

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008004.D
 Acq On : 02 Jan 2019 12:53
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:10 AM

Quant Time: Jan 03 04:47:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	100531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	4164	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	
35) Dibromofluoromethane	7.88	113	3740	5.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.76%	
50) Toluene-d8	10.32	98	13815	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
62) 4-Bromofluorobenzene	12.62	95	5462	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	2986m	4.590	ug/l	
3) Chloromethane	2.21	50	2338	4.915	ug/l	100
4) Vinyl Chloride	2.37	62	3024	4.922	ug/l	99
5) Bromomethane	2.78	94	1956	5.011	ug/l	88
6) Chloroethane	2.93	64	1476	4.701	ug/l #	87
7) Trichlorofluoromethane	3.26	101	2710	4.394	ug/l	93
8) Diethyl Ether	3.68	74	1570	4.957	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	3400	4.639	ug/l	99
10) Methyl Iodide	4.26	142	5717	4.849	ug/l	94
11) Tert butyl alcohol	5.17	59	1515	30.174	ug/l #	79
12) 1,1-Dichloroethene	4.04	96	3488	4.972	ug/l	90
13) Acrolein	3.89	56	789	23.193	ug/l	84
14) Allyl chloride	4.67	41	4558	4.796	ug/l	100
15) Acrylonitrile	5.37	53	2718	23.330	ug/l	96
16) Acetone	4.12	43	3183	26.607	ug/l	98
17) Carbon Disulfide	4.38	76	10127	4.726	ug/l	97
18) Methyl Acetate	4.68	43	1401m	4.516	ug/l	
19) Methyl tert-butyl Ether	5.43	73	5506	4.987	ug/l	93
20) Methylene Chloride	4.92	84	5657	6.856	ug/l #	93
21) trans-1,2-Dichloroethene	5.42	96	3907	5.119	ug/l	91
22) Diisopropyl ether	6.31	45	8150	4.778	ug/l	96
23) Vinyl Acetate	6.26	43	22378	23.447	ug/l	97
24) 1,1-Dichloroethane	6.21	63	6177	4.874	ug/l	98
25) 2-Butanone	7.18	43	3596	25.513	ug/l #	69
26) 2,2-Dichloropropane	7.16	77	5343	5.117	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	4056	4.989	ug/l	99
28) Bromochloromethane	7.51	49	2411	5.918	ug/l #	97
29) Tetrahydrofuran	7.54	42	2138	24.420	ug/l	92
30) Chloroform	7.67	83	7240	5.097	ug/l	96
31) Cyclohexane	7.95	56	6720	5.689	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	6474	4.763	ug/l	98
36) 1,1-Dichloropropene	8.09	75	5244	4.825	ug/l	98
37) Ethyl Acetate	7.26	43	1566	4.797	ug/l #	78
38) Carbon Tetrachloride	8.07	117	6217	4.773	ug/l	97

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 ALS Vial : 3 Sample Multiplier: 1

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 VSTDIC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	6414	4.734	ug/l	95
40) Benzene	8.32	78	14256	4.972	ug/l	94
41) Methacrylonitrile	7.49	41	823m	4.091	ug/l	
42) 1,2-Dichloroethane	8.40	62	4753	4.975	ug/l	96
43) Isopropyl Acetate	8.42	43	3005	4.607	ug/l	98
44) Trichloroethene	9.09	130	4015	4.745	ug/l	87
45) 1,2-Dichloropropane	9.37	63	3086	4.972	ug/l	98
46) Dibromomethane	9.46	93	1766	4.867	ug/l	95
47) Bromodichloromethane	9.65	83	4837	4.759	ug/l	98
48) Methyl methacrylate	9.44	41	1661	5.050	ug/l	93
49) 1,4-Dioxane	9.45	88	545	101.491	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	7418	24.566	ug/l	98
52) Toluene	10.39	92	9442	4.988	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	4689	4.798	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	5143	4.716	ug/l #	91
55) 1,1,2-Trichloroethane	10.79	97	2345	4.773	ug/l	87
56) Ethyl methacrylate	10.65	69	2555	4.600	ug/l	94
57) 1,3-Dichloropropane	10.93	76	4129	4.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	7048	26.756	ug/l	99
59) 2-Hexanone	10.97	43	4782	22.940	ug/l	97
60) Dibromochloromethane	11.13	129	3339	4.965	ug/l	93
61) 1,2-Dibromoethane	11.24	107	2266	4.609	ug/l	98
64) Tetrachloroethene	10.87	164	3428	4.936	ug/l	97
65) Chlorobenzene	11.66	112	10457	4.867	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.73	131	3805	4.890	ug/l	98
67) Ethyl Benzene	11.73	91	18349	4.811	ug/l	99
68) m/p-Xylenes	11.84	106	14075	9.546	ug/l	97
69) o-Xylene	12.16	106	6522	4.754	ug/l	99
70) Styrene	12.18	104	10372	4.638	ug/l	99
71) Bromoform	12.35	173	1706	4.733	ug/l #	99
73) Isopropylbenzene	12.47	105	18631	4.661	ug/l	98
74) N-amyl acetate	12.27	43	2873	4.618	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	2372	4.664	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	2353m	3.361	ug/l	
77) Bromobenzene	12.75	156	3982	4.635	ug/l	95
78) n-propylbenzene	12.81	91	22077	4.764	ug/l	97
79) 2-Chlorotoluene	12.90	91	12570	4.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	16204	4.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	762	4.506	ug/l	94
82) 4-Chlorotoluene	12.99	91	13619	4.782	ug/l	99
83) tert-Butylbenzene	13.21	119	14413	4.788	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	17127	4.915	ug/l	99
85) sec-Butylbenzene	13.39	105	19567	4.725	ug/l	98
86) p-Isopropyltoluene	13.51	119	17836	4.775	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	8413	4.853	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	8495	4.950	ug/l	91
89) n-Butylbenzene	13.83	91	16299	4.771	ug/l	99
90) Hexachloroethane	14.10	117	3058	4.718	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	7735	5.078	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	437	4.234	ug/l	91

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MSVOA_W
ClientSampleId :
VSTDICC005

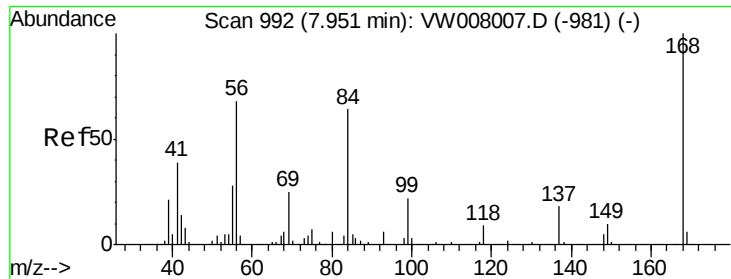
Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:10 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	5003	4.676	ug/l	97
94) Hexachlorobutadiene	15.24	225	2908	4.707	ug/l	94
95) Naphthalene	15.37	128	7788	4.274	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	4237	4.813	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 69872

Ion Ratio Lower Upper

168 100

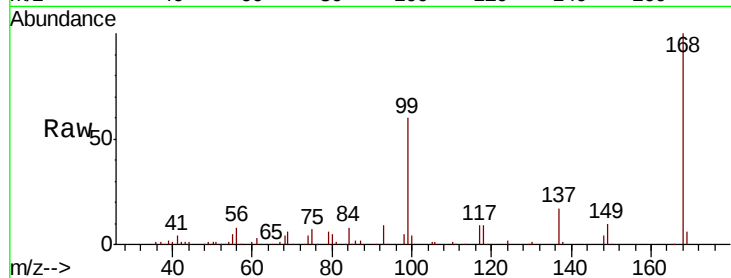
99 60.0 51.6 77.4

Manual Integrations

APPROVED

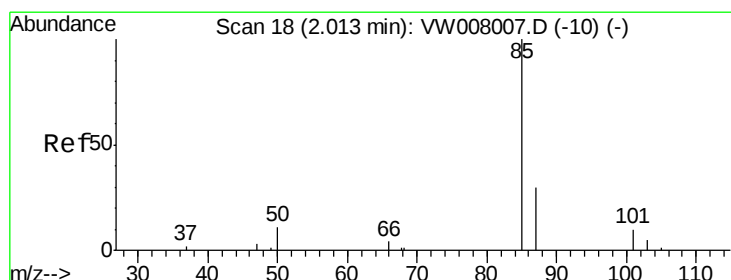
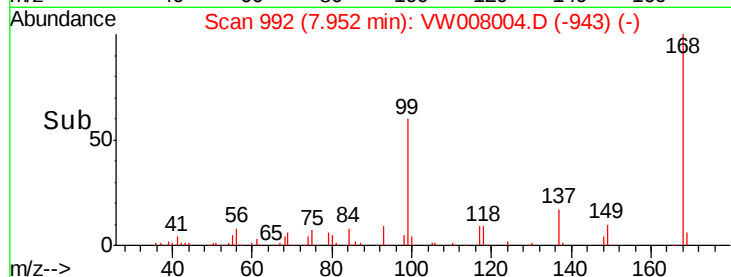
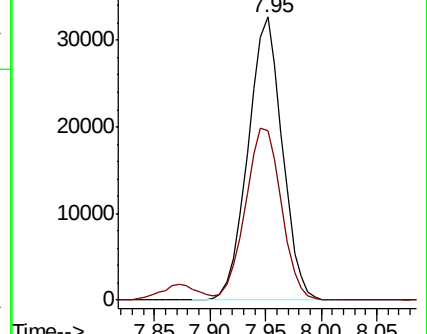
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.590 ug/l m

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008004.D

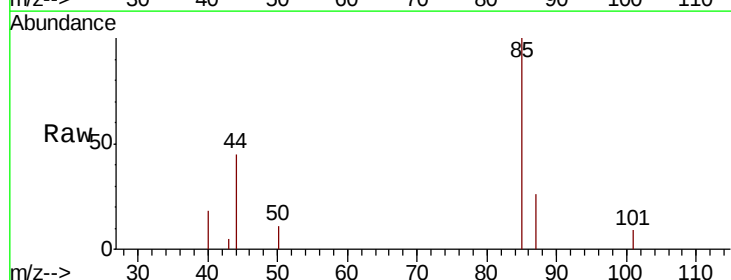
Acq: 02 Jan 2019 12:53

Tgt Ion: 85 Resp: 2986

Ion Ratio Lower Upper

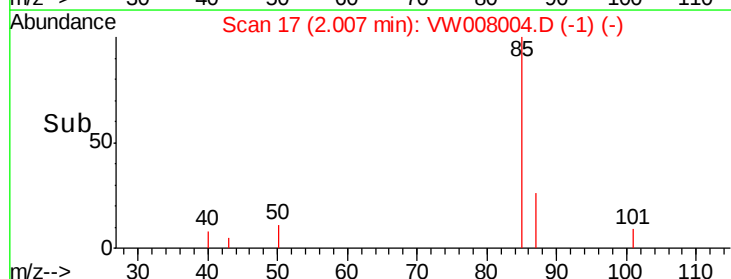
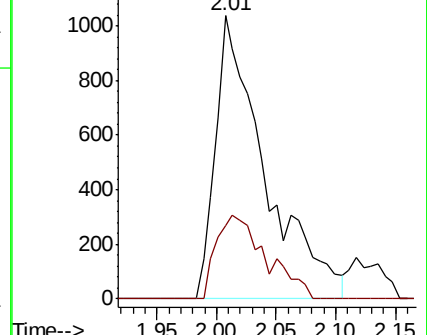
85 100

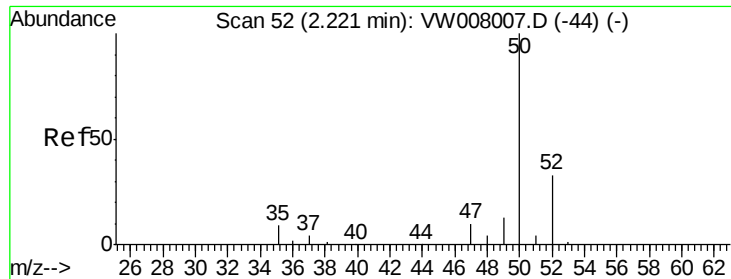
87 25.7 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 4.915 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tot Ion: 50 Resp: 2338

Ion Ratio Lower Upper

50 100

52 33.3 26.8 40.2

Instrument :

MSVOA_W

ClientSampled :

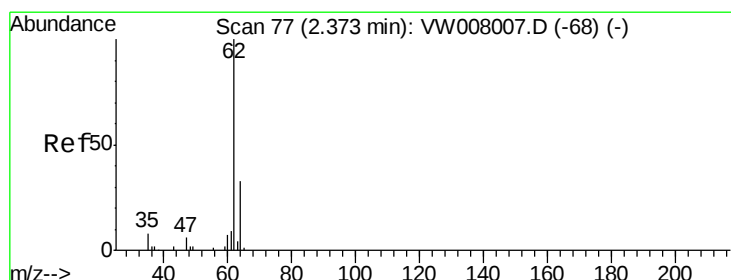
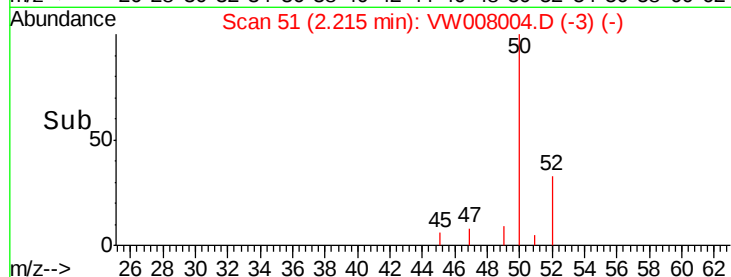
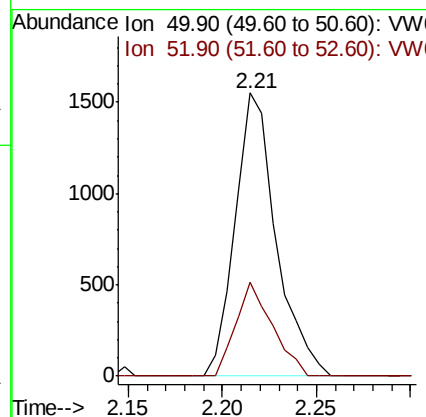
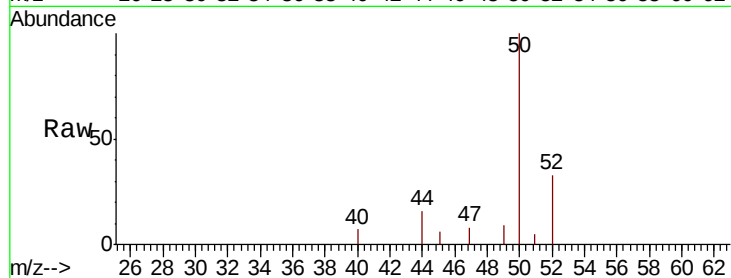
VSTDIC005

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.922 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008004.D

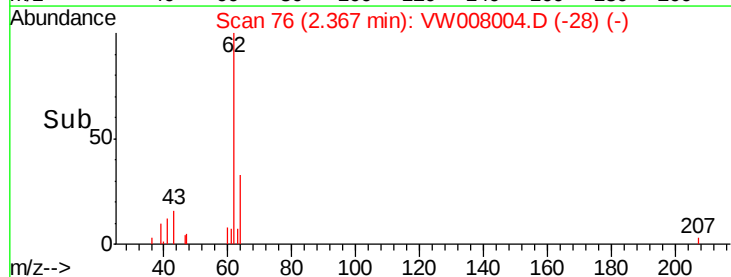
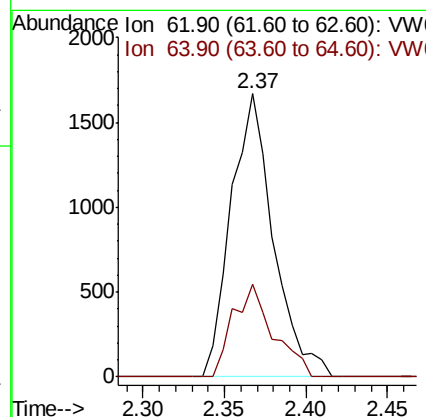
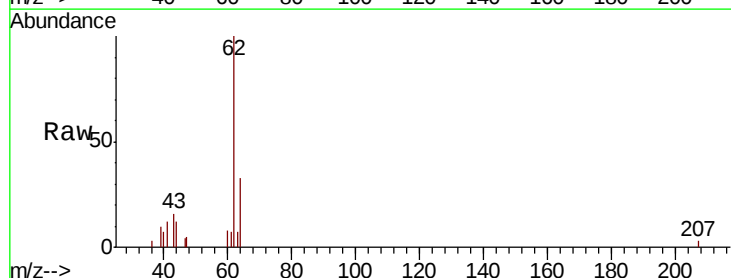
Acq: 02 Jan 2019 12:53

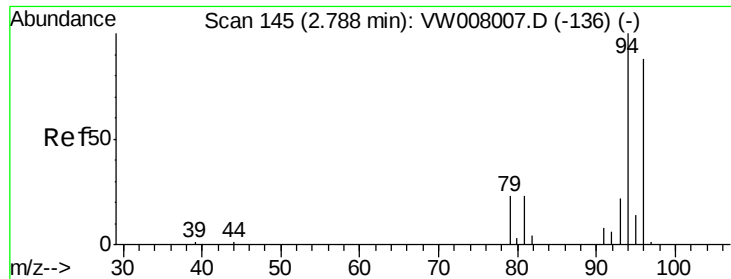
Tgt Ion: 62 Resp: 3024

Ion Ratio Lower Upper

62 100

64 32.9 26.8 40.2





#5

Bromomethane

Concen: 5.011 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC005

Tot Ion: 94 Resp: 1956

Ion Ratio Lower Upper

94 100

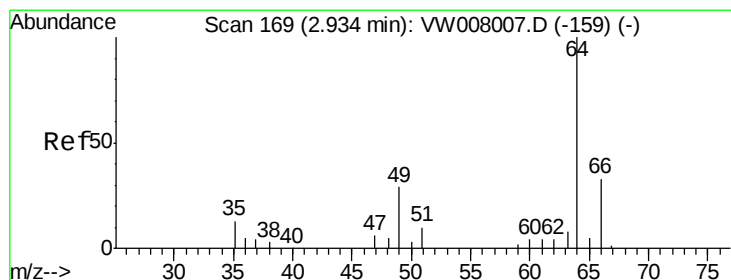
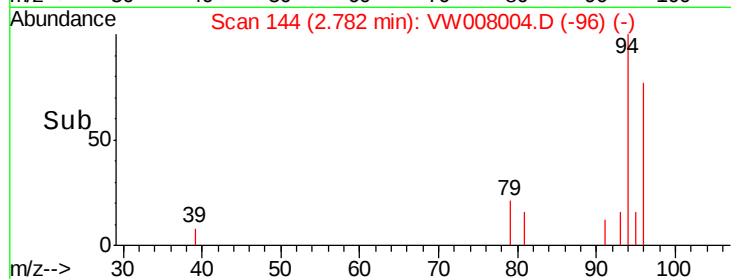
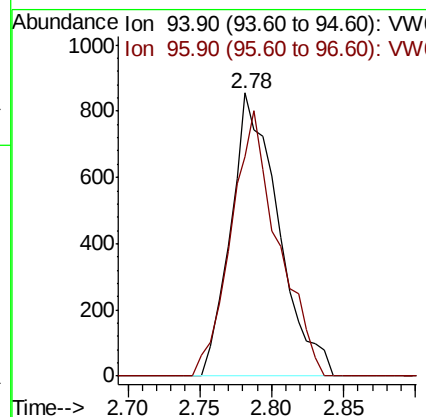
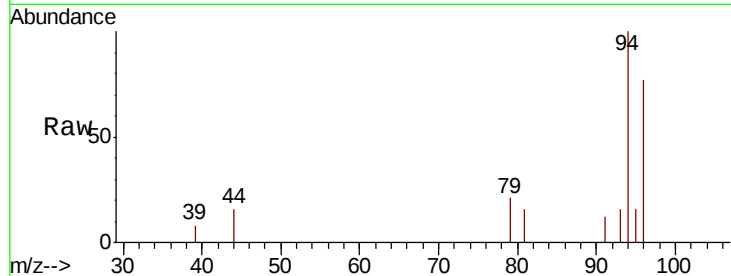
96 77.3 70.7 106.1

Manual Integrations

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1/3/2019 10:55:10 AM



#6

Chloroethane

Concen: 4.701 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW008004.D

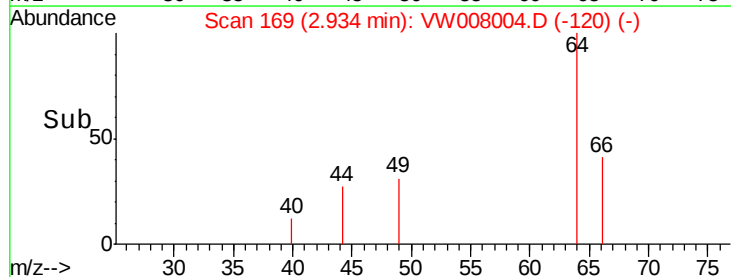
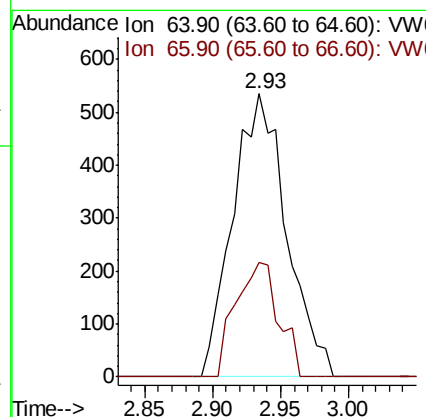
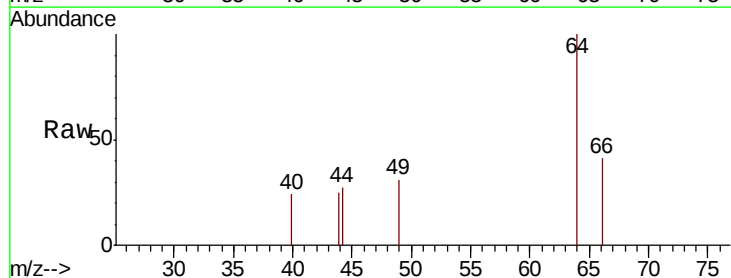
Acq: 02 Jan 2019 12:53

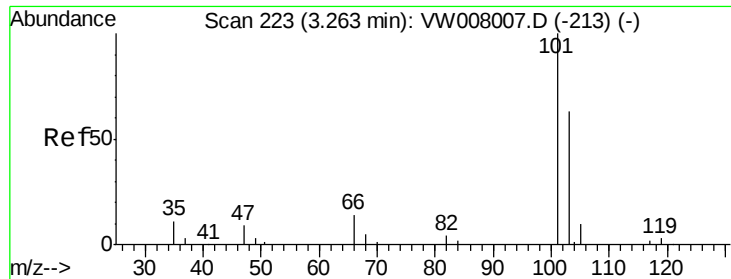
Tgt Ion: 64 Resp: 1476

Ion Ratio Lower Upper

64 100

66 40.6 26.6 39.8#





#7

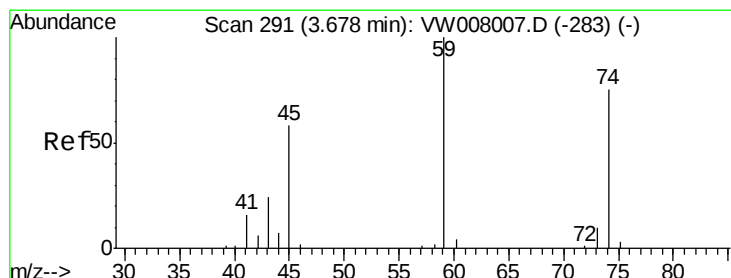
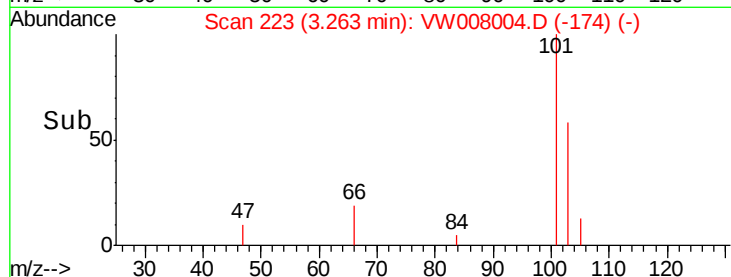
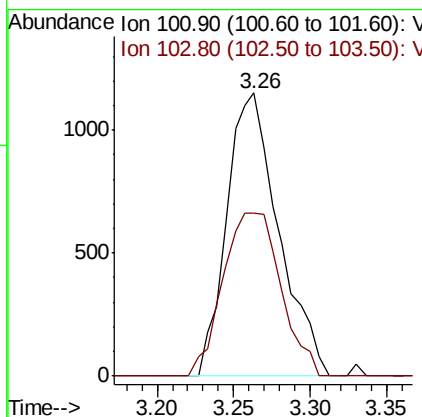
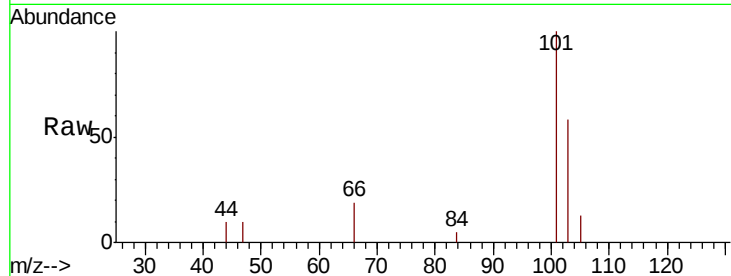
Trichlorofluoromethane
 Concen: 4.394 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.7	50.5	75.7

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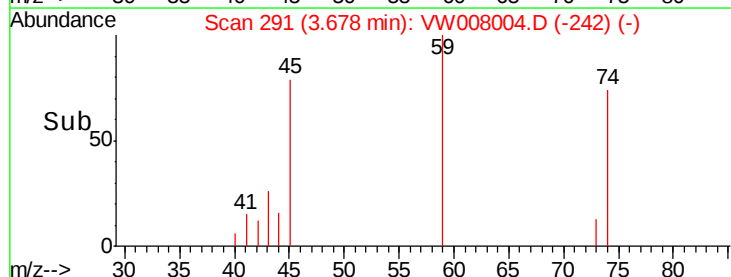
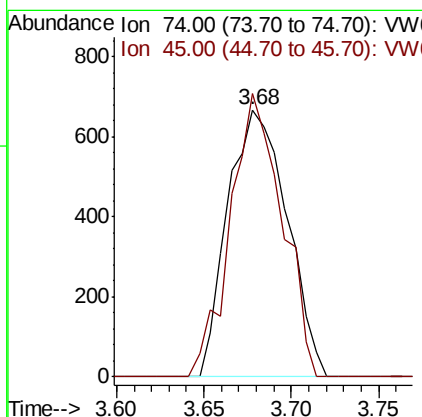
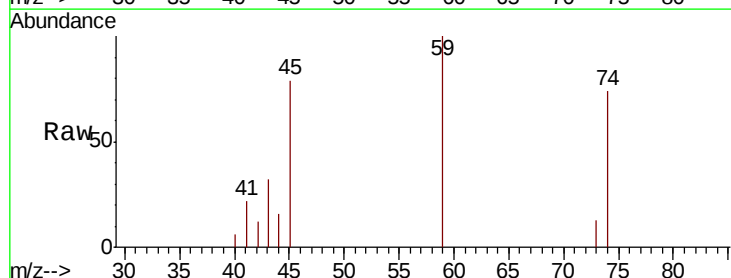
MMDadoda
 1/3/2019 10:55:10 AM

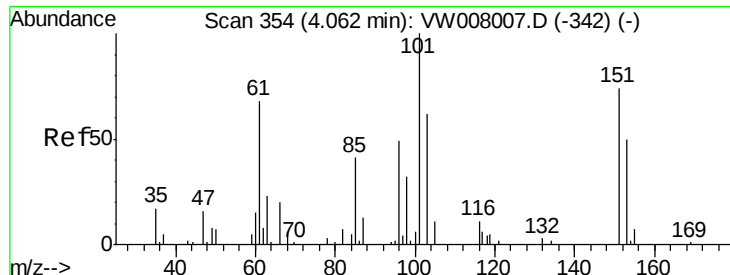


#8

Diethyl Ether
 Concen: 4.957 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.639 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

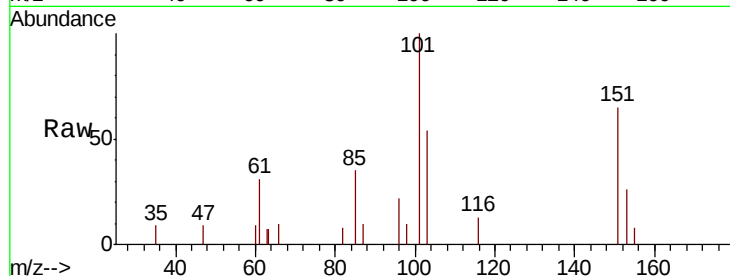
ClientSampled :

VSTDIC005

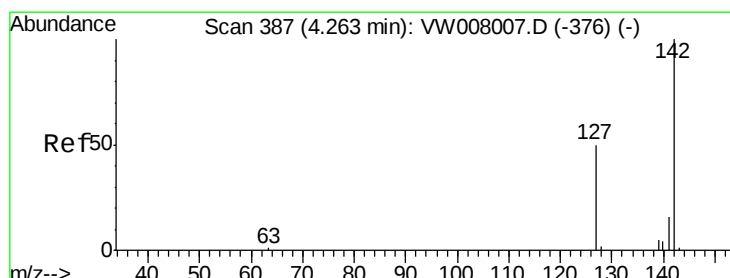
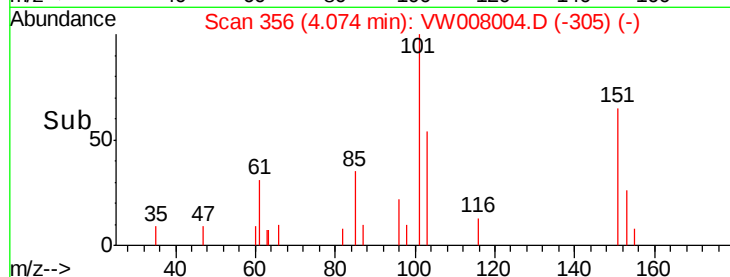
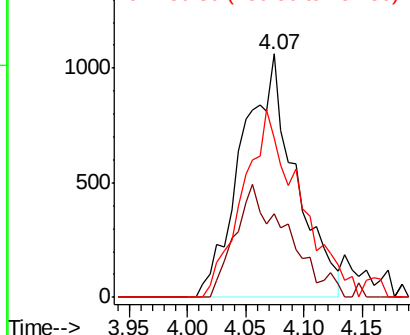
Tot Ion:	101	Resp:	3400
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	82.1	65.3	97.9

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



#10

Methyl Iodide

Concen: 4.849 ug/l

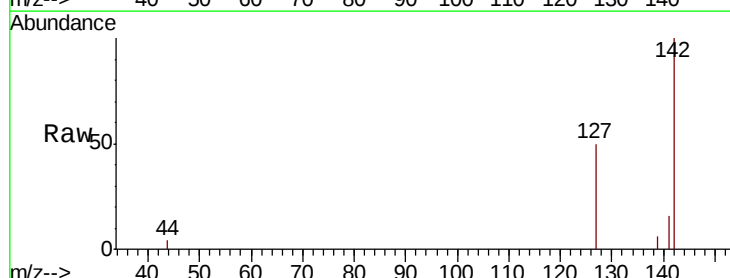
RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

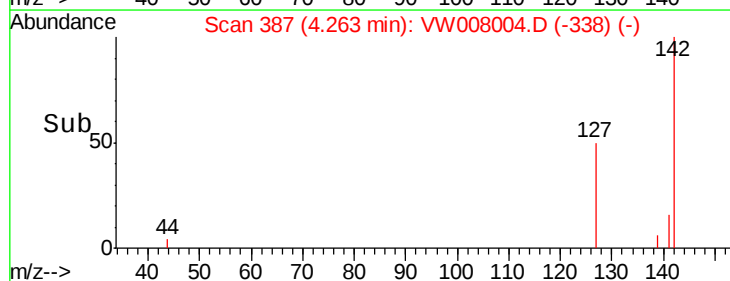
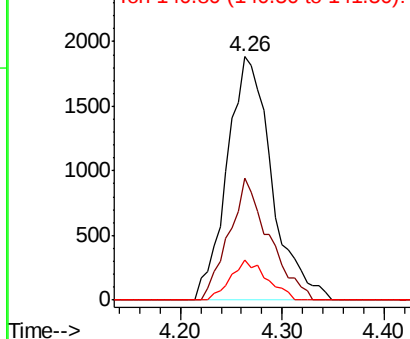
Lab File: VW008004.D

