

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008324.D
 Acq On : 17 Jan 2019 13:13
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:09:26 PM

Quant Time: Jan 18 00:39:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:24:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	178863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	11128	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
35) Dibromofluoromethane	7.88	113	11480	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
50) Toluene-d8	10.32	98	42763	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
62) 4-Bromofluorobenzene	12.62	95	15675	9.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	6316	9.245	ug/l	100
3) Chloromethane	2.21	50	9757	9.742	ug/l	98
4) Vinyl Chloride	2.36	62	12691	9.918	ug/l #	86
5) Bromomethane	2.78	94	9102	9.386	ug/l	90
6) Chloroethane	2.93	64	7958	9.501	ug/l	94
7) Trichlorofluoromethane	3.26	101	8501	9.048	ug/l	88
8) Diethyl Ether	3.68	74	6339	9.729	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	10511	9.609	ug/l	96
10) Methyl Iodide	4.27	142	16564	9.389	ug/l	99
11) Tert butyl alcohol	5.17	59	3602	46.199	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	11193	10.061	ug/l	91
13) Acrolein	3.89	56	2501m	37.345	ug/l	
14) Allyl chloride	4.67	41	18809	10.113	ug/l	96
15) Acrylonitrile	5.37	53	12159	48.582	ug/l #	87
16) Acetone	4.12	43	12787	48.817	ug/l	100
17) Carbon Disulfide	4.37	76	29895	8.831	ug/l	100
18) Methyl Acetate	4.66	43	7234	10.339	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	16325	9.586	ug/l	98
20) Methylene Chloride	4.91	84	15228	10.948	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	11820	9.459	ug/l	93
22) Diisopropyl ether	6.31	45	35155	9.681	ug/l	94
23) Vinyl Acetate	6.25	43	87779	45.223	ug/l	96
24) 1,1-Dichloroethane	6.21	63	21132	9.558	ug/l	96
25) 2-Butanone	7.18	43	15630	46.589	ug/l	100
26) 2,2-Dichloropropane	7.17	77	15000	10.631	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	13010	9.610	ug/l	95
28) Bromochloromethane	7.51	49	8781	9.640	ug/l #	98
29) Tetrahydrofuran	7.53	42	9656	46.168	ug/l	98
30) Chloroform	7.67	83	21240	9.710	ug/l	96
31) Cyclohexane	7.95	56	21562	10.236	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	17664	9.621	ug/l	95
36) 1,1-Dichloropropene	8.08	75	17017	9.456	ug/l	98
37) Ethyl Acetate	7.26	43	6664	8.980	ug/l #	77
38) Carbon Tetrachloride	8.07	117	17440	9.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	19258	8.997	ug/l	94
40) Benzene	8.32	78	48441	9.503	ug/l	98
41) Methacrylonitrile	7.49	41	4201	9.725	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	13876	9.735	ug/l	97
43) Isopropyl Acetate	8.43	43	13033	9.298	ug/l	96
44) Trichloroethene	9.09	130	12719	9.107	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12480	9.856	ug/l #	87
46) Dibromomethane	9.46	93	6199	9.393	ug/l	98
47) Bromodichloromethane	9.64	83	15564	9.561	ug/l	99
48) Methyl methacrylate	9.44	41	5810	8.805	ug/l #	92
49) 1,4-Dioxane	9.45	88	2027	190.802	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	32188	45.350	ug/l	97
52) Toluene	10.39	92	30205	9.363	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	14581	8.975	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	17756	9.271	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8542	9.332	ug/l	97
56) Ethyl methacrylate	10.65	69	9362	8.709	ug/l	97
57) 1,3-Dichloropropane	10.93	76	14806	9.316	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	22836	44.041	ug/l	99
59) 2-Hexanone	10.97	43	21619	43.472	ug/l	98
60) Dibromochloromethane	11.13	129	10368	9.491	ug/l	98
61) 1,2-Dibromoethane	11.24	107	8527	9.620	ug/l	100
64) Tetrachloroethene	10.86	164	10823	9.393	ug/l	92
65) Chlorobenzene	11.66	112	34980	9.759	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	11390	9.233	ug/l	96
67) Ethyl Benzene	11.73	91	60184	9.670	ug/l	99
68) m/p-Xylenes	11.84	106	45904	19.003	ug/l	98
69) o-Xylene	12.17	106	21742	9.634	ug/l	97
70) Styrene	12.18	104	34619	9.550	ug/l	99
71) Bromoform	12.35	173	5566	9.057	ug/l #	97
73) Isopropylbenzene	12.47	105	58418	9.586	ug/l	99
74) N-amyl acetate	12.27	43	11807	9.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10228	9.867	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	8379m	10.306	ug/l	
77) Bromobenzene	12.75	156	14345	9.800	ug/l	99
78) n-propylbenzene	12.80	91	70124	9.507	ug/l	100
79) 2-Chlorotoluene	12.90	91	40509	9.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	49515	9.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2910	9.118	ug/l	98
82) 4-Chlorotoluene	12.99	91	42767	9.711	ug/l	100
83) tert-Butylbenzene	13.21	119	42515	9.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	50525	9.753	ug/l	98
85) sec-Butylbenzene	13.39	105	60204	9.369	ug/l	98
86) p-Isopropyltoluene	13.50	119	52829	9.412	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28714	9.873	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	28700	9.850	ug/l	96
89) n-Butylbenzene	13.83	91	50780	9.432	ug/l	99
90) Hexachloroethane	14.10	117	10316	9.932	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	25412	9.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1576	9.299	ug/l	97

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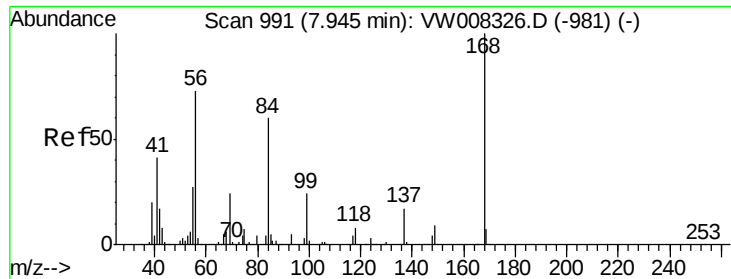
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	16119	9.273	ug/l	100
94) Hexachlorobutadiene	15.24	225	9319	9.513	ug/l	98
95) Naphthalene	15.38	128	24645	8.485	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	14518	9.589	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008324.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 108427

Ion Ratio Lower Upper

168 100

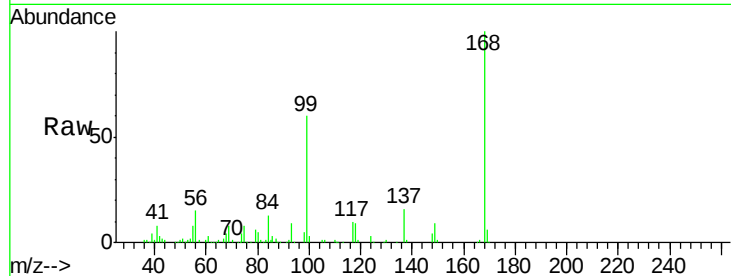
99 59.9 44.6 66.8

Manual Integrations

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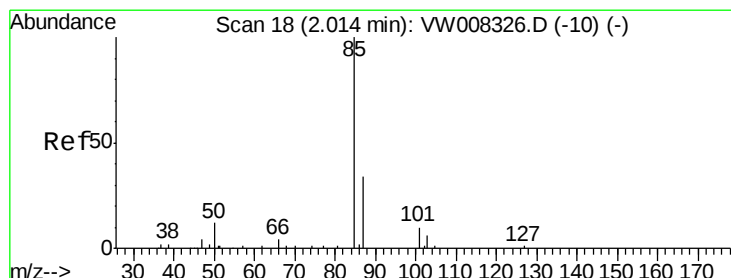
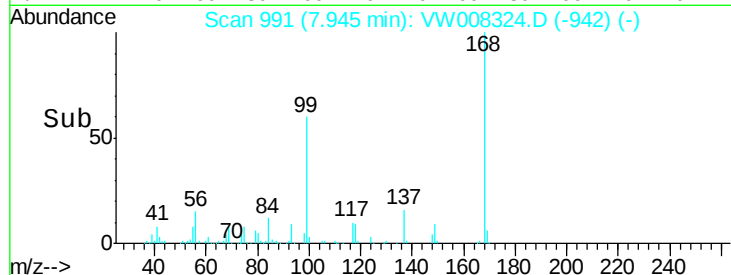
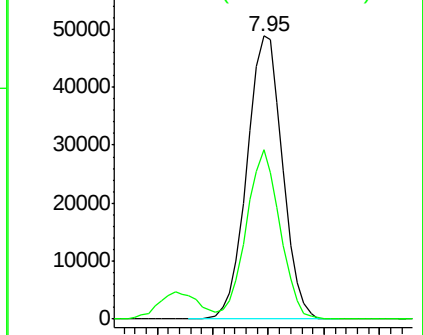
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 9.245 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008324.D

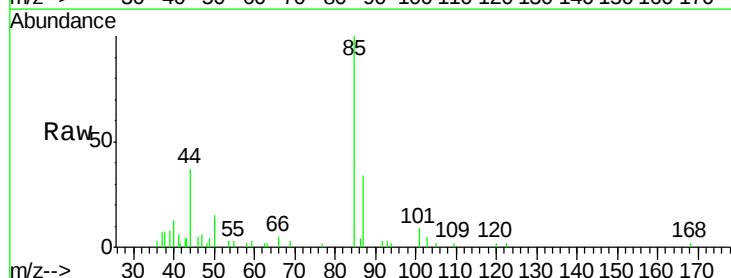
Acq: 17 Jan 2019 13:13

Tgt Ion: 85 Resp: 6316

Ion Ratio Lower Upper

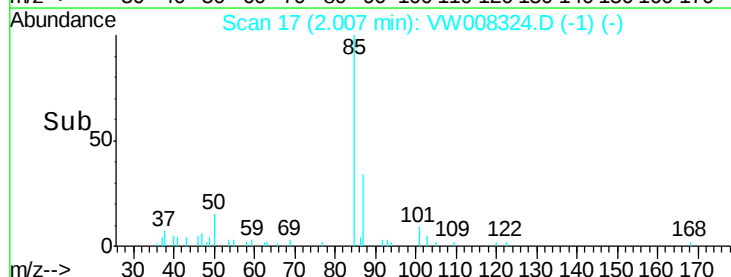
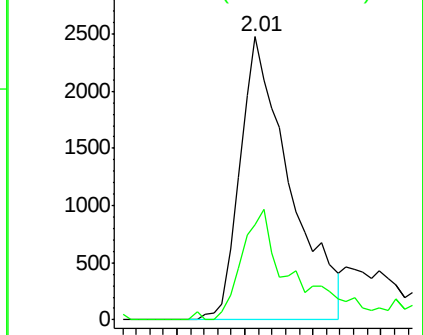
85 100

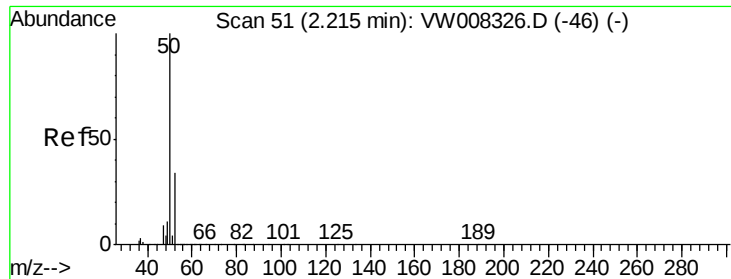
87 33.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 9.742 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 9757

Ion Ratio Lower Upper

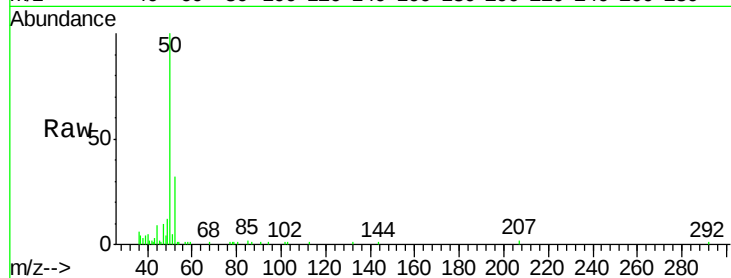
50 100

52 32.0 26.7 40.1

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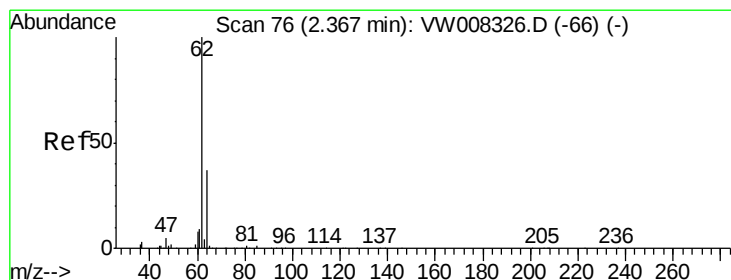
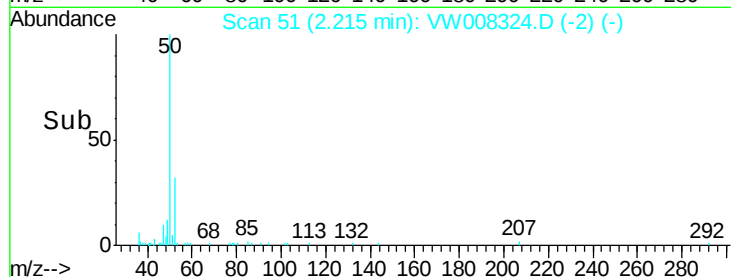
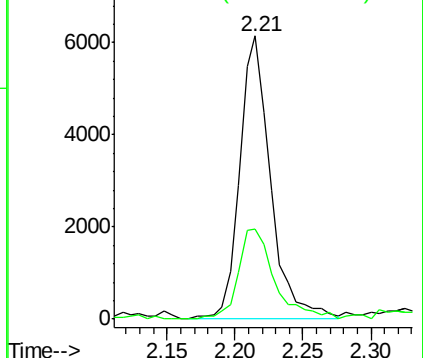
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 9.918 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008324.D

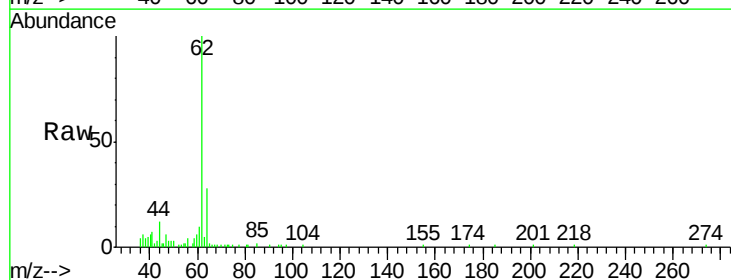
Acq: 17 Jan 2019 13:13

Tgt Ion: 62 Resp: 12691

Ion Ratio Lower Upper

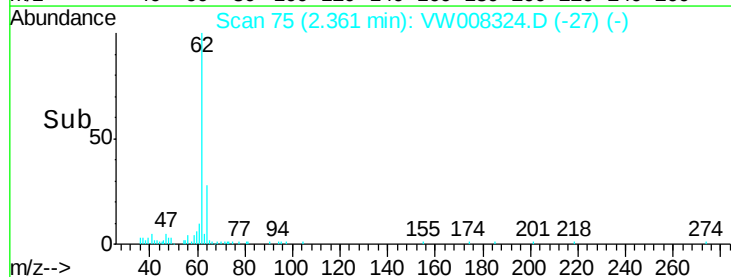
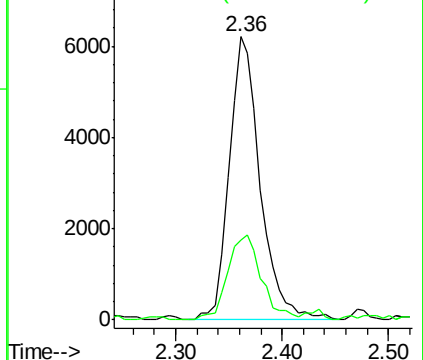
62 100

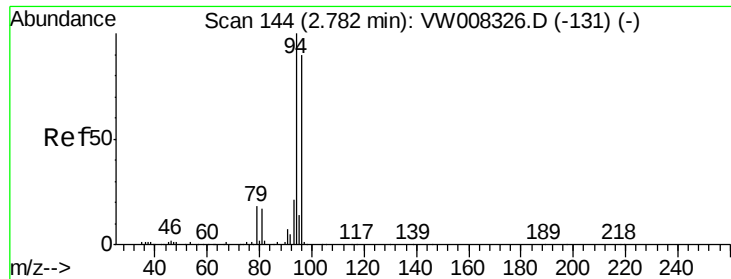
64 28.4 29.4 44.2#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 9.386 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 9102

Ion Ratio Lower Upper

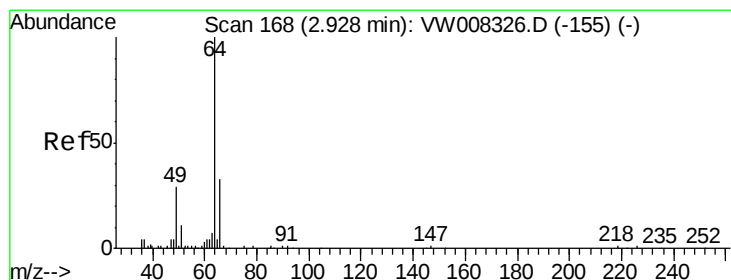
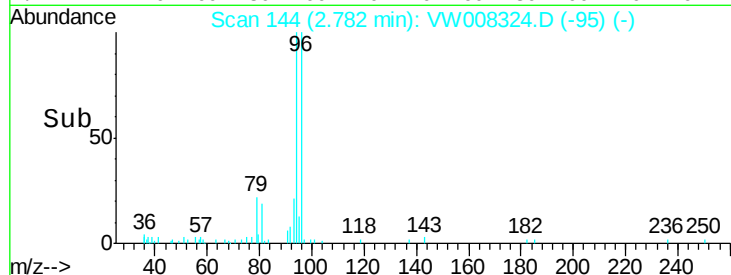
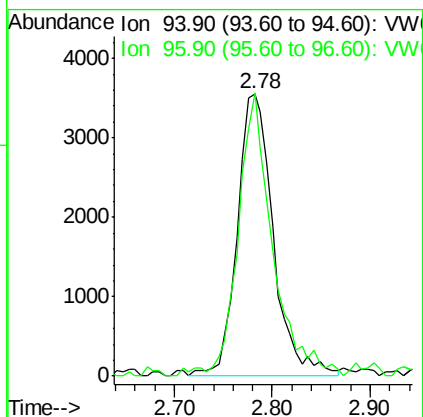
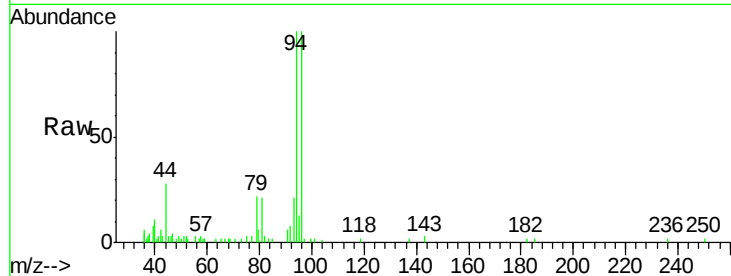
94 100

96 98.7 71.4 107.0

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#6

Chloroethane

Concen: 9.501 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008324.D

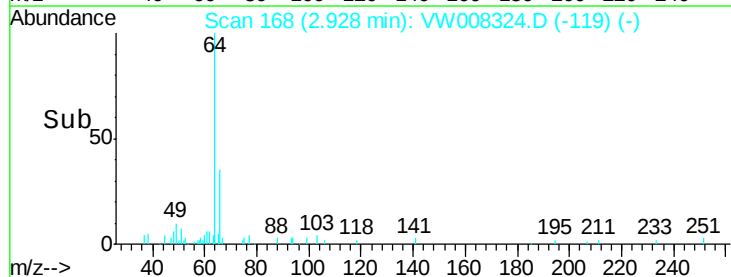
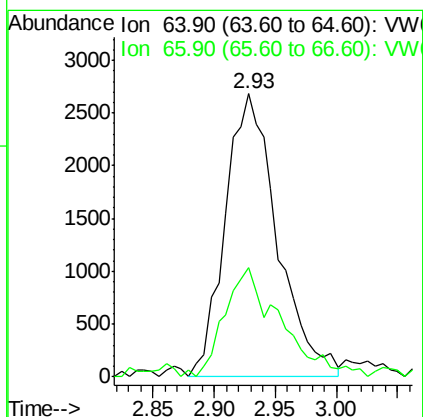
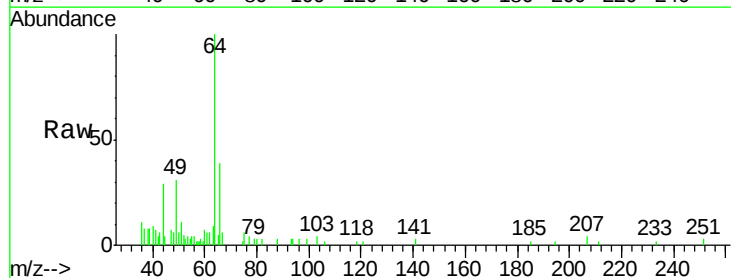
Acq: 17 Jan 2019 13:13

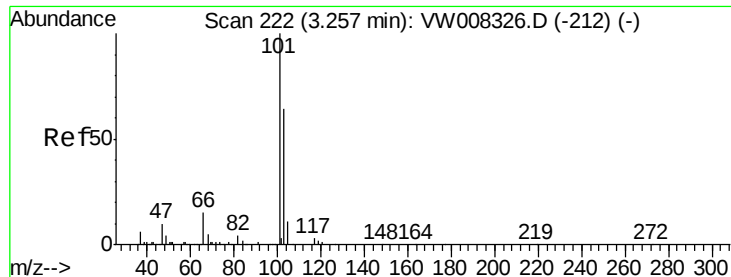
Tgt Ion: 64 Resp: 7958

Ion Ratio Lower Upper

64 100

66 36.2 26.2 39.4





#7

Trichlorofluoromethane

Concen: 9.048 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 8501

Ion Ratio Lower Upper

101 100

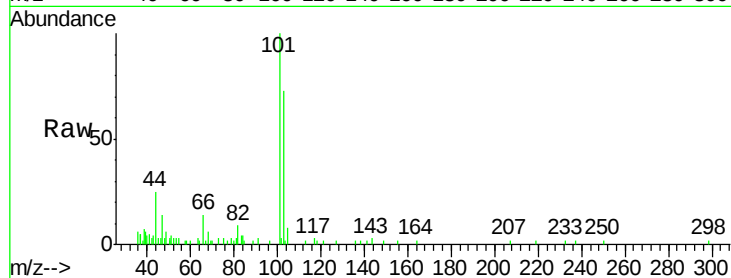
103 72.9 50.9 76.3

Manual Integrations

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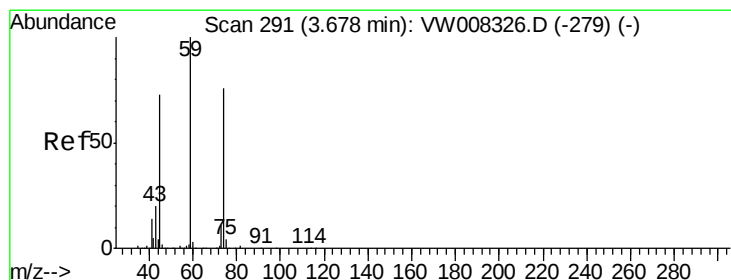
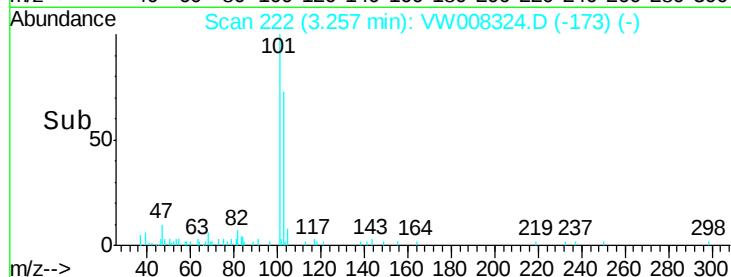
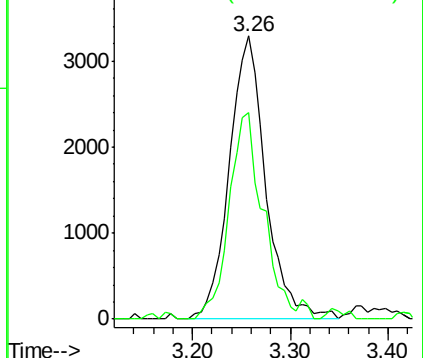
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 9.729 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW008324.D

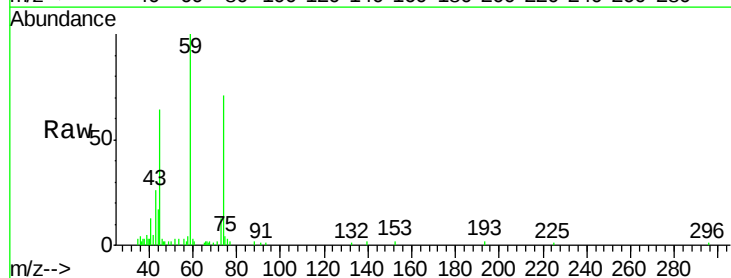
Acq: 17 Jan 2019 13:13

Tgt Ion: 74 Resp: 6339

Ion Ratio Lower Upper

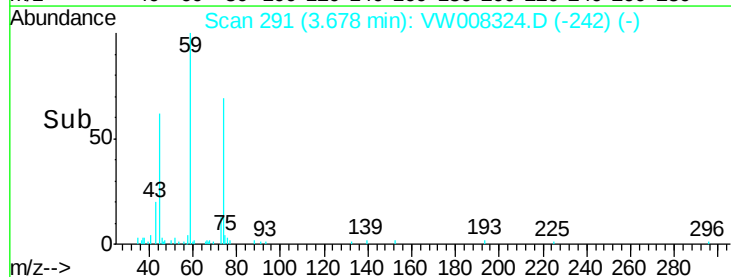
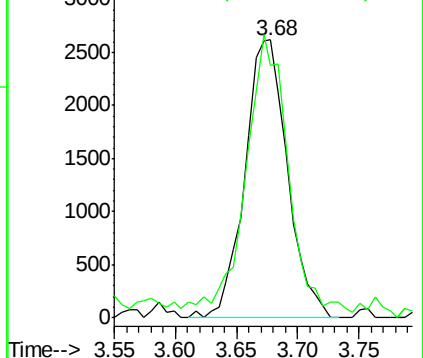
74 100

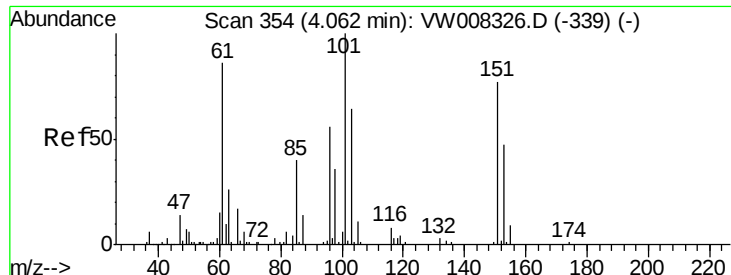
45 99.3 50.1 150.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.609 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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MSVOA_W

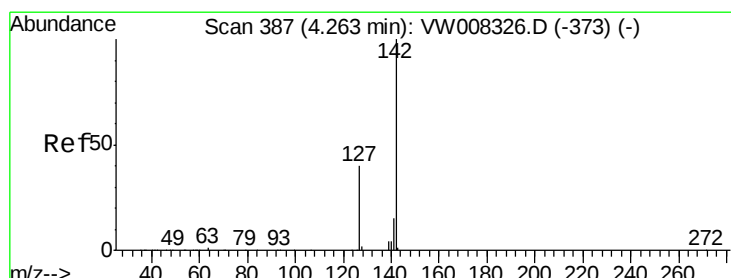
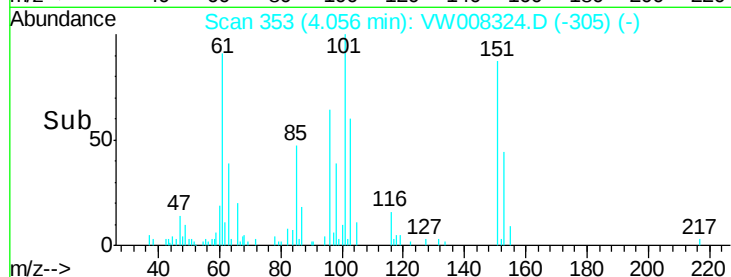
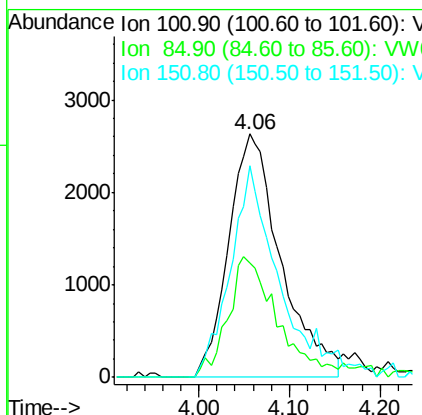
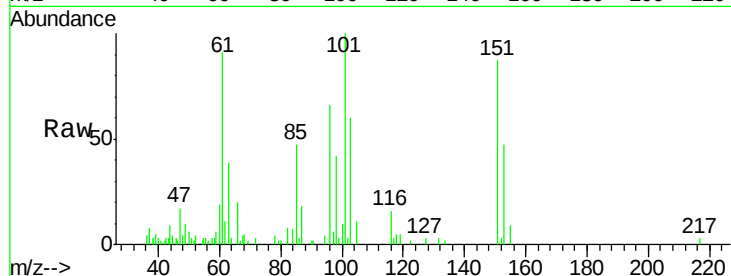
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	10511
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.0	54.0
151	81.9	62.3	93.5

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#10

Methyl Iodide

Concen: 9.389 ug/l

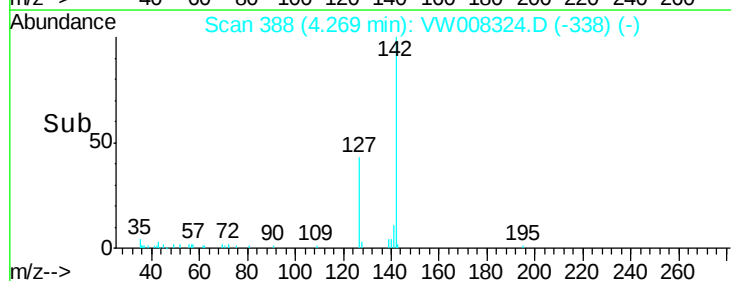
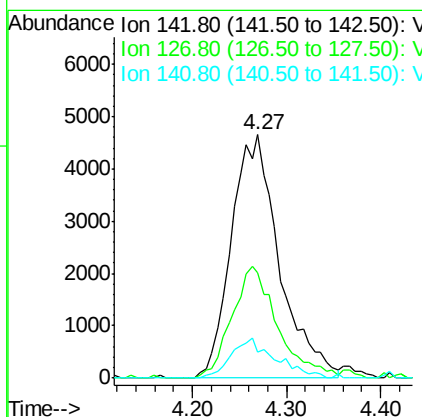
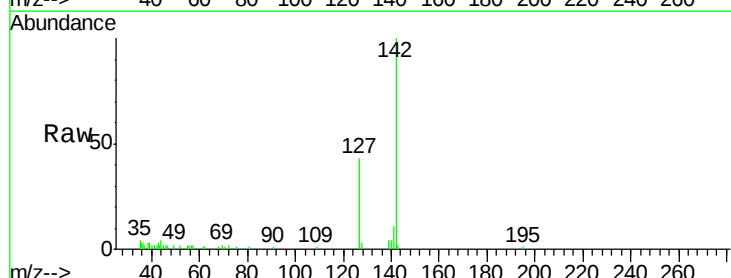
RT: 4.27 min Scan# 388

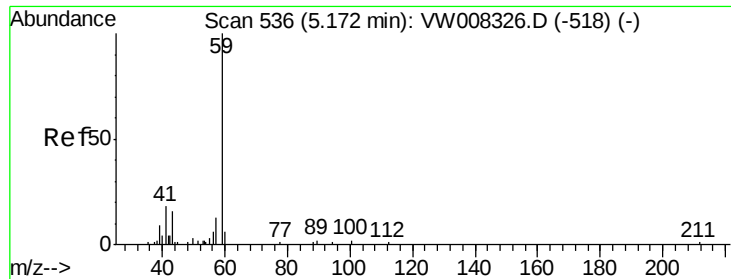
Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	142	Resp:	16564
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.3	51.5
141	15.1	12.2	18.2





