

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008323.D
 Acq On : 17 Jan 2019 12:47
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:09:19 PM

Quant Time: Jan 18 00:37:06 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	107071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	178705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	165843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83096	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	6100	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
35) Dibromofluoromethane	7.88	113	5747	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	
50) Toluene-d8	10.32	98	22444	5.01	ug/l	0.00
Spiked Amount			Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.62	95	8710	5.42	ug/l	0.00
Spiked Amount			Recovery	=	10.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	3560	5.277	ug/l	78
3) Chloromethane	2.21	50	6068	6.136	ug/l	97
4) Vinyl Chloride	2.37	62	7215	5.710	ug/l	99
5) Bromomethane	2.79	94	5103	5.329	ug/l	86
6) Chloroethane	2.93	64	3945	4.770	ug/l #	81
7) Trichlorofluoromethane	3.25	101	4671	5.034	ug/l	98
8) Diethyl Ether	3.67	74	3809	5.920	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	5716	5.292	ug/l	96
10) Methyl Iodide	4.25	142	9095	5.221	ug/l #	85
11) Tert butyl alcohol	5.16	59	2291m	29.757	ug/l	
12) 1,1-Dichloroethene	4.03	96	5731	5.216	ug/l	89
13) Acrolein	3.88	56	1472m	22.258	ug/l	
14) Allyl chloride	4.67	41	9183	5.000	ug/l	97
15) Acrylonitrile	5.36	53	6201	25.090	ug/l	98
16) Acetone	4.12	43	7538	29.142	ug/l	100
17) Carbon Disulfide	4.37	76	17858	5.342	ug/l	98
18) Methyl Acetate	4.67	43	3947	5.712	ug/l	91
19) Methyl tert-butyl Ether	5.43	73	8550	5.084	ug/l	95
20) Methylene Chloride	4.91	84	9597	6.987	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	6601	5.350	ug/l	88
22) Diisopropyl ether	6.31	45	17608	4.911	ug/l	97
23) Vinyl Acetate	6.25	43	41914	21.867	ug/l	96
24) 1,1-Dichloroethane	6.21	63	11590	5.308	ug/l	98
25) 2-Butanone	7.18	43	8295	25.038	ug/l	90
26) 2,2-Dichloropropane	7.15	77	7932	5.693	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	6829	5.108	ug/l	94
28) Bromochloromethane	7.50	49	4805	5.342	ug/l #	98
29) Tetrahydrofuran	7.52	42	4945	23.943	ug/l	92
30) Chloroform	7.67	83	10913	5.052	ug/l	95
31) Cyclohexane	7.95	56	12489	6.004	ug/l #	83
32) 1,1,1-Trichloroethane	7.86	97	9747	5.376	ug/l	95
36) 1,1-Dichloropropene	8.08	75	9145	5.086	ug/l	99
37) Ethyl Acetate	7.26	43	4168	5.622	ug/l #	93
38) Carbon Tetrachloride	8.06	117	9011	5.076	ug/l	98

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	10226	4.782	ug/l	95
40) Benzene	8.32	78	25449	4.997	ug/l	100
41) Methacrylonitrile	7.48	41	2266	5.250	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	7364	5.171	ug/l	99
43) Isopropyl Acetate	8.43	43	6741	4.813	ug/l	96
44) Trichloroethene	9.09	130	7146	5.121	ug/l	100
45) 1,2-Dichloropropane	9.37	63	6349	5.019	ug/l #	87
46) Dibromomethane	9.46	93	3495	5.301	ug/l	91
47) Bromodichloromethane	9.65	83	7620	4.685	ug/l	99
48) Methyl methacrylate	9.43	41	3049	4.625	ug/l	96
49) 1,4-Dioxane	9.45	88	1155	108.816	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	16558	23.349	ug/l	91
52) Toluene	10.39	92	15702	4.872	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	7651	4.713	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	8779	4.588	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	4665	5.101	ug/l	96
56) Ethyl methacrylate	10.65	69	4573	4.258	ug/l	96
57) 1,3-Dichloropropane	10.93	76	7845	4.941	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	10650	20.557	ug/l	95
59) 2-Hexanone	10.97	43	10486	21.104	ug/l	91
60) Dibromochloromethane	11.13	129	5007	4.587	ug/l	99
61) 1,2-Dibromoethane	11.23	107	4171	4.710	ug/l	98
64) Tetrachloroethene	10.86	164	5625	4.837	ug/l	98
65) Chlorobenzene	11.66	112	17970	4.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	6253	5.022	ug/l	96
67) Ethyl Benzene	11.73	91	30247	4.816	ug/l	98
68) m/p-Xylenes	11.85	106	23422	9.607	ug/l	100
69) o-Xylene	12.17	106	10436	4.582	ug/l	99
70) Styrene	12.18	104	16298	4.455	ug/l	96
71) Bromoform	12.35	173	2700	4.353	ug/l #	99
73) Isopropylbenzene	12.46	105	27414	4.528	ug/l	99
74) N-amyl acetate	12.27	43	5731	4.417	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	5183	5.033	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	3546m	4.390	ug/l	
77) Bromobenzene	12.75	156	7022	4.828	ug/l	99
78) n-propylbenzene	12.80	91	34161	4.661	ug/l	99
79) 2-Chlorotoluene	12.90	91	20523	4.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	23209	4.594	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1485	4.683	ug/l	99
82) 4-Chlorotoluene	12.99	91	21617	4.941	ug/l	99
83) tert-Butylbenzene	13.21	119	21077	4.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	24815	4.821	ug/l	98
85) sec-Butylbenzene	13.39	105	31509	4.935	ug/l	99
86) p-Isopropyltoluene	13.51	119	26286	4.714	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	14859	5.142	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	15135	5.228	ug/l	96
89) n-Butylbenzene	13.83	91	25277	4.726	ug/l	97
90) Hexachloroethane	14.10	117	4996	4.841	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	12712	4.983	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	935	5.552	ug/l	83

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 ClientSampleId :
 VSTDICC005

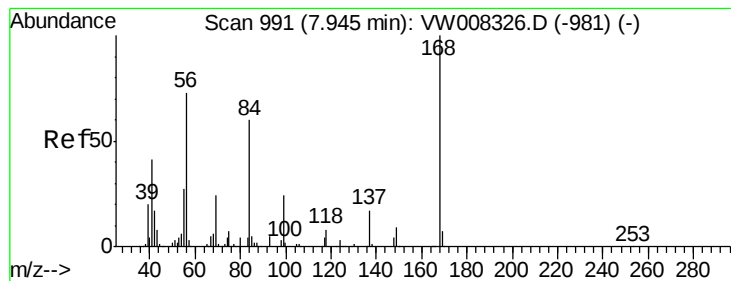
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	7694	4.455	ug/l	99
94) Hexachlorobutadiene	15.24	225	4479	4.602	ug/l	90
95) Naphthalene	15.38	128	11658	4.040	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.56	180	7074	4.703	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 107071

Ion Ratio Lower Upper

168 100

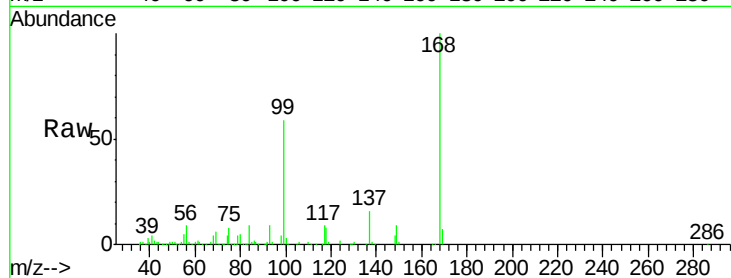
99 58.8 44.6 66.8

Manual Integrations

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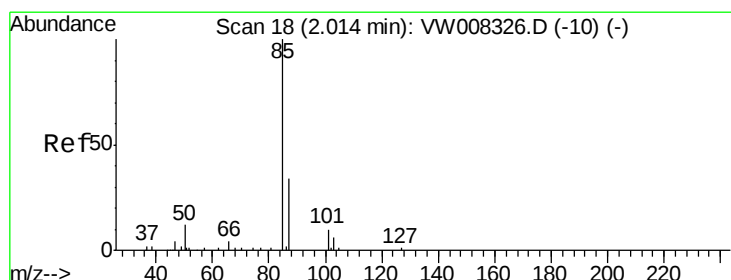
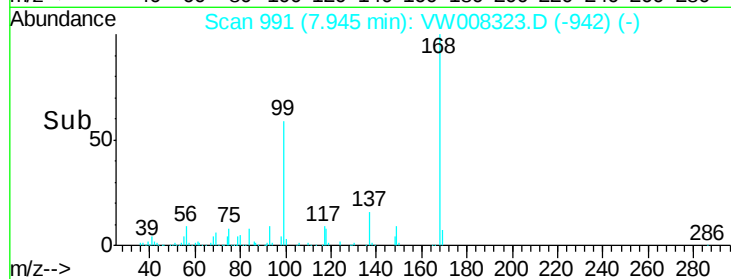
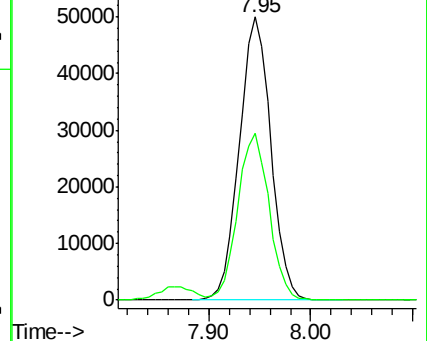
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.277 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008323.D

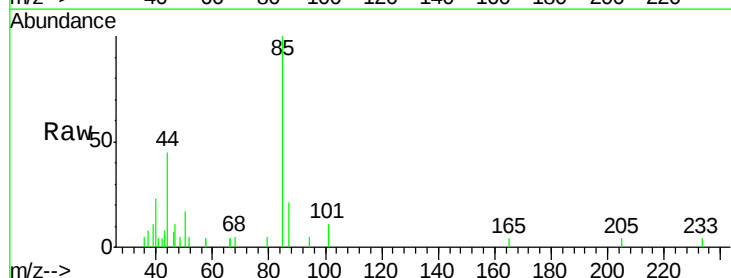
Acq: 17 Jan 2019 12:47

Tgt Ion: 85 Resp: 3560

Ion Ratio Lower Upper

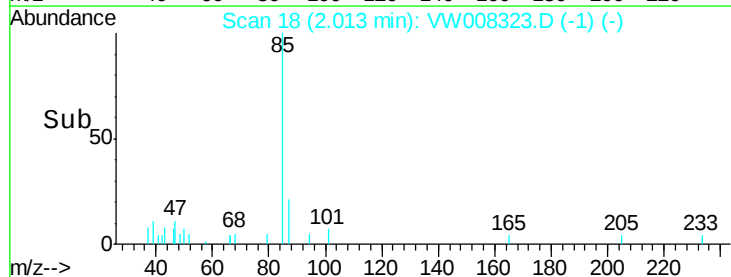
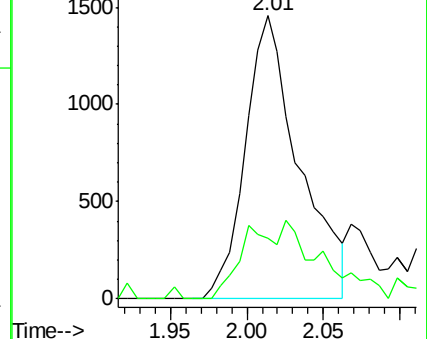
85 100

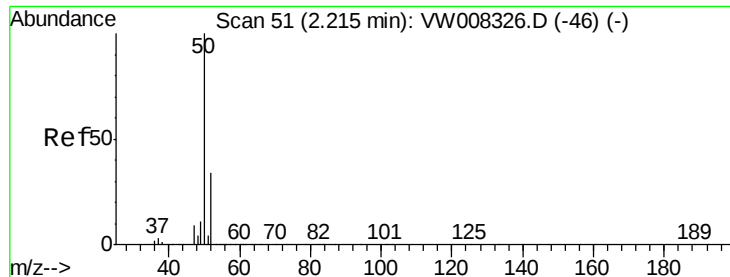
87 21.4 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 6.136 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6068

Ion Ratio Lower Upper

50 100

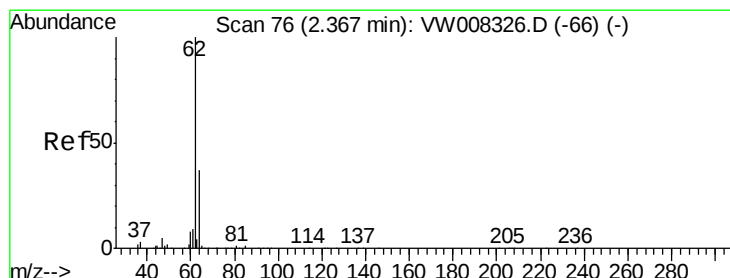
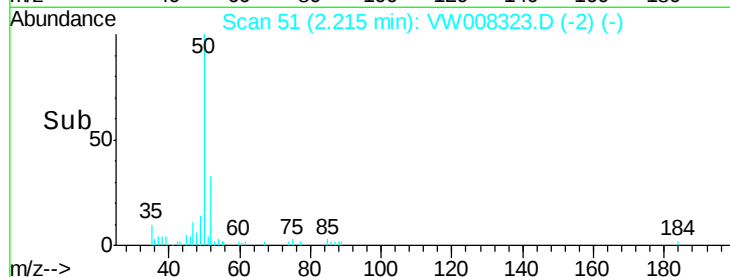
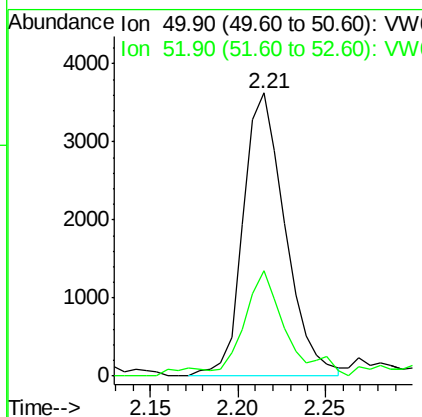
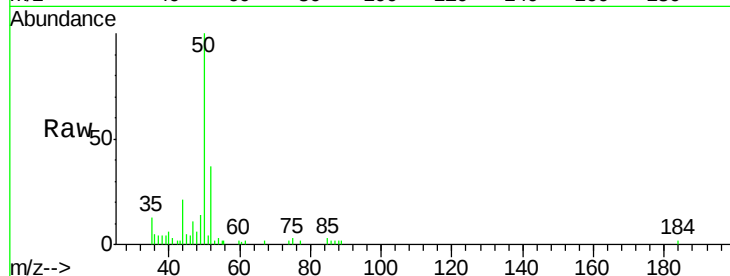
52 35.3 26.7 40.1

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#4

Vinyl Chloride

Concen: 5.710 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008323.D

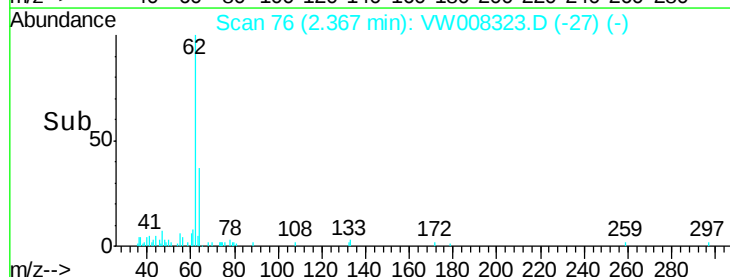
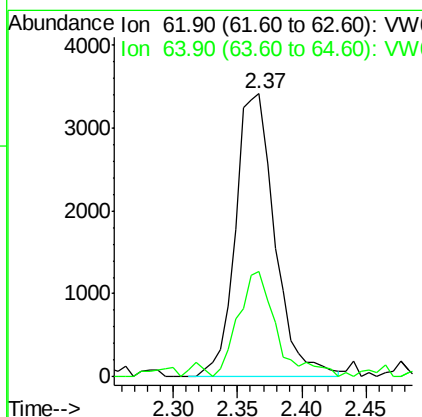
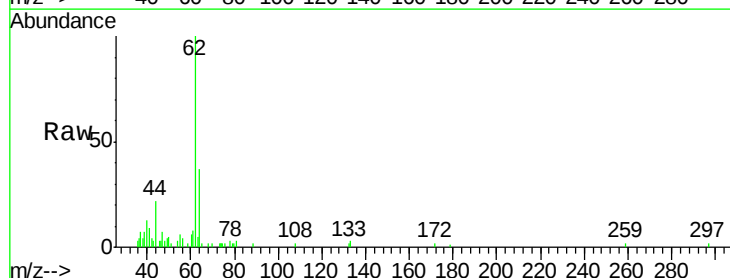
Acq: 17 Jan 2019 12:47

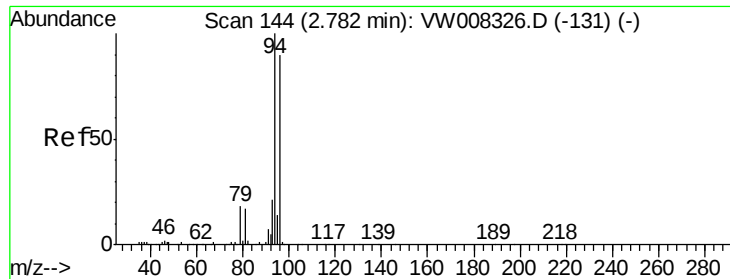
Tgt Ion: 62 Resp: 7215

Ion Ratio Lower Upper

62 100

64 37.1 29.4 44.2





#5

Bromomethane

Concen: 5.329 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5103

Ion Ratio Lower Upper

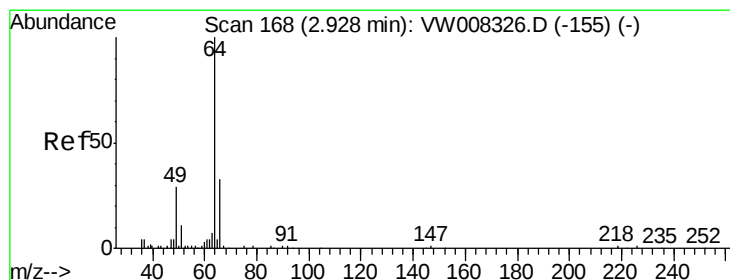
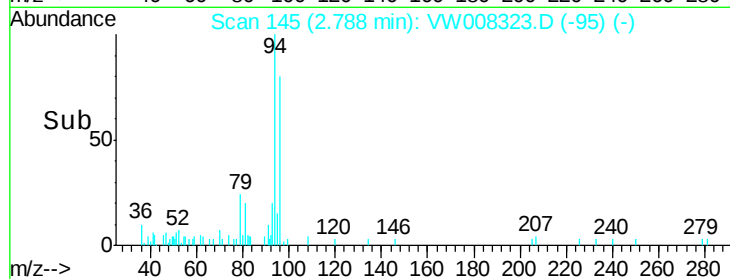
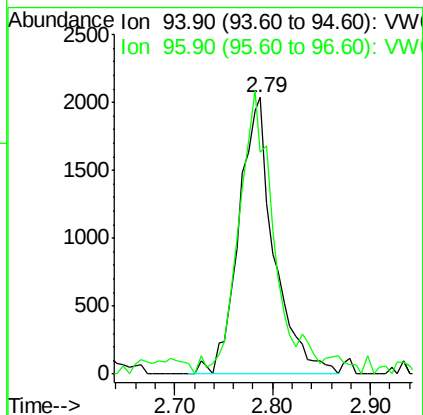
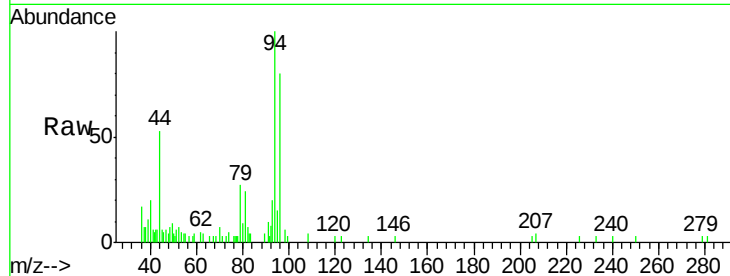
94 100

96 76.2 71.4 107.0

Manual Integrations
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#6

Chloroethane

Concen: 4.770 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW008323.D

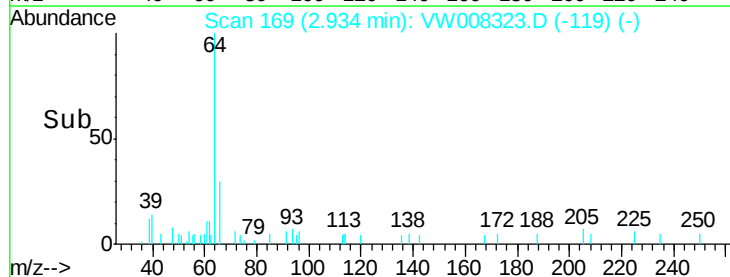
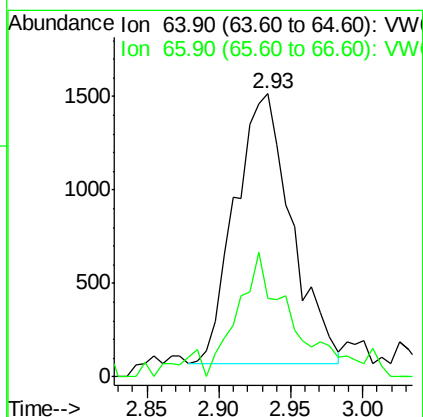
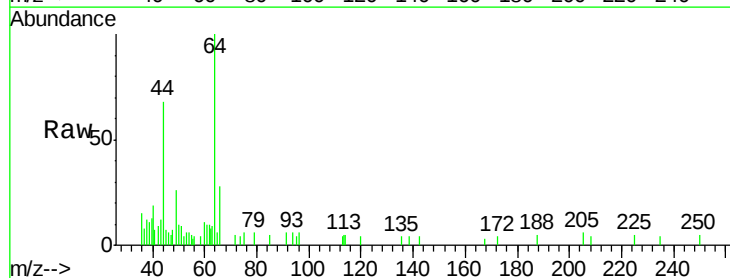
Acq: 17 Jan 2019 12:47

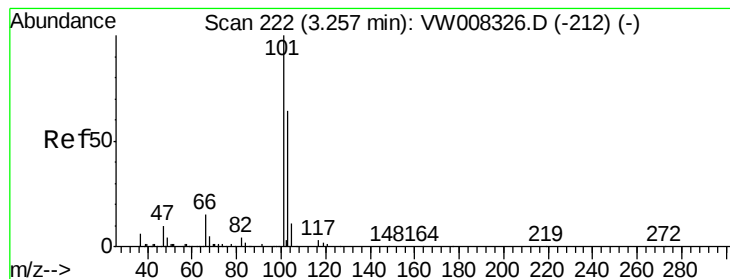
Tgt Ion: 64 Resp: 3945

Ion Ratio Lower Upper

64 100

66 21.9 26.2 39.4#





#7

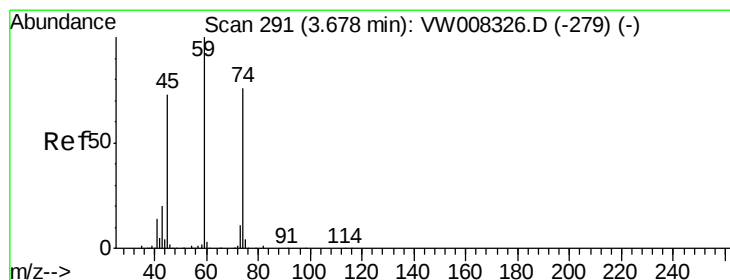
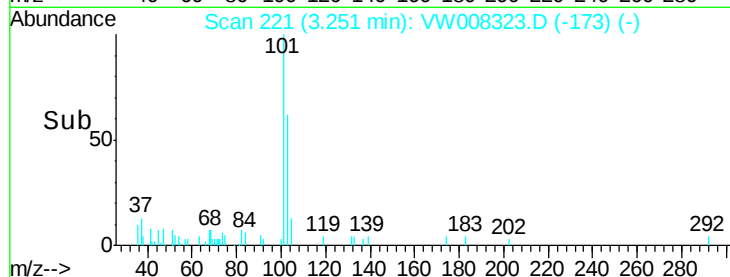
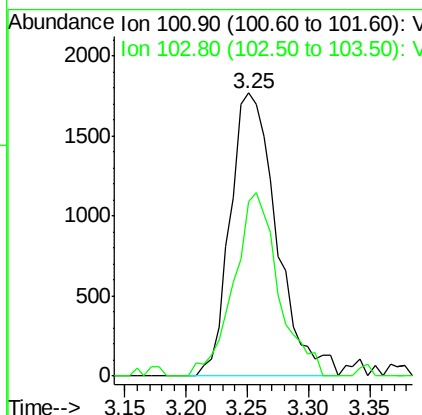
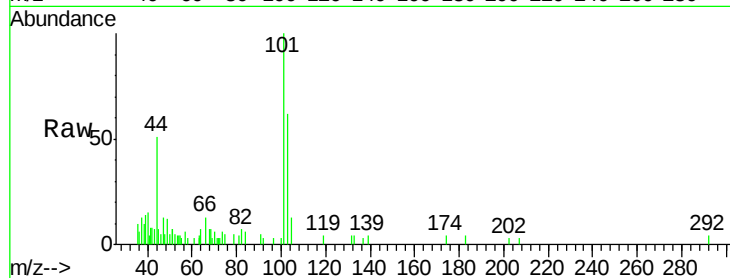
Trichlorofluoromethane
 Concen: 5.034 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.9	76.3

Manual Integrations
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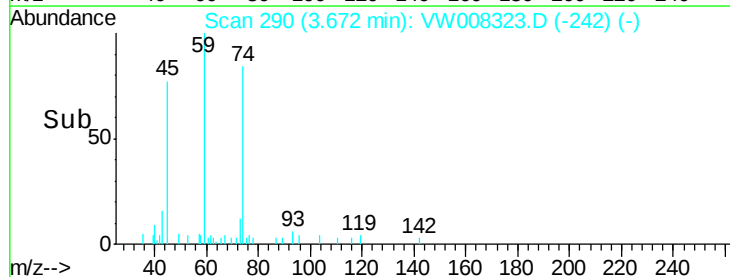
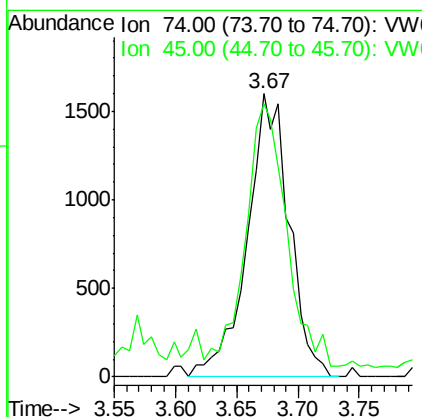
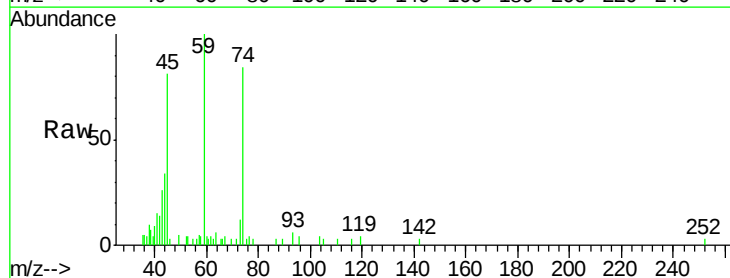
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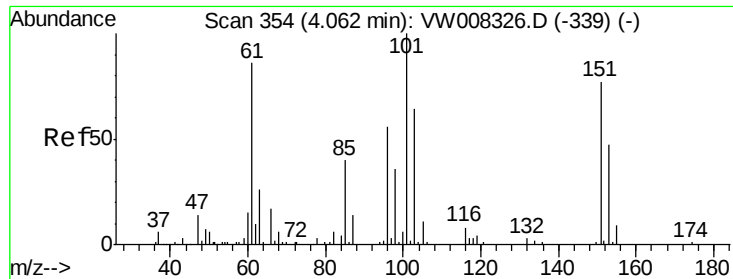


#8

Diethyl Ether
 Concen: 5.920 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.292 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

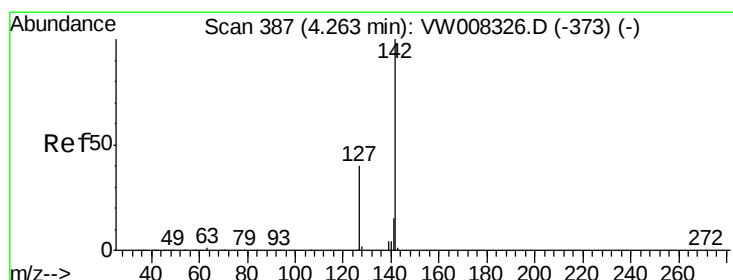
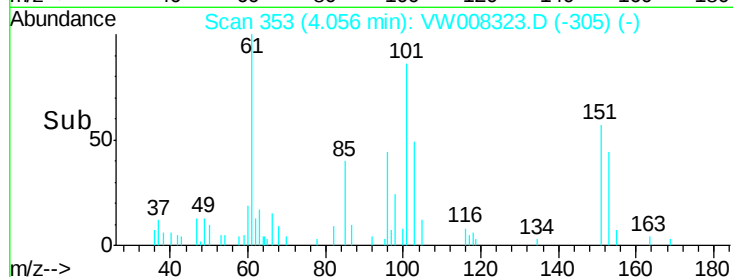
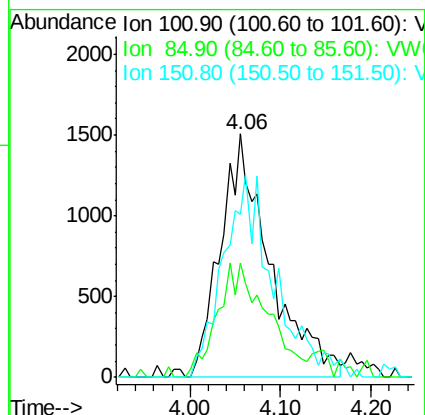
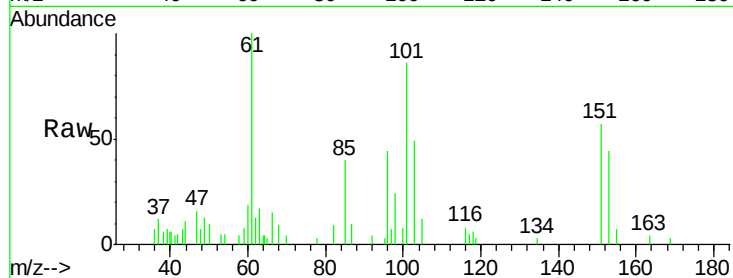
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5716
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.0	54.0
151	81.8	62.3	93.5

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#10

Methyl Iodide

Concen: 5.221 ug/l

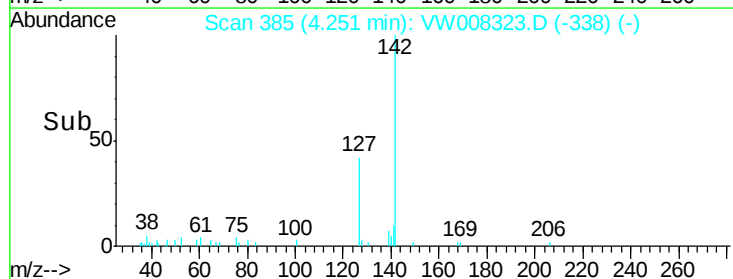
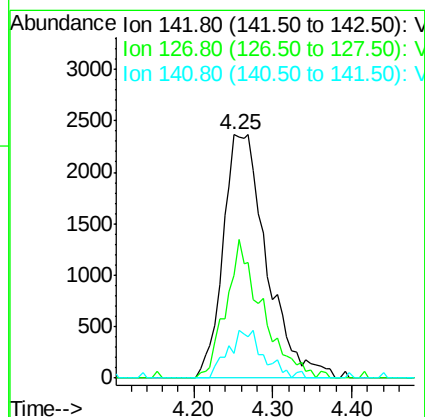
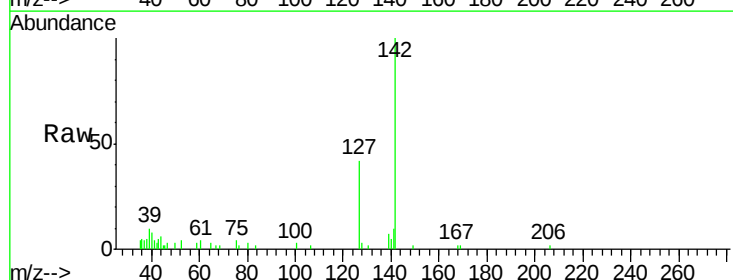
RT: 4.25 min Scan# 385