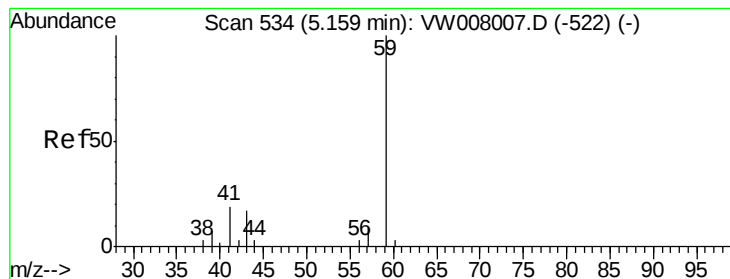
Acq: 02 Jan 2019 12:53

Tgt Ion:	142	Resp:	5717
Ion Ratio	Lower	Upper	
142	100		
127	45.0	39.4	59.0
141	13.3	12.1	18.1



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





#11

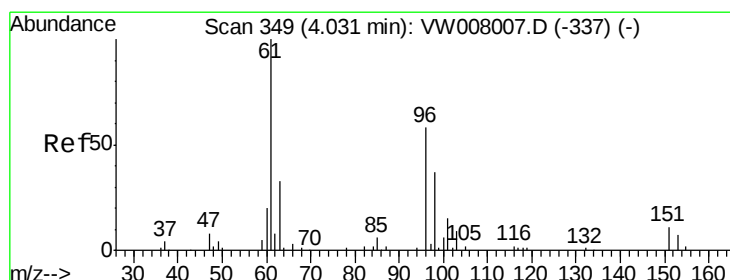
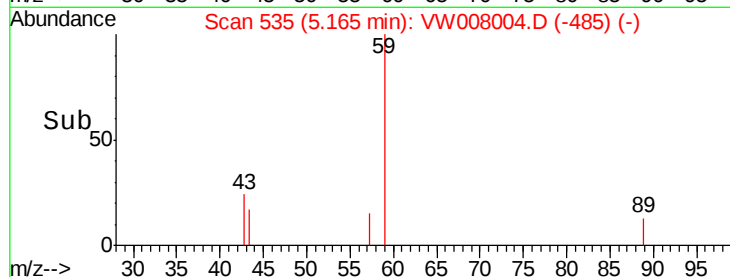
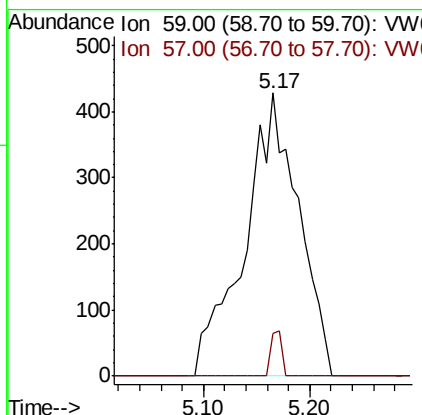
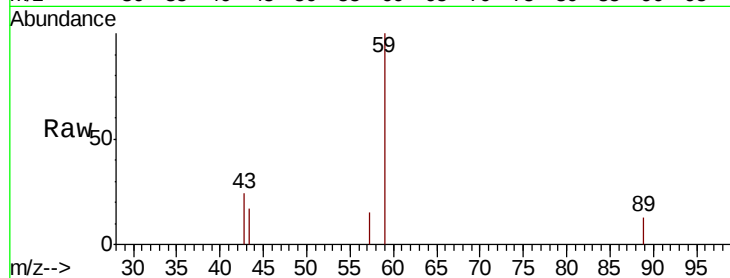
Tert butyl alcohol
Concen: 30.174 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.2	9.0	13.4#

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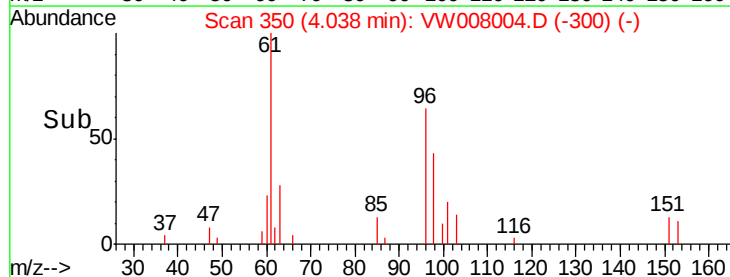
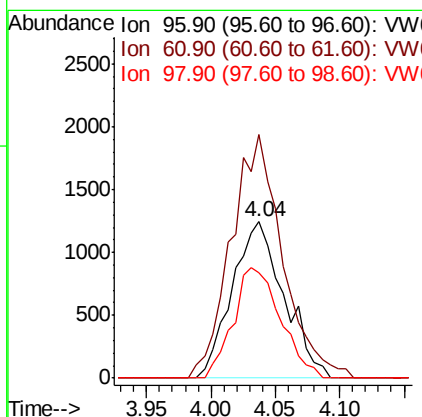
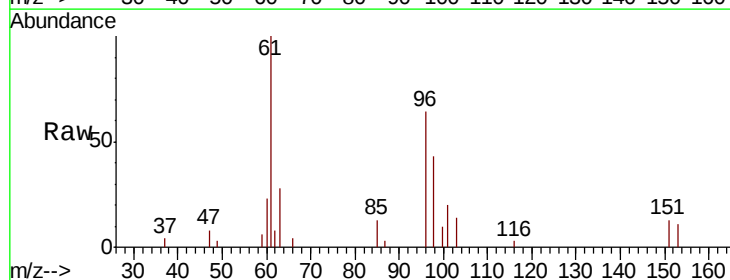
MMDadoda
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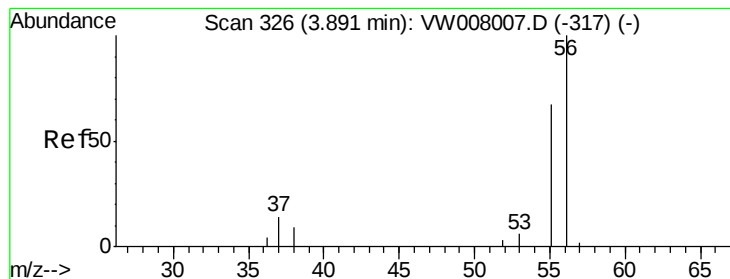


#12

1,1-Dichloroethene
Concen: 4.972 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	137.3	205.9
98	67.8	50.5	75.7





#13

Acrolein

Concen: 23.193 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 789

Ion Ratio Lower Upper

56 100

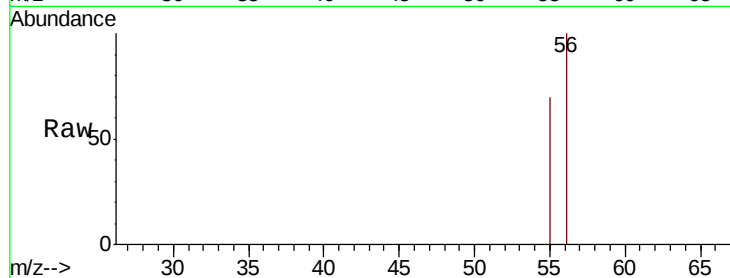
55 84.8 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

400

300

200

100

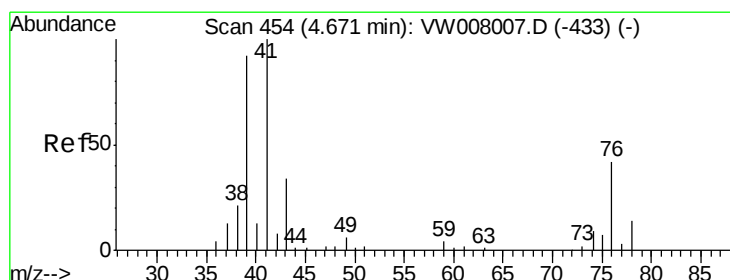
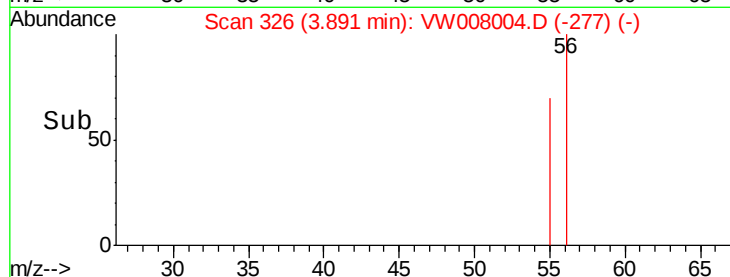
0

3.85

3.90

3.95

Time-->



#14

Allyl chloride

Concen: 4.796 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

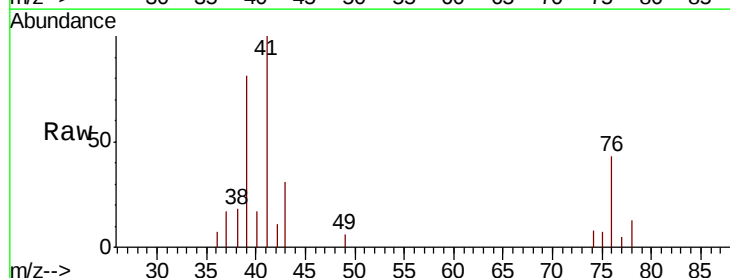
Tgt Ion: 41 Resp: 4558

Ion Ratio Lower Upper

41 100

39 88.6 71.1 106.7

76 41.5 33.4 50.2



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

2000

1500

1000

500

0

4.55

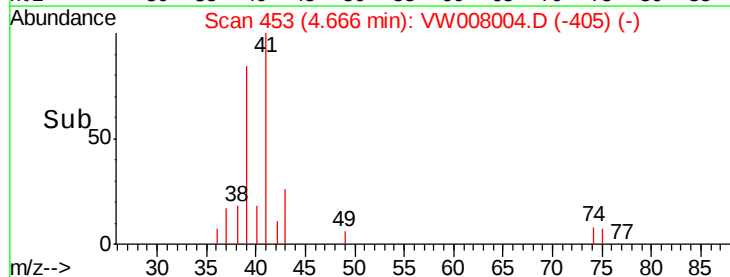
4.60

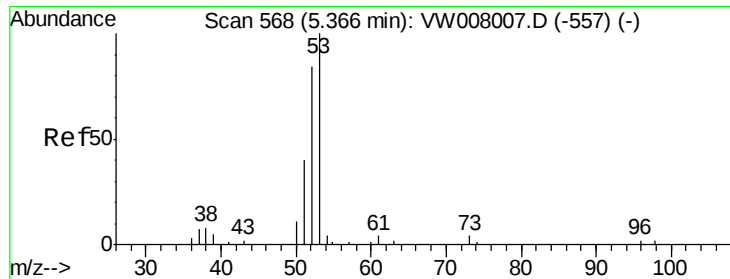
4.65

4.70

4.75

Time-->





#15

Acrylonitrile

Concen: 23.330 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

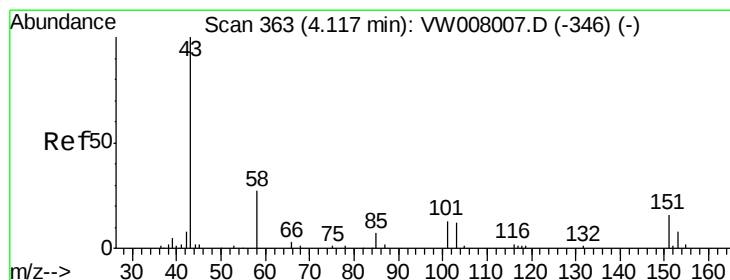
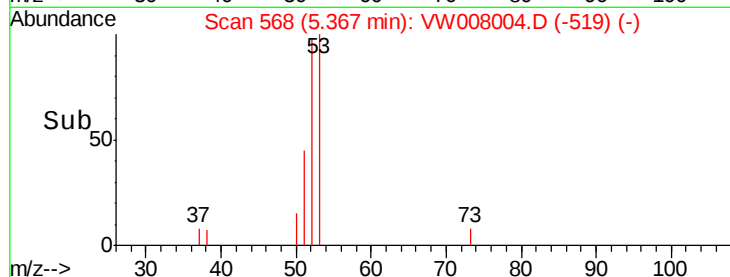
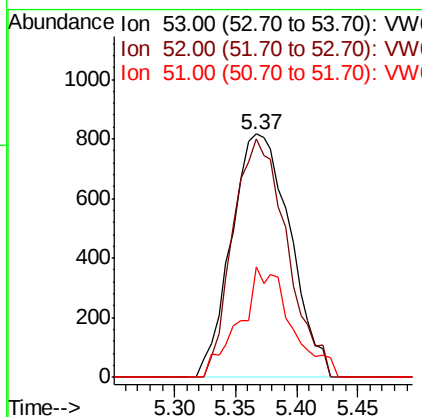
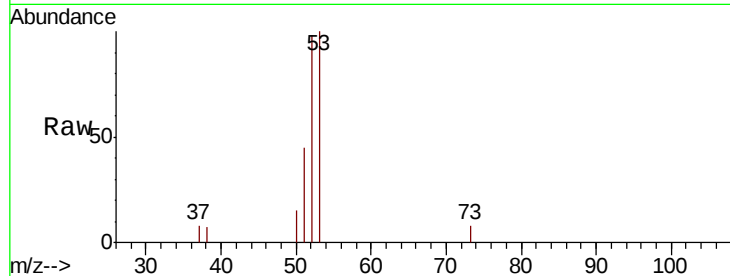
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	2718
Ion	Ratio	Lower	Upper
53	100		
52	90.1	67.8	101.8
51	39.7	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 26.607 ug/l

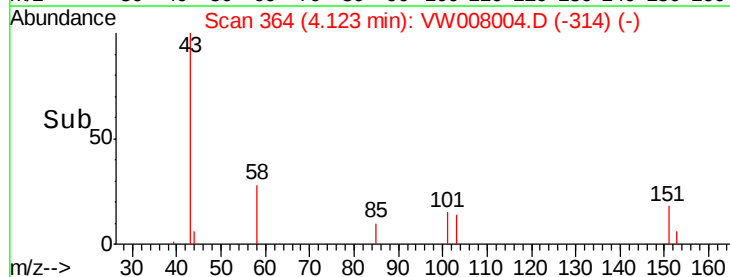
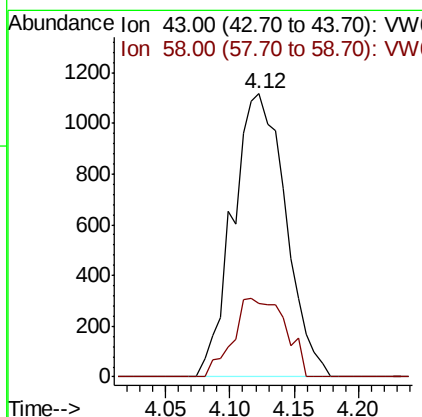
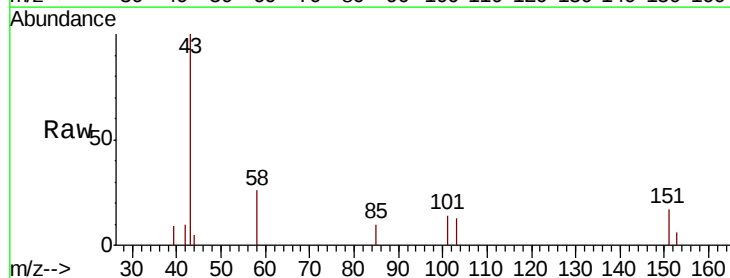
RT: 4.12 min Scan# 364

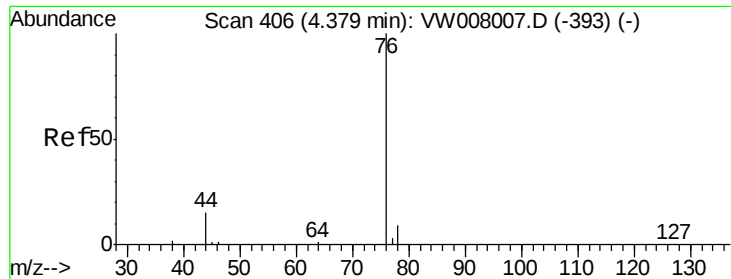
Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion:	43	Resp:	3183
Ion	Ratio	Lower	Upper
43	100		
58	25.8	21.7	32.5





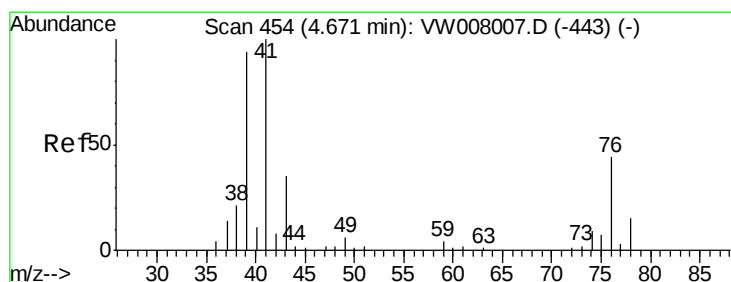
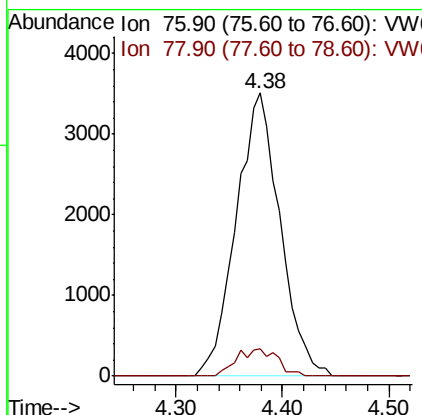
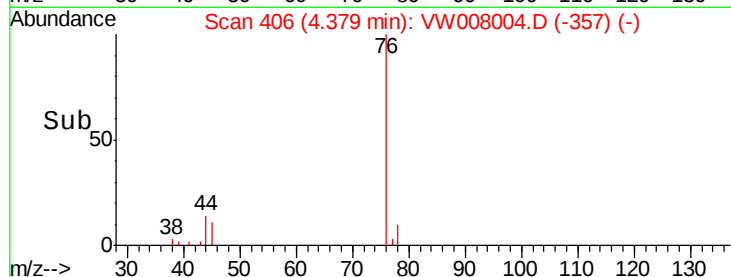
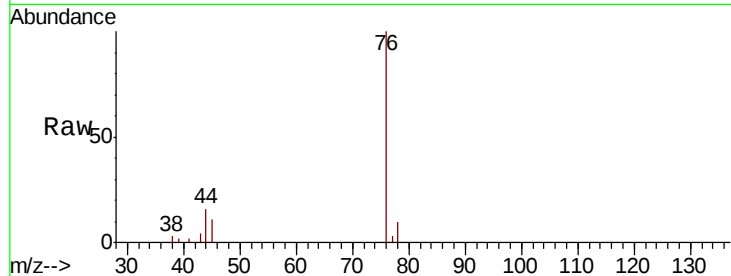
#17
Carbon Disulfide
Concen: 4.726 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

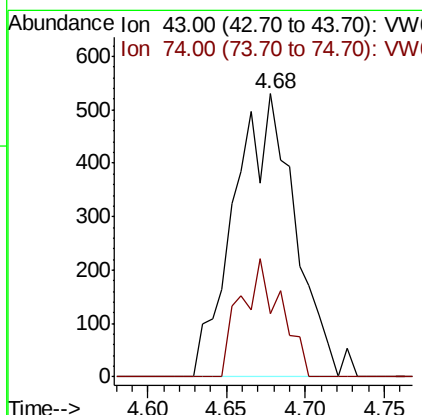
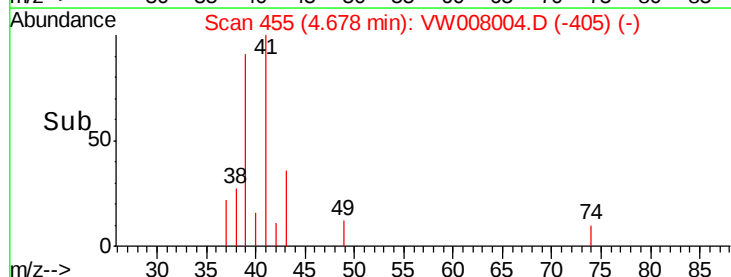
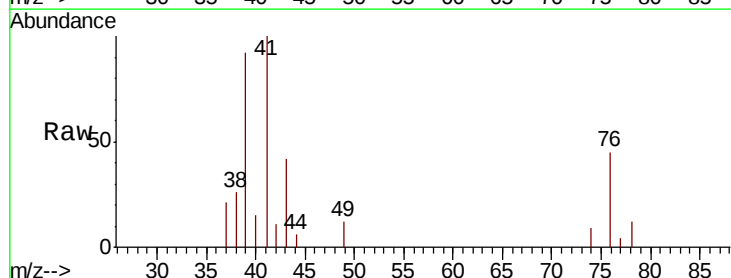
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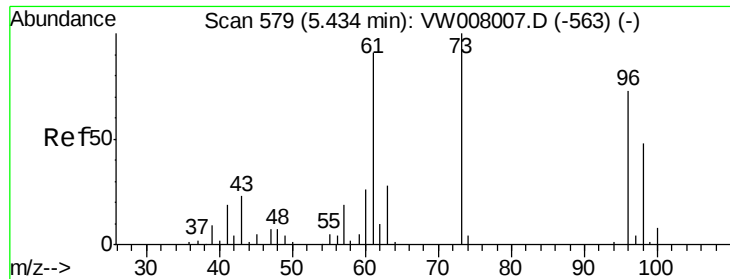
MMDadoda
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#18
Methyl Acetate
Concen: 4.516 ug/l m
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.4	32.2





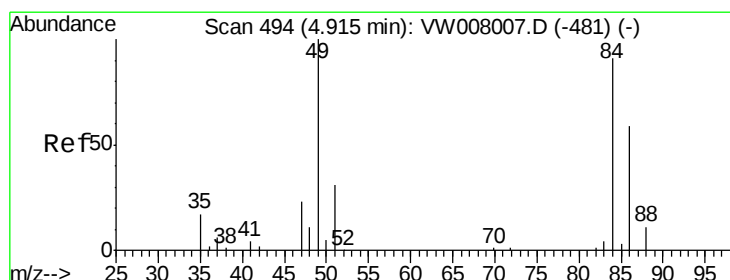
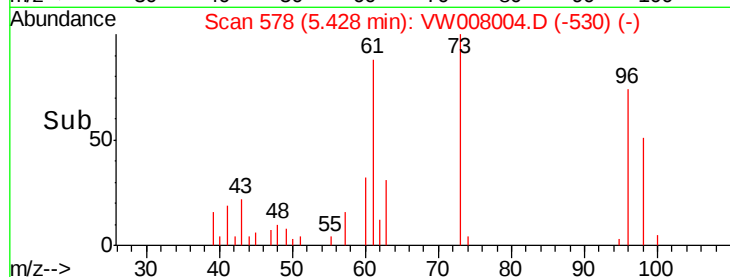
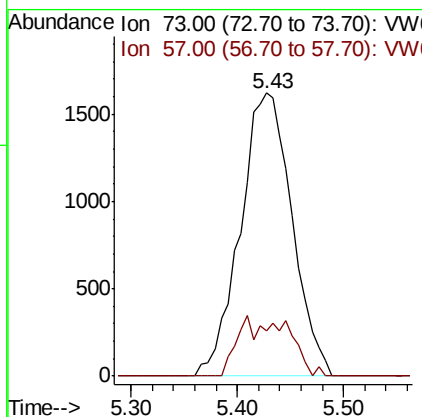
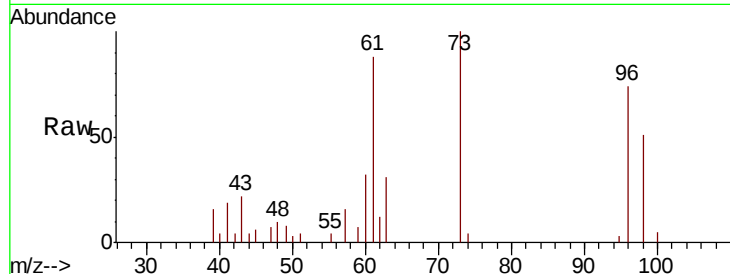
#19
Methvl tert-butvl Ether
Concen: 4.987 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 5506
Ion Ratio Lower Upper
73 100
57 15.9 15.4 23.0

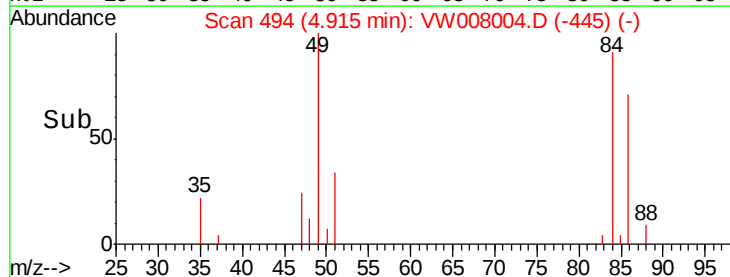
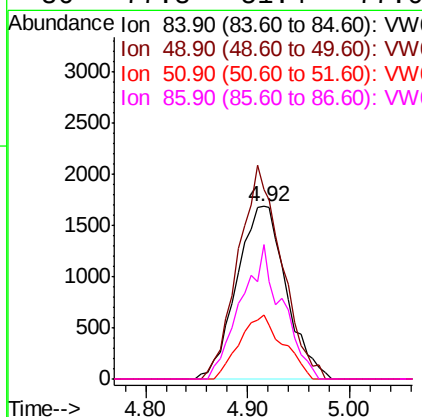
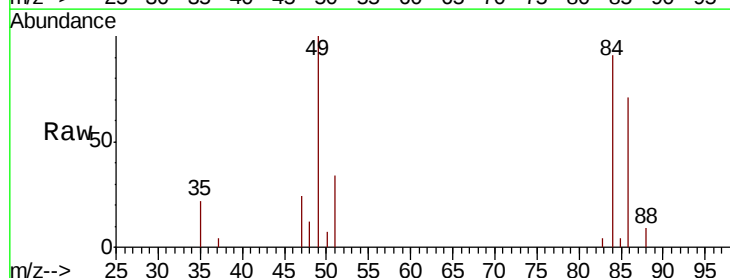
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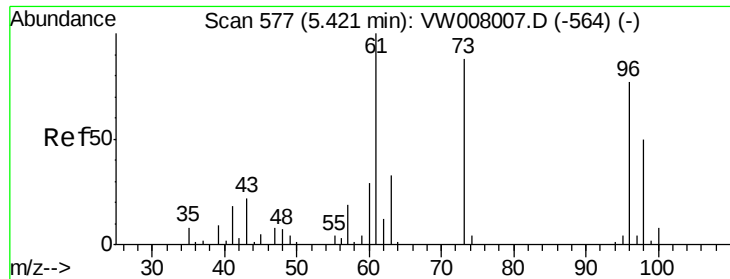
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#20
Methylene Chloride
Concen: 6.856 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion: 84 Resp: 5657
Ion Ratio Lower Upper
84 100
49 109.9 87.7 131.5
51 37.5 27.3 40.9
86 77.8 51.4 77.0#





#21

trans-1,2-Dichloroethene

Concen: 5.119 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

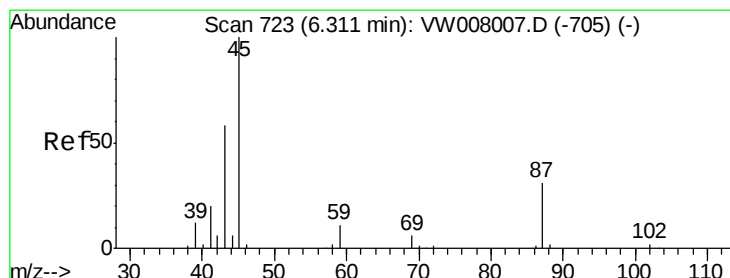
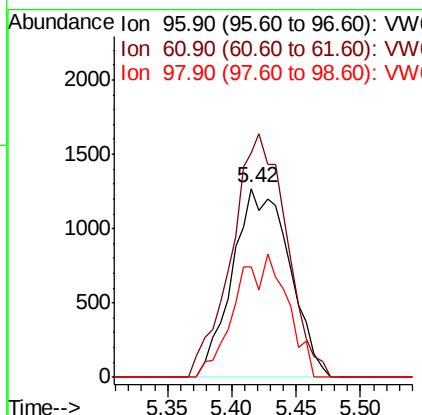
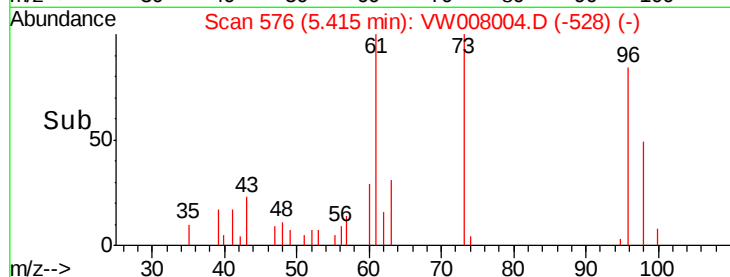
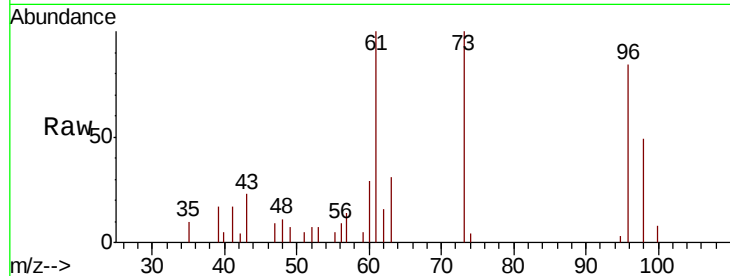
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	3907
Ion	Ratio	Lower	Upper
96	100		
61	118.9	104.2	156.2
98	58.3	51.8	77.6

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#22

Diisopropyl ether

Concen: 4.778 ug/l

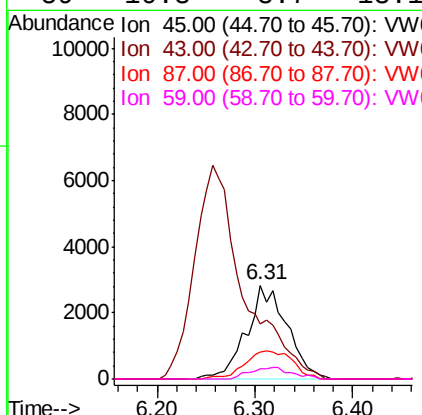
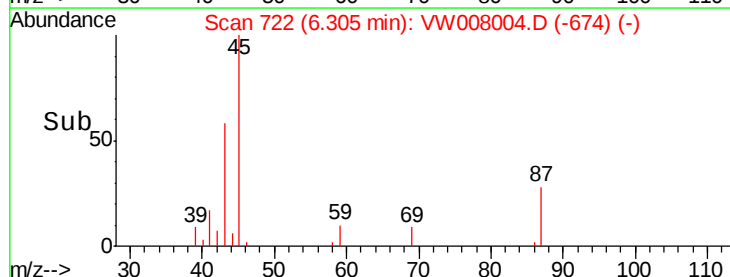
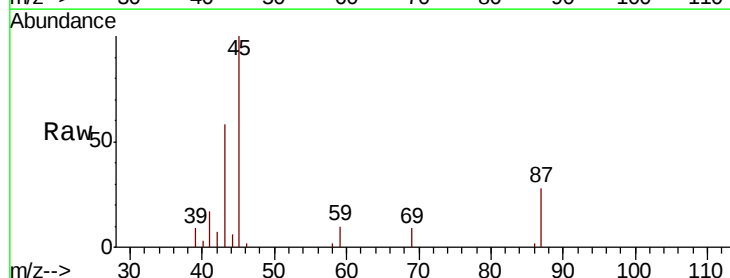
RT: 6.31 min Scan# 722

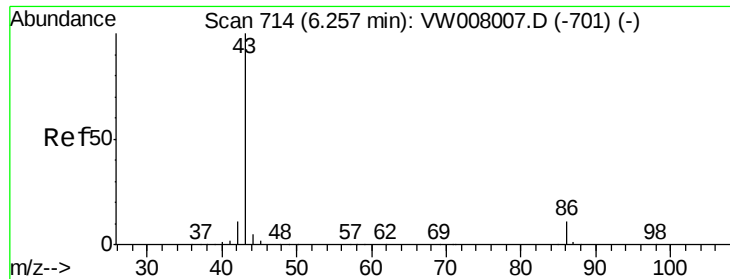
Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion:	45	Resp:	8150
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.1	72.1
87	28.1	25.8	38.8
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 23.447 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 22378

