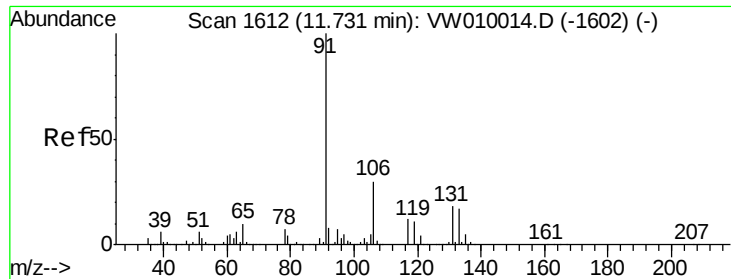
MMDadoda
4/19/2019 12:53:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.096 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	46.5	139.5
119	63.3	31.9	95.5





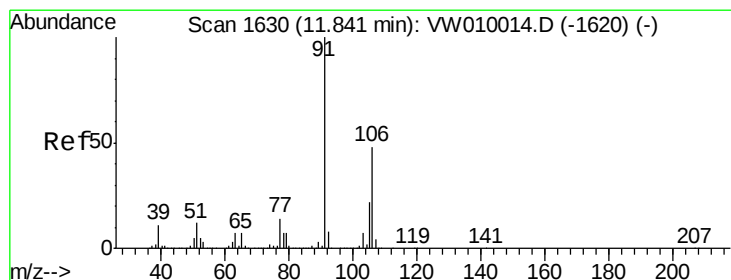
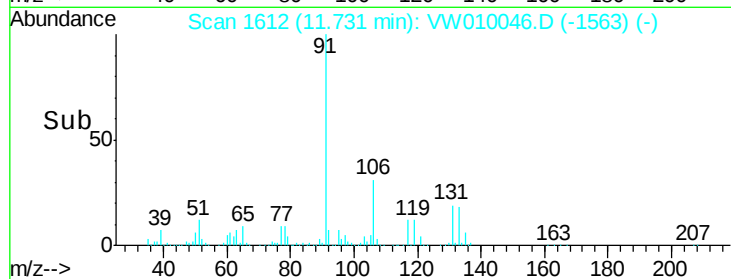
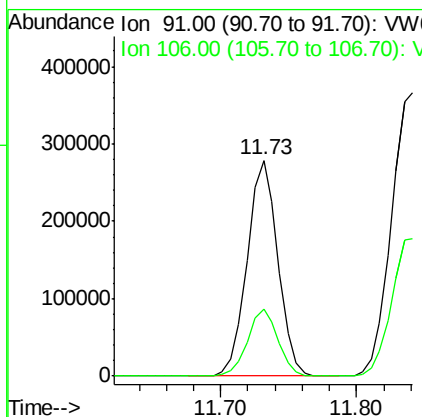
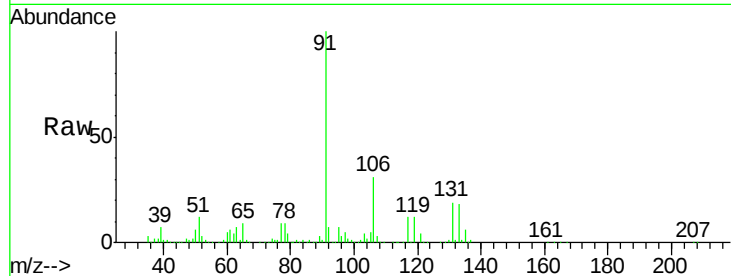
#67
Ethyl Benzene
Concen: 20.852 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.8	35.8

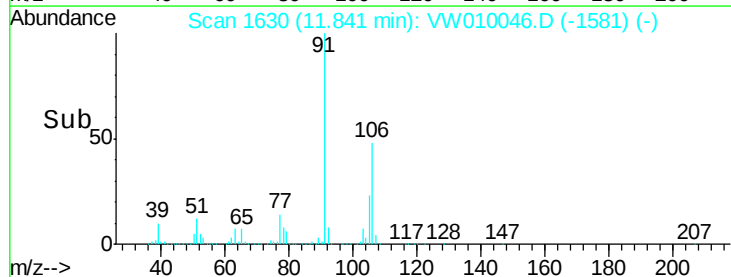
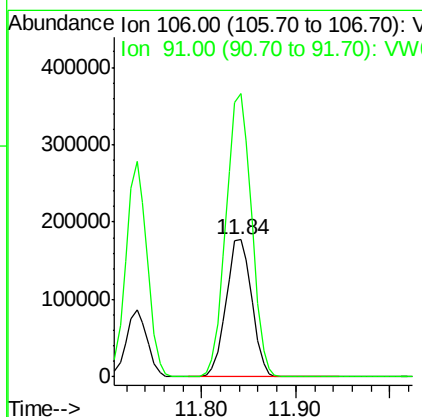
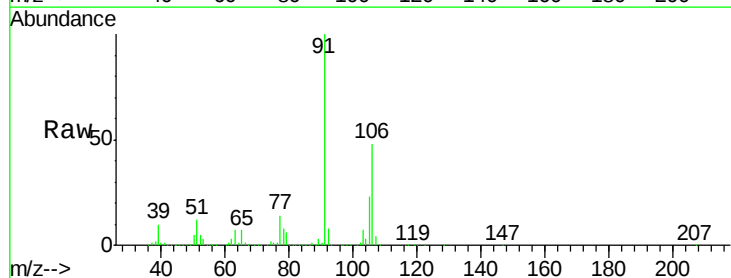
Manual Integrations
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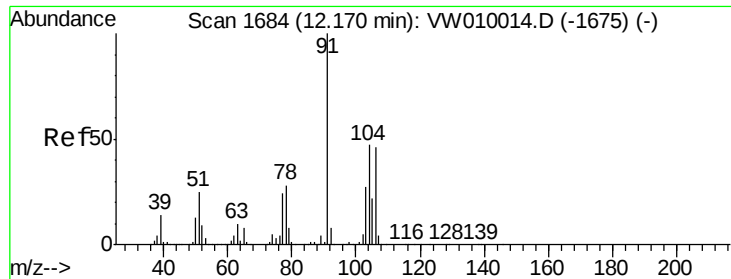
MMDadoda
4/19/2019 12:53:04 PM



#68
m/p-Xylenes
Concen: 42.491 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.9	165.0	247.6





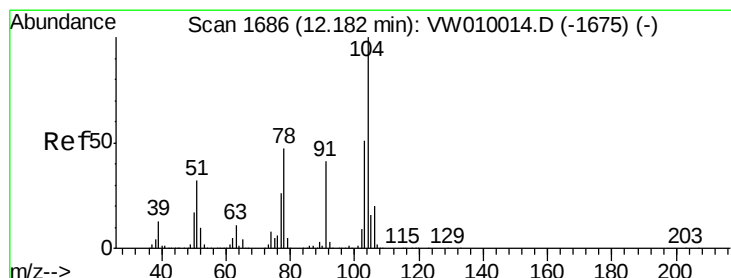
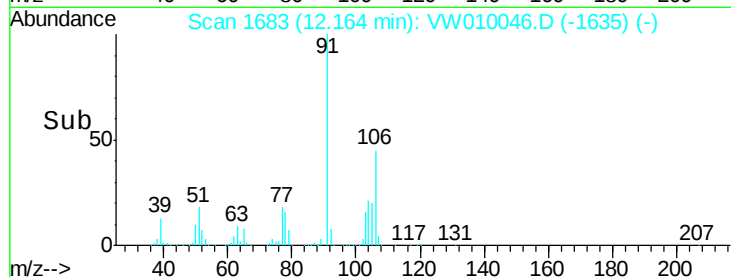
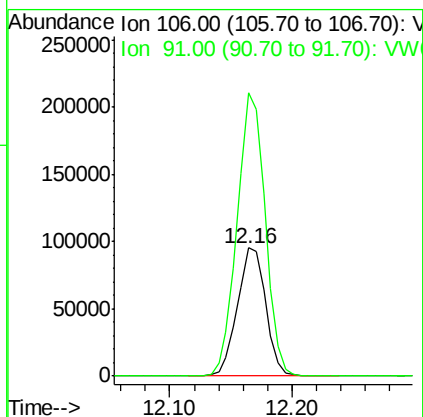
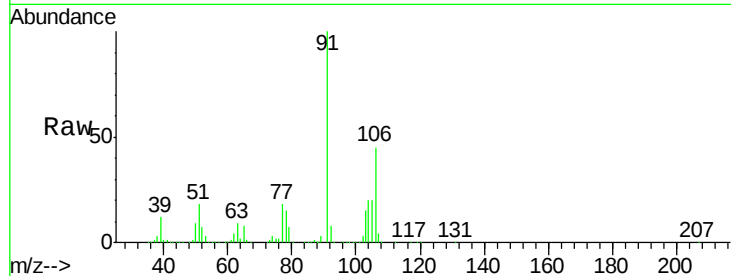
#69
o-Xylene
Concen: 21.301 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion:106 Resp: 152954
Ion Ratio Lower Upper
106 100
91 219.3 110.5 331.4

