

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007412.D
 Acq On : 12 Dec 2018 00:29
 Operator : SY/AP
 Sample : VW1213SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Manual Integrations
 APPROVED

apatel
 12/19/2018 8:42:03 AM

Quant Time: Dec 12 05:57:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	139600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	50513	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.88	113	46544	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	10.32	98	176737	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
62) 4-Bromofluorobenzene	12.62	95	68418	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13783	23.896	ug/l	97
3) Chloromethane	2.21	50	10178	21.070	ug/l	96
4) Vinyl Chloride	2.37	62	12123	21.385	ug/l	99
5) Bromomethane	2.78	94	7655	20.098	ug/l	88
6) Chloroethane	2.92	64	6358	20.375	ug/l #	85
7) Trichlorofluoromethane	3.26	101	10024	19.668	ug/l	99
8) Diethyl Ether	3.68	74	8711	21.838	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17038	20.260	ug/l	98
10) Methyl Iodide	4.26	142	29314	21.047	ug/l	99
11) Tert butyl alcohol	5.17	59	7318	116.363	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	17070	21.082	ug/l	96
13) Acrolein	3.89	56	4523	108.691	ug/l	99
14) Allyl chloride	4.66	41	24588	20.602	ug/l	99
15) Acrylonitrile	5.36	53	17577	104.526	ug/l	99
16) Acetone	4.12	43	16583	103.679	ug/l	100
17) Carbon Disulfide	4.37	76	51955	21.163	ug/l	98
18) Methyl Acetate	4.67	43	9410	21.676	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	25311	20.722	ug/l	94
20) Methylene Chloride	4.91	84	20070	20.646	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	19161	21.155	ug/l	95
22) Diisopropyl ether	6.31	45	49060	21.386	ug/l	99
23) Vinyl Acetate	6.26	43	131693	102.633	ug/l	99
24) 1,1-Dichloroethane	6.21	63	33163	21.389	ug/l	97
25) 2-Butanone	7.18	43	21477	102.854	ug/l	94
26) 2,2-Dichloropropane	7.17	77	20824	20.294	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	20953	21.127	ug/l	96
28) Bromochloromethane	7.51	49	12004	20.583	ug/l	99
29) Tetrahydrofuran	7.53	42	13356	101.036	ug/l	96
30) Chloroform	7.67	83	35067	20.783	ug/l	99
31) Cyclohexane	7.95	56	28816	20.257	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	30802	20.817	ug/l	98
36) 1,1-Dichloropropene	8.08	75	26854	21.087	ug/l	98
37) Ethyl Acetate	7.26	43	10191	21.516	ug/l	97
38) Carbon Tetrachloride	8.07	117	29550	21.326	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32645	21.170	ug/l	91
40) Benzene	8.32	78	76083	21.528	ug/l	97
41) Methacrylonitrile	7.48	41	6357	23.569	ug/l	89
42) 1,2-Dichloroethane	8.40	62	23785	21.425	ug/l	99
43) Isopropyl Acetate	8.43	43	19329	20.659	ug/l	97
44) Trichloroethene	9.09	130	21597	21.400	ug/l	96
45) 1,2-Dichloropropane	9.37	63	18045	22.064	ug/l	97
46) Dibromomethane	9.46	93	10279	22.132	ug/l	96
47) Bromodichloromethane	9.65	83	26035	21.371	ug/l	93
48) Methyl methacrylate	9.43	41	9697	20.181	ug/l	96
49) 1,4-Dioxane	9.45	88	3511	465.907	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	46336	104.815	ug/l	98
52) Toluene	10.39	92	50558	22.106	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	25642	21.681	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29277	21.414	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14256	22.553	ug/l	94
56) Ethyl methacrylate	10.65	69	16483	21.695	ug/l	98
57) 1,3-Dichloropropane	10.93	76	23828	22.967	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	34758	99.206	ug/l	99
59) 2-Hexanone	10.97	43	31988	108.516	ug/l	100
60) Dibromochloromethane	11.13	129	17614	22.081	ug/l	95
61) 1,2-Dibromoethane	11.24	107	14185	22.708	ug/l	93
64) Tetrachloroethene	10.87	164	18958	20.746	ug/l	91
65) Chlorobenzene	11.66	112	56905	21.485	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	20104	21.551	ug/l	98
67) Ethyl Benzene	11.73	91	100334	22.033	ug/l	94
68) m/p-Xylenes	11.84	106	76514	43.221	ug/l	100
69) o-Xylene	12.17	106	35617	21.542	ug/l	96
70) Styrene	12.18	104	60748	22.748	ug/l	98
71) Bromoform	12.35	173	9609	20.125	ug/l #	100
73) Isopropylbenzene	12.47	105	99441	20.395	ug/l	98
74) N-amyl acetate	12.27	43	18110	20.437	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	14784	20.472	ug/l	91
76) 1,2,3-Trichloropropane	12.77	75	12124m	23.108	ug/l	
77) Bromobenzene	12.75	156	22854	21.146	ug/l	97
78) n-propylbenzene	12.80	91	118236	21.548	ug/l	100
79) 2-Chlorotoluene	12.90	91	68165	20.531	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	86039	21.001	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	4472	18.829	ug/l	96
82) 4-Chlorotoluene	12.99	91	73672	21.050	ug/l	96
83) tert-Butylbenzene	13.21	119	74908	20.751	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	89606	21.255	ug/l	98
85) sec-Butylbenzene	13.39	105	104983	21.304	ug/l	95
86) p-Isopropyltoluene	13.51	119	94678	21.386	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45310	21.027	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	46273	21.360	ug/l	98
89) n-Butylbenzene	13.83	91	87427	21.302	ug/l	98
90) Hexachloroethane	14.10	117	16492	20.937	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	41809	21.663	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2890	19.942	ug/l	95

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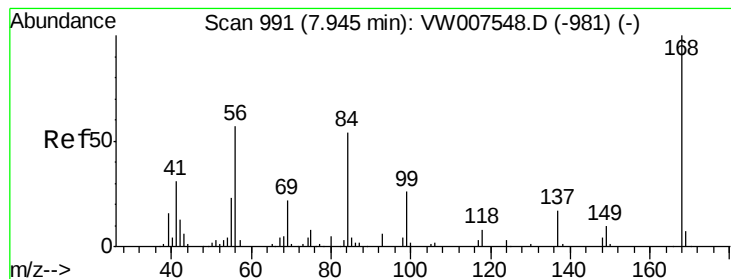
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	28505	21.461	ug/l	96
94) Hexachlorobutadiene	15.24	225	14607	20.727	ug/l	98
95) Naphthalene	15.37	128	52335	20.597	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	24192	20.968	ug/l	96

(#) = 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. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 168 Resp: 82539

Ion Ratio Lower Upper

168 100

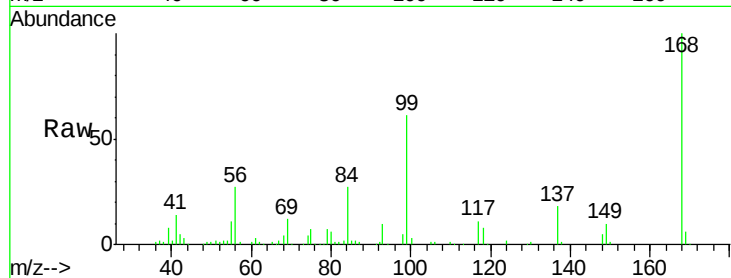
99 61.5 48.3 72.5

Manual Integrations

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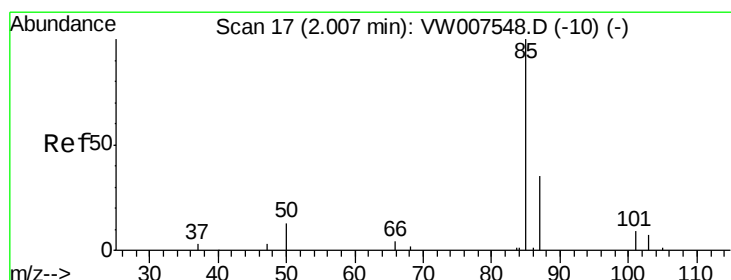
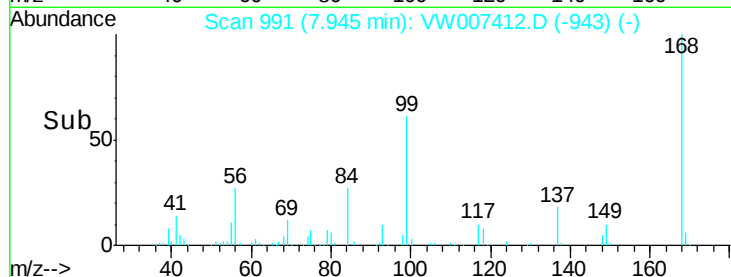
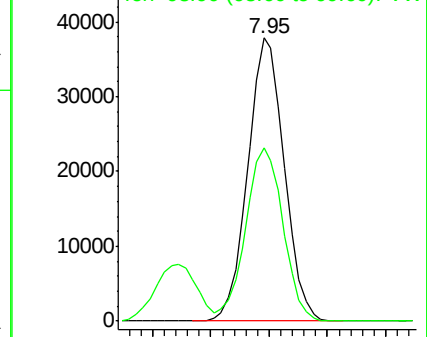
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.896 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007412.D

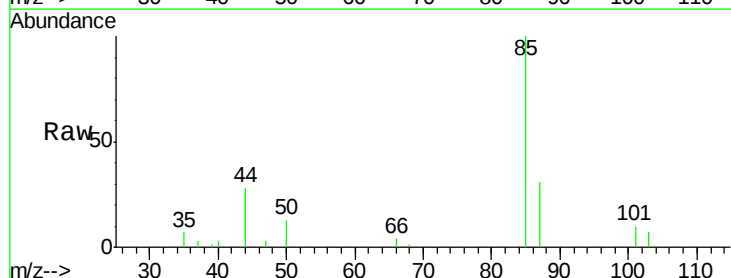
Acq: 12 Dec 2018 00:29

Tgt Ion: 85 Resp: 13783

Ion Ratio Lower Upper

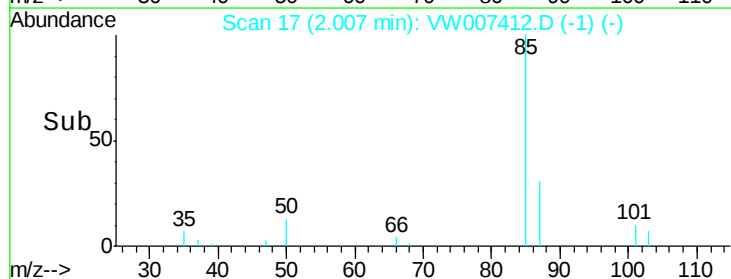
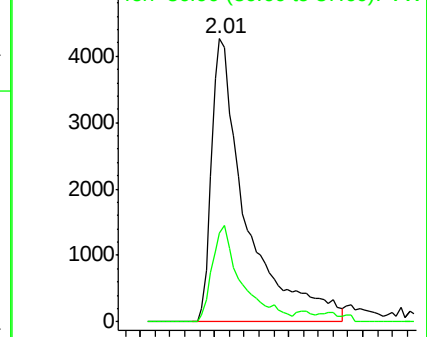
85 100

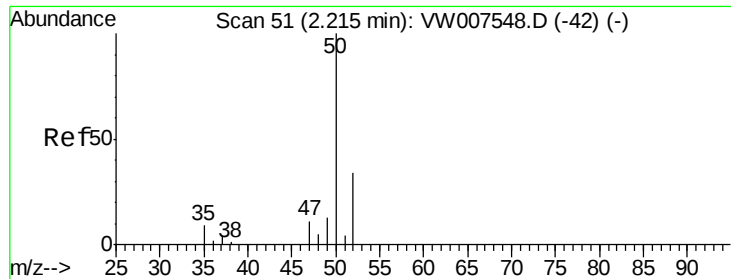
87 31.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.070 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 50 Resp: 10178

Ion Ratio Lower Upper

50 100

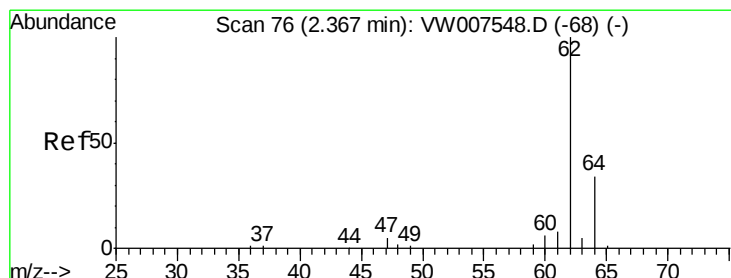
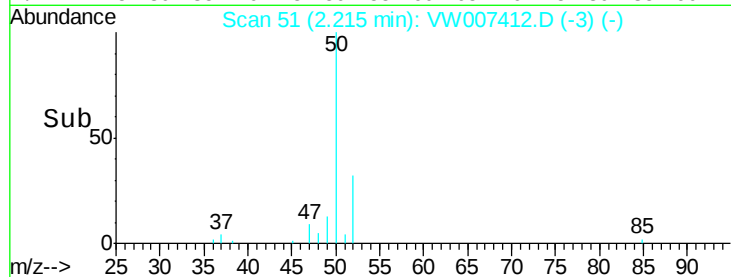
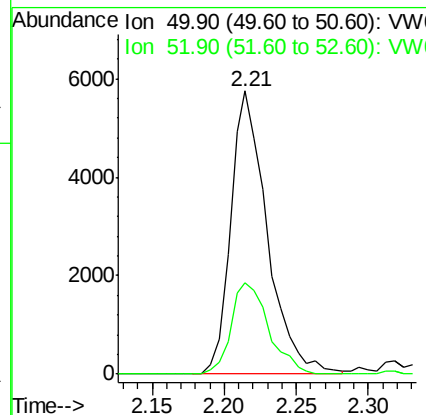
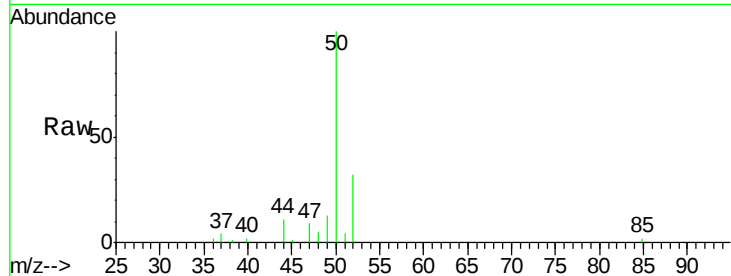
52 32.2 27.4 41.0

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#4

Vinyl Chloride

Concen: 21.385 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007412.D

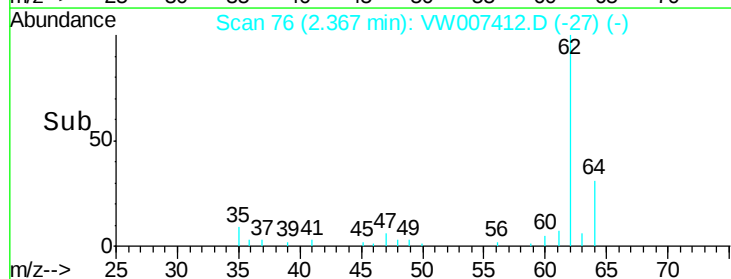
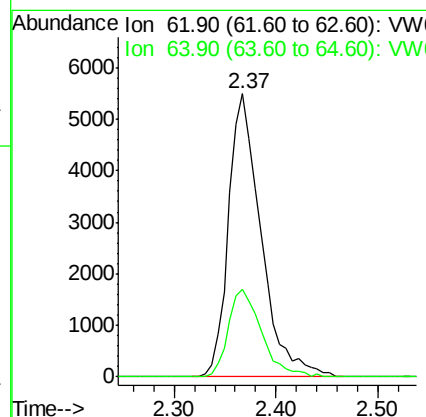
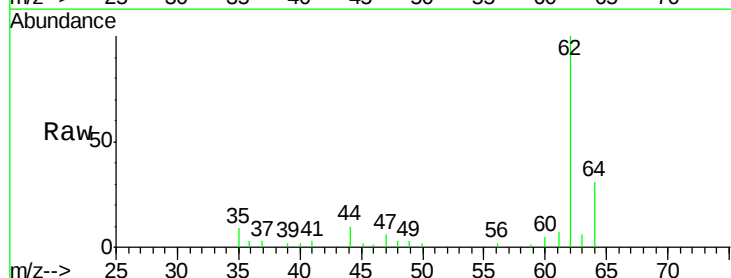
Acq: 12 Dec 2018 00:29

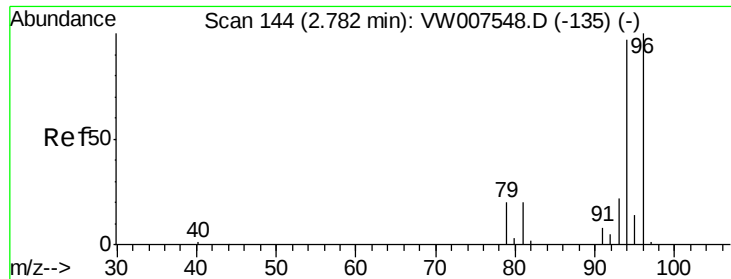
Tgt Ion: 62 Resp: 12123

Ion Ratio Lower Upper

62 100

64 31.1 24.6 37.0





#5

Bromomethane

Concen: 20.098 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 94 Resp: 7655

Ion Ratio Lower Upper

94 100

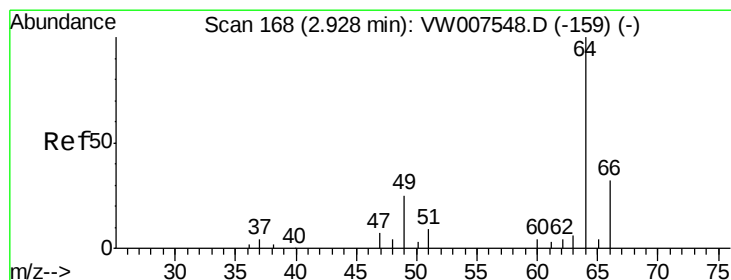
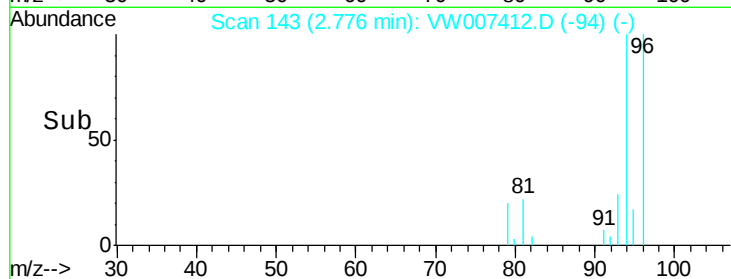
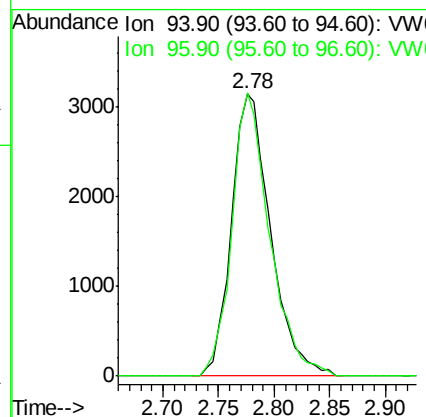
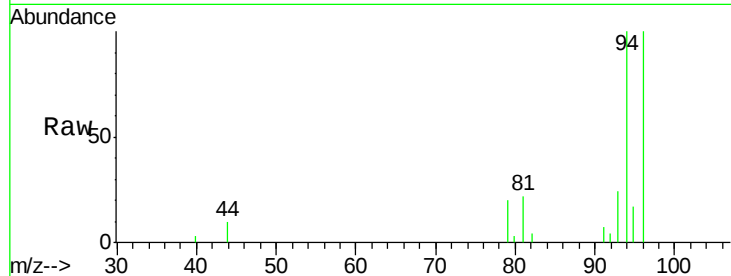
96 100.1 71.0 106.4

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#6

Chloroethane

Concen: 20.375 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007412.D

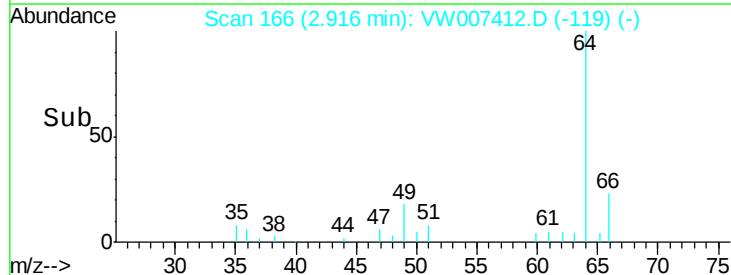
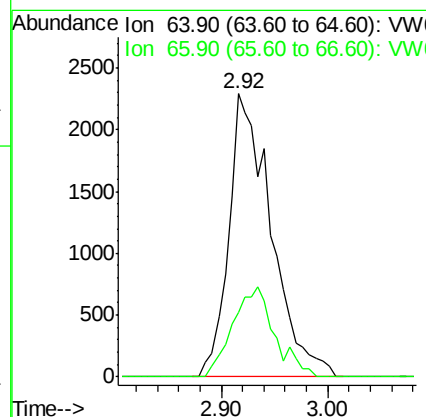
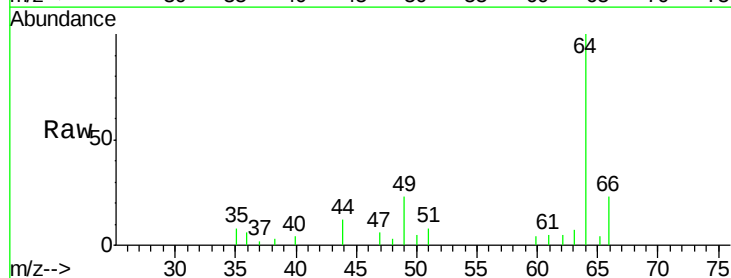
Acq: 12 Dec 2018 00:29

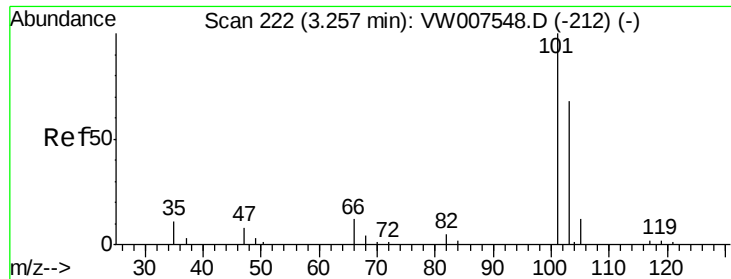
Tgt Ion: 64 Resp: 6358

Ion Ratio Lower Upper

64 100

66 22.8 24.6 37.0#





#7

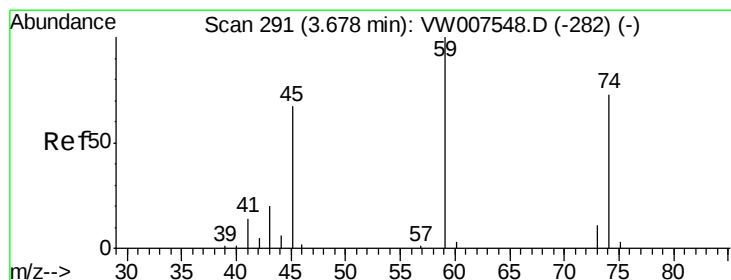
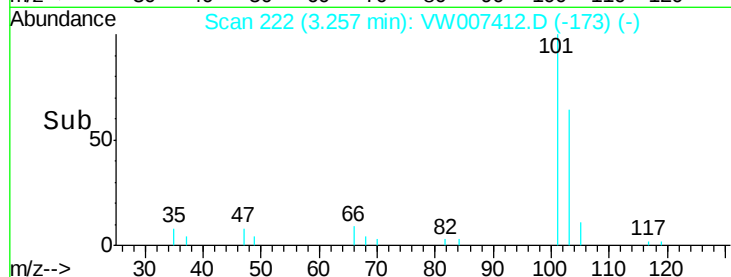
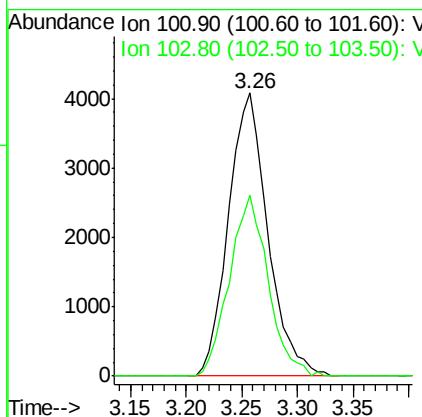
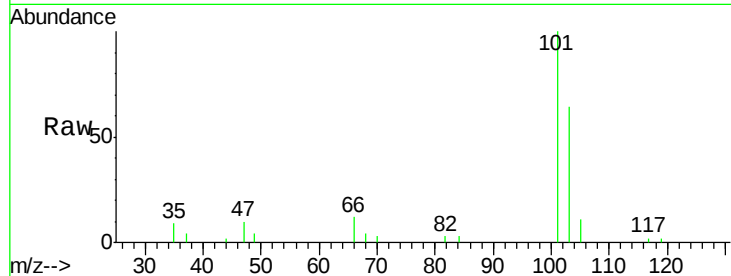
Trichlorofluoromethane
 Concen: 19.668 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

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 VW1213SBS01

Tgt Ion: 101 Resp: 10024
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.7 77.5

Manual Integrations
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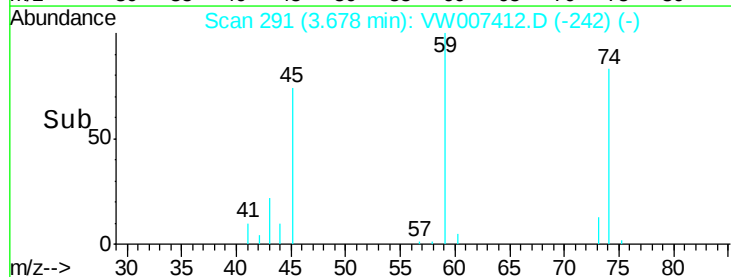
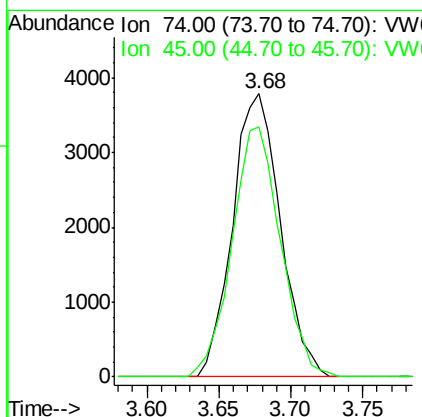
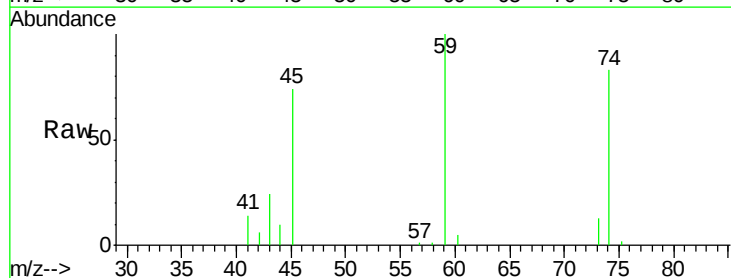
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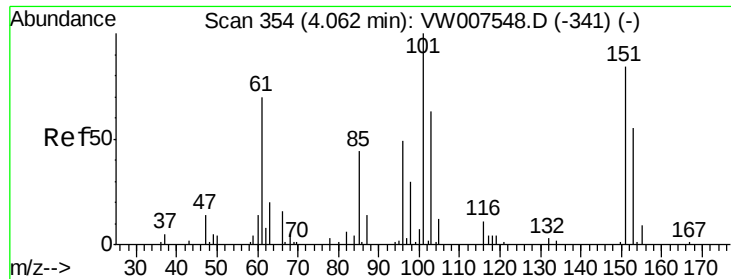


#8

Diethyl Ether
 Concen: 21.838 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 74 Resp: 8711
 Ion Ratio Lower Upper
 74 100
 45 89.4 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.260 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

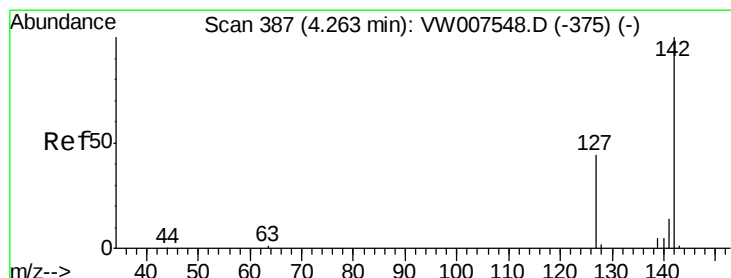
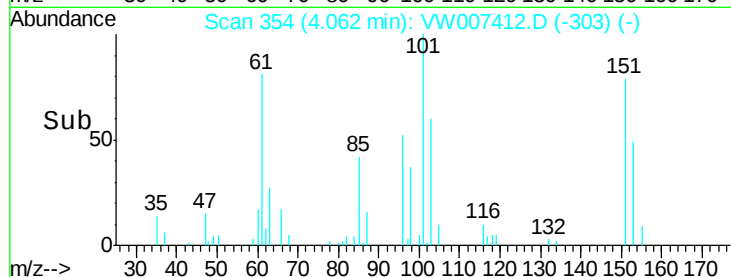
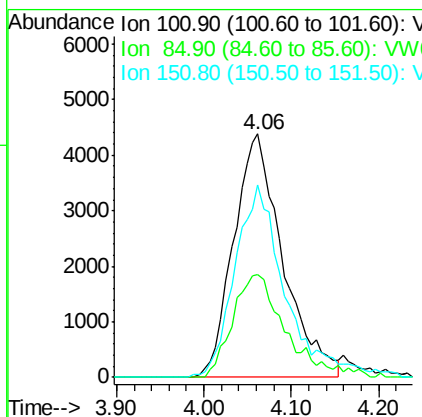
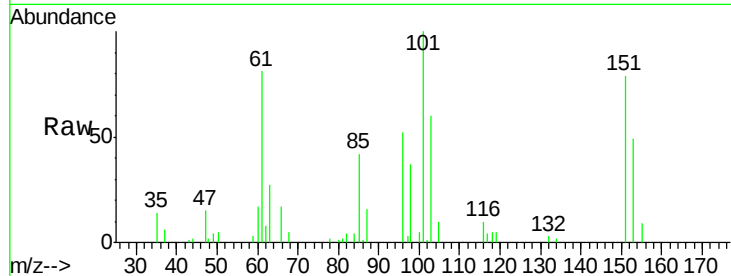
ClientSampleId :

VW1213SBS01

Tgt Ion:	101	Resp:	17038
Ion Ratio	Lower	Upper	
101	100		
85	45.6	33.9	50.9
151	80.3	63.7	95.5

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#10

Methyl Iodide

Concen: 21.047 ug/l

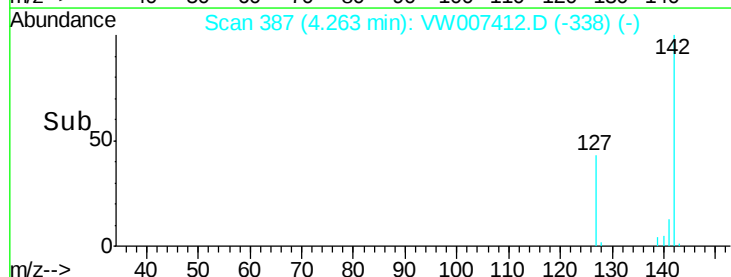
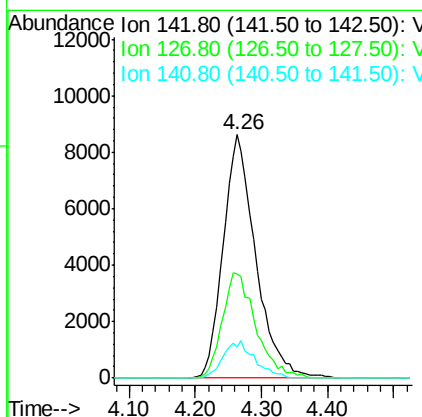
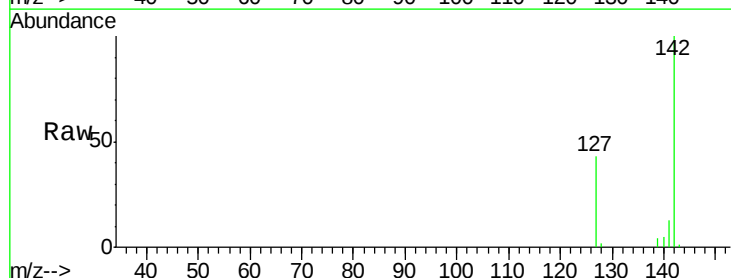
RT: 4.26 min Scan# 387