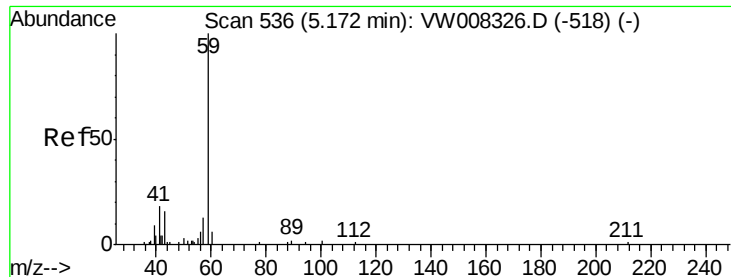
Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	142	Resp:	9095
Ion Ratio	Lower	Upper	
142	100		
127	47.2	34.3	51.5
141	0.0	12.2	18.2#





#11

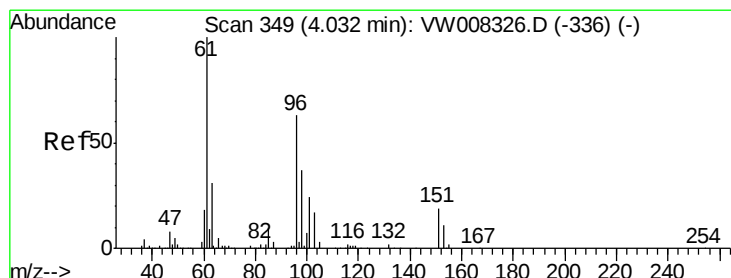
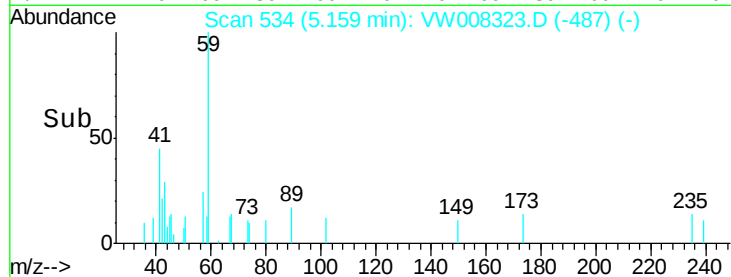
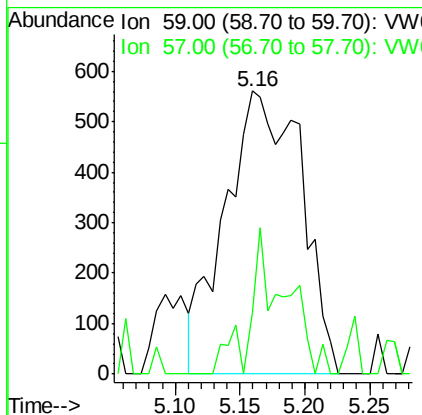
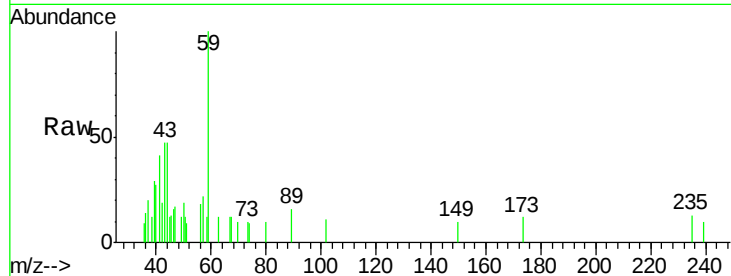
Tert butyl alcohol
 Concen: 29.757 ug/l m
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.9	9.4	14.2#

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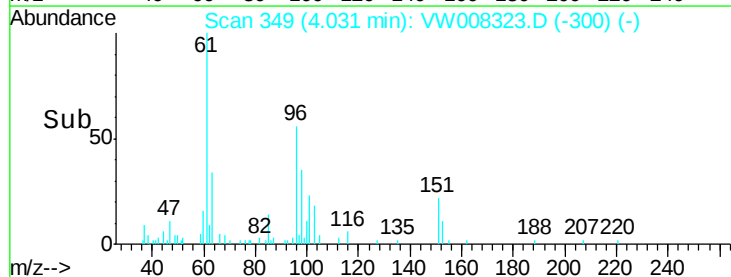
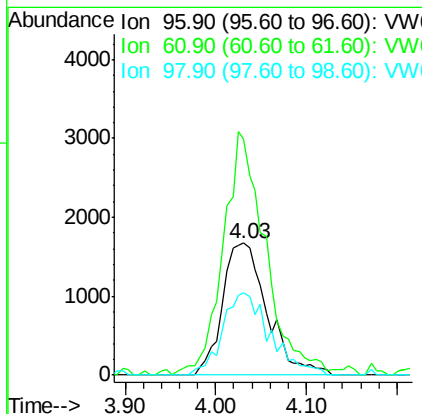
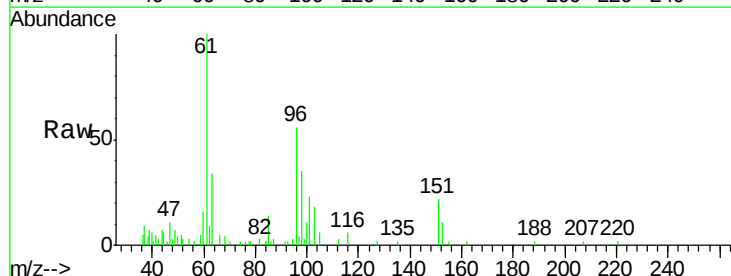
MMDadoda
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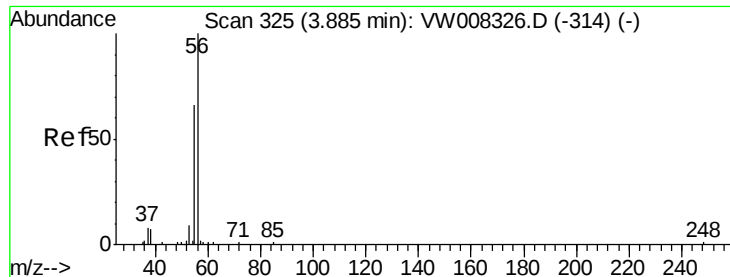


#12

1,1-Dichloroethene
 Concen: 5.216 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	126.4	189.6
98	62.5	46.7	70.1





#13

Acrolein

Concen: 22.258 ug/l m

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1472

Ion Ratio Lower Upper

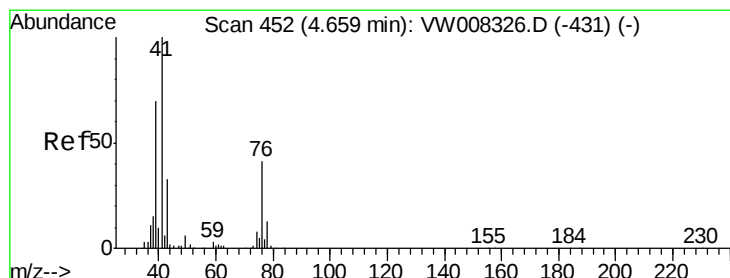
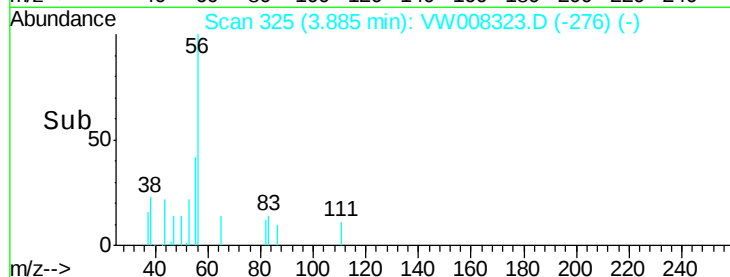
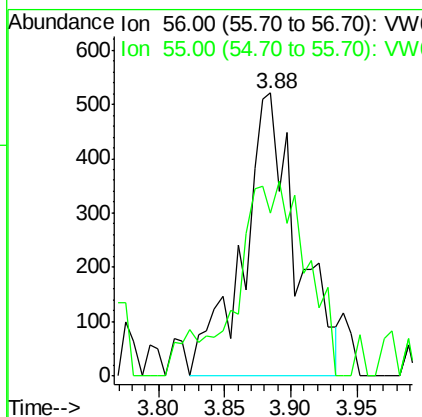
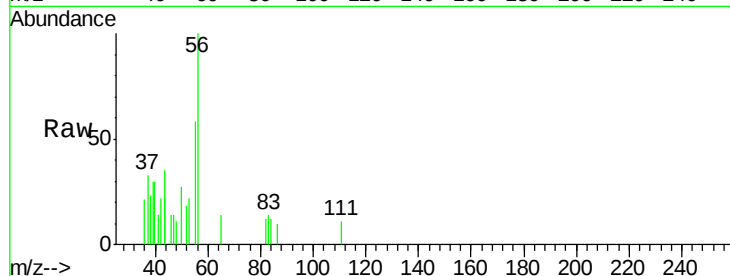
56 100

55 26.6 52.9 79.3#

Manual Integrations
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#14

Allyl chloride

Concen: 5.000 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

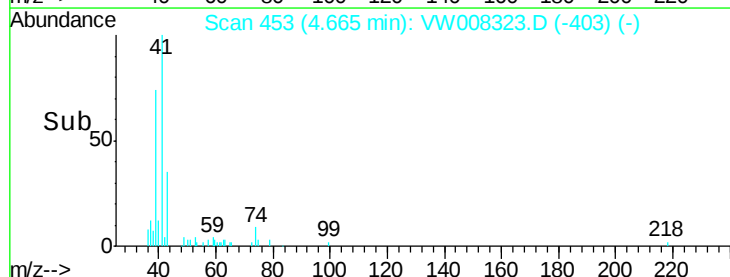
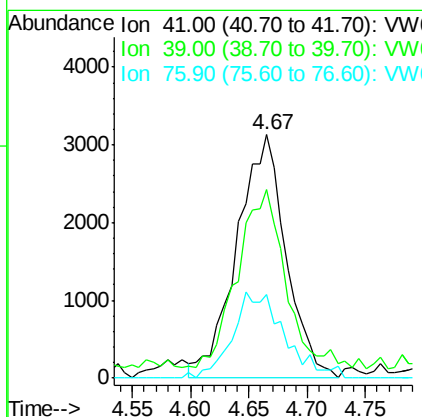
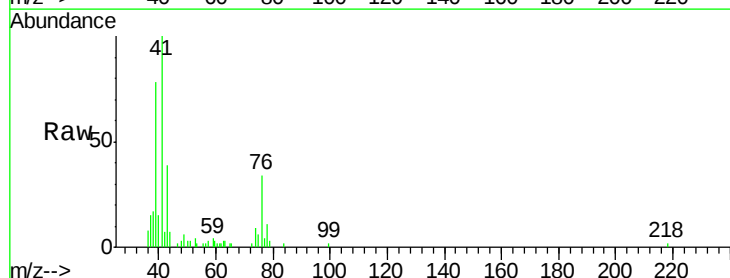
Tgt Ion: 41 Resp: 9183

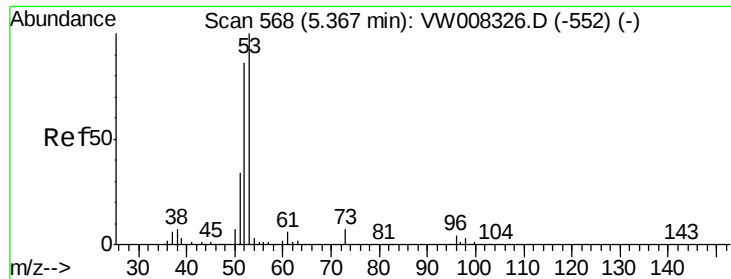
Ion Ratio Lower Upper

41 100

39 71.6 54.1 81.1

76 37.3 29.5 44.3





#15

Acrylonitrile

Concen: 25.090 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

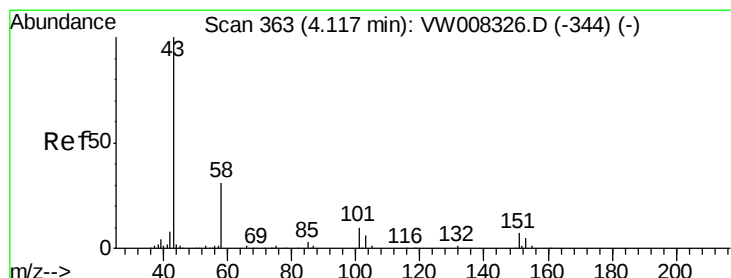
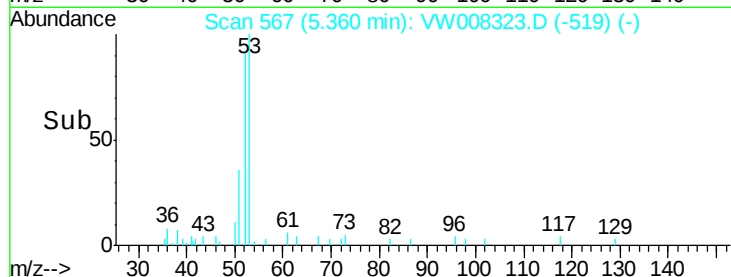
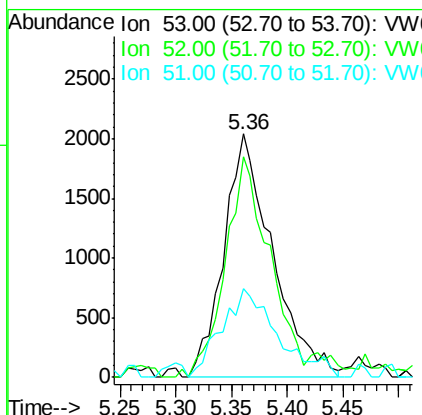
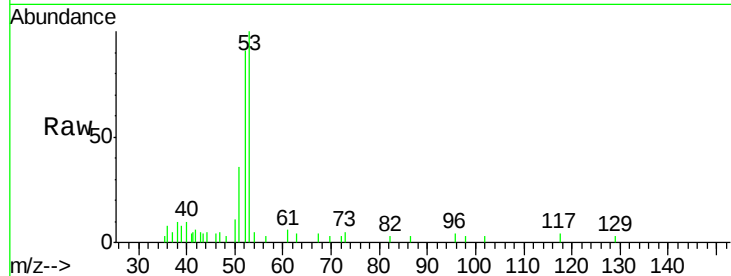
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	6201
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	40.4	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 29.142 ug/l

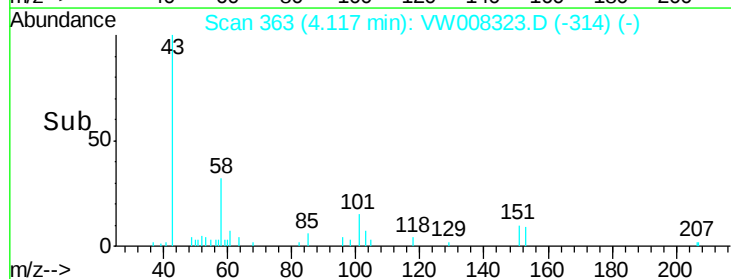
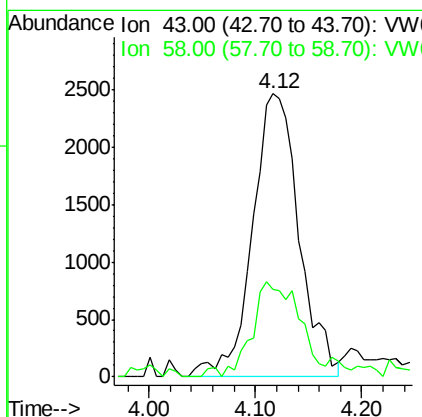
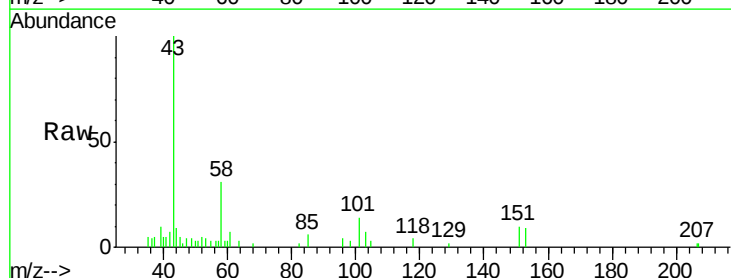
RT: 4.12 min Scan# 363

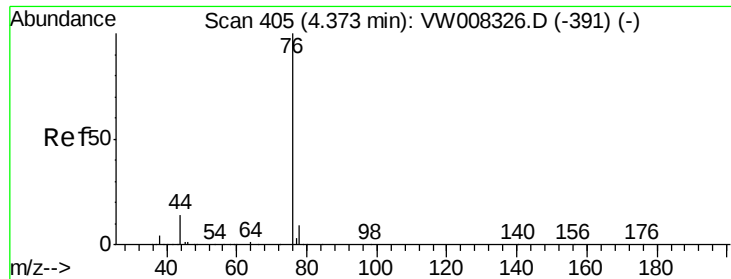
Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	43	Resp:	7538
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.7	37.1





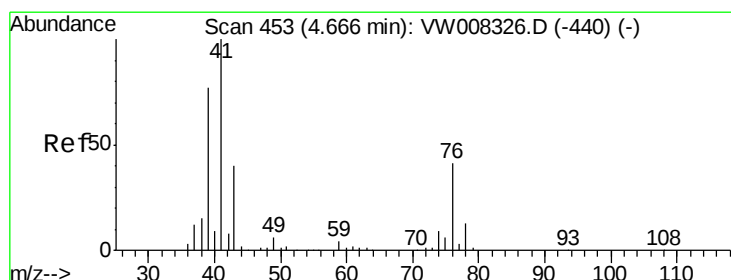
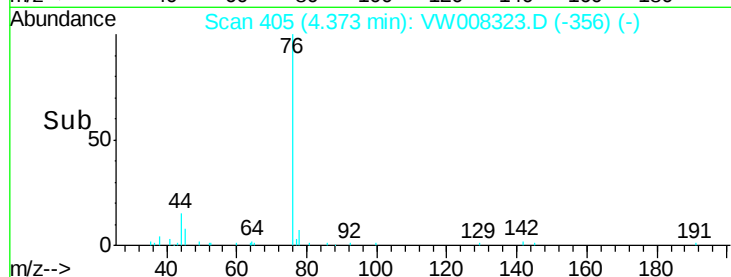
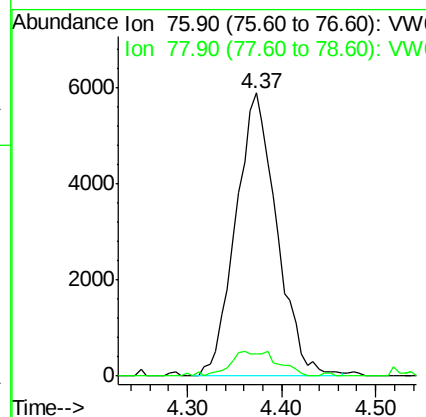
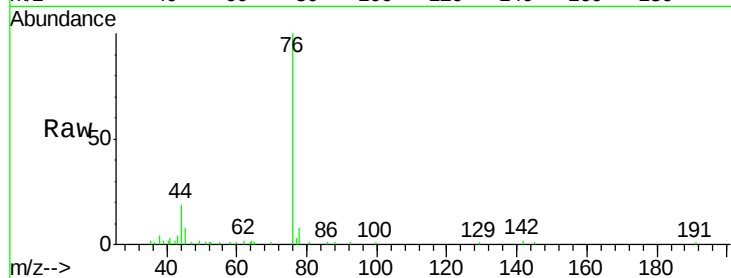
#17
Carbon Disulfide
Concen: 5.342 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	17858
Ion Ratio	100	Lower	Upper
76	100		
78	7.9	7.0	10.4

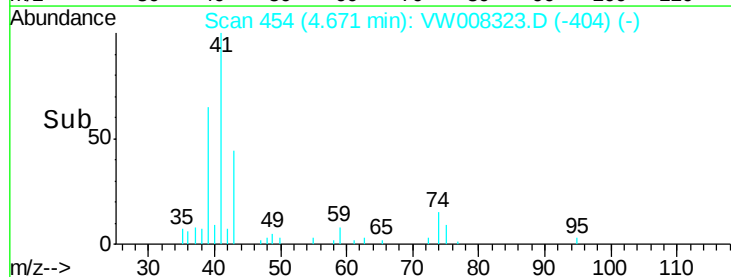
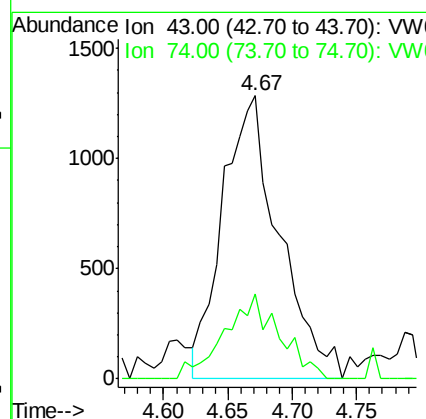
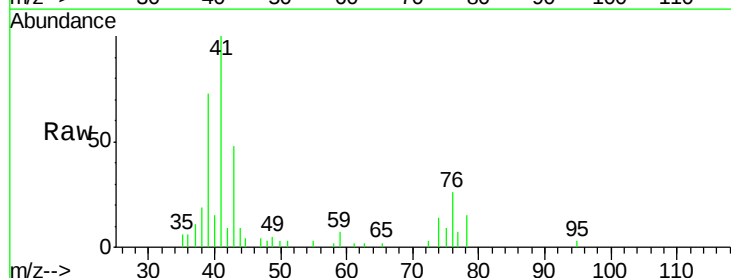
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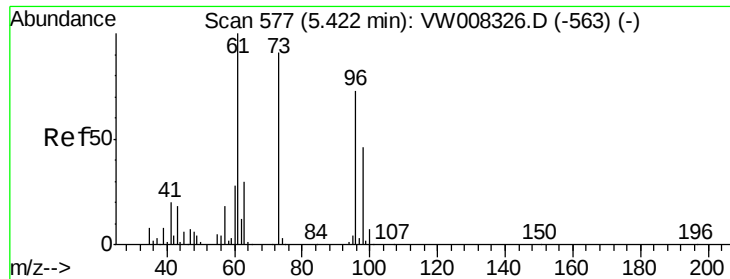
MMDadoda
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#18
Methyl Acetate
Concen: 5.712 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	43	Resp	3947
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
74	28.8	19.4	29.0





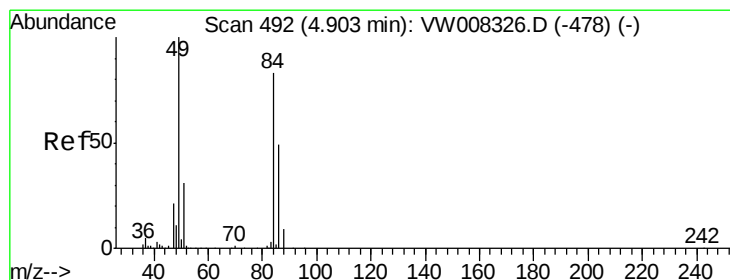
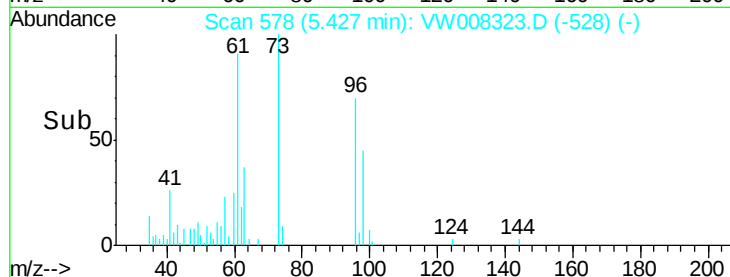
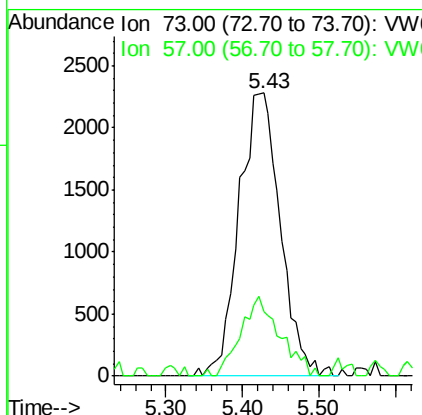
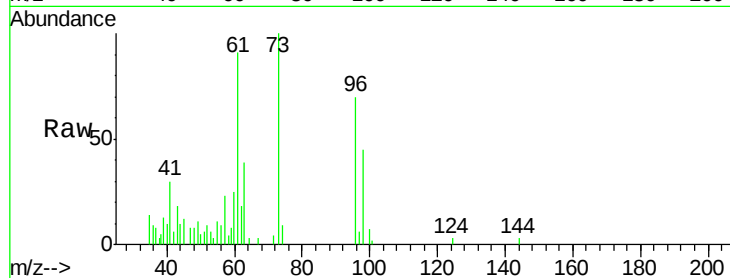
#19
Methvl tert-butvl Ether
Concen: 5.084 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	16.3	24.5

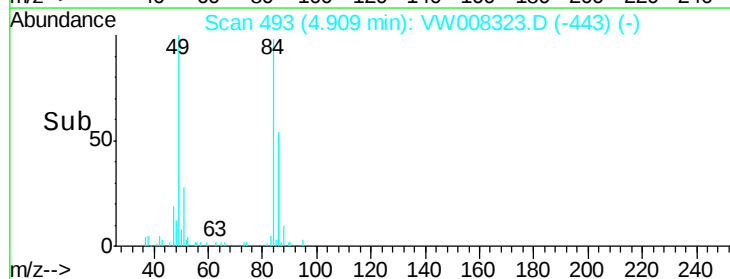
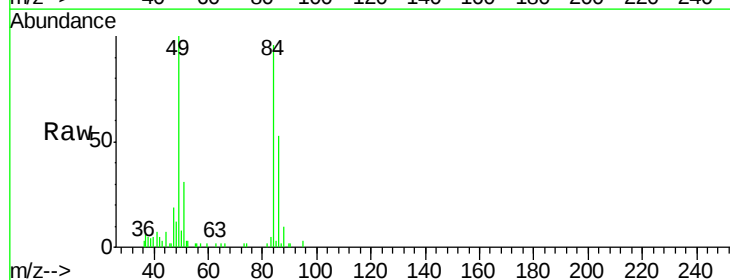
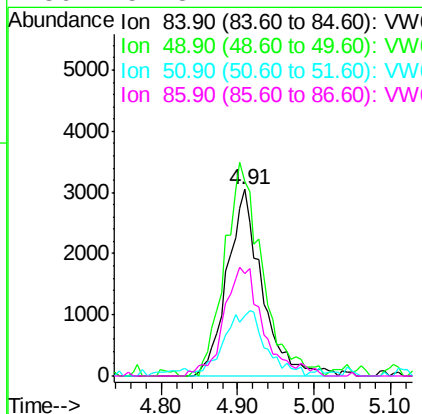
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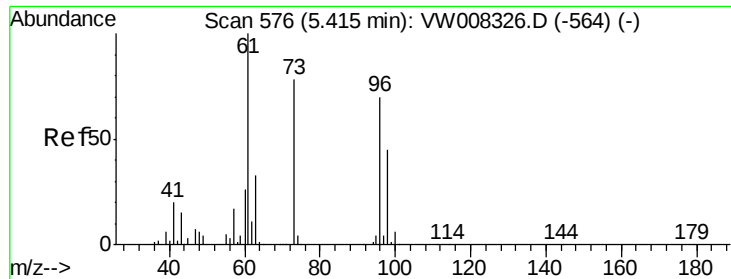
MMDadoda
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#20
Methylene Chloride
Concen: 6.987 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.0	95.9	143.9
51	30.3	29.3	43.9
86	54.8	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 5.350 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

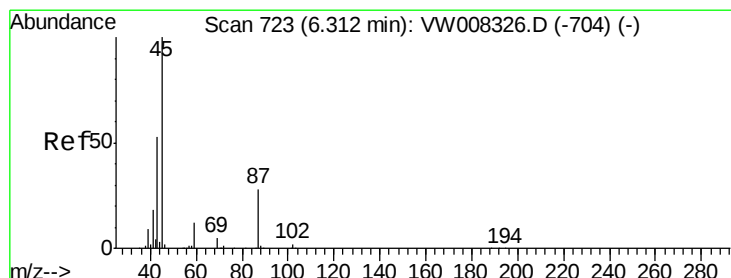
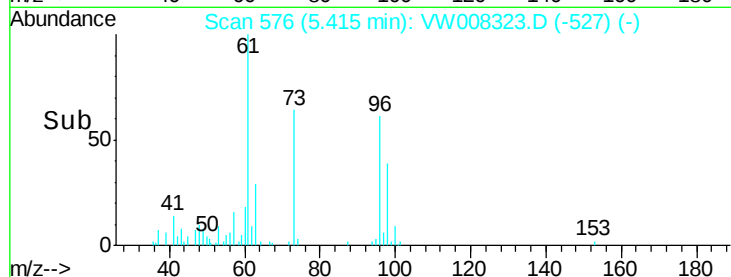
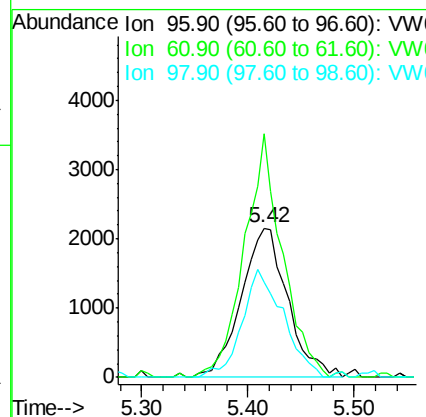
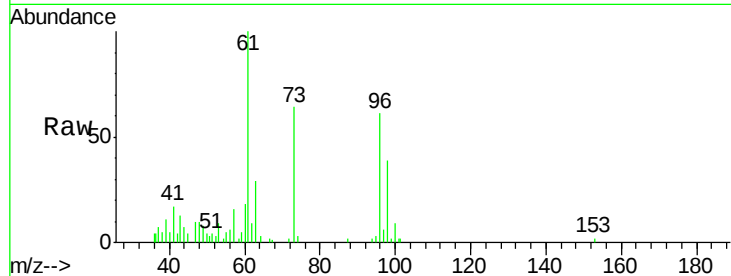
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	6601
Ion	Ratio	Lower	Upper
96	100		
61	163.5	114.5	171.7
98	64.1	52.0	78.0

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#22

Diisopropyl ether

Concen: 4.911 ug/l

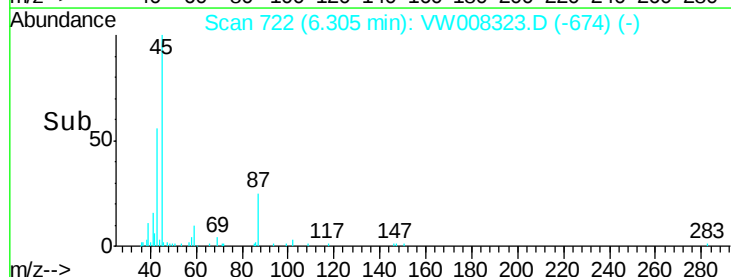
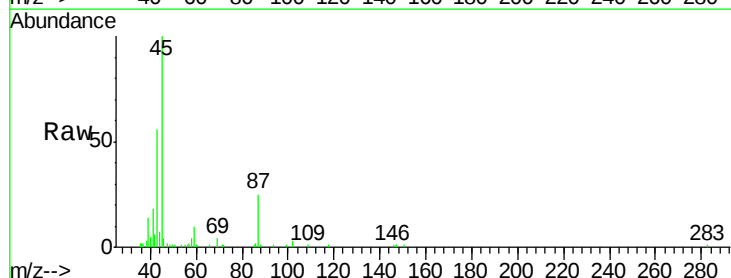
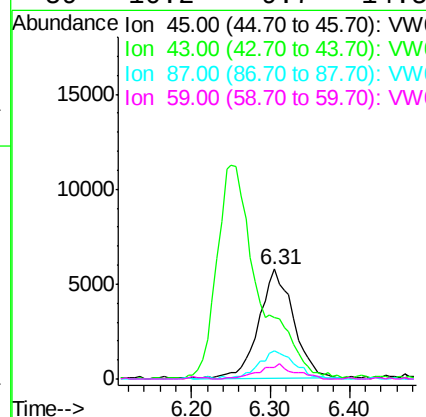
RT: 6.31 min Scan# 722

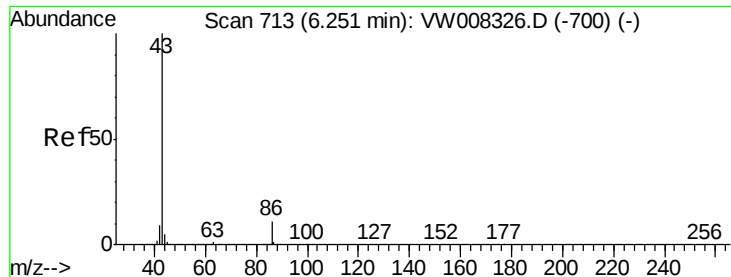
Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	45	Resp:	17608
Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.5	63.7
87	25.6	22.2	33.2
59	10.2	9.7	14.5