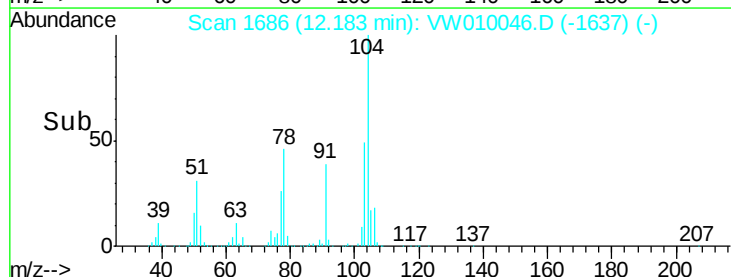
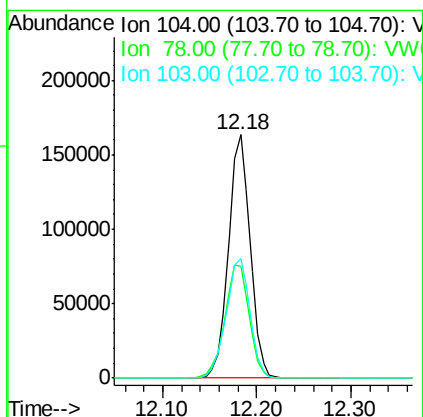
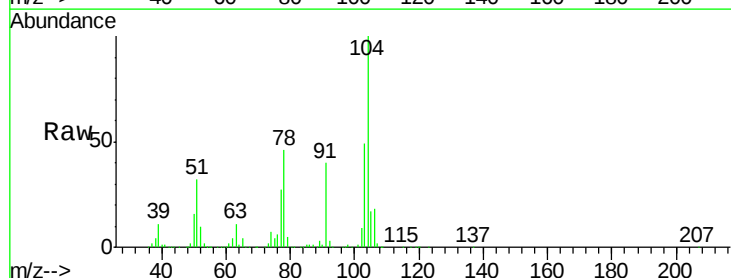
Manual Integrations
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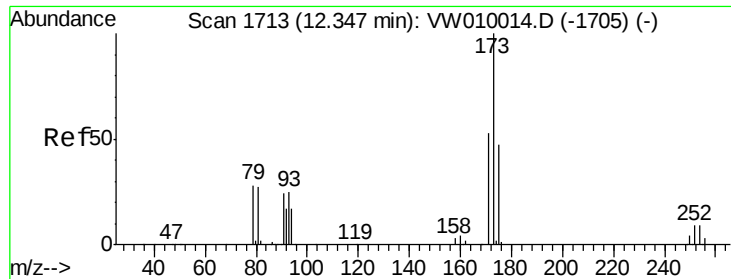
MMDadoda
4/19/2019 12:53:04 PM



#70
Styrene
Concen: 21.071 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion:104 Resp: 260881
Ion Ratio Lower Upper
104 100
78 52.2 42.5 63.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 21.145 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion:173 Resp: 47280

Ion Ratio Lower Upper

173 100

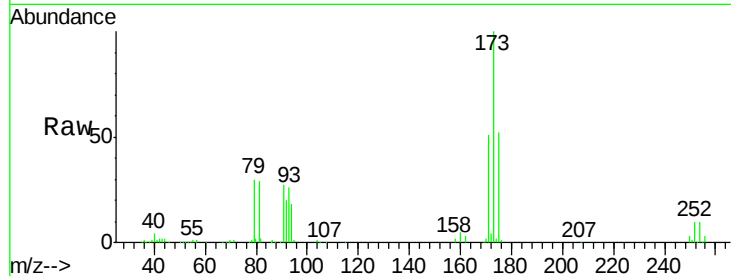
175 48.6 23.8 71.4

254 0.1 0.1 0.1#

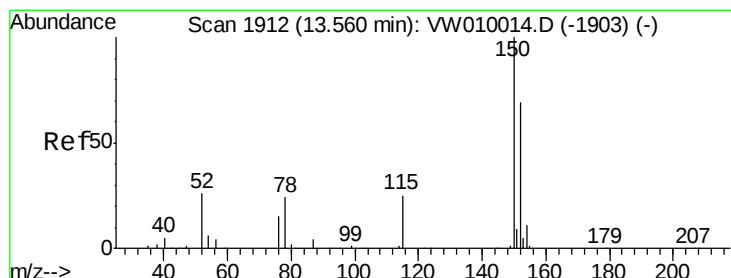
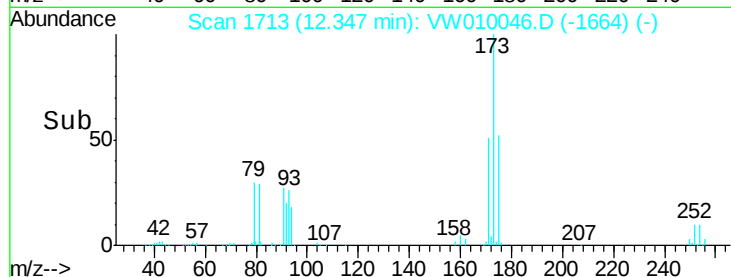
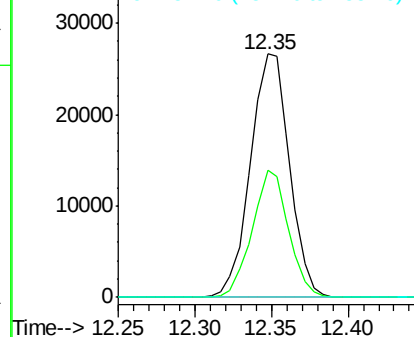
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

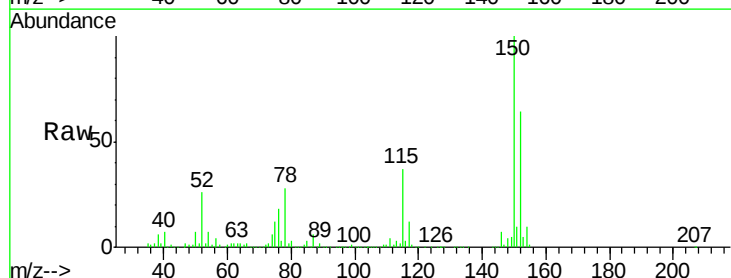
Tgt Ion:152 Resp: 297823

Ion Ratio Lower Upper

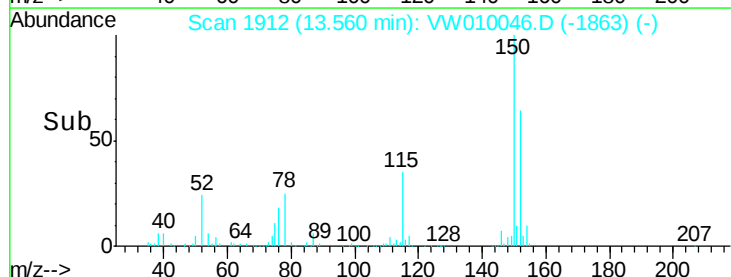
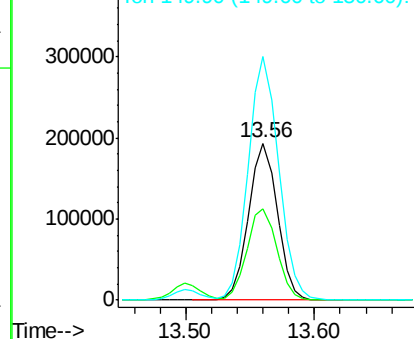
152 100

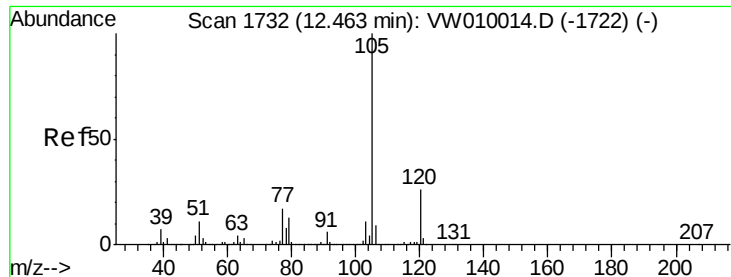
115 60.4 30.4 91.2

150 163.8 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





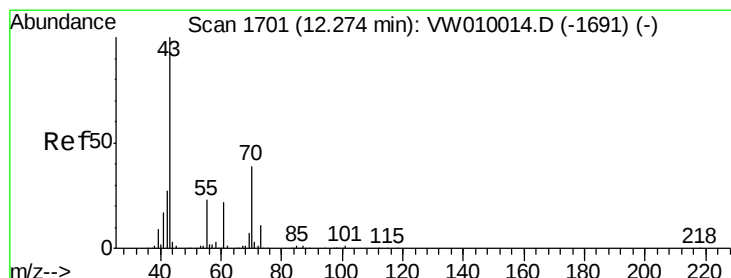
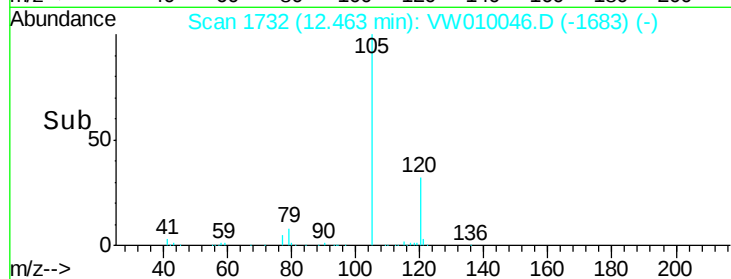
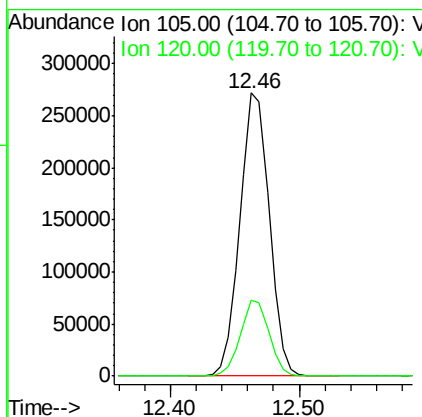
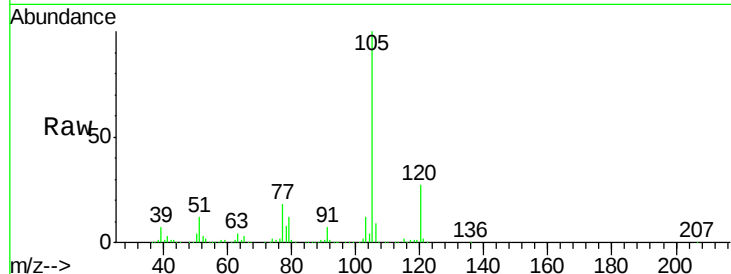
#73
Isopropylbenzene
Concen: 20.689 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion: 105 Resp: 428833
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1