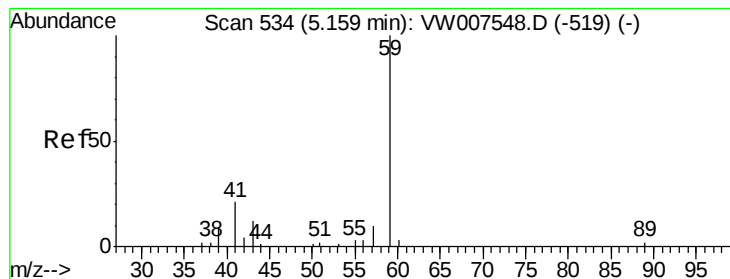
Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion:	142	Resp:	29314
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.8	53.6
141	14.7	11.1	16.7





#11

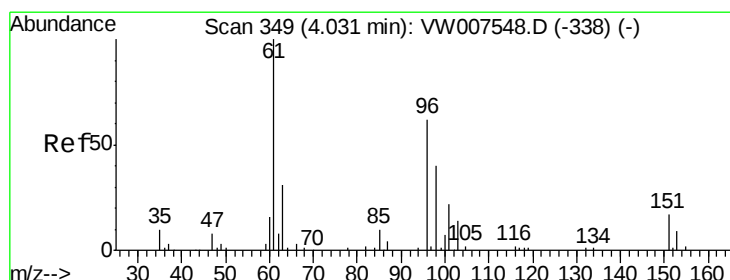
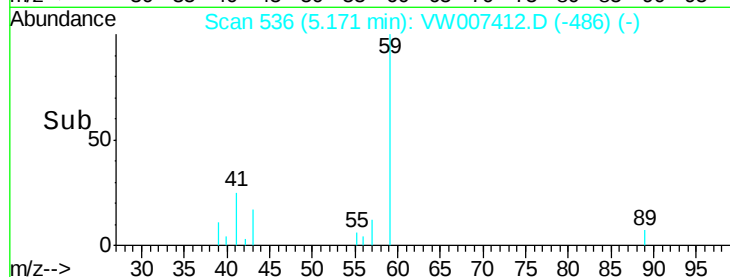
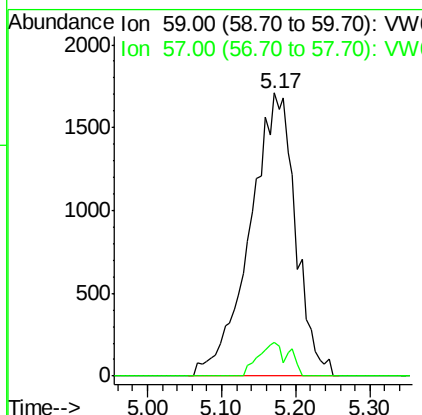
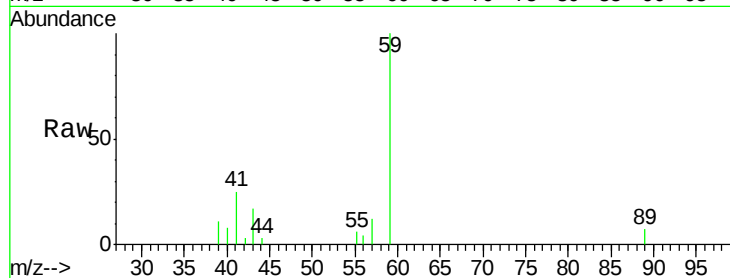
Tert butyl alcohol
 Concen: 116.363 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion: 59 Resp: 7318
 Ion Ratio Lower Upper
 59 100
 57 5.9 7.6 11.4#

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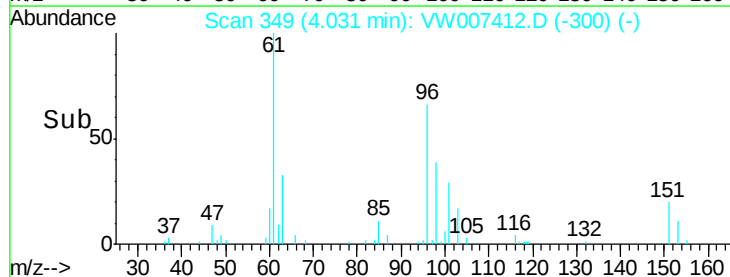
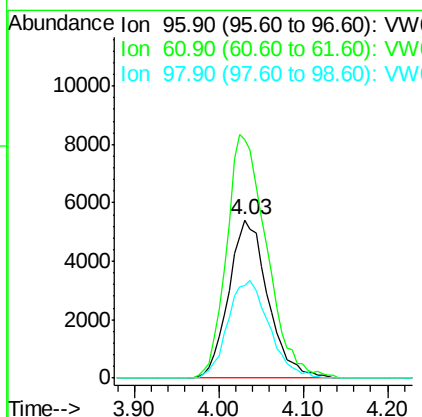
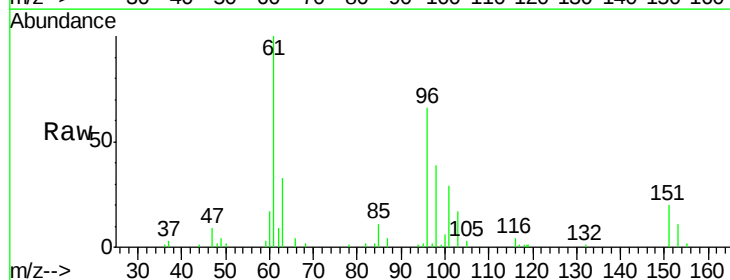
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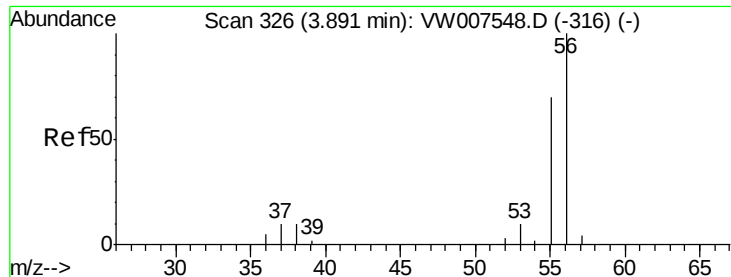


#12

1,1-Dichloroethene
 Concen: 21.082 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 96 Resp: 17070
 Ion Ratio Lower Upper
 96 100
 61 151.2 126.2 189.2
 98 58.3 48.3 72.5





#13

Acrolein

Concen: 108.691 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 56 Resp: 4523

Ion Ratio Lower Upper

56 100

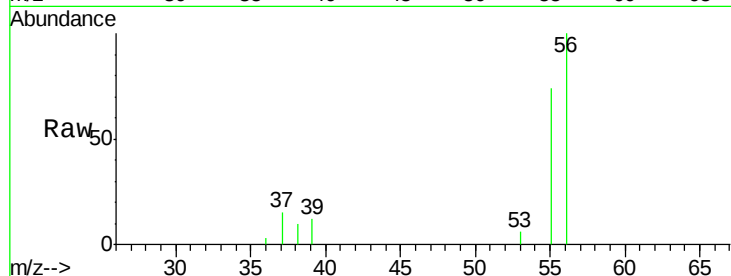
55 72.3 57.4 86.2

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

2000

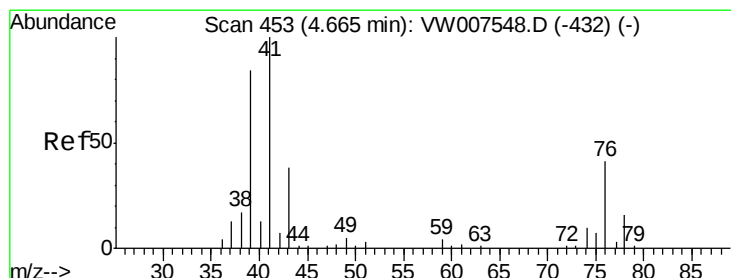
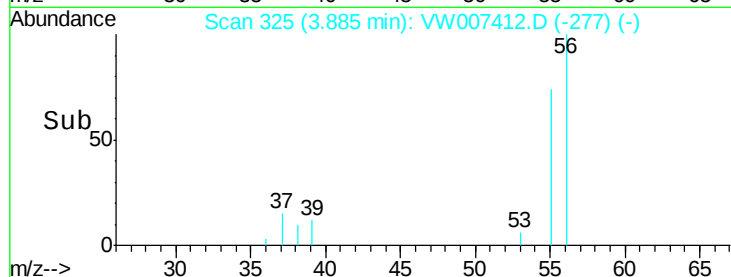
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 20.602 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

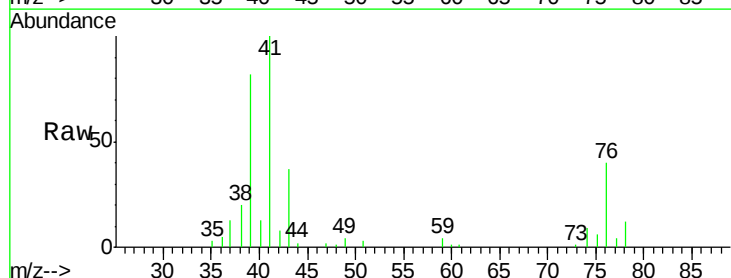
Tgt Ion: 41 Resp: 24588

Ion Ratio Lower Upper

41 100

39 80.2 63.4 95.2

76 40.0 32.1 48.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.66

10000

8000

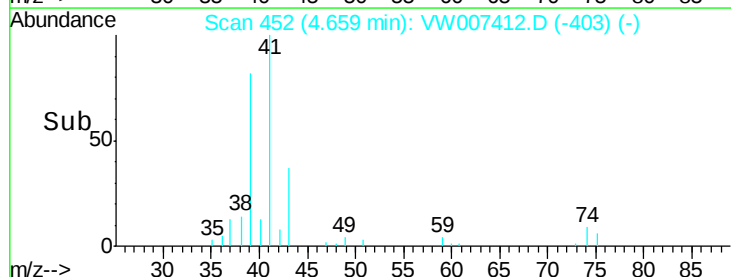
6000

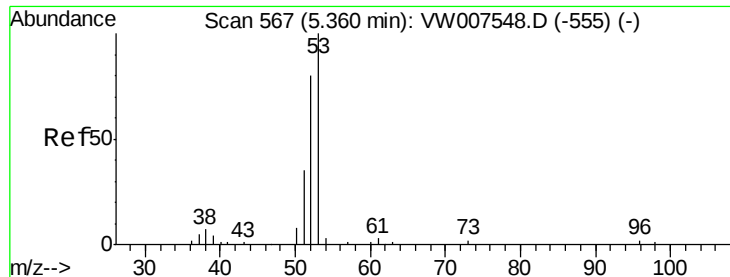
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 104.526 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

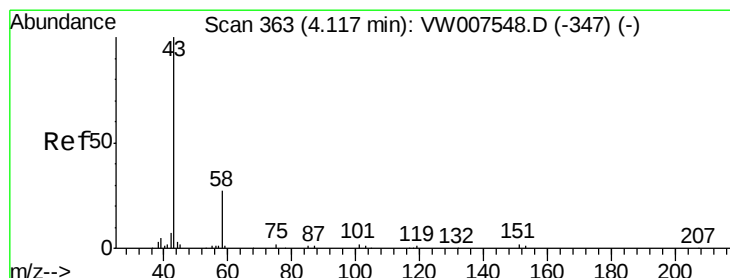
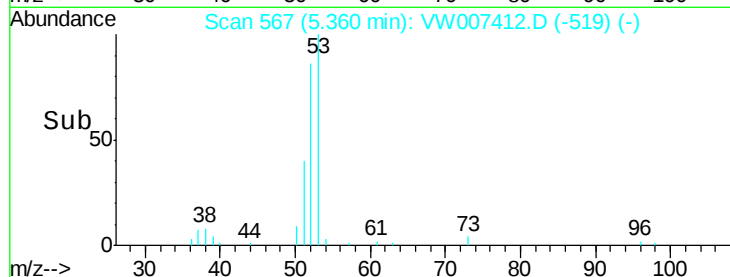
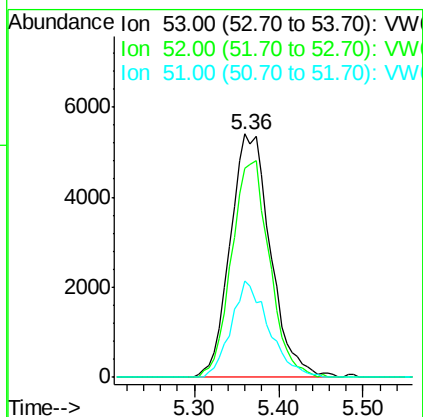
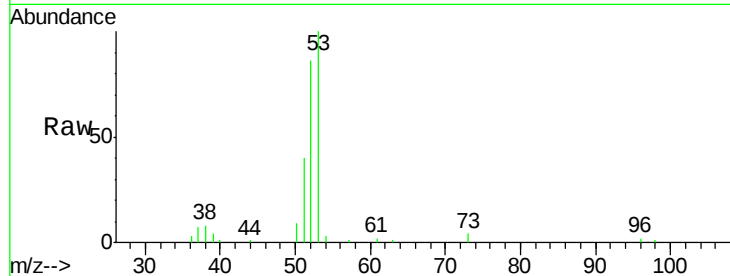
ClientSampleId :

VW1213SBS01

Tgt Ion:	53	Resp:	17577
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.4	101.2
51	36.9	30.2	45.2

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#16

Acetone

Concen: 103.679 ug/l

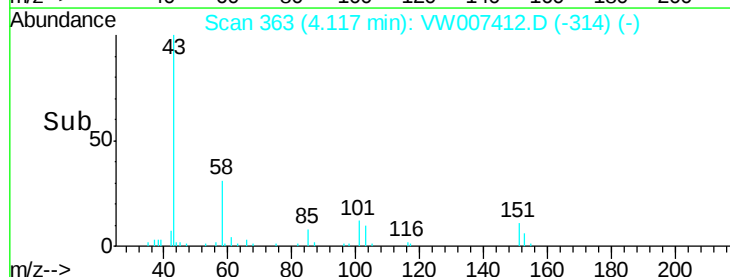
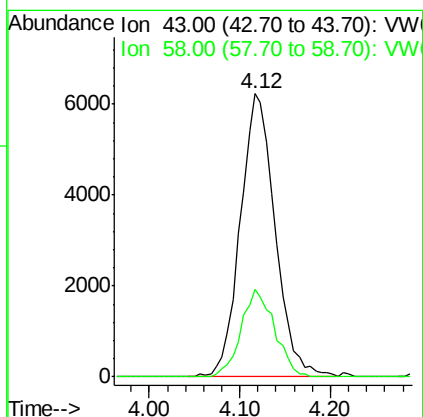
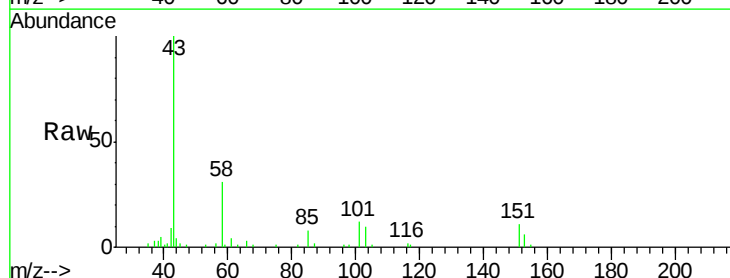
RT: 4.12 min Scan# 363

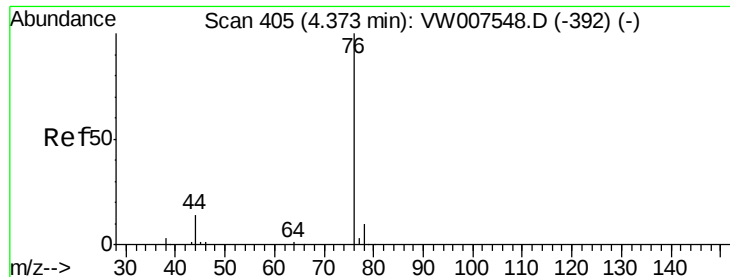
Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion:	43	Resp:	16583
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.9	37.3





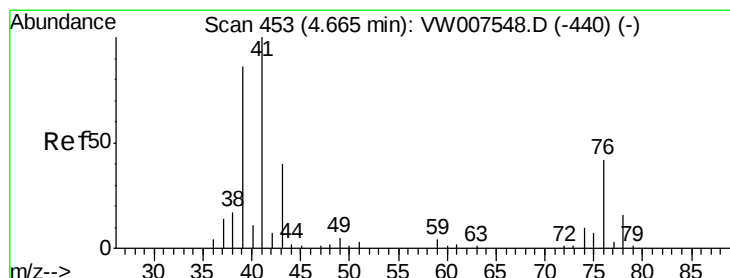
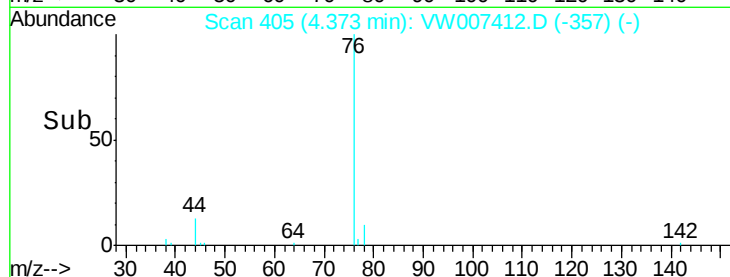
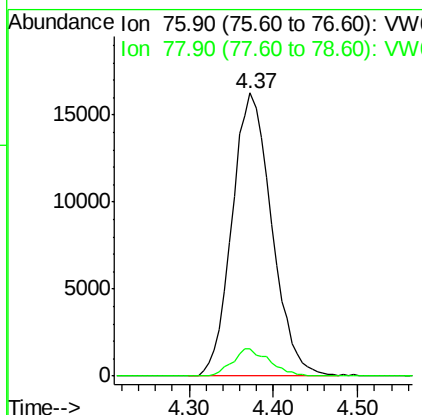
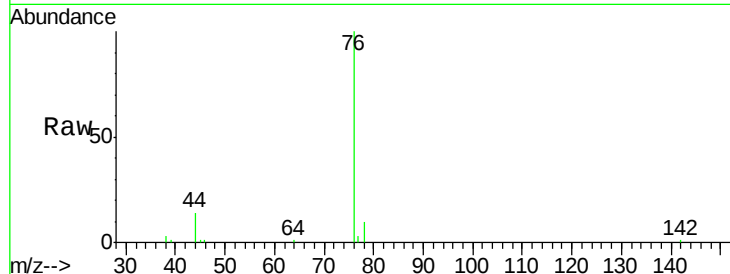
#17
Carbon Disulfide
Concen: 21.163 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 76 Resp: 51955
Ion Ratio Lower Upper
76 100
78 9.8 7.1 10.7

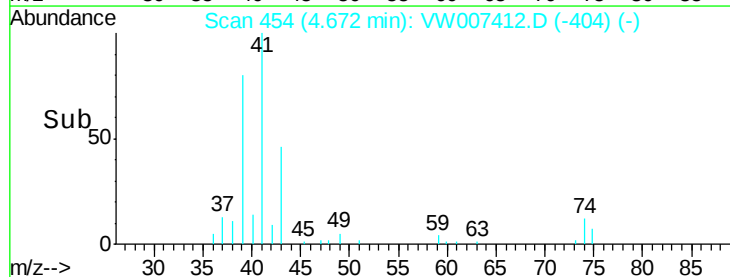
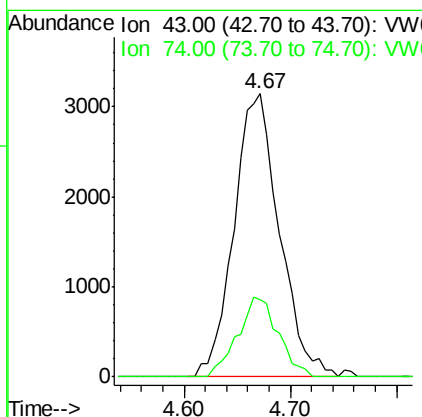
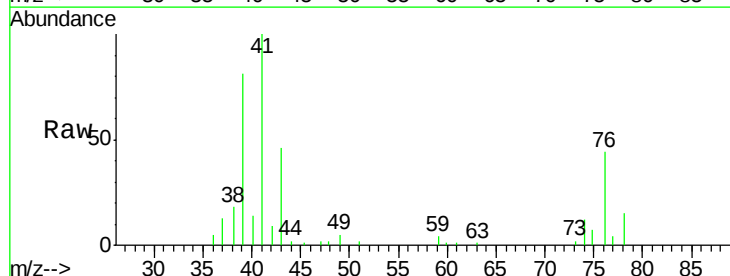
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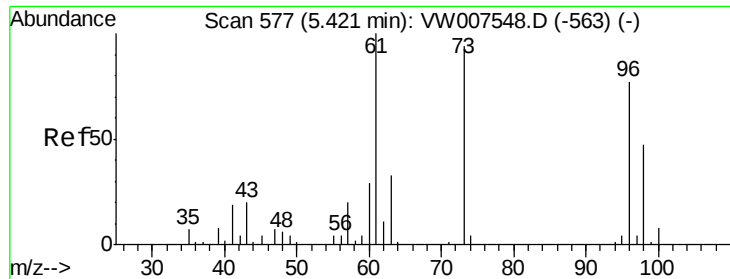
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#18
Methyl Acetate
Concen: 21.676 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 43 Resp: 9410
Ion Ratio Lower Upper
43 100
74 25.2 21.1 31.7





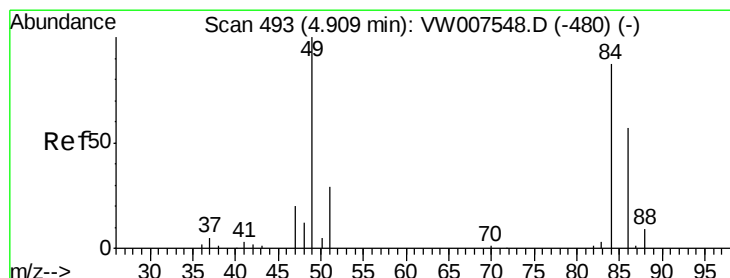
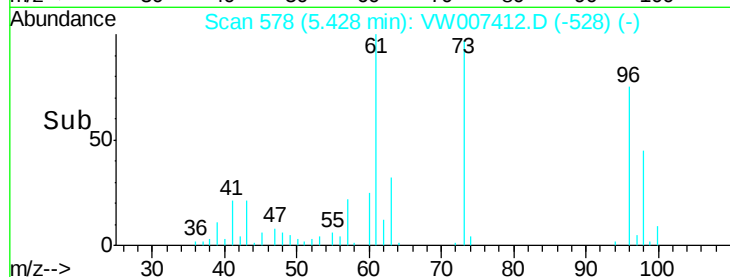
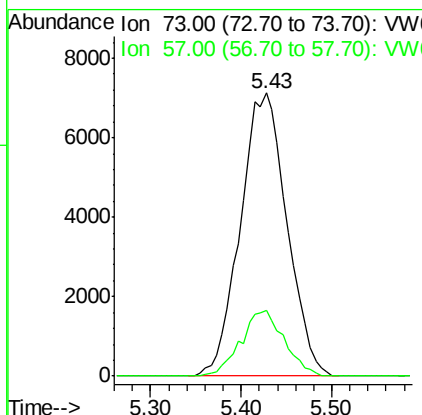
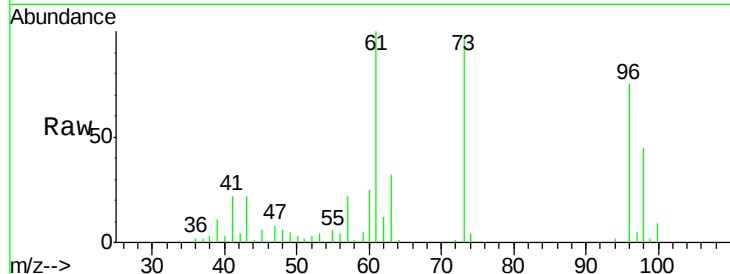
#19
Methyl tert-butyl Ether
Concen: 20.722 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 73 Resp: 25311
Ion Ratio Lower Upper
73 100
57 23.1 16.4 24.6

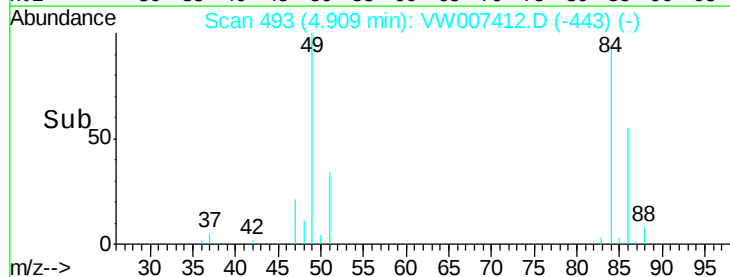
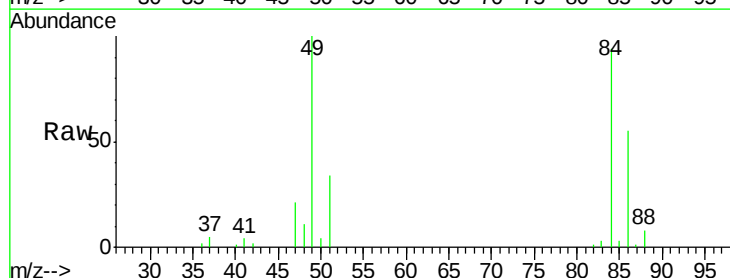
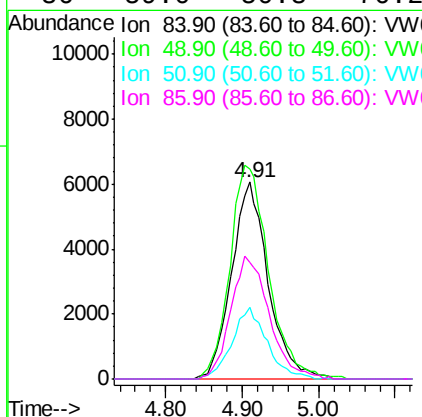
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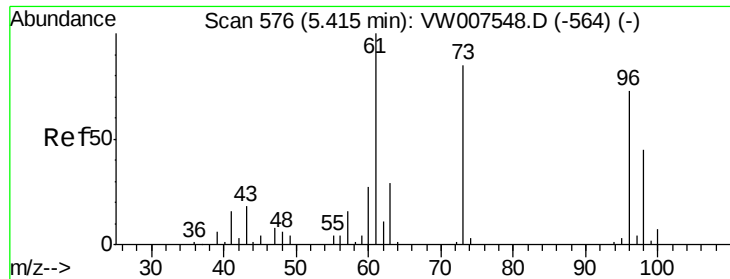
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#20
Methylene Chloride
Concen: 20.646 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 84 Resp: 20070
Ion Ratio Lower Upper
84 100
49 106.6 87.1 130.7
51 36.6 28.2 42.2
86 59.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.155 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

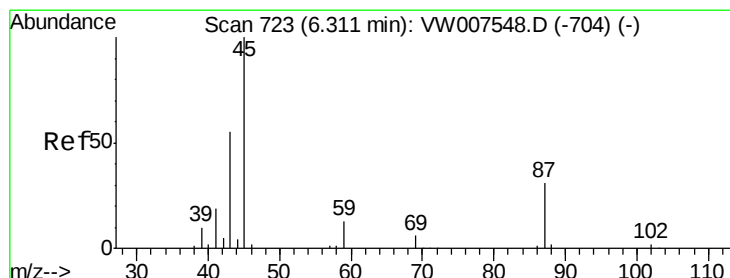
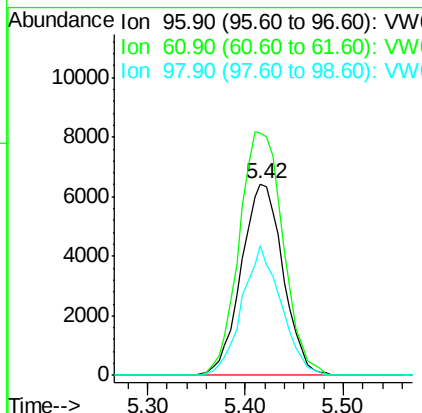
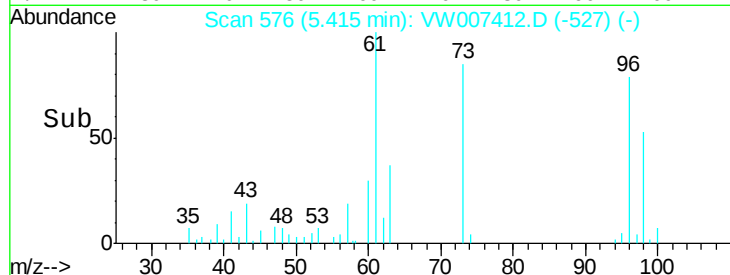
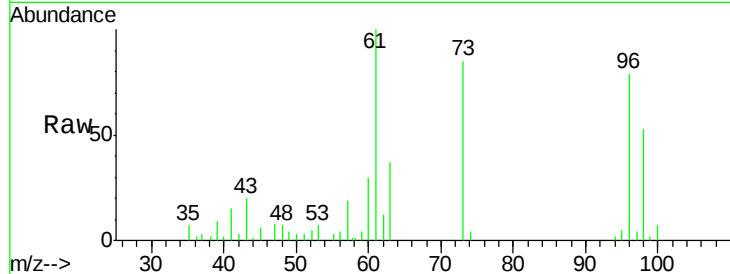
ClientSampleId :

VW1213SBS01

Tgt Ion:	96	Resp:	19161
Ion	Ratio	Lower	Upper
96	100		
61	126.5	105.0	157.6
98	67.5	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.386 ug/l

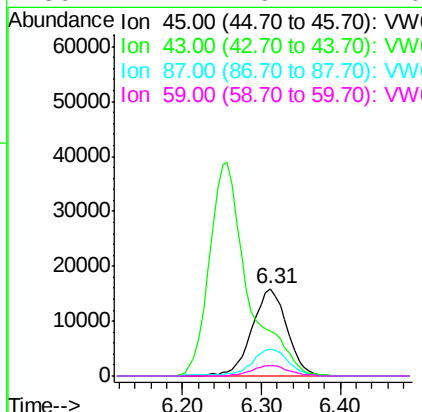
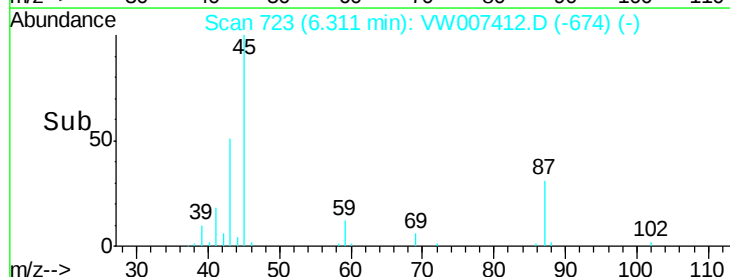
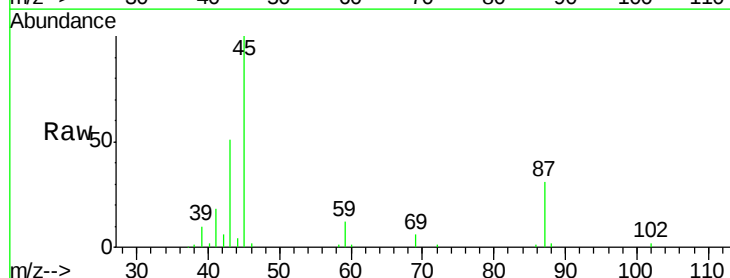
RT: 6.31 min Scan# 723

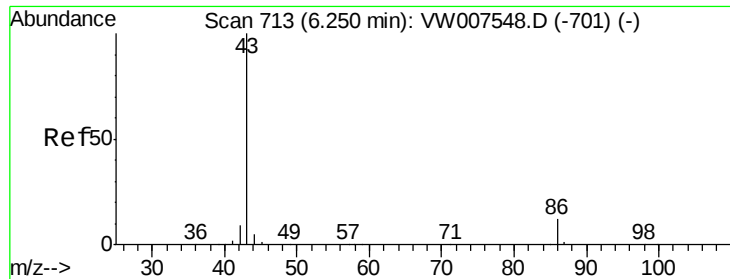
Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion:	45	Resp:	49060
Ion	Ratio	Lower	Upper
45	100		
43	51.1	41.6	62.4
87	30.6	24.3	36.5
59	11.7	9.4	14.0





