

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV121518\
 Data File : VW007451.D
 Acq On : 12 Dec 2018 21:29
 Operator : SY/AP
 Sample : VW1215SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Manual Integrations
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 12/18/2018 10:55:49 AM

Quant Time: Dec 13 04:33:35 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	83950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63452	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	45599	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	41841	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.32	98	160340	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	60975	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13930	23.745	ug/l	99
3) Chloromethane	2.21	50	9590	19.519	ug/l	99
4) Vinyl Chloride	2.37	62	11203	19.430	ug/l	96
5) Bromomethane	2.78	94	7511	19.389	ug/l	96
6) Chloroethane	2.92	64	6202	19.541	ug/l	92
7) Trichlorofluoromethane	3.25	101	9794	18.894	ug/l	98
8) Diethyl Ether	3.68	74	8494	20.936	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17488	20.446	ug/l	99
10) Methyl Iodide	4.26	142	29058	20.512	ug/l	99
11) Tert butyl alcohol	5.17	59	7226	112.969	ug/l	98
12) 1,1-Dichloroethene	4.03	96	16671	20.243	ug/l	92
13) Acrolein	3.89	56	4554	107.596	ug/l	97
14) Allyl chloride	4.66	41	23753	19.568	ug/l	98
15) Acrylonitrile	5.37	53	17350	101.442	ug/l	100
16) Acetone	4.12	43	16759	103.018	ug/l	95
17) Carbon Disulfide	4.37	76	50334	20.158	ug/l	98
18) Methyl Acetate	4.67	43	9141	20.703	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	24835	19.991	ug/l	93
20) Methylene Chloride	4.90	84	19909	20.031	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18584	20.173	ug/l	99
22) Diisopropyl ether	6.31	45	45954	19.695	ug/l	95
23) Vinyl Acetate	6.25	43	131962	101.114	ug/l	95
24) 1,1-Dichloroethane	6.21	63	31832	20.186	ug/l	99
25) 2-Butanone	7.17	43	21459	101.041	ug/l	98
26) 2,2-Dichloropropane	7.16	77	21035	20.155	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	20575	20.397	ug/l	100
28) Bromochloromethane	7.51	49	12060	20.331	ug/l	97
29) Tetrahydrofuran	7.53	42	13858	103.071	ug/l	99
30) Chloroform	7.67	83	34625	20.176	ug/l	100
31) Cyclohexane	7.95	56	28261	19.533	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	30039	19.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25734	19.964	ug/l	98
37) Ethyl Acetate	7.25	43	9724	20.282	ug/l	98
38) Carbon Tetrachloride	8.07	117	29305	20.894	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32273	20.676	ug/l	97
40) Benzene	8.32	78	73835	20.640	ug/l	100
41) Methacrylonitrile	7.49	41	5651	20.699	ug/l	97
42) 1,2-Dichloroethane	8.40	62	23262	20.701	ug/l	100
43) Isopropyl Acetate	8.42	43	19869	20.980	ug/l	100
44) Trichloroethene	9.09	130	21141	20.696	ug/l	97
45) 1,2-Dichloropropane	9.37	63	17300	20.898	ug/l	99
46) Dibromomethane	9.46	93	9893	21.044	ug/l	98
47) Bromodichloromethane	9.64	83	26012	21.095	ug/l	99
48) Methyl methacrylate	9.44	41	9478	19.487	ug/l	96
49) 1,4-Dioxane	9.45	88	3483	456.621	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	46740	104.454	ug/l	100
52) Toluene	10.39	92	48406	20.910	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	25357	21.182	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	28213	20.387	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	14079	22.005	ug/l	94
56) Ethyl methacrylate	10.65	69	16554	21.526	ug/l	98
57) 1,3-Dichloropropane	10.93	76	23209	22.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	32796	92.478	ug/l	99
59) 2-Hexanone	10.97	43	32737	109.719	ug/l	99
60) Dibromochloromethane	11.13	129	17234	21.344	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13676	21.630	ug/l	97
64) Tetrachloroethene	10.86	164	17784	19.448	ug/l	94
65) Chlorobenzene	11.66	112	54324	20.497	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	19337	20.716	ug/l	98
67) Ethyl Benzene	11.73	91	95017	20.852	ug/l	90
68) m/p-Xylenes	11.84	106	73596	41.546	ug/l	100
69) o-Xylene	12.17	106	35505	21.461	ug/l	100
70) Styrene	12.18	104	57503	21.519	ug/l	98
71) Bromoform	12.35	173	9558	20.005	ug/l #	97
73) Isopropylbenzene	12.47	105	97652	20.085	ug/l	99
74) N-amyl acetate	12.27	43	17894	20.251	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	15213	21.126	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	11537m	22.052	ug/l	
77) Bromobenzene	12.75	156	22065	20.474	ug/l	95
78) n-propylbenzene	12.81	91	114448	20.917	ug/l	100
79) 2-Chlorotoluene	12.90	91	66912	20.210	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	84391	20.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4741	20.018	ug/l	96
82) 4-Chlorotoluene	12.99	91	70883	20.311	ug/l	98
83) tert-Butylbenzene	13.21	119	74563	20.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	85904	20.434	ug/l	97
85) sec-Butylbenzene	13.39	105	101904	20.738	ug/l	95
86) p-Isopropyltoluene	13.50	119	92283	20.904	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45140	21.008	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	43540	20.156	ug/l	98
89) n-Butylbenzene	13.83	91	84133	20.558	ug/l	99
90) Hexachloroethane	14.10	117	15799	20.114	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40171	20.873	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3000	20.760	ug/l	95

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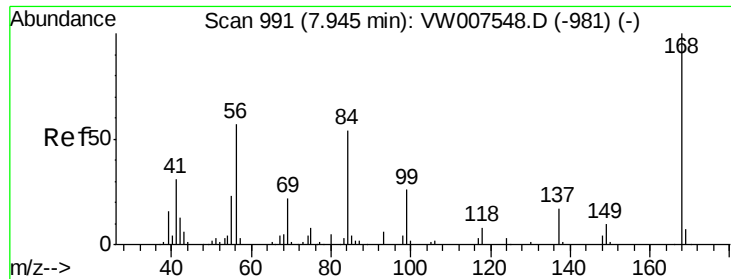
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27191	20.530	ug/l	95
94) Hexachlorobutadiene	15.24	225	14505	20.641	ug/l	99
95) Naphthalene	15.37	128	51773	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	23528	20.450	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: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion:168 Resp: 83950

Ion Ratio Lower Upper

168 100

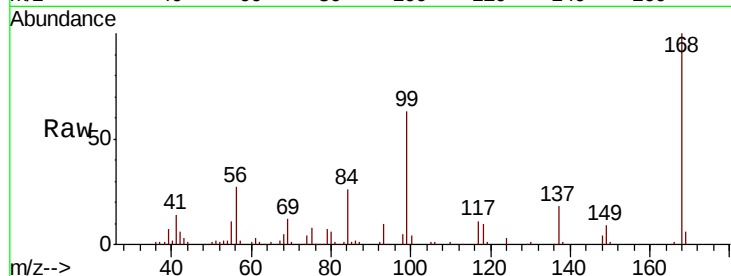
99 63.1 48.3 72.5

Manual Integrations

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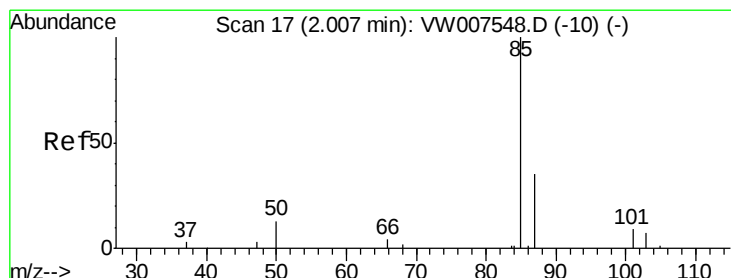
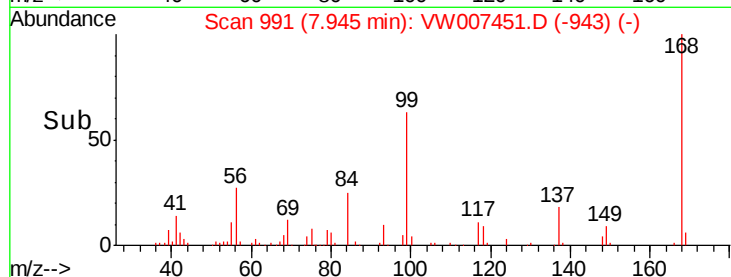
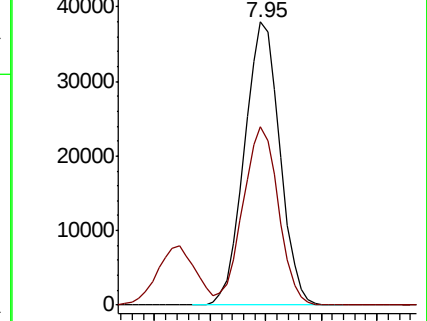
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.745 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007451.D

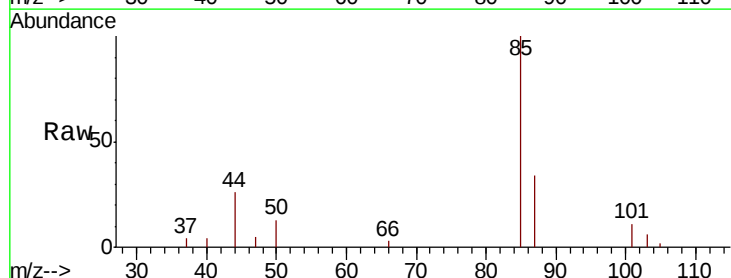
Acq: 12 Dec 2018 21:29

Tgt Ion: 85 Resp: 13930

Ion Ratio Lower Upper

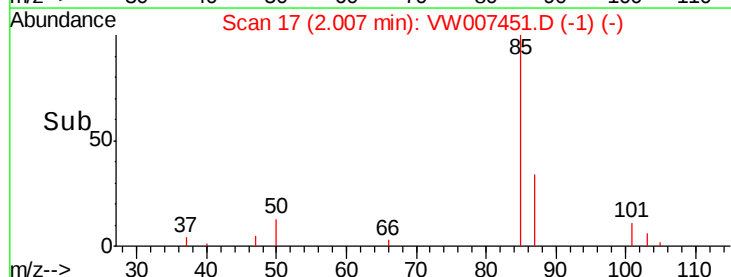
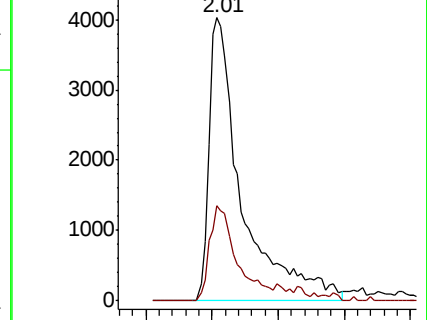
85 100

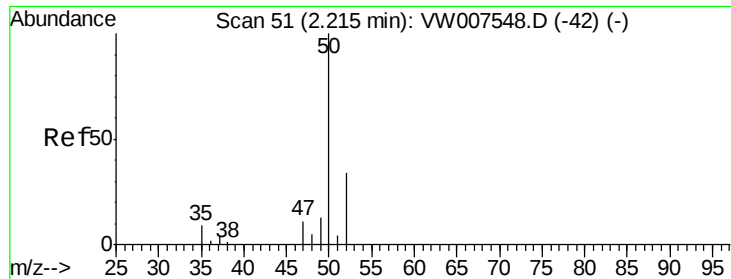
87 33.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.519 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 50 Resp: 9590

Ion Ratio Lower Upper

50 100

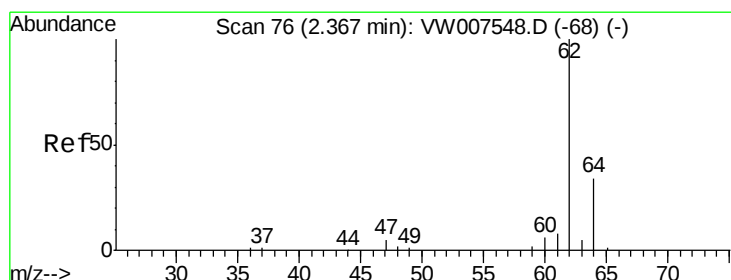
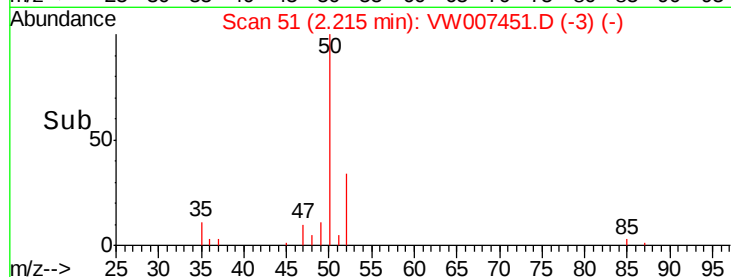
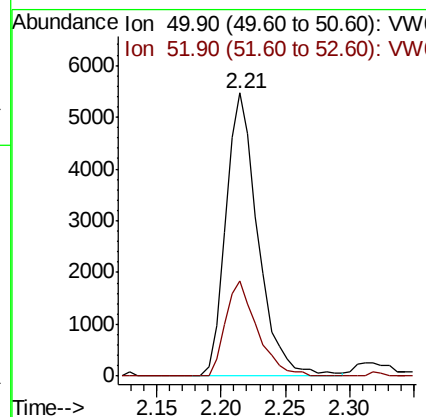
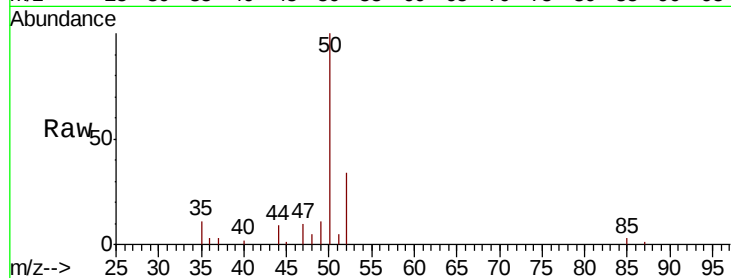
52 33.5 27.4 41.0

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#4

Vinyl Chloride

Concen: 19.430 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007451.D

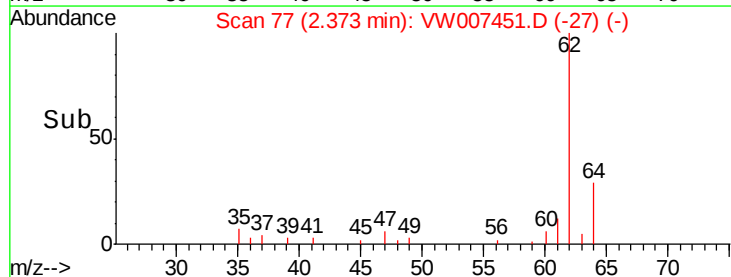
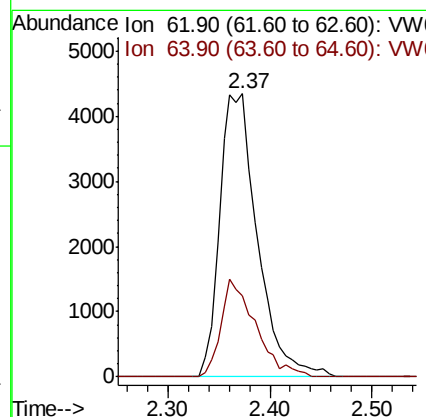
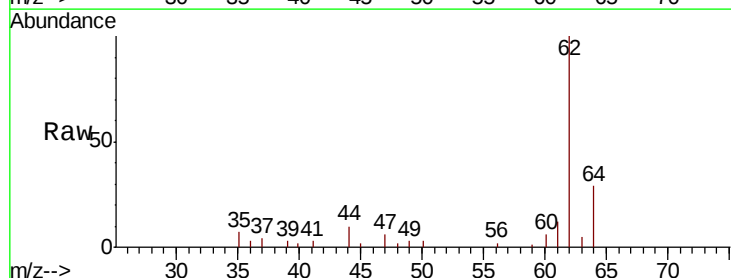
Acq: 12 Dec 2018 21:29

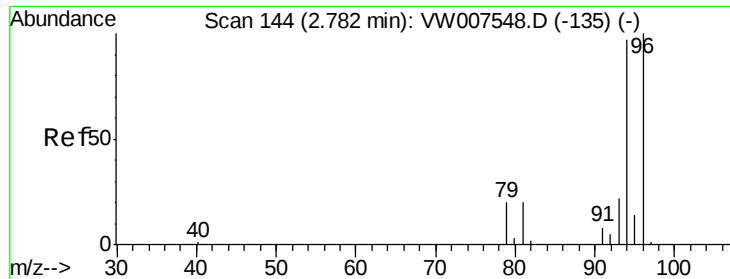
Tgt Ion: 62 Resp: 11203

Ion Ratio Lower Upper

62 100

64 28.8 24.6 37.0





#5

Bromomethane

Concen: 19.389 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 94 Resp: 7511

Ion Ratio Lower Upper

94 100

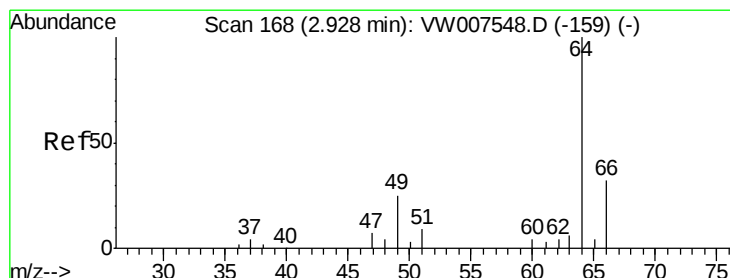
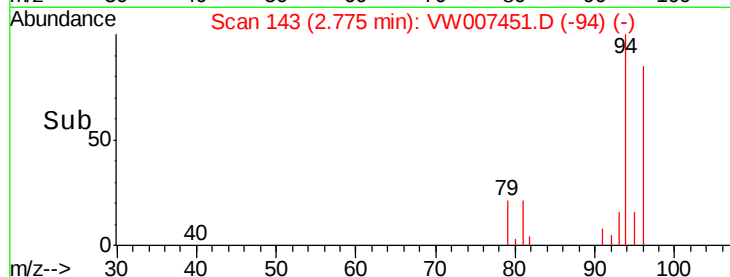
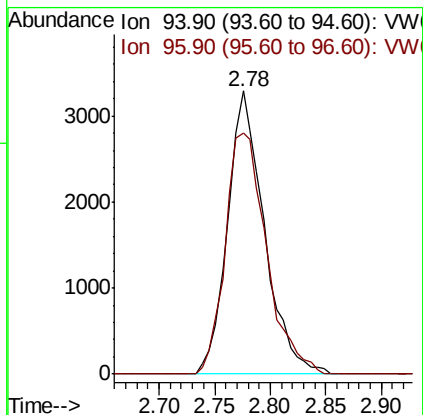
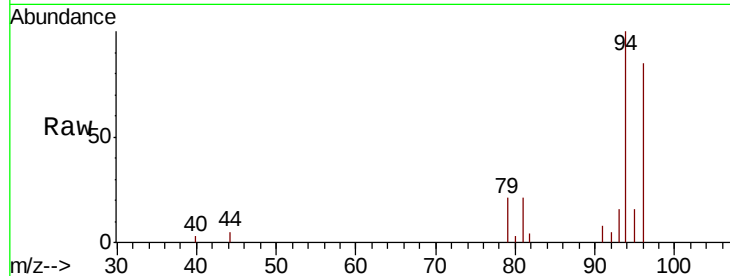
96 85.2 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 19.541 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007451.D

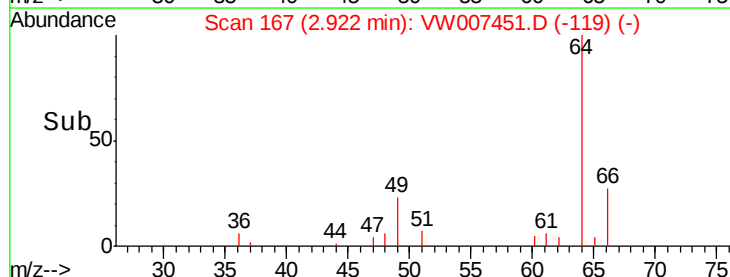
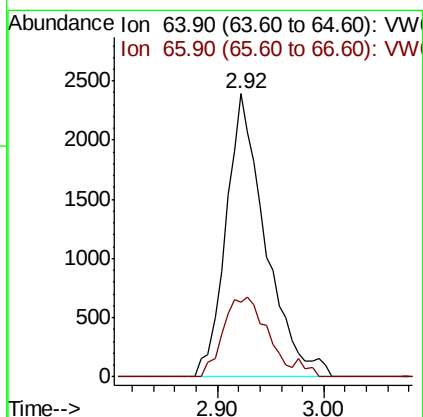
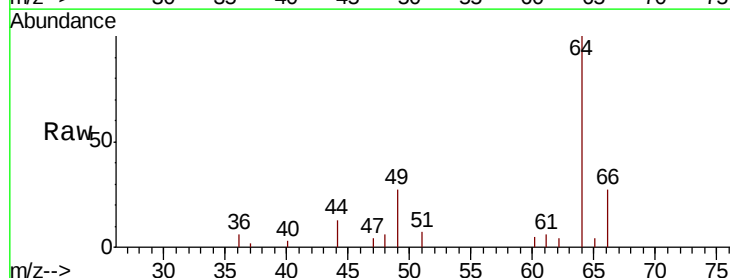
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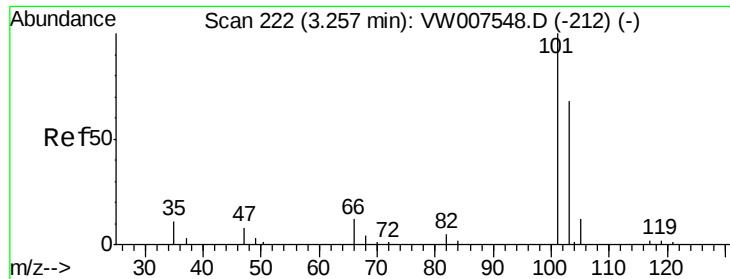
Tgt Ion: 64 Resp: 6202

Ion Ratio Lower Upper

64 100

66 26.5 24.6 37.0





#7

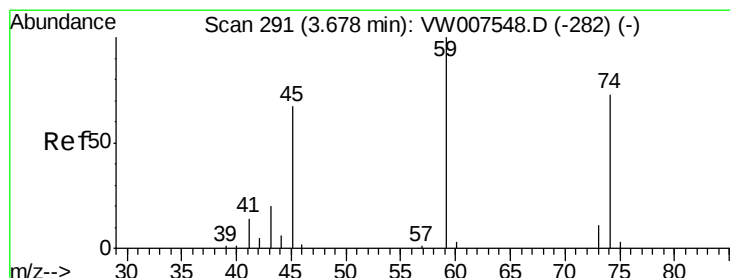
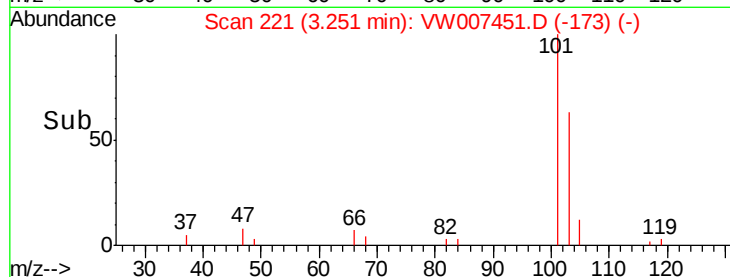
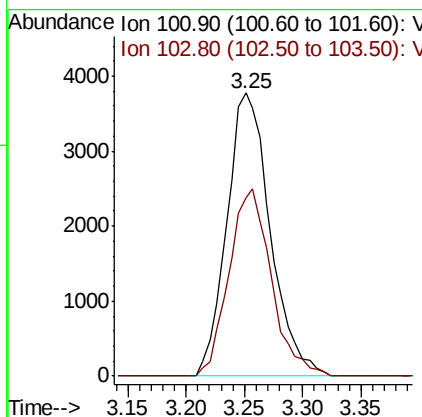
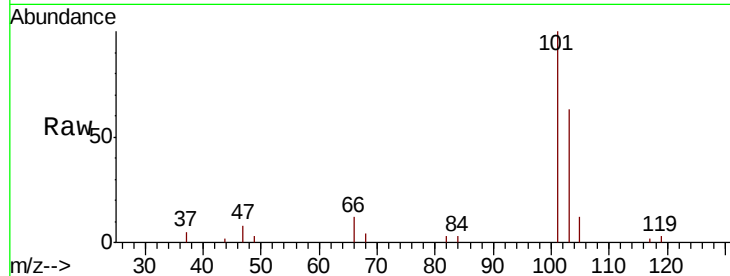
Trichlorofluoromethane
 Concen: 18.894 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

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 VW1215SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.7	77.5

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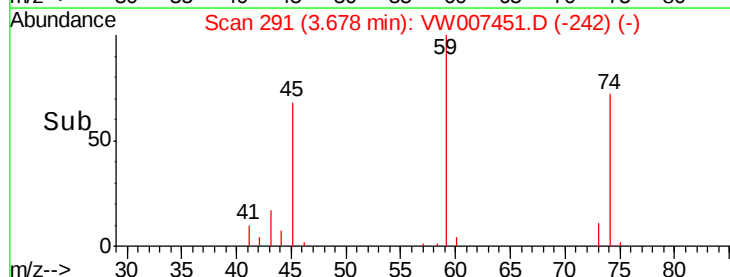
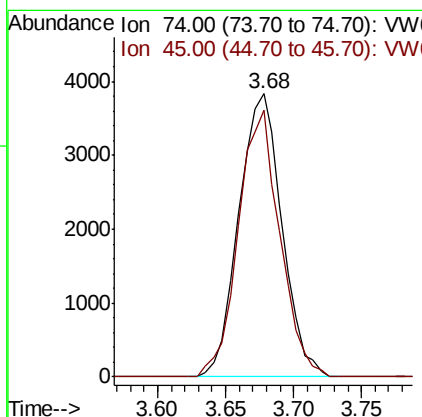
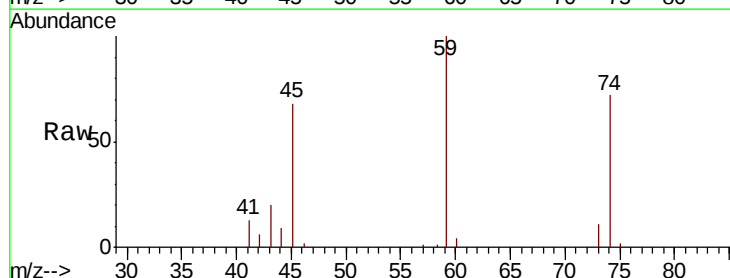
apatel
 12/18/2018 10:55:49 AM

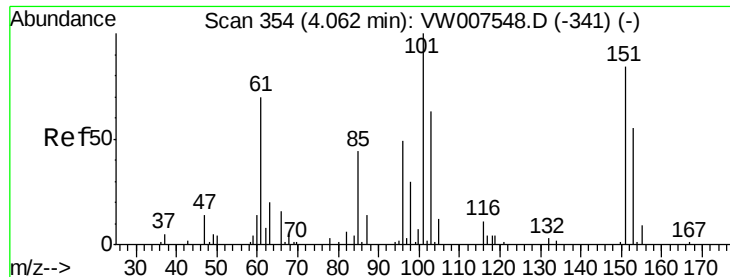


#8

Diethyl Ether
 Concen: 20.936 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	43.0	129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.446 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

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MSVOA_W

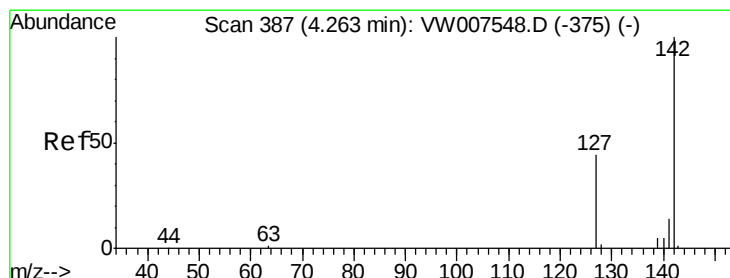
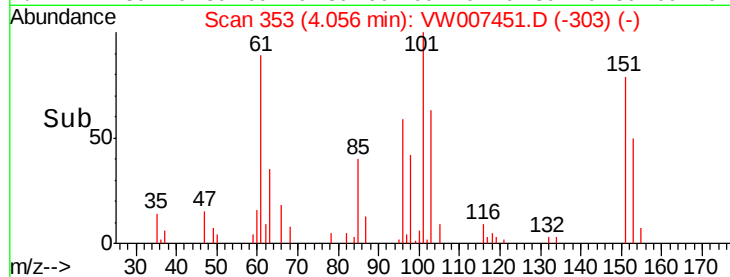
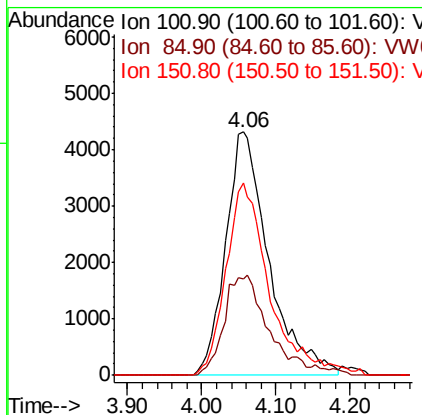
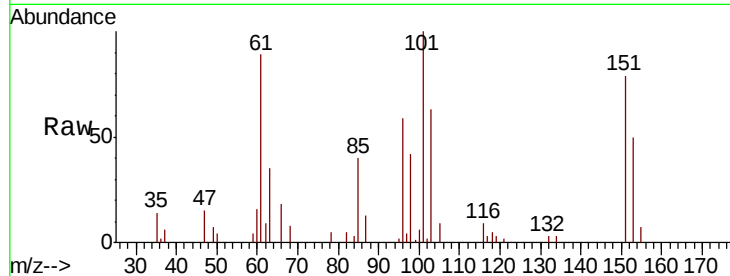
ClientSampleId :

VW1215SBS01

Tot Ion:	101	Resp:	17488
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.9	50.9
151	79.7	63.7	95.5

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#10

Methyl Iodide

Concen: 20.512 ug/l

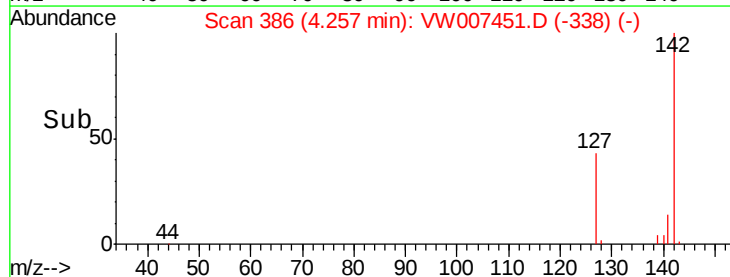
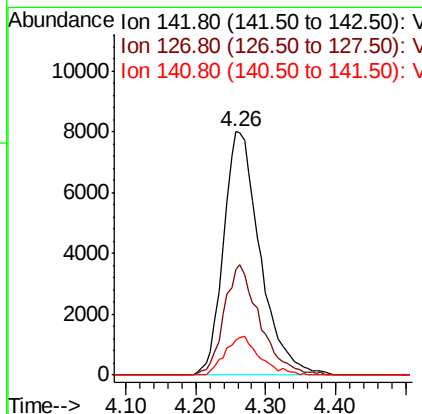
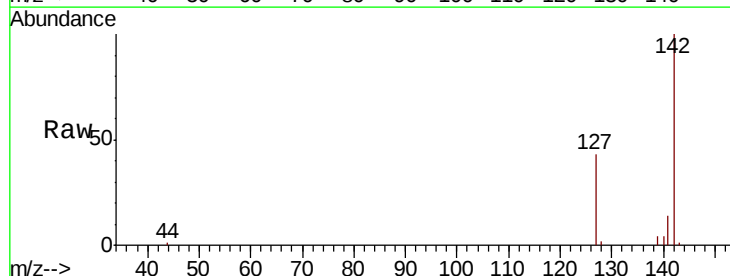
RT: 4.26 min Scan# 386