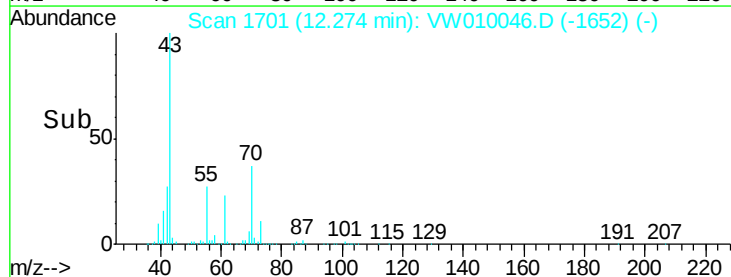
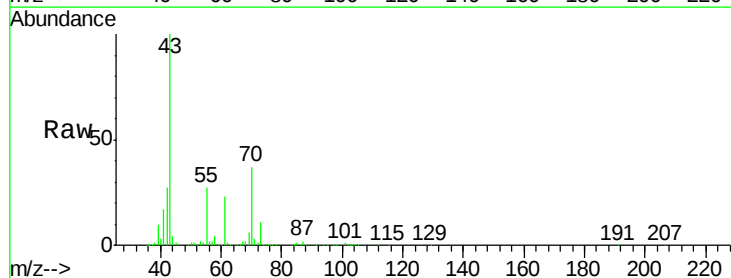
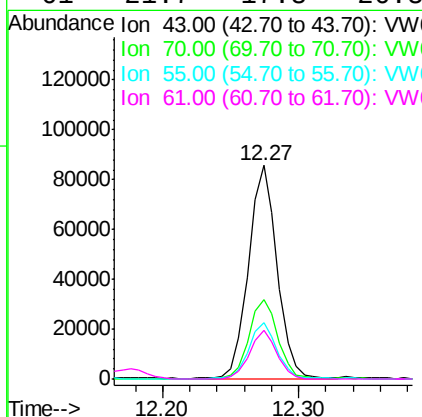
Manual Integrations
APPROVED

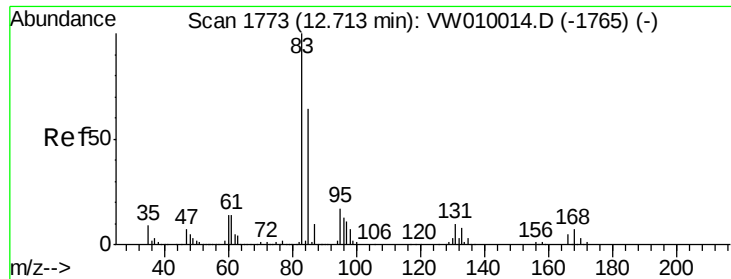
MMDadoda
4/19/2019 12:53:04 PM



#74
N-ethyl acetate
Concen: 22.023 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion: 43 Resp: 126414
Ion Ratio Lower Upper
43 100
70 37.8 31.3 46.9
55 26.8 20.0 30.0
61 21.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.860 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

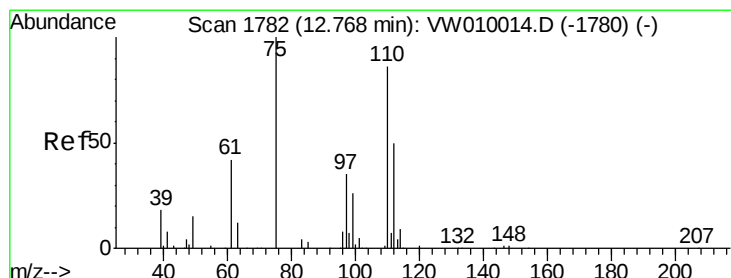
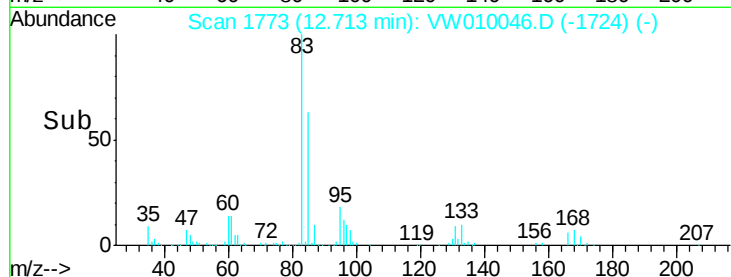
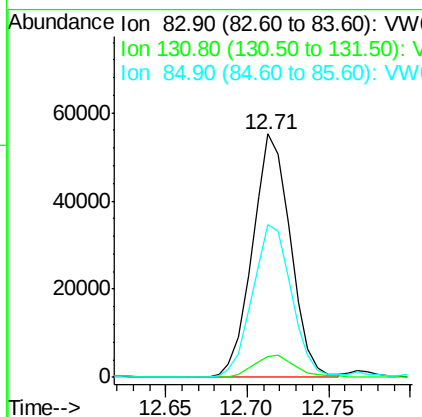
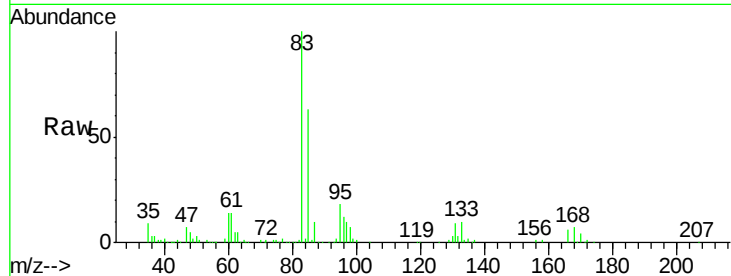
ClientSampleId :

VW0418SBS01

Tot Ion:	83	Resp:	89522
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	64.9	32.0	96.2

Manual Integrations
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4/19/2019 12:53:04 PM



#76

1,2,3-Trichloropropane

Concen: 21.636 ug/l m

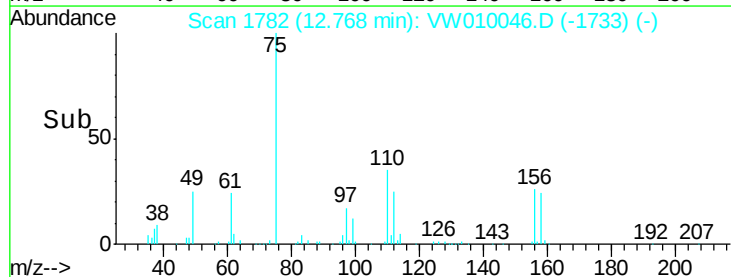
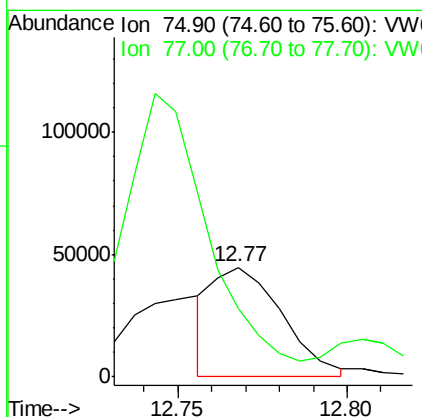
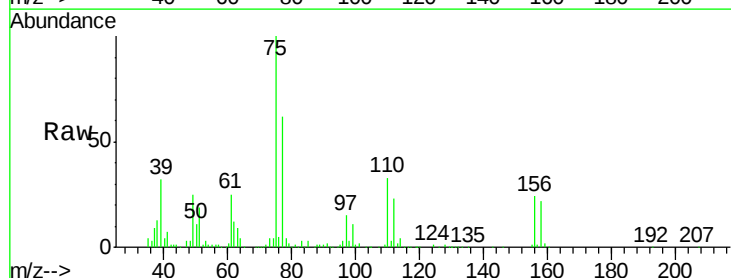
RT: 12.77 min Scan# 1782

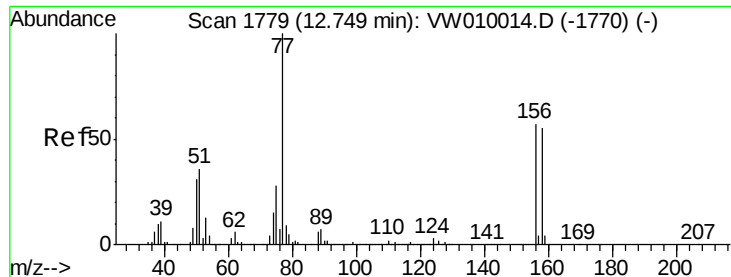
Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	75	Resp:	64492
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.693 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion:156 Resp: 98644

Ion Ratio Lower Upper

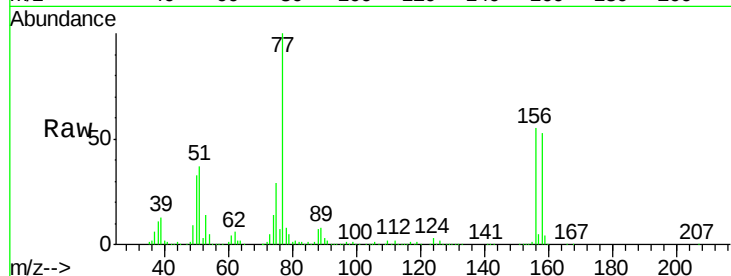
156 100

77 207.3 102.5 307.4

158 97.5 48.8 146.4

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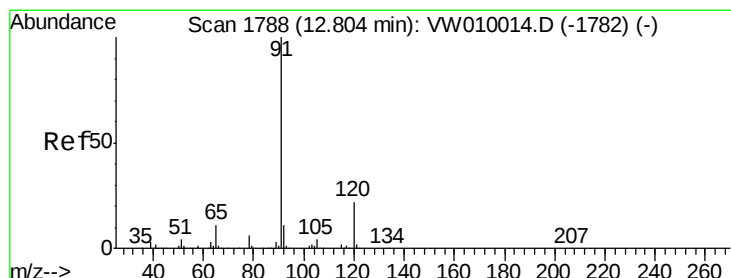
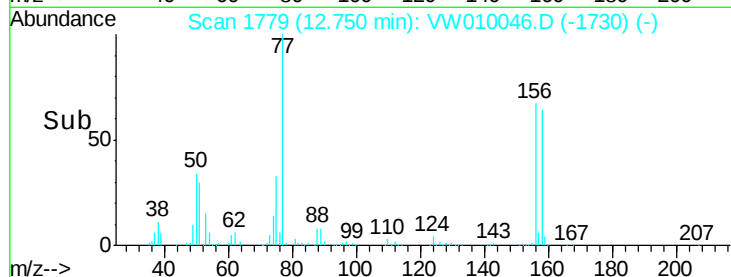
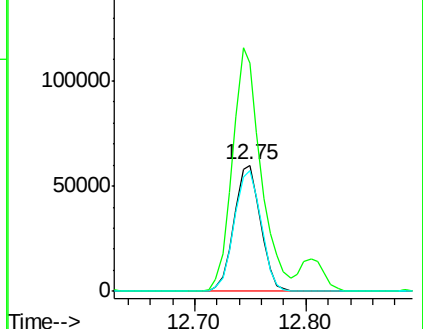
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.333 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010046.D

