

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003922.D
 Acq On : 13 Jul 2018 18:28
 Operator : VA/AP
 Sample : VW0713SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Manual Integrations
 APPROVED

apatel
 7/16/2018 10:43:40 AM

Quant Time: Jul 14 00:19:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178011	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141953	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
35) Dibromofluoromethane	7.88	113	126603	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.33	98	498015	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.62	95	177882	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20067	17.52	ug/l	97
3) Chloromethane	2.20	50	42144	19.38	ug/l	95
4) Vinyl Chloride	2.36	62	58012	20.23	ug/l	99
5) Bromomethane	2.78	94	35749	17.66	ug/l	97
6) Chloroethane	2.92	64	34818	20.25	ug/l	97
7) Trichlorofluoromethane	3.25	101	29512	25.48	ug/l	97
8) Diethyl Ether	3.67	74	20125	16.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52109	23.13	ug/l	98
10) Methyl Iodide	4.26	142	74170	22.12	ug/l	99
11) Tert butyl alcohol	5.23	59	14600	87.49	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	50891	23.01	ug/l	98
13) Acrolein	3.90	56	16810	67.31	ug/l	98
14) Allyl chloride	4.65	41	87986	22.88	ug/l	98
15) Acrylonitrile	5.37	53	56593	95.19	ug/l	99
16) Acetone	4.14	43	56685	106.10	ug/l	95
17) Carbon Disulfide	4.37	76	160899	22.19	ug/l	99
18) Methyl Acetate	4.67	43	28009	18.60	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	91259	19.97	ug/l	99
20) Methylene Chloride	4.90	84	75740	27.08	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	56140	21.44	ug/l	95
22) Diisopropyl ether	6.31	45	175008	20.70	ug/l	97
23) Vinyl Acetate	6.26	43	506034	98.05	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106127	20.75	ug/l	99
25) 2-Butanone	7.18	43	77596	92.73	ug/l	97
26) 2,2-Dichloropropane	7.17	77	65236	23.52	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58634	20.25	ug/l	97
28) Bromochloromethane	7.51	49	44509	19.54	ug/l	100
29) Tetrahydrofuran	7.54	42	47983	89.20	ug/l	97
30) Chloroform	7.68	83	105222	20.17	ug/l	98
31) Cyclohexane	7.95	56	97462	21.69	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	85231	21.47	ug/l	100
36) 1,1-Dichloropropene	8.08	75	86093	21.98	ug/l	99
37) Ethyl Acetate	7.26	43	35903	18.84	ug/l	99
38) Carbon Tetrachloride	8.07	117	80044	21.49	ug/l	99

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apatel
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94541	22.03	ug/l	98
40) Benzene	8.32	78	236338	21.10	ug/l	99
41) Methacrylonitrile	7.49	41	21155	19.29	ug/l	94
42) 1,2-Dichloroethane	8.40	62	71702	19.78	ug/l	99
43) Isopropyl Acetate	8.43	43	65647	18.17	ug/l	98
44) Trichloroethene	9.09	130	59685	21.14	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60069	20.63	ug/l	98
46) Dibromomethane	9.46	93	30294	19.78	ug/l	98
47) Bromodichloromethane	9.65	83	75541	20.05	ug/l	96
48) Methyl methacrylate	9.44	41	32214	18.72	ug/l	96
49) 1,4-Dioxane	9.49	88	8097	353.82	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	172566	92.31	ug/l	99
52) Toluene	10.39	92	150124	21.62	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	76067	20.22	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	87754	20.67	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42178	19.83	ug/l	92
56) Ethyl methacrylate	10.65	69	49334	19.01	ug/l	96
57) 1,3-Dichloropropane	10.93	76	74174	20.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	107019	87.37	ug/l	100
59) 2-Hexanone	10.98	43	119461	93.06	ug/l	98
60) Dibromochloromethane	11.13	129	47101	18.97	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38563	18.96	ug/l	99
64) Tetrachloroethene	10.87	164	50612	20.25	ug/l	97
65) Chlorobenzene	11.66	112	159170	21.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	53748	20.65	ug/l	100
67) Ethyl Benzene	11.74	91	278480	21.86	ug/l	99
68) m/p-Xylenes	11.84	106	215710	44.23	ug/l	99
69) o-Xylene	12.17	106	99087	22.02	ug/l	98
70) Styrene	12.18	104	165049	21.57	ug/l	100
71) Bromoform	12.35	173	27671	19.26	ug/l #	99
73) Isopropylbenzene	12.47	105	275973	22.89	ug/l	99
74) N-amyl acetate	12.28	43	61069	18.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	48327	19.77	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32501m	18.59	ug/l	
77) Bromobenzene	12.75	156	64286	21.48	ug/l	99
78) n-propylbenzene	12.81	91	347468	22.96	ug/l	100
79) 2-Chlorotoluene	12.90	91	195449	22.48	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	237305	22.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14132	19.78	ug/l	96
82) 4-Chlorotoluene	12.99	91	206578	22.10	ug/l	99
83) tert-Butylbenzene	13.21	119	197115	23.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244044	22.61	ug/l	99
85) sec-Butylbenzene	13.39	105	291955	22.78	ug/l	100
86) p-Isopropyltoluene	13.51	119	259117	23.13	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	132115	21.79	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	130440	21.39	ug/l	99
89) n-Butylbenzene	13.83	91	249663	22.66	ug/l	99
90) Hexachloroethane	14.10	117	46353	21.48	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	115089	21.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7672	18.14	ug/l	98

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	78574	21.27	ug/l	98
94) Hexachlorobutadiene	15.24	225	47339	22.40	ug/l	97
95) Naphthalene	15.38	128	130393	19.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68682	20.76	ug/l	99

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

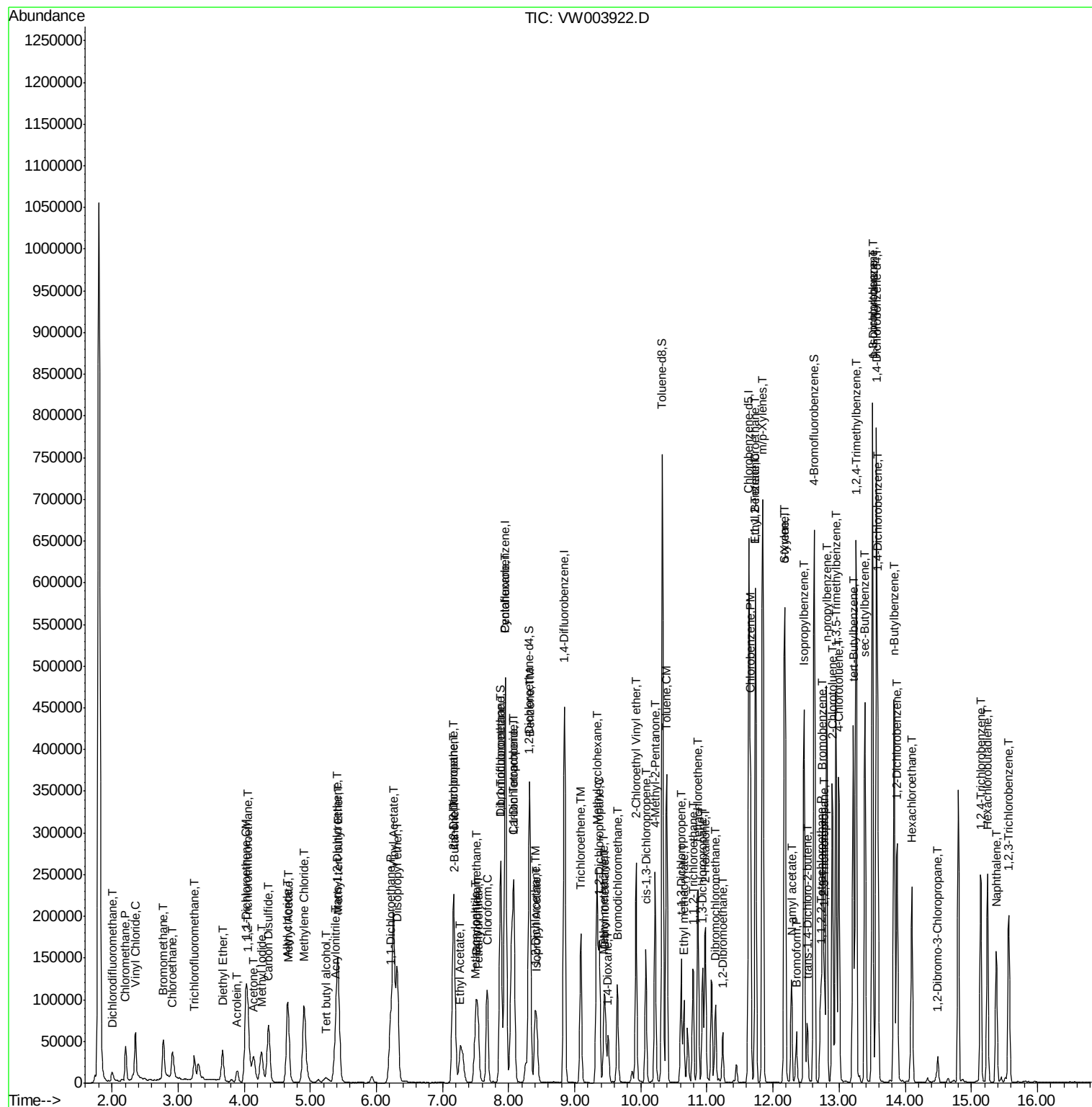
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003922.D
 Acq On : 13 Jul 2018 18:28
 Operator : VA/AP
 Sample : VW0713SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

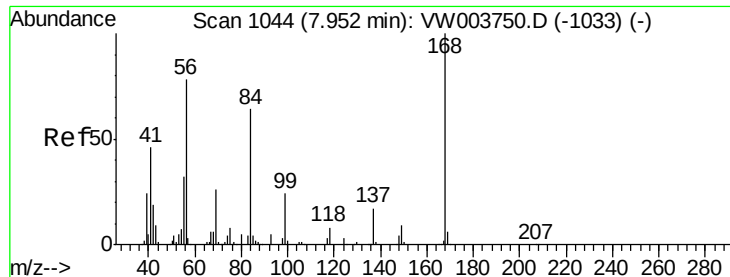
Instrument :
 MSVOA_W
 Client Sampled :
 VW0713SBS01

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion:168 Resp: 235473

Ion Ratio Lower Upper

168 100

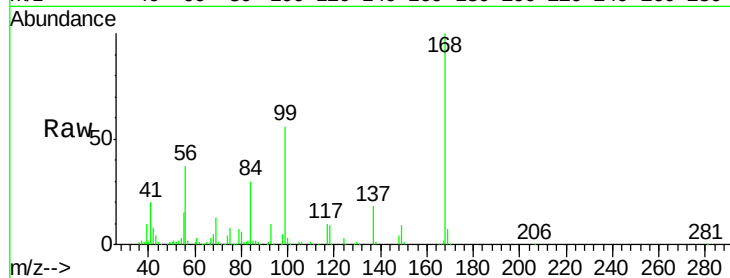
99 55.5 45.0 67.6

Manual Integrations

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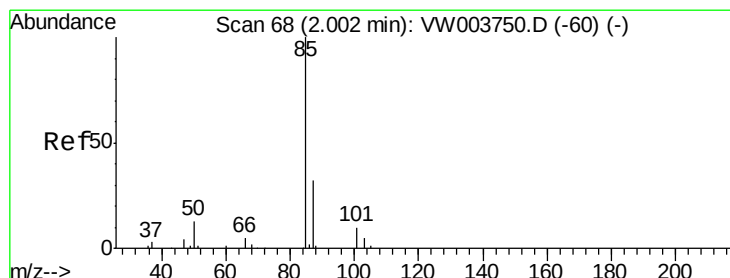
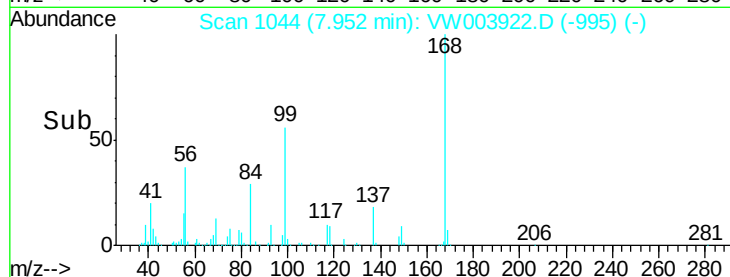
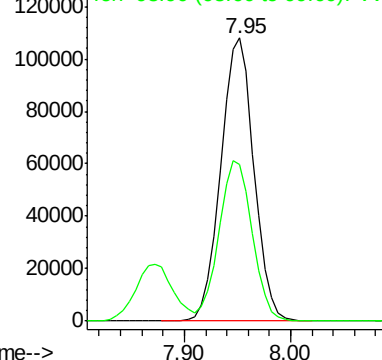
apatel

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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: 17.52 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003922.D

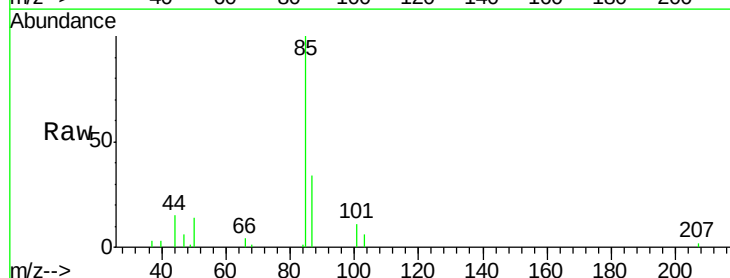
Acq: 13 Jul 2018 18:28

Tgt Ion: 85 Resp: 20067

Ion Ratio Lower Upper

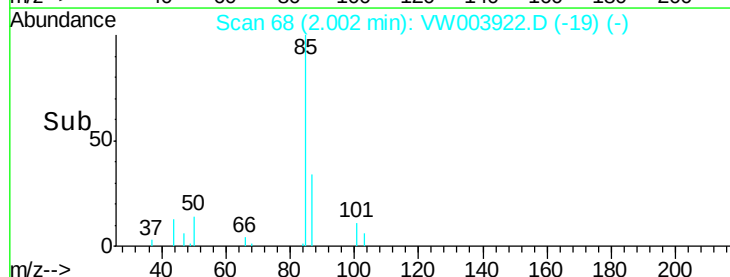
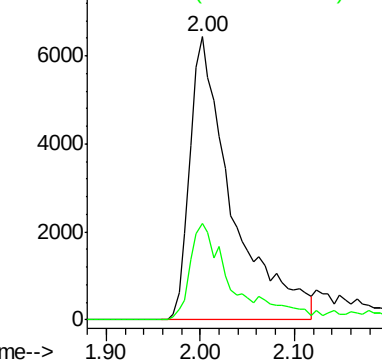
85 100

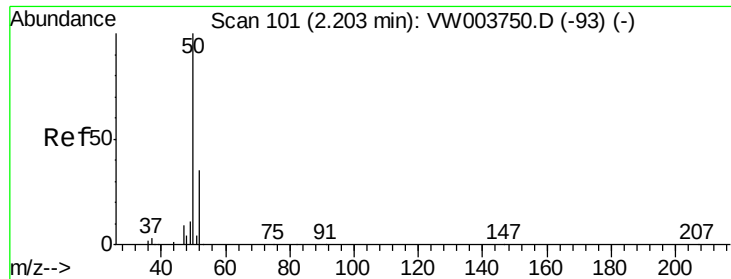
87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.38 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 50 Resp: 42144