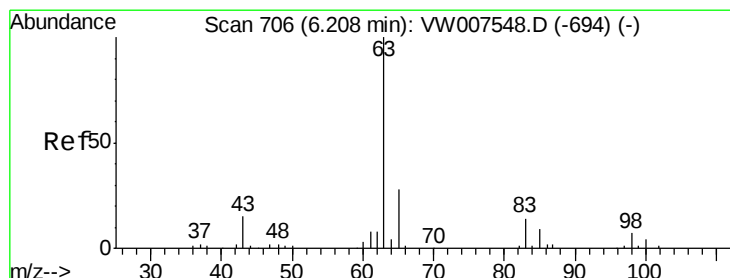
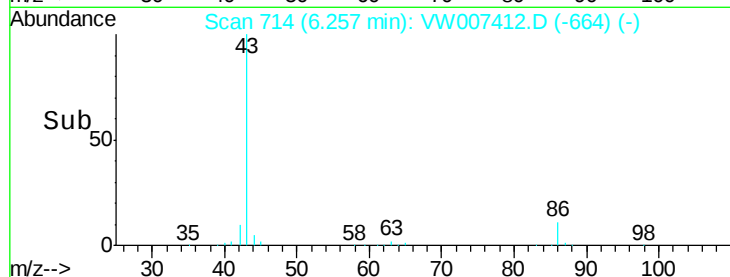
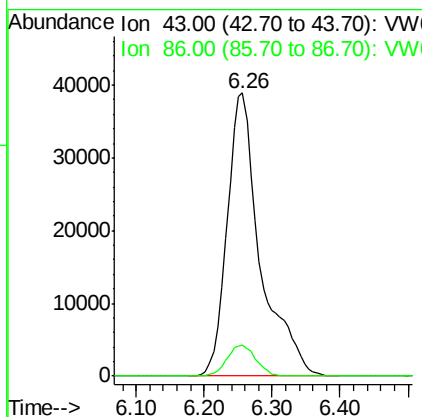
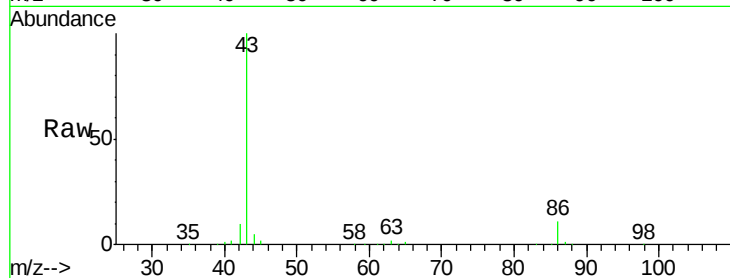
#23
 Vinyl Acetate
 Concen: 102.633 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.6	12.8

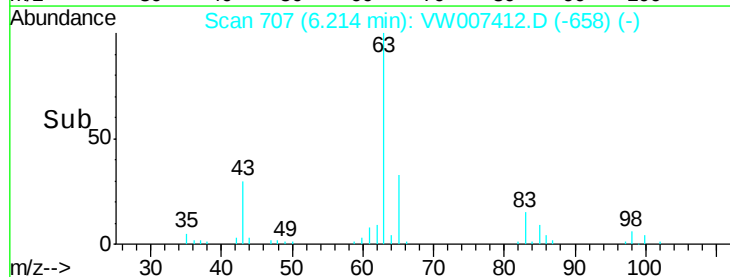
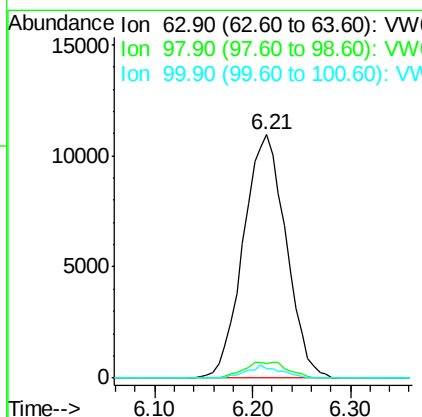
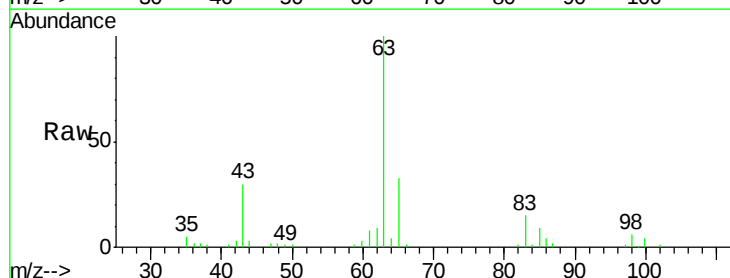
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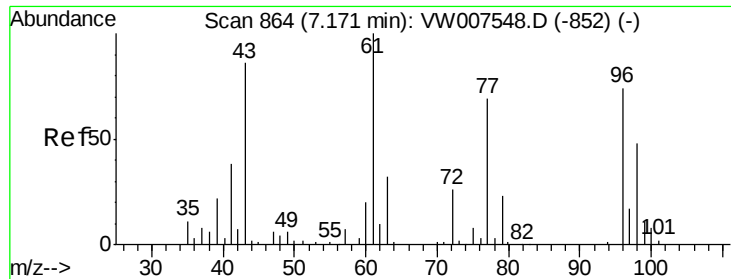
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#24
 1,1-Dichloroethane
 Concen: 21.389 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.4
100	3.6	2.5	7.5





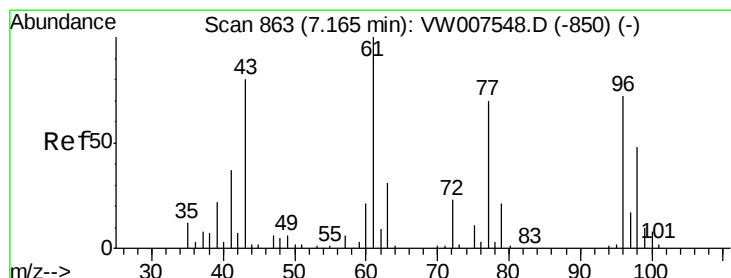
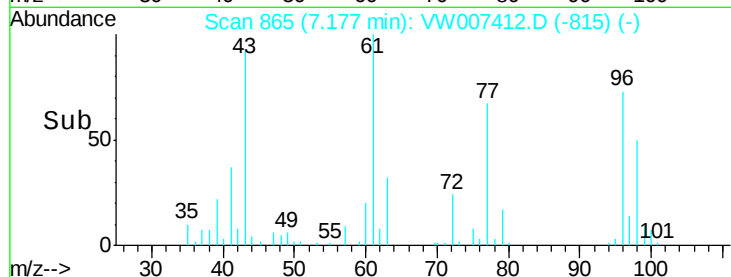
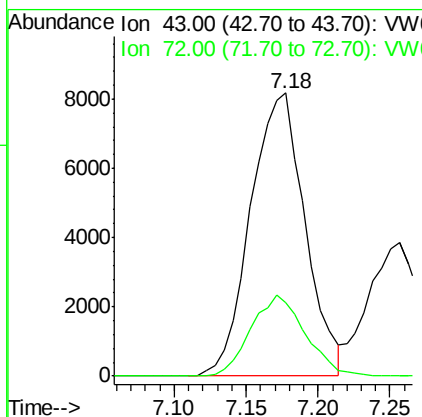
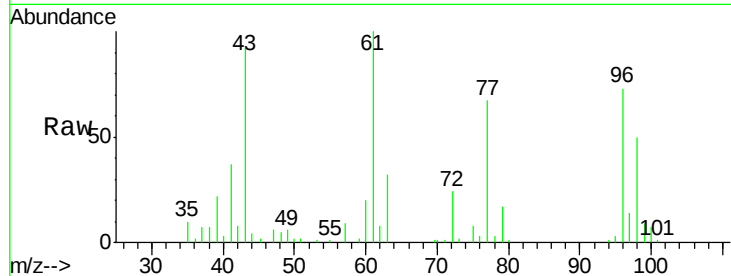
#25
2-Butanone
Concen: 102.854 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 43 Resp: 21477
Ion Ratio Lower Upper
43 100
72 26.0 23.4 35.2

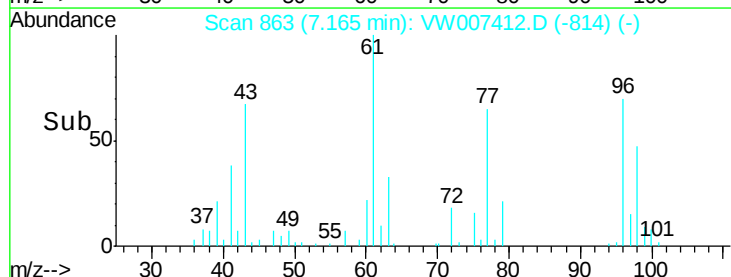
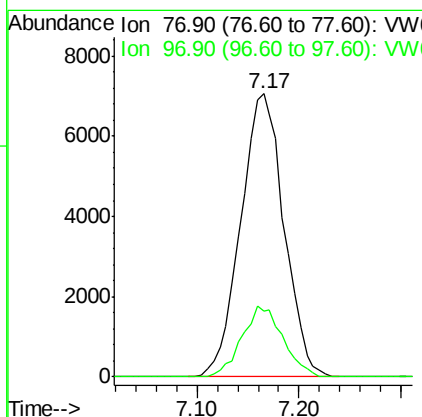
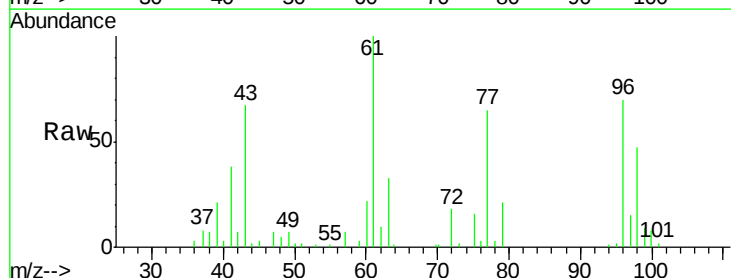
Manual Integrations
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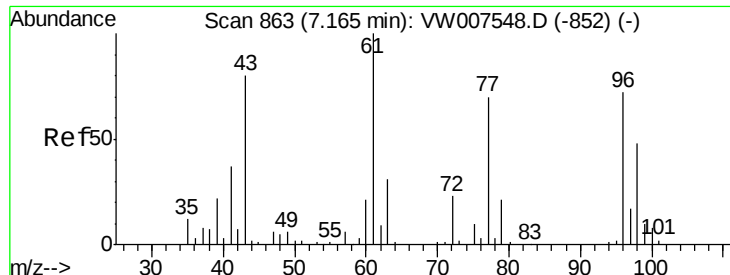
apatel
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#26
2,2-Dichloropropane
Concen: 20.294 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 77 Resp: 20824
Ion Ratio Lower Upper
77 100
97 23.6 11.6 34.8





#27

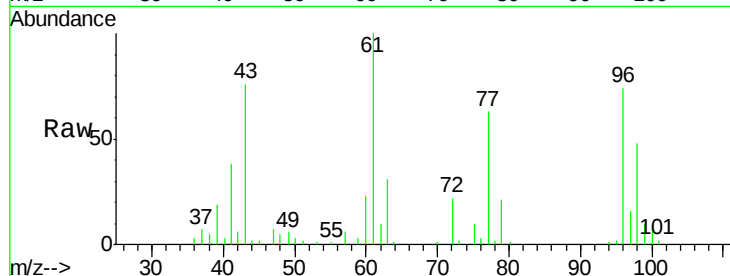
cis-1,2-Dichloroethene
Concen: 21.127 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampled :
VW1213SBS01

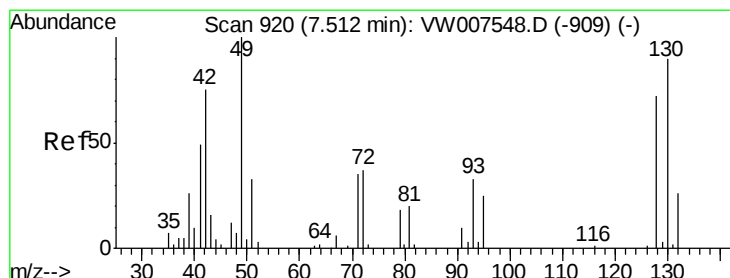
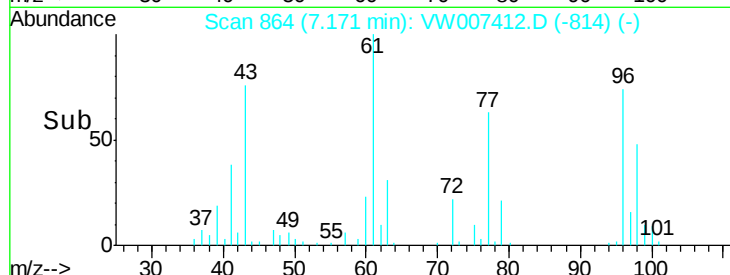
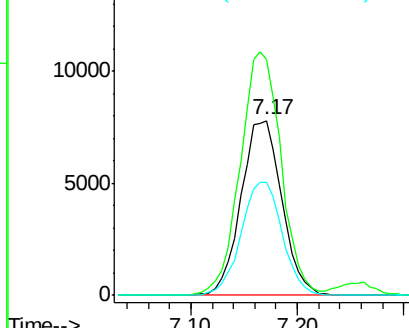
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	268.4
98	65.2	0.0	127.8

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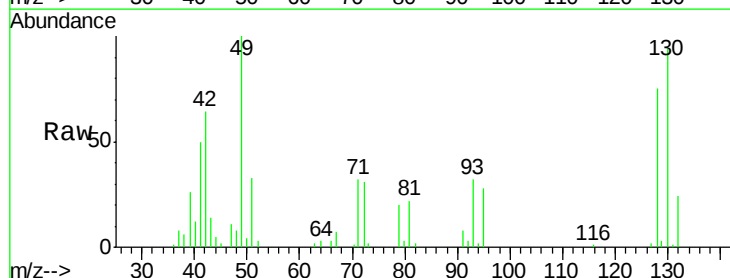
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



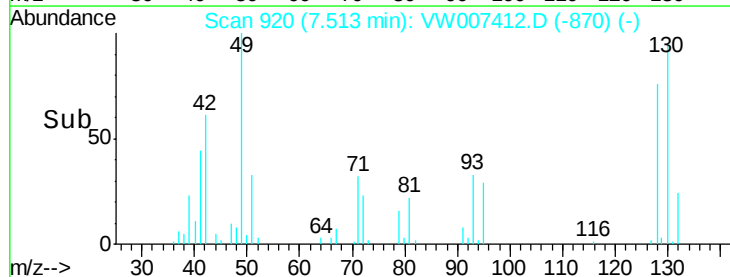
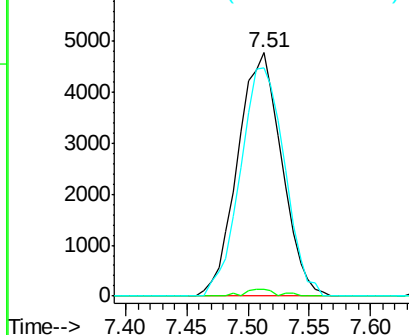
#28

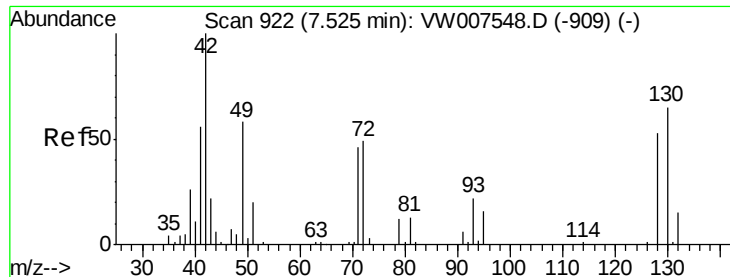
Bromochloromethane
Concen: 20.583 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.6
130	94.1	75.9	113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.036 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 42 Resp: 13356

Ion Ratio Lower Upper

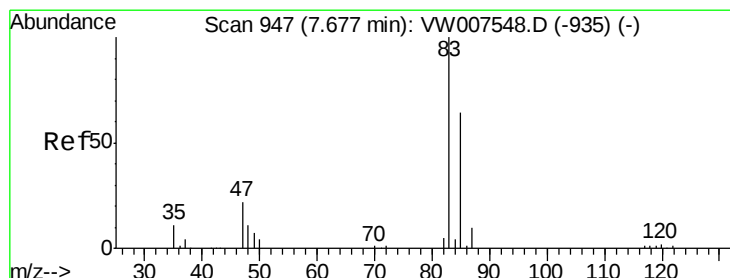
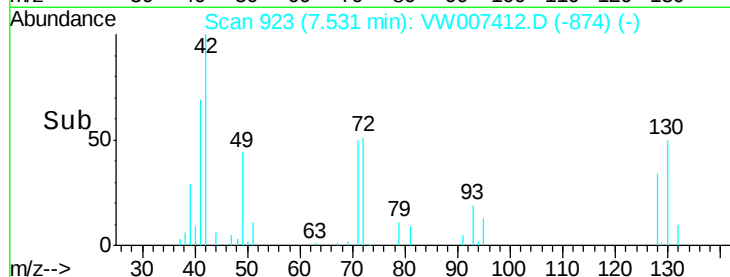
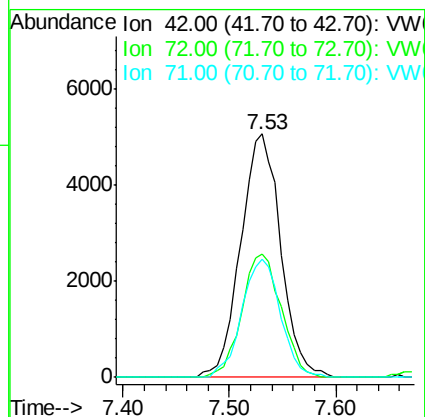
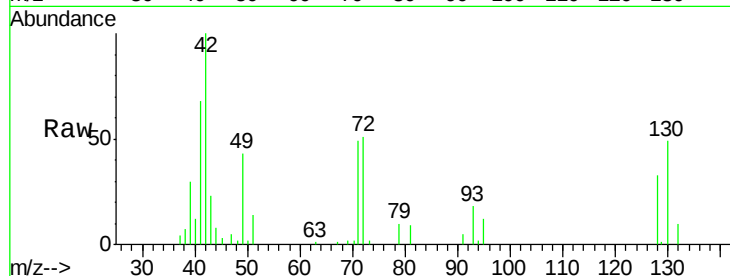
42 100

72 50.0 38.2 57.4

71 47.0 35.5 53.3

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#30

Chloroform

Concen: 20.783 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW007412.D

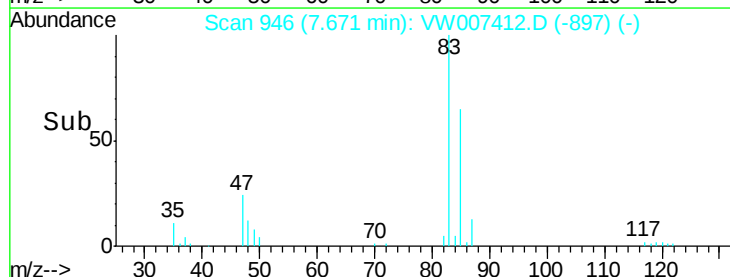
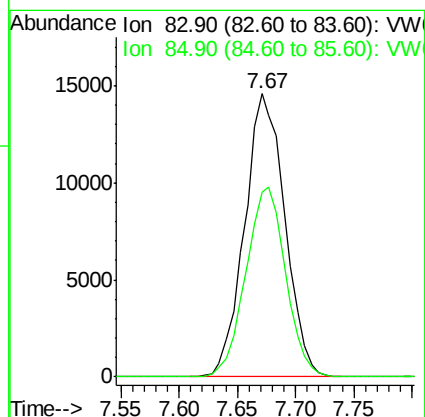
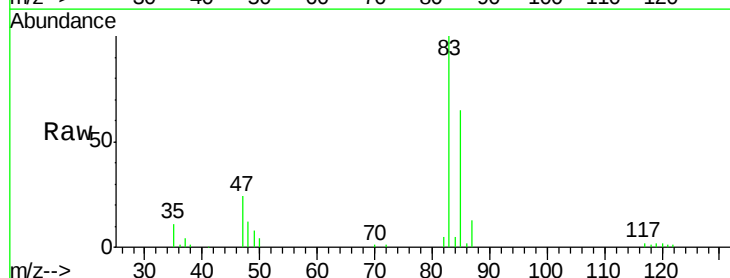
Acq: 12 Dec 2018 00:29

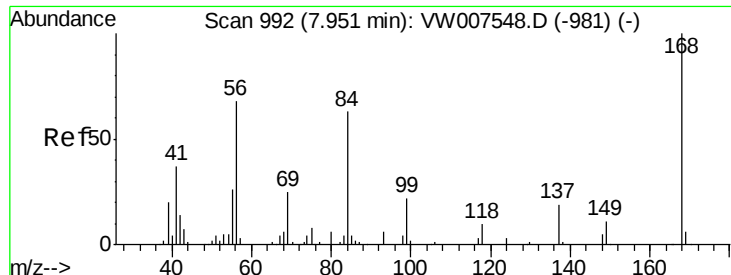
Tgt Ion: 83 Resp: 35067

Ion Ratio Lower Upper

83 100

85 65.4 51.8 77.8





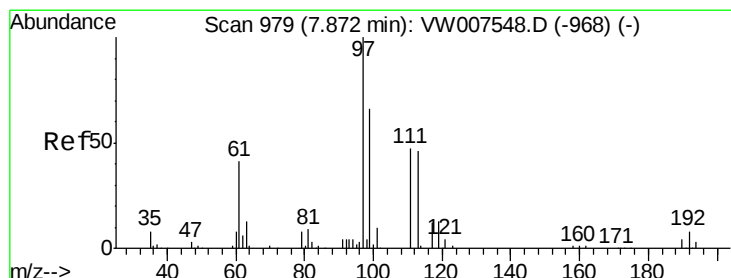
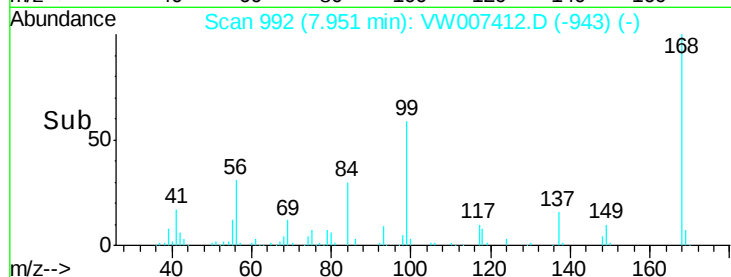
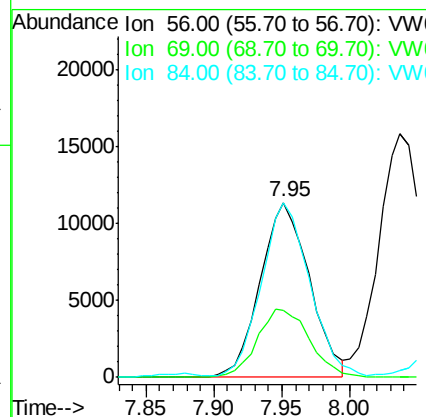
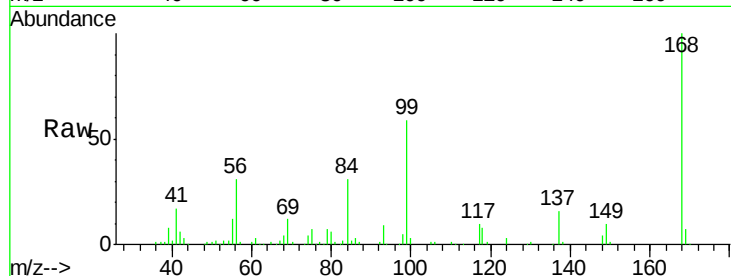
#31
Cyclohexane
Concen: 20.257 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.9	28.9	43.3
84	98.1	71.8	107.6

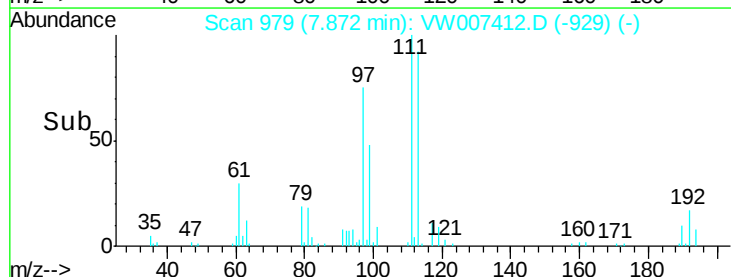
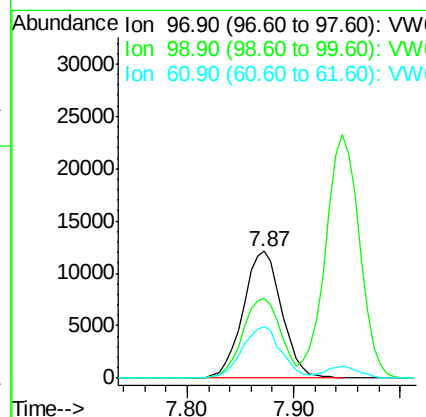
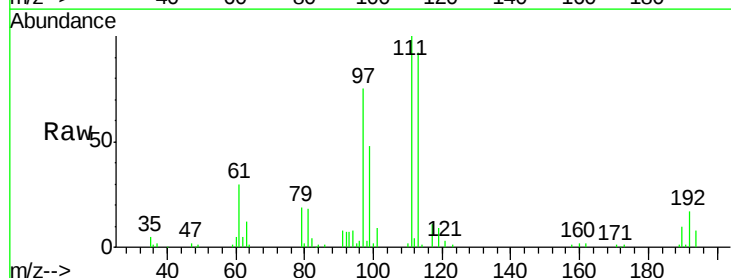
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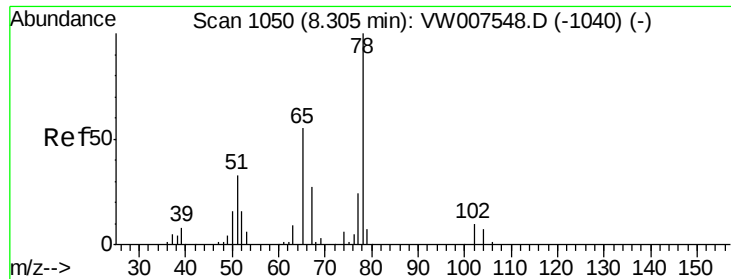
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#32
1,1,1-Trichloroethane
Concen: 20.817 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.1	76.7
61	40.6	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 55.163 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 65 Resp: 50513

Ion Ratio Lower Upper

65 100

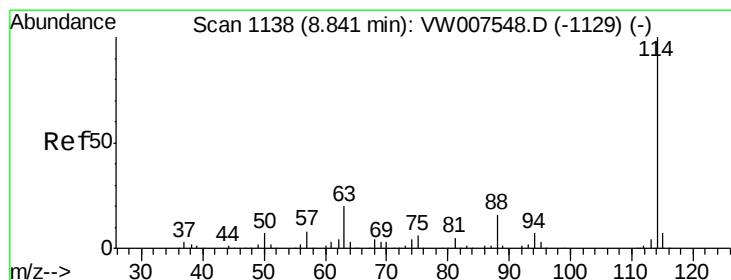
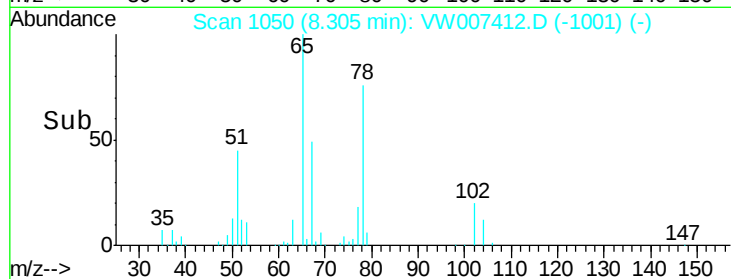
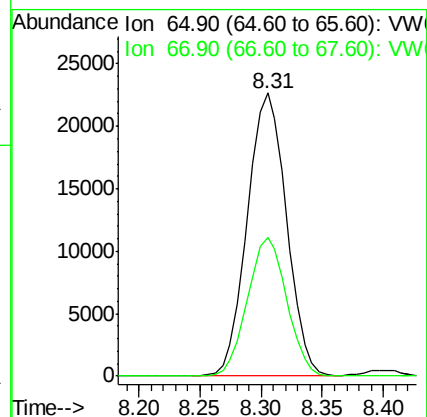
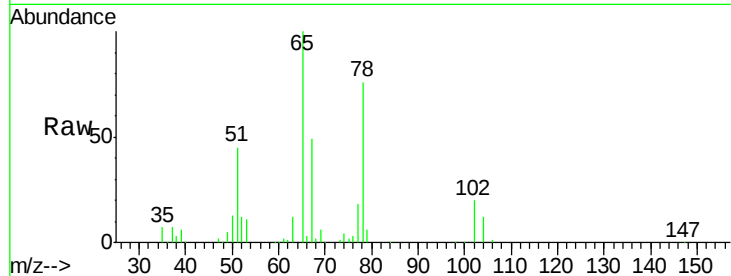
67 48.9 0.0 101.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

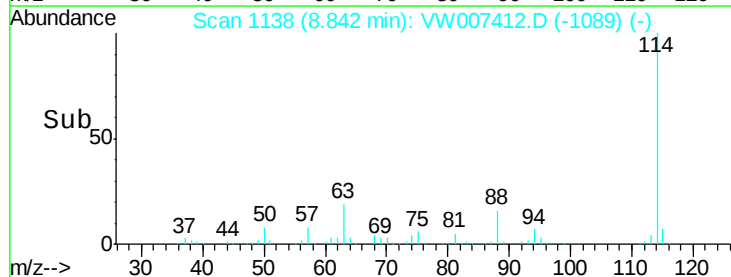
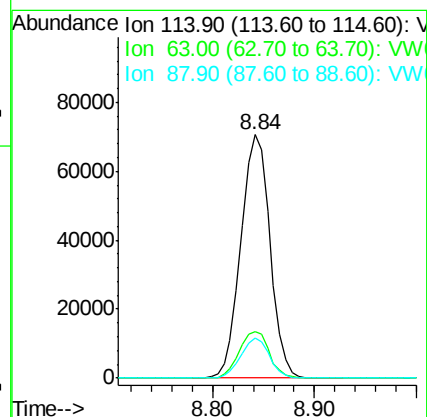
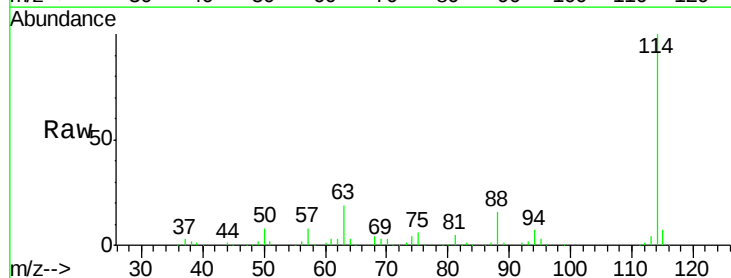
Tgt Ion: 114 Resp: 139600

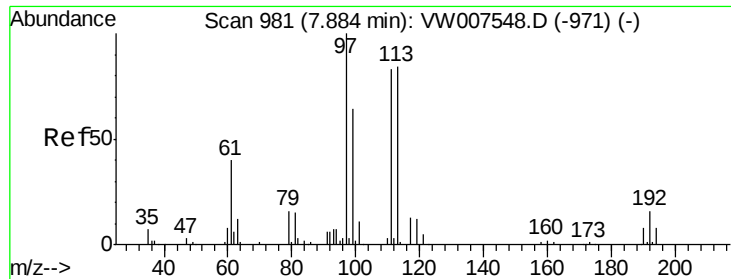
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.2 0.0 31.4