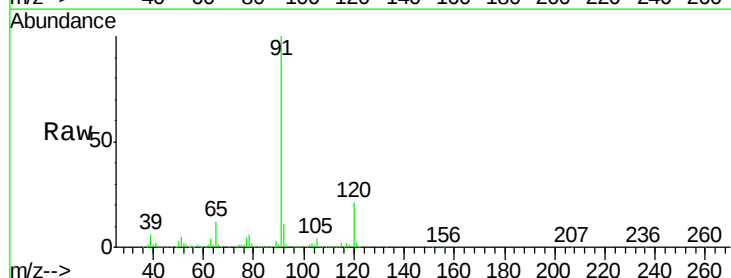
Acq: 18 Apr 2019 15:39

Tgt Ion: 91 Resp: 548033

Ion Ratio Lower Upper

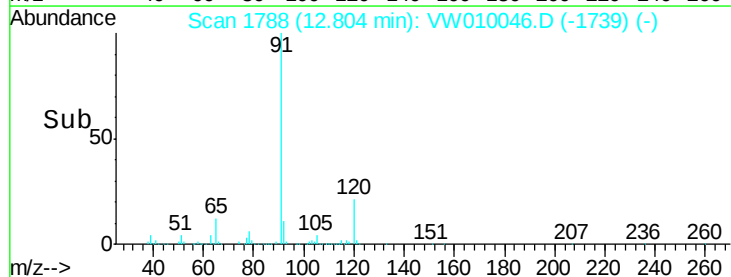
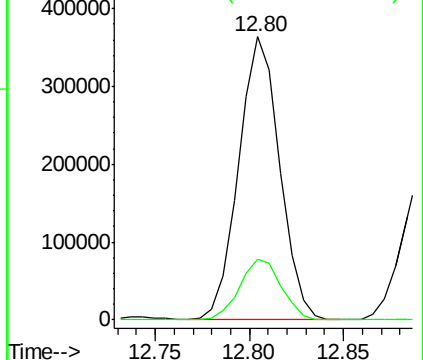
91 100

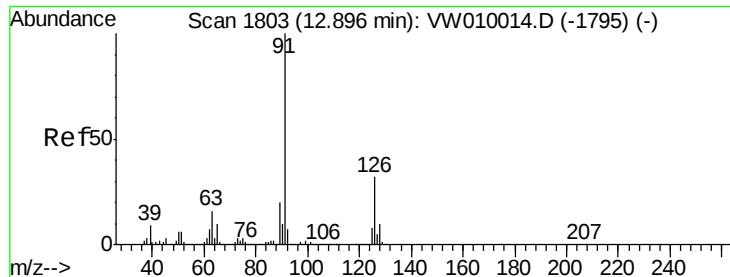
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.031 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 91 Resp: 310732

Ion Ratio Lower Upper

91 100

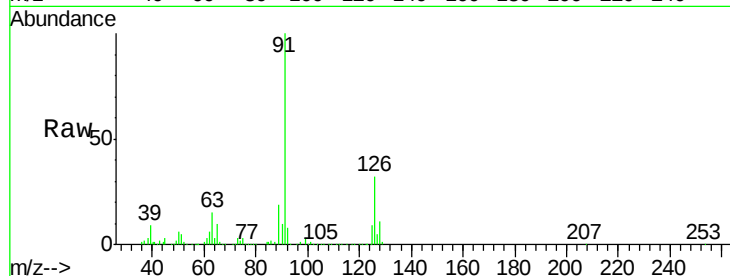
126 32.0 16.3 48.8

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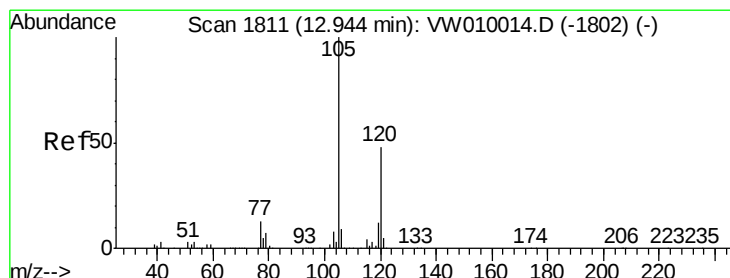
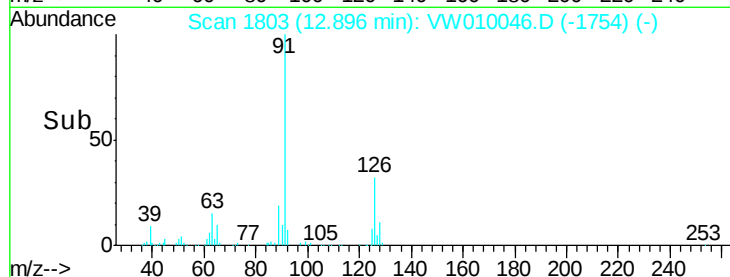
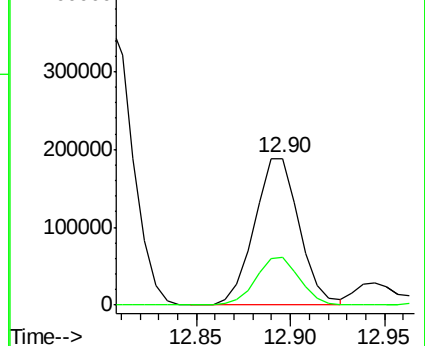
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.854 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010046.D

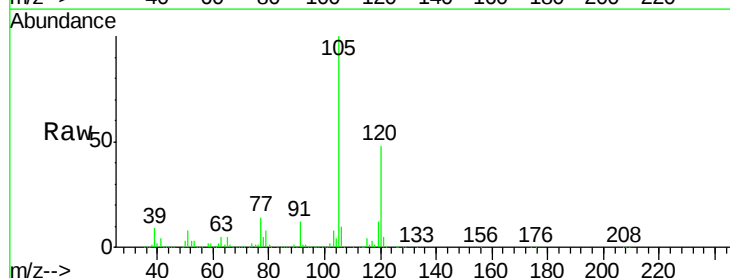
Acq: 18 Apr 2019 15:39

Tgt Ion:105 Resp: 366506

Ion Ratio Lower Upper

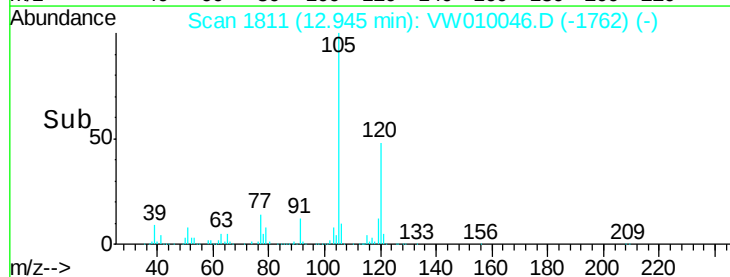
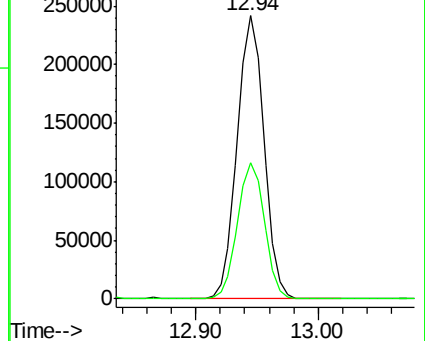
105 100

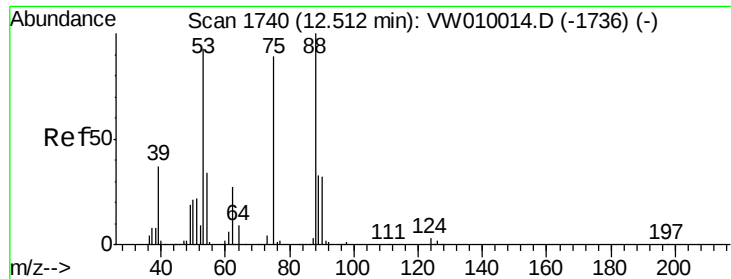
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.717 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion: 75 Resp: 26189