Ion Ratio Lower Upper

43 100

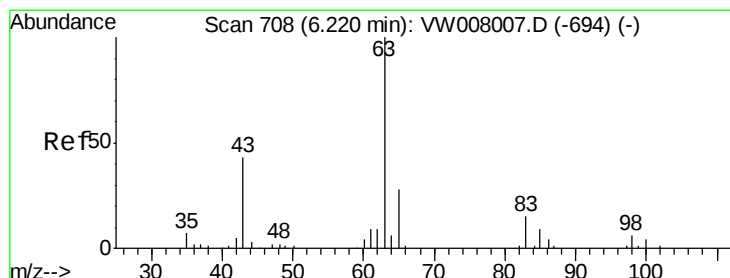
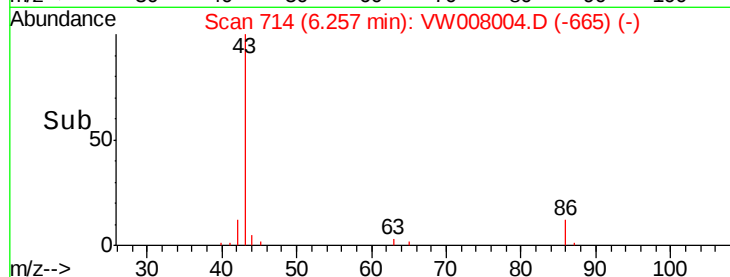
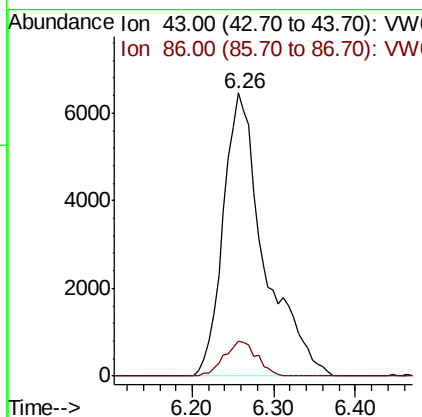
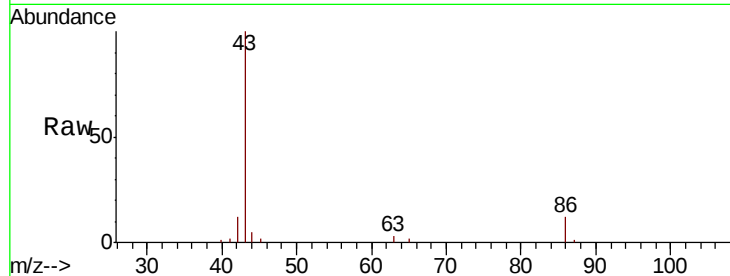
86 12.2 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 4.874 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

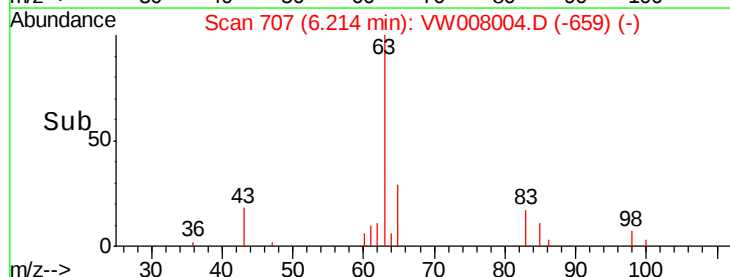
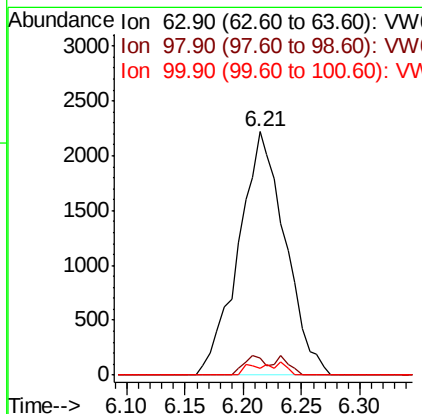
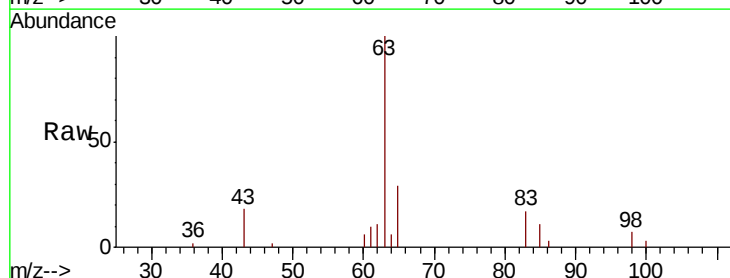
Tgt Ion: 63 Resp: 6177

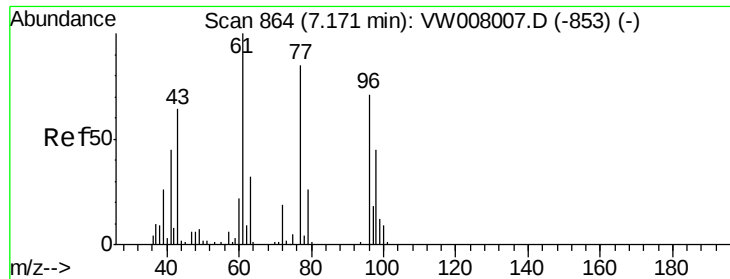
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 2.8 2.1 6.2





#25

2-Butanone

Concen: 25.513 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 3596

Ion Ratio Lower Upper

43 100

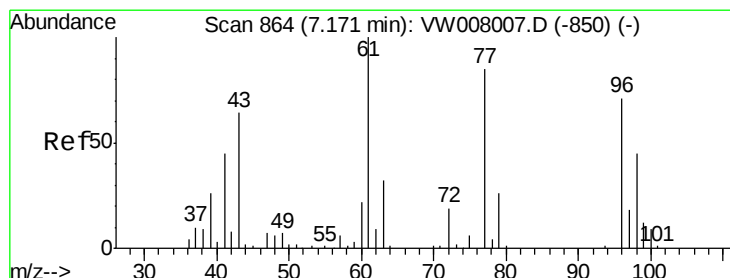
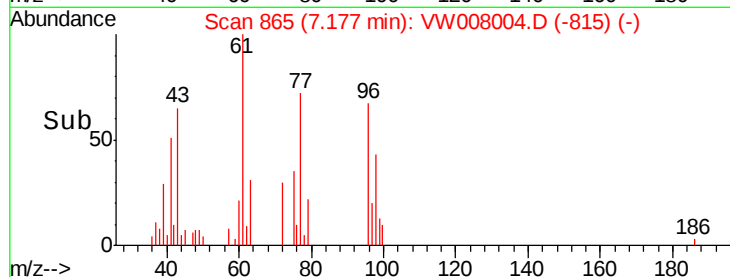
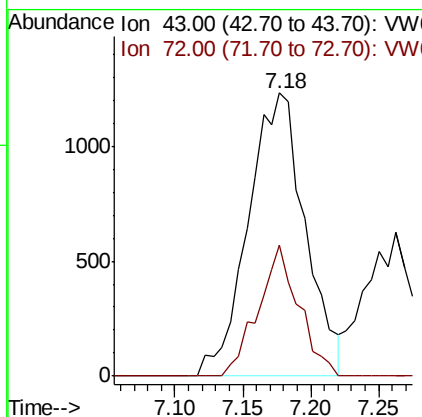
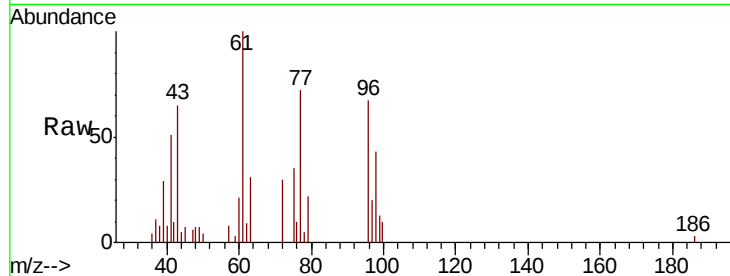
72 46.5 23.8 35.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.117 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008004.D

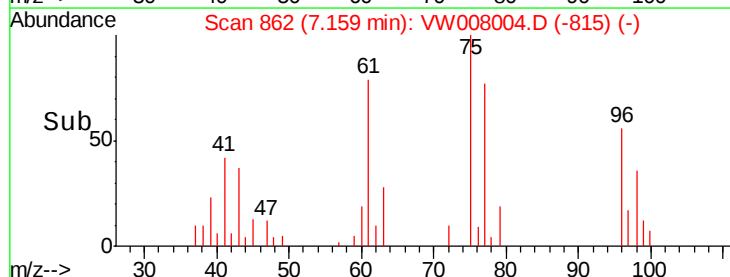
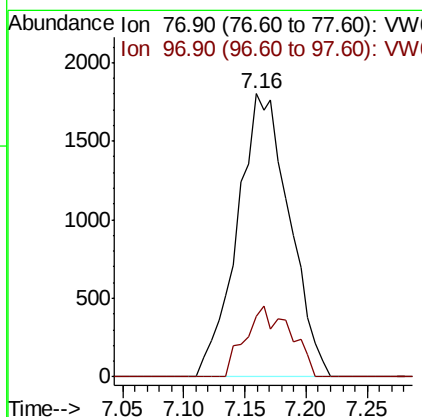
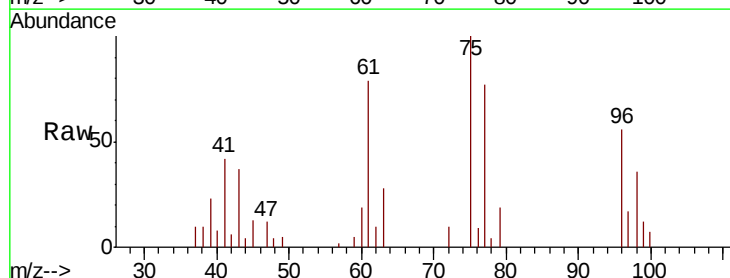
Acq: 02 Jan 2019 12:53

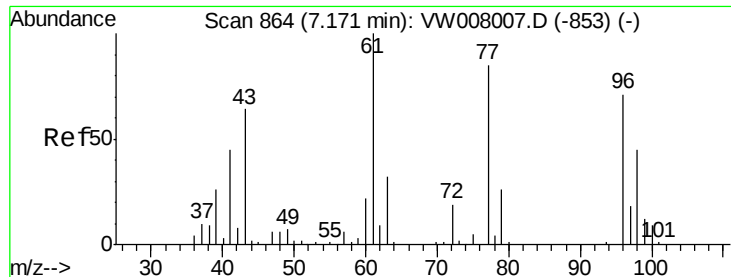
Tgt Ion: 77 Resp: 5343

Ion Ratio Lower Upper

77 100

97 21.6 11.0 33.0





#27

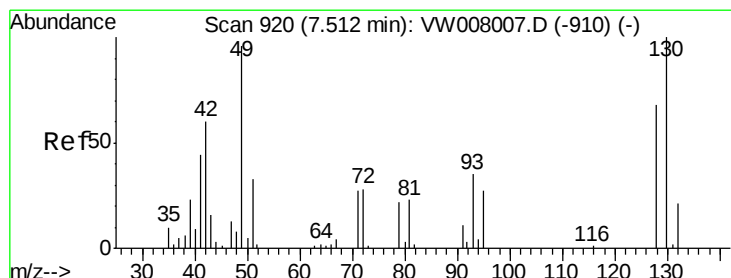
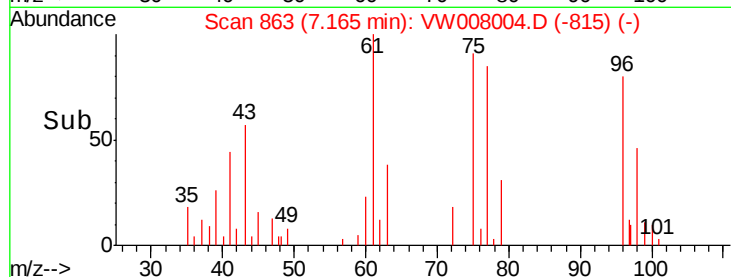
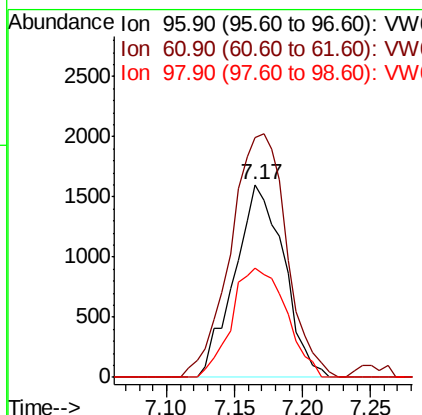
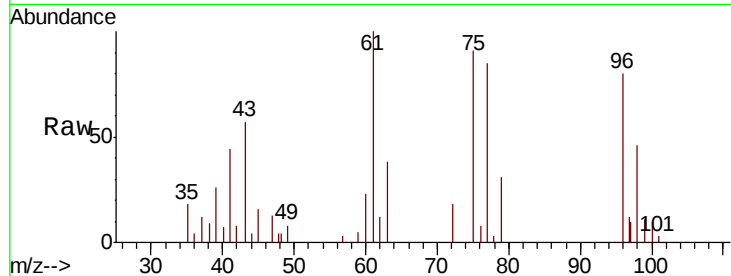
cis-1,2-Dichloroethene
Concen: 4.989 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	286.4
98	62.5	0.0	130.6

Manual Integrations
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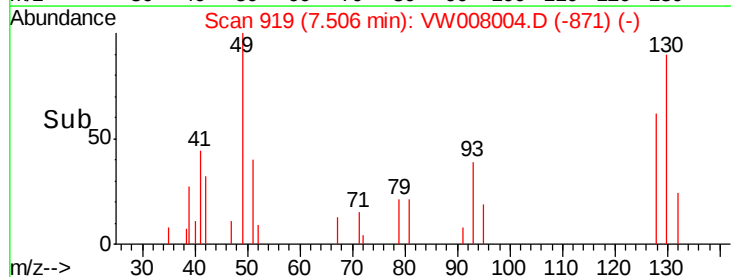
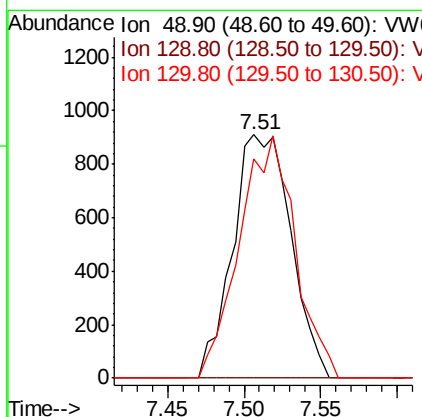
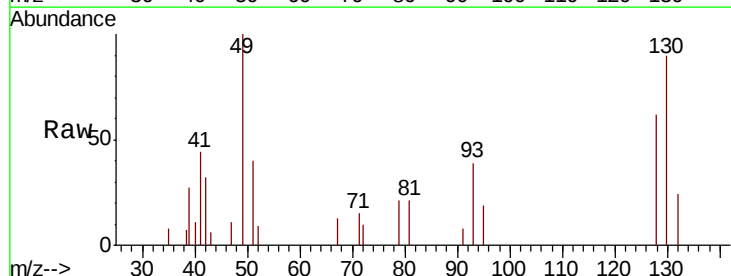
MMDadoda
1/3/2019 10:55:10 AM

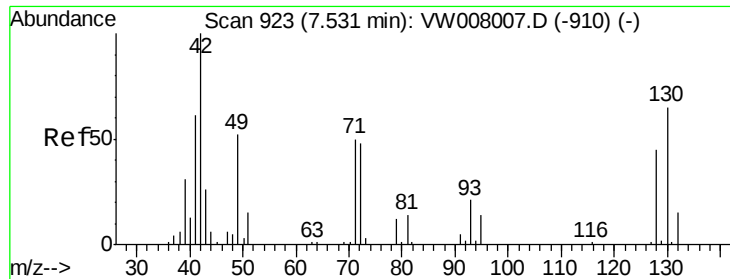


#28

Bromochloromethane
Concen: 5.918 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.8
130	95.1	78.5	117.7





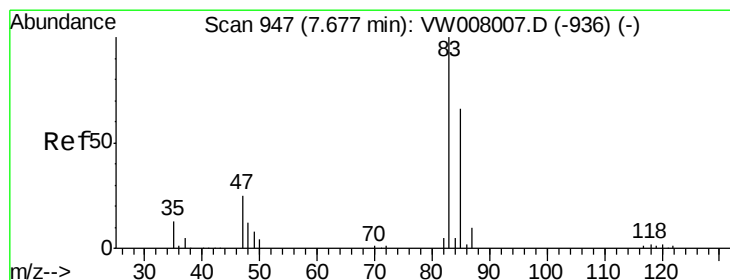
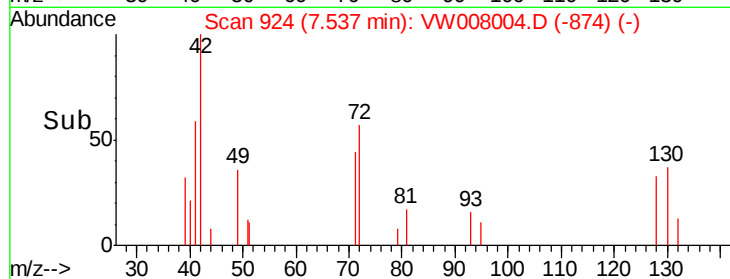
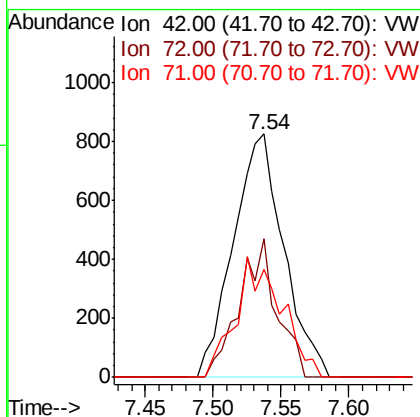
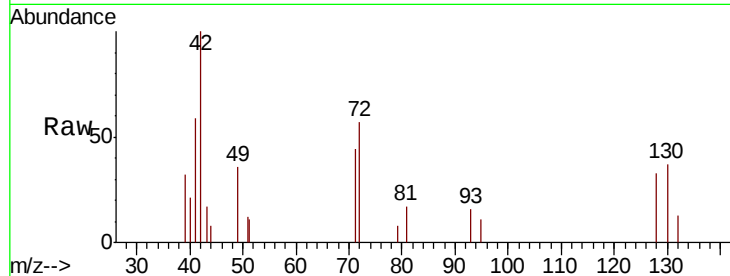
#29
Tetrahydrofuran
Concen: 24.420 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	39.0	58.6
71	44.9	39.1	58.7

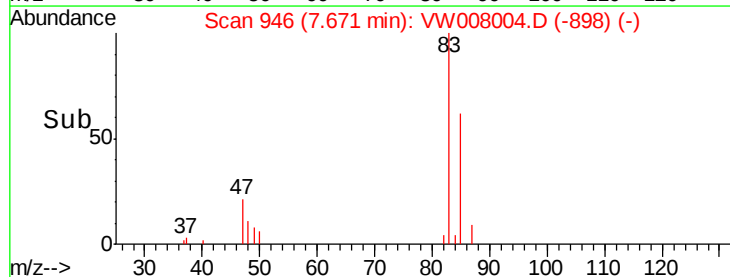
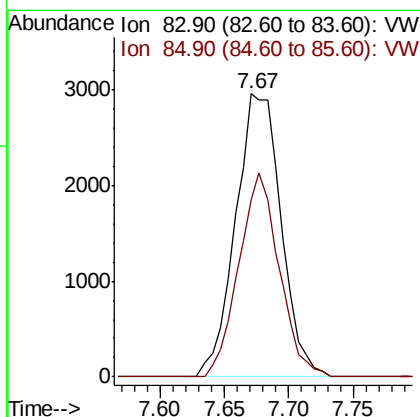
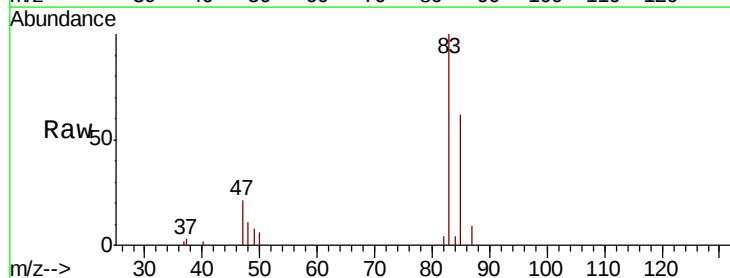
Manual Integrations
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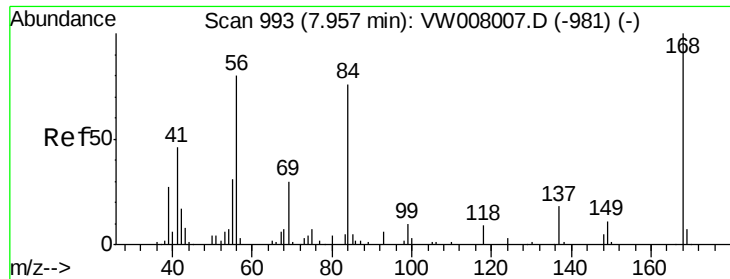
MMDadoda
1/3/2019 10:55:10 AM



#30
Chloroform
Concen: 5.097 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.7	79.1





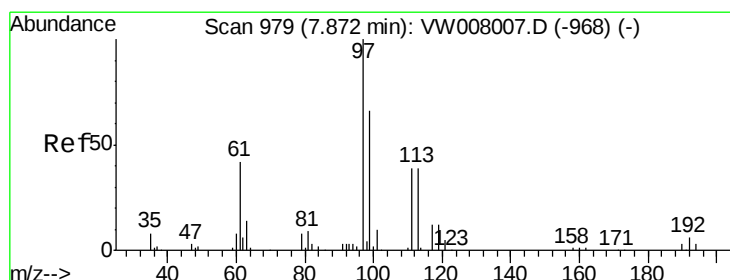
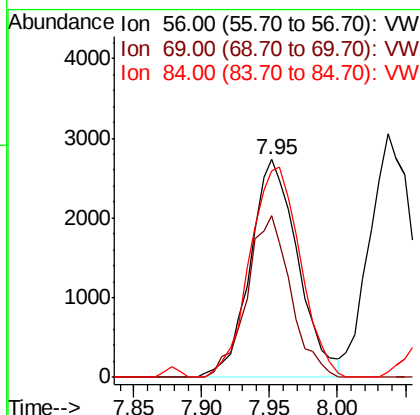
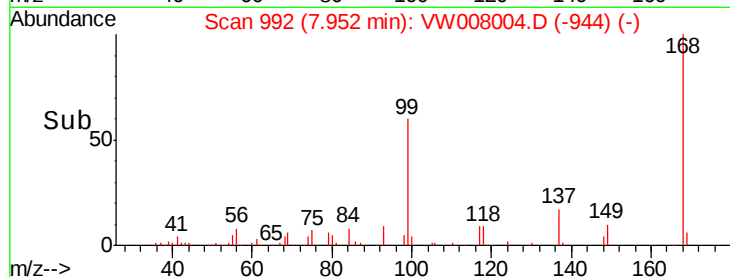
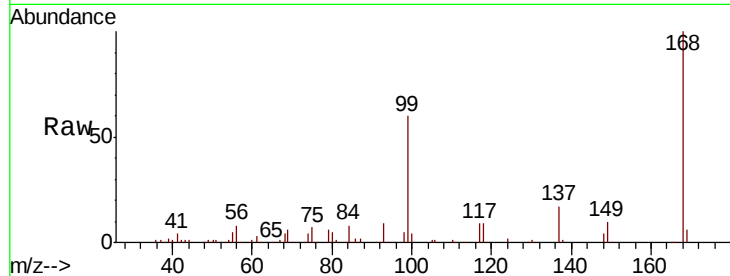
#31
Cyclohexane
Concen: 5.689 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	74.3	29.8	44.6#
84	94.8	75.2	112.8

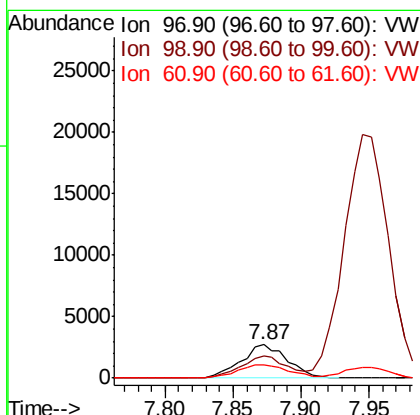
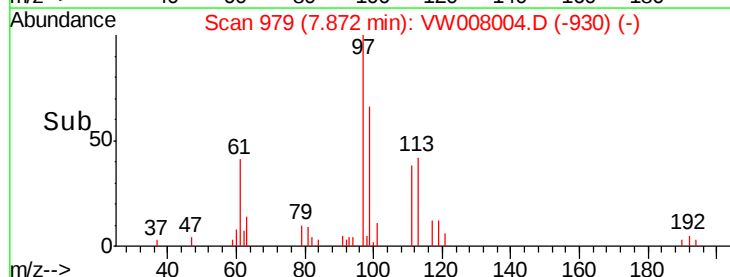
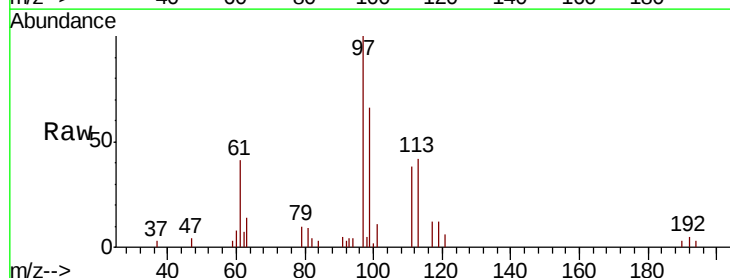
Manual Integrations
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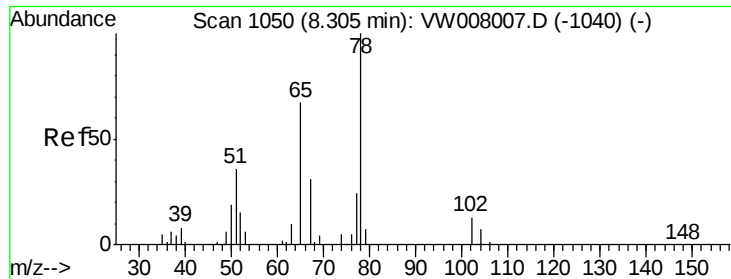
MMDadoda
1/3/2019 10:55:10 AM



#32
1,1,1-Trichloroethane
Concen: 4.763 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	44.2	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 5.388 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 65 Resp: 4164

Ion Ratio Lower Upper

65 100

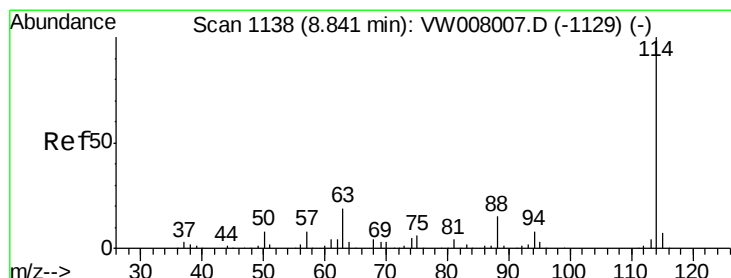
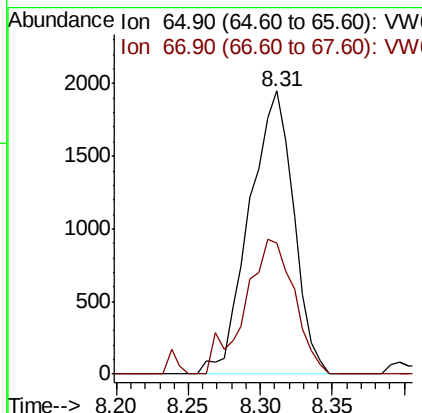
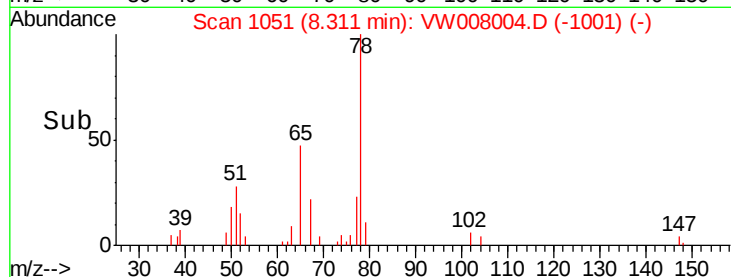
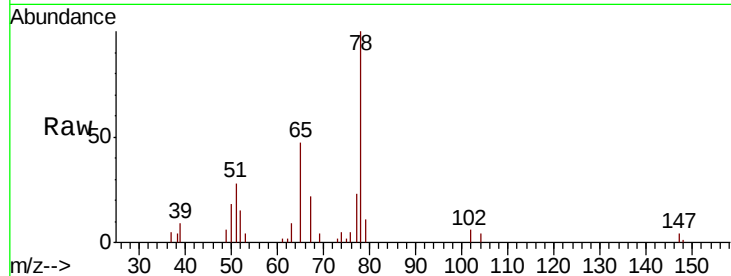
67 53.1 0.0 94.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

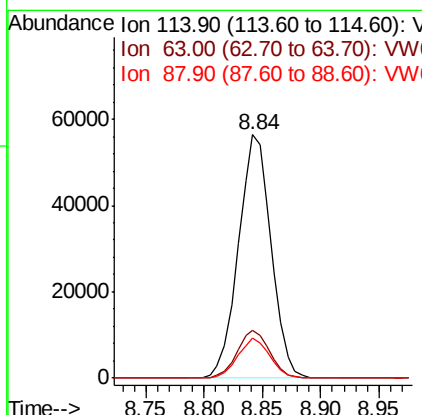
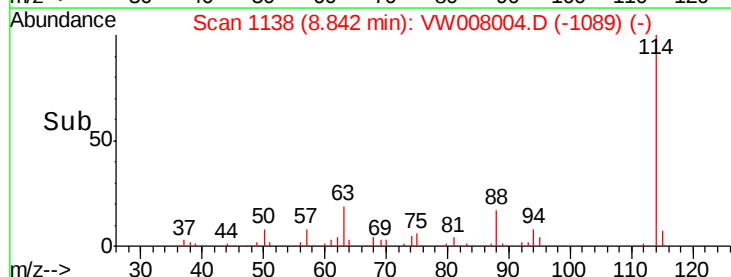
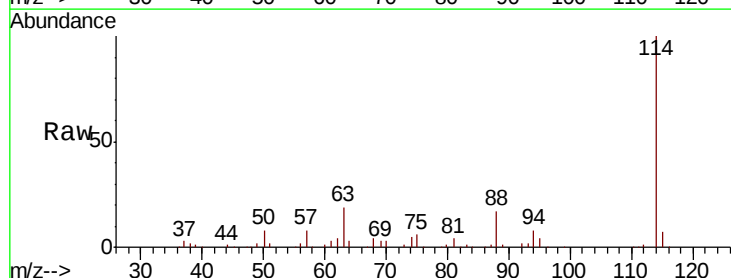
Tgt Ion: 114 Resp: 110183

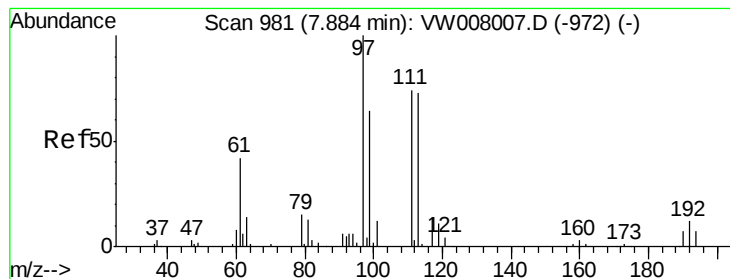
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.8

88 16.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 5.384 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