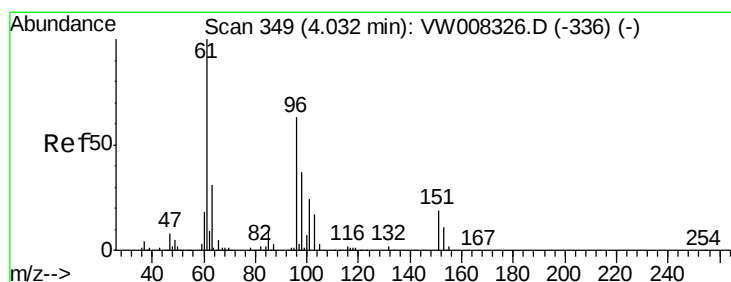
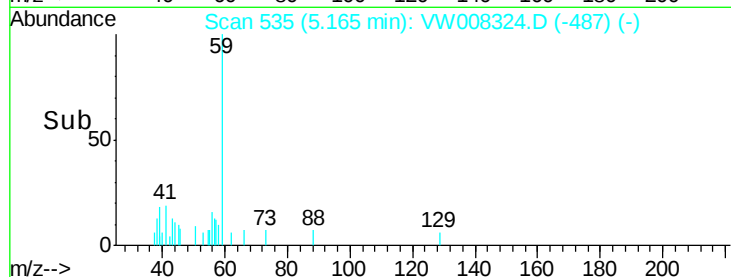
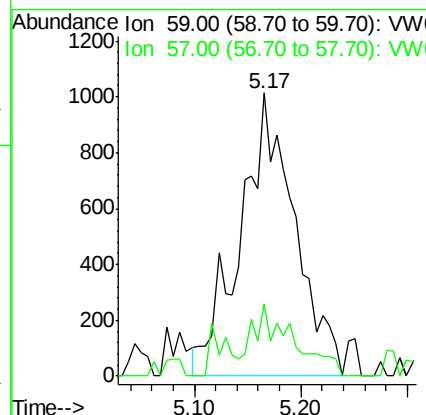
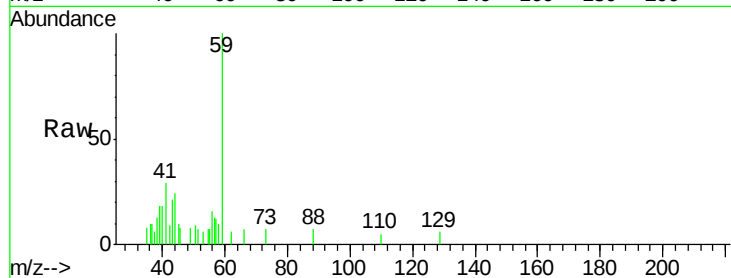
#11
Tert butyl alcohol
Concen: 46.199 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 3602
Ion Ratio Lower Upper
59 100
57 19.0 9.4 14.2#

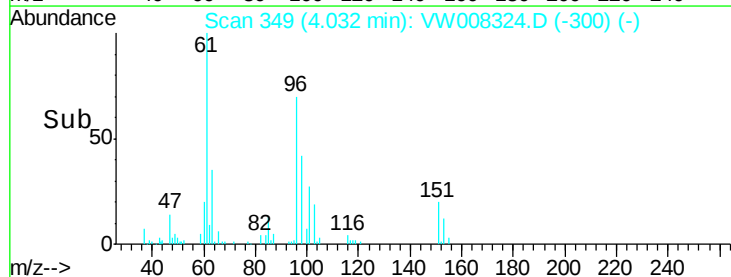
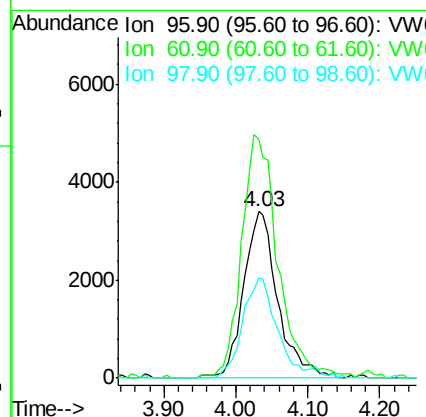
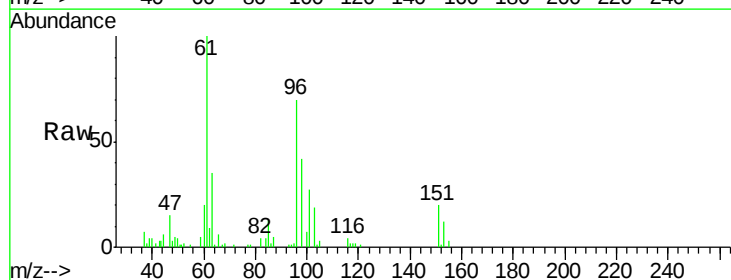
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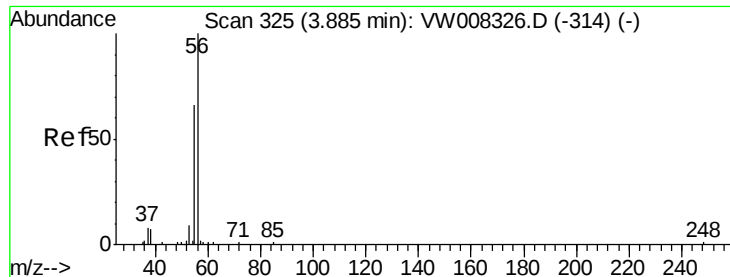
MMDadoda
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#12
1,1-Dichloroethene
Concen: 10.061 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion: 96 Resp: 11193
Ion Ratio Lower Upper
96 100
61 143.4 126.4 189.6
98 60.3 46.7 70.1





#13

Acrolein

Concen: 37.345 ug/l m

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 2501

Ion Ratio Lower Upper

56 100

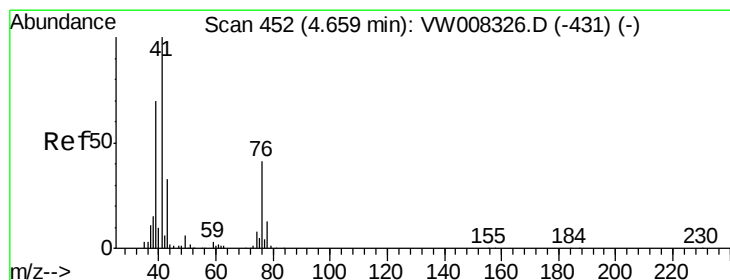
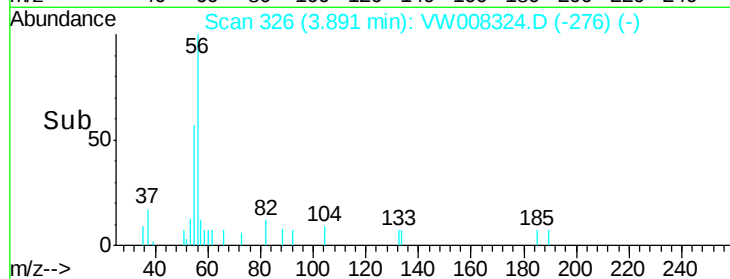
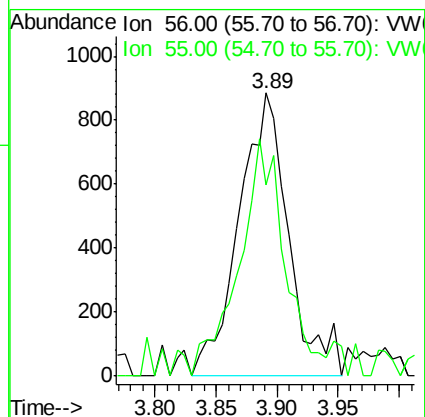
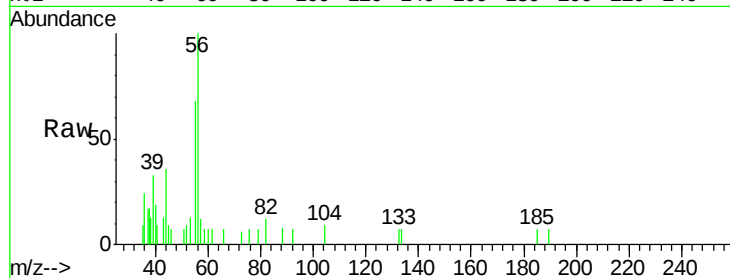
55 77.2 52.9 79.3

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#14

Allyl chloride

Concen: 10.113 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

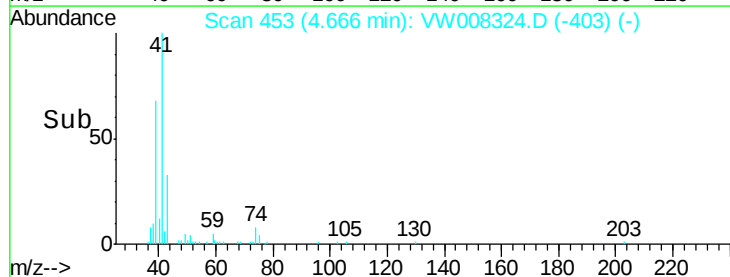
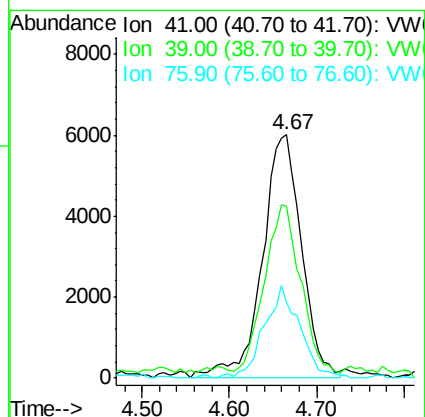
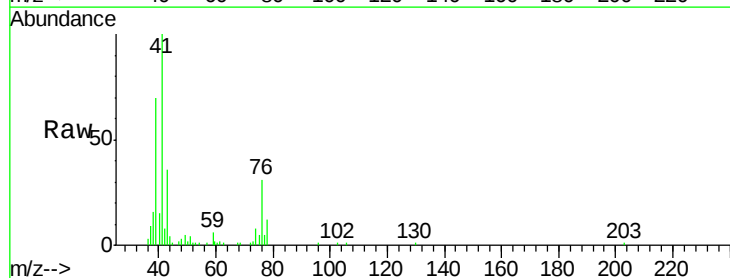
Tgt Ion: 41 Resp: 18809

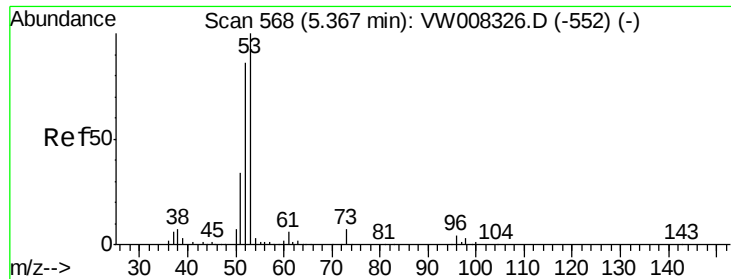
Ion Ratio Lower Upper

41 100

39 64.4 54.1 81.1

76 34.4 29.5 44.3





#15

Acrylonitrile

Concen: 48.582 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

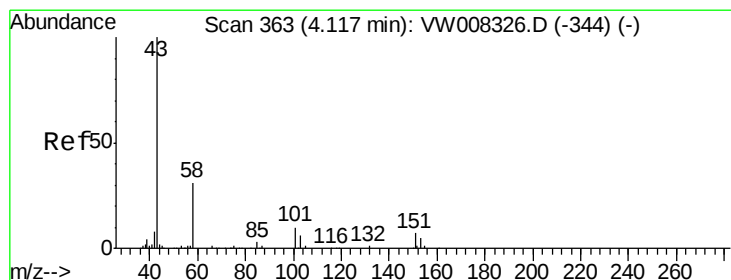
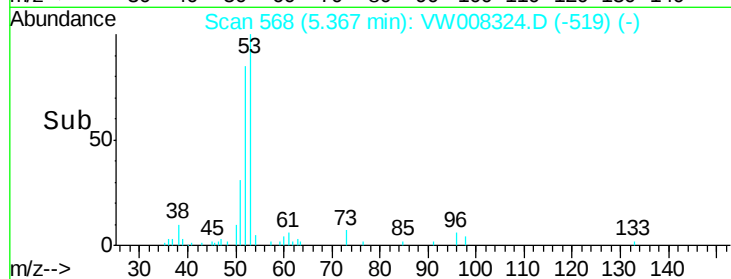
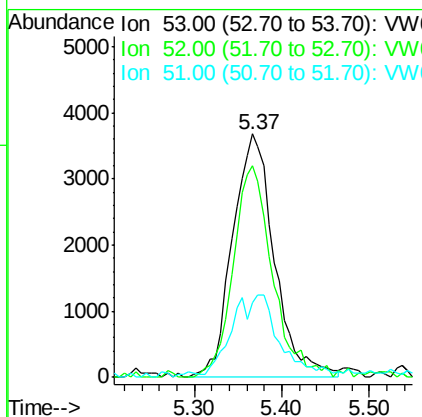
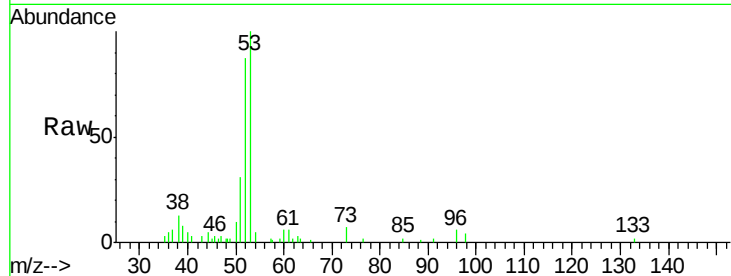
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	12159
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	14.0	29.6	44.4#

Manual Integrations
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#16

Acetone

Concen: 48.817 ug/l

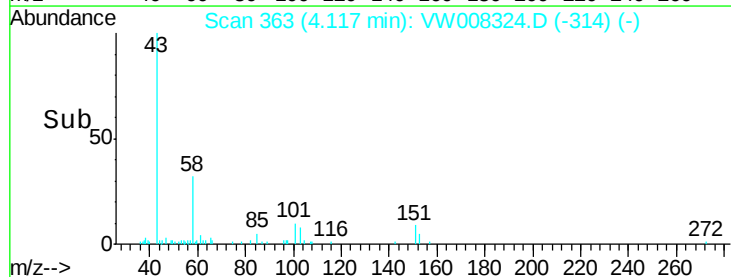
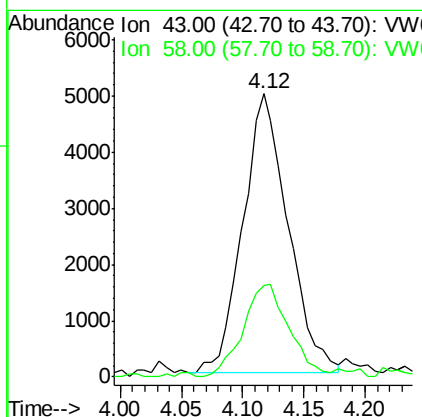
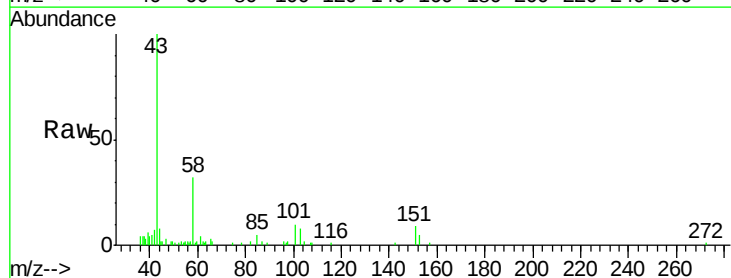
RT: 4.12 min Scan# 363

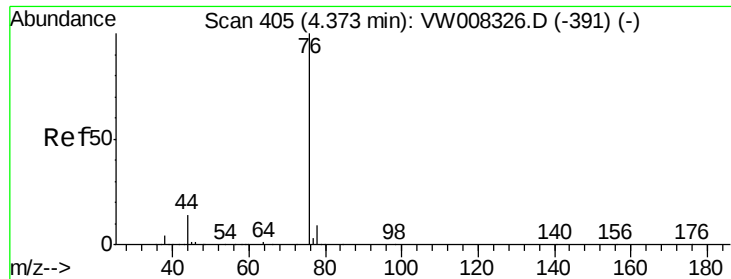
Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	43	Resp:	12787
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.7	37.1





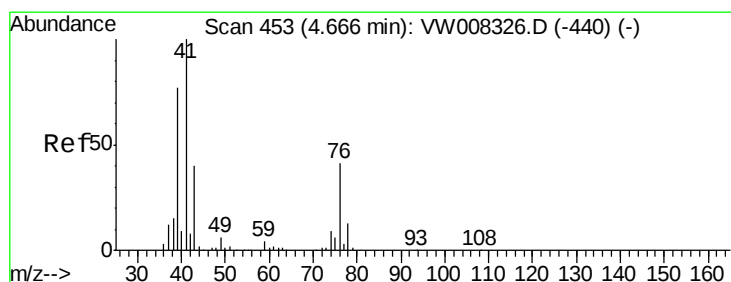
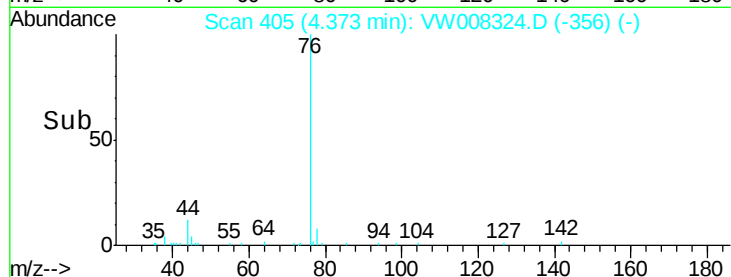
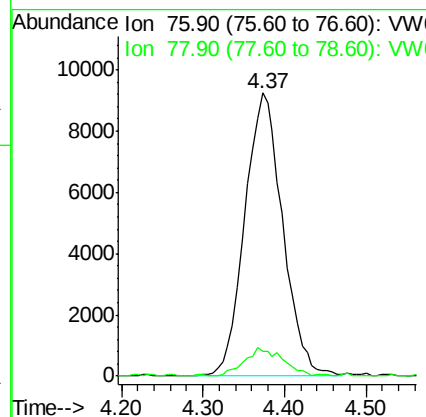
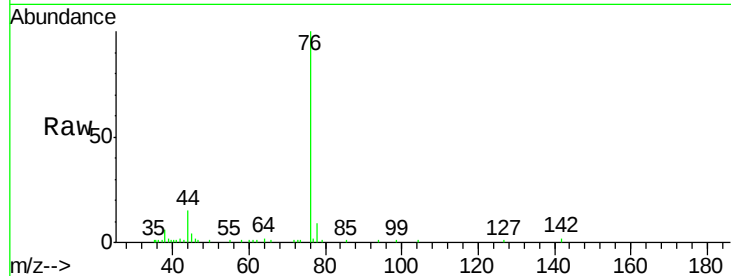
#17
Carbon Disulfide
Concen: 8.831 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

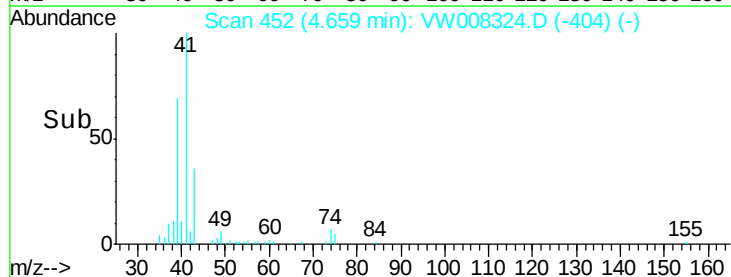
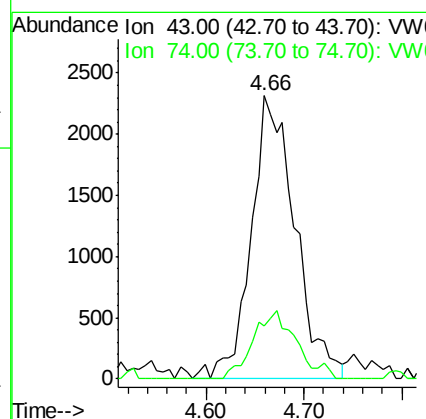
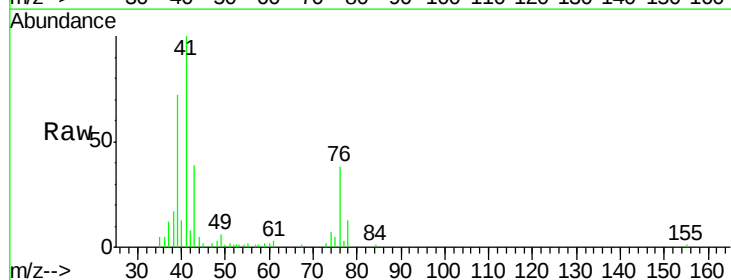
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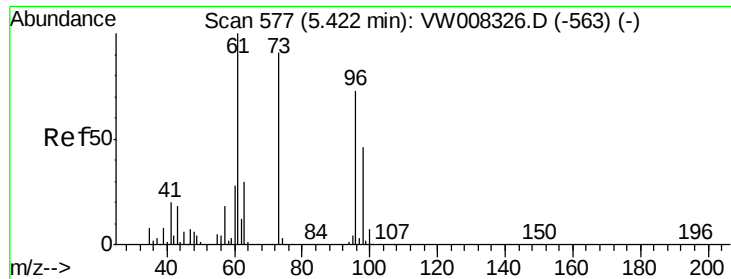
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#18
Methyl Acetate
Concen: 10.339 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.0





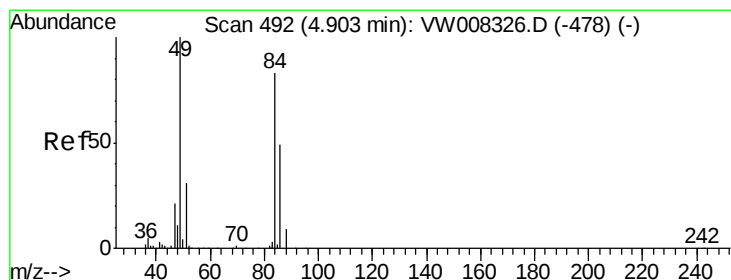
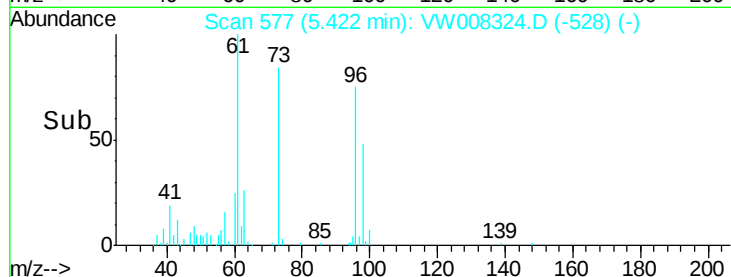
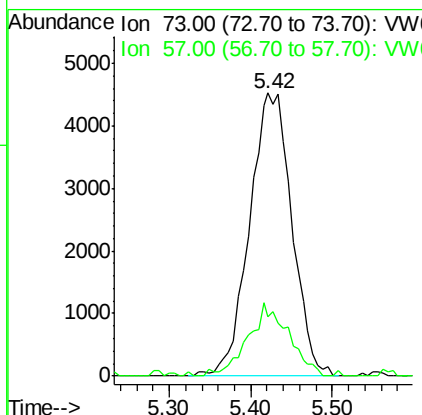
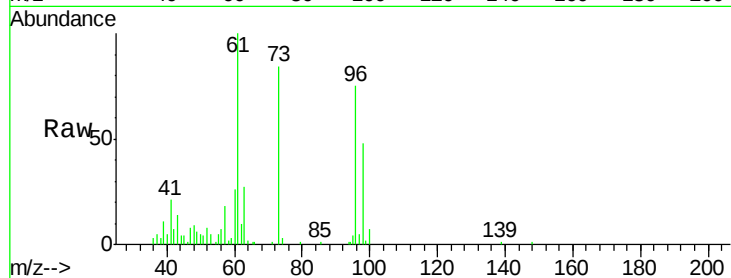
#19
Methvl tert-butvl Ether
Concen: 9.586 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	16.3	24.5

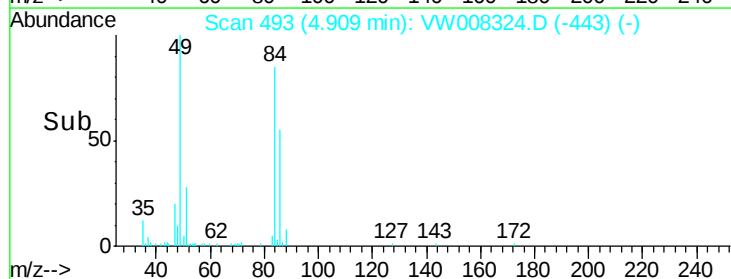
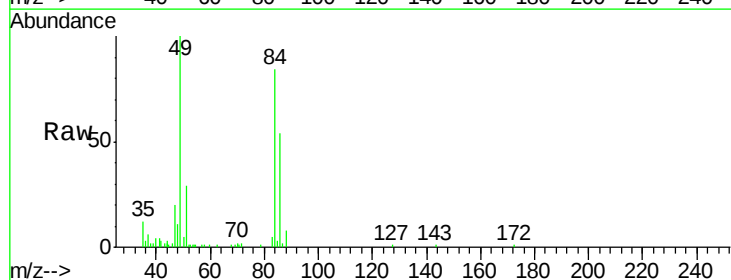
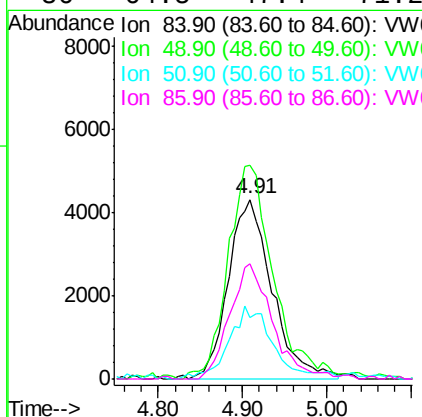
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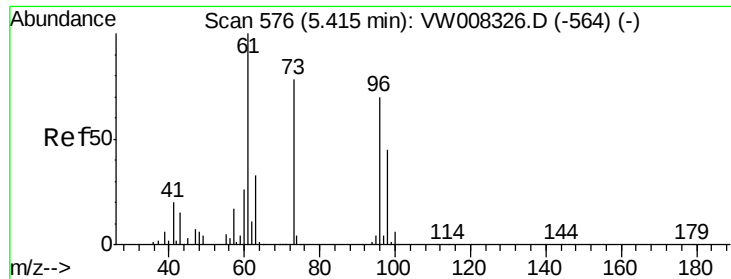
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#20
Methylene Chloride
Concen: 10.948 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	95.9	143.9
51	32.7	29.3	43.9
86	64.5	47.4	71.2





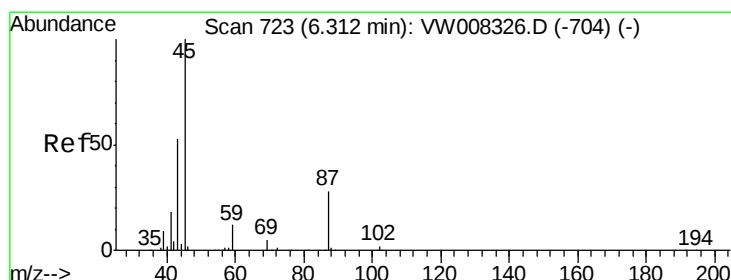
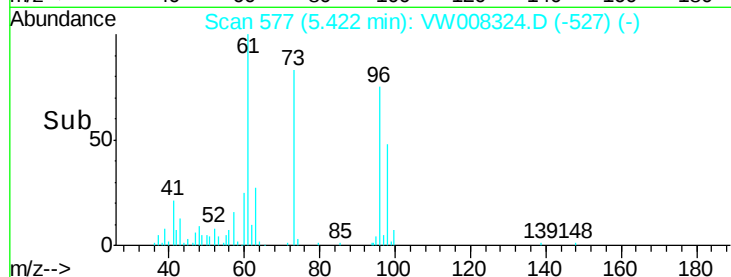
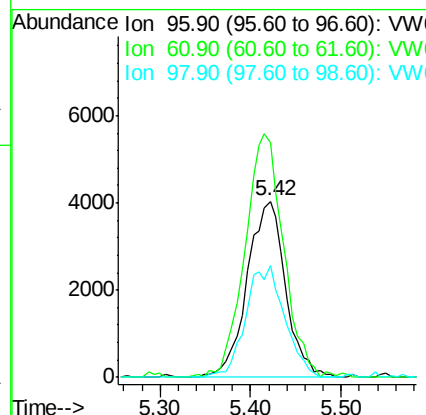
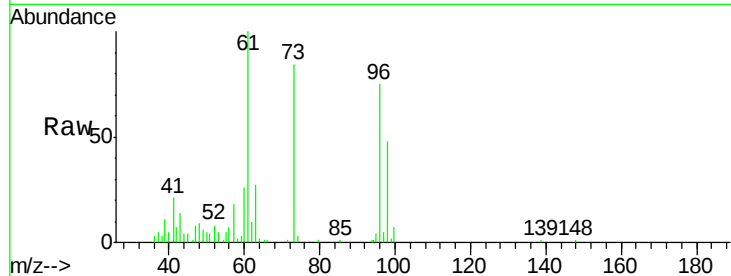
#21
trans-1,2-Dichloroethene
Concen: 9.459 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	114.5	171.7
98	63.8	52.0	78.0

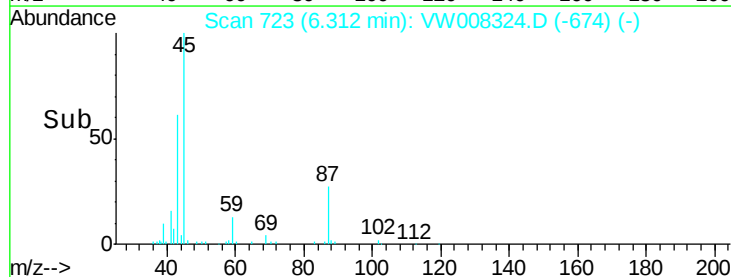
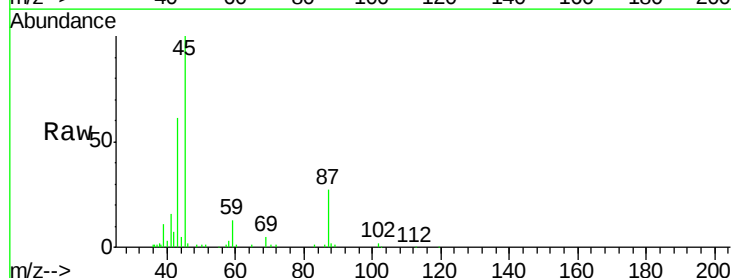
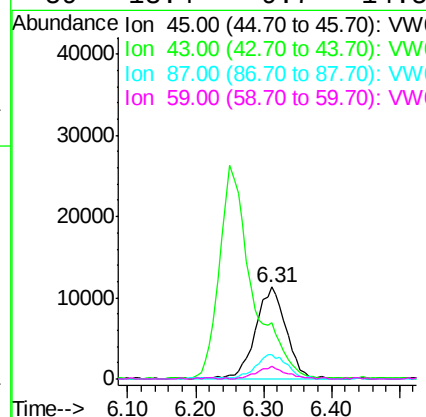
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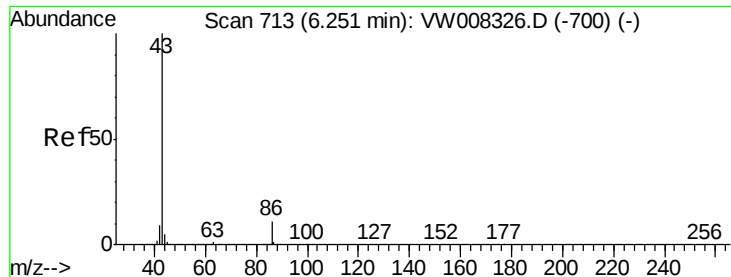
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#22
Diisopropyl ether
Concen: 9.681 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	42.5	63.7
87	27.2	22.2	33.2
59	13.4	9.7	14.5