#23

Vinyl Acetate

Concen: 21.867 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 41914

Ion Ratio Lower Upper

43 100

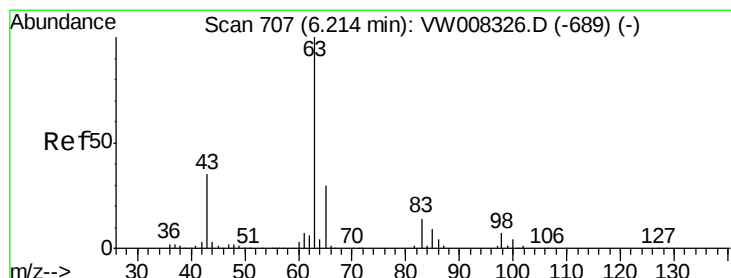
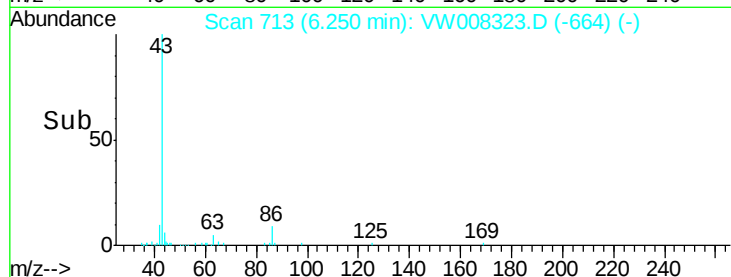
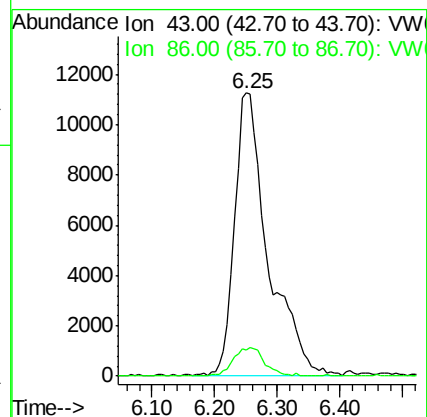
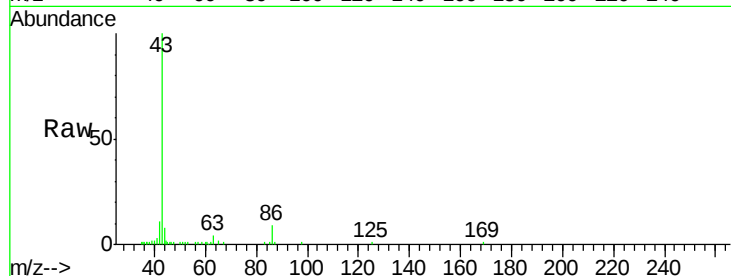
86 9.4 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.308 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

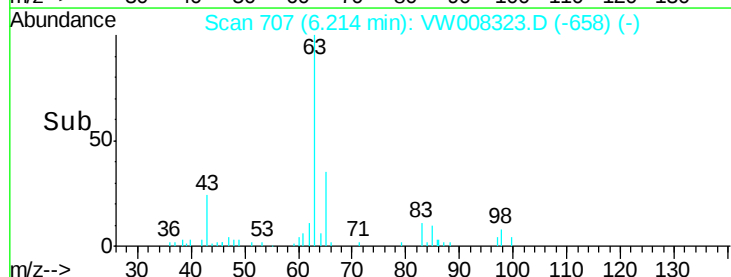
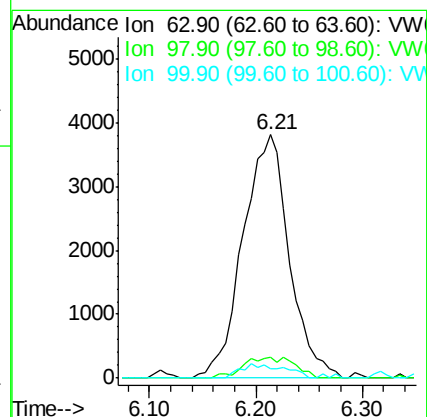
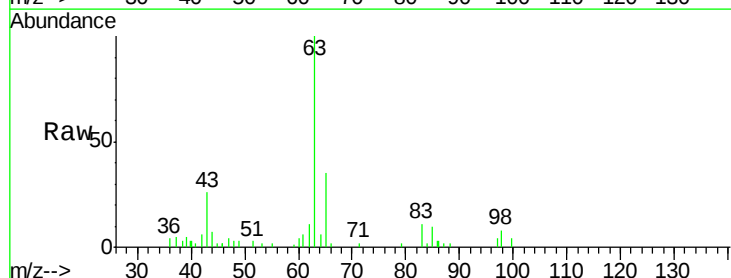
Tgt Ion: 63 Resp: 11590

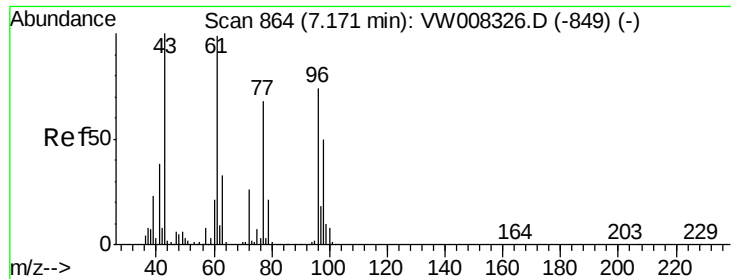
Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.6

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 25.038 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 8295

Ion Ratio Lower Upper

43 100

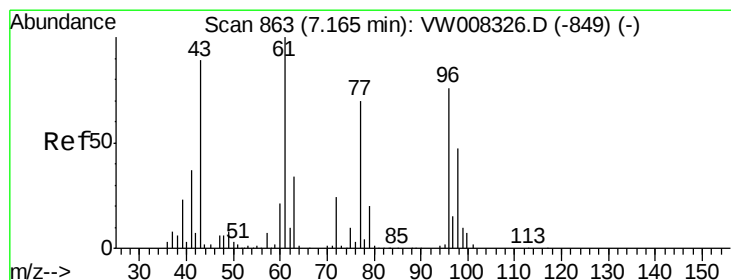
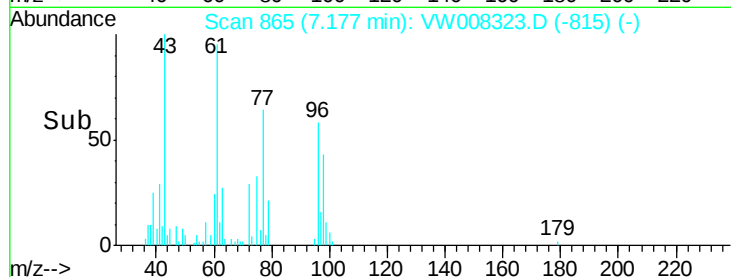
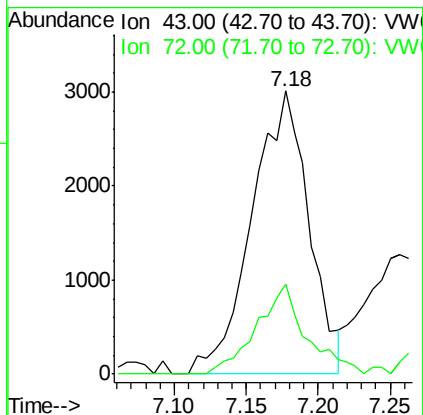
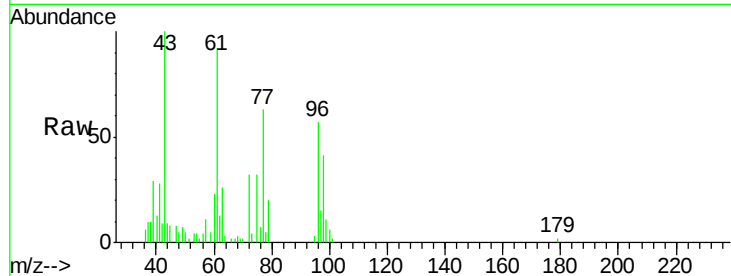
72 31.8 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 5.693 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008323.D

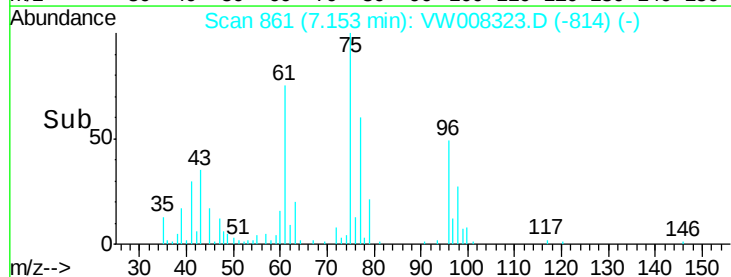
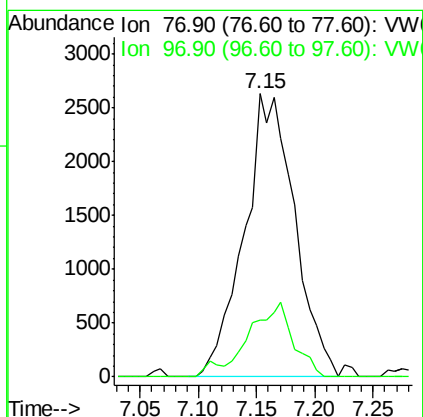
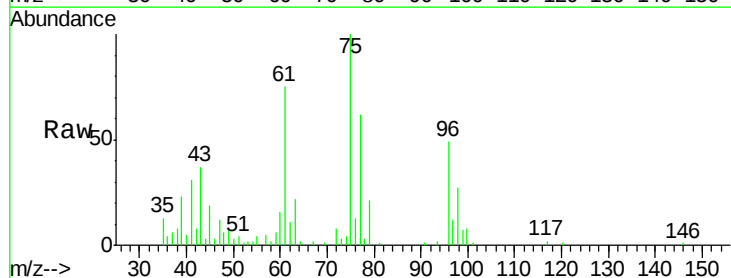
Acq: 17 Jan 2019 12:47

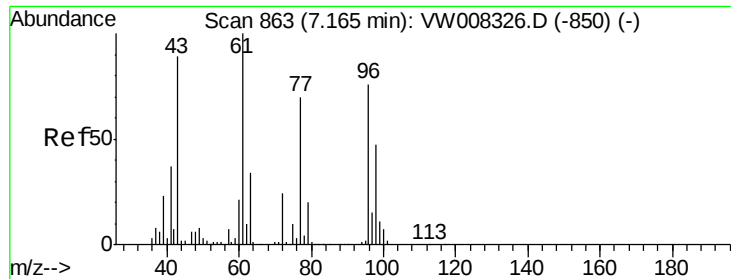
Tgt Ion: 77 Resp: 7932

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.1





#27

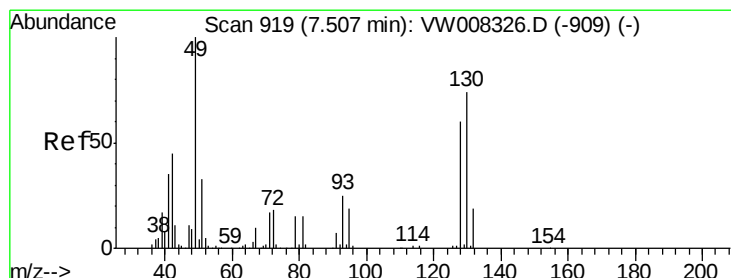
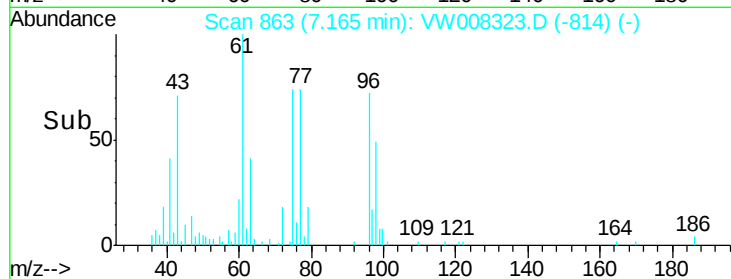
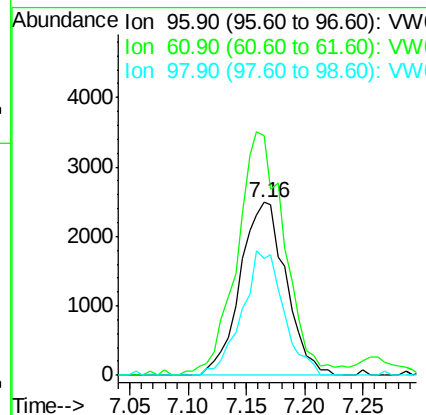
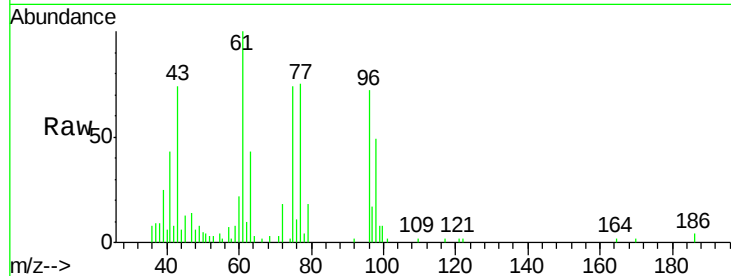
cis-1,2-Dichloroethene
 Concen: 5.108 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	272.2
98	65.1	0.0	129.4

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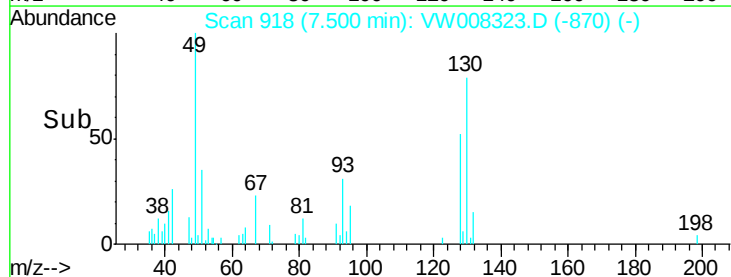
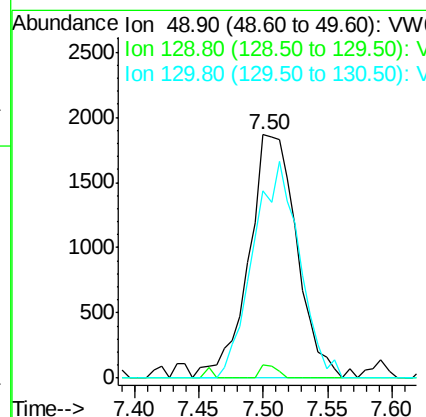
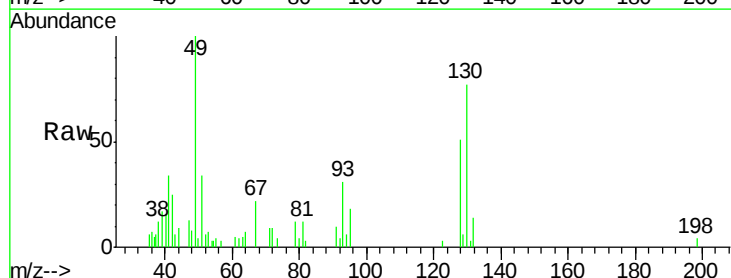
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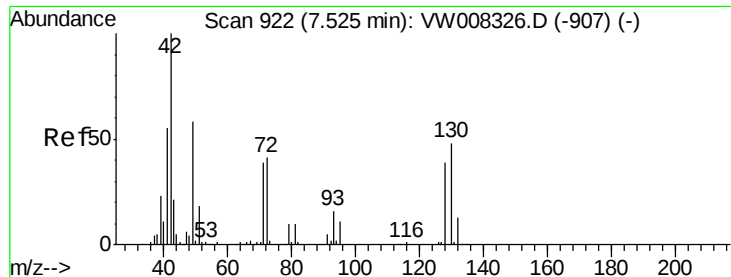


#28

Bromochloromethane
 Concen: 5.342 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.6
130	85.8	0.0	0.0#





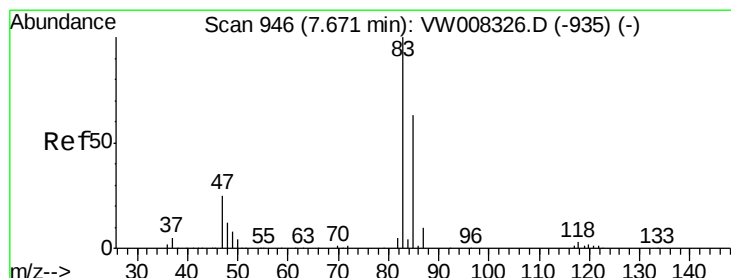
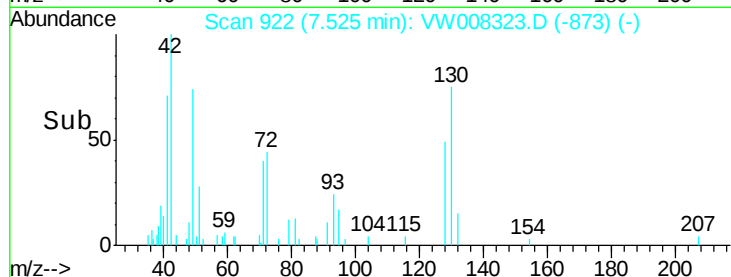
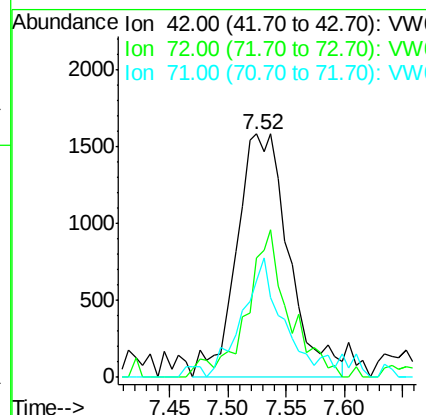
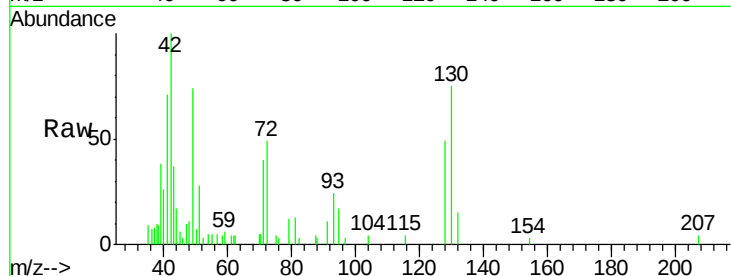
#29
Tetrahydrofuran
Concen: 23.943 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	34.0	51.0
71	36.8	32.0	48.0

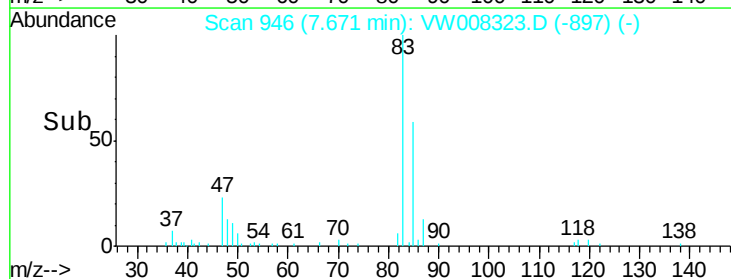
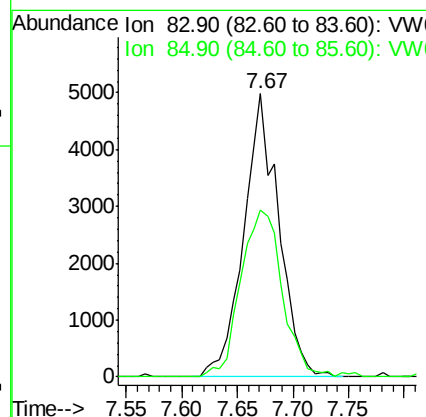
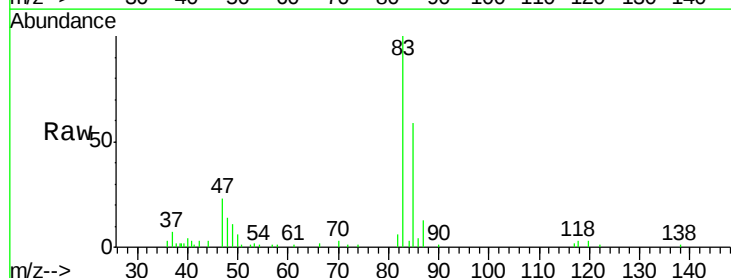
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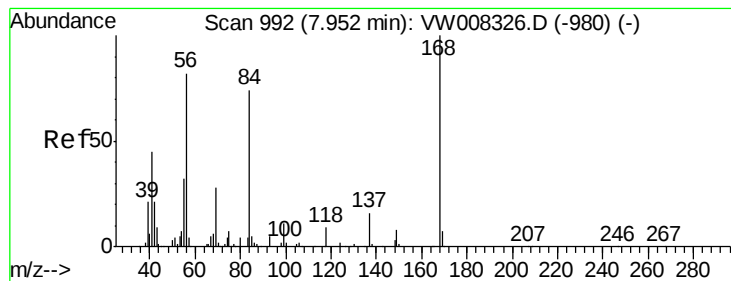
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#30
Chloroform
Concen: 5.052 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	50.2	75.2





#31

Cyclohexane

Concen: 6.004 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

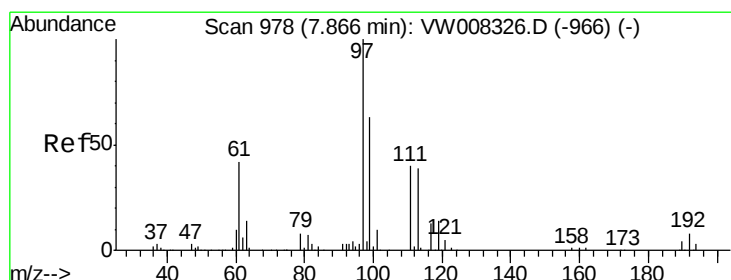
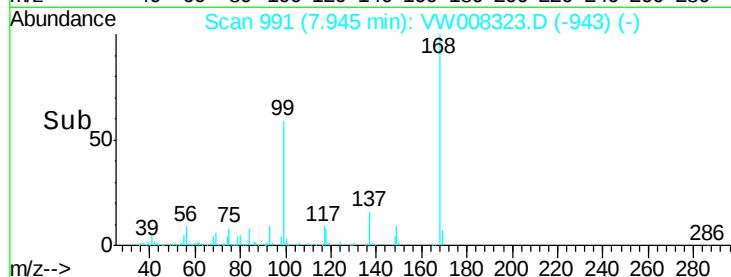
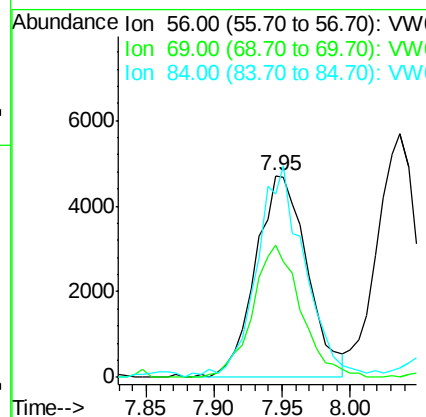
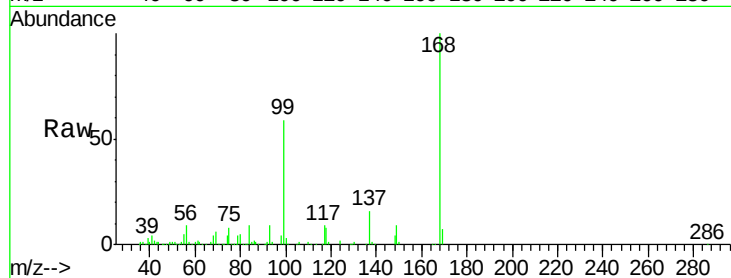
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	12489
Ion Ratio	Lower	Upper	
56	100		
69	65.7	27.0	40.6#
84	88.7	72.5	108.7

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#32

1,1,1-Trichloroethane

Concen: 5.376 ug/l

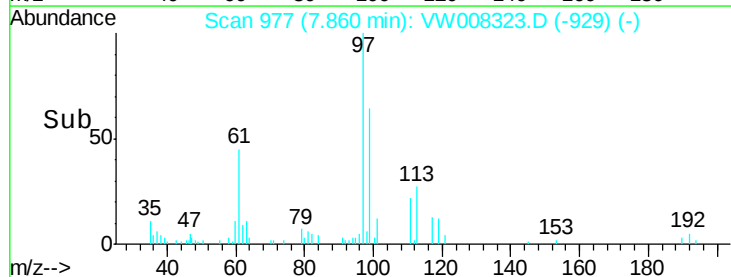
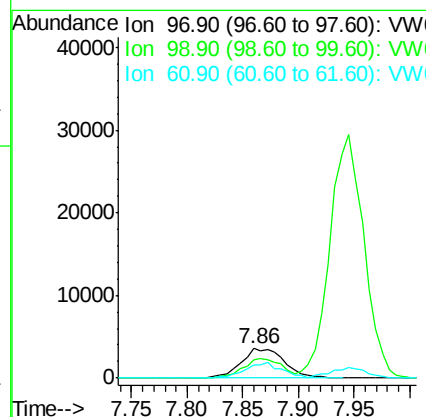
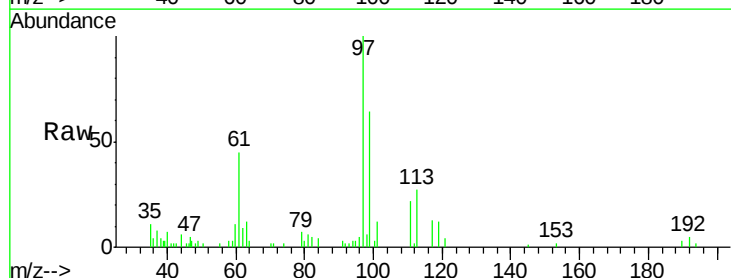
RT: 7.86 min Scan# 977

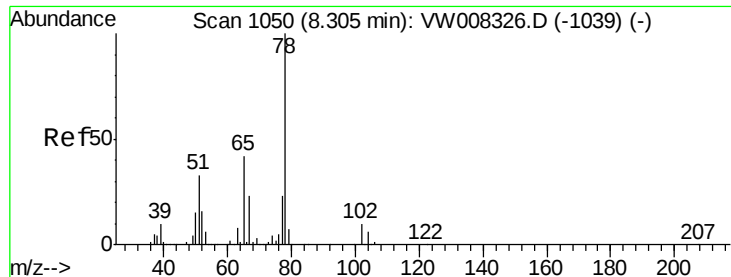
Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	97	Resp:	9747
Ion Ratio	Lower	Upper	
97	100		
99	60.2	51.1	76.7
61	45.3	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 5.477 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 6100

Ion Ratio Lower Upper

65 100

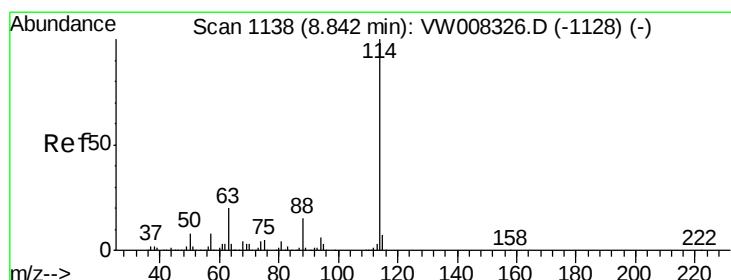
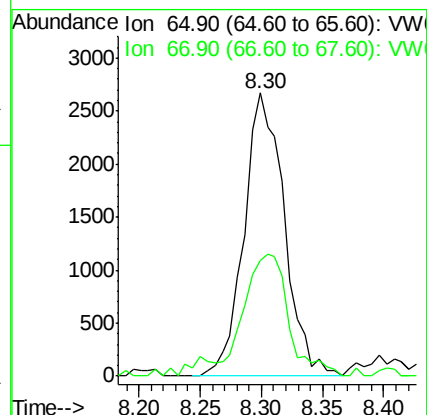
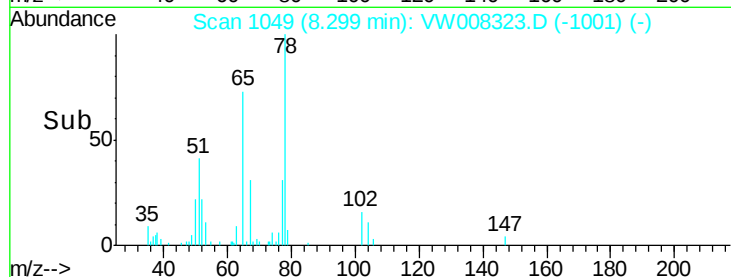
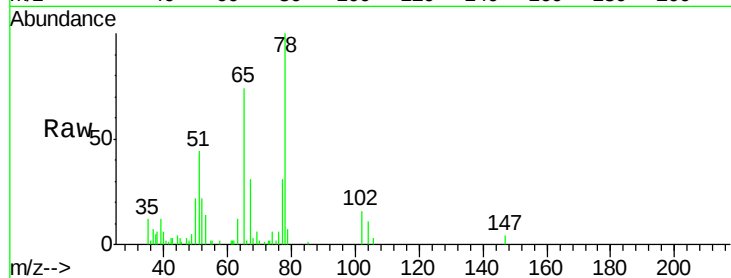
67 47.7 0.0 106.2

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1/18/2019 2:09:19 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

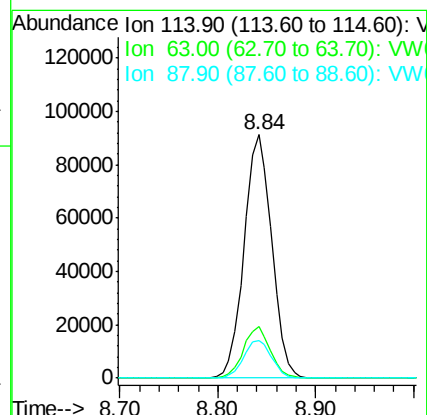
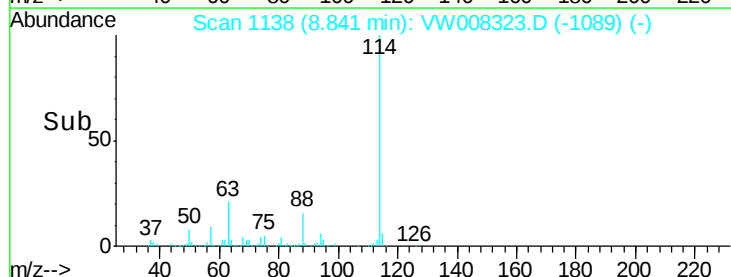
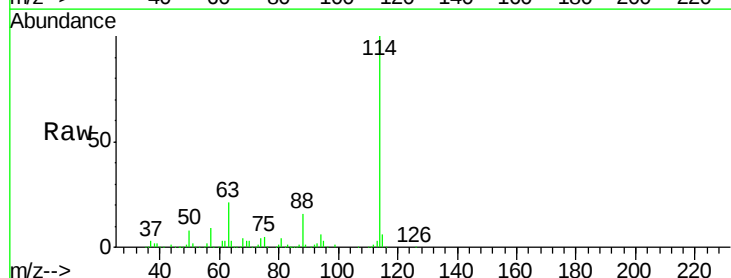
Tgt Ion: 114 Resp: 178705

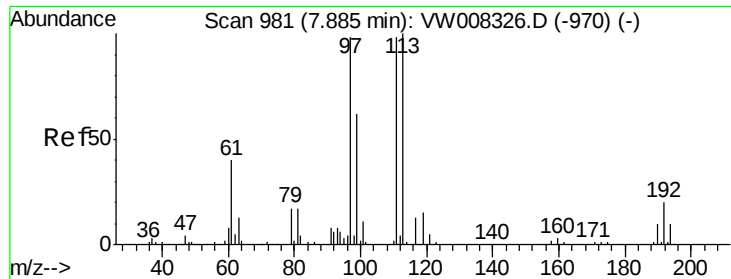
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 5.038 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