Ion Ratio Lower Upper

75 100

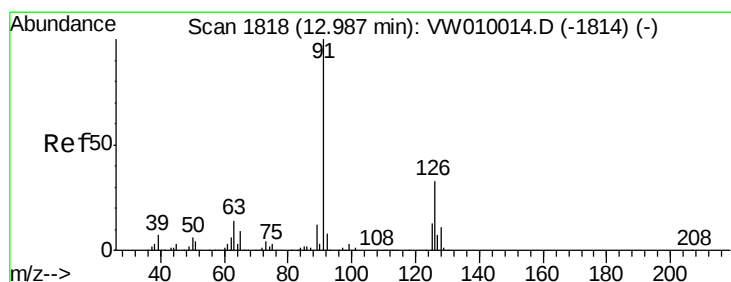
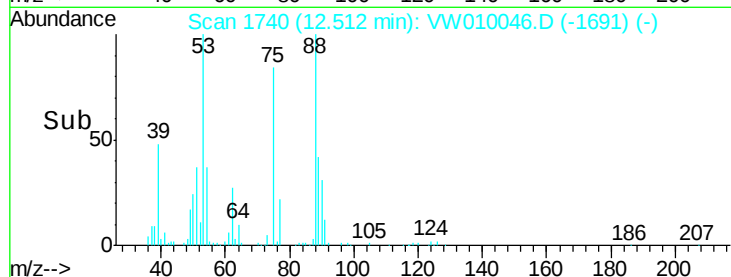
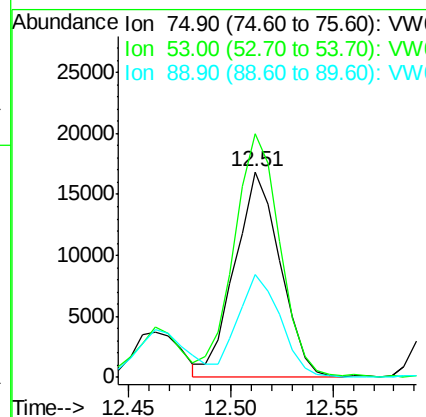
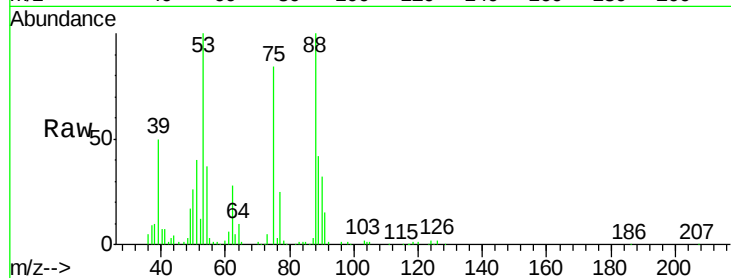
53 120.2 89.8 134.8

89 47.7 36.6 54.8

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#82

4-Chlorotoluene

Concen: 21.030 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010046.D

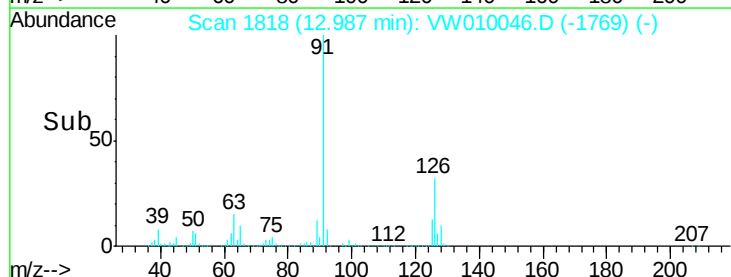
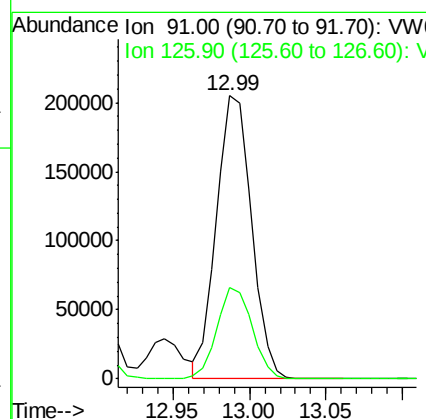
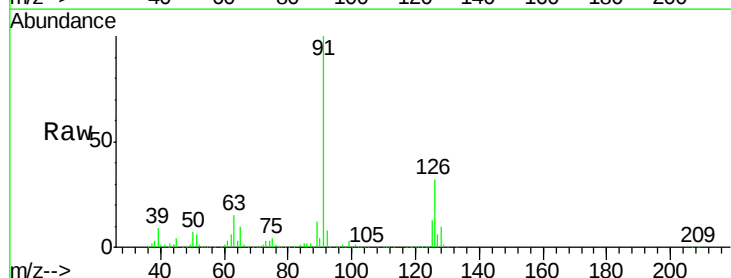
Acq: 18 Apr 2019 15:39

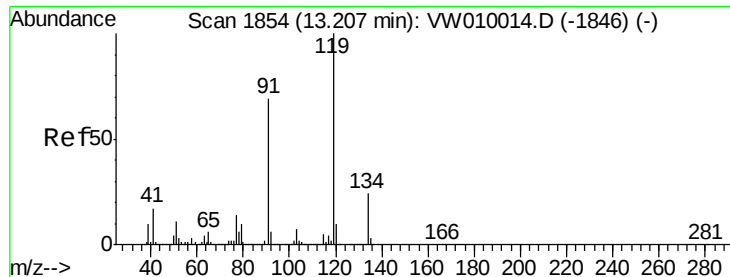
Tgt Ion: 91 Resp: 327009

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1





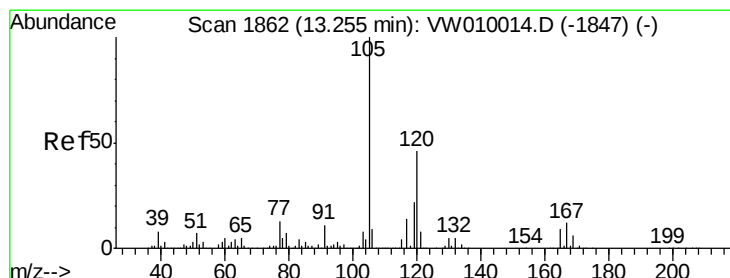
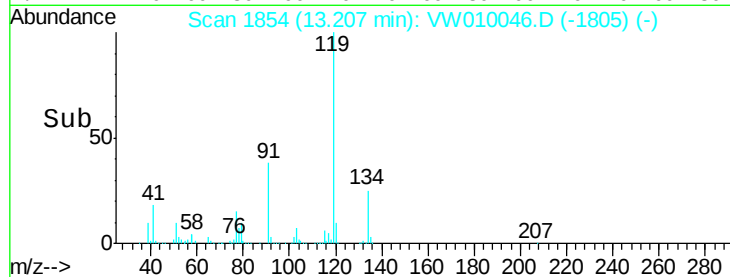
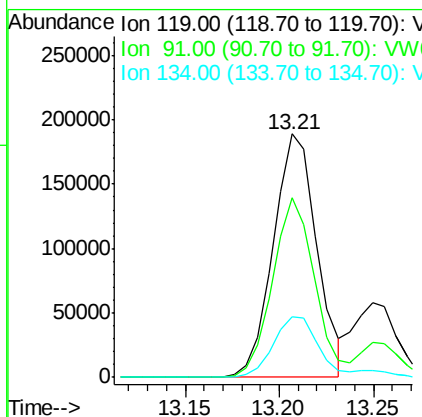
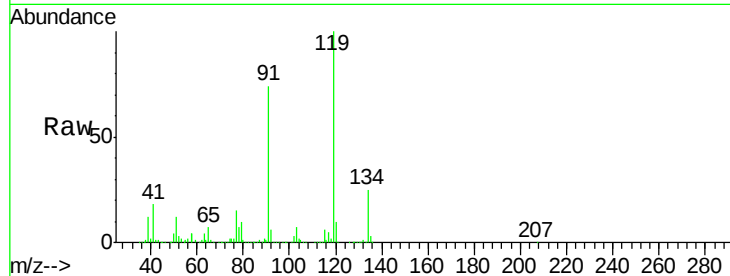
#83
tert-Butylbenzene
Concen: 20.810 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	34.8	104.4
134	25.6	13.7	41.1

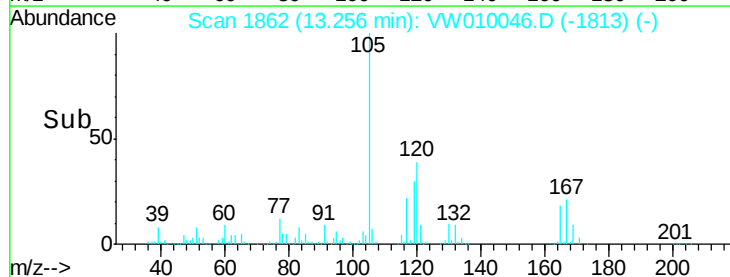
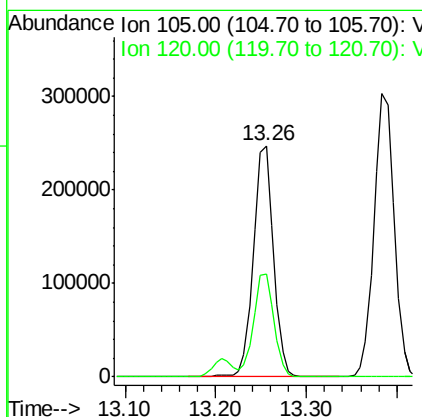
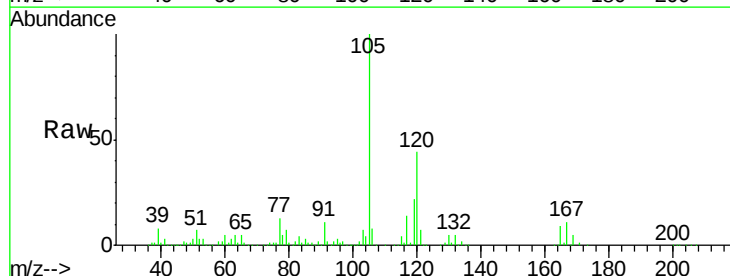
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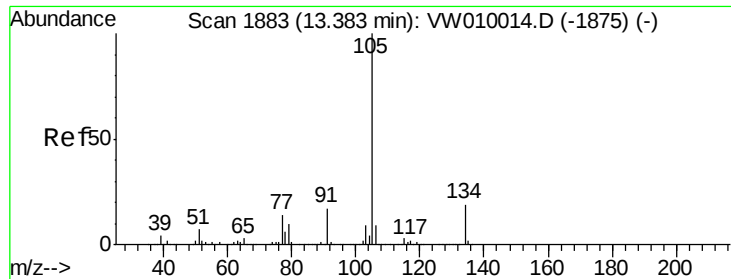
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#84
1,2,4-Trimethylbenzene
Concen: 21.290 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.474 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