#23

Vinyl Acetate

Concen: 45.223 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 87779

Ion Ratio Lower Upper

43 100

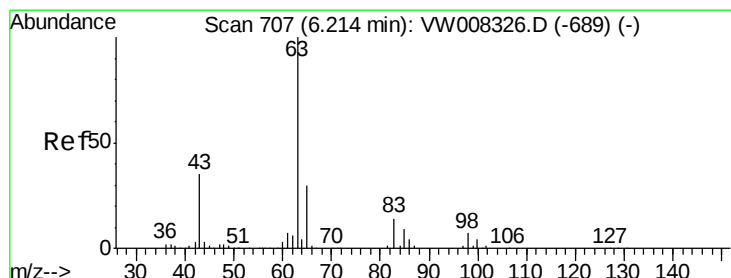
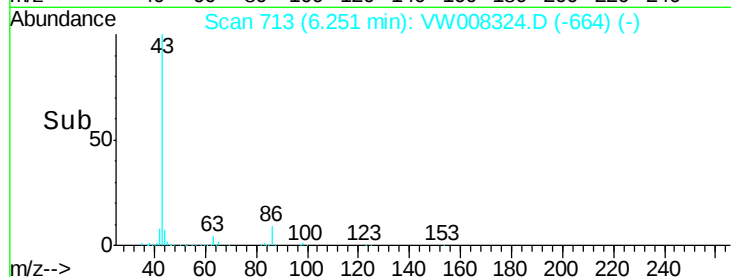
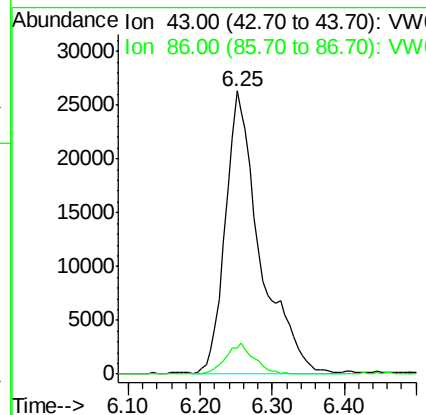
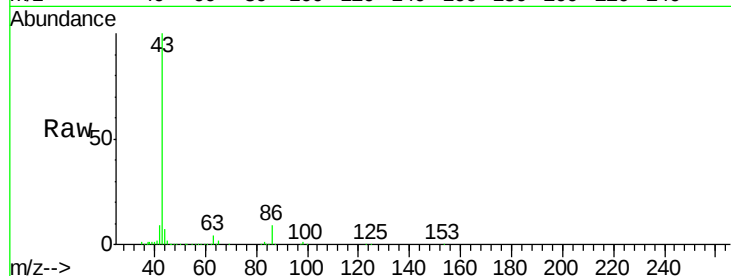
86 9.4 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 9.558 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

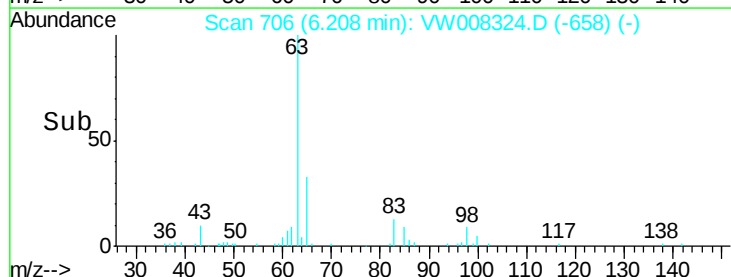
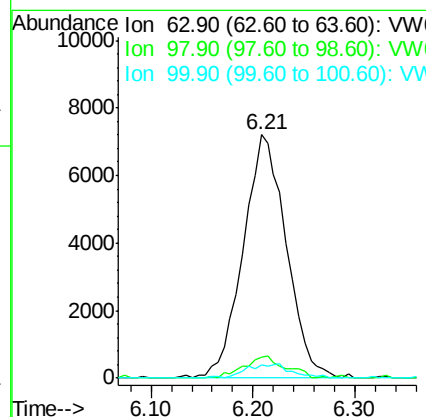
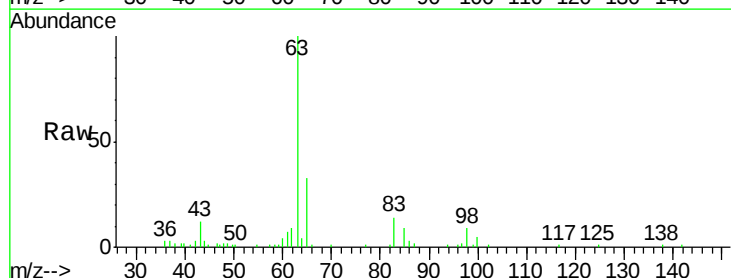
Tgt Ion: 63 Resp: 21132

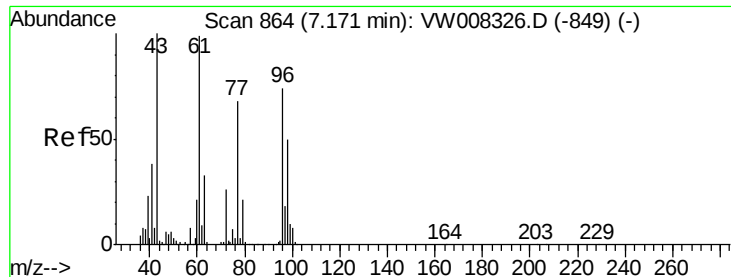
Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.6

100 5.2 2.1 6.3





#25

2-Butanone

Concen: 46.589 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 15630

Ion Ratio Lower Upper

43 100

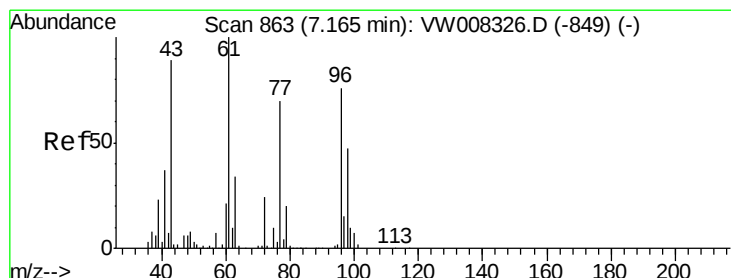
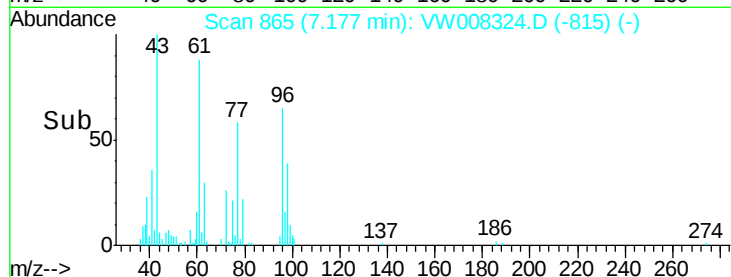
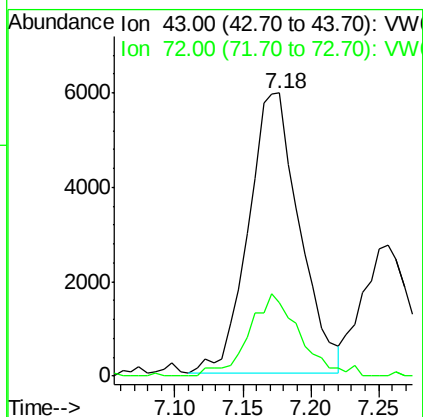
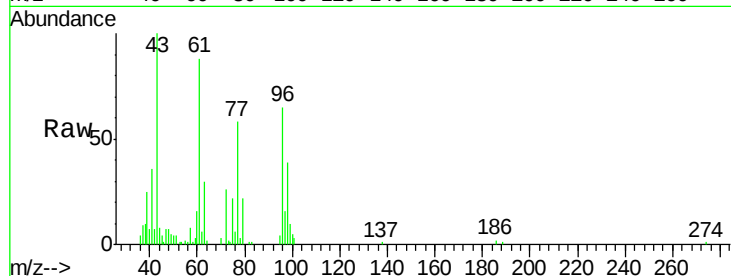
72 26.5 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.631 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008324.D

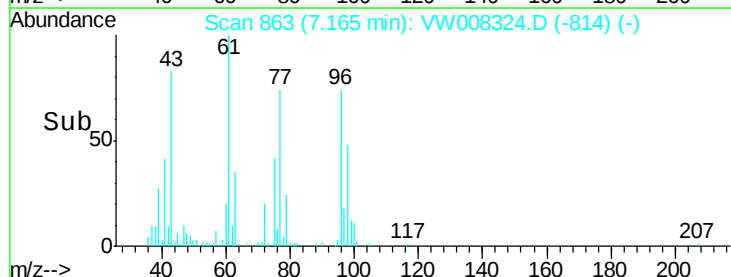
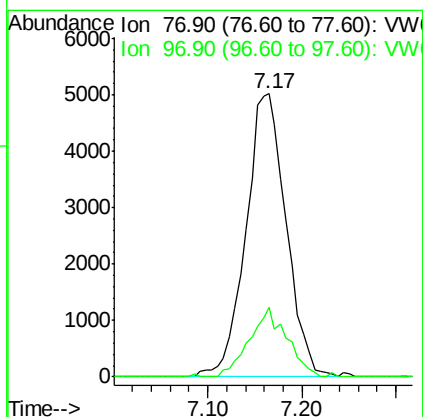
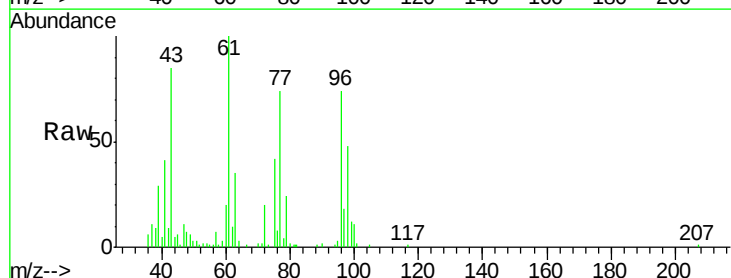
Acq: 17 Jan 2019 13:13

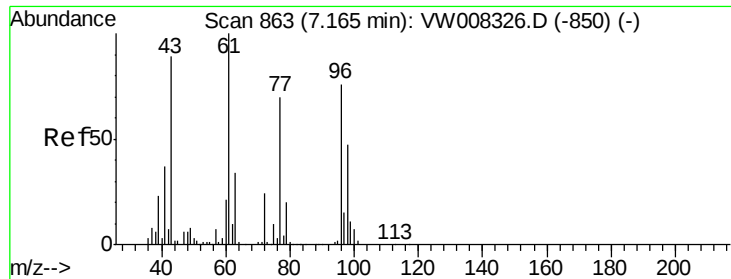
Tgt Ion: 77 Resp: 15000

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1





#27

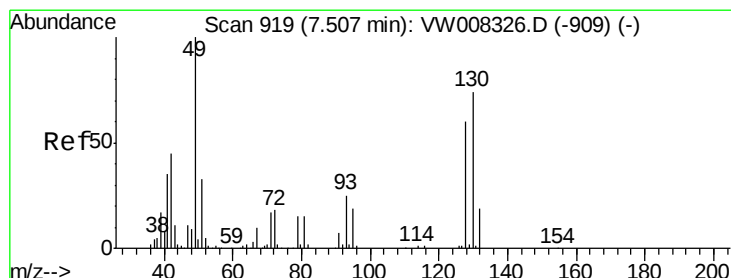
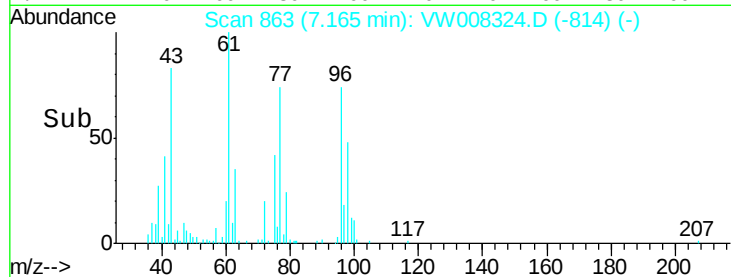
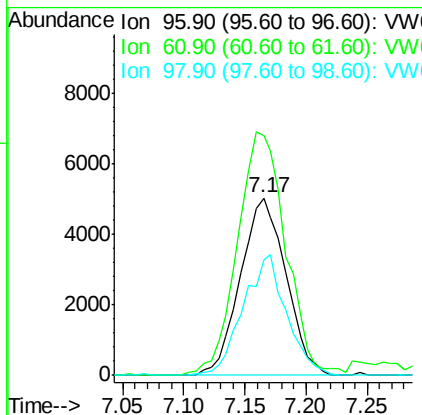
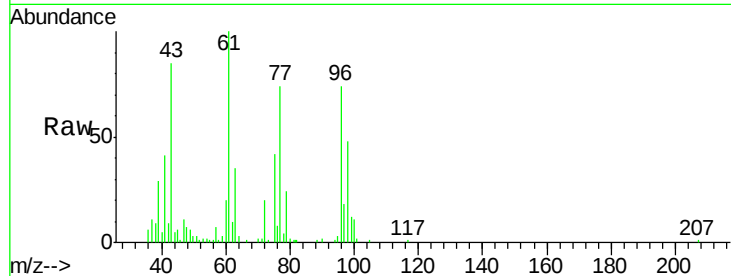
cis-1,2-Dichloroethene
Concen: 9.610 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	272.2
98	64.8	0.0	129.4

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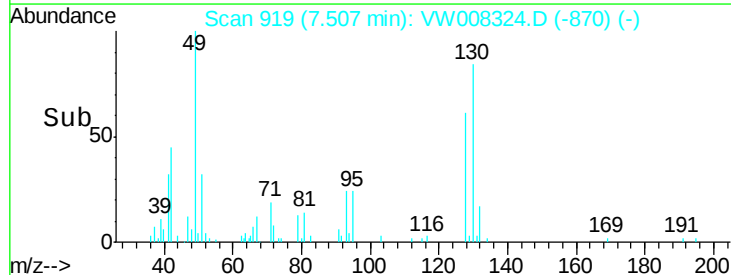
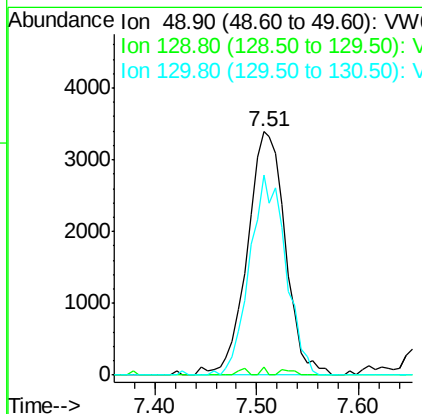
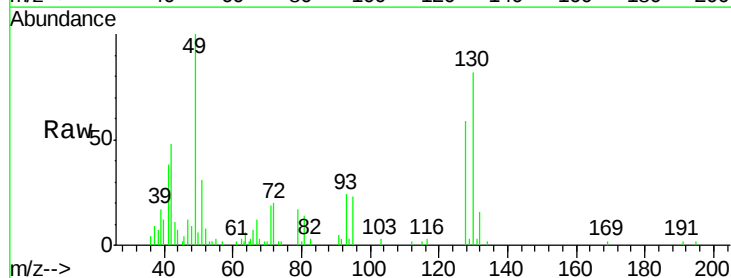
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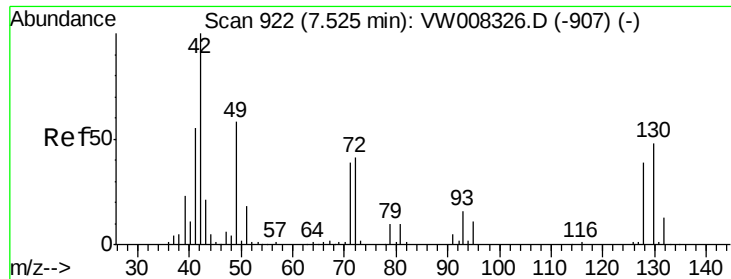


#28

Bromochloromethane
Concen: 9.640 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.6
130	77.8	0.0	0.0#





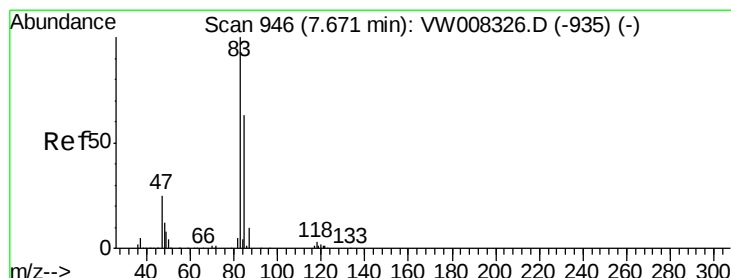
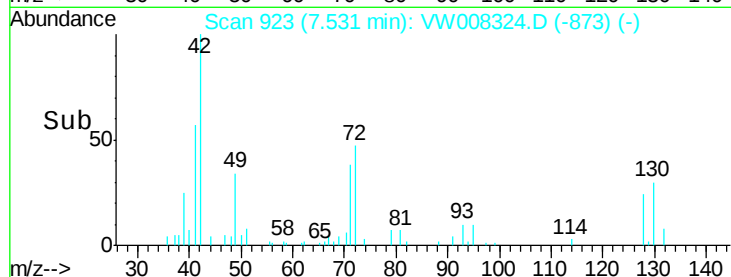
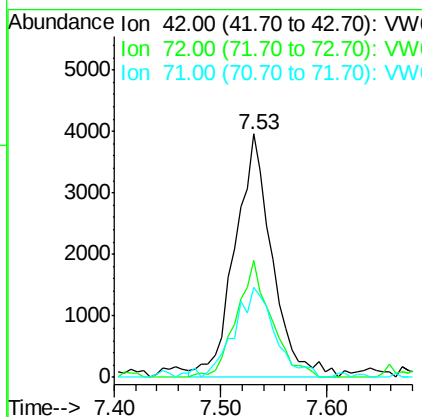
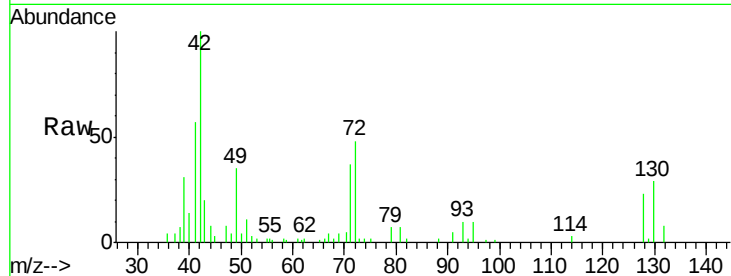
#29
Tetrahydrofuran
Concen: 46.168 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.0	51.0
71	40.0	32.0	48.0

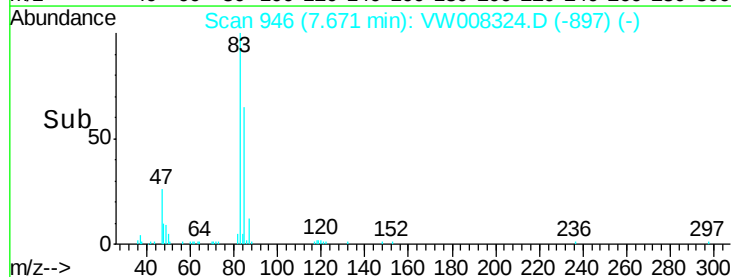
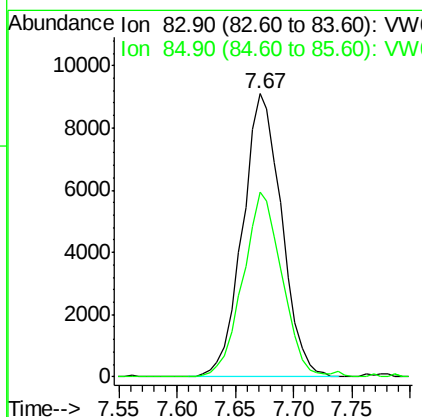
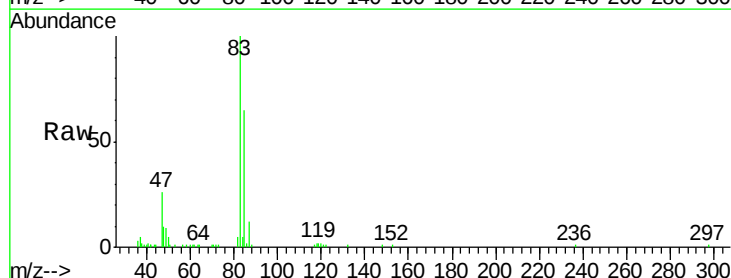
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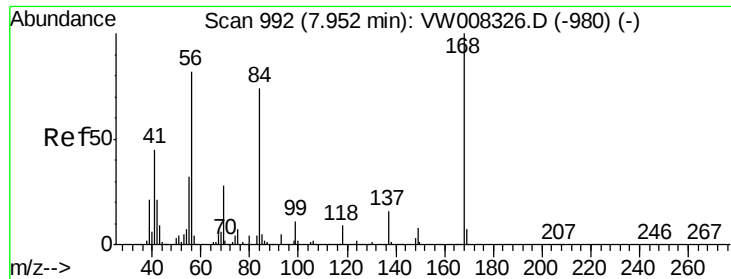
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#30
Chloroform
Concen: 9.710 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.2	75.2





#31

Cyclohexane

Concen: 10.236 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

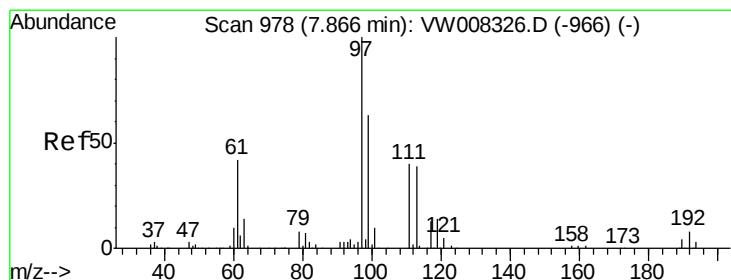
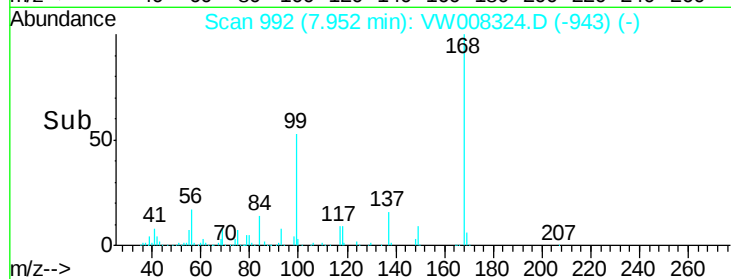
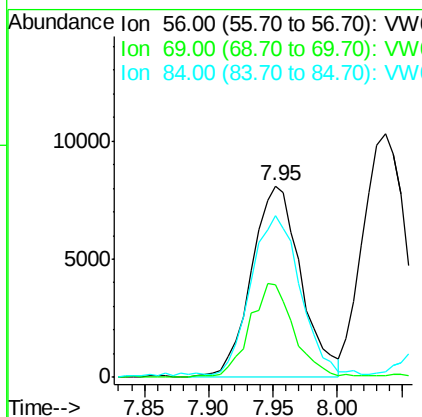
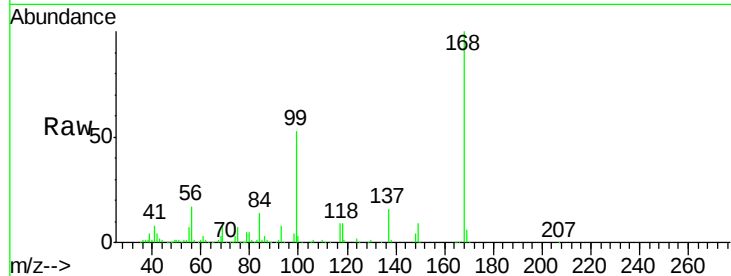
ClientSampled :

VSTDIC010

Tot Ion:	56	Resp:	21562
Ion Ratio	Lower	Upper	
56	100		
69	48.2	27.0	40.6#
84	83.3	72.5	108.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.621 ug/l

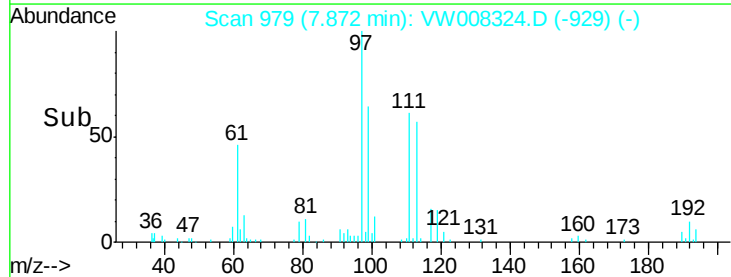
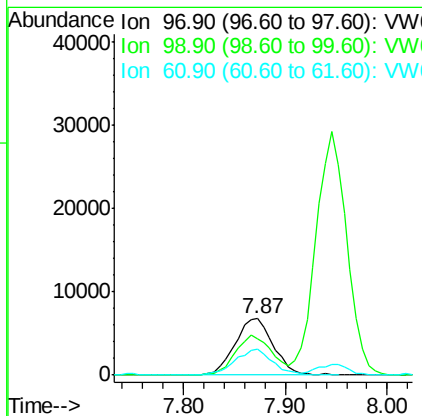
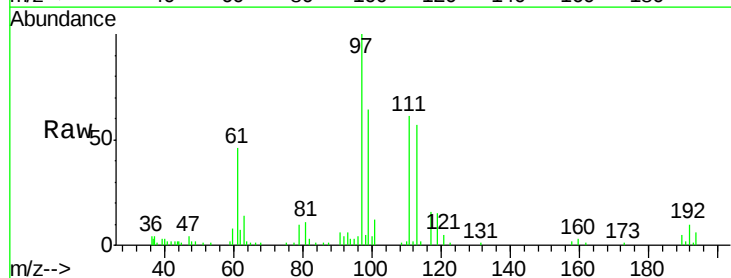
RT: 7.87 min Scan# 979

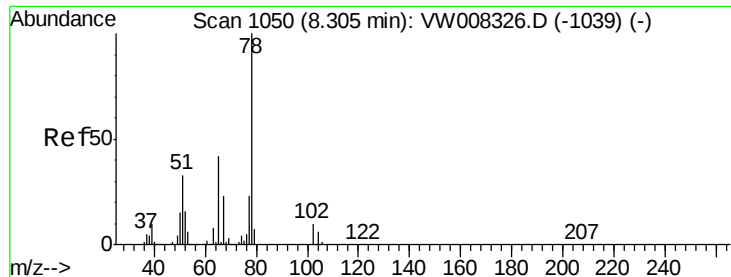
Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	97	Resp:	17664
Ion Ratio	Lower	Upper	
97	100		
99	68.3	51.1	76.7
61	44.6	34.0	51.0





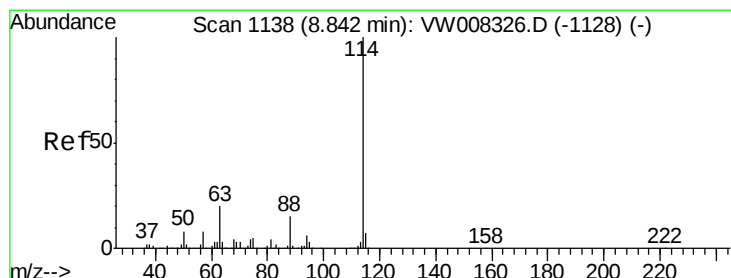
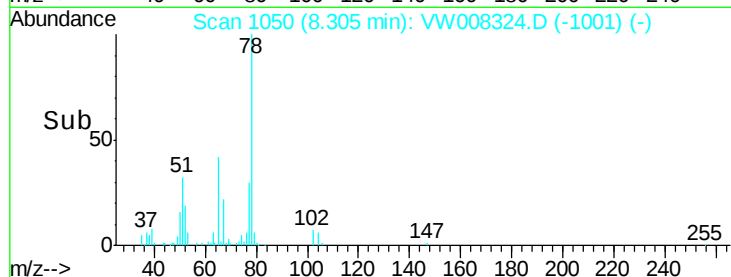
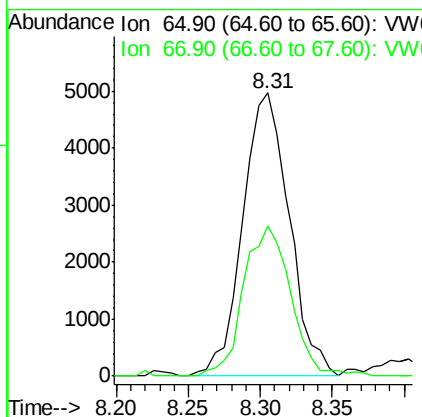
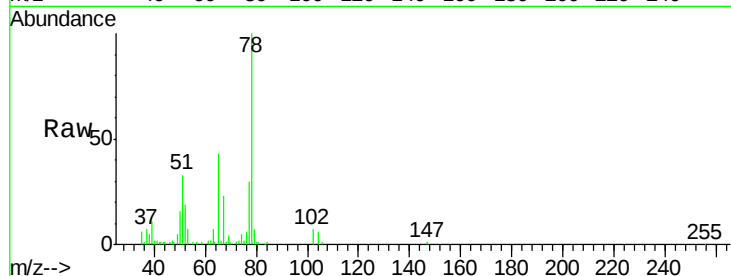
#33
 1,2-Dichloroethane-d4
 Concen: 9.866 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.2

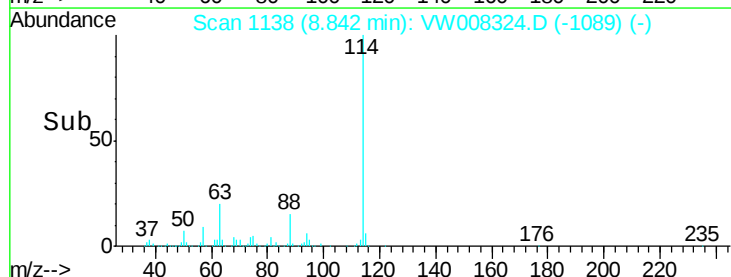
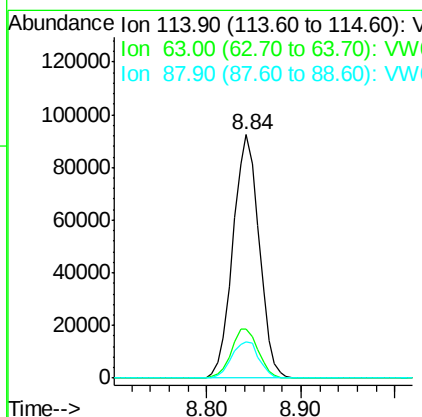
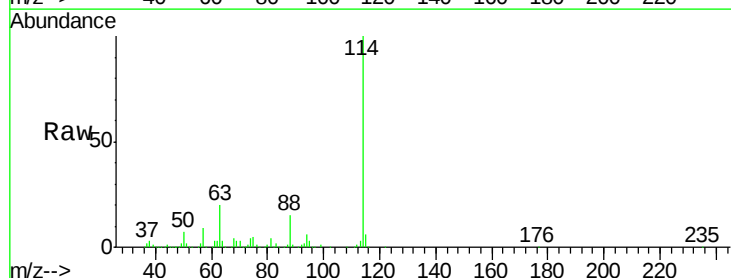
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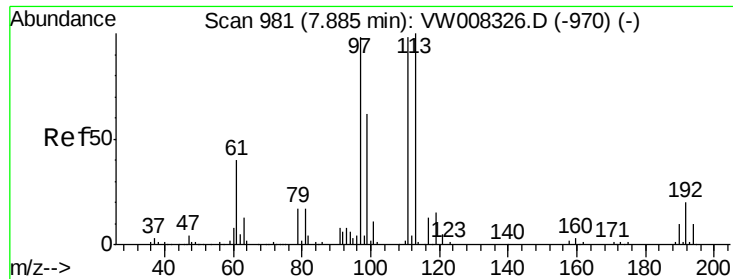
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	14.8	0.0	30.4





