

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010013.D
 Acq On : 17 Apr 2019 11:49
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:07 AM

Quant Time: Apr 18 02:01:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	618943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	567440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	294642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	99611	21.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.18%	
35) Dibromofluoromethane	7.88	113	82208	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	
50) Toluene-d8	10.32	98	312594	21.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.40%	
62) 4-Bromofluorobenzene	12.62	95	111968	20.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	58400	20.351 ug/l	99
3) Chloromethane	2.21	50	55970	19.177 ug/l	96
4) Vinyl Chloride	2.37	62	69492	20.484 ug/l	98
5) Bromomethane	2.78	94	45323	19.879 ug/l	98
6) Chloroethane	2.92	64	46076	20.786 ug/l	99
7) Trichlorofluoromethane	3.26	101	45466	19.383 ug/l	96
8) Diethyl Ether	3.67	74	37791	19.369 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80041	20.819 ug/l	99
10) Methyl Iodide	4.26	142	109227	20.025 ug/l	100
11) Tert butyl alcohol	5.18	59	26410	98.445 ug/l	99
12) 1,1-Dichloroethene	4.03	96	75444	19.938 ug/l	97
13) Acrolein	3.89	56	26672	94.229 ug/l	100
14) Allyl chloride	4.66	41	133344	19.821 ug/l	98
15) Acrylonitrile	5.37	53	98644	98.240 ug/l	99
16) Acetone	4.12	43	106022	96.739 ug/l	95
17) Carbon Disulfide	4.38	76	204616	19.713 ug/l	99
18) Methyl Acetate	4.67	43	48055	18.946 ug/l	100
19) Methyl tert-butyl Ether	5.42	73	95571	19.445 ug/l	100
20) Methylene Chloride	4.91	84	92557	18.357 ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	81621	19.919 ug/l	99
22) Diisopropyl ether	6.31	45	286502	20.995 ug/l	99
23) Vinyl Acetate	6.26	43	867774	101.018 ug/l	100
24) 1,1-Dichloroethane	6.21	63	166613	20.425 ug/l	99
25) 2-Butanone	7.17	43	138970	96.530 ug/l	97
26) 2,2-Dichloropropane	7.17	77	94680	20.978 ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	88848	19.716 ug/l	99
28) Bromochloromethane	7.51	49	72069	21.618 ug/l	93
29) Tetrahydrofuran	7.53	42	88984	97.547 ug/l	98
30) Chloroform	7.67	83	167719	20.519 ug/l	99
31) Cyclohexane	7.95	56	151996	19.898 ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	133070	20.737 ug/l	99
36) 1,1-Dichloropropene	8.08	75	127309	20.136 ug/l	99
37) Ethyl Acetate	7.25	43	61837	19.248 ug/l	98
38) Carbon Tetrachloride	8.07	117	124565	20.187 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140345	19.727	ug/l	96
40) Benzene	8.32	78	349554	20.221	ug/l	97
41) Methacrylonitrile	7.49	41	35597	19.441	ug/l	98
42) 1,2-Dichloroethane	8.40	62	118470	19.941	ug/l	99
43) Isopropyl Acetate	8.43	43	116480	19.348	ug/l	100
44) Trichloroethene	9.09	130	89459	20.375	ug/l	99
45) 1,2-Dichloropropane	9.37	63	91567	20.152	ug/l	98
46) Dibromomethane	9.46	93	46830	19.885	ug/l	100
47) Bromodichloromethane	9.64	83	120931	19.892	ug/l	98
48) Methyl methacrylate	9.43	41	55979	19.102	ug/l	98
49) 1,4-Dioxane	9.44	88	14565	404.746	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	308609	97.874	ug/l	99
52) Toluene	10.38	92	219543	20.388	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118020	19.580	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	136504	19.833	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66206	20.141	ug/l	97
56) Ethyl methacrylate	10.65	69	75652	18.513	ug/l	98
57) 1,3-Dichloropropane	10.93	76	116692	19.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	179189	91.229	ug/l	100
59) 2-Hexanone	10.97	43	213448	97.246	ug/l	98
60) Dibromochloromethane	11.13	129	73000	19.214	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62569	20.010	ug/l	99
64) Tetrachloroethene	10.87	164	72673	19.729	ug/l	98
65) Chlorobenzene	11.66	112	239889	20.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	82962	19.975	ug/l	97
67) Ethyl Benzene	11.73	91	420286	20.283	ug/l	100
68) m/p-Xylenes	11.84	106	320098	41.326	ug/l	99
69) o-Xylene	12.17	106	145203	20.588	ug/l	98
70) Styrene	12.18	104	243968	20.063	ug/l	99
71) Bromoform	12.35	173	42329	19.274	ug/l #	98
73) Isopropylbenzene	12.47	105	412058	20.094	ug/l	99
74) N-amyl acetate	12.27	43	109033	19.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	77569	19.146	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	57162m	16.183	ug/l	
77) Bromobenzene	12.75	156	93043	19.728	ug/l	100
78) n-propylbenzene	12.80	91	518713	20.409	ug/l	99
79) 2-Chlorotoluene	12.90	91	296488	20.284	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	351539	20.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22108	17.678	ug/l	91
82) 4-Chlorotoluene	12.99	91	311630	20.257	ug/l	99
83) tert-Butylbenzene	13.21	119	290038	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	361242	20.492	ug/l	98
85) sec-Butylbenzene	13.39	105	439414	20.422	ug/l	99
86) p-Isopropyltoluene	13.50	119	384626	20.281	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	193769	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	192869	20.268	ug/l	98
89) n-Butylbenzene	13.83	91	378000	20.118	ug/l	100
90) Hexachloroethane	14.10	117	72238	19.887	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	173792	20.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14260	19.668	ug/l	98

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QLast Update : Thu Apr 18 01:42:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	111367	19.748	ug/l	100
94) Hexachlorobutadiene	15.24	225	67484	19.706	ug/l	100
95) Naphthalene	15.37	128	192816	19.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	96704	19.765	ug/l	99

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

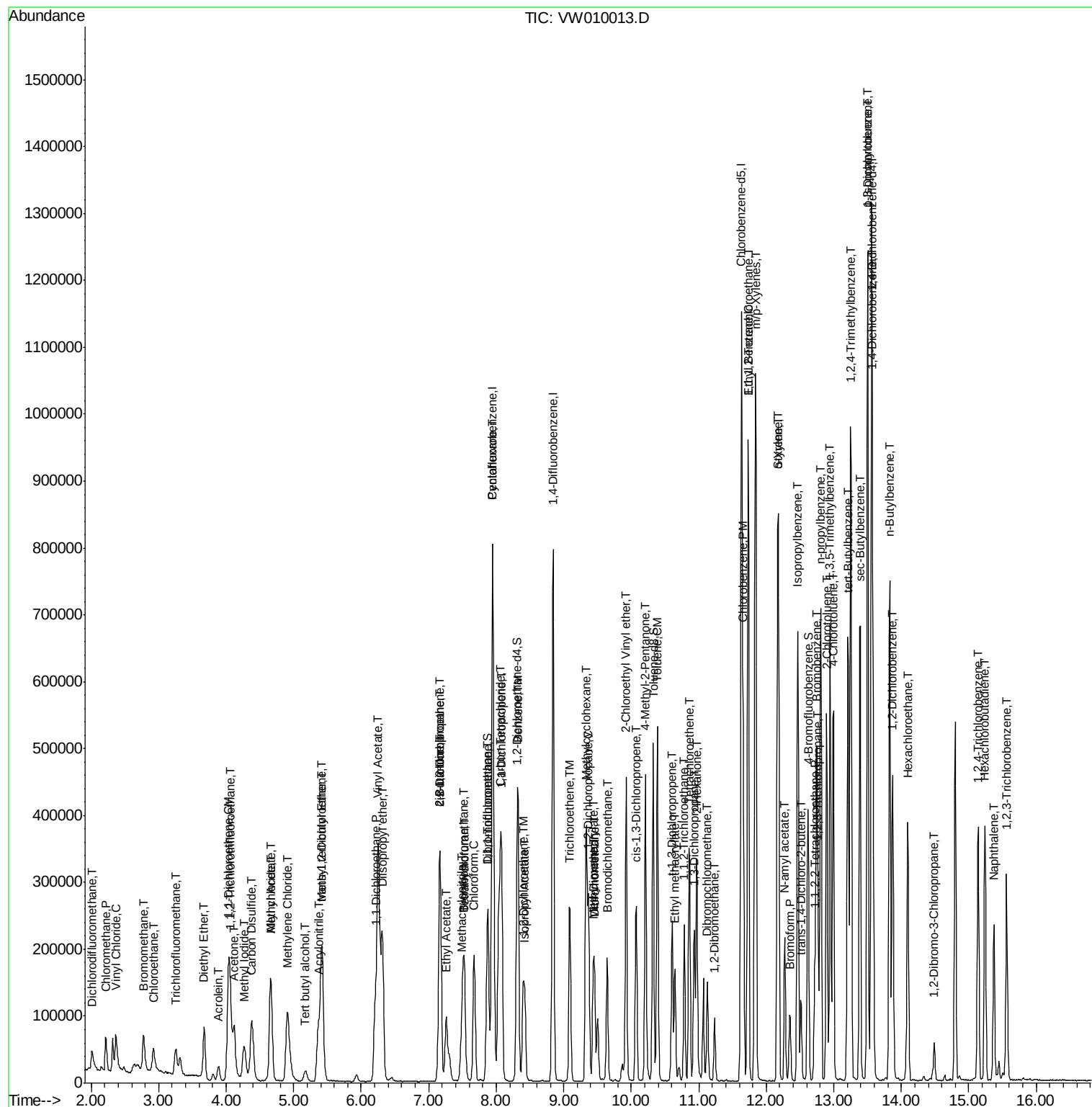
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041719\
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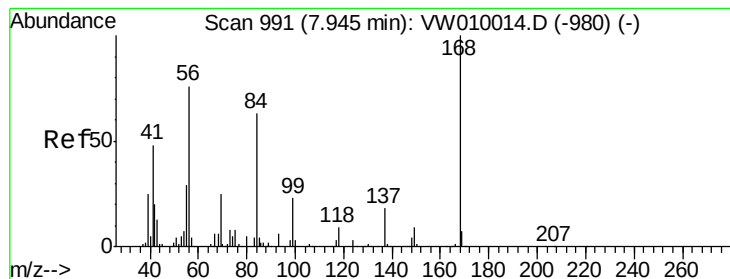
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 382764

Ion Ratio Lower Upper

168 100

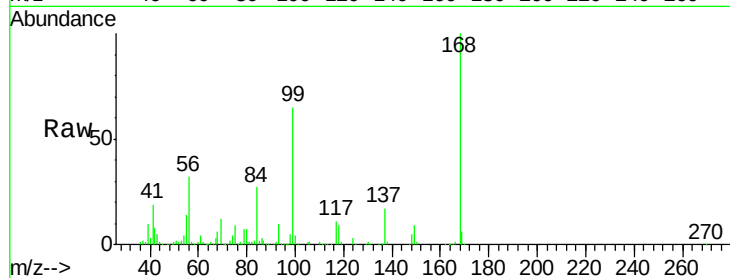
99 65.4 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

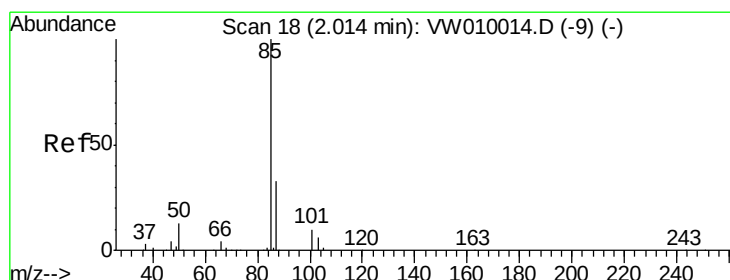
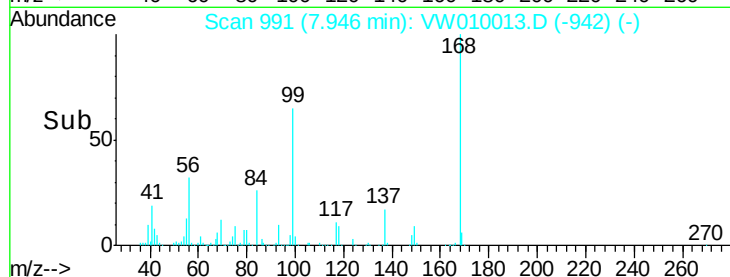
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.351 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010013.D

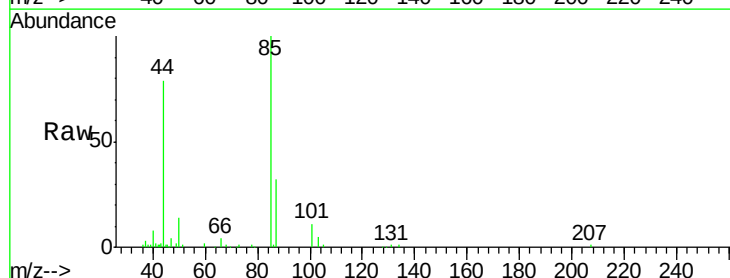
Acq: 17 Apr 2019 11:49

Tgt Ion: 85 Resp: 58400

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

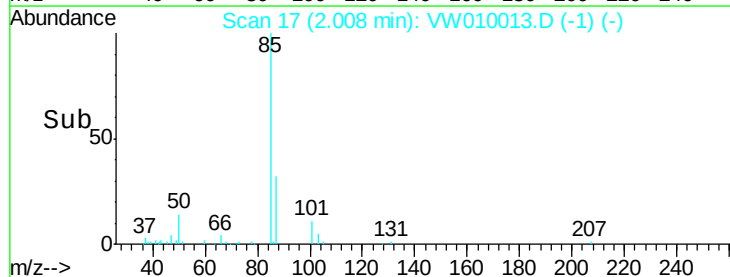
15000

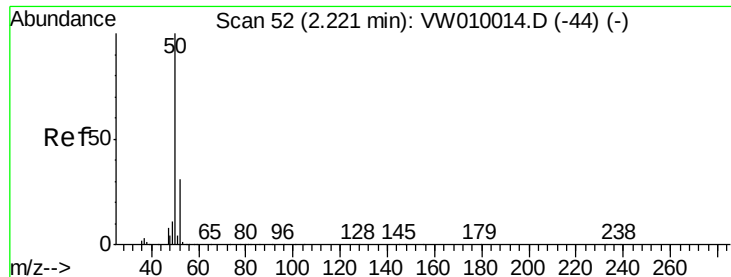
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.177 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 55970

Ion Ratio Lower Upper

50 100

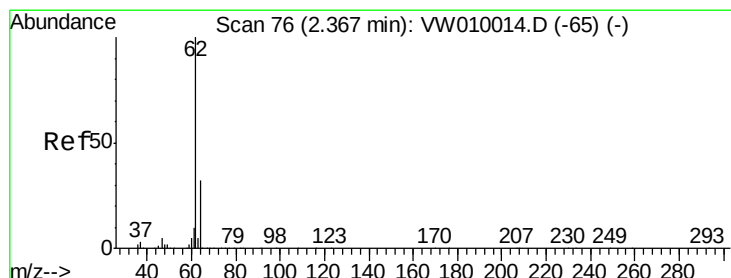
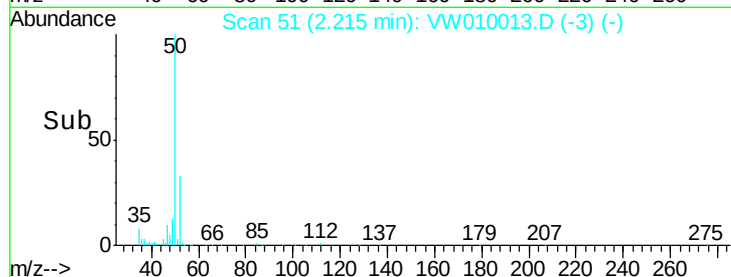
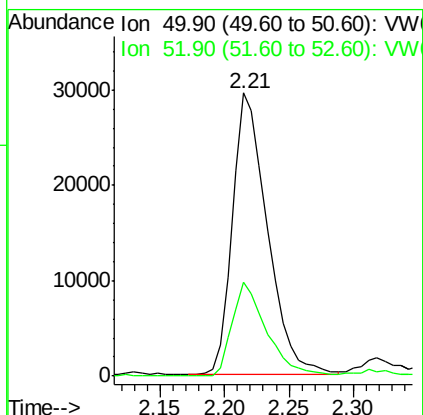
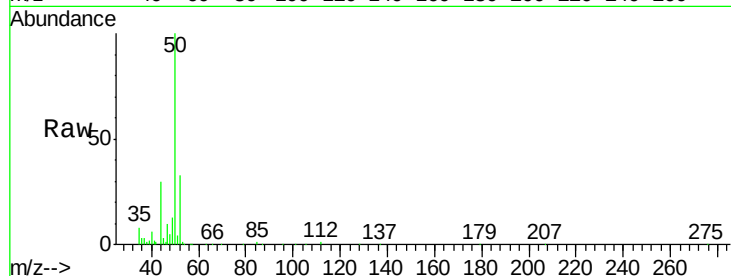
52 33.4 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.484 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010013.D

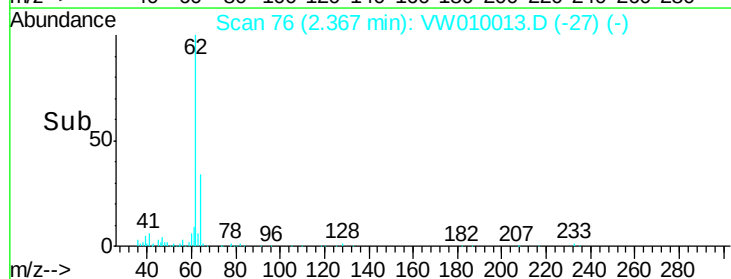
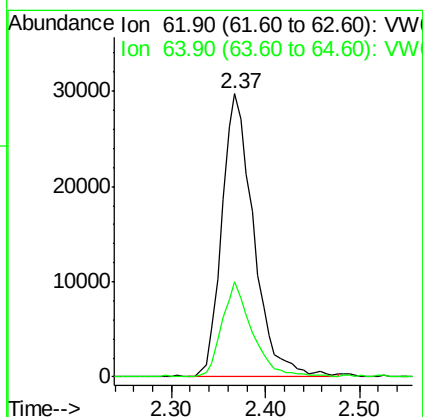
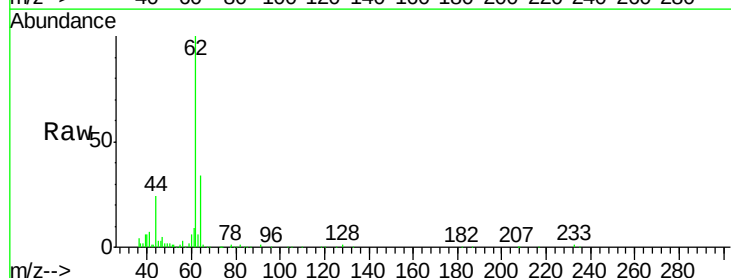
Acq: 17 Apr 2019 11:49

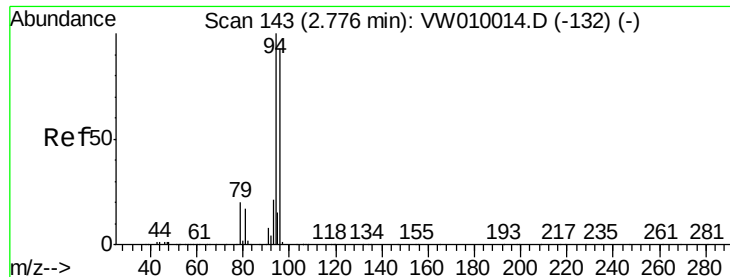
Tgt Ion: 62 Resp: 69492

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9





#5

Bromomethane

Concen: 19.879 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 45323

Ion Ratio Lower Upper

94 100

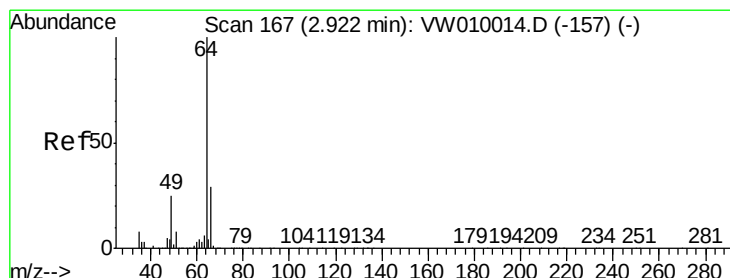
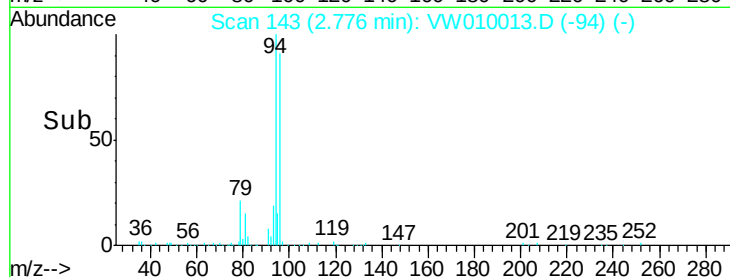
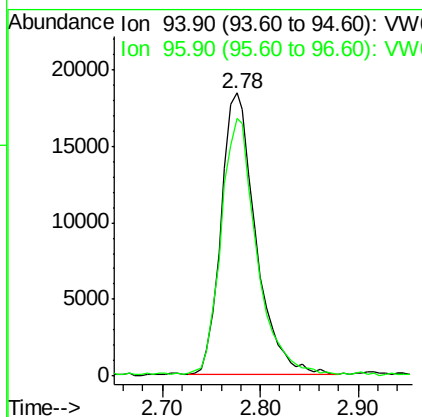
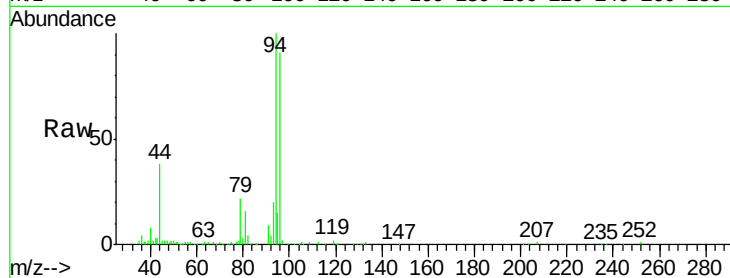
96 90.9 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.786 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010013.D

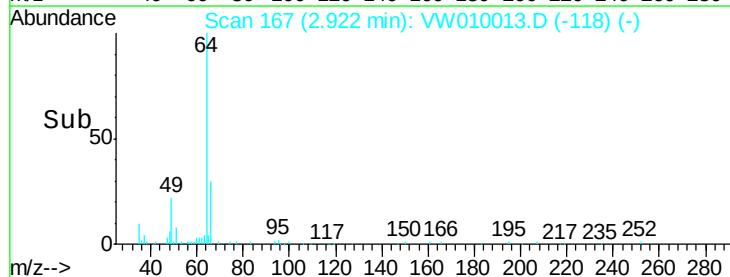
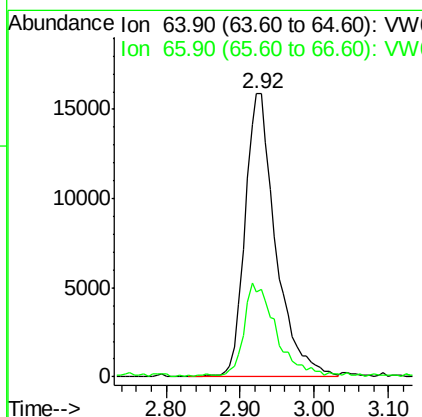
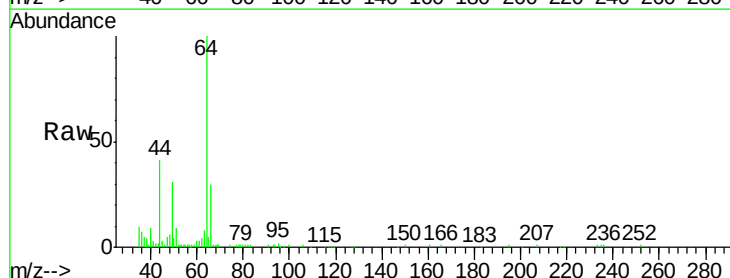
Acq: 17 Apr 2019 11:49

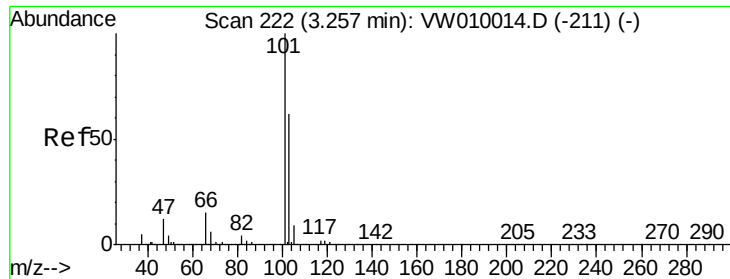
Tgt Ion: 64 Resp: 46076

Ion Ratio Lower Upper

64 100

66 29.7 23.4 35.0





#7

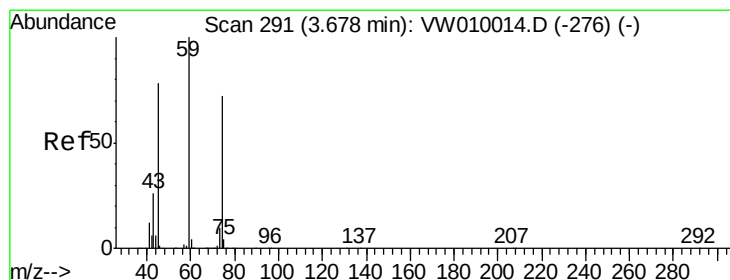
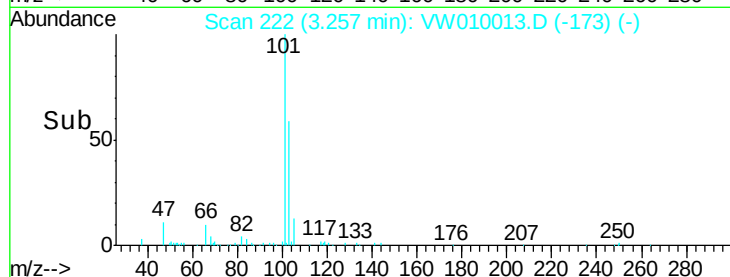
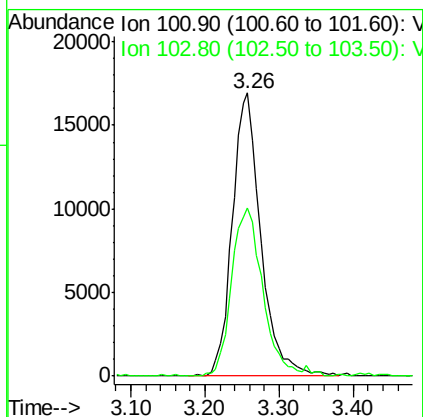
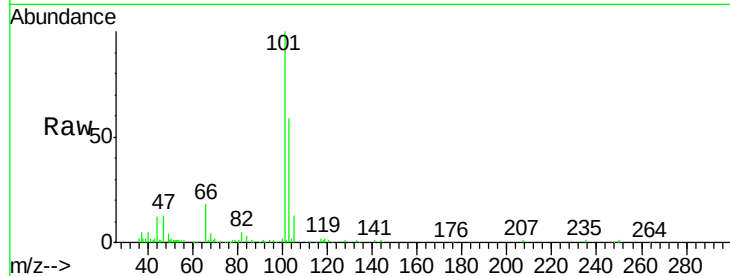
Trichlorofluoromethane
 Concen: 19.383 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	49.8	74.6

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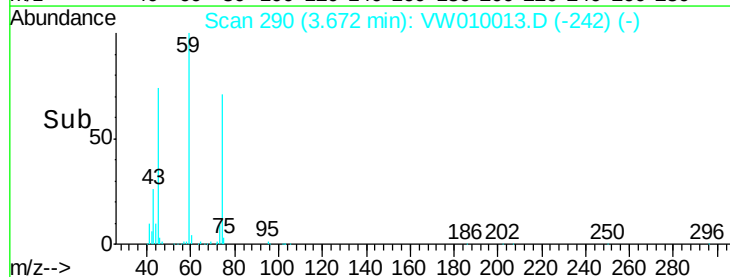
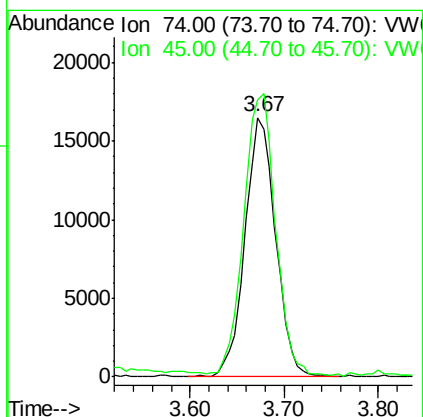
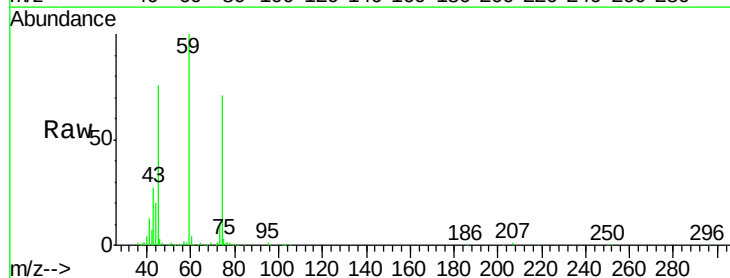
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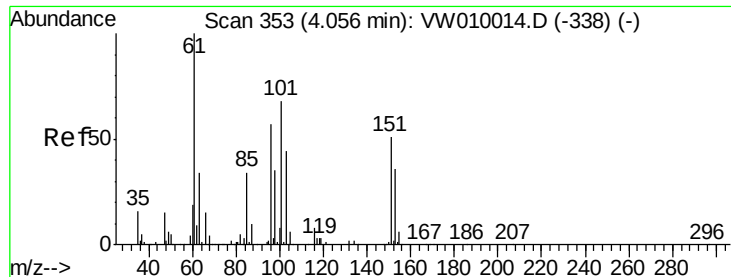


#8

Diethyl Ether
 Concen: 19.369 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.819 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010013.D

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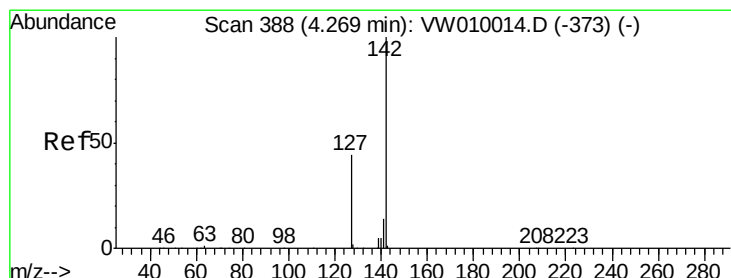
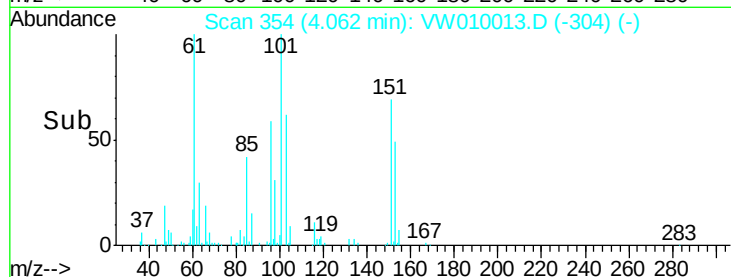
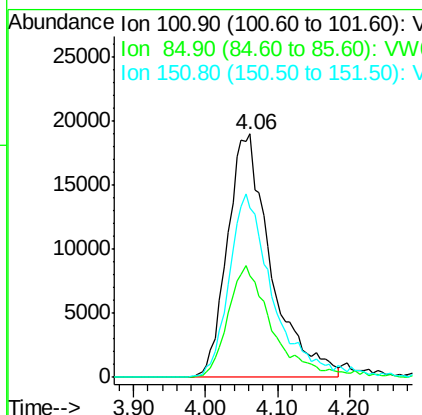
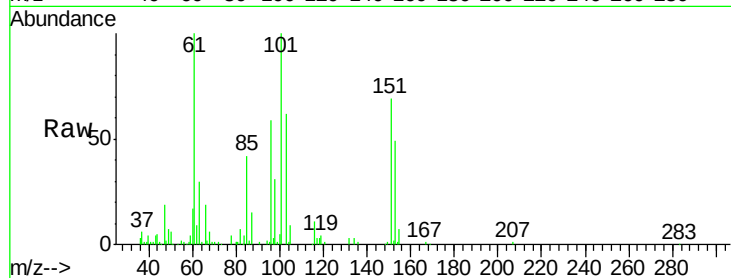
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	80041
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.3	54.5
151	74.7	60.2	90.2