Ion Ratio Lower Upper

50 100

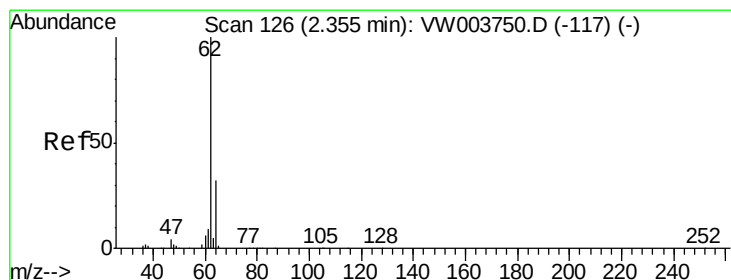
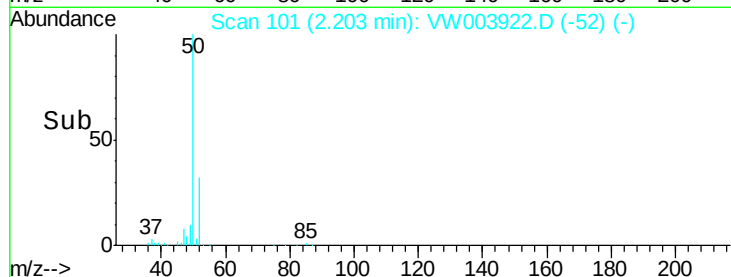
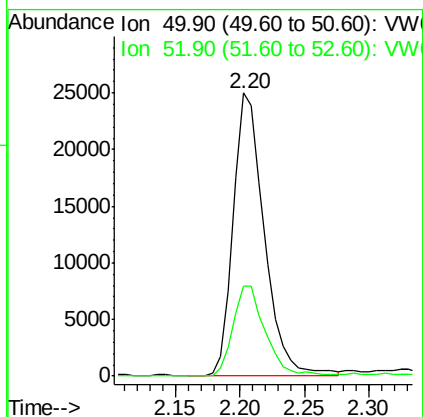
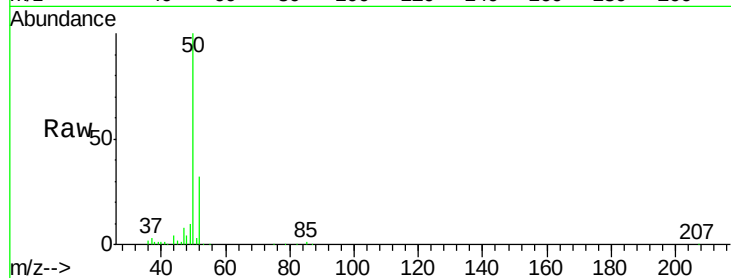
52 31.9 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.23 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003922.D

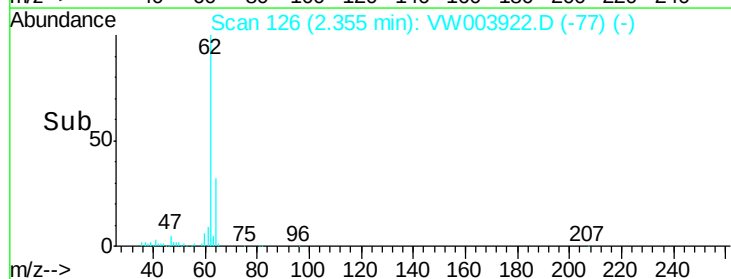
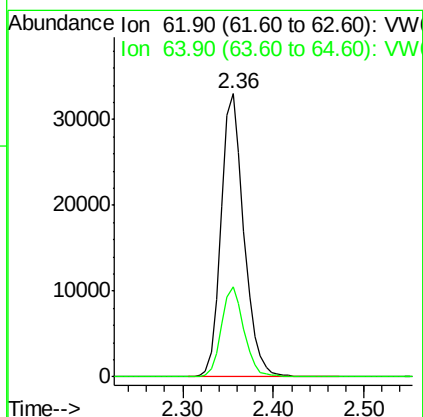
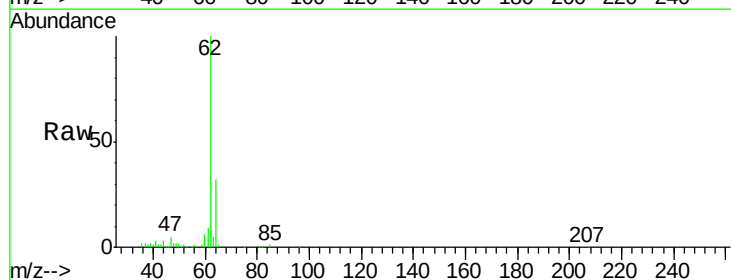
Acq: 13 Jul 2018 18:28

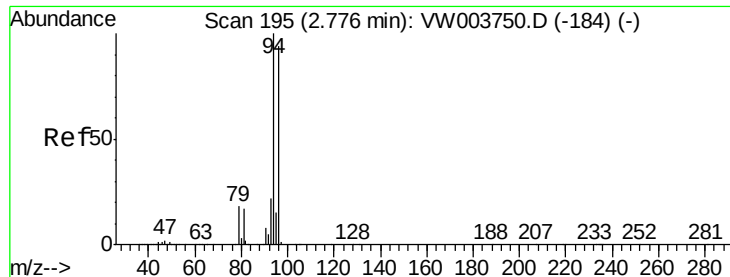
Tgt Ion: 62 Resp: 58012

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 17.66 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 94 Resp: 35749

Ion Ratio Lower Upper

94 100

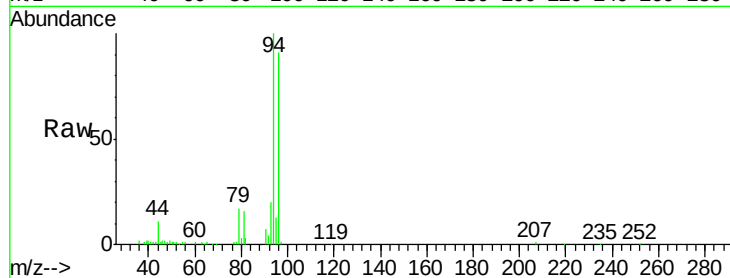
96 90.4 74.8 112.2

Manual Integrations

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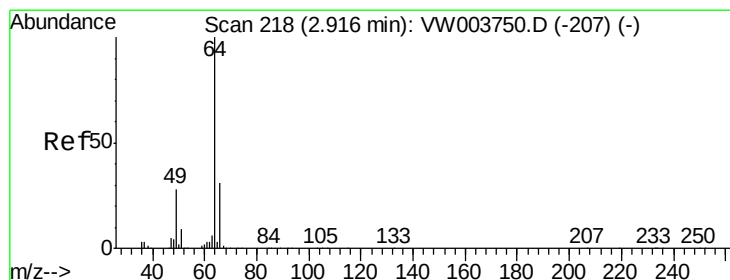
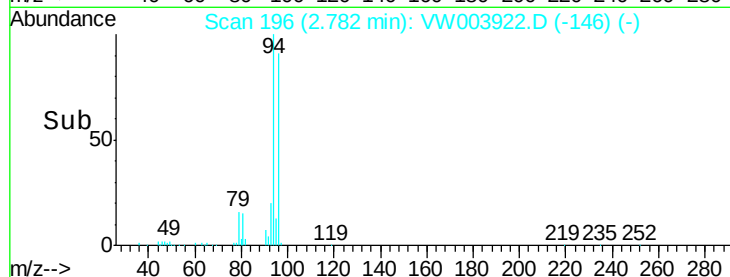
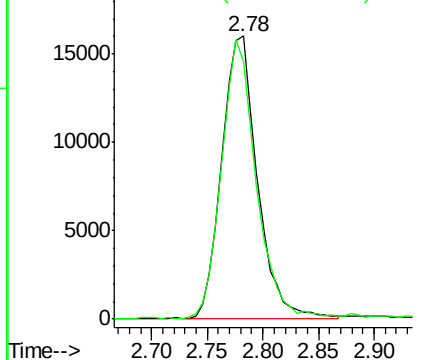
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.25 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003922.D

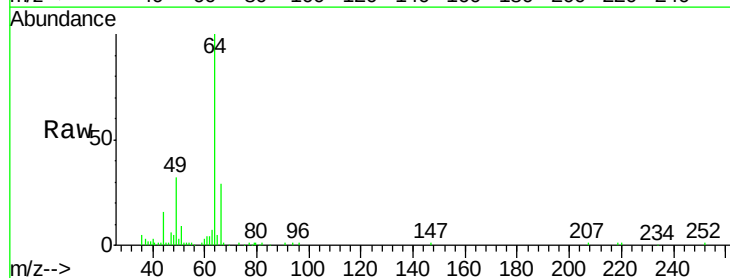
Acq: 13 Jul 2018 18:28

Tgt Ion: 64 Resp: 34818

Ion Ratio Lower Upper

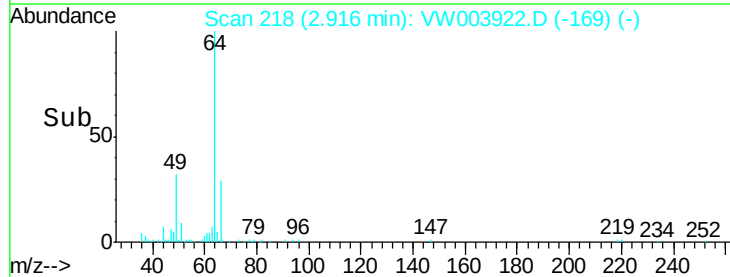
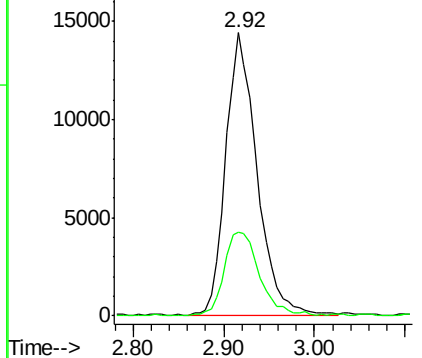
64 100

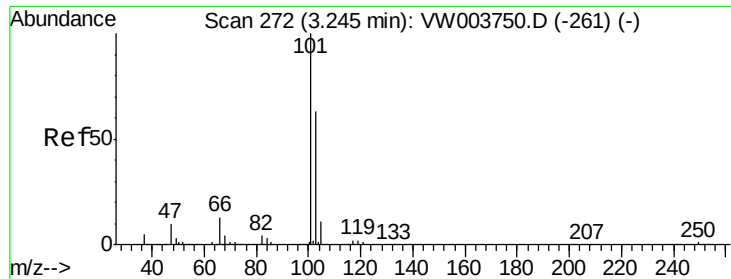
66 29.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

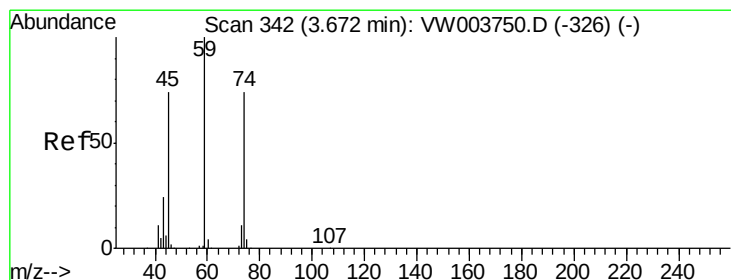
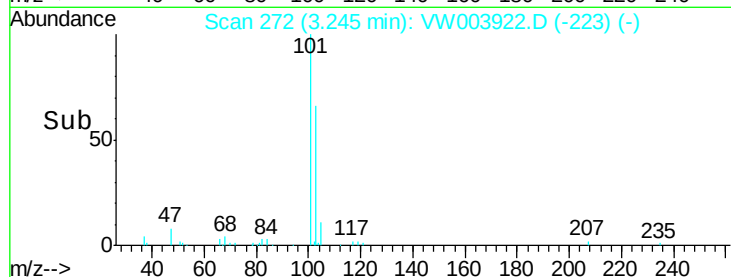
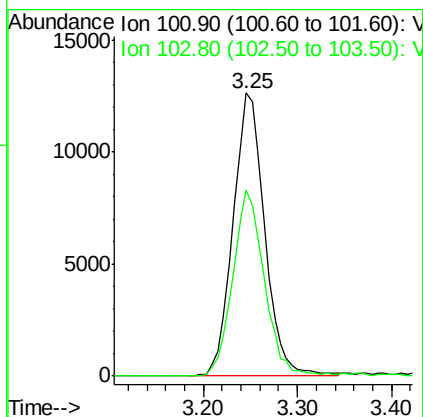
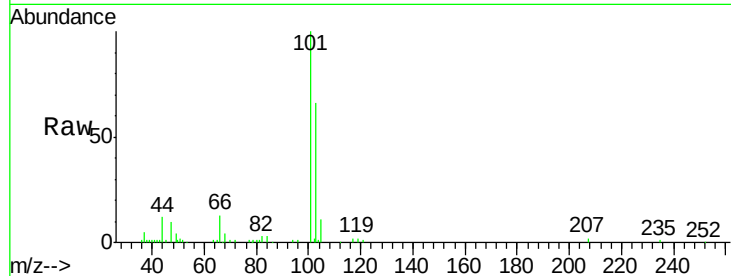
Trichlorofluoromethane
 Concen: 25.48 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.7	76.1

Manual Integrations
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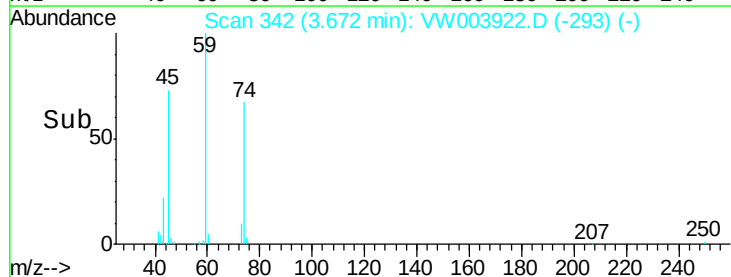
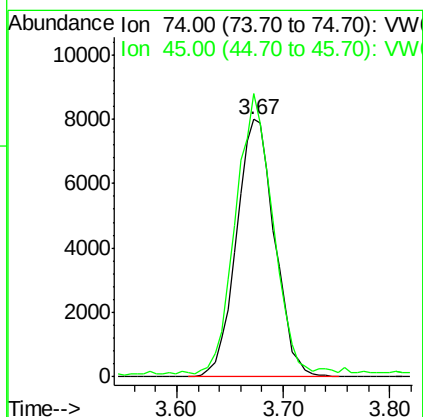
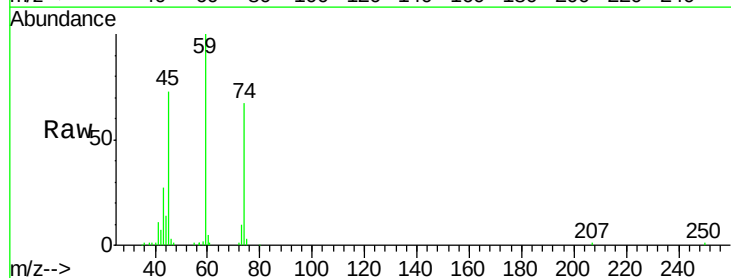
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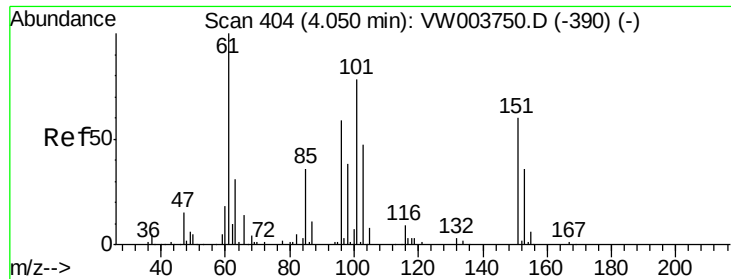


#8

Diethyl Ether
 Concen: 16.95 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	52.4	157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.13 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