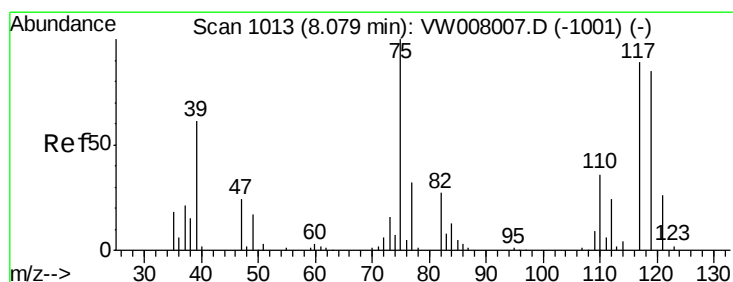
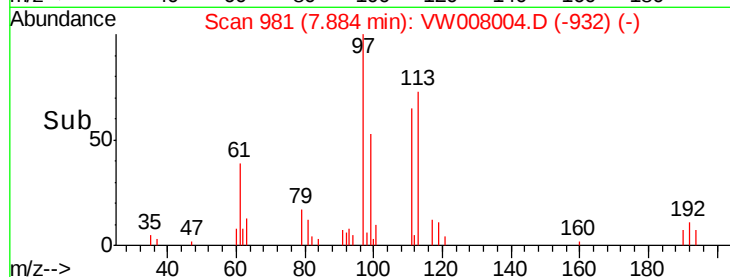
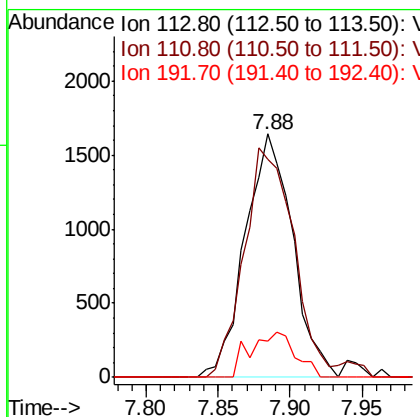
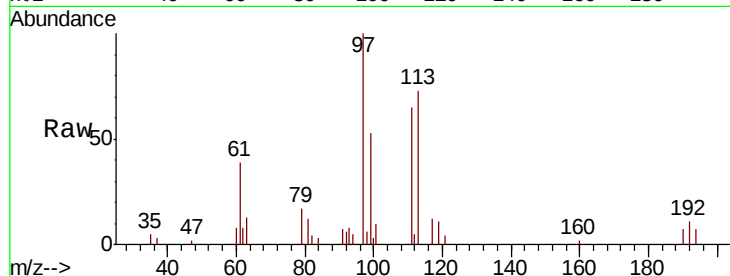
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	3740
Ion	Ratio	Lower	Upper
113	100		
111	99.1	81.4	122.0
192	17.6	14.8	22.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 4.825 ug/l

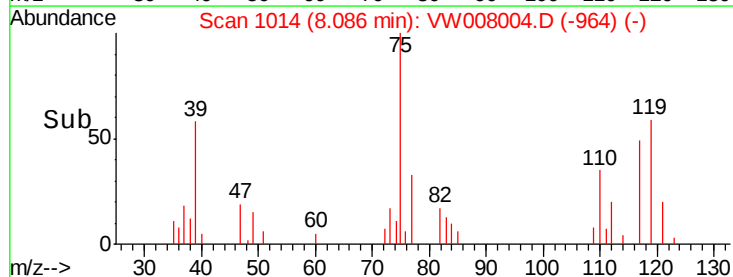
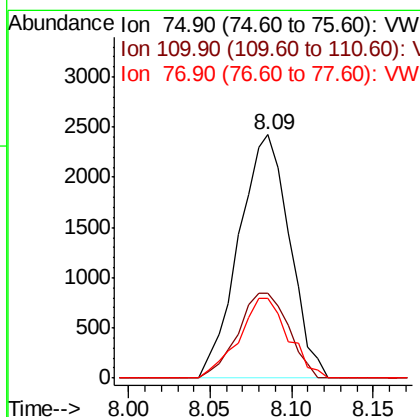
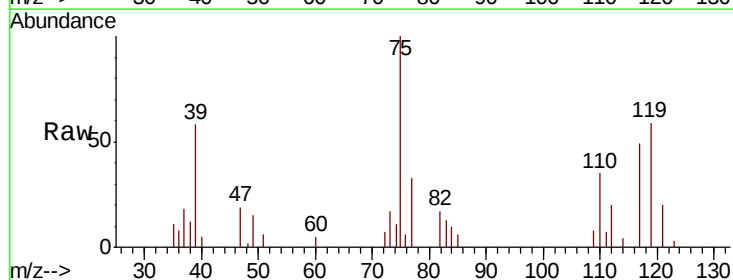
RT: 8.09 min Scan# 1014

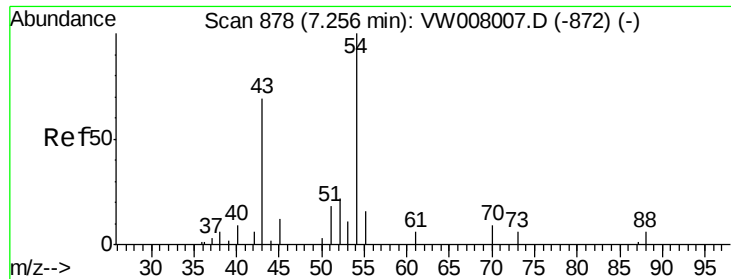
Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion:	75	Resp:	5244
Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.1	54.3
77	32.0	25.3	37.9





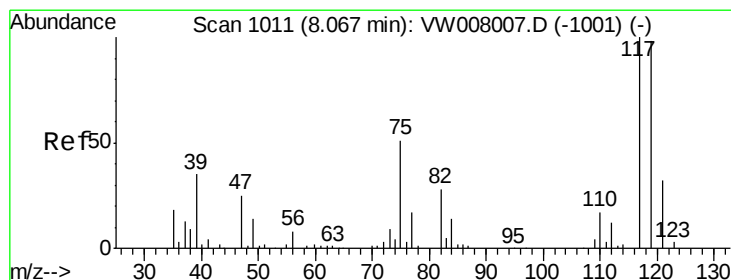
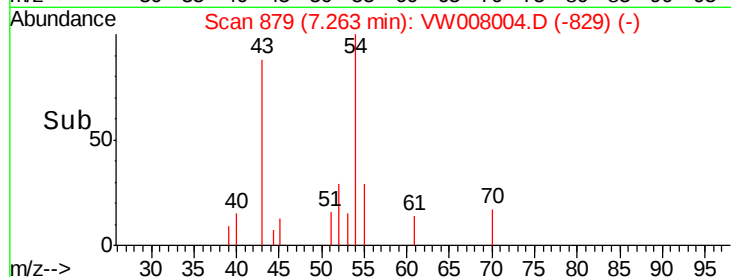
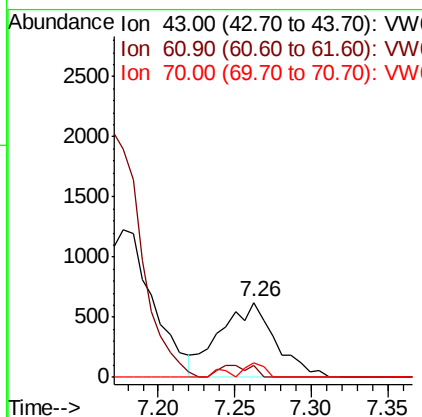
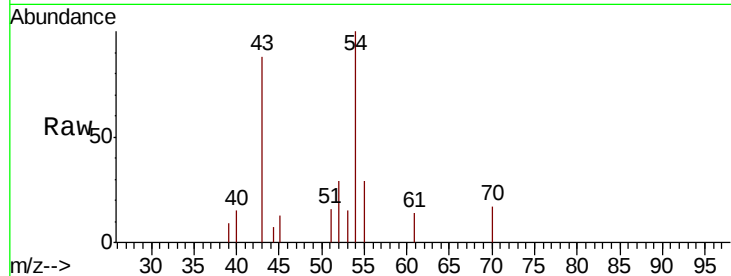
#37
Ethyl Acetate
Concen: 4.797 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	9.5	9.4	14.0

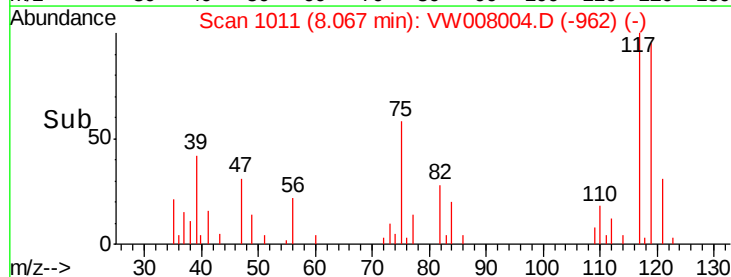
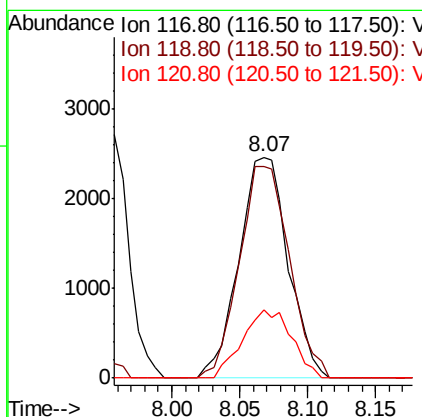
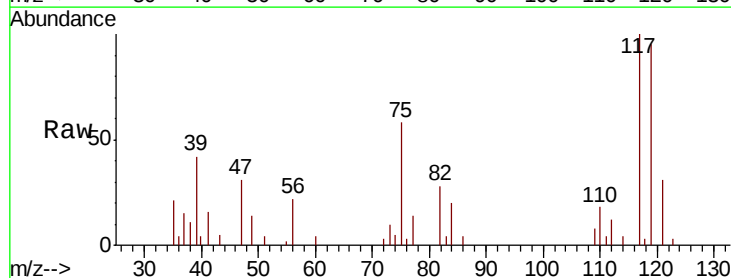
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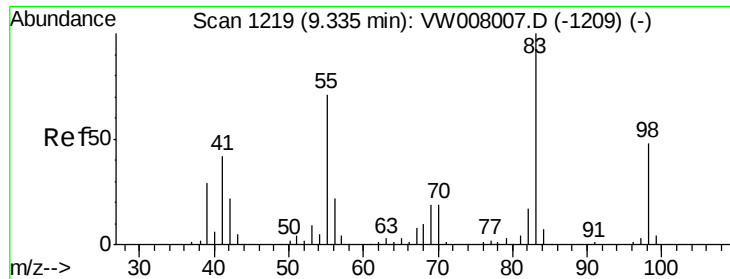
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.773 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	78.7	118.1
121	30.8	25.8	38.8





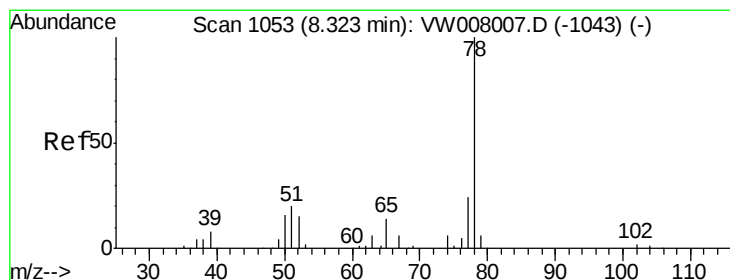
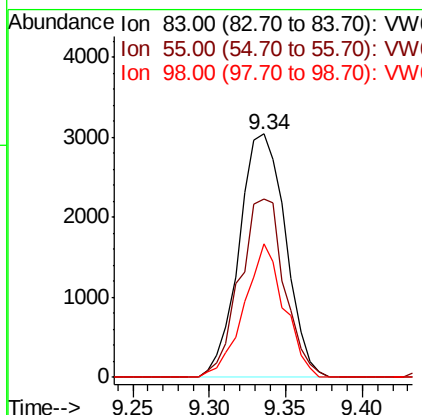
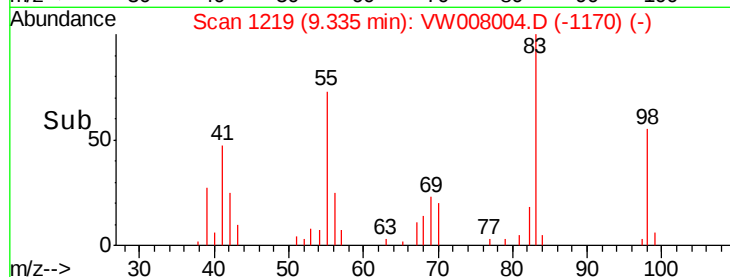
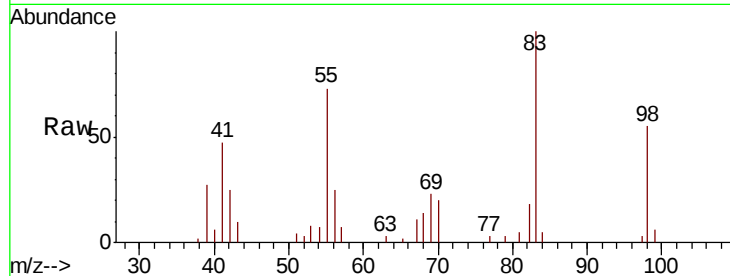
#39
Methvlcvclohexane
Concen: 4.734 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	56.8	85.2
98	54.7	38.6	58.0

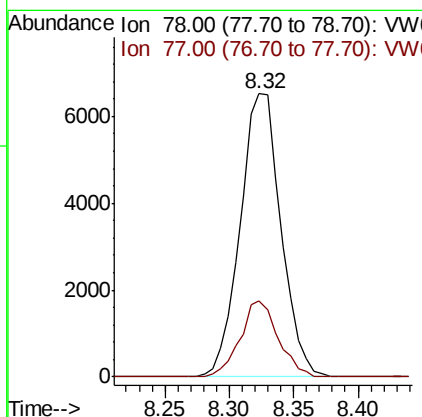
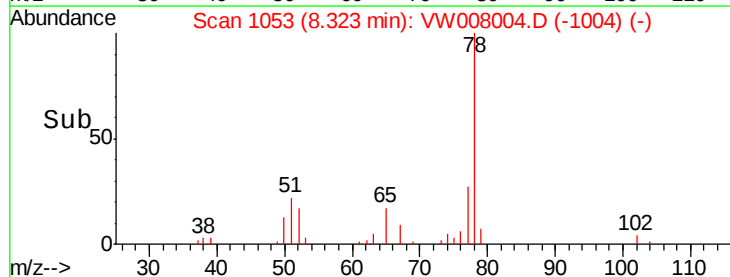
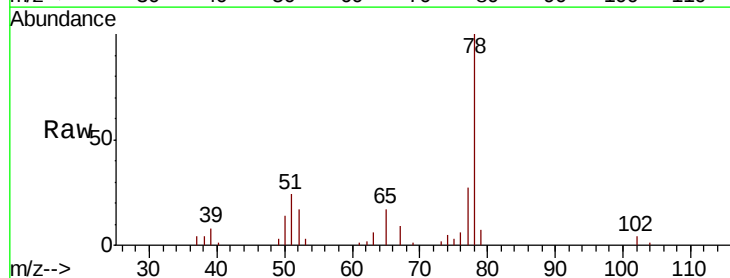
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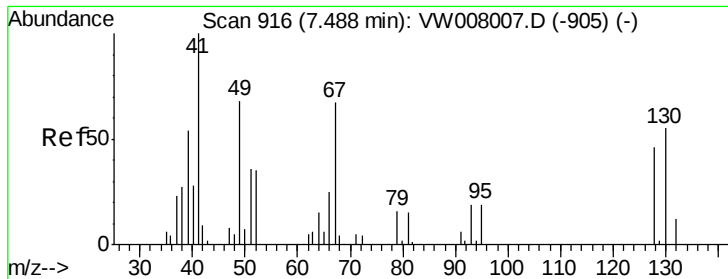
MMDadoda
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#40
Benzene
Concen: 4.972 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.6





#41

Methacrylonitrile

Concen: 4.091 ug/l m

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 41 Resp: 823

Ion Ratio Lower Upper

41 100

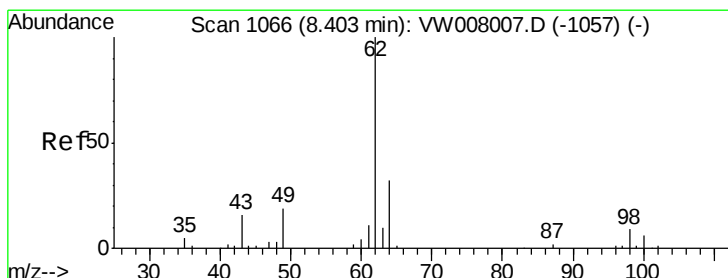
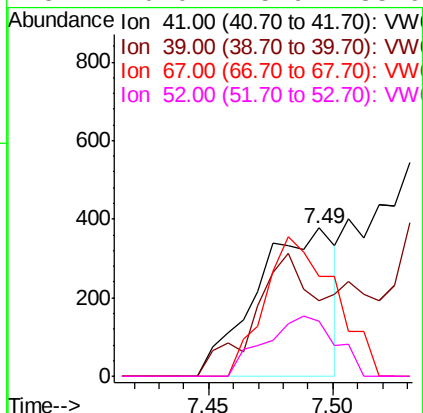
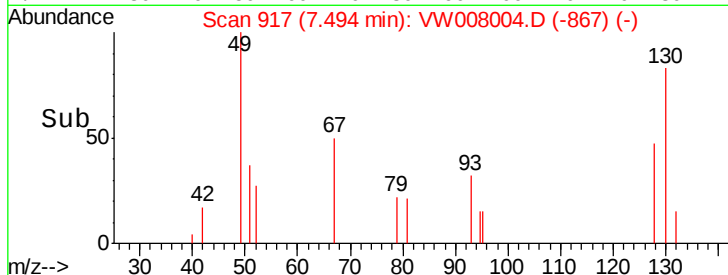
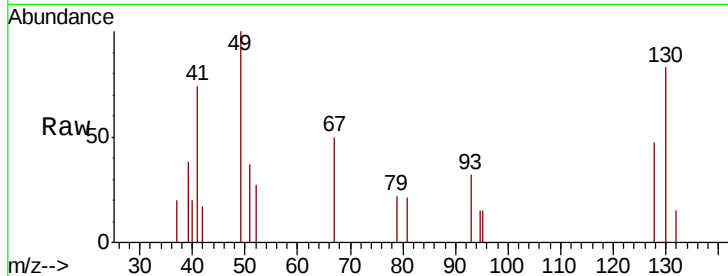
39 75.2 48.6 72.8#

67 0.0 55.6 83.4#

52 0.0 25.9 38.9#

Manual Integrations
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1/3/2019 10:55:10 AM



#42

1,2-Dichloroethane

Concen: 4.975 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008004.D

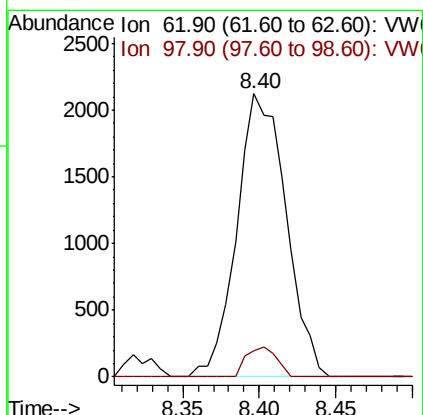
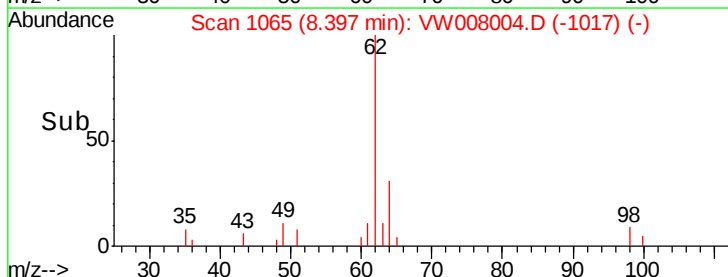
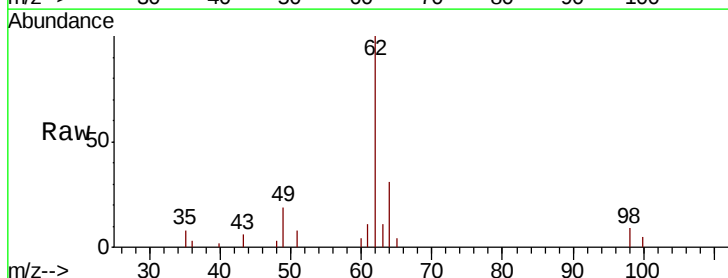
Acq: 02 Jan 2019 12:53

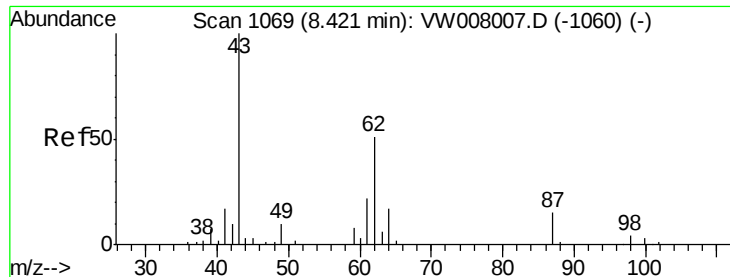
Tgt Ion: 62 Resp: 4753

Ion Ratio Lower Upper

62 100

98 6.5 0.0 15.6





#43

Isopropyl Acetate

Concen: 4.607 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

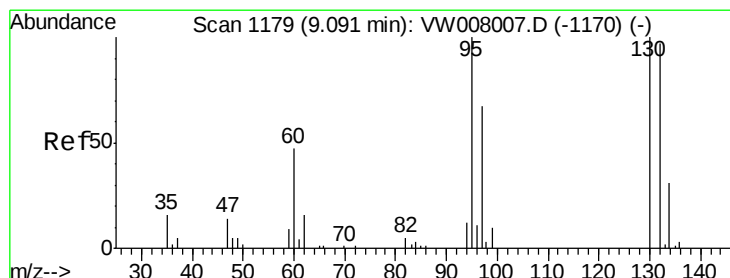
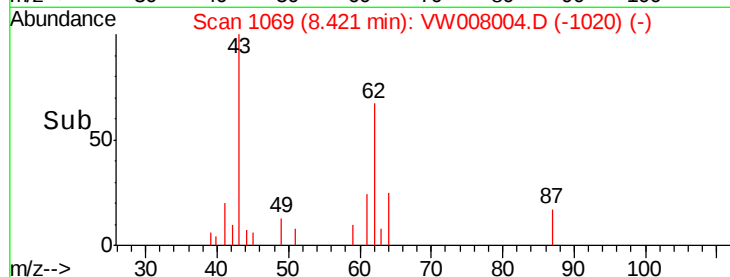
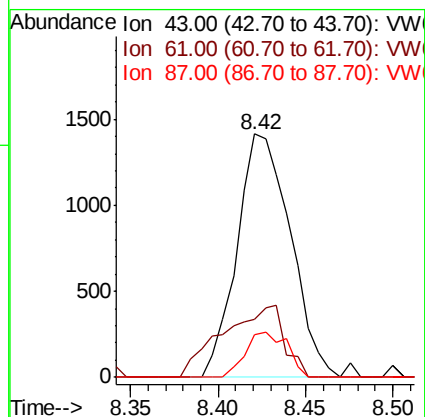
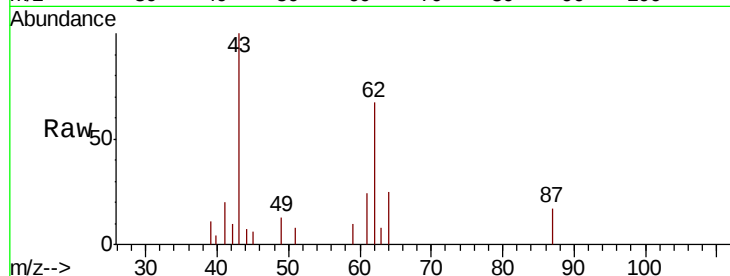
ClientSampled :

VSTDIC005

Tot Ion:	43	Resp:	3005
Ion	Ratio	Lower	Upper
43	100		
61	34.1	26.4	39.6
87	14.4	12.0	18.0

Manual Integrations
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MMDadoda
1/3/2019 10:55:10 AM



#44

Trichloroethene

Concen: 4.745 ug/l

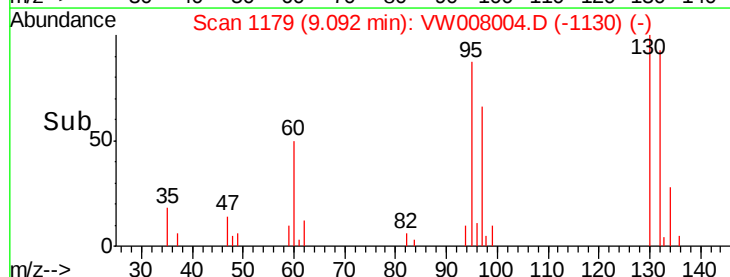
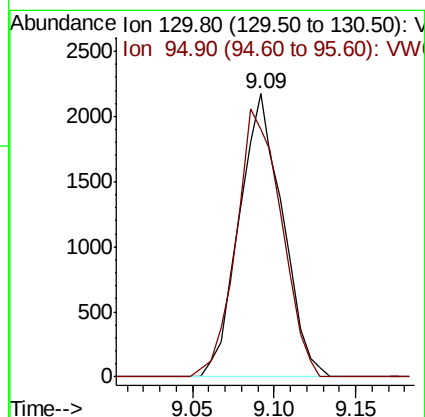
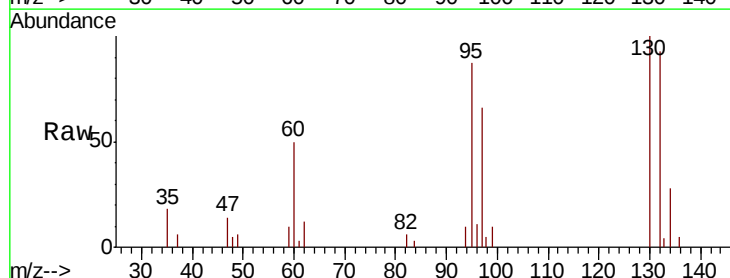
RT: 9.09 min Scan# 1179

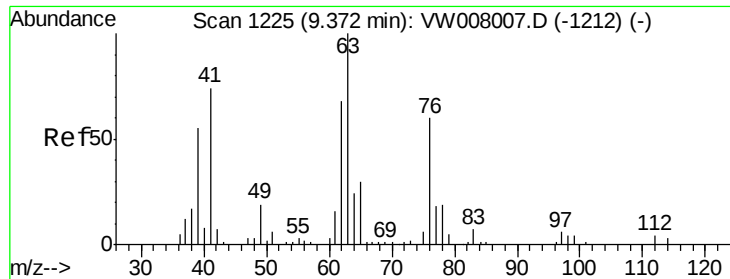
Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion:	130	Resp:	4015
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	200.0





#45

1,2-Dichloropropane

Concen: 4.972 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 3086

Ion Ratio Lower Upper

63 100

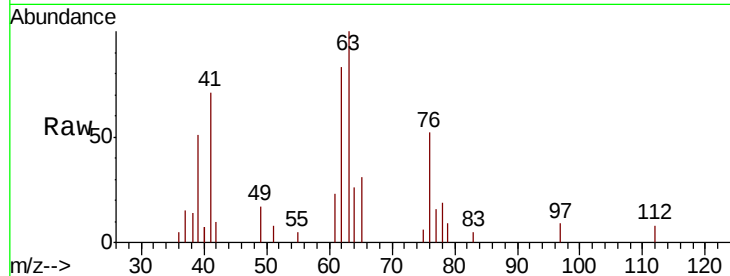
65 31.3 24.2 36.4

Manual Integrations

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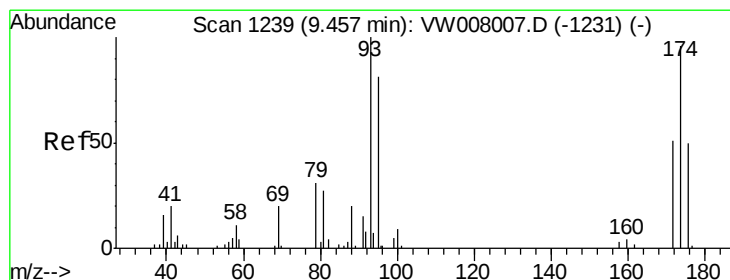
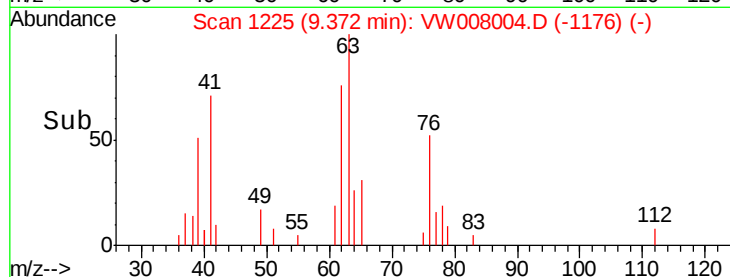
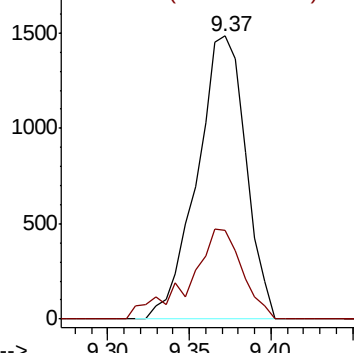
MMDadoda

1/3/2019 10:55:10 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 4.867 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

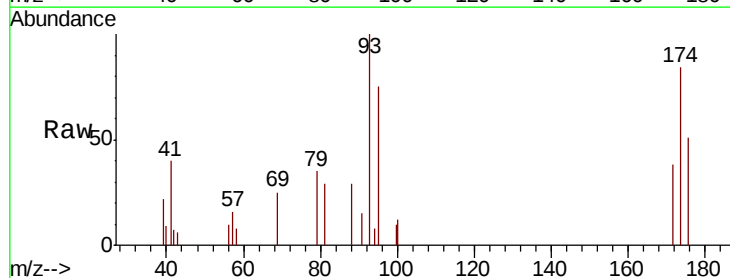
Tgt Ion: 93 Resp: 1766

Ion Ratio Lower Upper

93 100

95 77.7 63.9 95.9

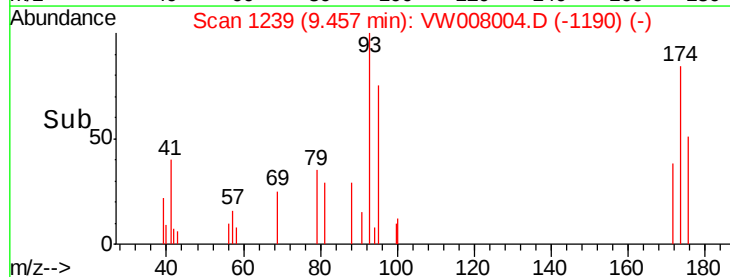
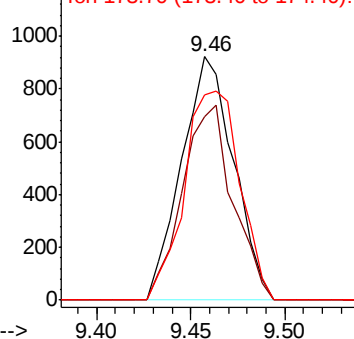
174 91.8 79.0 118.6