Tot Ion:105 Resp: 467034

Ion Ratio Lower Upper

105 100

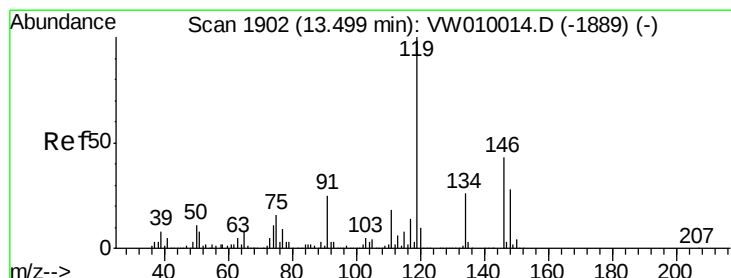
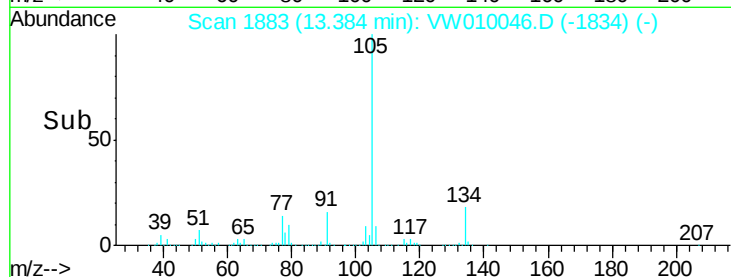
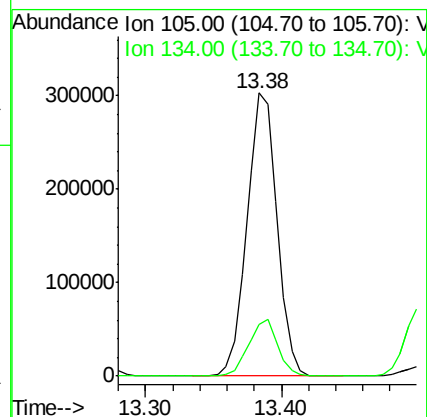
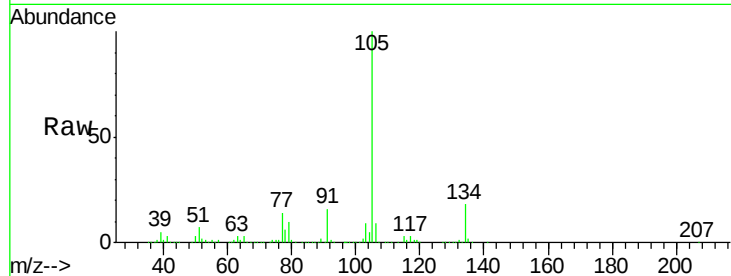
134 19.4 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.937 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

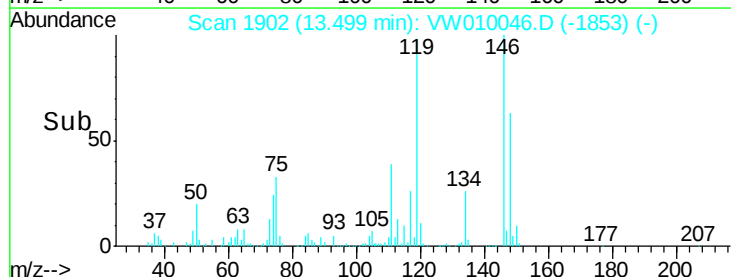
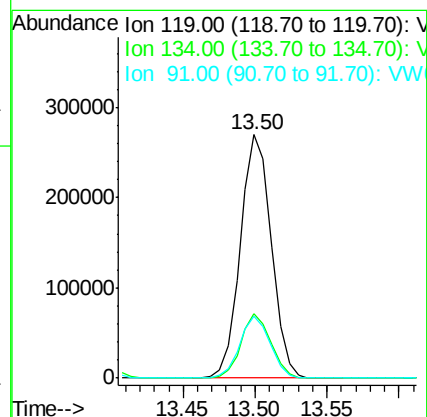
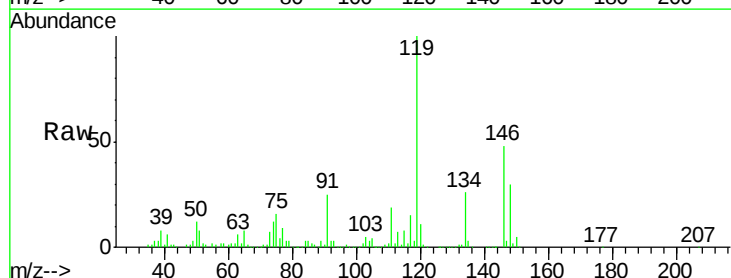
Tgt Ion:119 Resp: 401368

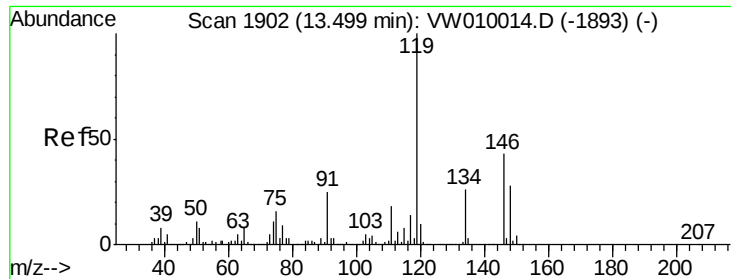
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 24.9 12.3 36.9





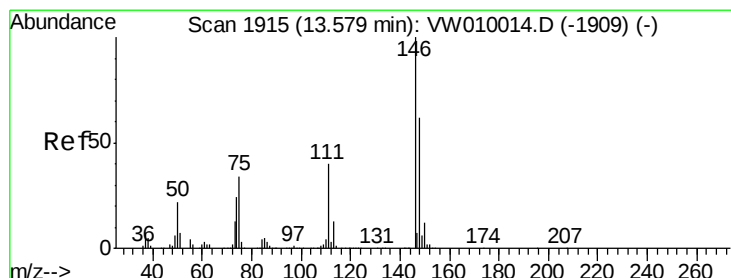
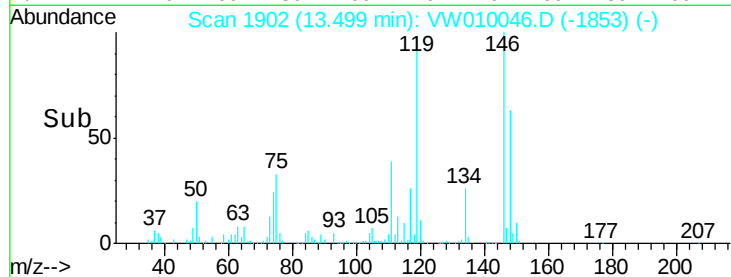
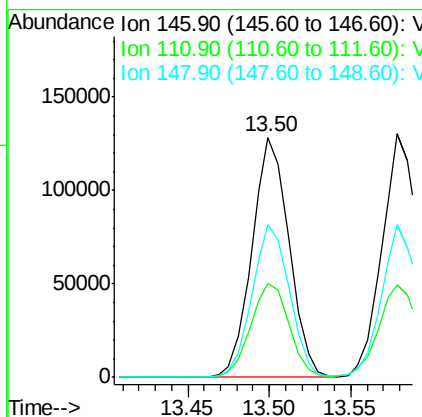
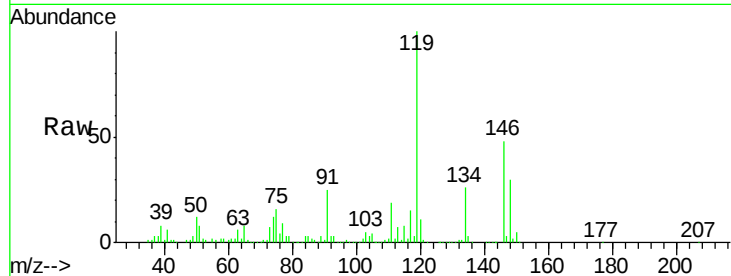
#87
 1,3-Dichlorobenzene
 Concen: 20.987 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202239		
111	40.6	20.3	61.0	
148	64.1	32.0	96.2	

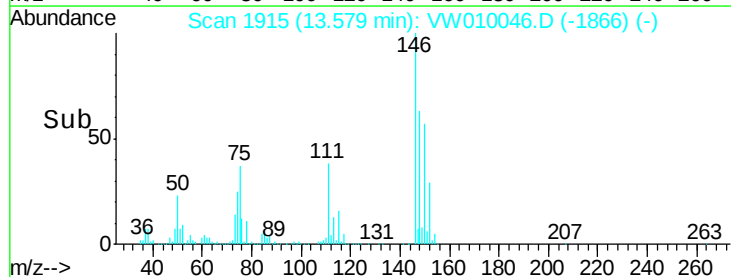
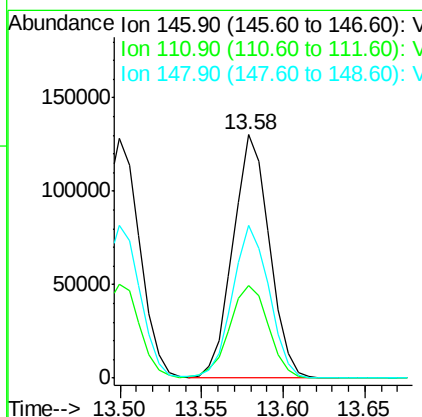
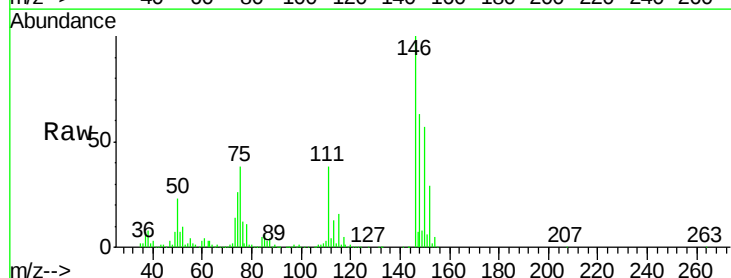
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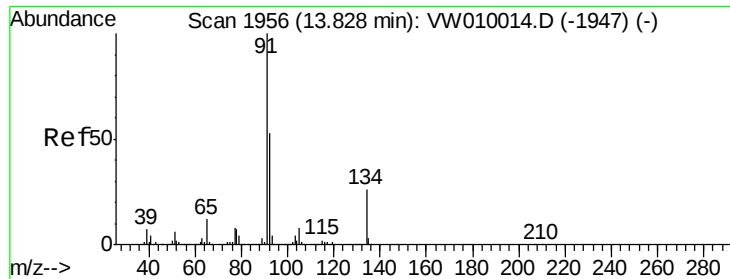
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#88
 1,4-Dichlorobenzene
 Concen: 21.083 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	202793		
111	41.1	20.1	60.3	
148	63.4	31.8	95.3	