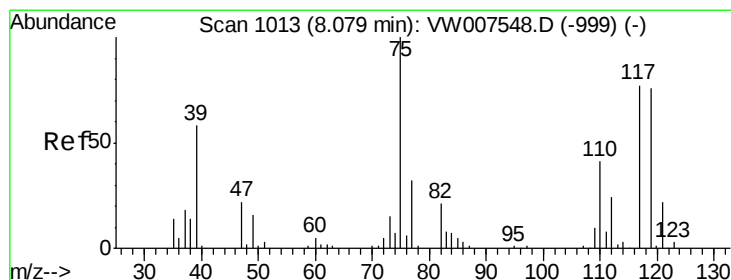
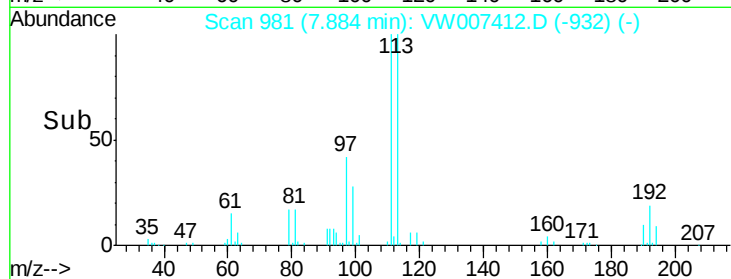
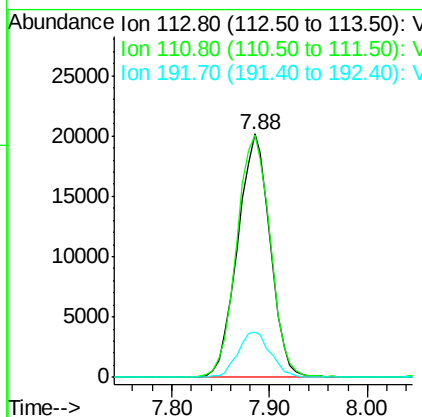
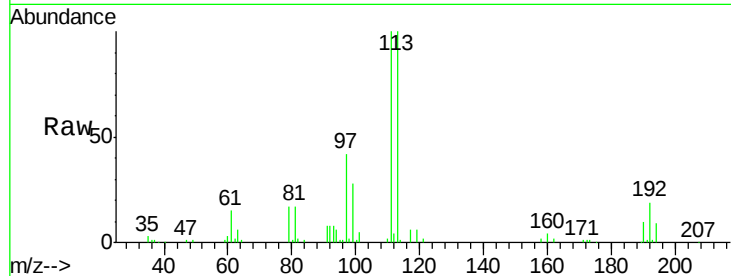
#35
 Dibromofluoromethane
 Concen: 55.078 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	18.6	14.6	21.8

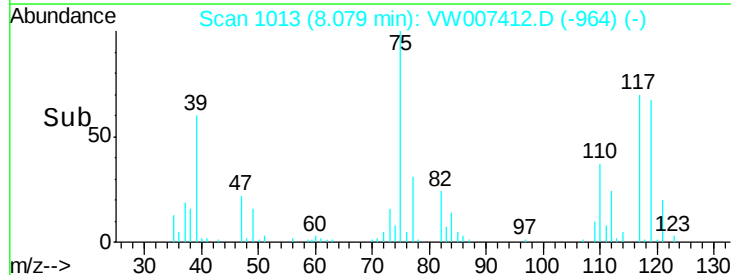
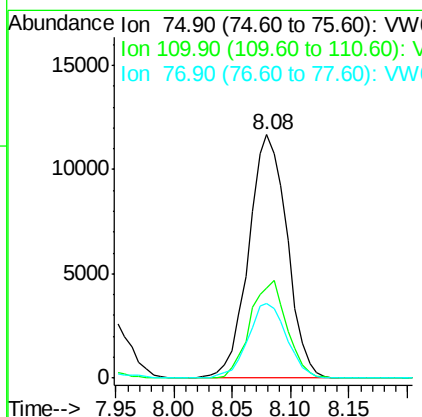
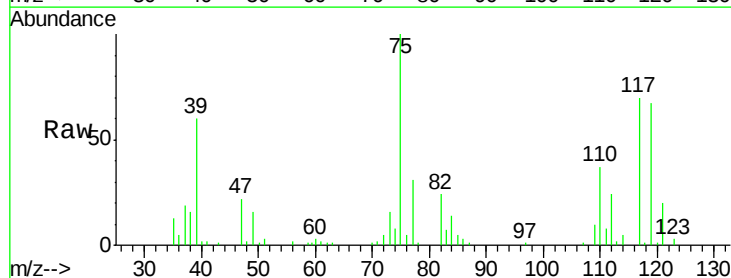
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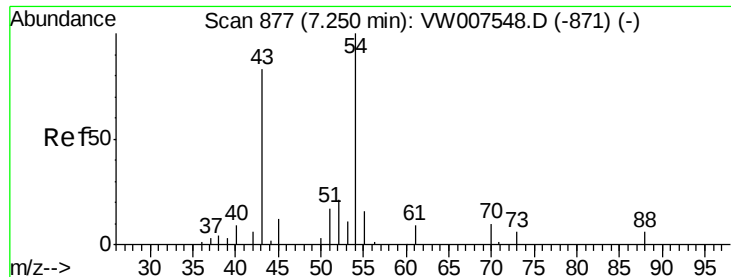
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#36
 1,1-Dichloropropene
 Concen: 21.087 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	18.5	55.5
77	30.9	25.6	38.4





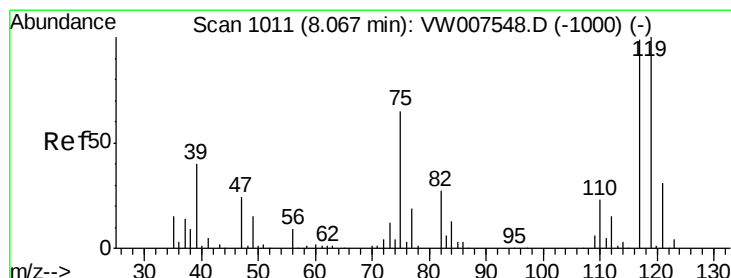
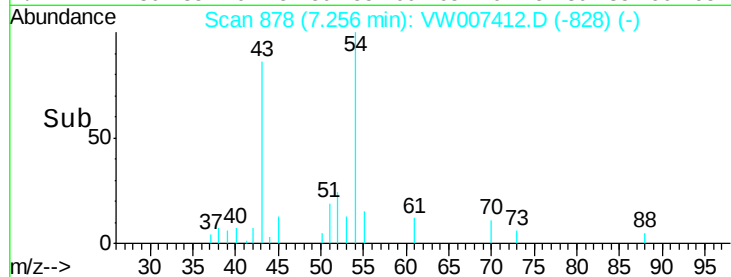
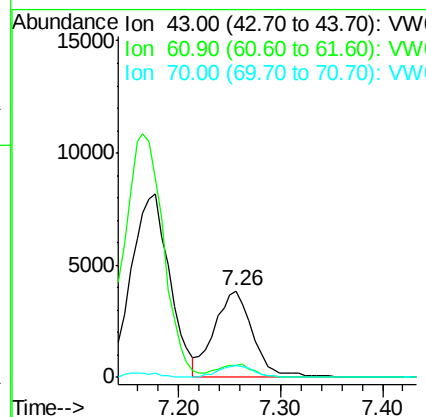
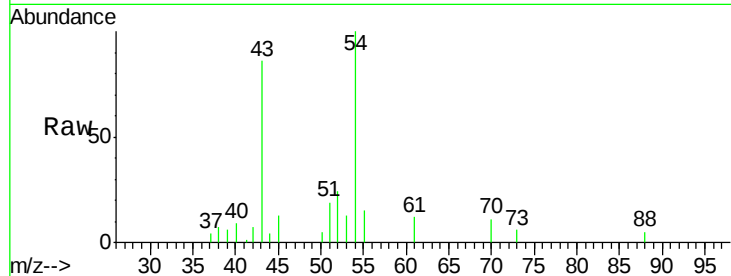
#37
Ethyl Acetate
Concen: 21.516 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.1	18.1
70	12.2	10.0	15.0

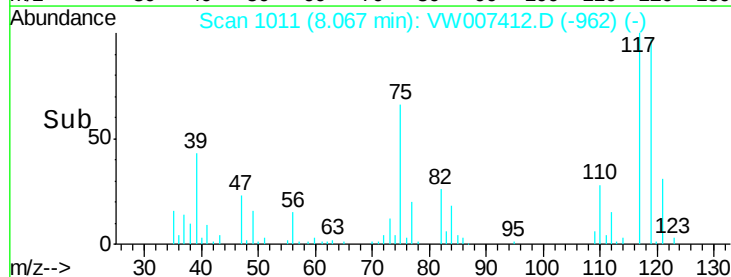
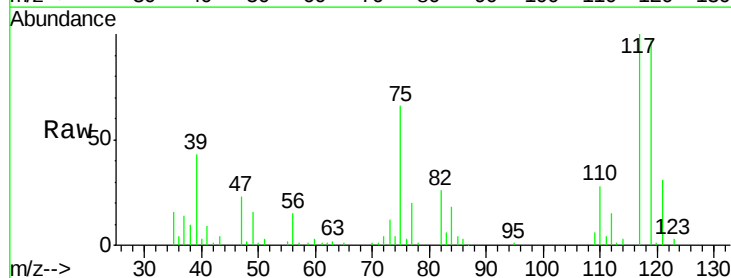
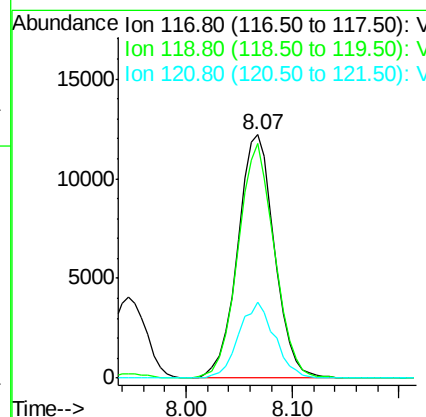
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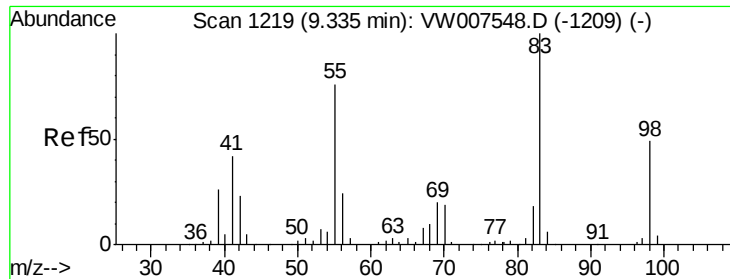
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#38
Carbon Tetrachloride
Concen: 21.326 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	74.3	111.5
121	31.1	24.3	36.5





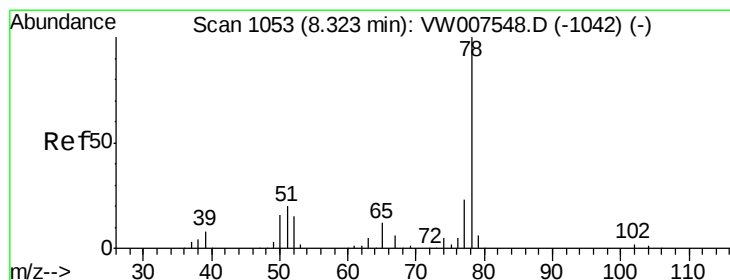
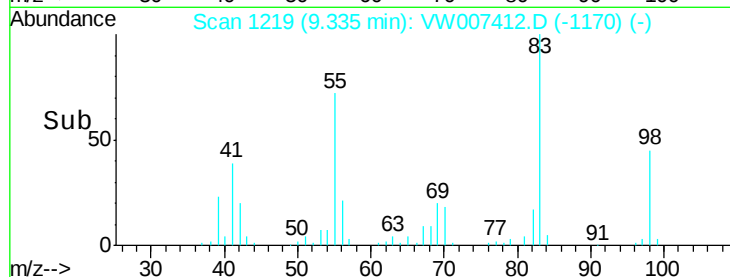
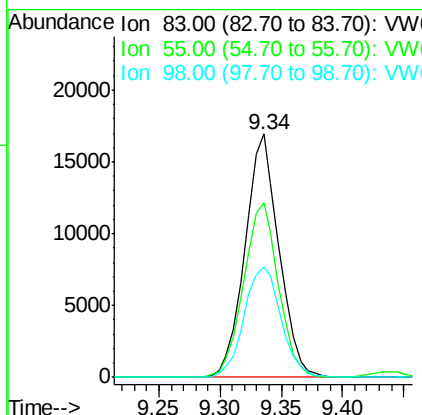
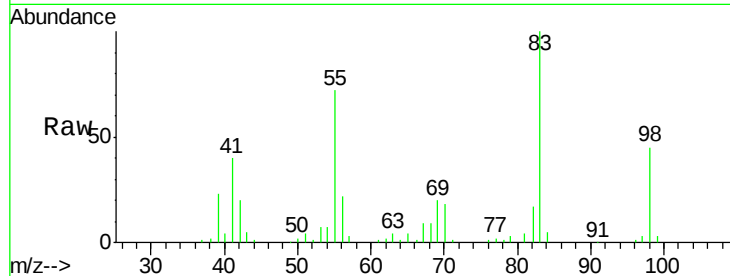
#39
Methylcyclohexane
Concen: 21.170 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.7	62.8	94.2
98	45.3	42.2	63.2

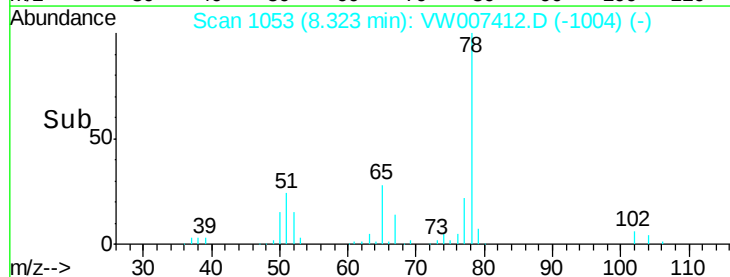
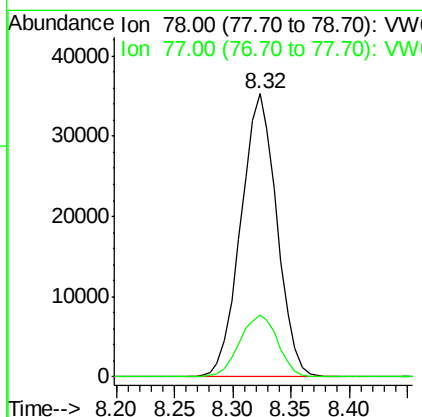
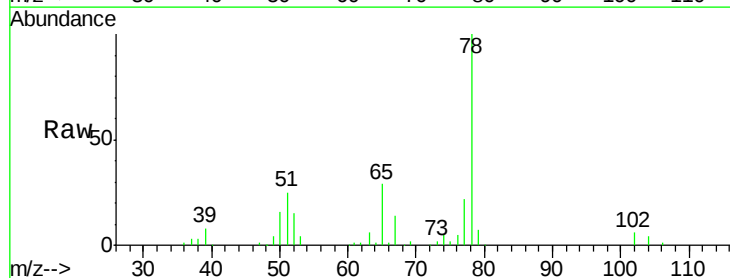
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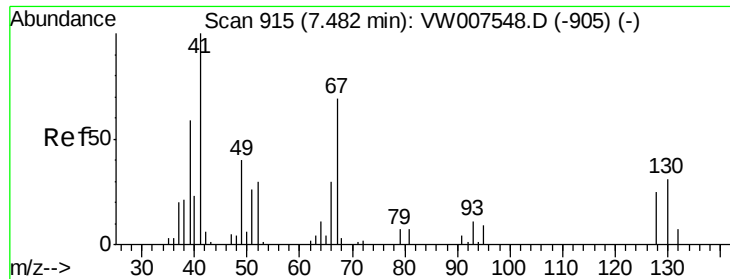
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#40
Benzene
Concen: 21.528 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.8	28.2





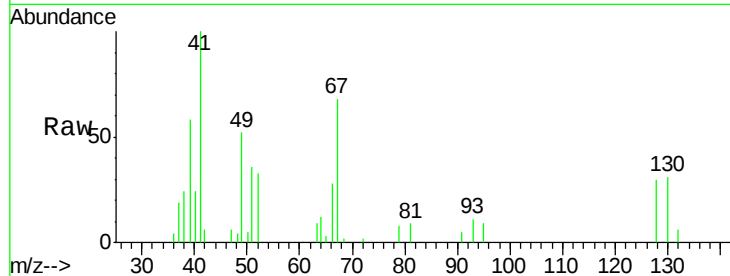
#41
Methacrylonitrile
Concen: 23.569 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

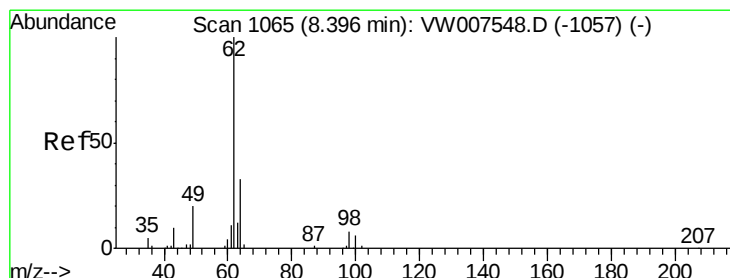
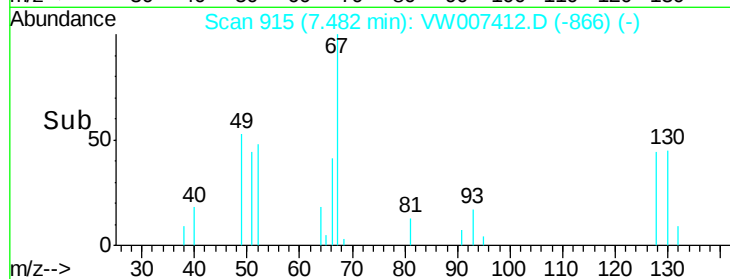
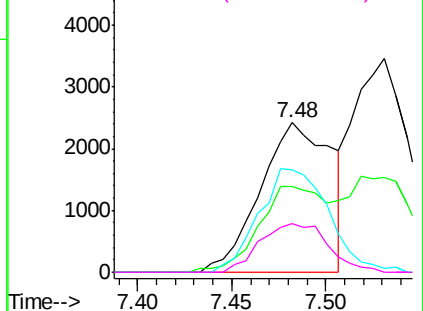
Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.3	52.2	78.2
67	67.4	60.5	90.7
52	30.9	25.3	37.9

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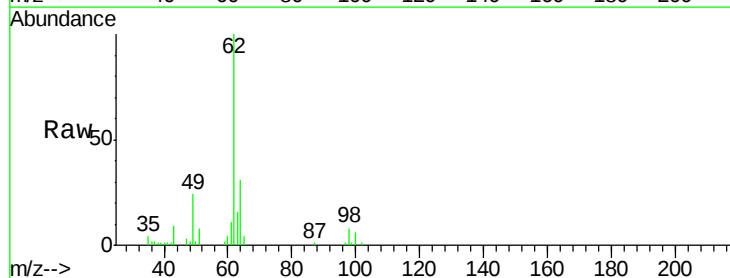


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

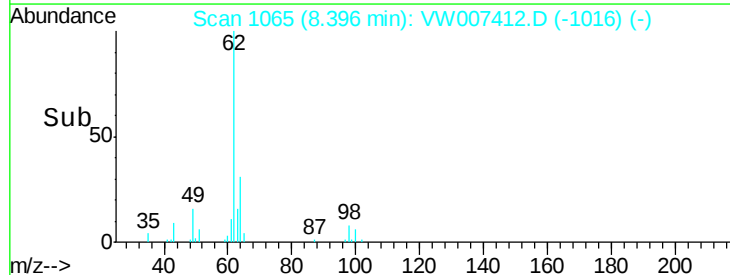
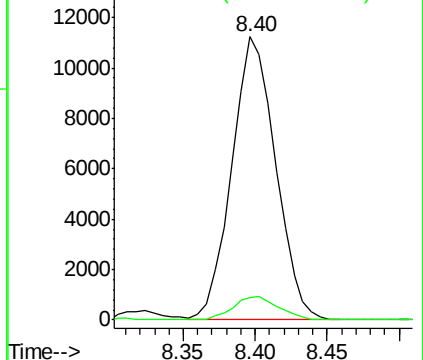


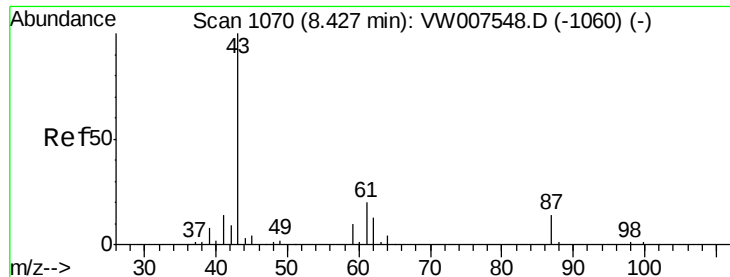
#42
1,2-Dichloroethane
Concen: 21.425 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.659 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

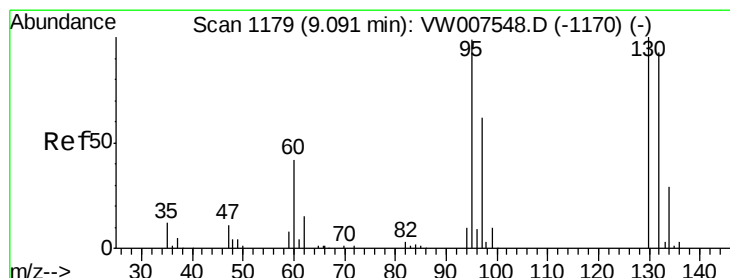
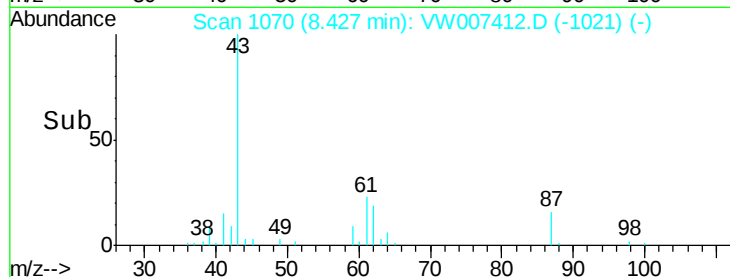
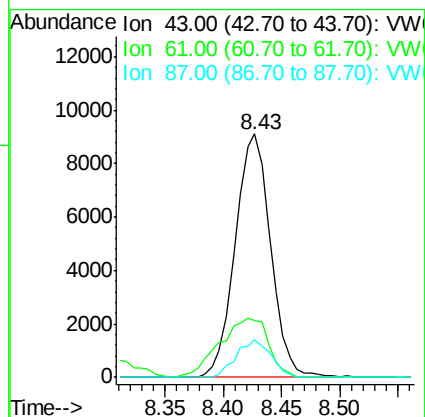
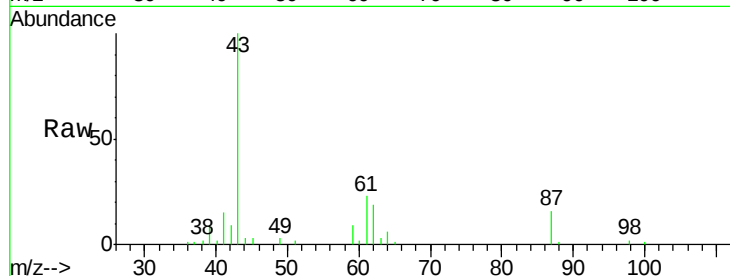
ClientSampleId :

VW1213SBS01

Tgt Ion:	43	Resp:	19329
Ion	Ratio	Lower	Upper
43	100		
61	33.5	25.3	37.9
87	15.2	11.8	17.8

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#44

Trichloroethene

Concen: 21.400 ug/l

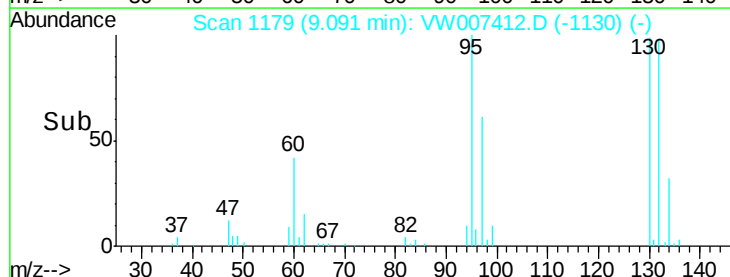
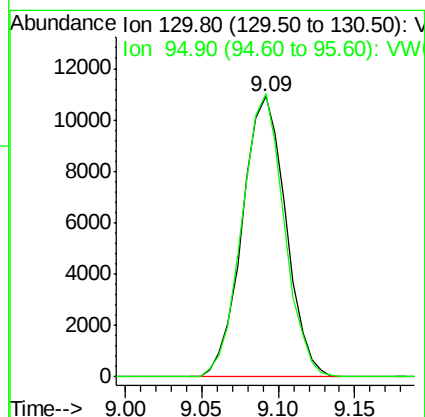
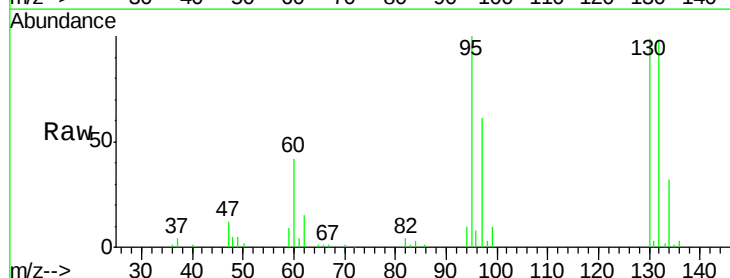
RT: 9.09 min Scan# 1179

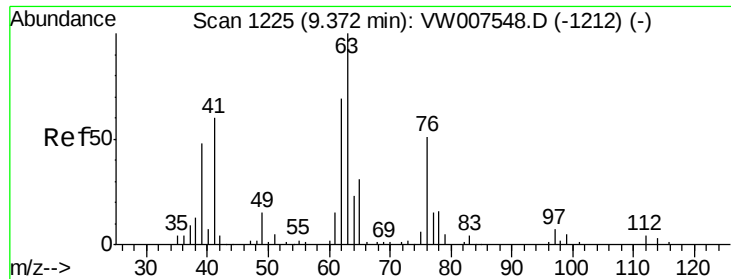
Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion:	130	Resp:	21597
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	193.2





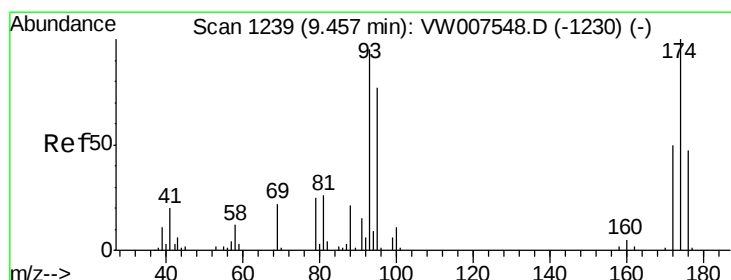
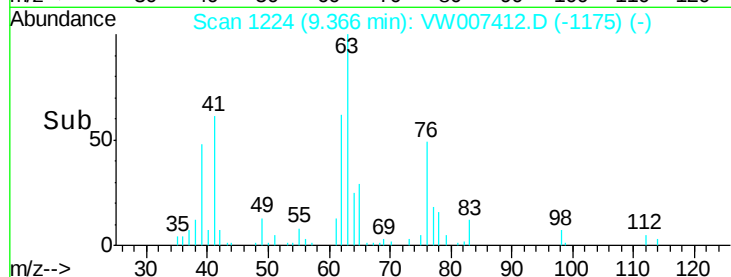
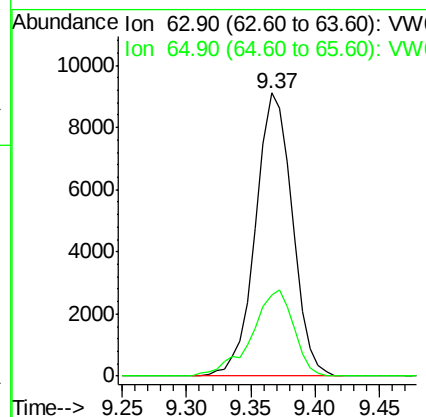
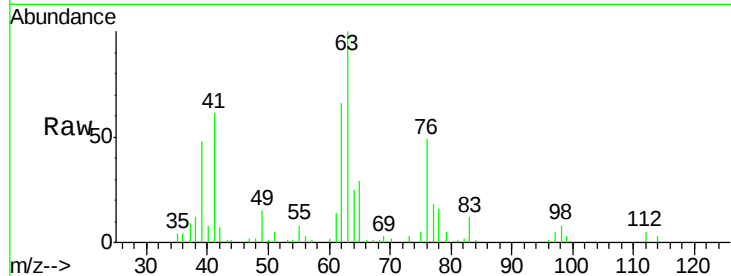
#45
 1,2-Dichloropropane
 Concen: 22.064 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion: 63 Resp: 18045
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.4 36.6

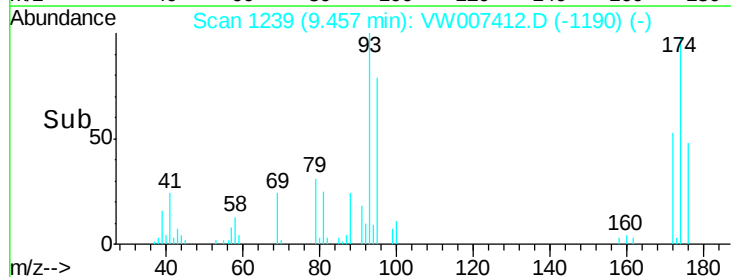
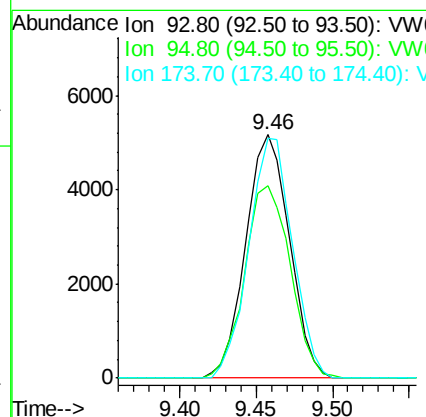
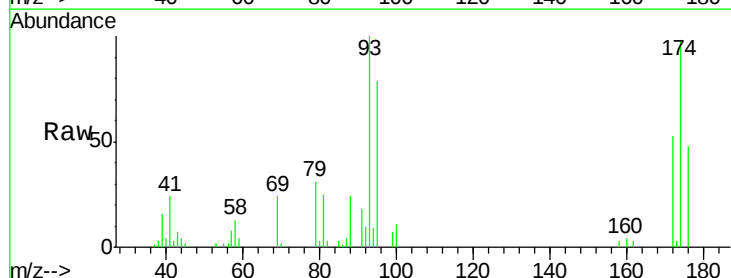
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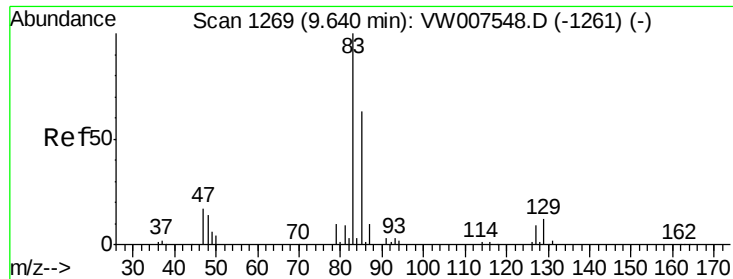
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#46
 Dibromomethane
 Concen: 22.132 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 93 Resp: 10279
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.0 102.0
 174 98.3 83.2 124.8