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#10

Methyl Iodide

Concen: 20.025 ug/l

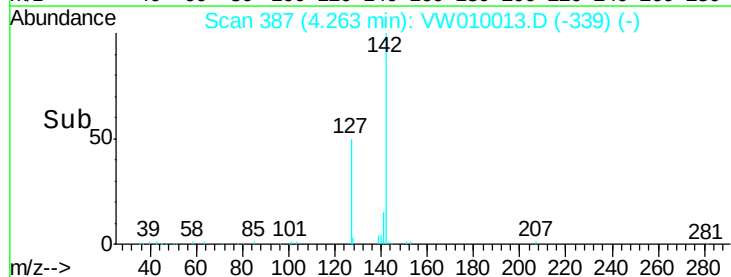
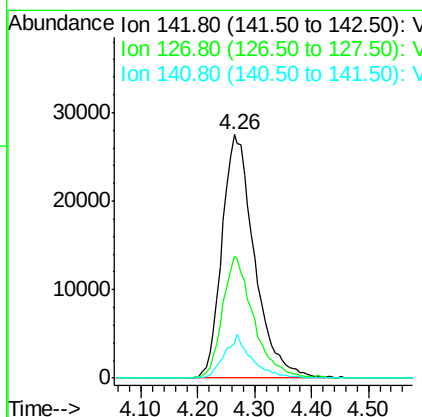
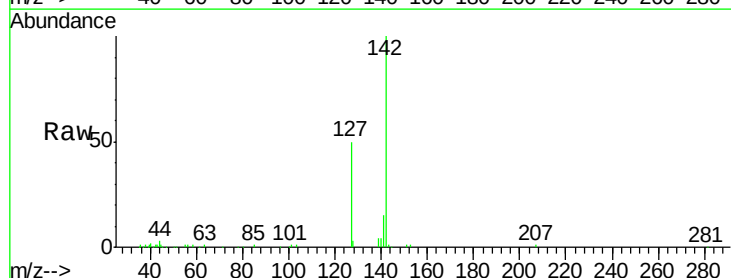
RT: 4.26 min Scan# 387

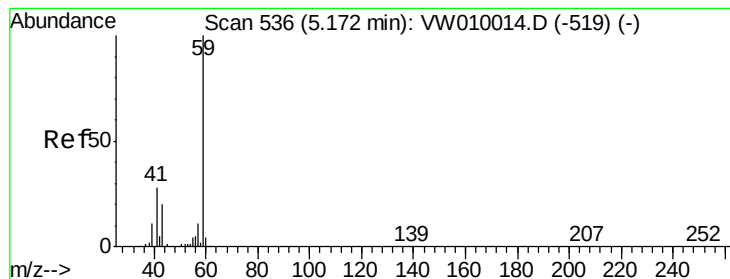
Delta R.T. -0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	142	Resp:	109227
Ion Ratio	Lower	Upper	
142	100		
127	47.7	38.1	57.1
141	15.0	12.2	18.2





#11

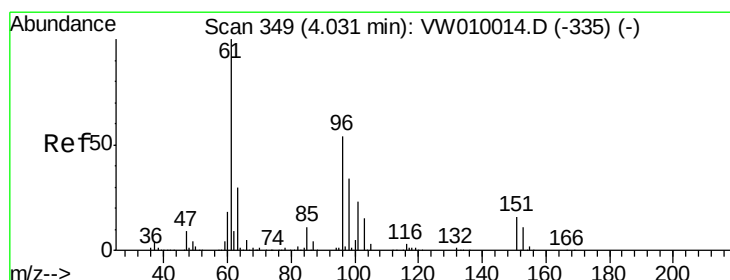
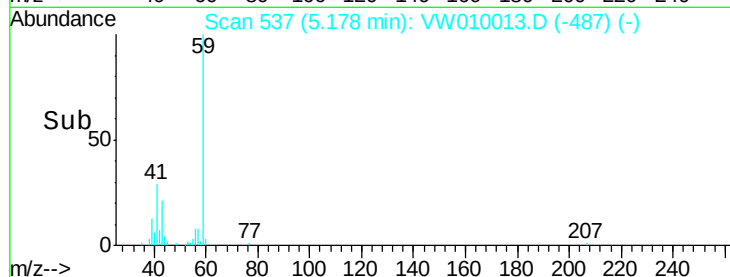
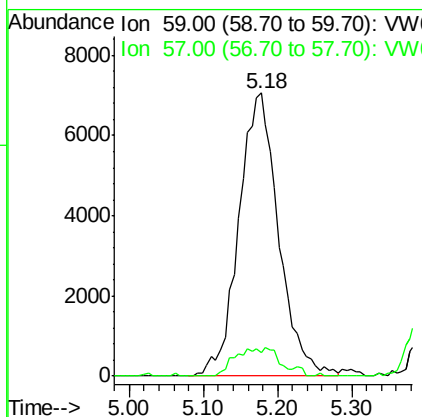
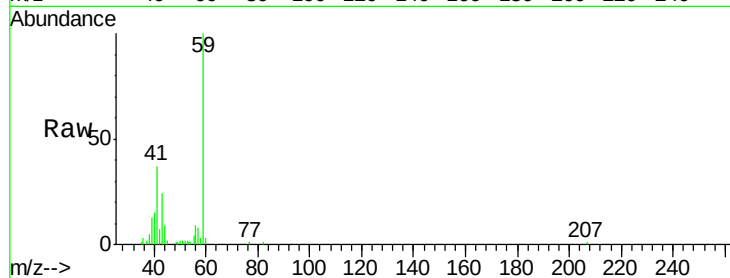
Tert butyl alcohol
 Concen: 98.445 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.4

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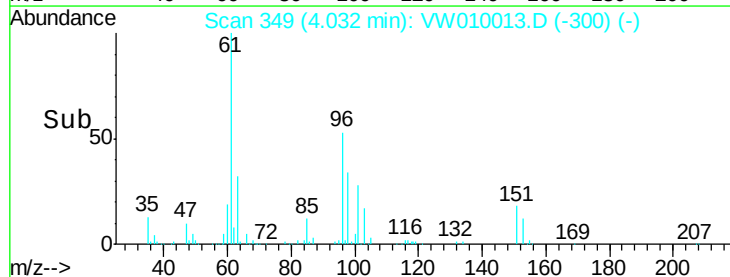
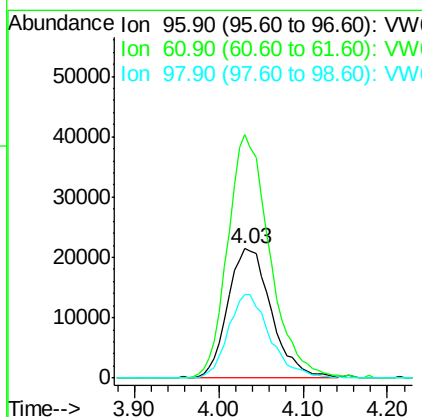
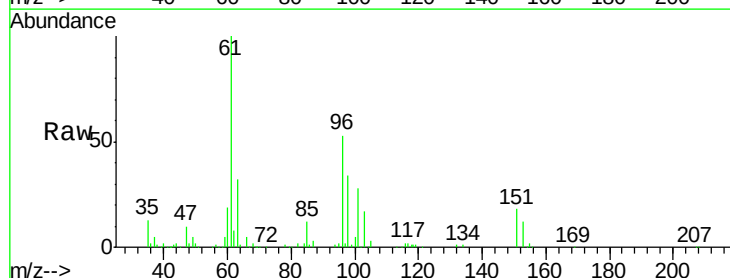
MMDadoda
 4/18/2019 11:40:07 AM

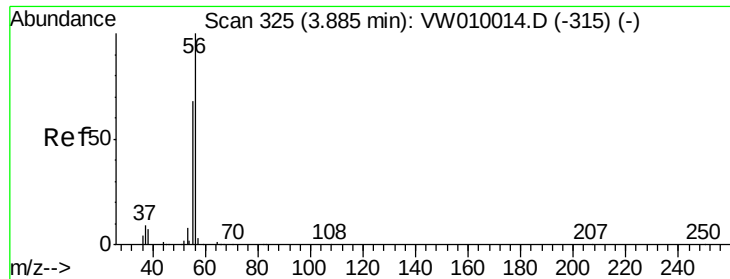


#12

1,1-Dichloroethene
 Concen: 19.938 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.9	147.4	221.2
98	64.3	49.7	74.5





#13

Acrolein

Concen: 94.229 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 26672

Ion Ratio Lower Upper

56 100

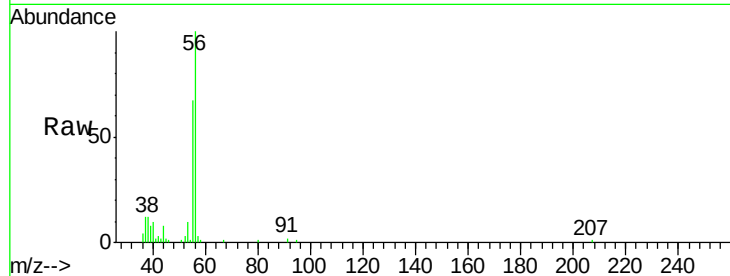
55 68.1 54.2 81.2

Manual Integrations

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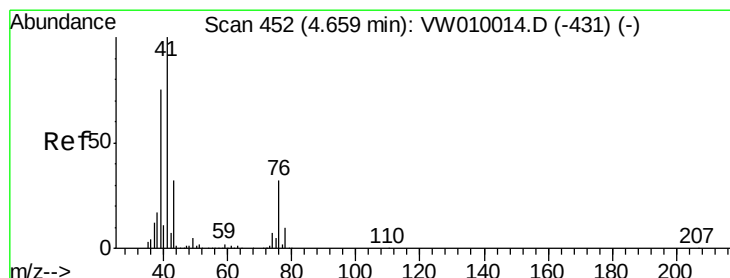
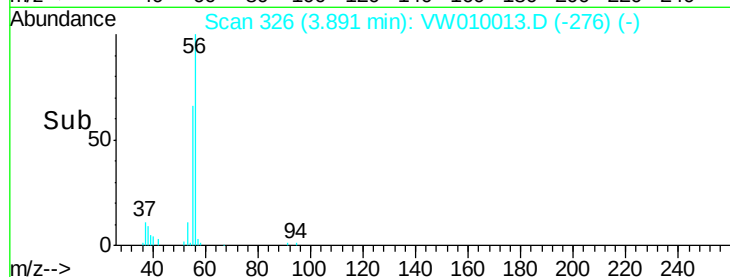
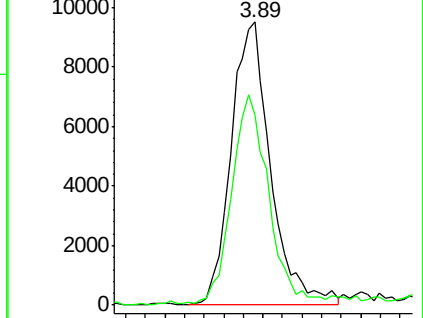
MMDadoda

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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: 19.821 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

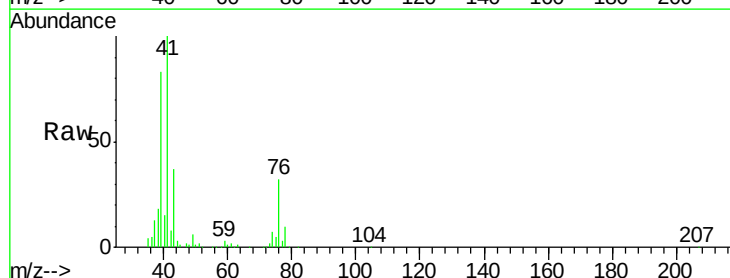
Tgt Ion: 41 Resp: 133344

Ion Ratio Lower Upper

41 100

39 76.8 60.2 90.4

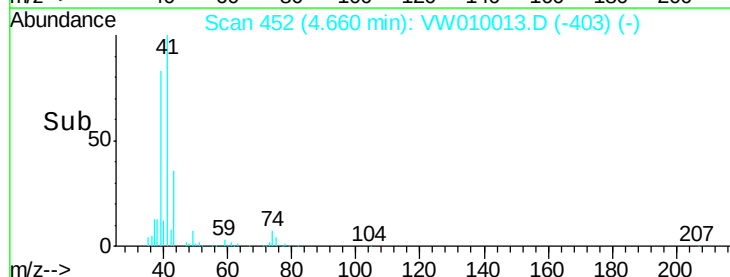
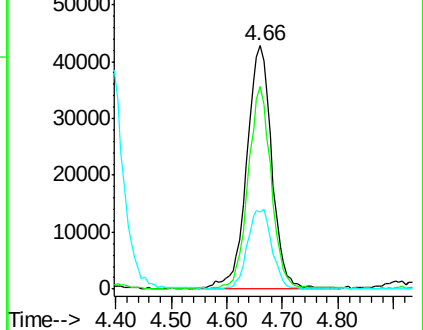
76 32.3 25.0 37.6

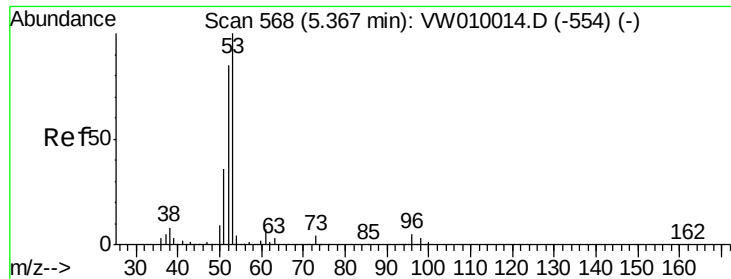


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 98.240 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

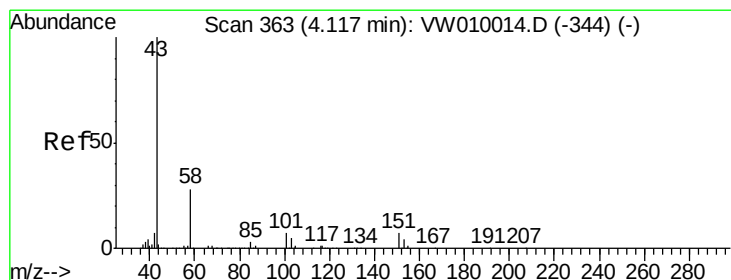
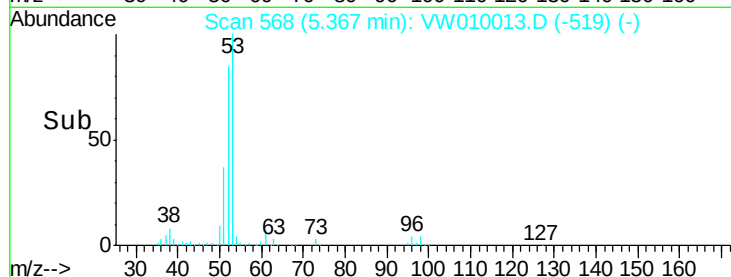
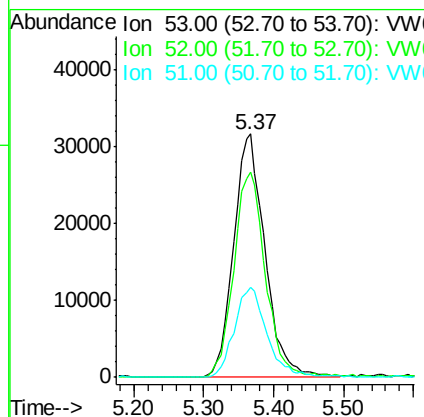
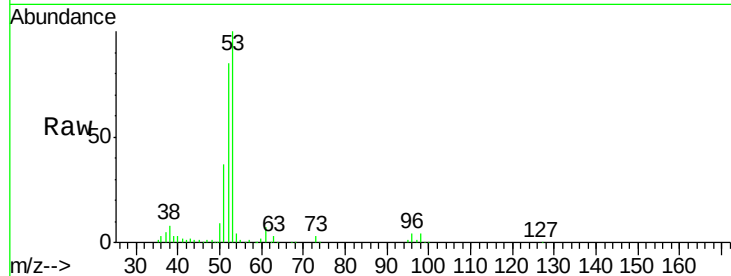
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	98644
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.6	100.0
51	38.8	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 96.739 ug/l

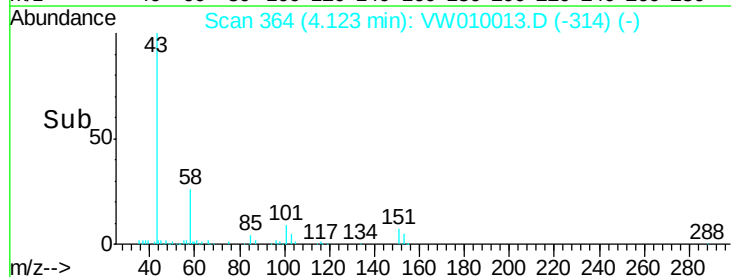
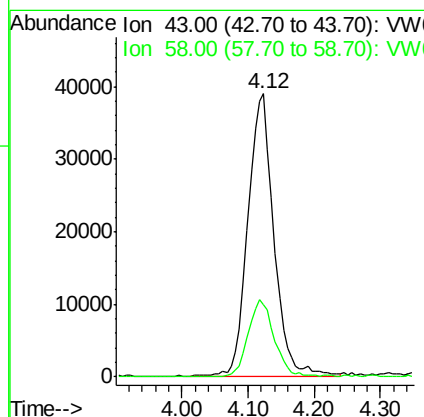
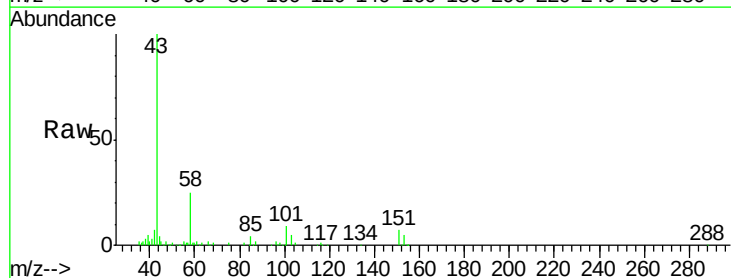
RT: 4.12 min Scan# 364

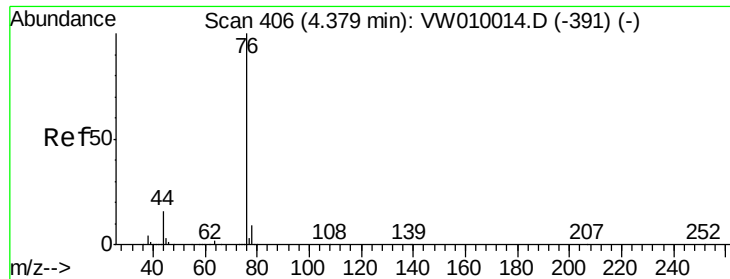
Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	43	Resp:	106022
Ion	Ratio	Lower	Upper
43	100		
58	25.6	22.7	34.1





#17

Carbon Disulfide

Concen: 19.713 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 204616

Ion Ratio Lower Upper

76 100

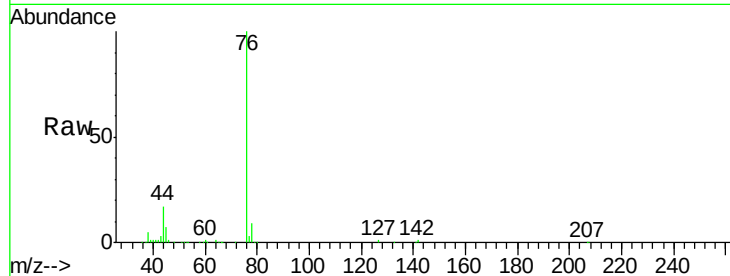
78 9.0 7.4 11.2

Manual Integrations

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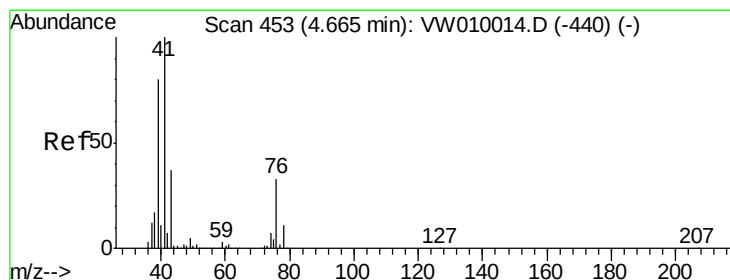
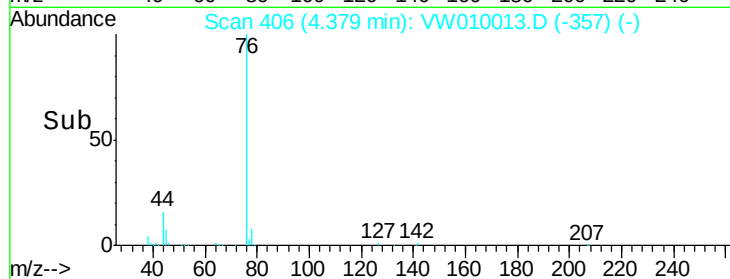
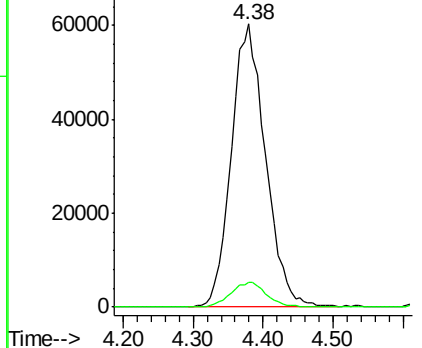
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.946 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010013.D

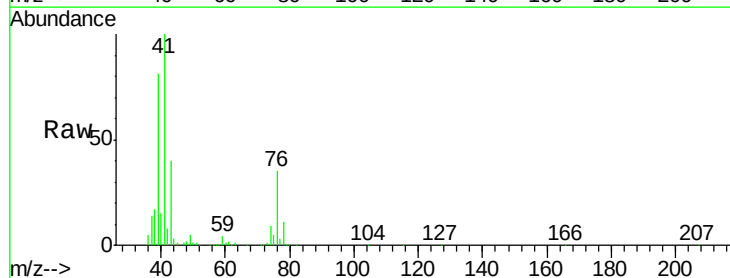
Acq: 17 Apr 2019 11:49

Tgt Ion: 43 Resp: 48055

Ion Ratio Lower Upper

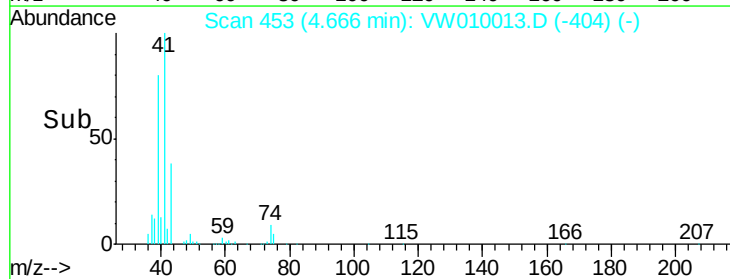
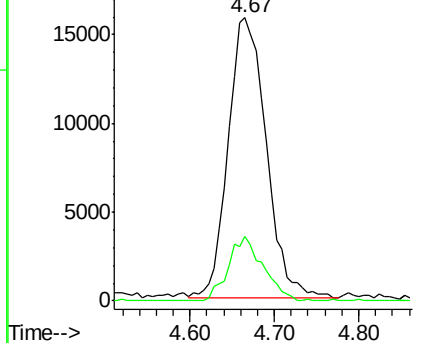
43 100

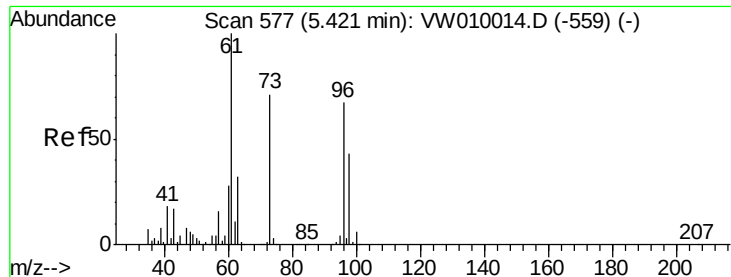
74 21.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





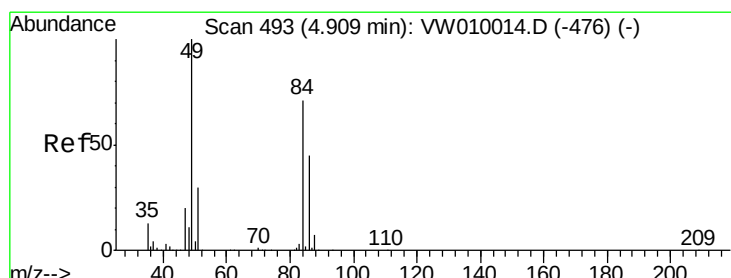
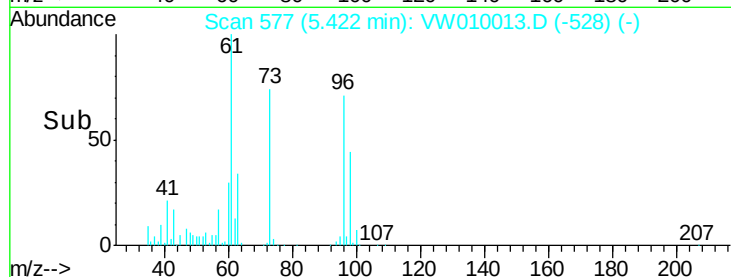
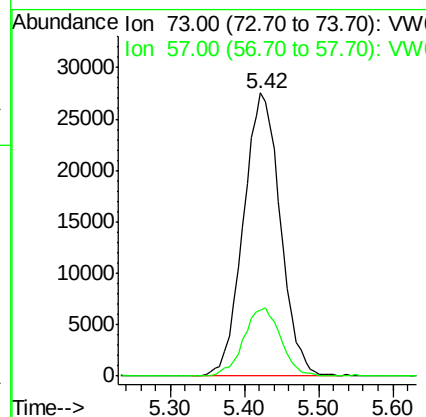
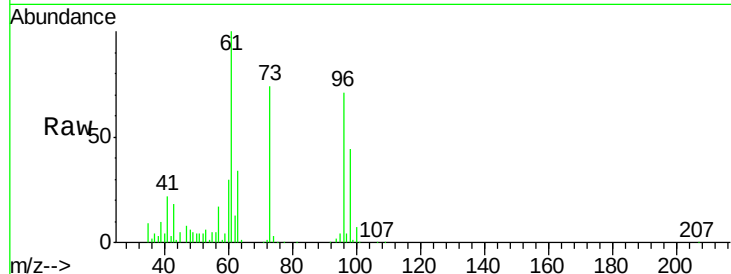
#19
Methyl tert-butyl Ether
Concen: 19.445 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.5	27.7

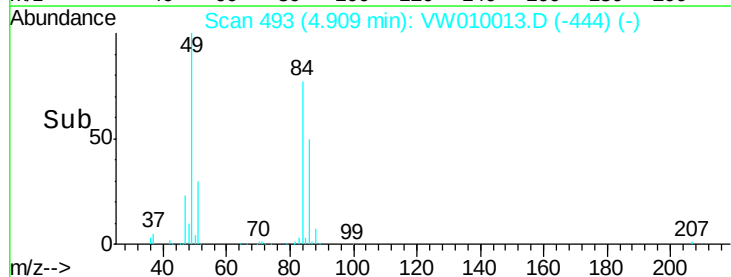
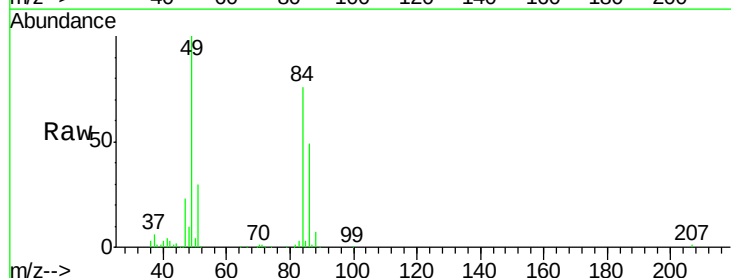
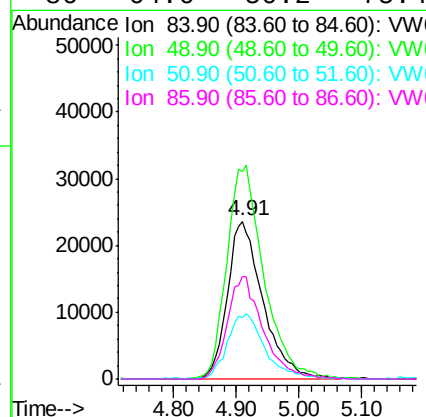
Manual Integrations
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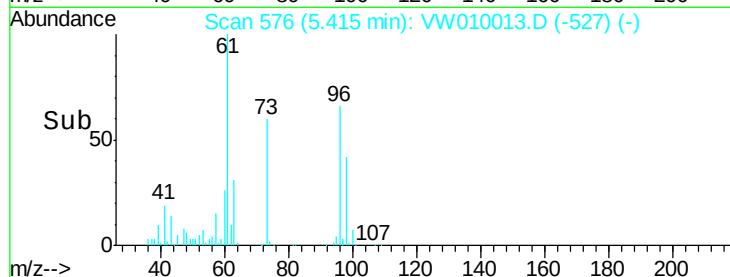
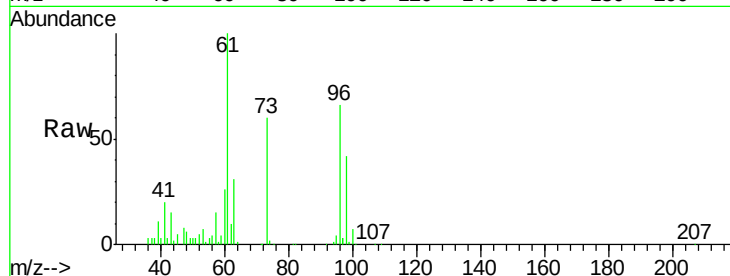
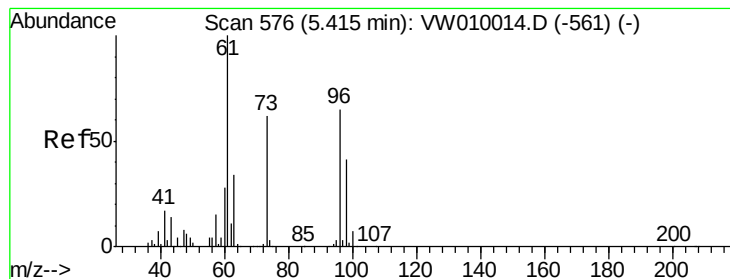
MMDadoda
4/18/2019 11:40:07 AM



#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	112.3	168.5
51	38.9	33.9	50.9
86	64.6	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 19.919 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tot Ion:	96	Resp:	81621
Ion	Ratio	Lower	Upper
96	100		
61	151.0	122.3	183.5
98	63.4	50.5	75.7

Instrument :

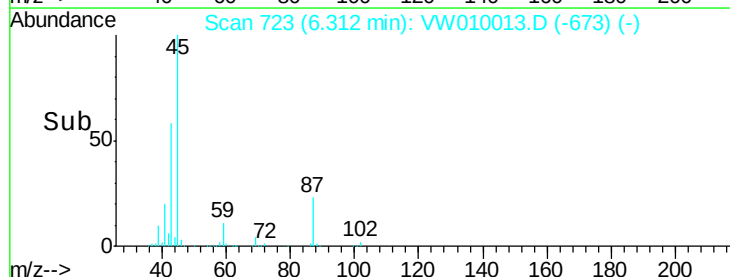
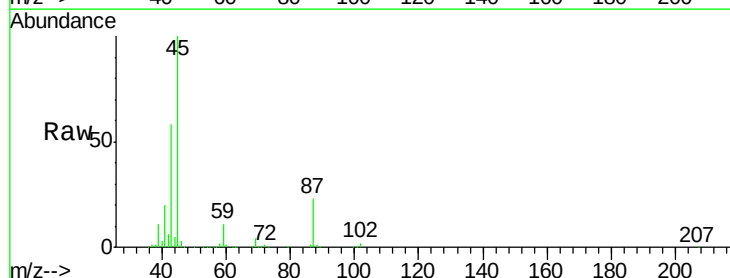
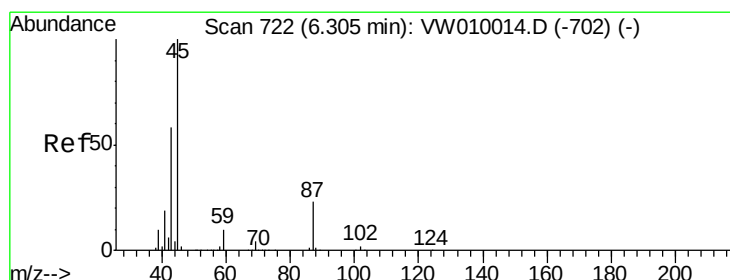
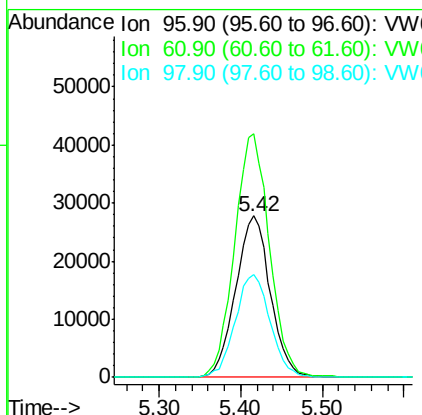
MSVOA_W