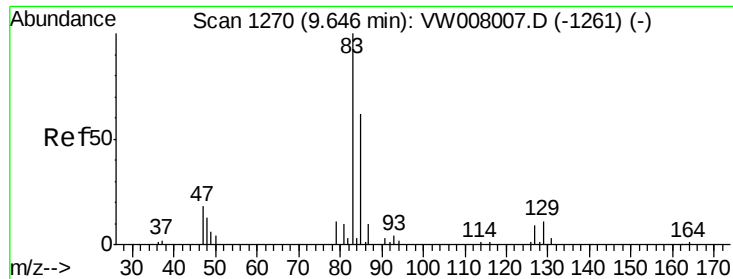


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





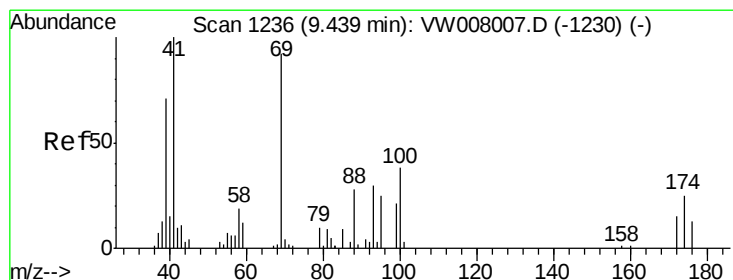
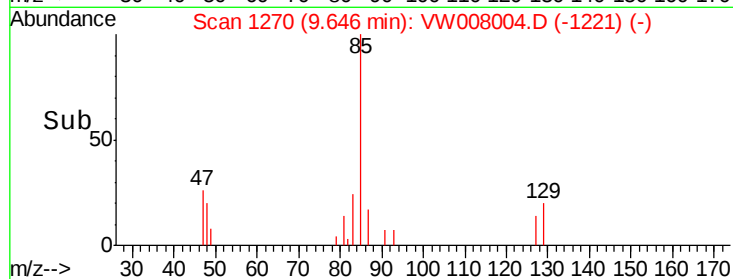
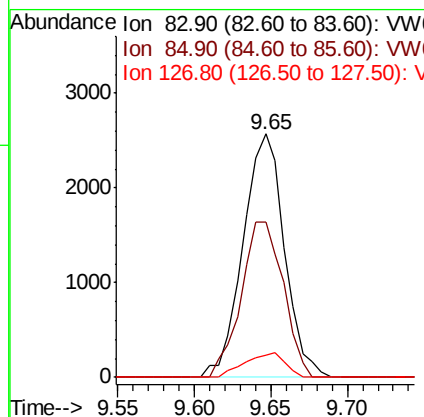
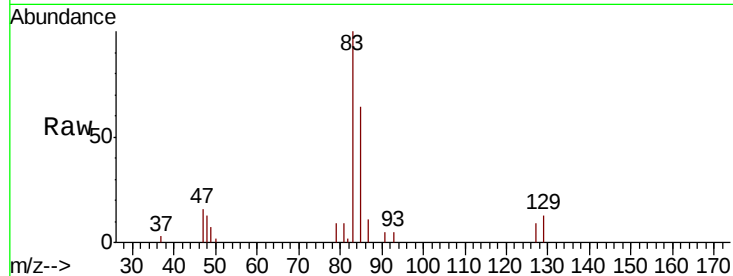
#47
Bromodichloromethane
Concen: 4.759 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	4837
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	49.5	74.3
127	9.2	7.5	11.3

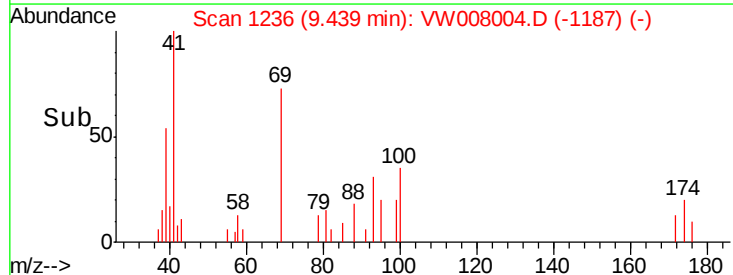
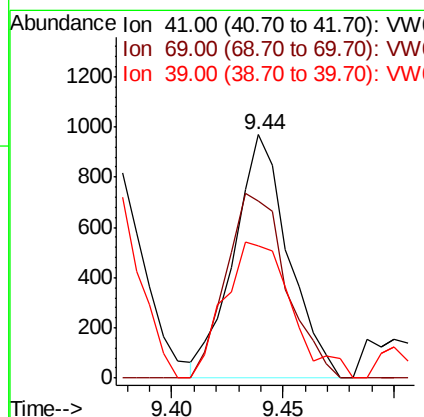
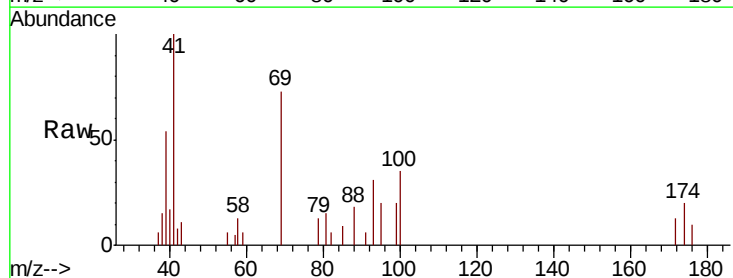
Manual Integrations
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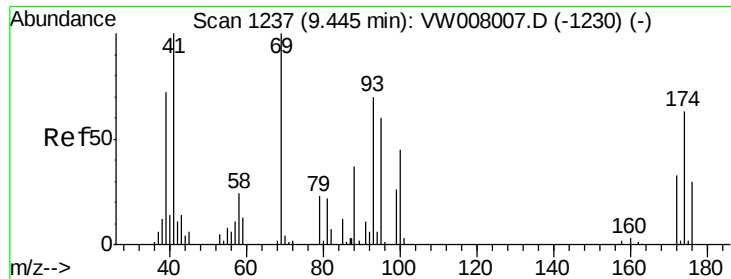
MMDadoda
1/3/2019 10:55:10 AM



#48
Methyl methacrylate
Concen: 5.050 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	41	Resp	1661
Ion Ratio	100	Lower	Upper
41	100		
69	83.2	72.3	108.5
39	68.3	58.7	88.1





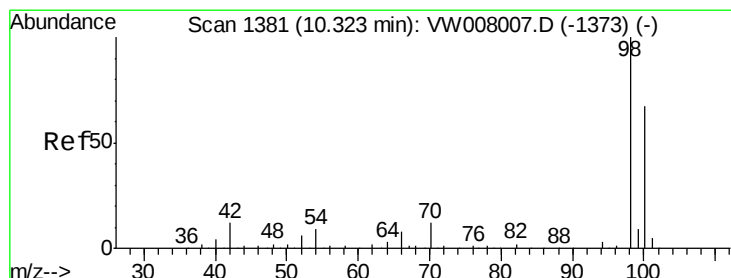
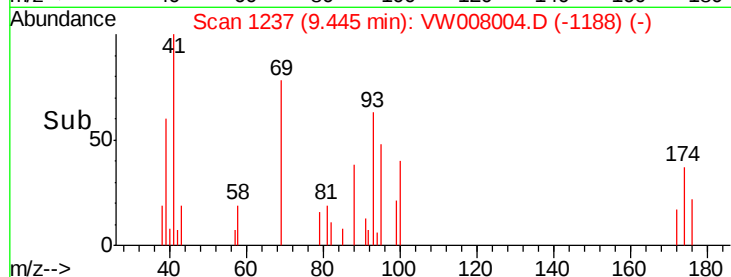
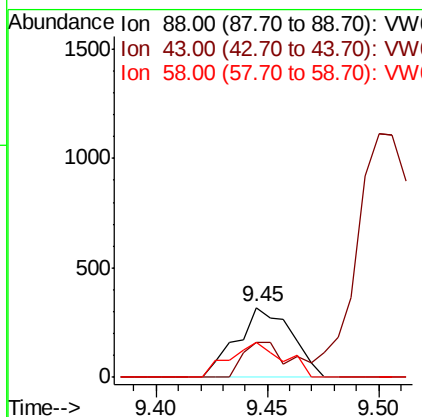
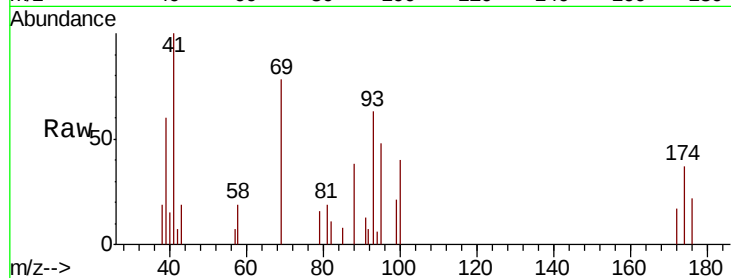
#49
1,4-Dioxane
Concen: 101.491 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	26.8	40.2#
58	49.5	55.8	83.6#

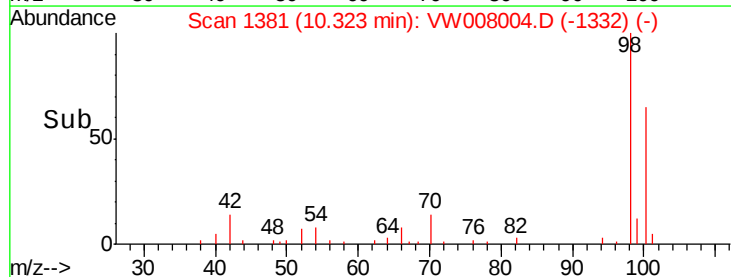
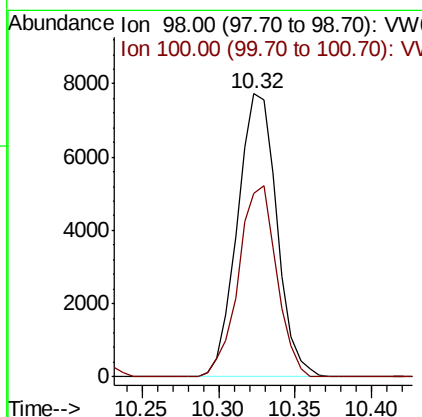
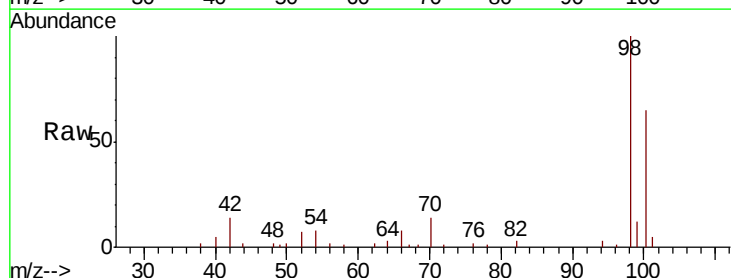
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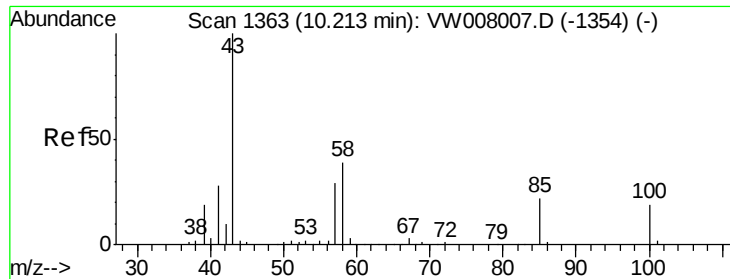
MMDadoda
1/3/2019 10:55:10 AM



#50
Toluene-d8
Concen: 5.302 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 24.566 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 7418

Ion Ratio Lower Upper

43 100

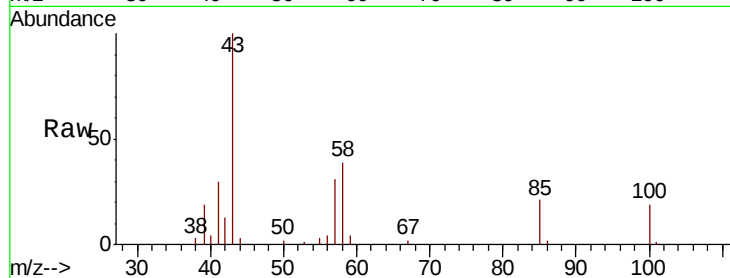
58 38.8 32.0 48.0

Manual Integrations

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MMDadoda

1/3/2019 10:55:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4000

3000

2000

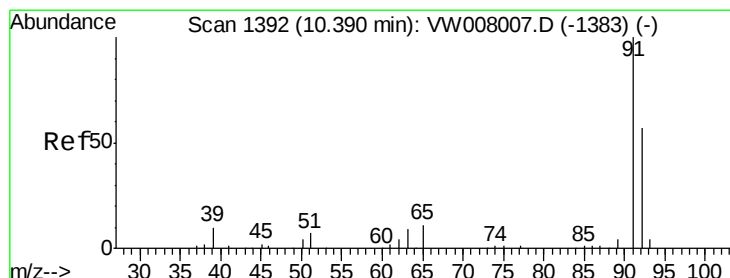
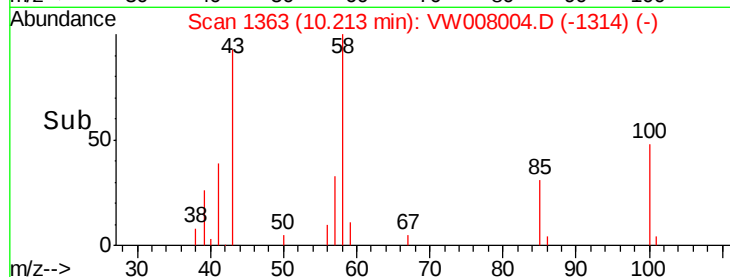
1000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 4.988 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008004.D

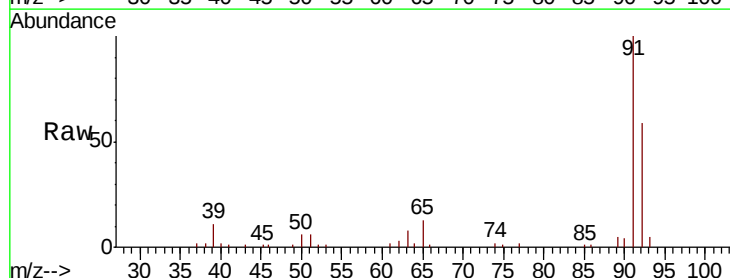
Acq: 02 Jan 2019 12:53

Tgt Ion: 92 Resp: 9442

Ion Ratio Lower Upper

92 100

91 167.5 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10000

8000

6000

4000

2000

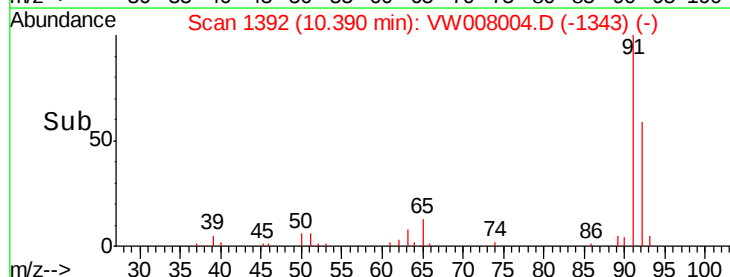
0

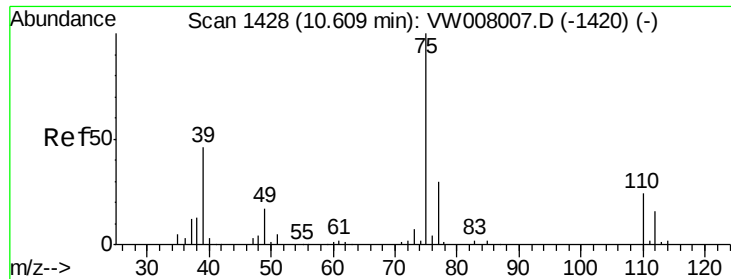
10.35

10.40

10.45

Time-->





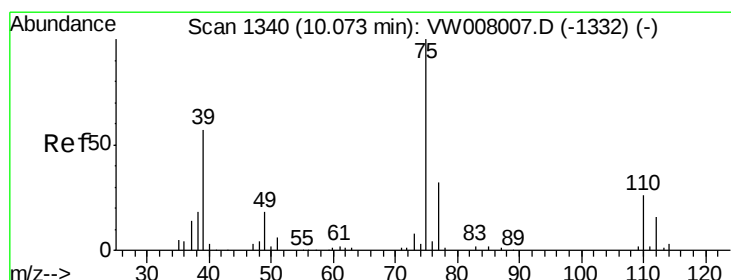
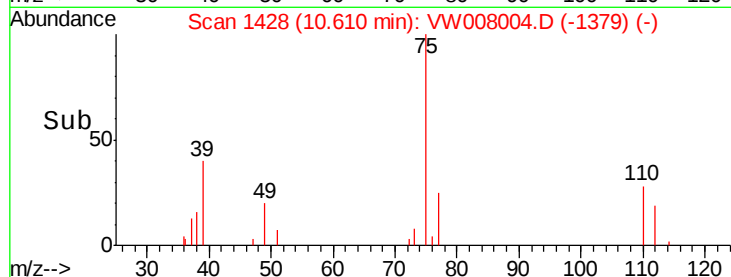
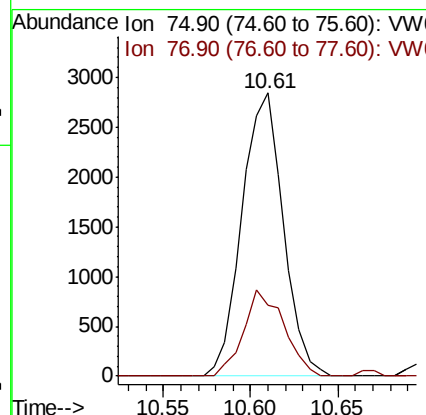
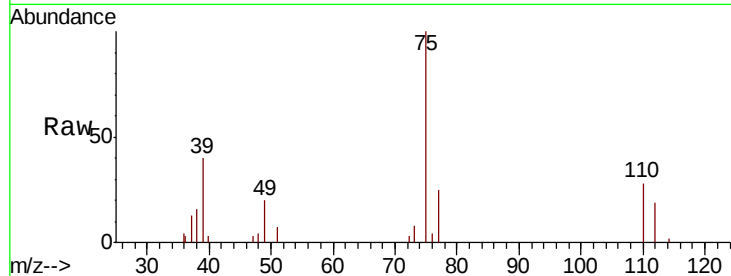
#53
 t-1,3-Dichloropropene
 Concen: 4.798 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 4689
 Ion Ratio Lower Upper
 75 100
 77 25.0 24.0 36.0

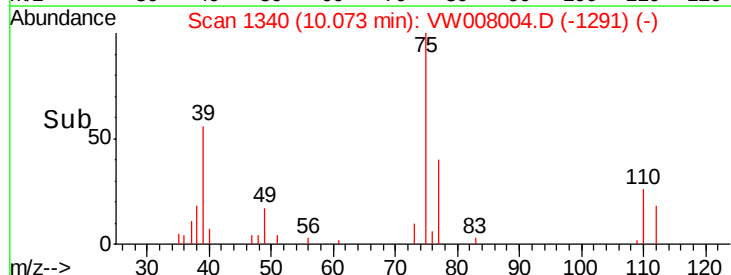
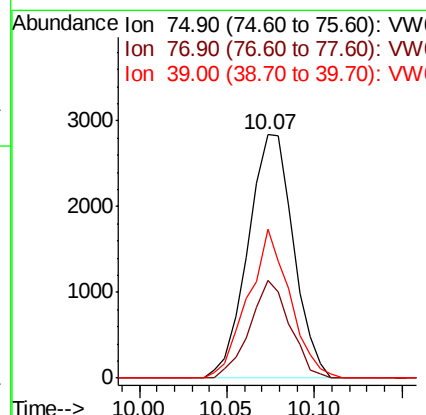
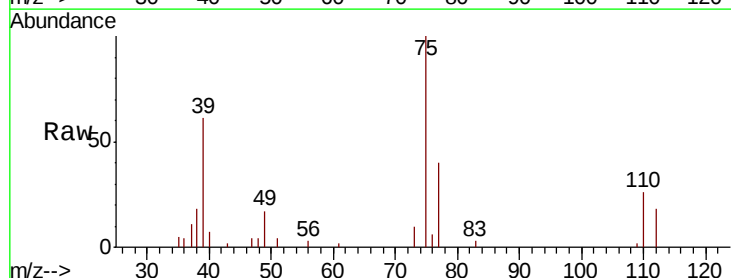
Manual Integrations
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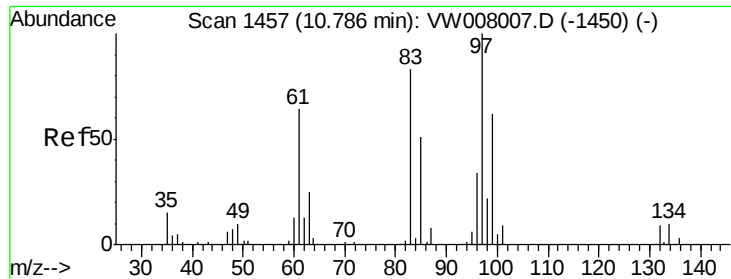
MMDadoda
 1/3/2019 10:55:10 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.716 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Tgt Ion: 75 Resp: 5143
 Ion Ratio Lower Upper
 75 100
 77 39.9 25.9 38.9#
 39 60.9 45.4 68.0





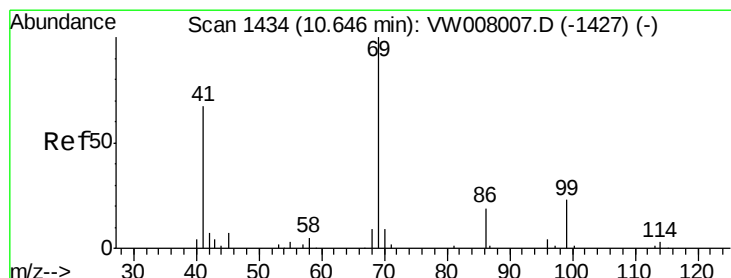
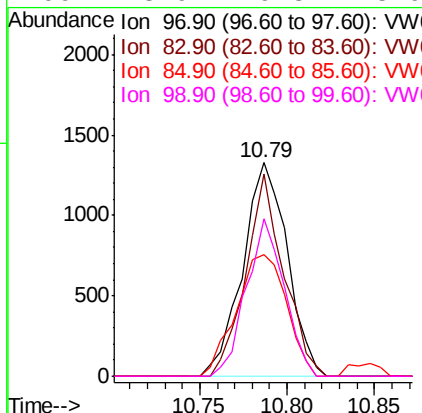
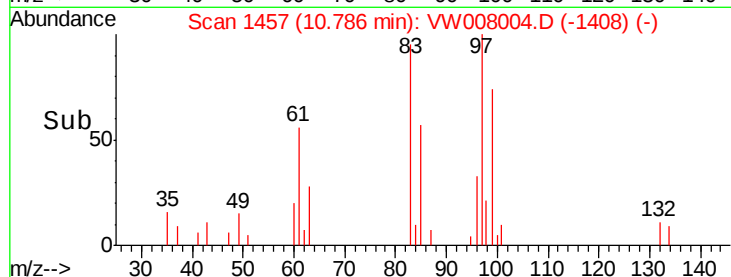
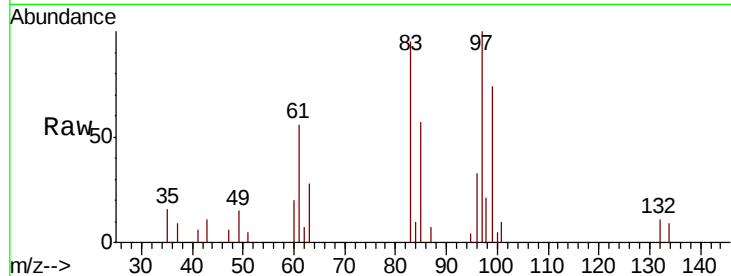
#55
 1,1,2-Trichloroethane
 Concen: 4.773 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	2345
Ion	Ratio	Lower	Upper
97	100		
83	94.7	66.2	99.2
85	56.9	41.0	61.4
99	73.9	49.3	73.9

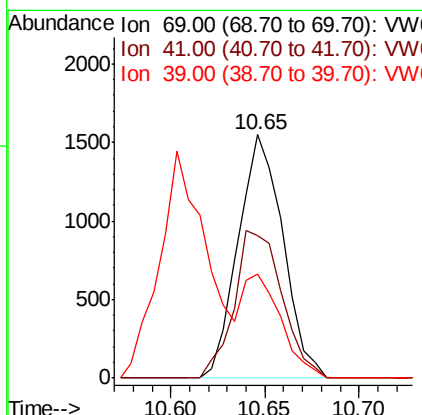
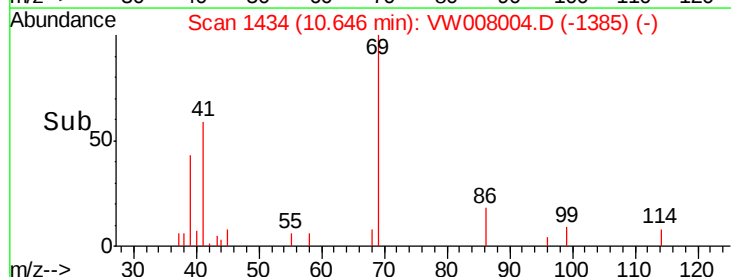
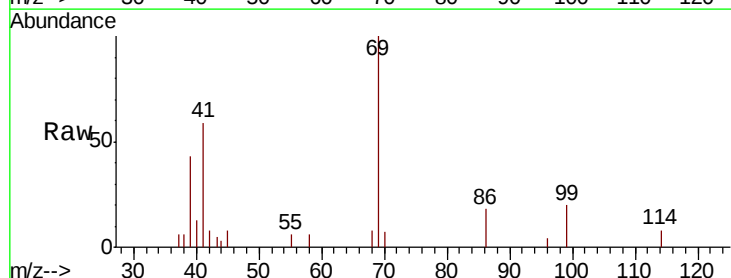
Manual Integrations
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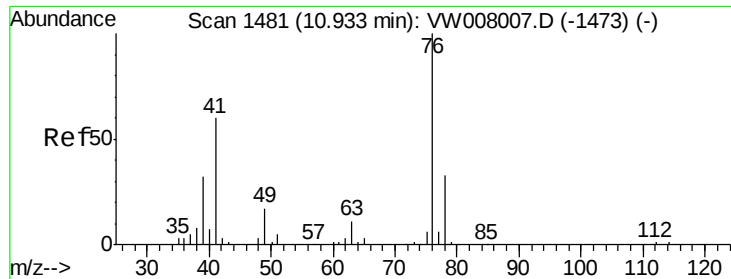
MMDadoda
 1/3/2019 10:55:10 AM



#56
 Ethyl methacrylate
 Concen: 4.600 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Tgt Ion:	69	Resp:	2555
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.6	79.0
39	36.3	35.8	53.6





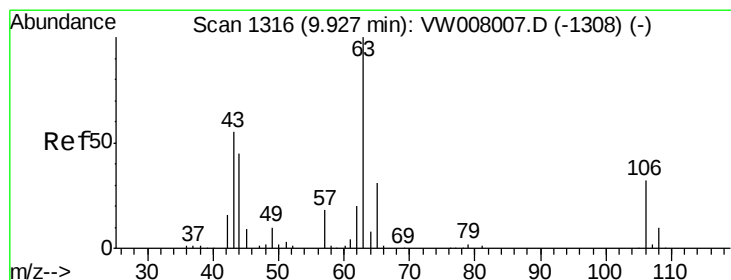
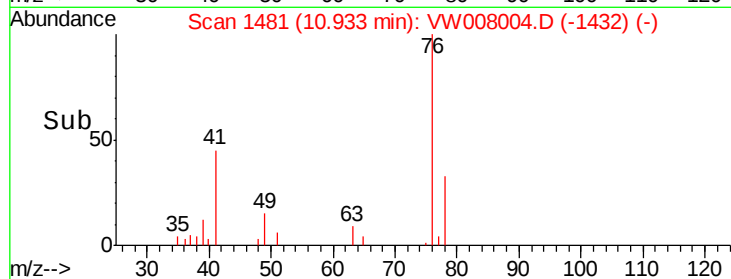
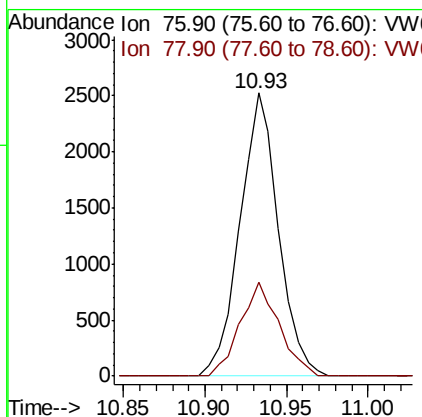
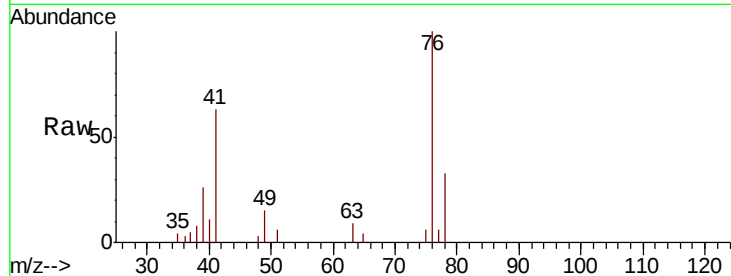
#57
 1,3-Dichloropropane
 Concen: 4.946 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 4129
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.7 40.1

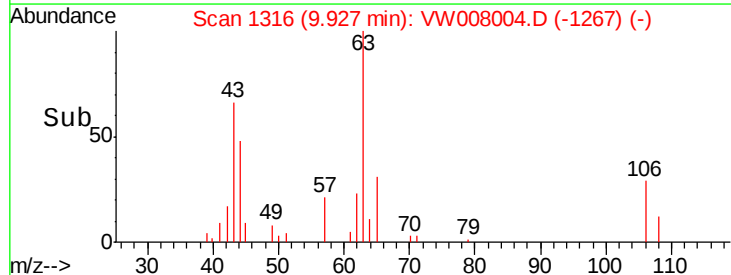
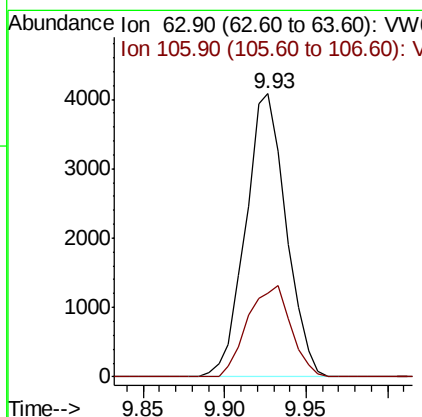
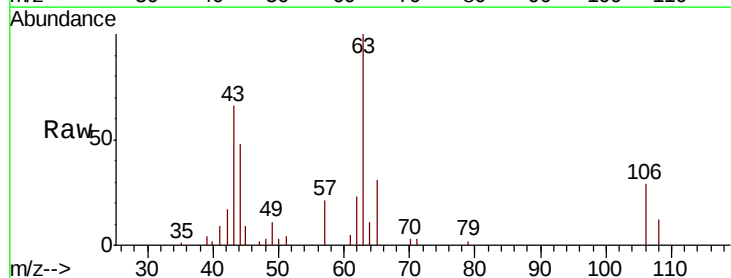
Manual Integrations
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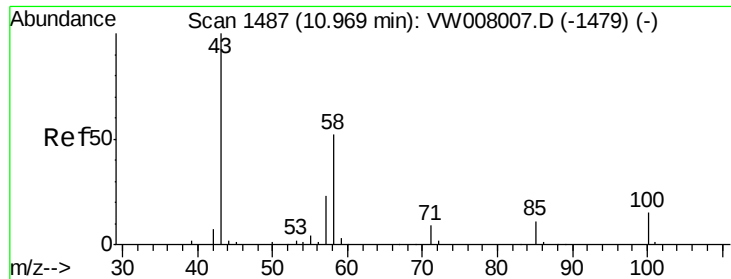
MMDadoda
 1/3/2019 10:55:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.756 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Tgt Ion: 63 Resp: 7048
 Ion Ratio Lower Upper
 63 100
 106 34.2 26.9 40.3