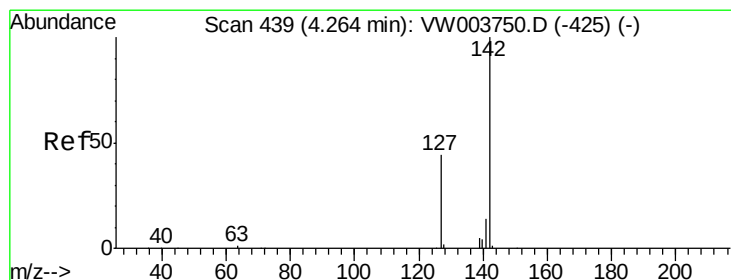
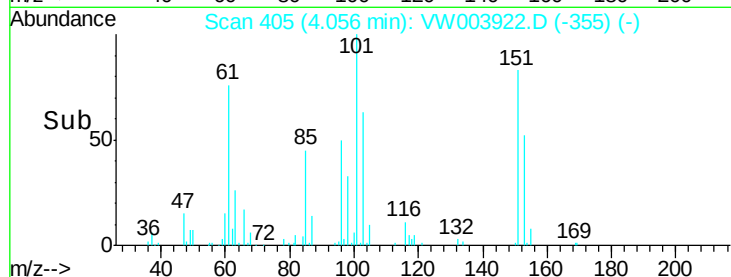
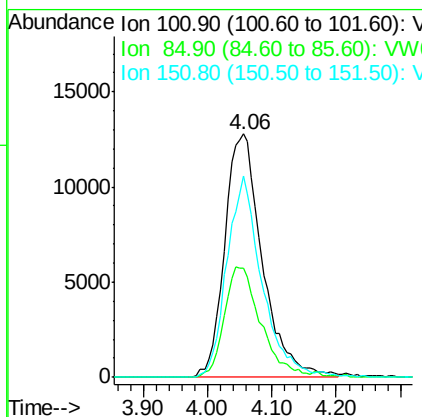
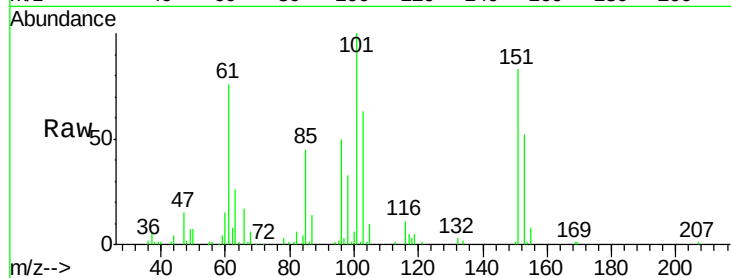
ClientSampleId :

VW0713SBS01

Tot Ion:	101	Resp:	52109
Ion Ratio	Lower	Upper	
101	100		
85	43.9	37.1	55.7
151	77.4	62.3	93.5

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#10

Methyl Iodide

Concen: 22.12 ug/l

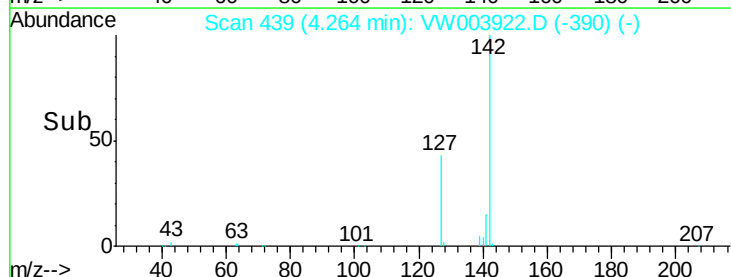
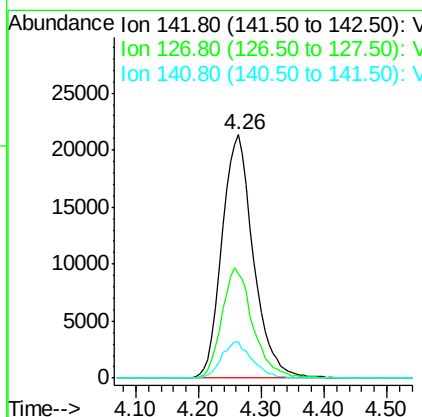
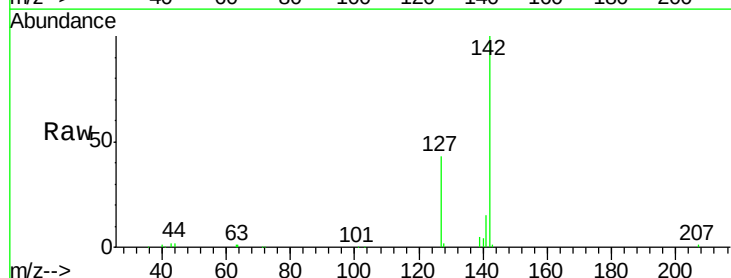
RT: 4.26 min Scan# 439

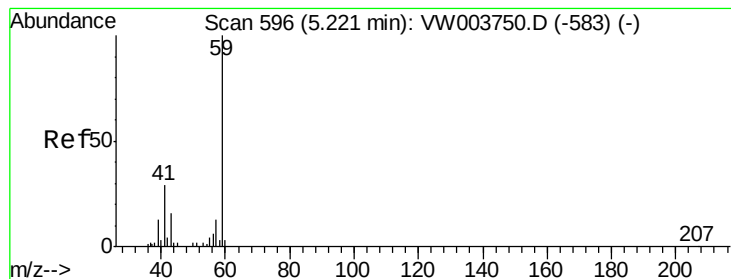
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	142	Resp:	74170
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.1	54.1
141	14.6	11.6	17.4





#11

Tert butyl alcohol

Concen: 87.49 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampled :

VW0713SBS01

Tot Ion: 59 Resp: 14600

Ion Ratio Lower Upper

59 100

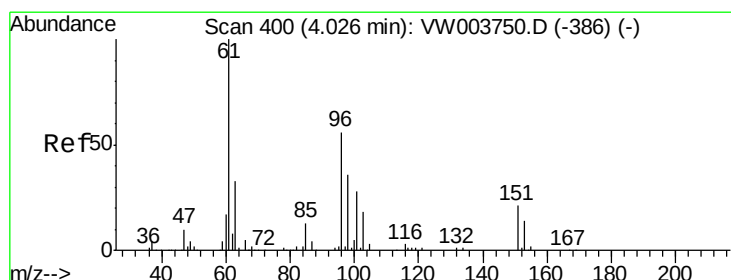
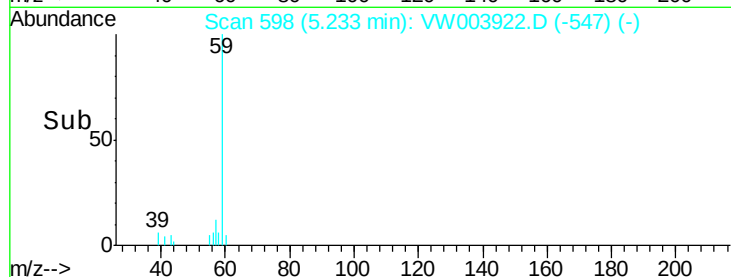
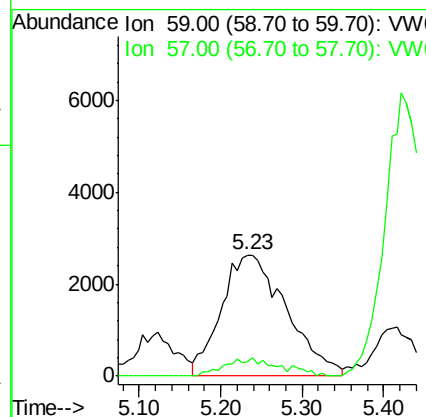
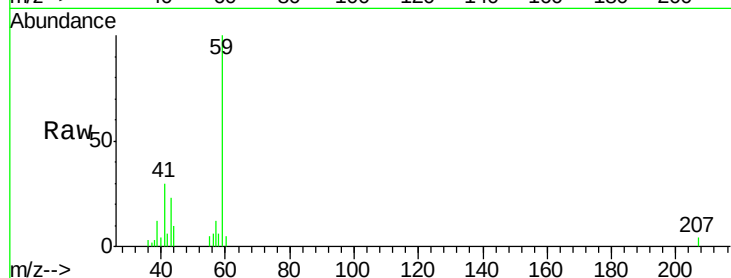
57 4.7 9.3 13.9#

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#12

1,1-Dichloroethene

Concen: 23.01 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

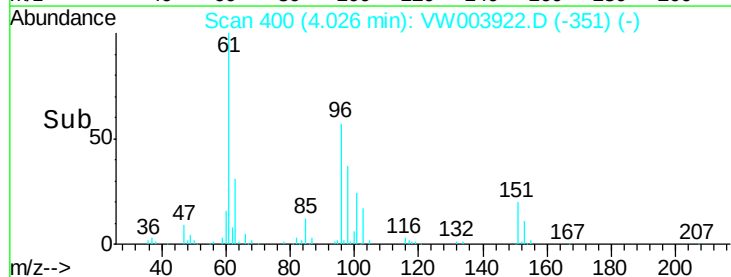
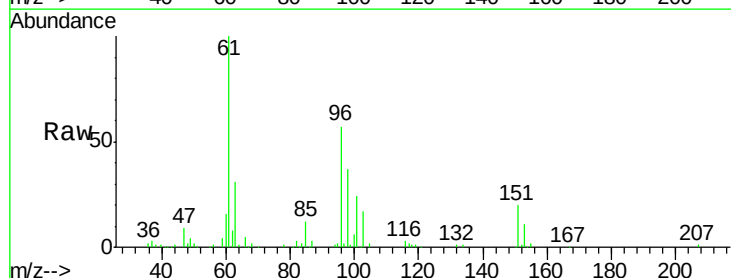
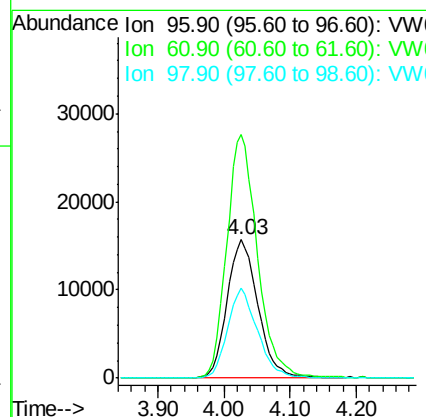
Tgt Ion: 96 Resp: 50891

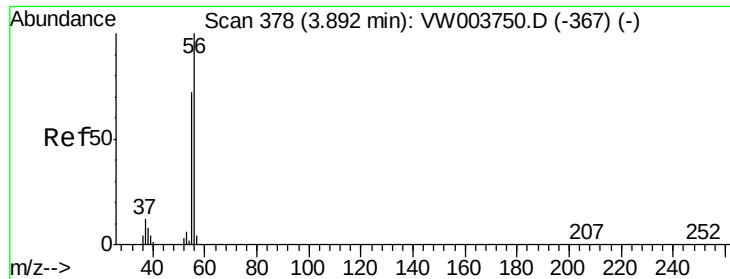
Ion Ratio Lower Upper

96 100

61 176.2 143.2 214.8

98 64.9 51.4 77.0





#13

Acrolein

Concen: 67.31 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 56 Resp: 16810

Ion Ratio Lower Upper

56 100

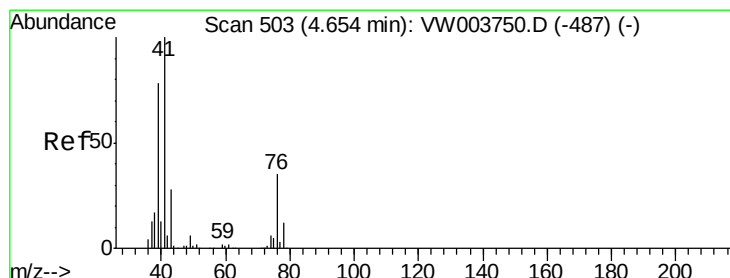
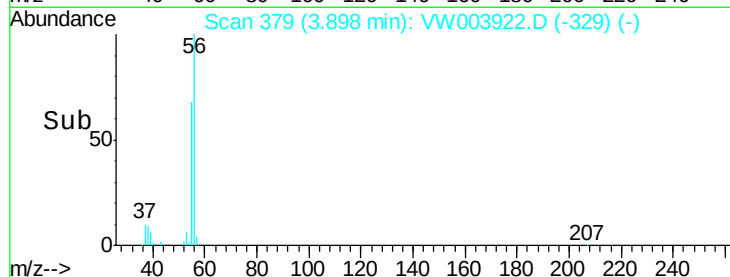
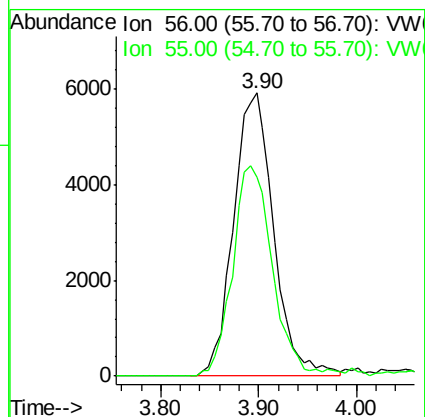
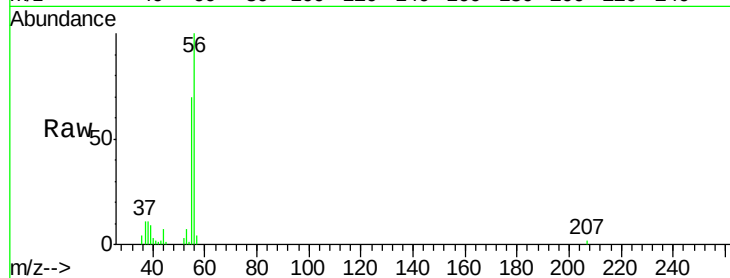
55 73.3 57.5 86.3

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#14

Allyl chloride

Concen: 22.88 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

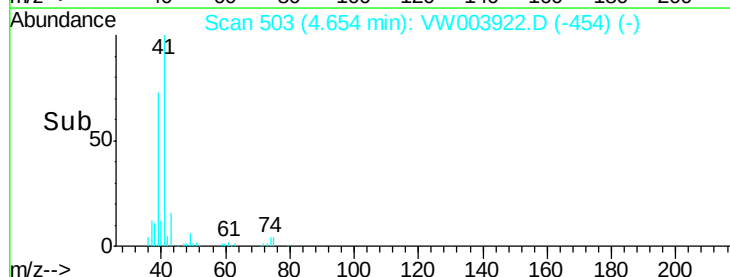
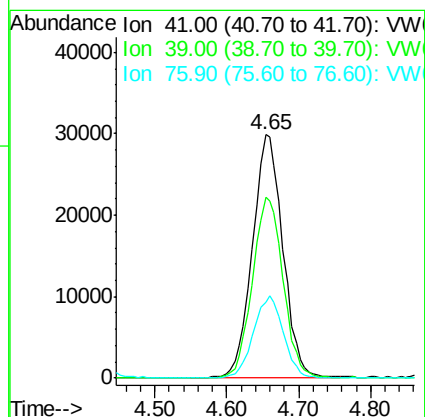
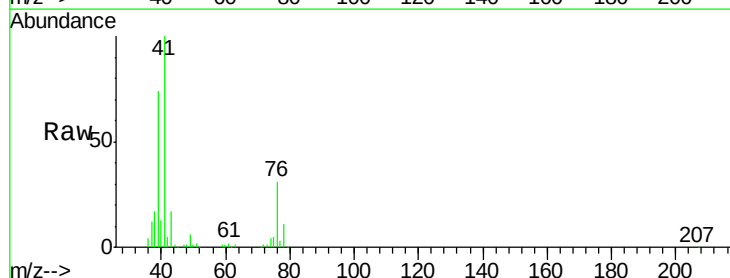
Tgt Ion: 41 Resp: 87986