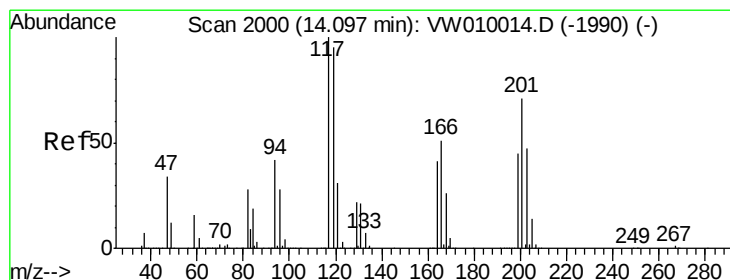
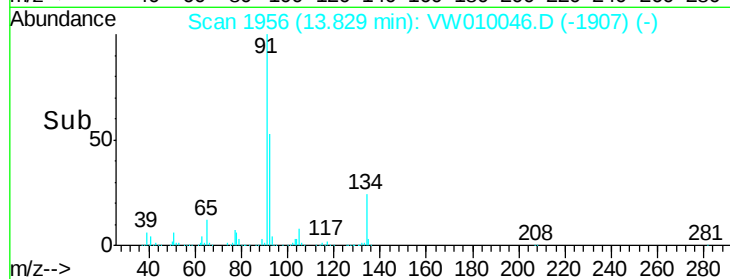
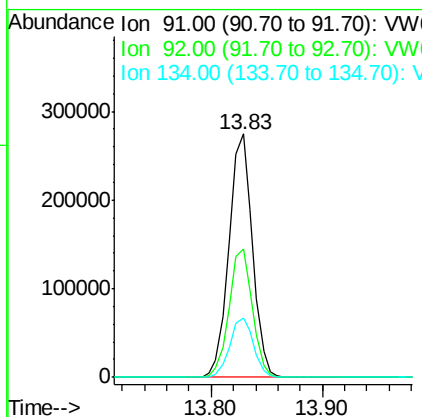
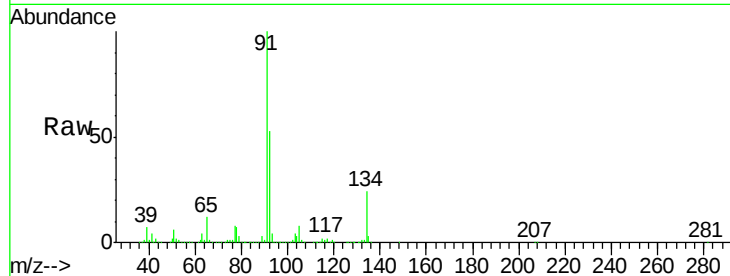
#89
n-Butylbenzene
Concen: 21.009 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.4
134	24.8	12.4	37.0

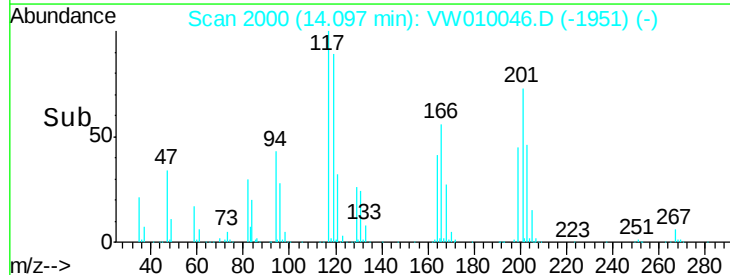
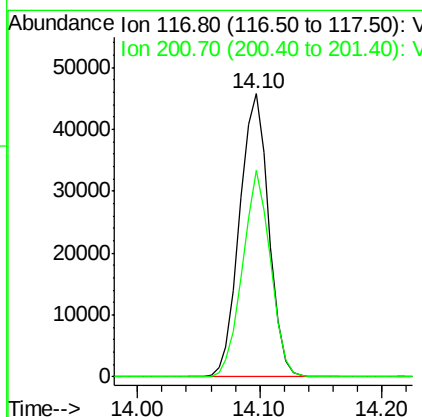
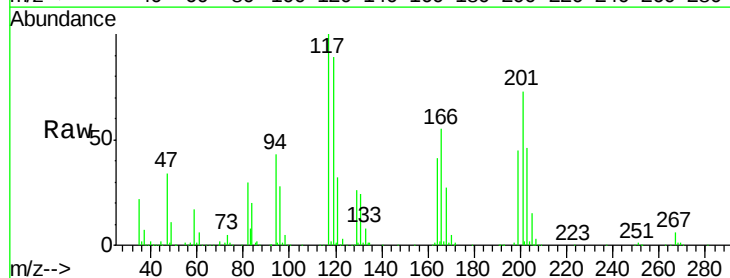
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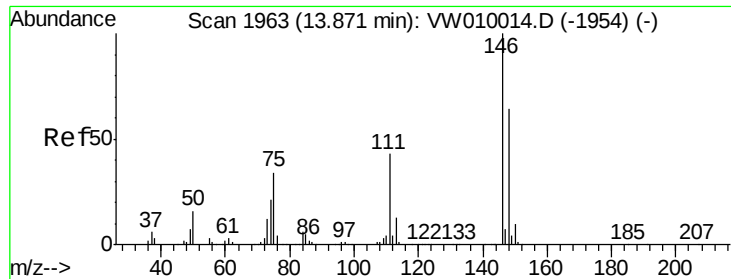
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#90
Hexachloroethane
Concen: 20.554 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010046.D
Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	36.1	108.3





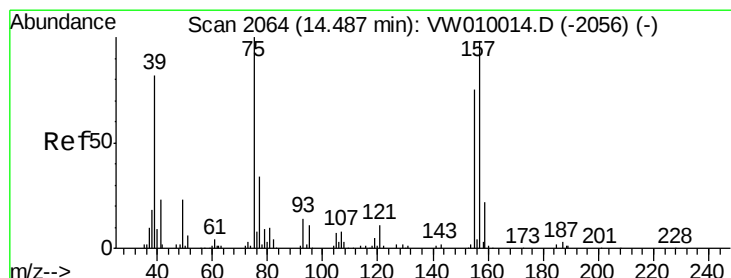
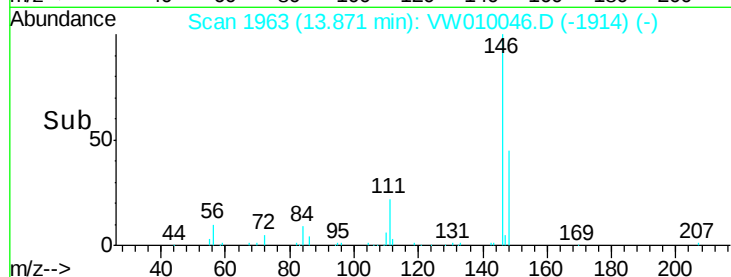
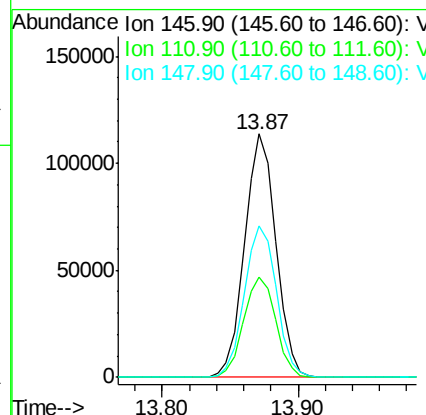
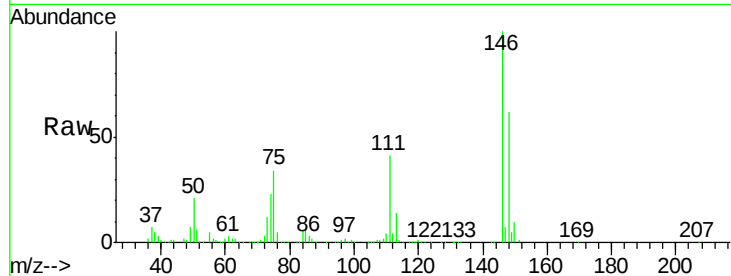
#91
 1,2-Dichlorobenzene
 Concen: 21.223 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0418SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183375		
111	42.4	20.9	62.8	
148	63.6	31.9	95.7	