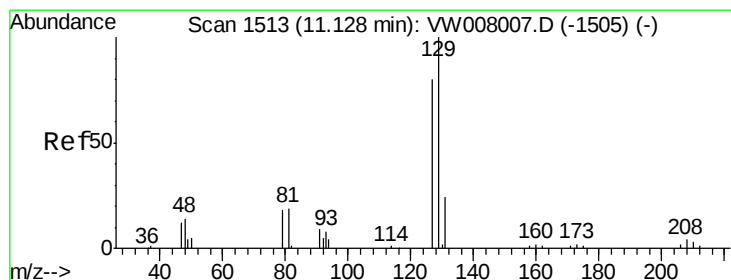
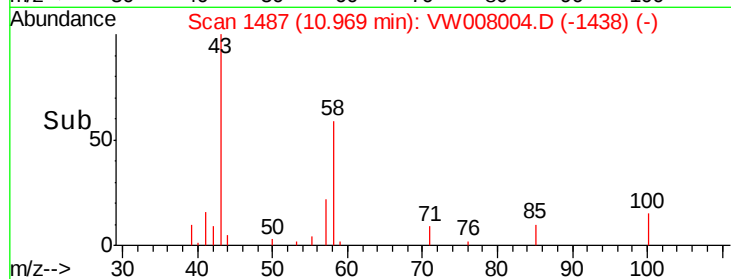
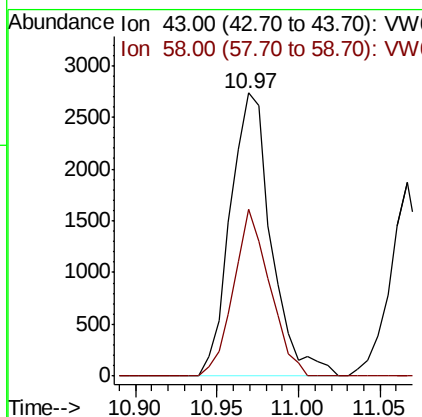
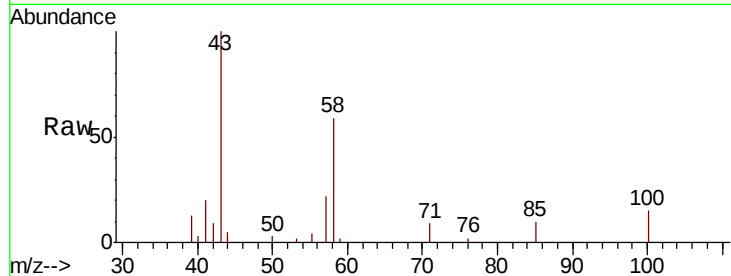
#59
2-Hexanone
Concen: 22.940 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 4782
Ion Ratio Lower Upper
43 100
58 52.1 27.1 81.2

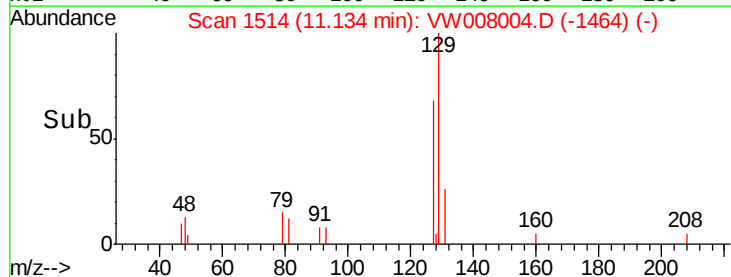
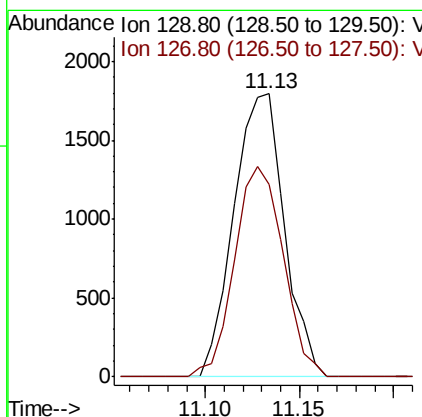
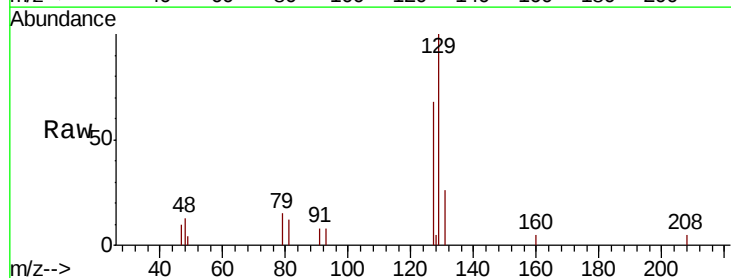
Manual Integrations
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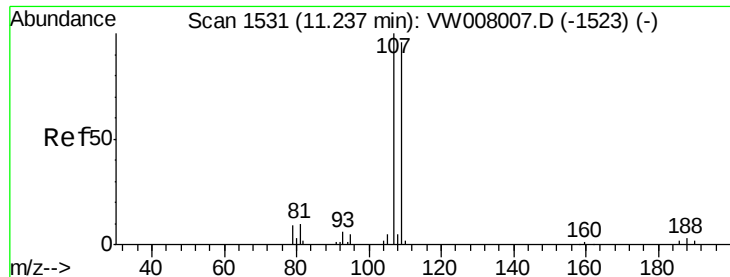
MMDadoda
1/3/2019 10:55:10 AM



#60
Dibromochloromethane
Concen: 4.965 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion: 129 Resp: 3339
Ion Ratio Lower Upper
129 100
127 71.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 4.609 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 2266

Ion Ratio Lower Upper

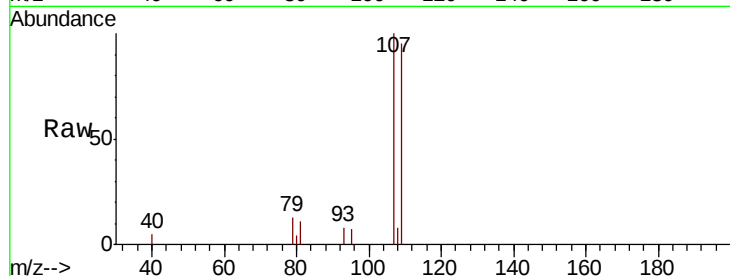
107 100

109 94.7 77.2 115.8

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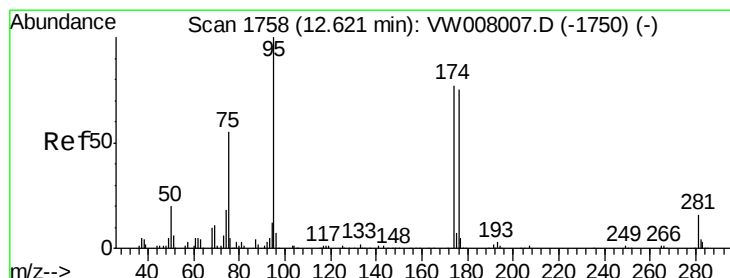
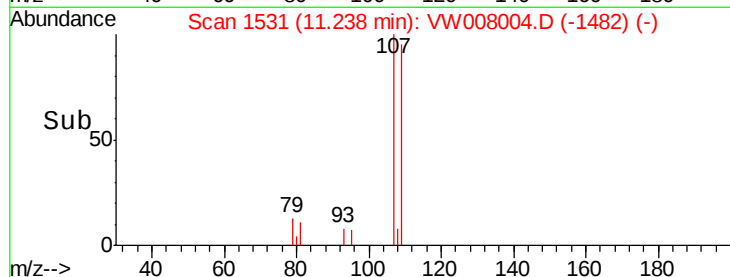
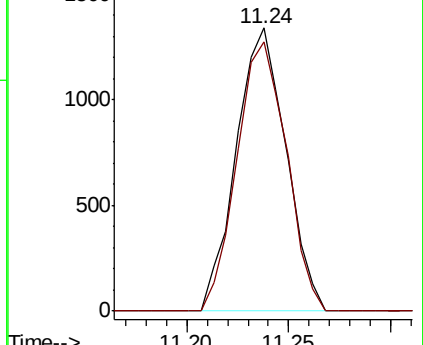
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.466 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

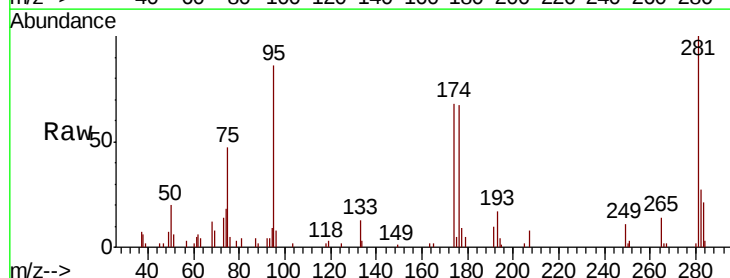
Tgt Ion: 95 Resp: 5462

Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.6

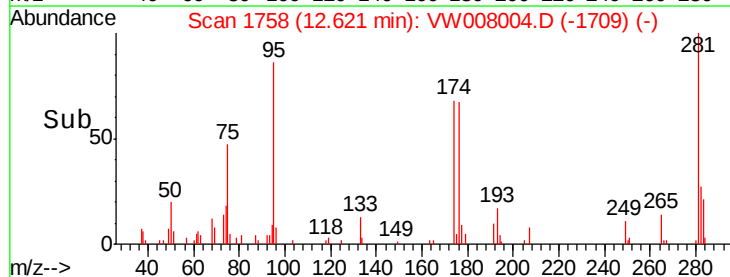
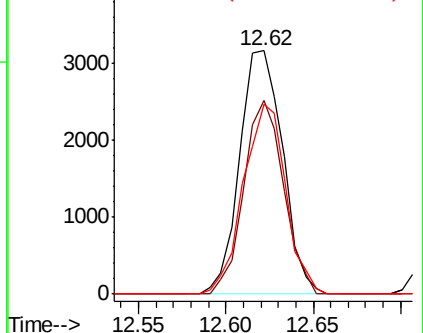
176 76.6 0.0 145.4

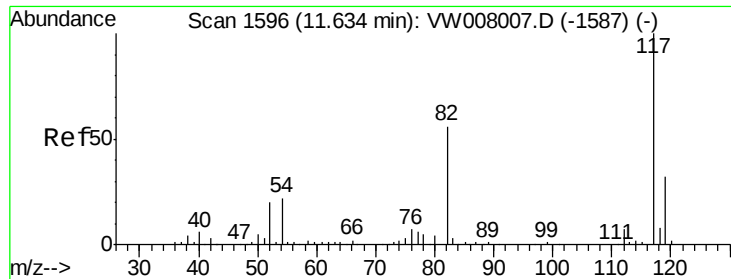


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





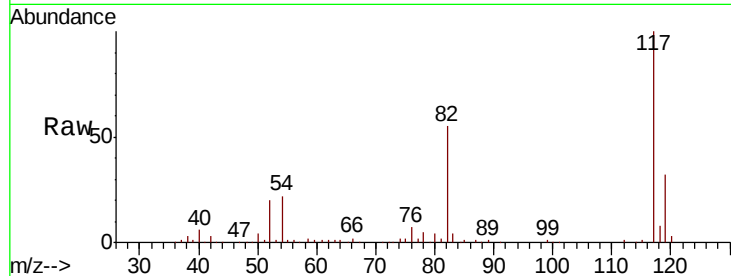
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.8	67.2
119	32.0	25.6	38.4

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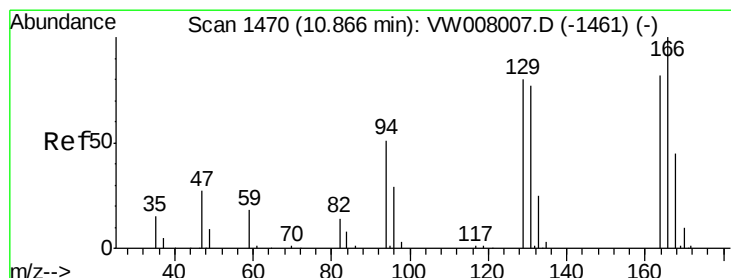
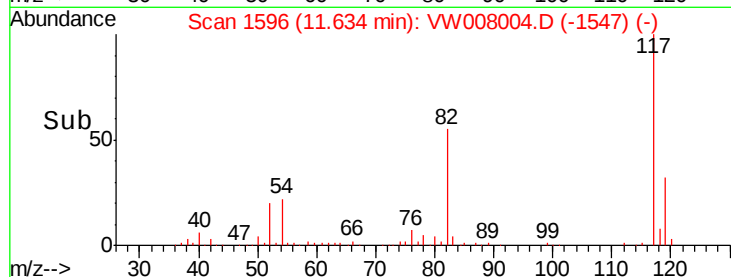
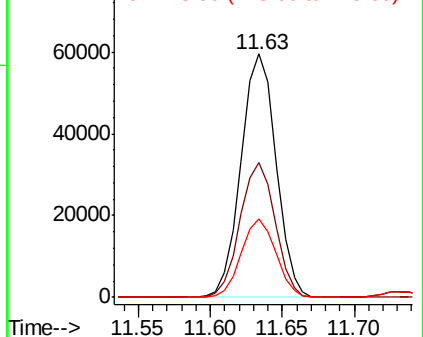


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 4.936 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	98.1	147.1
129	94.4	78.0	117.0
131	93.7	75.8	113.8

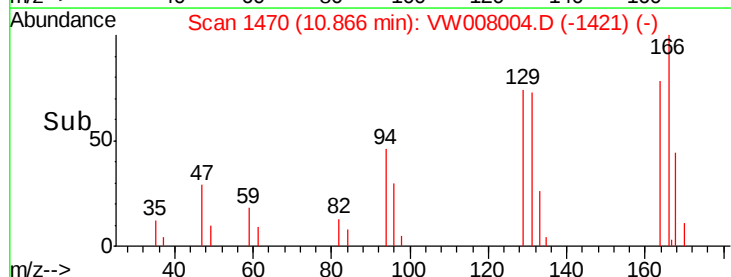
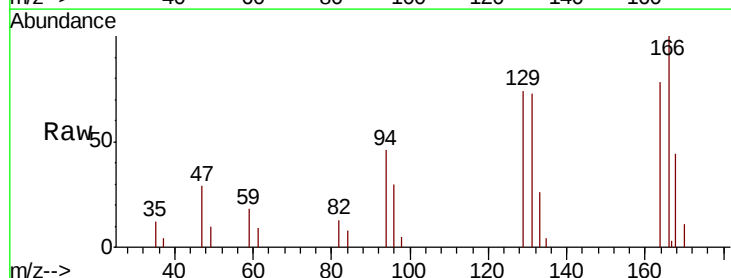
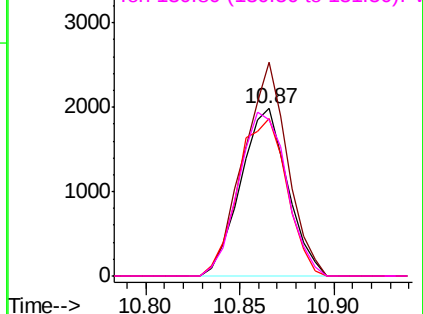
Abundance

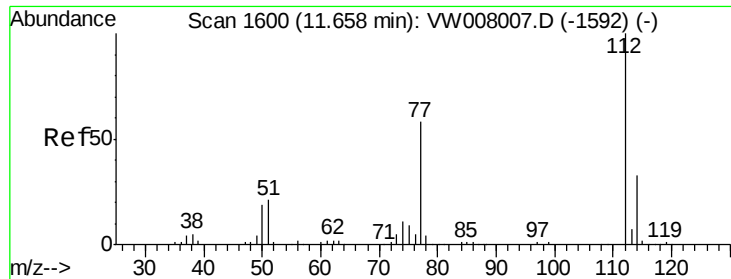
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.867 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 10457

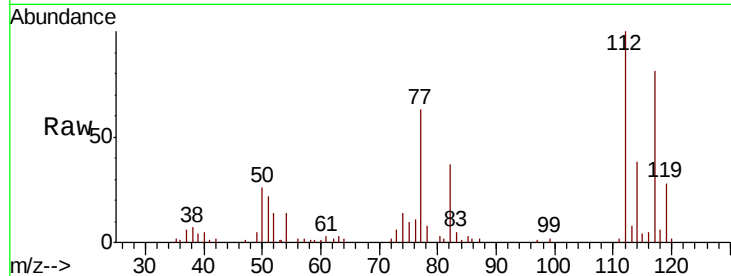
Ion Ratio Lower Upper

112 100

114 38.2 26.0 39.0

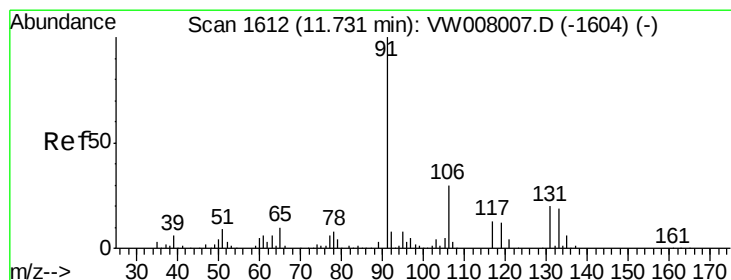
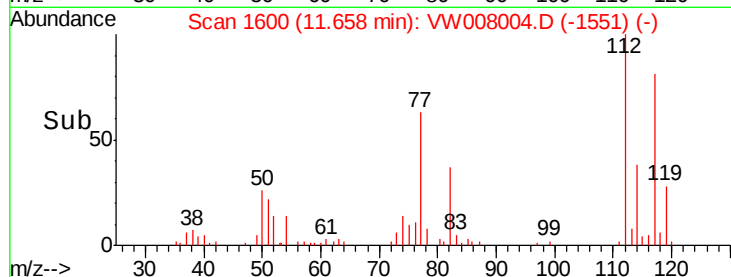
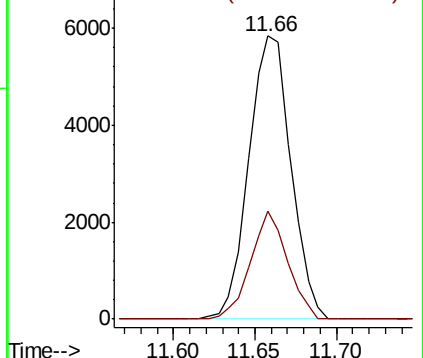
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.890 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

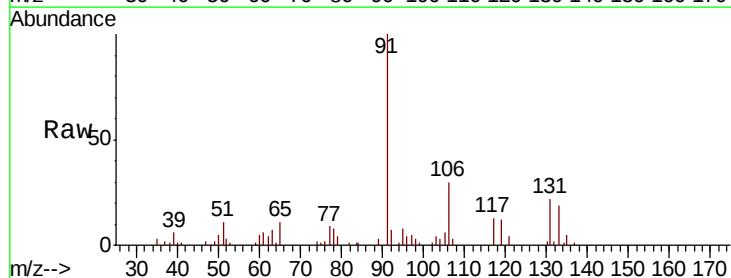
Tgt Ion:131 Resp: 3805

Ion Ratio Lower Upper

131 100

133 100.0 49.1 147.3

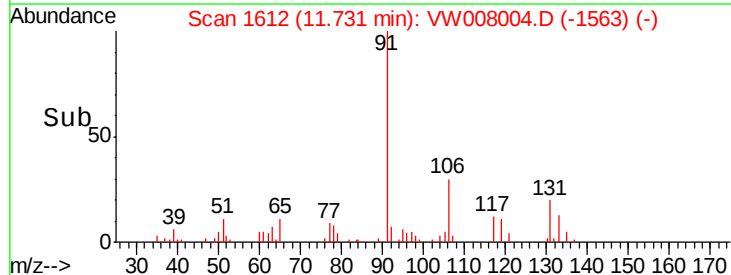
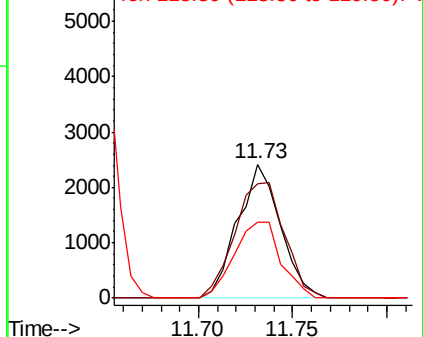
119 62.1 30.6 91.6

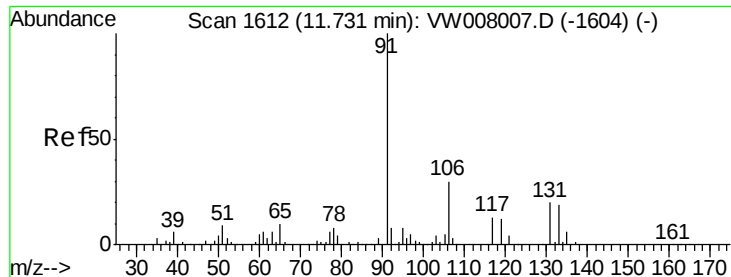


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





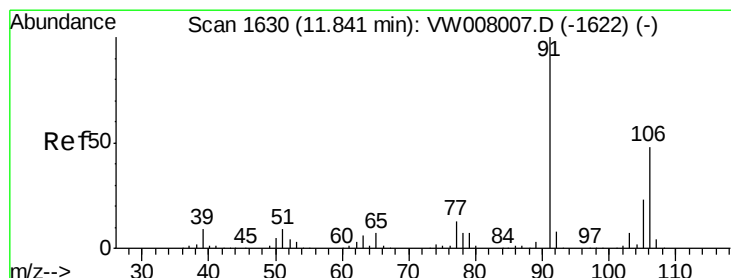
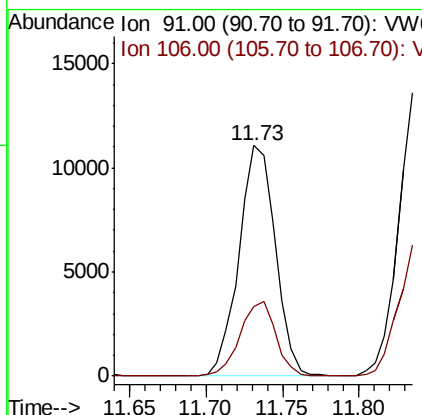
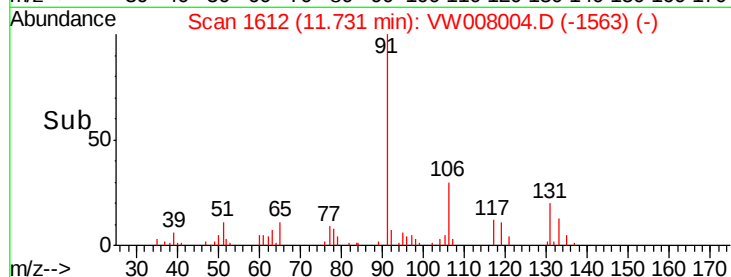
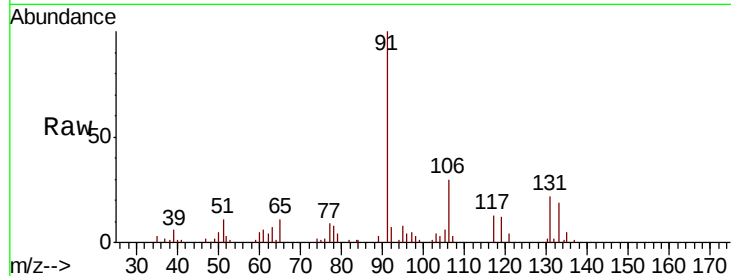
#67
Ethyl Benzene
Concen: 4.811 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 18349
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5

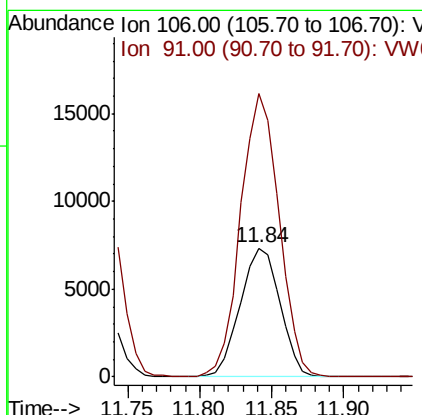
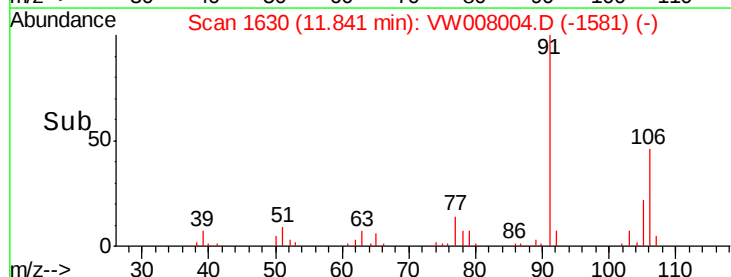
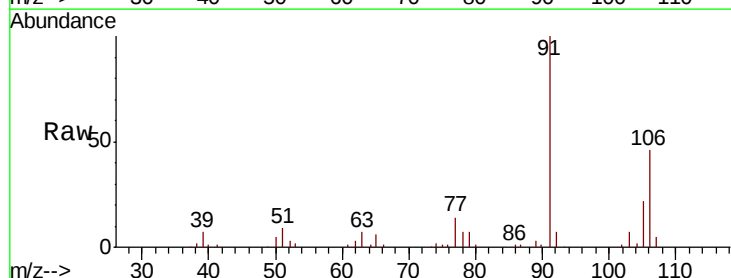
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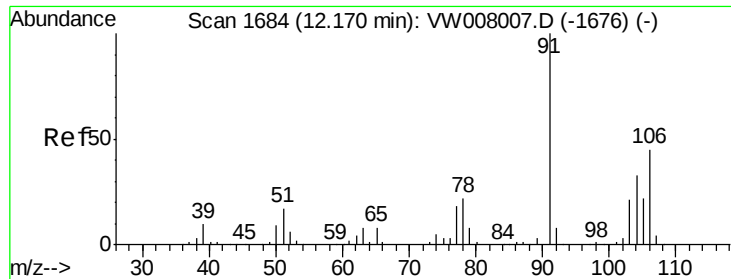
MMDadoda
1/3/2019 10:55:10 AM



#68
m/p-Xylenes
Concen: 9.546 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion: 106 Resp: 14075
Ion Ratio Lower Upper
106 100
91 212.2 165.8 248.8





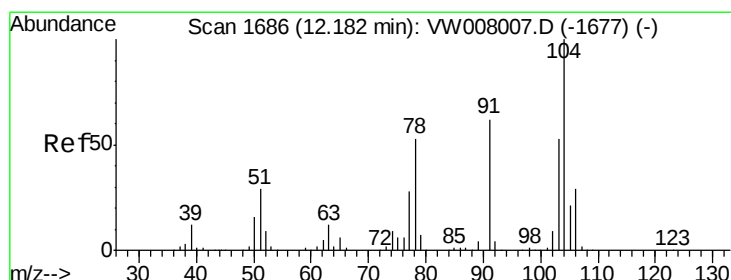
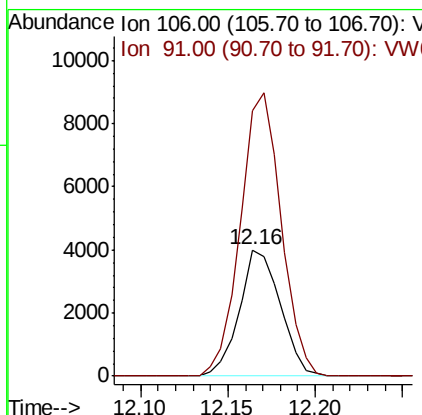
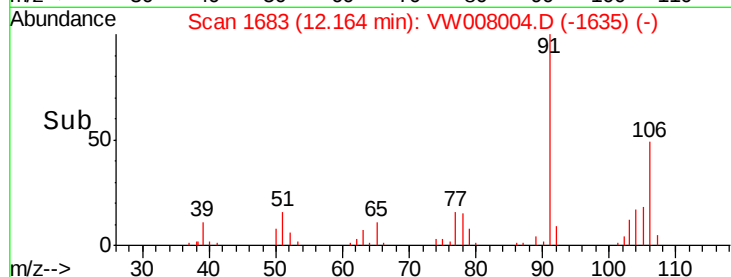
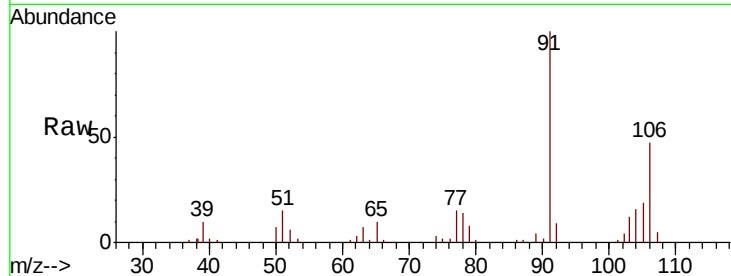
#69
o-Xylene
Concen: 4.754 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 6522
Ion Ratio Lower Upper
106 100
91 222.7 110.6 331.6

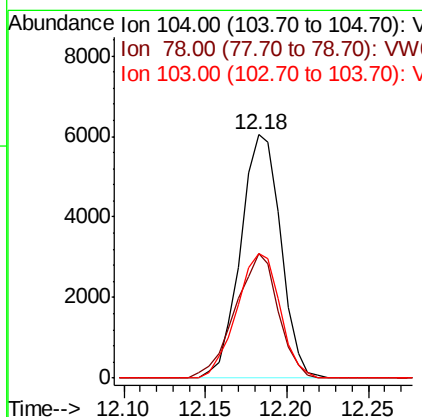
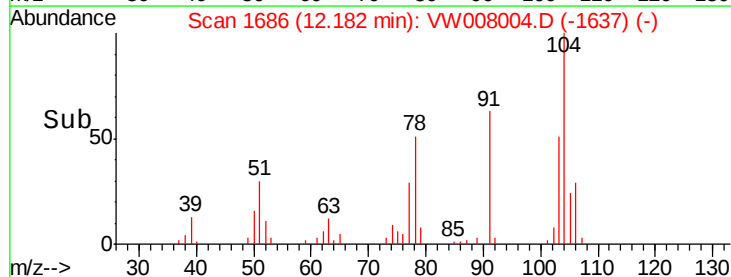
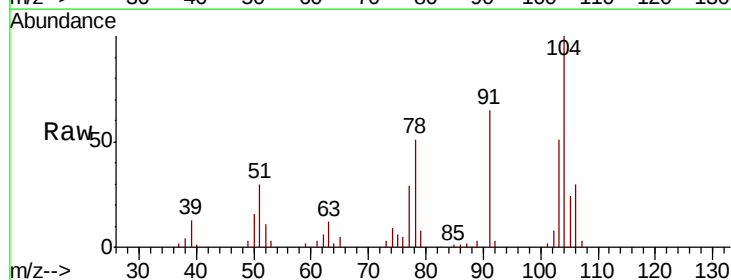
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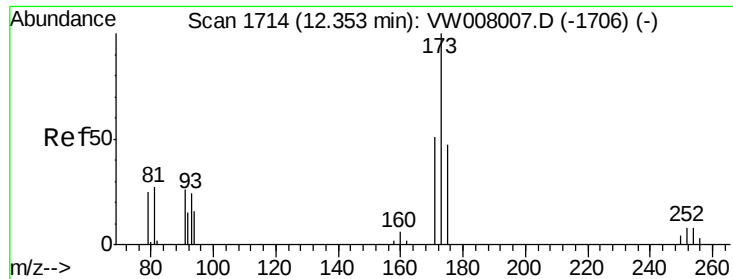
MMDadoda
1/3/2019 10:55:10 AM



#70
Styrene
Concen: 4.638 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion:104 Resp: 10372
Ion Ratio Lower Upper
104 100
78 54.5 44.0 66.0
103 55.1 44.6 66.8





#71

Bromoform

Concen: 4.733 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 1706

Ion Ratio Lower Upper

173 100

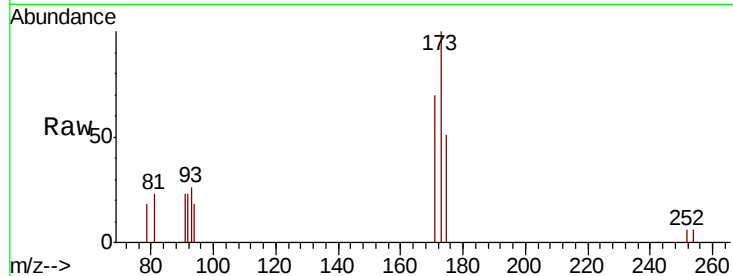
175 46.7 23.6 71.0

254 0.0 0.0 0.0

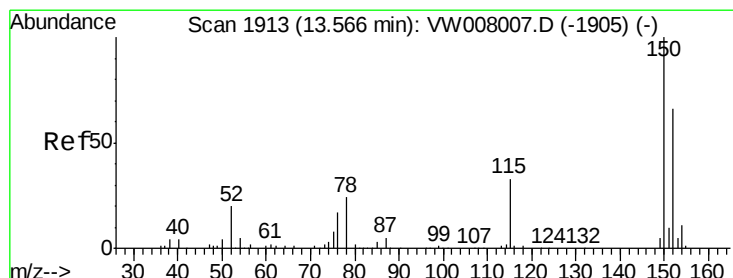
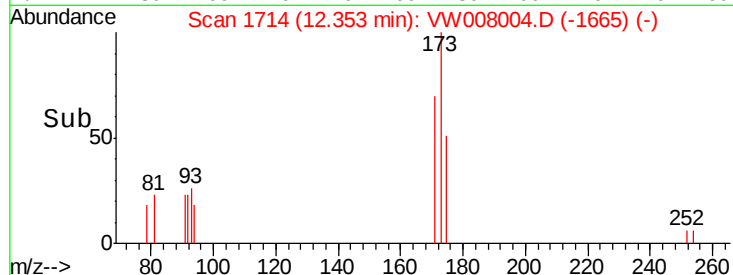
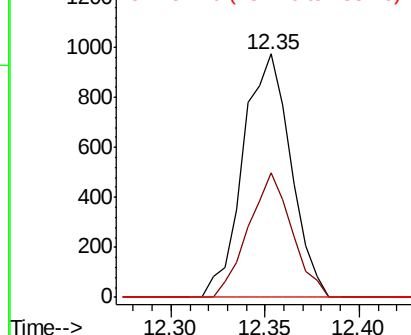
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