#35

Dibromofluoromethane

Concen: 10.055 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

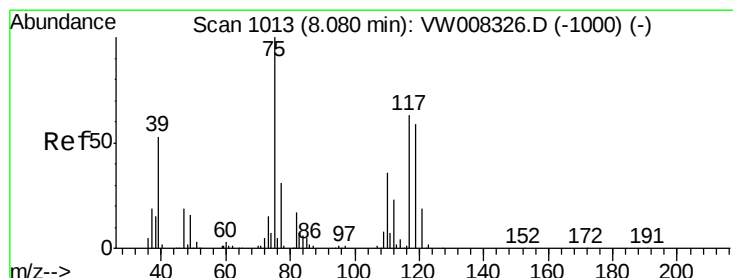
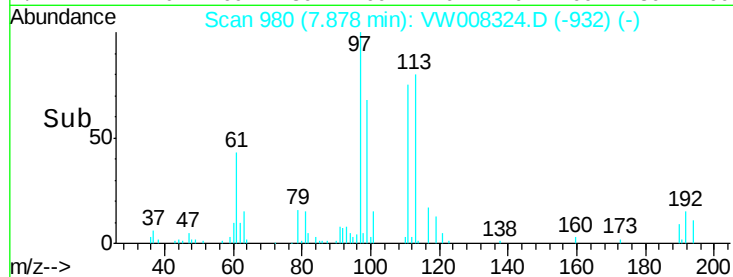
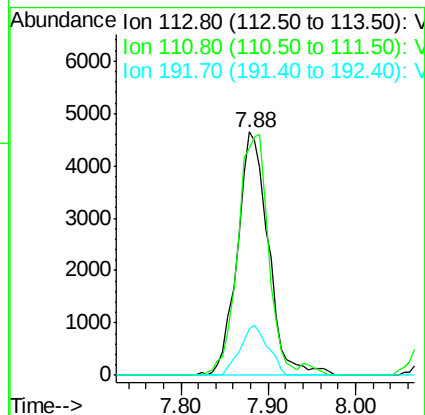
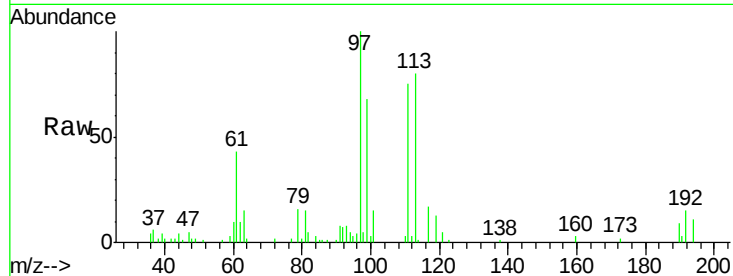
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	11480
Ion	Ratio	Lower	Upper
113	100		
111	96.9	81.8	122.8
192	18.3	16.3	24.5

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#36

1,1-Dichloropropene

Concen: 9.456 ug/l

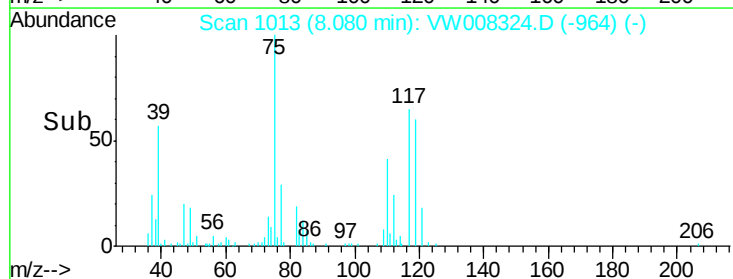
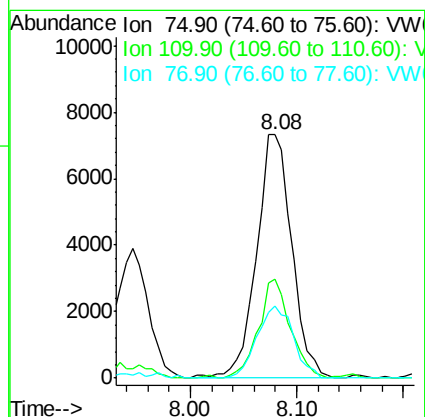
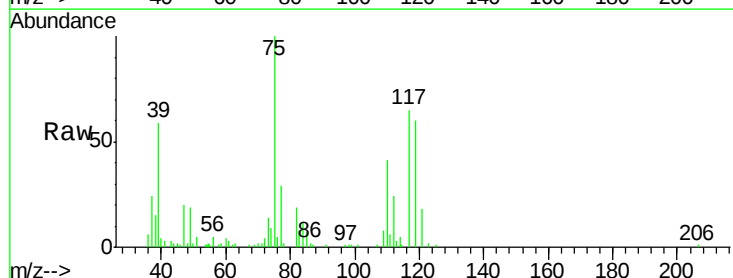
RT: 8.08 min Scan# 1013

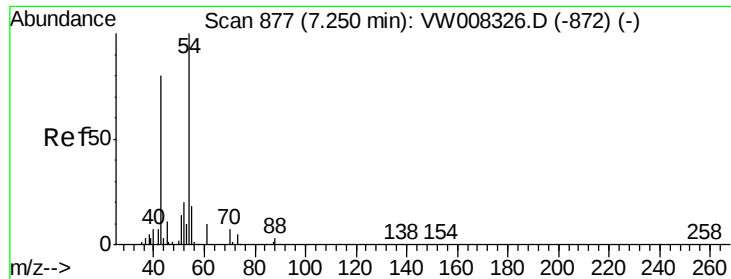
Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	75	Resp:	17017
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.5	52.6
77	30.5	25.0	37.6





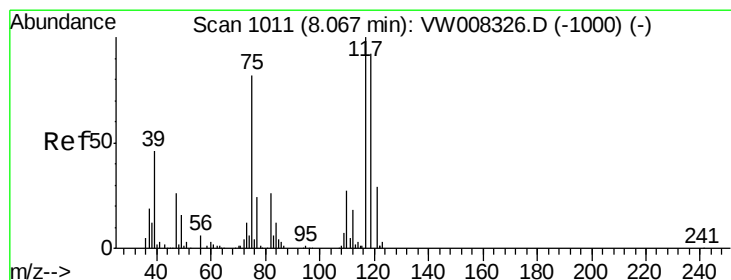
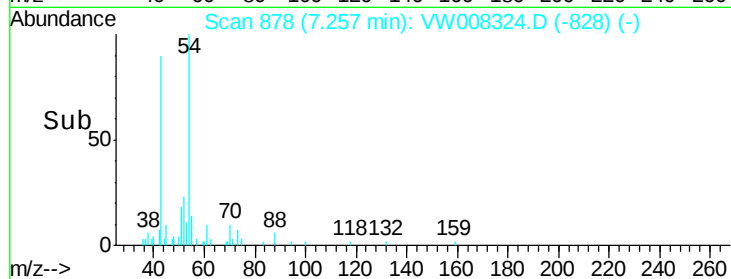
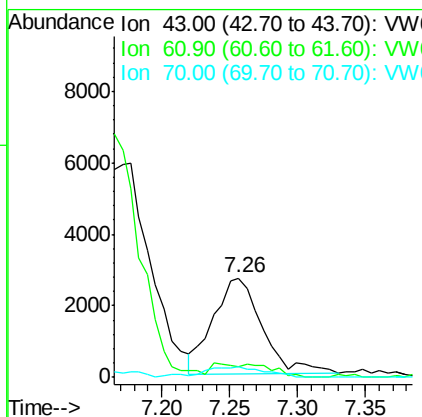
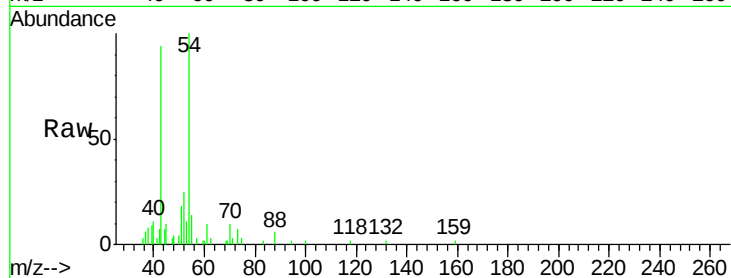
#37
Ethyl Acetate
Concen: 8.980 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	14.1	8.8	13.2#

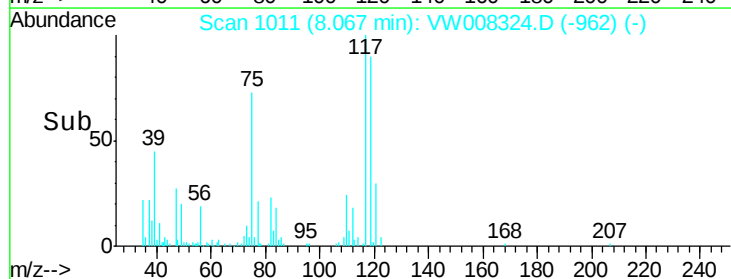
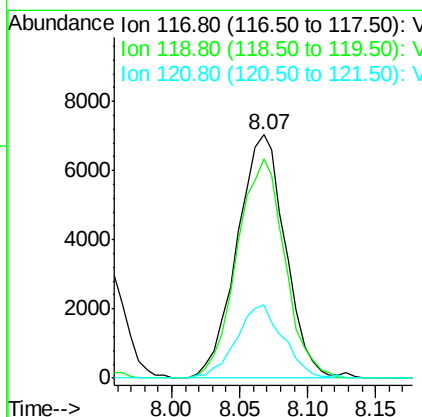
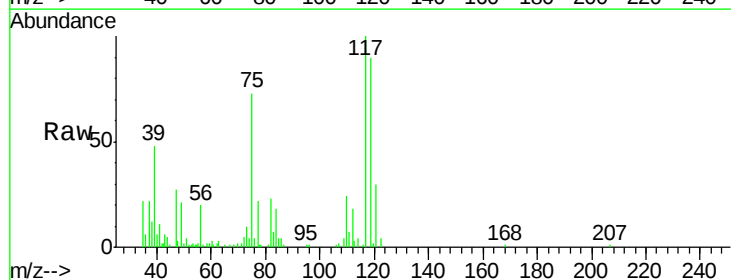
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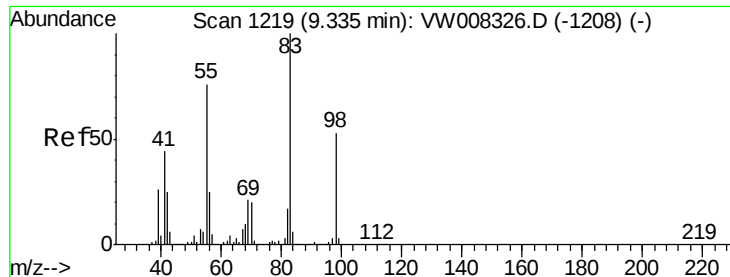
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#38
Carbon Tetrachloride
Concen: 9.815 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	73.8	110.6
121	30.3	23.4	35.0





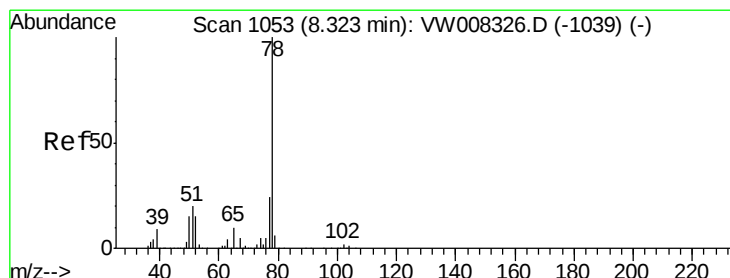
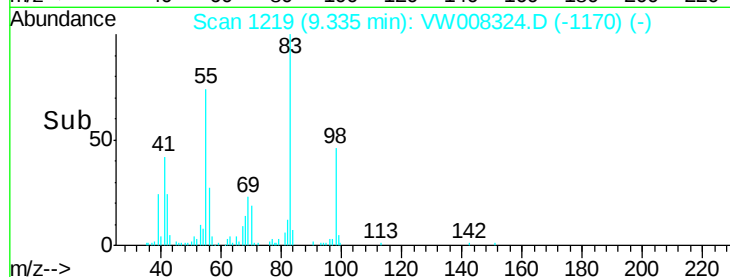
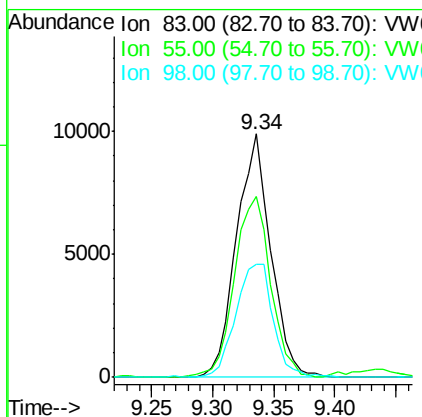
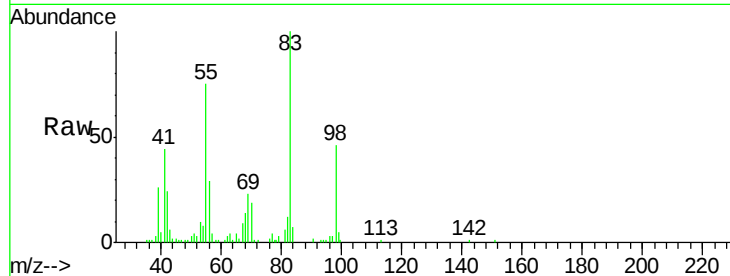
#39
Methvlcvclohexane
Concen: 8.997 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.1	91.7
98	46.5	42.5	63.7

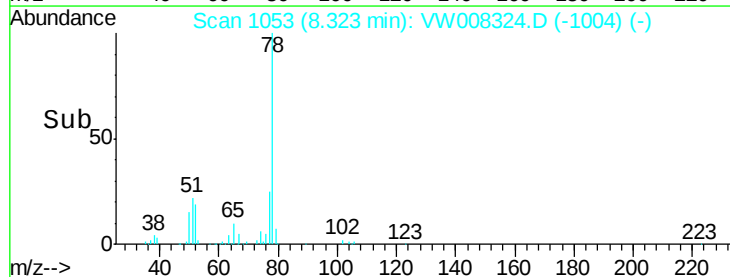
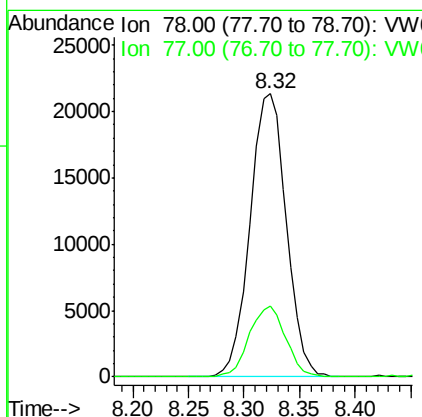
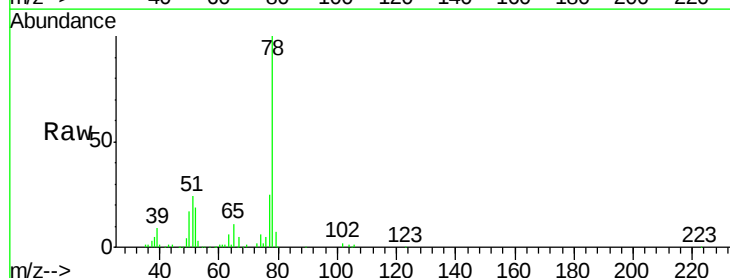
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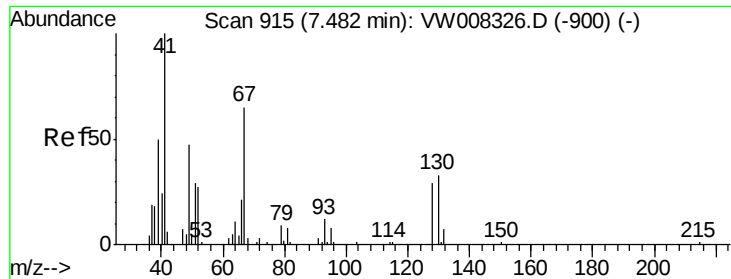
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#40
Benzene
Concen: 9.503 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.0





#41

Methacrylonitrile

Concen: 9.725 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

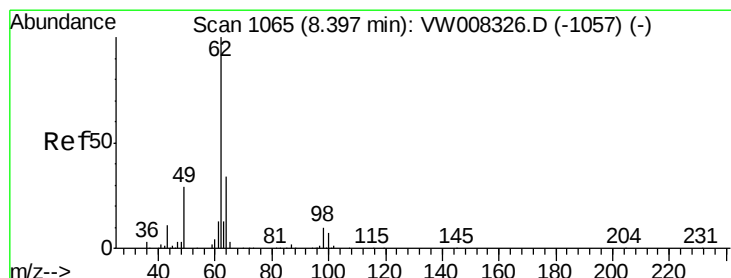
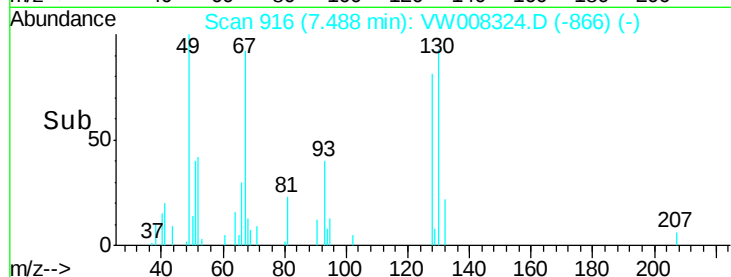
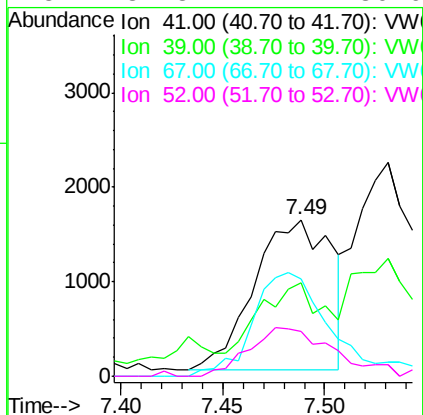
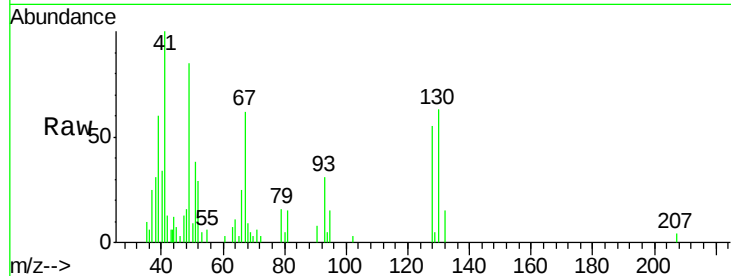
ClientSampleId :

VSTDIC010

Tot Ion:	41	Resp:	4201
Ion	Ratio	Lower	Upper
41	100		
39	43.4	44.9	67.3#
67	68.8	56.9	85.3
52	34.8	24.4	36.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 9.735 ug/l

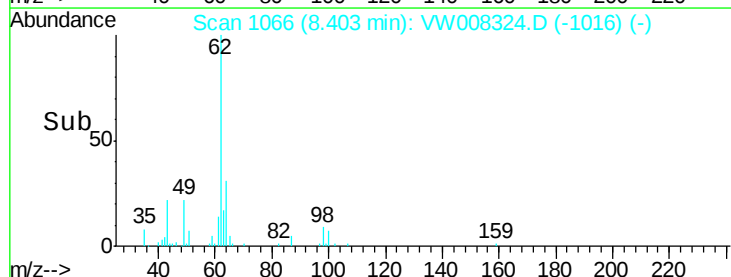
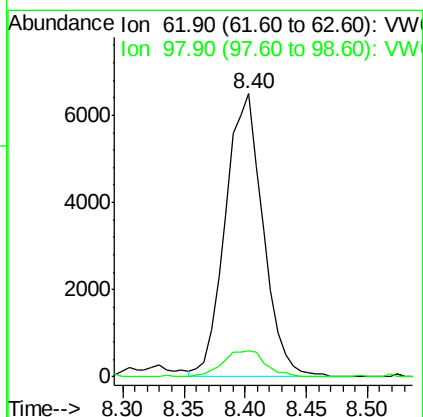
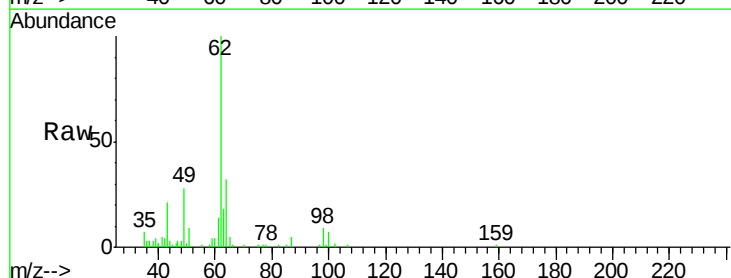
RT: 8.40 min Scan# 1066

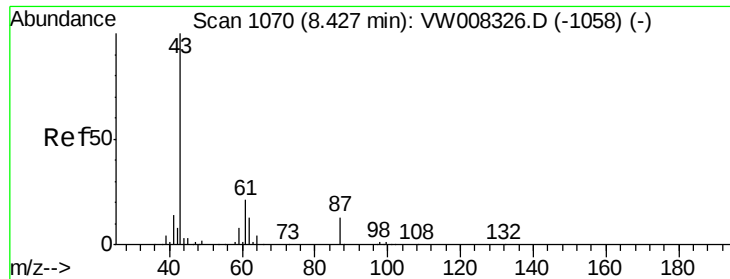
Delta R.T. 0.01 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	62	Resp:	13876
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 9.298 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

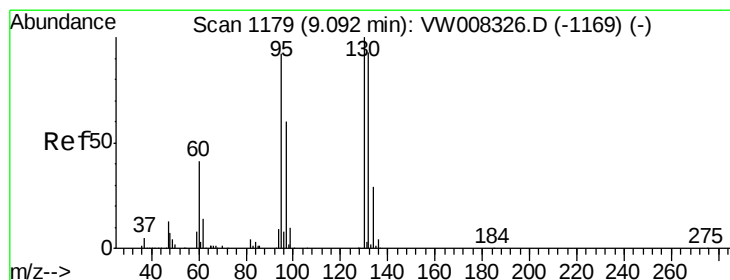
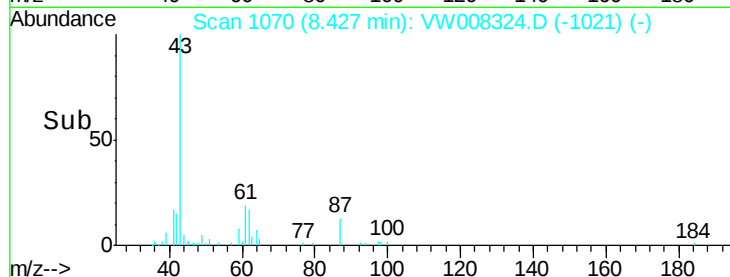
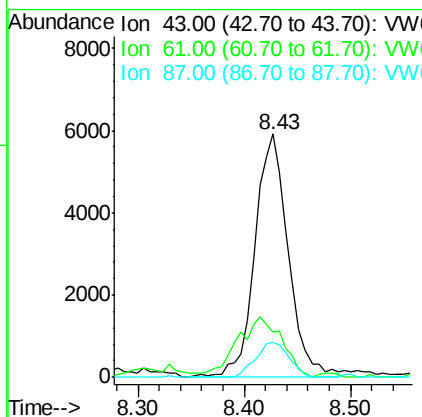
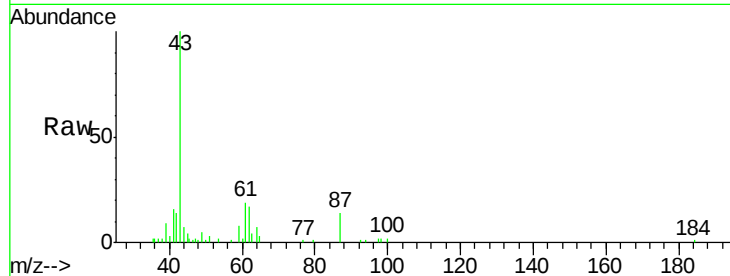
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	13033
Ion	Ratio	Lower	Upper
43	100		
61	33.6	24.8	37.2
87	14.3	10.7	16.1

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#44

Trichloroethene

Concen: 9.107 ug/l

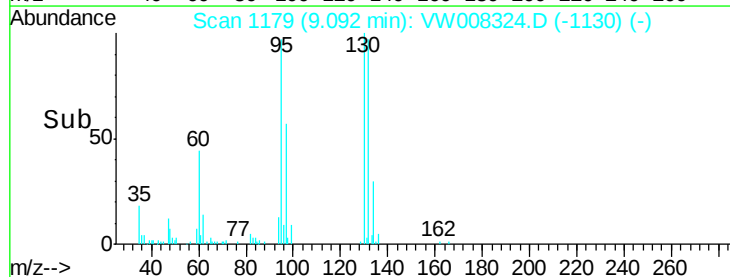
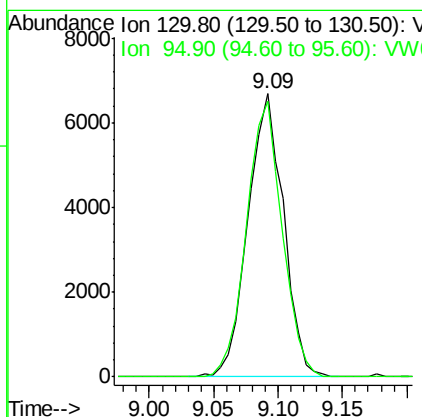
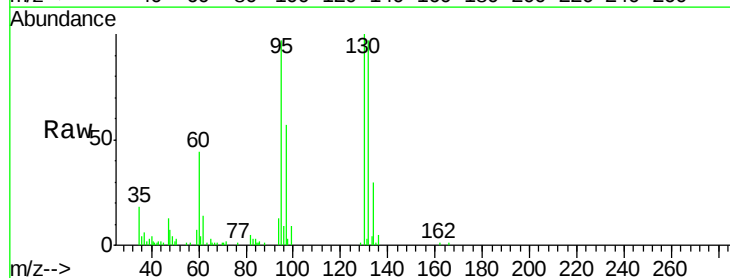
RT: 9.09 min Scan# 1179

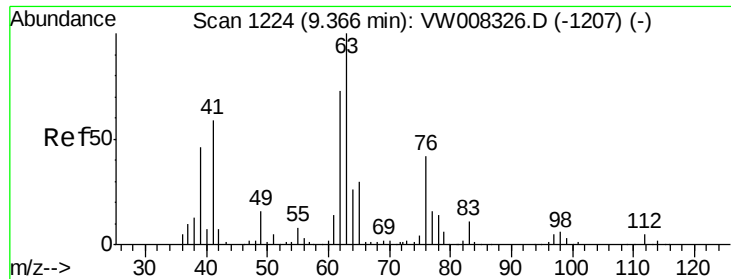
Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	130	Resp:	12719
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	184.8





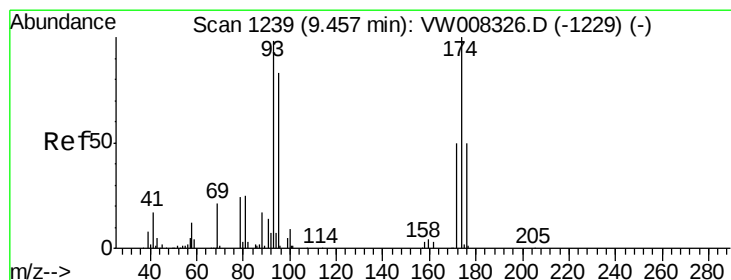
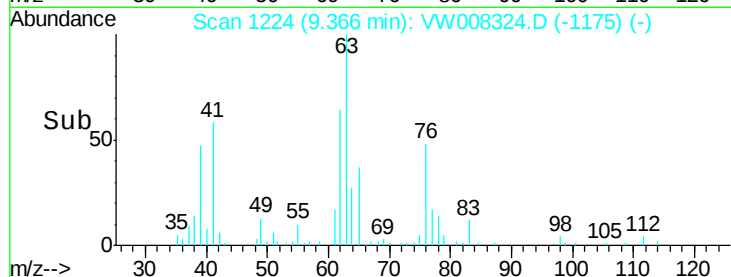
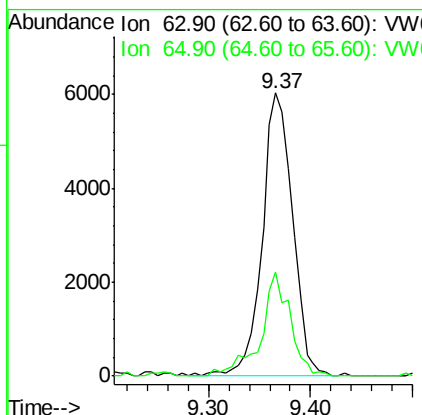
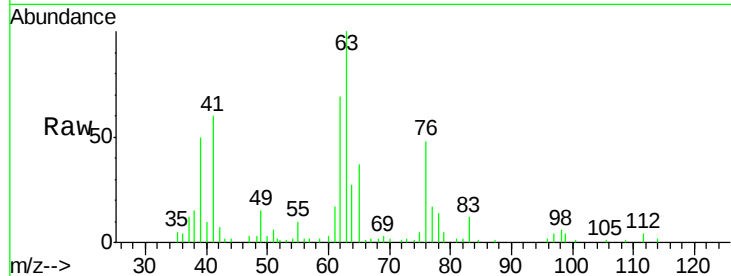
#45
 1,2-Dichloropropane
 Concen: 9.856 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 12480
 Ion Ratio Lower Upper
 63 100
 65 36.9 23.9 35.9#

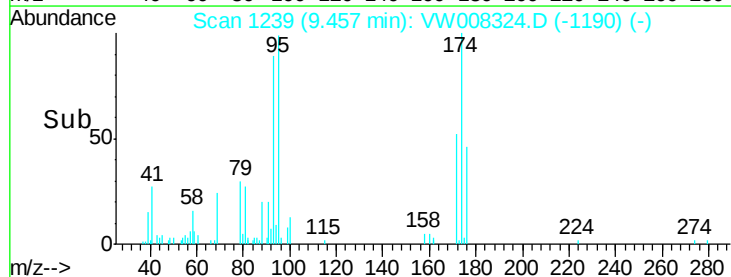
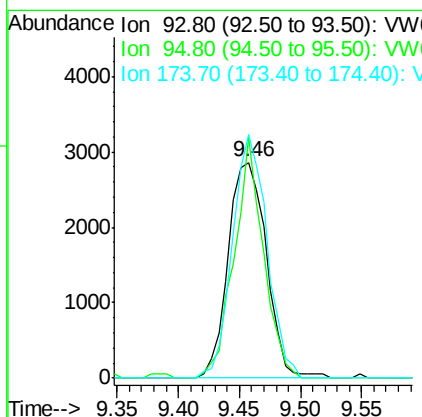
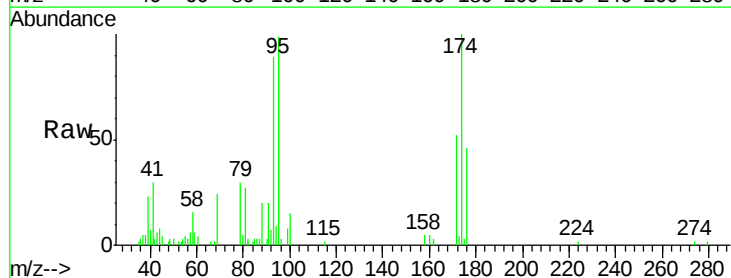
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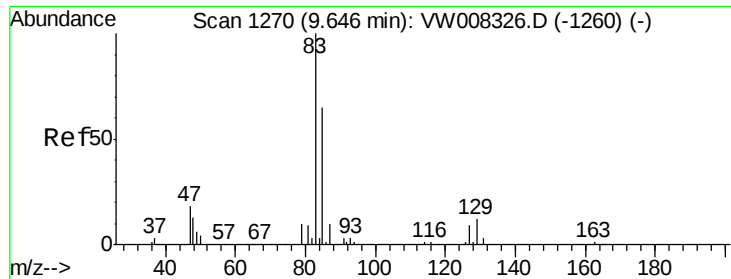
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#46
 Dibromomethane
 Concen: 9.393 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion: 93 Resp: 6199
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.8 101.8
 174 101.8 84.4 126.6