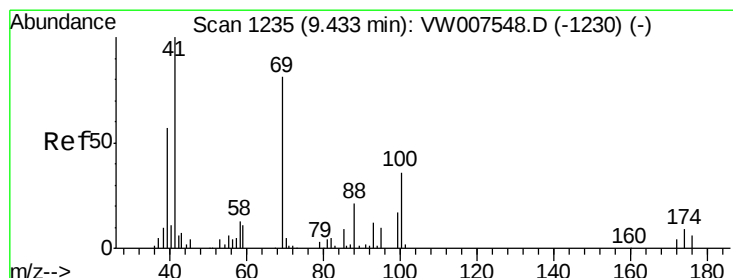
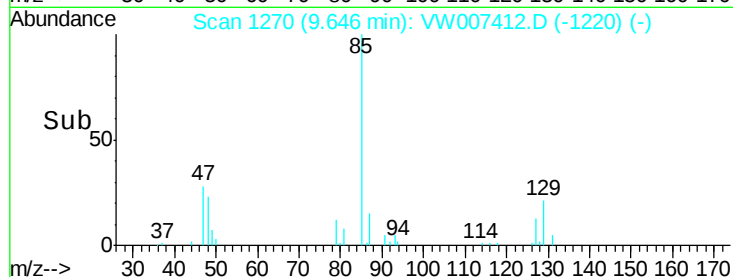
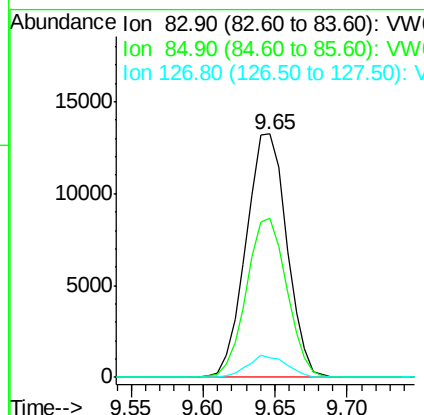
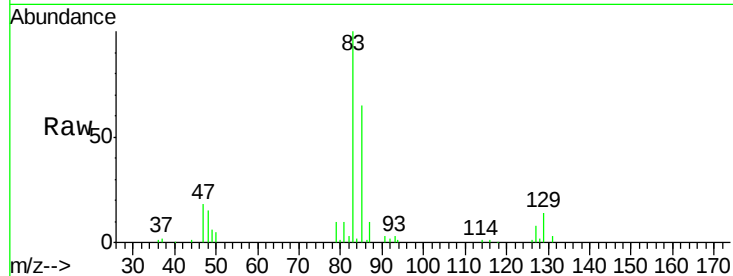
#47
Bromodichloromethane
Concen: 21.371 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	26035		
85	65.4	47.6	71.4	
127	8.2	6.7	10.1	

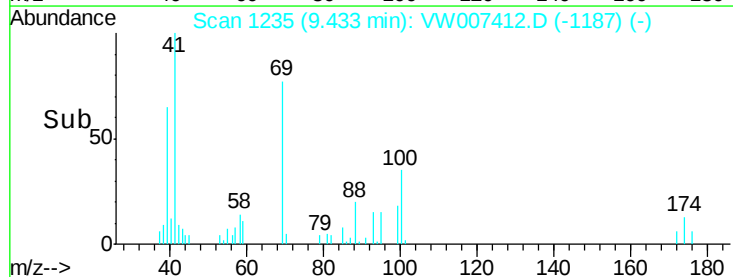
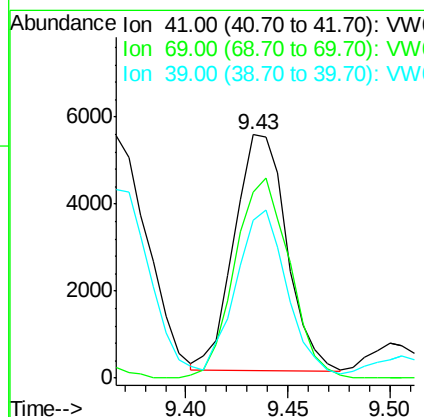
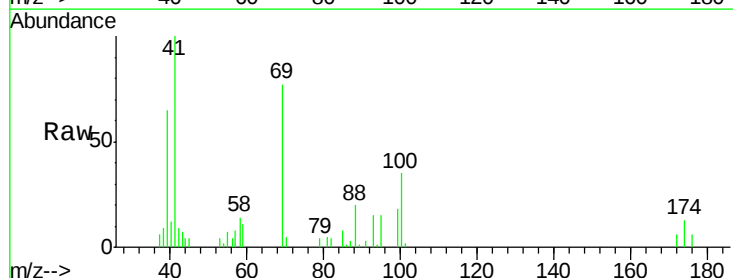
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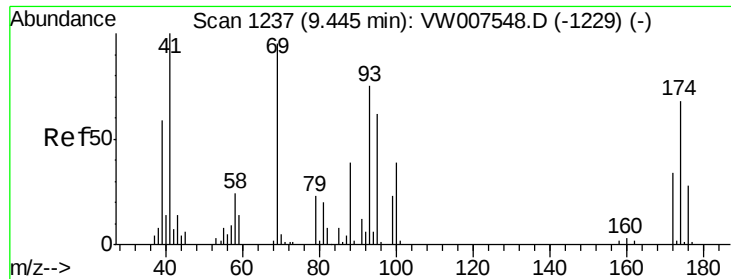
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#48
Methyl methacrylate
Concen: 20.181 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	9697		
69	88.3	69.8	104.8	
39	70.1	50.9	76.3	





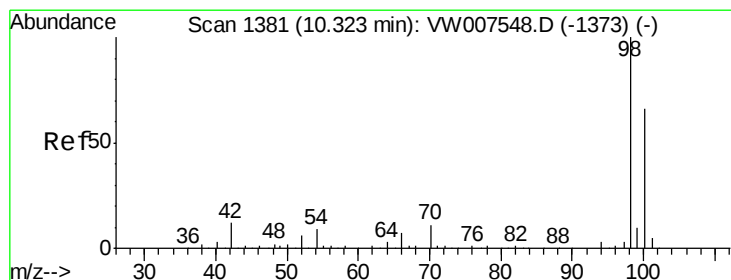
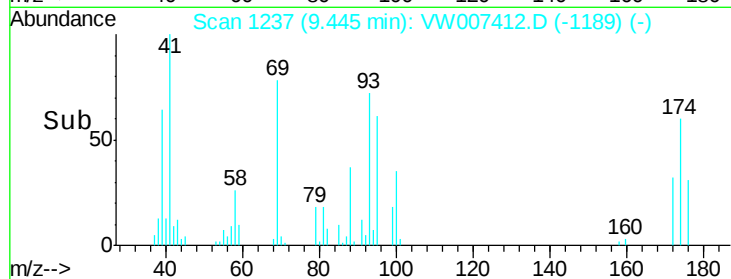
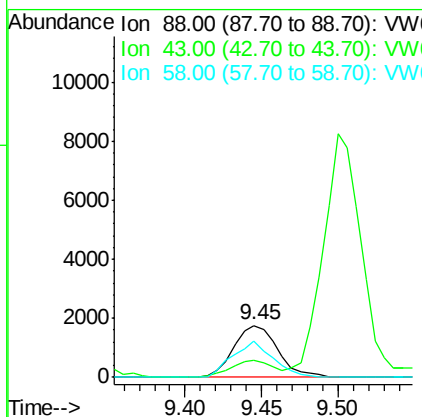
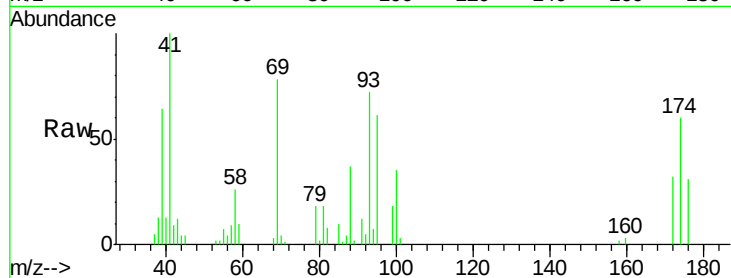
#49
1,4-Dioxane
Concen: 465.907 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.4
58	63.6	51.4	77.2

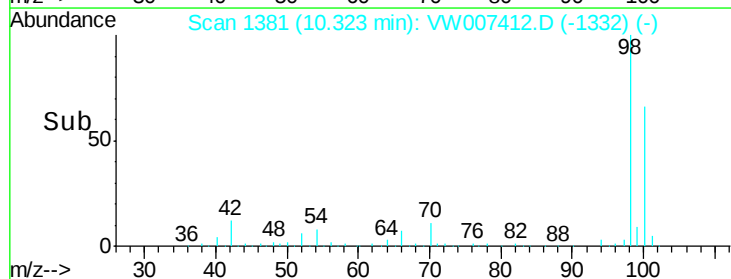
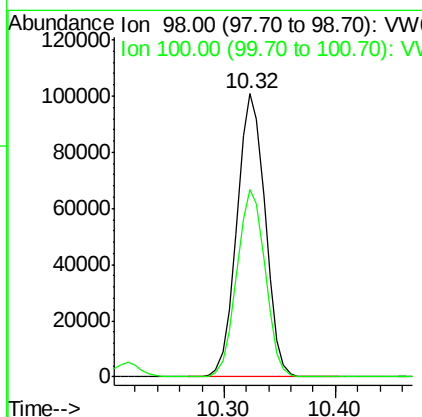
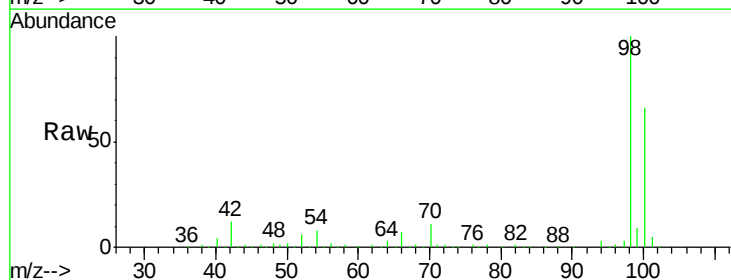
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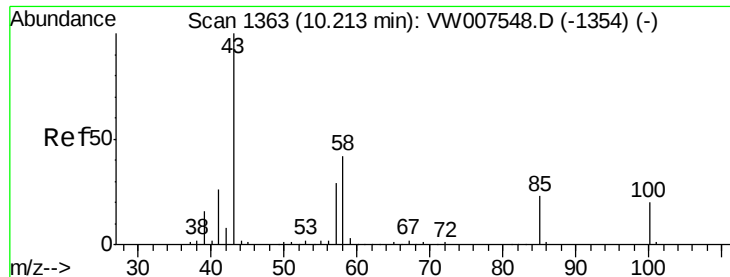
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#50
Toluene-d8
Concen: 55.780 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.8	77.8





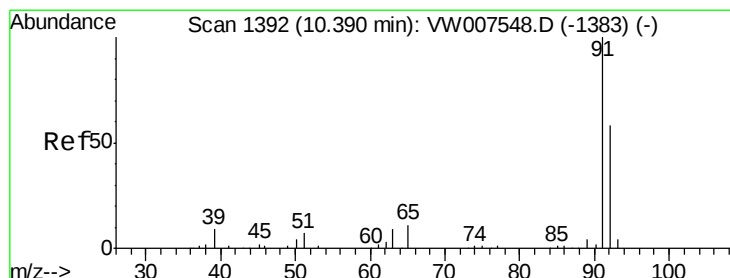
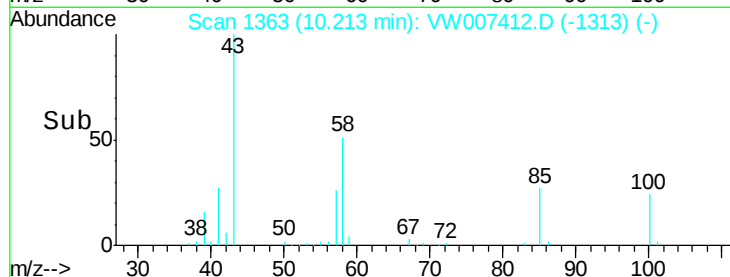
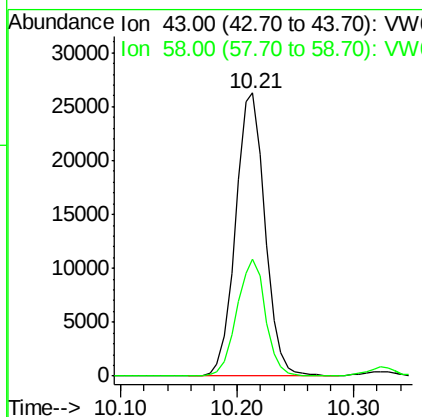
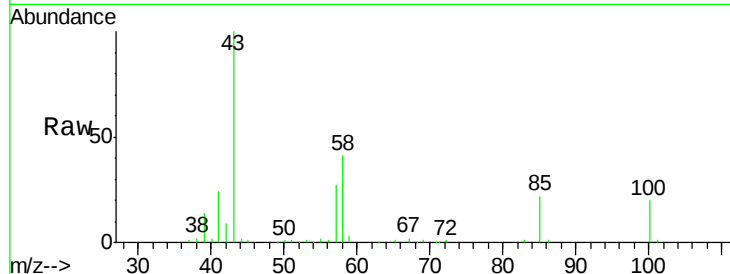
#51
4-Methyl-2-Pentanone
Concen: 104.815 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 43 Resp: 46336
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7

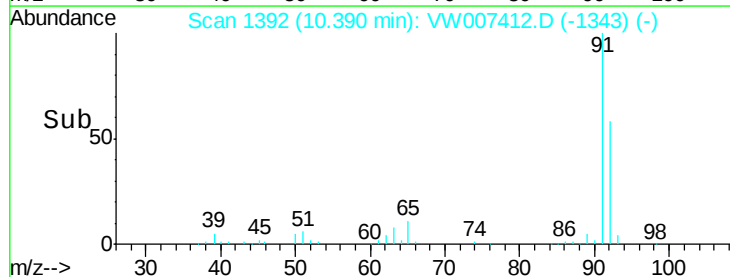
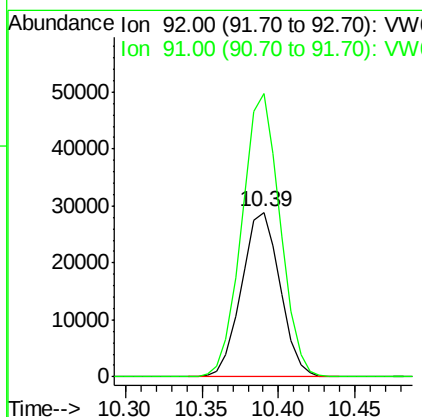
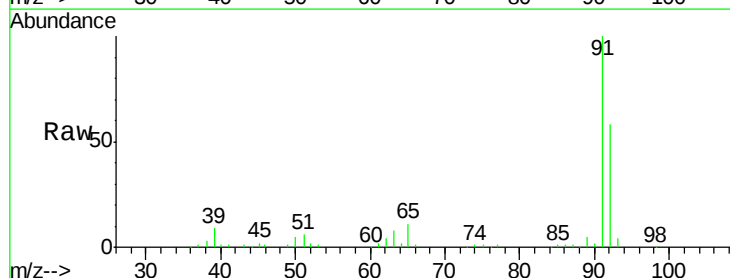
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#52
Toluene
Concen: 22.106 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 92 Resp: 50558
Ion Ratio Lower Upper
92 100
91 170.2 136.2 204.2





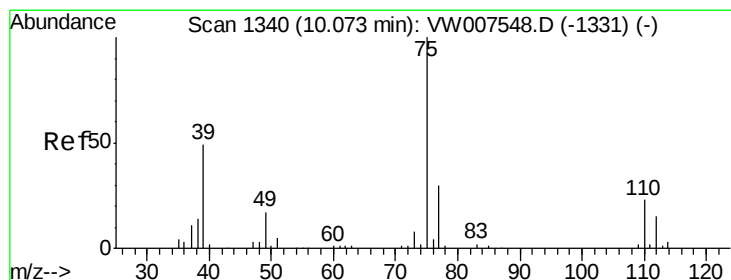
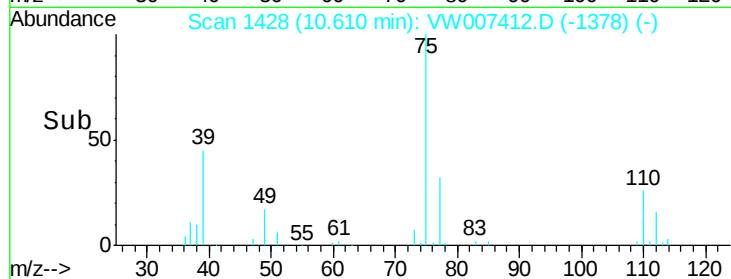
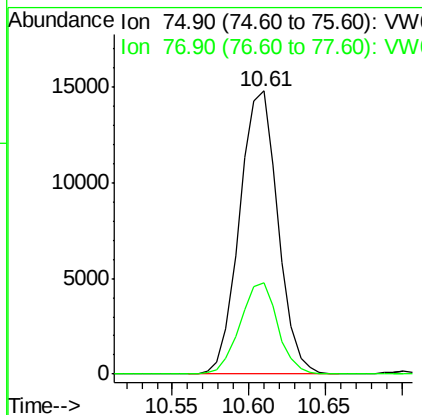
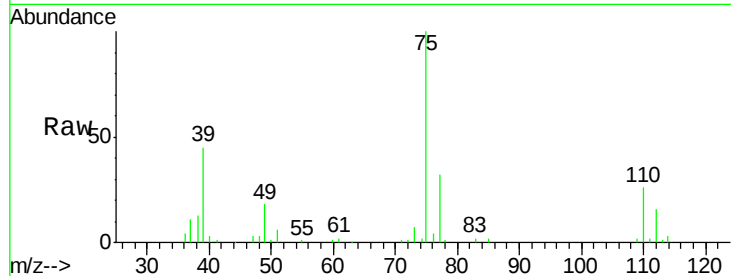
#53
 t-1,3-Dichloropropene
 Concen: 21.681 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion: 75 Resp: 25642
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4

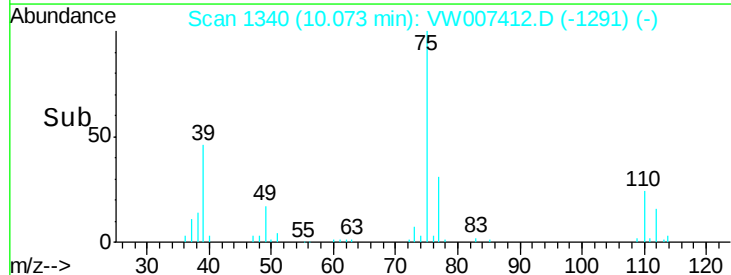
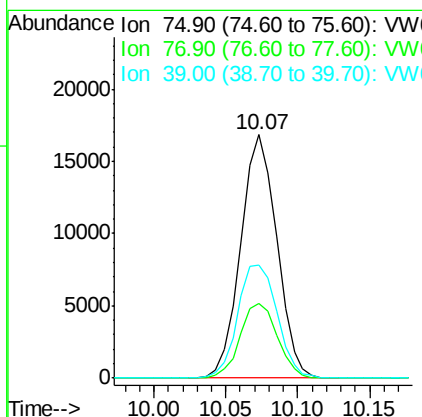
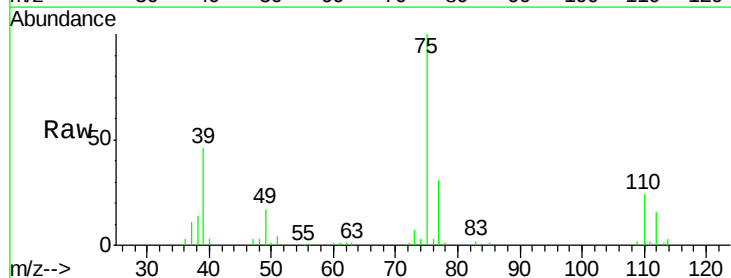
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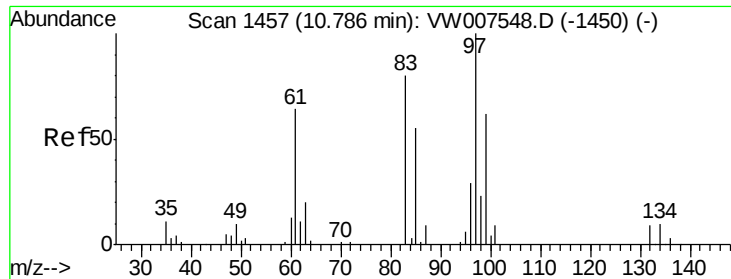
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#54
 cis-1,3-Dichloropropene
 Concen: 21.414 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 75 Resp: 29277
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.8 37.2
 39 46.4 40.9 61.3





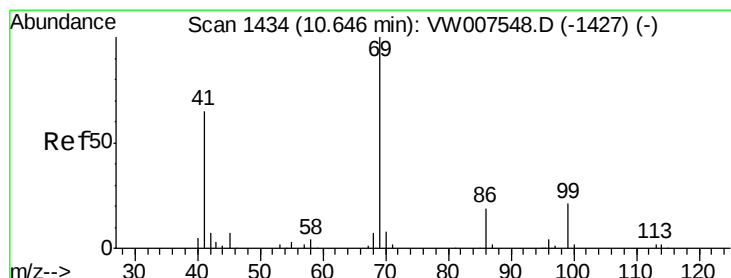
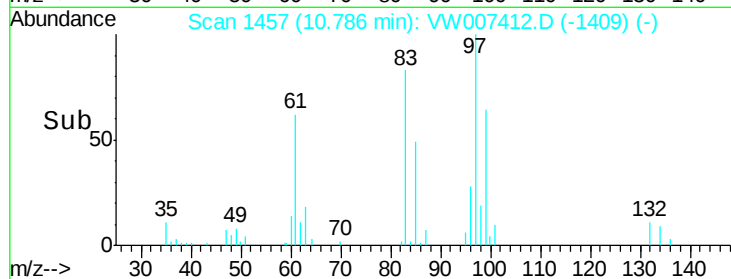
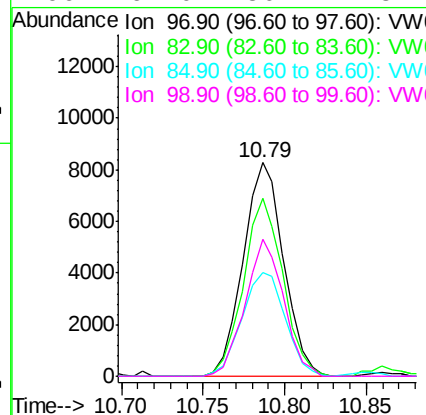
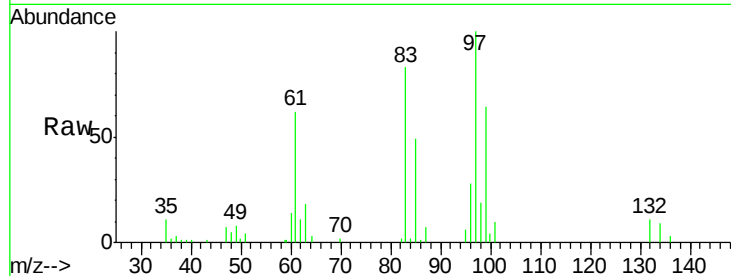
#55
 1,1,2-Trichloroethane
 Concen: 22.553 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	14256		
83	83.5	62.1	93.1	
85	48.6	44.2	66.4	
99	64.0	50.2	75.4	

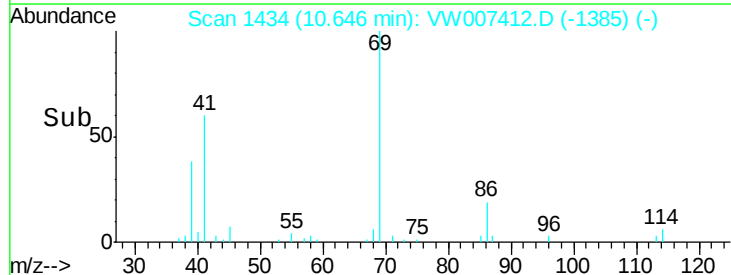
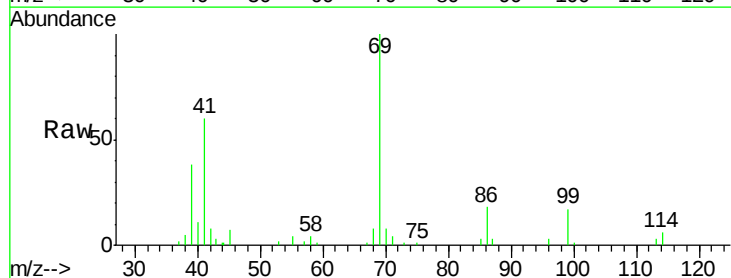
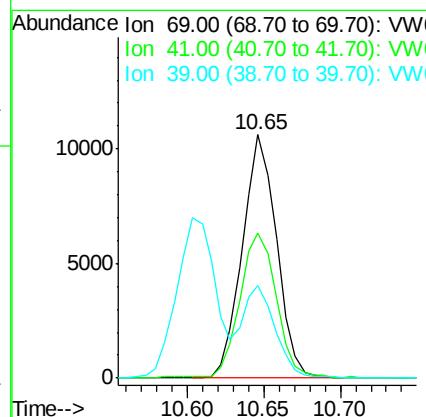
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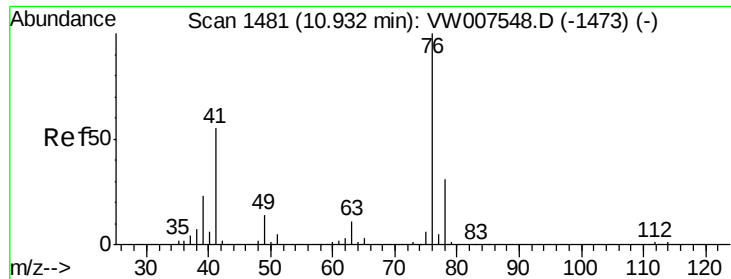
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#56
 Ethyl methacrylate
 Concen: 21.695 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	16483		
41	64.4	51.0	76.6	
39	36.7	30.8	46.2	





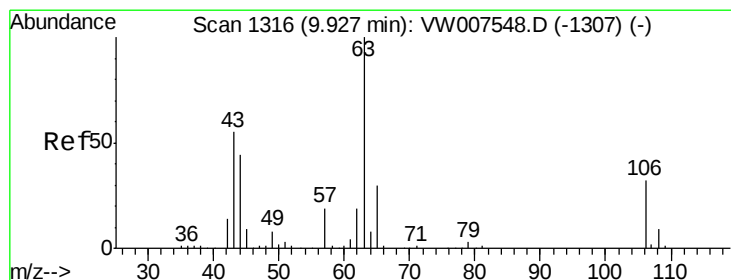
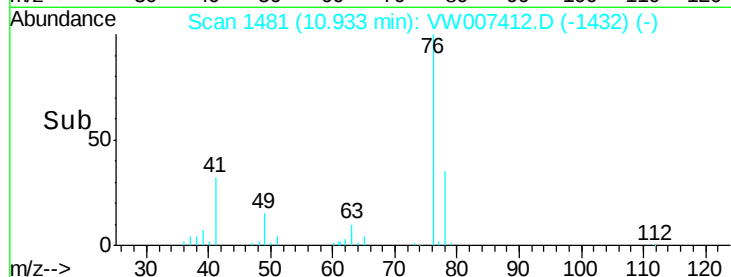
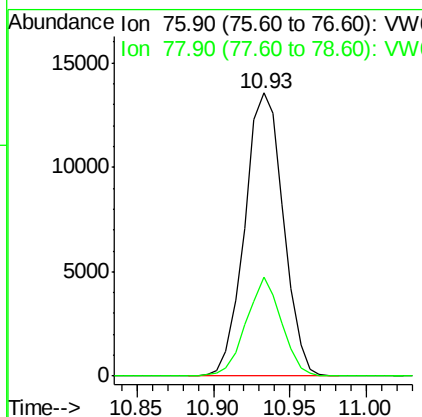
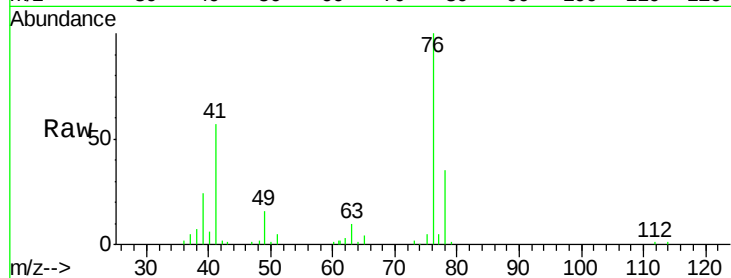
#57
 1,3-Dichloropropane
 Concen: 22.967 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion: 76 Resp: 23828
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

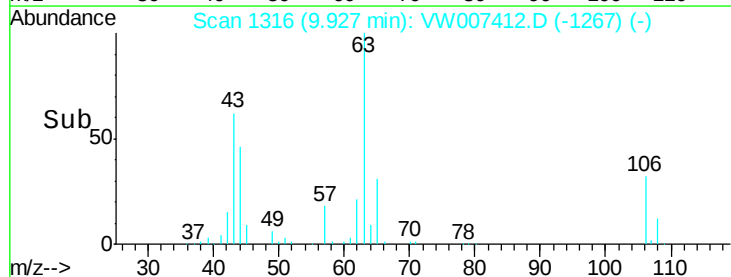
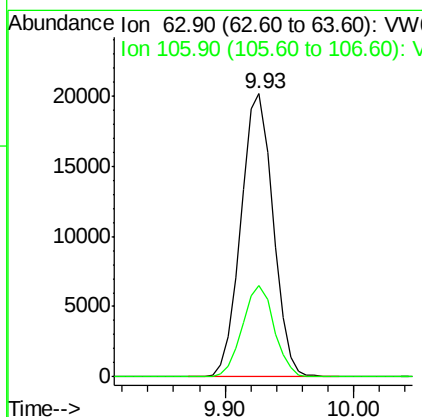
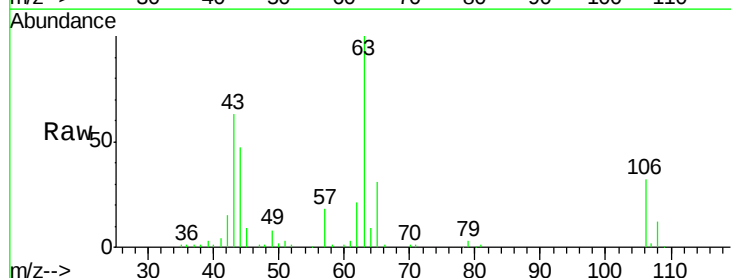
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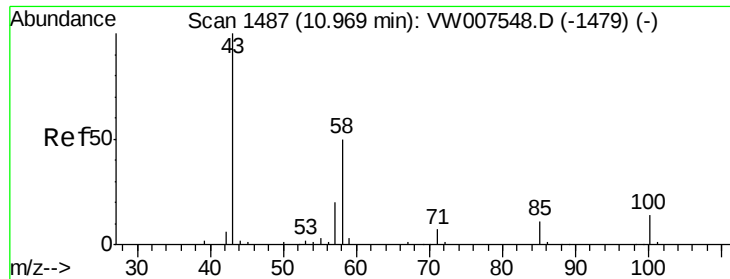
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.206 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 63 Resp: 34758
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.0 37.6





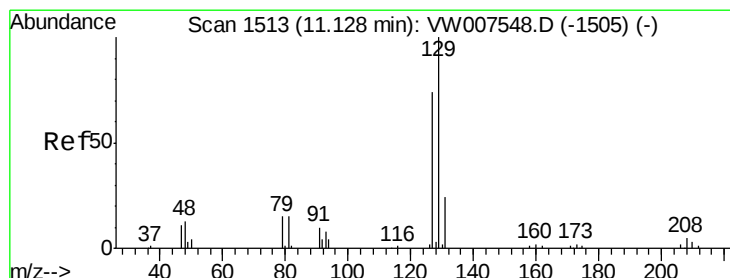
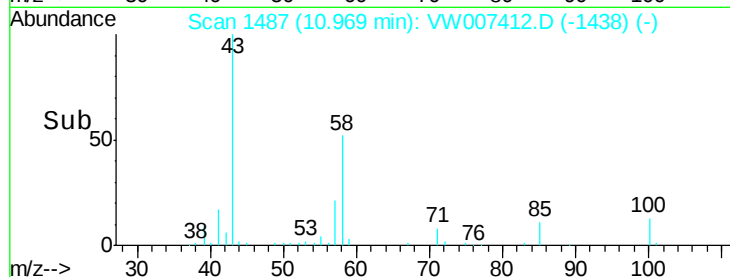
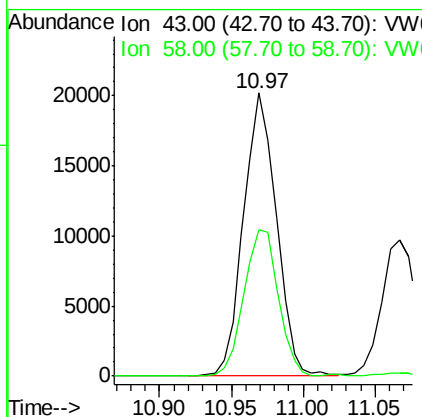
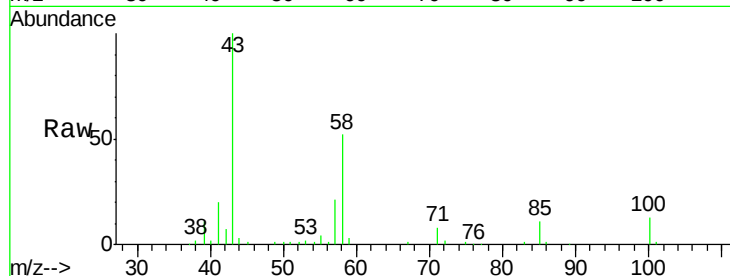
#59
2-Hexanone
Concen: 108.516 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 43 Resp: 31988
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.3