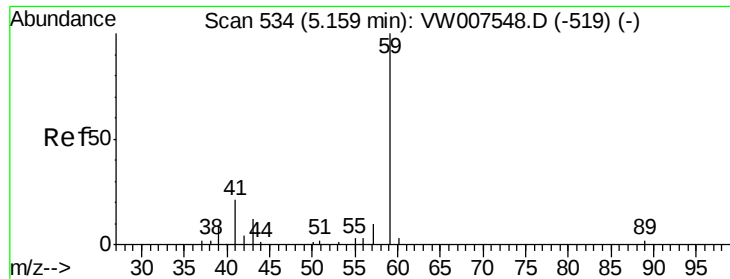
Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion:	142	Resp:	29058
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.8	53.6
141	15.1	11.1	16.7





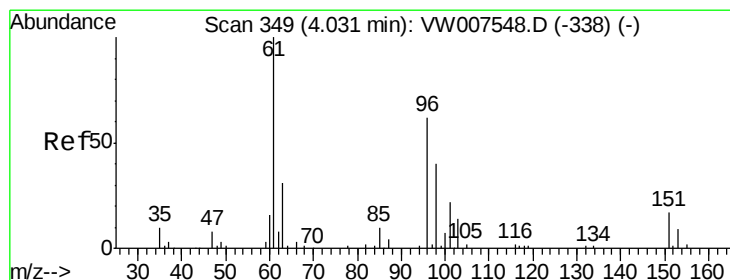
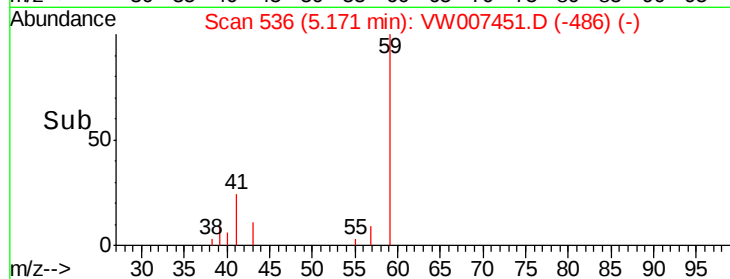
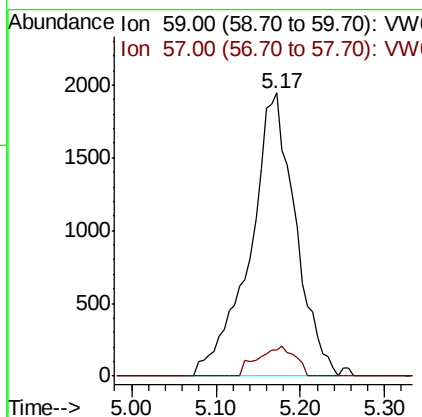
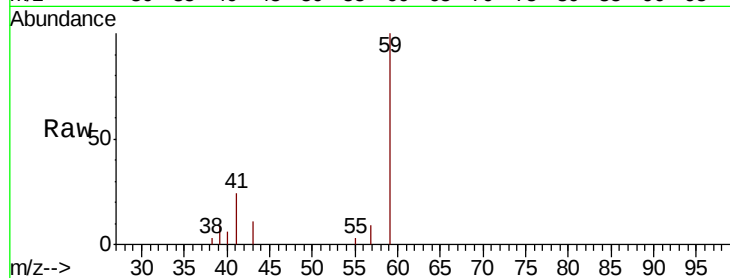
#11
Tert butyl alcohol
Concen: 112.969 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	59	57	Ratio	100	8.6	Resp:	7226	Lower	7.6	Upper	11.4
Ion											

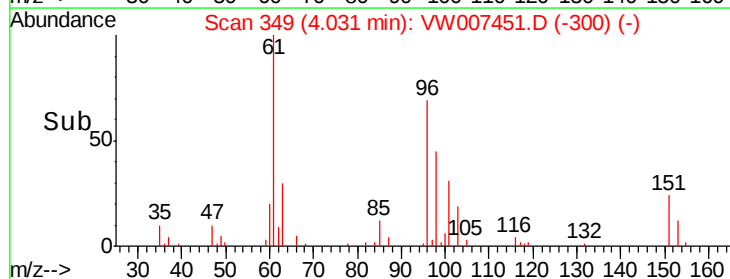
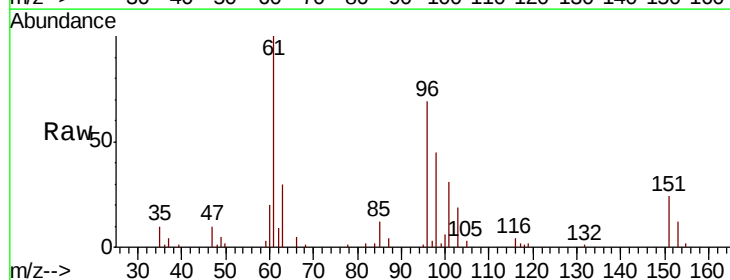
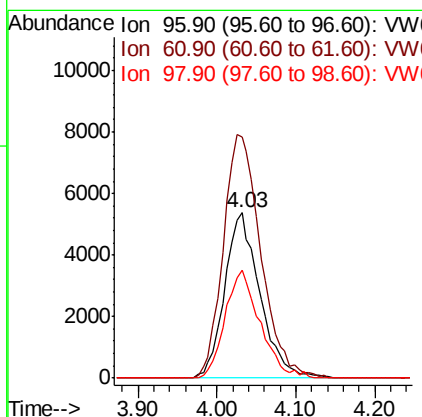
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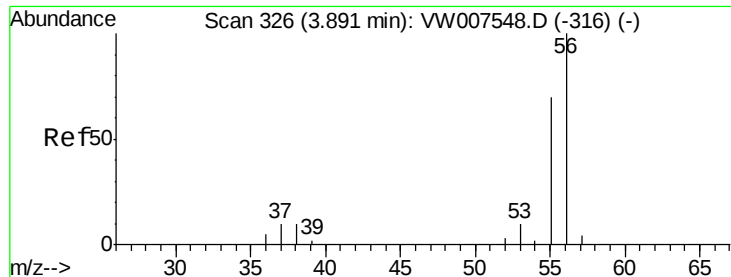
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#12
1,1-Dichloroethene
Concen: 20.243 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	96	61	98	Ratio	100	145.9	65.4	Resp:	16671	Lower	126.2	Upper	189.2	72.5
Ion														





#13

Acrolein

Concen: 107.596 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 56 Resp: 4554

Ion Ratio Lower Upper

56 100

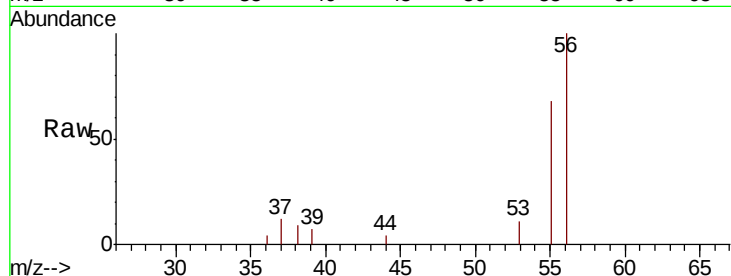
55 69.2 57.4 86.2

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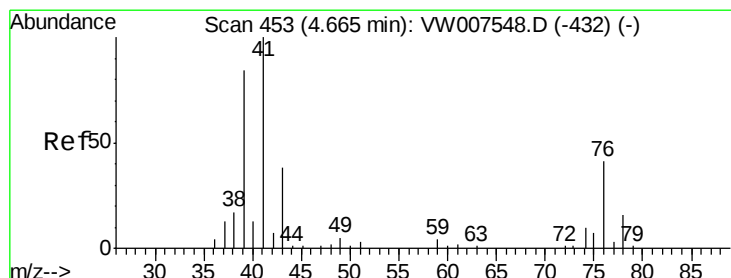
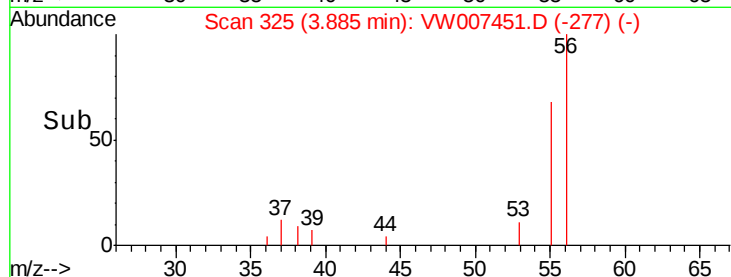
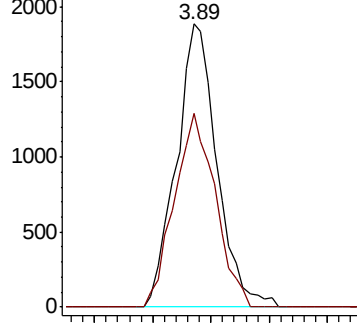
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.568 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

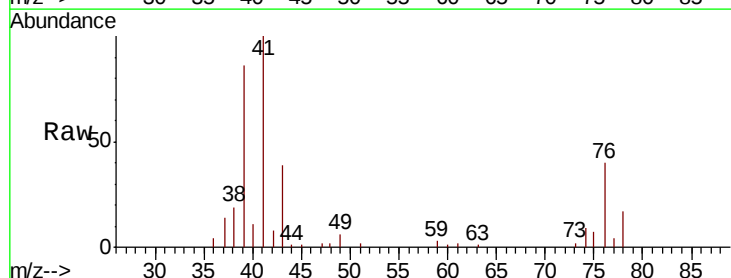
Tgt Ion: 41 Resp: 23753

Ion Ratio Lower Upper

41 100

39 80.9 63.4 95.2

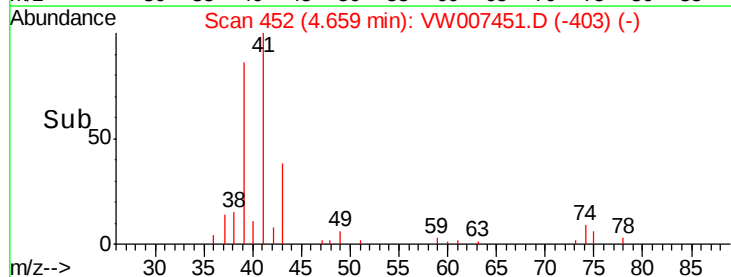
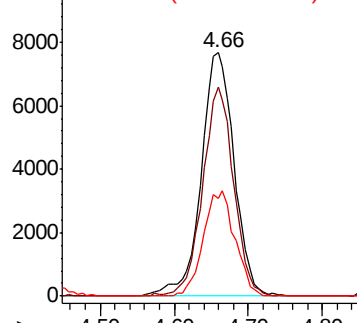
76 41.4 32.1 48.1

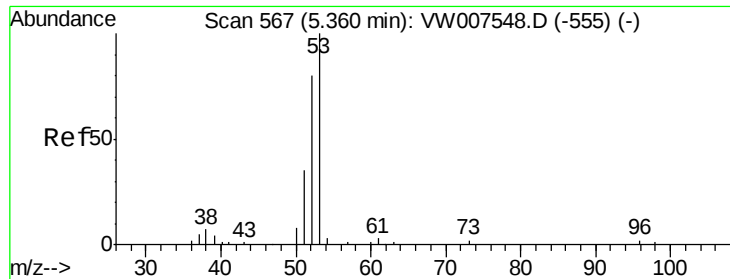


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 101.442 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

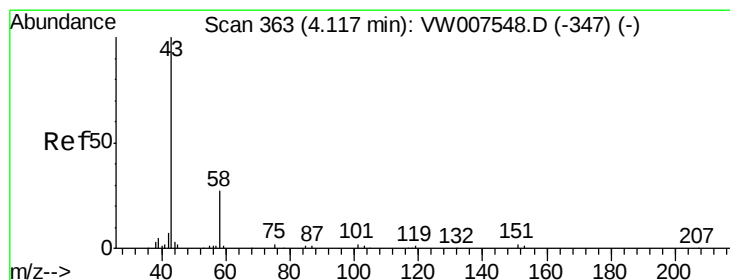
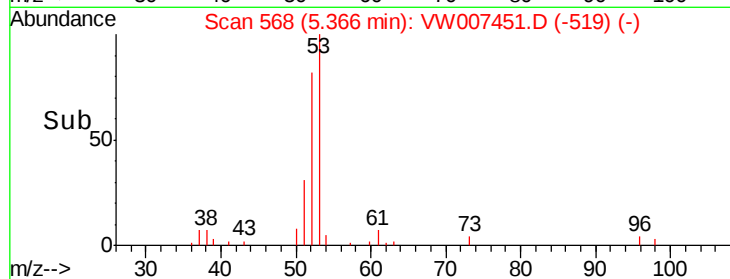
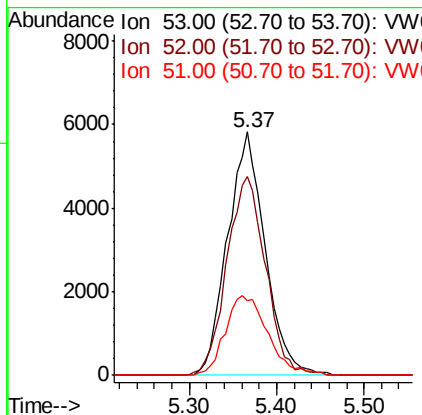
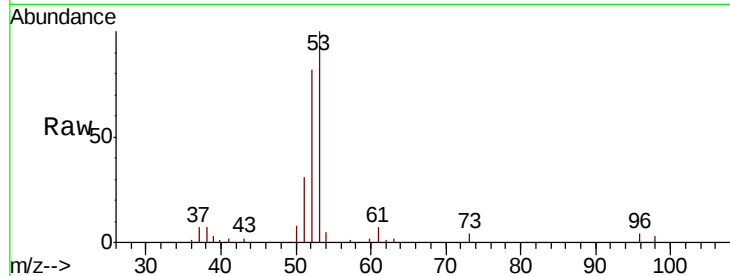
ClientSampleId :

VW1215SBS01

Tot Ion:	53	Resp:	17350
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.2
51	37.2	30.2	45.2

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#16

Acetone

Concen: 103.018 ug/l

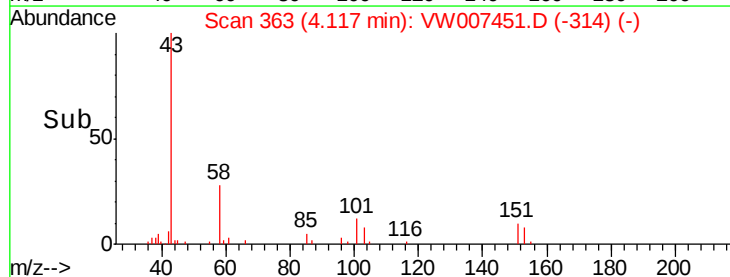
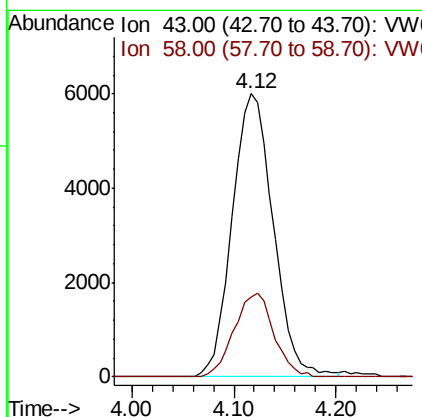
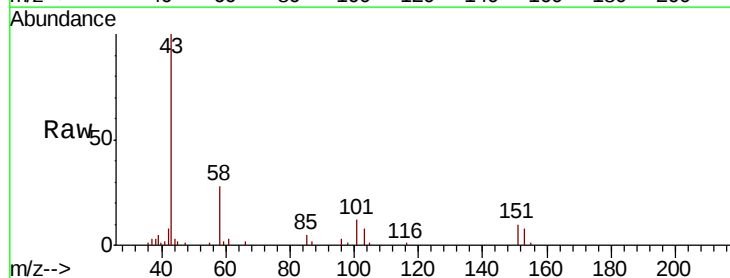
RT: 4.12 min Scan# 363

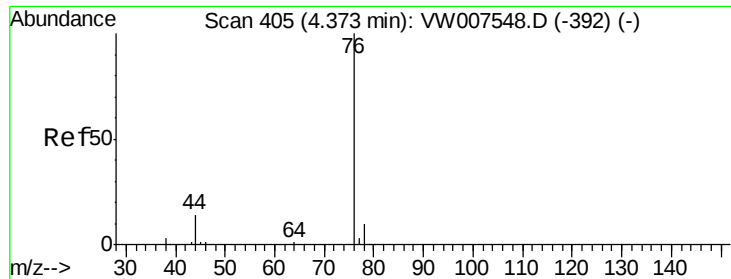
Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion:	43	Resp:	16759
Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.9	37.3





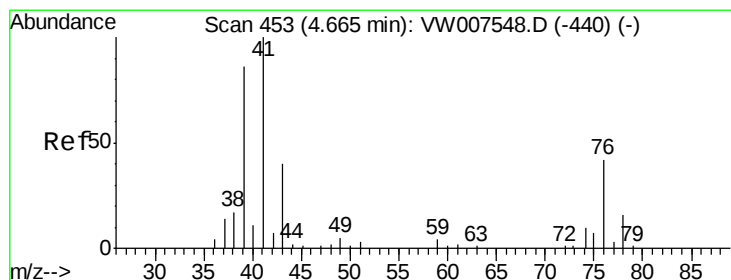
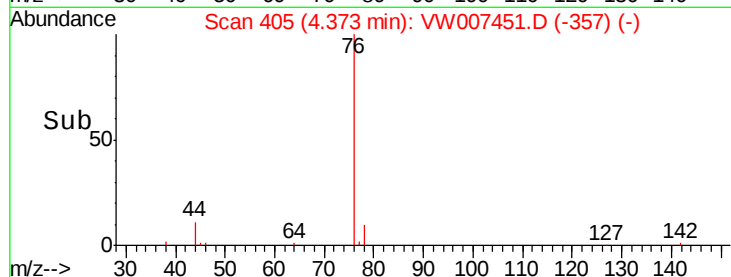
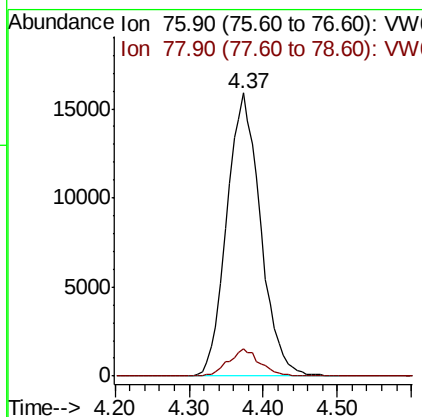
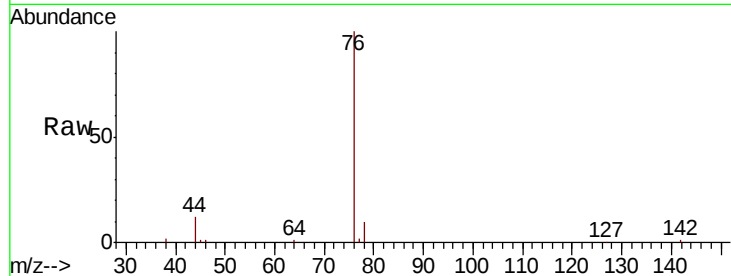
#17
Carbon Disulfide
Concen: 20.158 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	76	Resp	50334
Ion Ratio	Lower	Upper	
76	100		
78	9.7	7.1	10.7

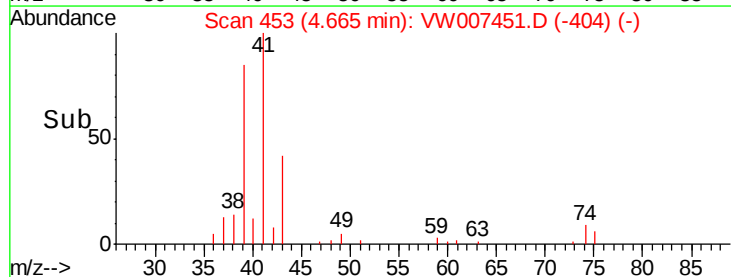
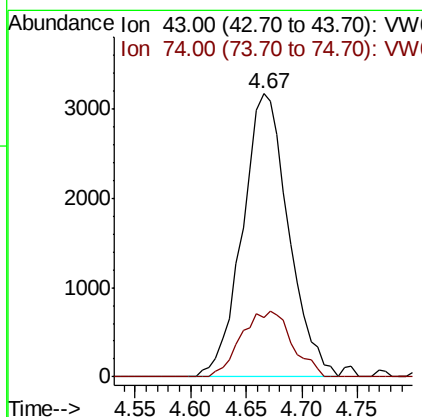
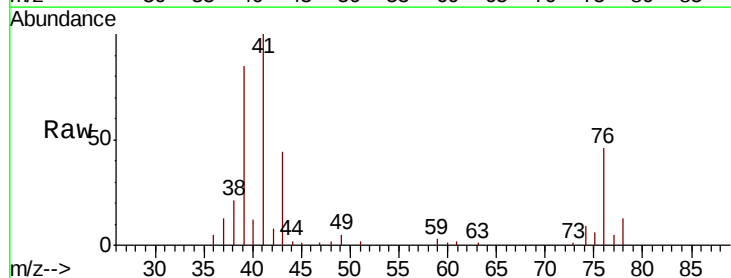
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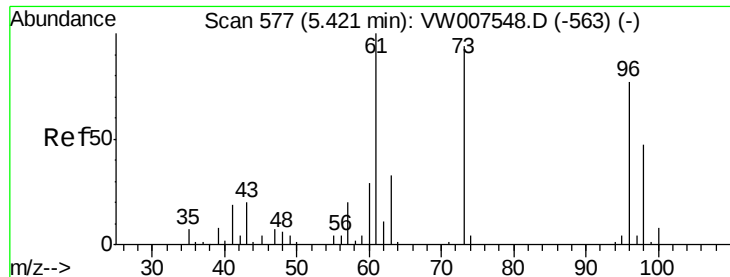
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#18
Methyl Acetate
Concen: 20.703 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	43	Resp	9141
Ion Ratio	Lower	Upper	
43	100		
74	25.4	21.1	31.7





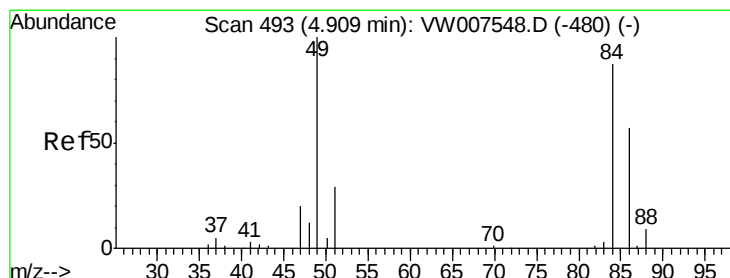
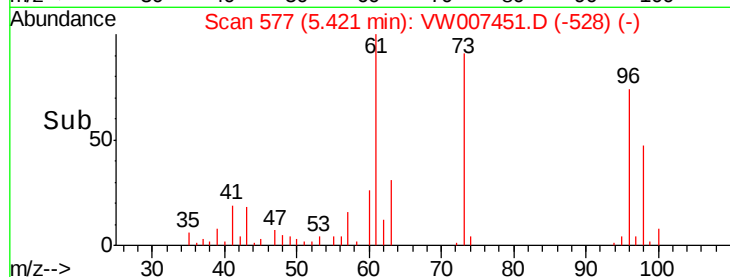
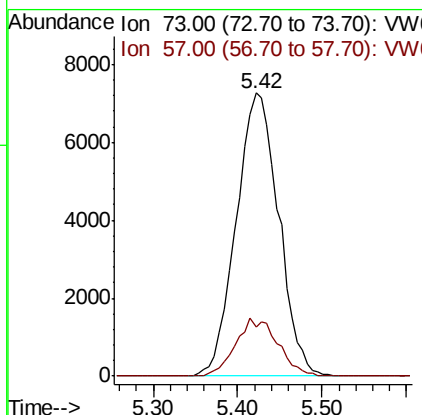
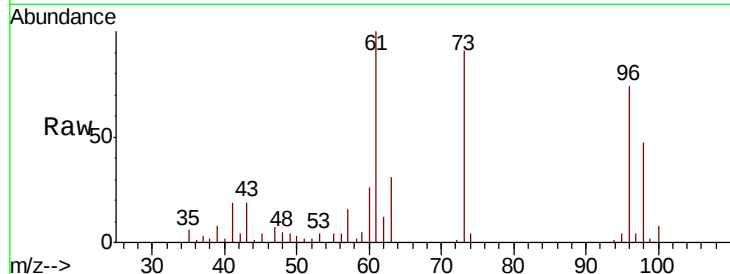
#19
Methyl tert-butyl Ether
Concen: 19.991 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 73 Resp: 24835
Ion Ratio Lower Upper
73 100
57 17.4 16.4 24.6

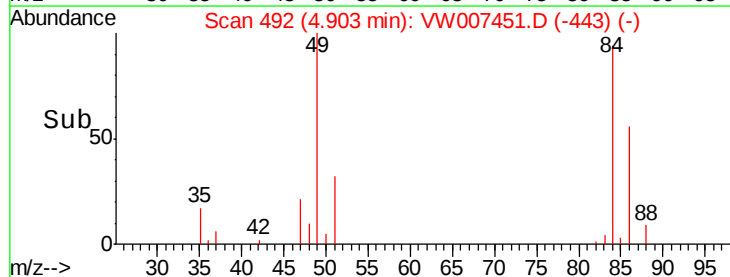
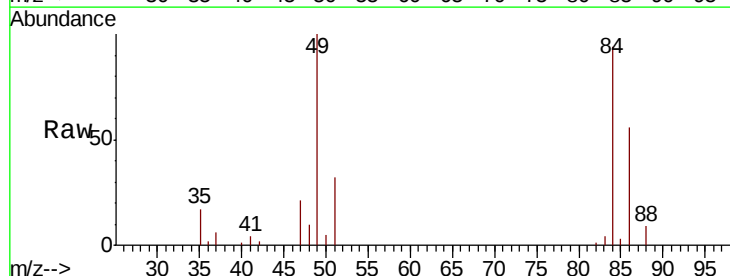
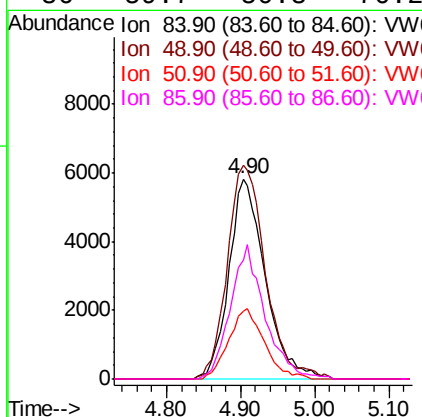
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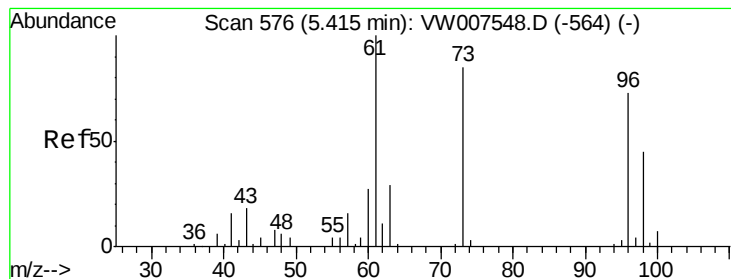
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#20
Methylene Chloride
Concen: 20.031 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 84 Resp: 19909
Ion Ratio Lower Upper
84 100
49 106.6 87.1 130.7
51 34.1 28.2 42.2
86 59.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.173 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

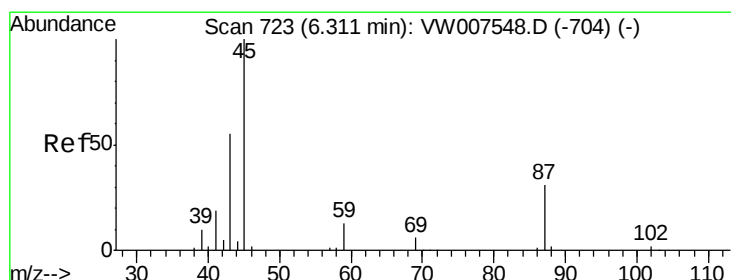
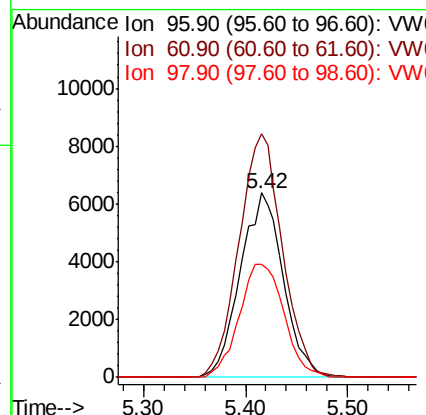
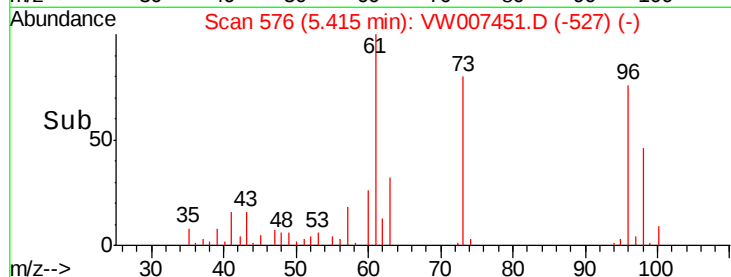
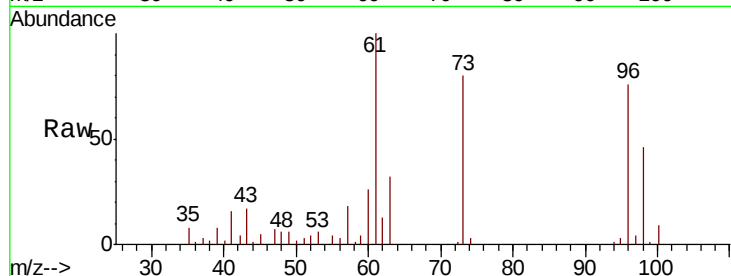
ClientSampleId :

VW1215SBS01

Tot Ion:	96	Resp:	18584
Ion	Ratio	Lower	Upper
96	100		
61	132.2	105.0	157.6
98	61.3	49.7	74.5

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#22

Diisopropyl ether

Concen: 19.695 ug/l

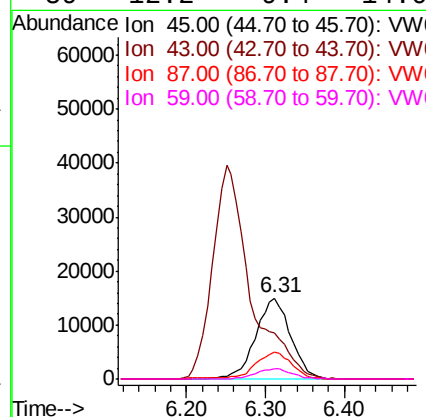
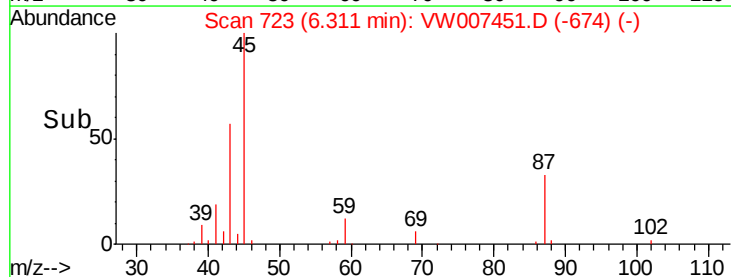
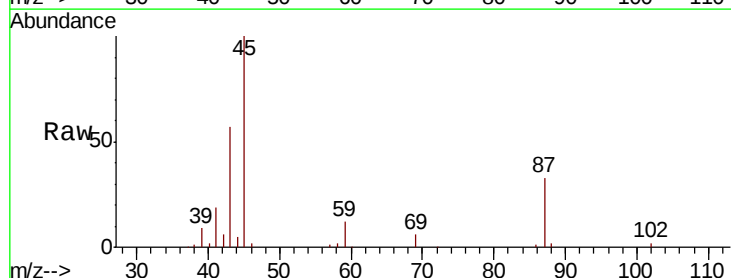
RT: 6.31 min Scan# 723