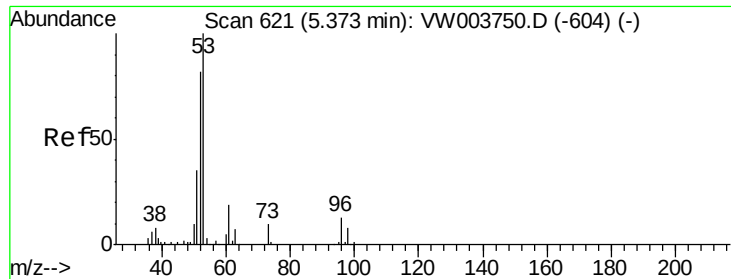
Ion Ratio Lower Upper

41 100

39 74.6 60.9 91.3

76 33.0 27.5 41.3





#15

Acrylonitrile

Concen: 95.19 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

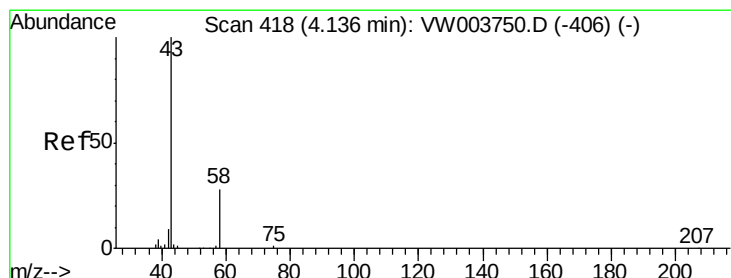
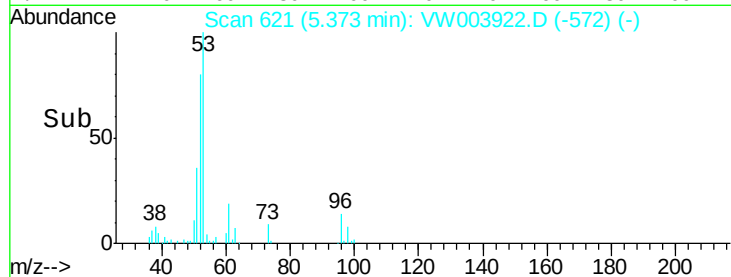
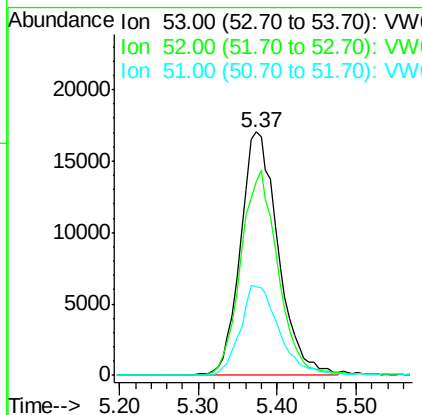
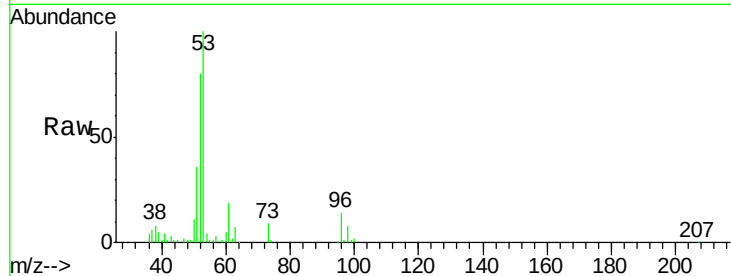
ClientSampleId :

VW0713SBS01

Tot Ion:	53	Resp:	56593
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.2
51	38.1	30.2	45.4

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#16

Acetone

Concen: 106.10 ug/l

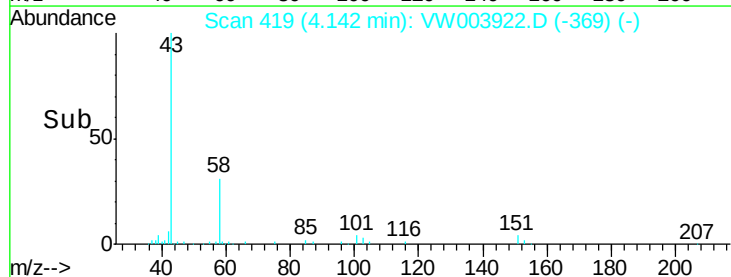
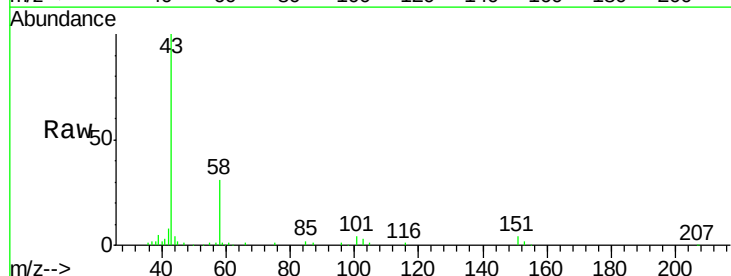
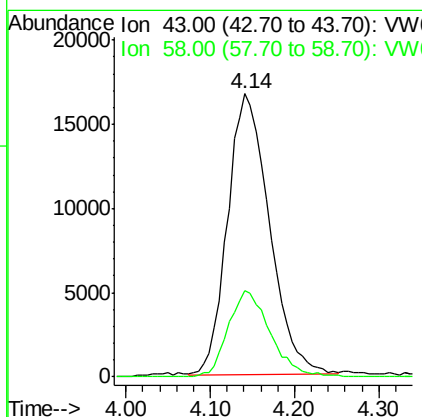
RT: 4.14 min Scan# 419

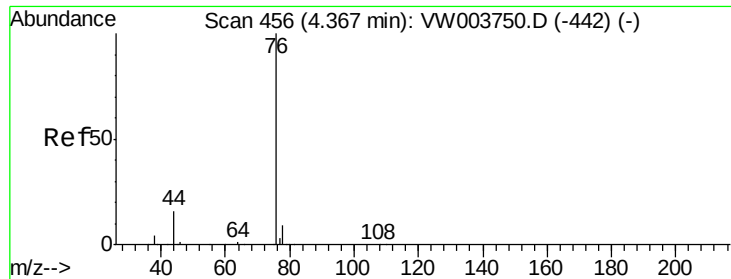
Delta R.T. 0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	43	Resp:	56685
Ion	Ratio	Lower	Upper
43	100		
58	30.9	22.6	34.0





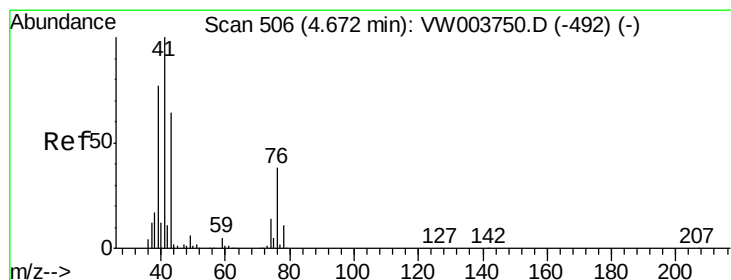
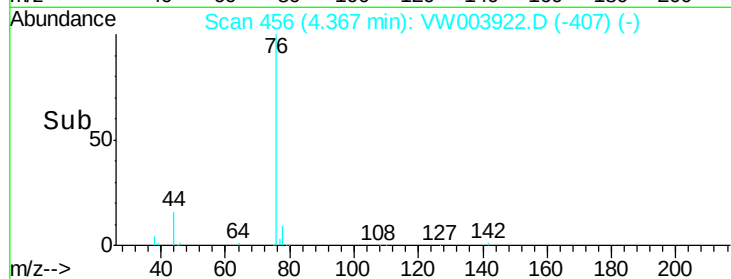
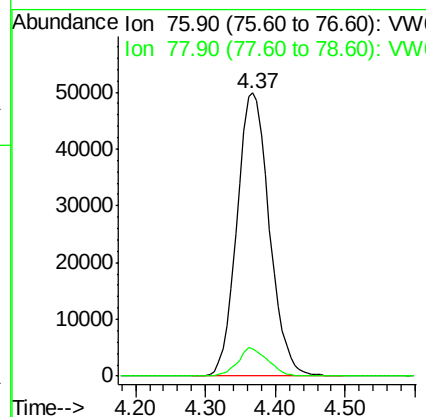
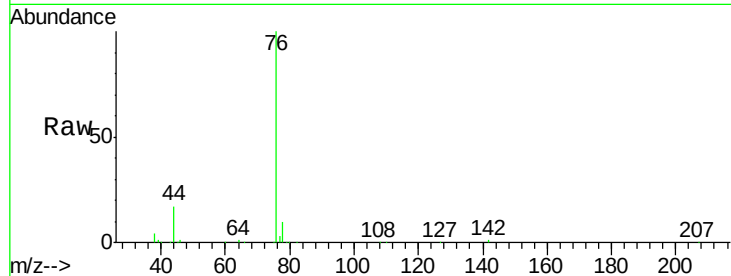
#17
Carbon Disulfide
Concen: 22.19 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

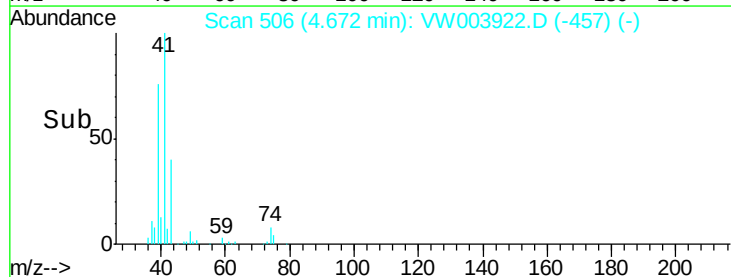
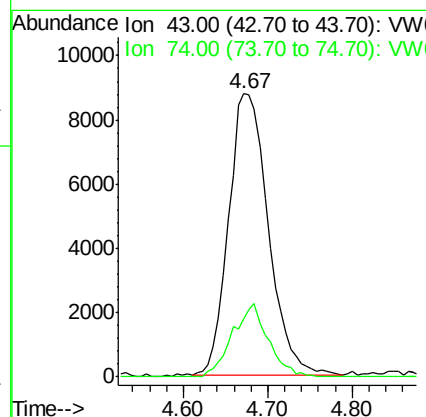
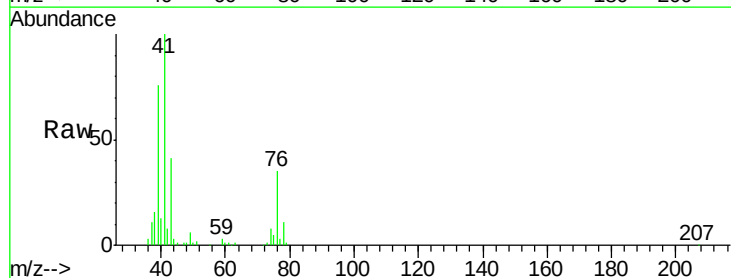
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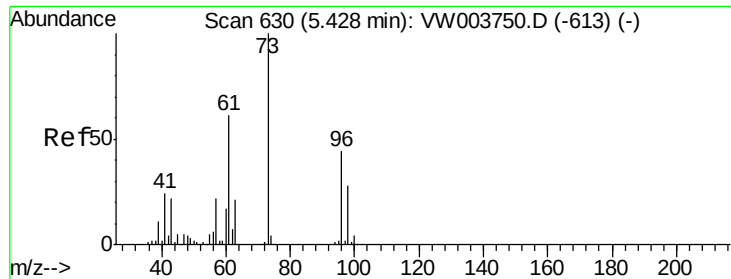
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#18
Methyl Acetate
Concen: 18.60 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.3	25.9





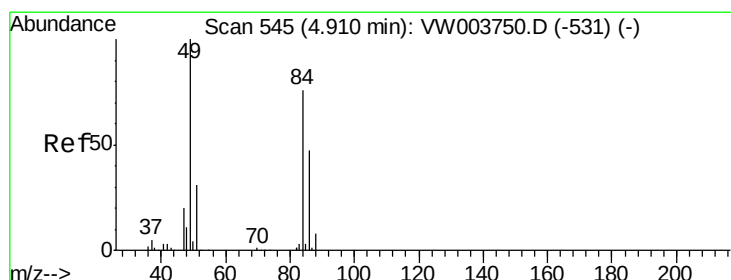
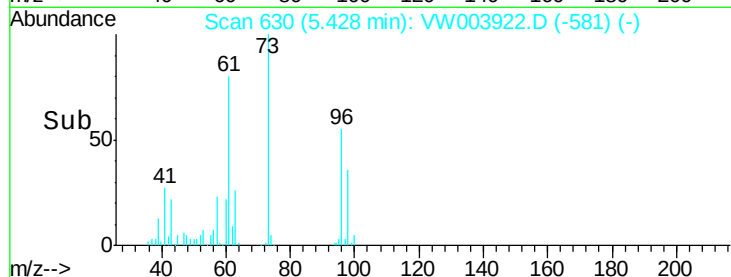
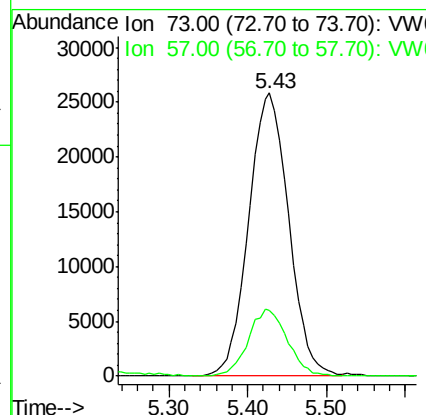
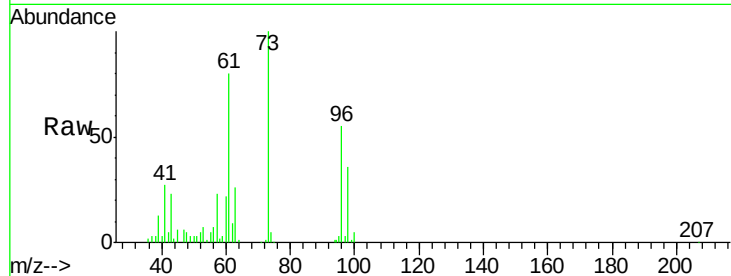
#19
Methyl tert-butyl Ether
Concen: 19.97 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion: 73 Resp: 91259
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

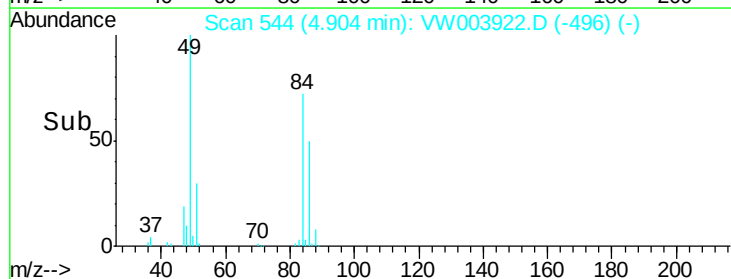
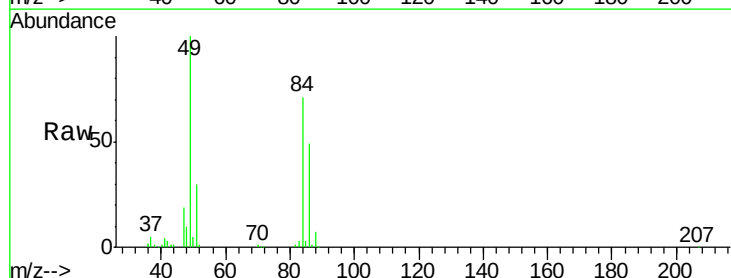
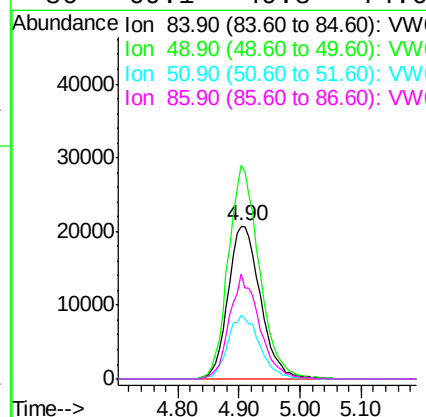
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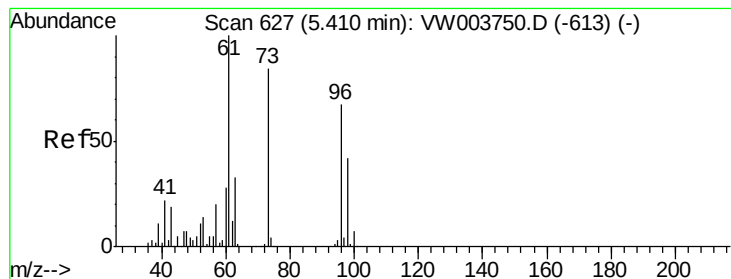
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#20
Methylene Chloride
Concen: 27.08 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion: 84 Resp: 75740
Ion Ratio Lower Upper
84 100
49 140.2 105.1 157.7
51 41.8 32.5 48.7
86 69.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.44 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