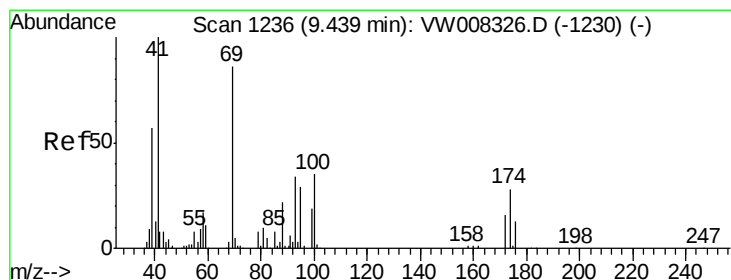
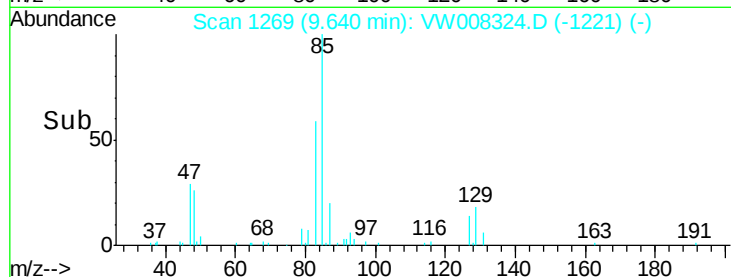
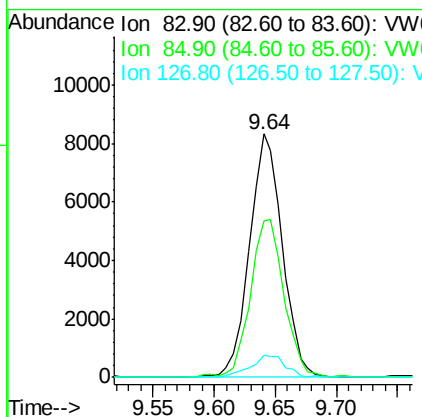
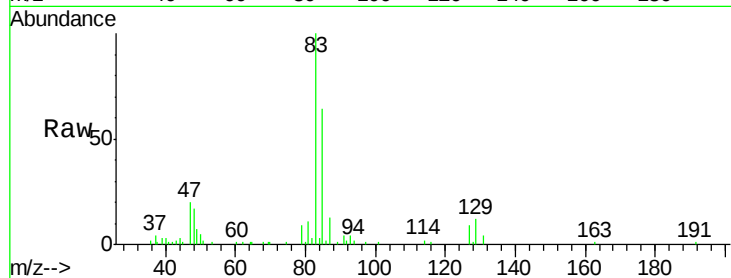
#47
Bromodichloromethane
Concen: 9.561 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	15564
Ion Ratio	100		
85	64.2	51.6	77.4
127	9.3	6.8	10.2

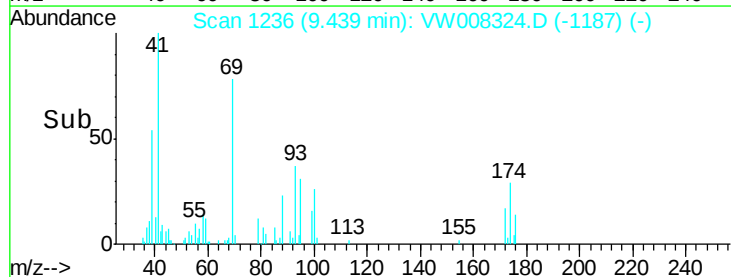
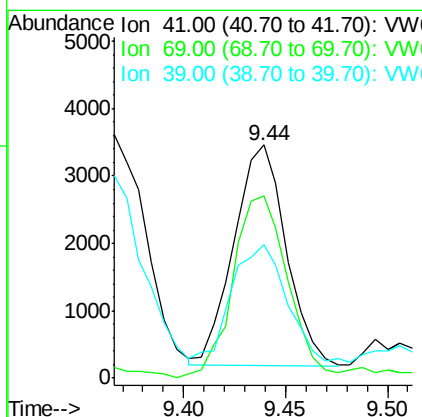
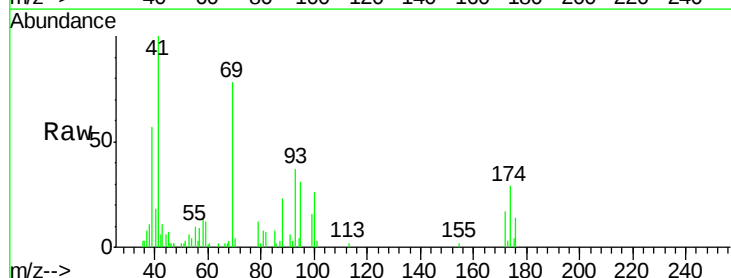
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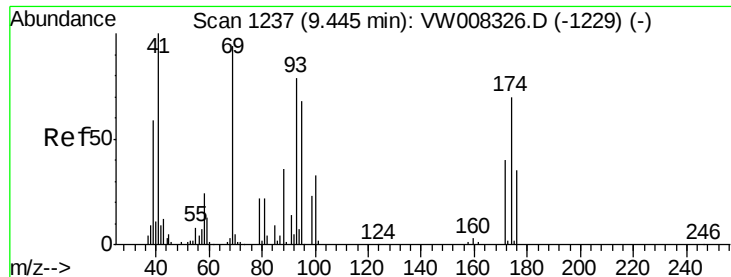
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#48
Methyl methacrylate
Concen: 8.805 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	41	Resp	5810
Ion Ratio	100		
69	86.5	68.2	102.4
39	71.5	46.0	69.0#





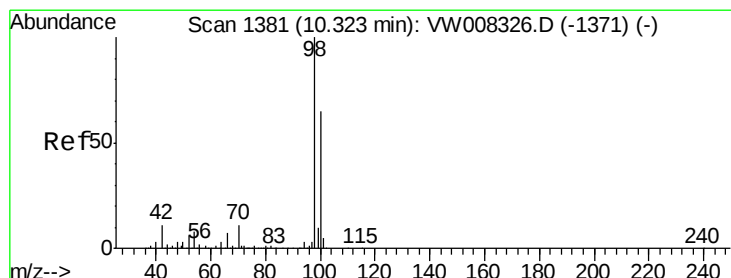
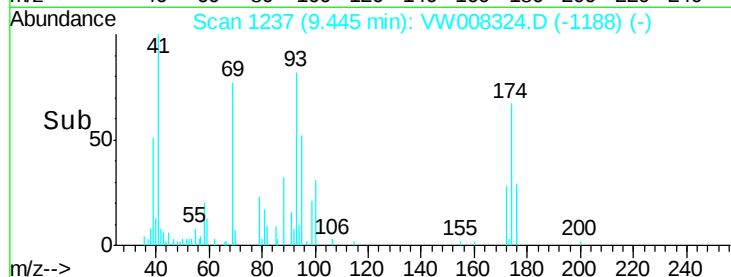
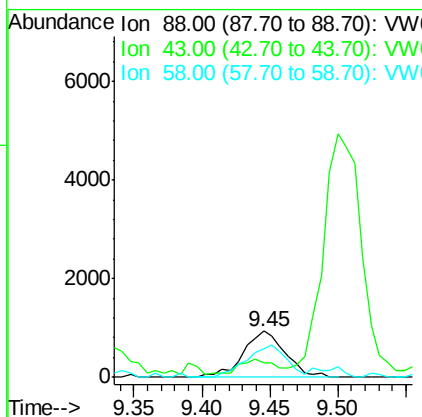
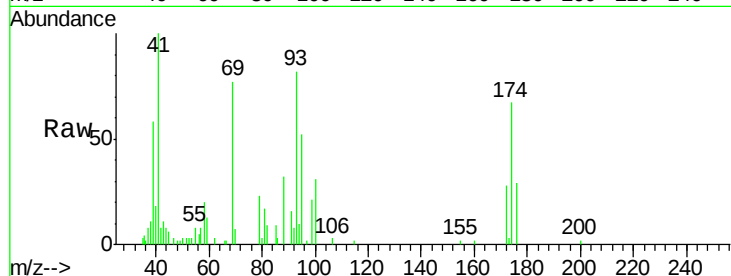
#49
1,4-Dioxane
Concen: 190.802 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	2027
Ion	Ratio	Lower	Upper
88	100		
43	31.2	27.1	40.7
58	65.2	57.9	86.9

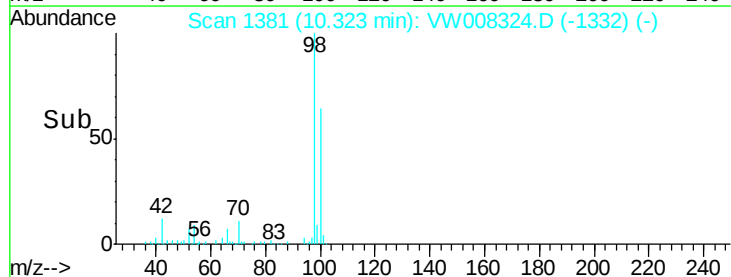
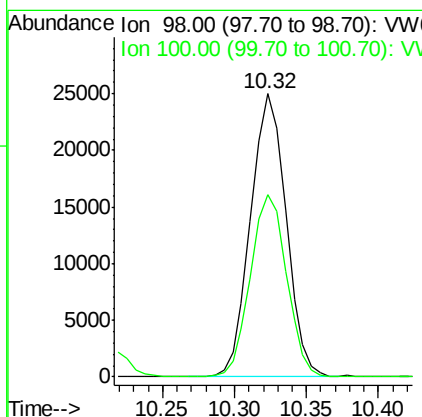
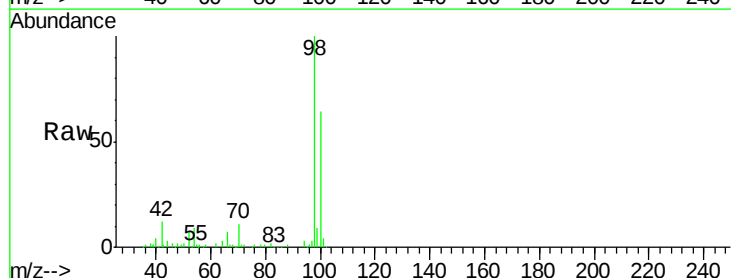
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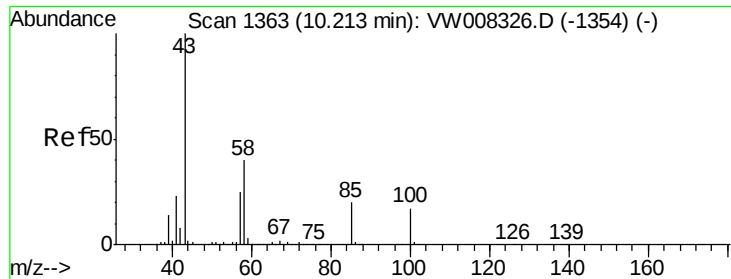
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#50
Toluene-d8
Concen: 9.534 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	98	Resp	42763
Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 45.350 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 32188

Ion Ratio Lower Upper

43 100

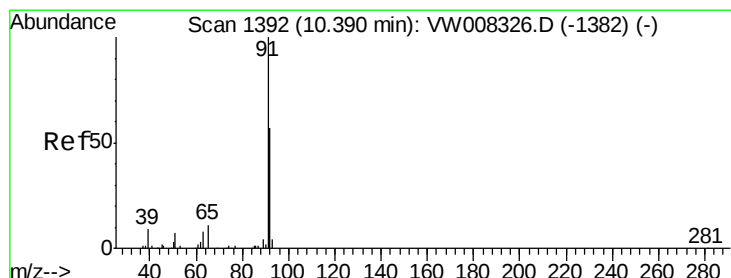
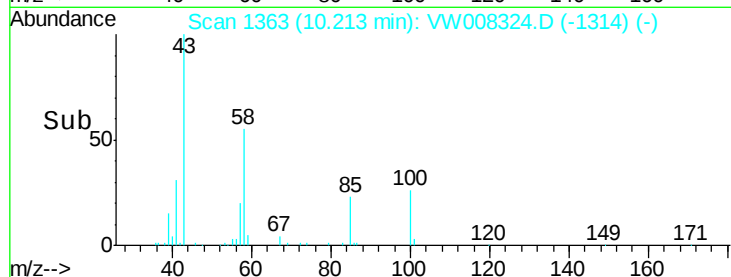
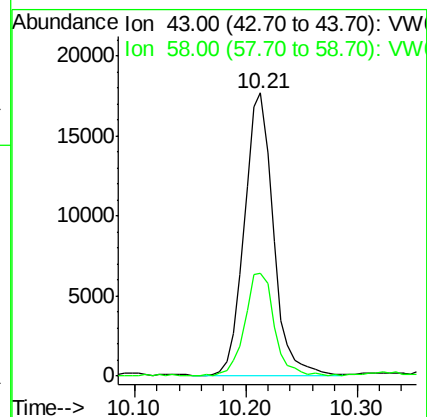
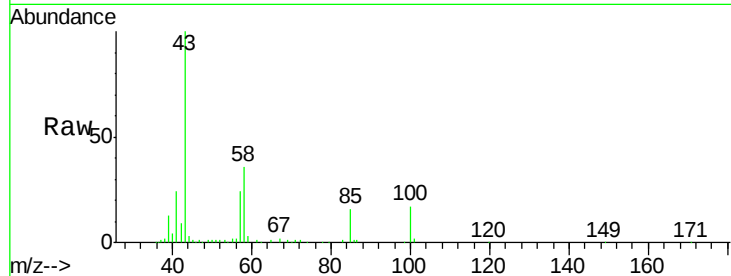
58 37.2 31.4 47.0

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#52

Toluene

Concen: 9.363 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008324.D

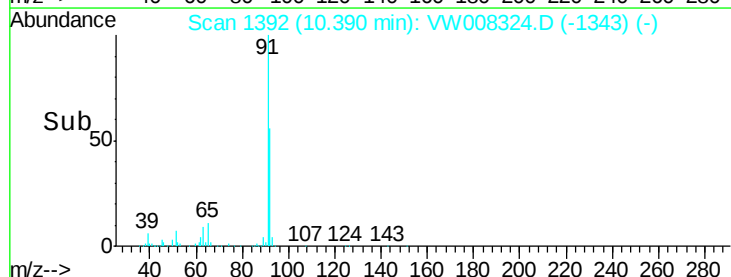
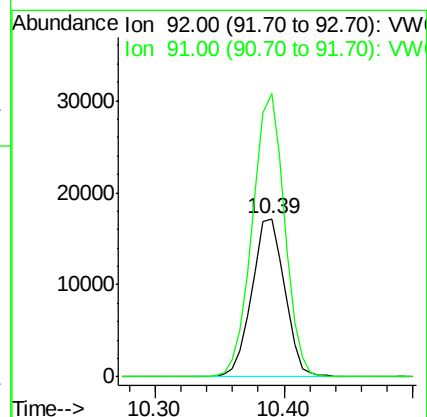
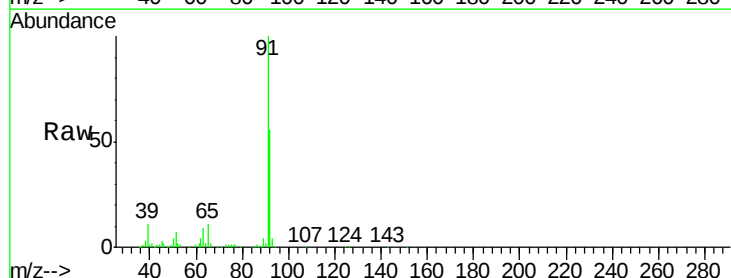
Acq: 17 Jan 2019 13:13

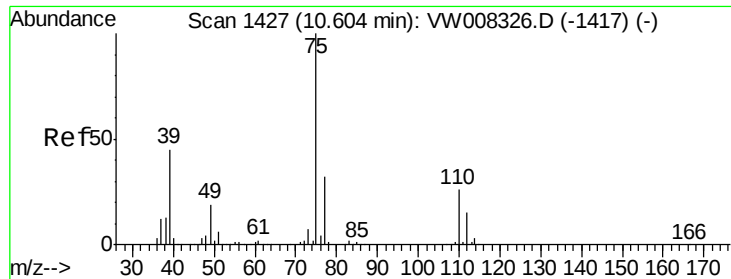
Tgt Ion: 92 Resp: 30205

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.2





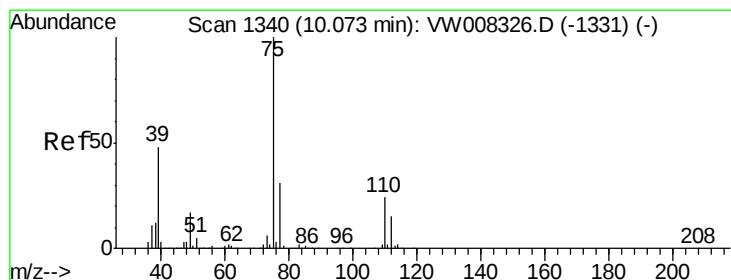
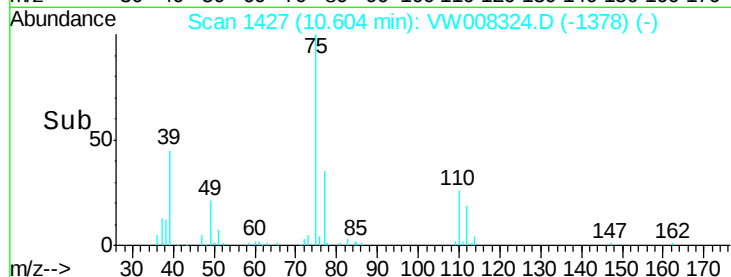
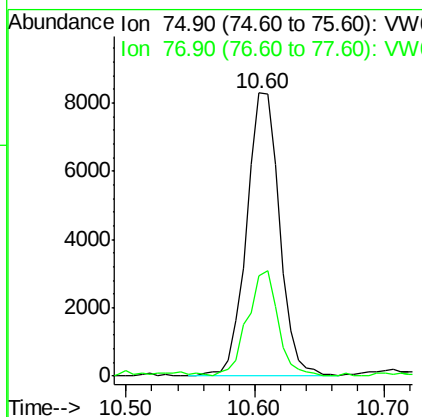
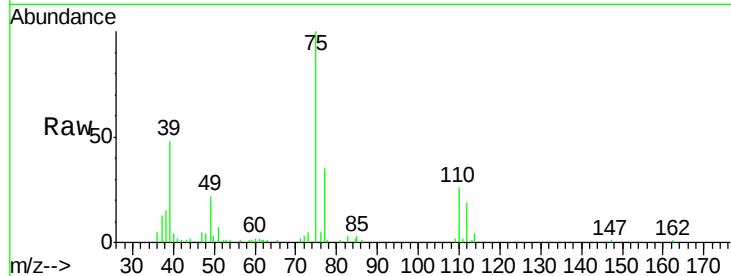
#53
t-1,3-Dichloropropene
Concen: 8.975 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.8	38.8

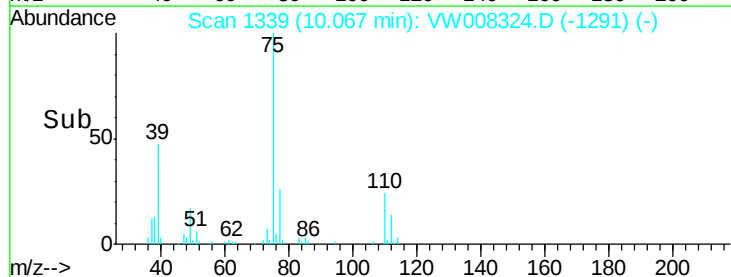
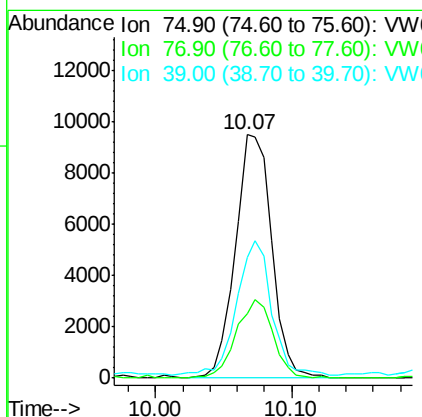
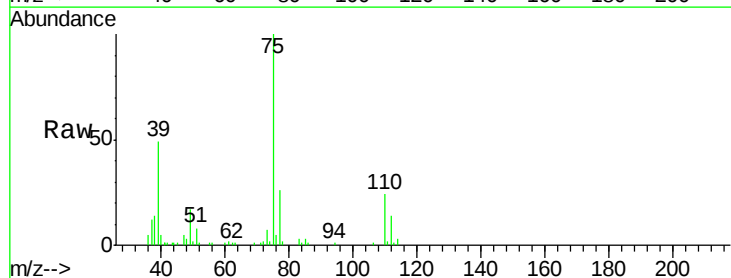
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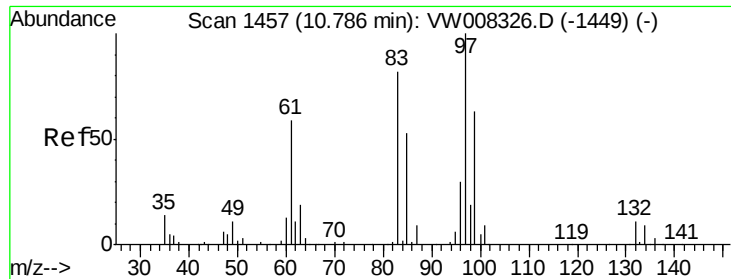
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#54
cis-1,3-Dichloropropene
Concen: 9.271 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	26.4	24.4	36.6
39	48.4	38.6	57.8





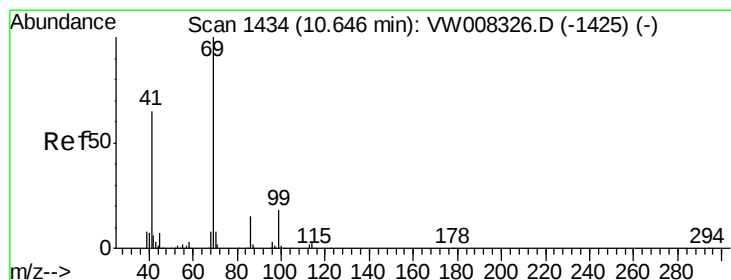
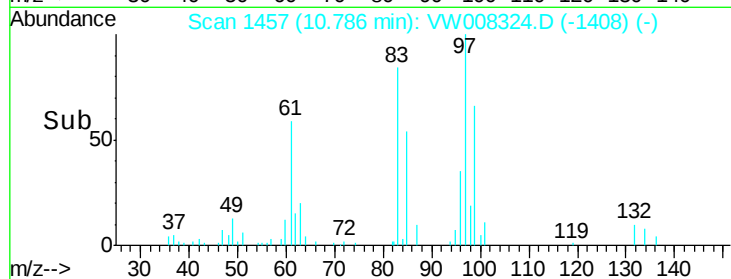
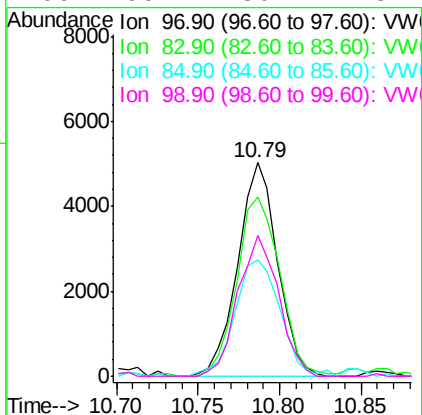
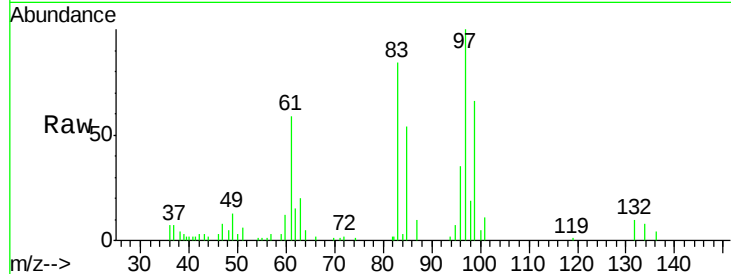
#55
1,1,2-Trichloroethane
Concen: 9.332 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	97	Resp:	8542
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.3	97.9
85	54.4	42.6	64.0
99	66.1	50.2	75.2

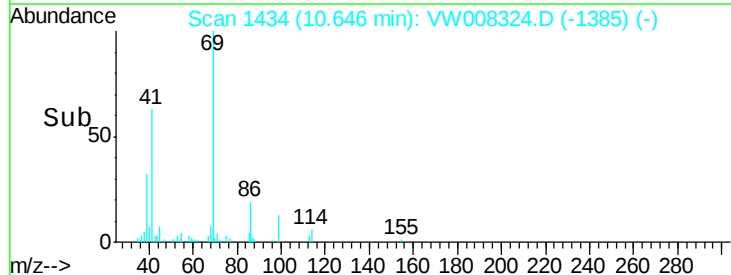
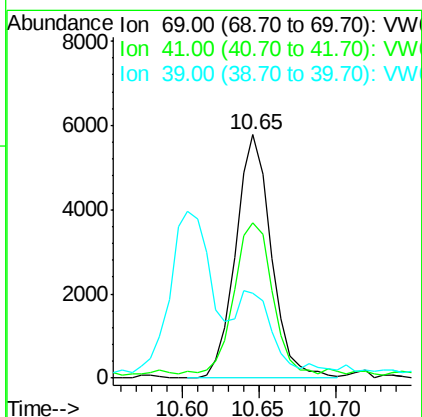
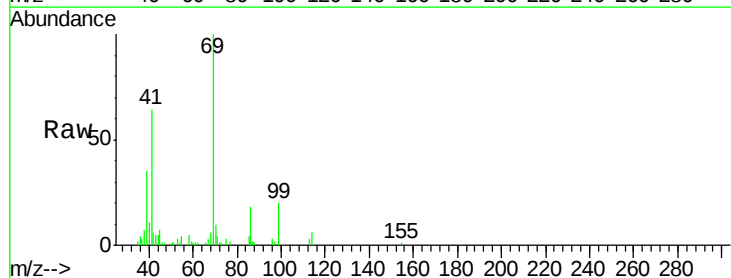
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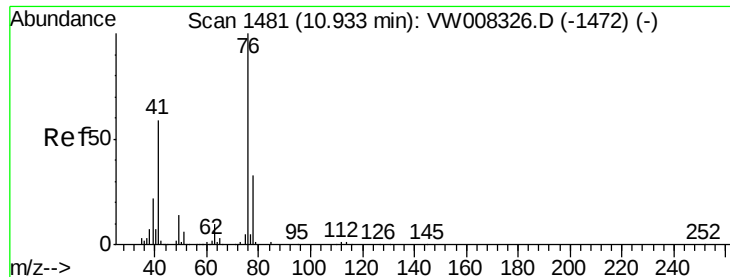
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#56
Ethyl methacrylate
Concen: 8.709 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion:	69	Resp:	9362
Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.9	79.3
39	31.2	28.4	42.6





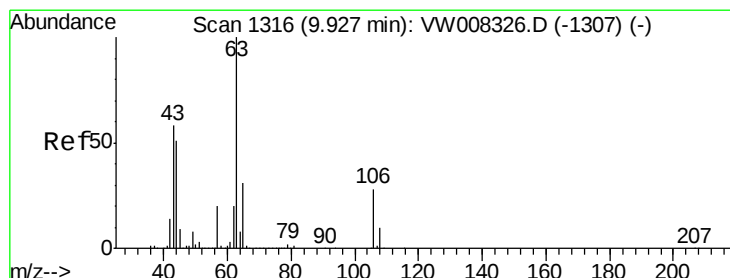
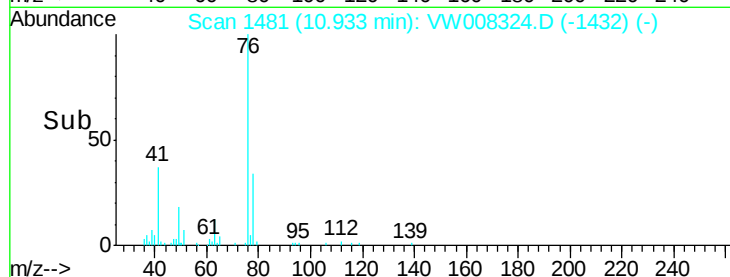
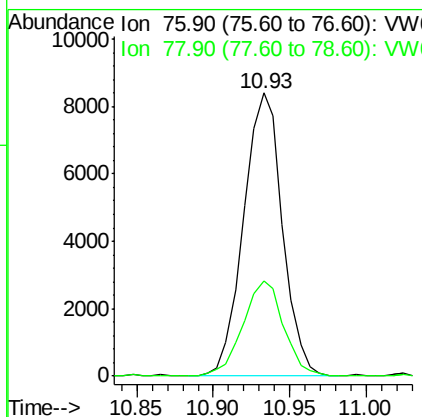
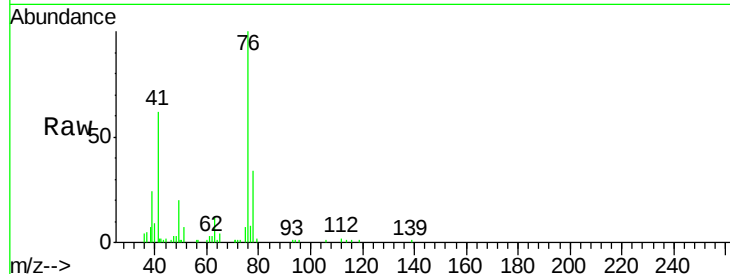
#57
 1,3-Dichloropropane
 Concen: 9.316 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.3	26.1	39.1

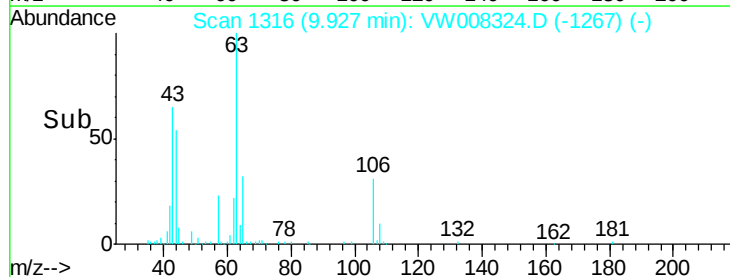
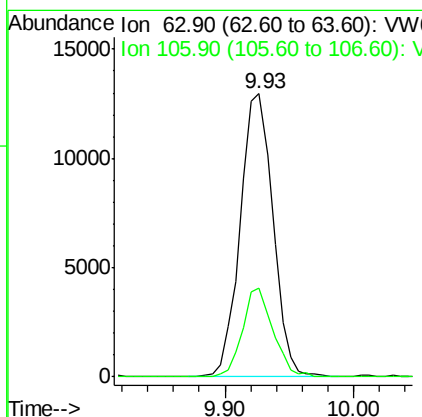
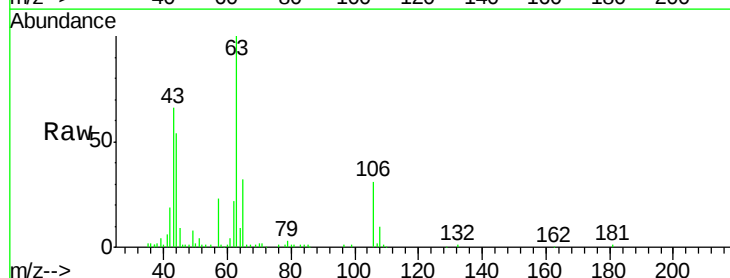
Manual Integrations
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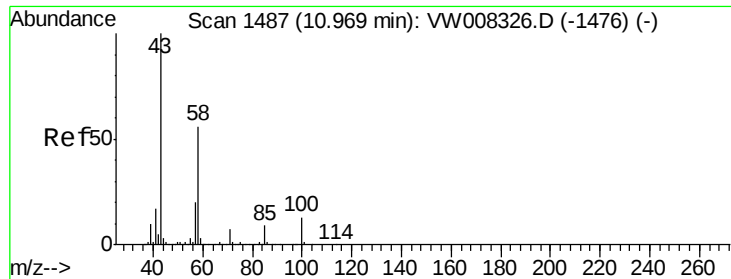
MMDadoda
 1/18/2019 2:09:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.041 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.9	34.3