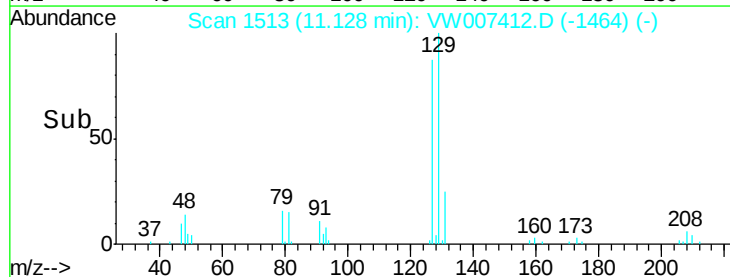
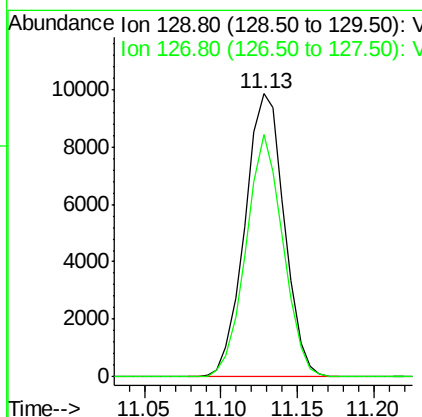
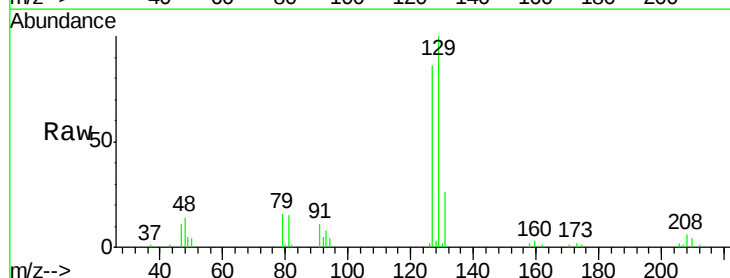
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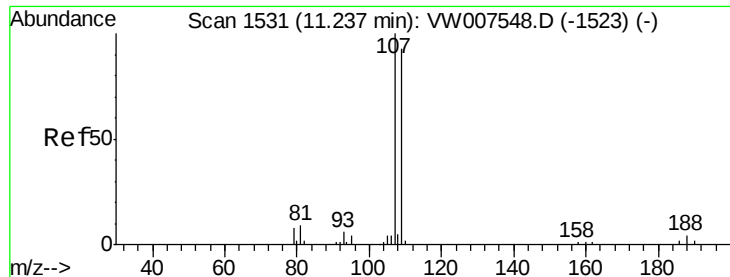
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#60
Dibromochloromethane
Concen: 22.081 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 129 Resp: 17614
Ion Ratio Lower Upper
129 100
127 80.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 22.708 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion: 107 Resp: 14185

Ion Ratio Lower Upper

107 100

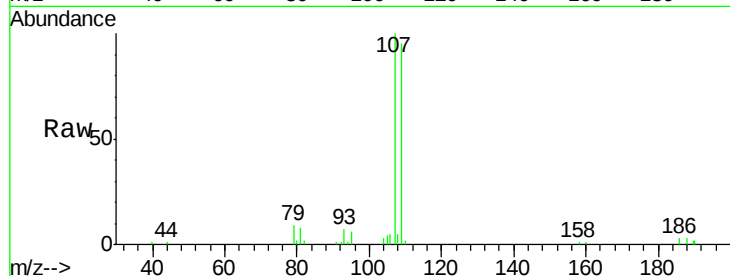
109 92.1 79.1 118.7

Manual Integrations

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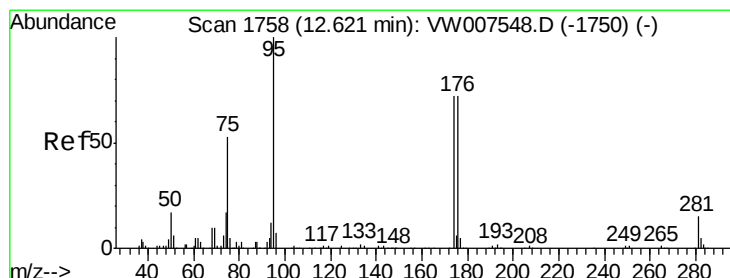
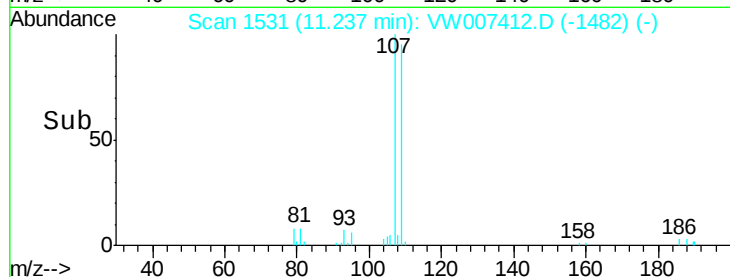
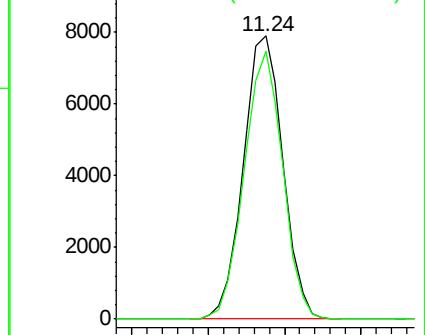
apatel

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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: 58.729 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

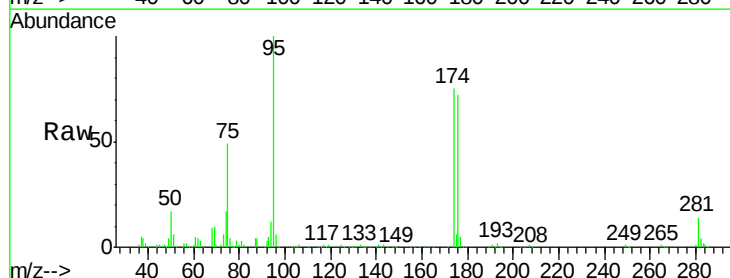
Tgt Ion: 95 Resp: 68418

Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.2

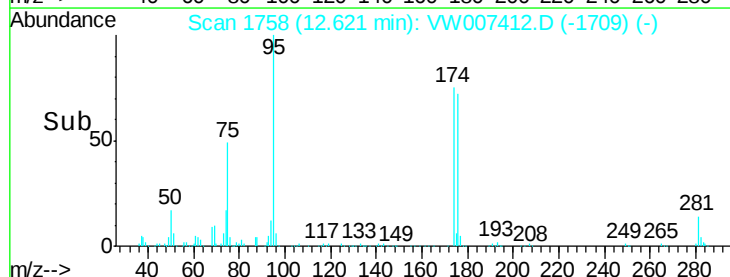
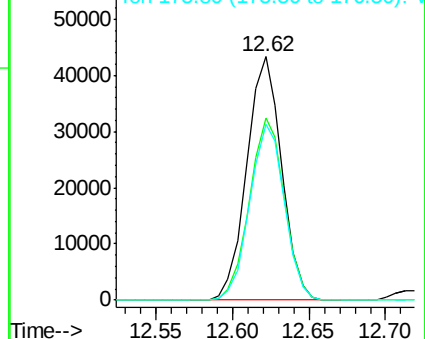
176 72.1 0.0 138.8

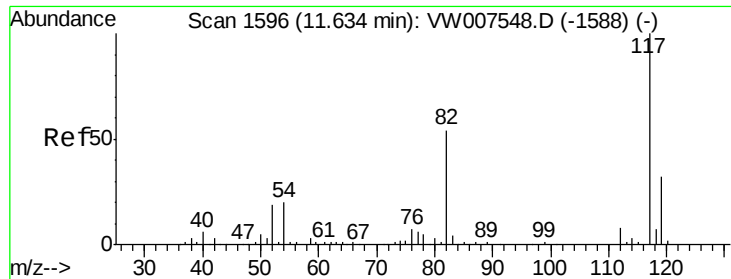


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





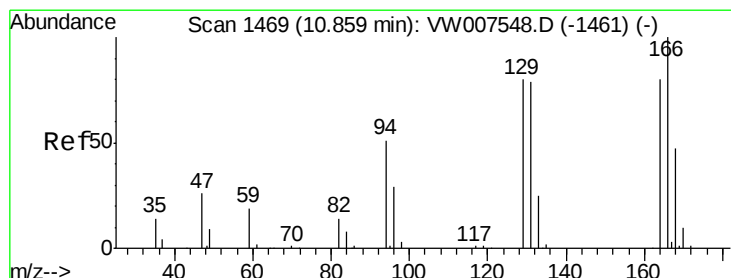
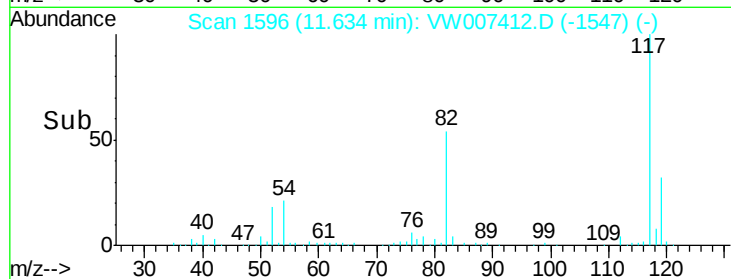
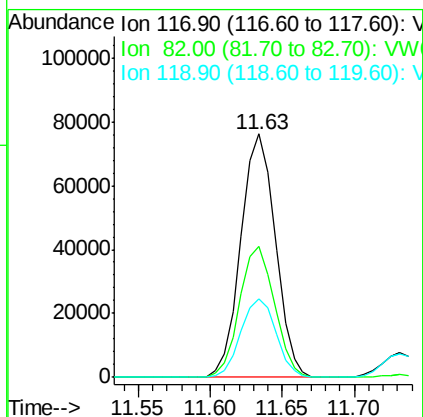
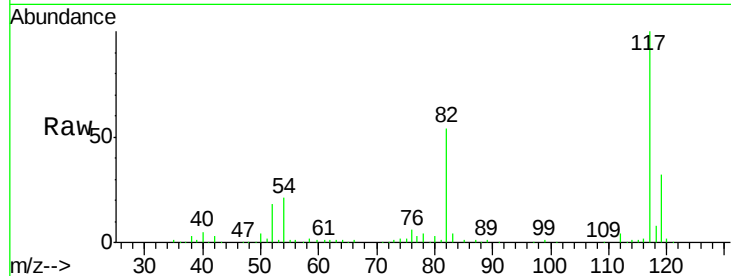
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	127075		
82	53.6	42.3	63.5	
119	32.3	23.0	34.6	

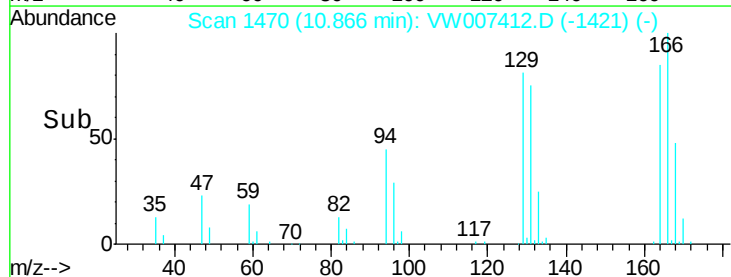
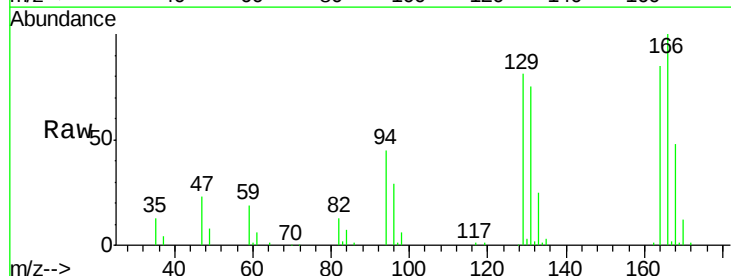
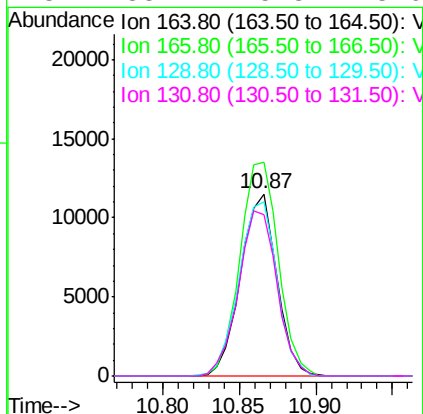
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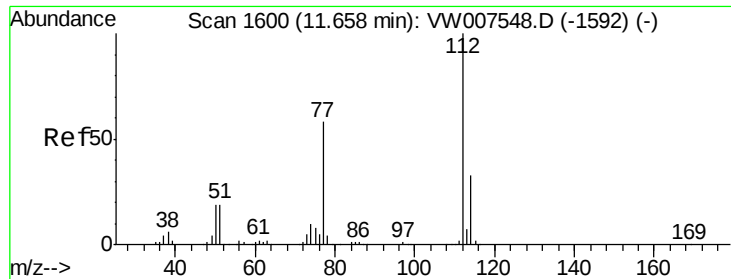
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#64
Tetrachloroethene
Concen: 20.746 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18958		
166	117.3	107.9	161.9	
129	95.6	73.4	110.2	
131	88.4	75.8	113.6	





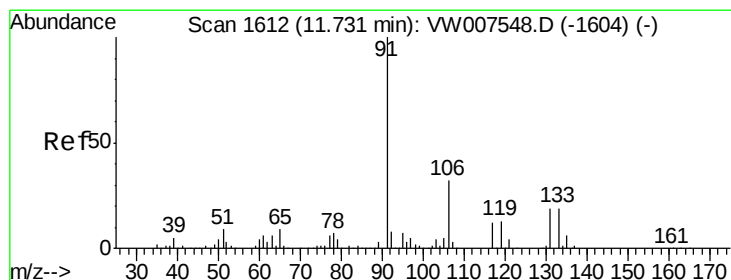
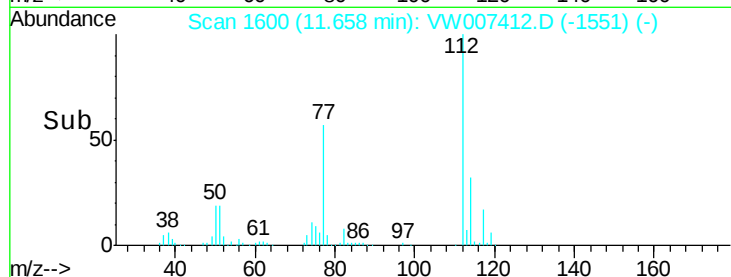
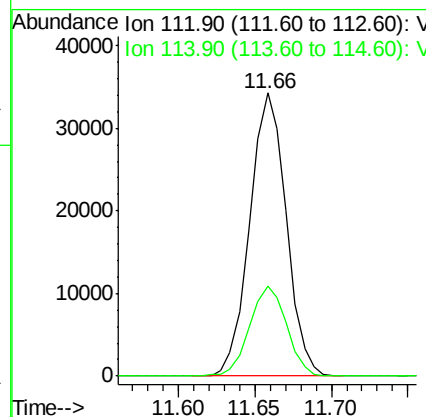
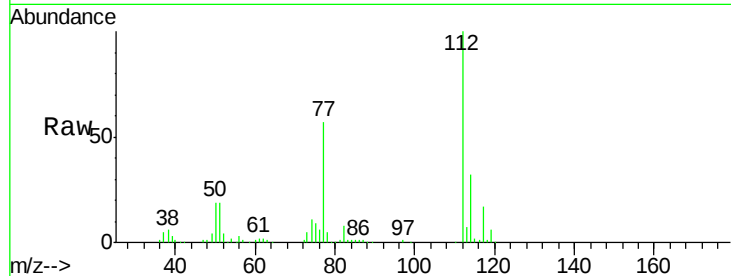
#65
Chlorobenzene
Concen: 21.485 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	56905		
114	31.8	27.8	41.8	

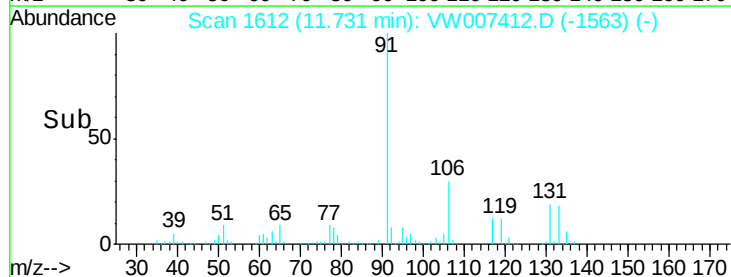
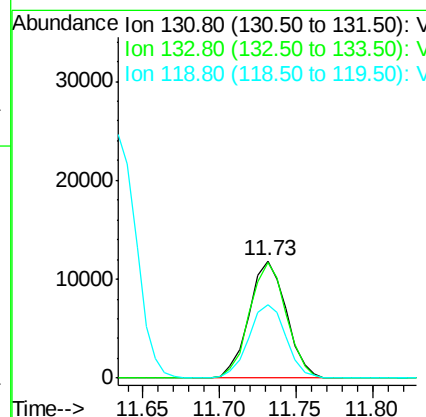
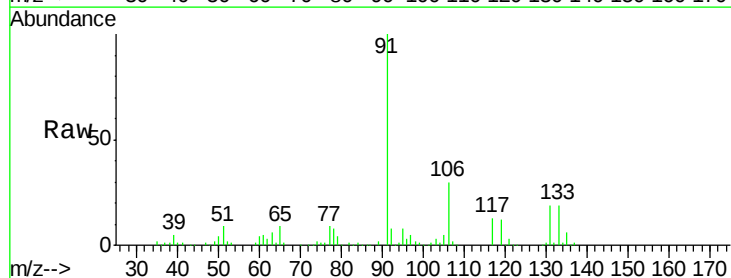
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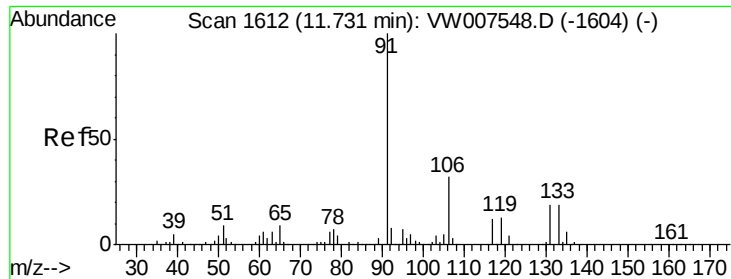
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.551 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	20104		
133	97.0	47.1	141.4	
119	62.8	31.3	93.9	





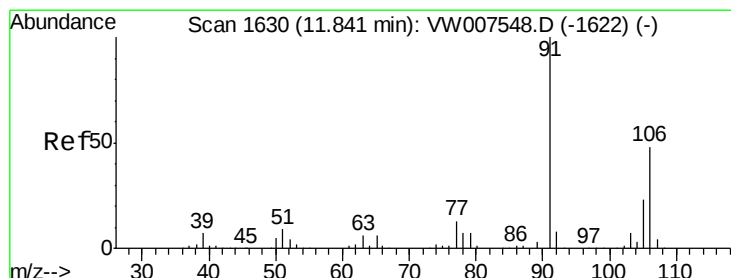
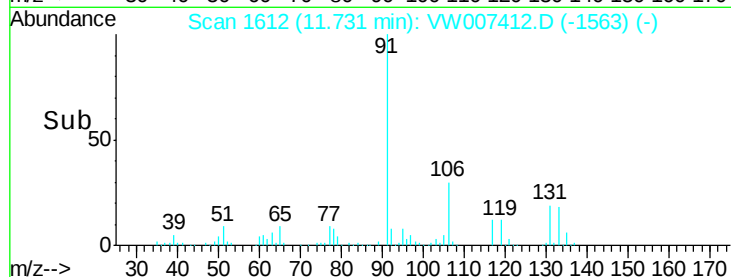
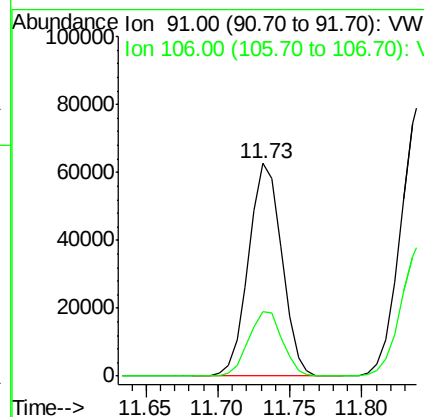
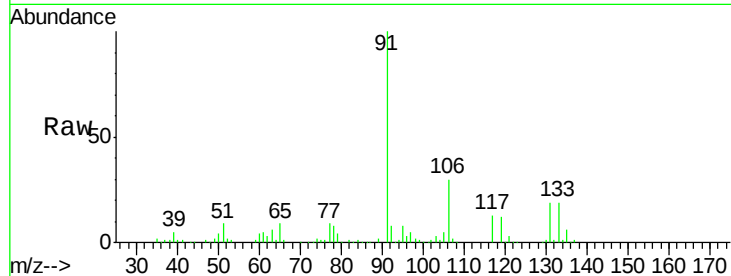
#67
Ethyl Benzene
Concen: 22.033 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 91 Resp: 100334
Ion Ratio Lower Upper
91 100
106 30.4 21.8 32.8

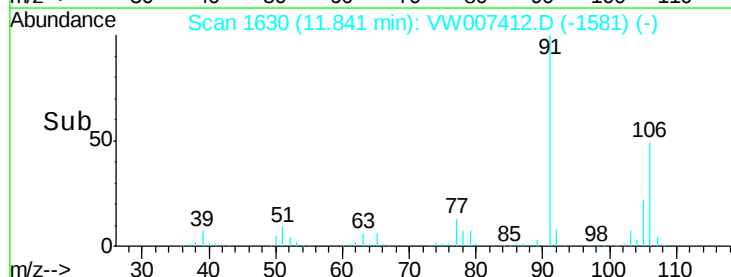
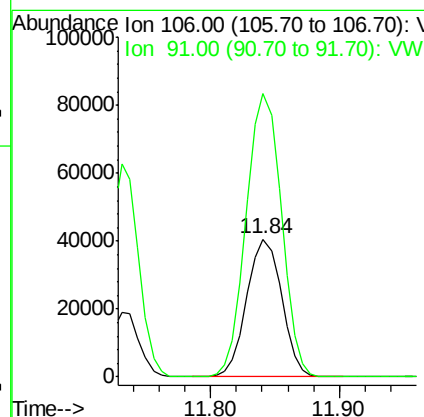
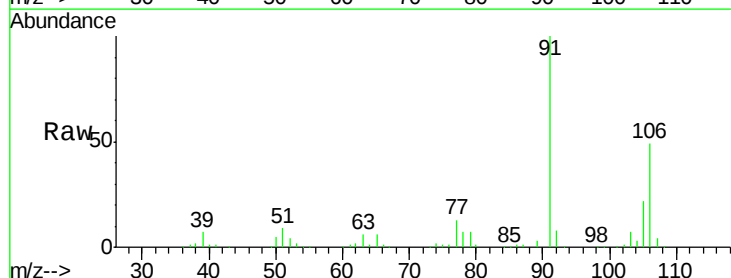
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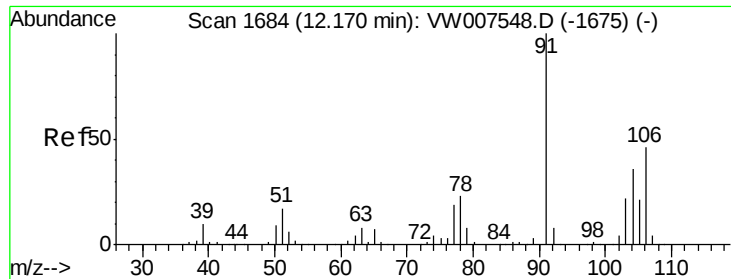
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#68
m/p-Xylenes
Concen: 43.221 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 106 Resp: 76514
Ion Ratio Lower Upper
106 100
91 206.9 165.3 247.9





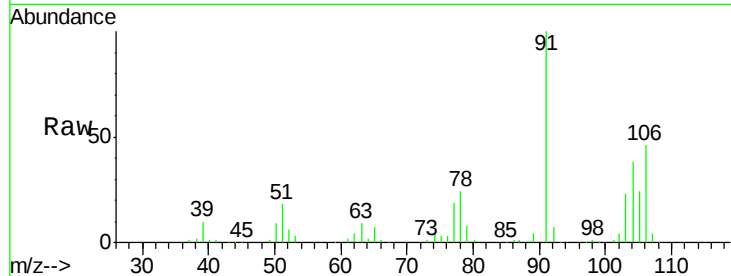
#69
o-Xylene
Concen: 21.542 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

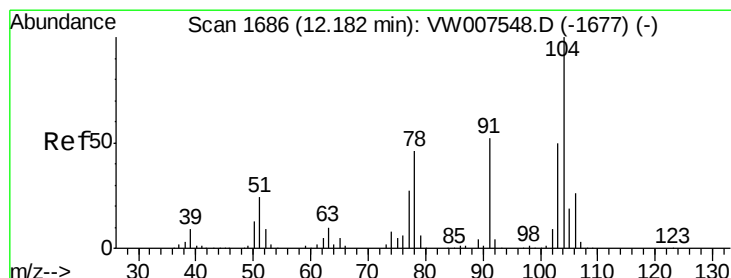
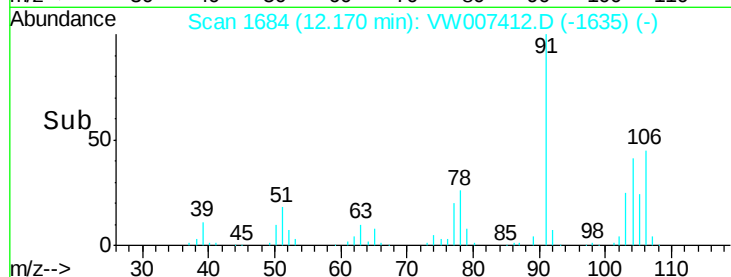
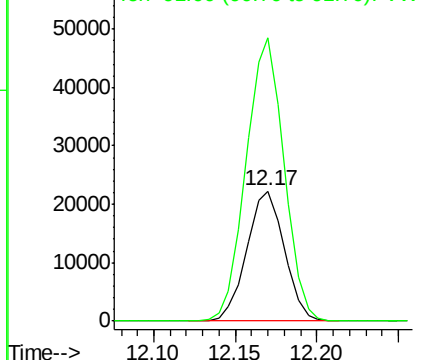
Tgt Ion:106 Resp: 35617
Ion Ratio Lower Upper
106 100
91 220.2 106.6 319.8

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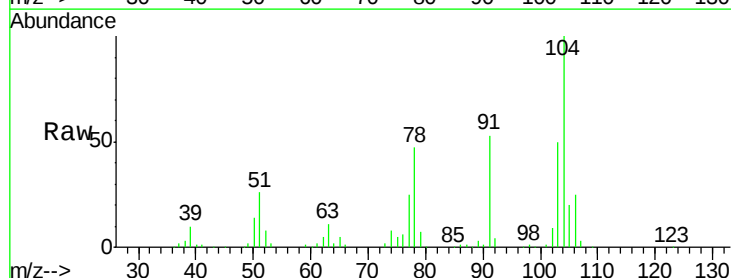


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

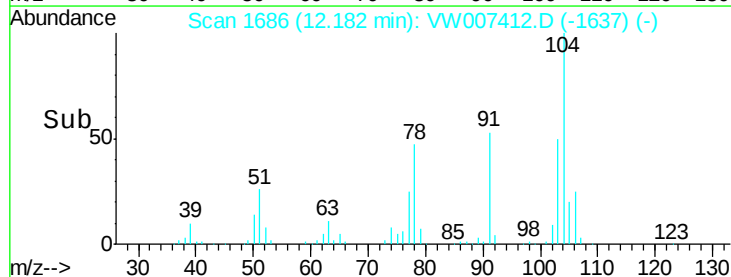
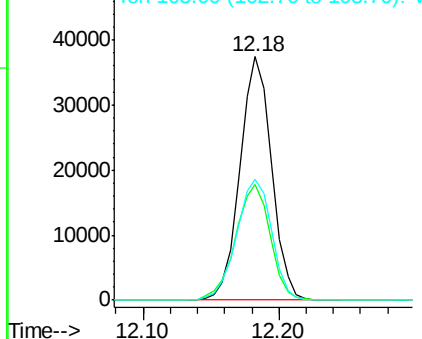


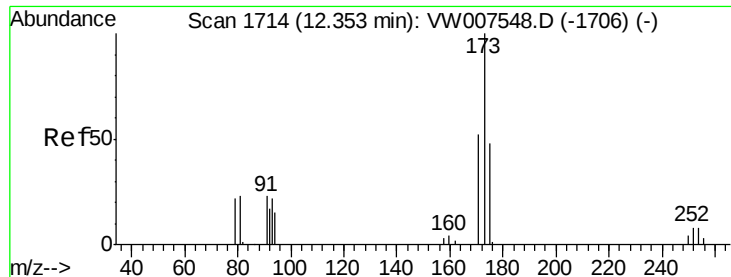
#70
Styrene
Concen: 22.748 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion:104 Resp: 60748
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 55.3 46.6 69.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.125 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

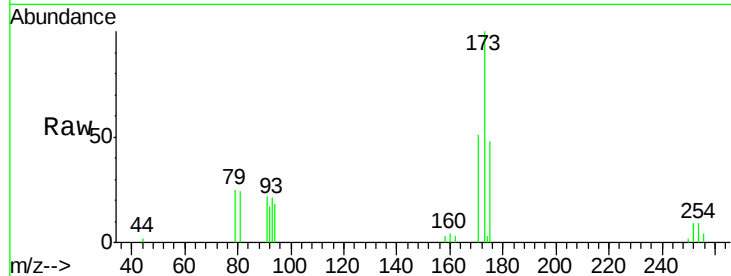
ClientSampleId :

VW1213SBS01

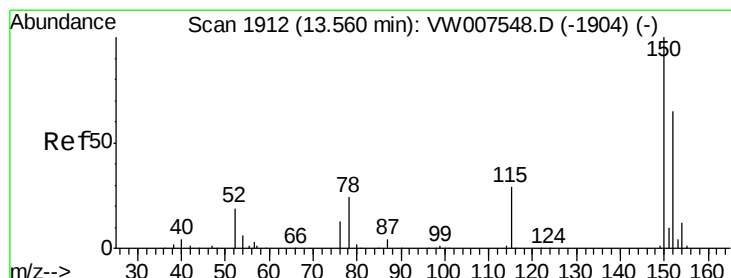
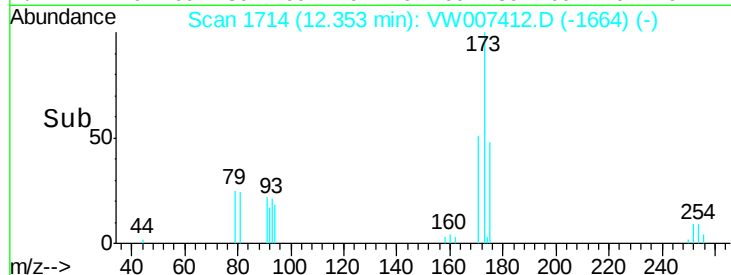
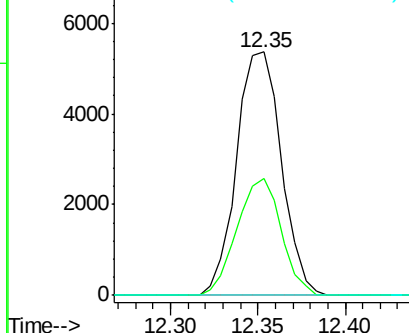
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.6	70.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