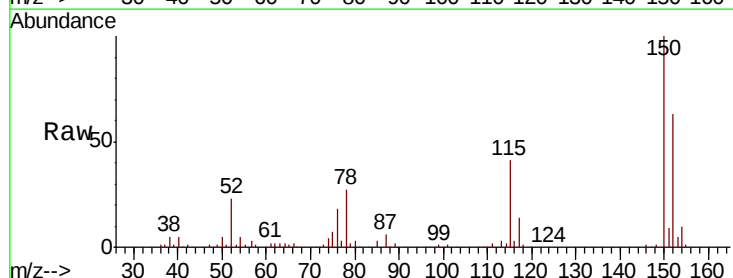
Tgt Ion:152 Resp: 50267

Ion Ratio Lower Upper

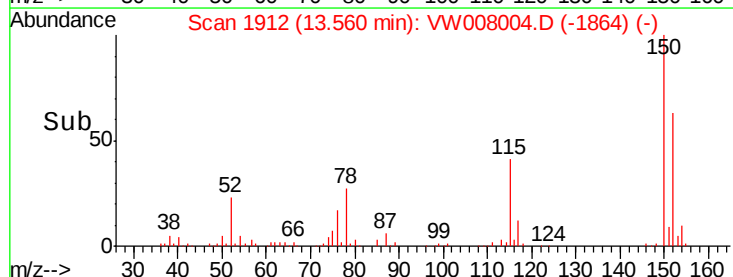
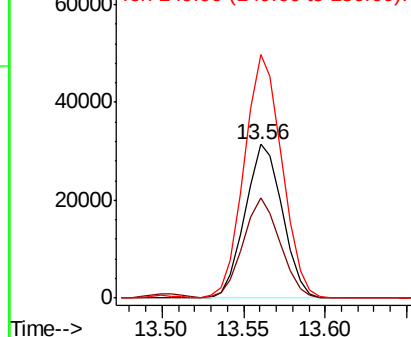
152 100

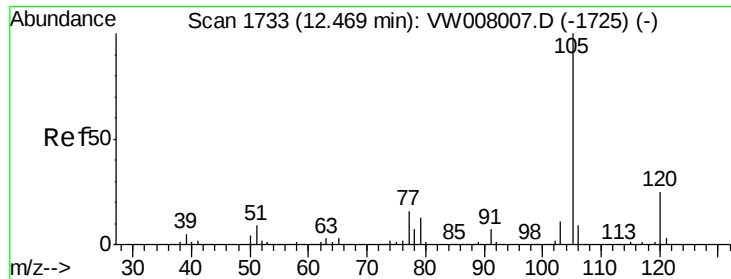
115 64.0 32.1 96.5

150 159.6 0.0 345.0



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





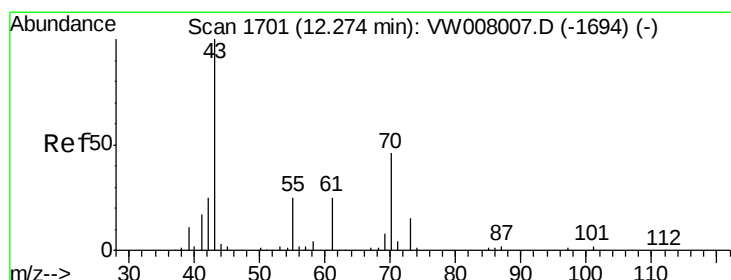
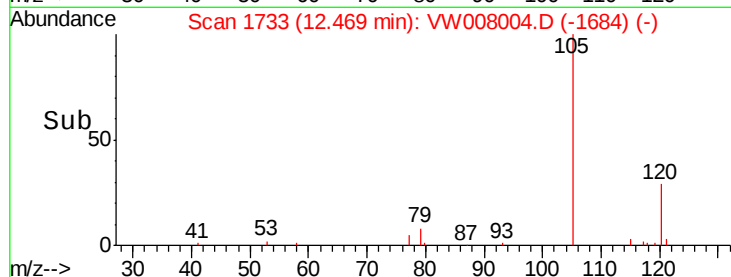
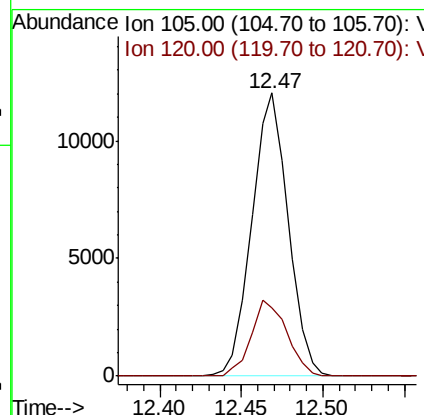
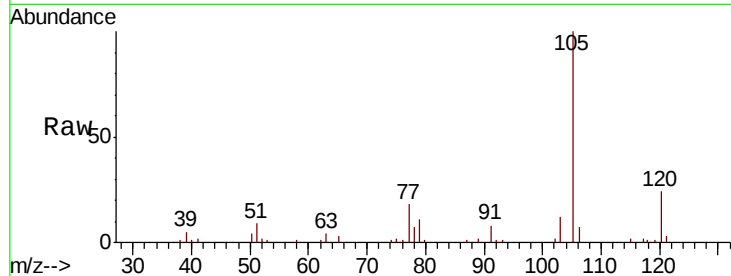
#73
Isopropylbenzene
Concen: 4.661 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.8	38.3

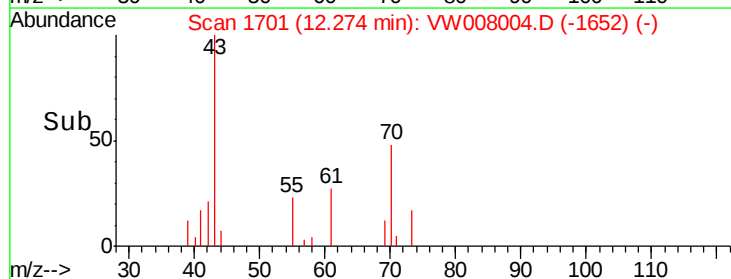
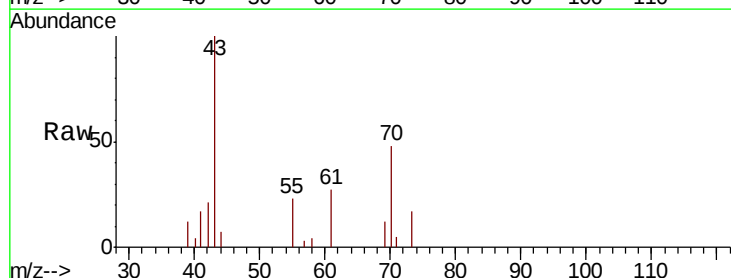
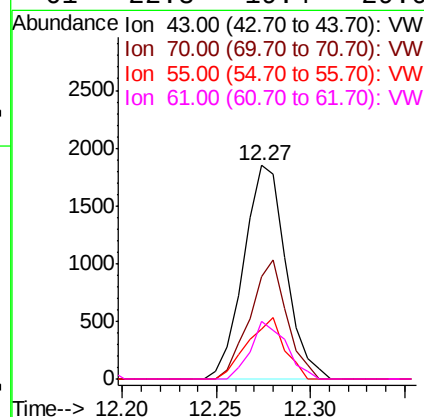
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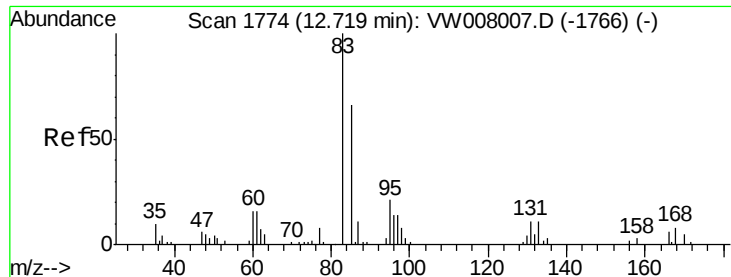
MMDadoda
1/3/2019 10:55:10 AM



#74
N-ethyl acetate
Concen: 4.618 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.5	35.2	52.8
55	25.1	21.4	32.0
61	22.8	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.664 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

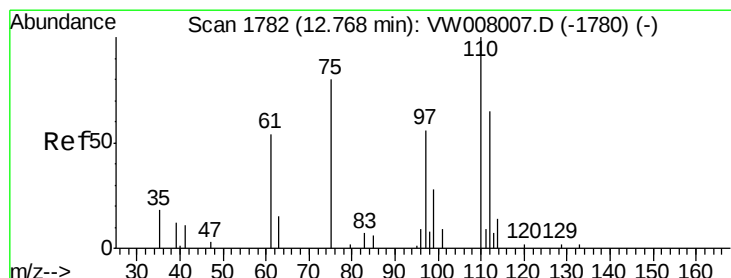
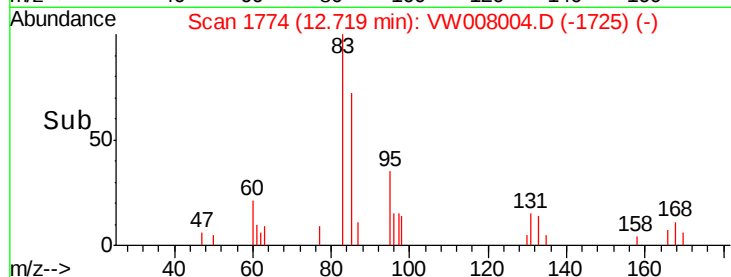
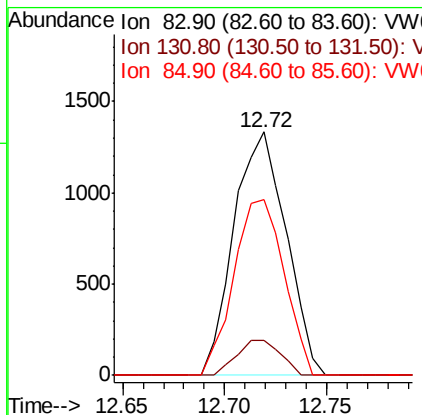
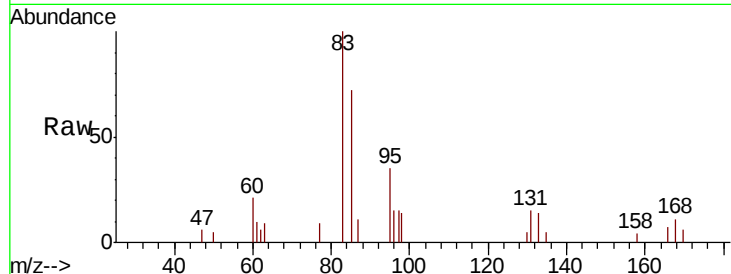
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	2372
Ion	Ratio	Lower	Upper
83	100		
131	12.1	6.5	19.5
85	69.4	32.8	98.3

Manual Integrations
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1/3/2019 10:55:10 AM



#76

1,2,3-Trichloropropane

Concen: 3.361 ug/l m

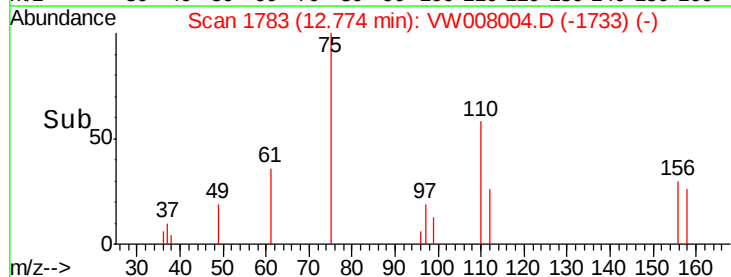
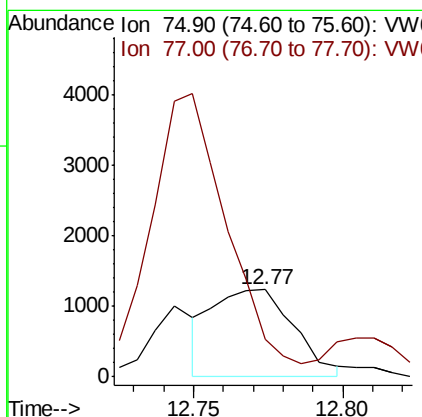
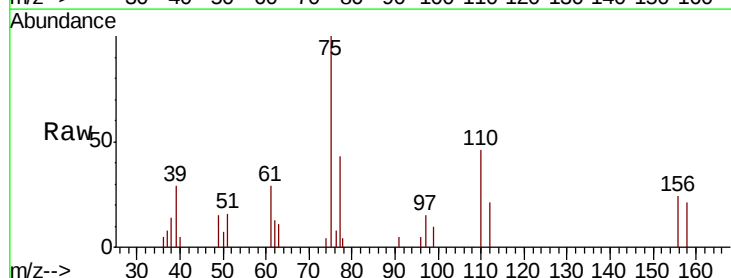
RT: 12.77 min Scan# 1783

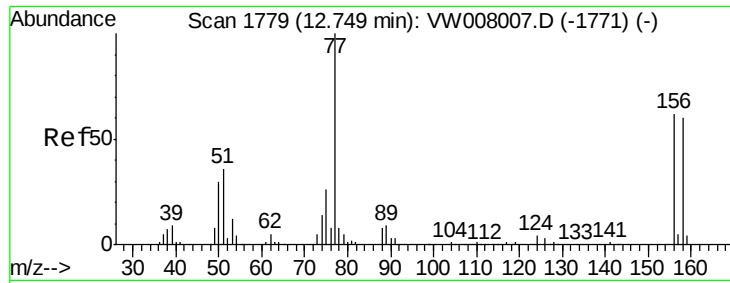
Delta R.T. 0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion:	75	Resp:	2353
Ion	Ratio	Lower	Upper
75	100		
77	88.7	186.2	558.6#





#77

Bromobenzene

Concen: 4.635 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Instrument :

MSVOA_W

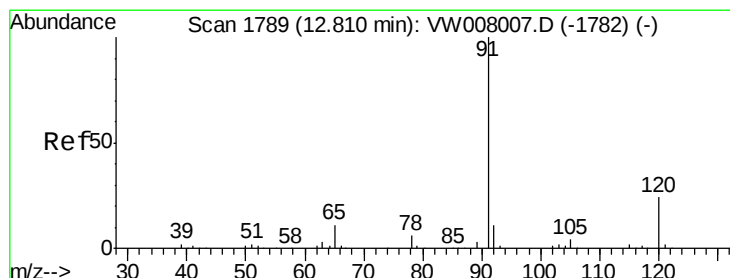
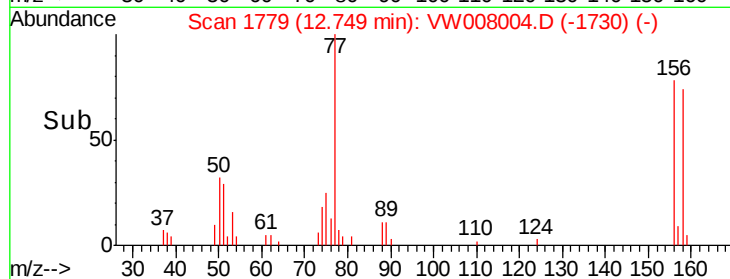
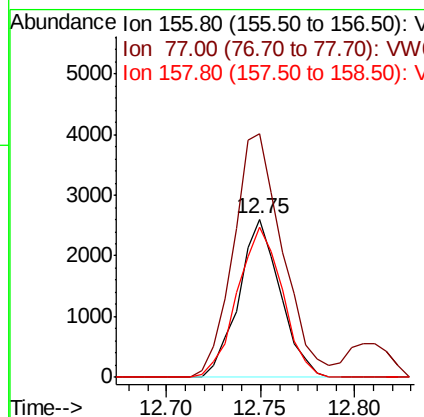
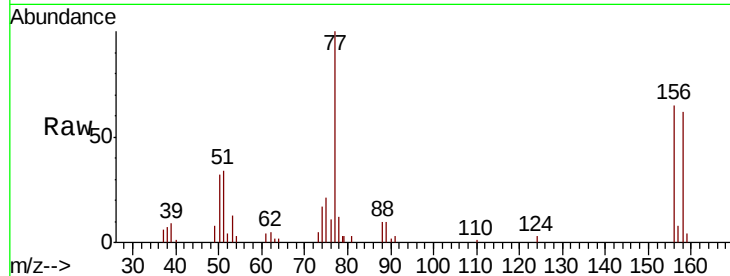
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	3982
Ion Ratio	Lower	Upper	
156	100		
77	181.9	87.9	263.8
158	102.5	47.8	143.4

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#78

n-propylbenzene

Concen: 4.764 ug/l

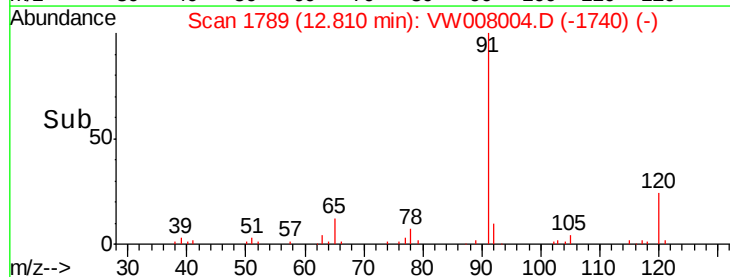
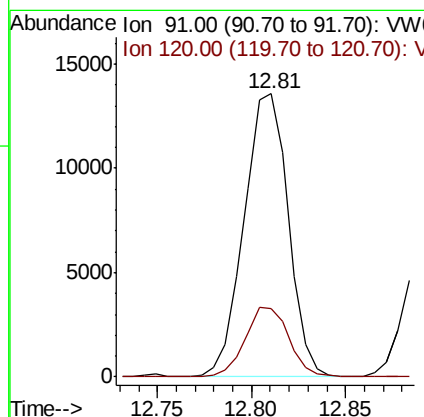
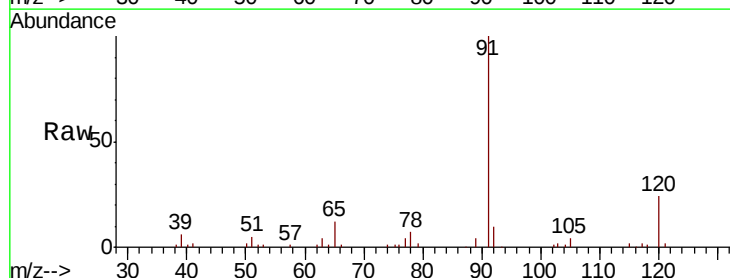
RT: 12.81 min Scan# 1789

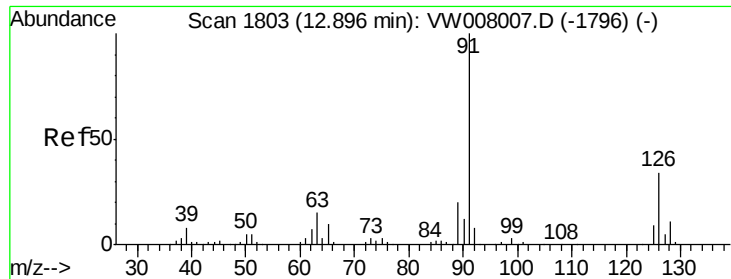
Delta R.T. 0.00 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion:	91	Resp:	22077
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.5	34.5





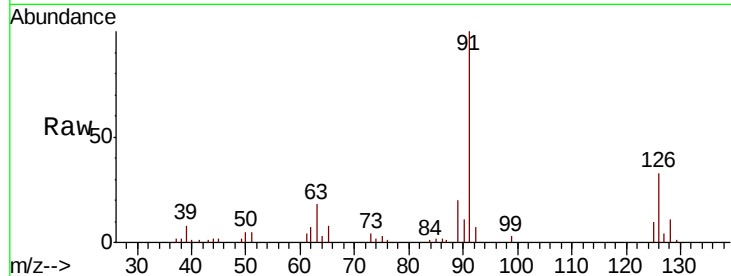
#79
2-Chlorotoluene
Concen: 4.693 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

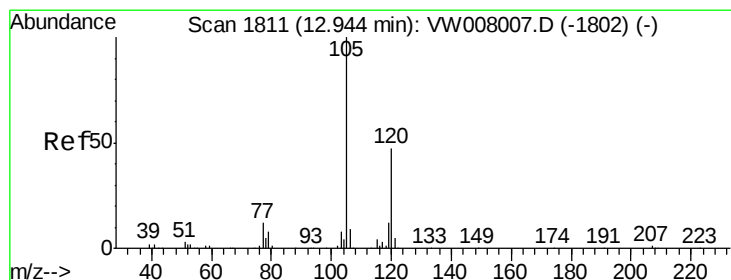
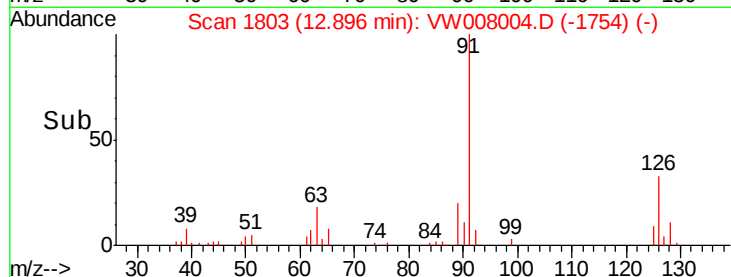
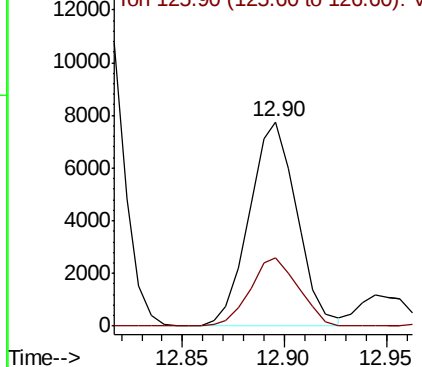
Tot Ion: 91 Resp: 12570
Ion Ratio Lower Upper
91 100
126 33.9 17.1 51.2

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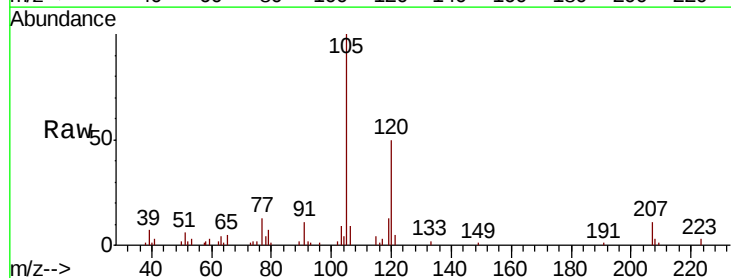


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

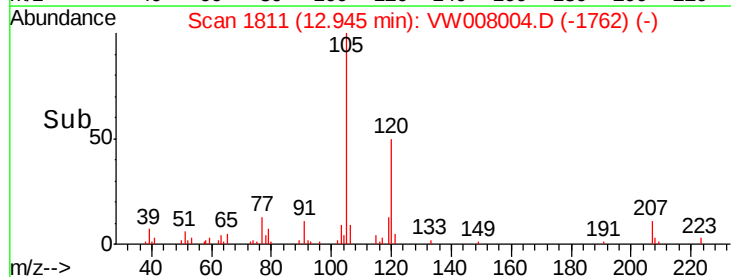
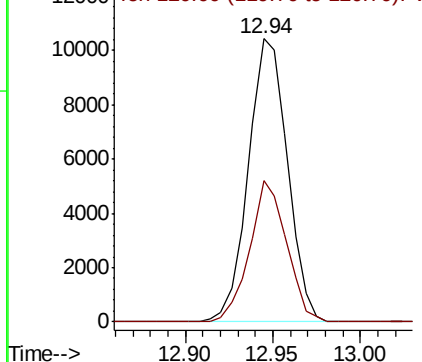


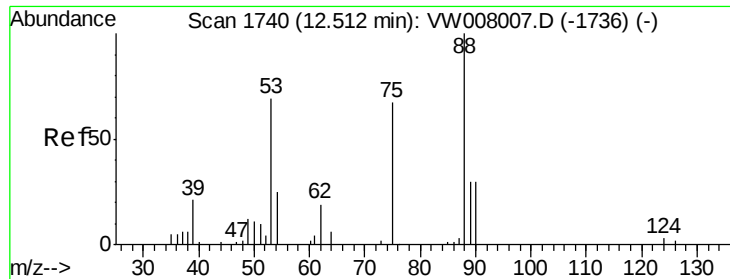
#80
1,3,5-Trimethylbenzene
Concen: 4.710 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion: 105 Resp: 16204
Ion Ratio Lower Upper
105 100
120 46.9 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





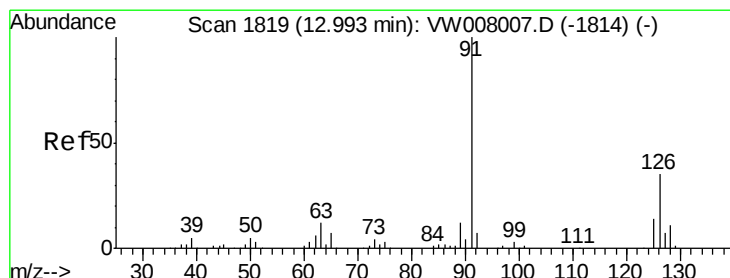
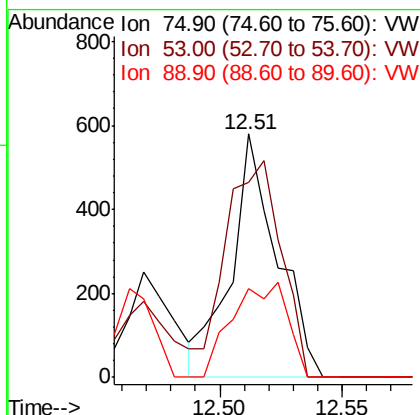
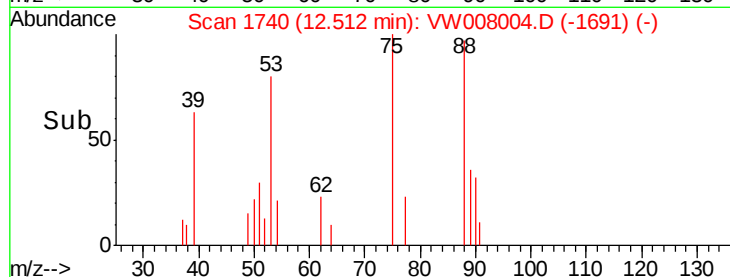
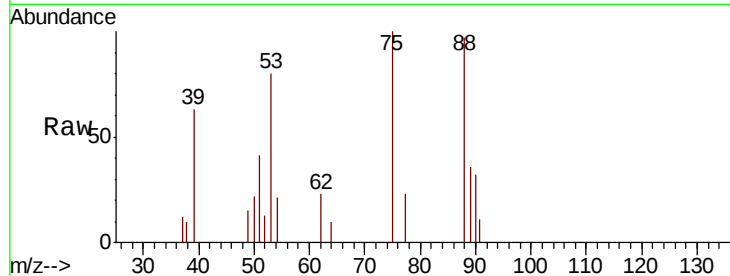
#81
trans-1,4-Dichloro-2-butene
Concen: 4.506 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	87.6	131.4
89	46.9	42.2	63.2

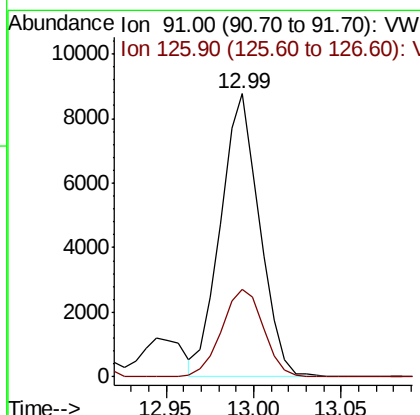
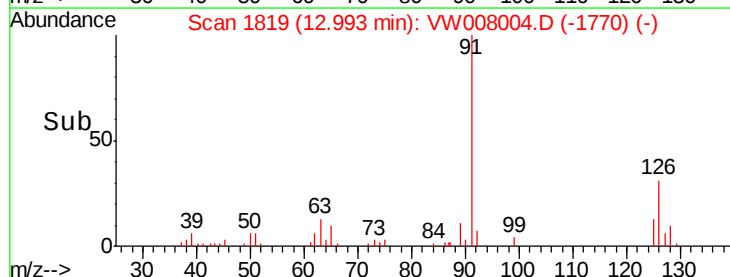
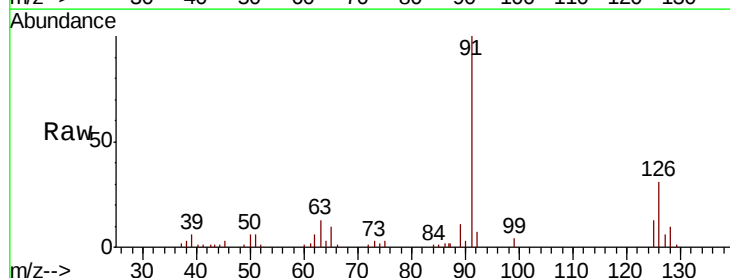
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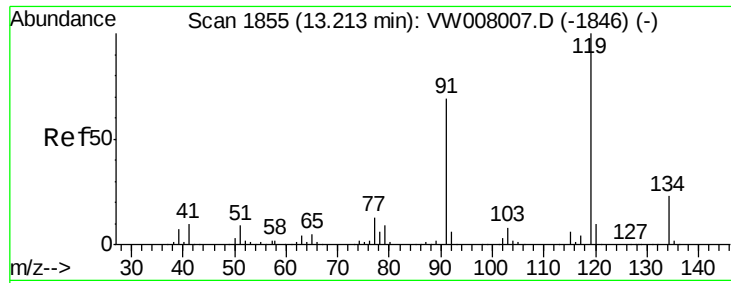
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#82
4-Chlorotoluene
Concen: 4.782 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1





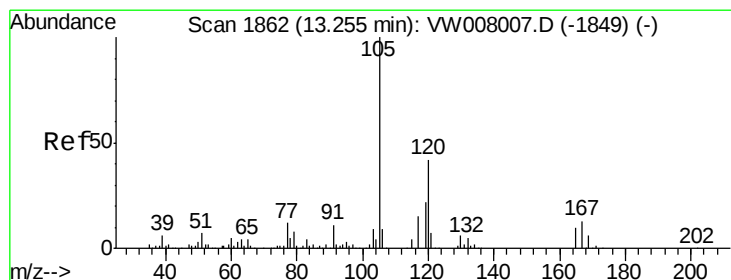
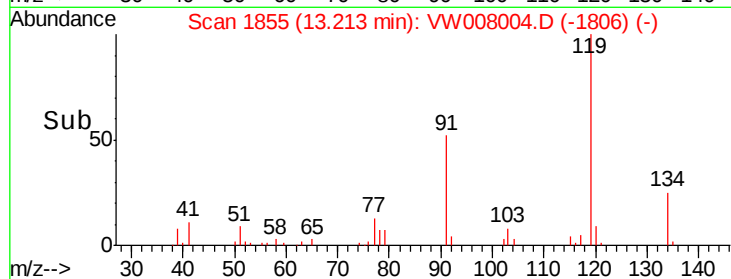
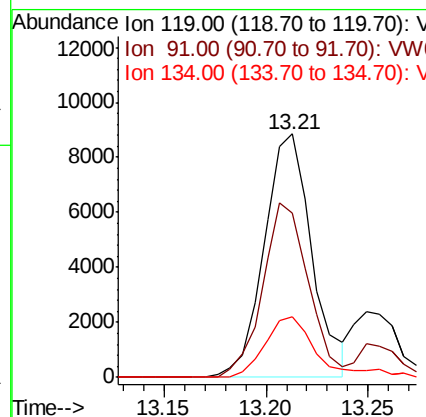
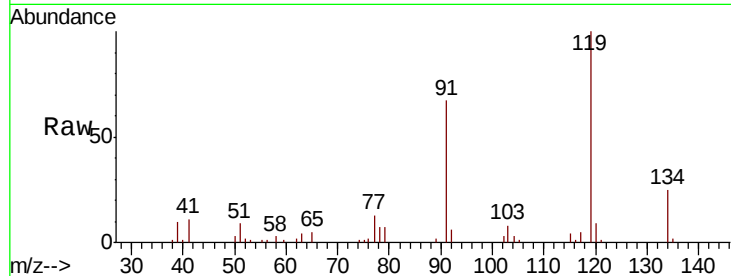
#83
tert-Butylbenzene
Concen: 4.788 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.7	104.1
134	26.9	11.5	34.4