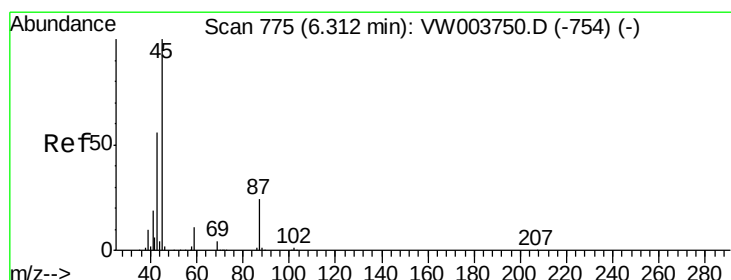
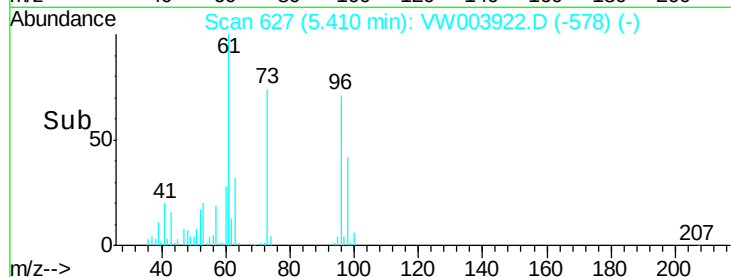
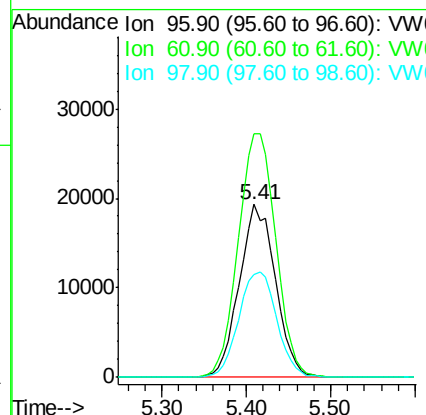
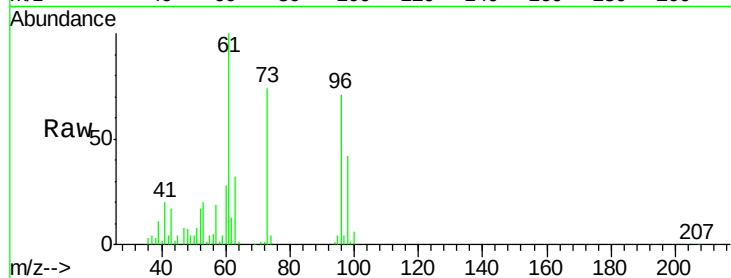
ClientSampleId :

VW0713SBS01

Tot Ion:	96	Resp:	56140
Ion	Ratio	Lower	Upper
96	100		
61	141.1	119.0	178.6
98	59.4	49.8	74.8

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#22

Diisopropyl ether

Concen: 20.70 ug/l

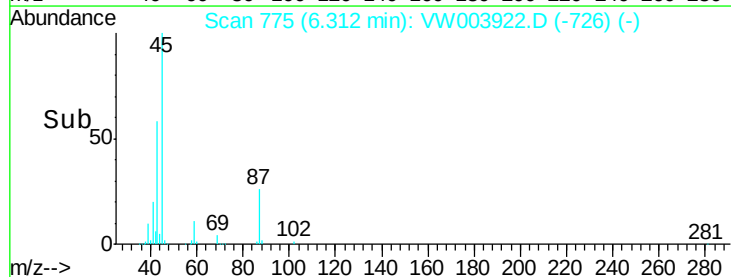
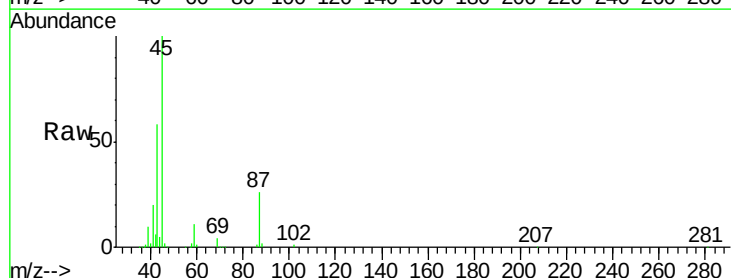
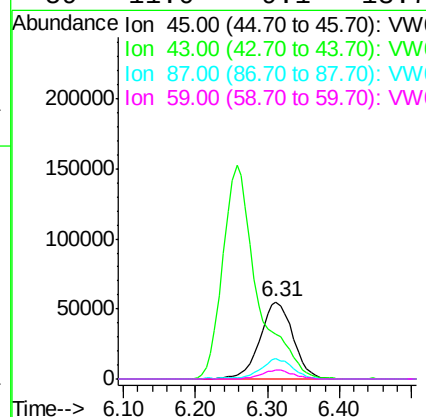
RT: 6.31 min Scan# 775

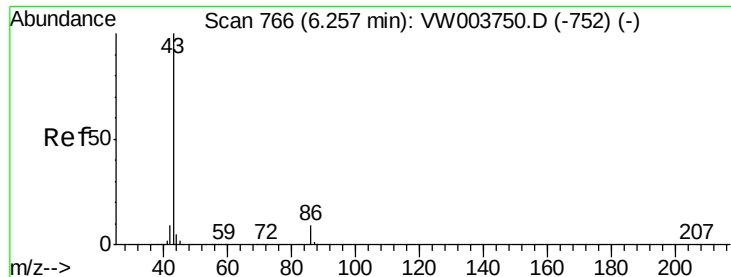
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	45	Resp:	175008
Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.5	66.7
87	25.7	19.6	29.4
59	11.0	9.1	13.7





#23

Vinyl Acetate

Concen: 98.05 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 43 Resp: 506034

Ion Ratio Lower Upper

43 100

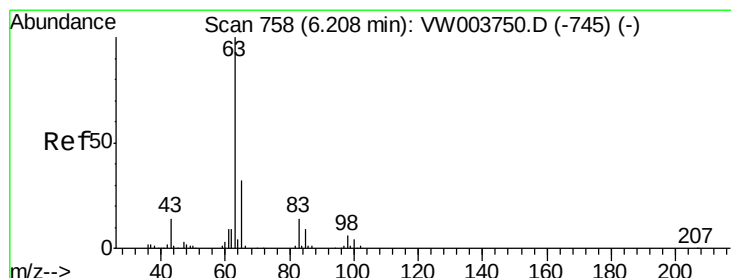
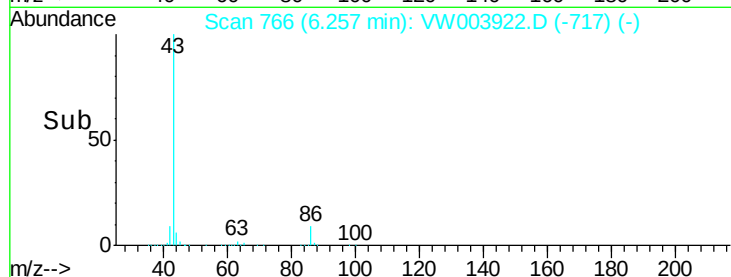
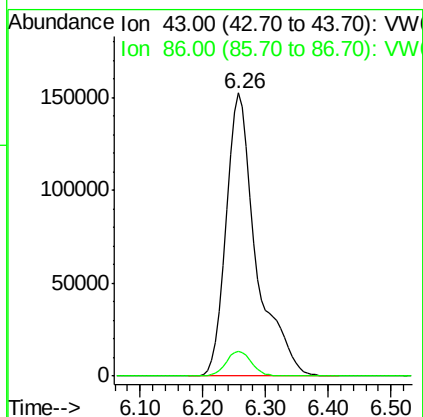
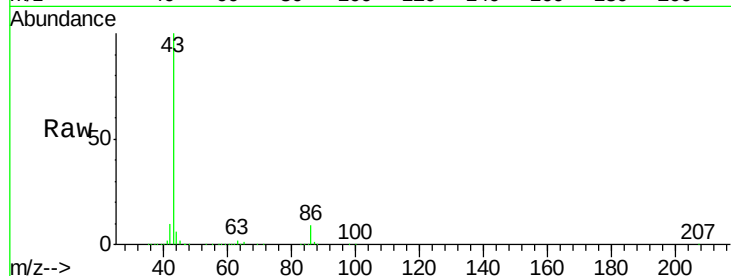
86 8.8 7.3 10.9

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#24

1,1-Dichloroethane

Concen: 20.75 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

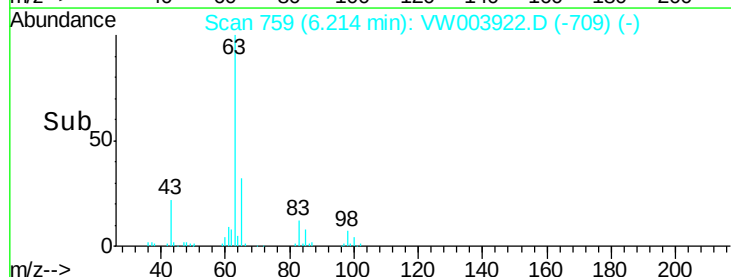
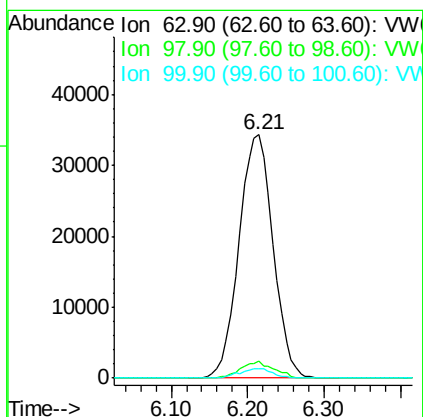
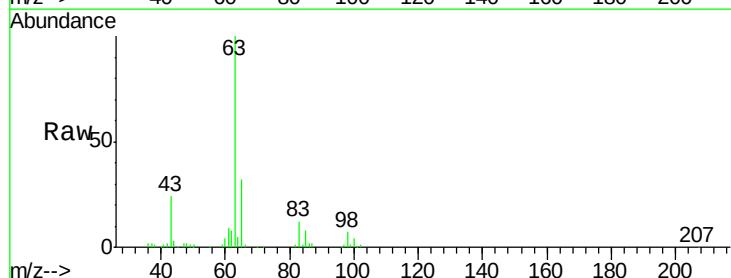
Tgt Ion: 63 Resp: 106127

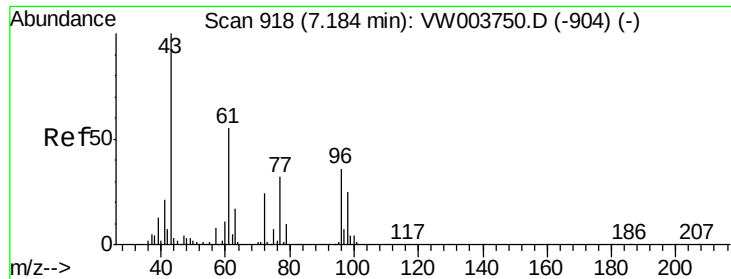
Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 3.8 2.1 6.2





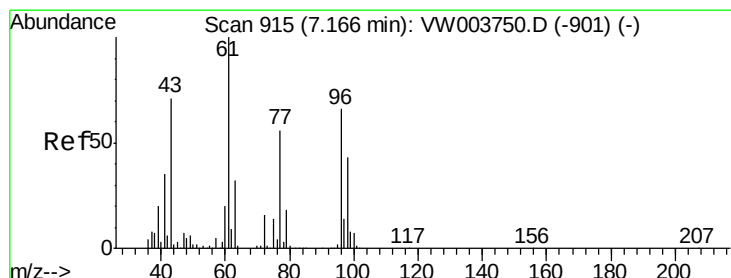
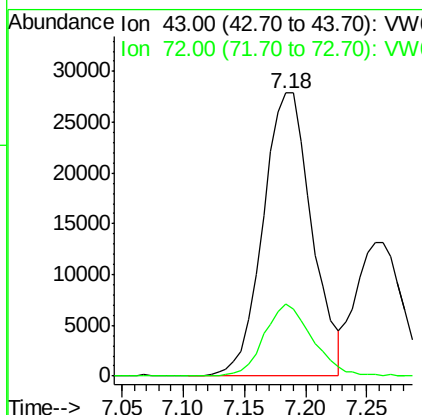
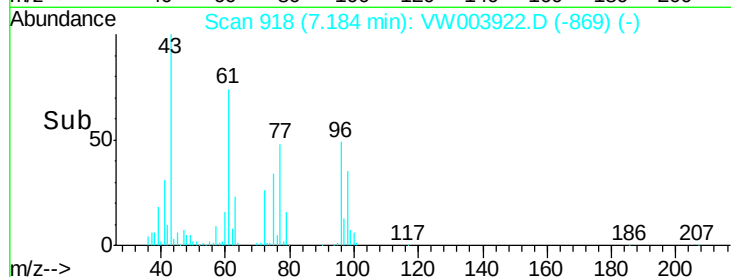
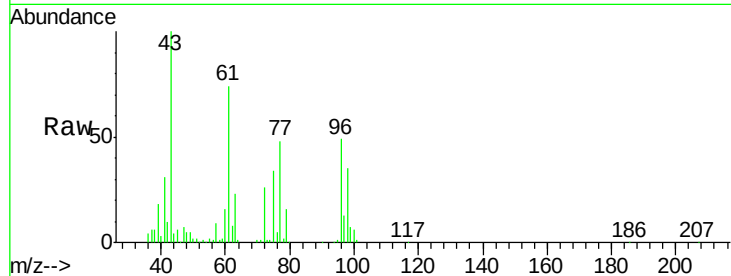
#25
2-Butanone
Concen: 92.73 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion: 43 Resp: 77596
Ion Ratio Lower Upper
43 100
72 25.6 19.4 29.2

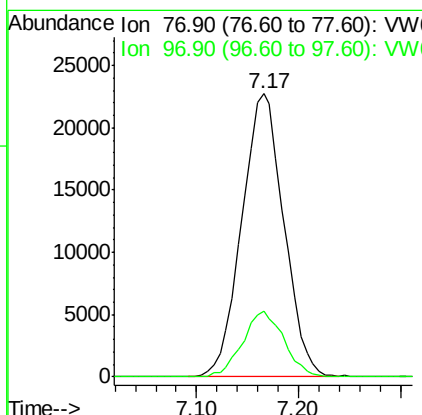
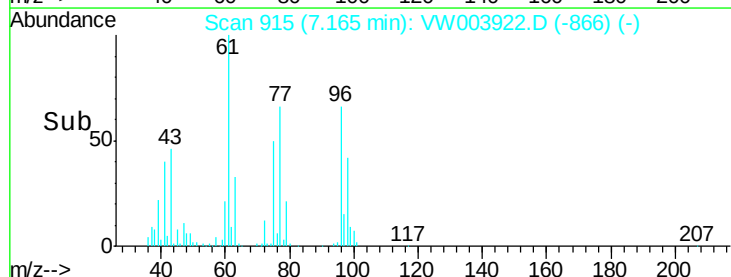
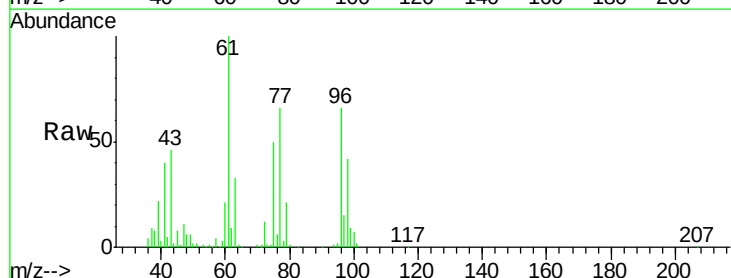
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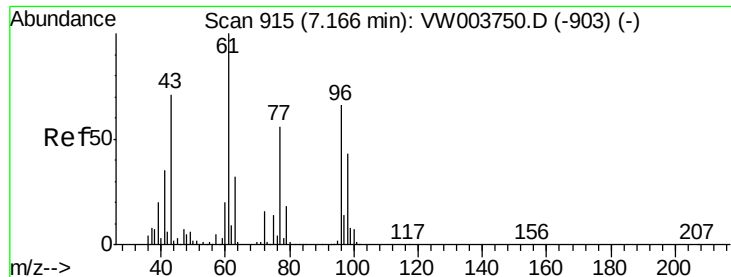
apatel
7/16/2018 10:43:40 AM



#26
2,2-Dichloropropane
Concen: 23.52 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion: 77 Resp: 65236
Ion Ratio Lower Upper
77 100
97 22.7 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.25 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