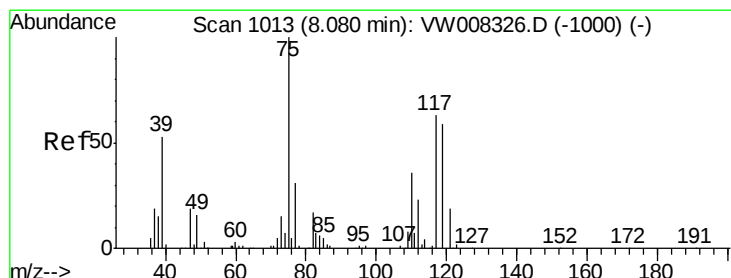
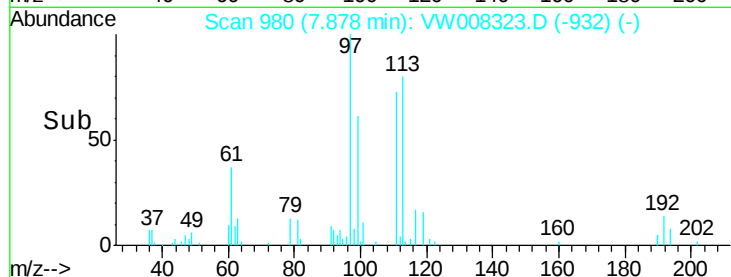
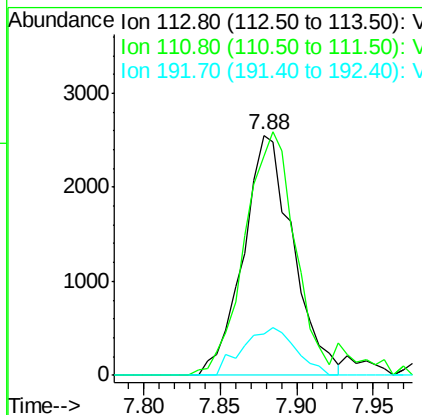
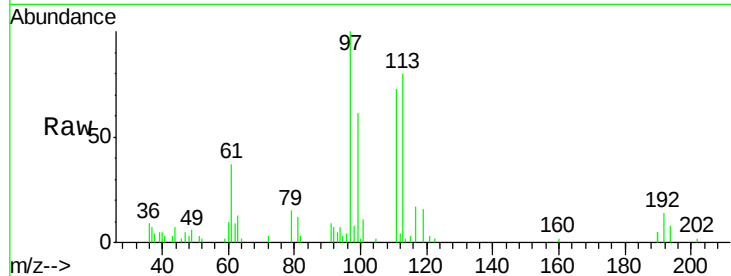
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	5747
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	21.4	16.3	24.5

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#36

1,1-Dichloropropene

Concen: 5.086 ug/l

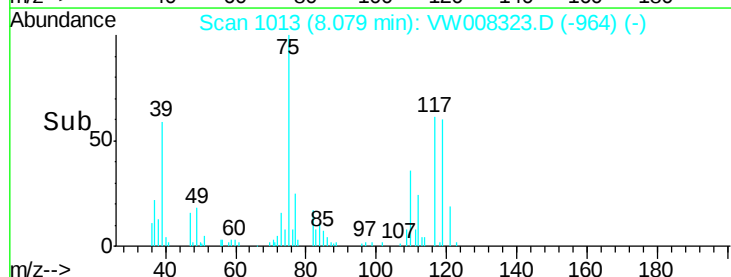
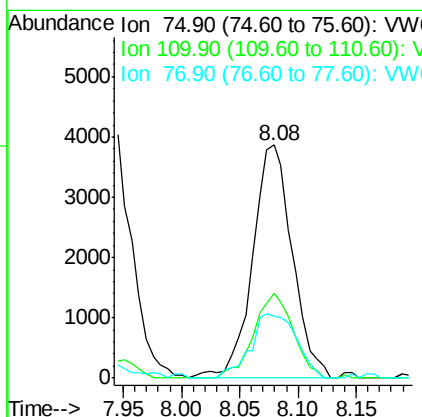
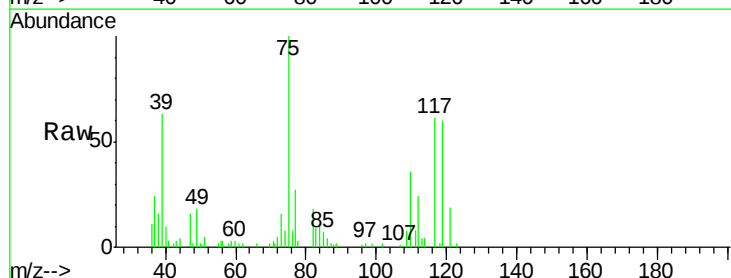
RT: 8.08 min Scan# 1013

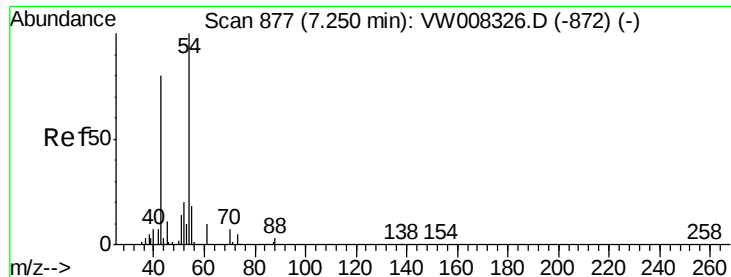
Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	75	Resp:	9145
Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.5	52.6
77	31.7	25.0	37.6





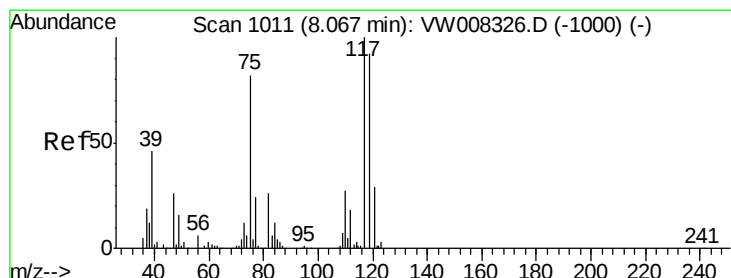
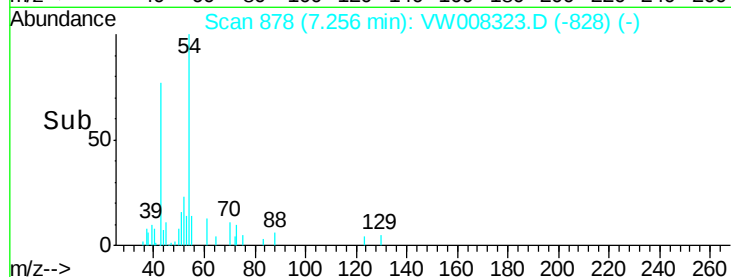
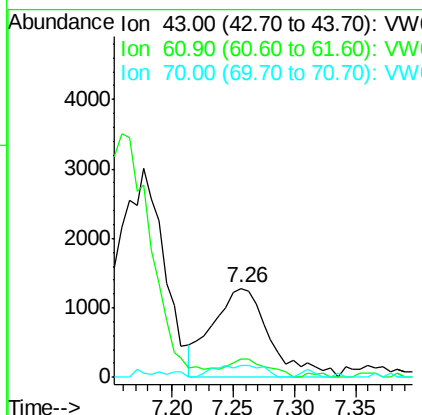
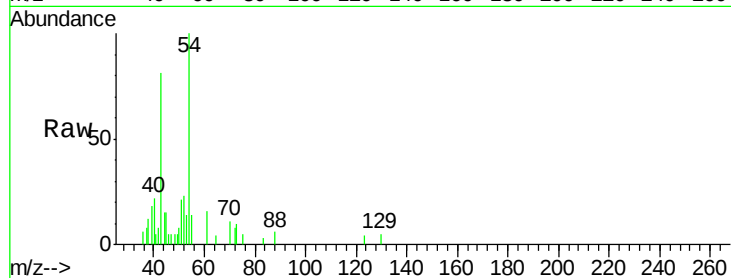
#37
Ethyl Acetate
Concen: 5.622 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	5.7	8.8	13.2

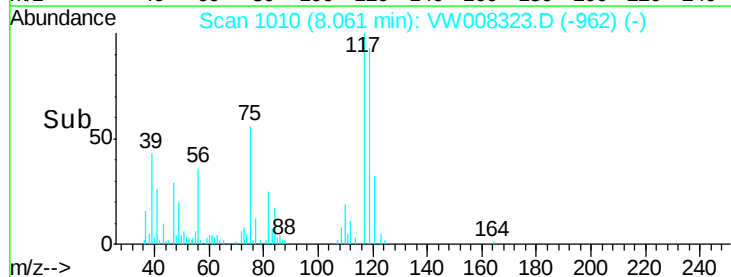
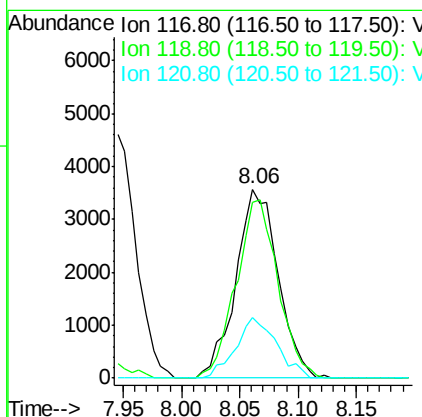
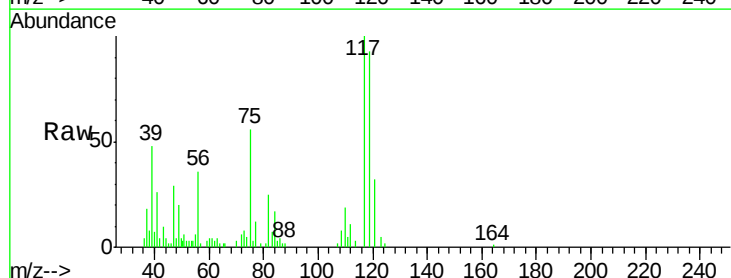
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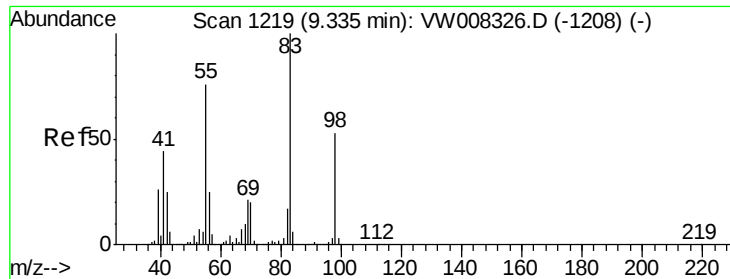
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#38
Carbon Tetrachloride
Concen: 5.076 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.8	110.6
121	32.1	23.4	35.0





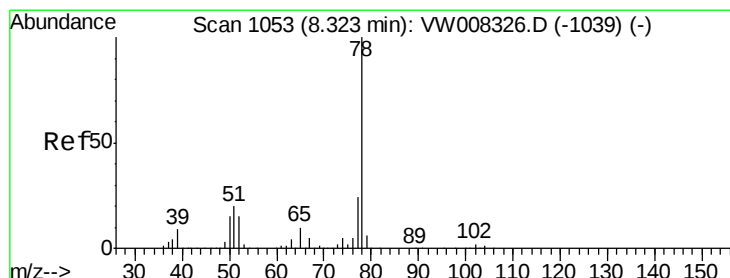
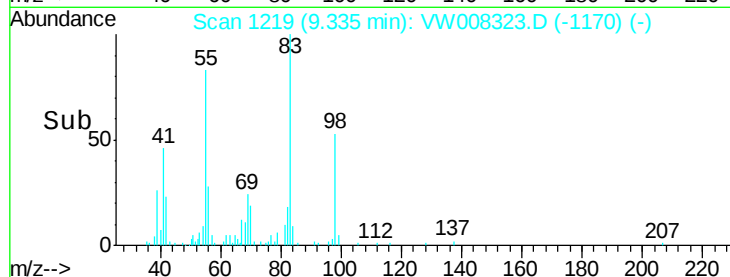
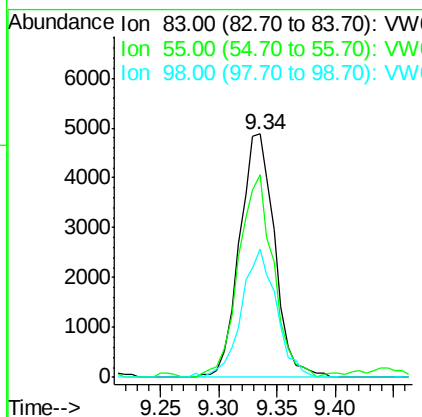
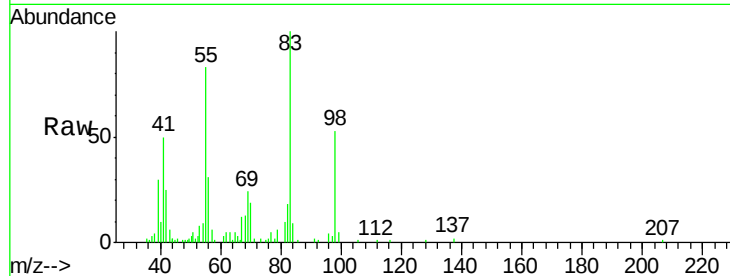
#39
Methvlcvclohexane
Concen: 4.782 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	61.1	91.7
98	52.5	42.5	63.7

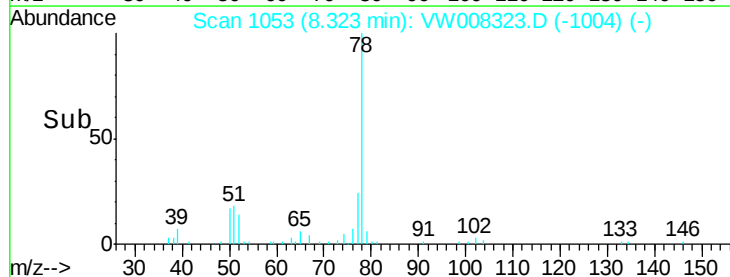
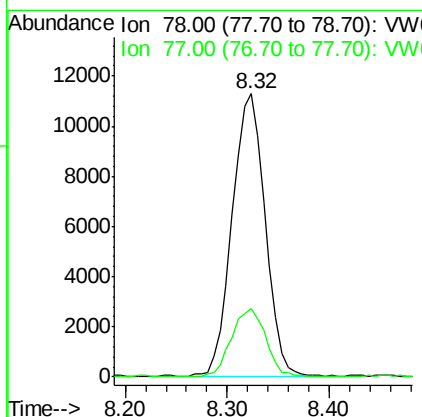
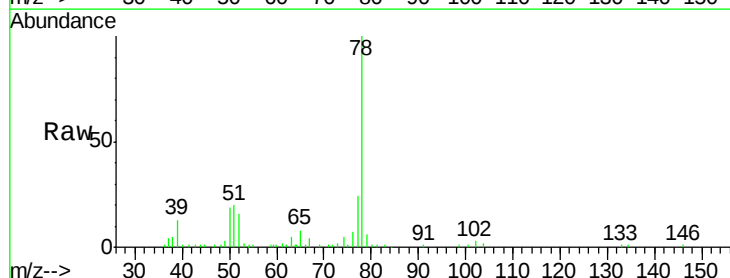
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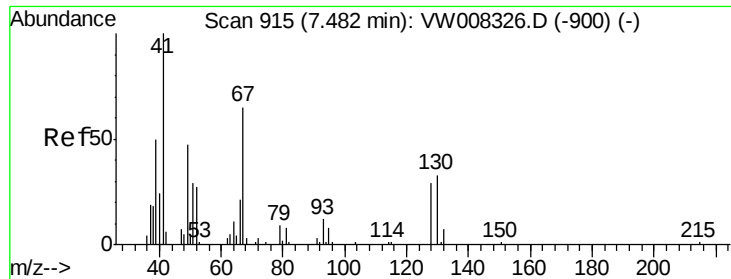
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#40
Benzene
Concen: 4.997 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





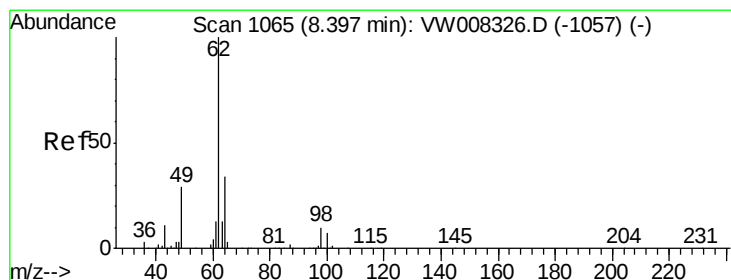
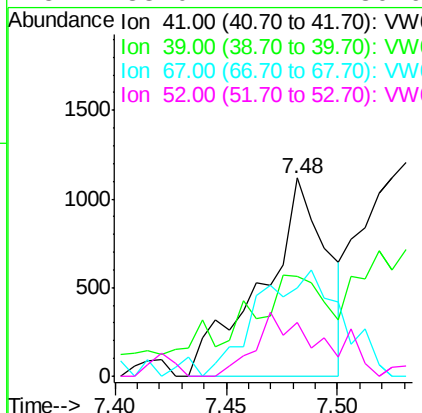
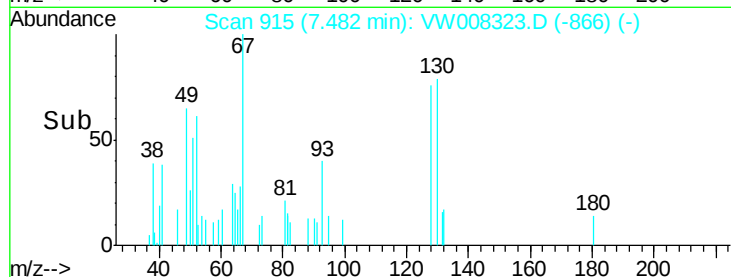
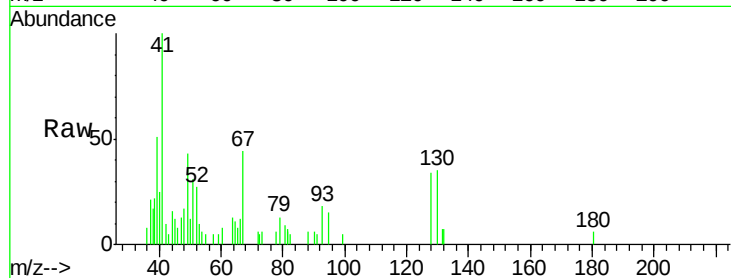
#41
Methacrylonitrile
Concen: 5.250 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	36.5	44.9	67.3#
67	69.3	56.9	85.3
52	33.0	24.4	36.6

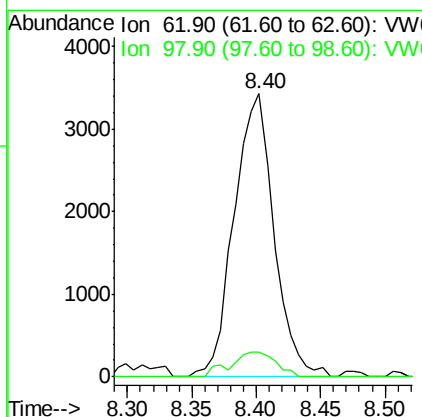
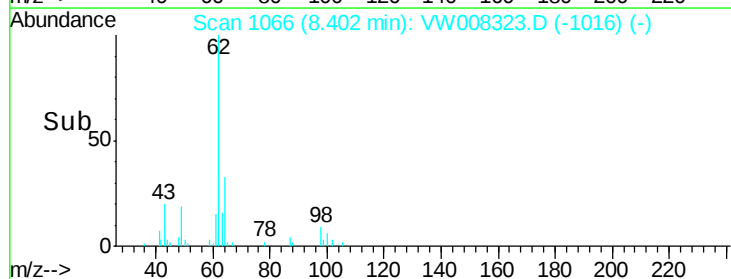
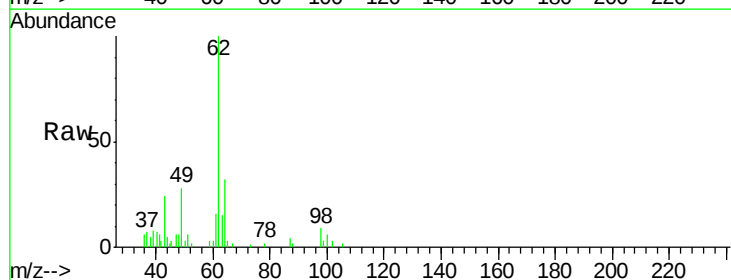
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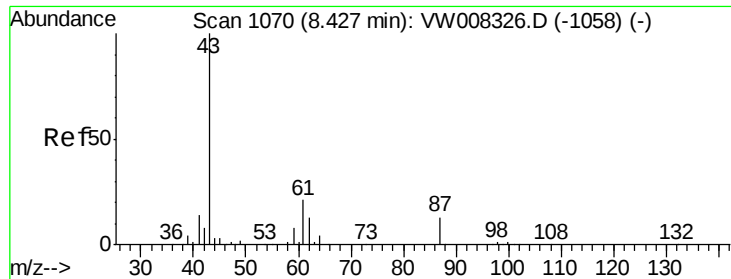
MMDadoda
1/18/2019 2:09:19 PM



#42
1,2-Dichloroethane
Concen: 5.171 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 4.813 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

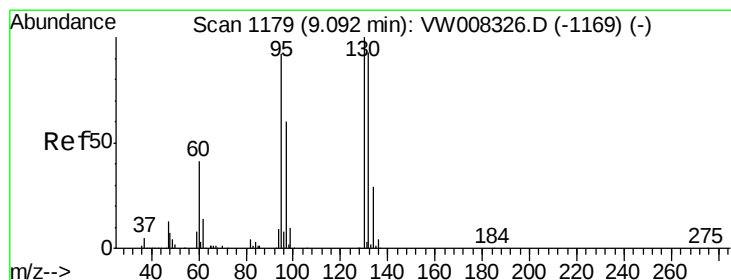
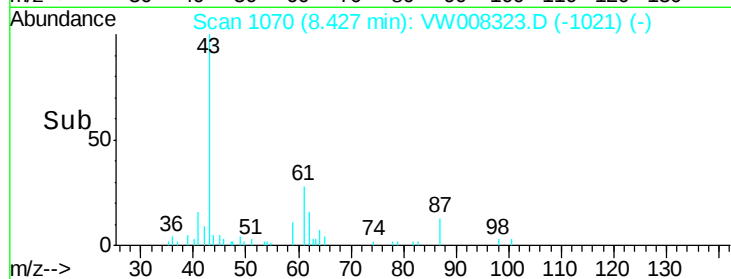
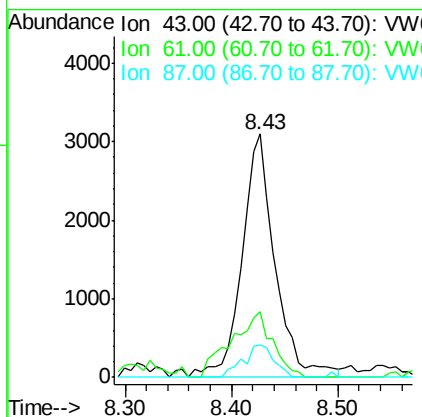
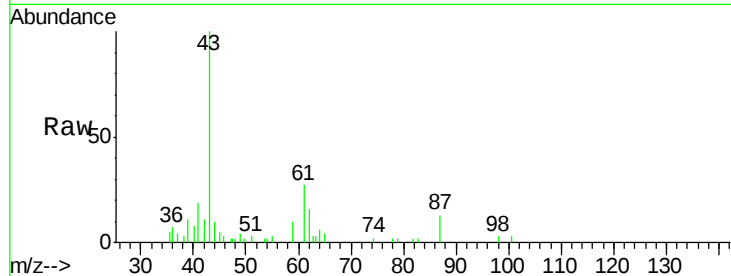
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	6741
Ion	Ratio	Lower	Upper
43	100		
61	33.3	24.8	37.2
87	12.3	10.7	16.1

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#44

Trichloroethene

Concen: 5.121 ug/l

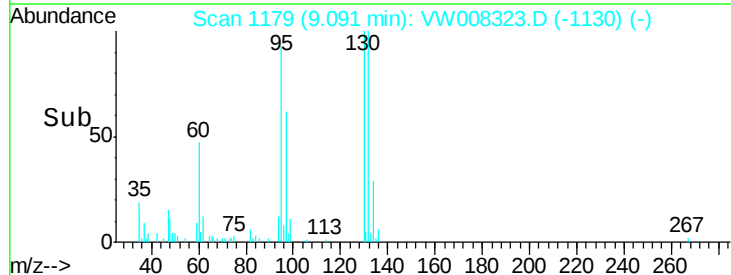
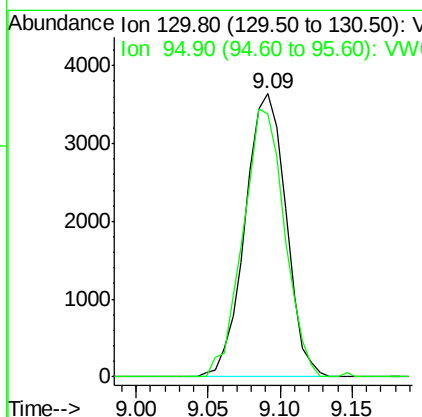
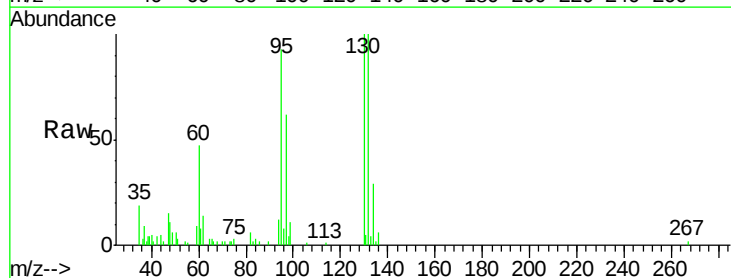
RT: 9.09 min Scan# 1179

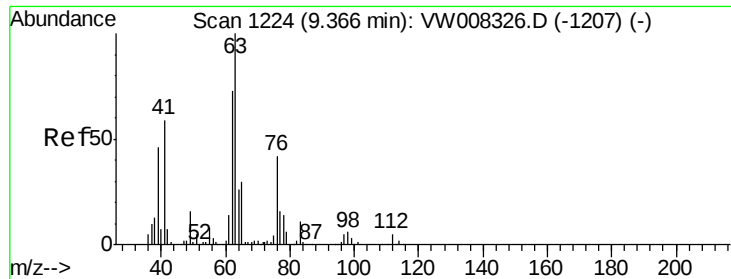
Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	130	Resp:	7146
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	184.8





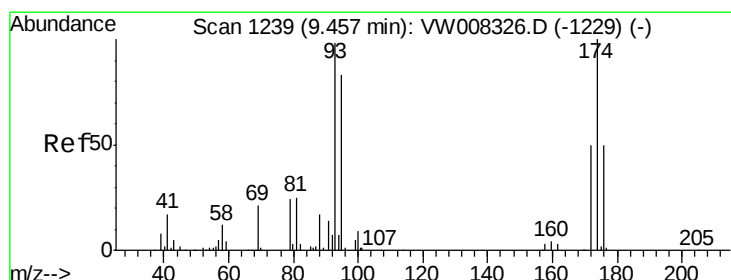
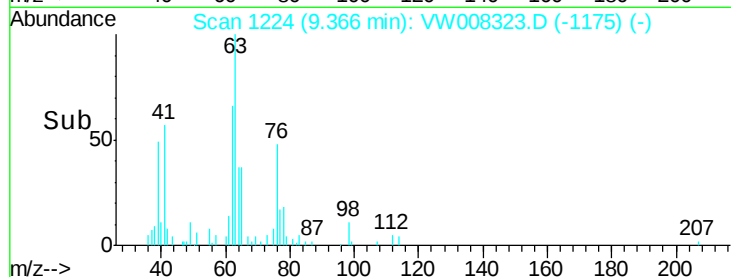
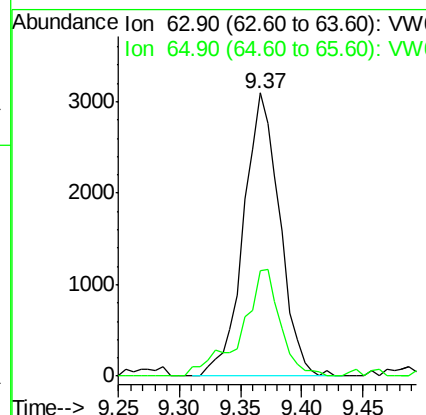
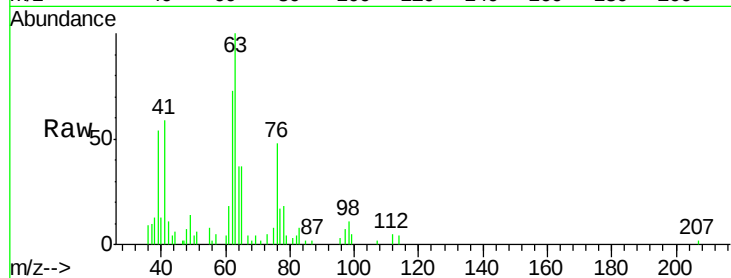
#45
 1,2-Dichloropropane
 Concen: 5.019 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.1	23.9	35.9#

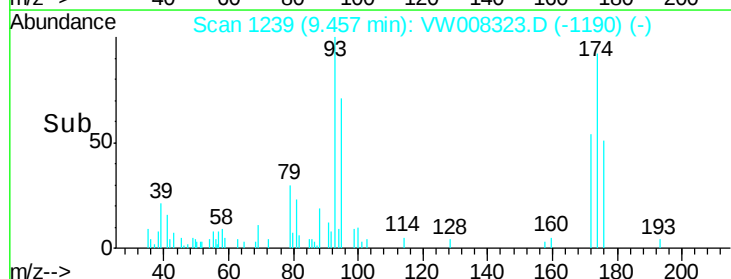
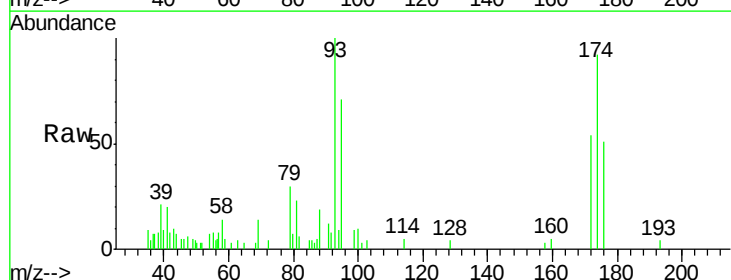
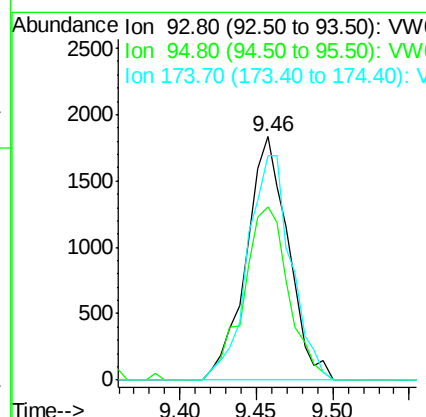
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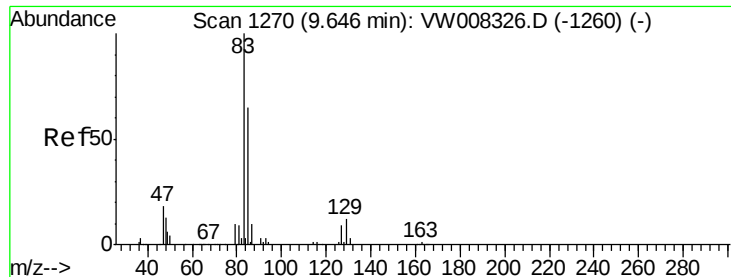
MMDadoda
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#46
 Dibromomethane
 Concen: 5.301 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	75.9	67.8	101.8
174	96.2	84.4	126.6