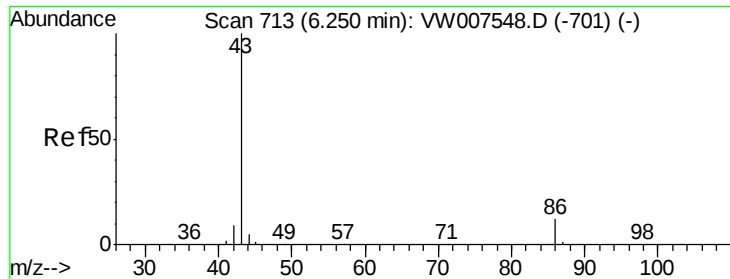
Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion:	45	Resp:	45954
Ion	Ratio	Lower	Upper
45	100		
43	56.3	41.6	62.4
87	32.9	24.3	36.5
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 101.114 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 43 Resp: 131962

Ion Ratio Lower Upper

43 100

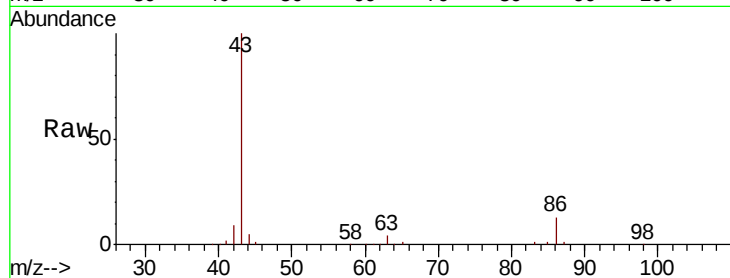
86 12.5 8.6 12.8

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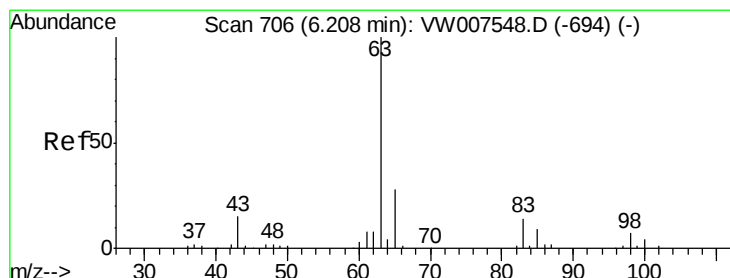
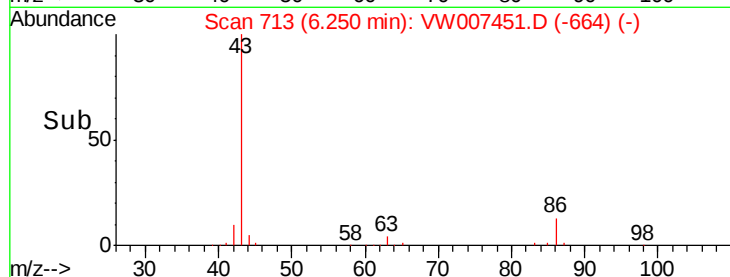
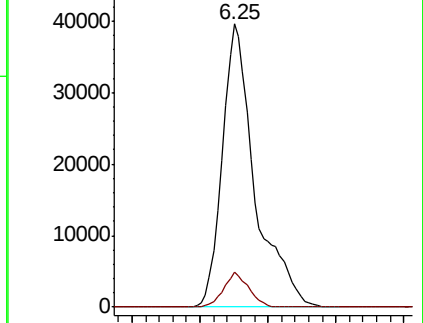
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.186 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

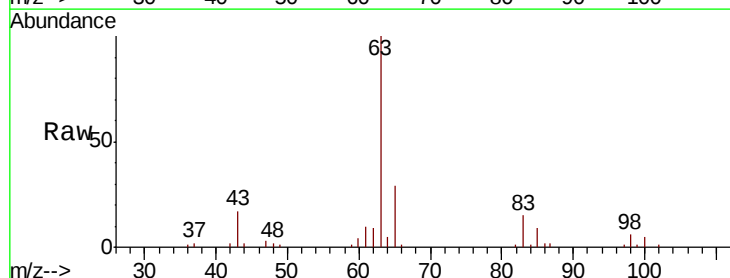
Tgt Ion: 63 Resp: 31832

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

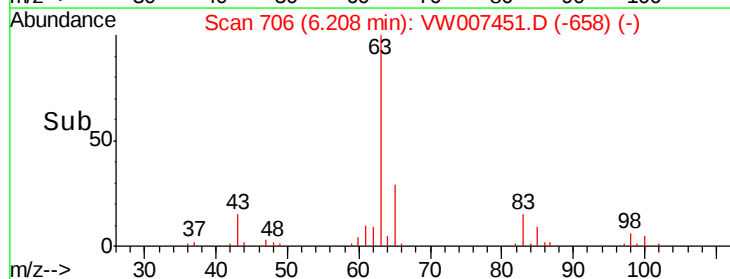
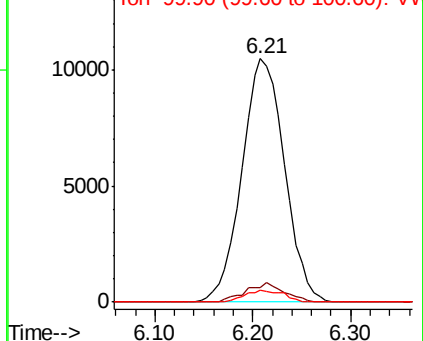
100 4.8 2.5 7.5

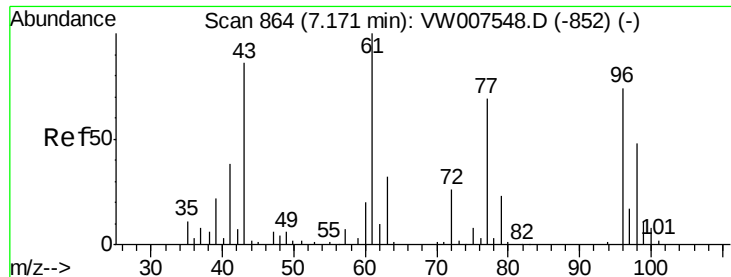


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 101.041 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 43 Resp: 21459

Ion Ratio Lower Upper

43 100

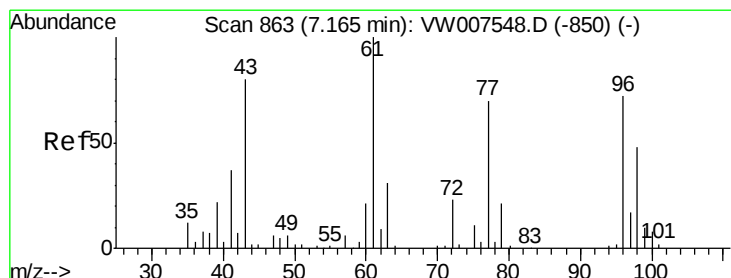
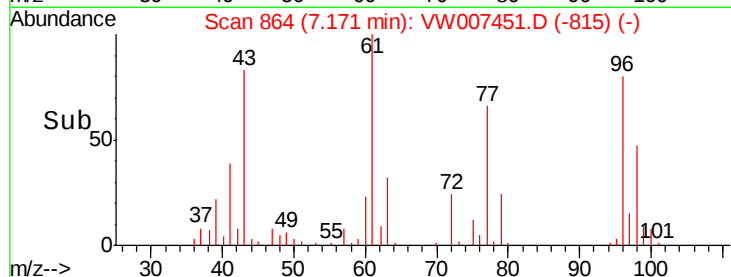
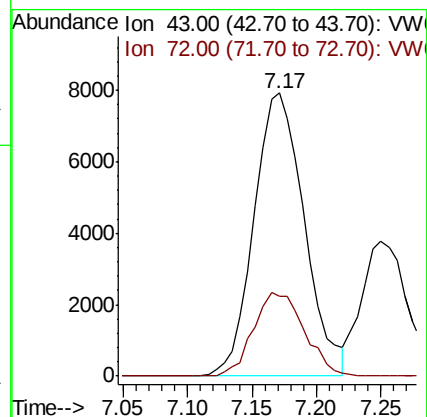
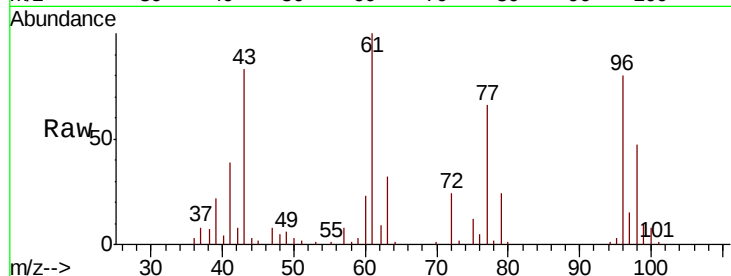
72 28.3 23.4 35.2

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#26

2,2-Dichloropropane

Concen: 20.155 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007451.D

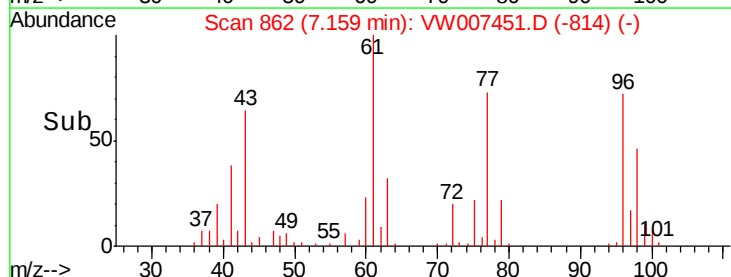
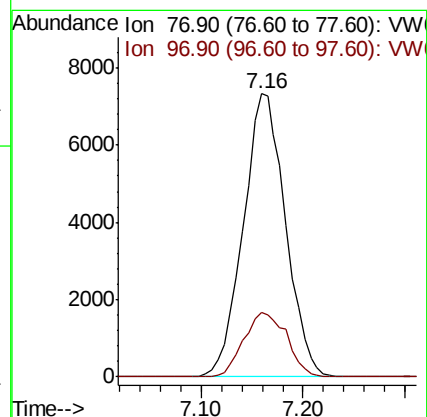
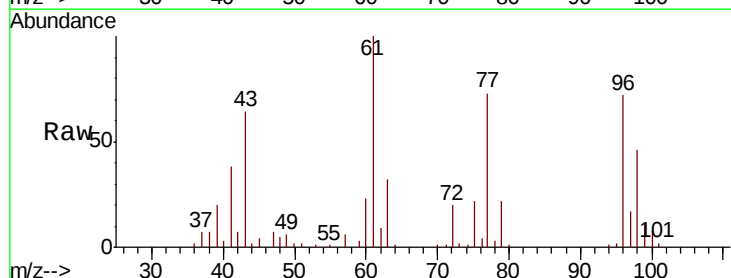
Acq: 12 Dec 2018 21:29

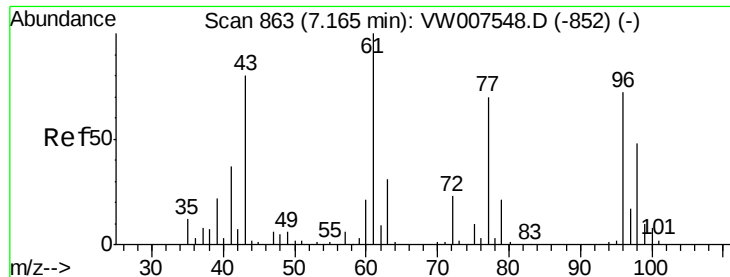
Tgt Ion: 77 Resp: 21035

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.8





#27

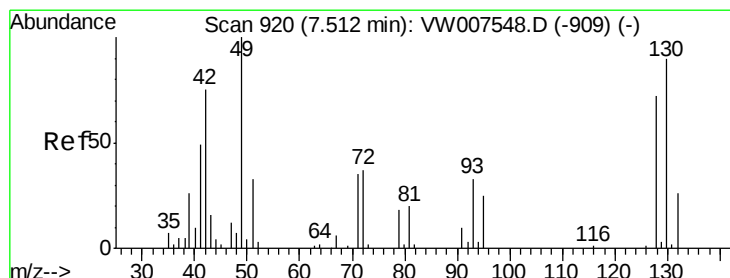
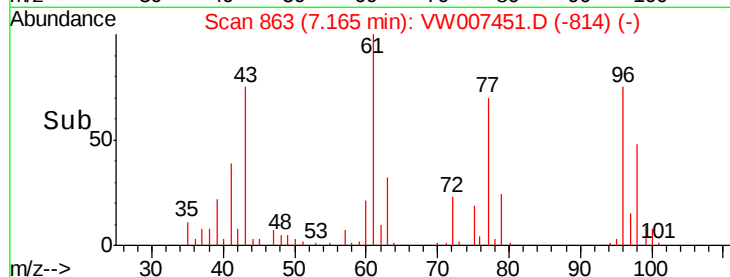
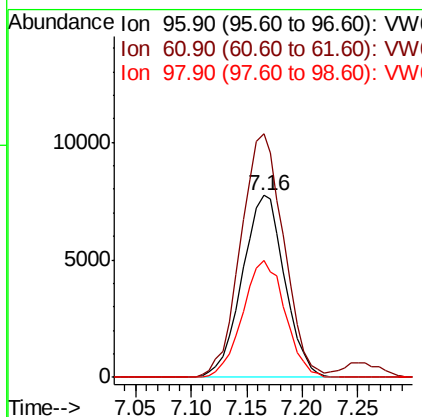
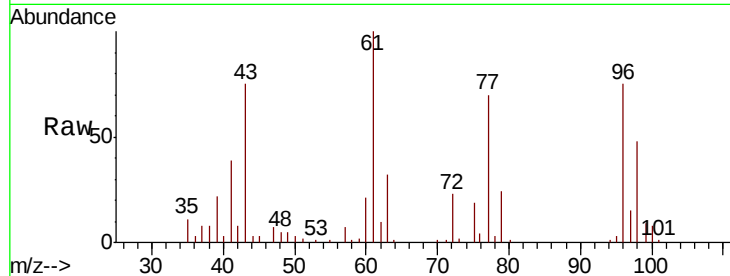
cis-1,2-Dichloroethene
Concen: 20.397 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	20575		
61	134.9	0.0	268.4	
98	63.9	0.0	127.8	

Manual Integrations
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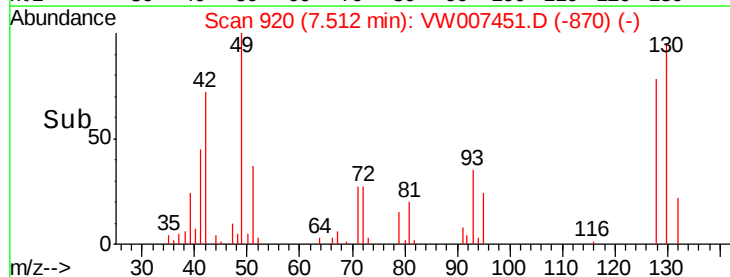
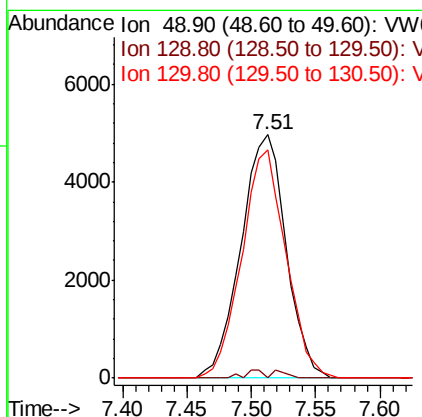
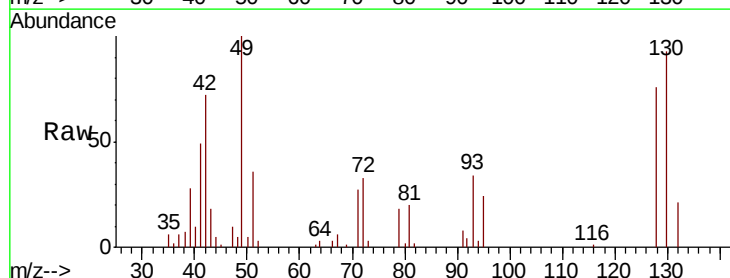
apatel
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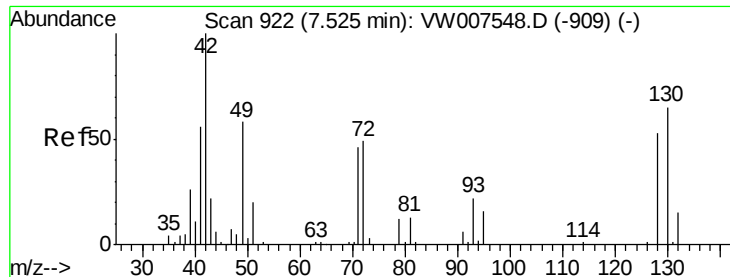


#28

Bromochloromethane
Concen: 20.331 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	12060		
129	1.0	0.0	2.6	
130	91.6	75.9	113.9	





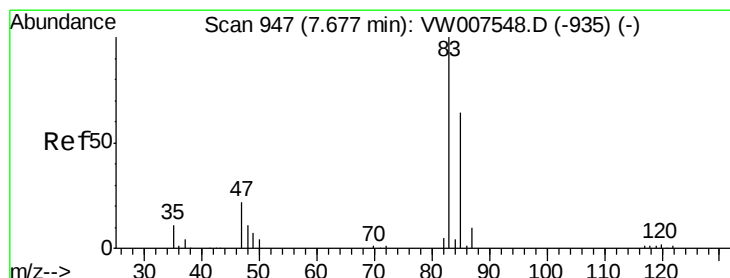
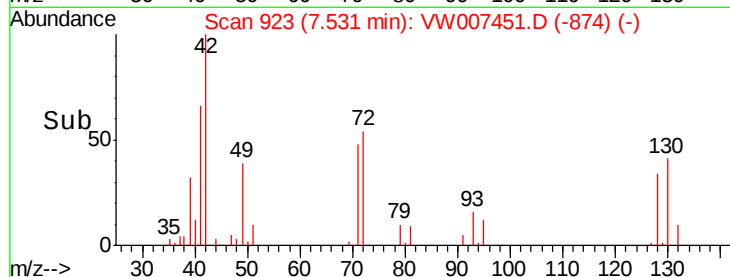
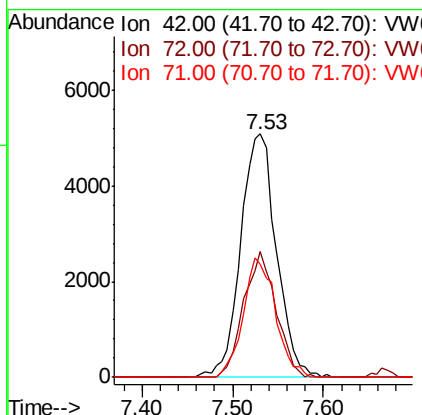
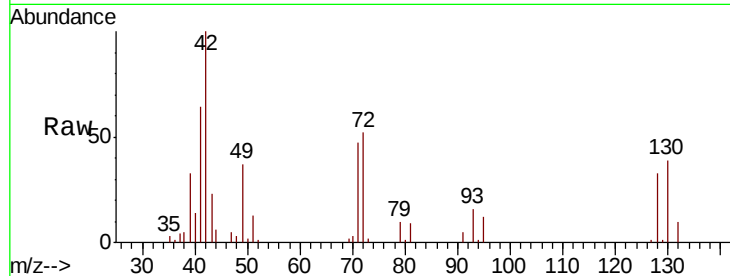
#29
Tetrahydrofuran
Concen: 103.071 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	38.2	57.4
71	44.5	35.5	53.3

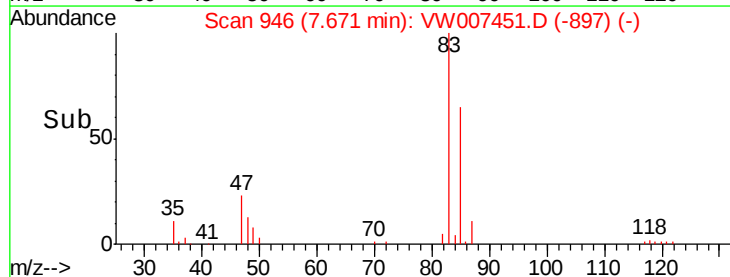
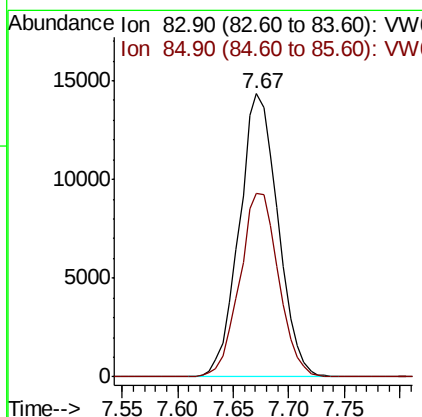
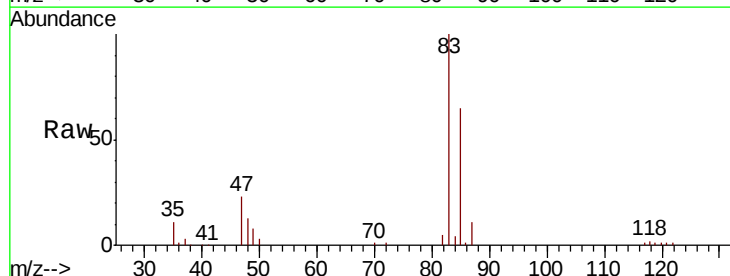
Manual Integrations
APPROVED

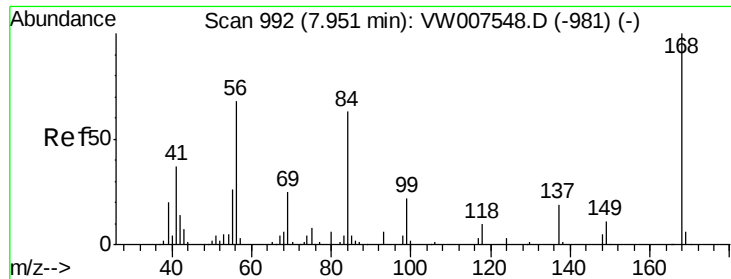
apatel
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#30
Chloroform
Concen: 20.176 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





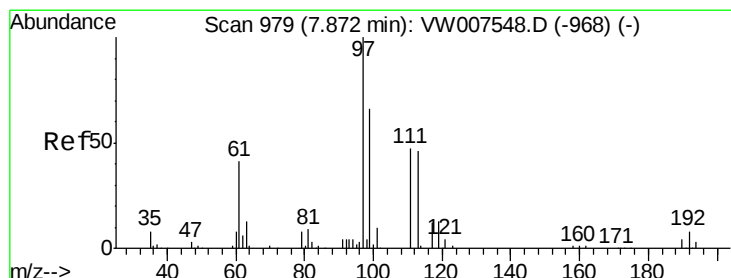
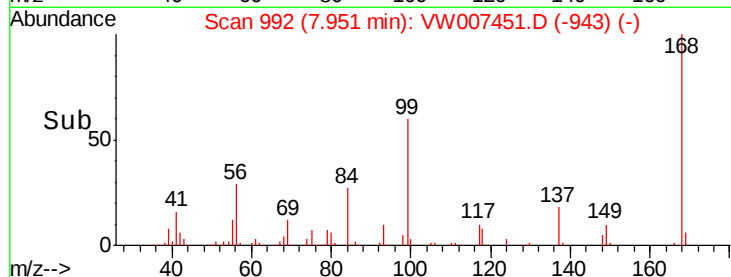
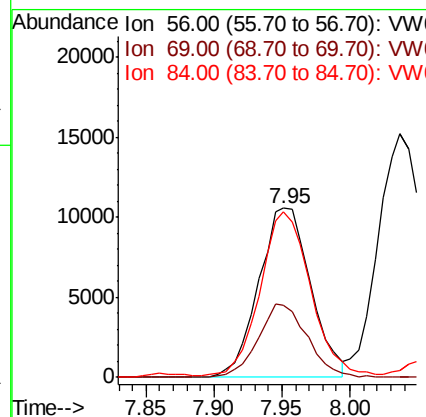
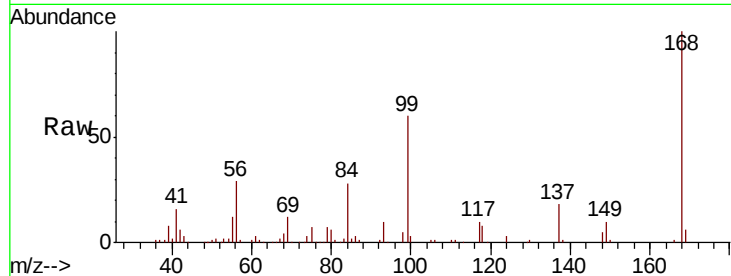
#31
Cyclohexane
Concen: 19.533 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.6	28.9	43.3
84	96.6	71.8	107.6

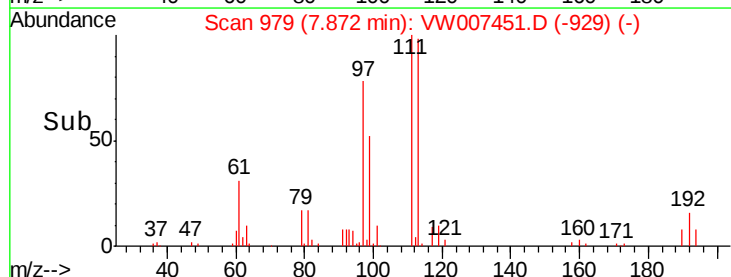
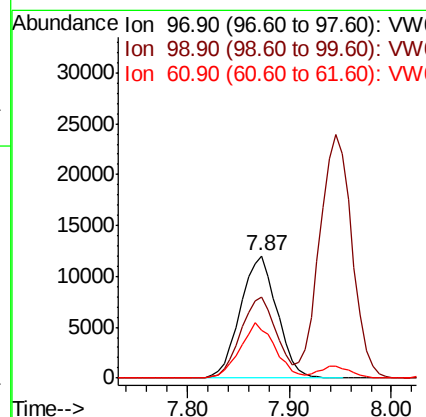
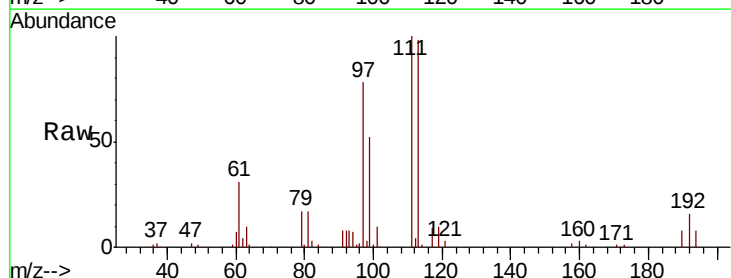
Manual Integrations
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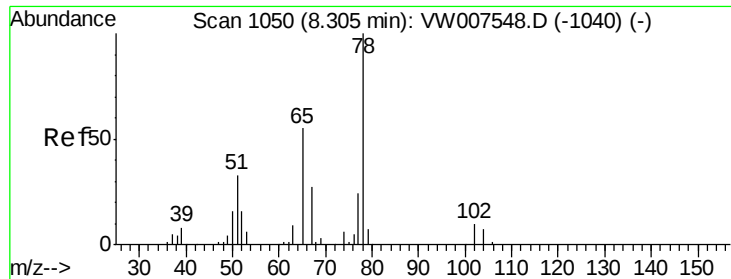
apatel
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#32
1,1,1-Trichloroethane
Concen: 19.960 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	43.0	33.2	49.8





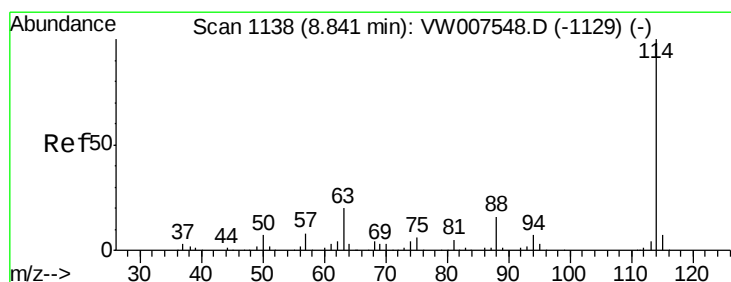
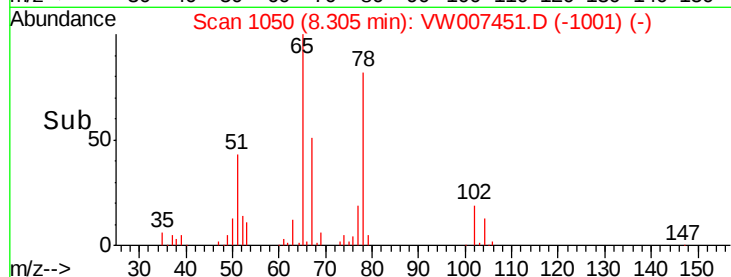
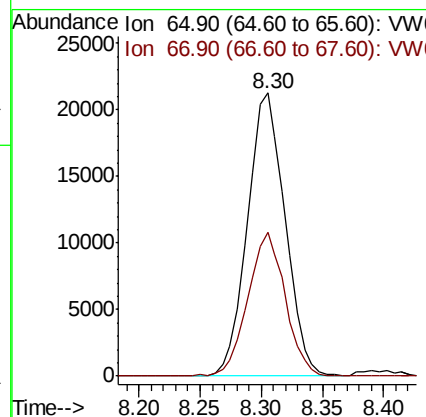
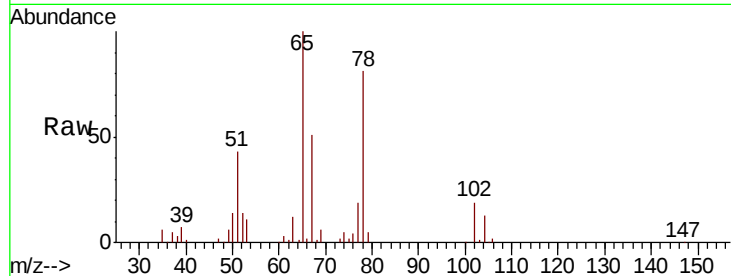
#33
 1,2-Dichloroethane-d4
 Concen: 48.960 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	45599		
67	50.2	0.0	101.6	

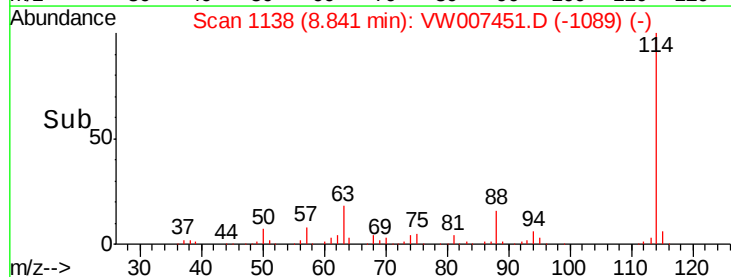
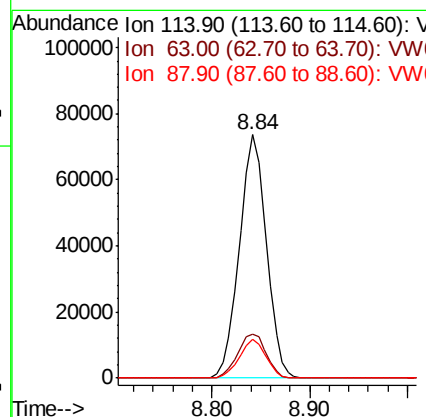
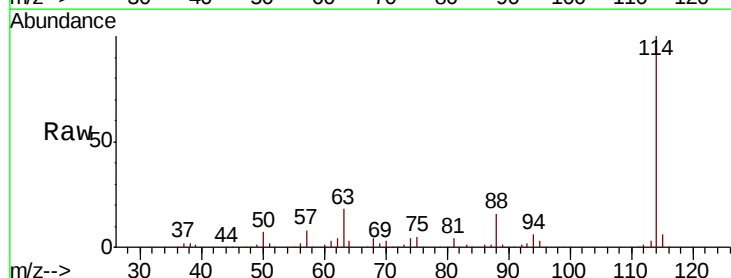
Manual Integrations
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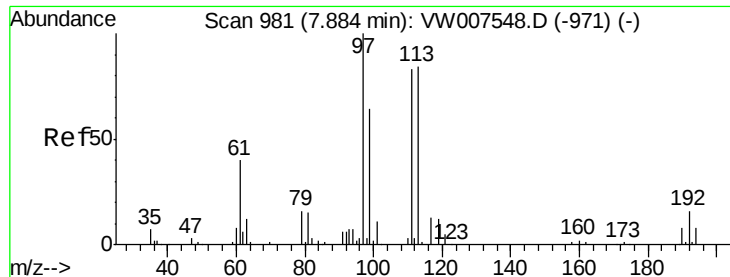
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	141303		
63	18.2	0.0	39.6	
88	15.9	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.916 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