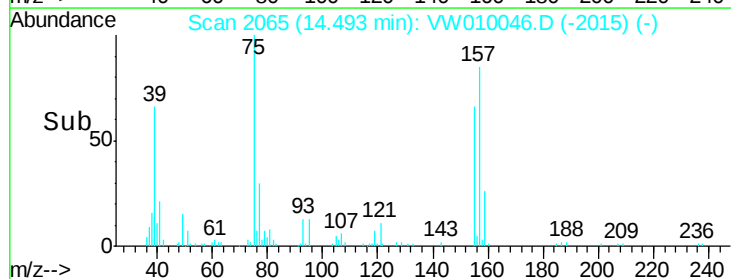
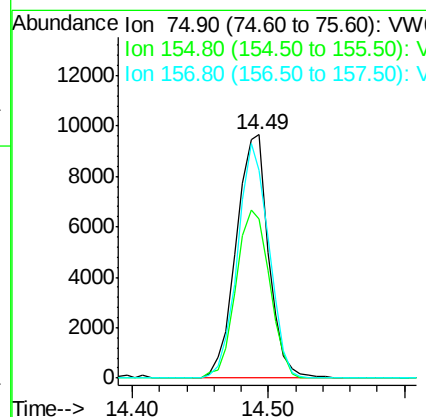
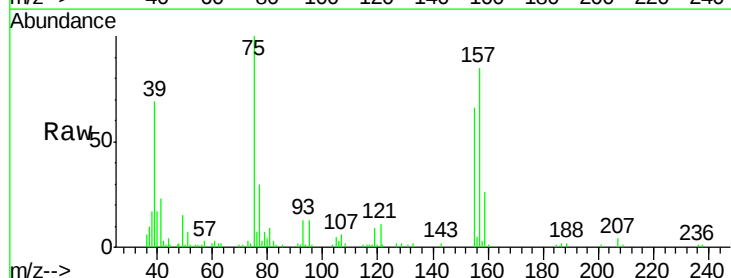
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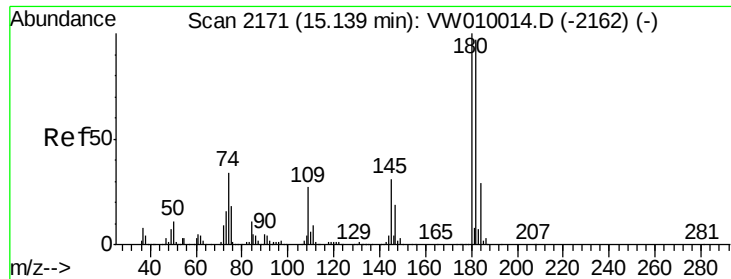
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 4/19/2019 12:53:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.842 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16007		
155	71.9	37.1	111.5	
157	92.9	47.3	141.9	





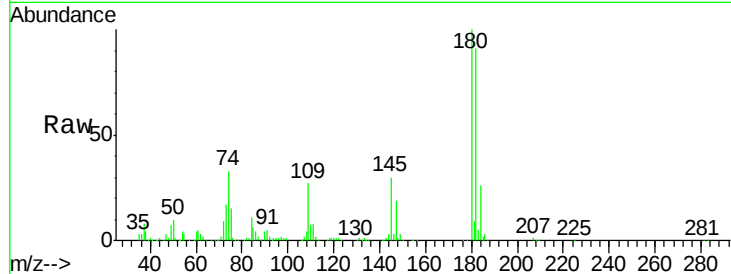
#93
 1,2,4-Trichlorobenzene
 Concen: 20.678 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

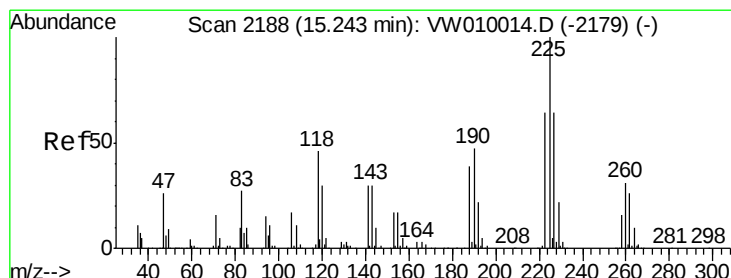
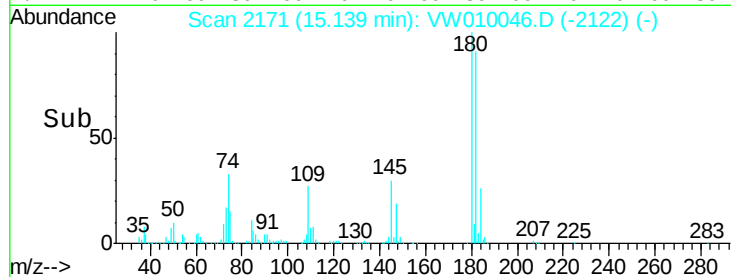
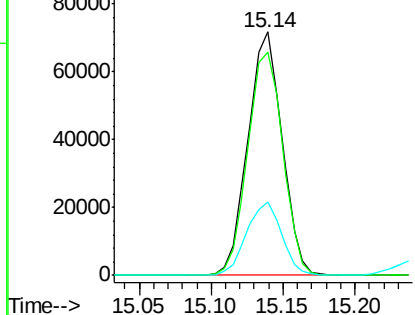
Tot Ion	Ratio	Resp	Lower	Upper
180	100	117869		
182	94.2	47.1	141.4	
145	30.8	15.2	45.6	

Manual Integrations
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 4/19/2019 12:53:04 PM

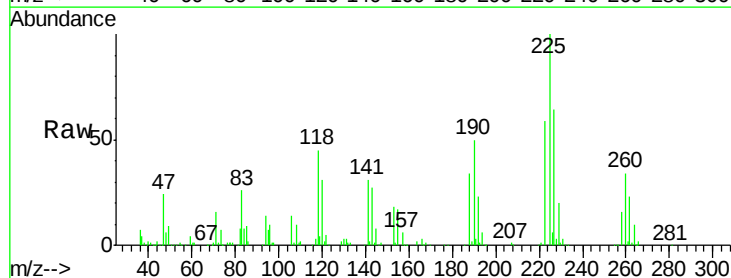


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

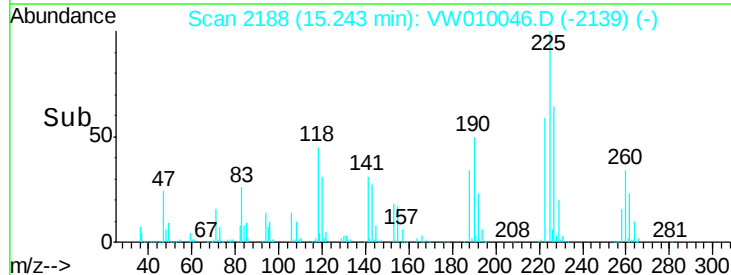
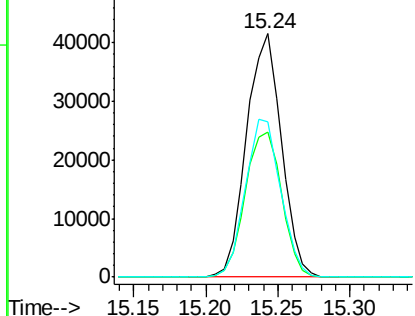


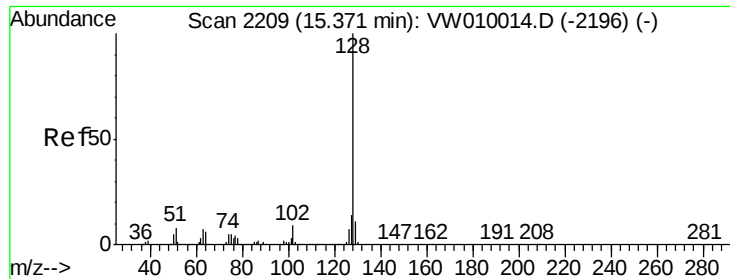
#94
 Hexachlorobutadiene
 Concen: 20.073 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010046.D
 Acq: 18 Apr 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69482		
223	62.1	31.9	95.5	
227	65.8	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.151 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Instrument :

MSVOA_W

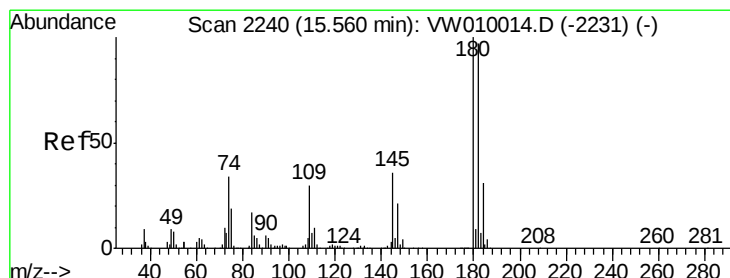
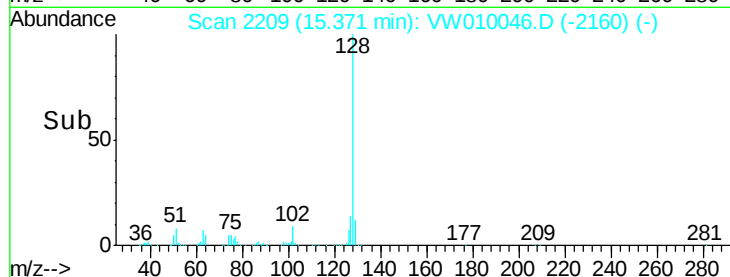
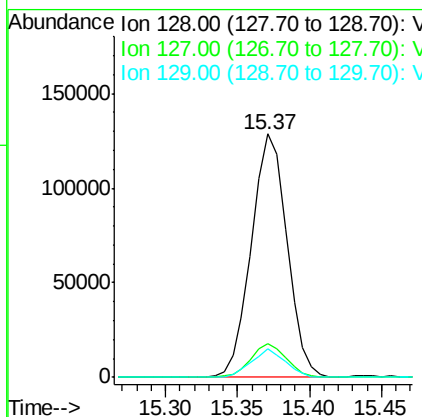
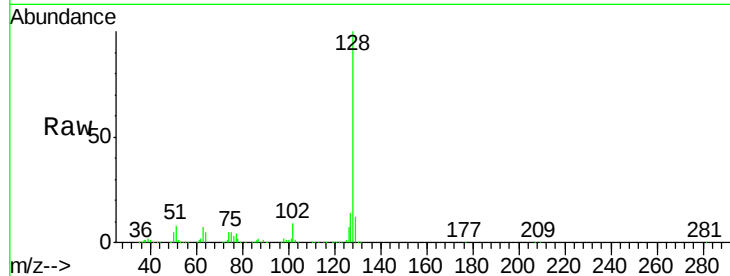
ClientSampleId :

VW0418SBS01

Tot Ion:	128	Resp:	221169
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
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4/19/2019 12:53:04 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.308 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010046.D

Acq: 18 Apr 2019 15:39

Tgt Ion:	180	Resp:	105381
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.8	143.3
145	32.8	16.4	49.2