#47

Bromodichloromethane

Concen: 4.685 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

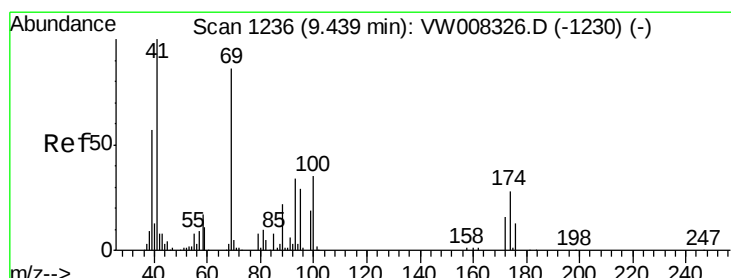
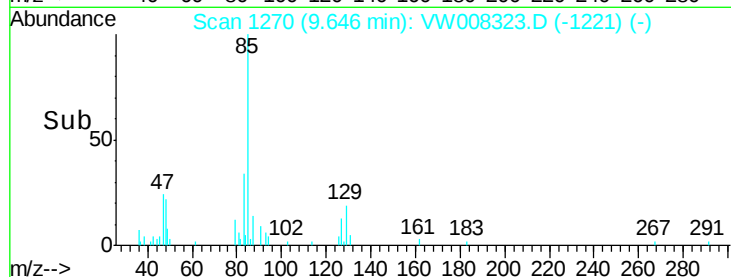
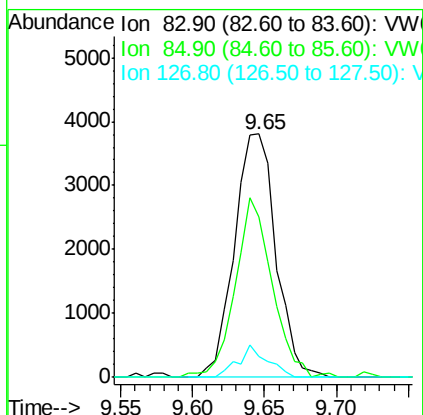
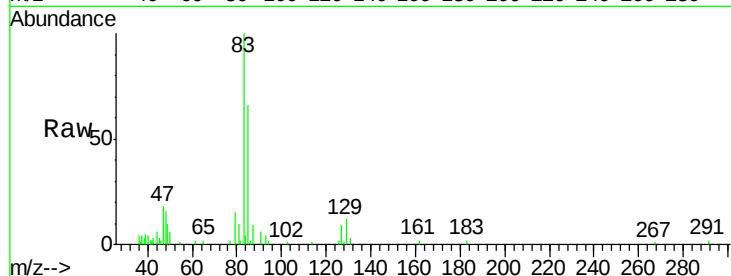
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7620
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.6	77.4
127	8.8	6.8	10.2

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#48

Methyl methacrylate

Concen: 4.625 ug/l

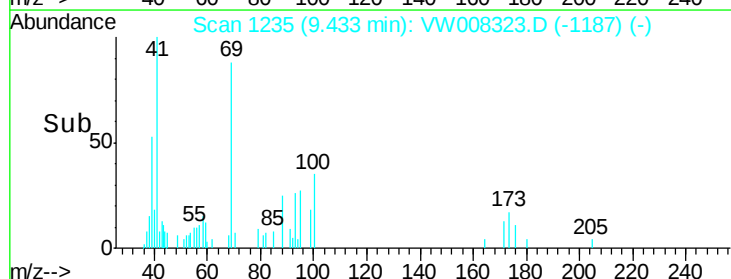
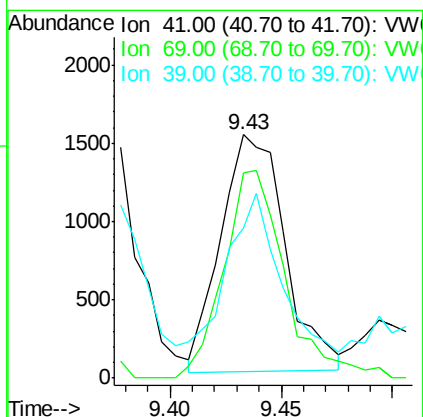
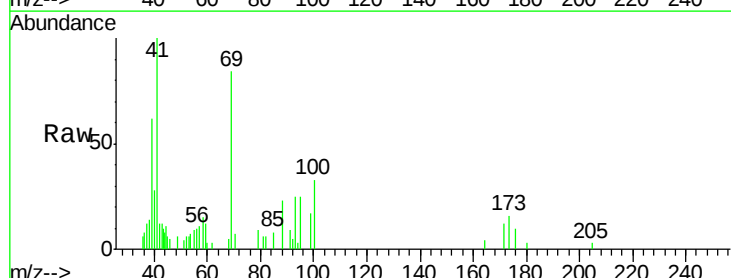
RT: 9.43 min Scan# 1235

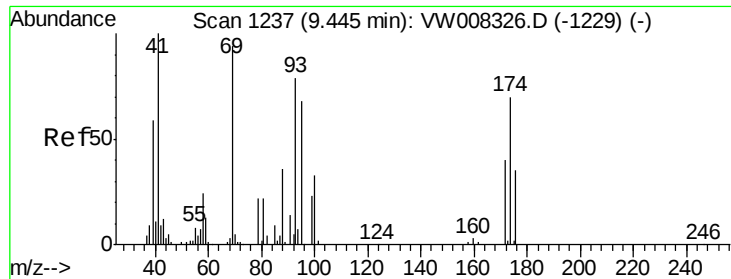
Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	41	Resp:	3049
Ion	Ratio	Lower	Upper
41	100		
69	83.8	68.2	102.4
39	52.3	46.0	69.0





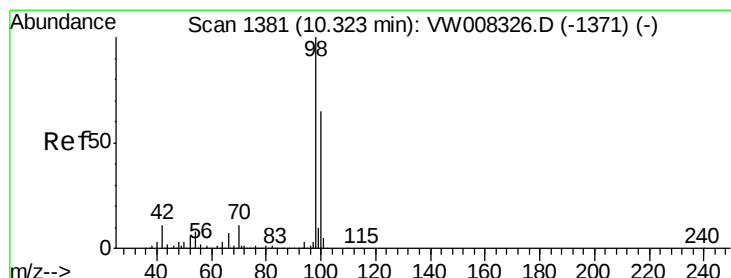
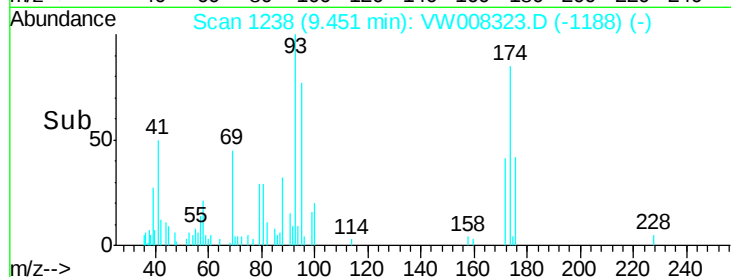
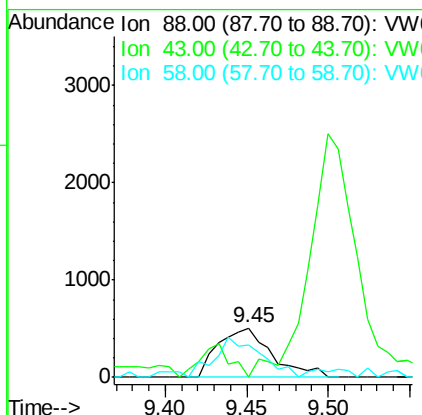
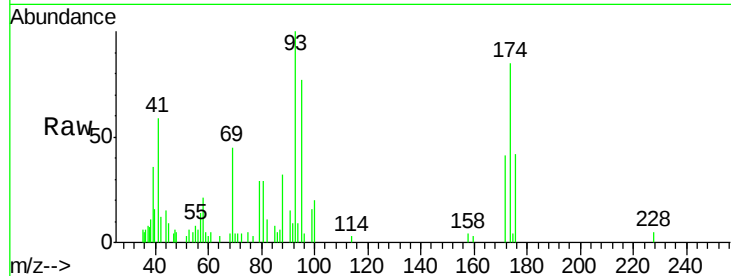
#49
 1,4-Dioxane
 Concen: 108.816 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	1155
Ion	Ratio	Lower	Upper
88	100		
43	37.6	27.1	40.7
58	75.2	57.9	86.9

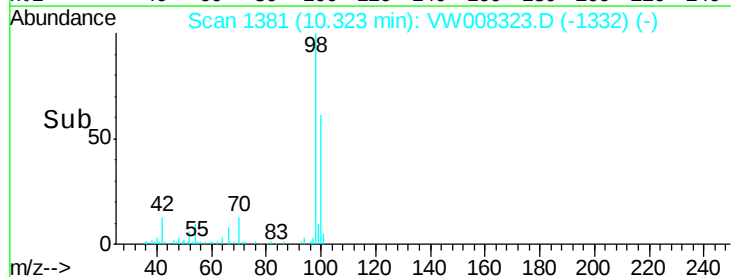
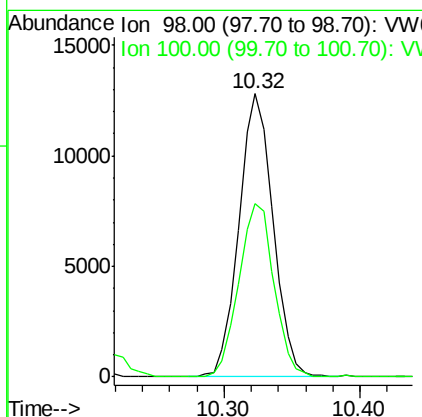
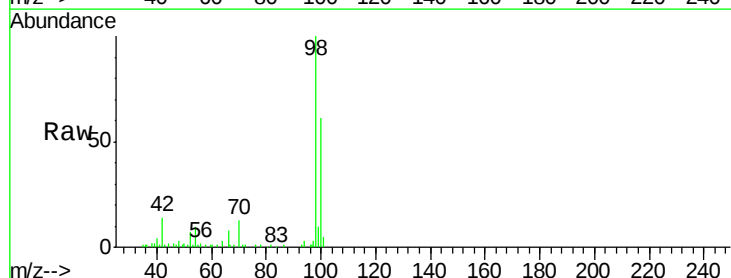
Manual Integrations
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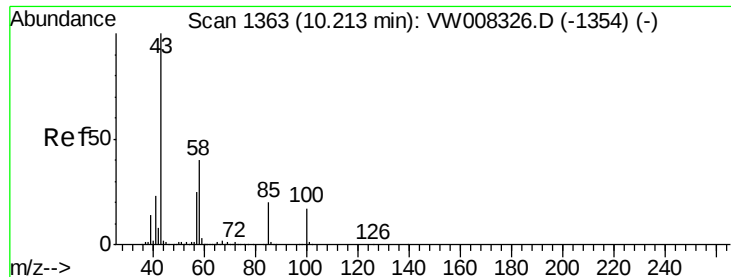
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#50
 Toluene-d8
 Concen: 5.008 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	98	Resp	22444
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 23.349 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 16558

Ion Ratio Lower Upper

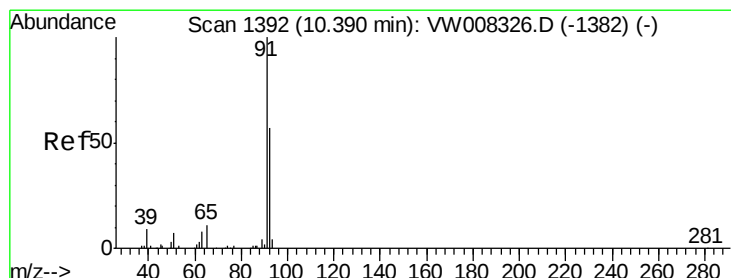
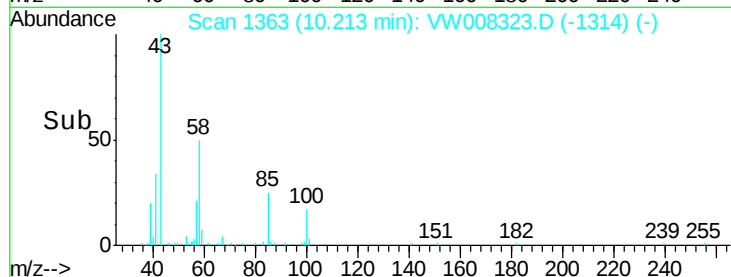
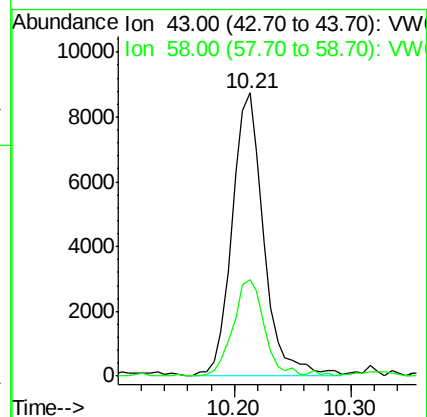
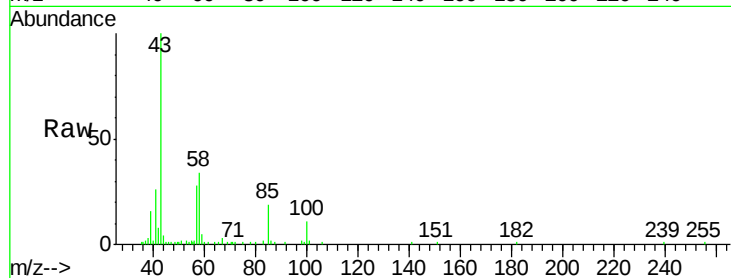
43 100

58 33.7 31.4 47.0

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1/18/2019 2:09:19 PM



#52

Toluene

Concen: 4.872 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008323.D

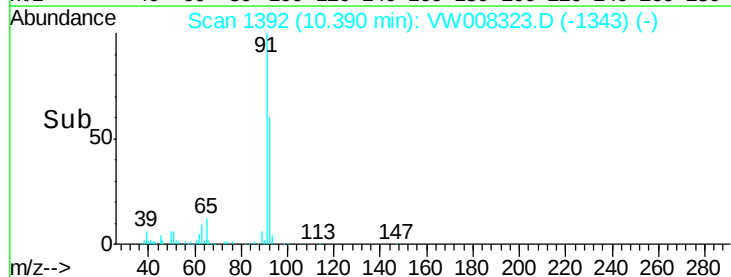
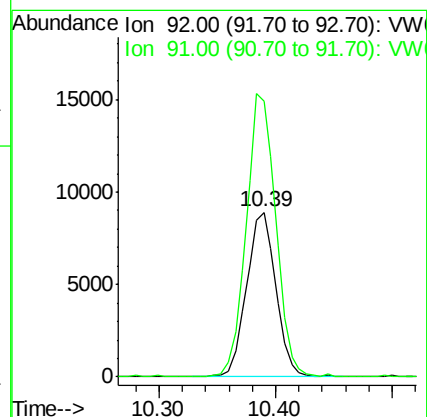
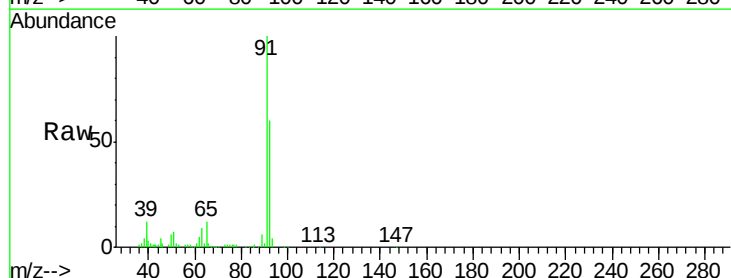
Acq: 17 Jan 2019 12:47

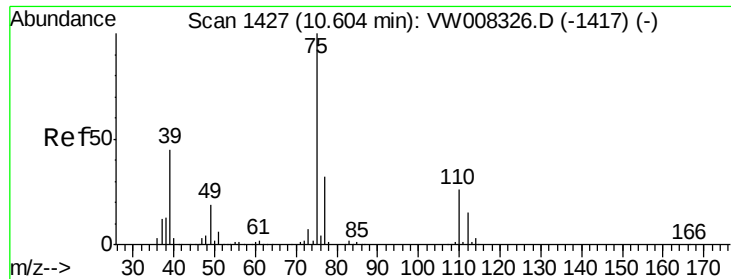
Tgt Ion: 92 Resp: 15702

Ion Ratio Lower Upper

92 100

91 173.0 140.2 210.2





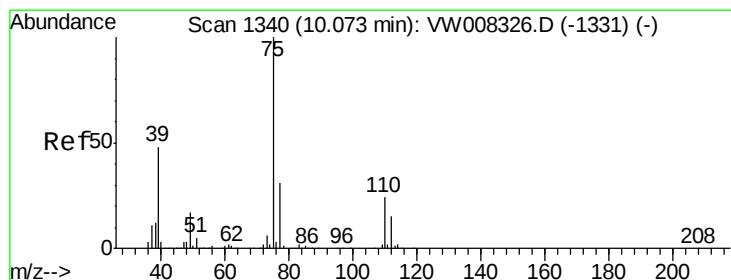
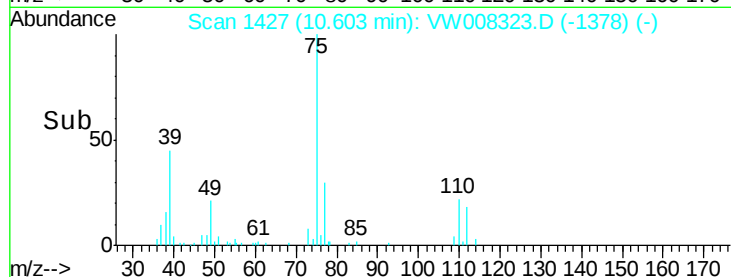
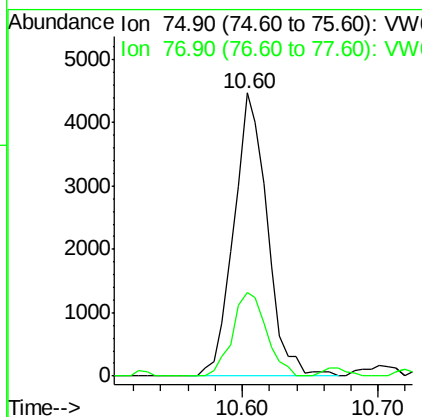
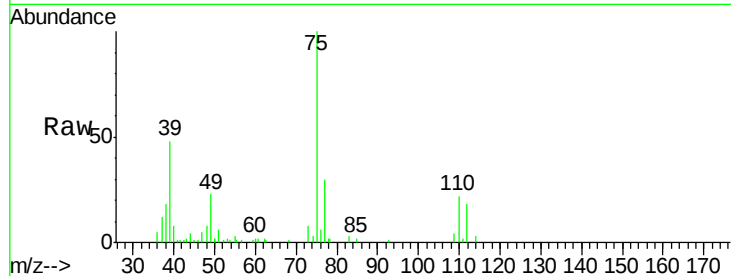
#53
t-1,3-Dichloropropene
Concen: 4.713 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.8	38.8

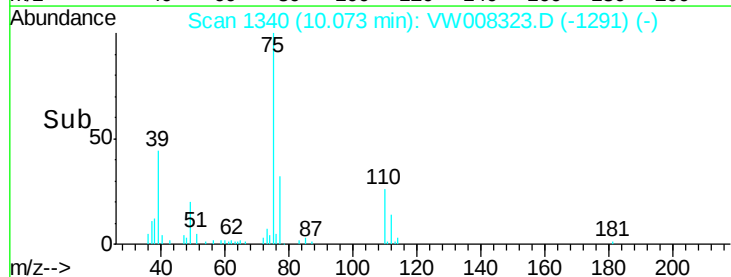
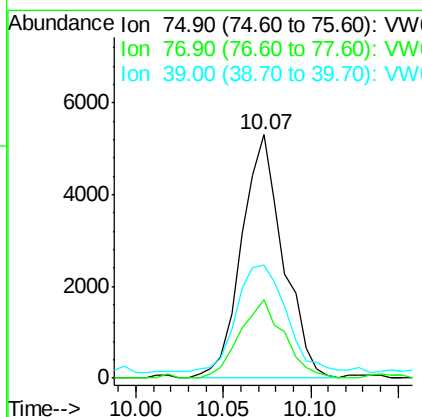
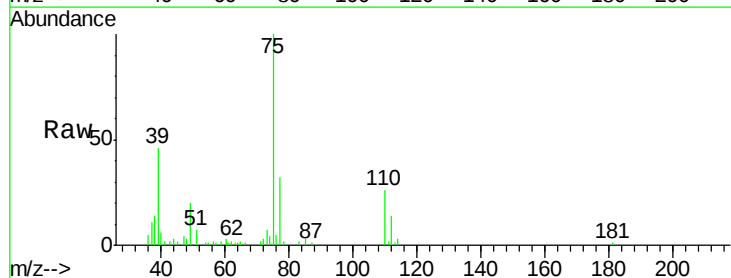
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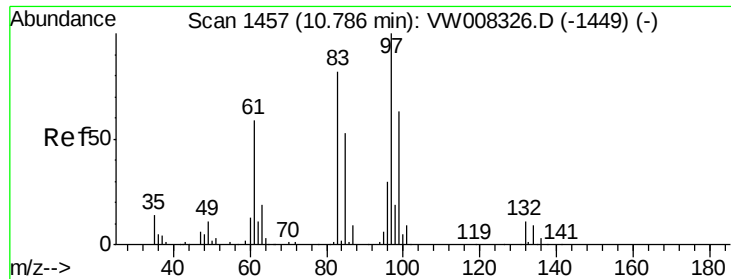
MMDadoda
1/18/2019 2:09:19 PM



#54
cis-1,3-Dichloropropene
Concen: 4.588 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6
39	43.5	38.6	57.8





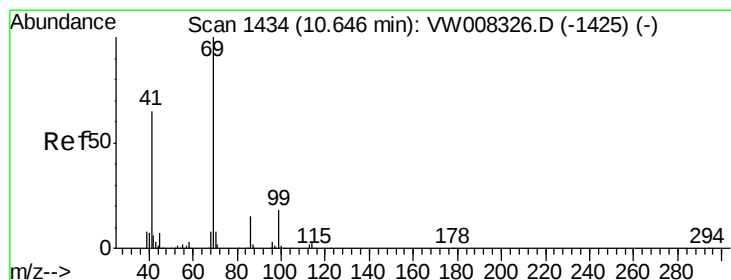
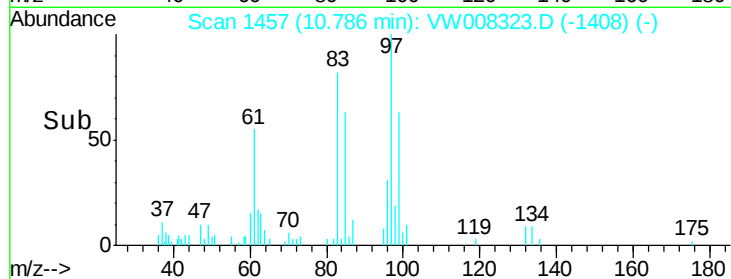
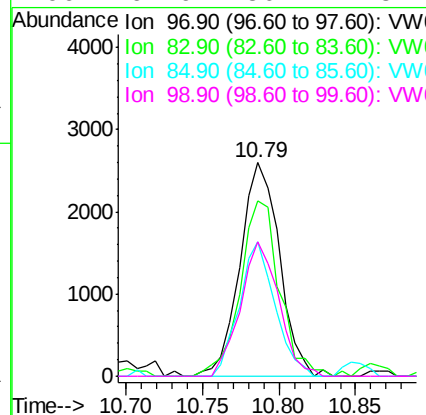
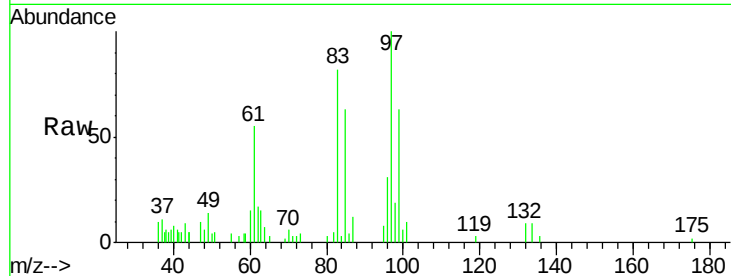
#55
 1,1,2-Trichloroethane
 Concen: 5.101 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	4665
Ion	Ratio	Lower	Upper
97	100		
83	81.9	65.3	97.9
85	62.9	42.6	64.0
99	62.9	50.2	75.2

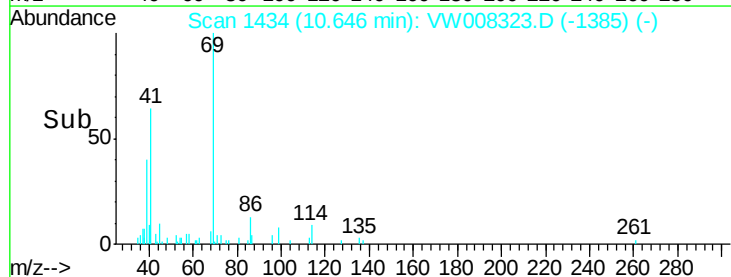
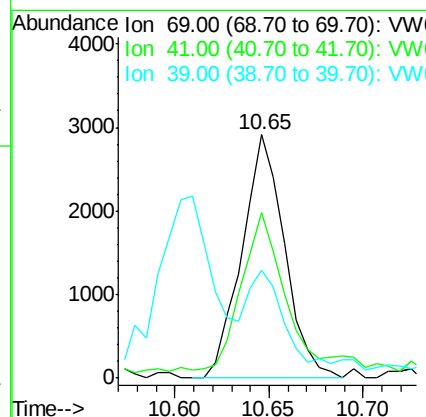
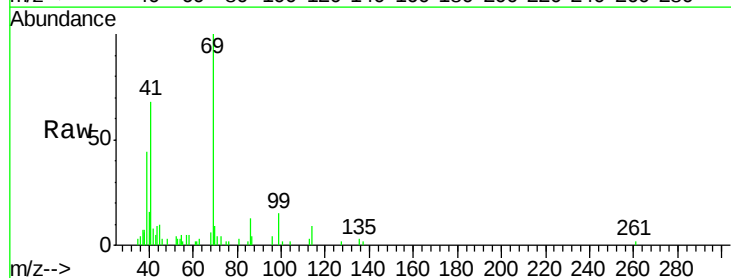
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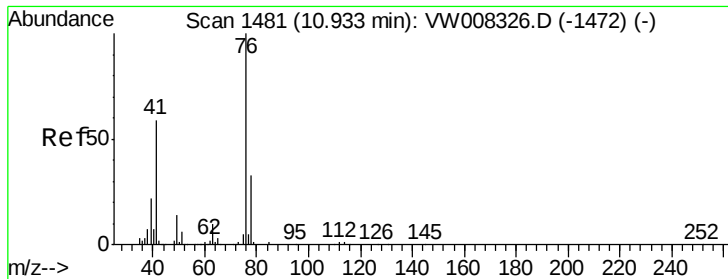
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#56
 Ethyl methacrylate
 Concen: 4.258 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion:	69	Resp:	4573
Ion	Ratio	Lower	Upper
69	100		
41	70.8	52.9	79.3
39	34.9	28.4	42.6





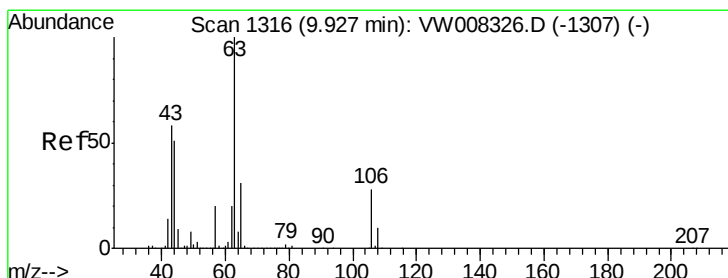
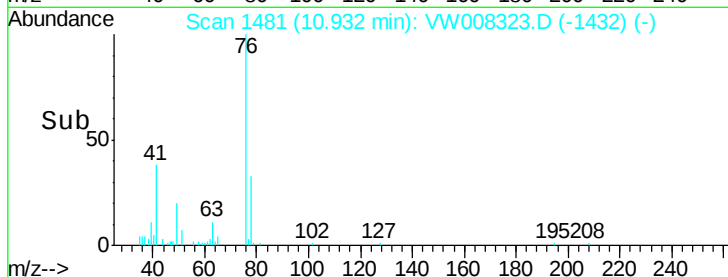
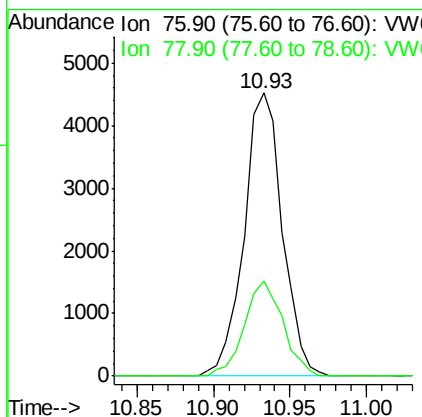
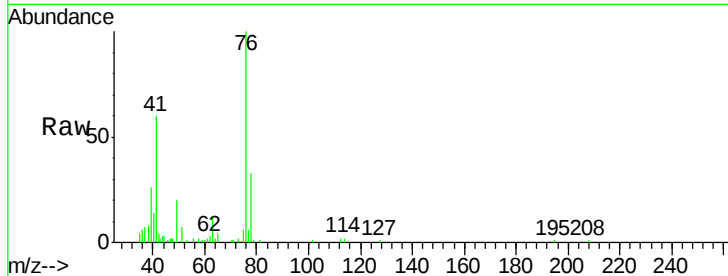
#57
 1,3-Dichloropropane
 Concen: 4.941 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 7845
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.1 39.1

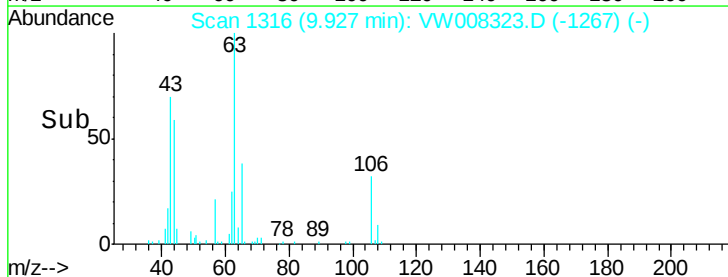
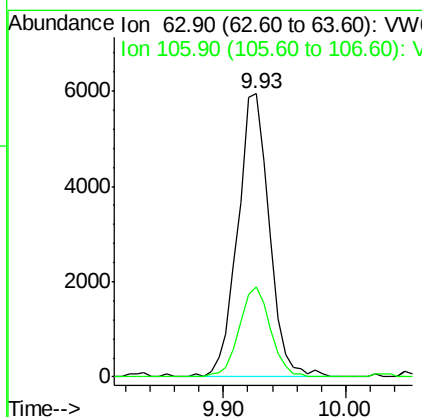
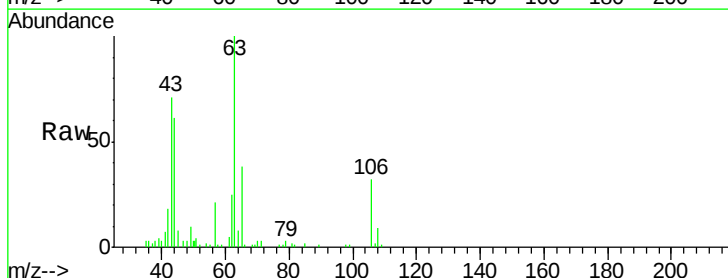
Manual Integrations
 APPROVED

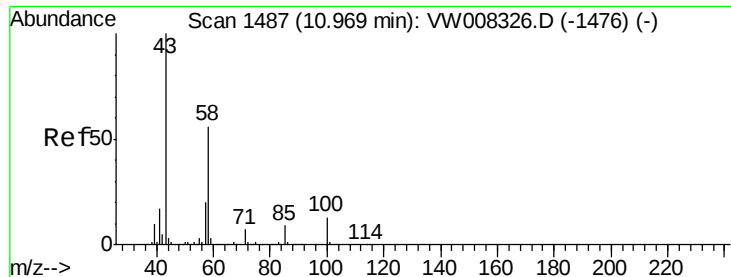
MMDadoda
 1/18/2019 2:09:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.557 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion: 63 Resp: 10650
 Ion Ratio Lower Upper
 63 100
 106 31.2 22.9 34.3