ClientSampleId :

VSTDIC020

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#22

Diisopropyl ether

Concen: 20.995 ug/l

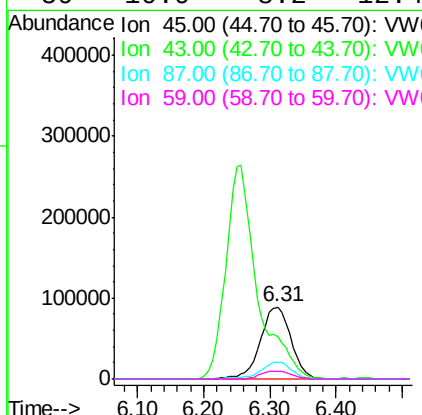
RT: 6.31 min Scan# 723

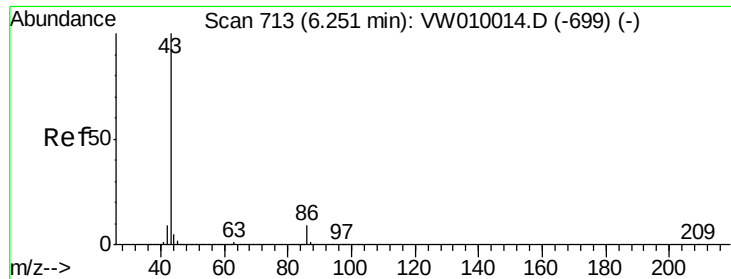
Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	45	Resp:	286502
Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.1	69.1
87	23.1	18.3	27.5
59	10.9	8.2	12.4





#23

Vinyl Acetate

Concen: 101.018 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 867774

Ion Ratio Lower Upper

43 100

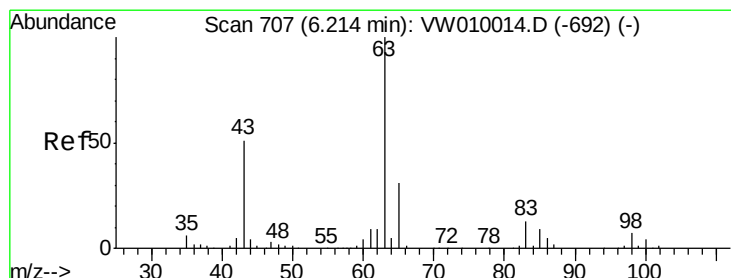
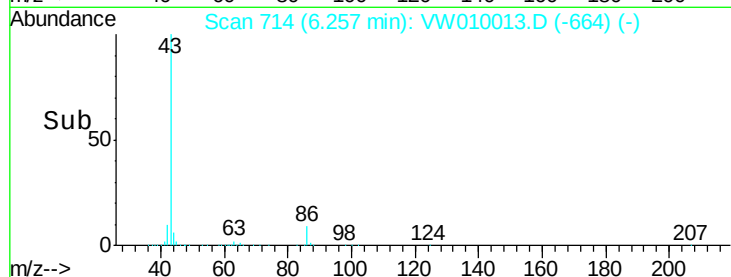
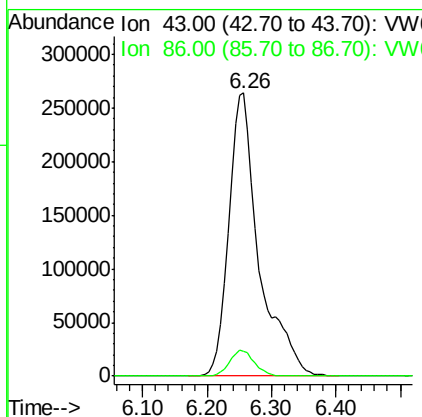
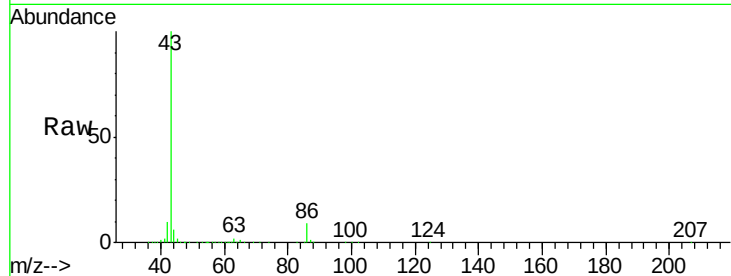
86 8.8 7.0 10.6

Manual Integrations

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MMDadoda

4/18/2019 11:40:07 AM



#24

1,1-Dichloroethane

Concen: 20.425 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

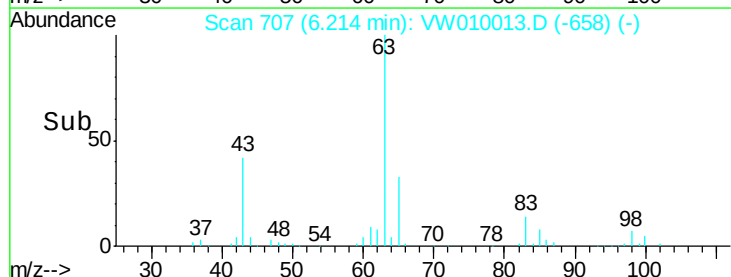
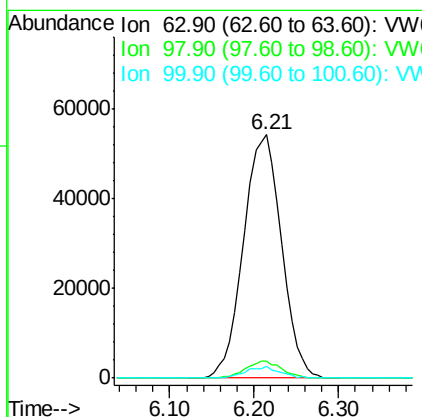
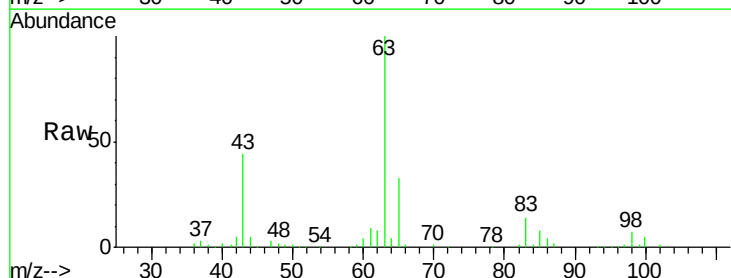
Tgt Ion: 63 Resp: 166613

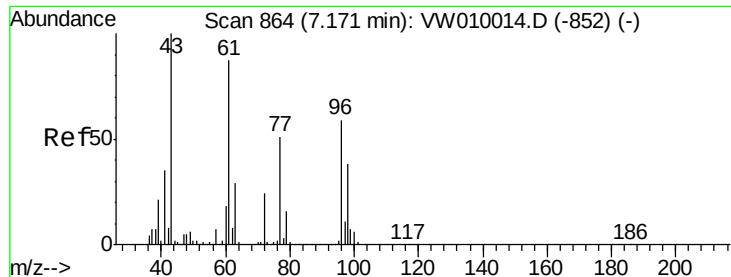
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 96.530 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 138970

Ion Ratio Lower Upper

43 100

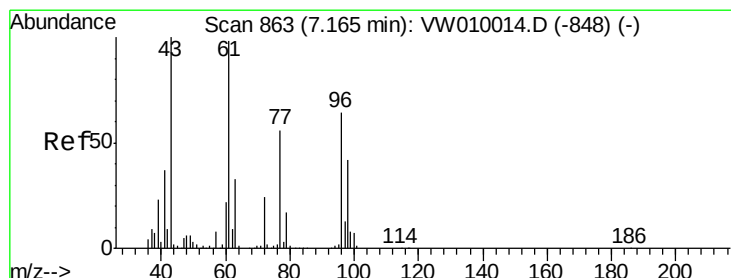
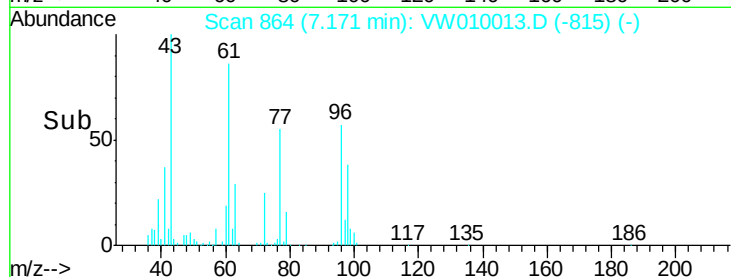
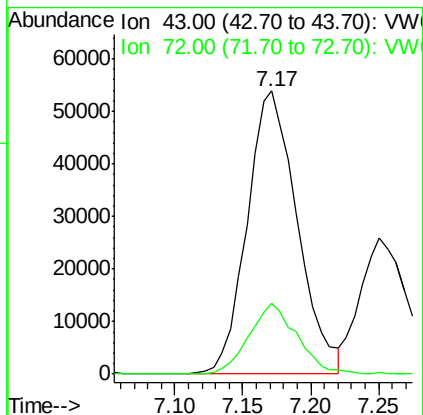
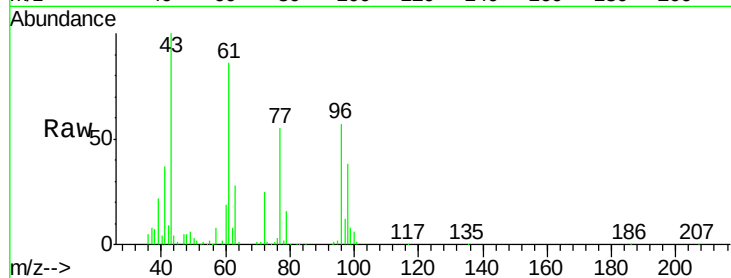
72 25.2 19.1 28.7

Manual Integrations

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MMDadoda

4/18/2019 11:40:07 AM



#26

2,2-Dichloropropane

Concen: 20.978 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010013.D

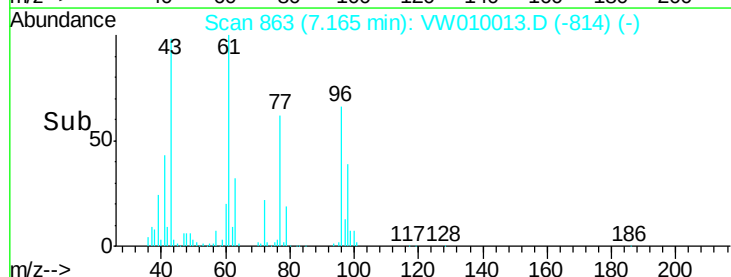
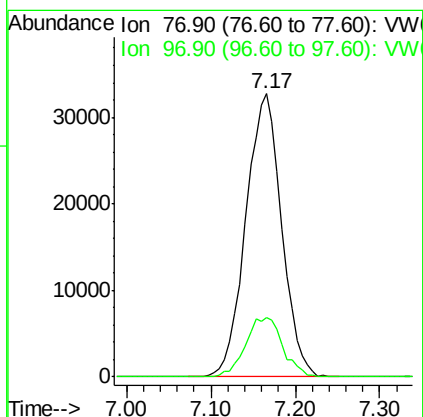
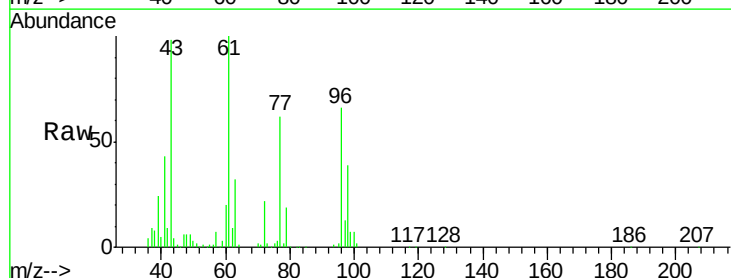
Acq: 17 Apr 2019 11:49

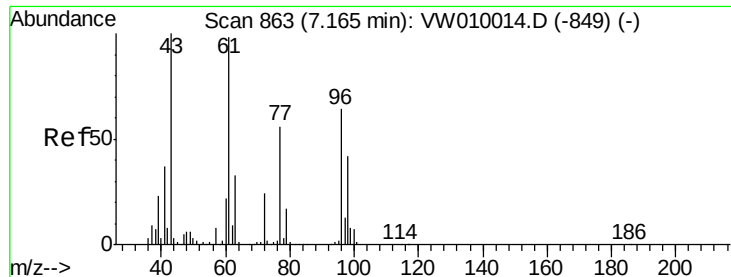
Tgt Ion: 77 Resp: 94680

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.9





#27

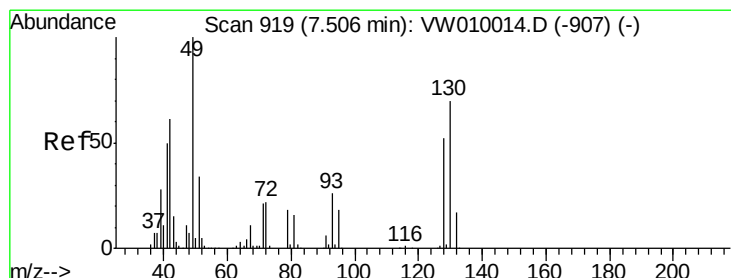
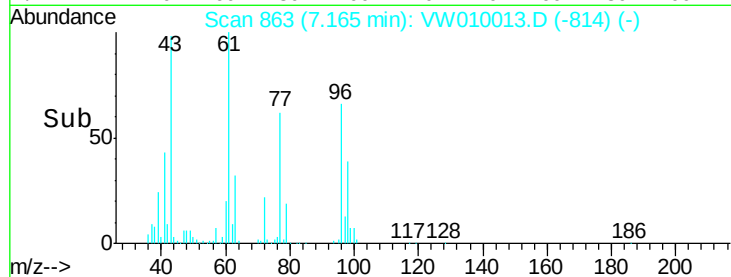
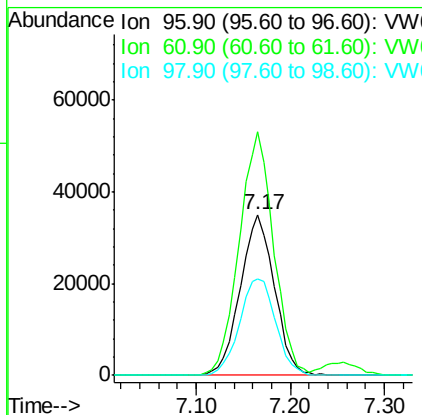
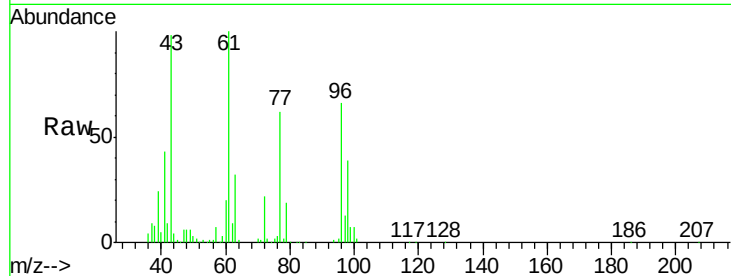
cis-1,2-Dichloroethene
Concen: 19.716 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	309.4
98	63.8	0.0	128.6

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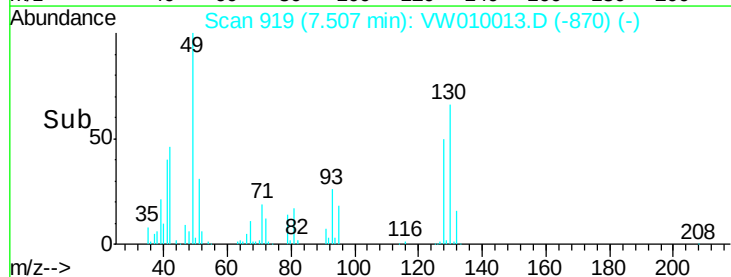
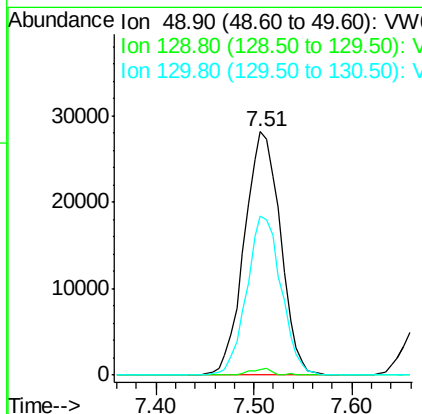
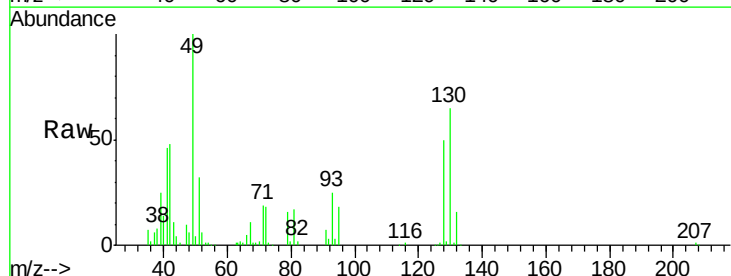
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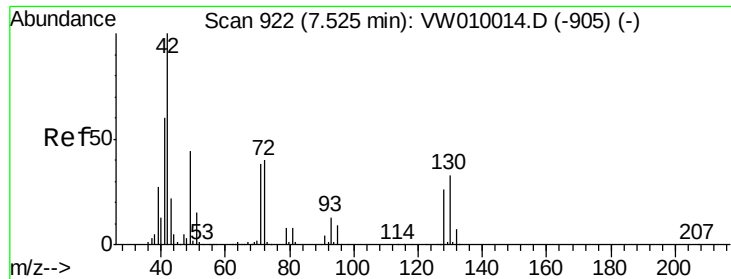


#28

Bromochloromethane
Concen: 21.618 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	62.4	54.6	82.0





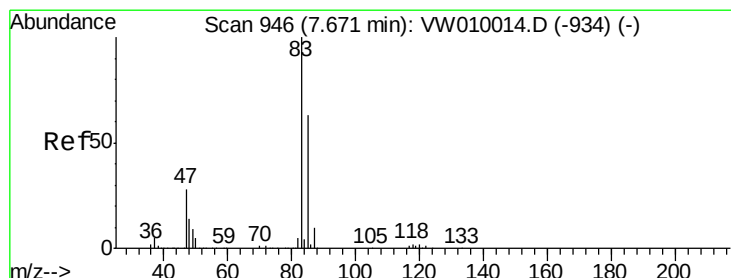
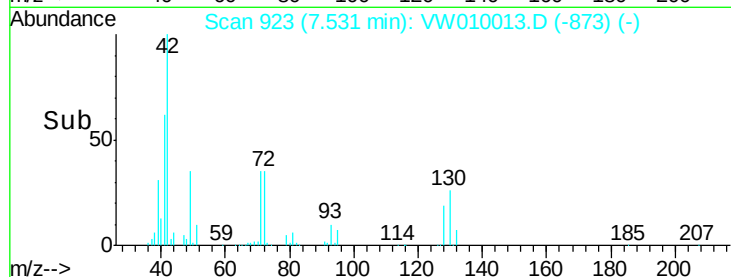
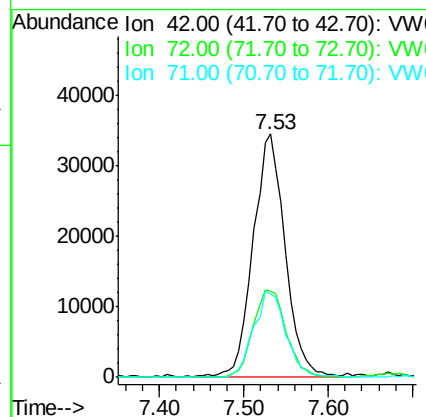
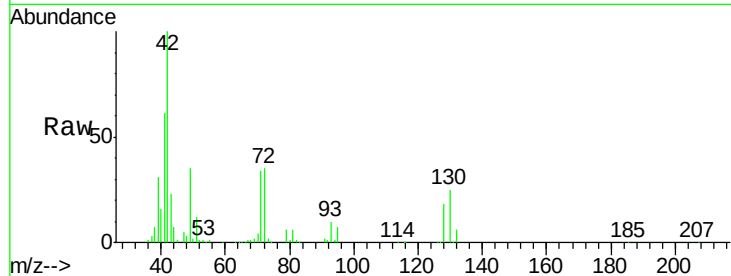
#29
Tetrahydrofuran
Concen: 97.547 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	31.0	46.6
71	36.2	29.7	44.5

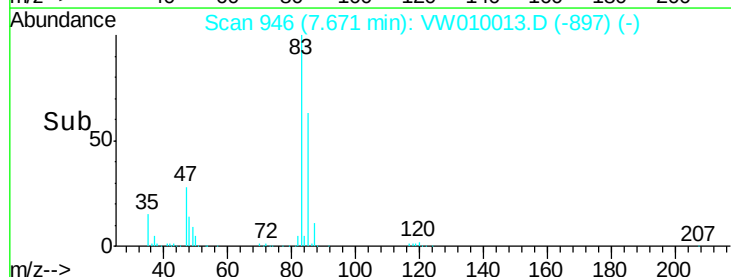
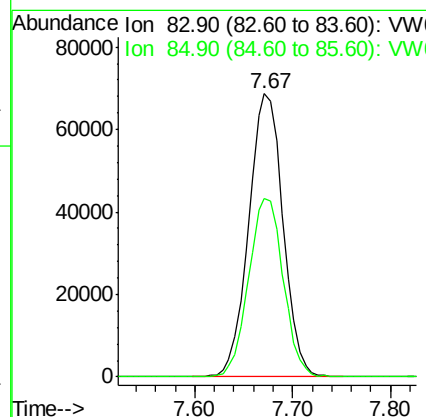
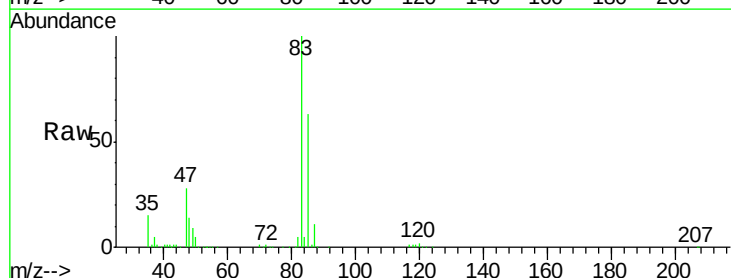
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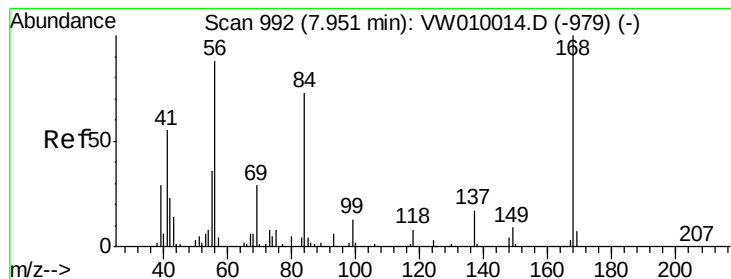
MMDadoda
4/18/2019 11:40:07 AM



#30
Chloroform
Concen: 20.519 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.7	76.1





#31

Cyclohexane

Concen: 19.898 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010013.D

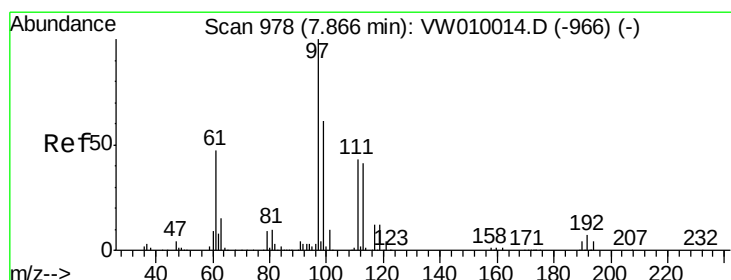
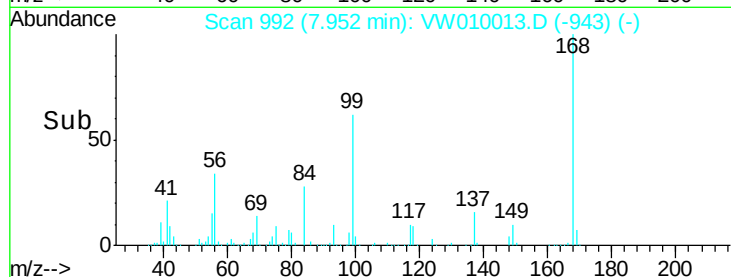
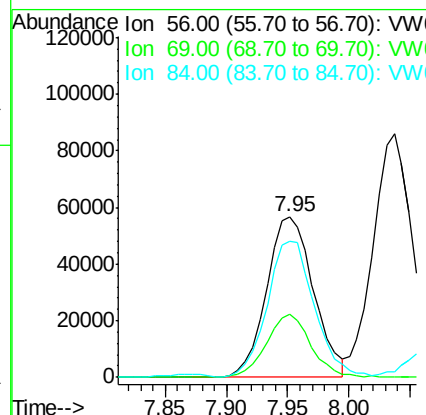
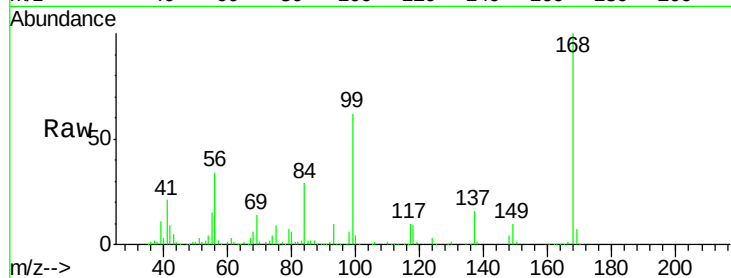
Acq: 17 Apr 2019 11:49

Tot Ion	56	Resp	151996
Ion Ratio	Lower	Upper	
56	100		
69	39.5	26.6	40.0
84	82.8	66.2	99.2

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.737 ug/l

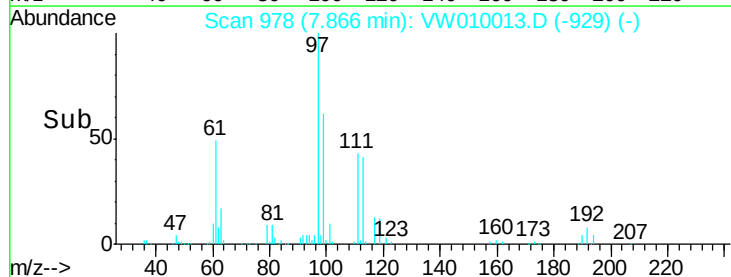
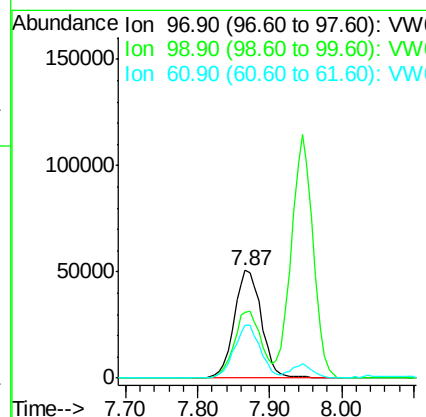
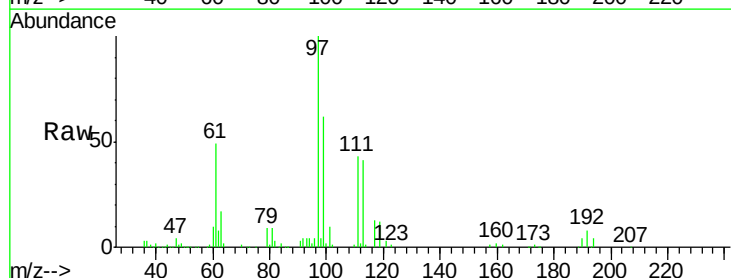
RT: 7.87 min Scan# 978

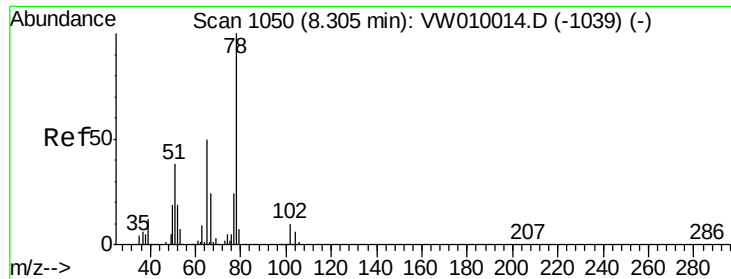
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion	97	Resp	133070
Ion Ratio	Lower	Upper	
97	100		
99	61.3	50.2	75.2
61	47.7	38.2	57.2





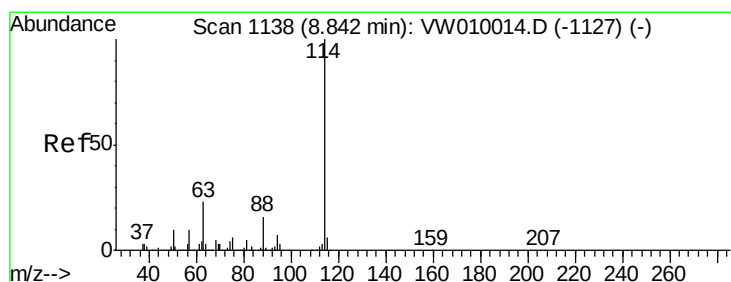
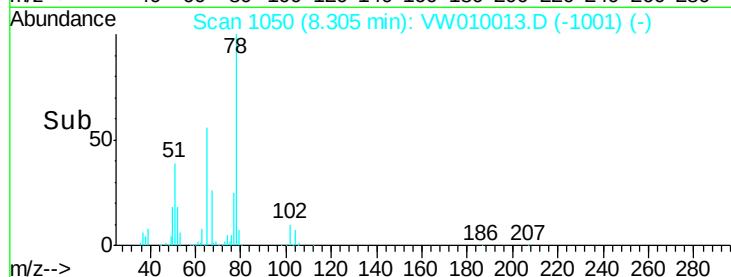
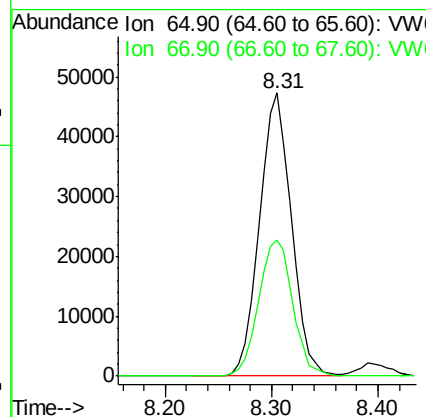
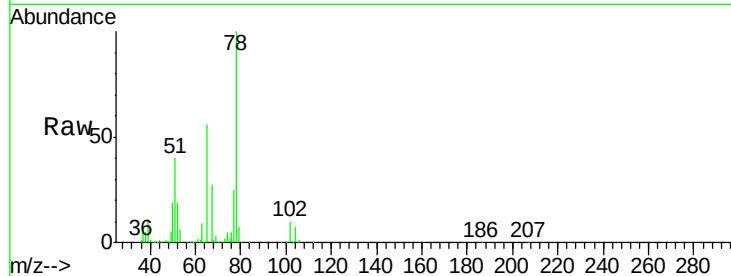
#33
 1,2-Dichloroethane-d4
 Concen: 21.088 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99611		
67	51.4	0.0	100.8	

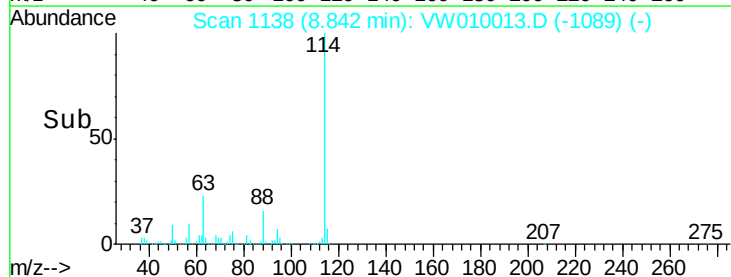
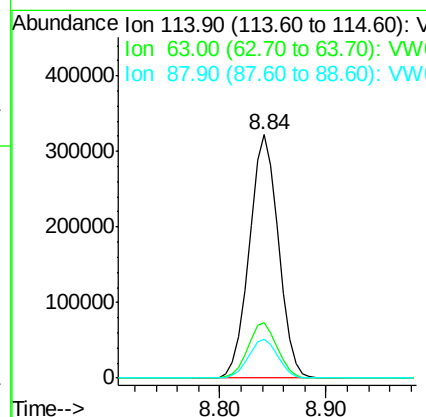
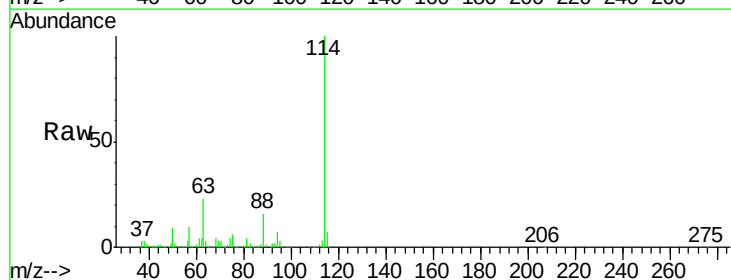
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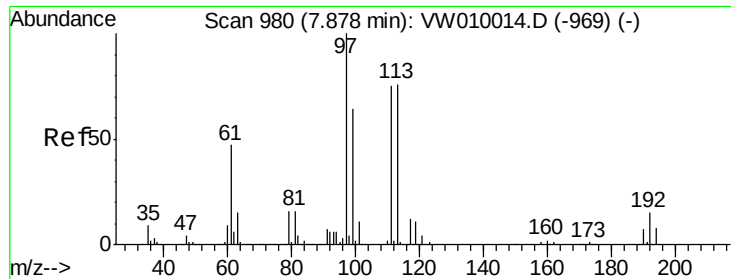
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	618943		
63	22.8	0.0	46.2	
88	16.2	0.0	32.6	