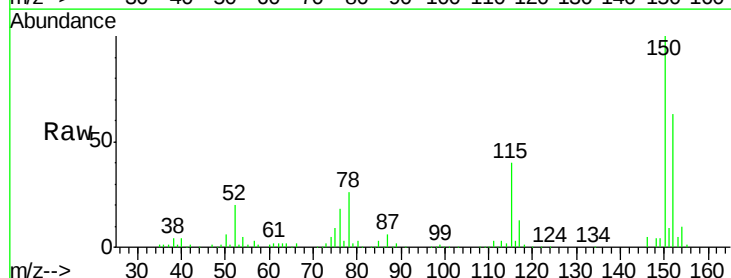
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

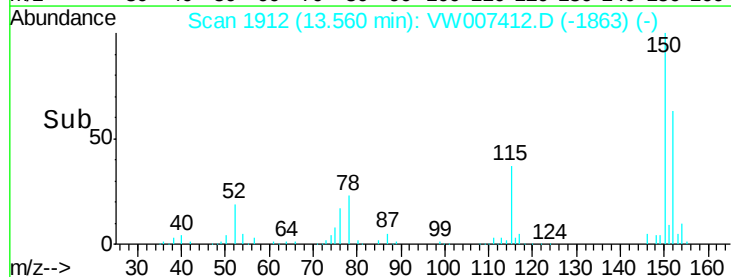
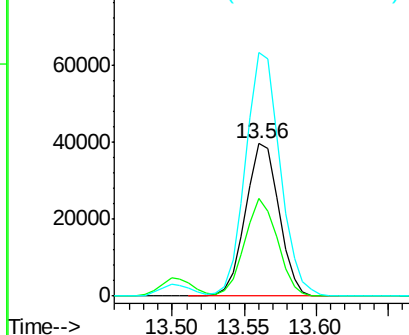
Lab File: VW007412.D

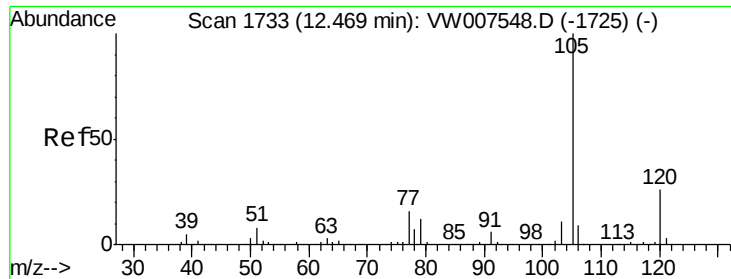
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.4	94.2
150	164.6	0.0	358.4



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





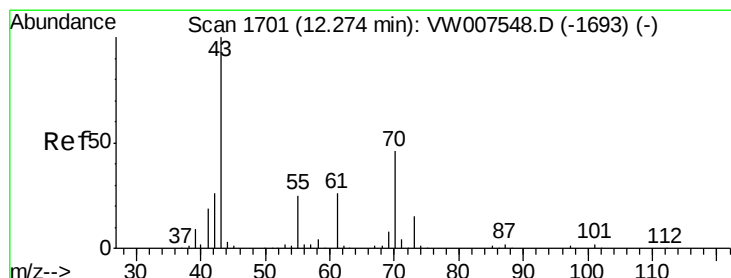
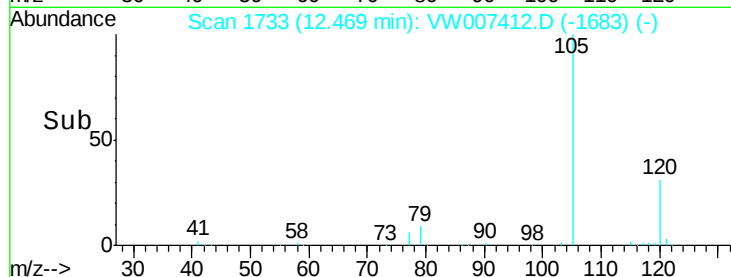
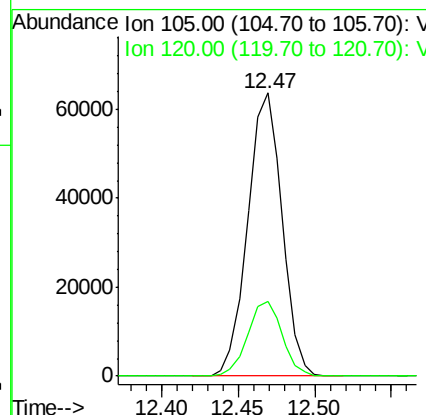
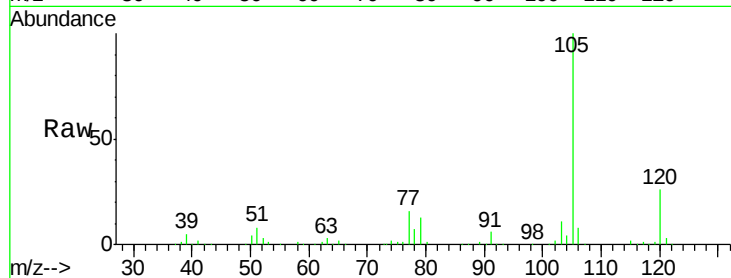
#73
Isopropylbenzene
Concen: 20.395 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 105 Resp: 99441
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4

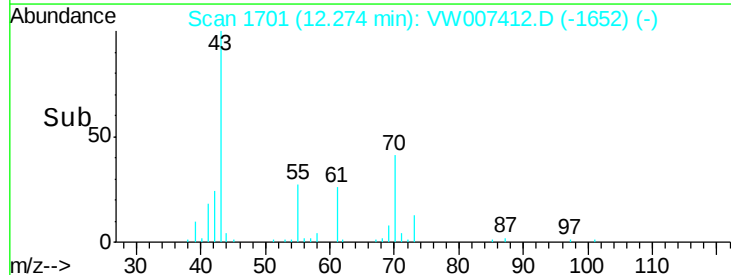
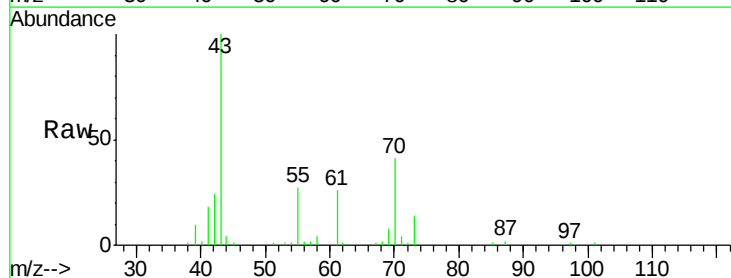
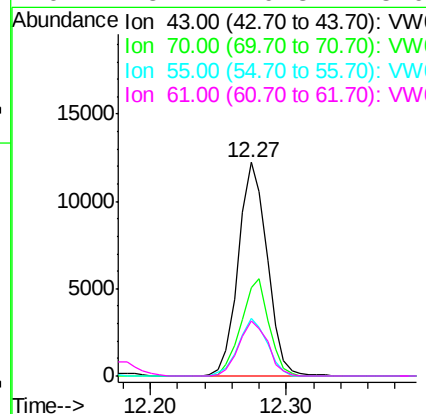
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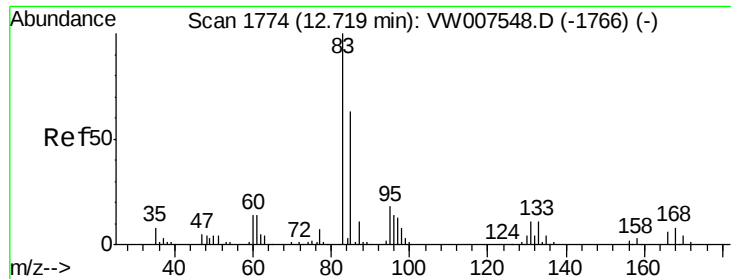
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#74
N-ethyl acetate
Concen: 20.437 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 43 Resp: 18110
Ion Ratio Lower Upper
43 100
70 43.7 36.5 54.7
55 26.7 20.1 30.1
61 25.7 19.3 28.9





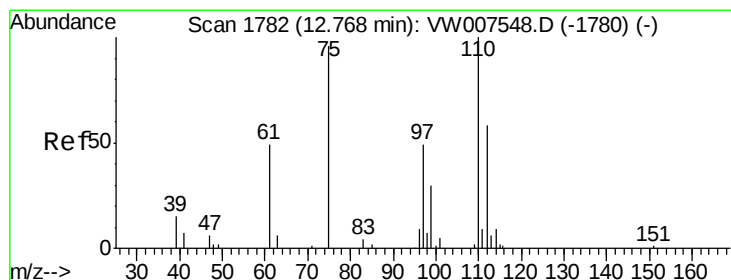
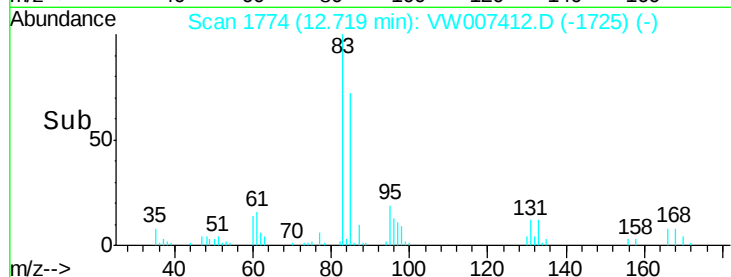
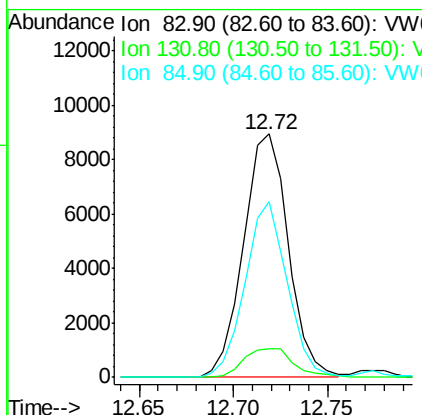
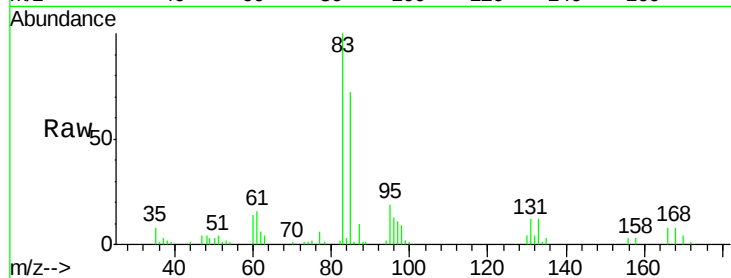
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.472 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	14784		
131	13.4	5.9	17.8	
85	67.8	30.0	90.0	

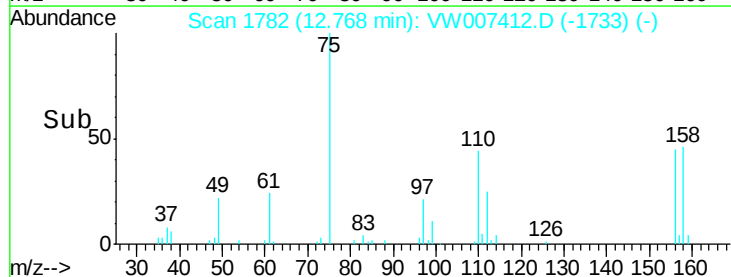
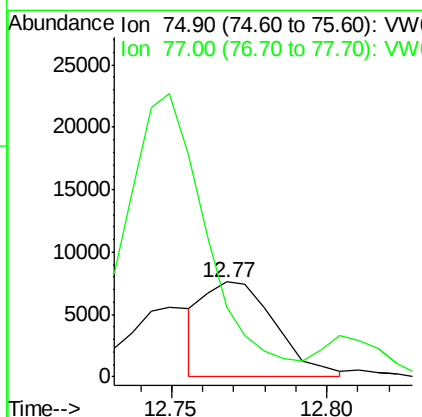
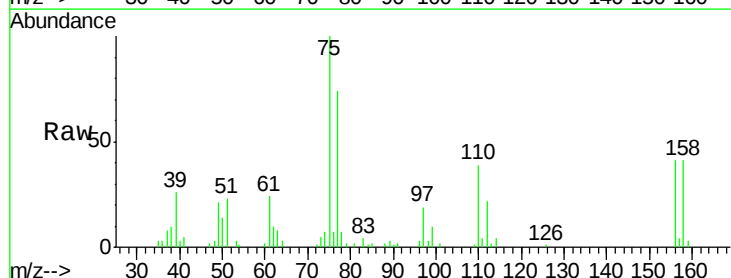
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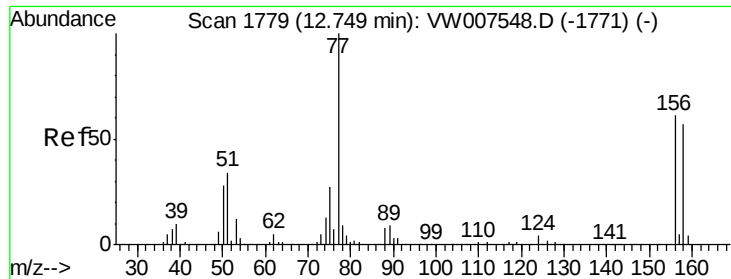
apatel
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#76
 1,2,3-Trichloropropane
 Concen: 23.108 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12124		
77	340.4	166.9	500.8	





#77

Bromobenzene

Concen: 21.146 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

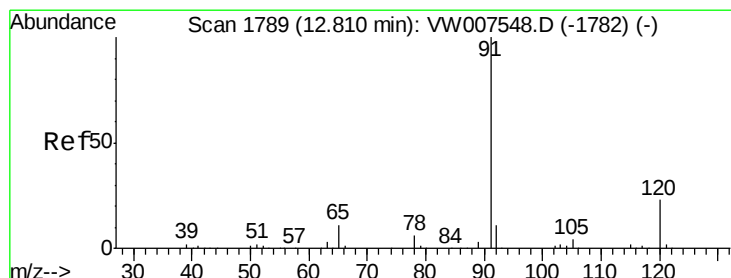
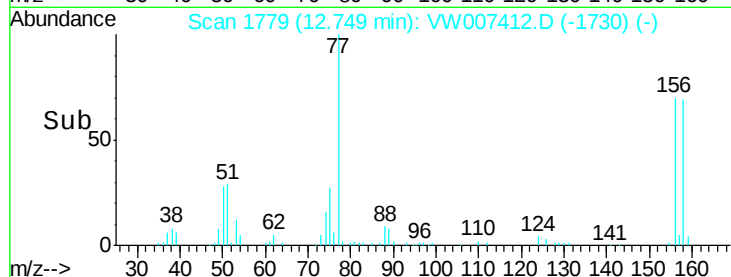
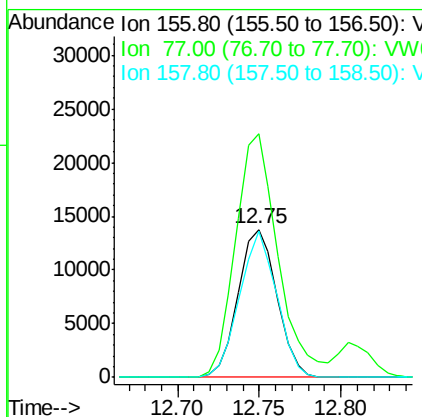
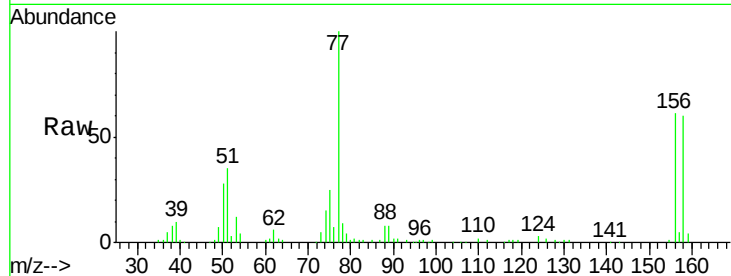
ClientSampleId :

VW1213SBS01

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.6	88.1	264.4	
158	94.6	45.6	136.7	

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#78

n-propylbenzene

Concen: 21.548 ug/l

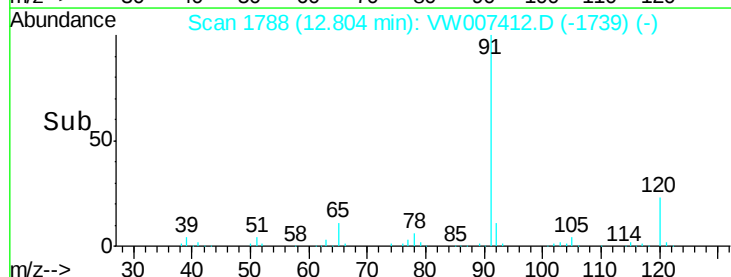
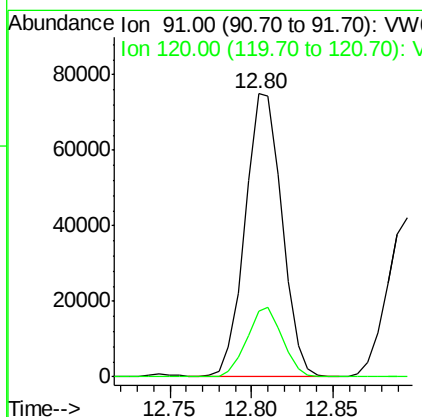
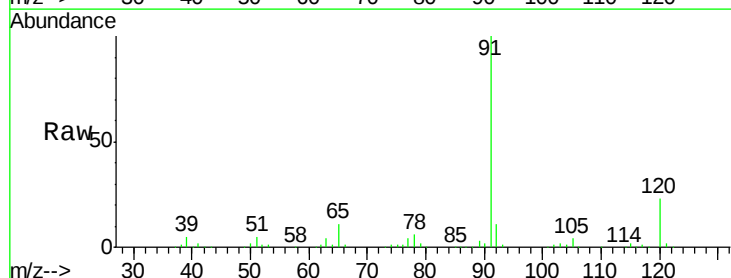
RT: 12.80 min Scan# 1788

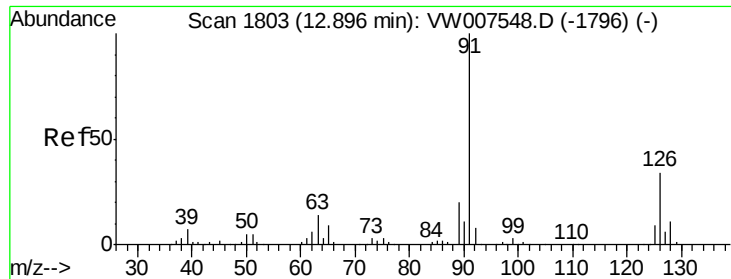
Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.9	35.5	





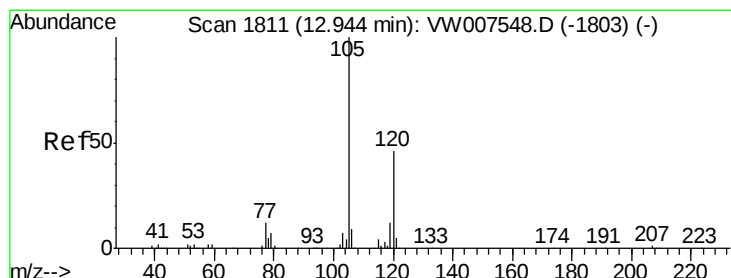
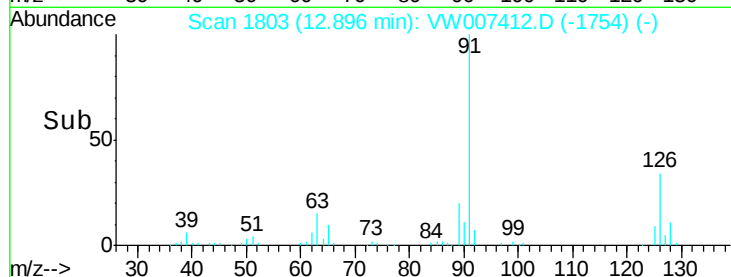
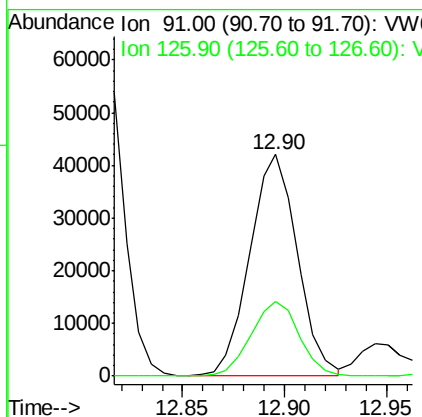
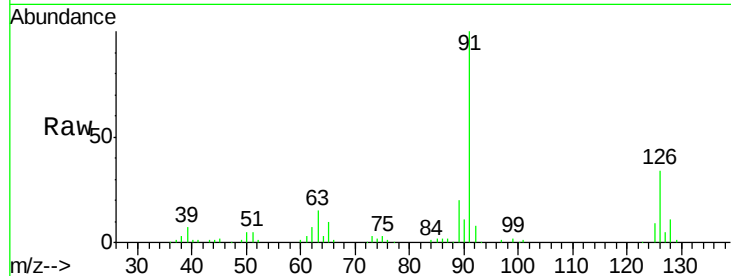
#79
 2-Chlorotoluene
 Concen: 20.531 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion: 91 Resp: 68165
 Ion Ratio Lower Upper
 91 100
 126 34.2 15.9 47.6

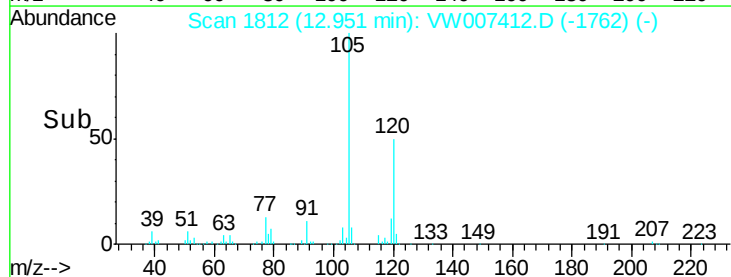
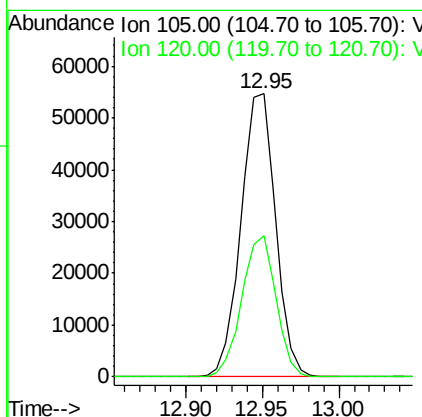
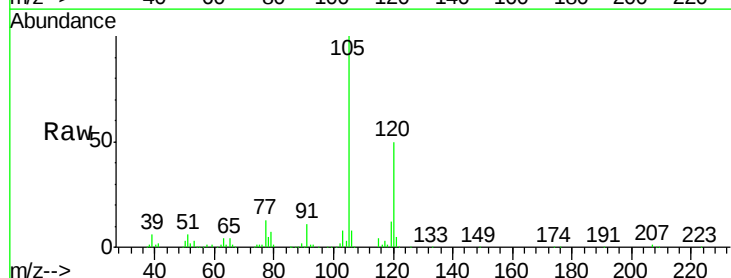
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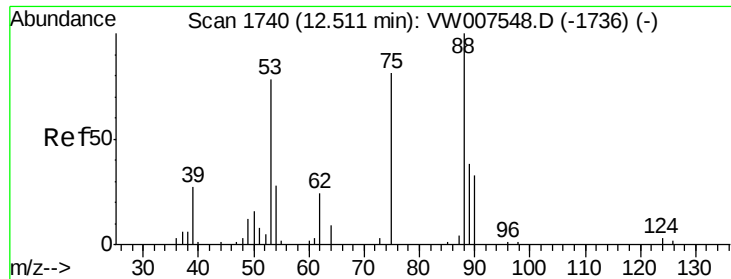
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.001 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion: 105 Resp: 86039
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.8 71.4





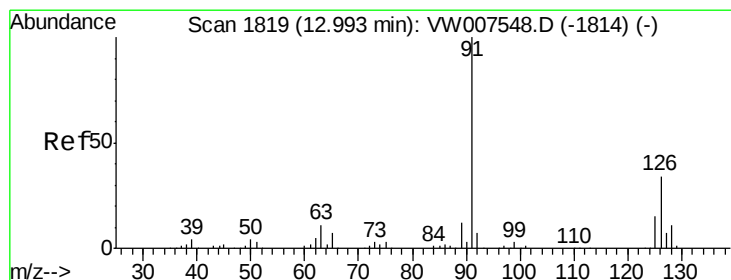
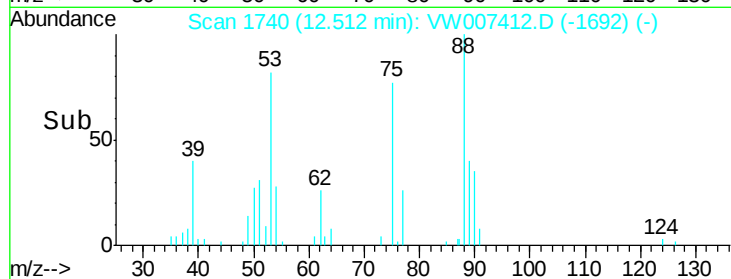
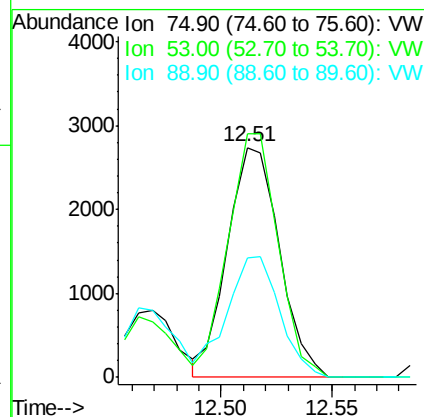
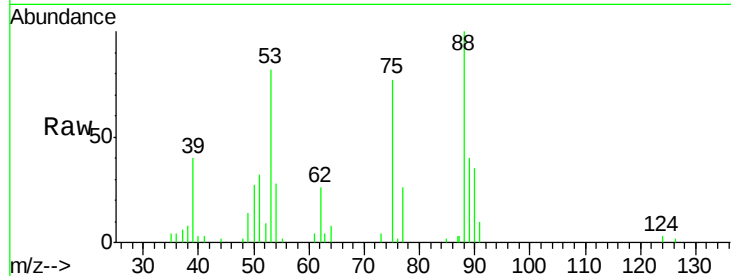
#81
trans-1,4-Dichloro-2-butene
Concen: 18.829 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 75 Resp: 4472
Ion Ratio Lower Upper
75 100
53 101.5 84.9 127.3
89 53.3 40.3 60.5

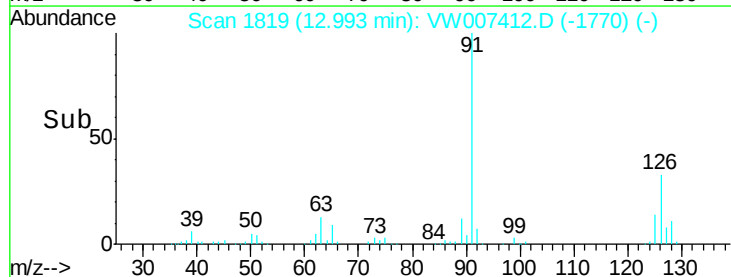
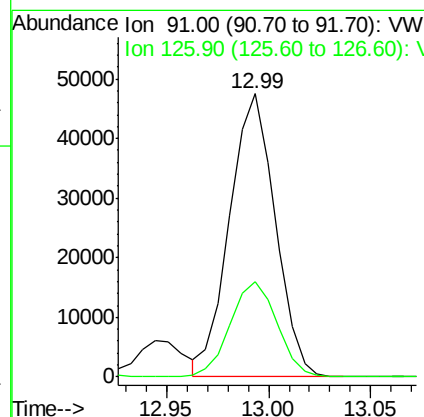
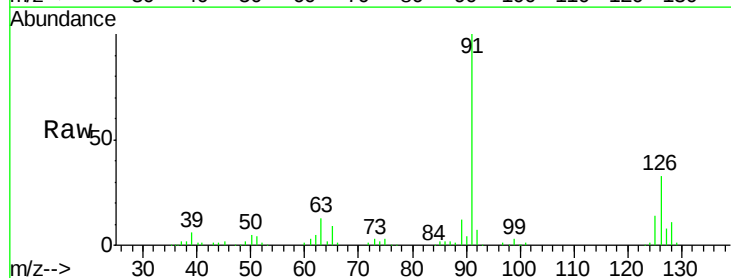
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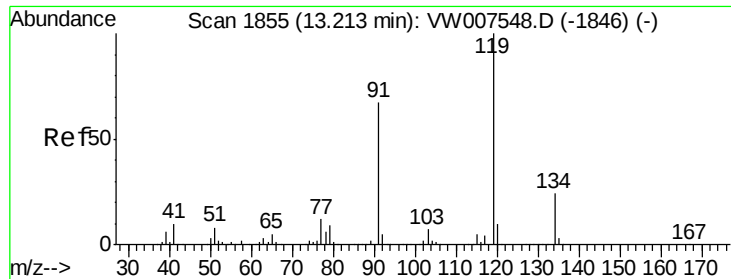
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#82
4-Chlorotoluene
Concen: 21.050 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 91 Resp: 73672
Ion Ratio Lower Upper
91 100
126 34.4 16.0 48.0





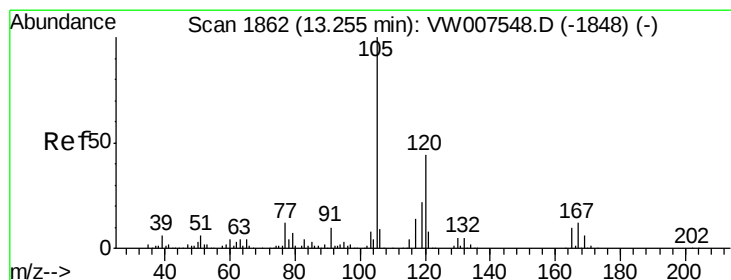
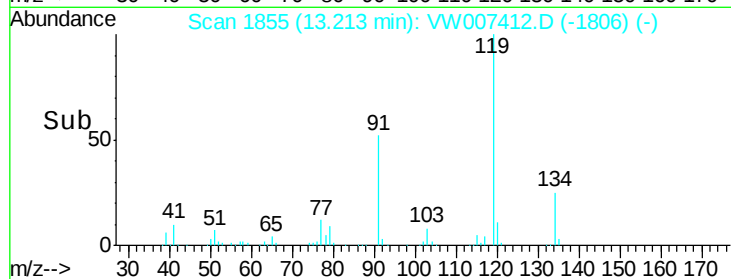
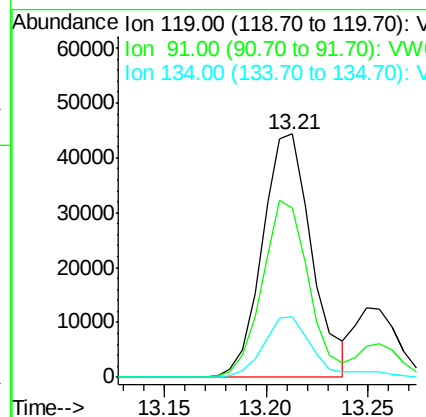
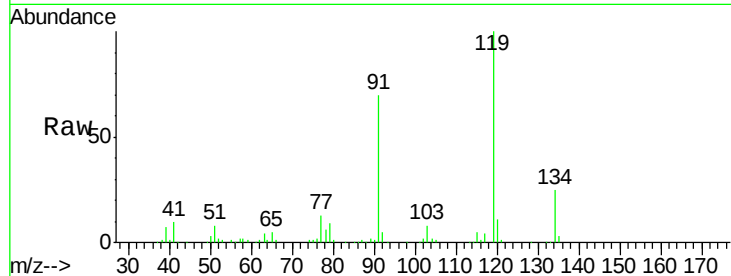
#83
tert-Butylbenzene
Concen: 20.751 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.1	99.2
134	25.6	12.5	37.5