#59

2-Hexanone

Concen: 43.472 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 21619

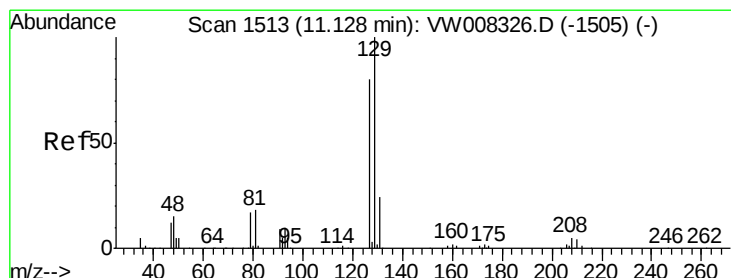
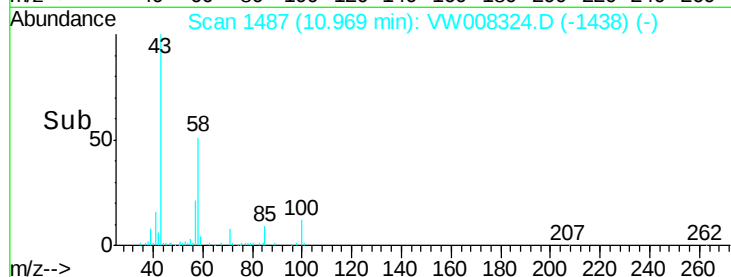
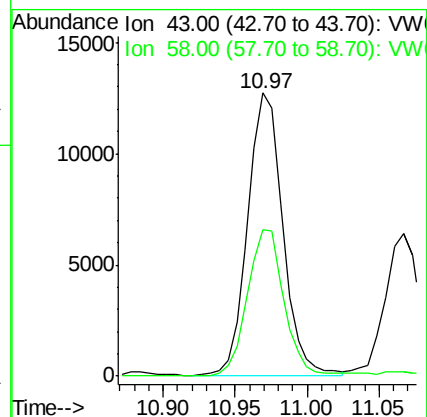
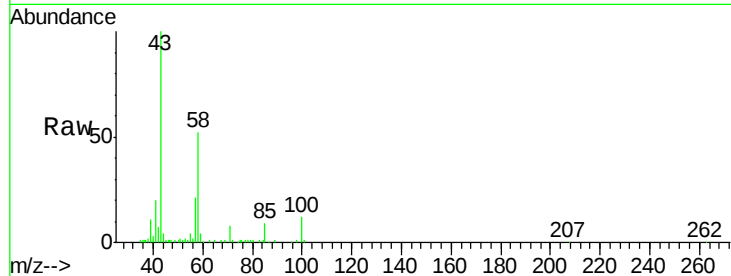
Ion Ratio Lower Upper

43 100

58 53.4 27.5 82.5

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#60

Dibromochloromethane

Concen: 9.491 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008324.D

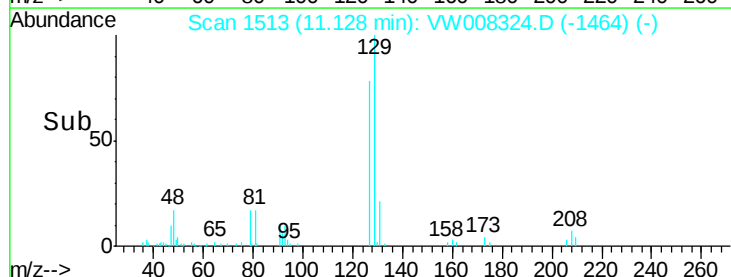
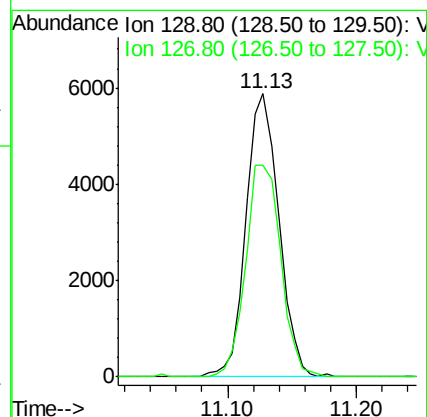
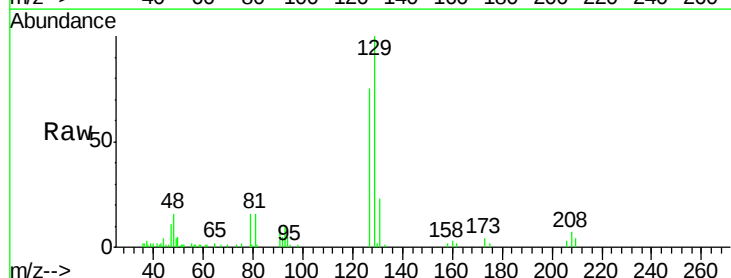
Acq: 17 Jan 2019 13:13

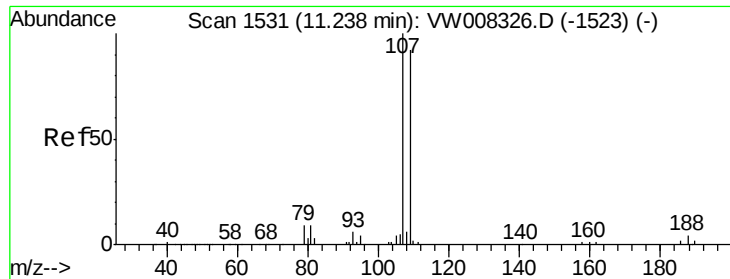
Tgt Ion: 129 Resp: 10368

Ion Ratio Lower Upper

129 100

127 80.2 39.1 117.2





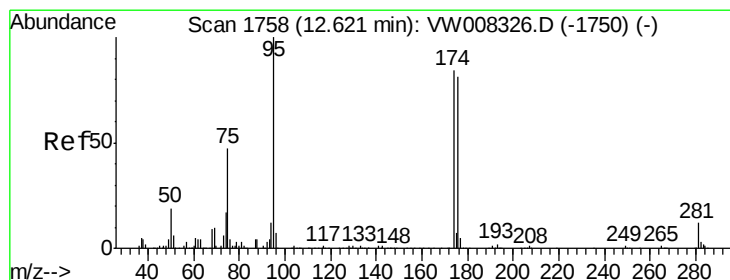
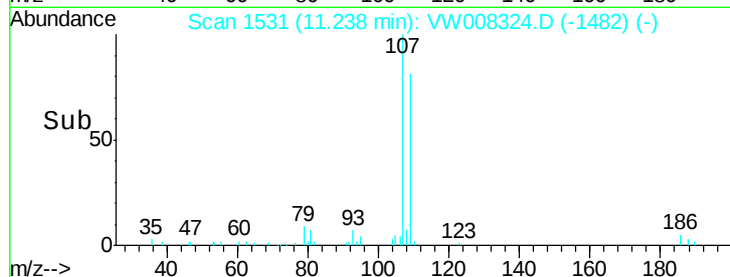
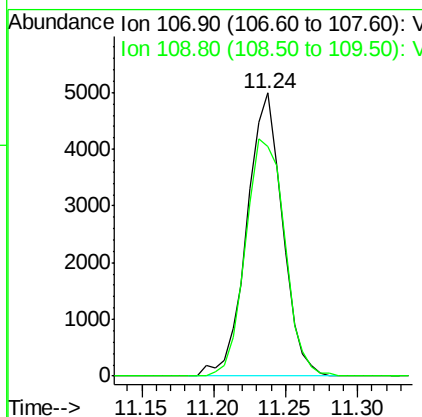
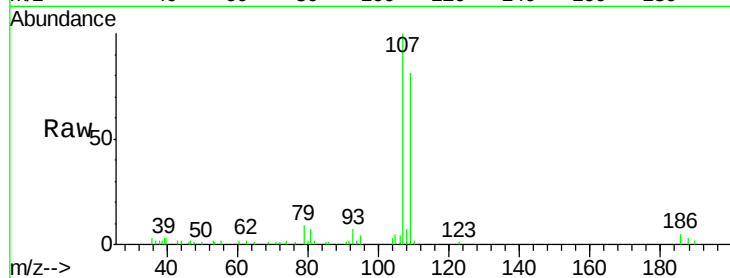
#61
 1,2-Dibromoethane
 Concen: 9.620 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.0	111.0

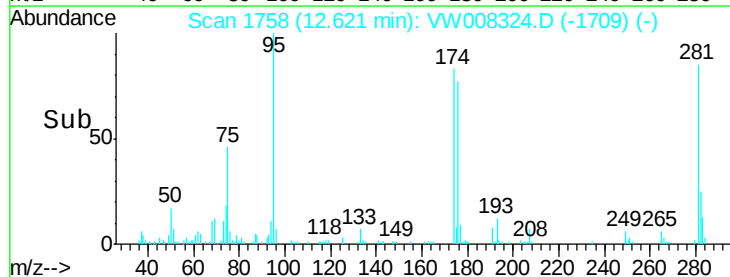
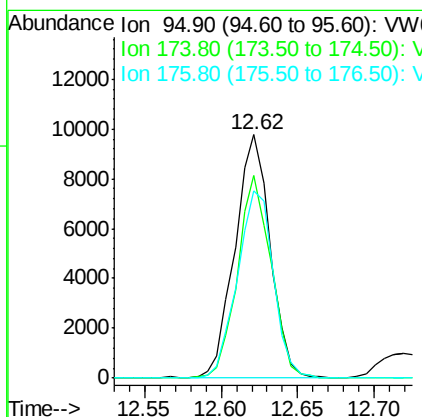
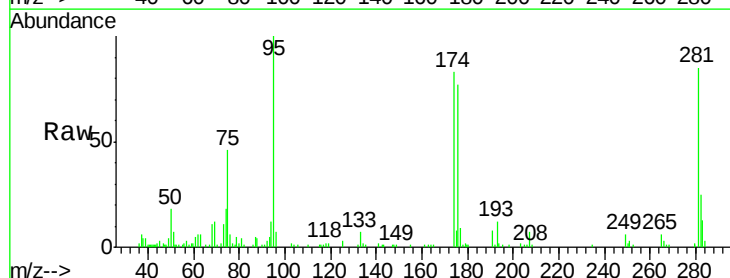
Manual Integrations
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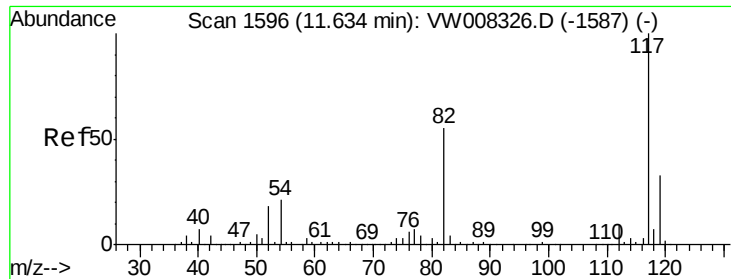
MMDadoda
 1/18/2019 2:09:26 PM



#62
 4-Bromofluorobenzene
 Concen: 9.744 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	166.0
176	78.3	0.0	160.0





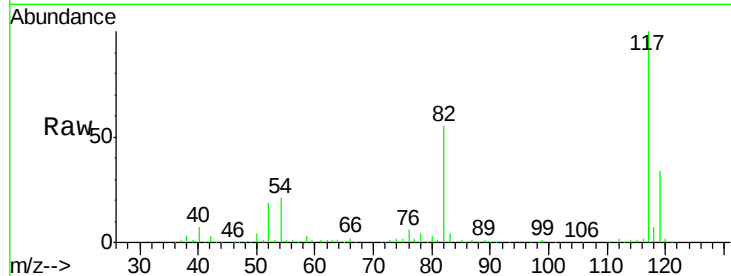
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	33.6	26.3	39.5

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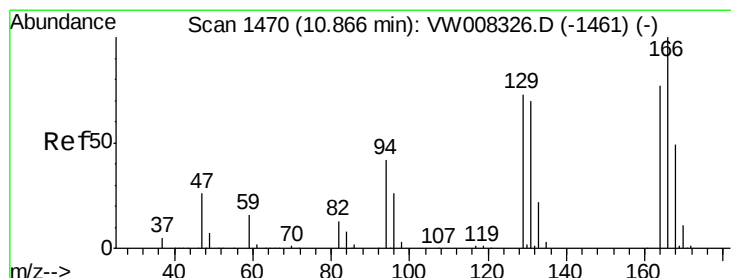
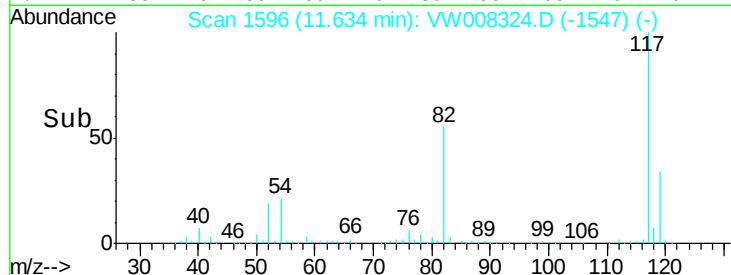
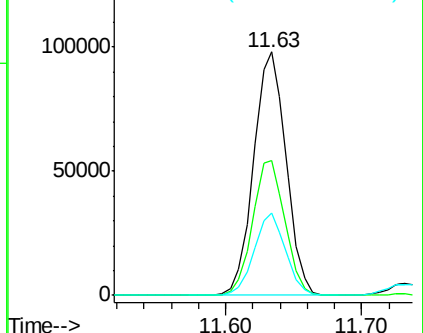


Abundance

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: 9.393 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.8	103.4	155.2
129	107.2	75.0	112.6
131	99.0	72.9	109.3

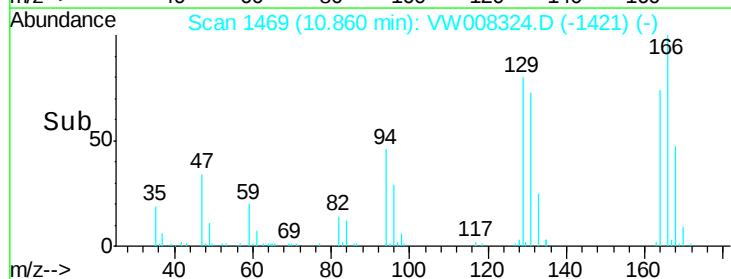
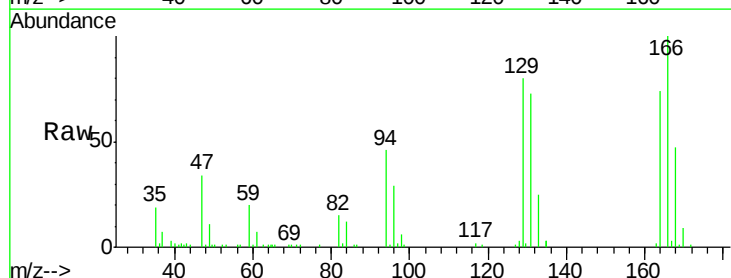
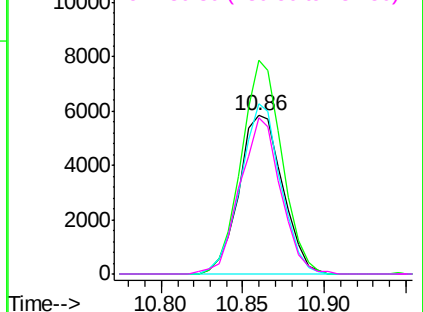
Abundance

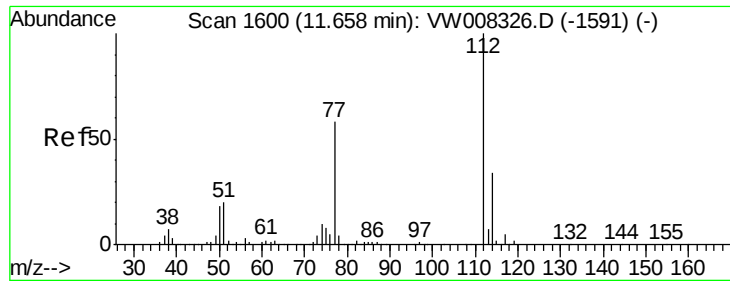
Ion 163.80 (163.50 to 164.50): V

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





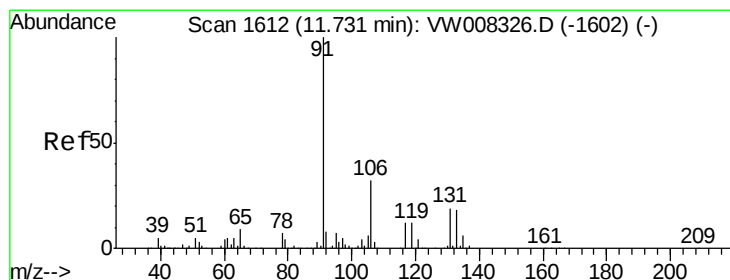
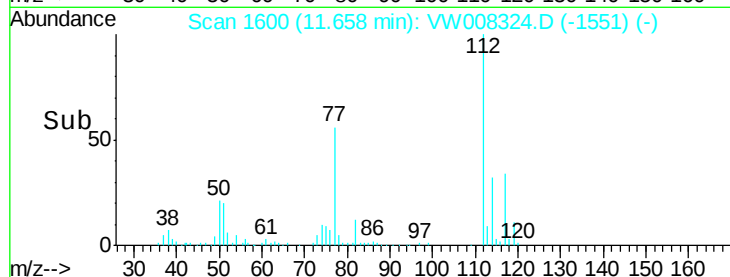
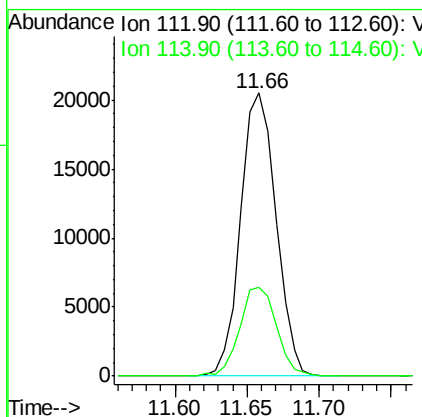
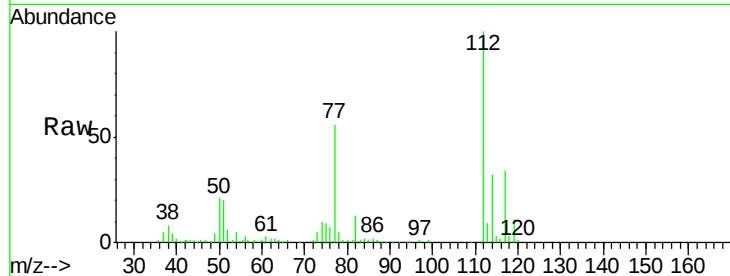
#65
Chlorobenzene
Concen: 9.759 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 34980
Ion Ratio Lower Upper
112 100
114 31.5 26.9 40.3

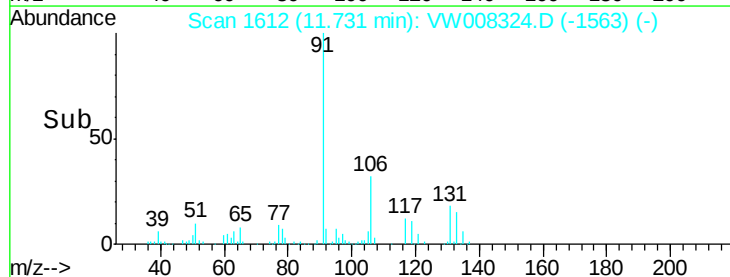
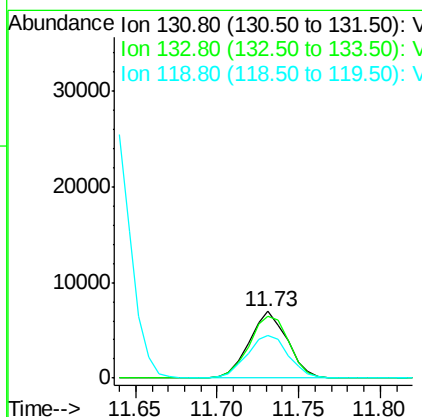
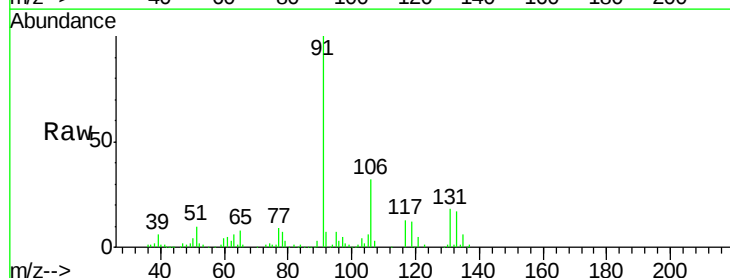
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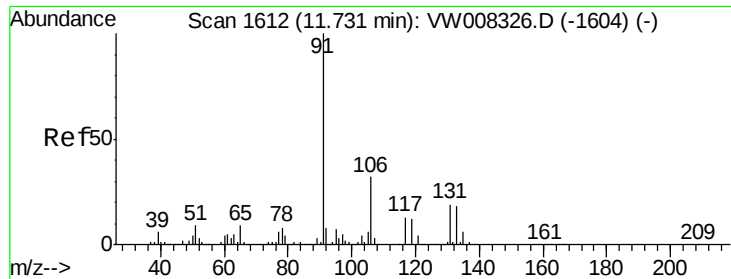
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.233 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion:131 Resp: 11390
Ion Ratio Lower Upper
131 100
133 97.2 48.2 144.6
119 69.6 31.6 94.7





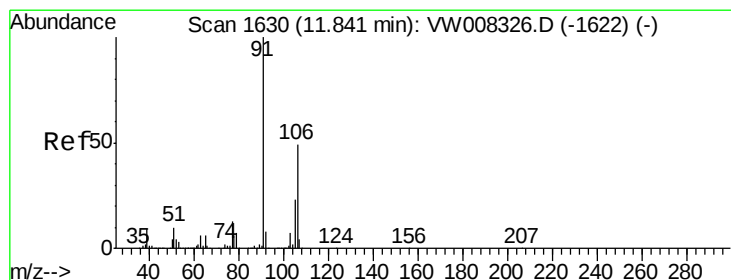
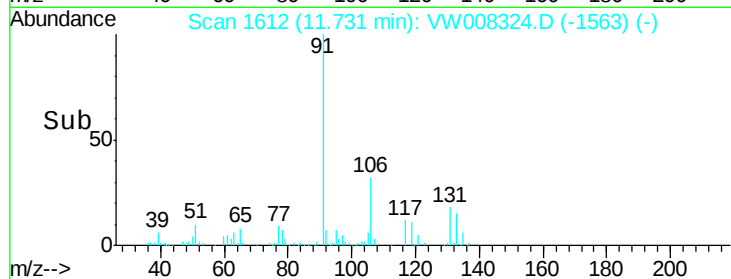
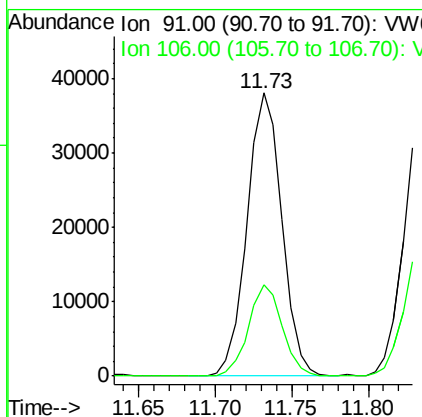
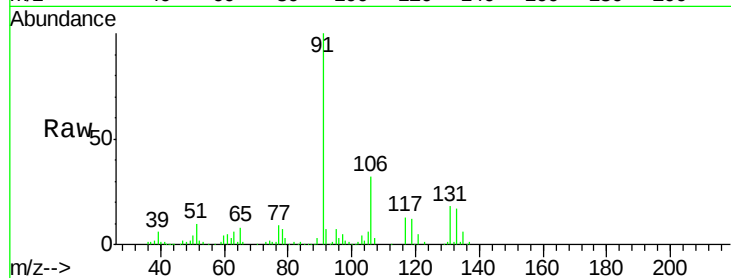
#67
Ethyl Benzene
Concen: 9.670 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 60184
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

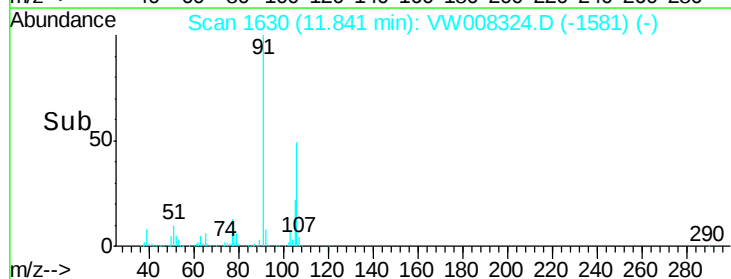
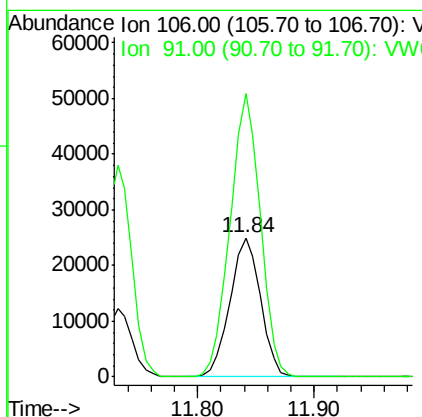
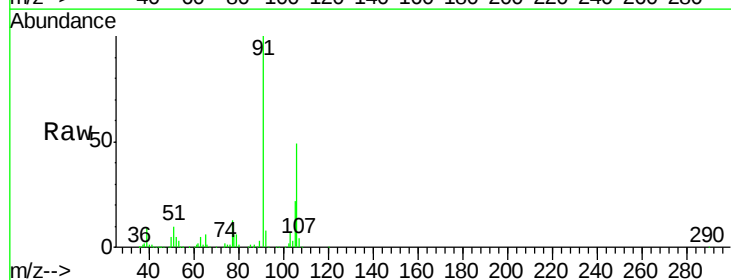
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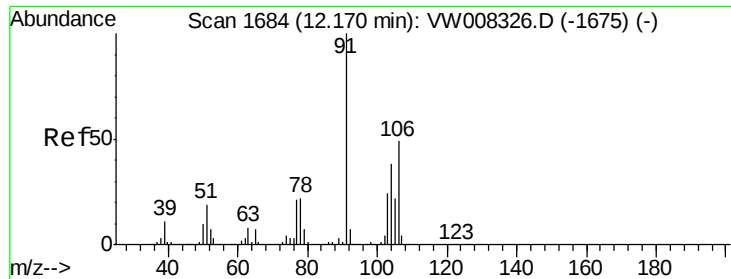
MMDadoda
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#68
m/p-Xylenes
Concen: 19.003 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion: 106 Resp: 45904
Ion Ratio Lower Upper
106 100
91 200.8 158.4 237.6





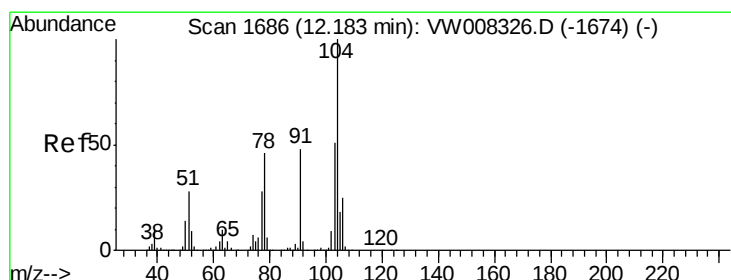
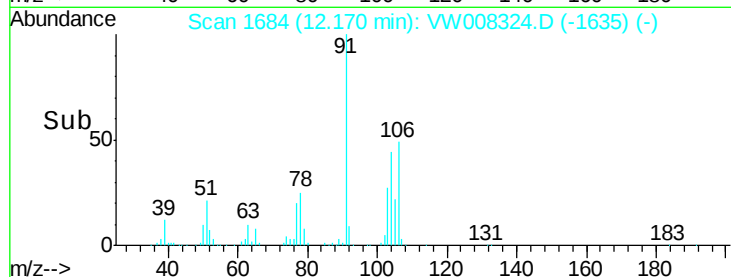
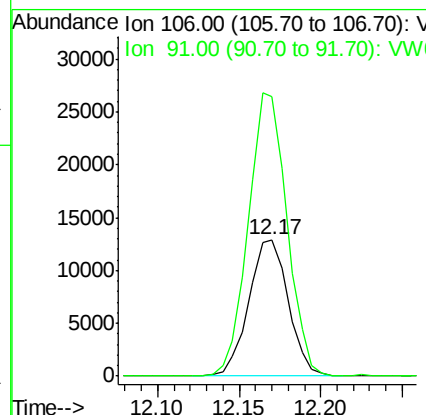
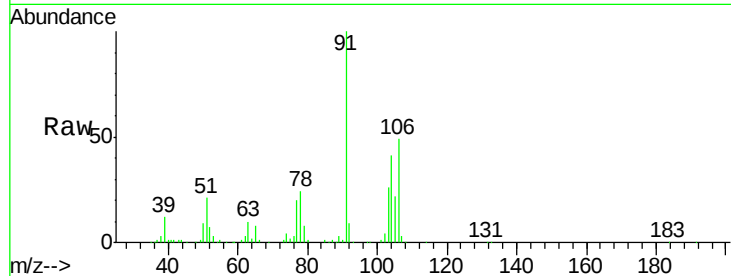
#69
o-Xylene
Concen: 9.634 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 21742
Ion Ratio Lower Upper
106 100
91 203.5 104.1 312.3

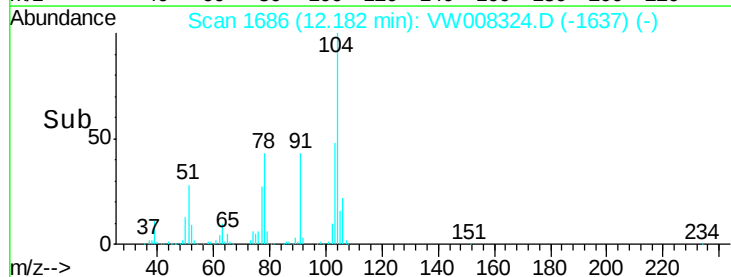
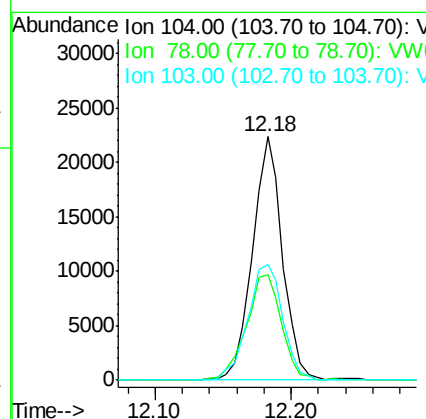
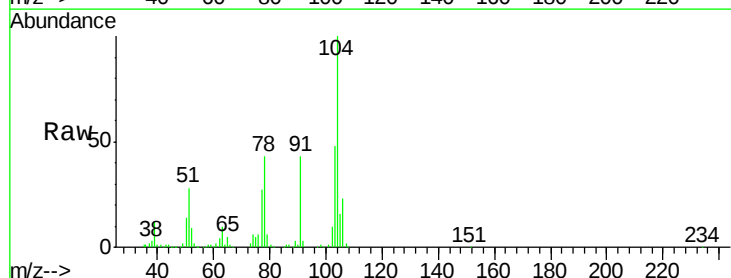
Manual Integrations
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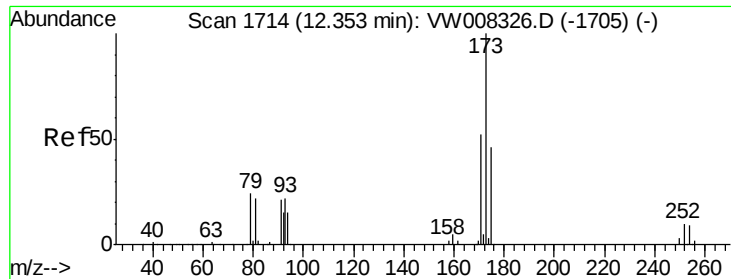
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#70
Styrene
Concen: 9.550 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion:104 Resp: 34619
Ion Ratio Lower Upper
104 100
78 50.5 39.8 59.6
103 55.5 44.0 66.0





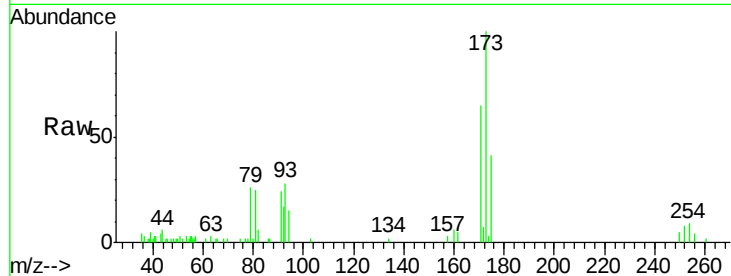
#71
Bromoform
Concen: 9.057 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