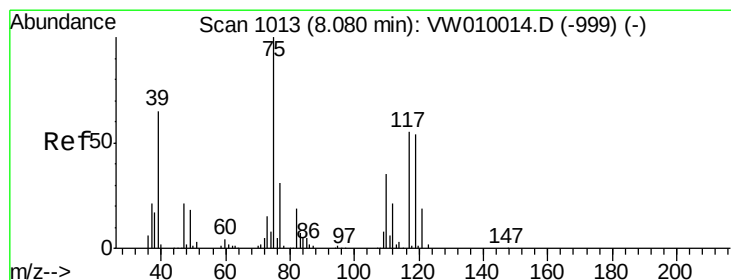
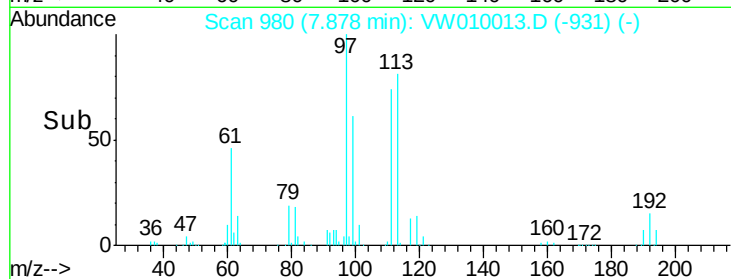
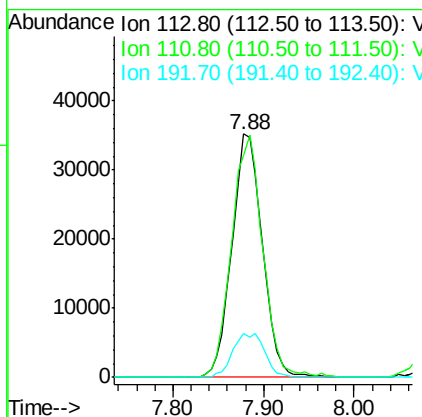
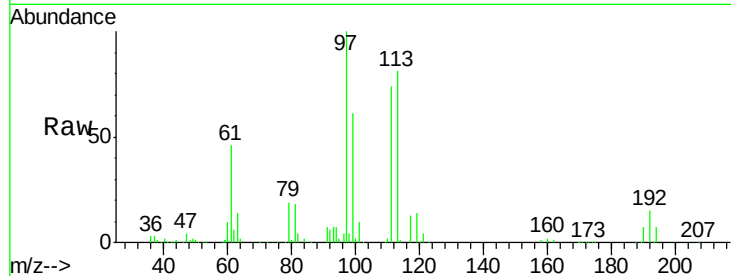
#35
 Dibromofluoromethane
 Concen: 20.891 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82208		
111	102.1	82.6	123.8	
192	19.1	15.4	23.2	

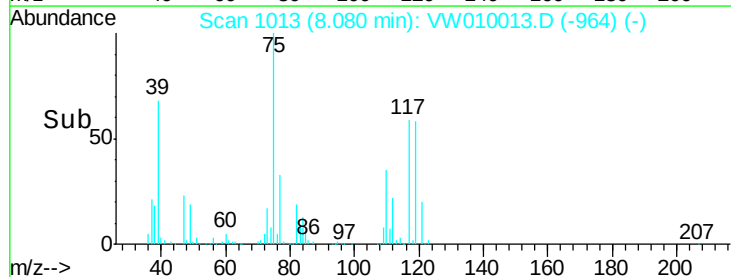
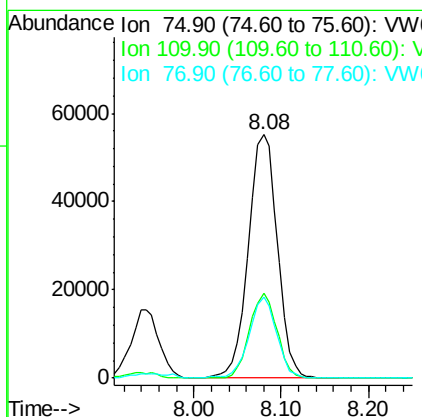
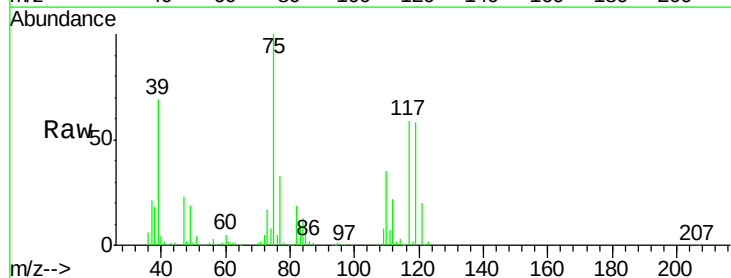
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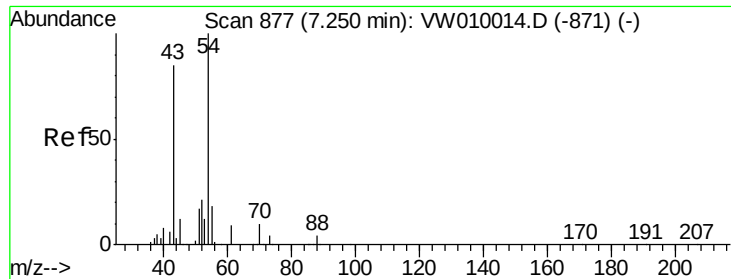
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#36
 1,1-Dichloropropene
 Concen: 20.136 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127309		
110	32.9	16.6	49.8	
77	31.7	24.8	37.2	





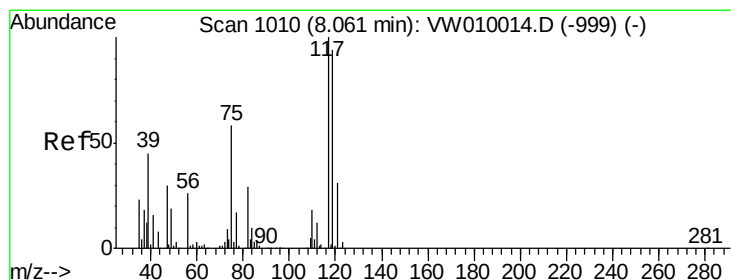
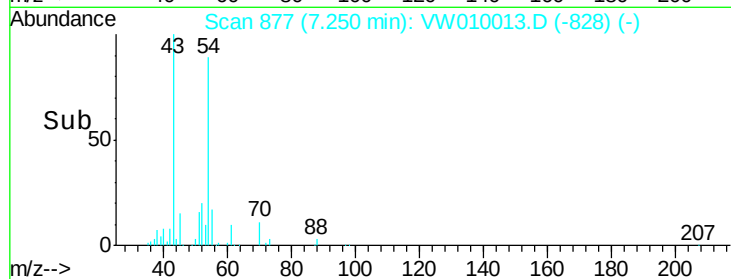
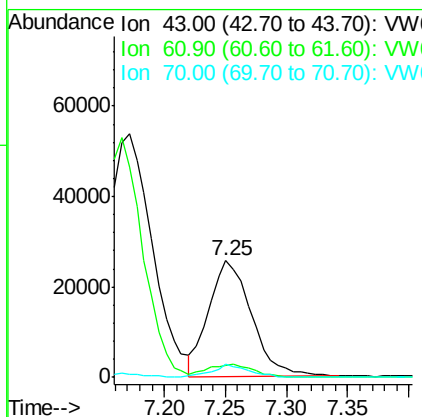
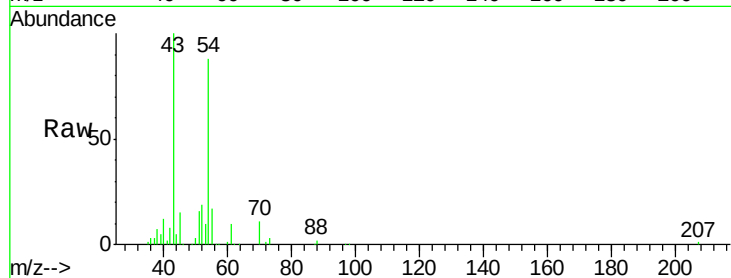
#37
Ethyl Acetate
Concen: 19.248 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.8	14.8
70	9.8	7.4	11.0

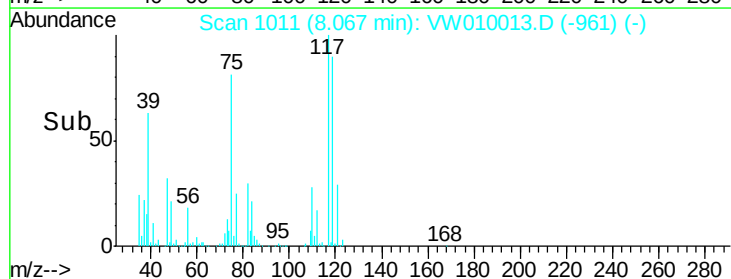
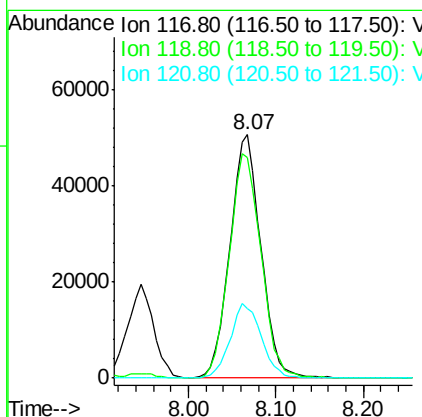
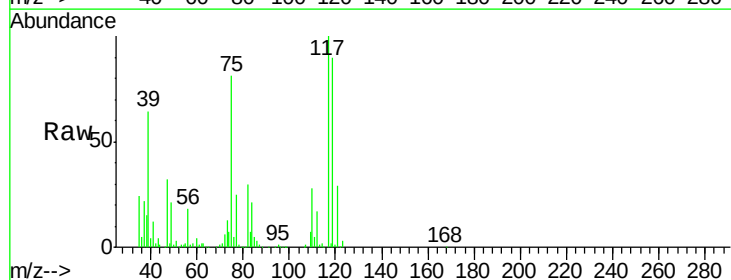
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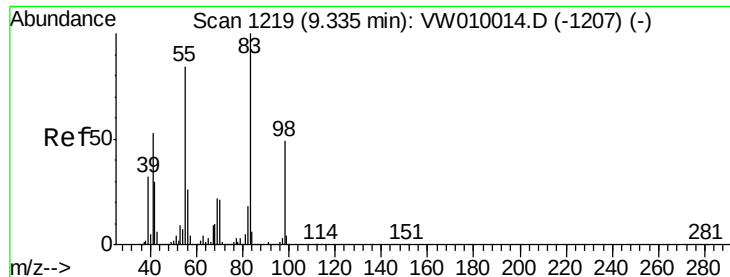
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#38
Carbon Tetrachloride
Concen: 20.187 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.3	112.9
121	28.8	24.4	36.6





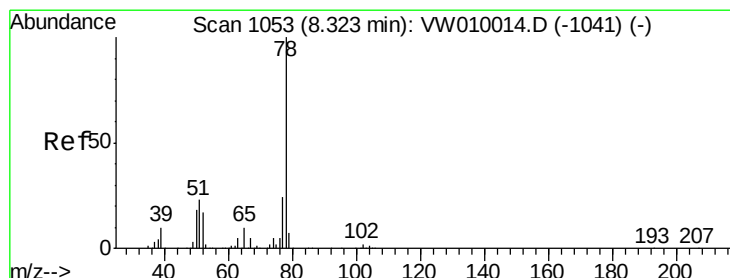
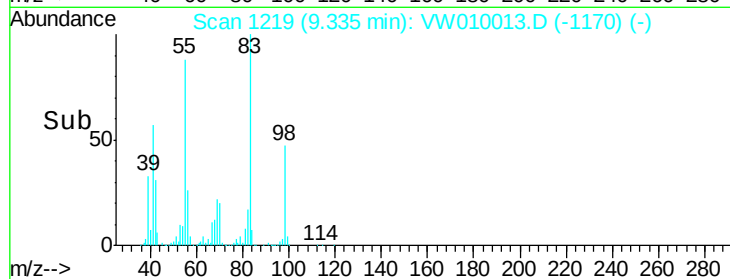
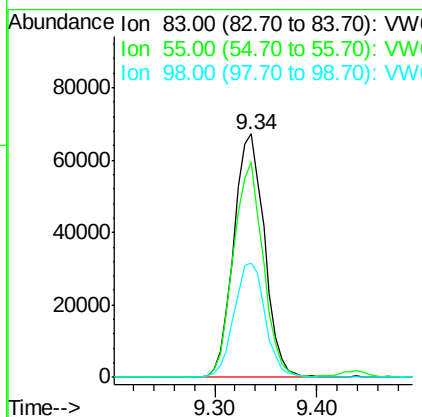
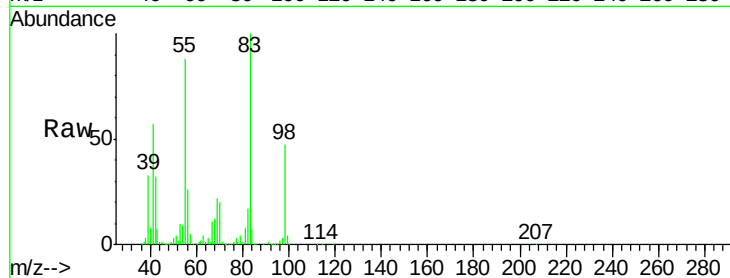
#39
Methylvlcyclohexane
Concen: 19.727 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	67.1	100.7
98	46.9	39.2	58.8

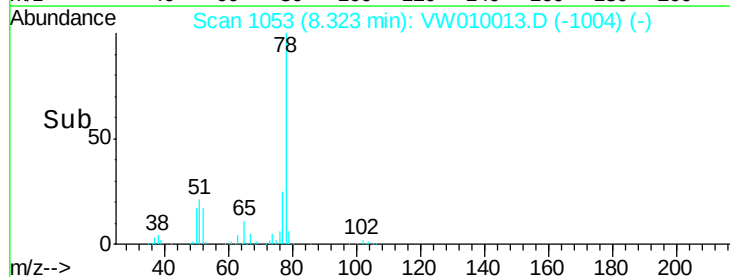
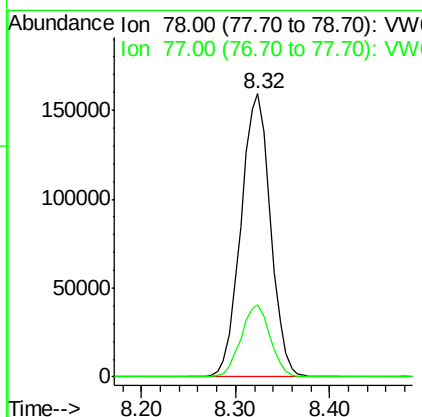
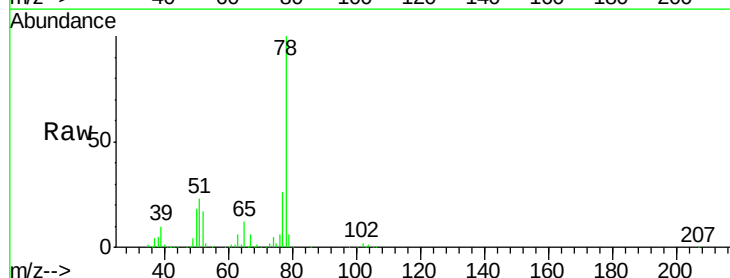
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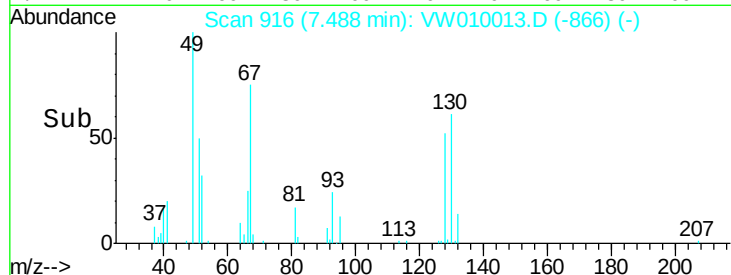
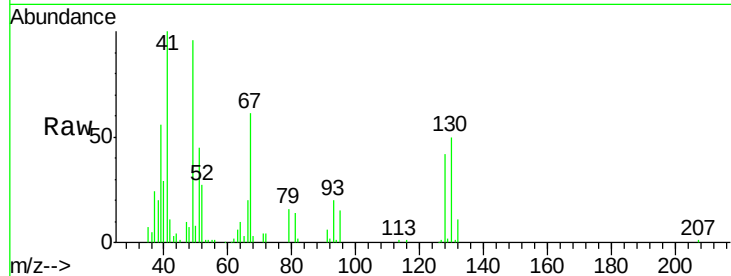
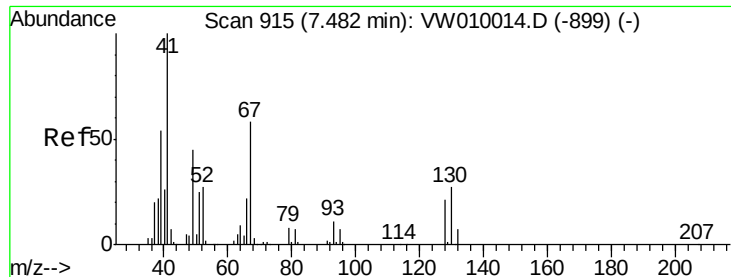
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#40
Benzene
Concen: 20.221 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.1	28.7





#41

Methacrylonitrile

Concen: 19.441 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tot Ion	41	Resp	35597
Ion Ratio	Lower	Upper	
41	100		
39	57.5	45.0	67.4
67	63.2	50.7	76.1
52	30.5	22.6	33.8

Instrument :

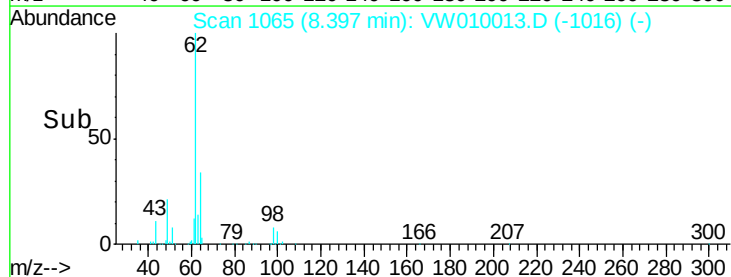
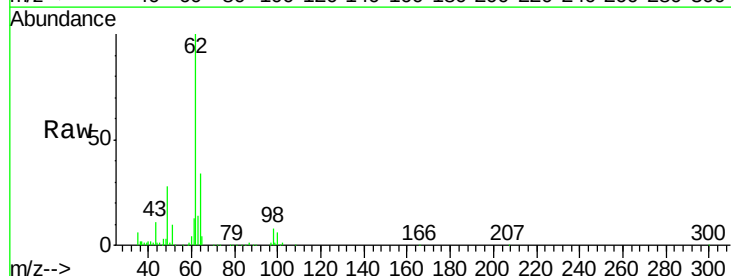
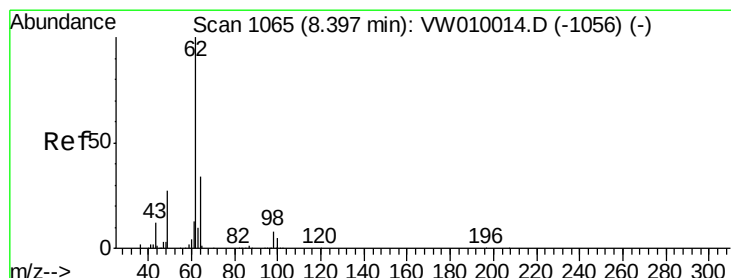
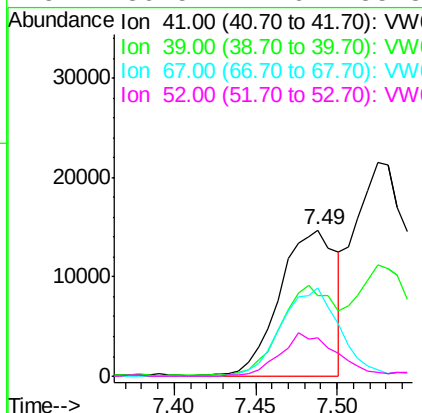
MSVOA_W

ClientSampleId :

VSTDIC020

Manual Integrations
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MMDadoda
4/18/2019 11:40:07 AM



#42

1,2-Dichloroethane

Concen: 19.941 ug/l

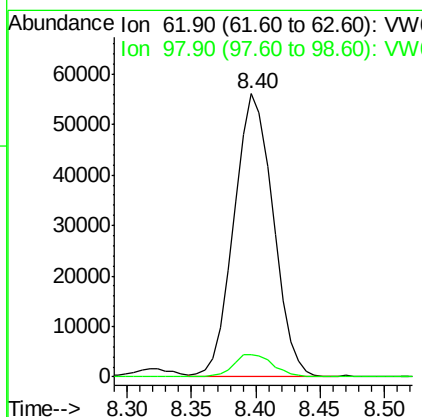
RT: 8.40 min Scan# 1065

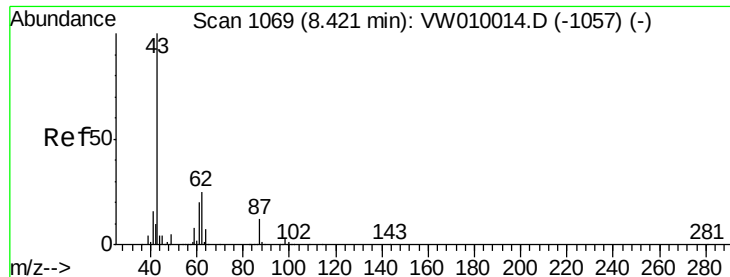
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion	62	Resp	118470
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.348 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

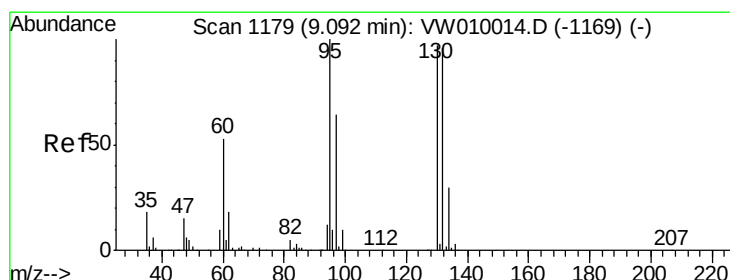
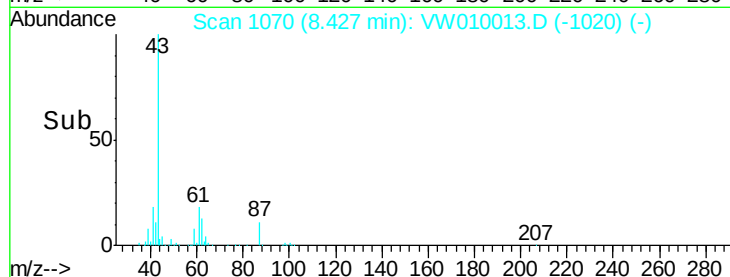
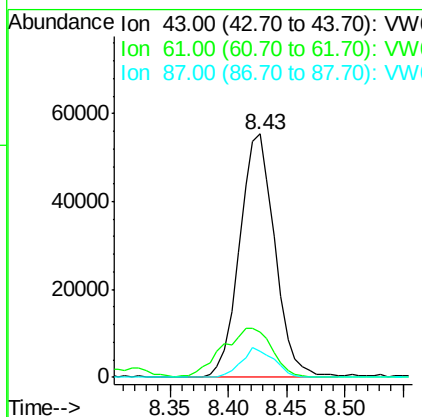
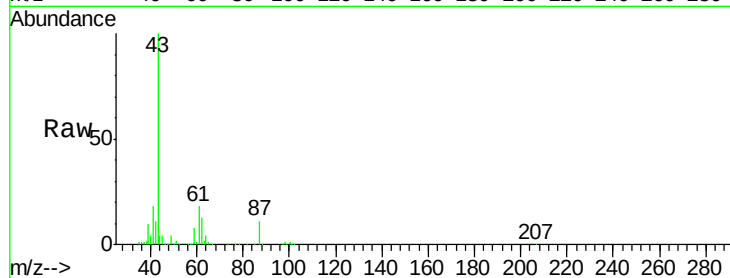
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	116480
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.6
87	11.5	9.3	13.9

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#44

Trichloroethene

Concen: 20.375 ug/l

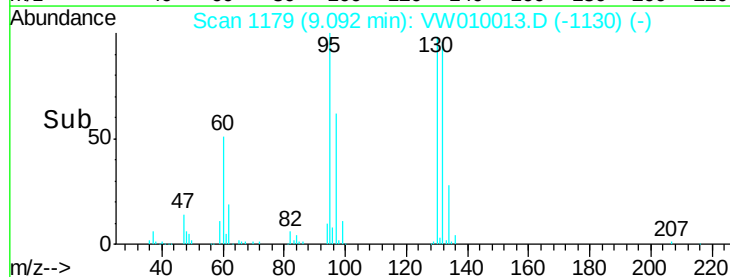
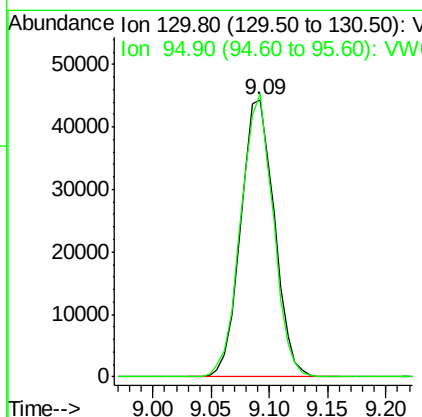
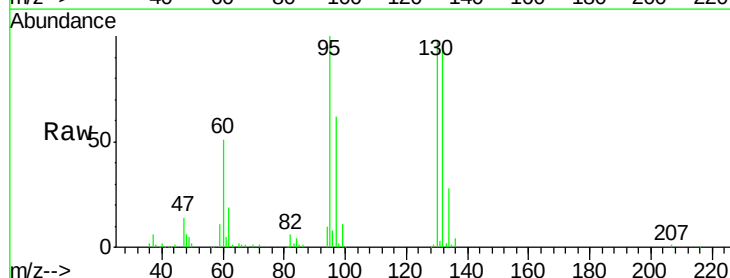
RT: 9.09 min Scan# 1179

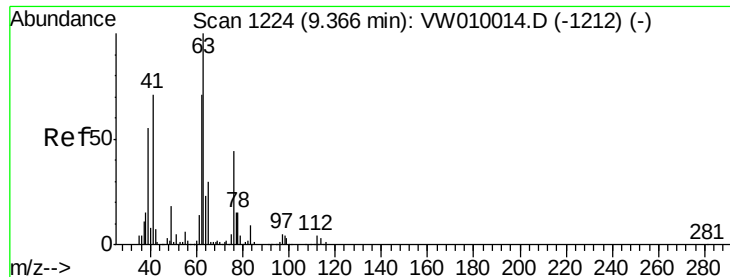
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	130	Resp:	89459
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.4





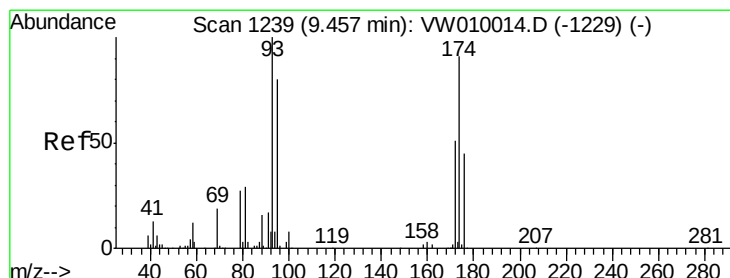
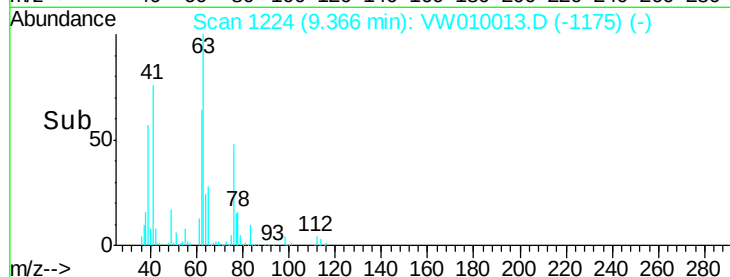
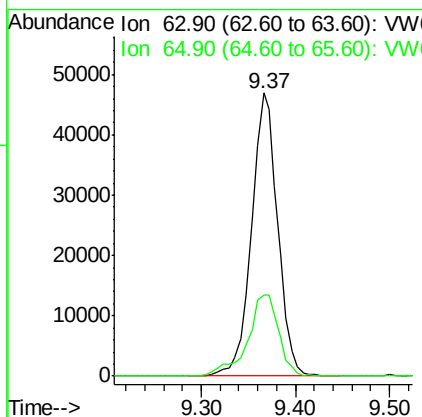
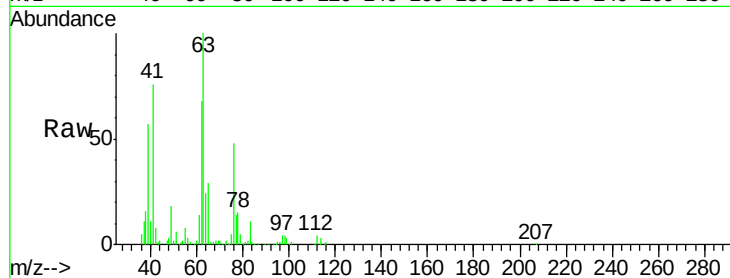
#45
 1,2-Dichloropropane
 Concen: 20.152 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	23.8	35.6

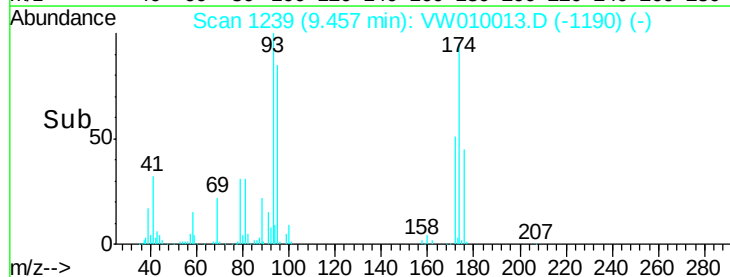
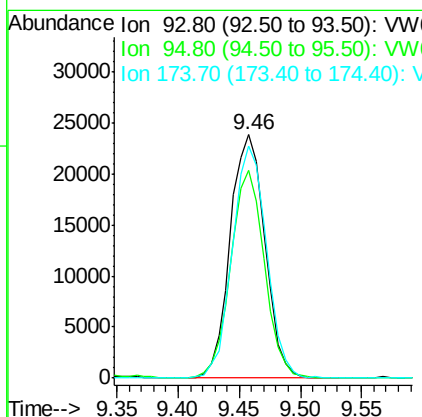
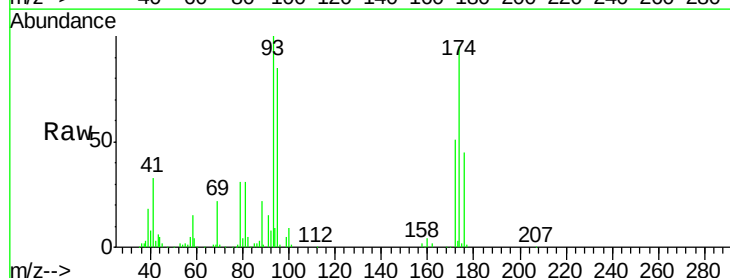
Manual Integrations
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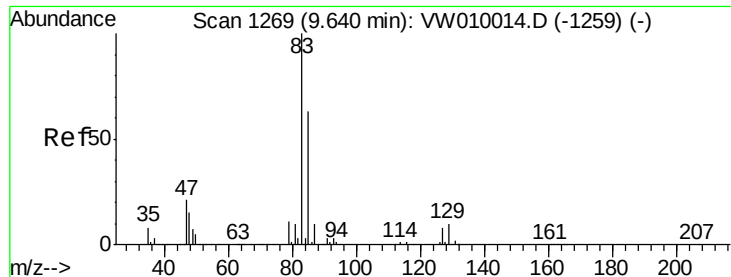
MMDadoda
 4/18/2019 11:40:07 AM