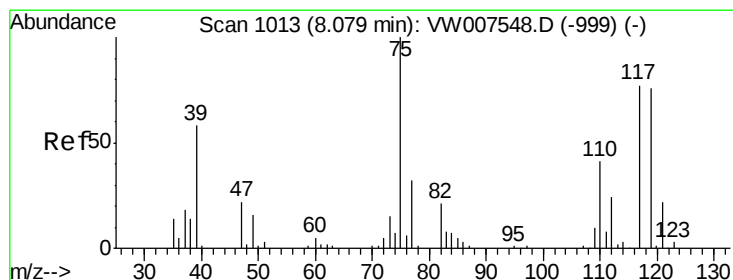
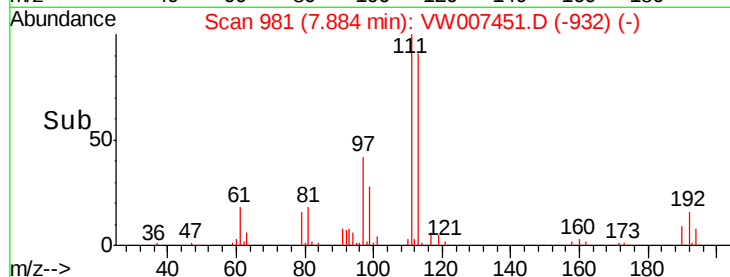
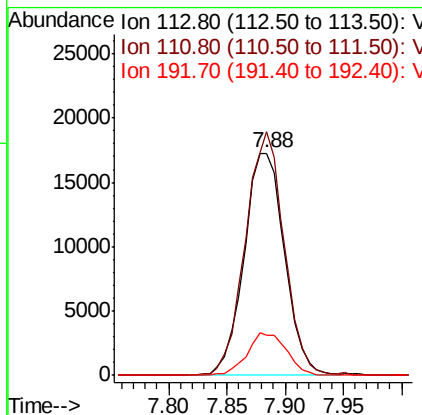
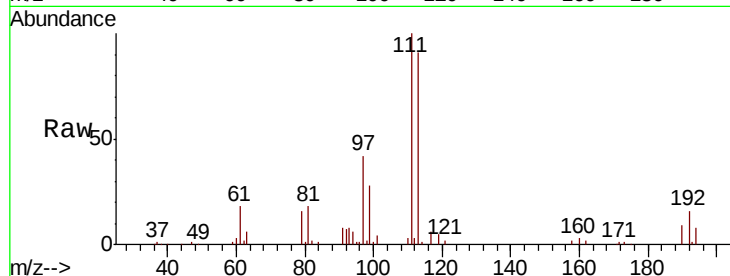
ClientSampleId :

VW1215SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.1	121.7
192	18.5	14.6	21.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.964 ug/l

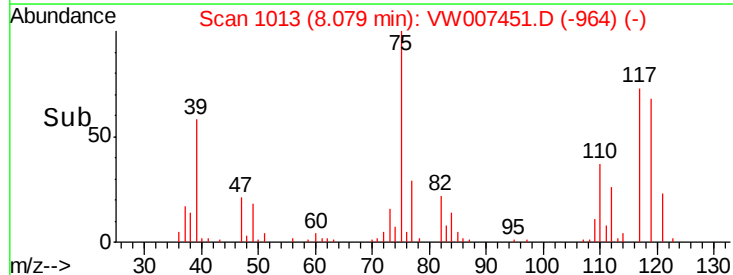
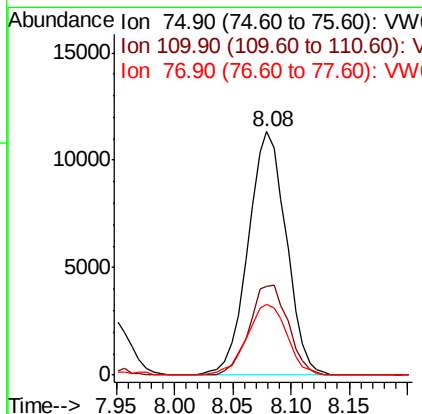
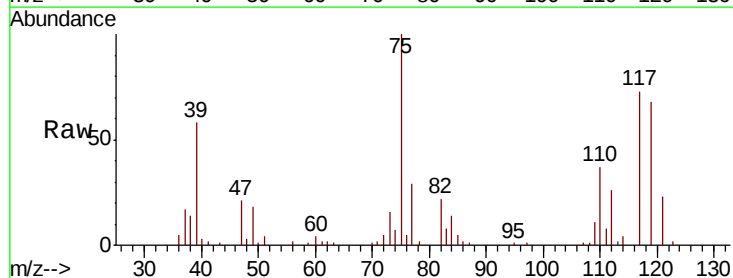
RT: 8.08 min Scan# 1013

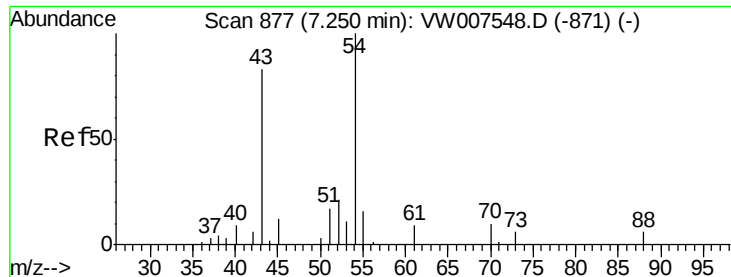
Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.5	55.5
77	30.5	25.6	38.4





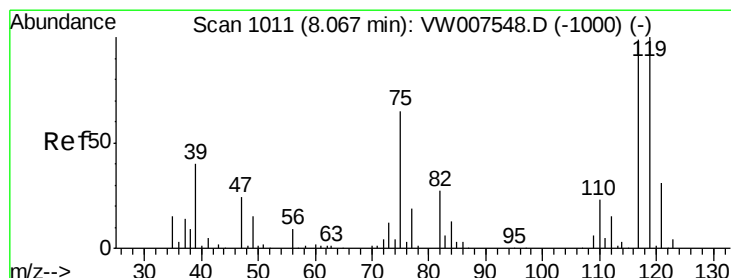
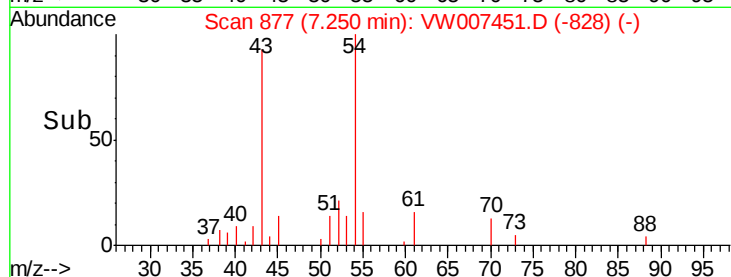
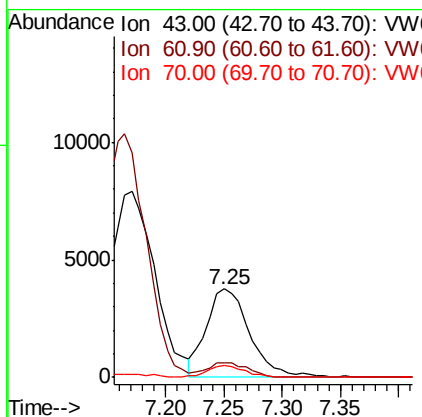
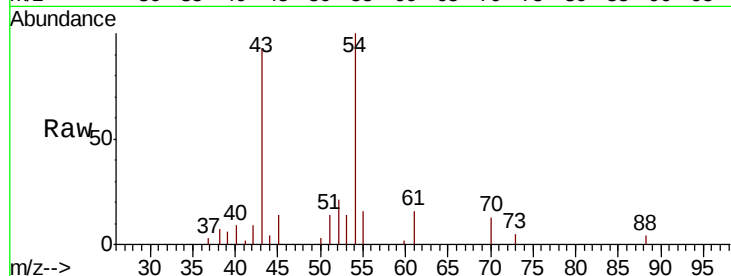
#37
Ethyl Acetate
Concen: 20.282 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.1	18.1
70	11.7	10.0	15.0

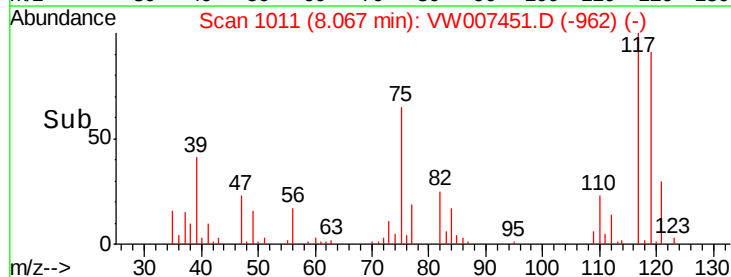
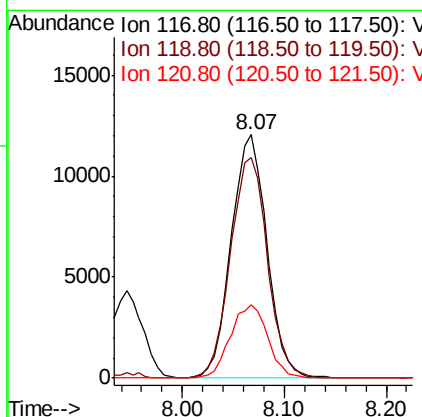
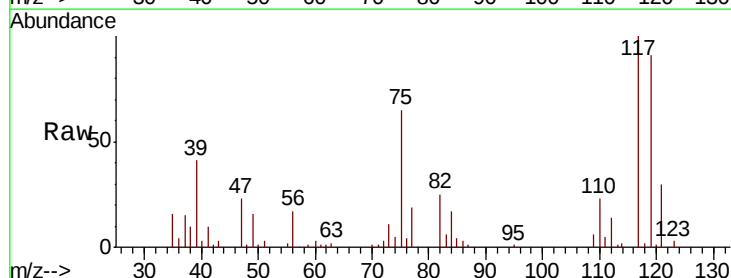
Manual Integrations
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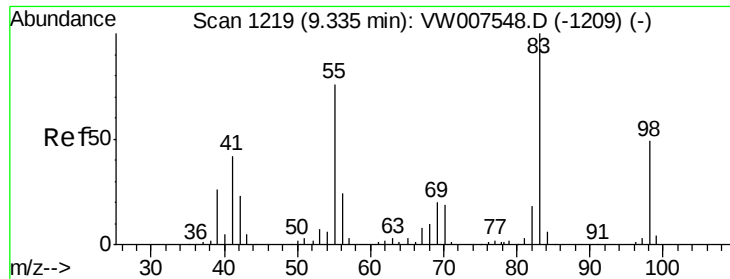
apatel
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#38
Carbon Tetrachloride
Concen: 20.894 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	74.3	111.5
121	29.9	24.3	36.5





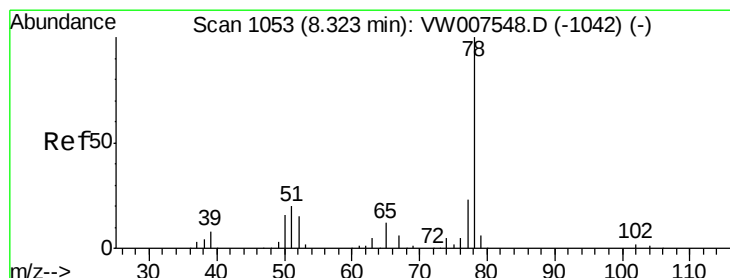
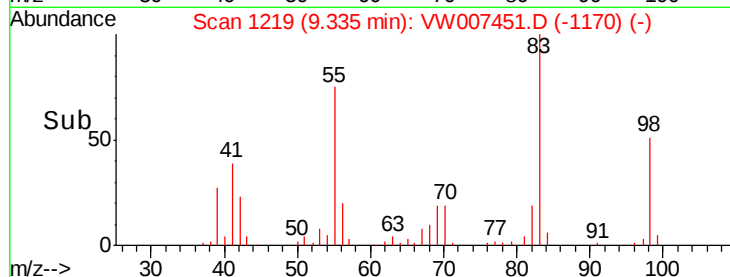
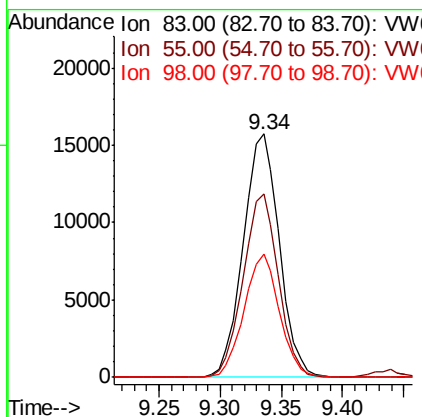
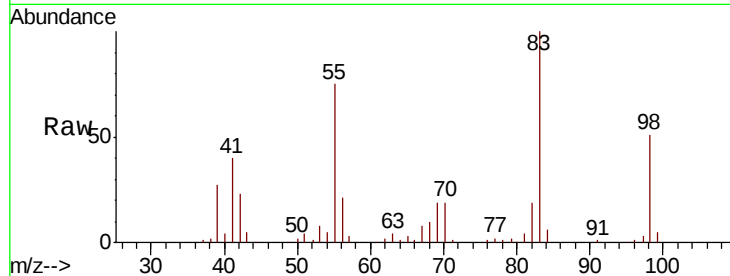
#39
Methvlcvclohexane
Concen: 20.676 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	62.8	94.2
98	50.9	42.2	63.2

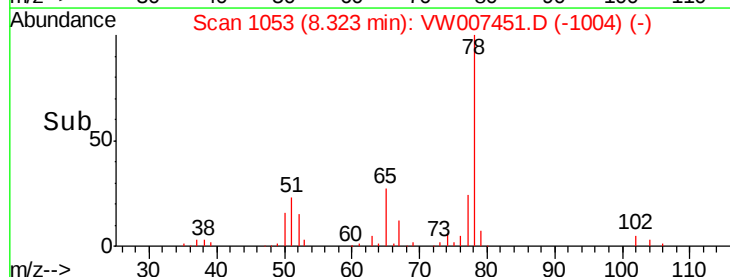
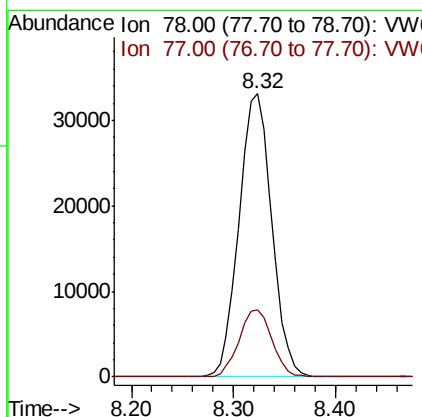
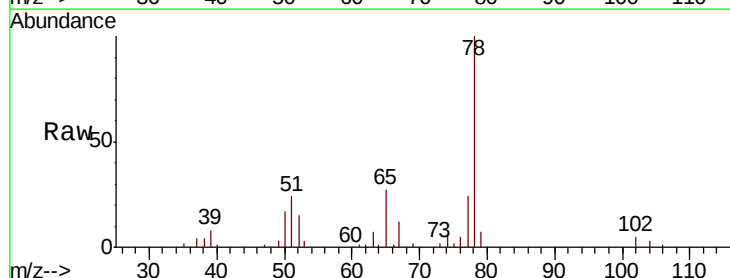
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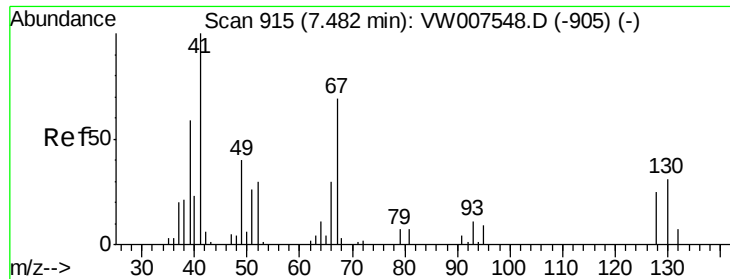
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#40
Benzene
Concen: 20.640 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





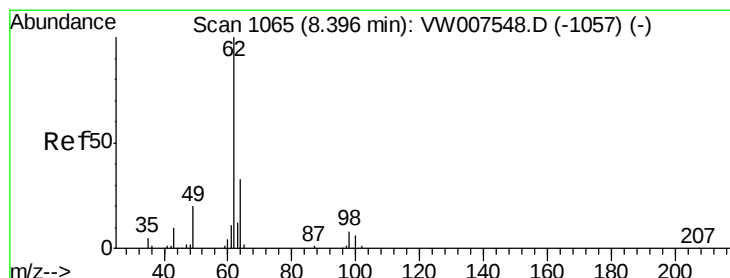
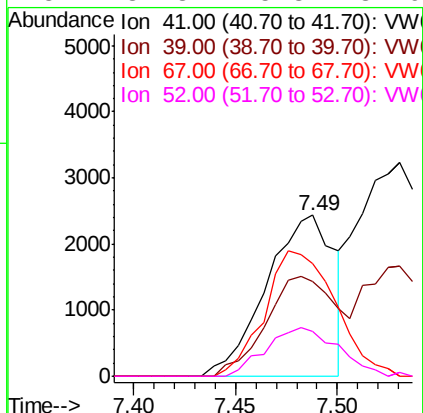
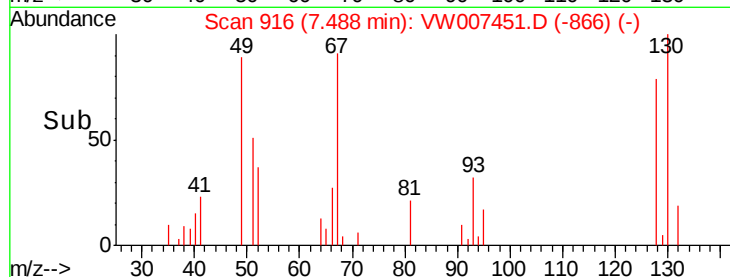
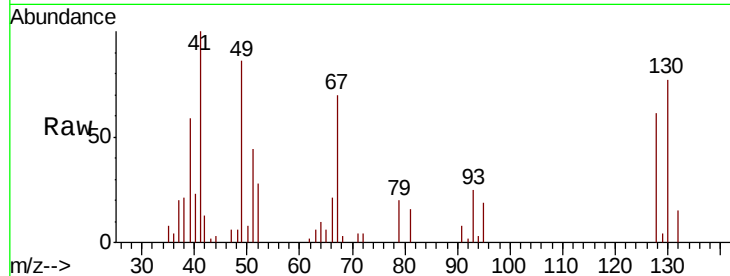
#41
Methacrylonitrile
Concen: 20.699 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion:	41	Resp:	5651
Ion	Ratio	Lower	Upper
41	100		
39	66.0	52.2	78.2
67	81.1	60.5	90.7
52	32.3	25.3	37.9

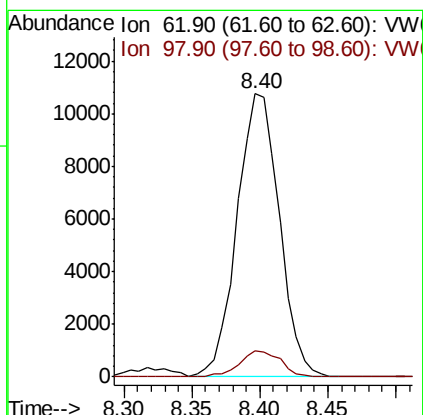
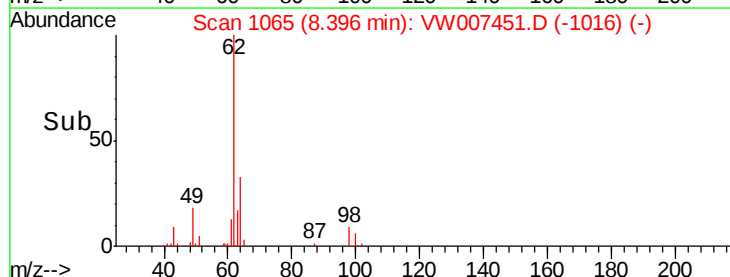
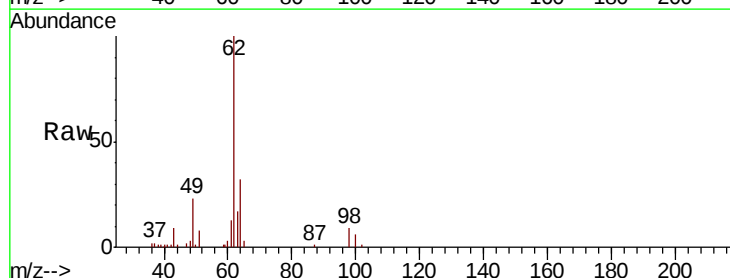
Manual Integrations
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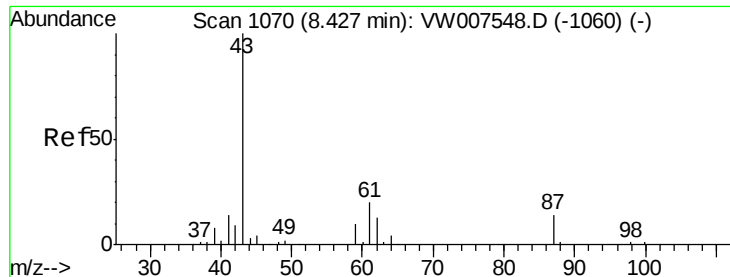
apatel
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#42
1,2-Dichloroethane
Concen: 20.701 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion:	62	Resp:	23262
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.980 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

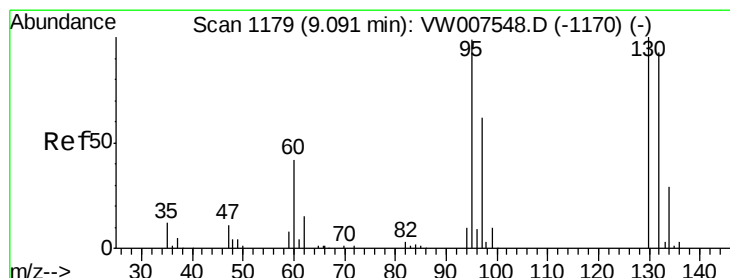
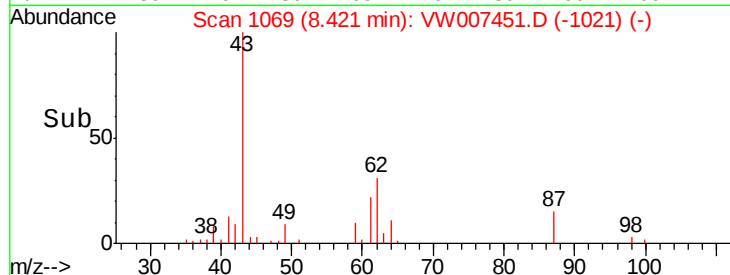
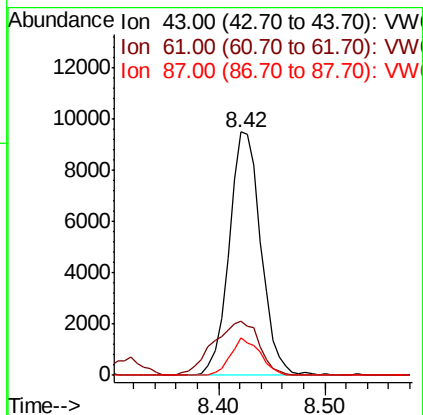
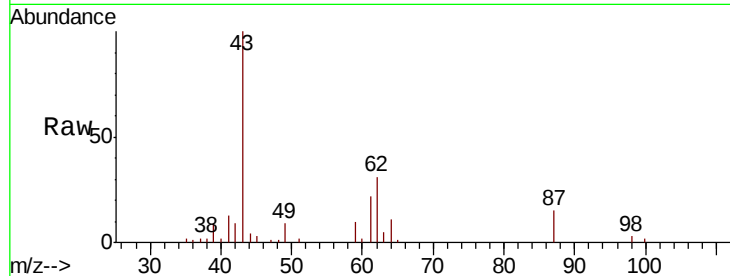
ClientSampleId :

VW1215SBS01

Tot Ion:	43	Resp:	19869
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.3	37.9
87	14.3	11.8	17.8

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#44

Trichloroethene

Concen: 20.696 ug/l

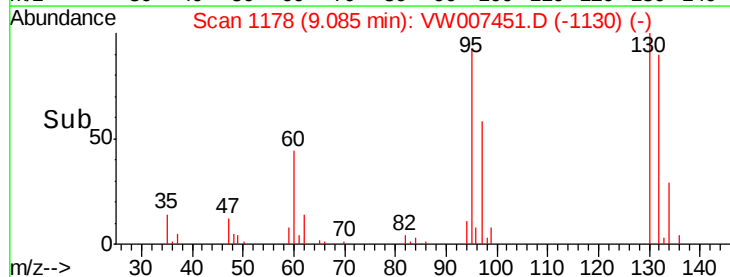
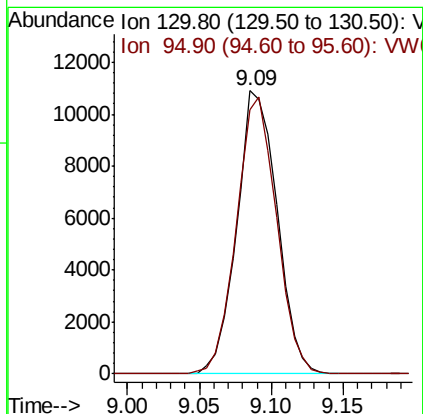
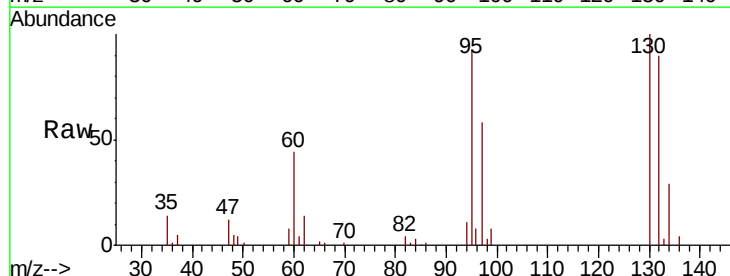
RT: 9.09 min Scan# 1178

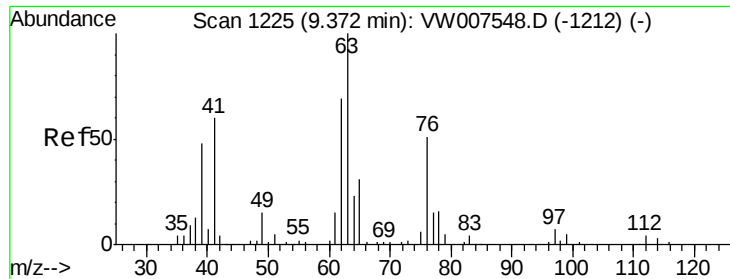
Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion:	130	Resp:	21141
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	193.2





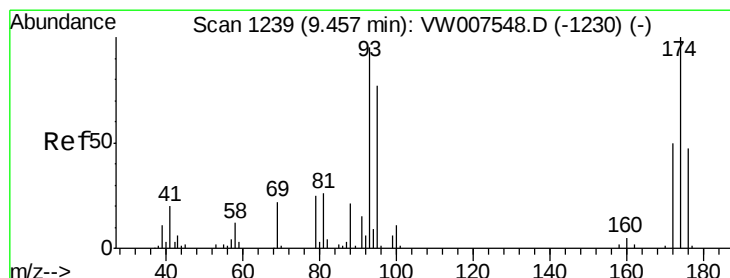
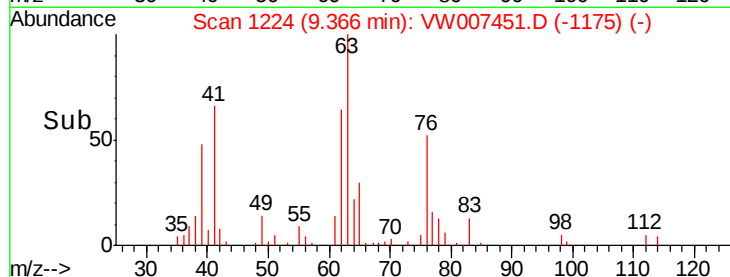
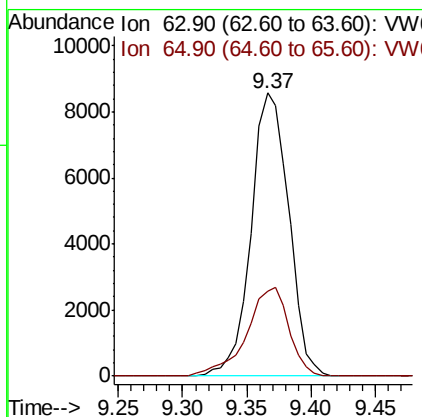
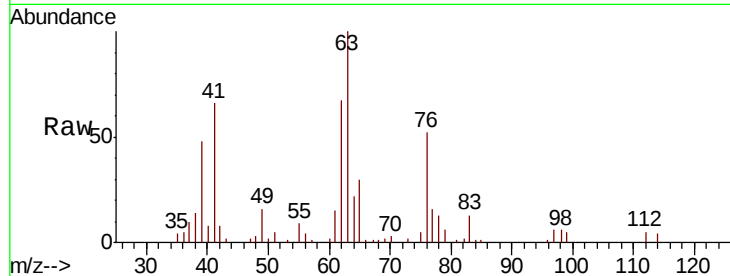
#45
 1,2-Dichloropropane
 Concen: 20.898 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion: 63 Resp: 17300
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6

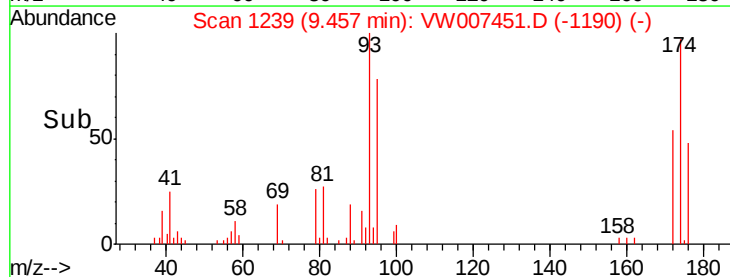
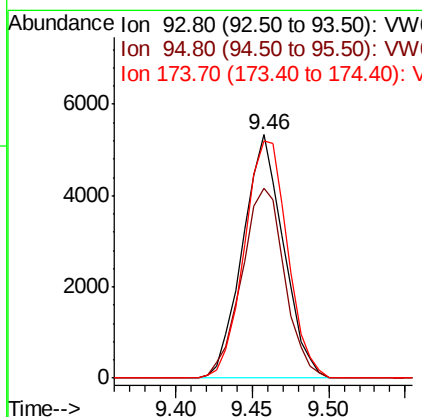
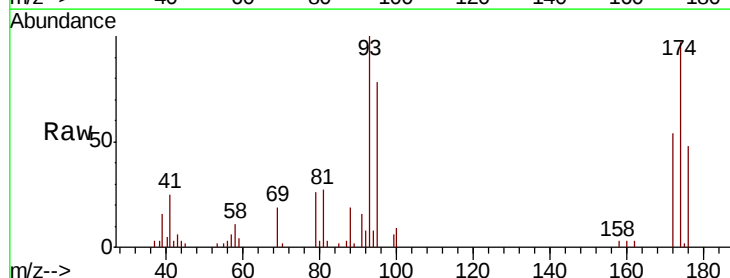
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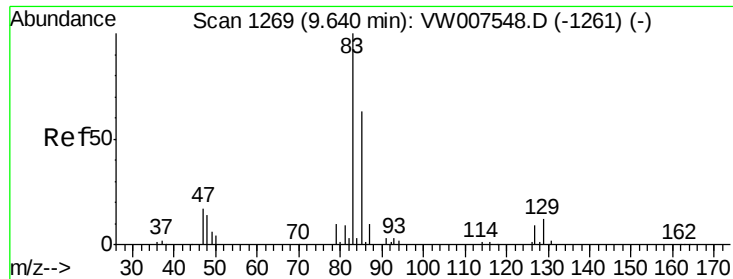
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#46
 Dibromomethane
 Concen: 21.044 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 93 Resp: 9893
 Ion Ratio Lower Upper
 93 100
 95 82.0 68.0 102.0
 174 103.1 83.2 124.8