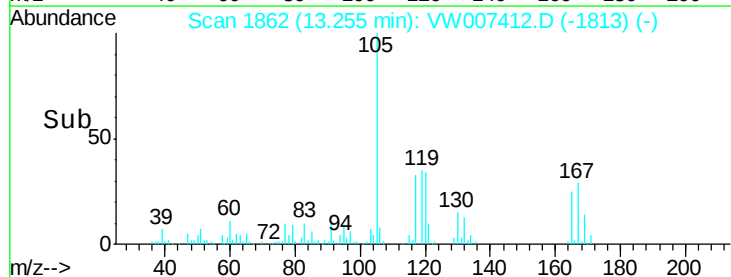
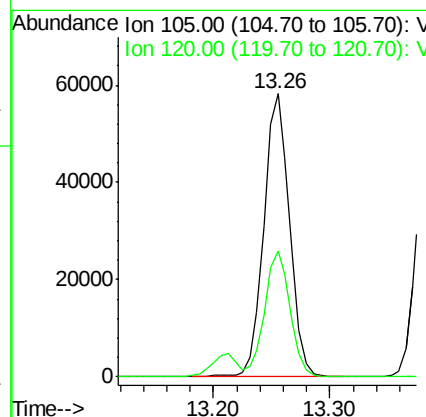
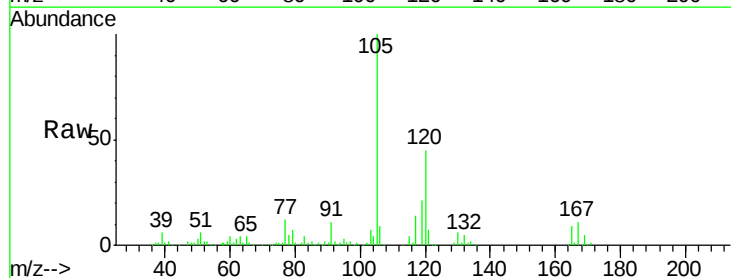
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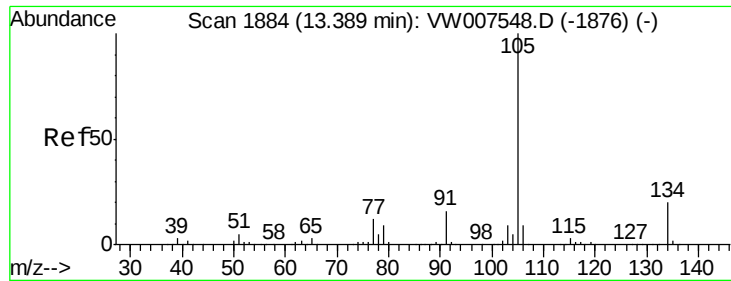
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#84
1,2,4-Trimethylbenzene
Concen: 21.255 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.304 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

ClientSampleId :

VW1213SBS01

Tgt Ion:105 Resp: 104983

Ion Ratio Lower Upper

105 100

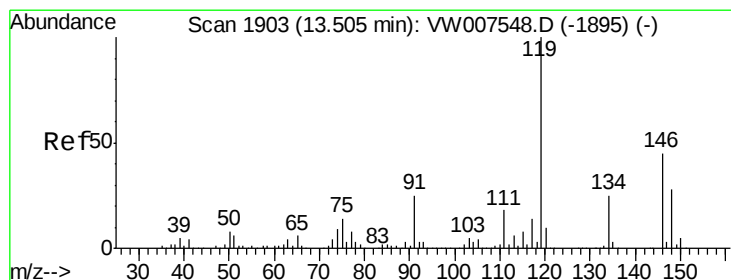
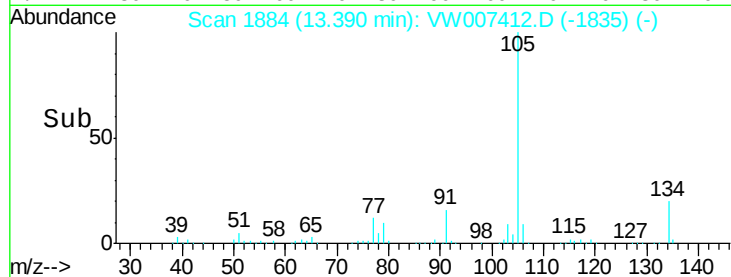
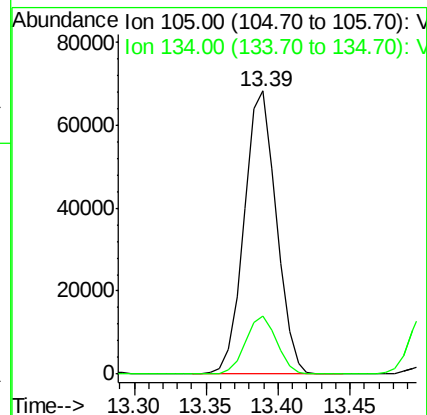
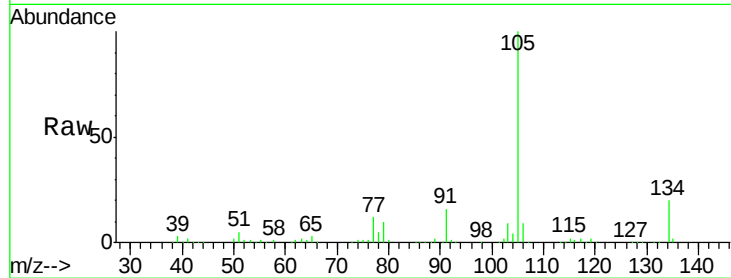
134 20.0 11.1 33.3

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#86

p-Isopropyltoluene

Concen: 21.386 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

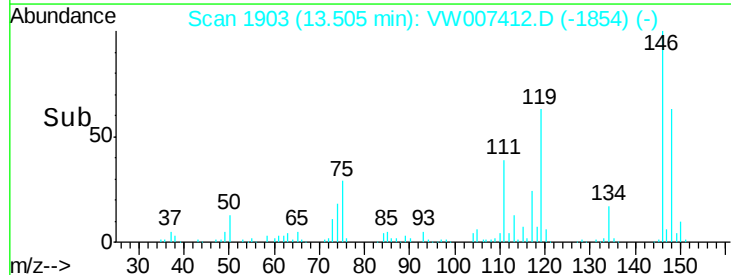
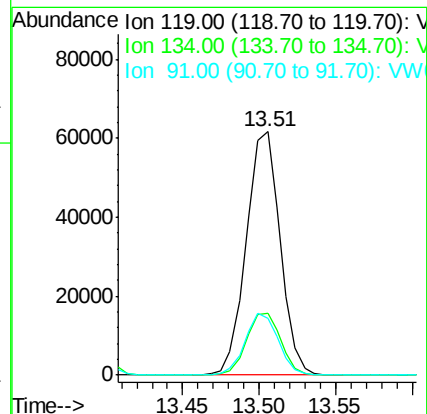
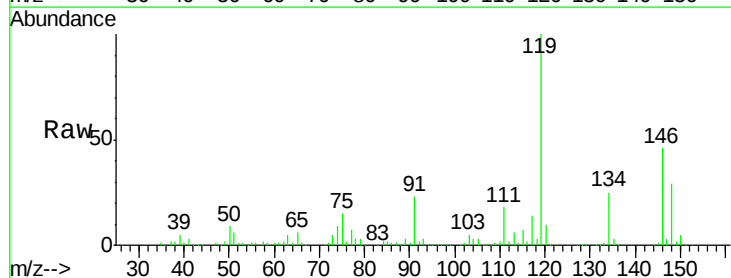
Tgt Ion:119 Resp: 94678

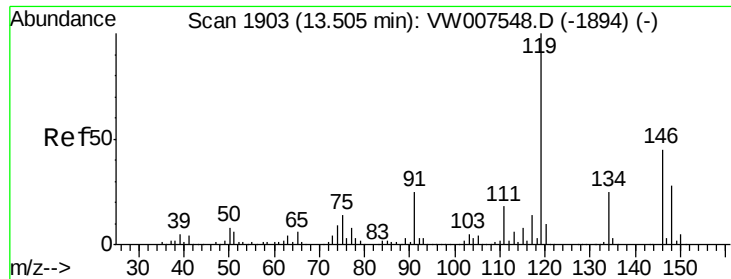
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 24.9 11.9 35.9





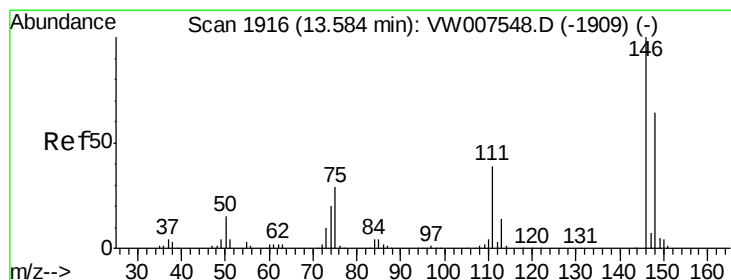
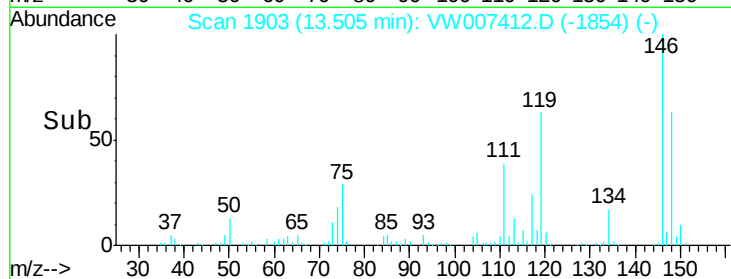
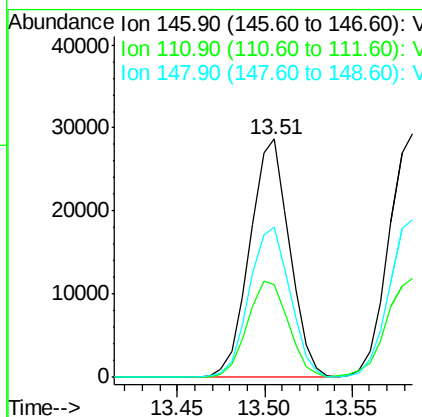
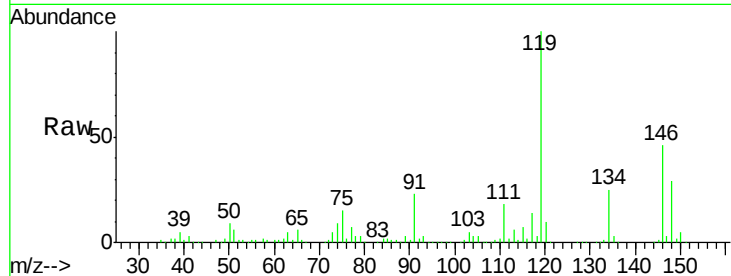
#87
 1,3-Dichlorobenzene
 Concen: 21.027 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.3
148	64.6	31.4	94.0

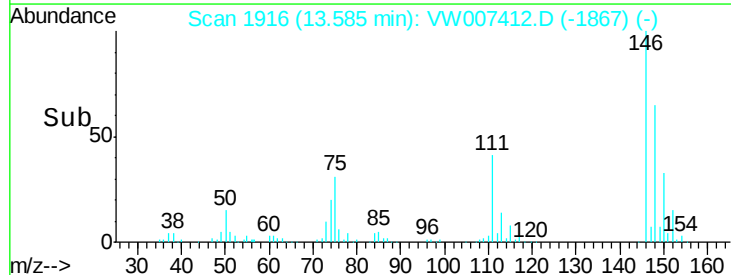
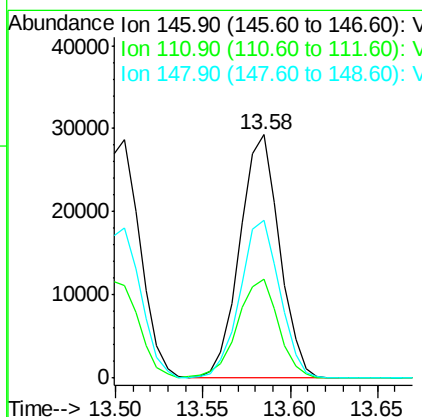
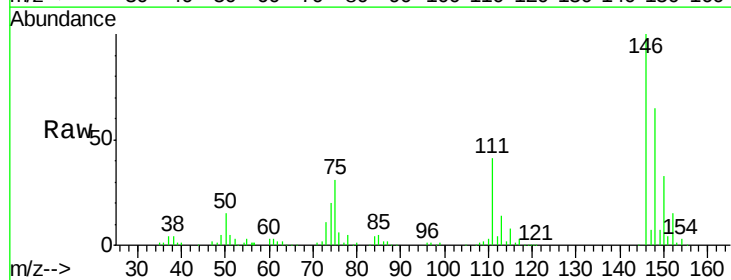
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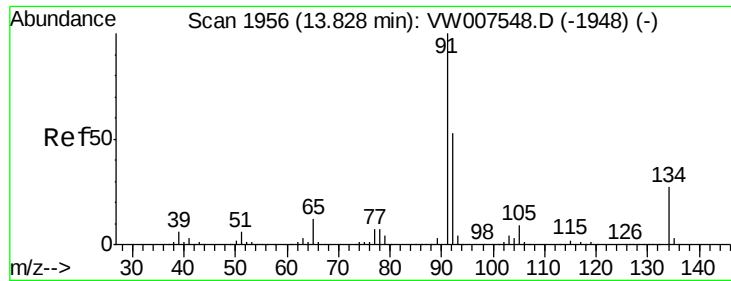
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#88
 1,4-Dichlorobenzene
 Concen: 21.360 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	65.0	33.5	100.5





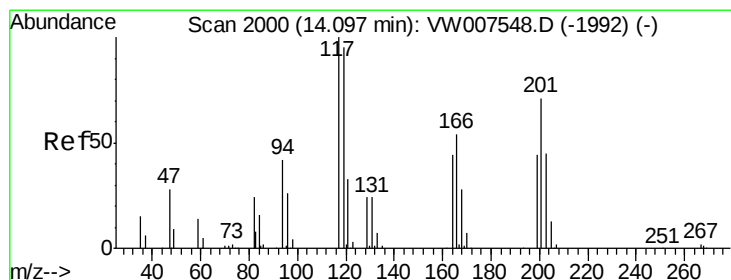
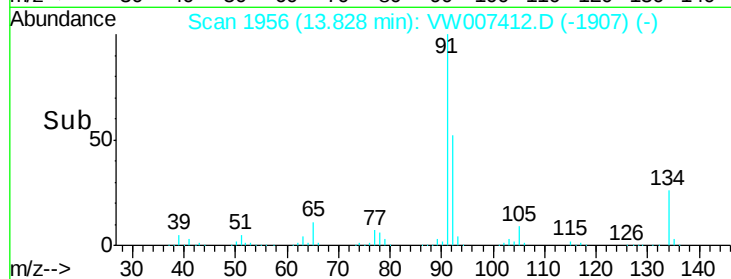
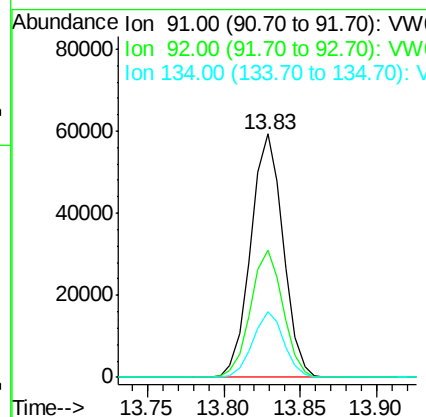
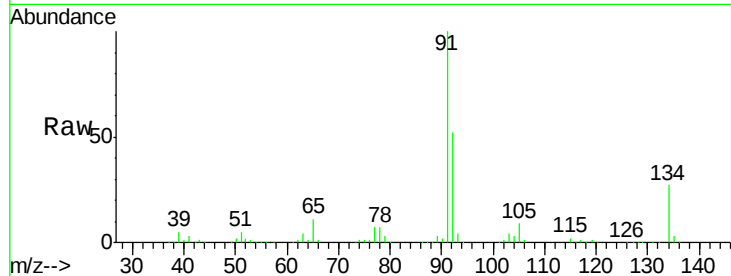
#89
n-Butylbenzene
Concen: 21.302 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Instrument :
MSVOA_W
ClientSampleId :
VW1213SBS01

Tgt Ion: 91 Resp: 87427
Ion Ratio Lower Upper
91 100
92 52.5 25.7 77.1
134 26.0 13.4 40.2

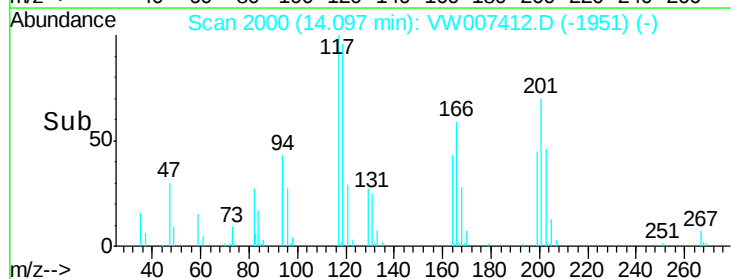
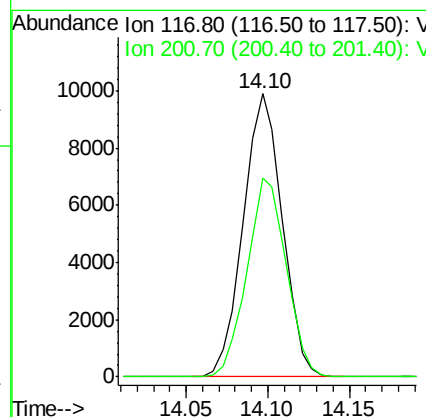
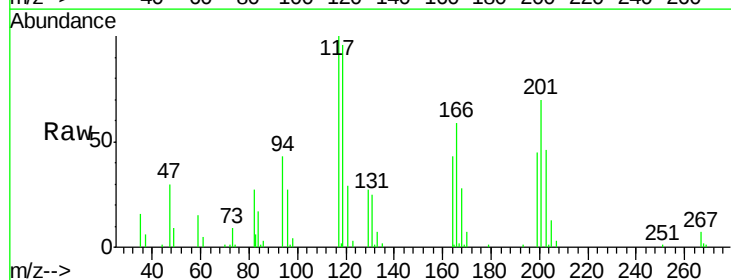
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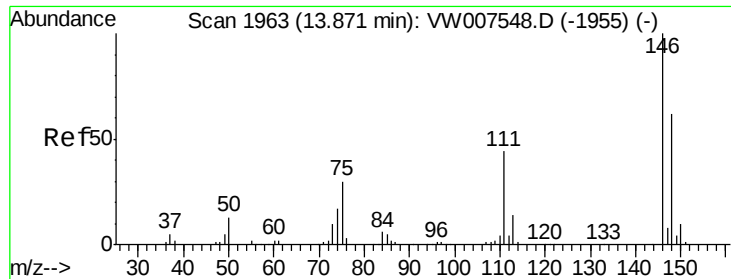
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#90
Hexachloroethane
Concen: 20.937 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007412.D
Acq: 12 Dec 2018 00:29

Tgt Ion: 117 Resp: 16492
Ion Ratio Lower Upper
117 100
201 70.7 35.3 105.9





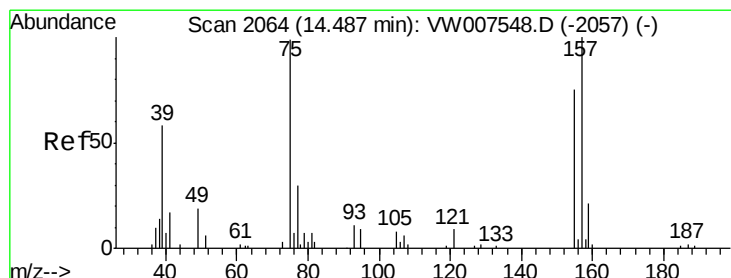
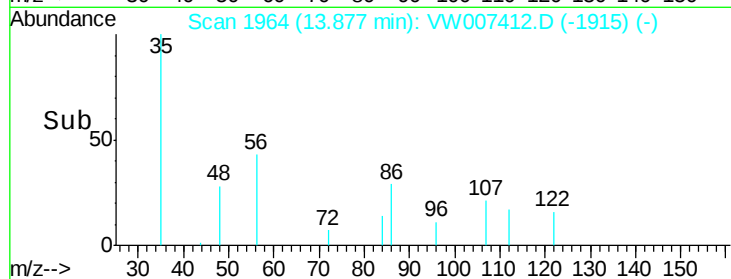
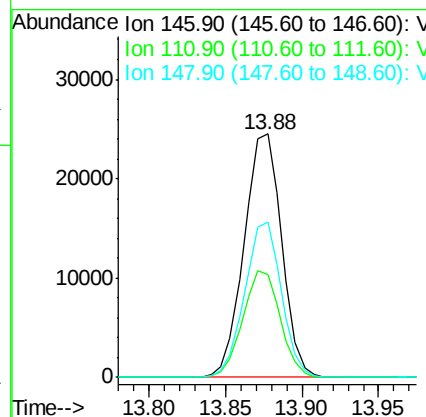
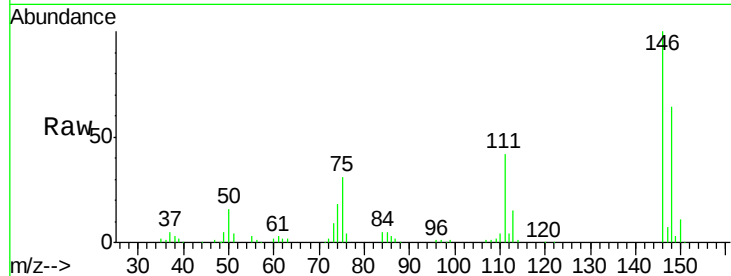
#91
 1,2-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.4	67.2
148	62.0	32.4	97.2

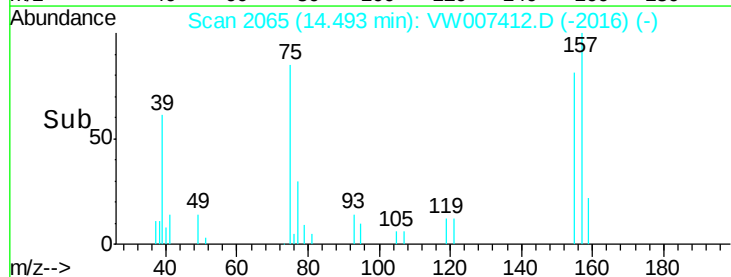
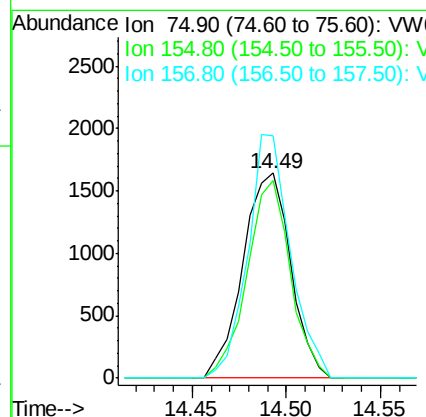
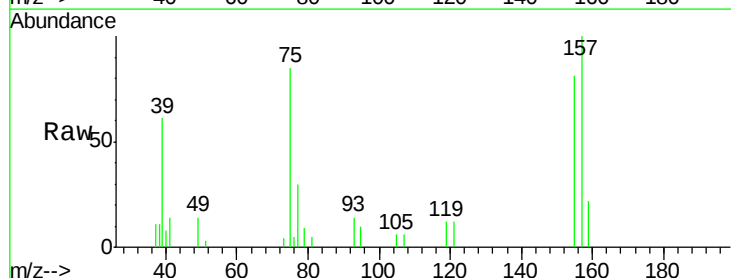
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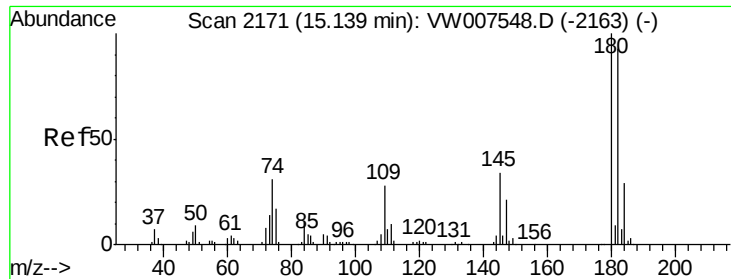
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.942 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	40.8	122.2
157	106.2	51.1	153.4





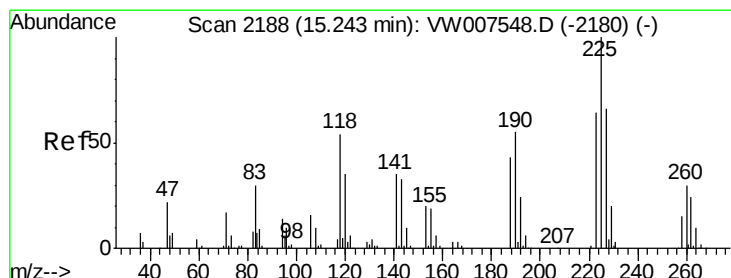
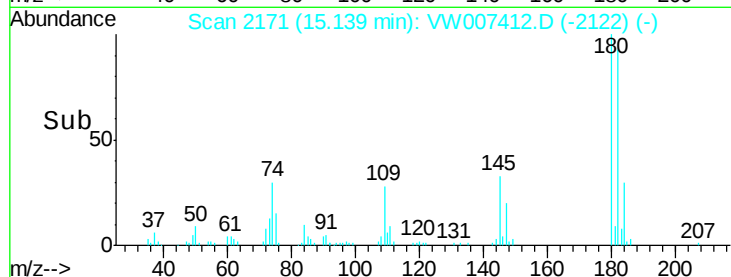
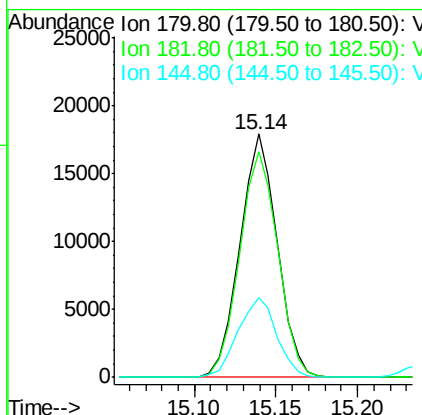
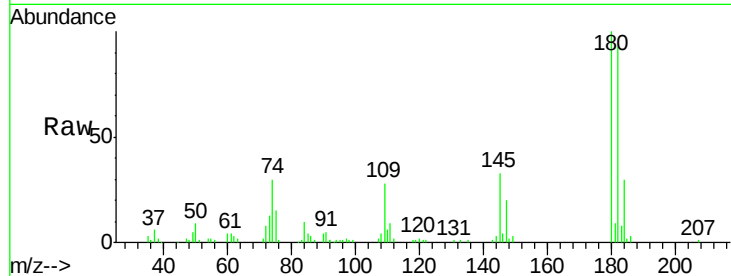
#93
 1,2,4-Trichlorobenzene
 Concen: 21.461 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1213SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	28505		
182	94.9	49.9	149.6	
145	34.0	17.8	53.4	

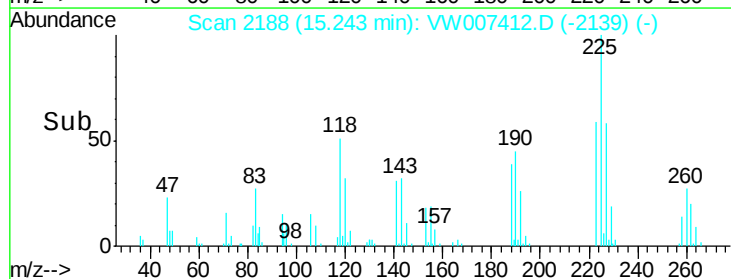
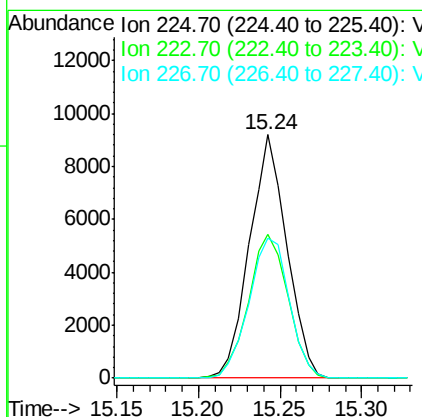
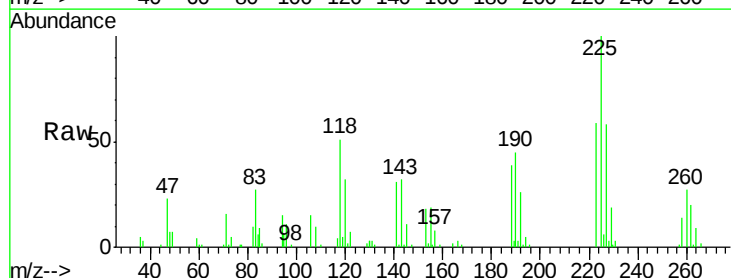
Manual Integrations
 APPROVED

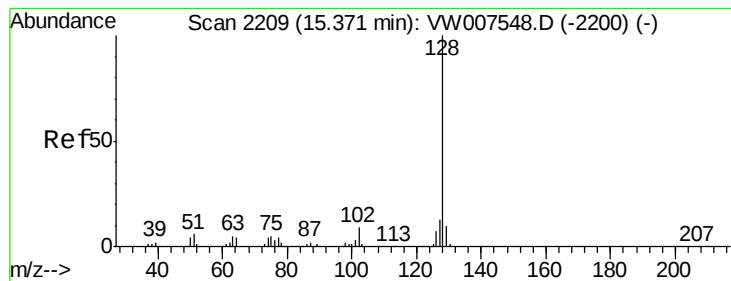
apatel
 12/19/2018 8:42:03 AM



#94
 Hexachlorobutadiene
 Concen: 20.727 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007412.D
 Acq: 12 Dec 2018 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14607		
223	62.6	32.1	96.3	
227	62.4	31.9	95.9	





#95

Naphthalene

Concen: 20.597 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Instrument :

MSVOA_W

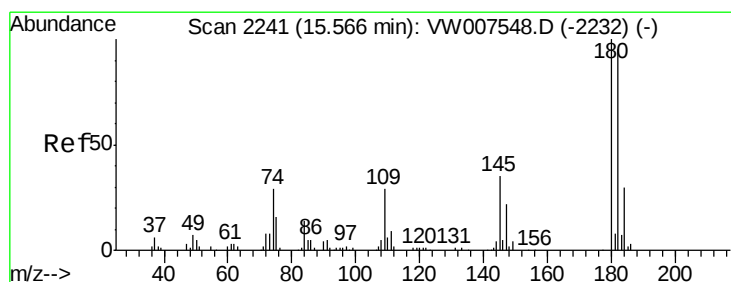
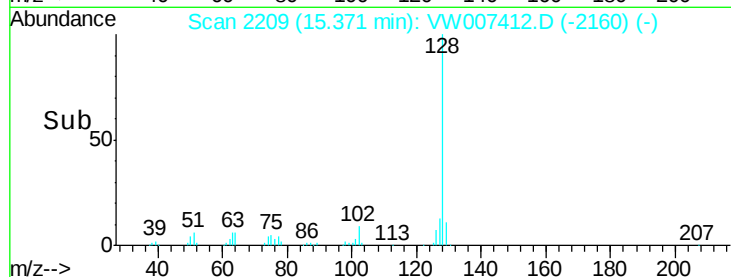
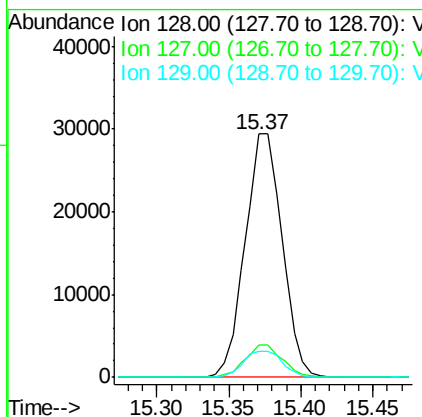
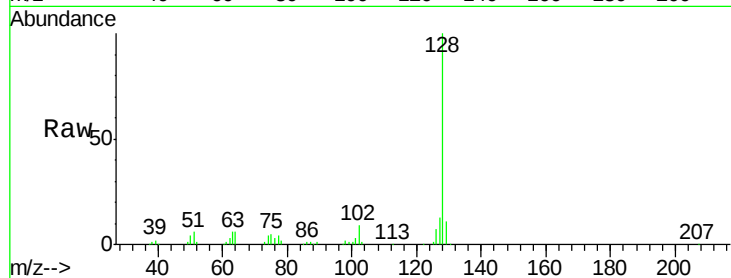
ClientSampleId :

VW1213SBS01

Tgt Ion:	128	Resp:	52335
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	11.4	8.3	12.5

Manual Integrations
APPROVED

apatel
12/19/2018 8:42:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.968 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW007412.D

Acq: 12 Dec 2018 00:29

Tgt Ion:	180	Resp:	24192
Ion Ratio	Lower	Upper	
180	100		
182	95.5	45.6	136.7
145	36.0	17.5	52.5