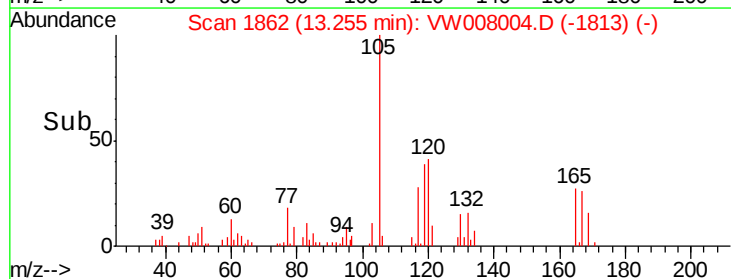
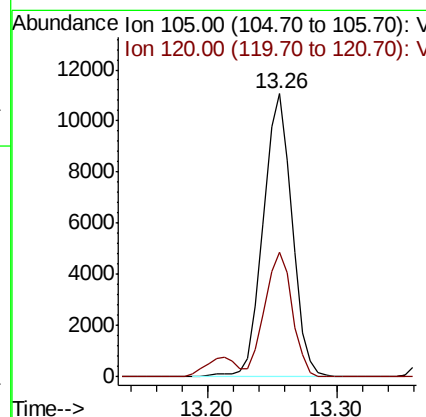
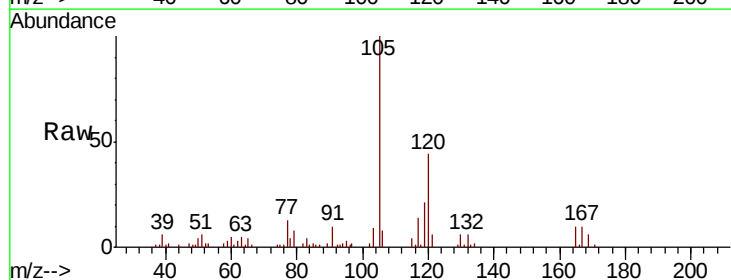
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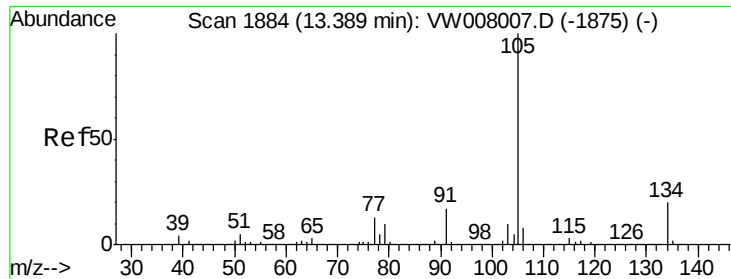
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#84
1,2,4-Trimethylbenzene
Concen: 4.915 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.5	64.5





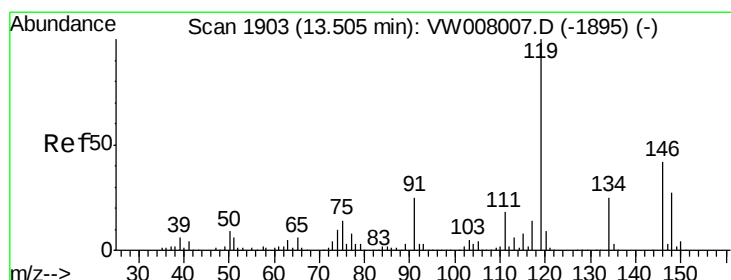
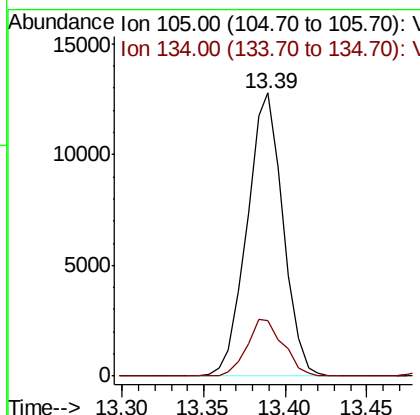
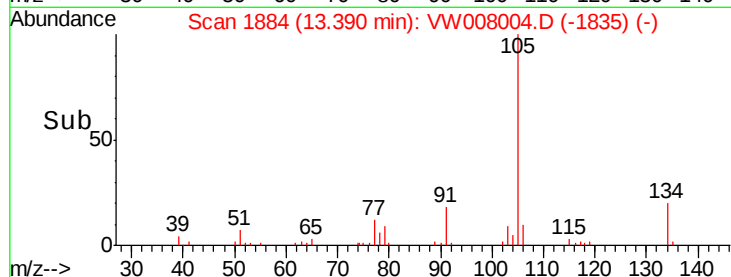
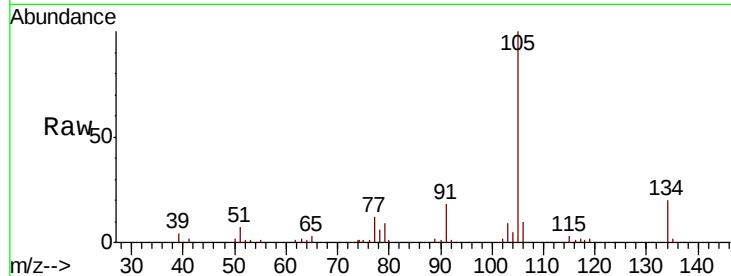
#85
 sec-Butylbenzene
 Concen: 4.725 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 19567
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.7 28.9

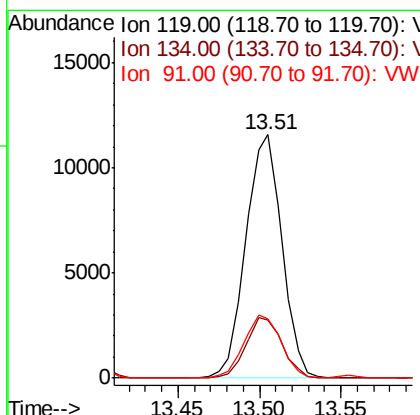
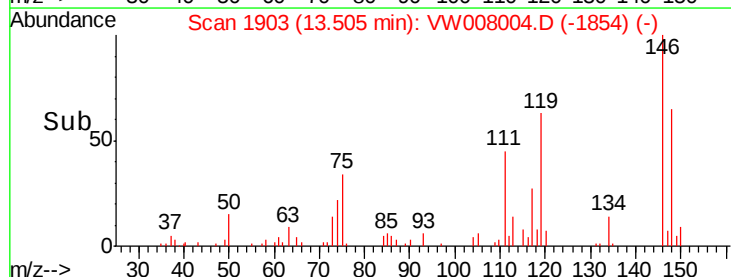
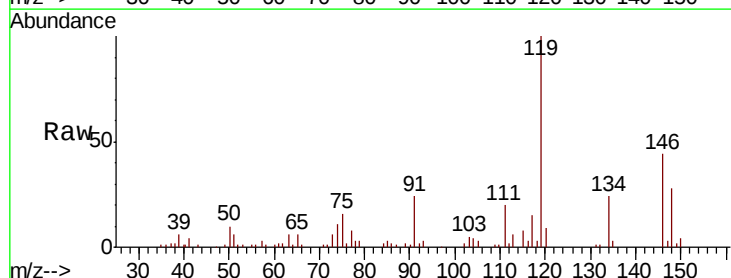
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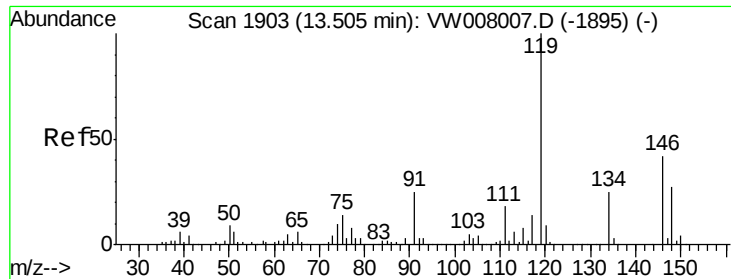
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#86
 p-Isopropyltoluene
 Concen: 4.775 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Tgt Ion:119 Resp: 17836
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.5 37.5
 91 26.5 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 4.853 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008004.D

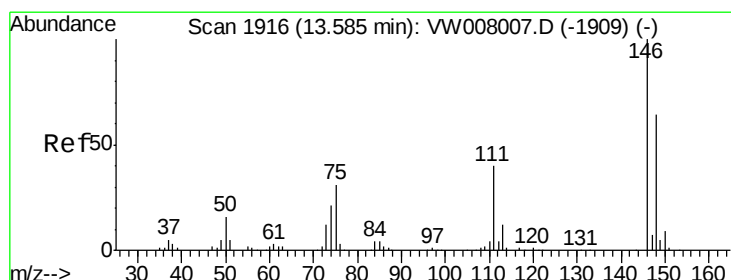
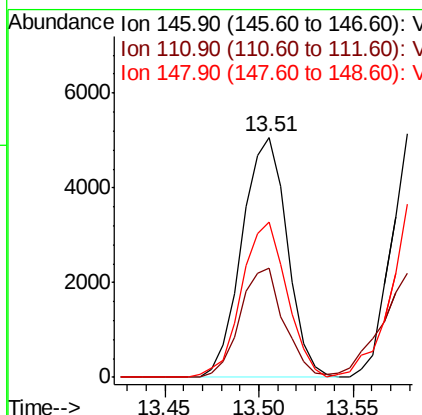
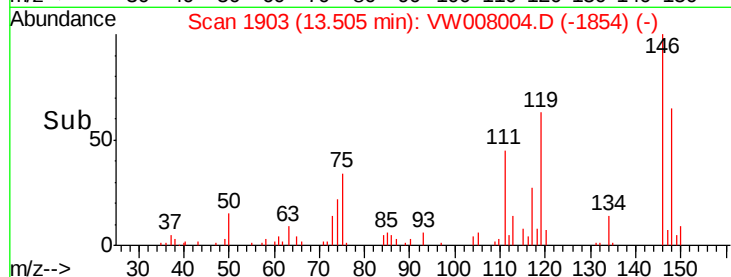
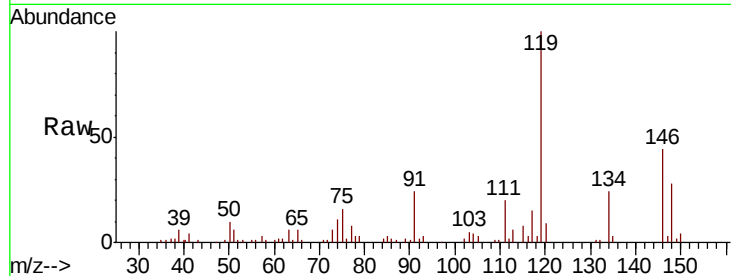
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.4	64.2
148	64.6	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 4.950 ug/l

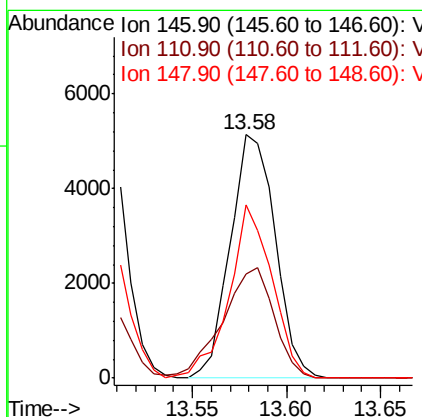
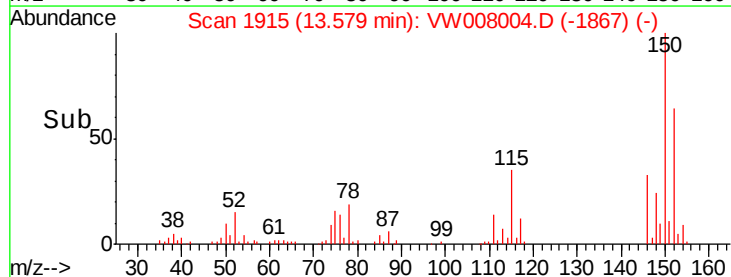
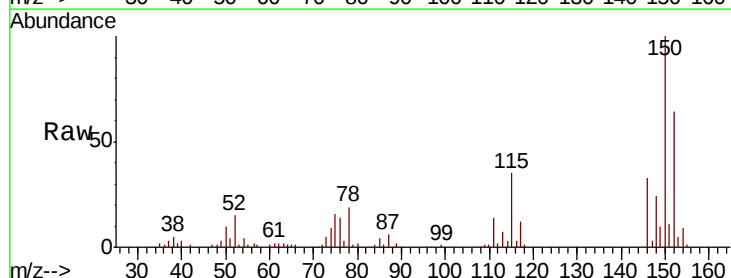
RT: 13.58 min Scan# 1915

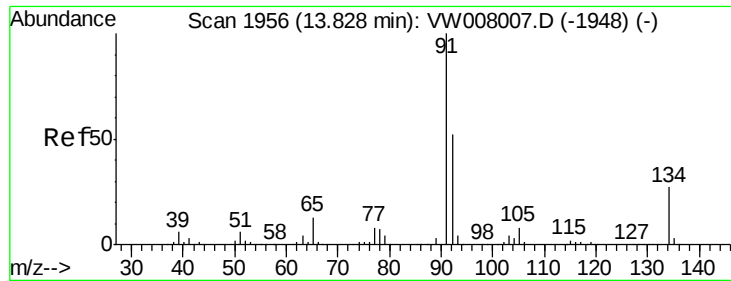
Delta R.T. -0.01 min

Lab File: VW008004.D

Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.9	20.9	62.8
148	67.6	31.9	95.9





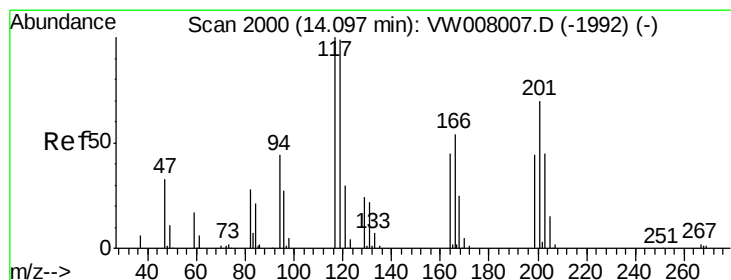
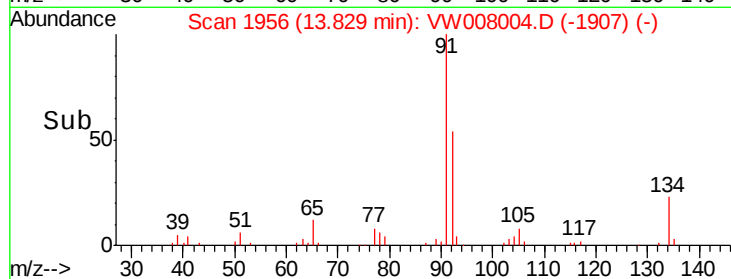
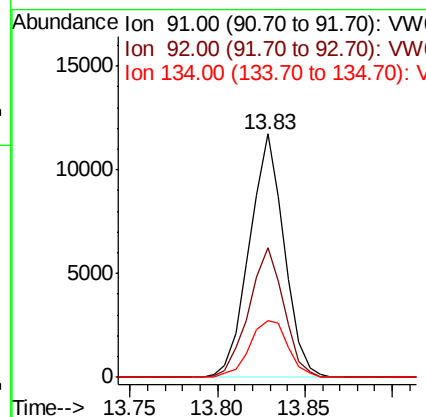
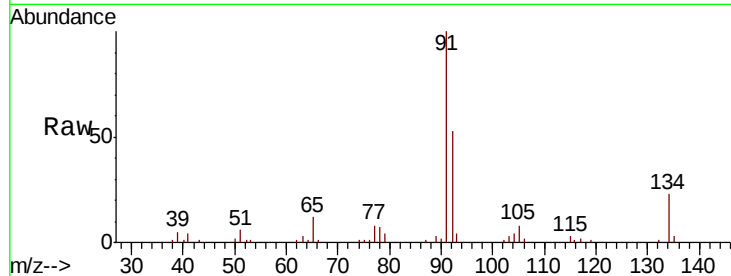
#89
n-Butylbenzene
Concen: 4.771 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	26.0	13.4	40.2

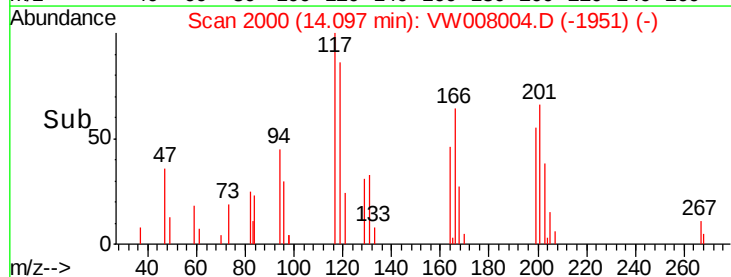
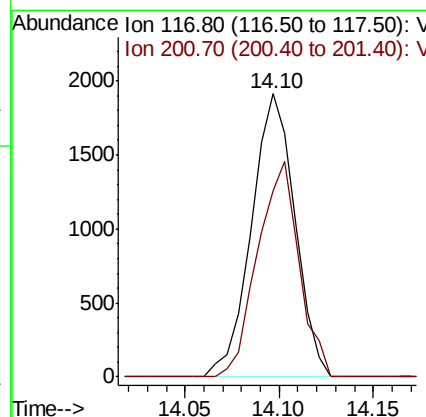
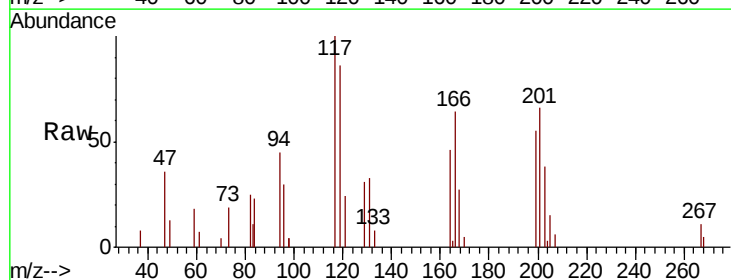
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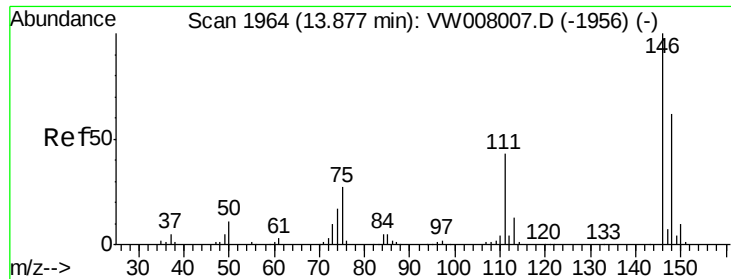
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#90
Hexachloroethane
Concen: 4.718 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	37.1	111.5





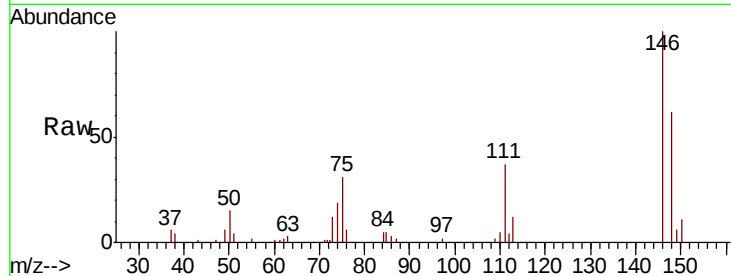
#91
 1,2-Dichlorobenzene
 Concen: 5.078 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.6	67.7
148	62.3	32.1	96.3

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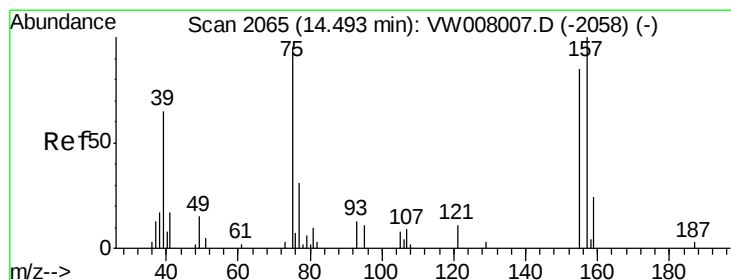
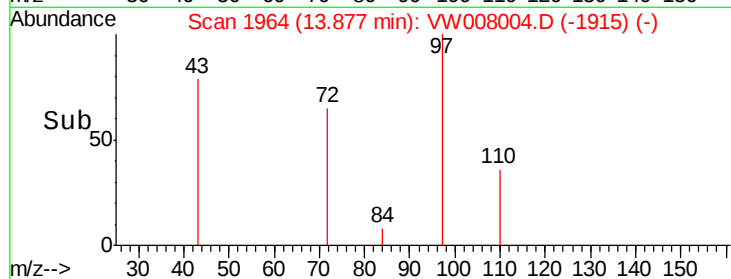
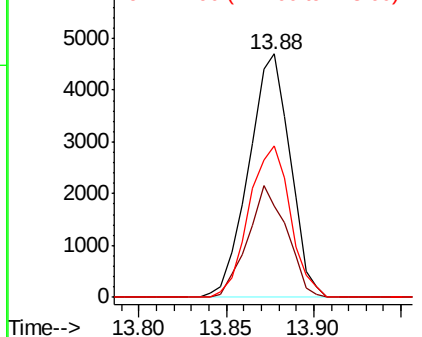


Abundance

Ion 145.90 (145.60 to 146.60): V

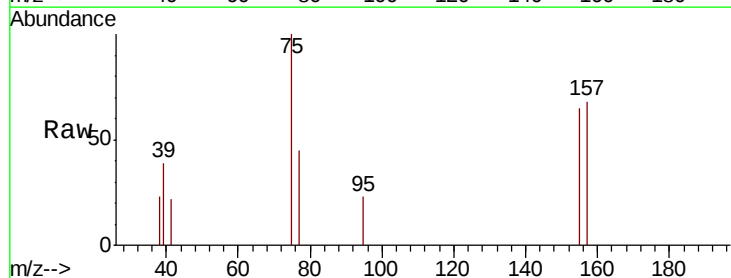
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.234 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	42.4	127.1
157	110.1	52.3	156.8

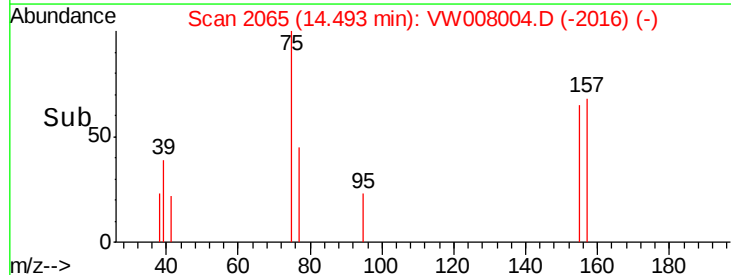
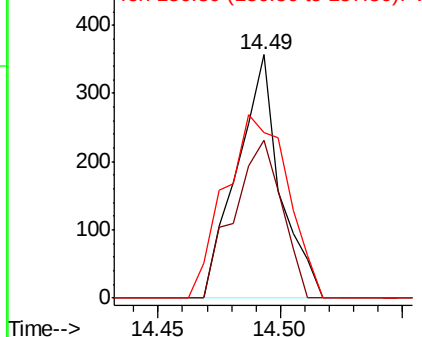


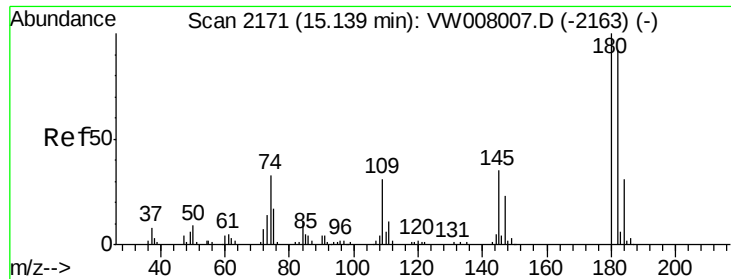
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





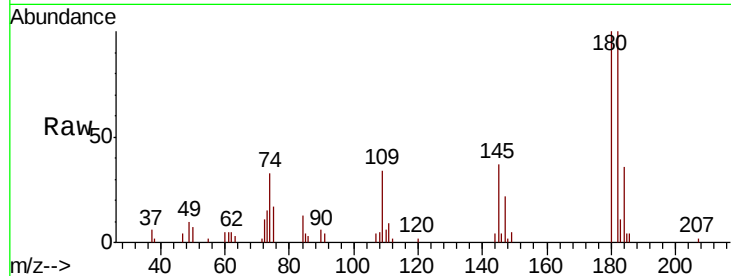
#93
 1,2,4-Trichlorobenzene
 Concen: 4.676 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.8
145	36.1	17.2	51.6

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:10 AM

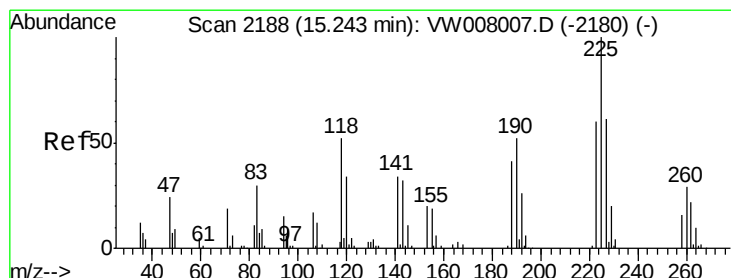
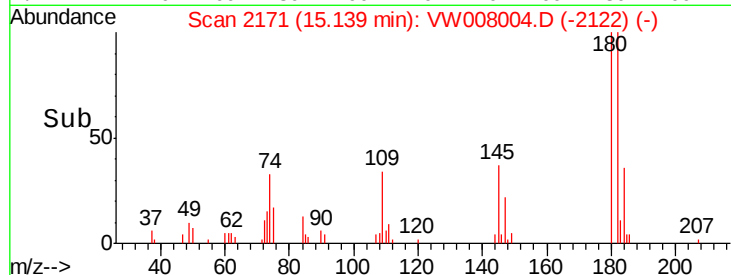
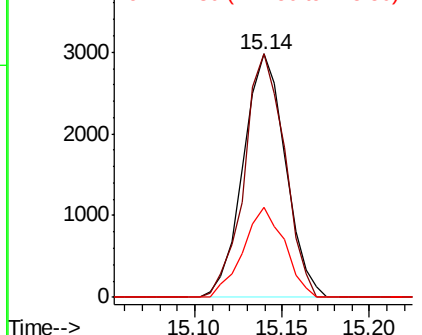


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.707 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008004.D
 Acq: 02 Jan 2019 12:53

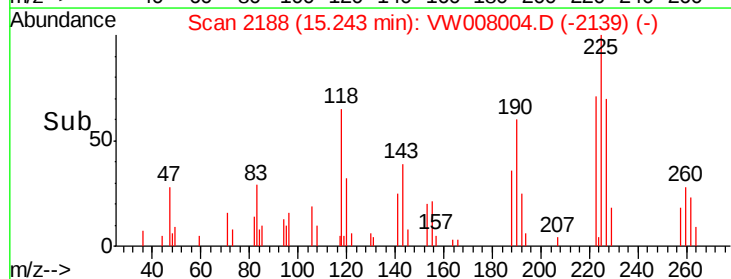
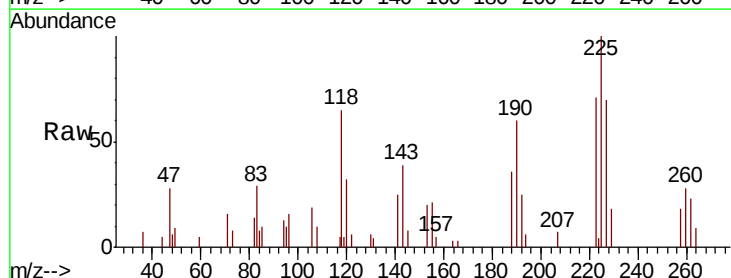
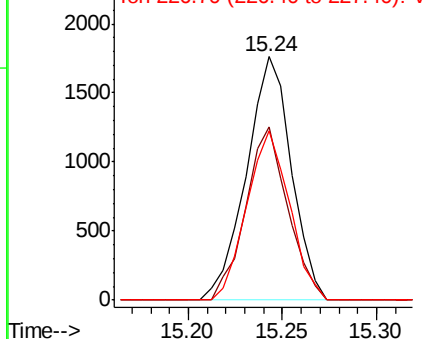
Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	30.6	92.0
227	66.1	31.3	93.8

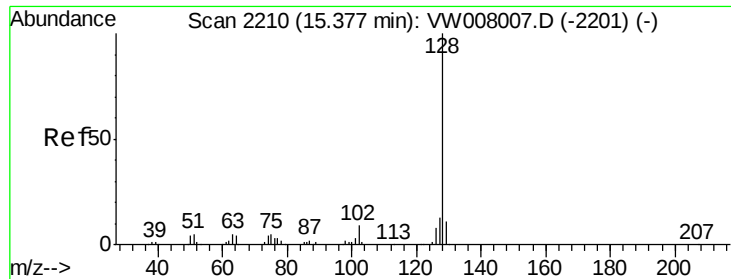
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





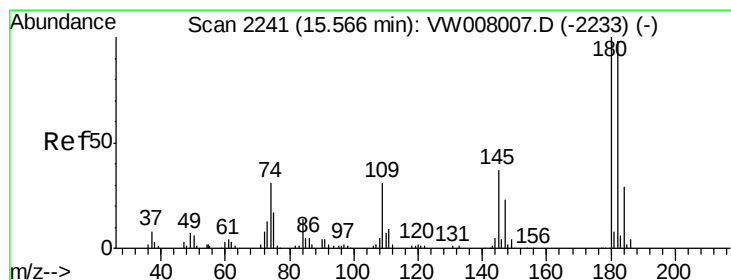
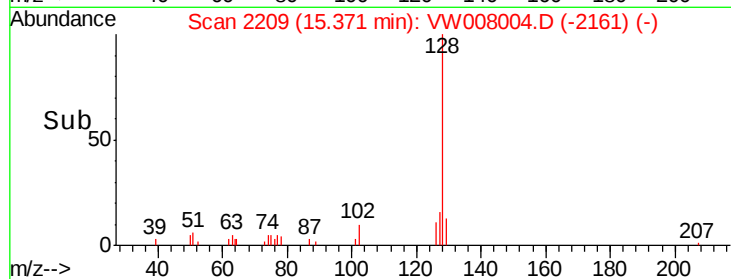
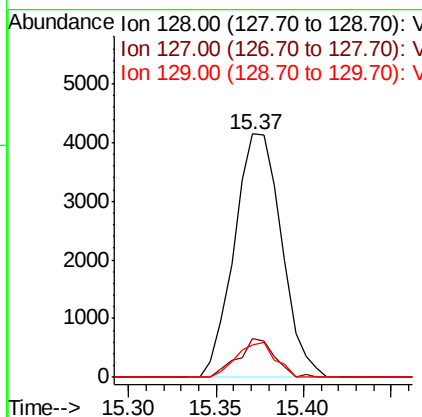
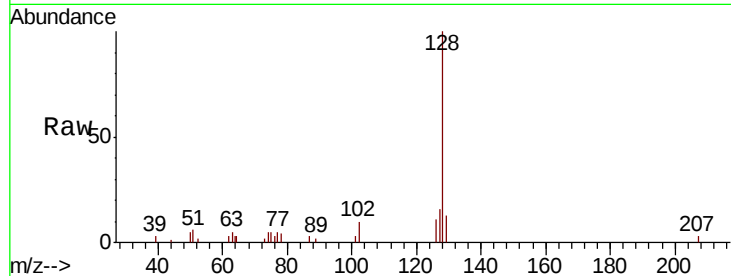
#95
Naphthalene
Concen: 4.274 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.8	16.2
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.813 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008004.D
Acq: 02 Jan 2019 12:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.9	143.8
145	35.8	18.7	56.1