#46
 Dibromomethane
 Concen: 19.885 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.8
174	94.1	75.5	113.3





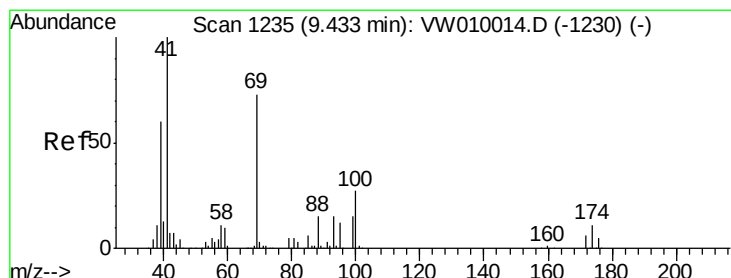
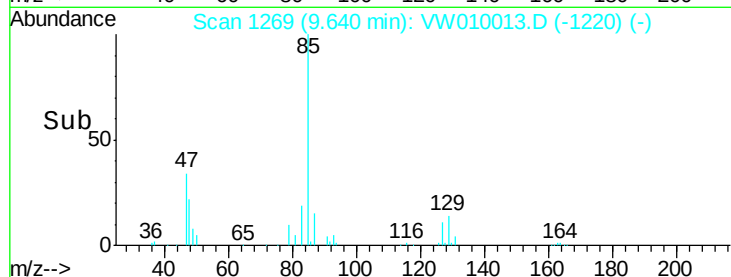
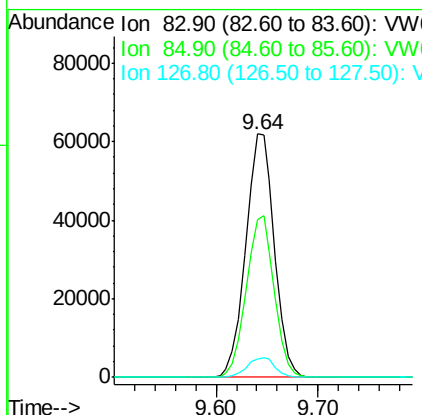
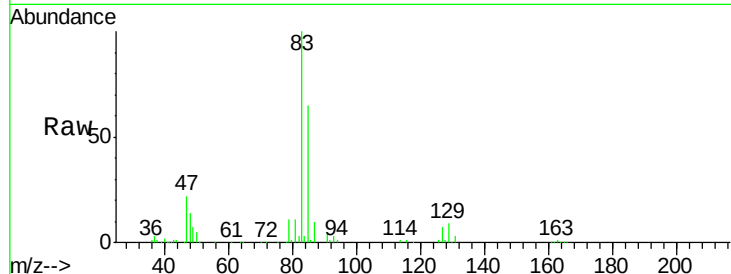
#47
Bromodichloromethane
Concen: 19.892 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120931		
85	64.7	50.6	75.8	
127	7.3	6.6	10.0	

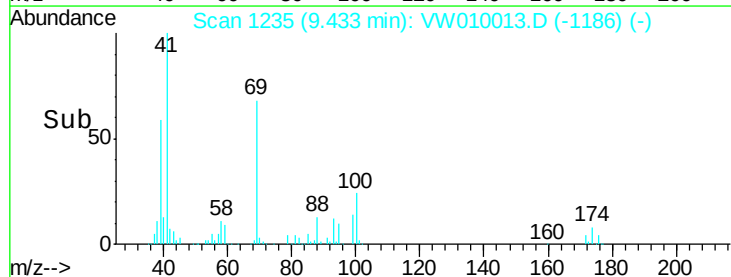
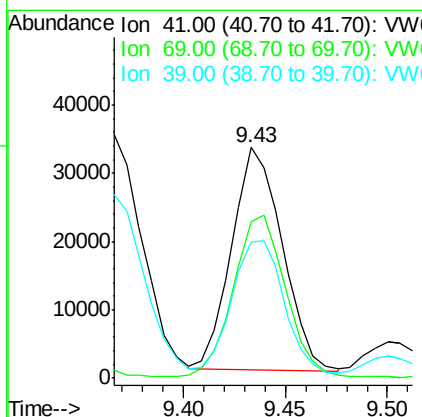
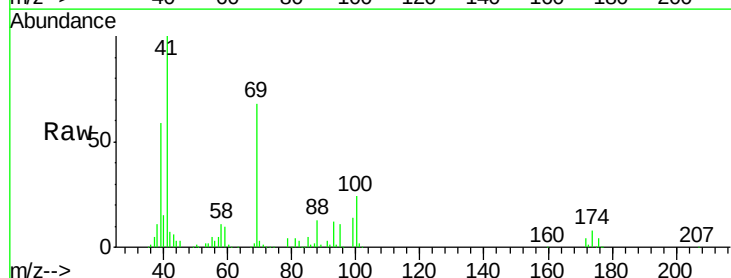
Manual Integrations
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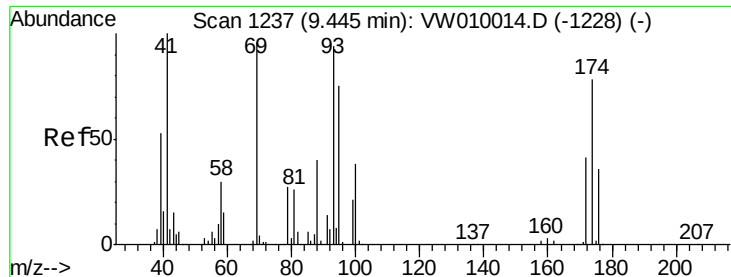
MMDadoda
4/18/2019 11:40:07 AM



#48
Methyl methacrylate
Concen: 19.102 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	55979		
69	77.4	60.1	90.1	
39	65.4	51.0	76.6	





#49

1,4-Dioxane

Concen: 404.746 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

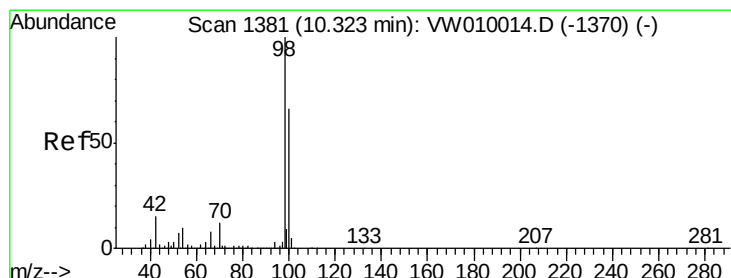
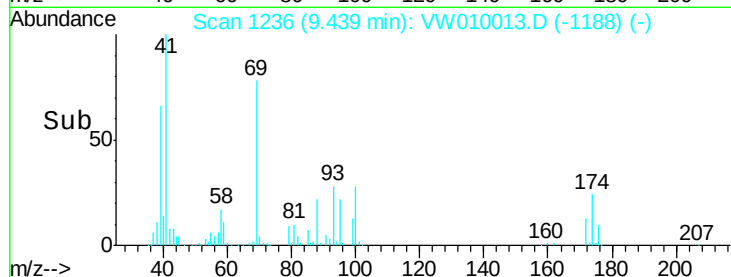
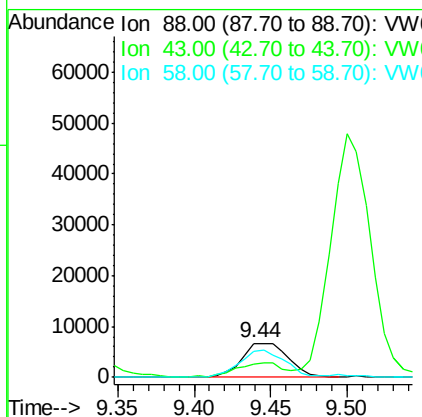
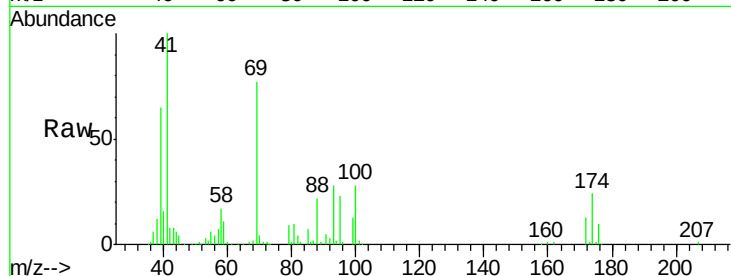
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	14565
Ion	Ratio	Lower	Upper
88	100		
43	38.9	31.9	47.9
58	77.5	61.8	92.6

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#50

Toluene-d8

Concen: 21.200 ug/l

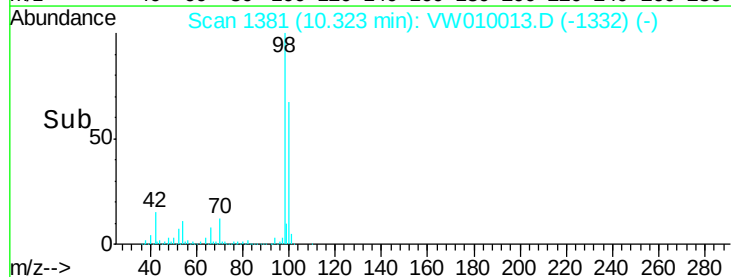
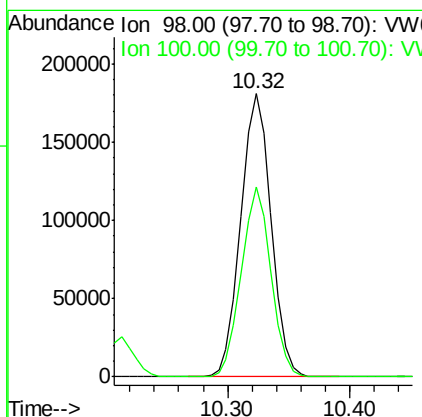
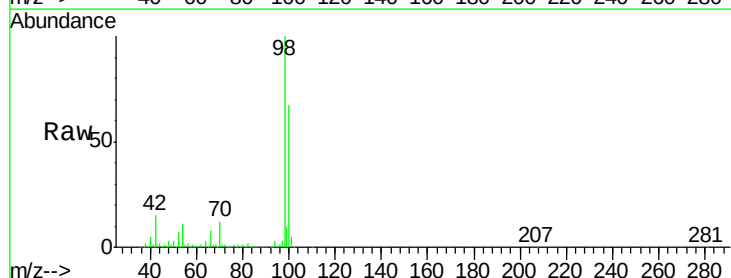
RT: 10.32 min Scan# 1381

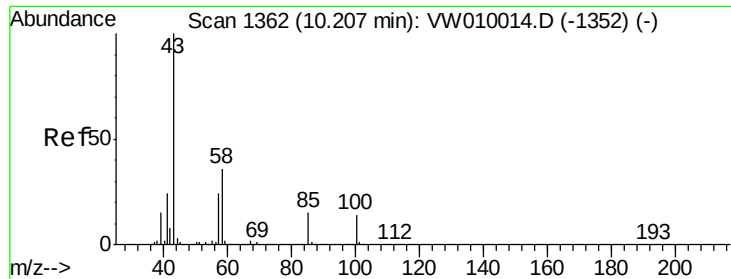
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	98	Resp:	312594
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 97.874 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 308609

Ion Ratio Lower Upper

43 100

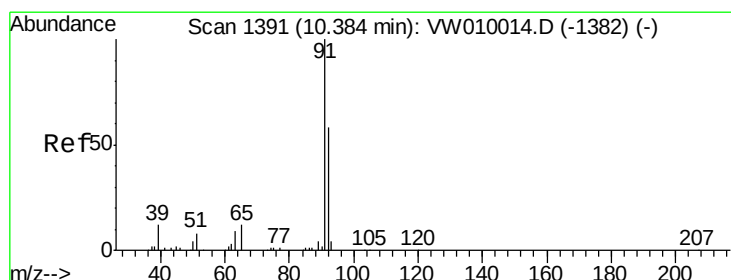
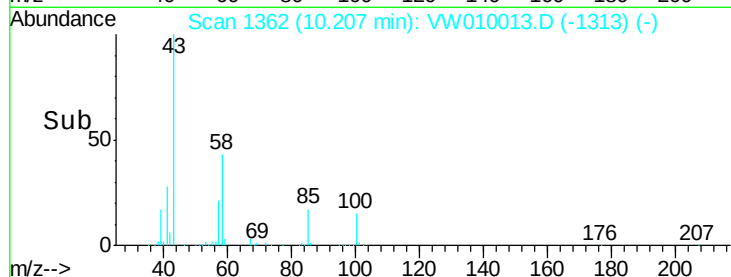
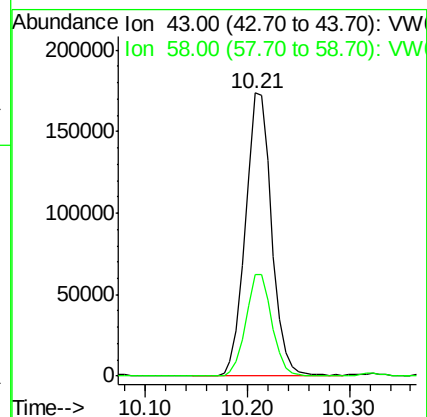
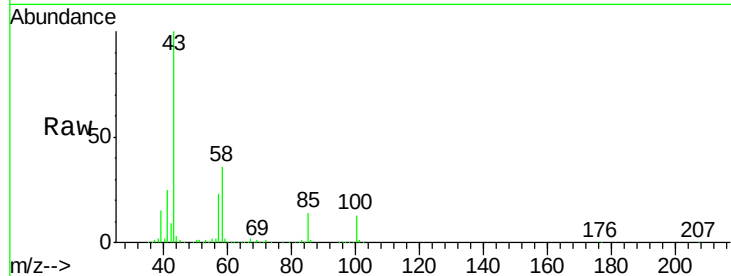
58 35.7 28.9 43.3

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#52

Toluene

Concen: 20.388 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010013.D

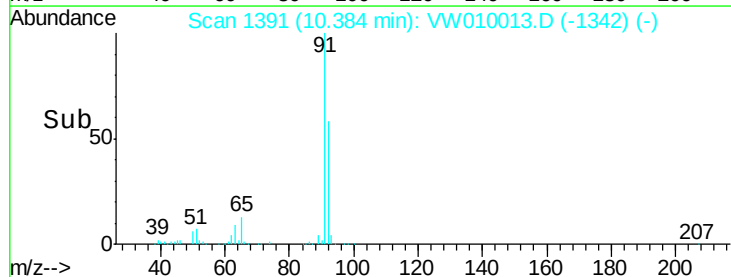
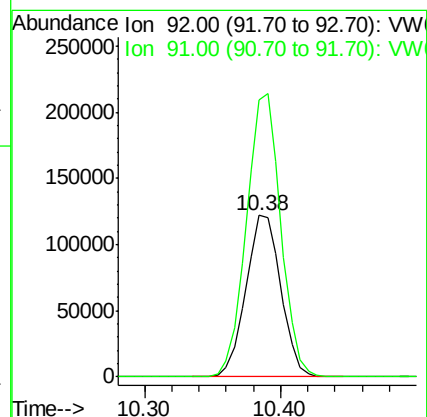
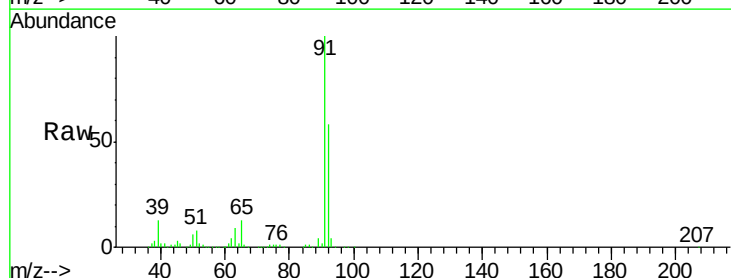
Acq: 17 Apr 2019 11:49

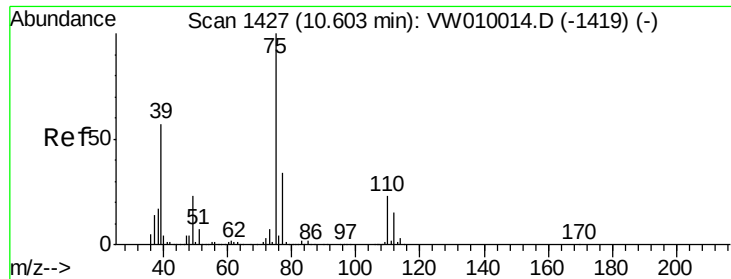
Tgt Ion: 92 Resp: 219543

Ion Ratio Lower Upper

92 100

91 171.9 138.5 207.7





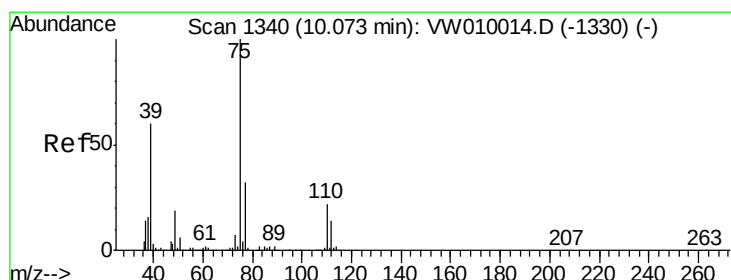
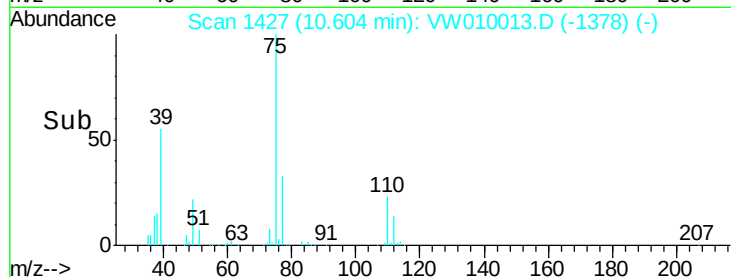
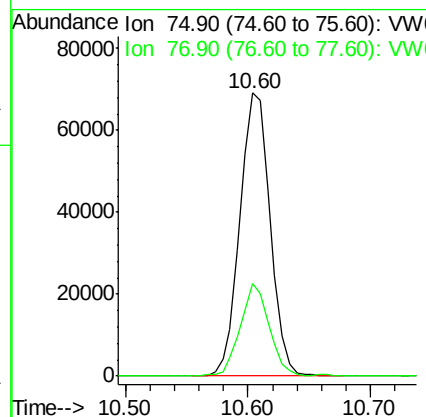
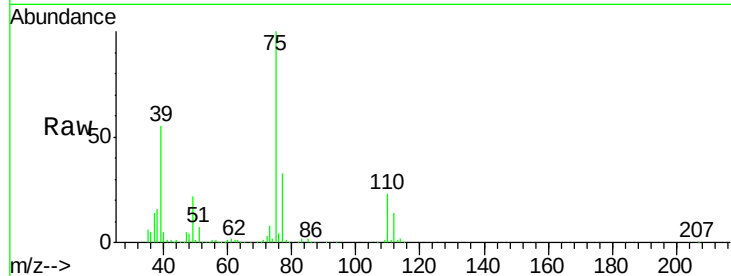
#53
 t-1,3-Dichloropropene
 Concen: 19.580 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 118020
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.9 40.3

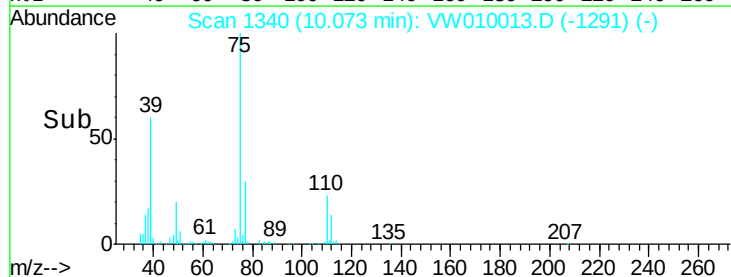
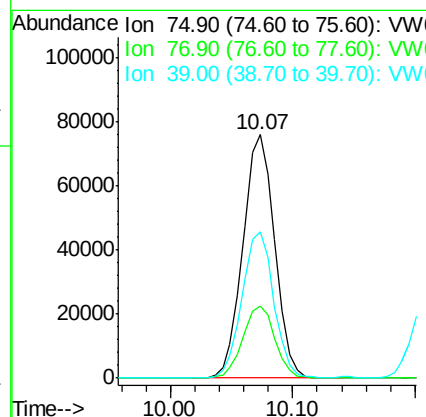
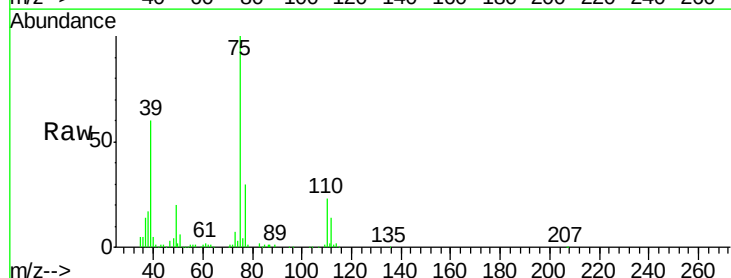
Manual Integrations
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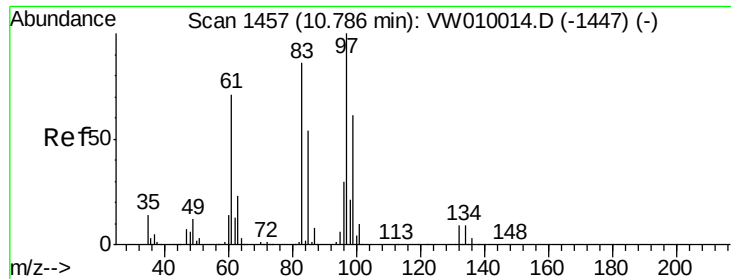
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#54
 cis-1,3-Dichloropropene
 Concen: 19.833 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion: 75 Resp: 136504
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.6 38.4
 39 59.7 47.8 71.6





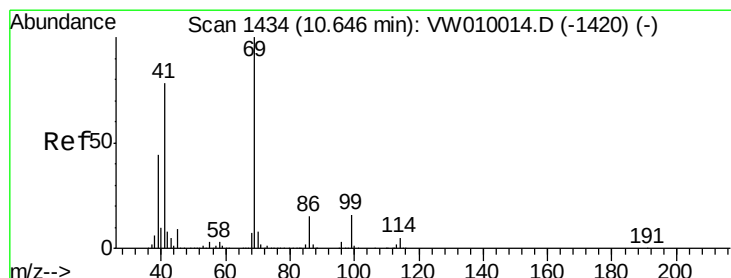
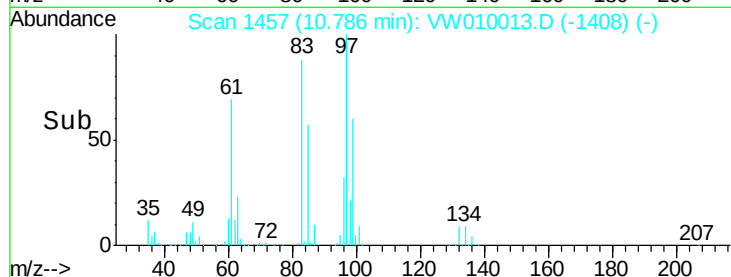
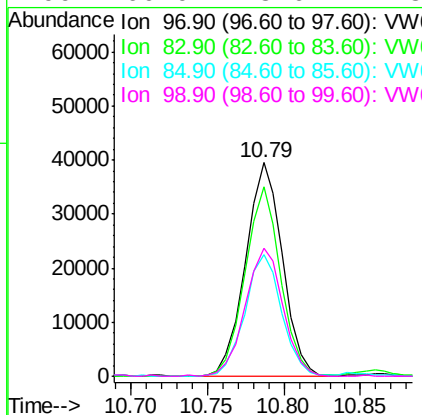
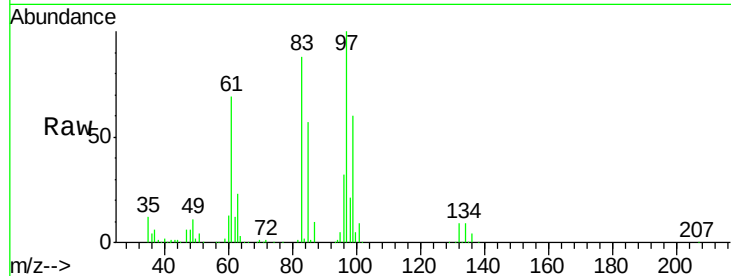
#55
 1,1,2-Trichloroethane
 Concen: 20.141 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	66206
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.9	103.3
85	57.0	42.9	64.3
99	60.0	48.6	72.8

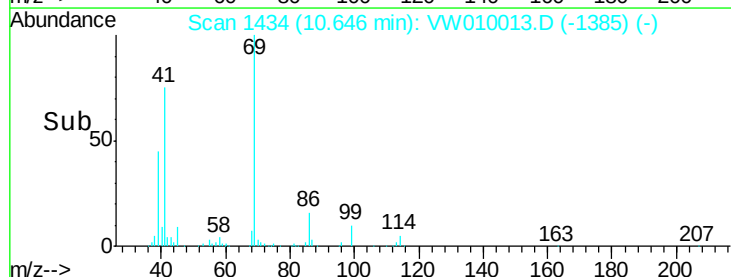
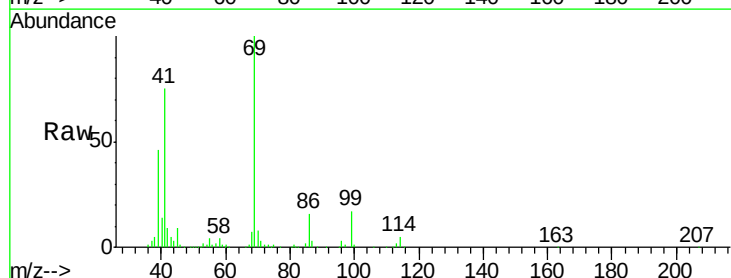
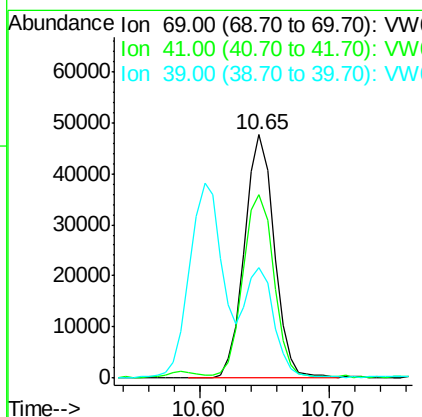
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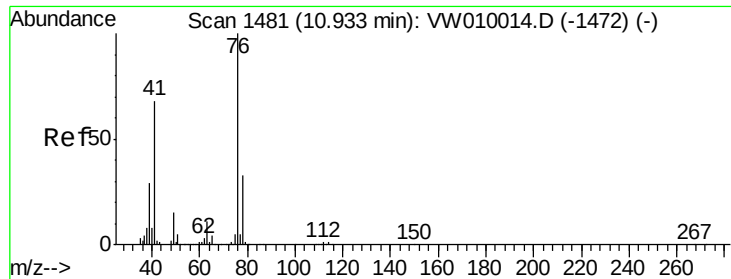
MMDadoda
 4/18/2019 11:40:07 AM



#56
 Ethyl methacrylate
 Concen: 18.513 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion:	69	Resp:	75652
Ion	Ratio	Lower	Upper
69	100		
41	77.7	61.0	91.6
39	44.1	33.8	50.6





#57

1,3-Dichloropropane

Concen: 19.806 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 116692

Ion Ratio Lower Upper

76 100

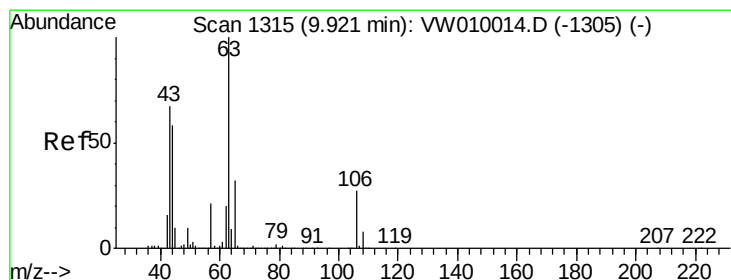
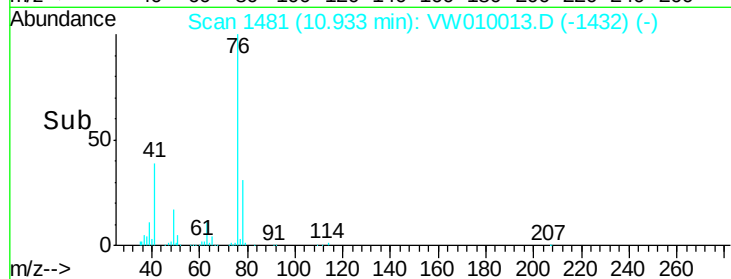
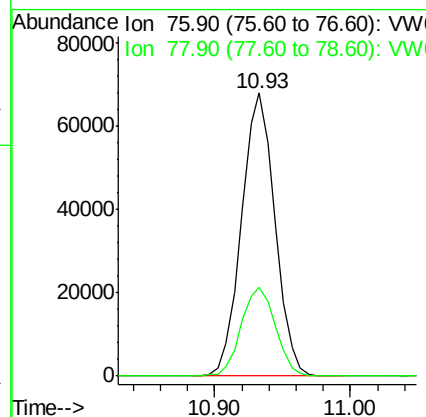
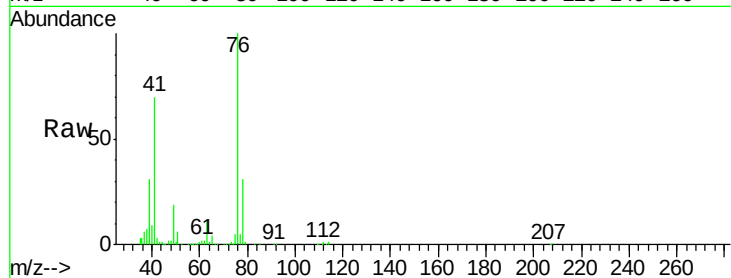
78 32.3 25.8 38.8

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 91.229 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010013.D

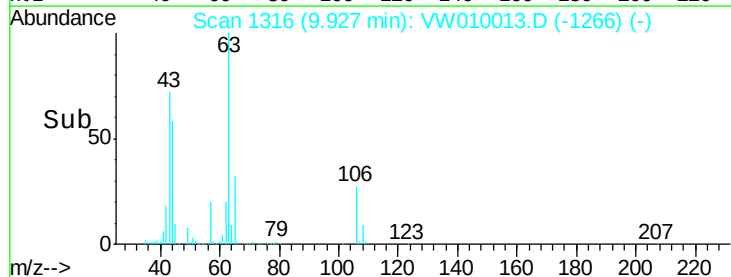
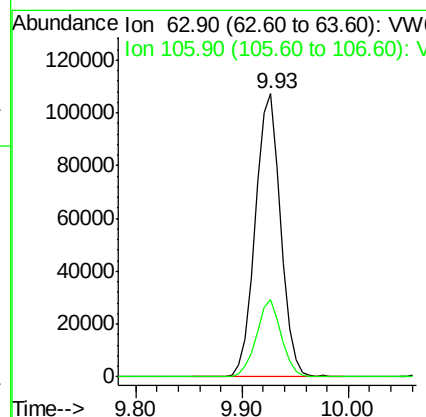
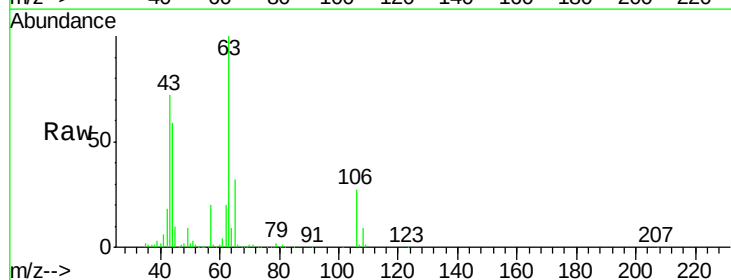
Acq: 17 Apr 2019 11:49