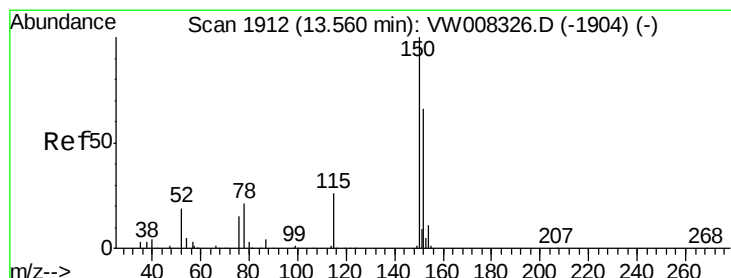
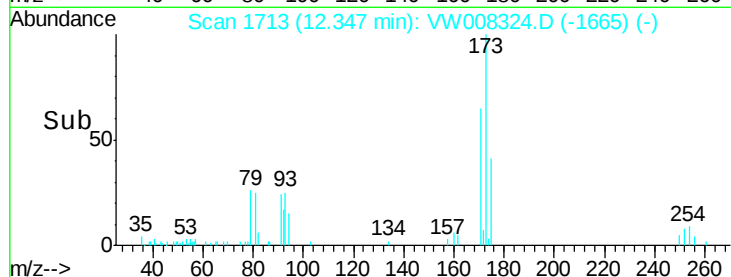
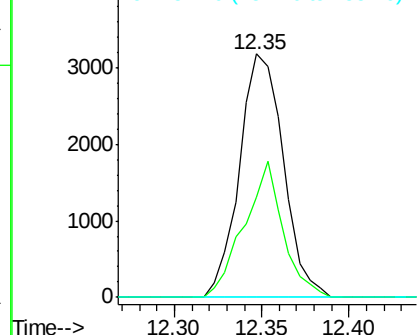
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.6	70.8
254	0.0	0.2	0.2

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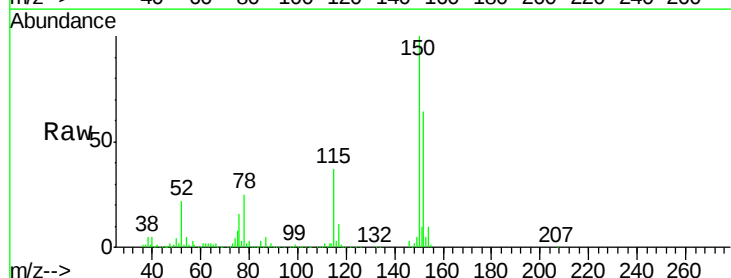


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

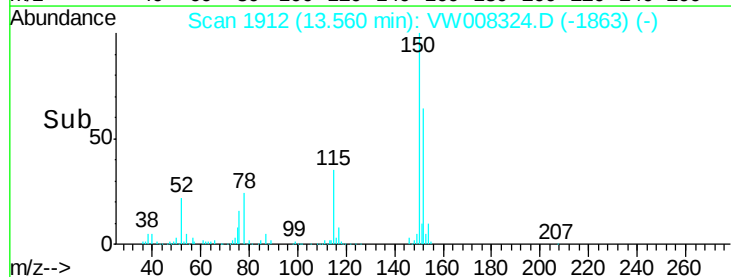
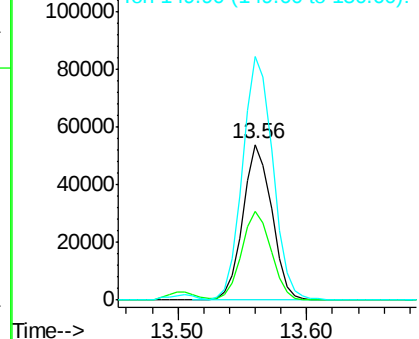


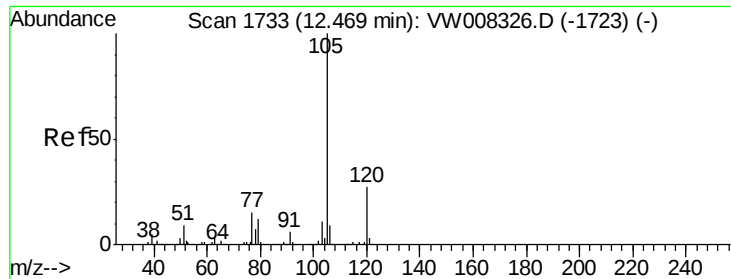
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.8	86.4
150	163.3	0.0	351.4



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





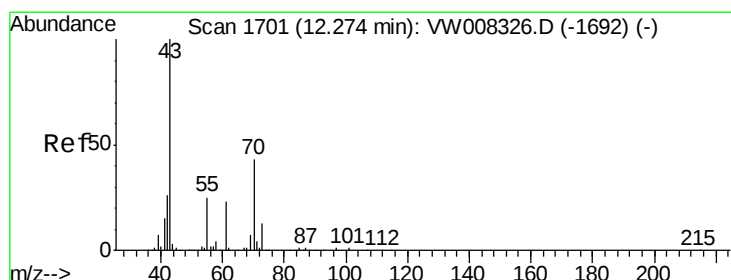
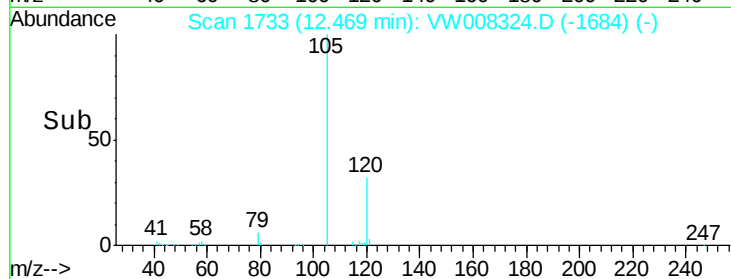
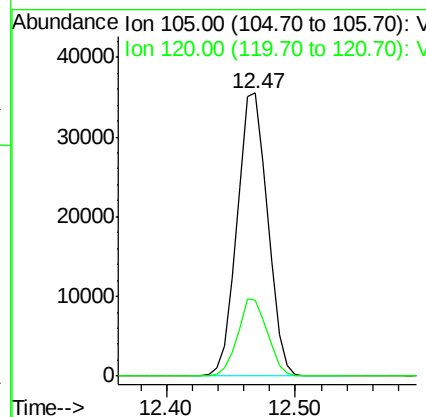
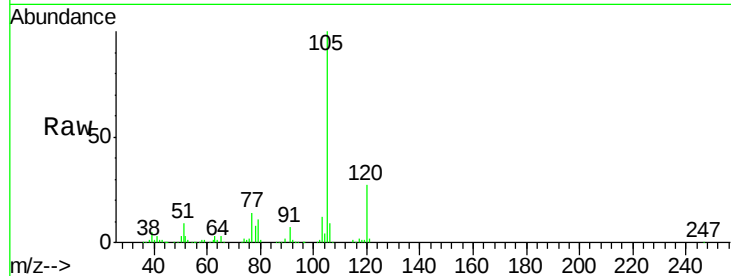
#73
Isopropylbenzene
Concen: 9.586 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:105 Resp: 58418
Ion Ratio Lower Upper
105 100
120 26.5 13.6 40.8

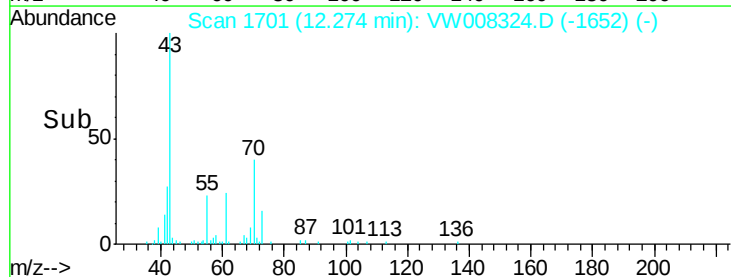
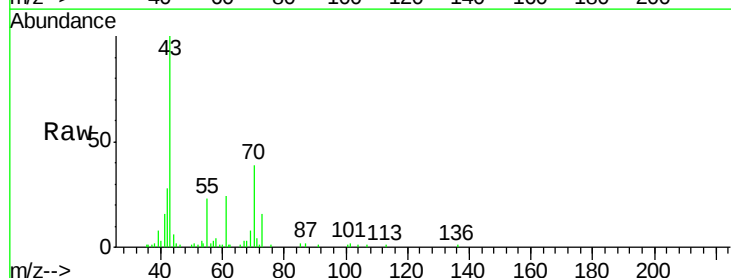
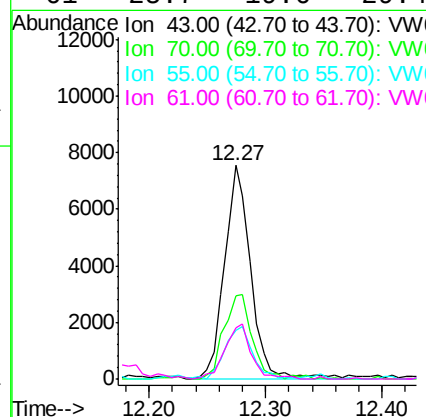
Manual Integrations
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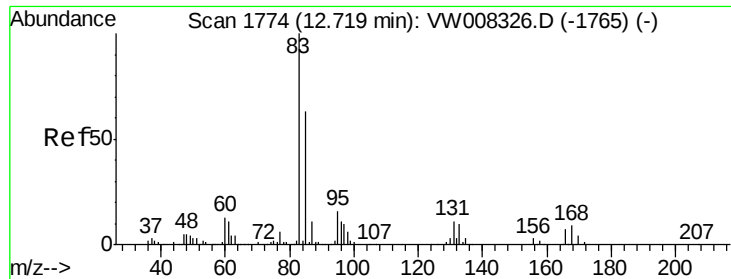
MMDadoda
1/18/2019 2:09:26 PM



#74
N-ethyl acetate
Concen: 9.041 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion: 43 Resp: 11807
Ion Ratio Lower Upper
43 100
70 41.7 34.6 52.0
55 24.3 20.0 30.0
61 25.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.867 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

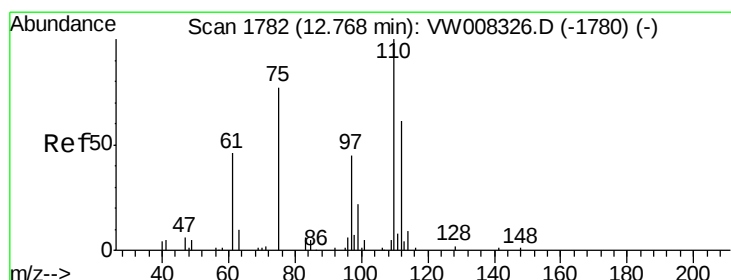
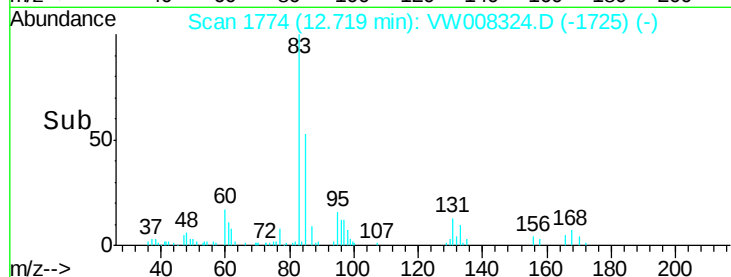
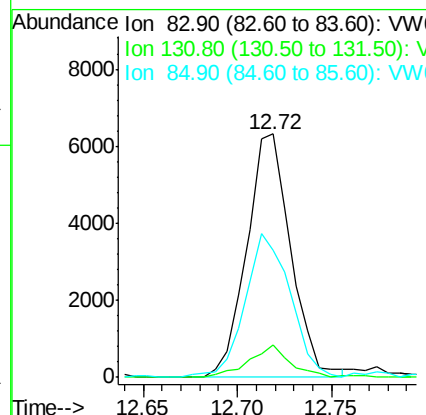
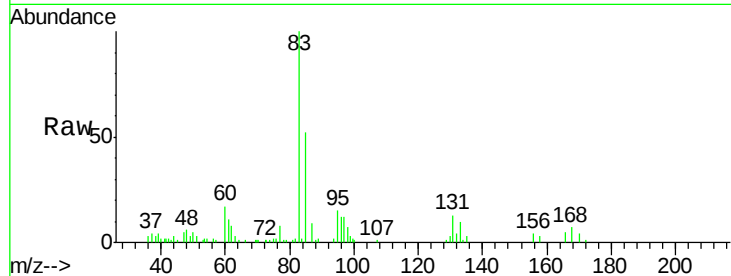
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	10228
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.5	16.5
85	60.7	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 10.306 ug/l m

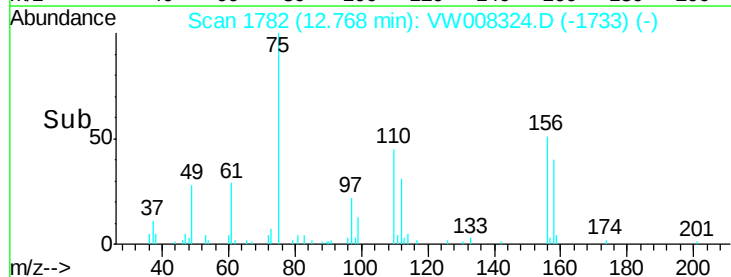
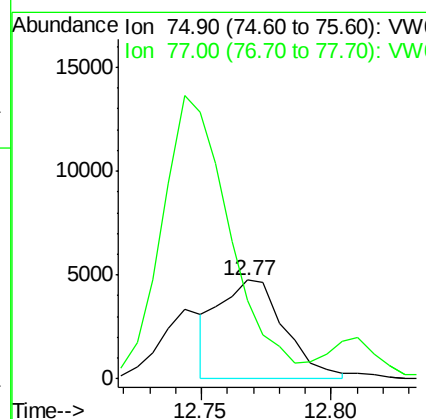
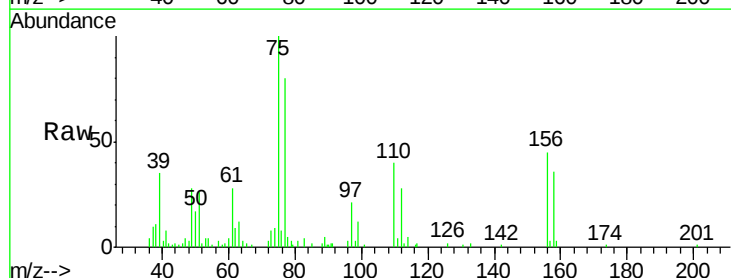
RT: 12.77 min Scan# 1782

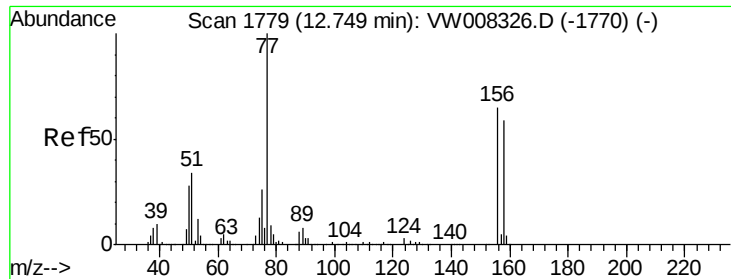
Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Tgt Ion:	75	Resp:	8379
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.3	526.1#





#77

Bromobenzene

Concen: 9.800 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008324.D

Acq: 17 Jan 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 14345

Ion Ratio Lower Upper

156 100

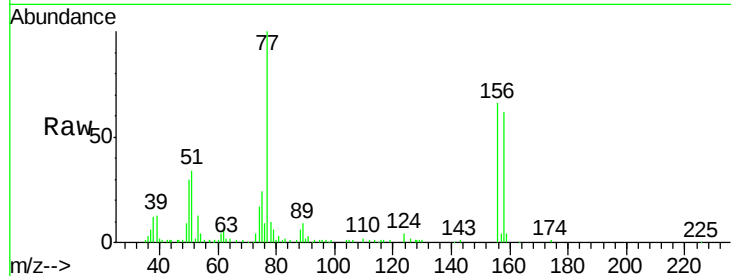
77 174.6 88.3 264.9

158 95.0 47.6 142.8

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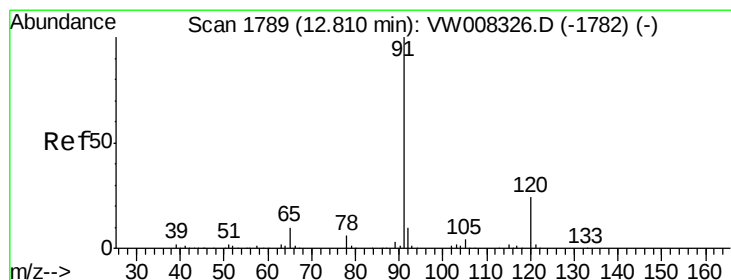
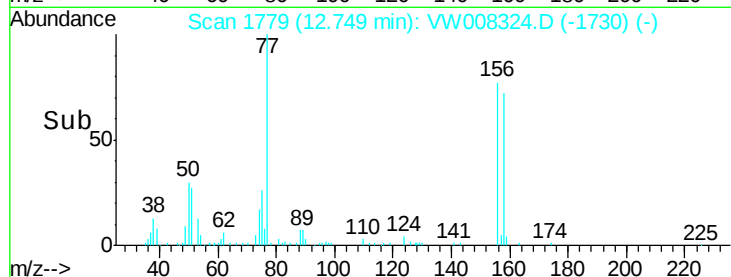
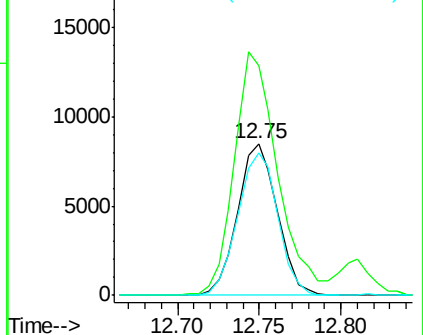
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.507 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008324.D

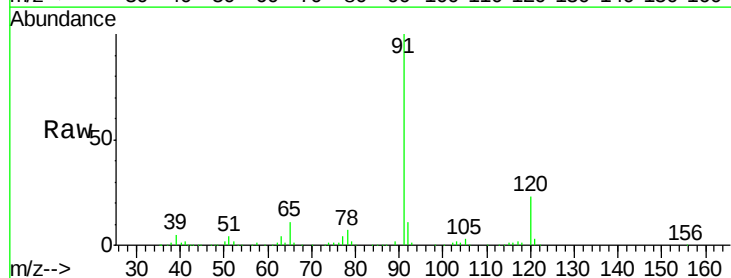
Acq: 17 Jan 2019 13:13

Tgt Ion: 91 Resp: 70124

Ion Ratio Lower Upper

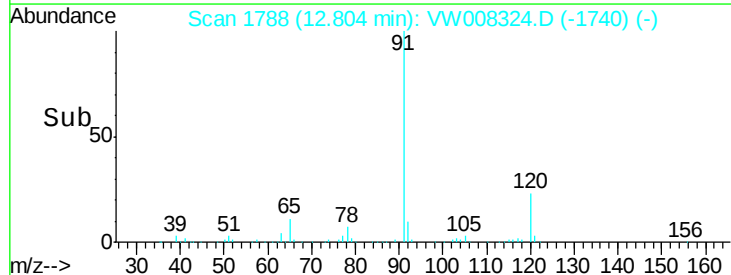
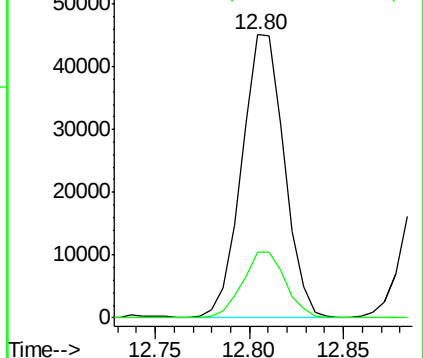
91 100

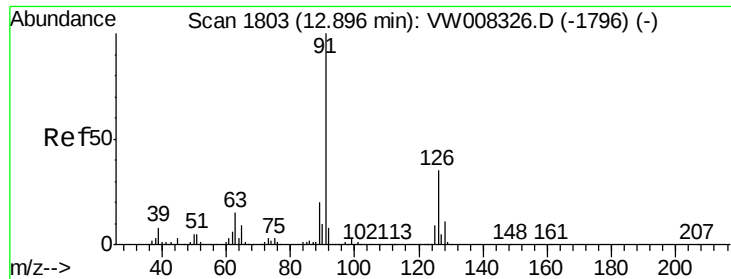
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





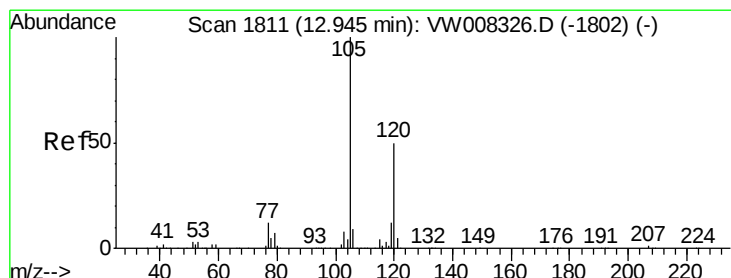
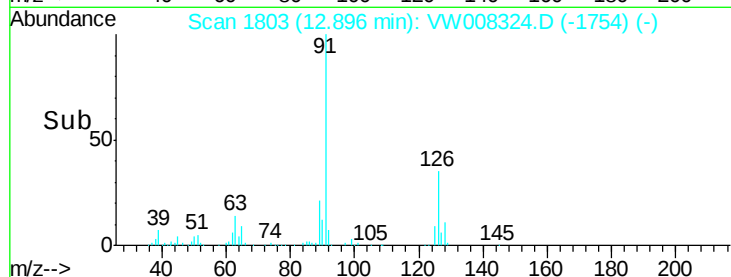
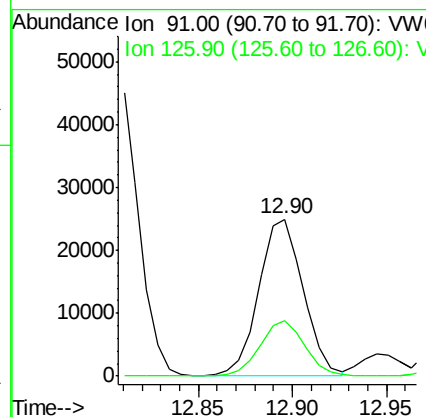
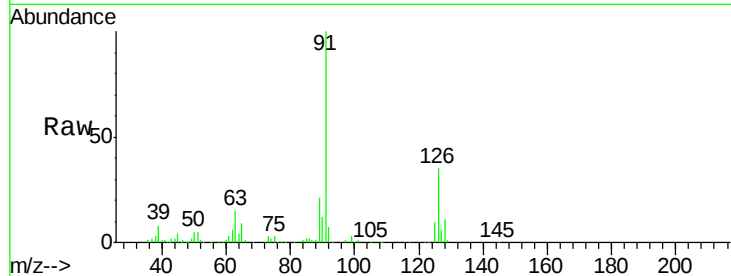
#79
 2-Chlorotoluene
 Concen: 9.612 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 40509
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.6

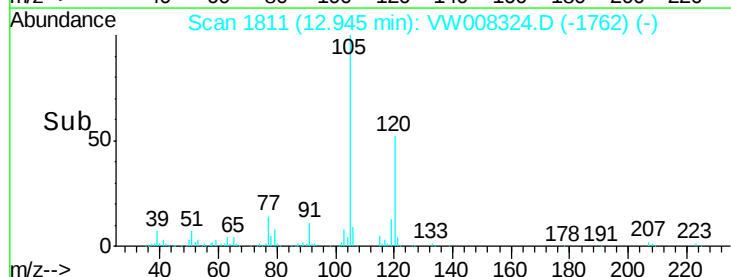
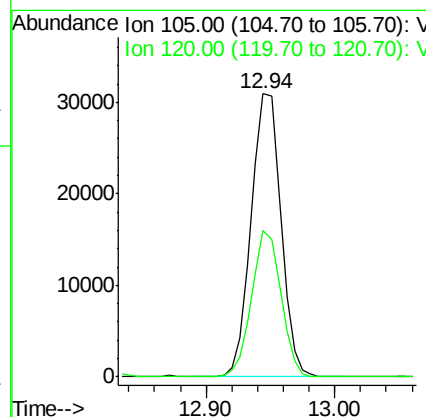
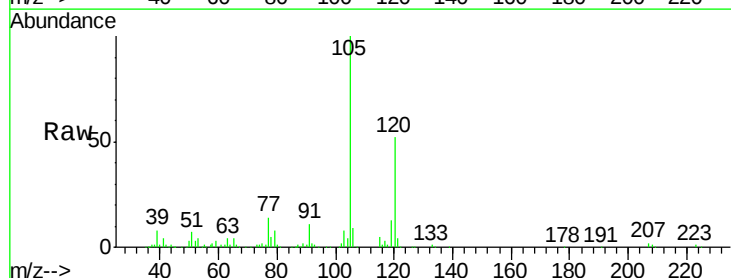
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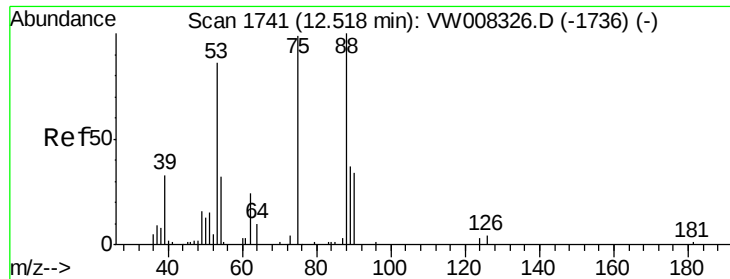
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.737 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion: 105 Resp: 49515
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.6 76.8





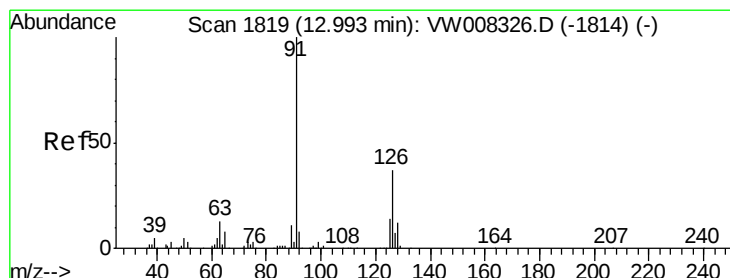
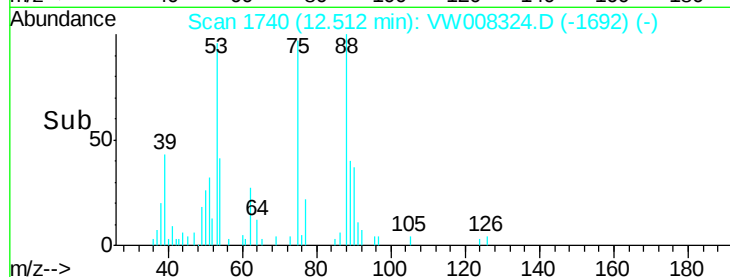
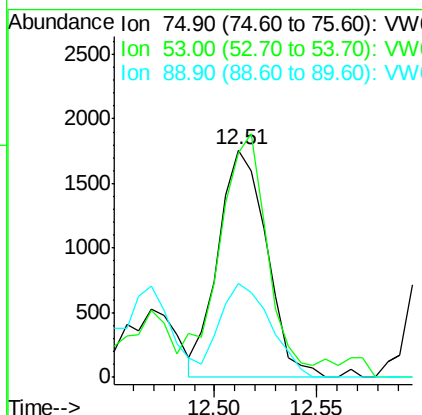
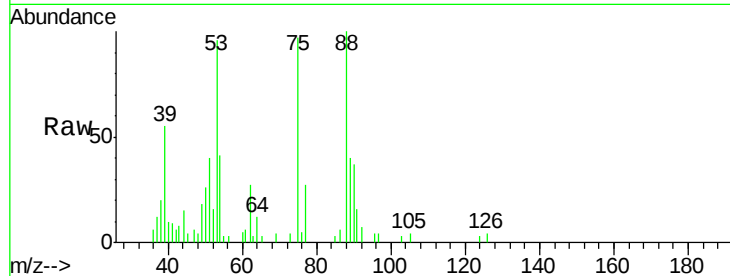
#81
trans-1,4-Dichloro-2-butene
Concen: 9.118 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	76.2	114.4
89	42.6	36.7	55.1

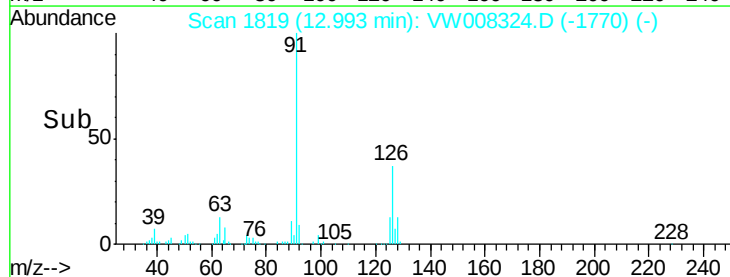
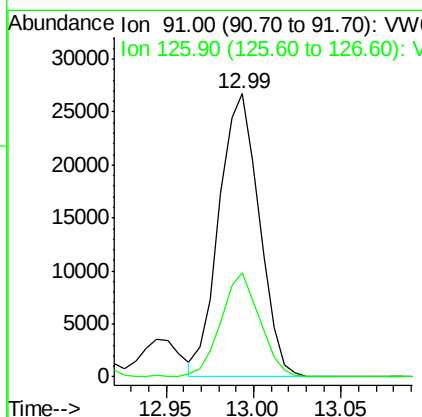
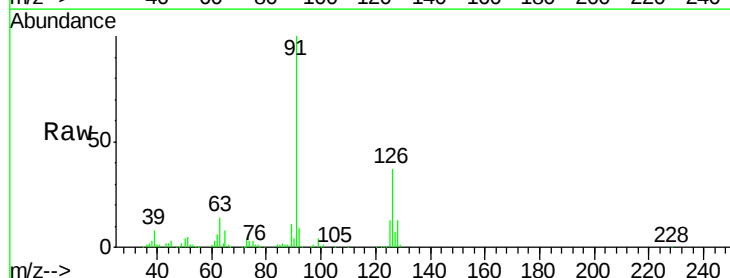
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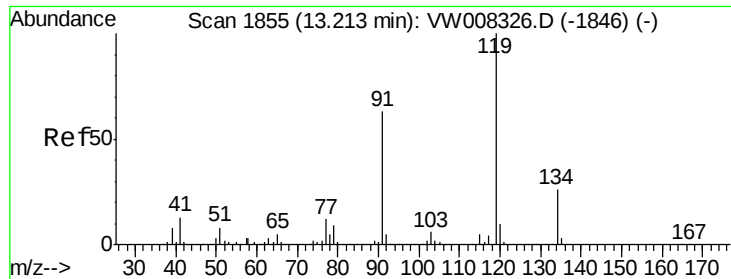
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#82
4-Chlorotoluene
Concen: 9.711 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.3





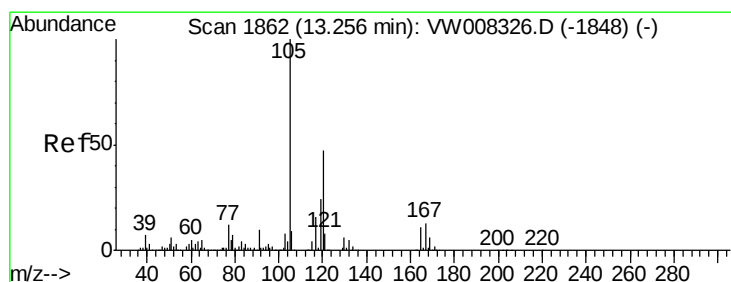
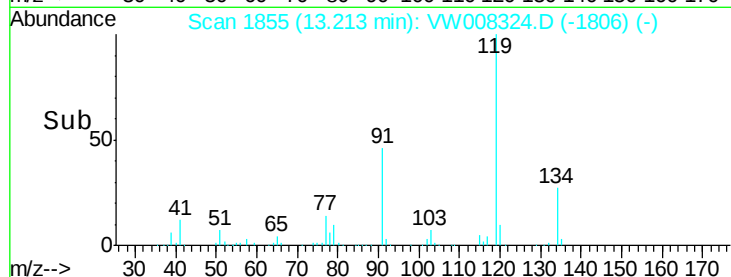
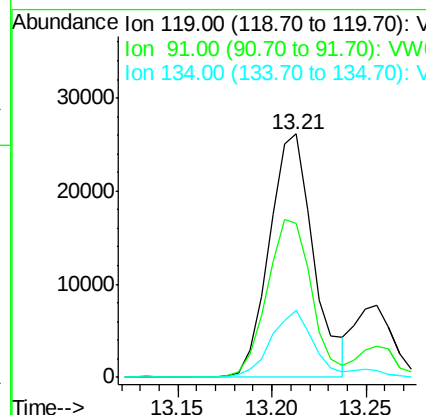
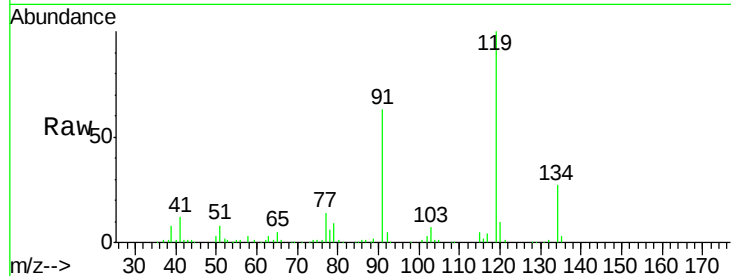
#83
 tert-Butylbenzene
 Concen: 9.499 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.4	97.0
134	26.1	13.9	41.7