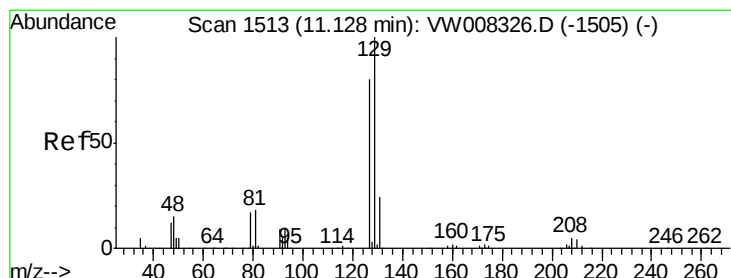
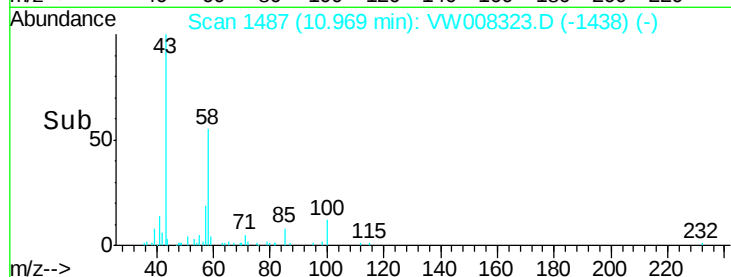
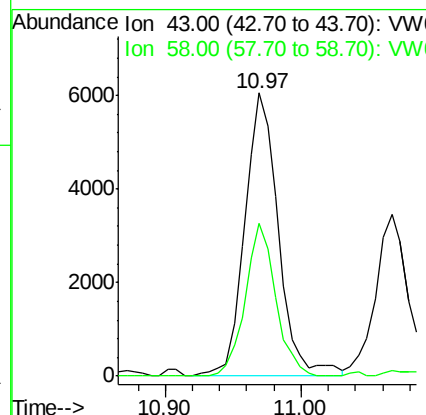
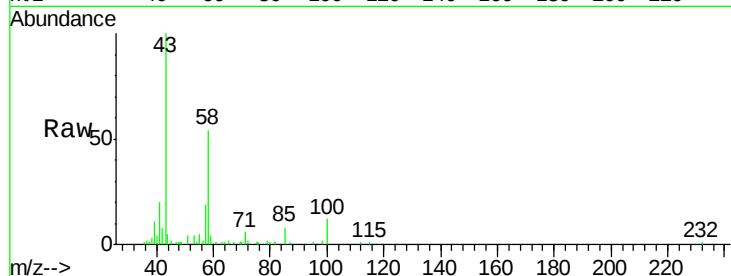
#59
2-Hexanone
Concen: 21.104 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 10486
Ion Ratio Lower Upper
43 100
58 48.6 27.5 82.5

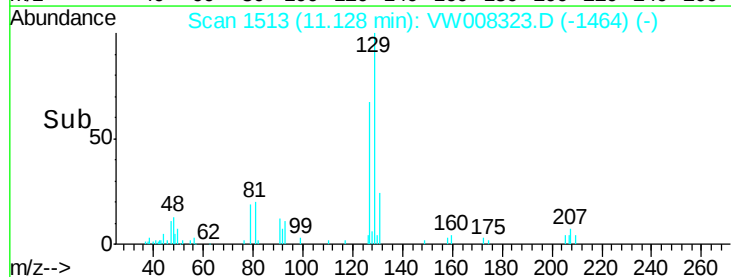
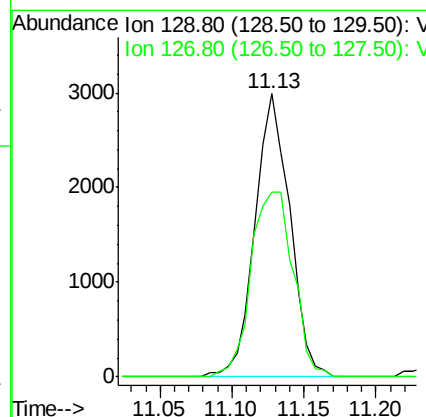
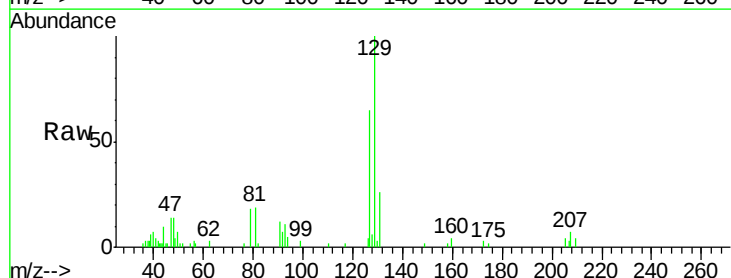
Manual Integrations
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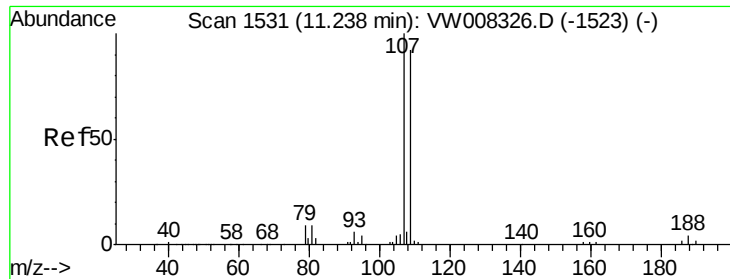
MMDadoda
1/18/2019 2:09:19 PM



#60
Dibromochloromethane
Concen: 4.587 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion: 129 Resp: 5007
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 4.710 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 4171

Ion Ratio Lower Upper

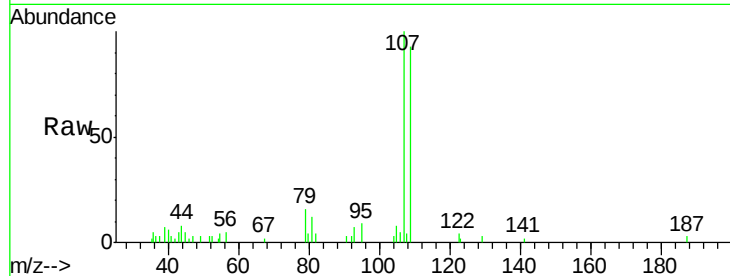
107 100

109 94.0 74.0 111.0

Manual Integrations
APPROVED

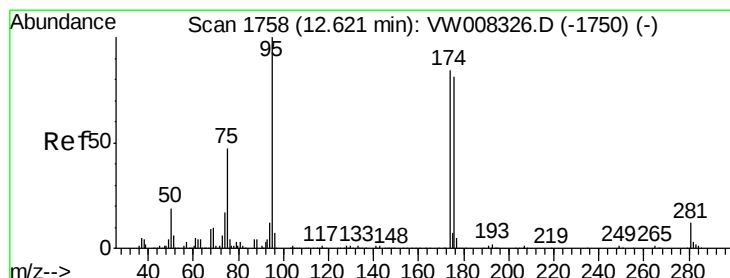
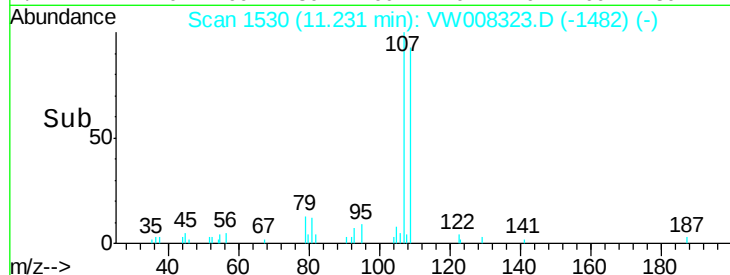
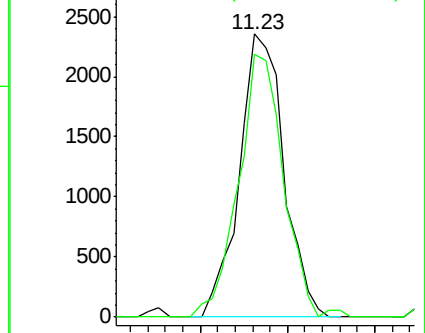
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.419 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

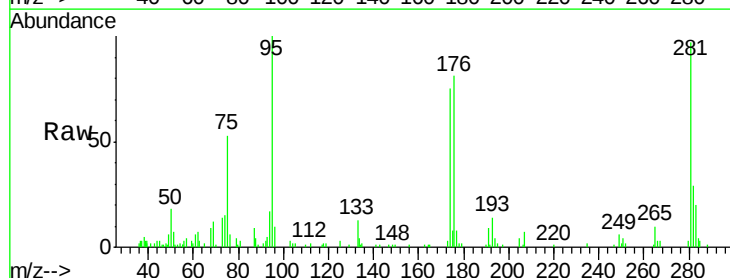
Tgt Ion: 95 Resp: 8710

Ion Ratio Lower Upper

95 100

174 79.5 0.0 166.0

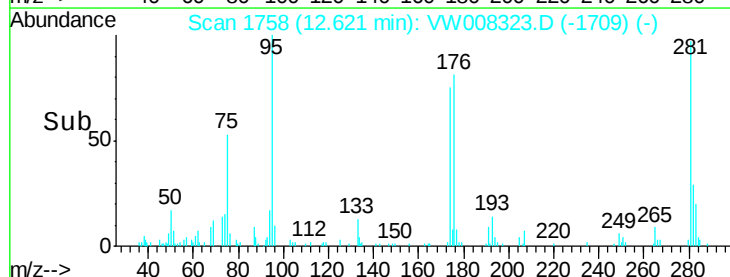
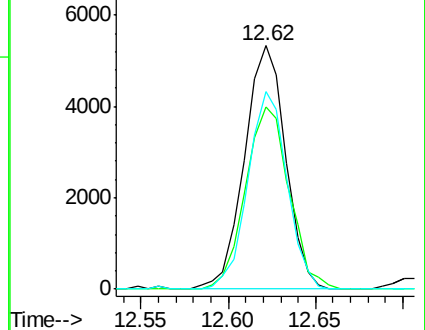
176 77.3 0.0 160.0

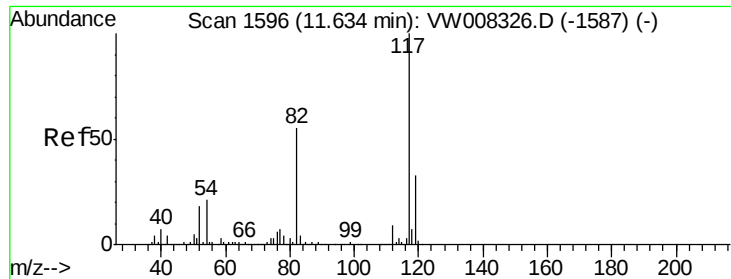


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





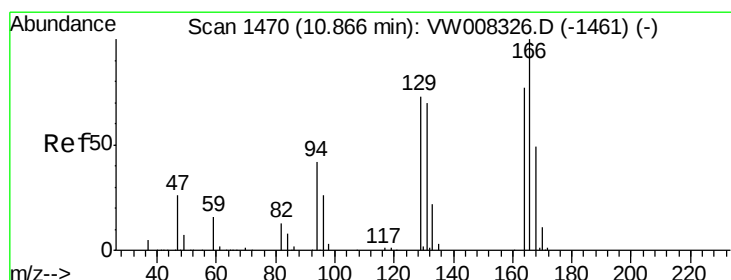
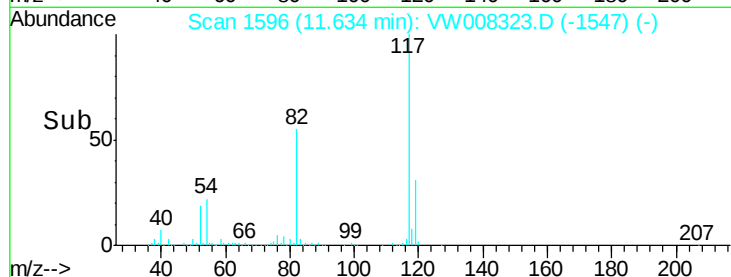
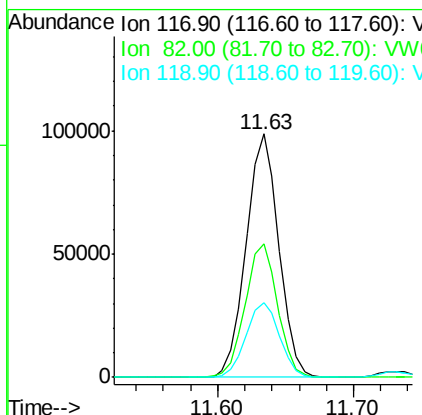
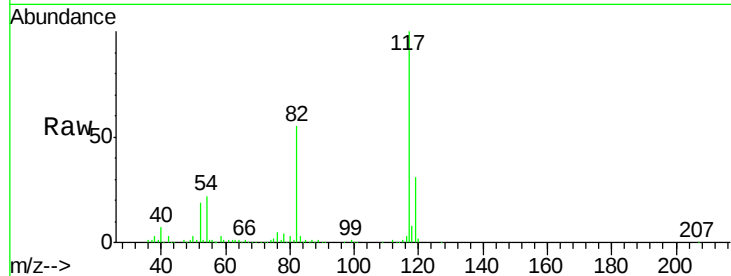
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	165843		
82	54.5		44.3	66.5
119	30.9		26.3	39.5

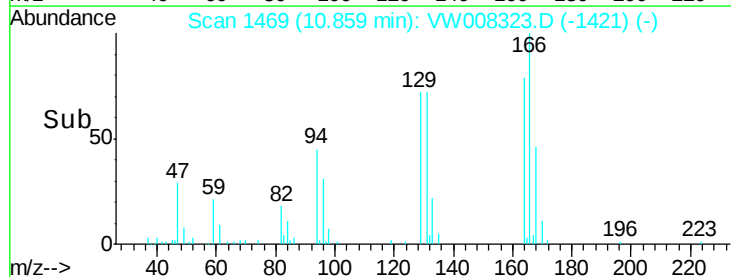
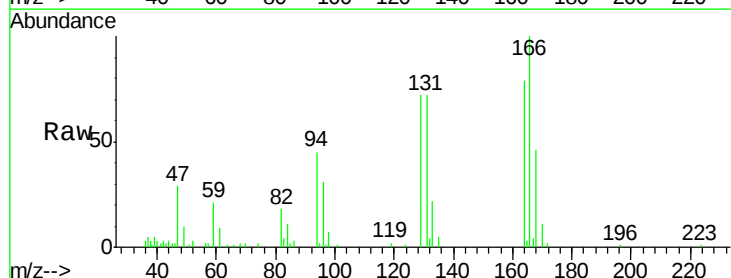
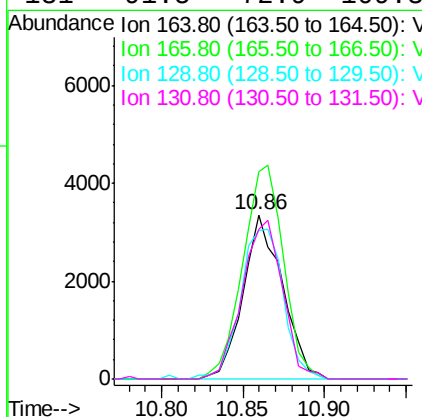
Manual Integrations
APPROVED

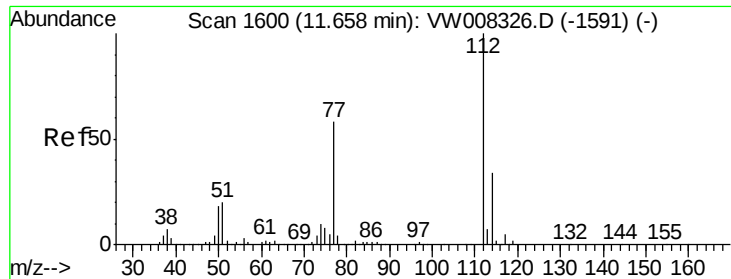
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#64
Tetrachloroethene
Concen: 4.837 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5625		
166	126.8		103.4	155.2
129	90.7		75.0	112.6
131	91.5		72.9	109.3





#65

Chlorobenzene

Concen: 4.968 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 17970

Ion Ratio Lower Upper

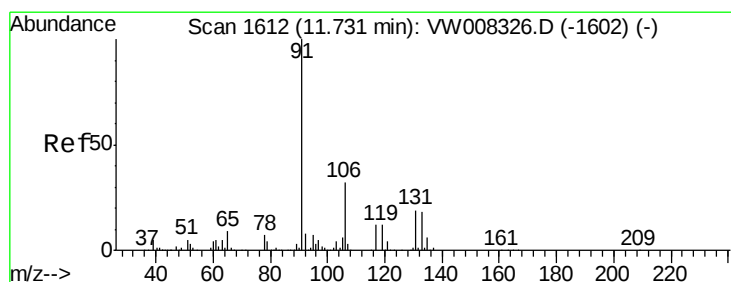
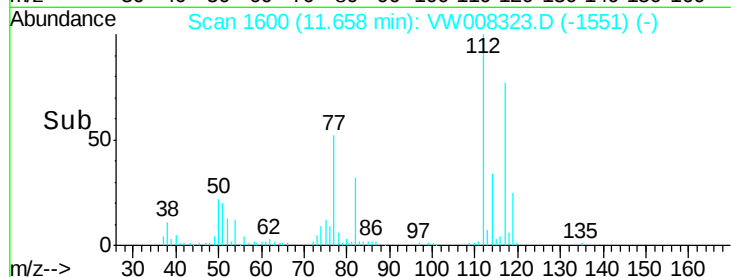
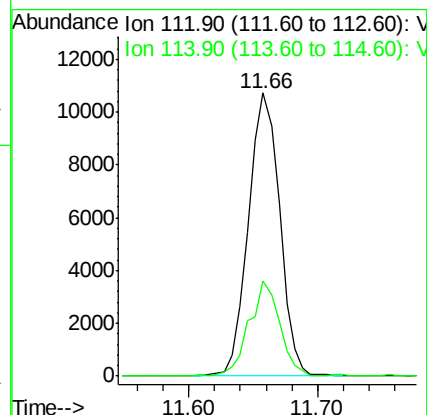
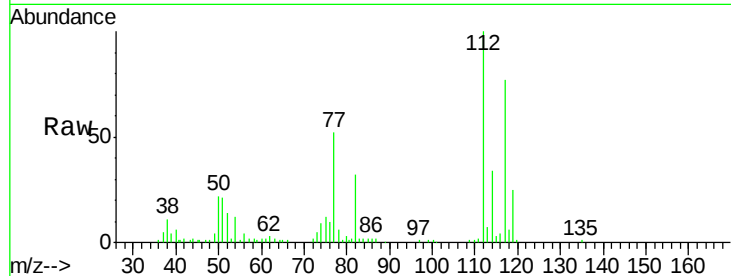
112 100

114 33.8 26.9 40.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 5.022 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

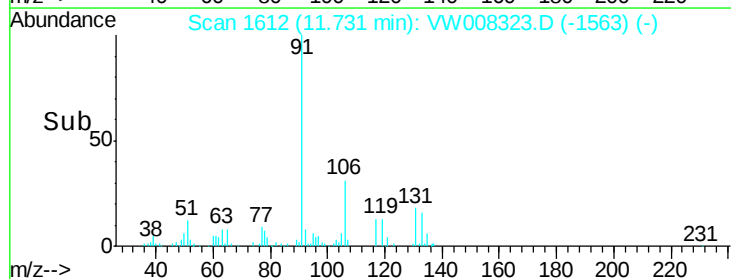
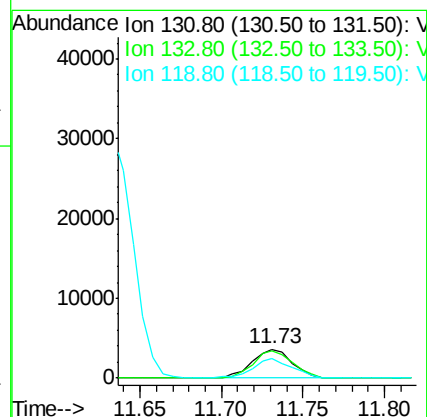
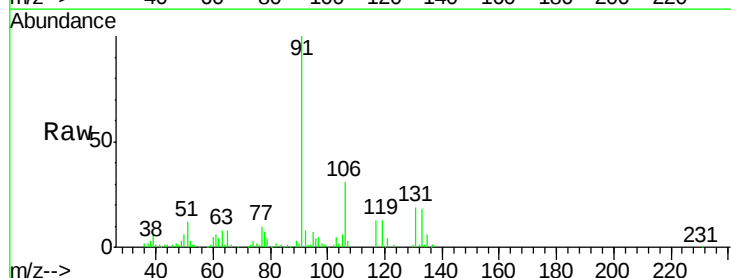
Tgt Ion:131 Resp: 6253

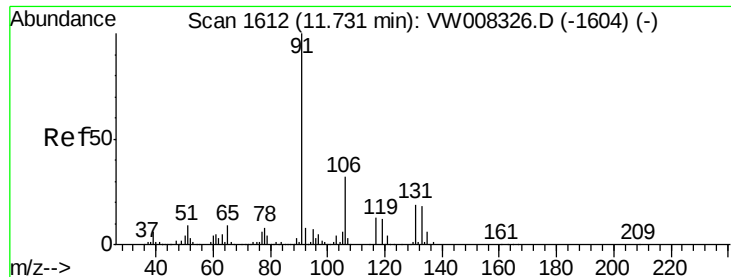
Ion Ratio Lower Upper

131 100

133 91.7 48.2 144.6

119 64.8 31.6 94.7





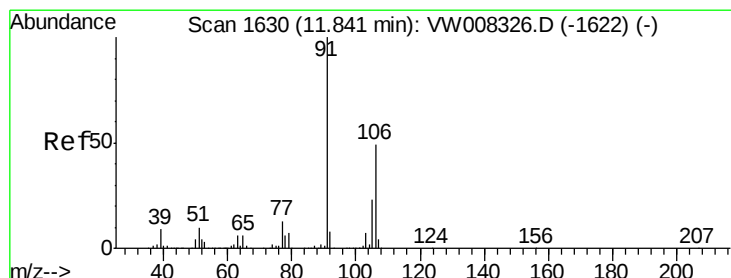
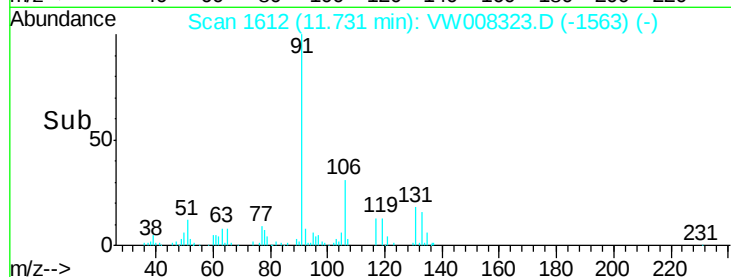
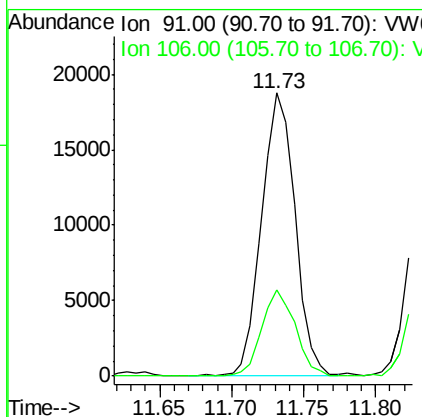
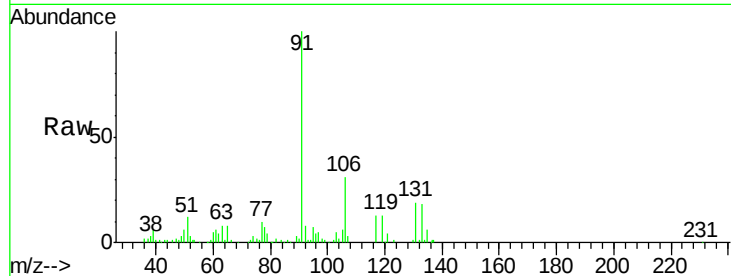
#67
Ethyl Benzene
Concen: 4.816 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 30247
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2

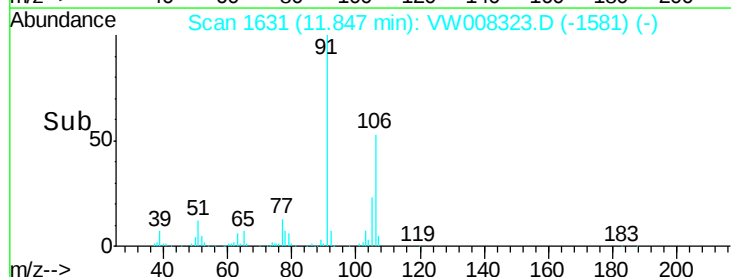
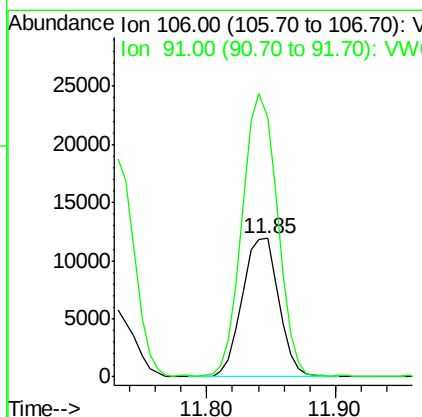
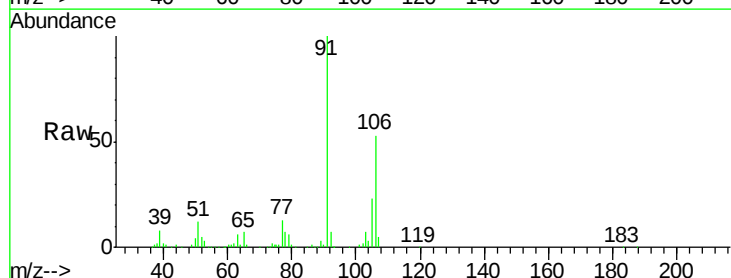
Manual Integrations
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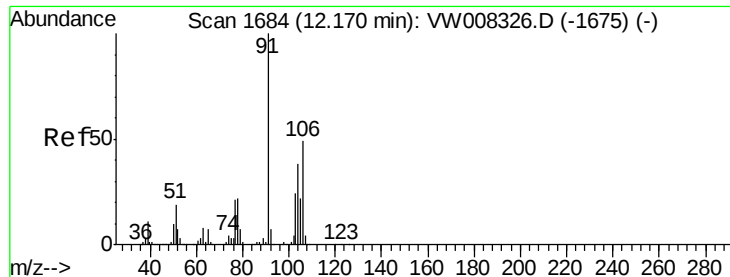
MMDadoda
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#68
m/p-Xylenes
Concen: 9.607 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion: 106 Resp: 23422
Ion Ratio Lower Upper
106 100
91 197.5 158.4 237.6





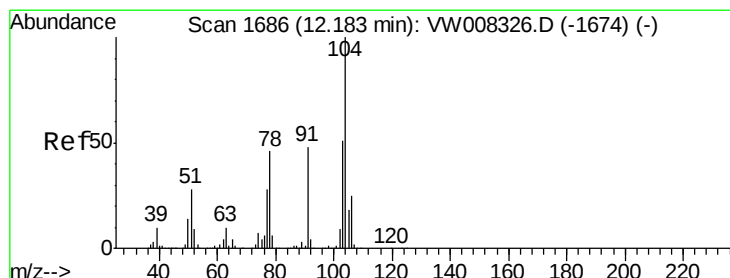
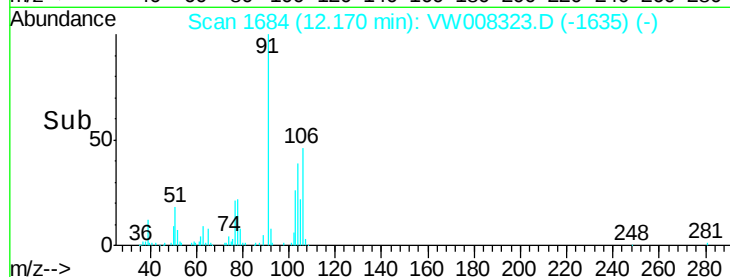
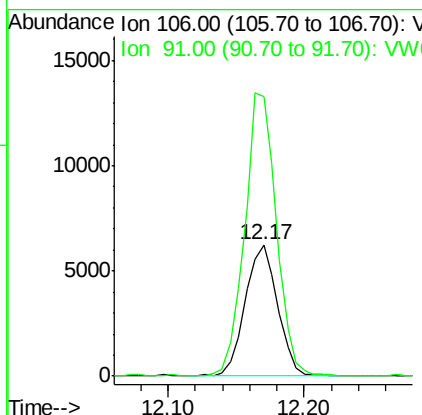
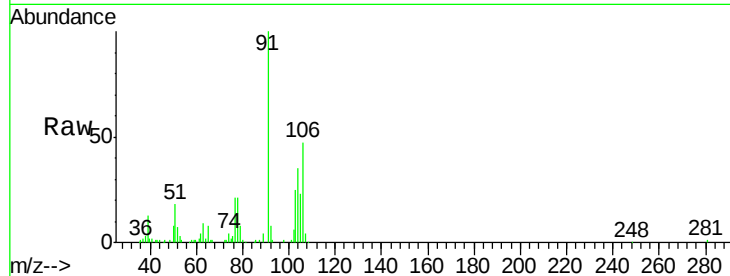
#69
o-Xylene
Concen: 4.582 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 10436
Ion Ratio Lower Upper
106 100
91 210.1 104.1 312.3

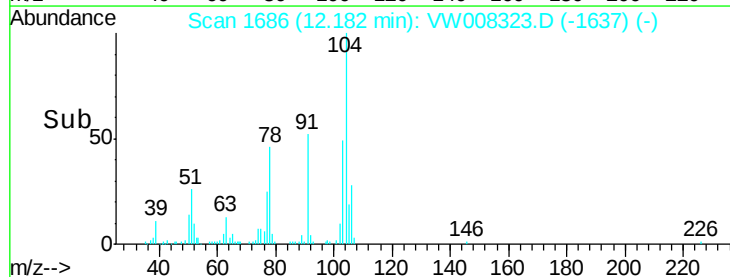
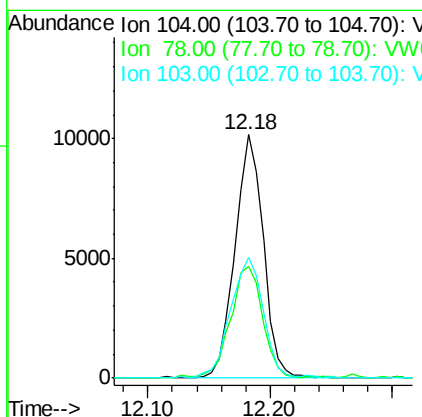
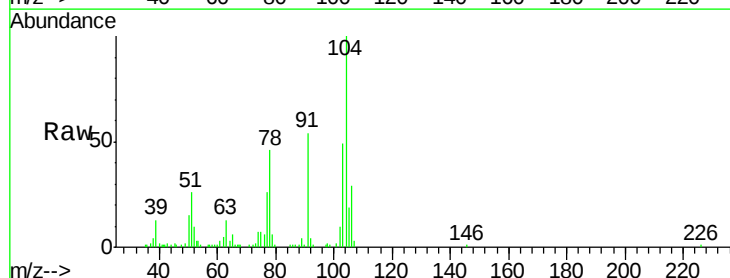
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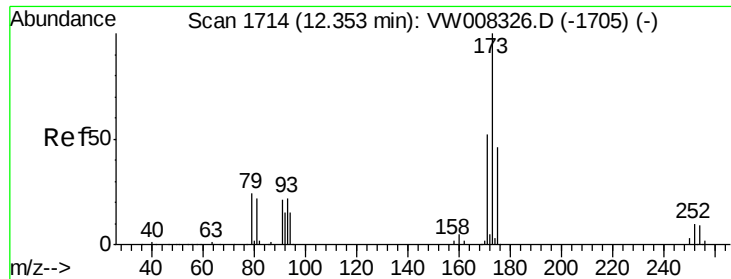
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#70
Styrene
Concen: 4.455 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion:104 Resp: 16298
Ion Ratio Lower Upper
104 100
78 52.3 39.8 59.6
103 58.1 44.0 66.0





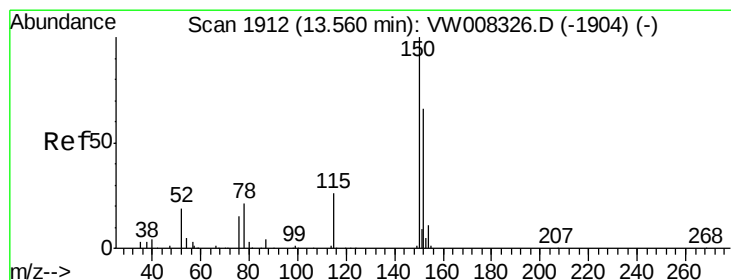
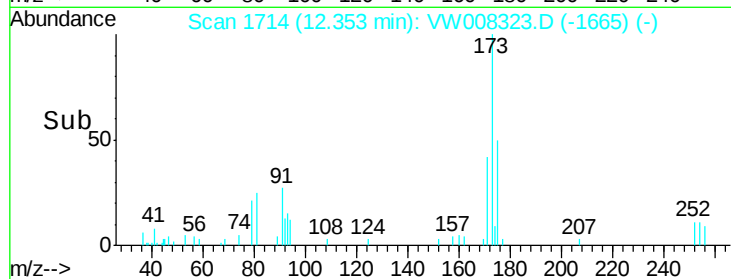
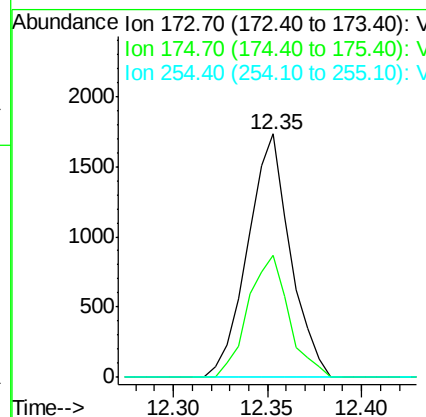
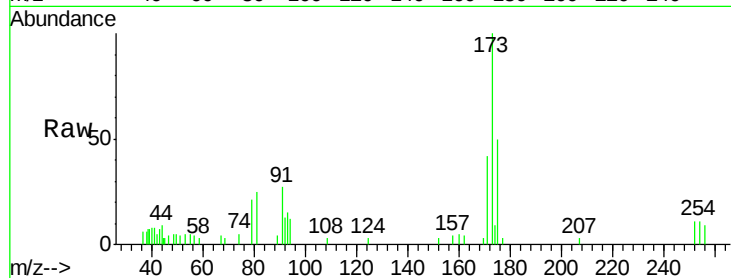
#71
Bromoform
Concen: 4.353 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	70.8
254	0.0	0.2	0.2