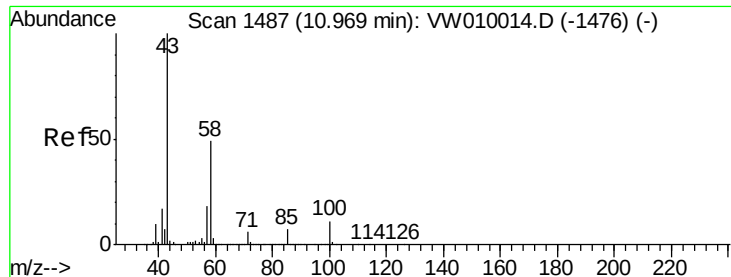
Tgt Ion: 63 Resp: 179189

Ion Ratio Lower Upper

63 100

106 26.8 21.4 32.0





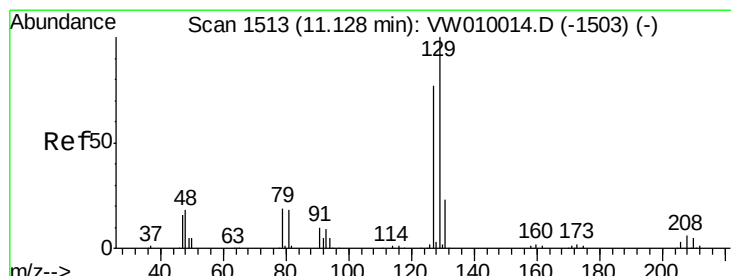
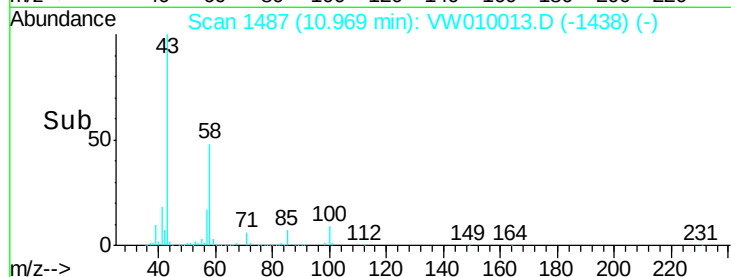
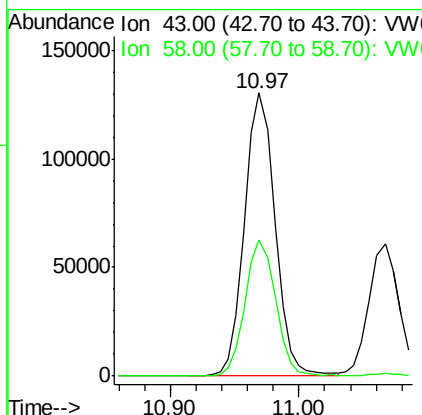
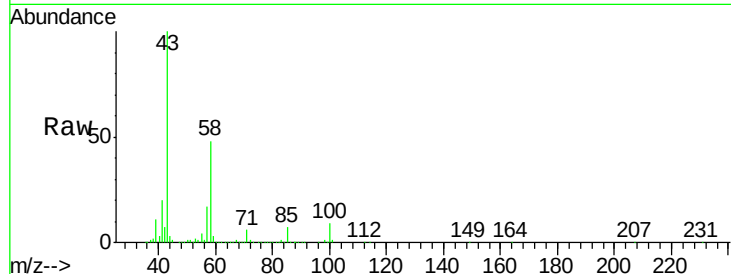
#59
2-Hexanone
Concen: 97.246 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 213448
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.7

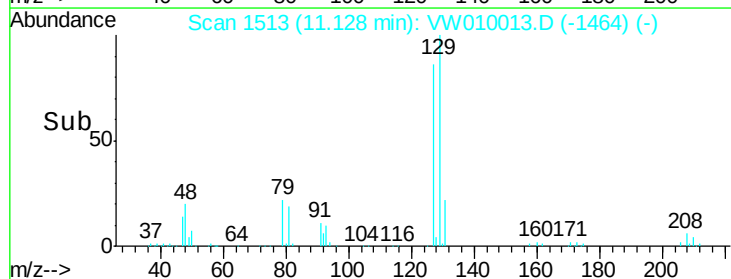
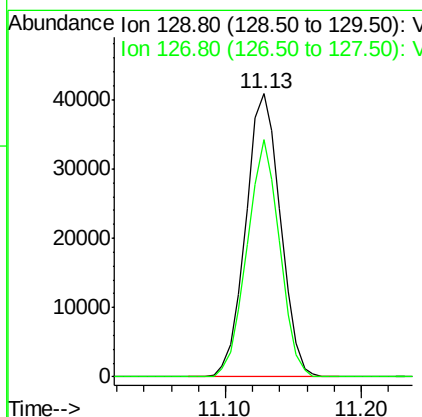
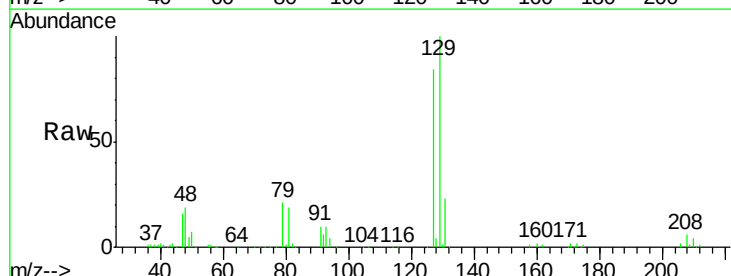
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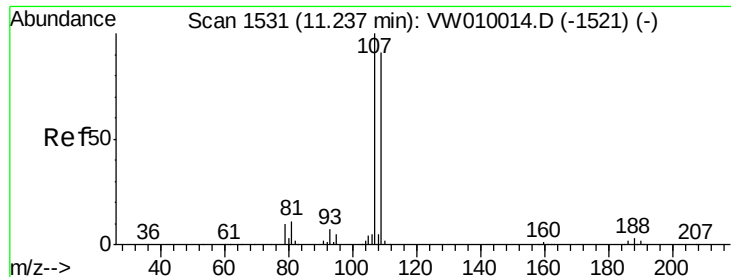
MMDadoda
4/18/2019 11:40:07 AM



#60
Dibromochloromethane
Concen: 19.214 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 129 Resp: 73000
Ion Ratio Lower Upper
129 100
127 78.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.010 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 62569

Ion Ratio Lower Upper

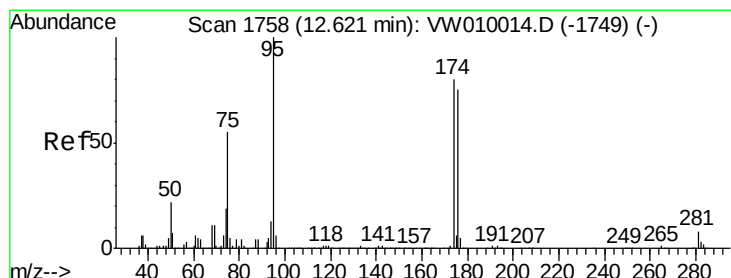
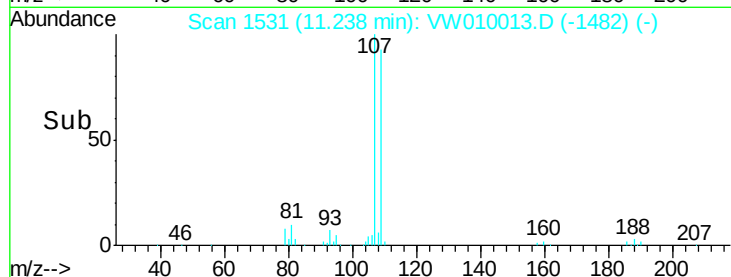
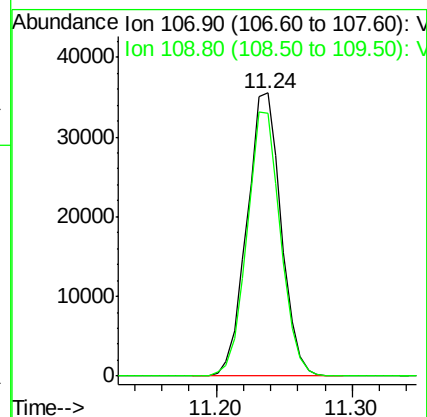
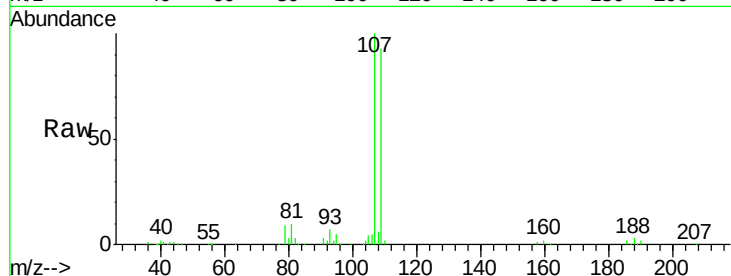
107 100

109 91.4 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 20.890 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

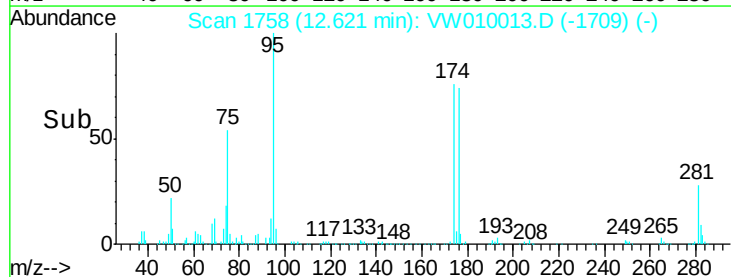
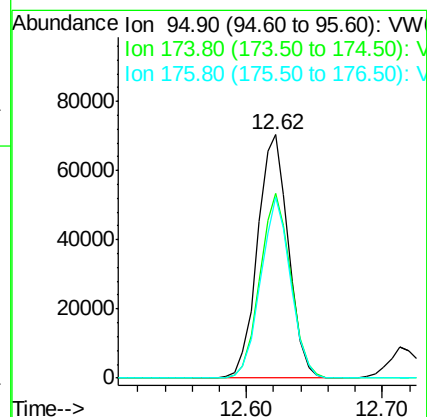
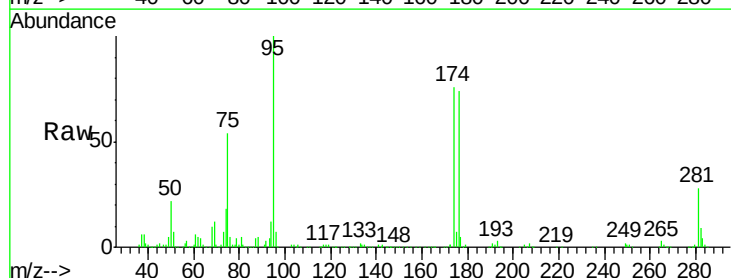
Tgt Ion: 95 Resp: 111968

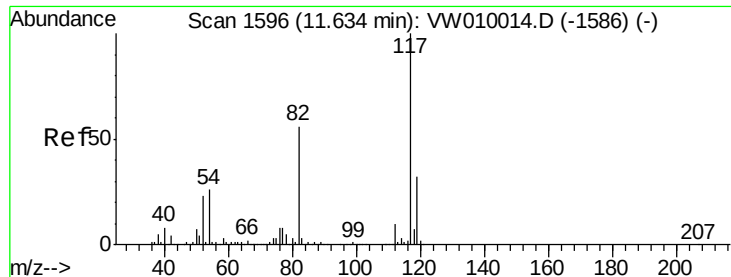
Ion Ratio Lower Upper

95 100

174 75.5 0.0 151.4

176 72.3 0.0 146.2





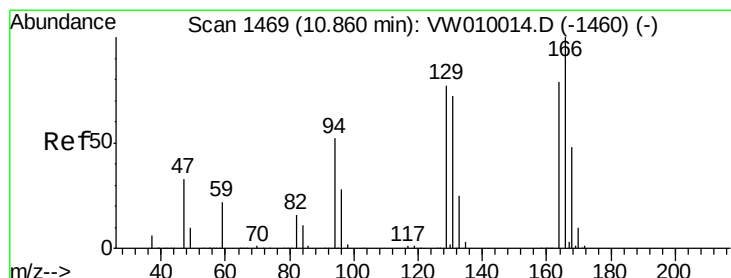
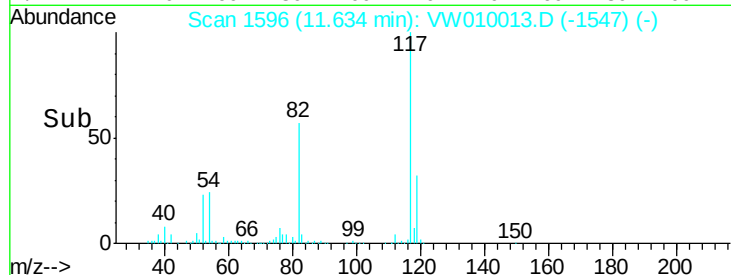
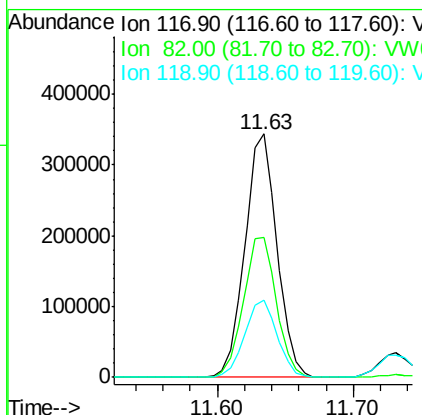
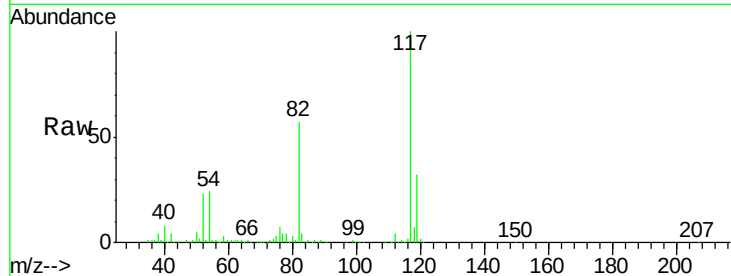
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	567440		
82	57.2		45.2	67.8
119	31.8		25.4	38.2

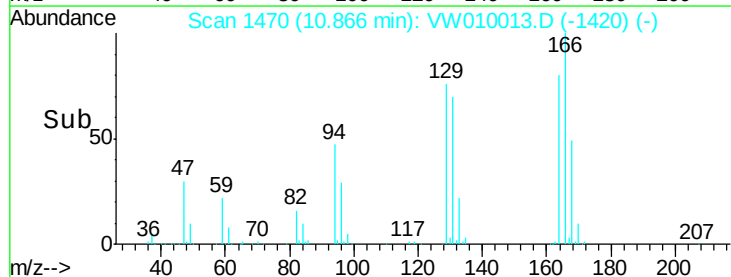
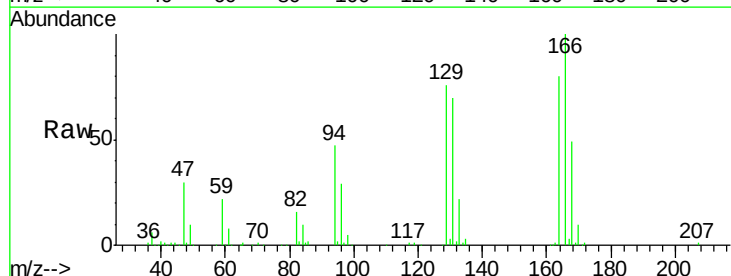
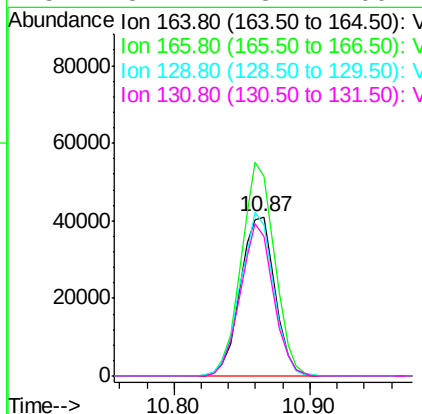
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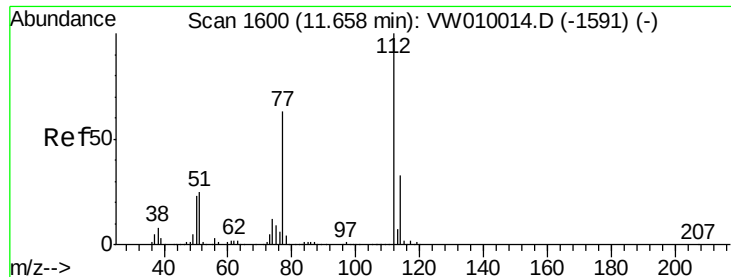
MMDadoda
4/18/2019 11:40:07 AM



#64
Tetrachloroethene
Concen: 19.729 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72673		
166	125.5		101.2	151.8
129	94.8		77.8	116.6
131	87.4		73.1	109.7





#65

Chlorobenzene

Concen: 20.655 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 239889

Ion Ratio Lower Upper

112 100

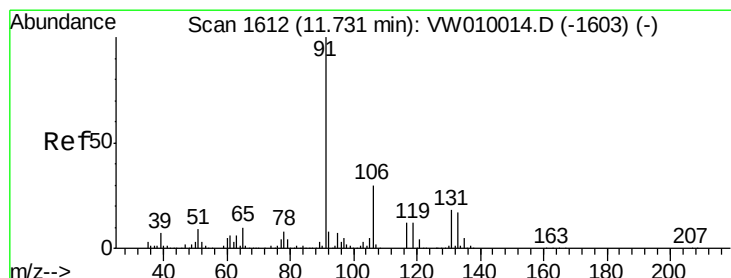
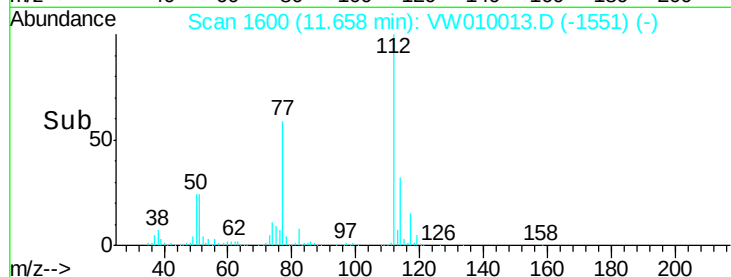
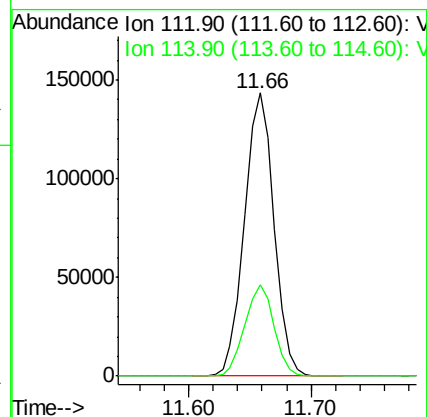
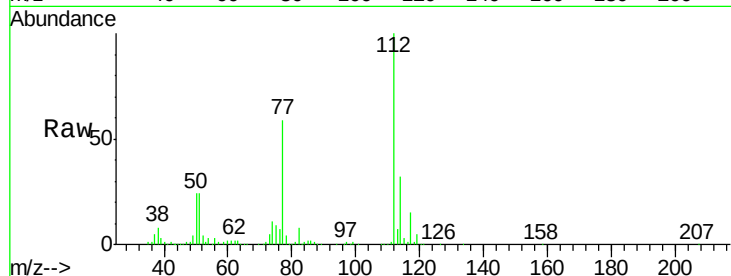
114 32.2 26.5 39.7

Manual Integrations

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MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.975 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

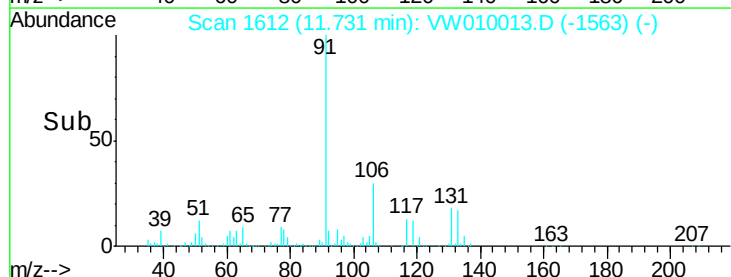
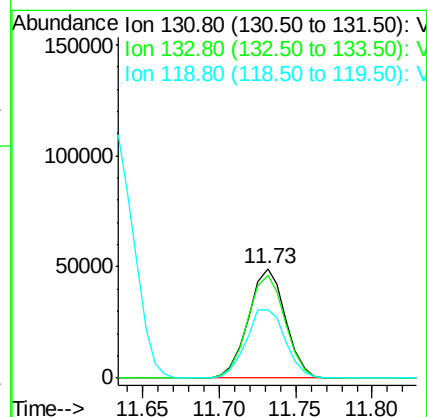
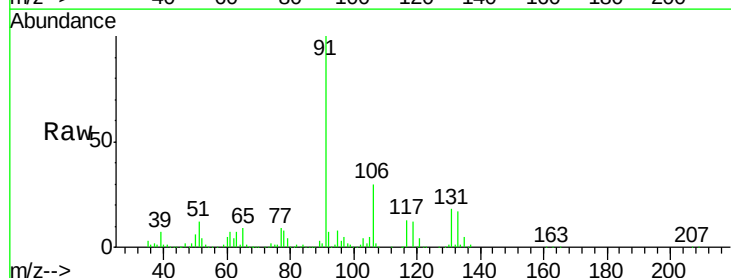
Tgt Ion:131 Resp: 82962

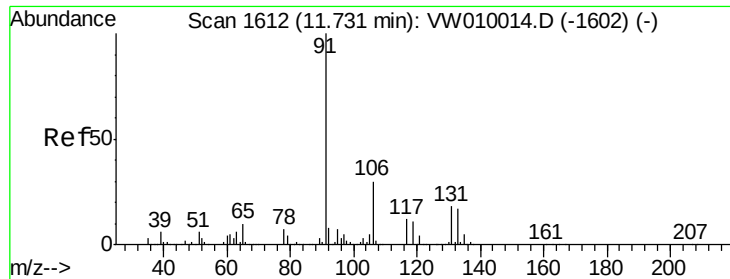
Ion Ratio Lower Upper

131 100

133 95.2 46.5 139.5

119 66.4 31.9 95.5





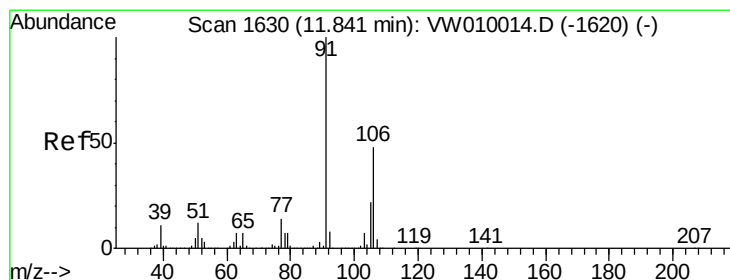
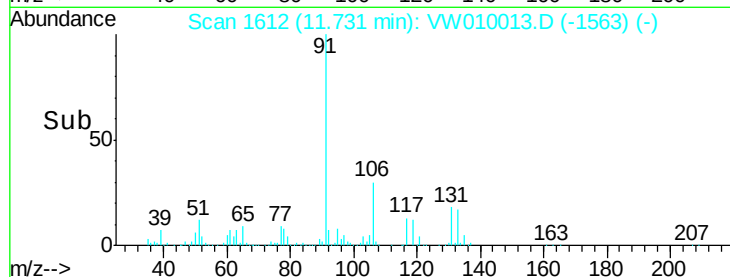
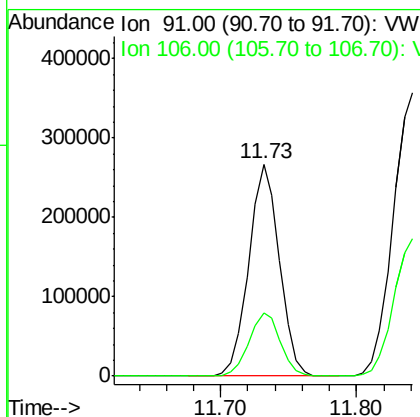
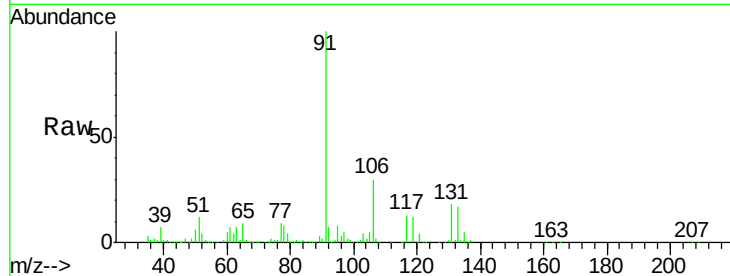
#67
Ethyl Benzene
Concen: 20.283 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 420286
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8

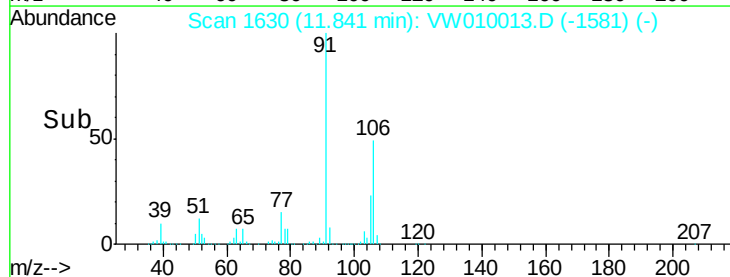
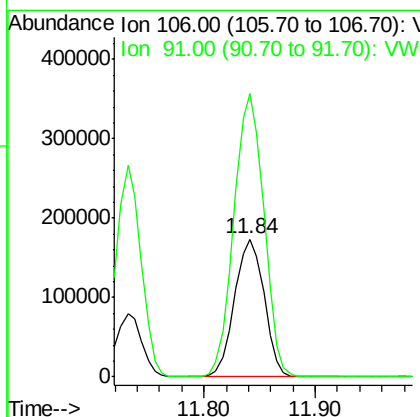
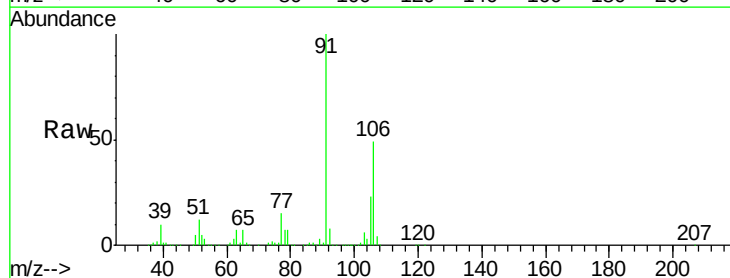
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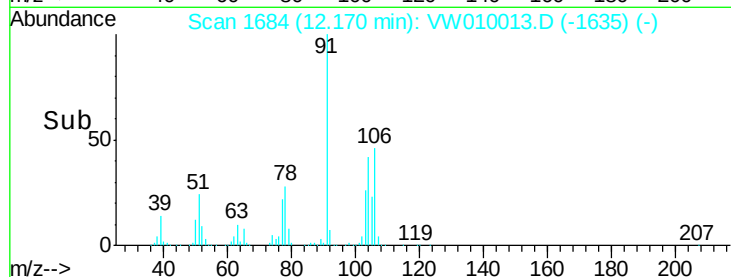
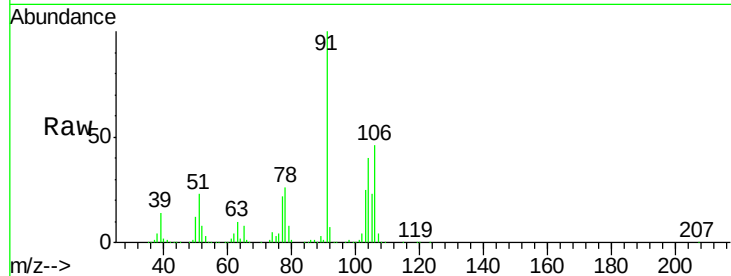
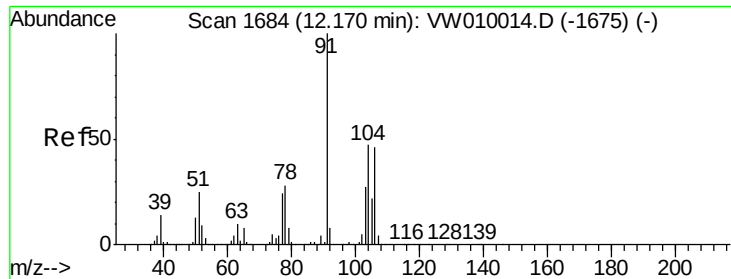
MMDadoda
4/18/2019 11:40:07 AM



#68
m/p-Xylenes
Concen: 41.326 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion: 106 Resp: 320098
Ion Ratio Lower Upper
106 100
91 208.1 165.0 247.6





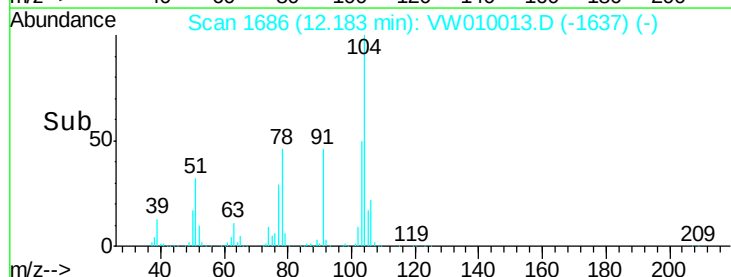
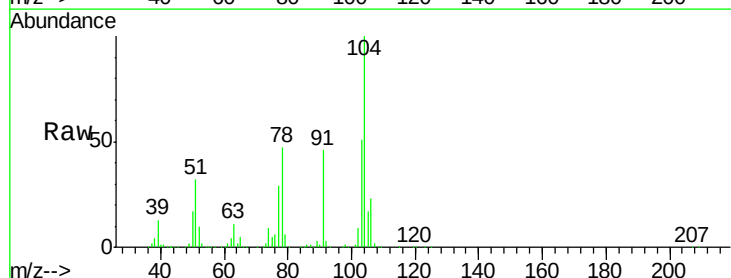
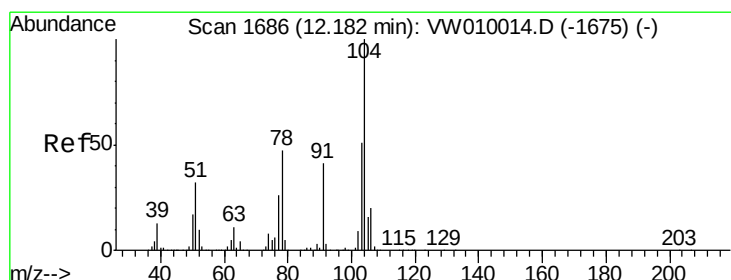
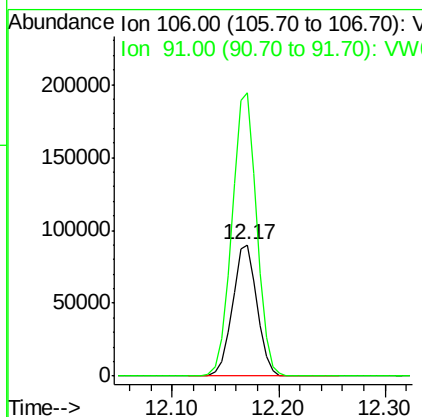
#69
o-Xylene
Concen: 20.588 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tot Ion:106 Resp: 145203
Ion Ratio Lower Upper
106 100
91 217.8 110.5 331.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

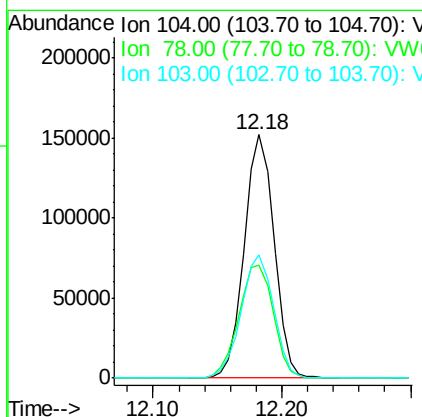
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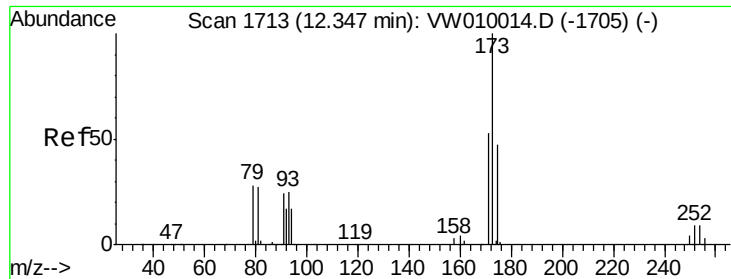
MMDadoda
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#70
Styrene
Concen: 20.063 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion:104 Resp: 243968
Ion Ratio Lower Upper
104 100
78 54.0 42.5 63.7
103 55.2 43.6 65.4