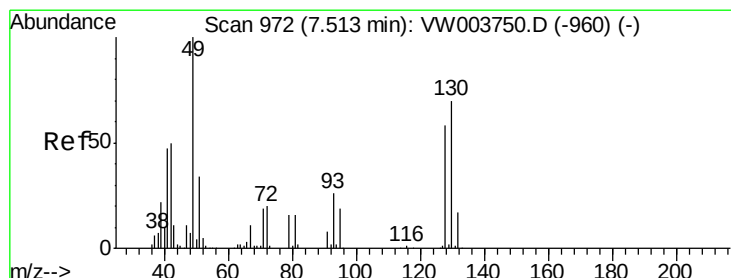
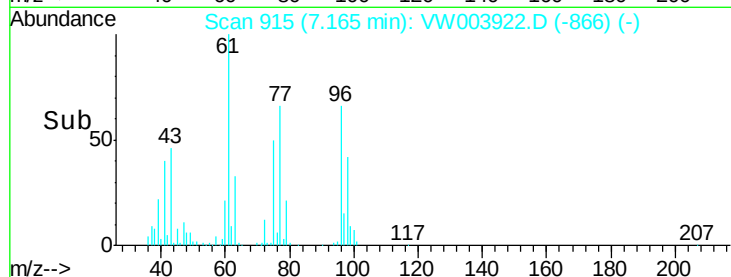
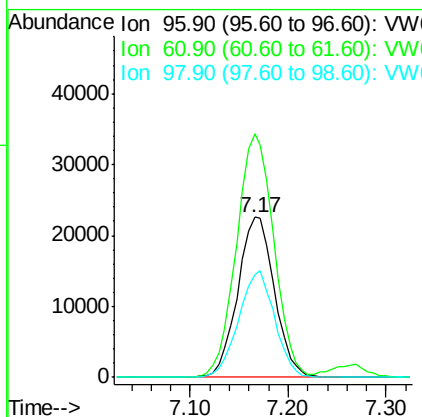
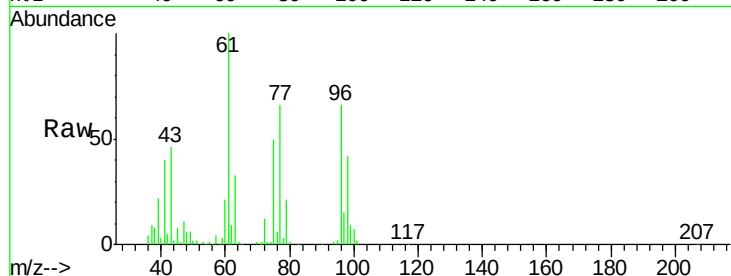
VW0713SBS01

Tot Ion:	96	Resp:	58634
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	300.8
98	65.4	0.0	128.6

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#28

Bromochloromethane

Concen: 19.54 ug/l

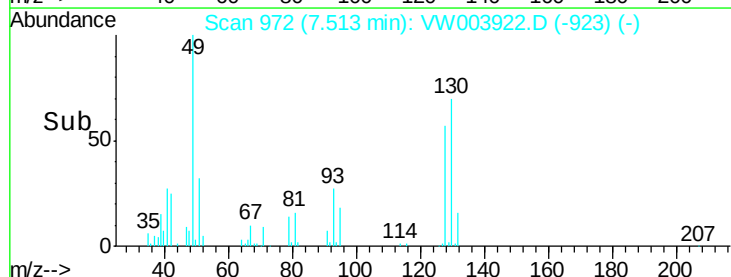
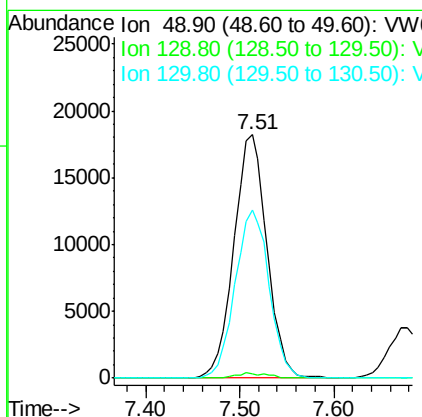
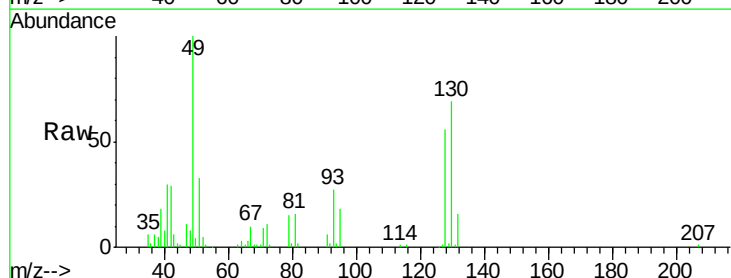
RT: 7.51 min Scan# 972

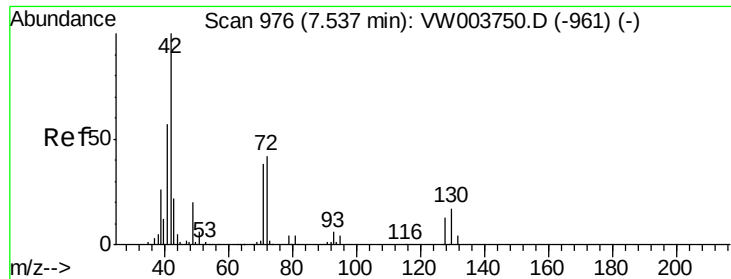
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	49	Resp:	44509
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	71.1	56.9	85.3





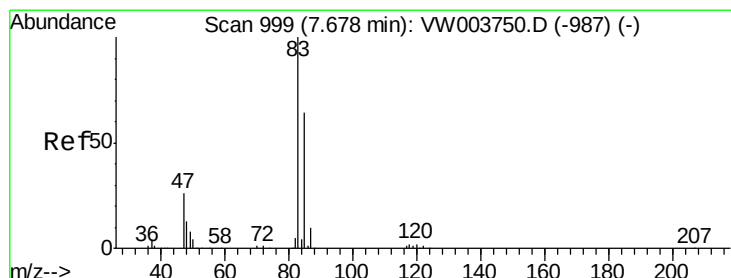
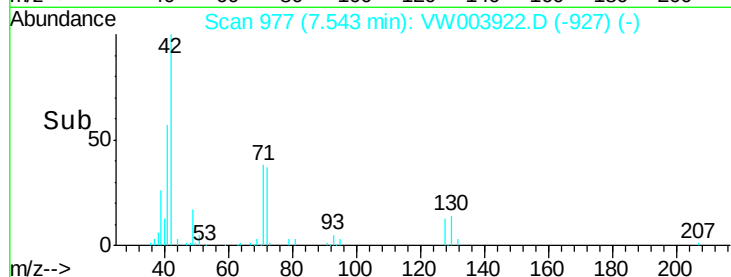
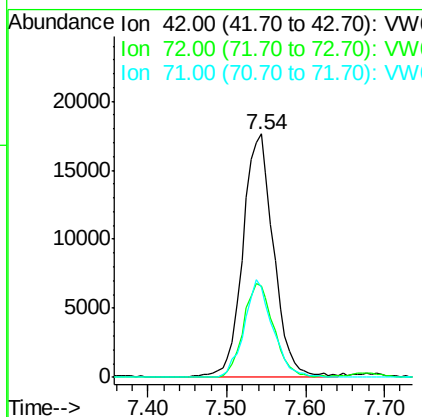
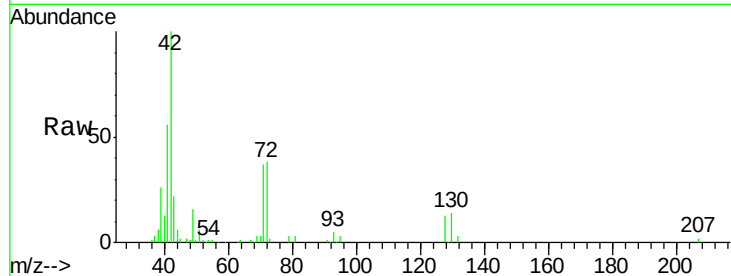
#29
Tetrahydrofuran
Concen: 89.20 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.8	47.8
71	36.8	30.3	45.5

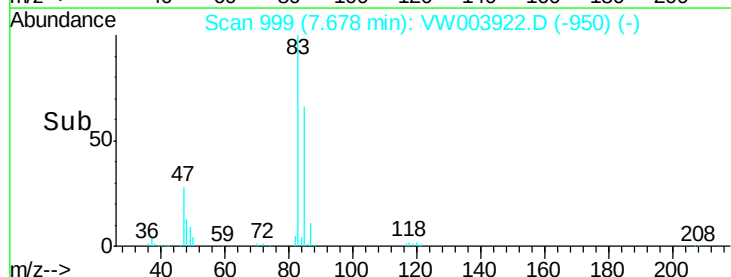
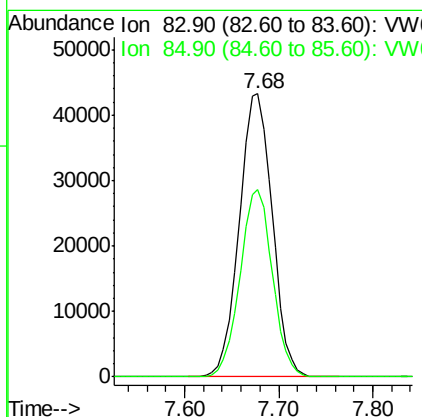
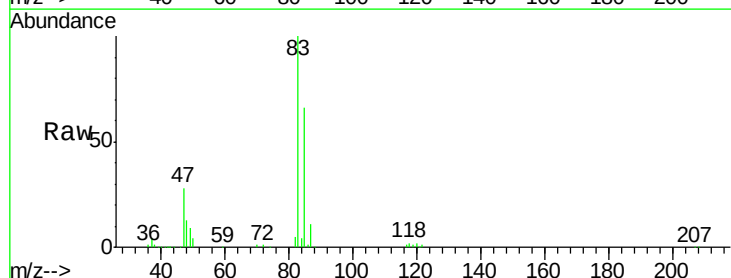
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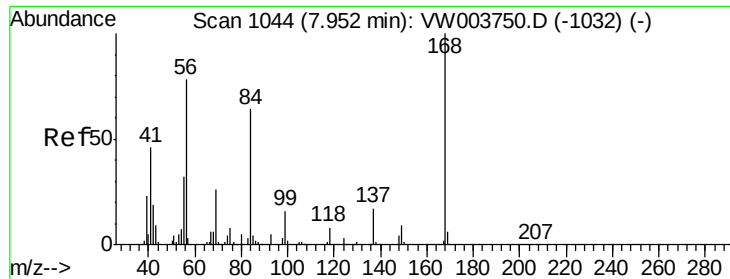
apatel
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#30
Chloroform
Concen: 20.17 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





#31

Cyclohexane

Concen: 21.69 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

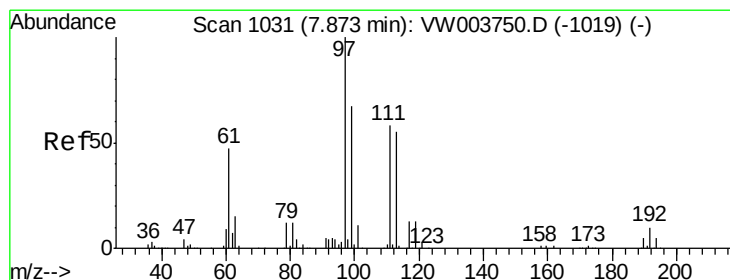
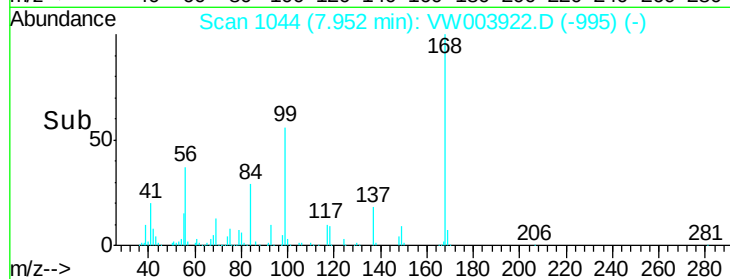
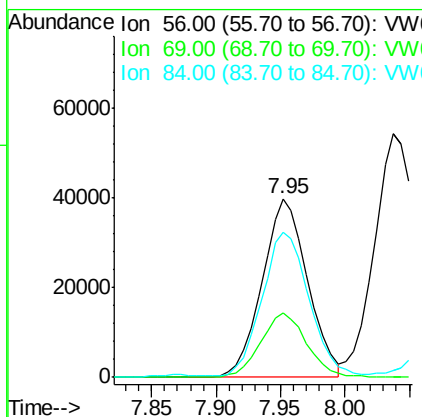
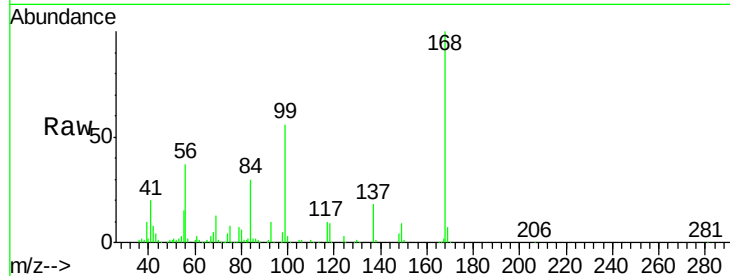
ClientSampleId :

VW0713SBS01

Tot Ion:	56	Resp:	97462
Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.2	39.4
84	80.4	65.5	98.3

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#32

1,1,1-Trichloroethane

Concen: 21.47 ug/l

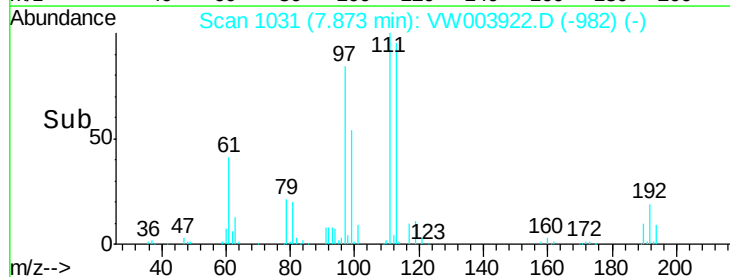
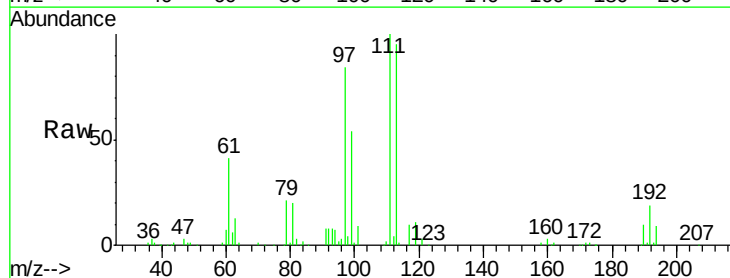
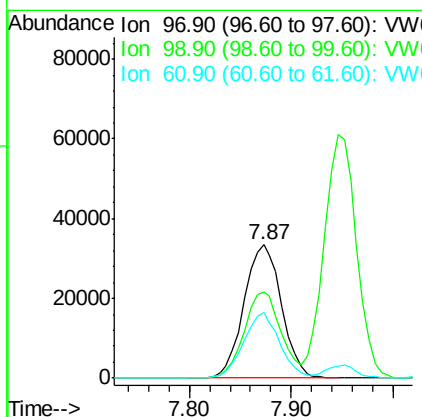
RT: 7.87 min Scan# 1031

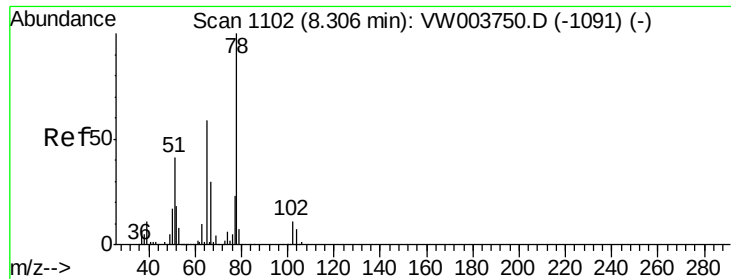
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	97	Resp:	85231
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	47.5	37.6	56.4





#33

1,2-Dichloroethane-d4

Concen: 46.10 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 65 Resp: 141953