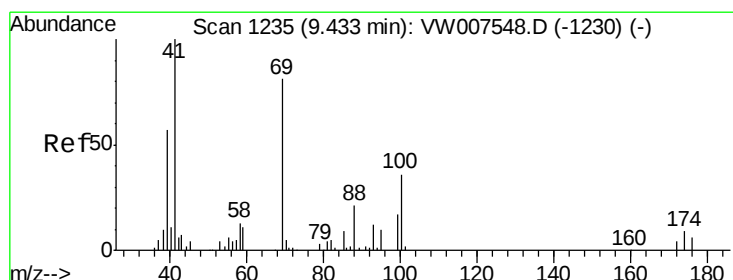
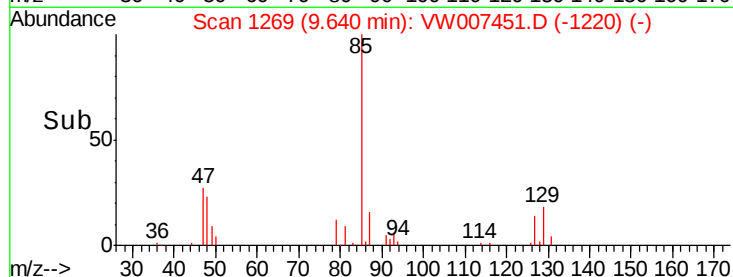
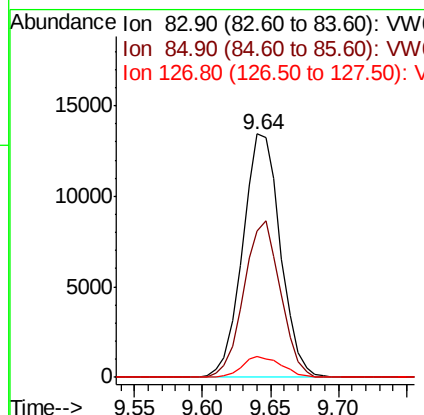
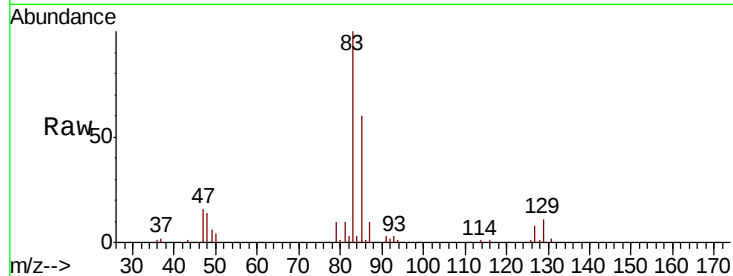
#47
Bromodichloromethane
Concen: 21.095 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	26012		
85	60.4		47.6	71.4
127	8.4		6.7	10.1

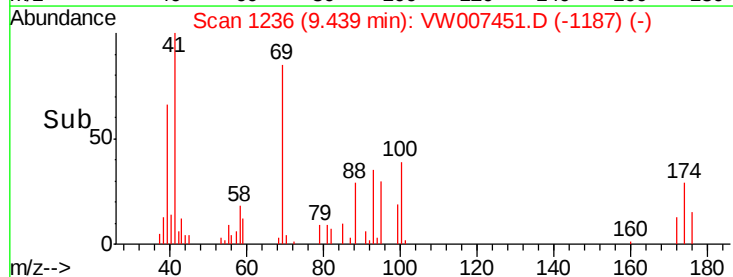
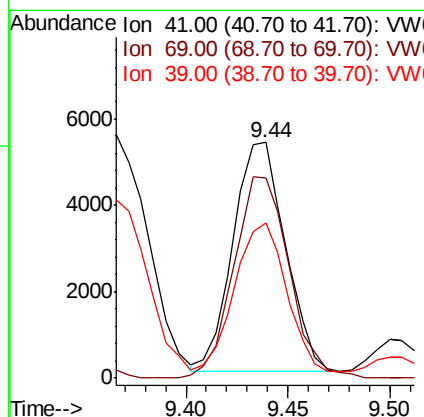
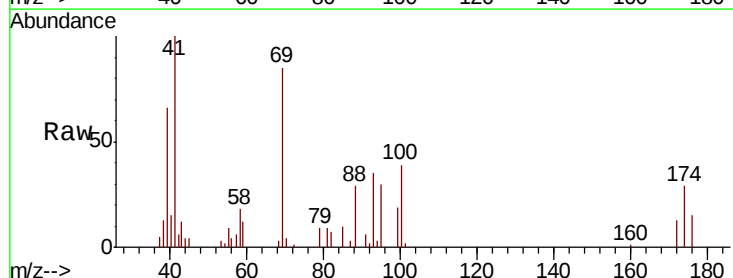
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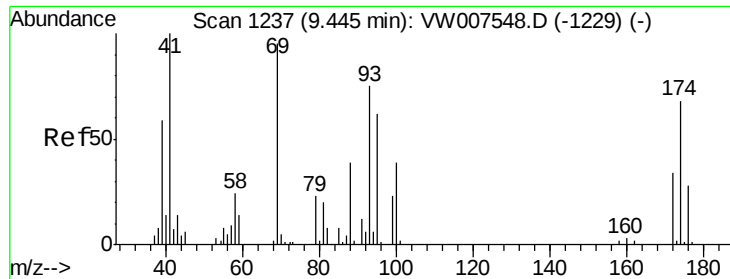
apatel
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#48
Methyl methacrylate
Concen: 19.487 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	9478		
69	92.6		69.8	104.8
39	65.0		50.9	76.3





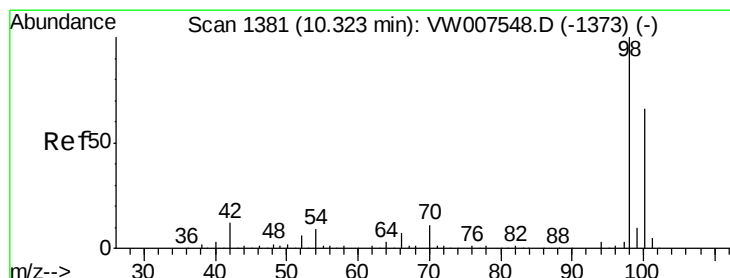
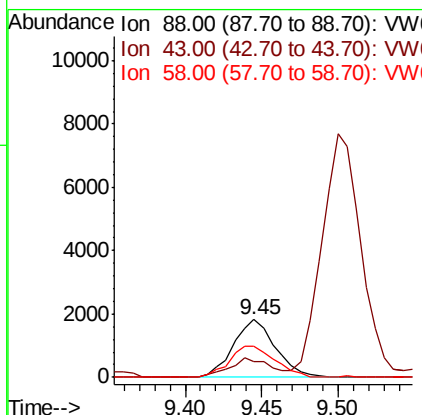
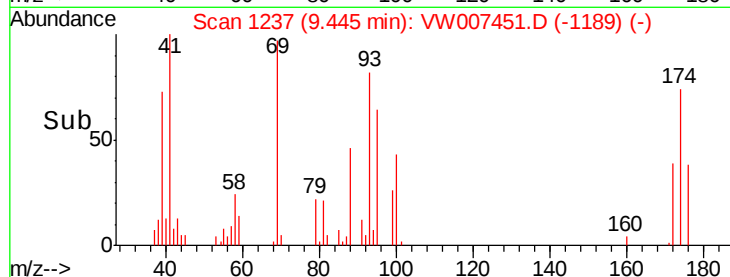
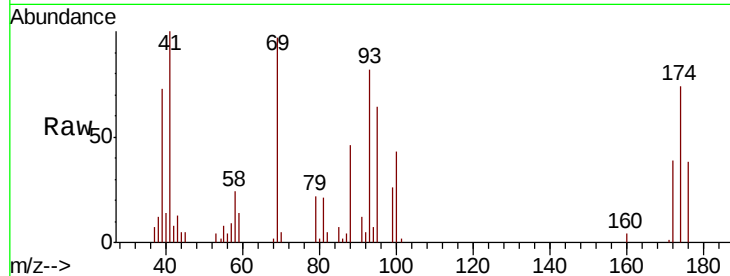
#49
1,4-Dioxane
Concen: 456.621 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	88	Resp	3483
Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.0	37.4
58	58.3	51.4	77.2

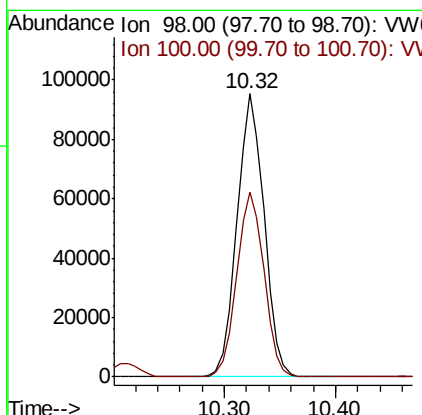
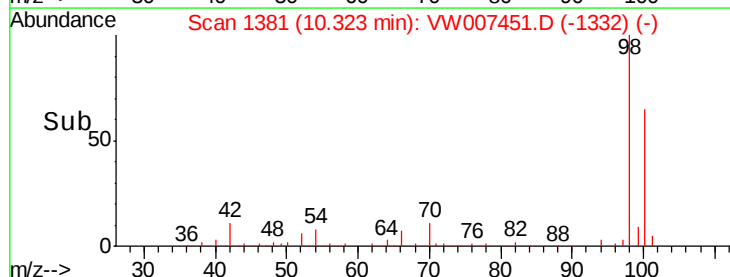
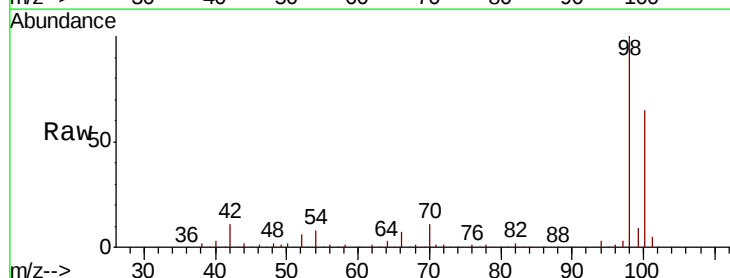
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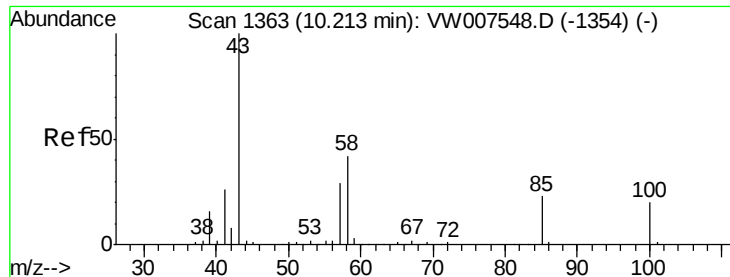
apatel
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#50
Toluene-d8
Concen: 49.995 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	98	Resp	160340
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 104.454 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 43 Resp: 46740

Ion Ratio Lower Upper

43 100

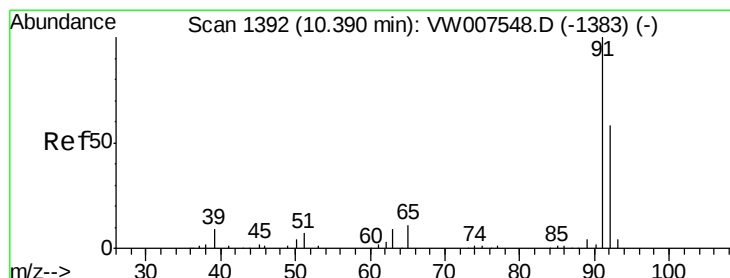
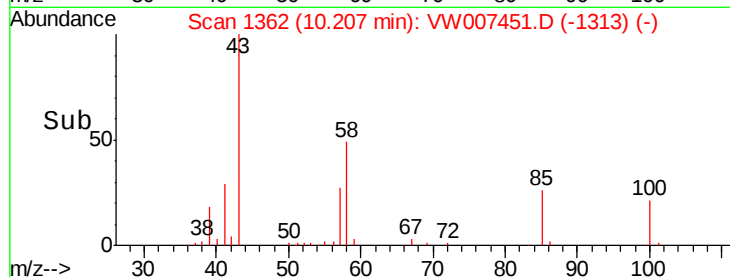
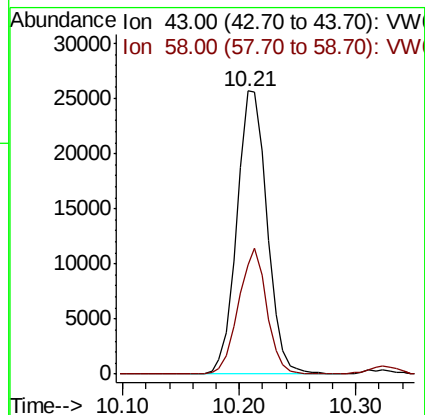
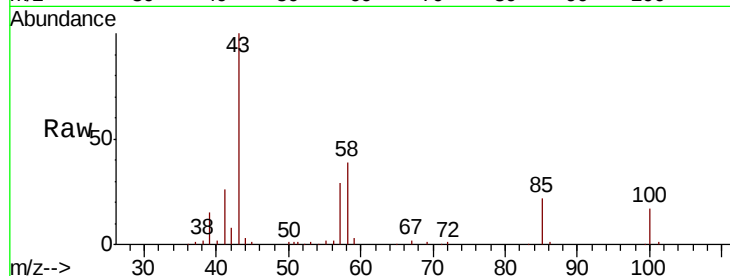
58 41.3 33.1 49.7

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#52

Toluene

Concen: 20.910 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007451.D

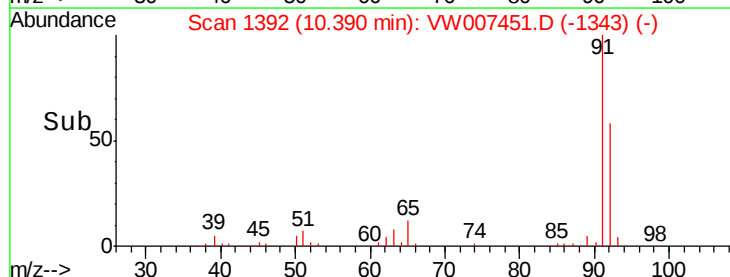
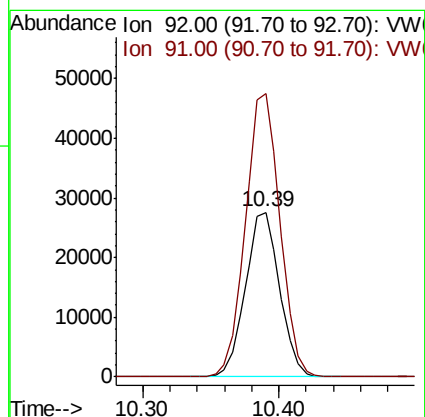
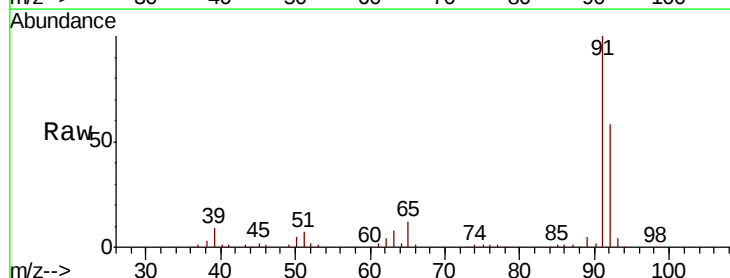
Acq: 12 Dec 2018 21:29

Tgt Ion: 92 Resp: 48406

Ion Ratio Lower Upper

92 100

91 173.9 136.2 204.2





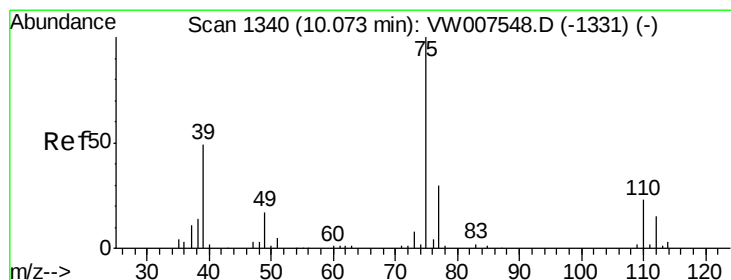
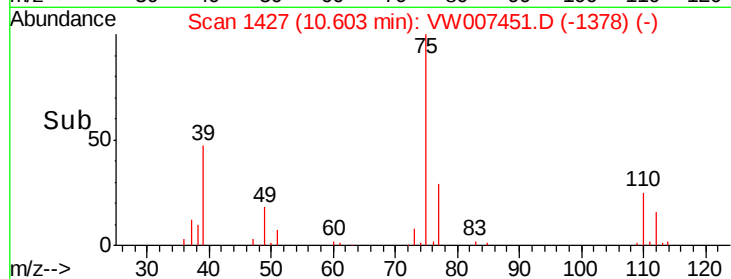
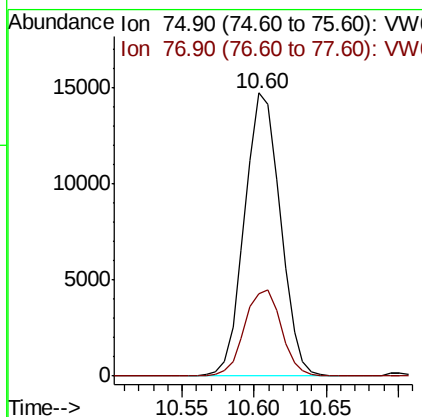
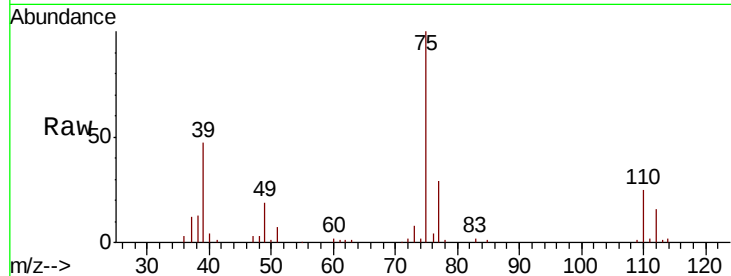
#53
 t-1,3-Dichloropropene
 Concen: 21.182 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	26.2	39.4

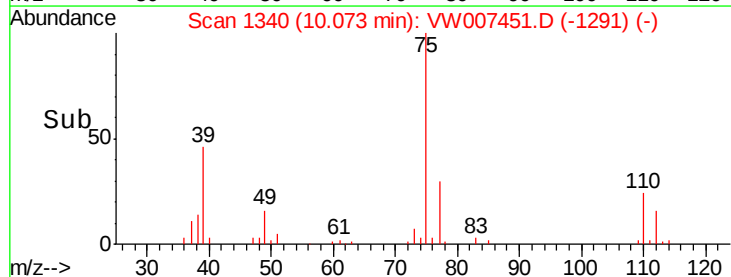
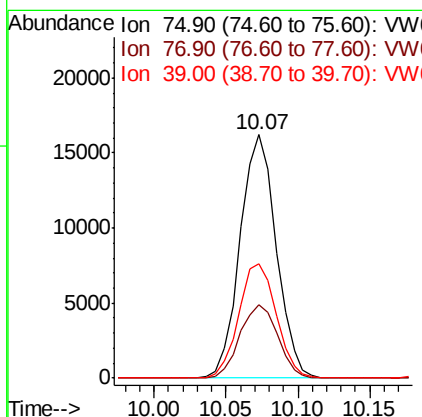
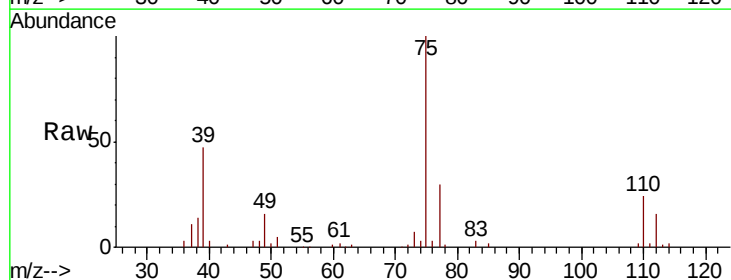
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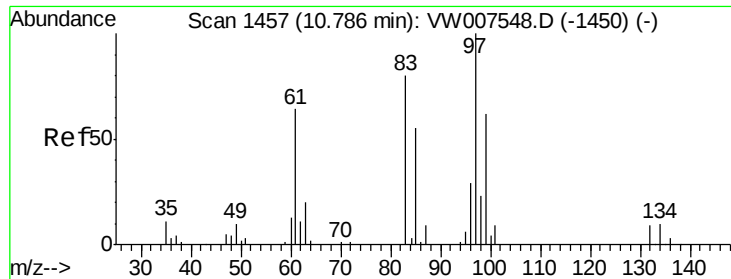
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#54
 cis-1,3-Dichloropropene
 Concen: 20.387 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2
39	46.8	40.9	61.3





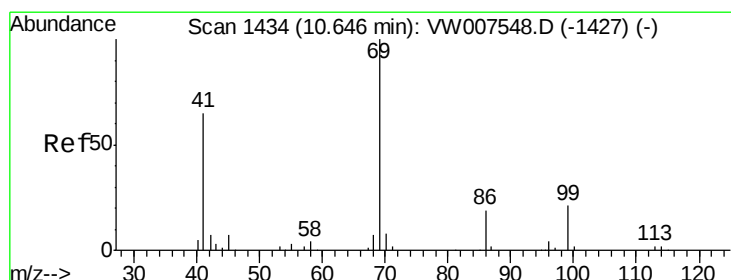
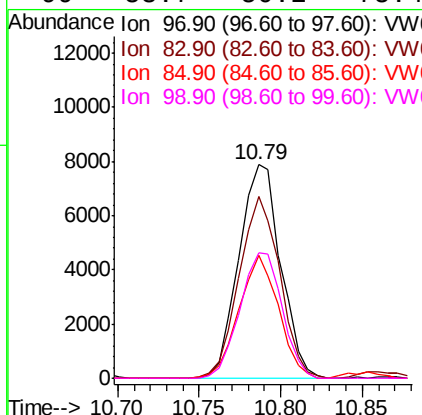
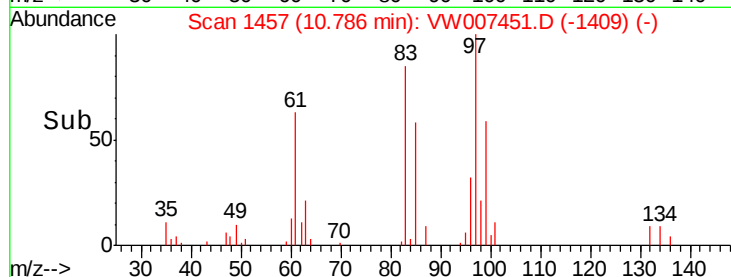
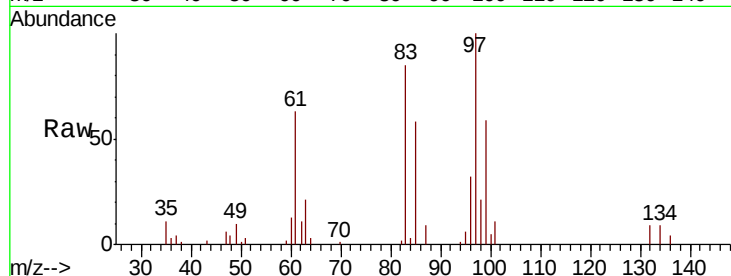
#55
 1,1,2-Trichloroethane
 Concen: 22.005 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		14079		
83	85.1	62.1	93.1		
85	57.7	44.2	66.4		
99	58.7	50.2	75.4		

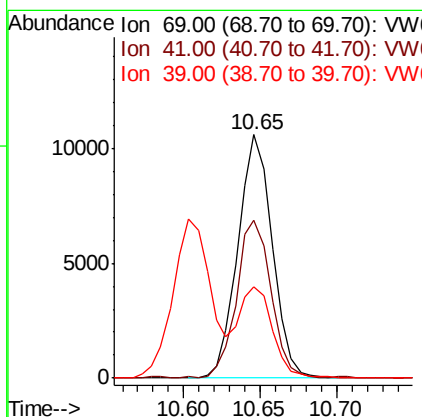
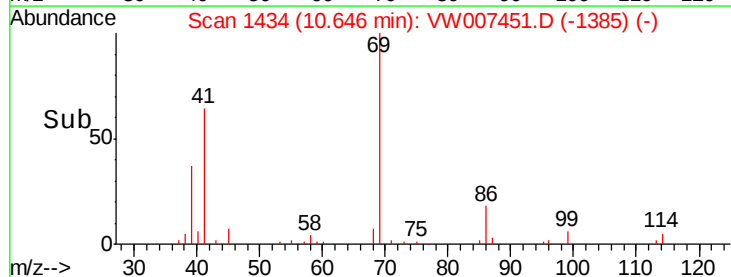
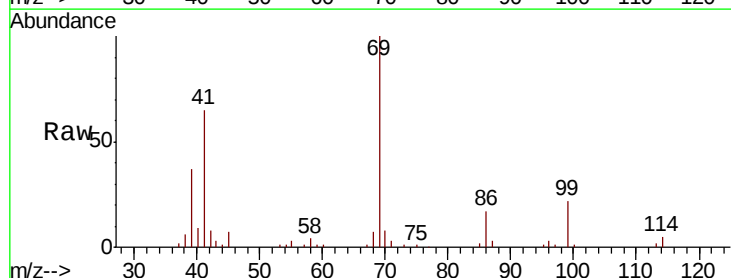
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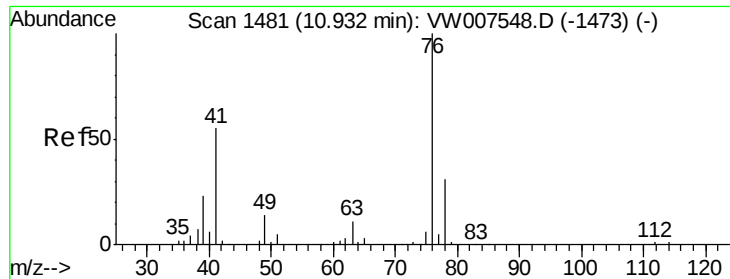
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#56
 Ethyl methacrylate
 Concen: 21.526 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		16554		
41	65.3	51.0	76.6		
39	37.4	30.8	46.2		





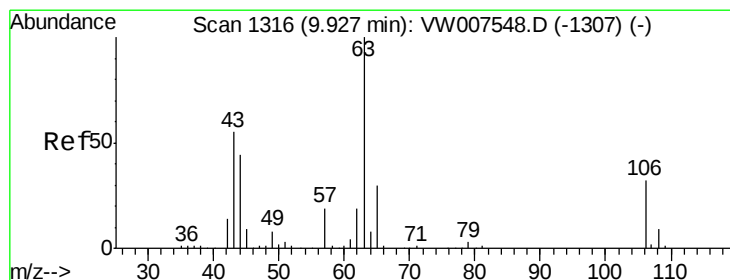
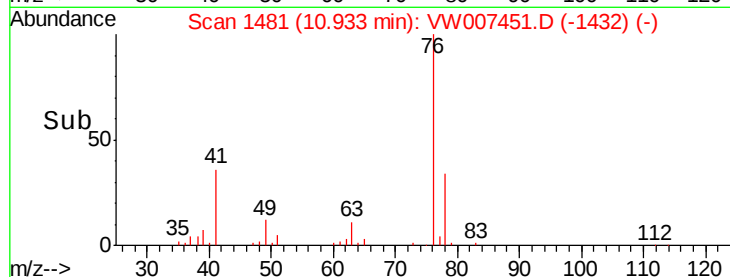
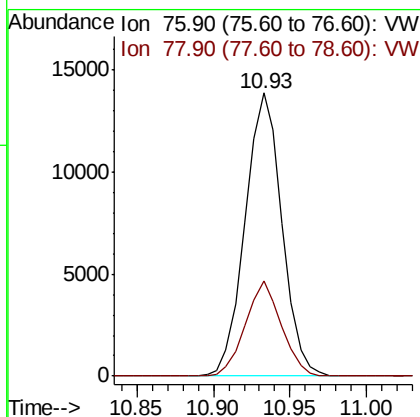
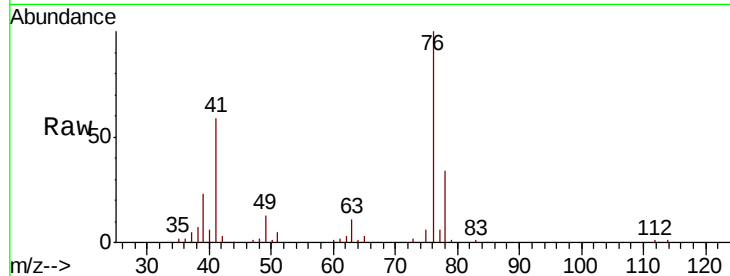
#57
 1,3-Dichloropropane
 Concen: 22.100 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion: 76 Resp: 23209
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4

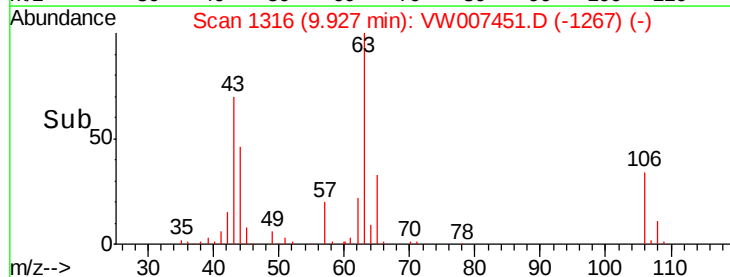
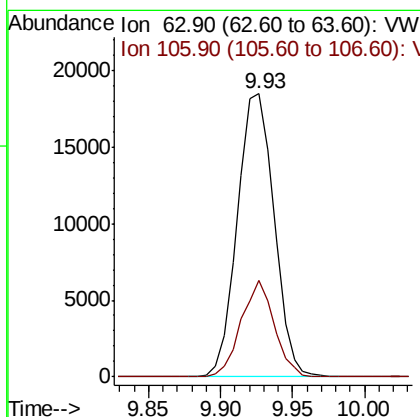
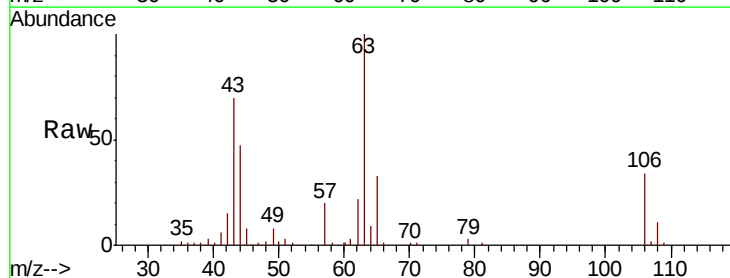
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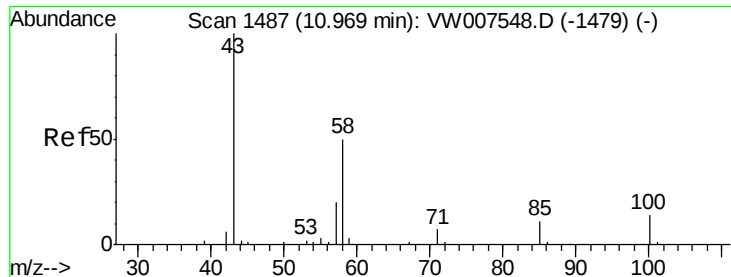
apatel
 12/18/2018 10:55:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.478 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 63 Resp: 32796
 Ion Ratio Lower Upper
 63 100
 106 30.6 25.0 37.6