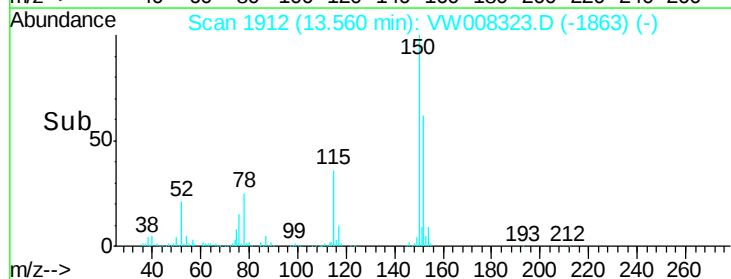
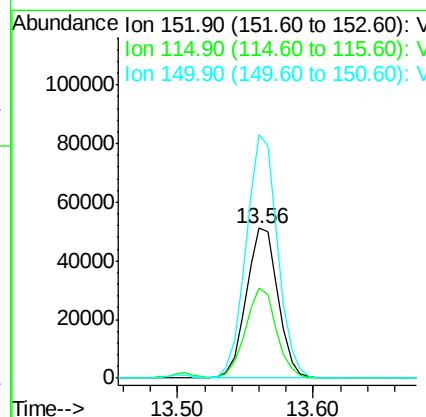
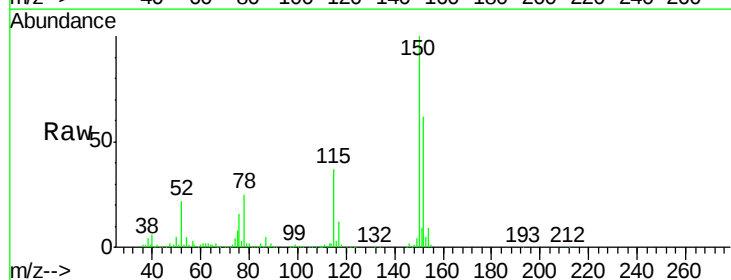
Manual Integrations
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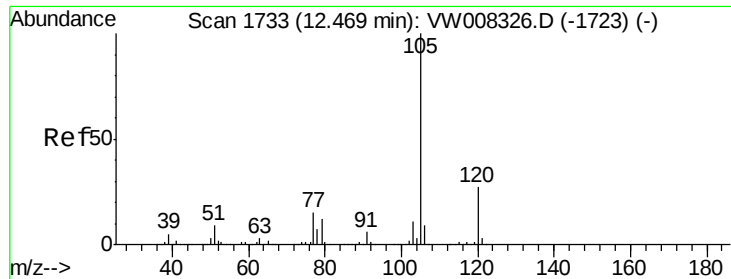
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.8	86.4
150	161.4	0.0	351.4





#73

Isopropylbenzene

Concen: 4.528 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 27414

Ion Ratio Lower Upper

105 100

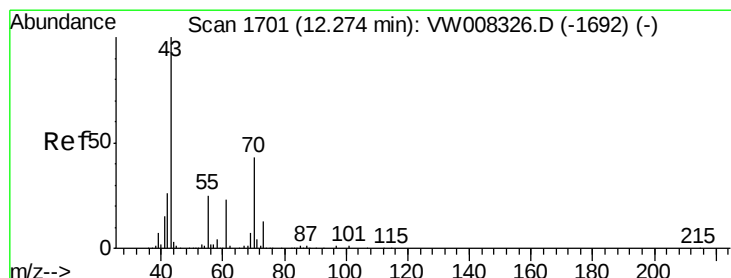
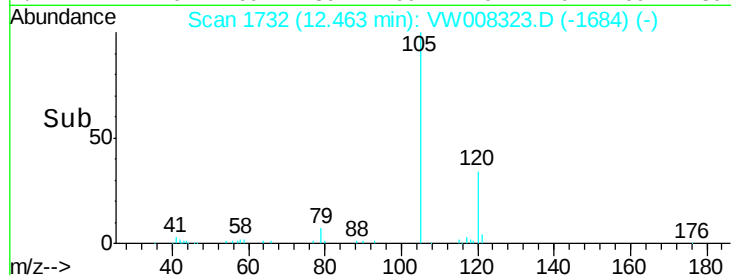
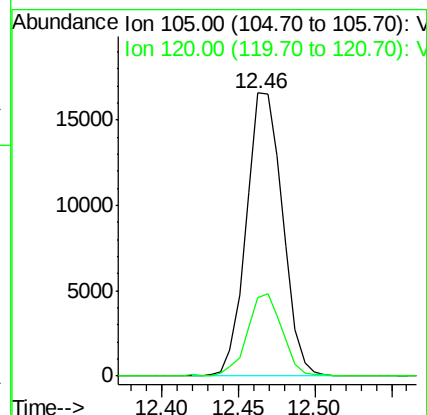
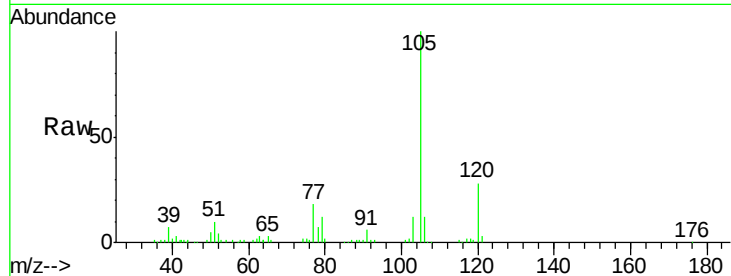
120 27.9 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.417 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion: 43 Resp: 5731

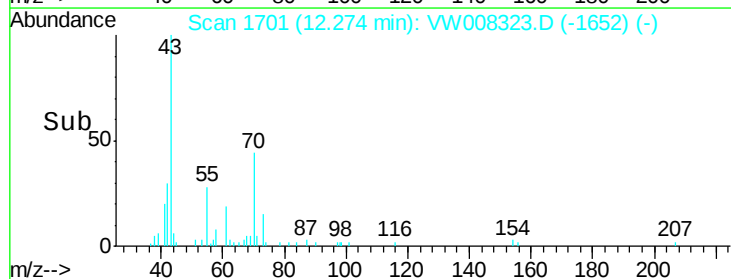
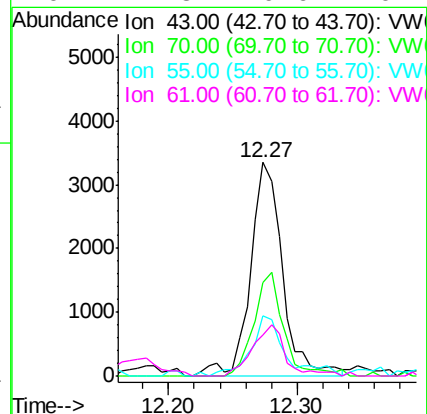
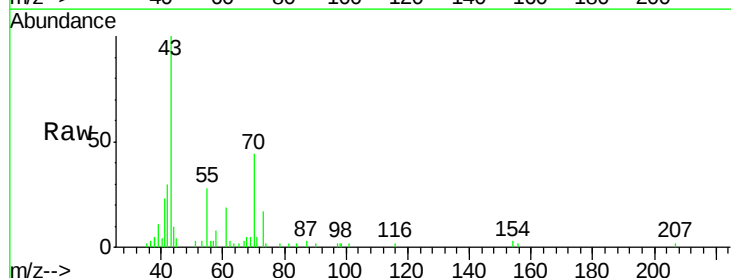
Ion Ratio Lower Upper

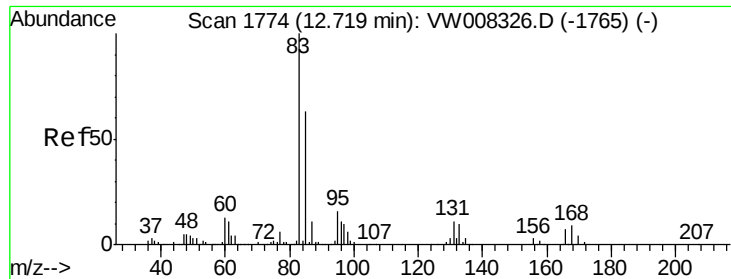
43 100

70 44.7 34.6 52.0

55 30.2 20.0 30.0#

61 24.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.033 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

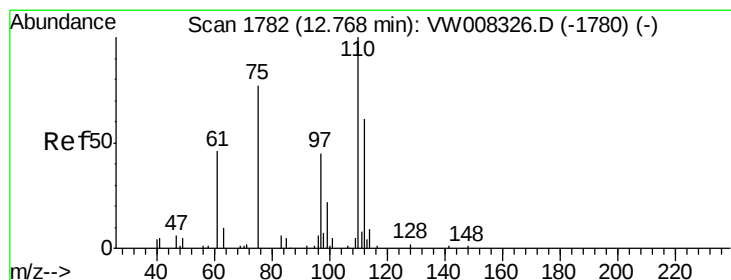
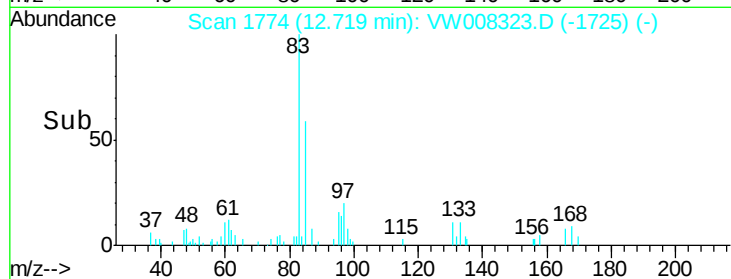
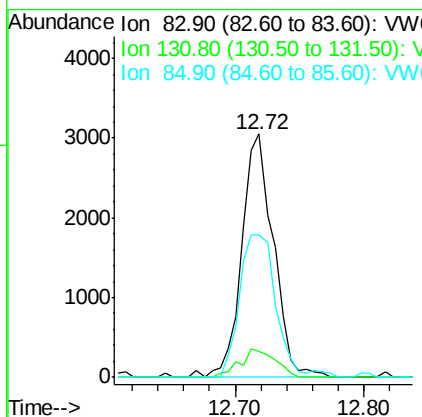
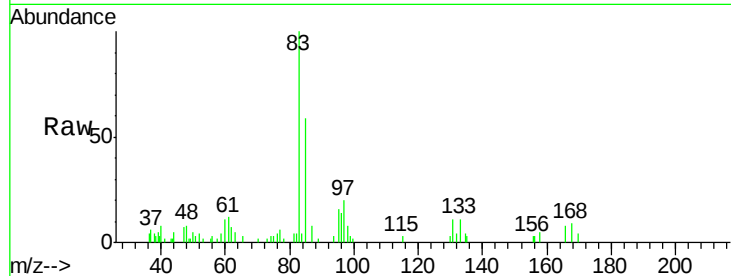
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	5183
Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.5	16.5
85	66.2	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 4.390 ug/l m

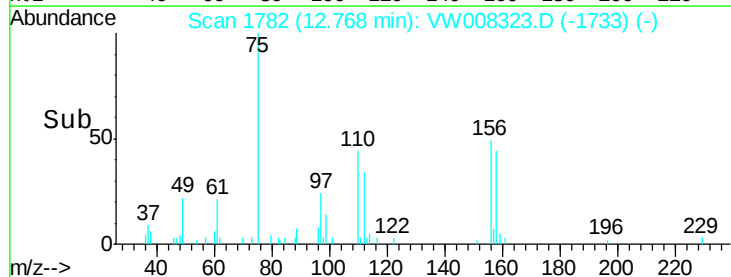
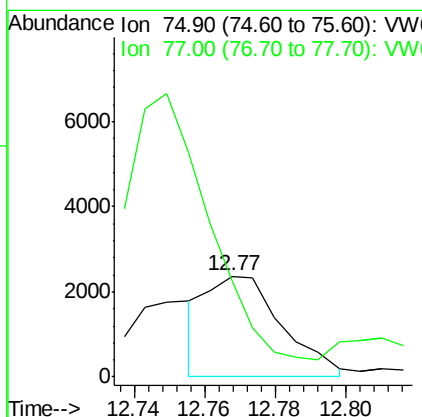
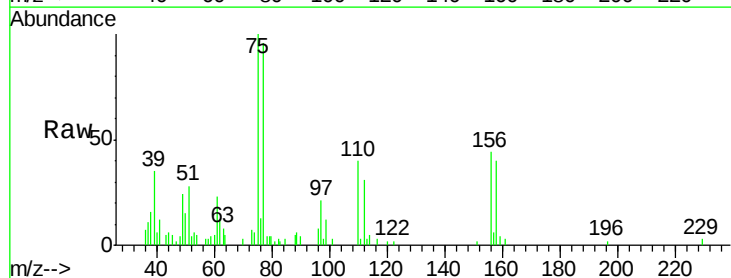
RT: 12.77 min Scan# 1782

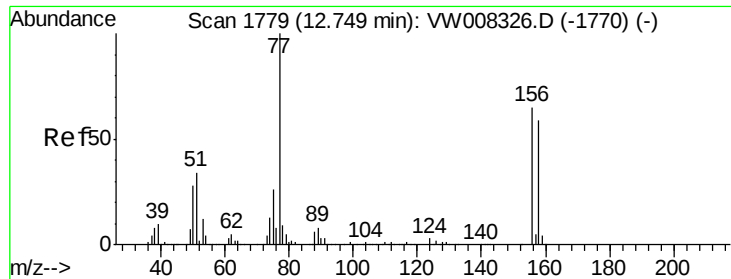
Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion:	75	Resp:	3546
Ion	Ratio	Lower	Upper
75	100		
77	352.4	175.3	526.1





#77

Bromobenzene

Concen: 4.828 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

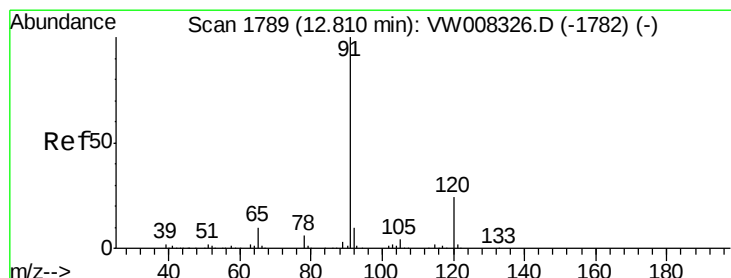
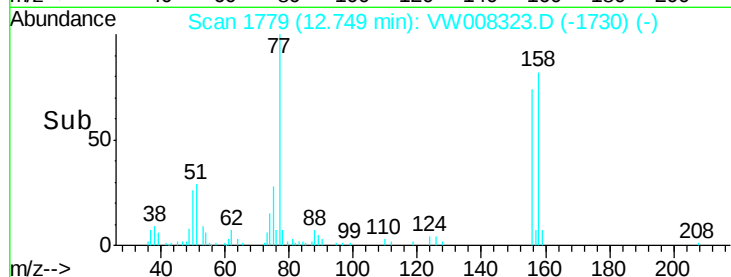
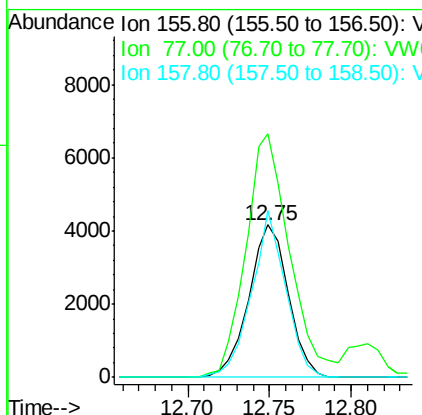
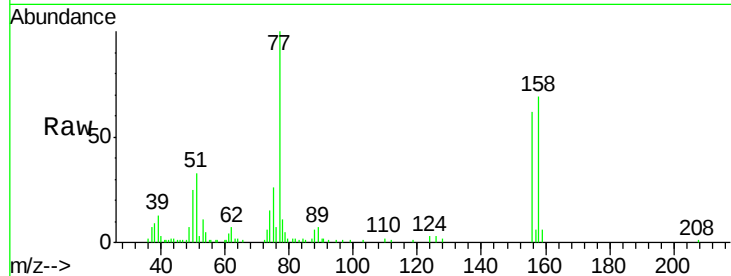
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.0	88.3	264.9
158	94.4	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 4.661 ug/l

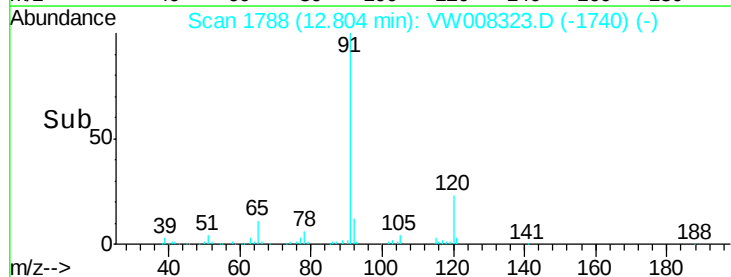
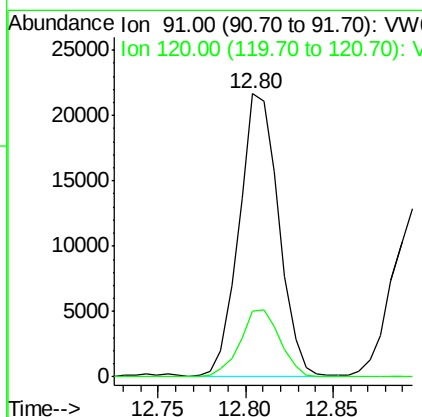
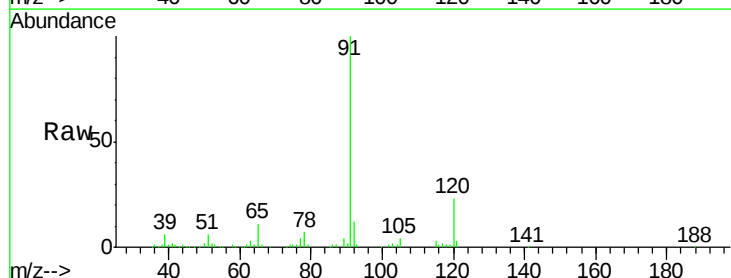
RT: 12.80 min Scan# 1788

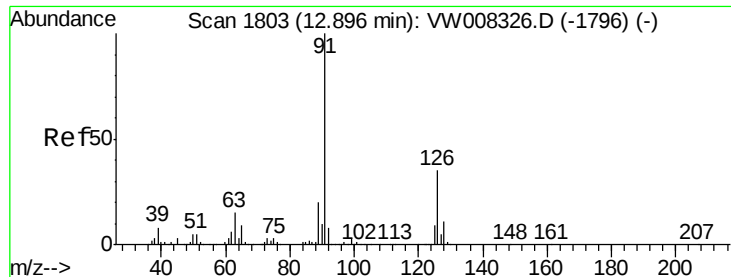
Delta R.T. -0.01 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.7





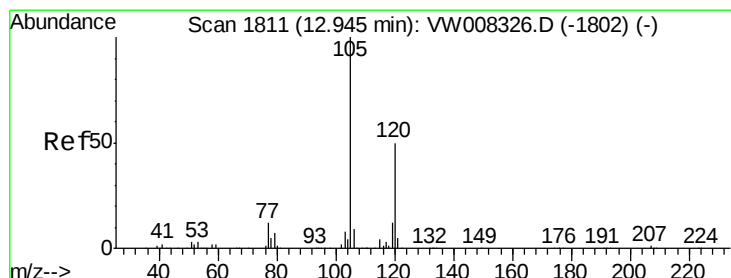
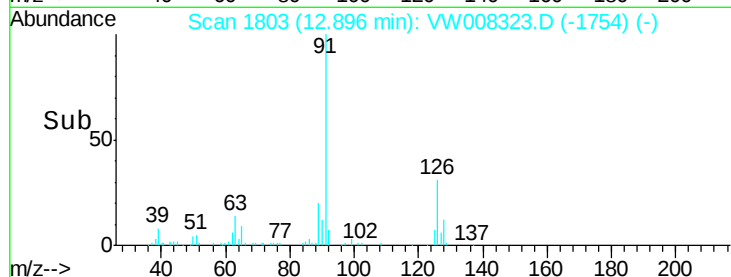
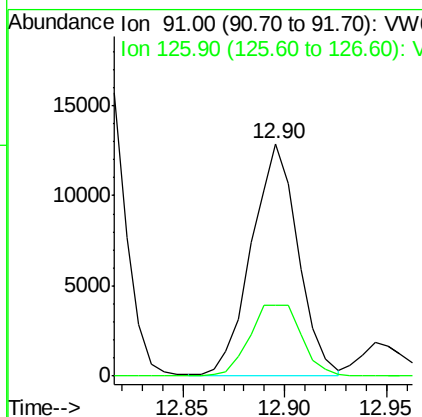
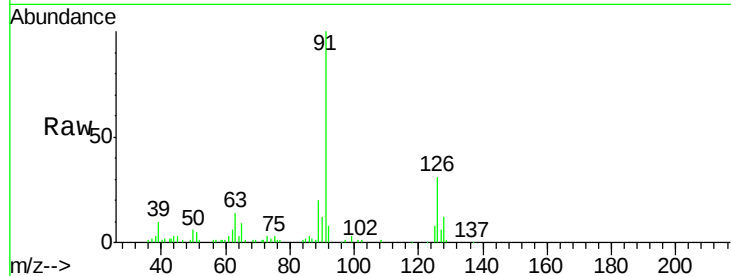
#79
 2-Chlorotoluene
 Concen: 4.901 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 20523
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.5 52.6

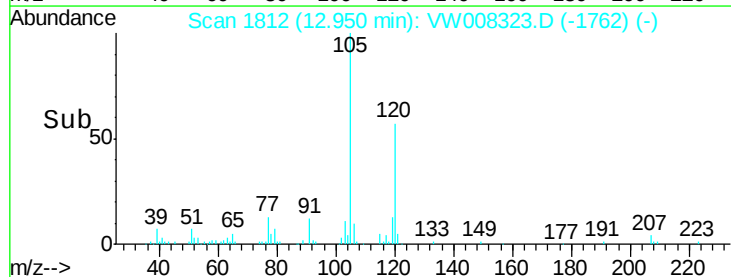
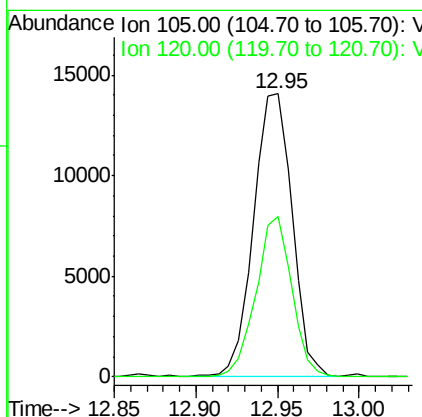
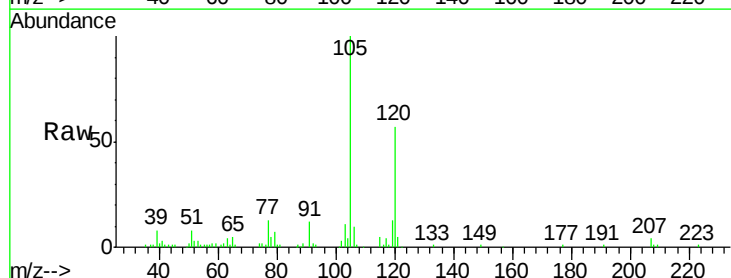
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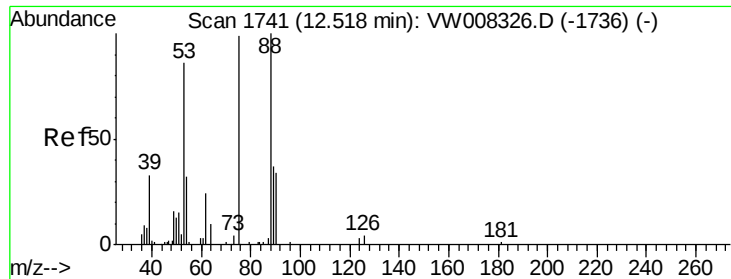
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.594 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion: 105 Resp: 23209
 Ion Ratio Lower Upper
 105 100
 120 52.5 25.6 76.8





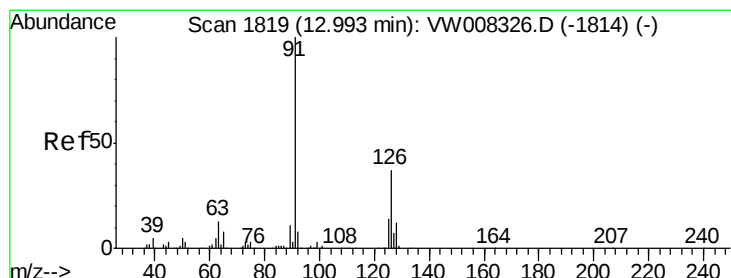
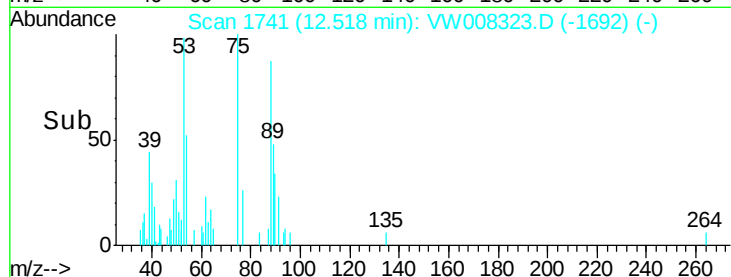
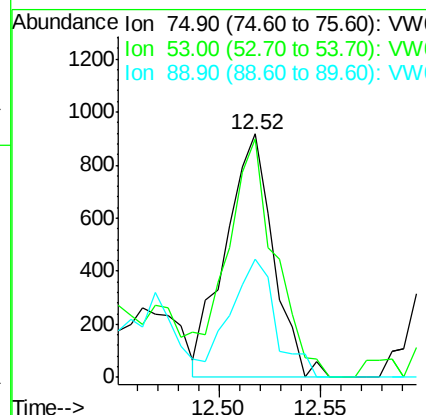
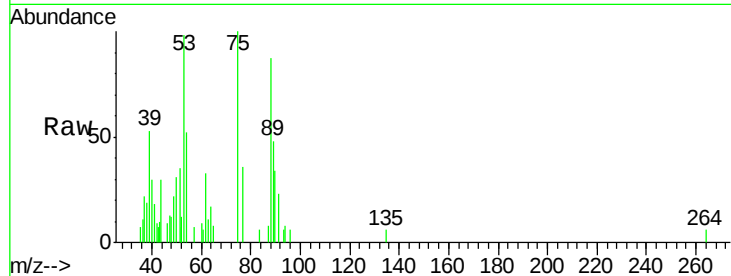
#81
trans-1,4-Dichloro-2-butene
Concen: 4.683 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	76.2	114.4
89	45.7	36.7	55.1

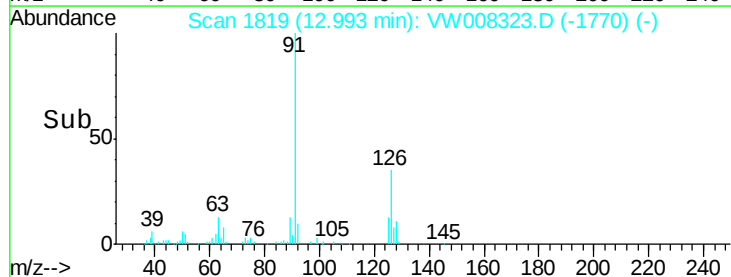
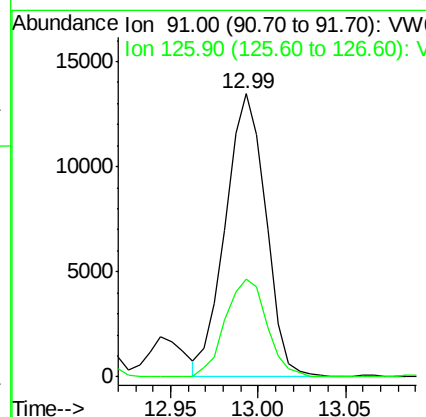
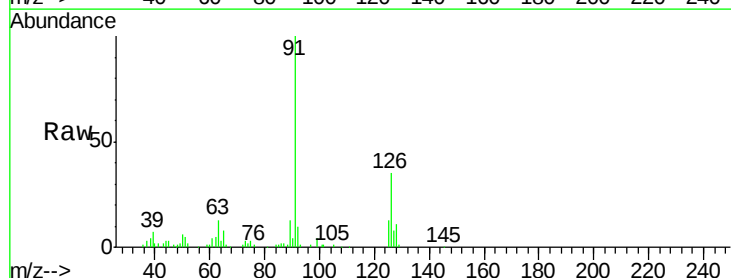
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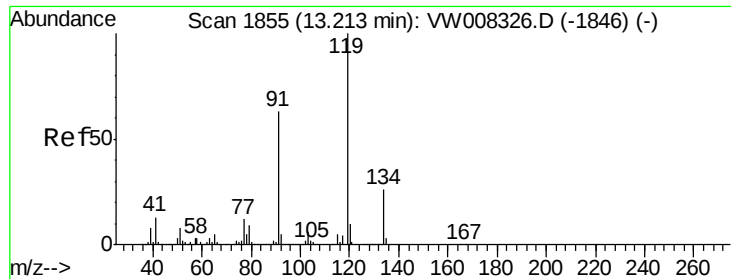
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#82
4-Chlorotoluene
Concen: 4.941 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3





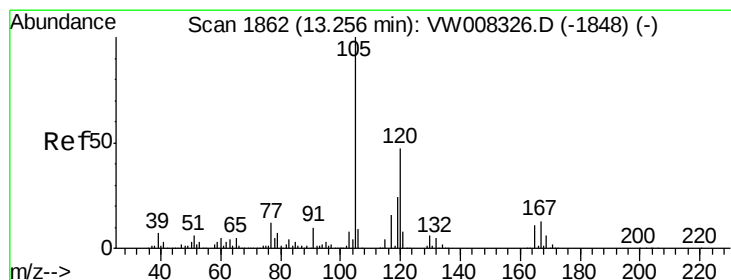
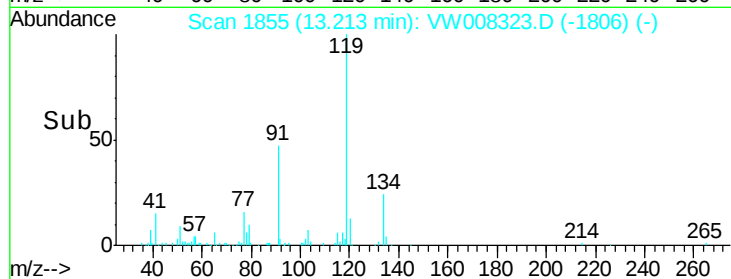
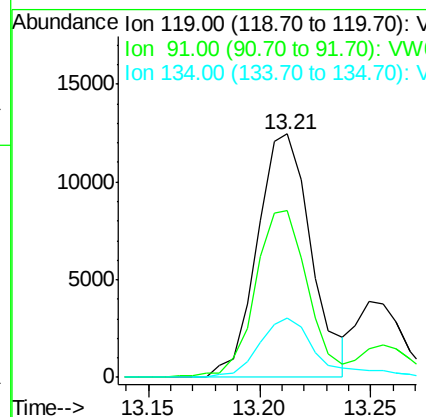
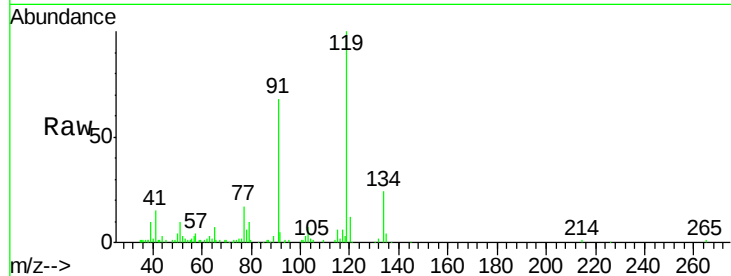
#83
 tert-Butylbenzene
 Concen: 4.740 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.4	97.0
134	26.3	13.9	41.7