#71

Bromoform

Concen: 19.274 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 42329

Ion Ratio Lower Upper

173 100

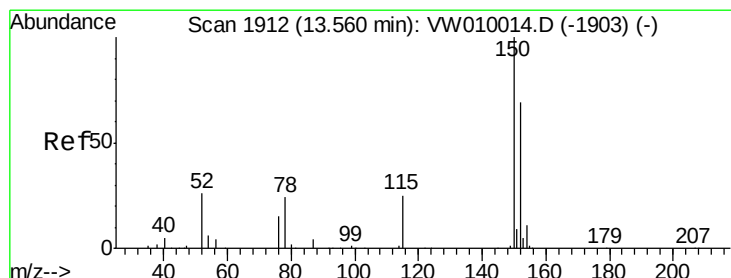
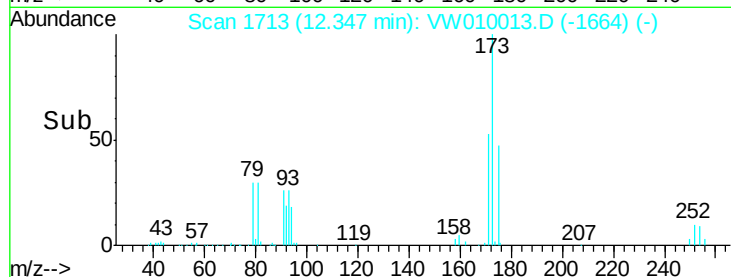
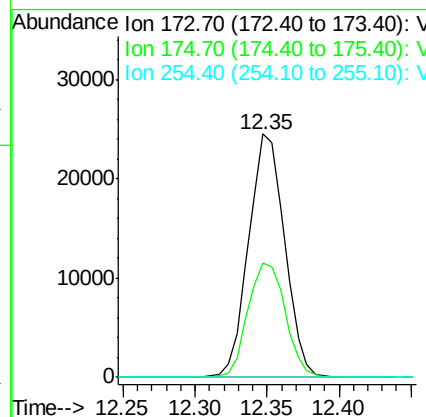
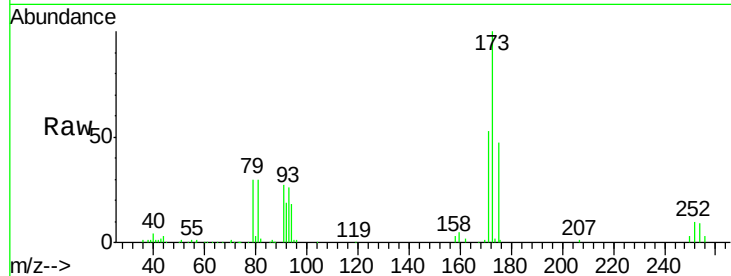
175 48.7 23.8 71.4

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

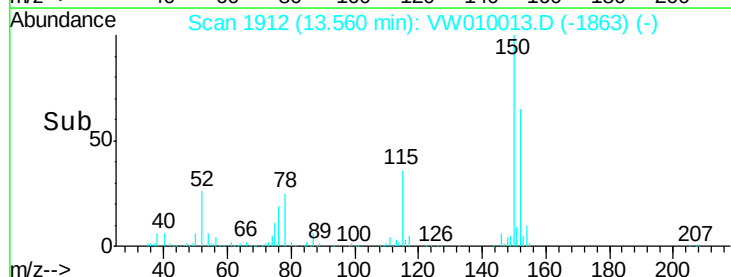
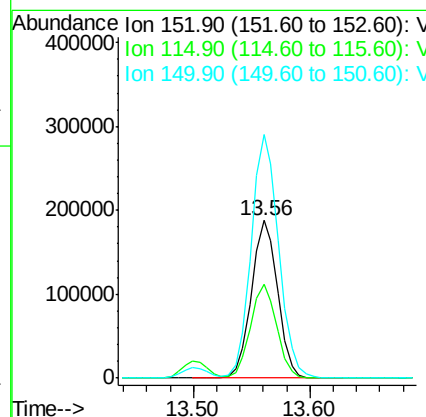
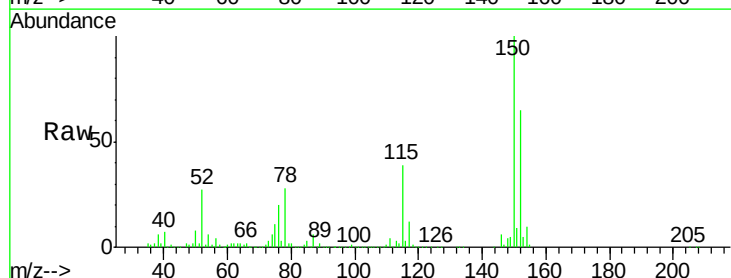
Tgt Ion:152 Resp: 294642

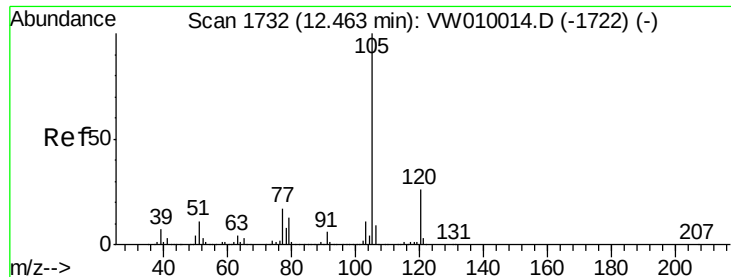
Ion Ratio Lower Upper

152 100

115 59.4 30.4 91.2

150 162.1 0.0 347.0





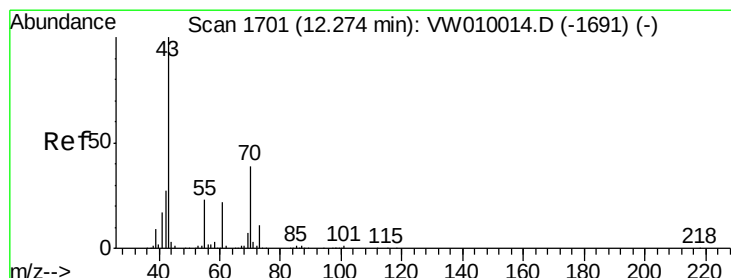
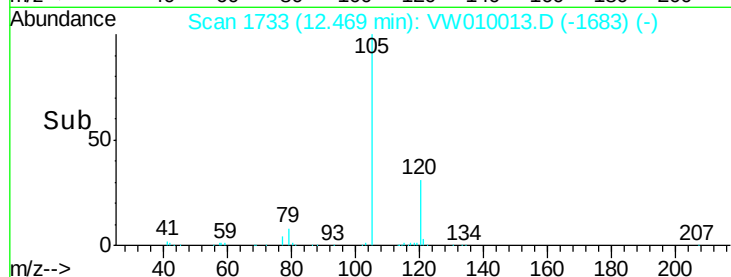
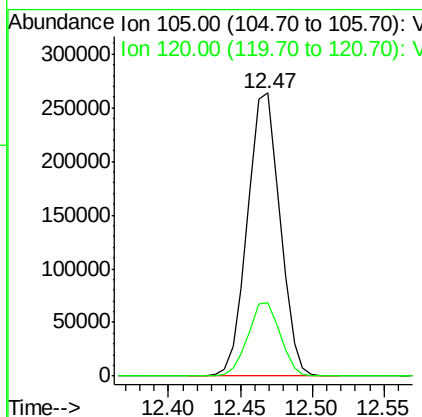
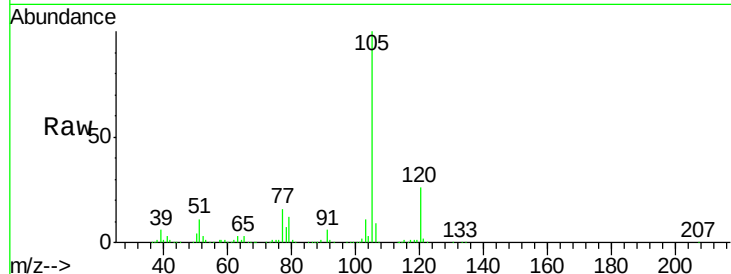
#73
Isopropylbenzene
Concen: 20.094 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.1	39.1

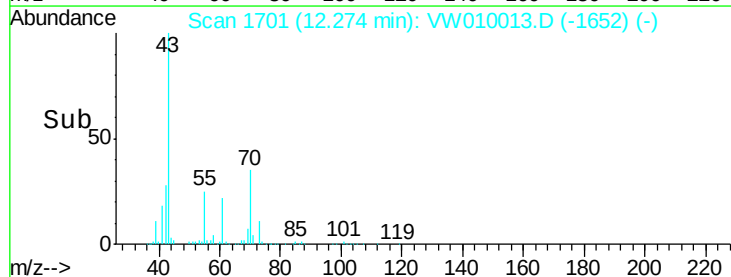
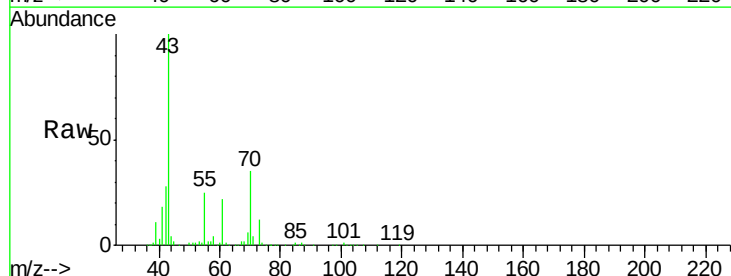
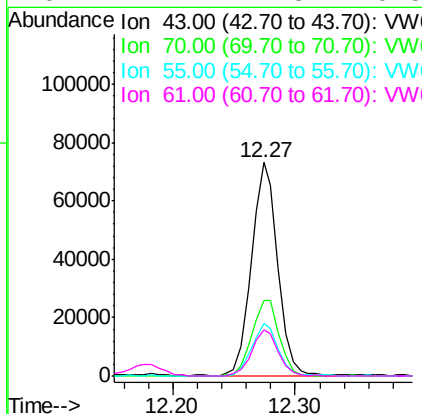
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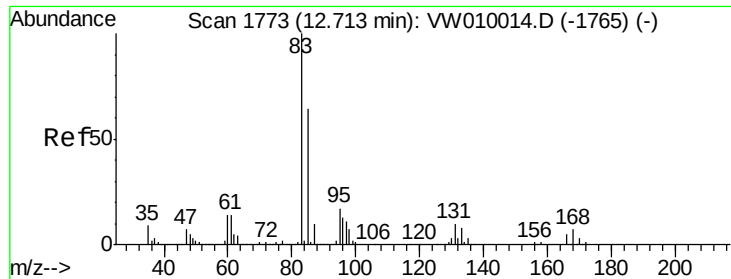
MMDadoda
4/18/2019 11:40:07 AM



#74
N-ethyl acetate
Concen: 19.200 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	31.3	46.9
55	25.1	20.0	30.0
61	22.1	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.146 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

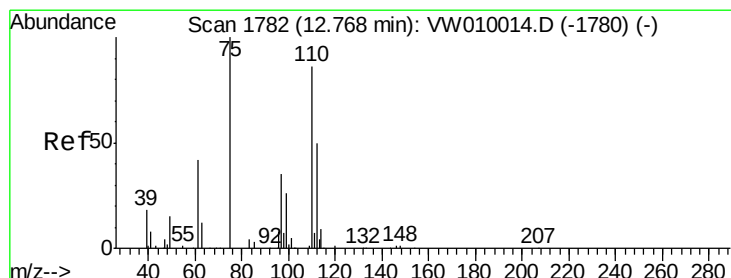
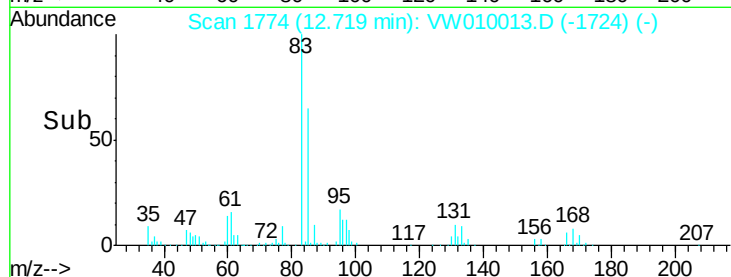
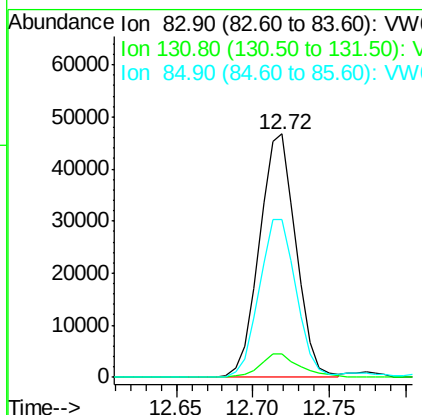
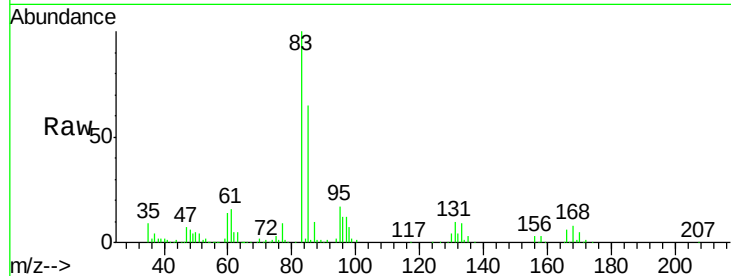
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	77569
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.8
85	66.0	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 16.183 ug/l m

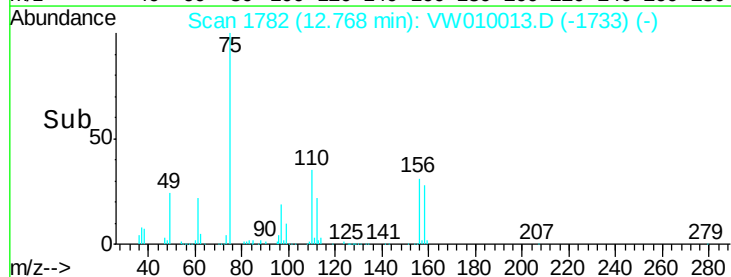
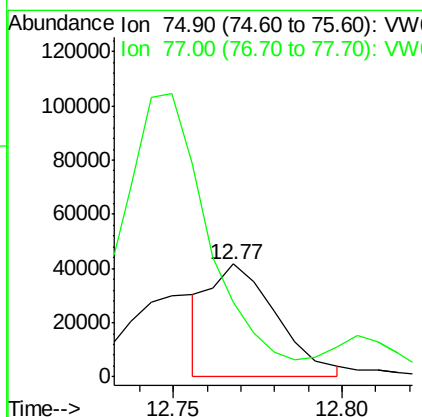
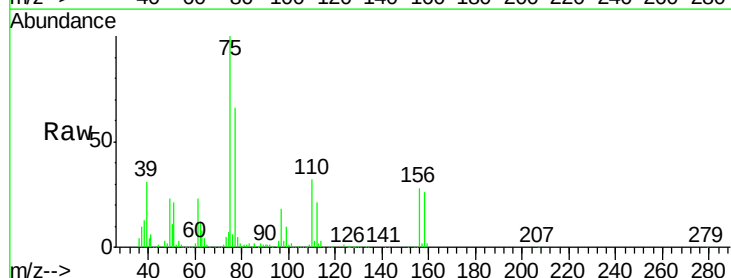
RT: 12.77 min Scan# 1782

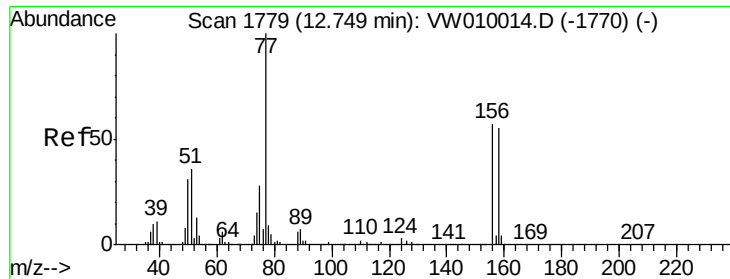
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	75	Resp:	57162
Ion	Ratio	Lower	Upper
75	100		
77	332.8	0.0	0.0#





#77

Bromobenzene

Concen: 19.728 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 93043

Ion Ratio Lower Upper

156 100

77 204.5 102.5 307.4

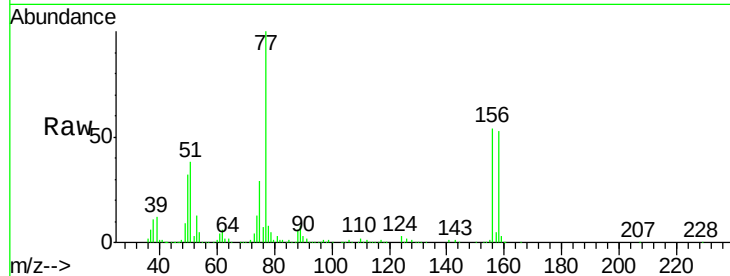
158 97.4 48.8 146.4

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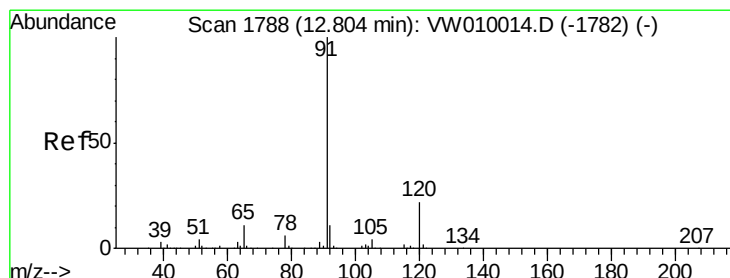
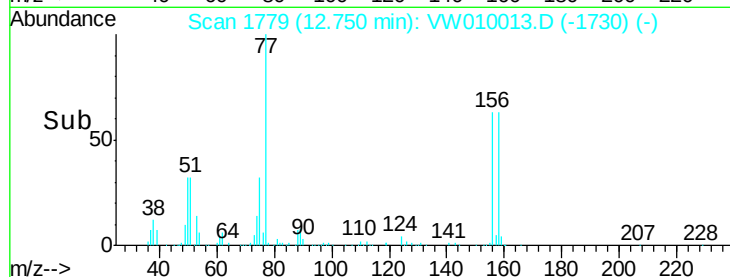
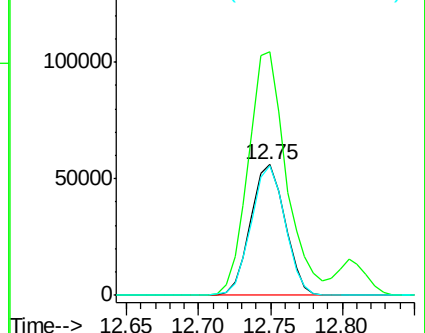
4/18/2019 11:40:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.409 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010013.D

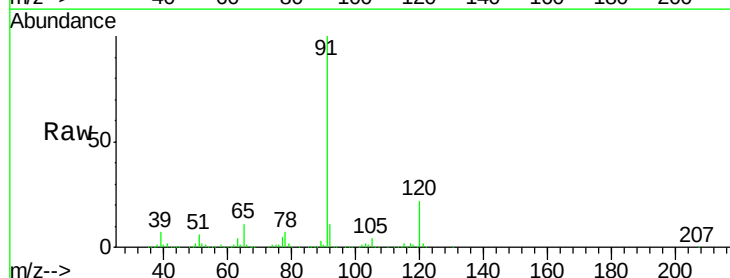
Acq: 17 Apr 2019 11:49

Tgt Ion: 91 Resp: 518713

Ion Ratio Lower Upper

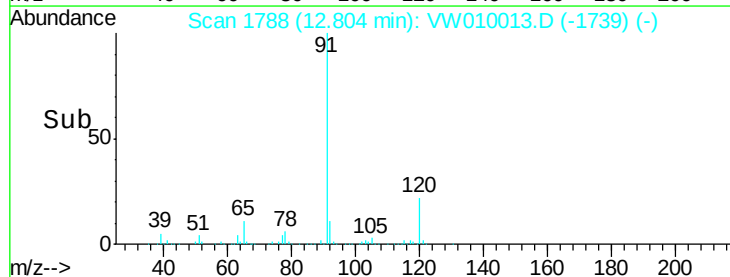
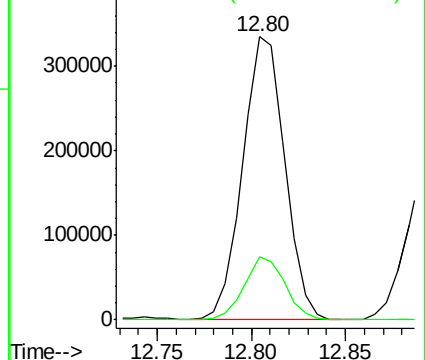
91 100

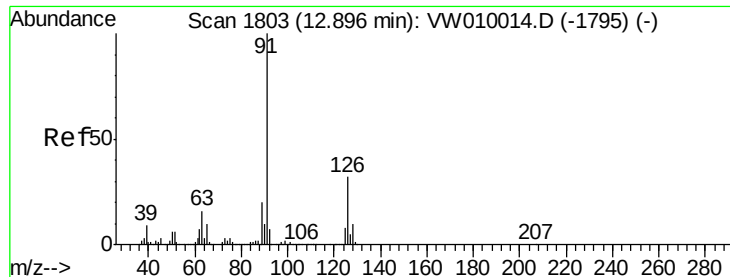
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.284 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 296488

Ion Ratio Lower Upper

91 100

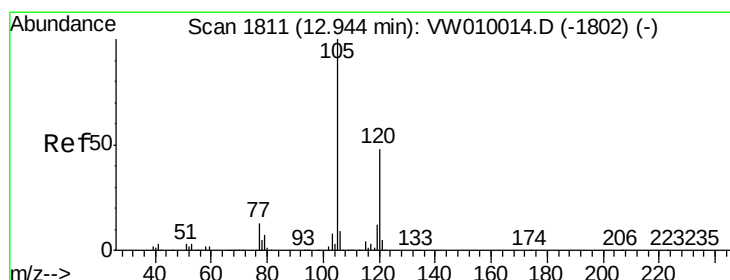
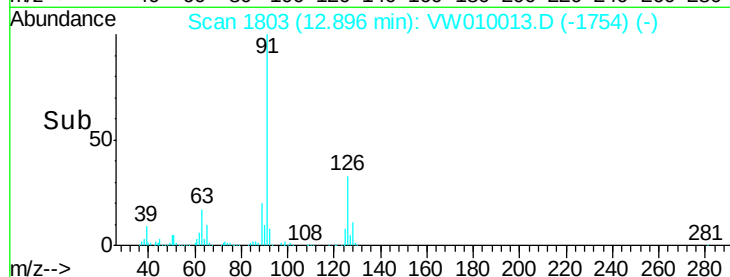
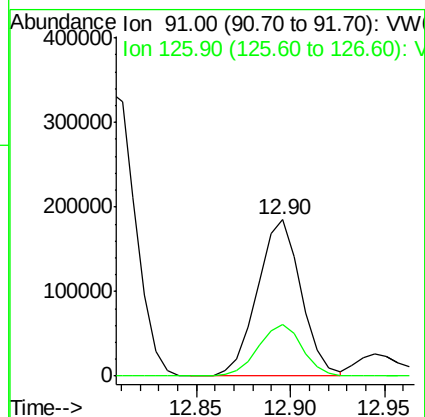
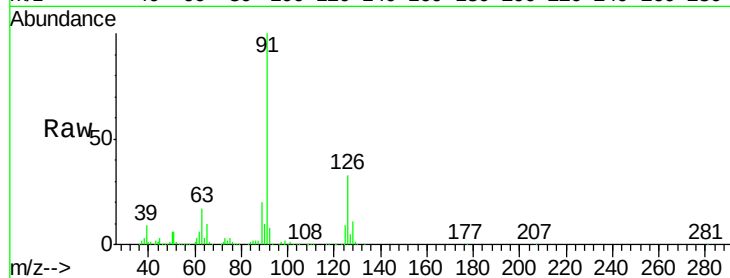
126 32.9 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.219 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010013.D

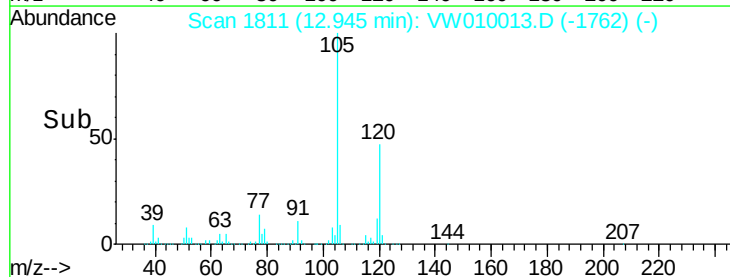
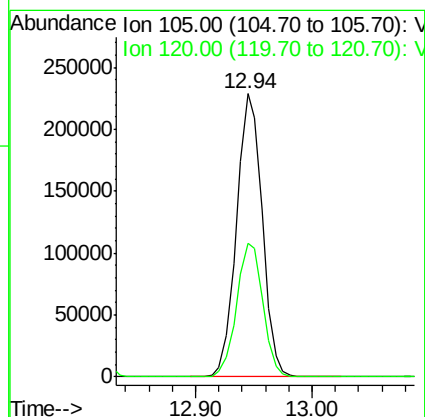
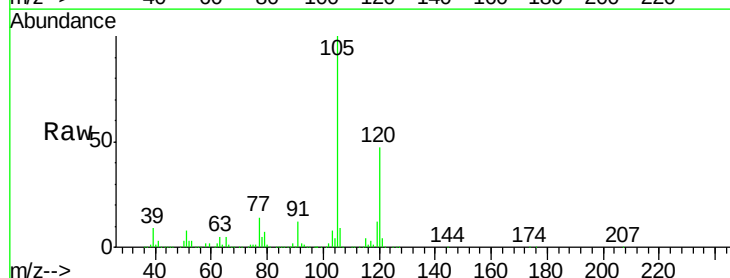
Acq: 17 Apr 2019 11:49

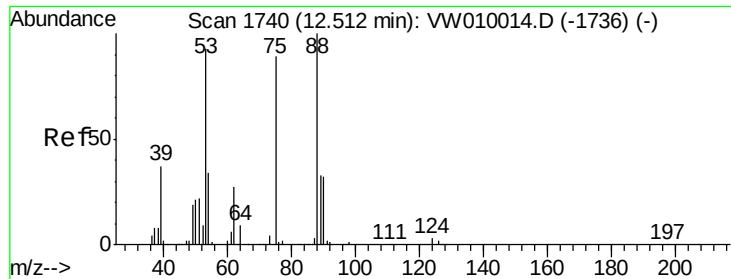
Tgt Ion: 105 Resp: 351539

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





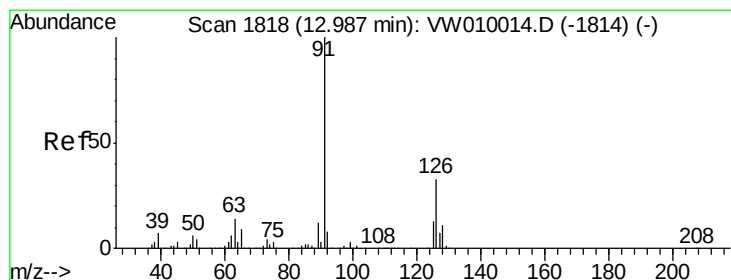
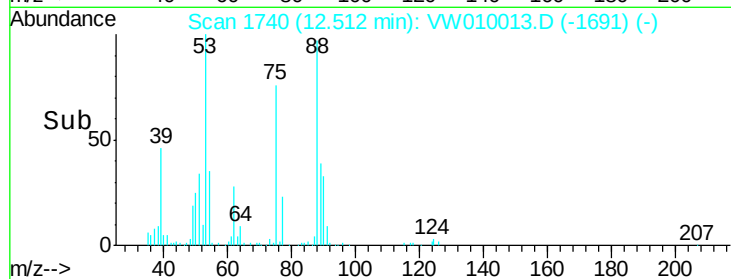
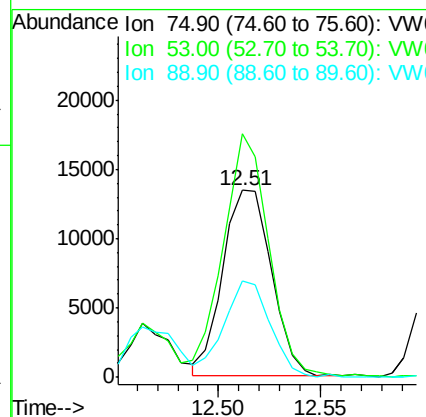
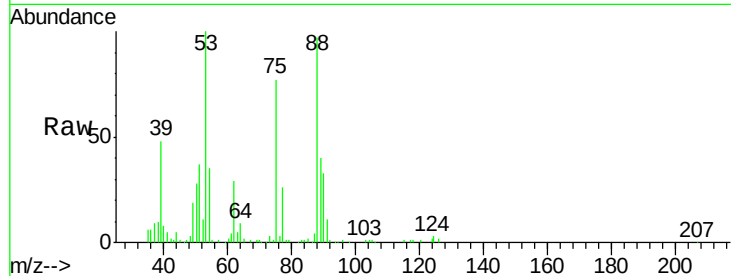
#81
trans-1,4-Dichloro-2-butene
Concen: 17.678 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.6	89.8	134.8
89	50.2	36.6	54.8

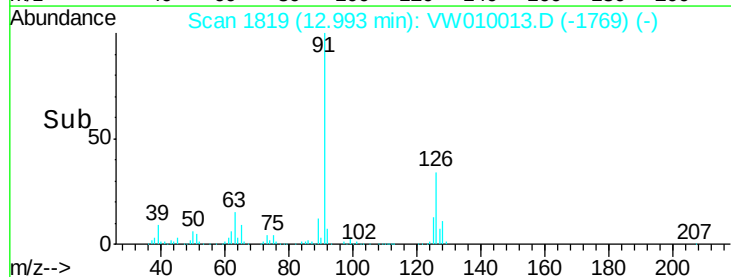
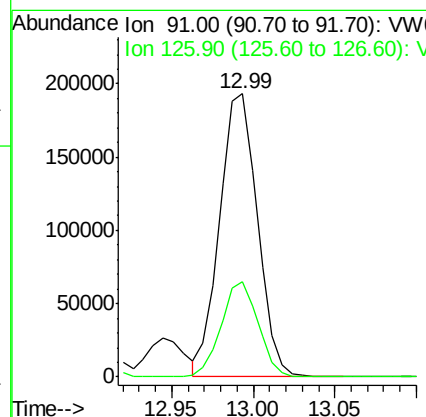
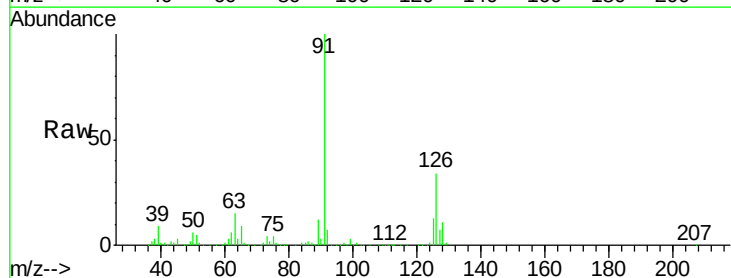
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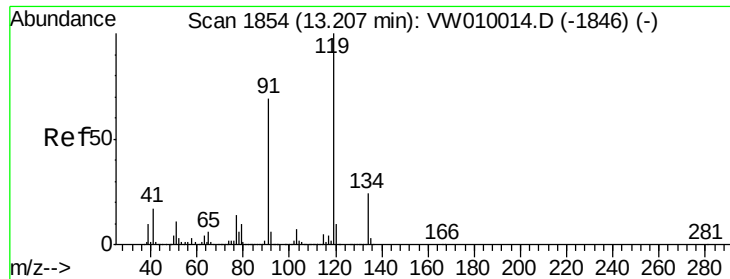
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#82
4-Chlorotoluene
Concen: 20.257 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.1





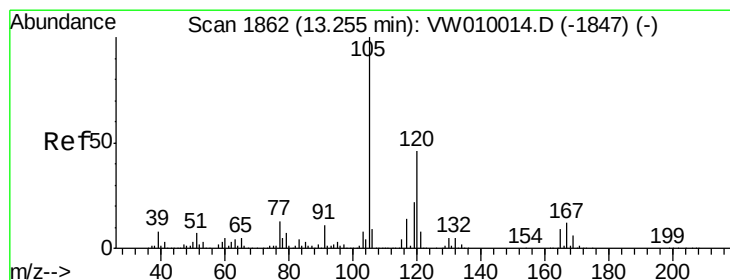
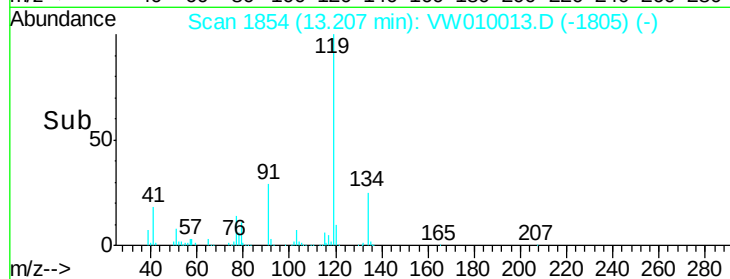
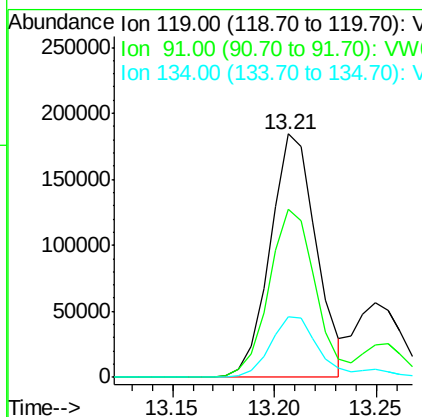
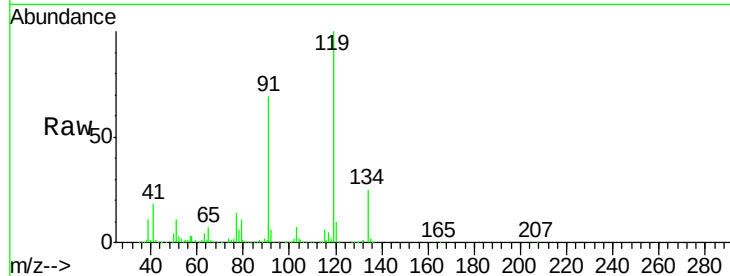
#83
tert-Butylbenzene
Concen: 20.144 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.8	104.4
134	25.3	13.7	41.1