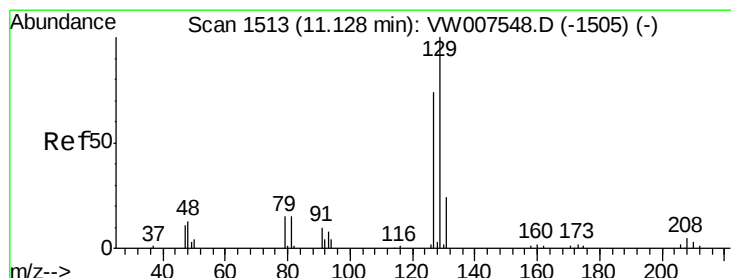
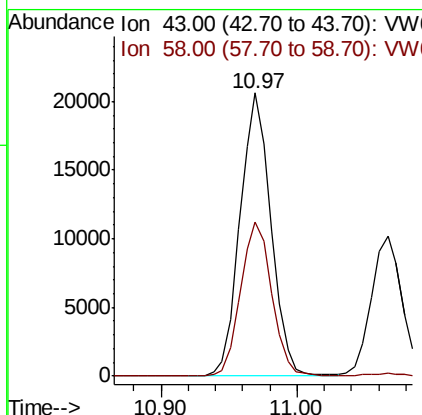
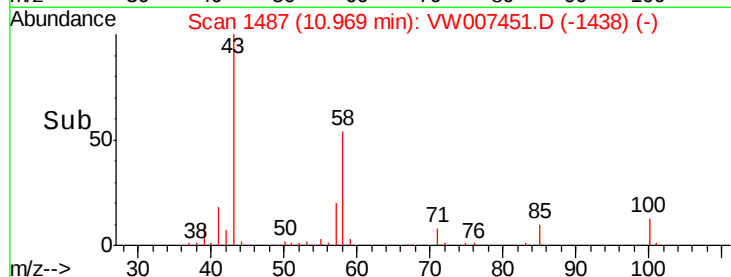
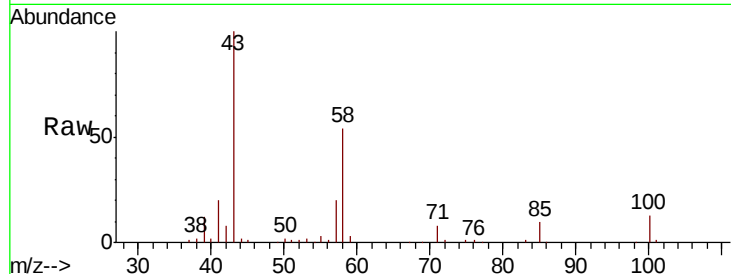
#59
2-Hexanone
Concen: 109.719 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 43 Resp: 32737
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3

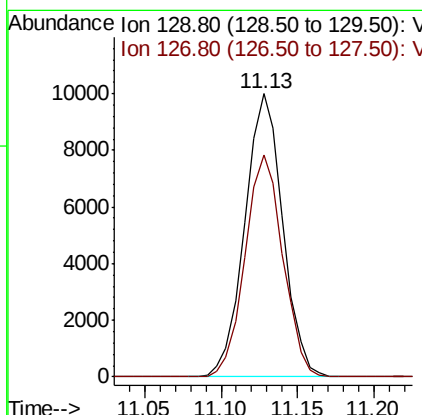
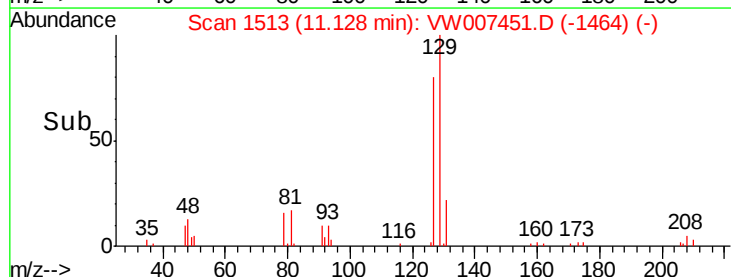
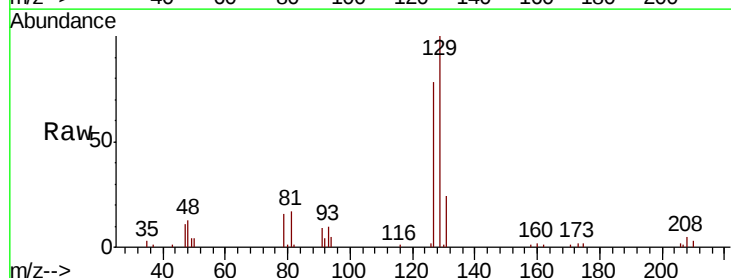
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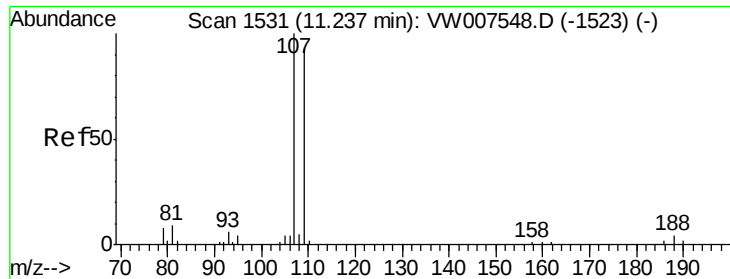
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#60
Dibromochloromethane
Concen: 21.344 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 129 Resp: 17234
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





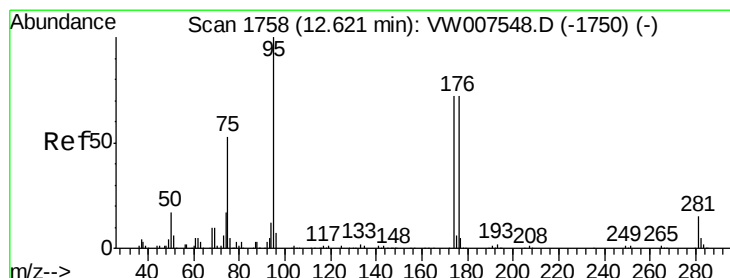
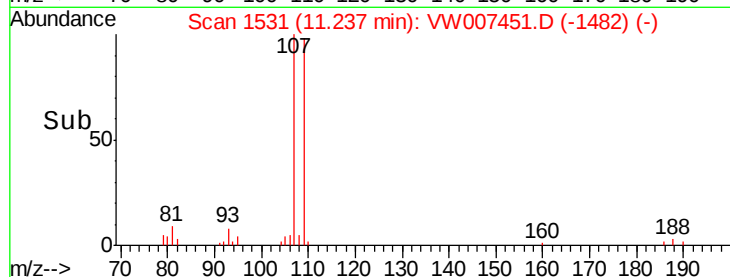
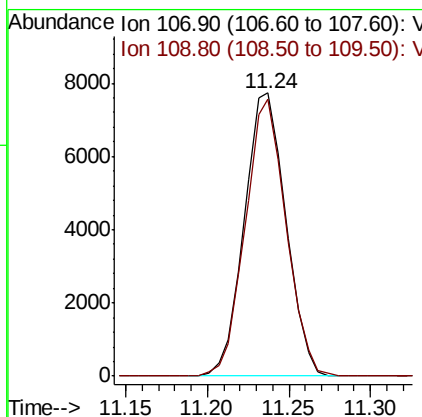
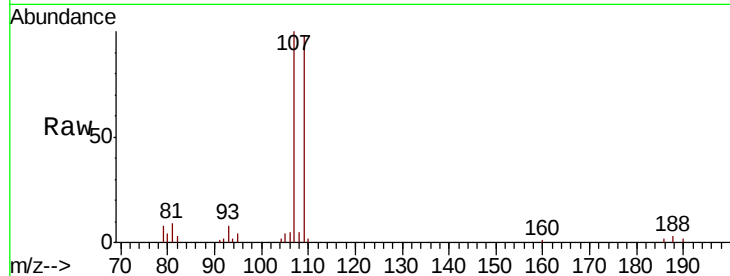
#61
 1,2-Dibromoethane
 Concen: 21.630 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion: 107 Resp: 13676
 Ion Ratio Lower Upper
 107 100
 109 95.9 79.1 118.7

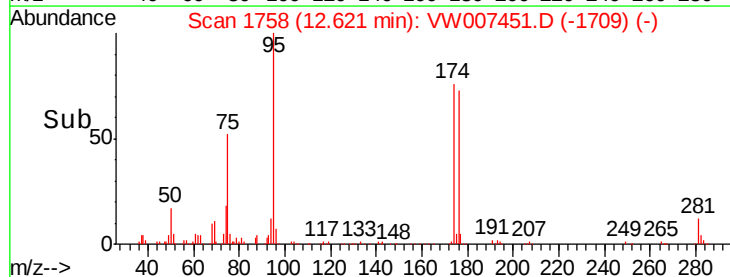
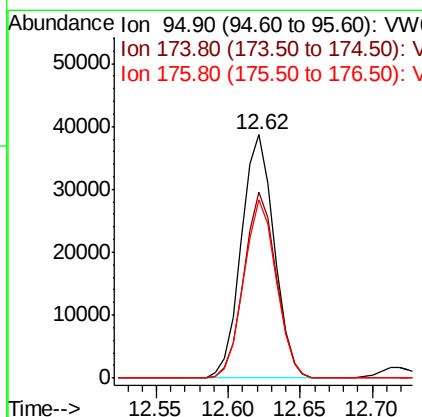
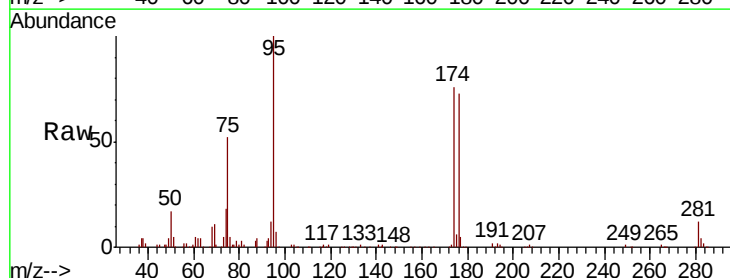
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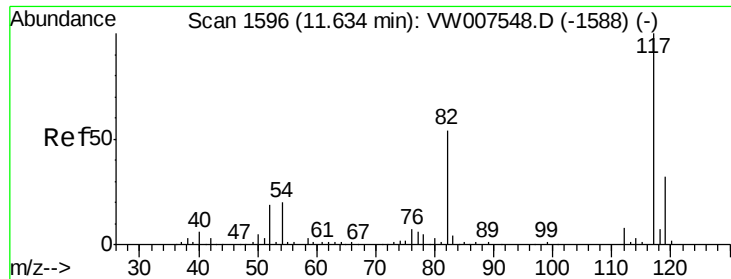
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.710 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 95 Resp: 60975
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 147.2
 176 72.7 0.0 138.8





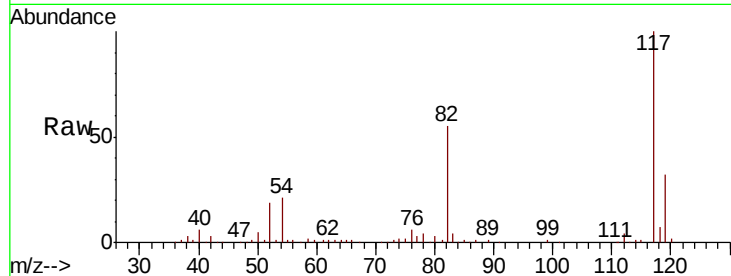
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.3	63.5
119	32.4	23.0	34.6

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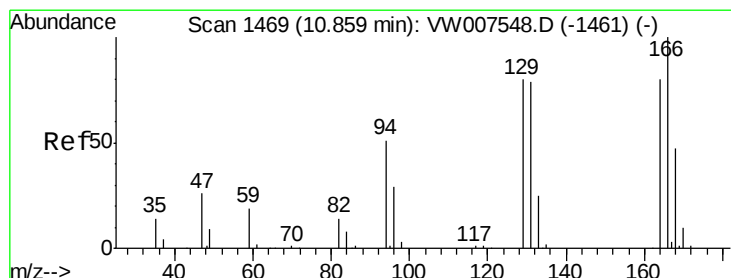
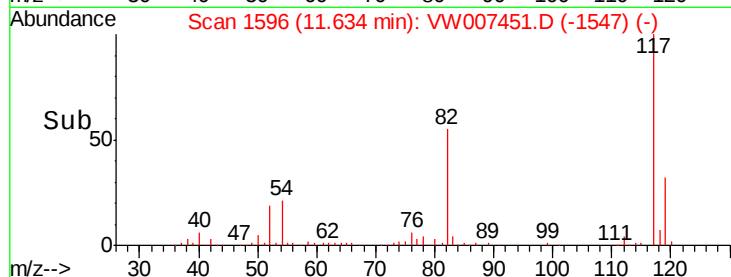
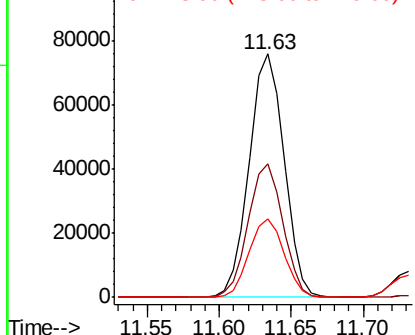


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.448 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.9	161.9
129	101.1	73.4	110.2
131	96.0	75.8	113.6

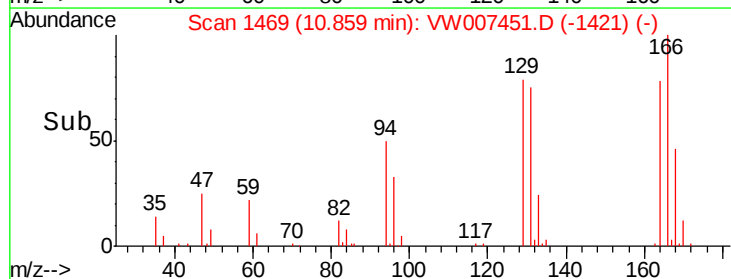
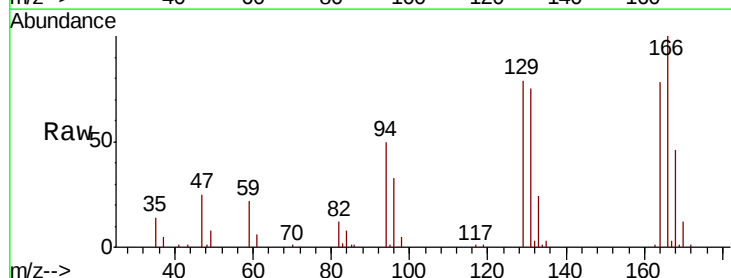
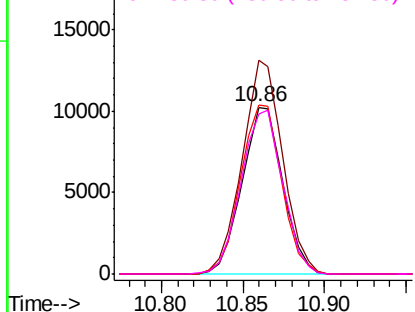
Abundance

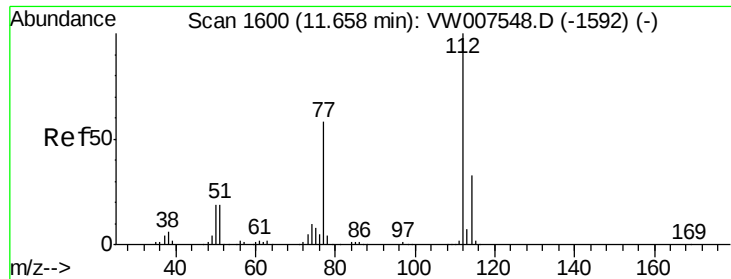
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





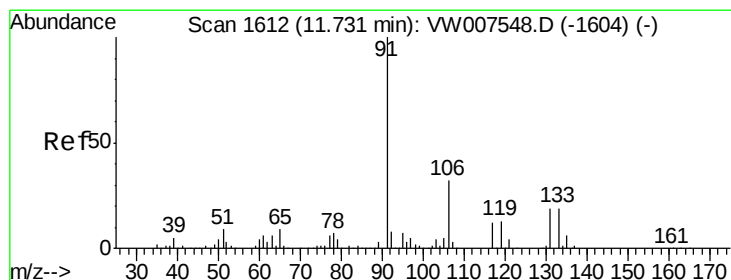
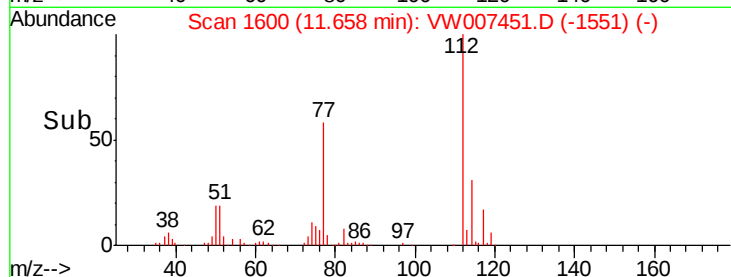
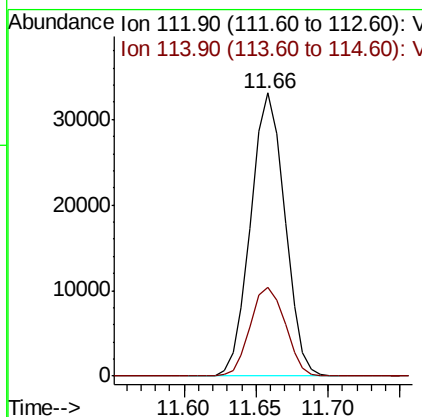
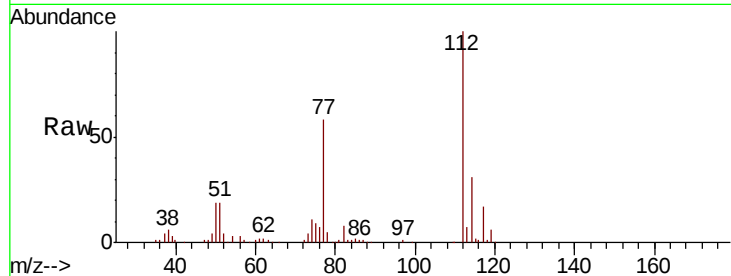
#65
Chlorobenzene
Concen: 20.497 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.8	41.8

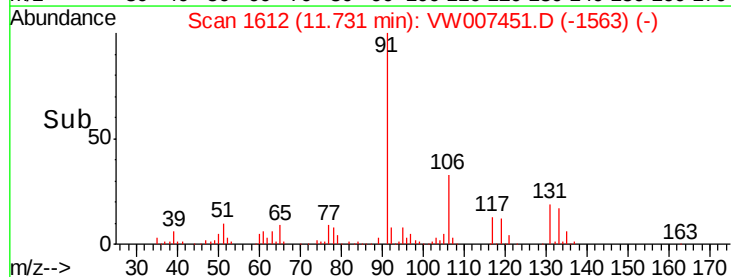
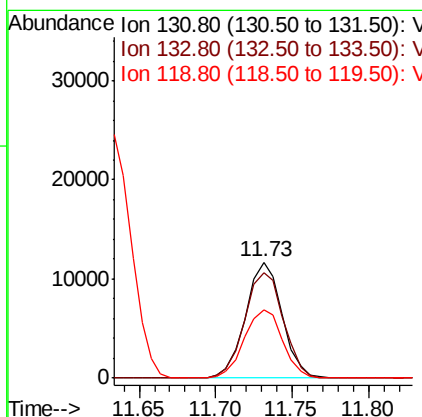
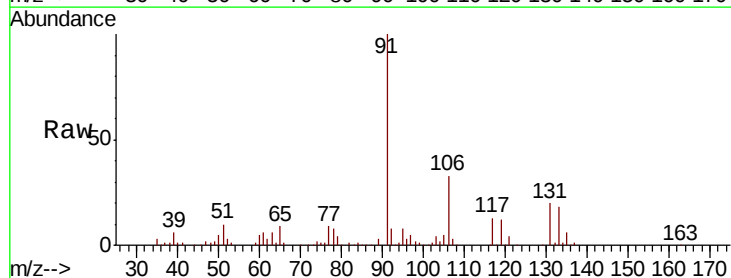
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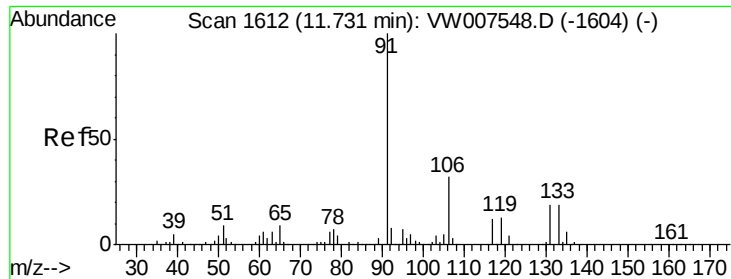
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.716 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.1	141.4
119	62.1	31.3	93.9





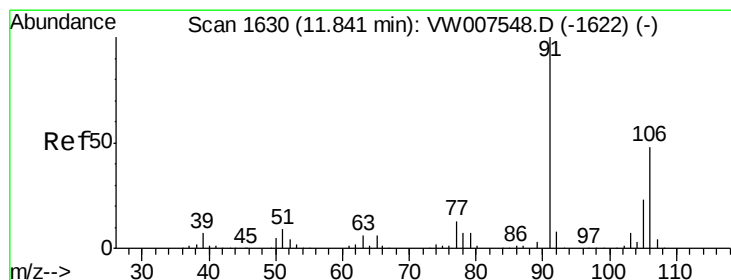
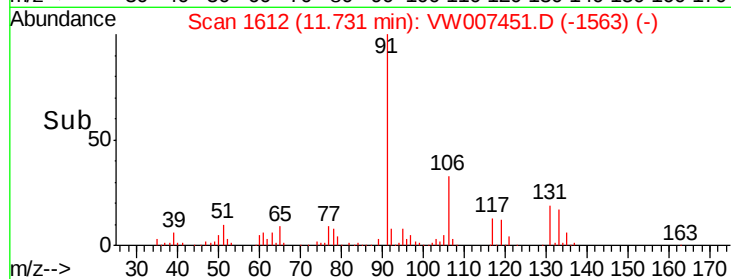
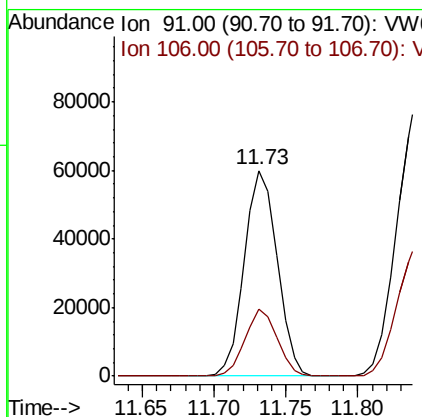
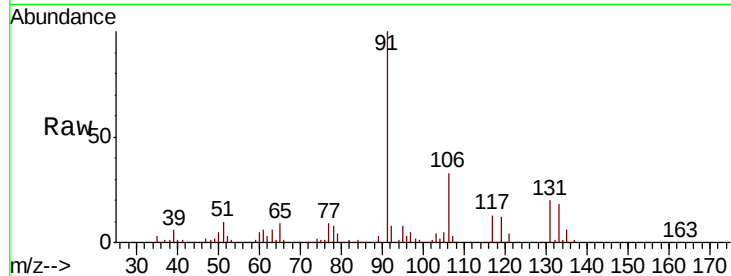
#67
Ethyl Benzene
Concen: 20.852 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion: 91 Resp: 95017
Ion Ratio Lower Upper
91 100
106 32.6 21.8 32.8

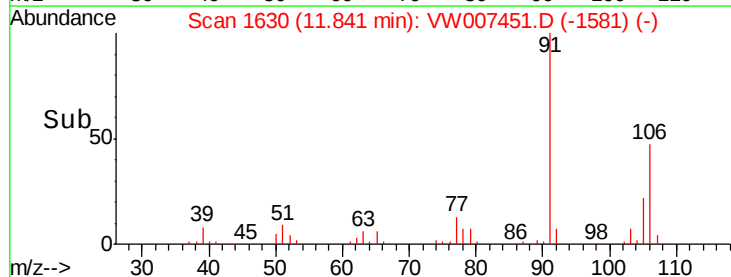
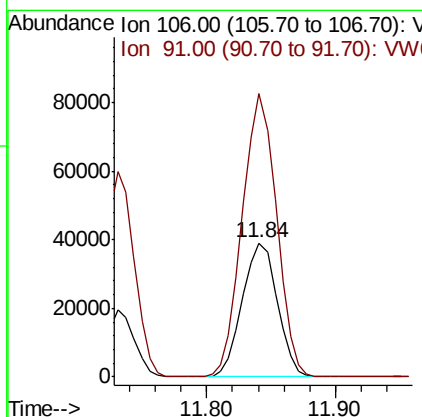
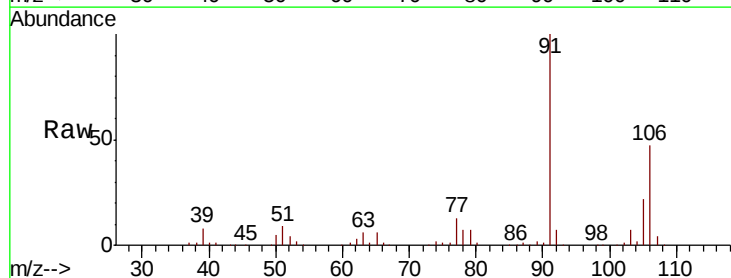
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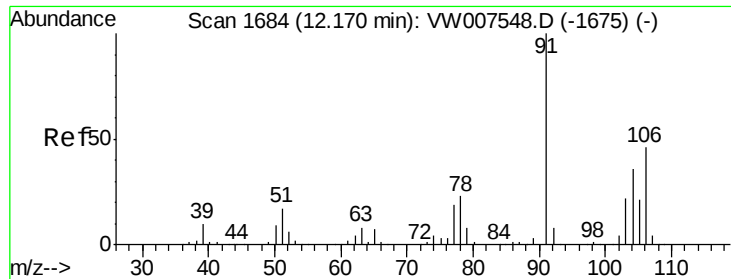
apatel
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#68
m/p-Xylenes
Concen: 41.546 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion: 106 Resp: 73596
Ion Ratio Lower Upper
106 100
91 207.2 165.3 247.9





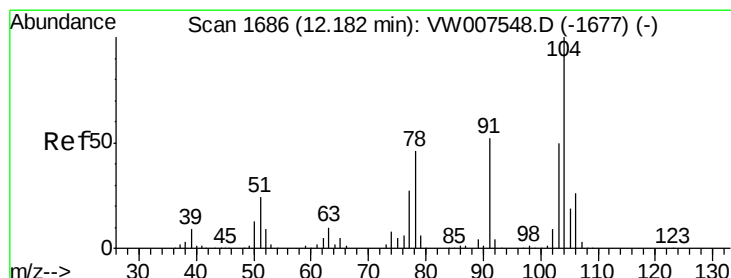
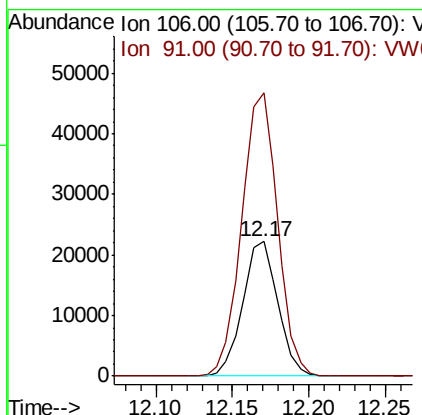
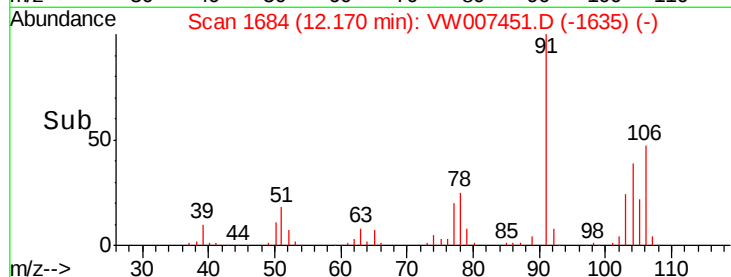
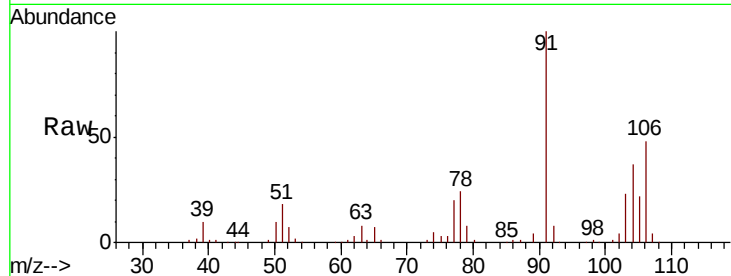
#69
o-Xylene
Concen: 21.461 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion:106 Resp: 35505
Ion Ratio Lower Upper
106 100
91 213.8 106.6 319.8

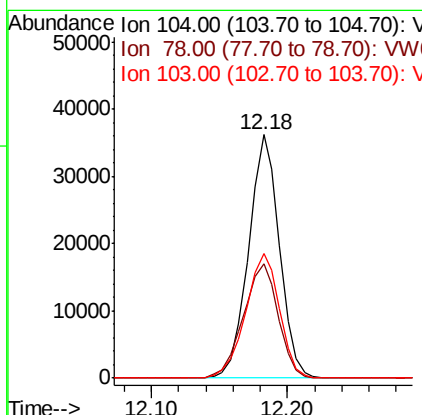
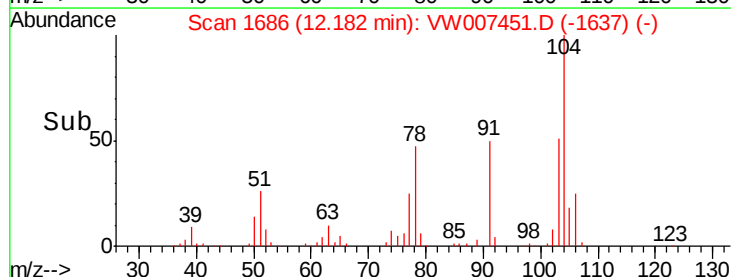
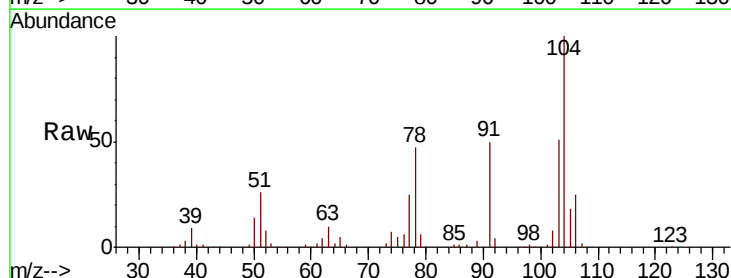
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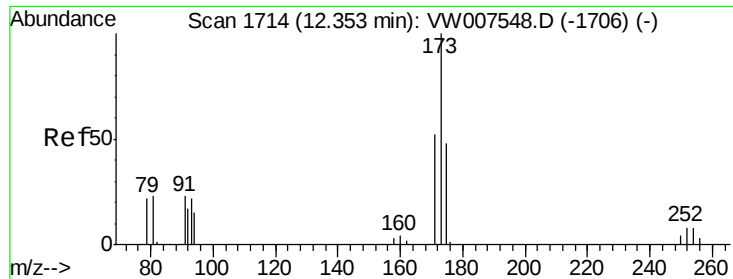
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#70
Styrene
Concen: 21.519 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion:104 Resp: 57503
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 56.1 46.6 69.8





#71

Bromoform

Concen: 20.005 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

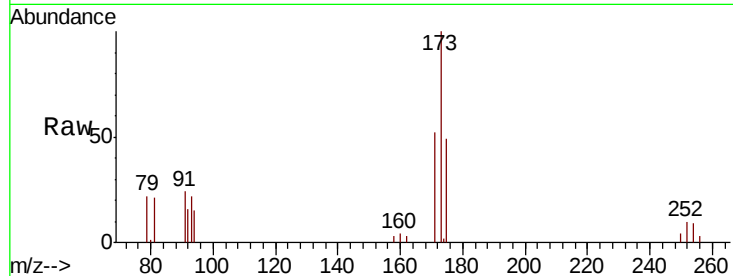
ClientSampleId :

VW1215SBS01

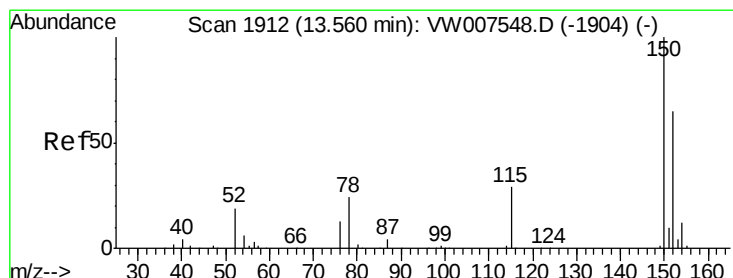
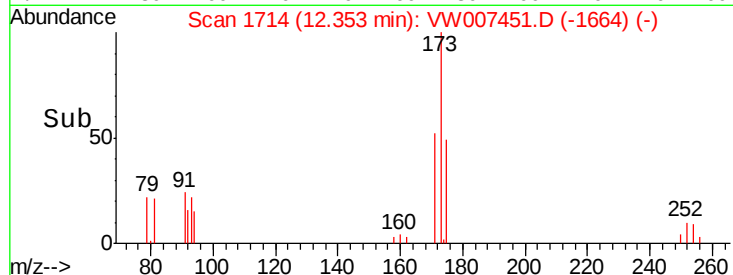
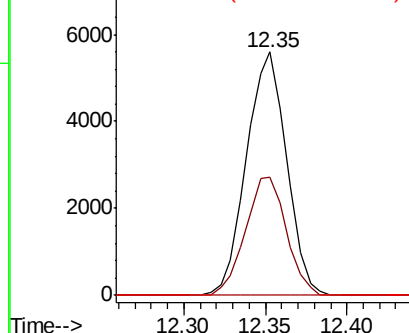
Tot Ion:	173	Resp:	9558
Ion Ratio	Lower	Upper	
173	100		
175	49.5	23.6	70.8
254	0.0	0.0	0.0