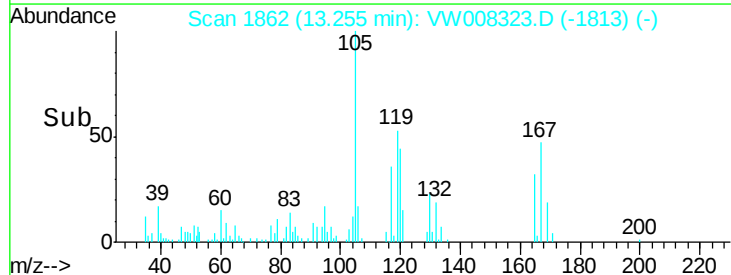
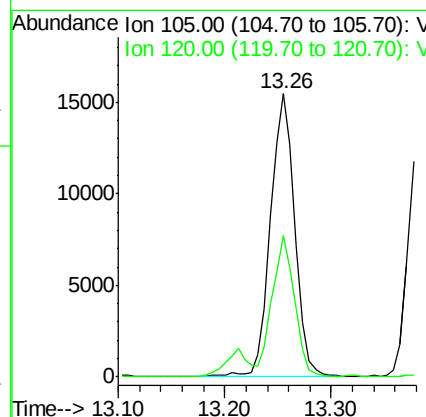
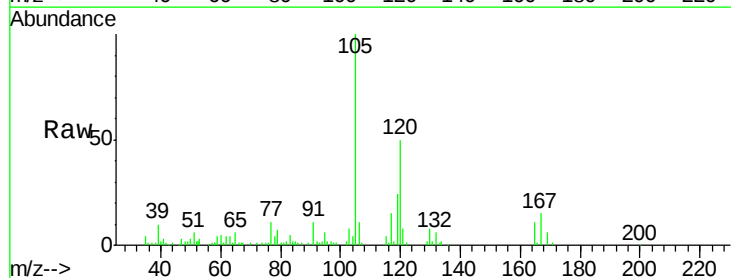
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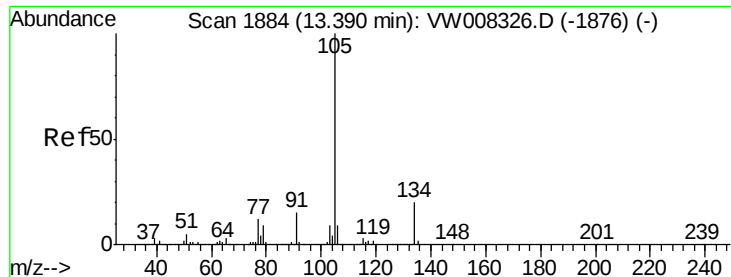
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.821 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.5	70.6





#85

sec-Butylbenzene

Concen: 4.935 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 31509

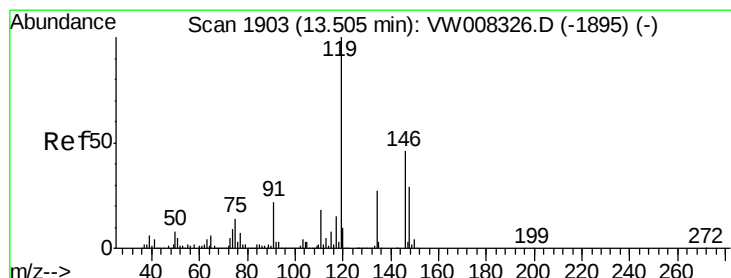
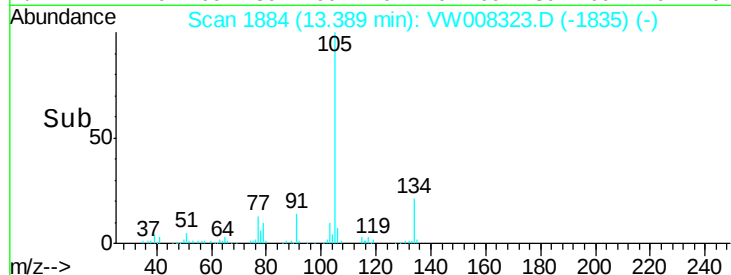
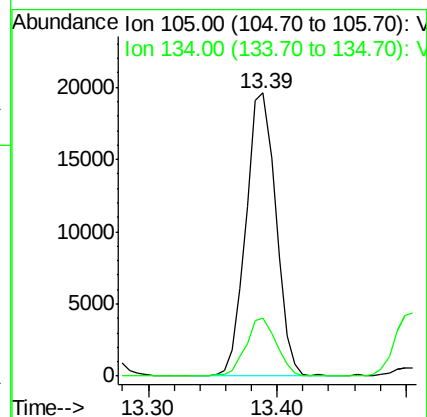
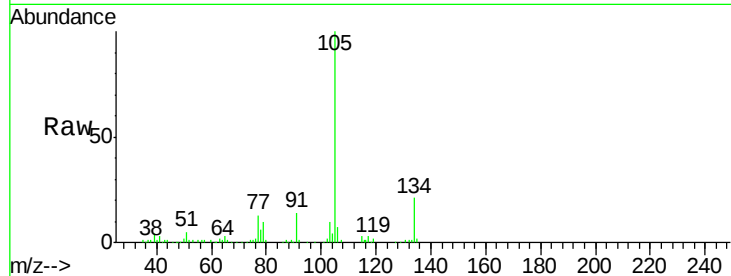
Ion Ratio Lower Upper

105 100

134 20.9 10.1 30.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 4.714 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008323.D

Acq: 17 Jan 2019 12:47

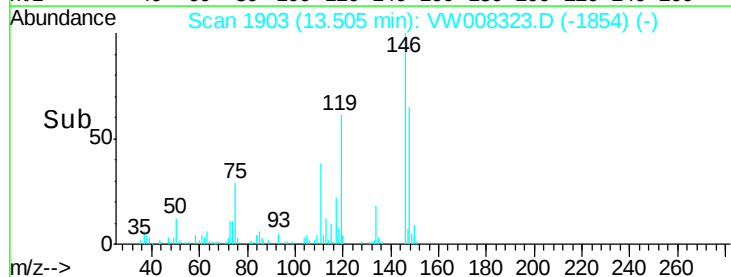
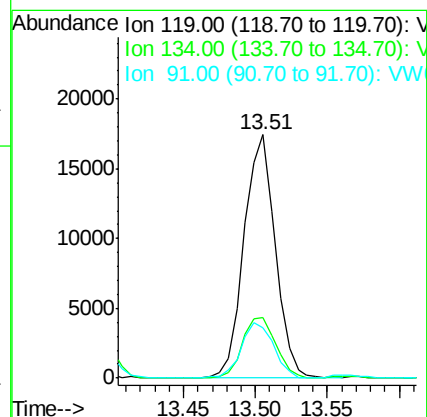
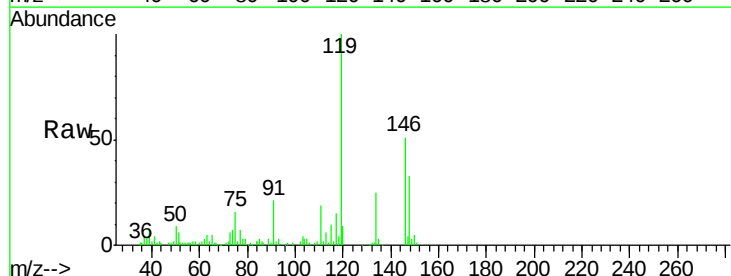
Tgt Ion:119 Resp: 26286

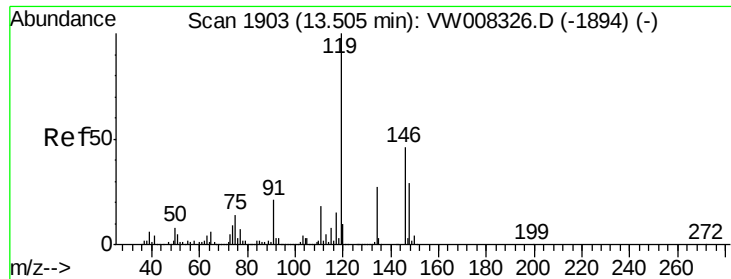
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 23.7 11.4 34.2





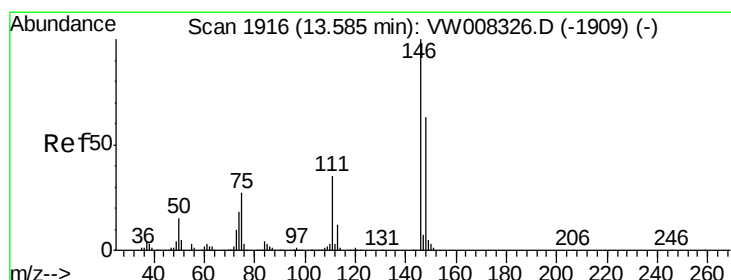
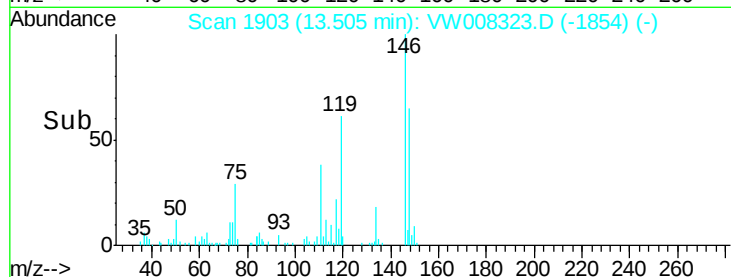
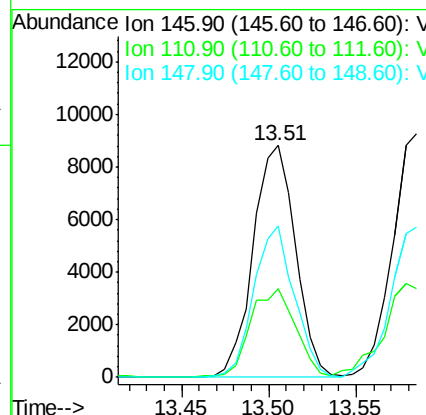
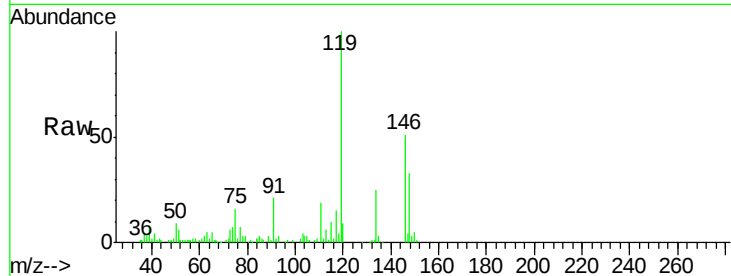
#87
 1,3-Dichlorobenzene
 Concen: 5.142 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	62.3	31.4	94.3

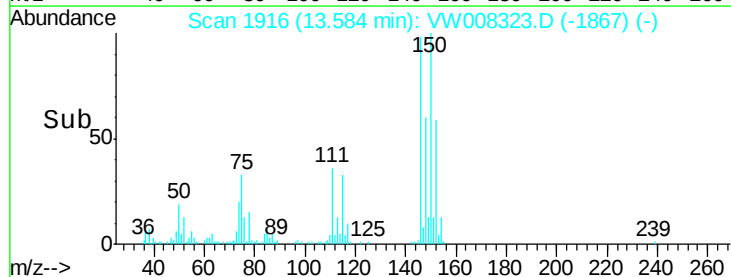
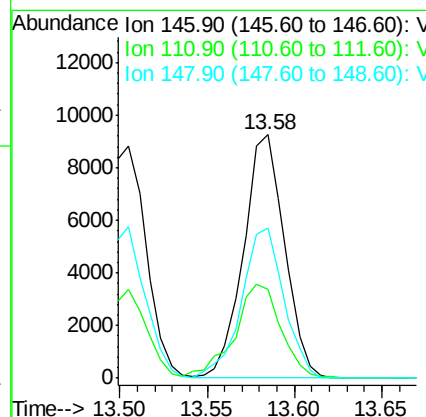
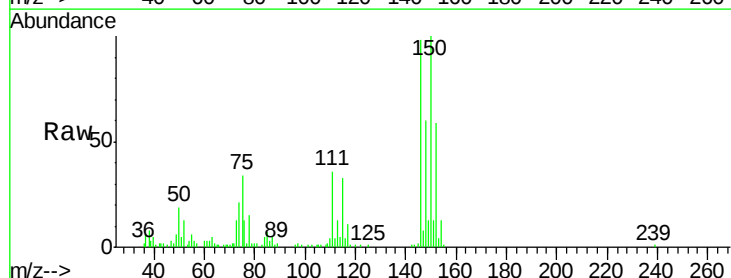
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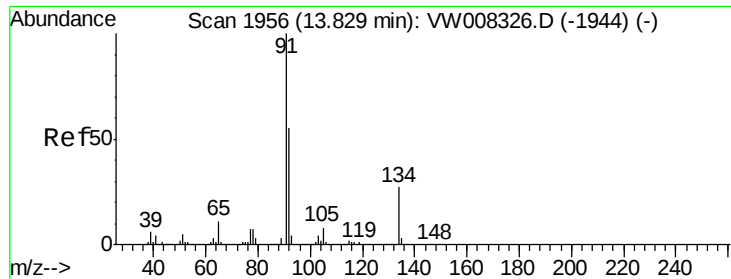
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#88
 1,4-Dichlorobenzene
 Concen: 5.228 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.9	56.5
148	63.4	31.6	94.8





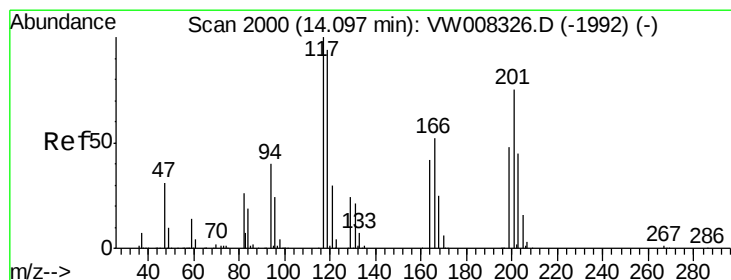
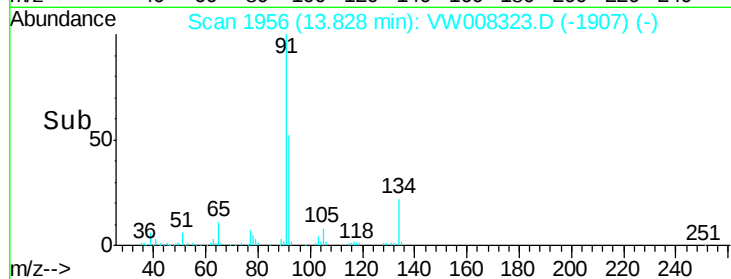
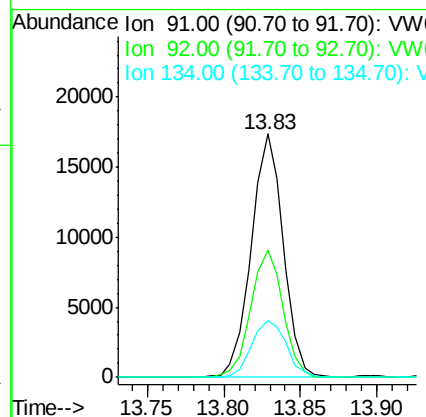
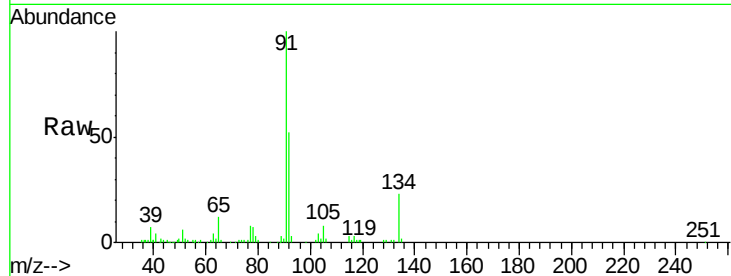
#89
n-Butylbenzene
Concen: 4.726 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.2	81.6
134	25.4	13.4	40.1

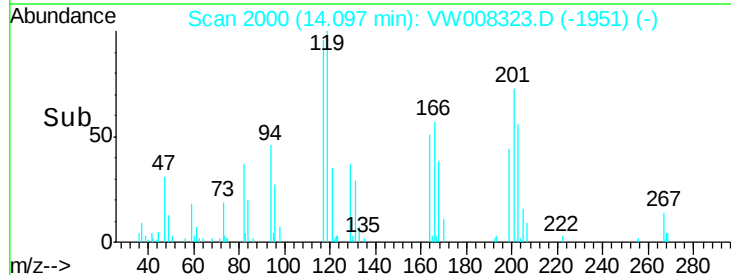
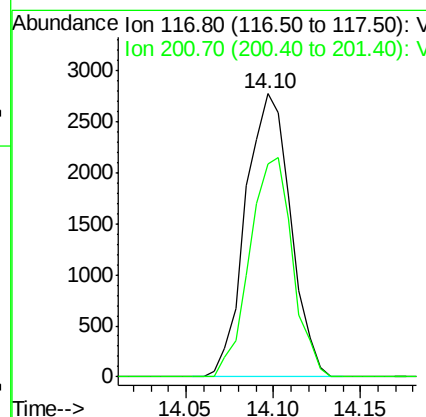
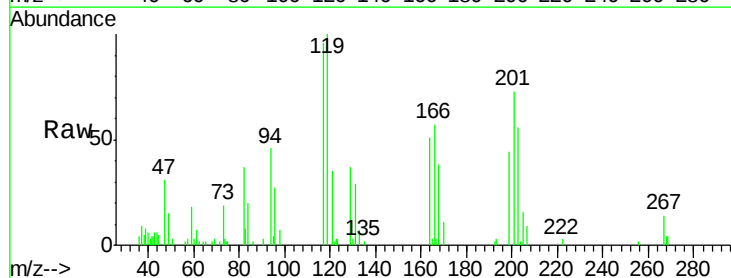
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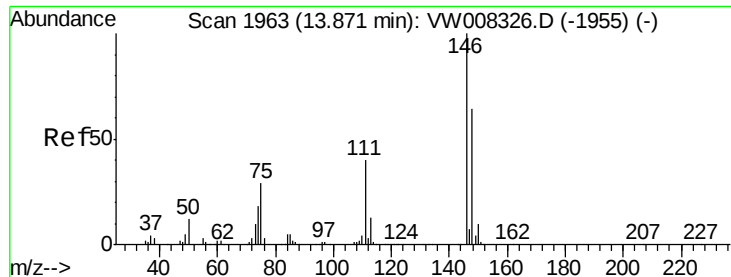
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#90
Hexachloroethane
Concen: 4.841 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	39.3	117.9





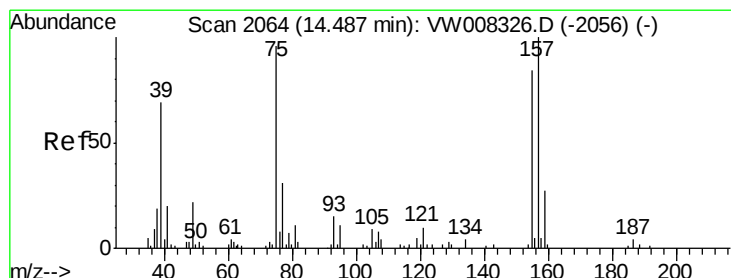
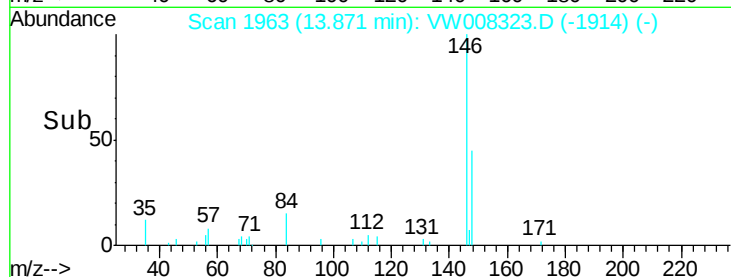
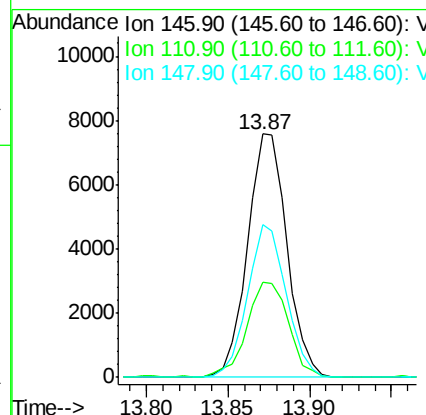
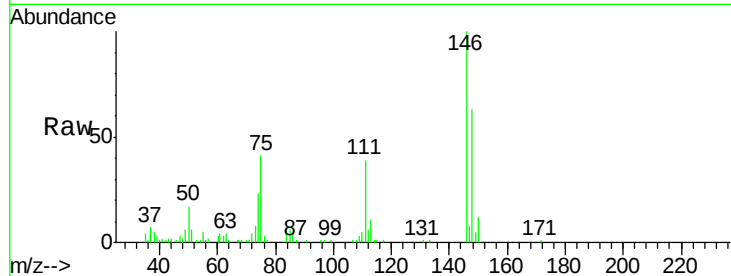
#91
 1,2-Dichlorobenzene
 Concen: 4.983 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.8
148	61.8	31.7	95.1

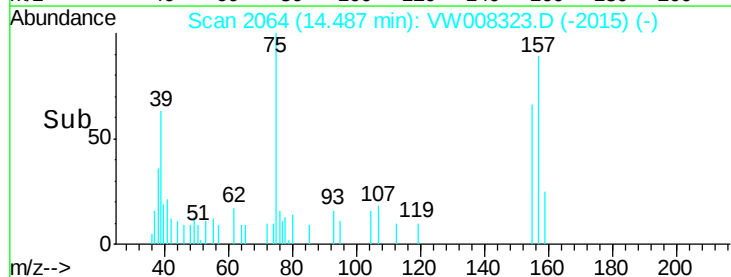
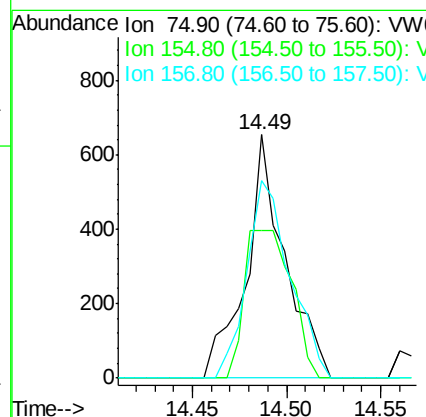
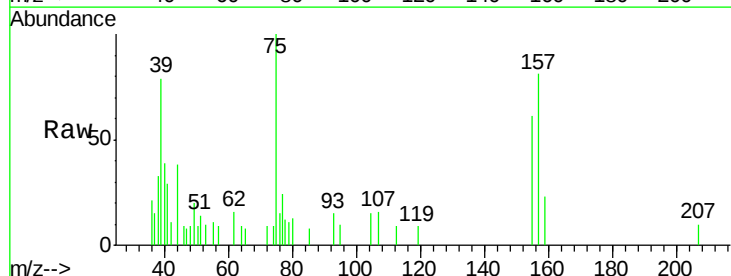
Manual Integrations
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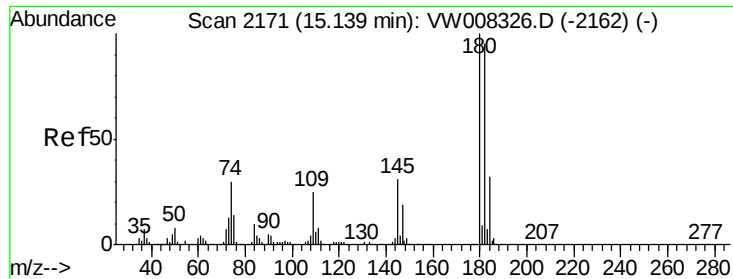
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.552 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	44.7	134.1
157	90.4	53.9	161.8





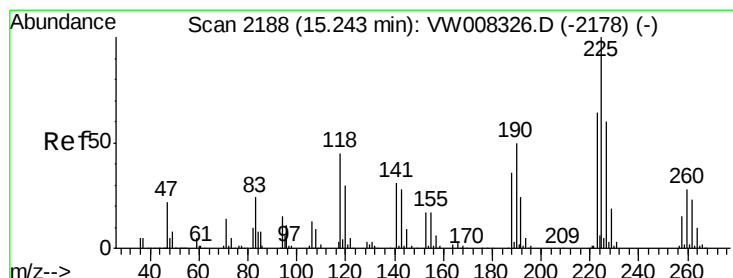
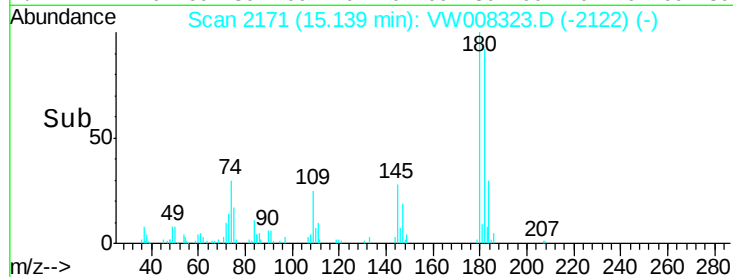
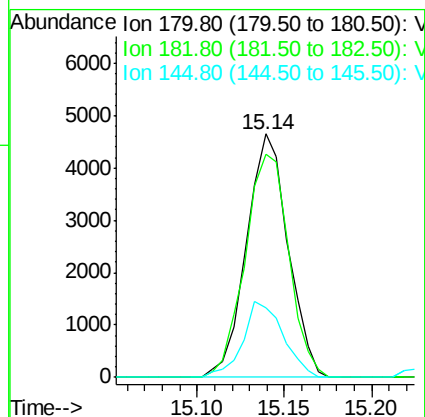
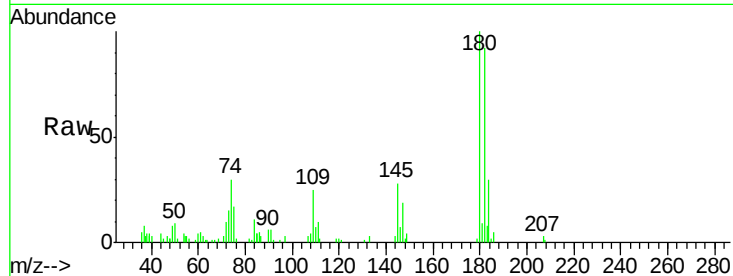
#93
 1,2,4-Trichlorobenzene
 Concen: 4.455 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.8
145	30.0	14.8	44.4

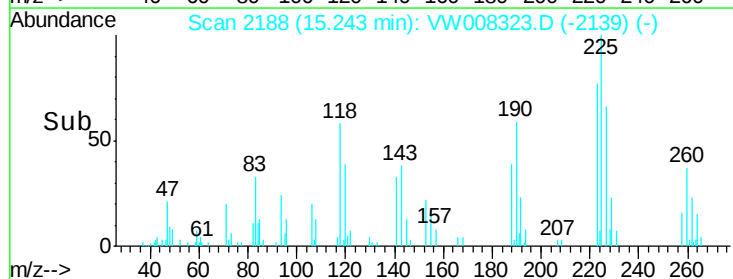
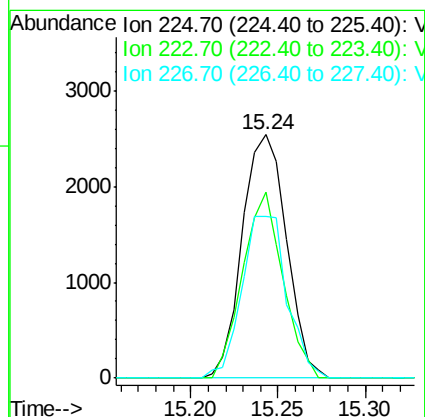
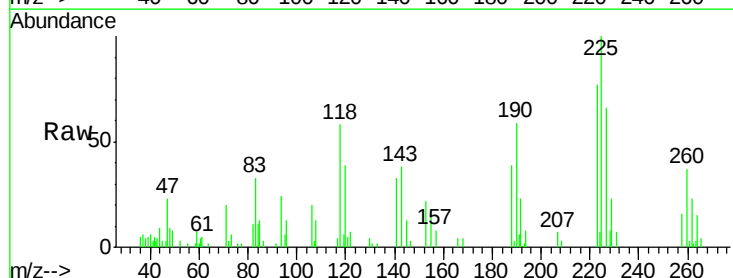
Manual Integrations
 APPROVED

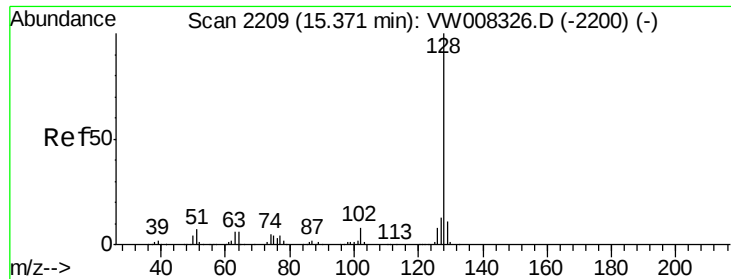
MMDadoda
 1/18/2019 2:09:19 PM



#94
 Hexachlorobutadiene
 Concen: 4.602 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008323.D
 Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.6	31.1	93.3
227	68.3	30.3	90.8





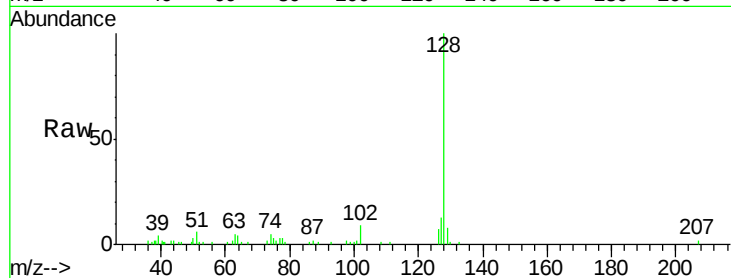
#95
Naphthalene
Concen: 4.040 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

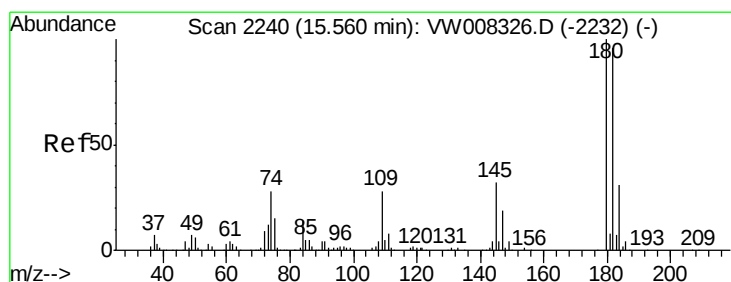
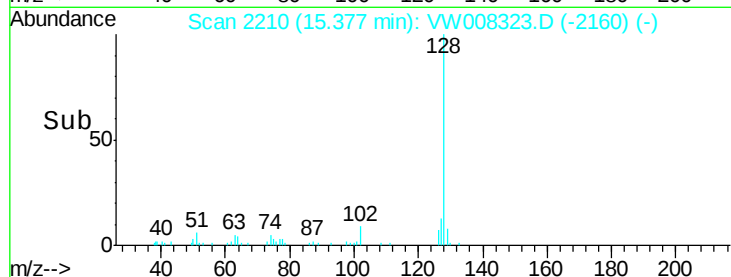
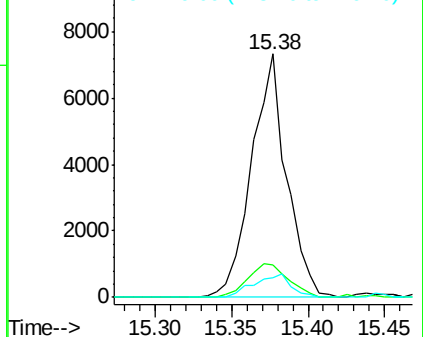
Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.5	15.7#
129	10.0	8.8	13.2

Manual Integrations
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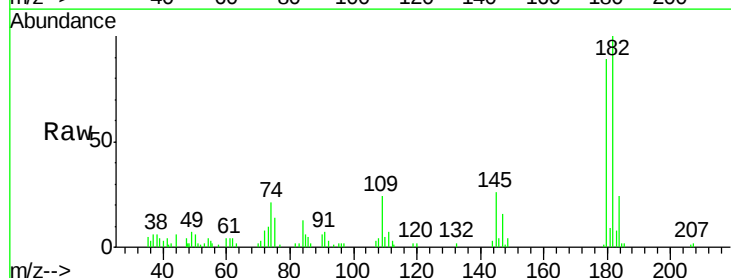


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.703 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008323.D
Acq: 17 Jan 2019 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.0	16.2	48.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