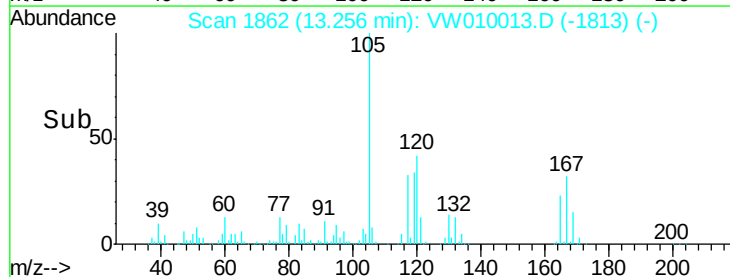
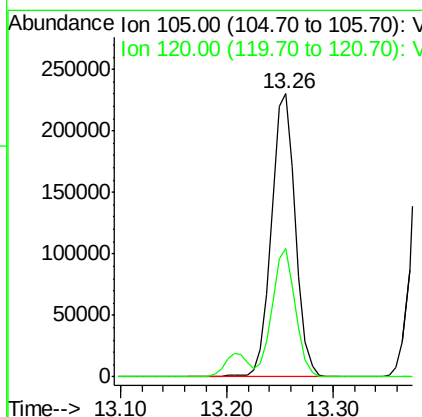
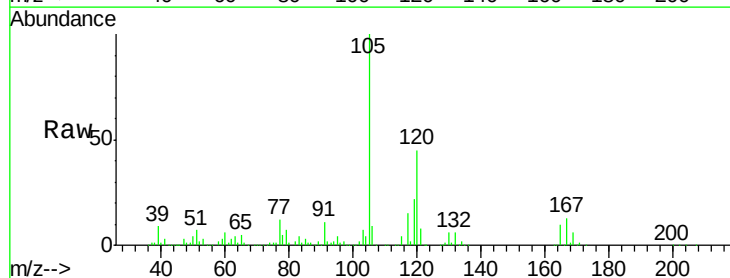
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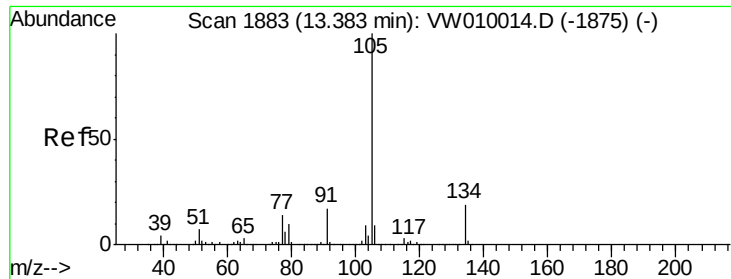
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#84
1,2,4-Trimethylbenzene
Concen: 20.492 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.6	67.7





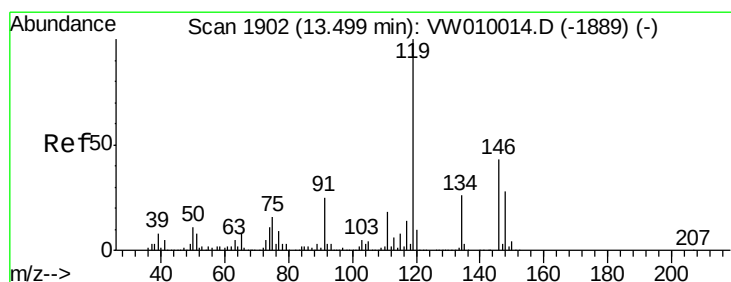
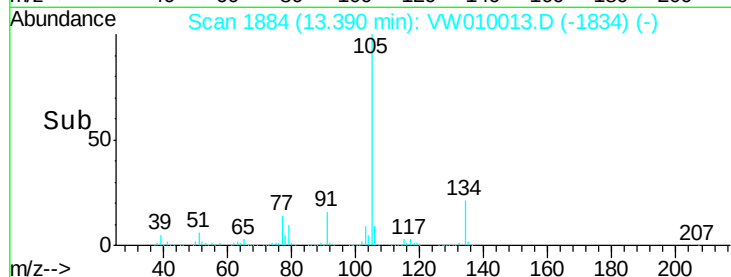
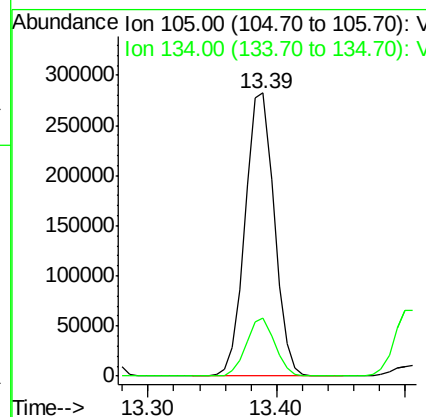
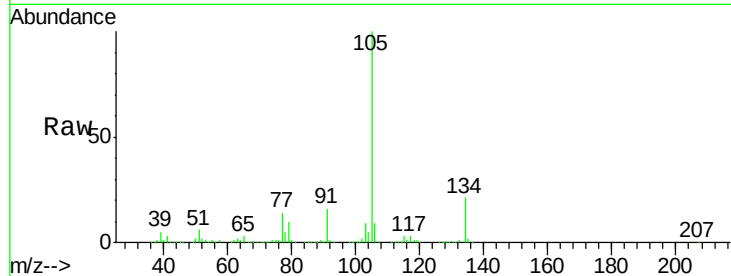
#85
 sec-Butylbenzene
 Concen: 20.422 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.5

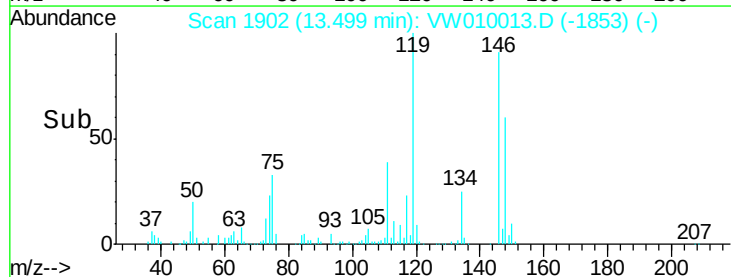
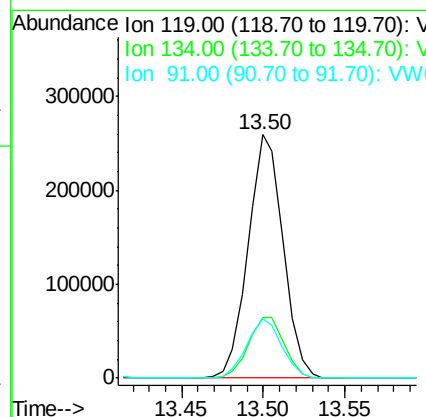
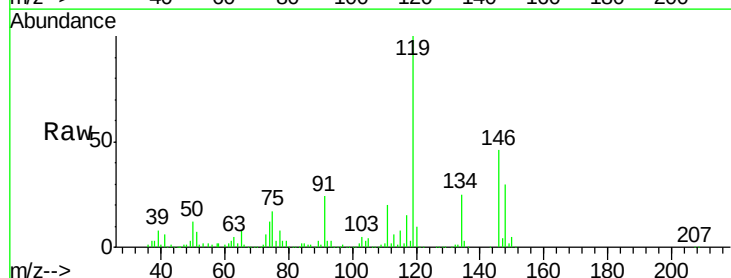
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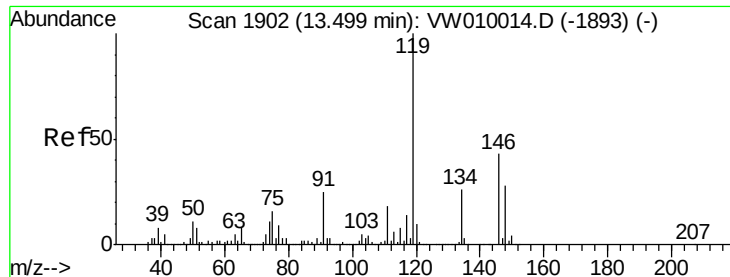
MMDadoda
 4/18/2019 11:40:07 AM



#86
 p-Isopropyltoluene
 Concen: 20.281 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	38.9
91	24.7	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 20.325 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

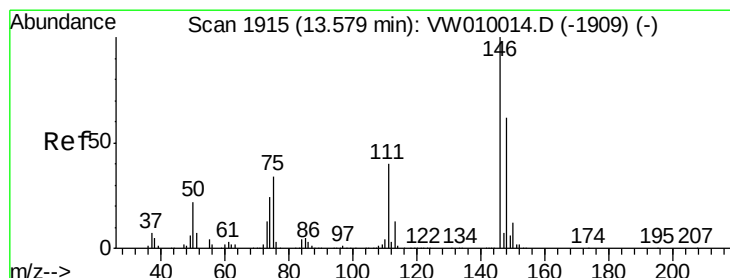
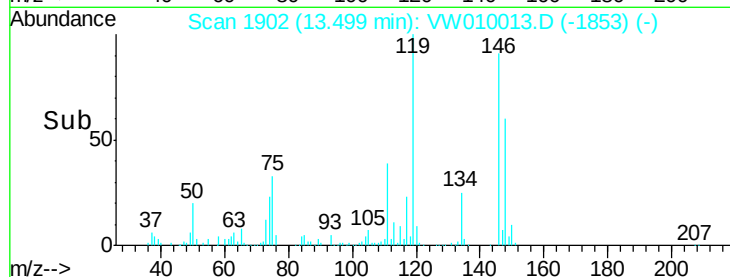
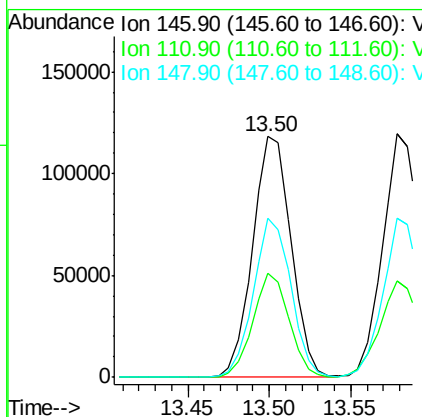
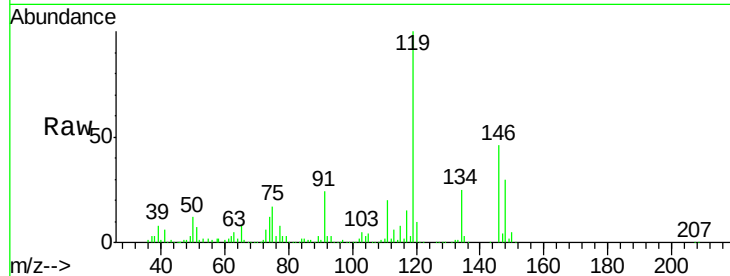
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	64.4	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 20.268 ug/l

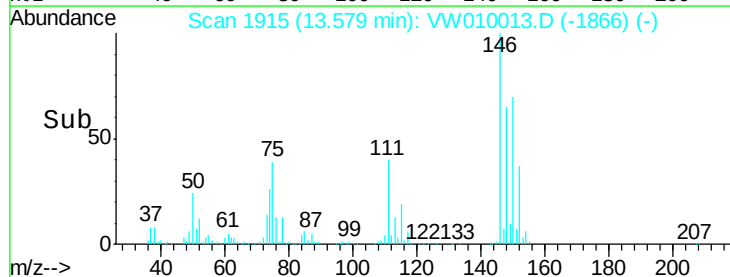
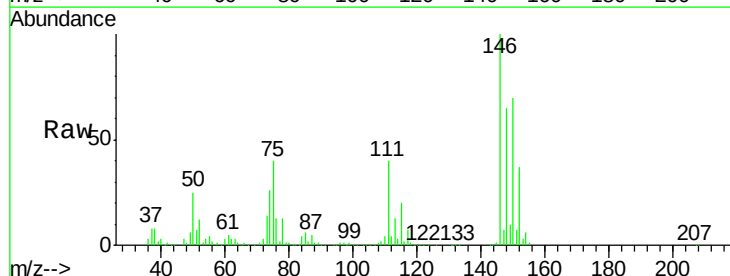
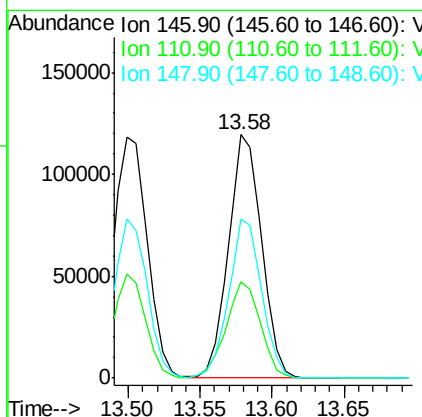
RT: 13.58 min Scan# 1915

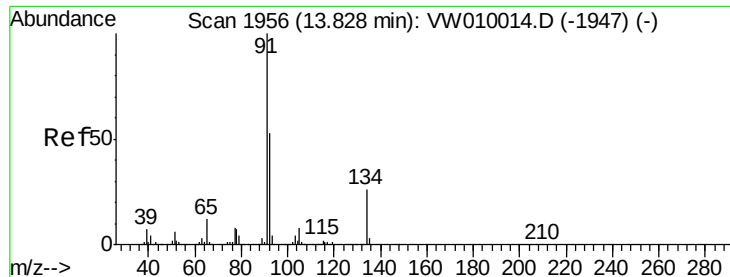
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	64.9	31.8	95.3





#89

n-Butylbenzene

Concen: 20.118 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

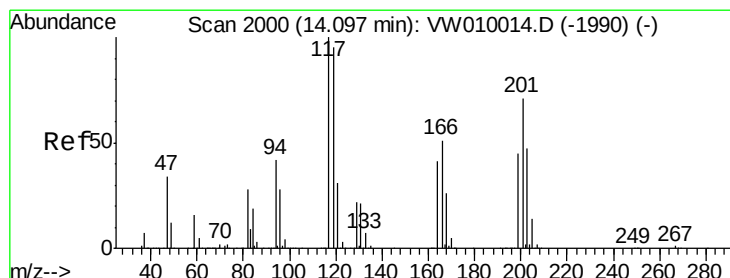
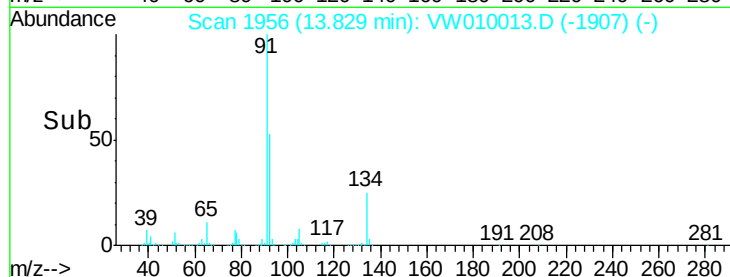
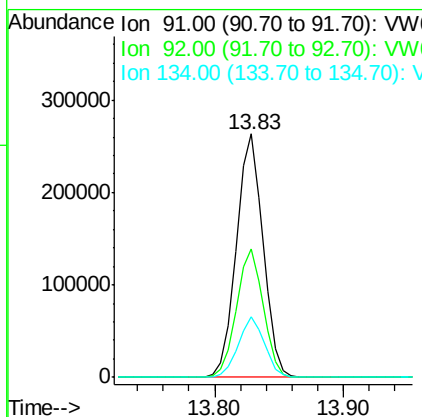
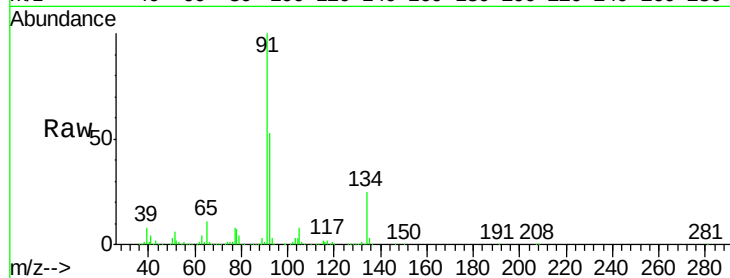
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	378000
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.4
134	24.4	12.4	37.0

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#90

Hexachloroethane

Concen: 19.887 ug/l

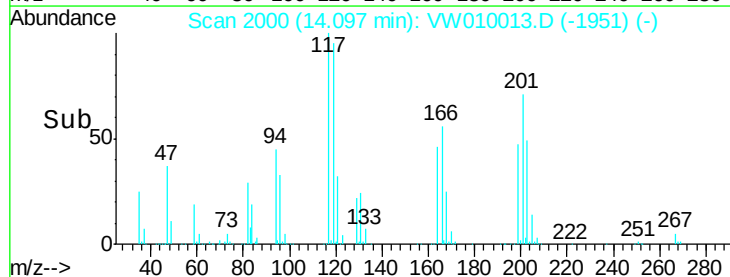
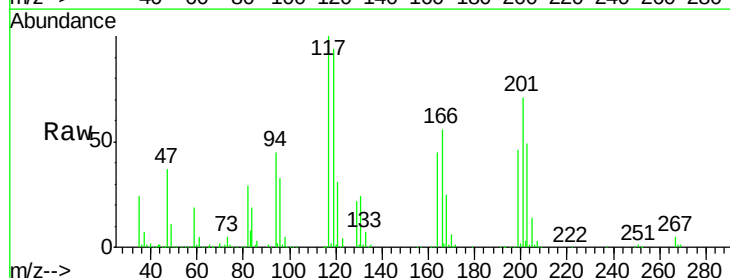
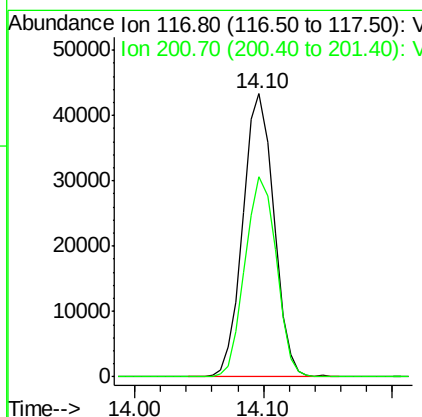
RT: 14.10 min Scan# 2000

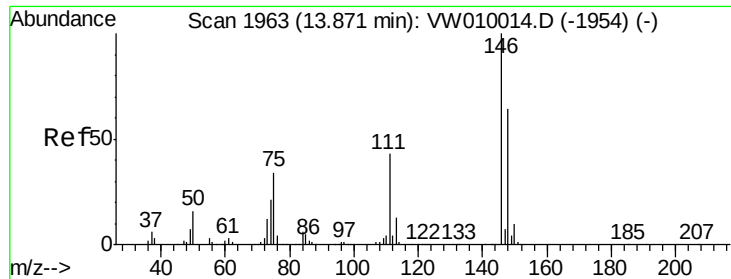
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	117	Resp:	72238
Ion	Ratio	Lower	Upper
117	100		
201	71.2	36.1	108.3





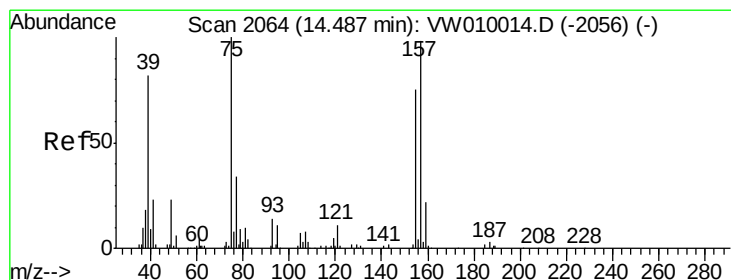
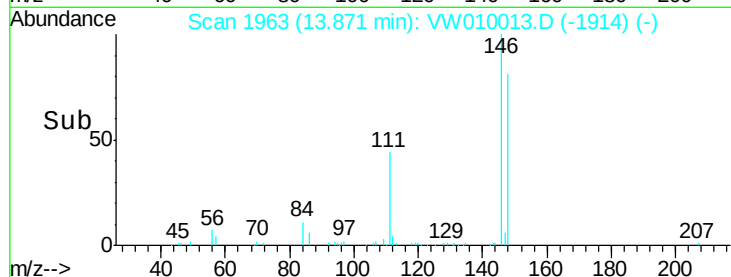
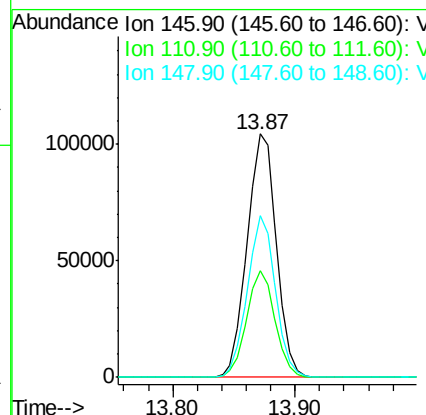
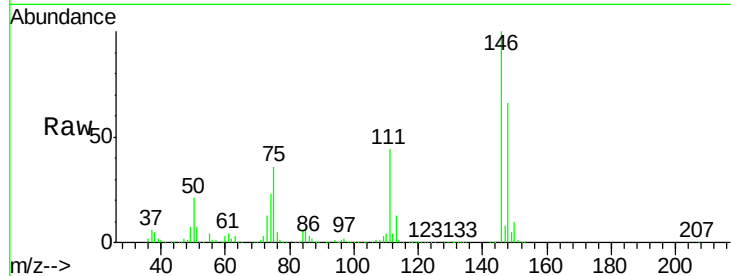
#91
 1,2-Dichlorobenzene
 Concen: 20.331 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	63.4	31.9	95.7

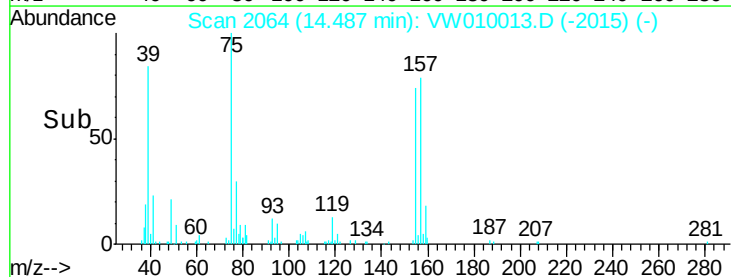
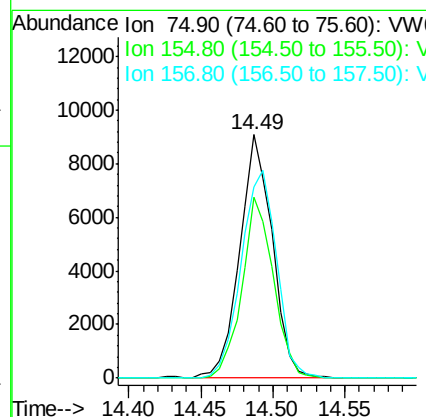
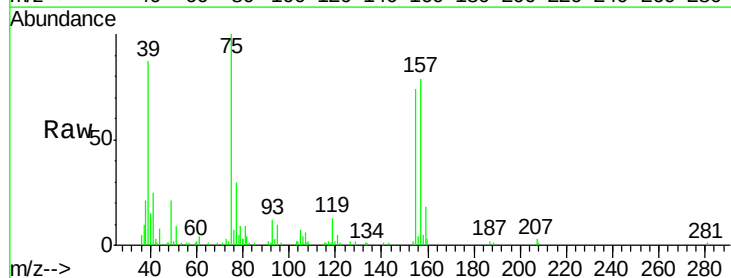
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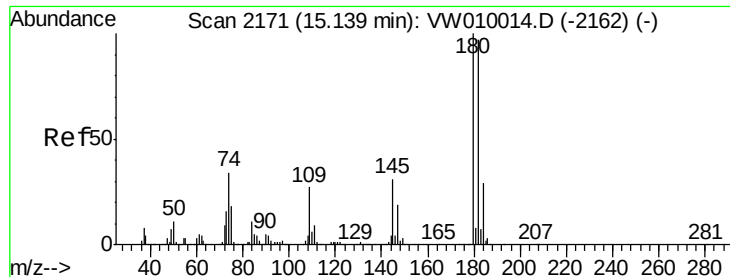
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.668 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010013.D
 Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	37.1	111.5
157	92.8	47.3	141.9





#93

1,2,4-Trichlorobenzene

Concen: 19.748 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Instrument :

MSVOA_W

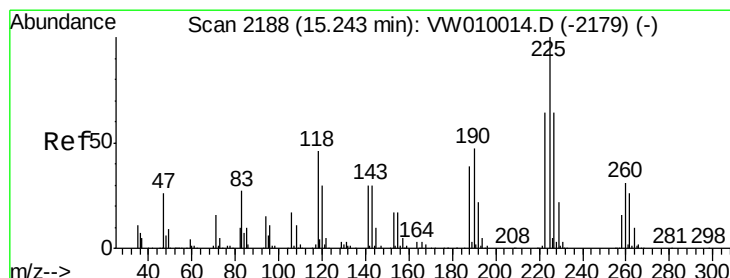
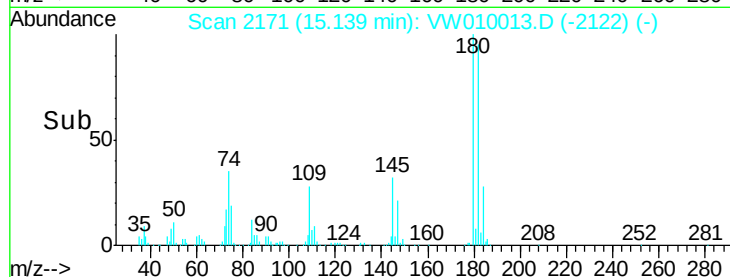
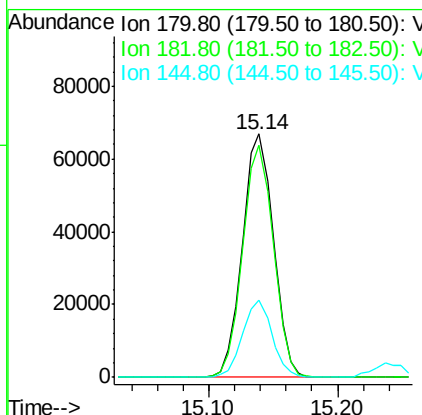
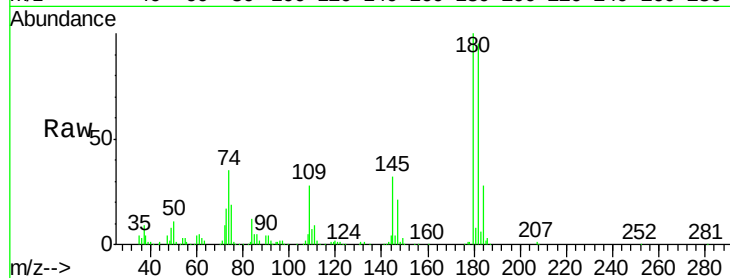
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	111367
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.1	141.4
145	30.3	15.2	45.6

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#94

Hexachlorobutadiene

Concen: 19.706 ug/l

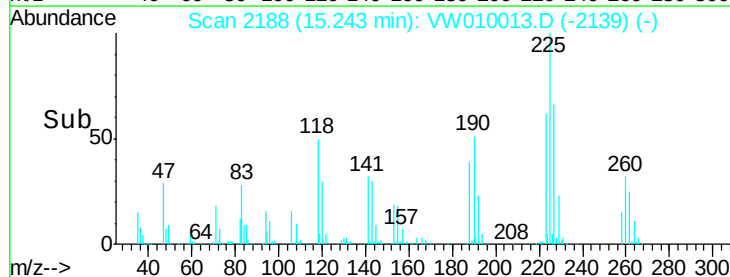
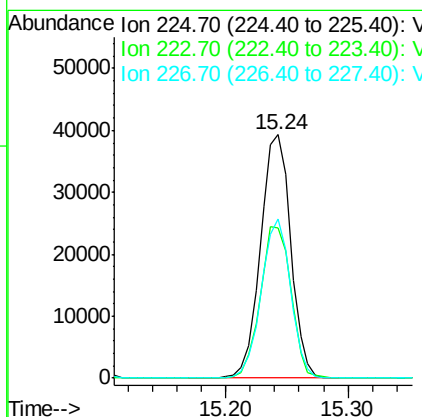
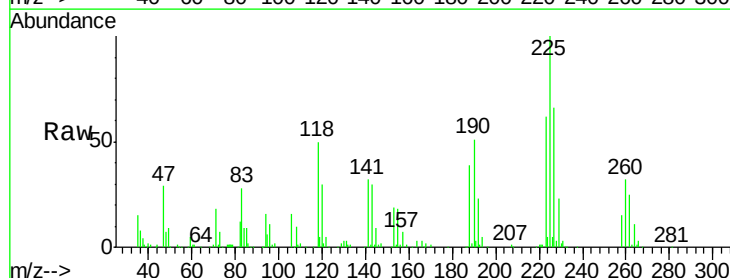
RT: 15.24 min Scan# 2188

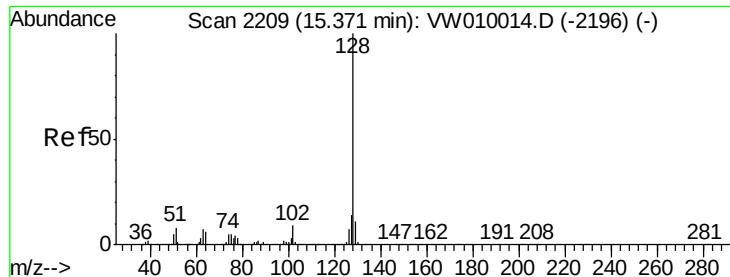
Delta R.T. 0.00 min

Lab File: VW010013.D

Acq: 17 Apr 2019 11:49

Tgt Ion:	225	Resp:	67484
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.9	95.5
227	63.6	31.8	95.3





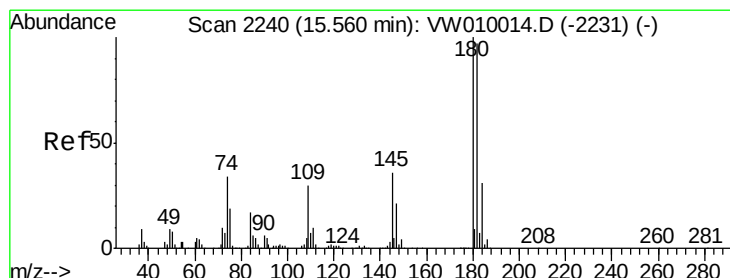
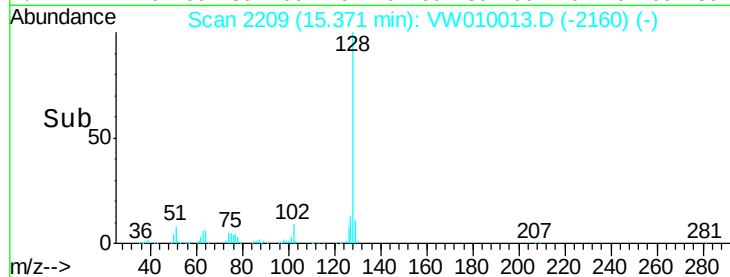
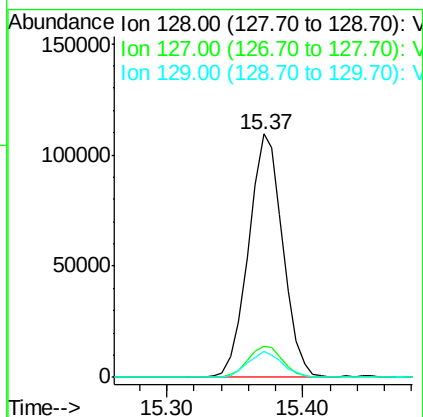
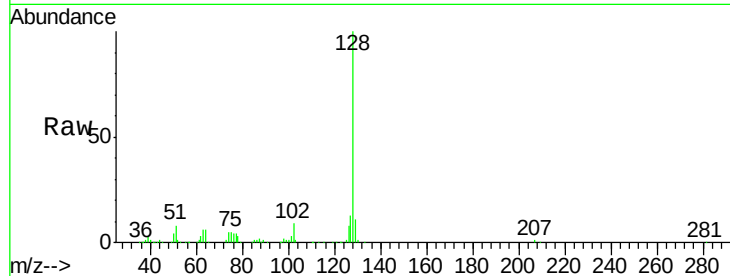
#95
Naphthalene
Concen: 19.044 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192816		
127	13.1	10.6	15.8	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.765 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010013.D
Acq: 17 Apr 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96704		
182	96.1	47.8	143.3	
145	33.3	16.4	49.2	