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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

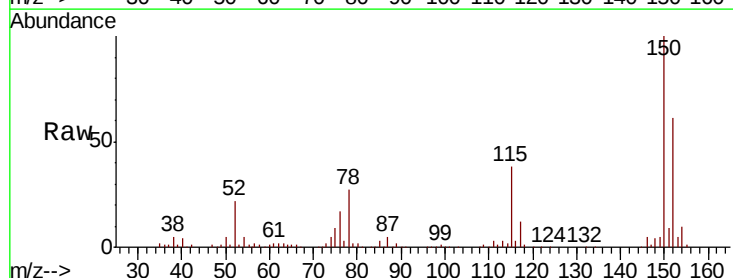
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

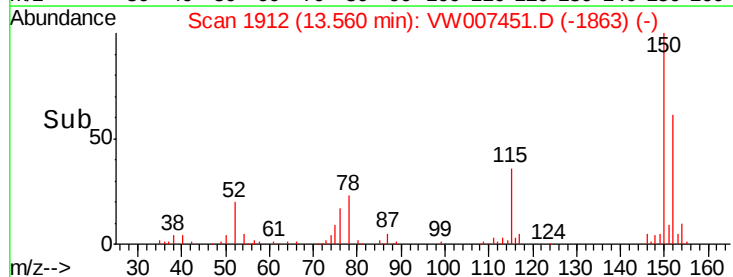
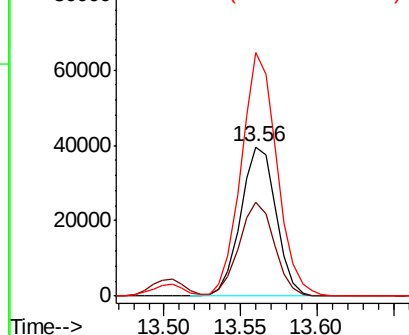
Lab File: VW007451.D

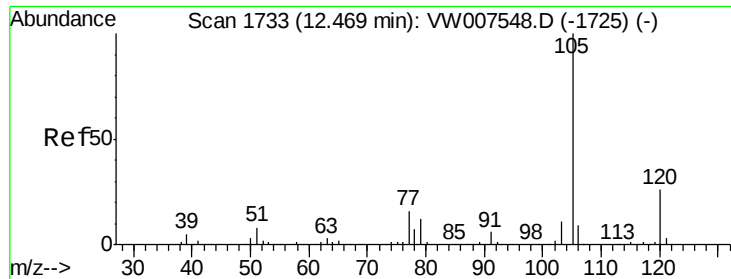
Acq: 12 Dec 2018 21:29

Tgt Ion:	152	Resp:	63452
Ion Ratio	Lower	Upper	
152	100		
115	62.6	31.4	94.2
150	164.9	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: 20.085 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion: 105 Resp: 97652

Ion Ratio Lower Upper

105 100

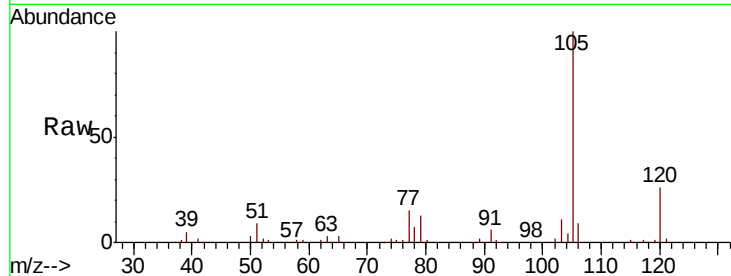
120 26.2 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

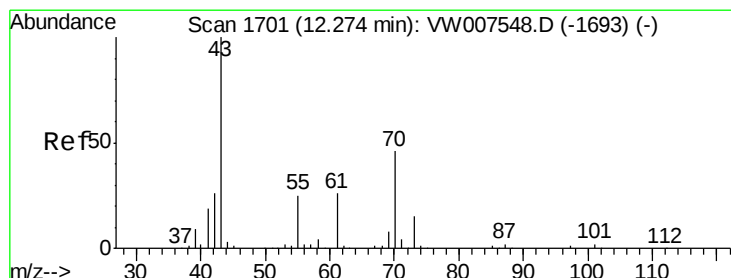
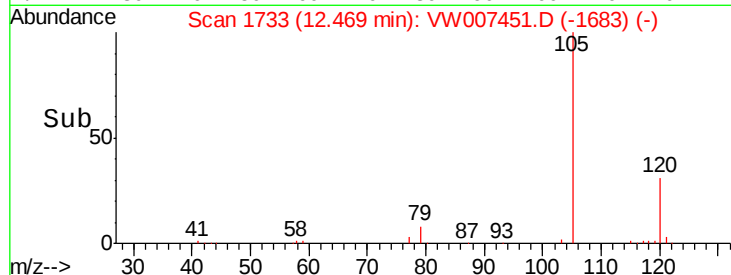
40000

20000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 20.251 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion: 43 Resp: 17894

Ion Ratio Lower Upper

43 100

70 45.4 36.5 54.7

55 25.1 20.1 30.1

61 24.1 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

15000

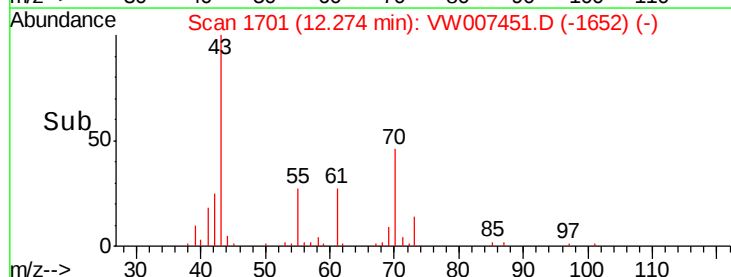
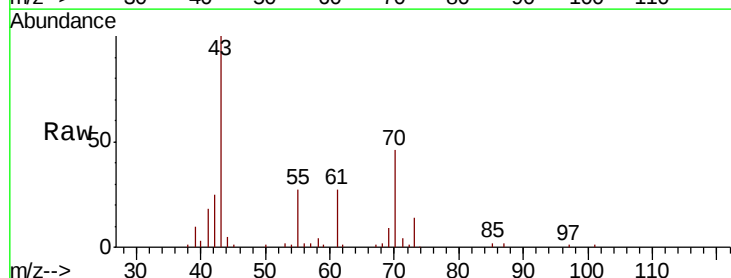
10000

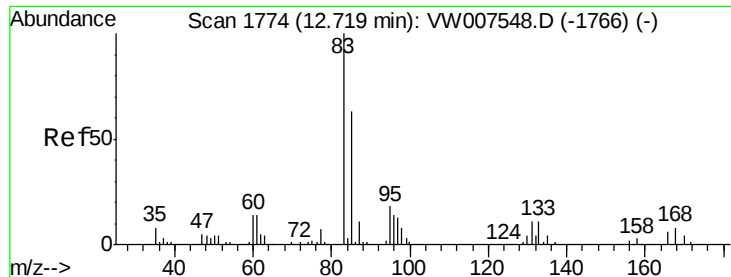
5000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.126 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

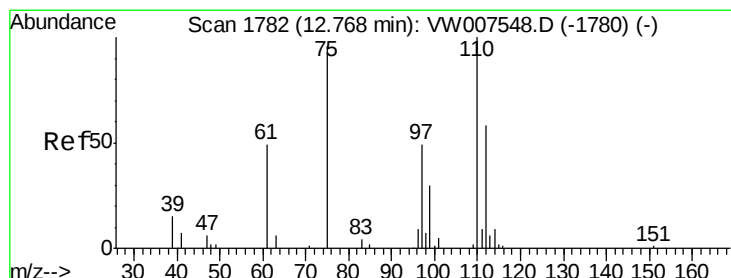
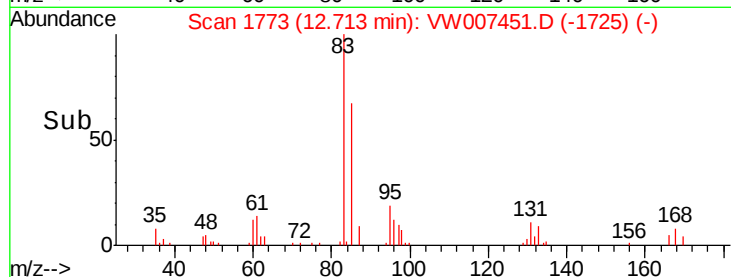
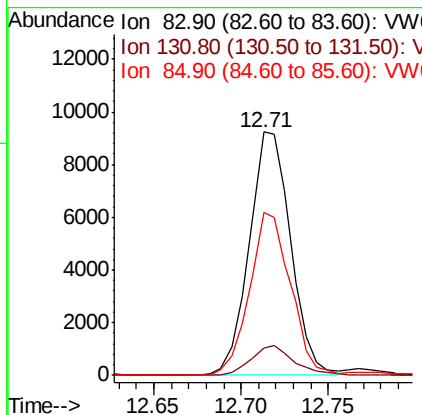
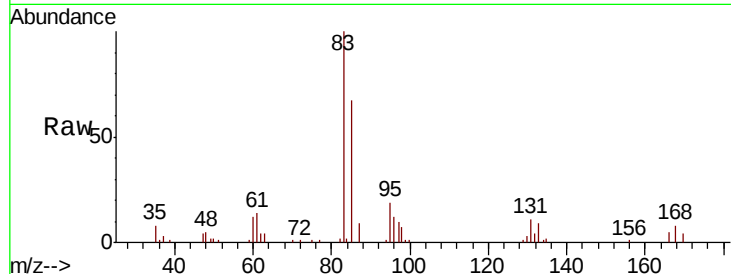
ClientSampleId :

VW1215SBS01

Tot Ion:	83	Resp:	15213
Ion	Ratio	Lower	Upper
83	100		
131	12.7	5.9	17.8
85	66.2	30.0	90.0

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#76

1,2,3-Trichloropropane

Concen: 22.052 ug/l m

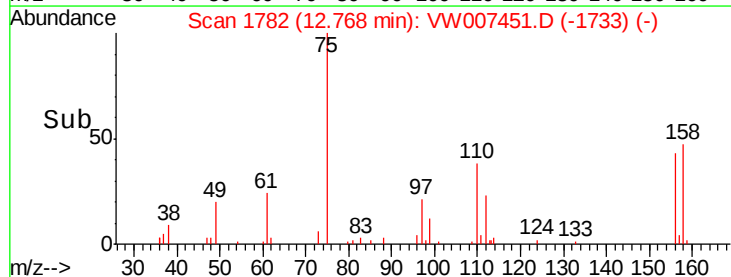
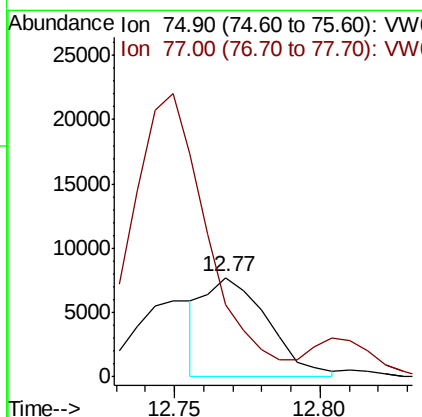
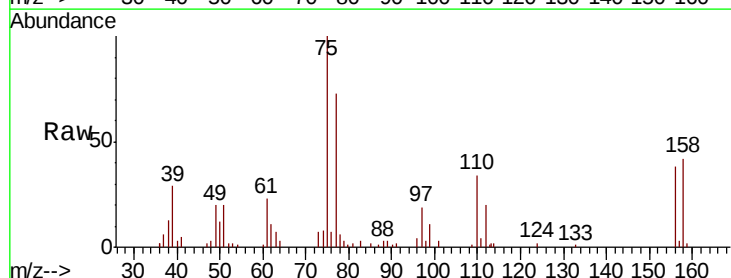
RT: 12.77 min Scan# 1782

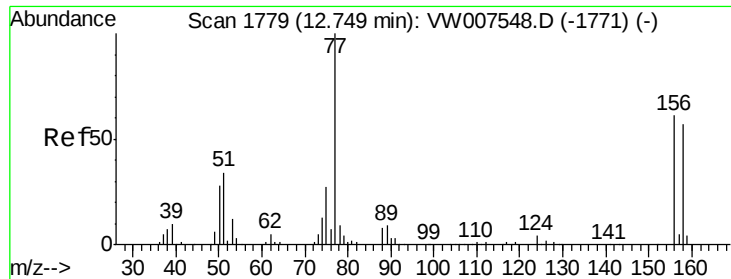
Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Tgt Ion:	75	Resp:	11537
Ion	Ratio	Lower	Upper
75	100		
77	349.4	166.9	500.8





#77

Bromobenzene

Concen: 20.474 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007451.D

Acq: 12 Dec 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

VW1215SBS01

Tot Ion:156 Resp: 22065

Ion Ratio Lower Upper

156 100

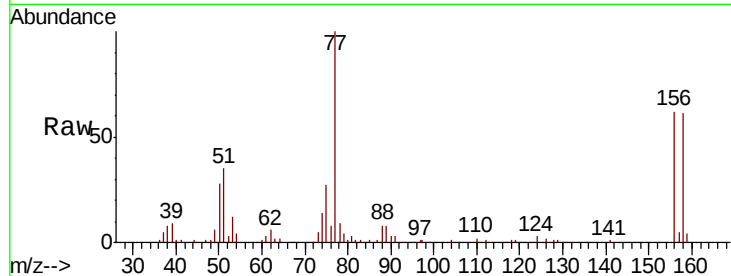
77 182.7 88.1 264.4

158 97.8 45.6 136.7

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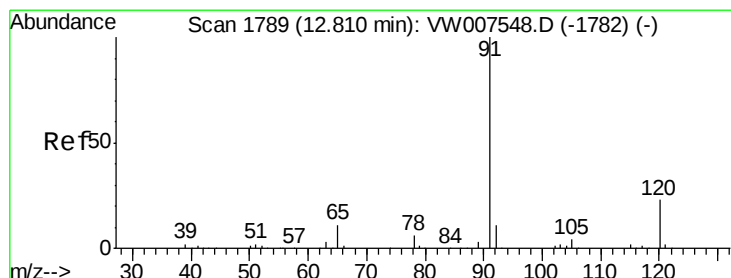
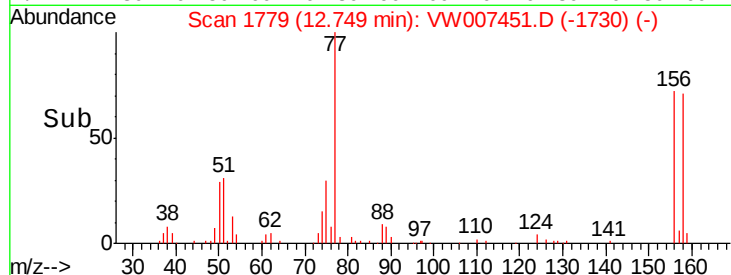
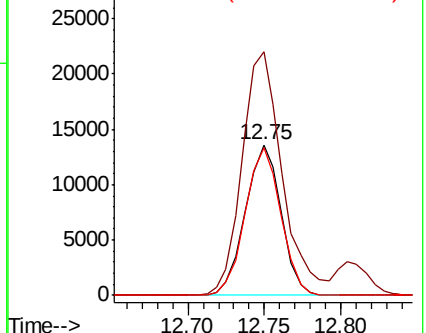
12/18/2018 10:55:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.917 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007451.D

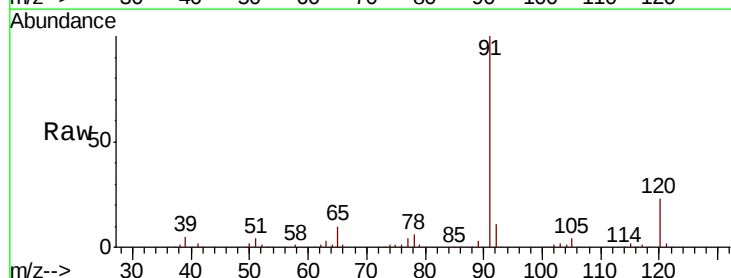
Acq: 12 Dec 2018 21:29

Tgt Ion: 91 Resp: 114448

Ion Ratio Lower Upper

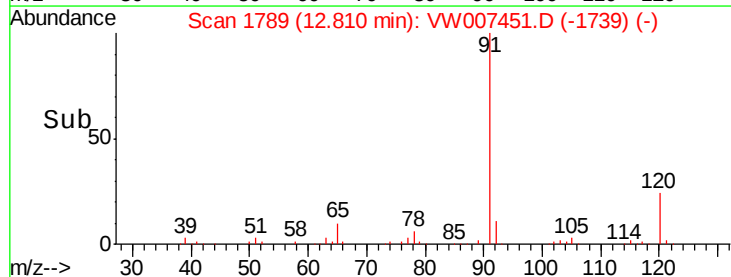
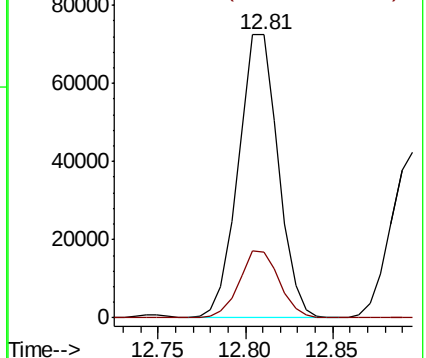
91 100

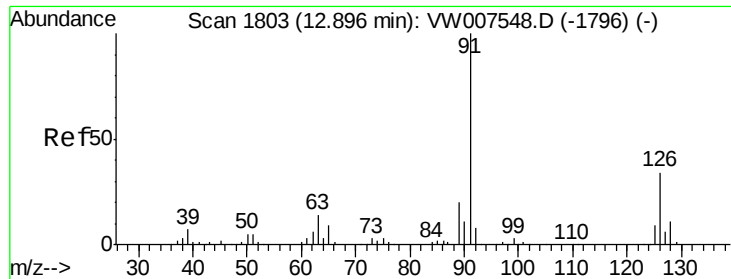
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





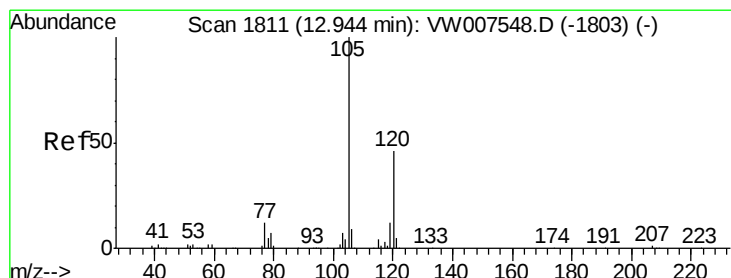
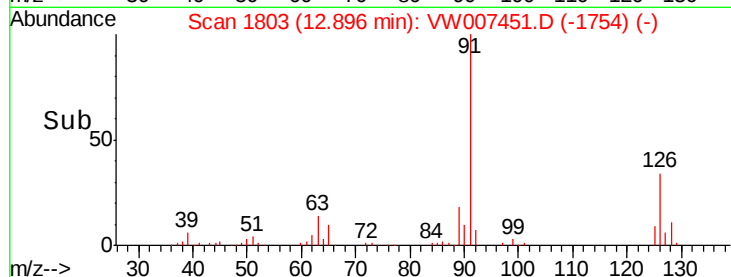
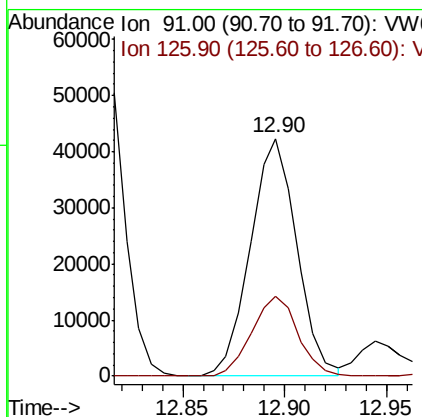
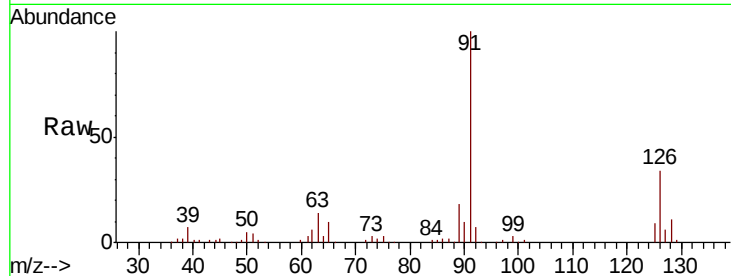
#79
 2-Chlorotoluene
 Concen: 20.210 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion: 91 Resp: 66912
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.9 47.6

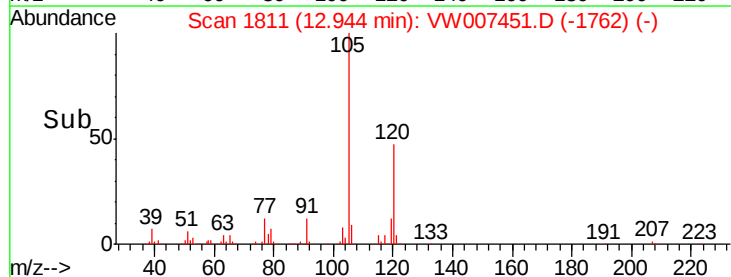
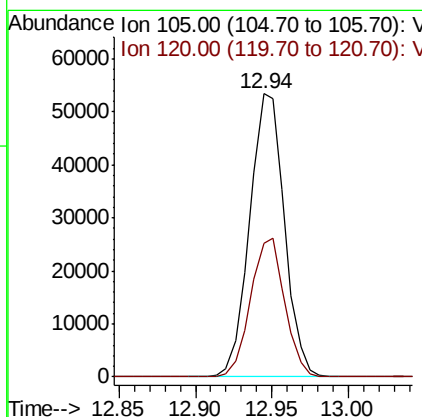
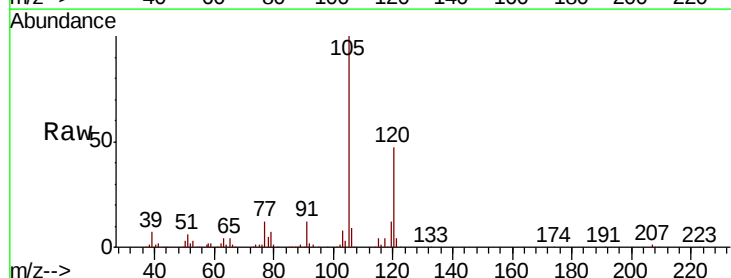
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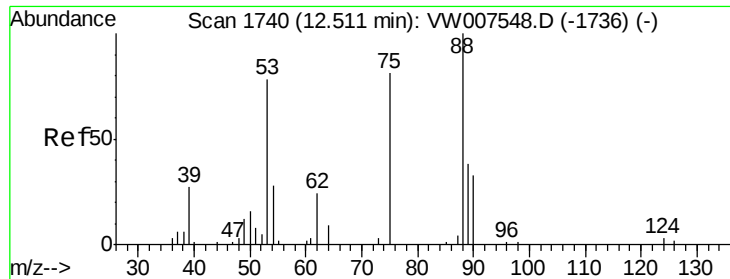
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.658 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion: 105 Resp: 84391
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.4





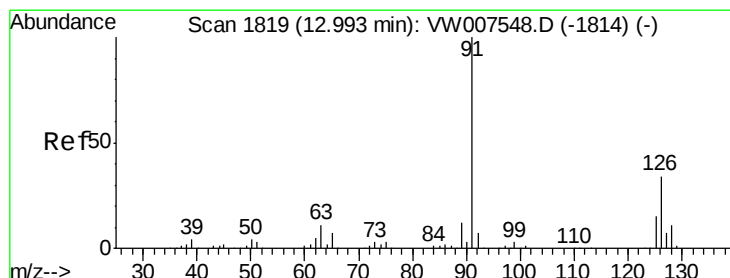
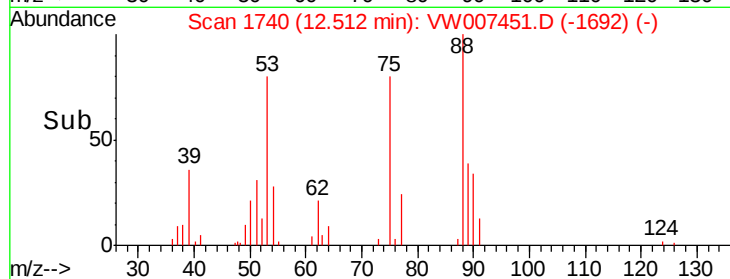
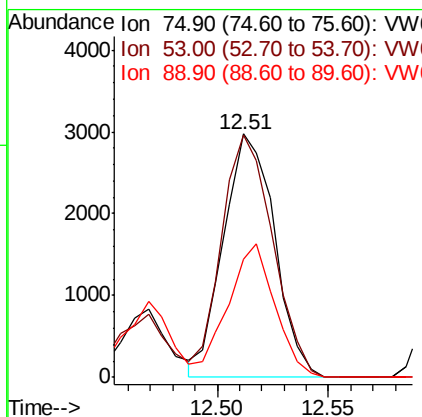
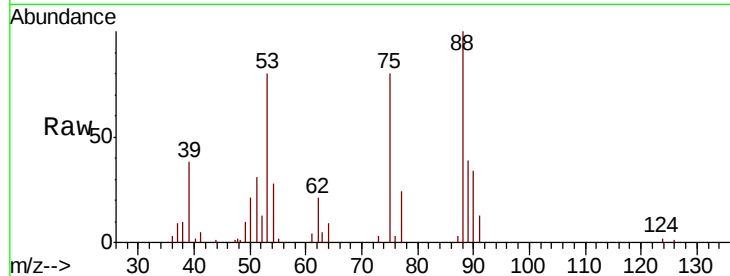
#81
trans-1,4-Dichloro-2-butene
Concen: 20.018 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	84.9	127.3
89	50.9	40.3	60.5

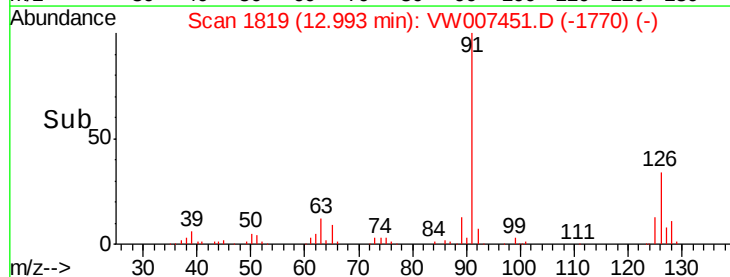
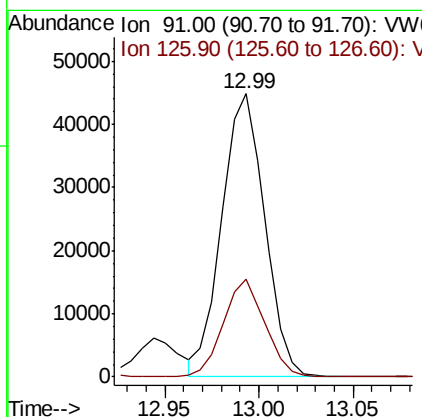
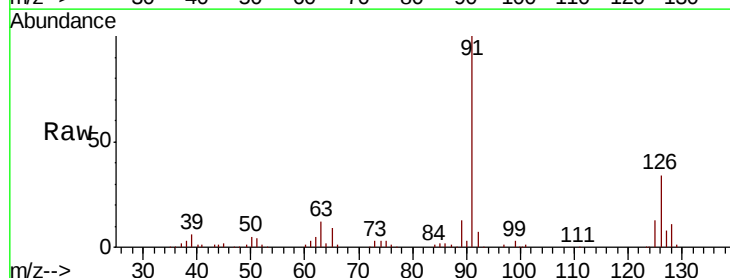
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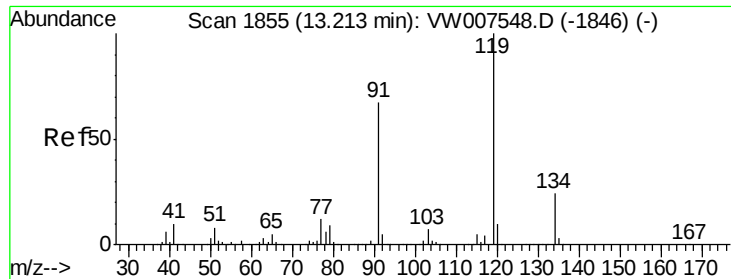
apatel
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#82
4-Chlorotoluene
Concen: 20.311 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.0	48.0





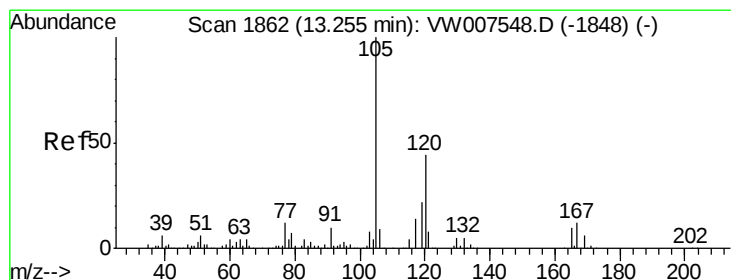
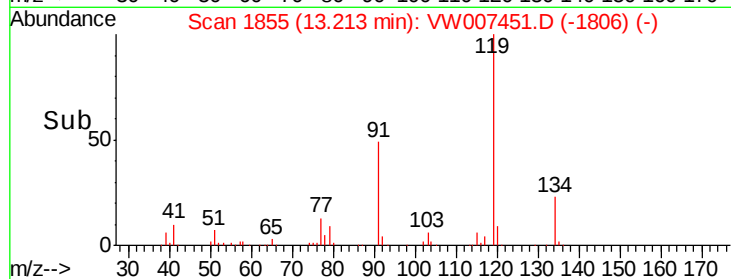
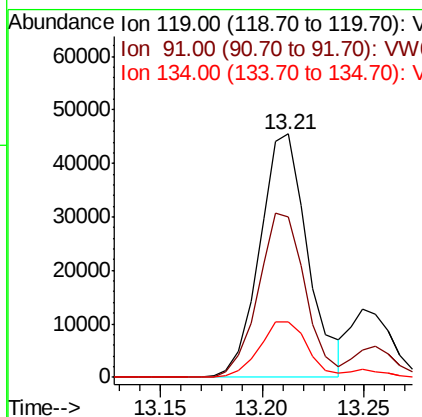
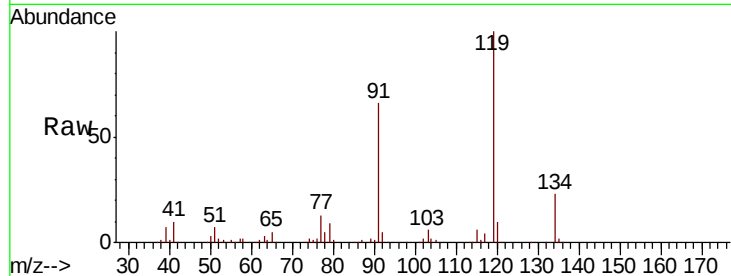
#83
tert-Butylbenzene
Concen: 20.714 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	33.1	99.2
134	23.1	12.5	37.5