Ion Ratio Lower Upper

65 100

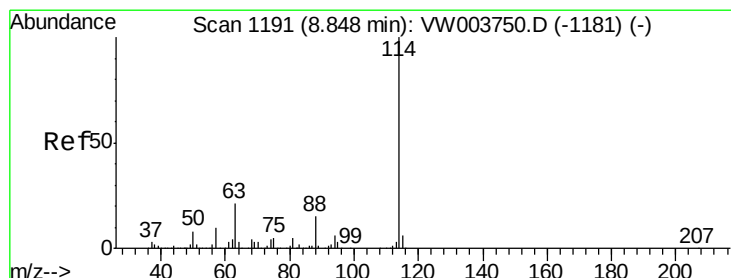
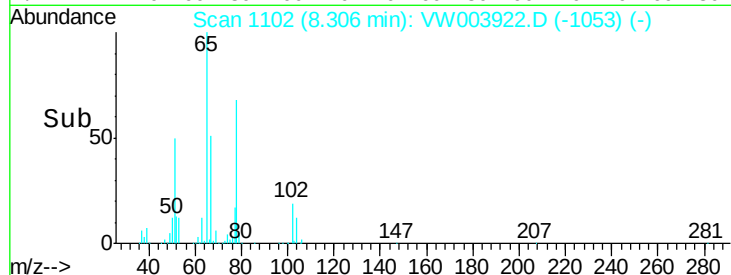
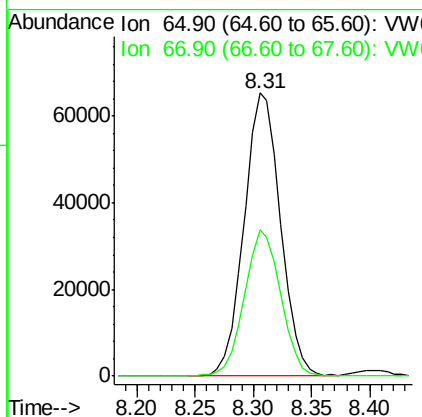
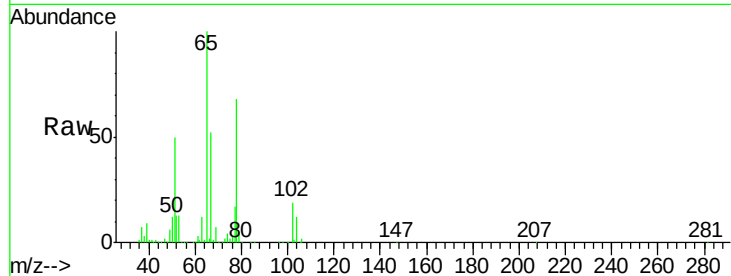
67 51.7 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

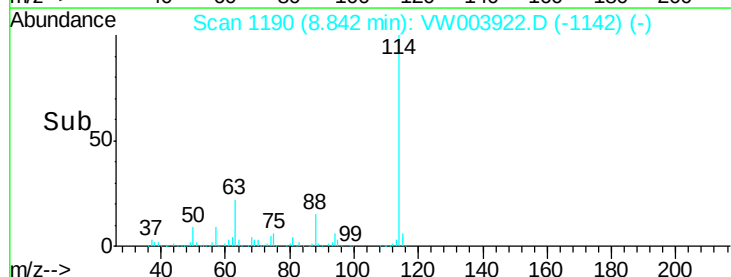
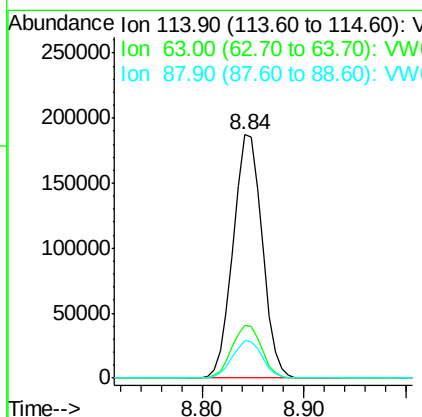
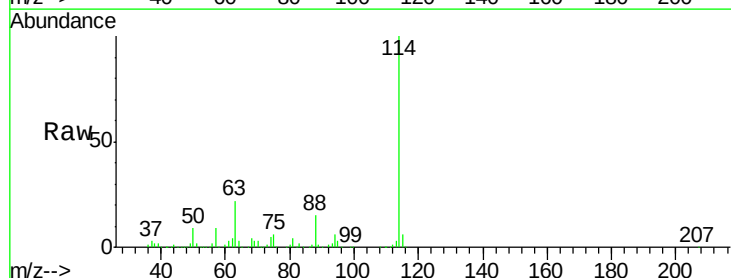
Tgt Ion: 114 Resp: 369205

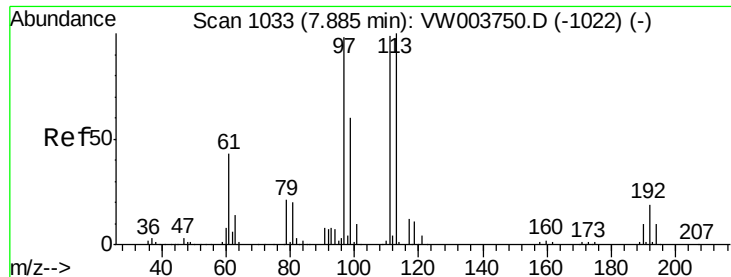
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 15.4 0.0 30.2





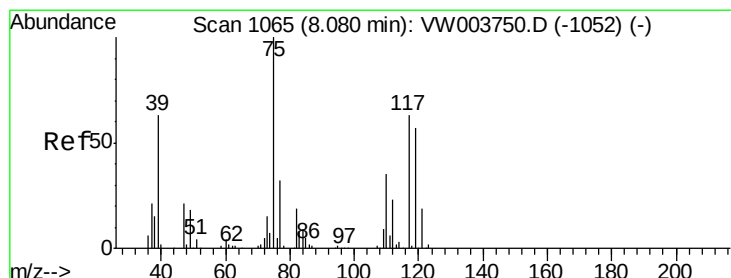
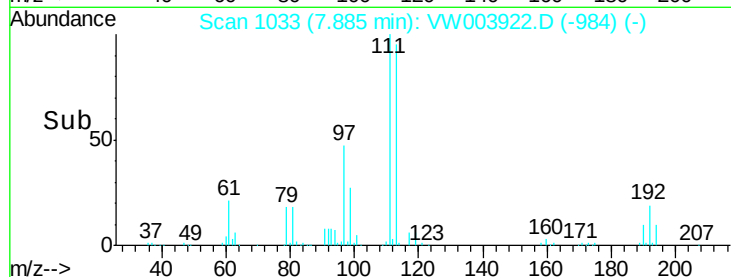
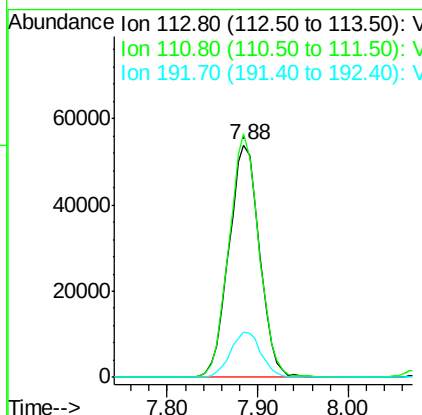
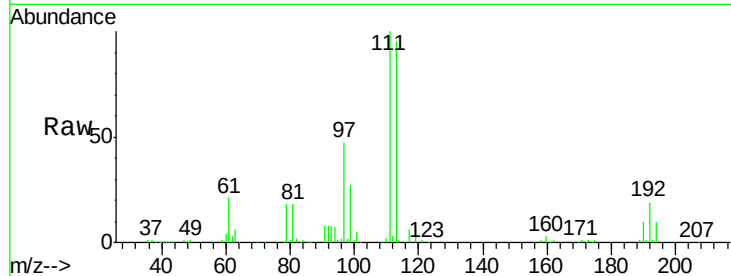
#35
Dibromofluoromethane
Concen: 48.99 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126603		
111	102.3	81.7	122.5	
192	19.5	15.8	23.8	

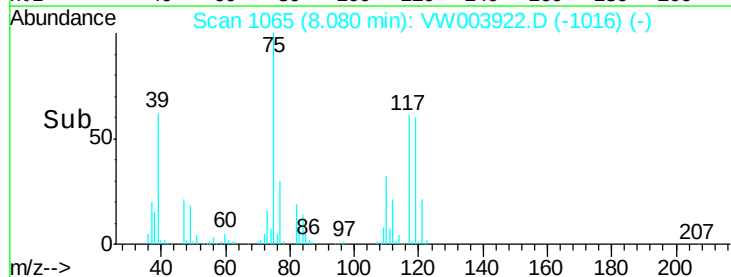
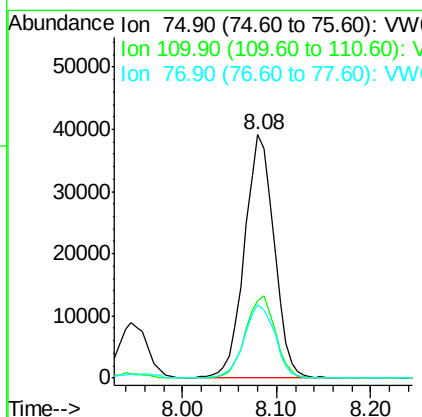
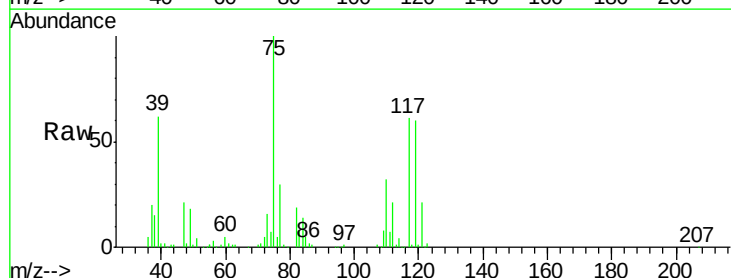
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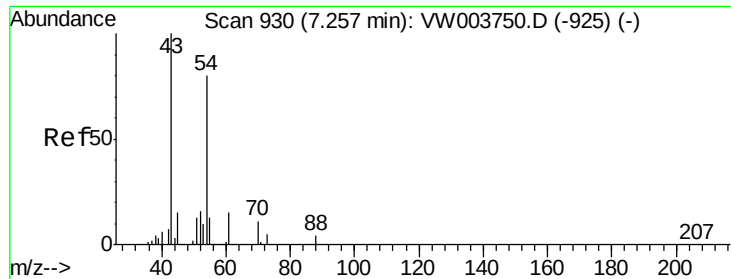
apatel
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#36
1,1-Dichloropropene
Concen: 21.98 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86093		
110	34.0	16.9	50.6	
77	31.3	24.8	37.2	





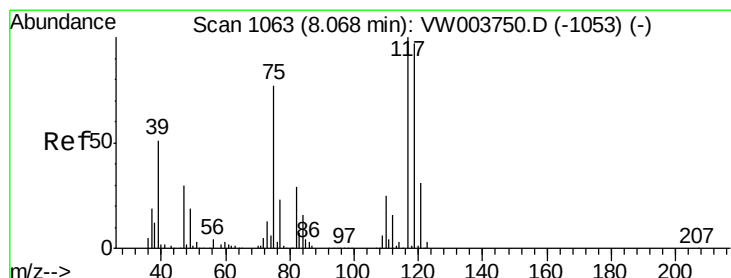
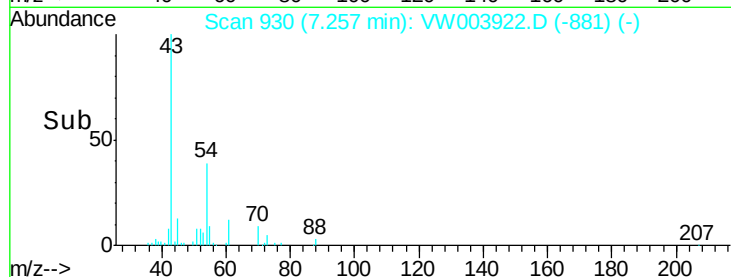
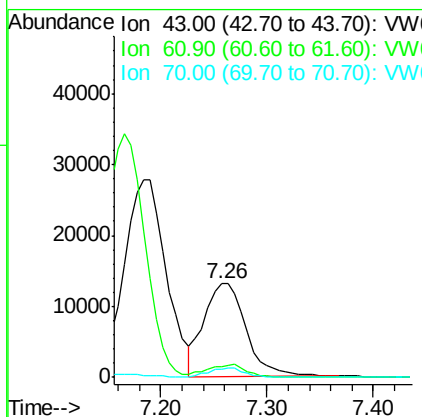
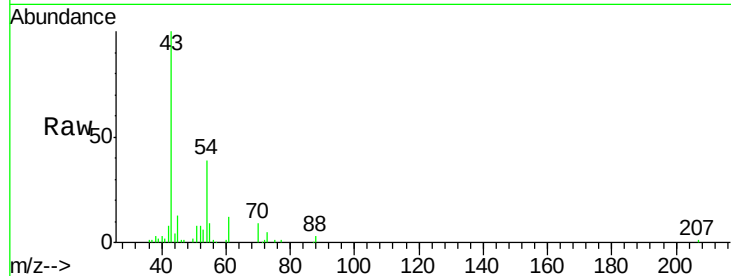
#37
Ethyl Acetate
Concen: 18.84 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	8.9	7.5	11.3

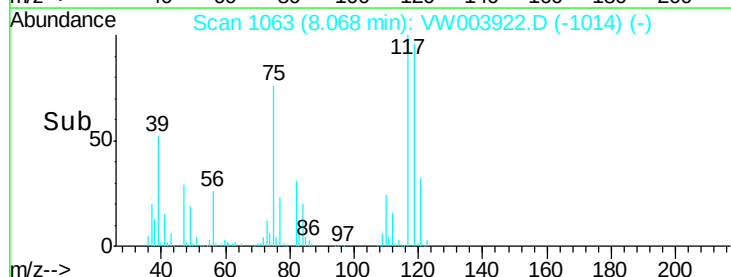
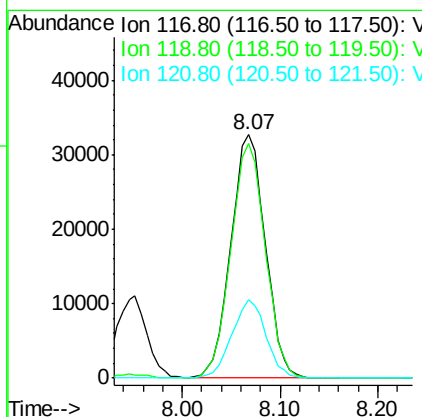
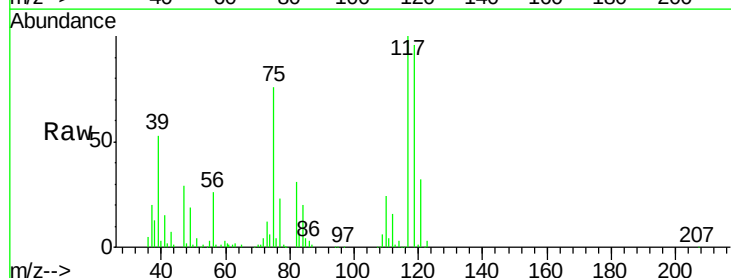
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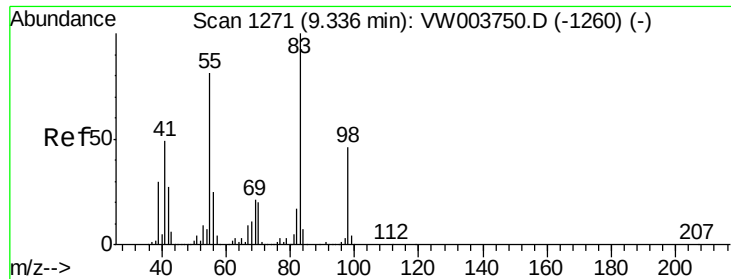
apatel
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#38
Carbon Tetrachloride
Concen: 21.49 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.2
121	32.1	24.6	37.0