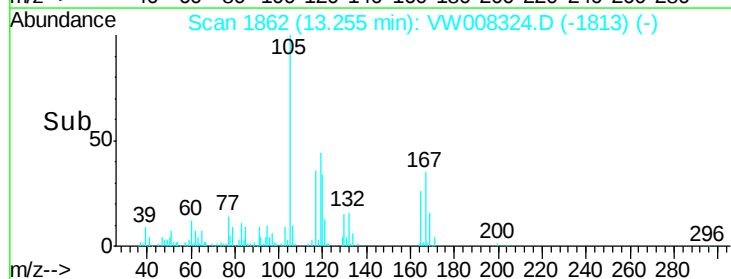
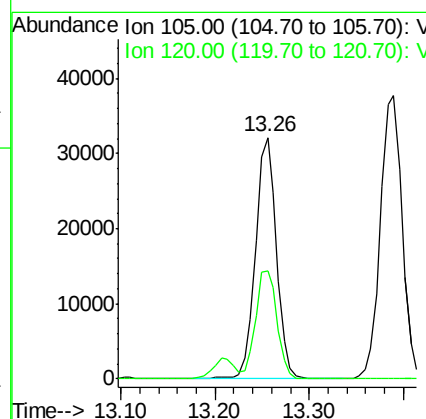
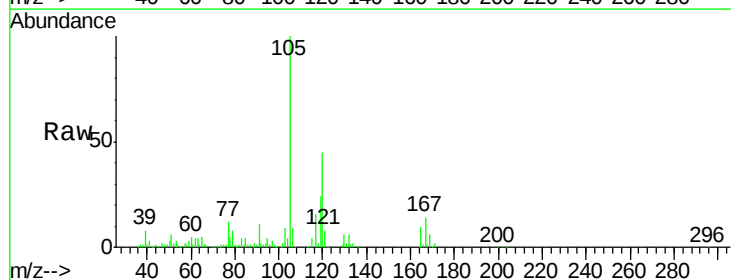
Manual Integrations
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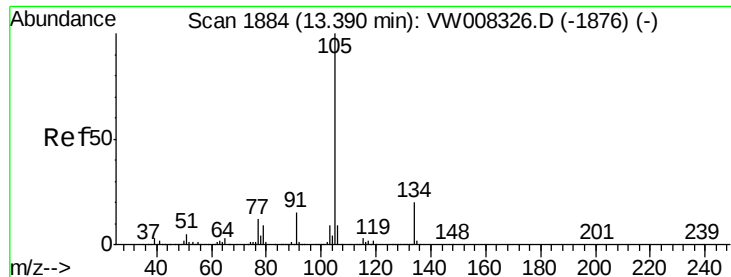
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.753 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.5	70.6





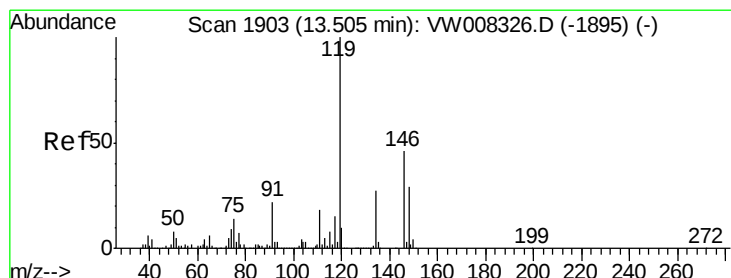
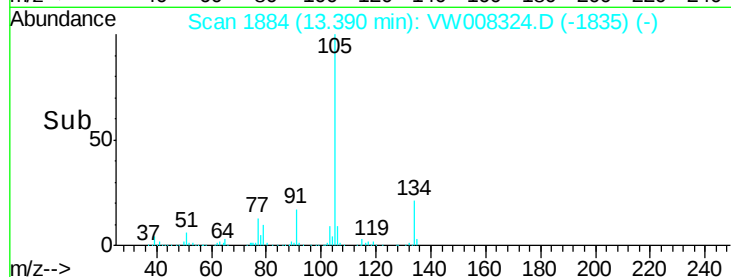
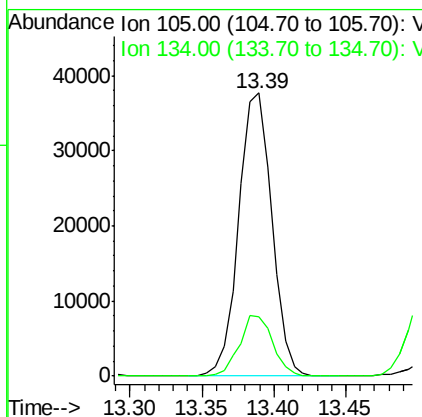
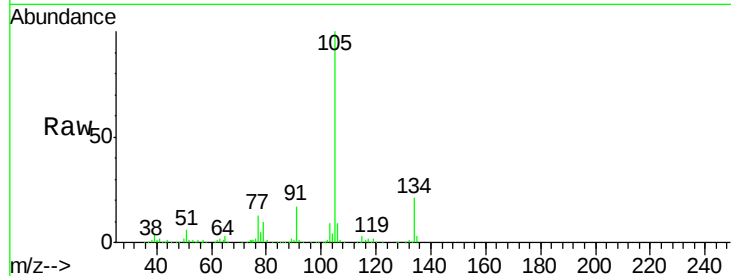
#85
 sec-Butylbenzene
 Concen: 9.369 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.1	30.3

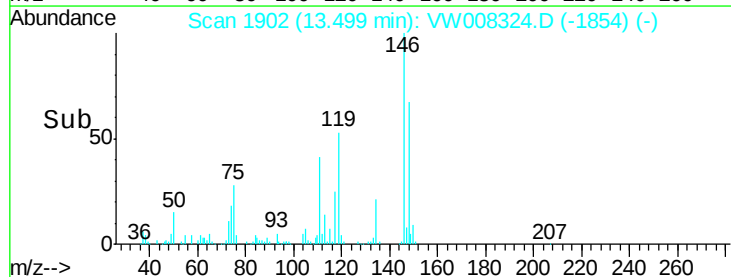
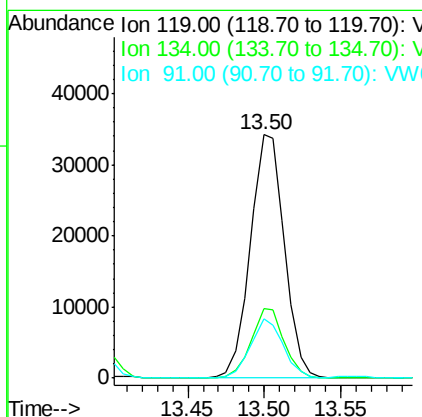
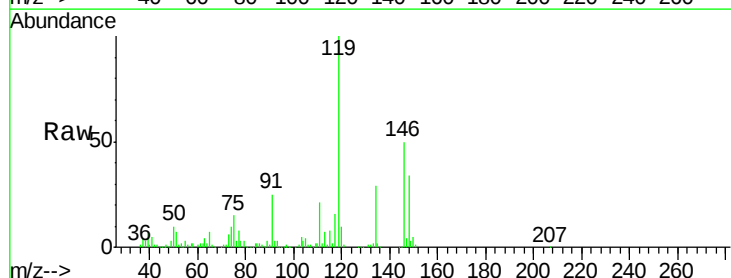
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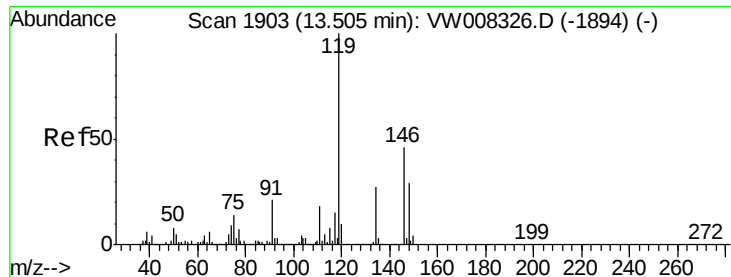
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#86
 p-Isopropyltoluene
 Concen: 9.412 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.7	41.0
91	23.7	11.4	34.2





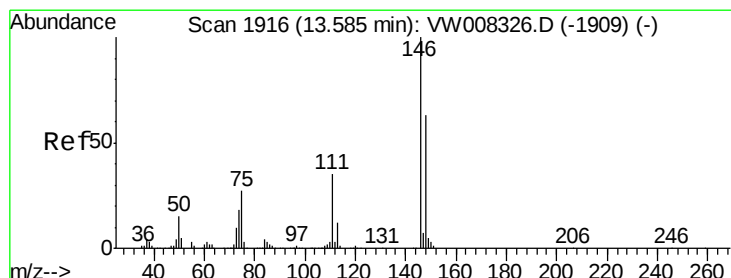
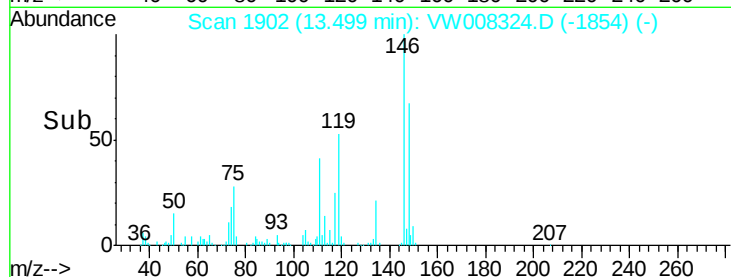
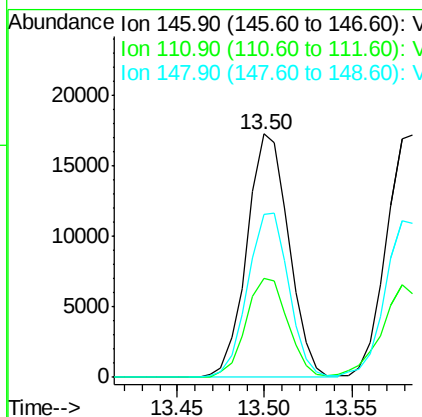
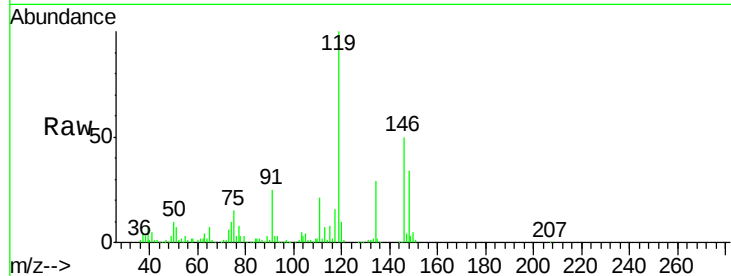
#87
 1,3-Dichlorobenzene
 Concen: 9.873 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.7
148	66.3	31.4	94.3

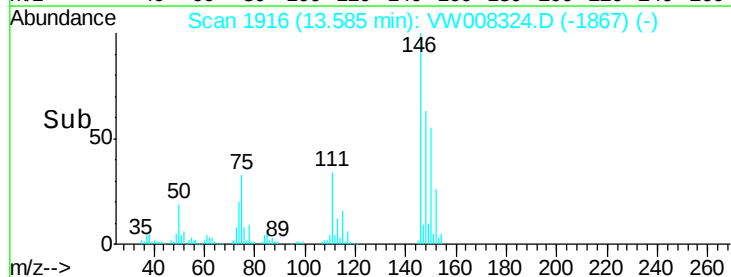
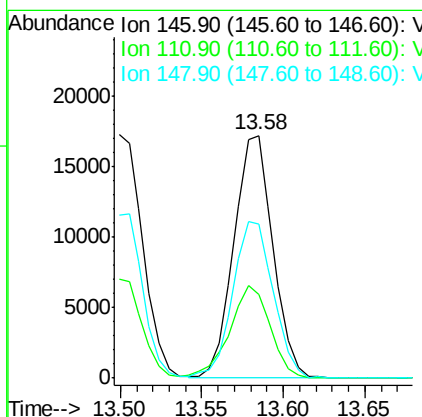
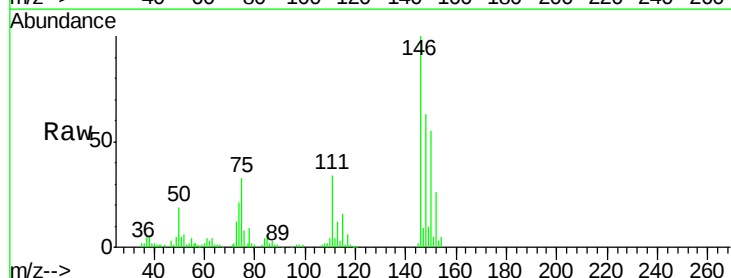
Manual Integrations
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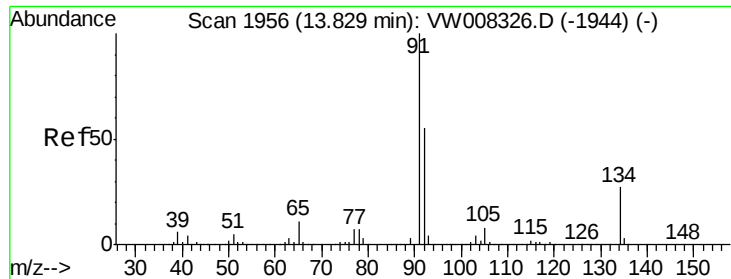
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#88
 1,4-Dichlorobenzene
 Concen: 9.850 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.9	56.5
148	66.7	31.6	94.8





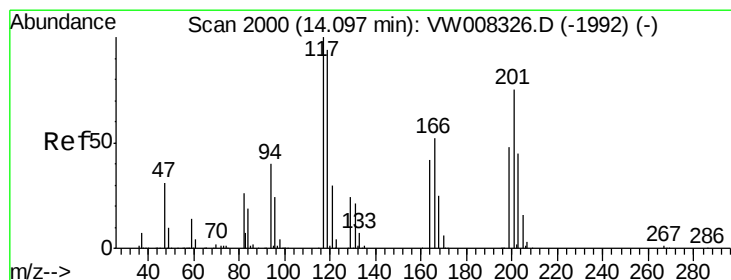
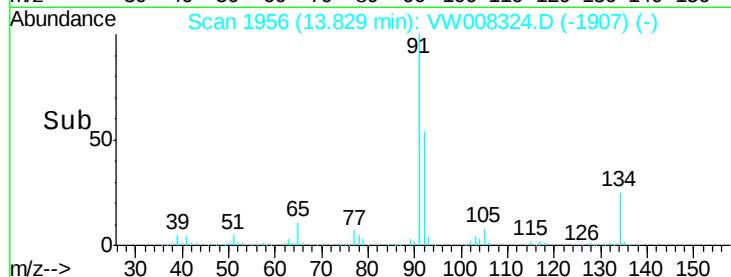
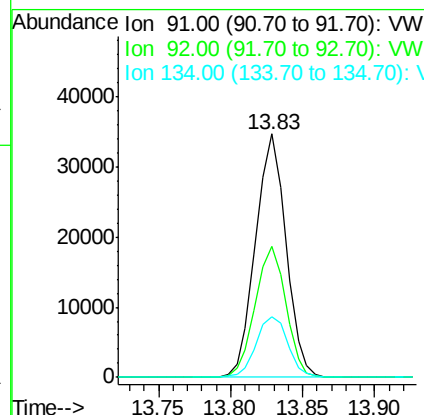
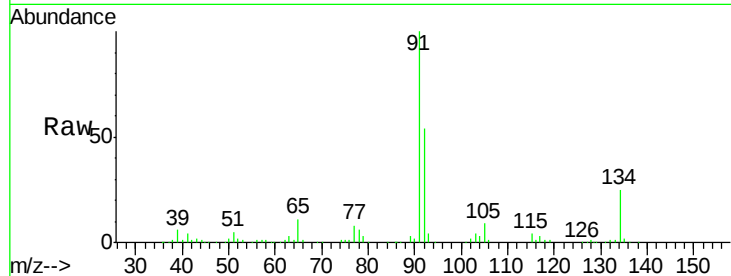
#89
n-Butylbenzene
Concen: 9.432 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	25.9	13.4	40.1

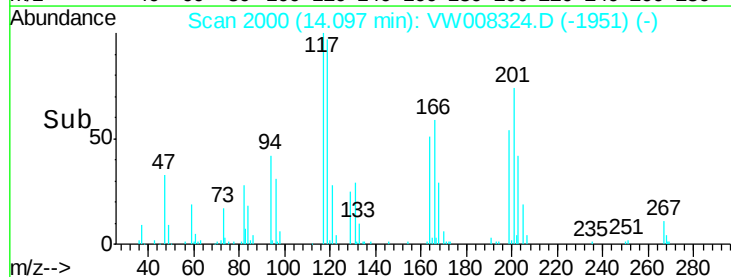
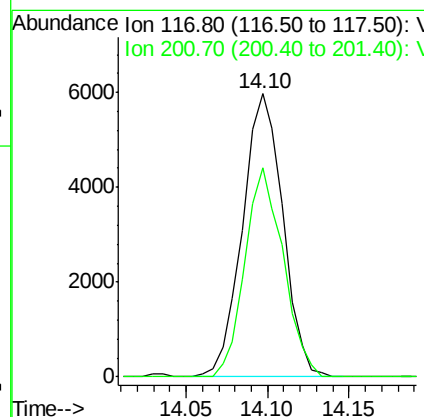
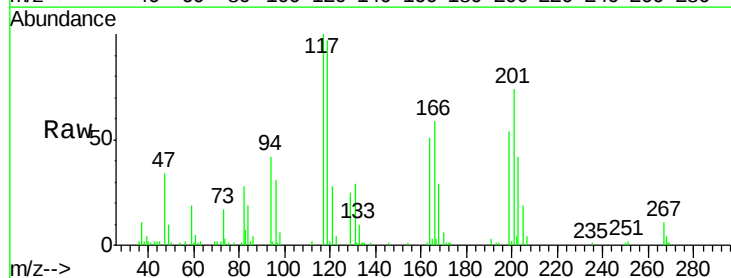
Manual Integrations
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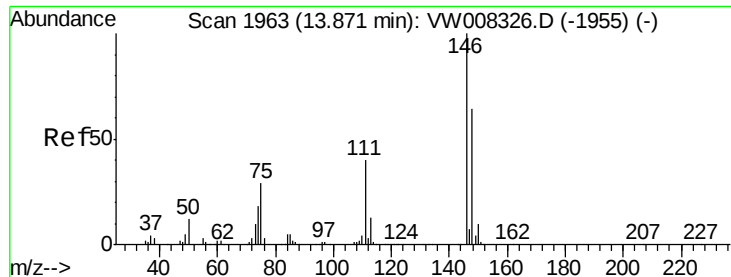
MMDadoda
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#90
Hexachloroethane
Concen: 9.932 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	39.3	117.9





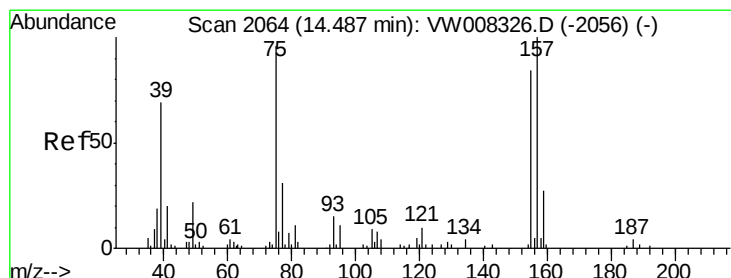
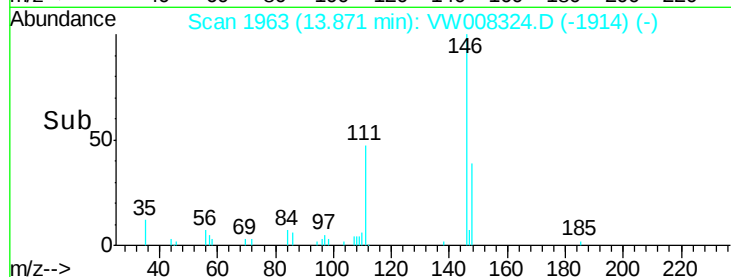
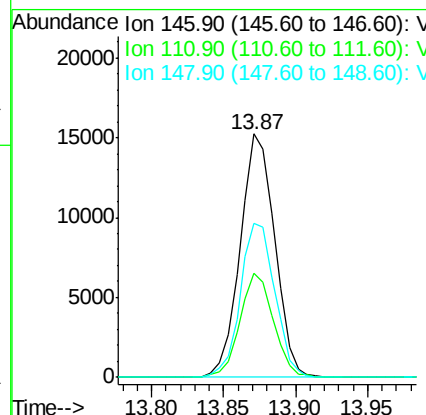
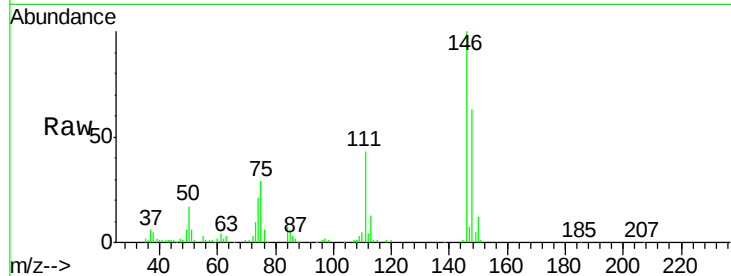
#91
 1,2-Dichlorobenzene
 Concen: 9.897 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.6	58.8
148	63.1	31.7	95.1

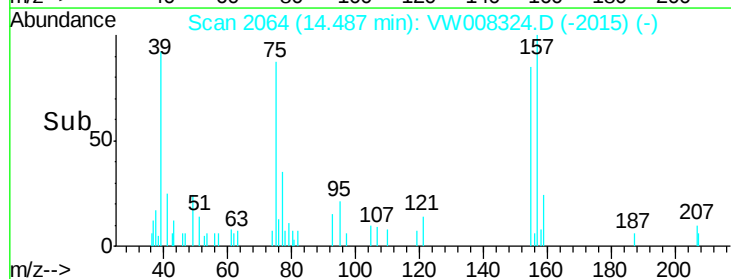
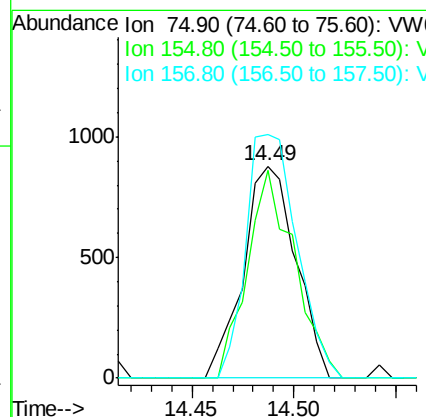
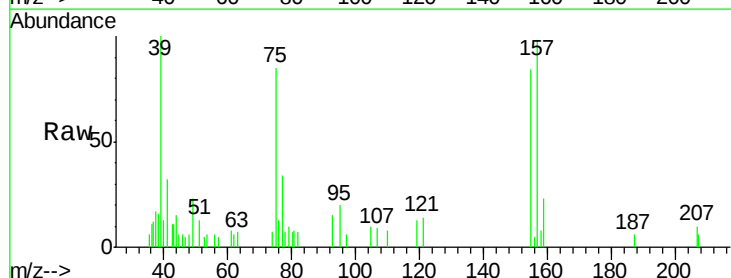
Manual Integrations
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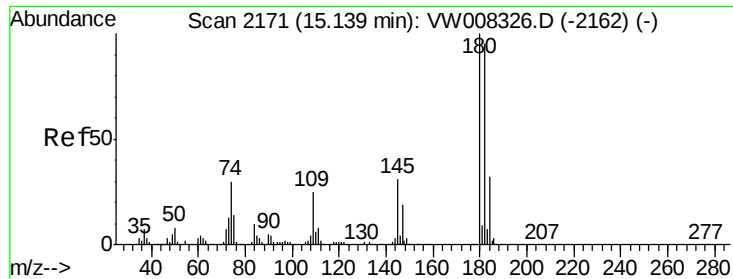
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.299 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	44.7	134.1
157	111.5	53.9	161.8





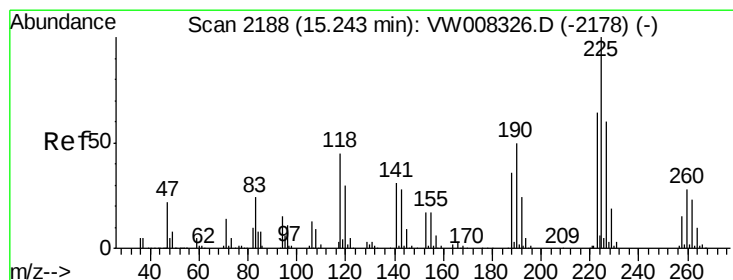
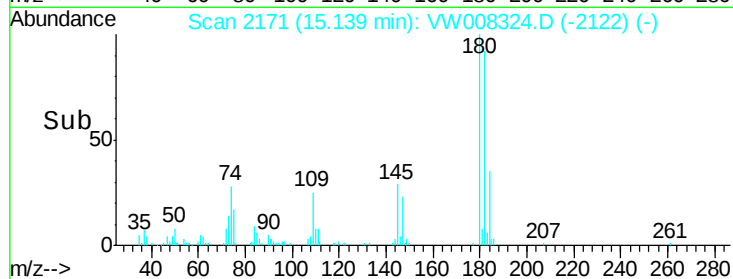
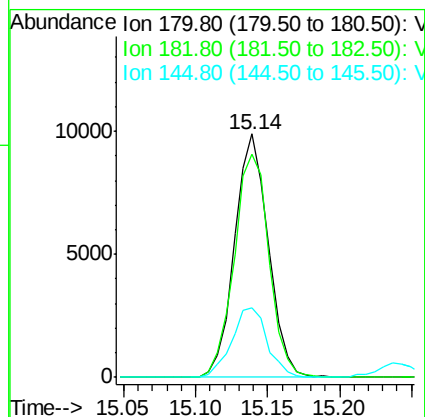
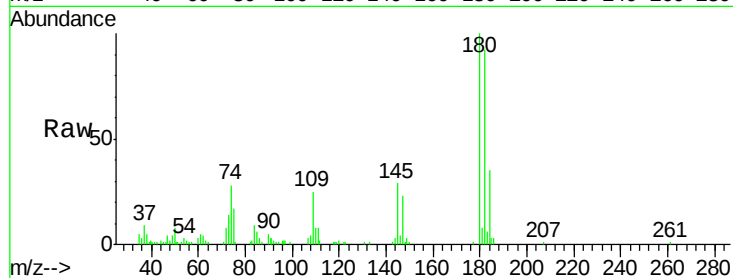
#93
 1,2,4-Trichlorobenzene
 Concen: 9.273 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	16119		
182	95.1	47.6	142.8	
145	30.1	14.8	44.4	

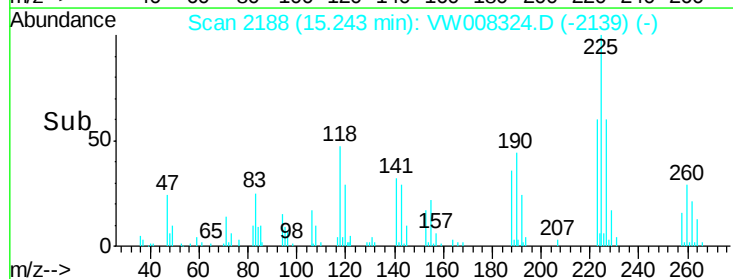
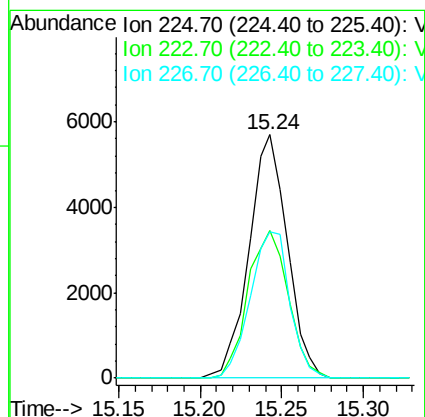
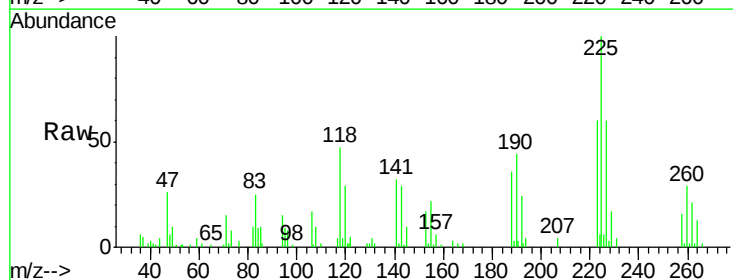
Manual Integrations
 APPROVED

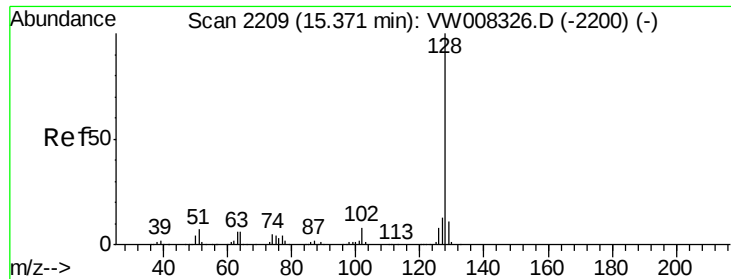
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#94
 Hexachlorobutadiene
 Concen: 9.513 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008324.D
 Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9319		
223	63.8	31.1	93.3	
227	62.1	30.3	90.8	





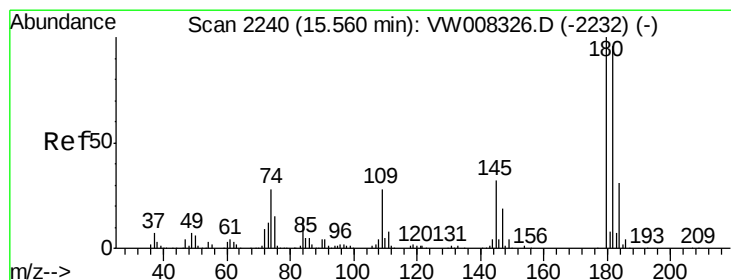
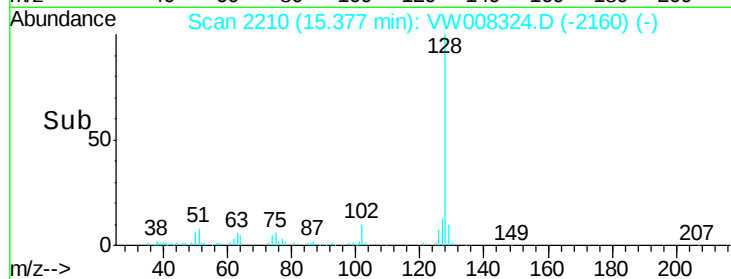
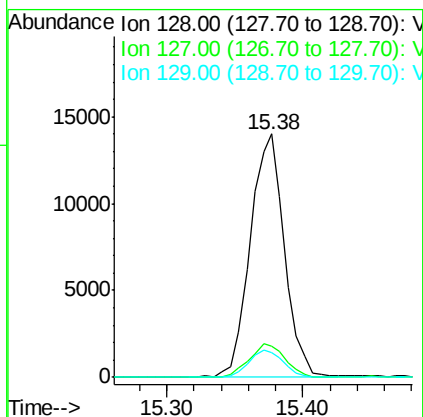
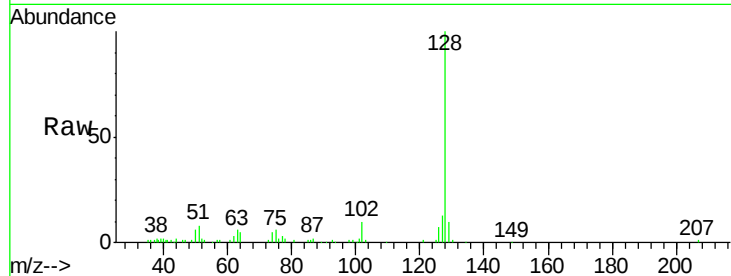
#95
Naphthalene
Concen: 8.485 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 9.589 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008324.D
Acq: 17 Jan 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.3	141.9
145	31.1	16.2	48.6