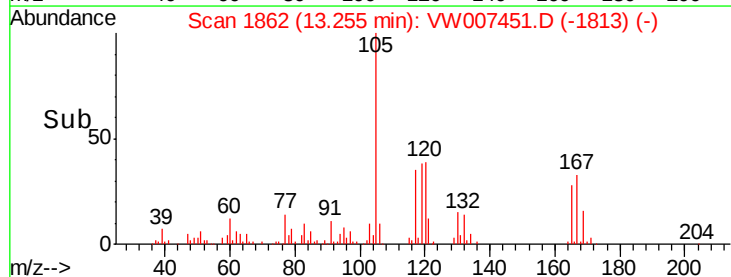
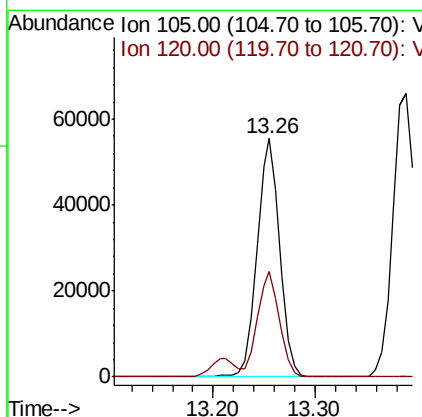
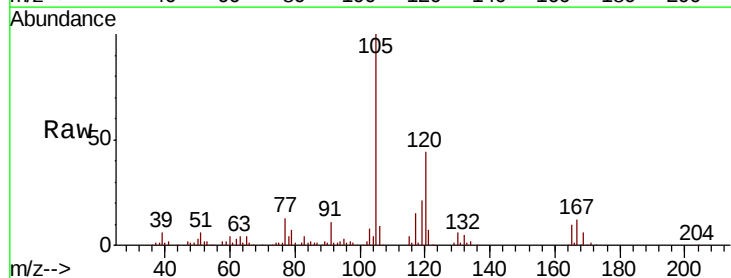
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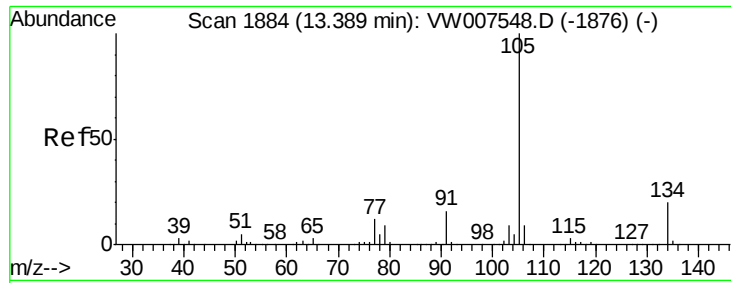
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 20.434 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.6	67.7





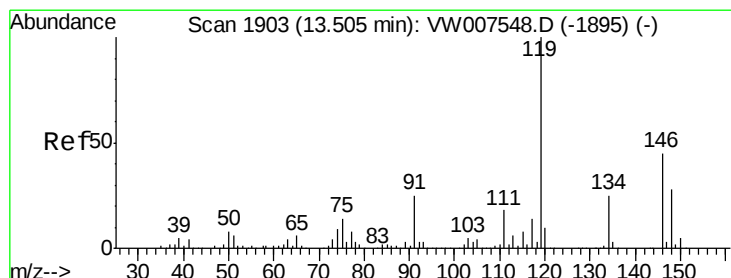
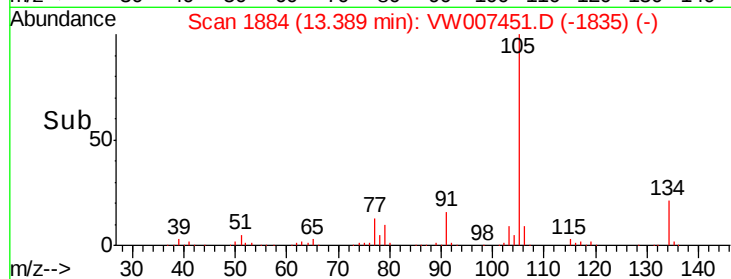
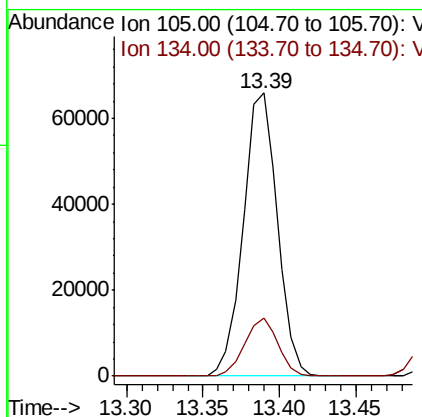
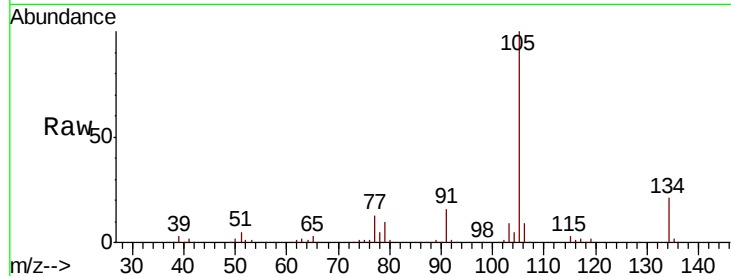
#85
 sec-Butylbenzene
 Concen: 20.738 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	11.1	33.3

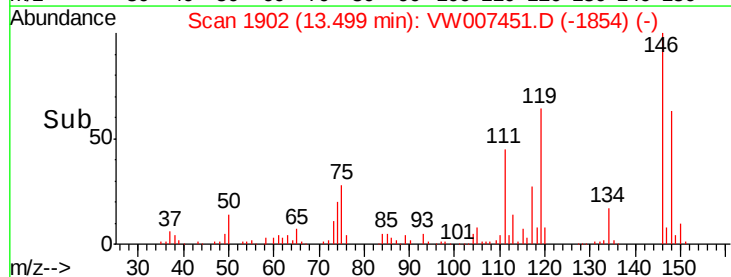
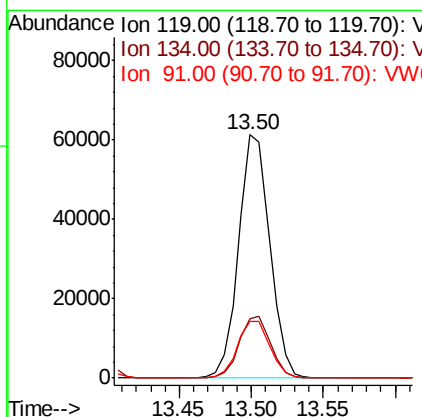
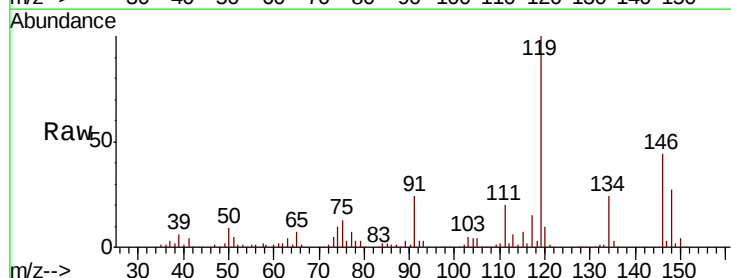
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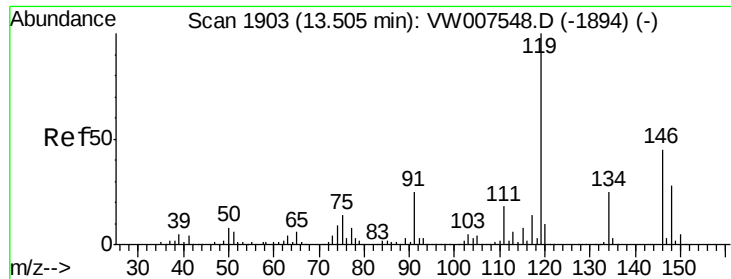
apatel
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#86
 p-Isopropyltoluene
 Concen: 20.904 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	24.6	11.9	35.9





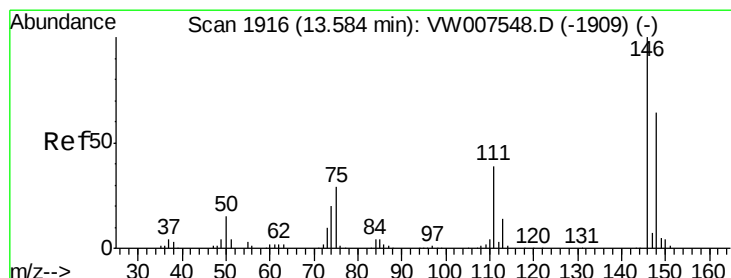
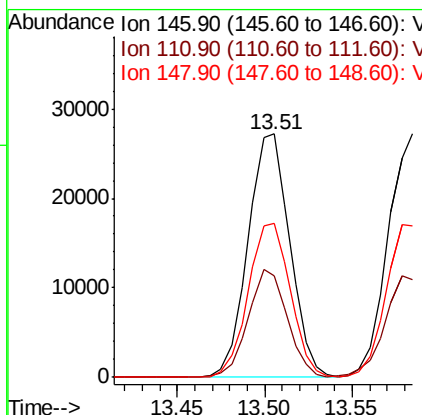
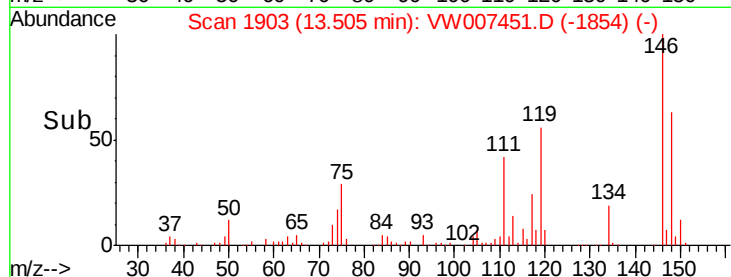
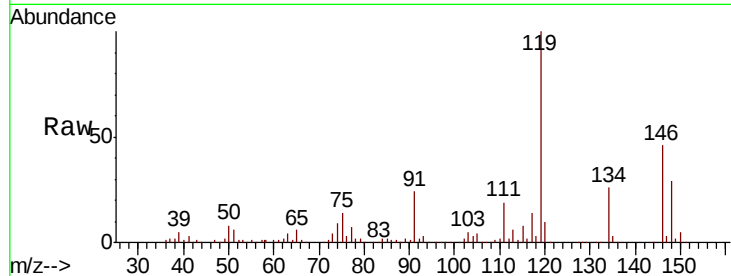
#87
 1,3-Dichlorobenzene
 Concen: 21.008 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.1	60.3
148	64.0	31.4	94.0

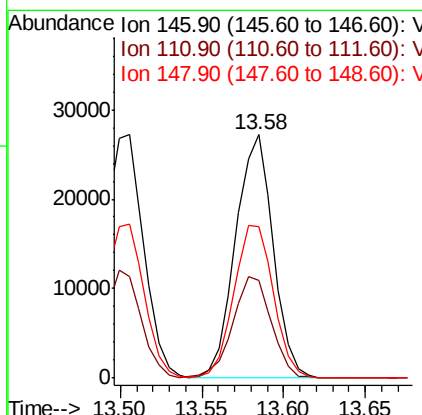
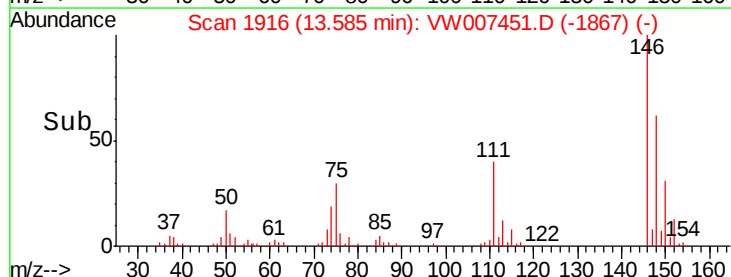
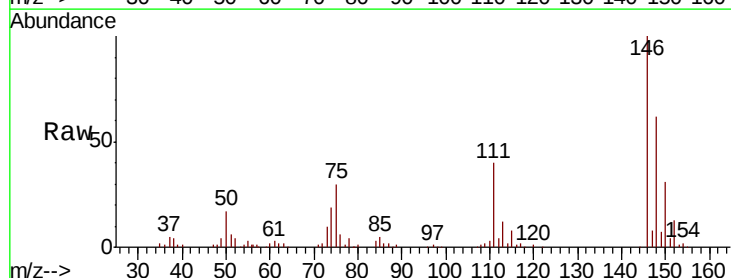
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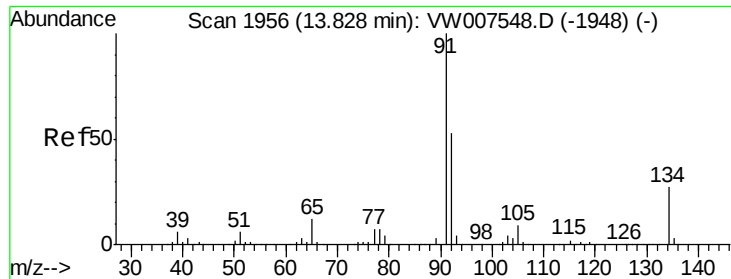
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#88
 1,4-Dichlorobenzene
 Concen: 20.156 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.3	61.0
148	66.2	33.5	100.5





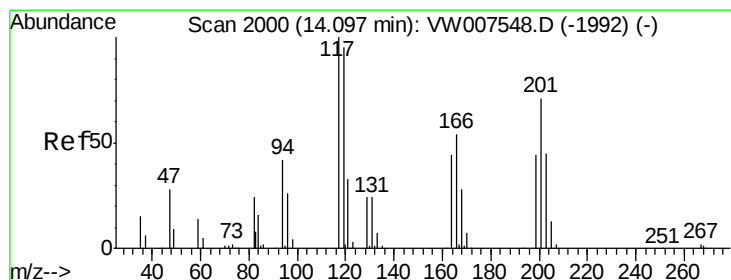
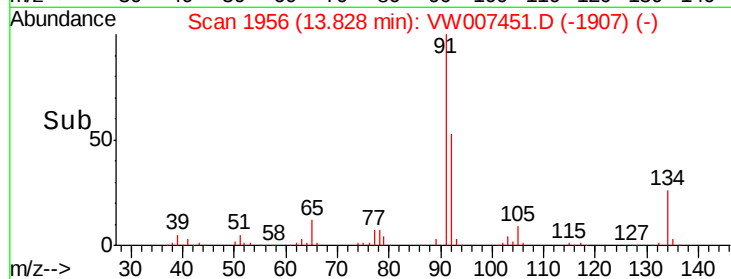
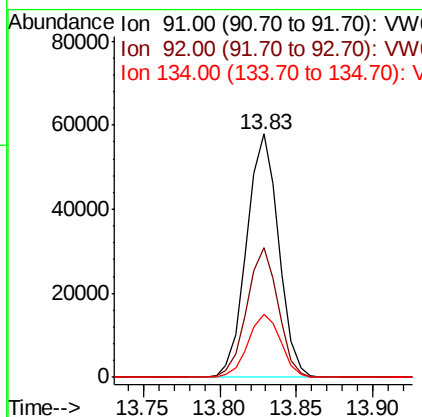
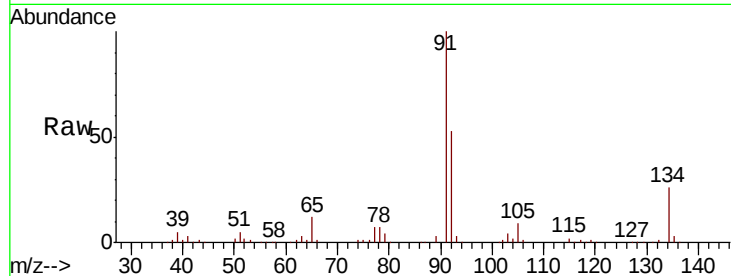
#89
n-Butylbenzene
Concen: 20.558 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.7	77.1
134	26.8	13.4	40.2

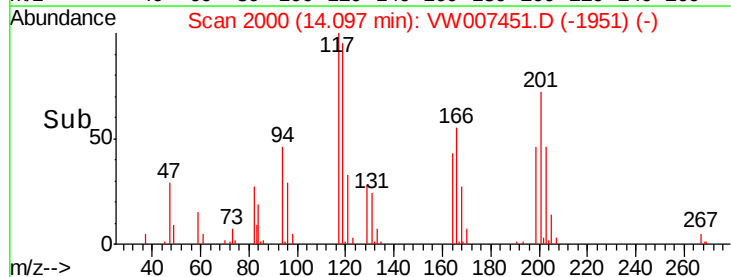
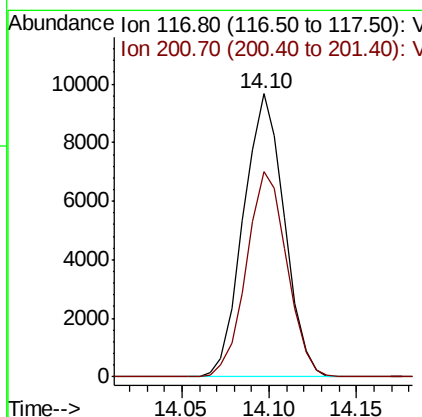
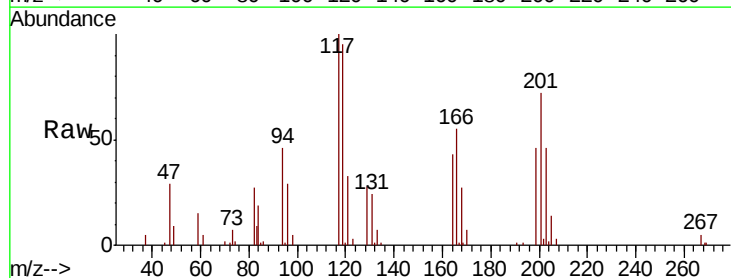
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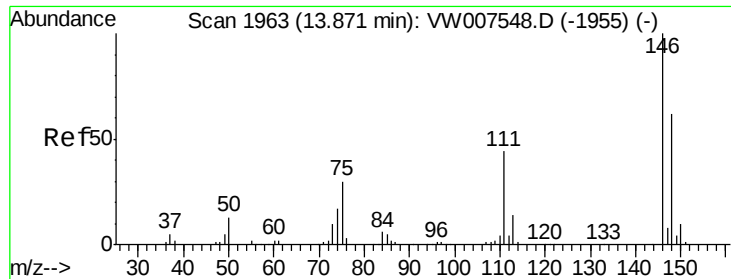
apatel
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#90
Hexachloroethane
Concen: 20.114 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	35.3	105.9





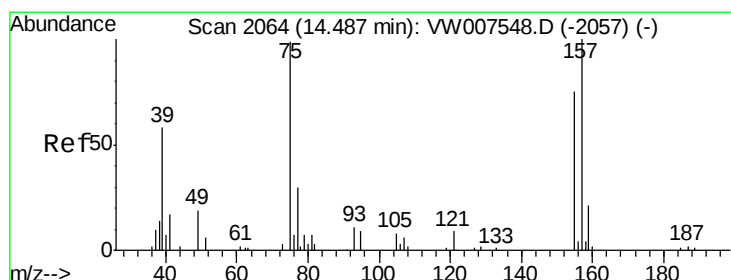
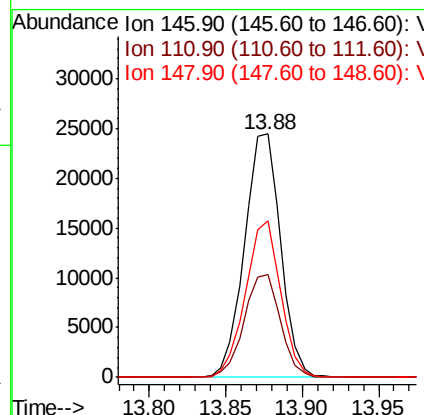
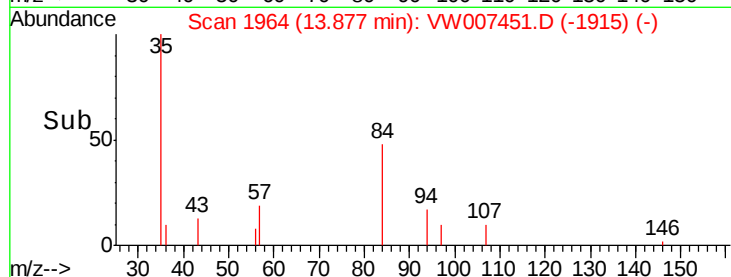
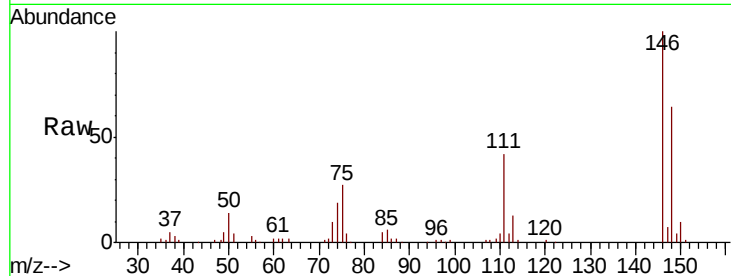
#91
 1,2-Dichlorobenzene
 Concen: 20.873 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1215SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.4	67.2
148	62.8	32.4	97.2

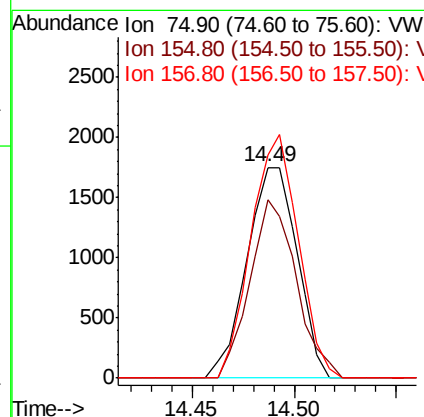
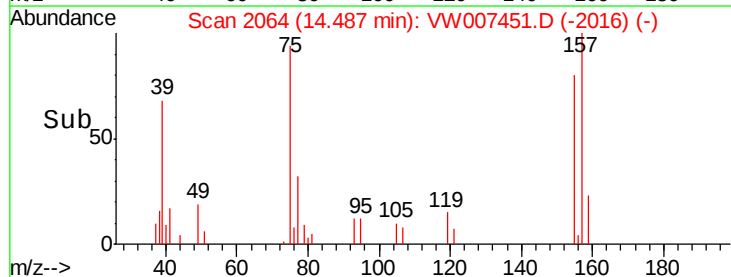
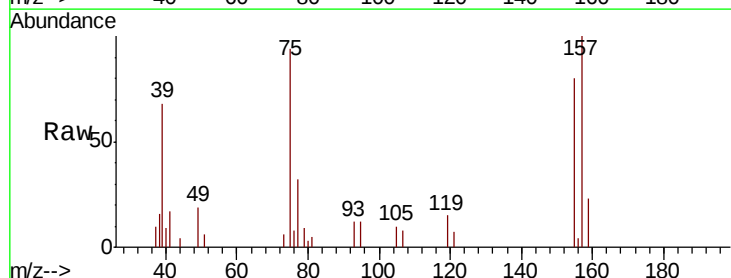
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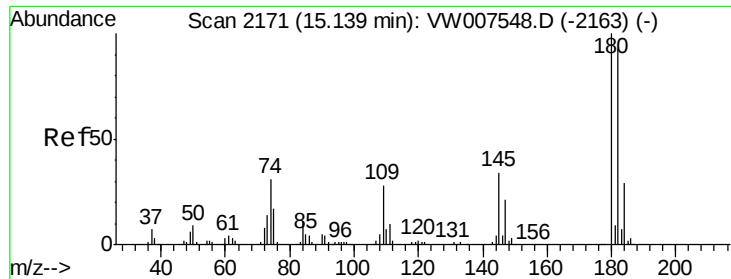
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.760 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007451.D
 Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	40.8	122.2
157	108.6	51.1	153.4





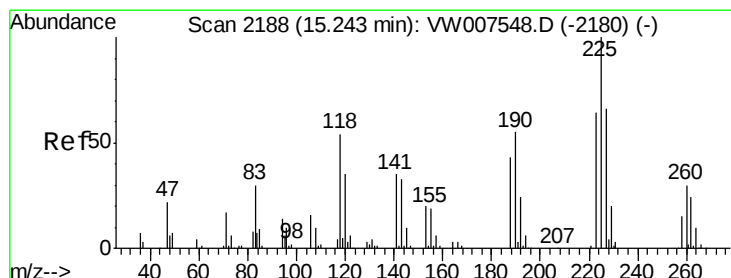
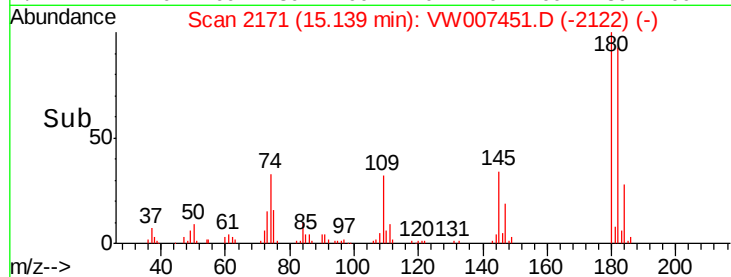
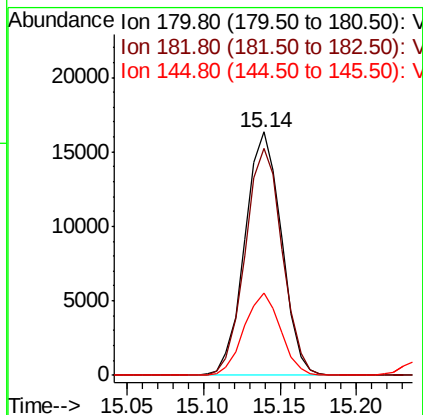
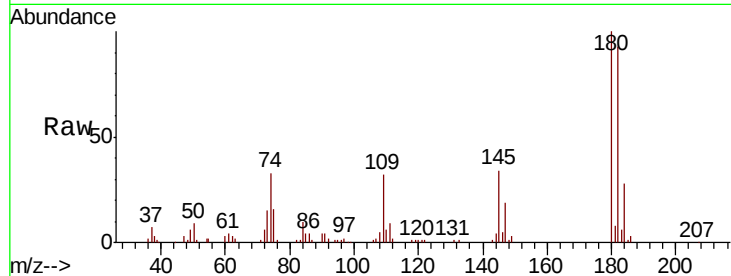
#93
1,2,4-Trichlorobenzene
Concen: 20.530 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27191		
182	94.2	49.9	149.6	
145	33.8	17.8	53.4	

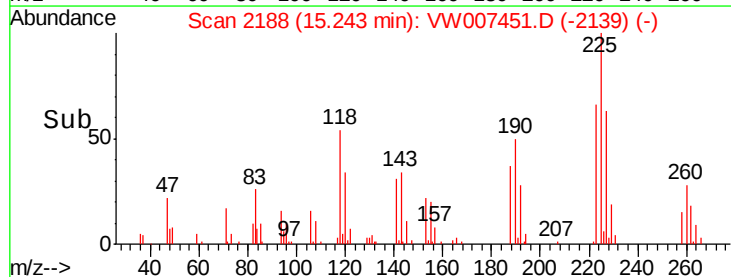
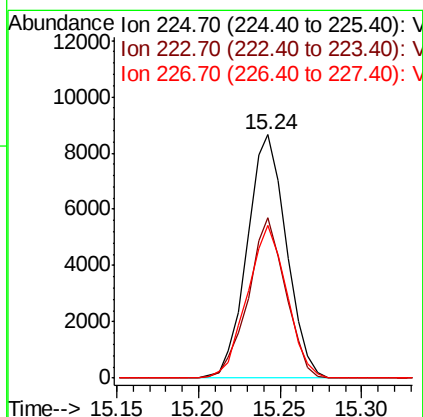
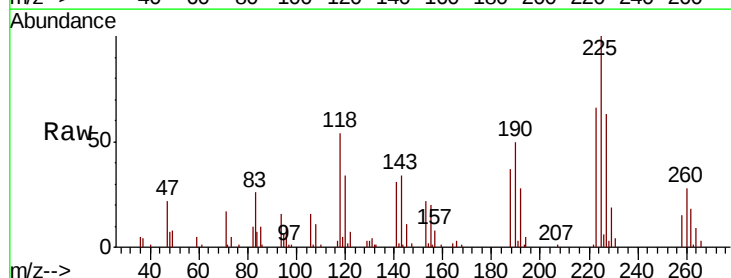
Manual Integrations
APPROVED

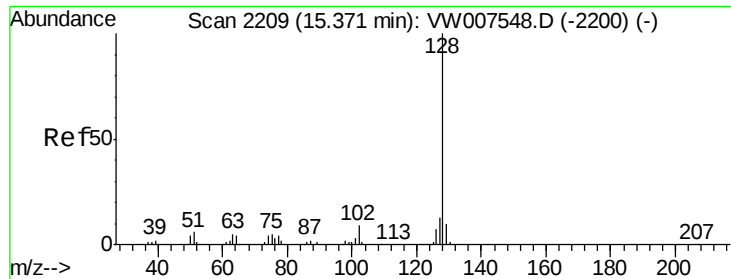
apatel
12/18/2018 10:55:49 AM



#94
Hexachlorobutadiene
Concen: 20.641 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14505		
223	62.9	32.1	96.3	
227	63.0	31.9	95.9	





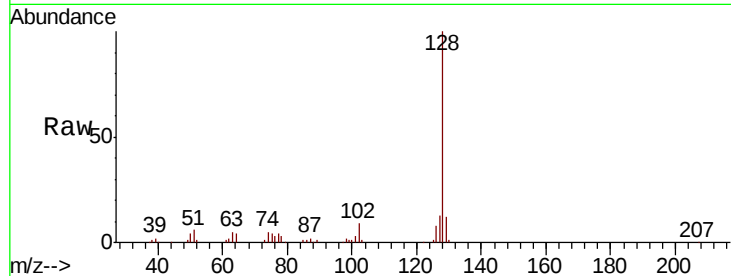
#95
Naphthalene
Concen: 20.434 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Instrument :
MSVOA_W
ClientSampleId :
VW1215SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.6	8.3	12.5

Manual Integrations
APPROVED

apatel
12/18/2018 10:55:49 AM

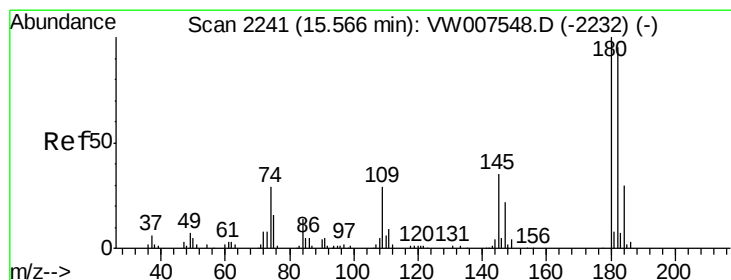
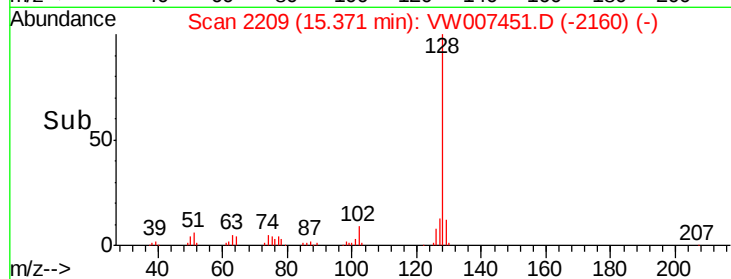
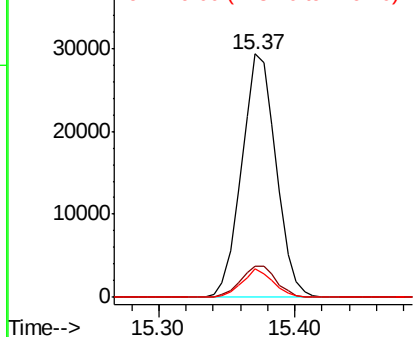


Abundance

Ion 128.00 (127.70 to 128.70): V

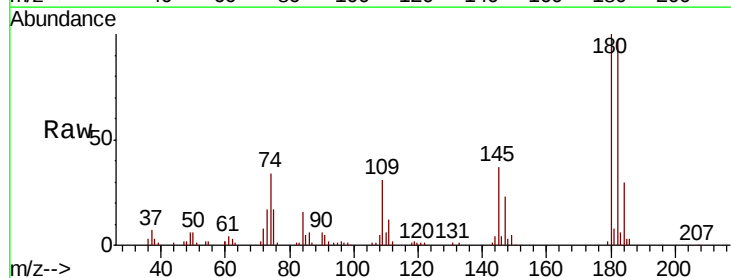
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.450 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007451.D
Acq: 12 Dec 2018 21:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	45.6	136.7
145	35.8	17.5	52.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