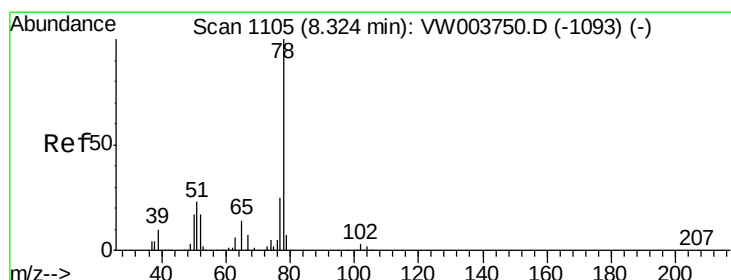
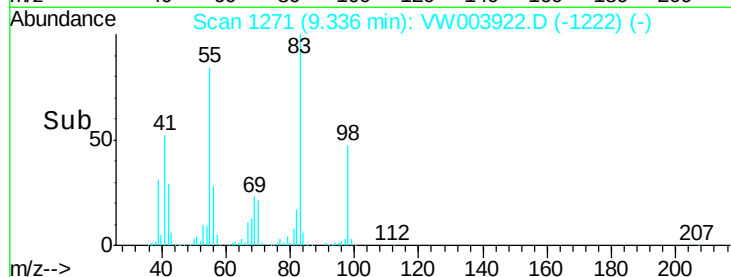
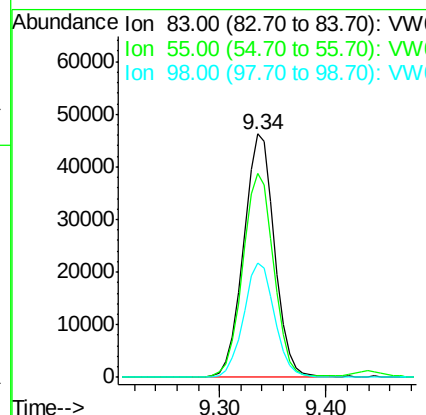
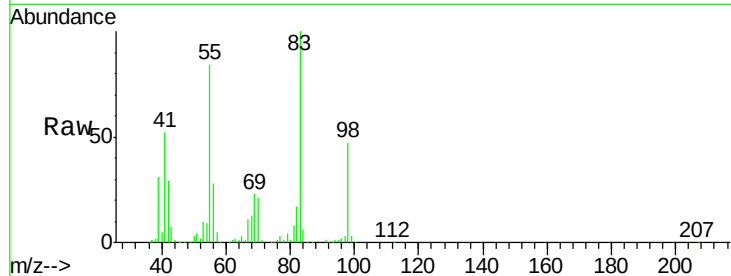
#39
Methylvlcyclohexane
Concen: 22.03 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	65.1	97.7
98	47.1	36.7	55.1

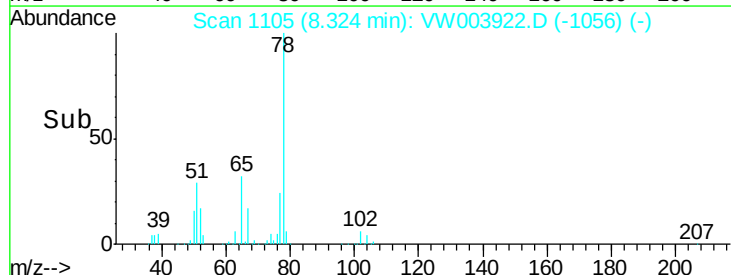
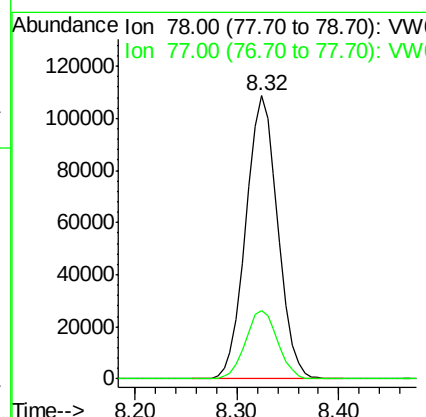
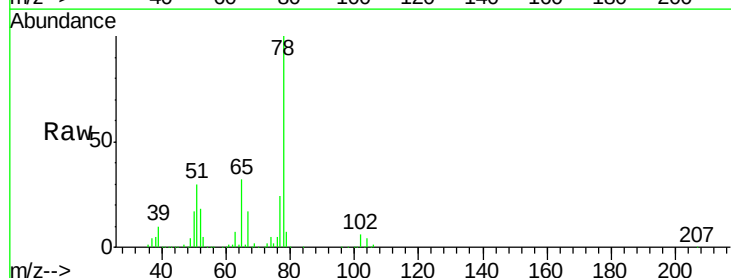
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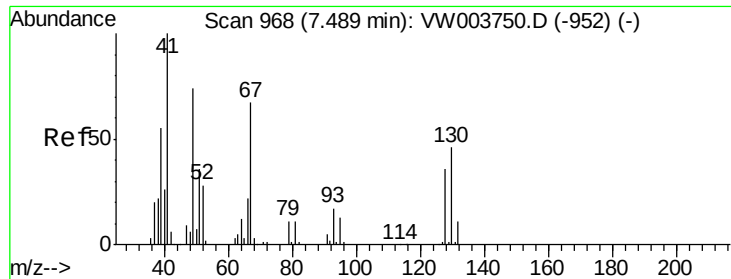
apatel
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#40
Benzene
Concen: 21.10 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5





#41

Methacrylonitrile

Concen: 19.29 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 41 Resp: 21155

Ion Ratio Lower Upper

41 100

39 55.7 49.5 74.3

67 63.5 53.8 80.8

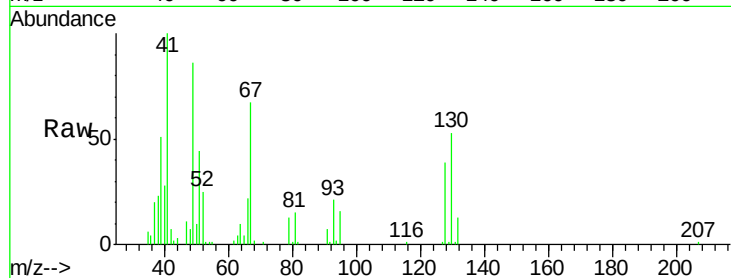
52 28.3 24.3 36.5

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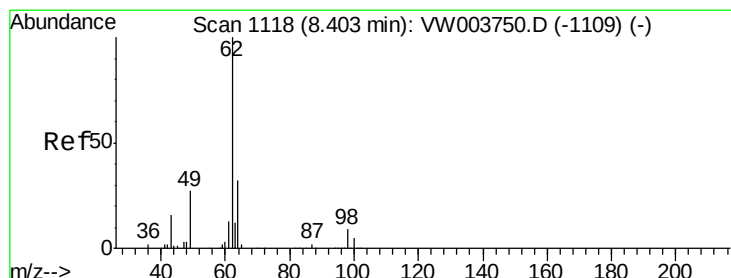
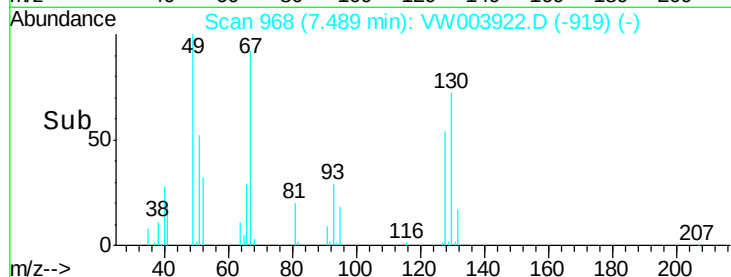
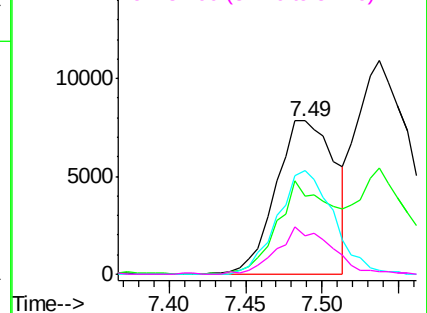


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.78 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003922.D

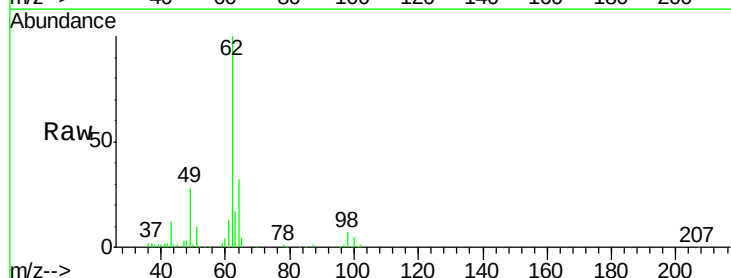
Acq: 13 Jul 2018 18:28

Tgt Ion: 62 Resp: 71702

Ion Ratio Lower Upper

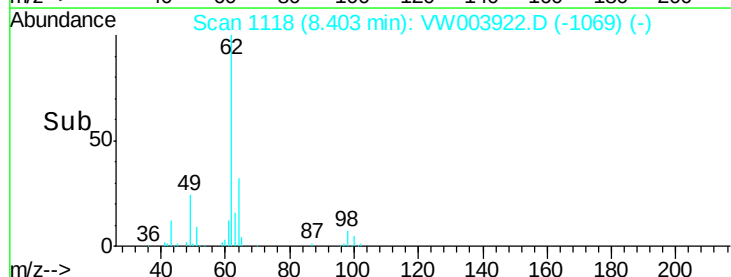
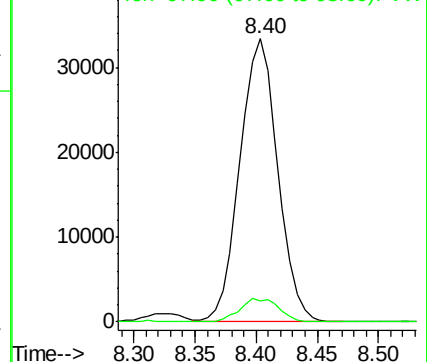
62 100

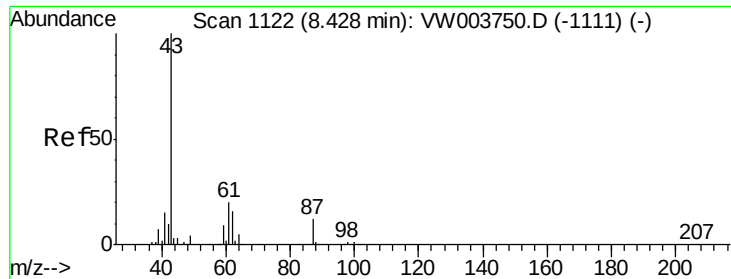
98 8.5 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.17 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

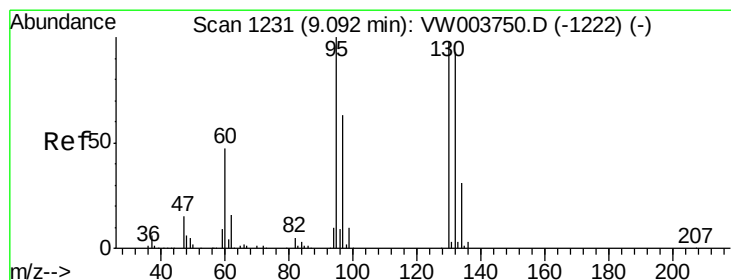
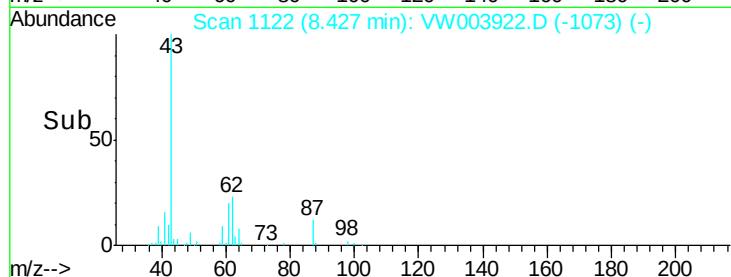
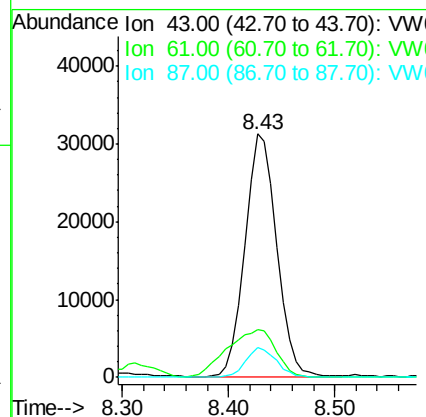
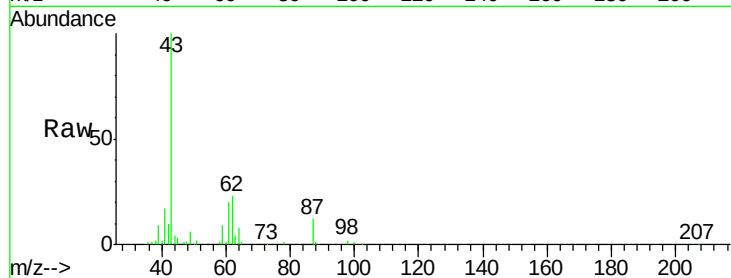
ClientSampleId :

VW0713SBS01

Tot Ion:	43	Resp:	65647
Ion Ratio	Lower	Upper	
43	100		
61	29.9	22.8	34.2
87	11.8	9.5	14.3

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#44

Trichloroethene

Concen: 21.14 ug/l

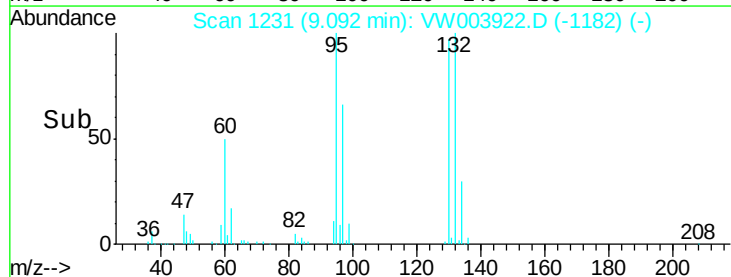
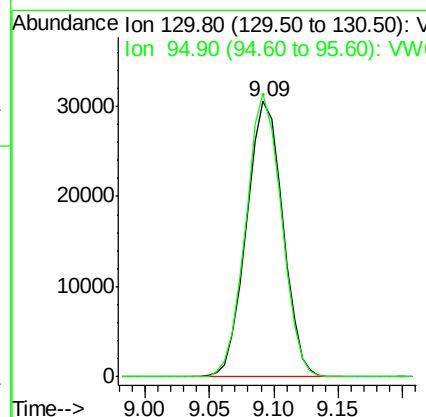
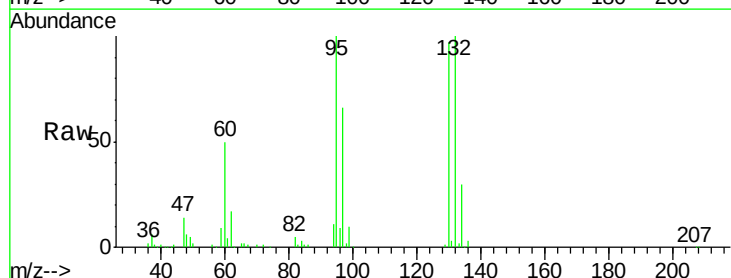
RT: 9.09 min Scan# 1231

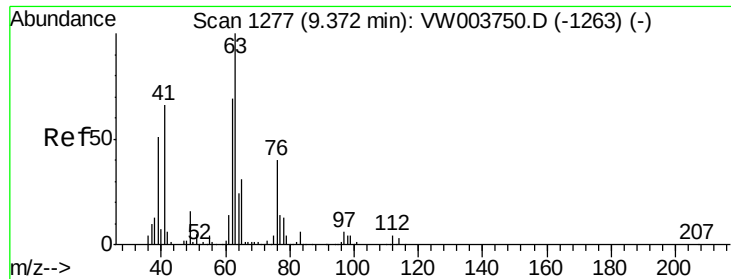
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	130	Resp:	59685
Ion Ratio	Lower	Upper	
130	100		
95	102.8	0.0	203.8





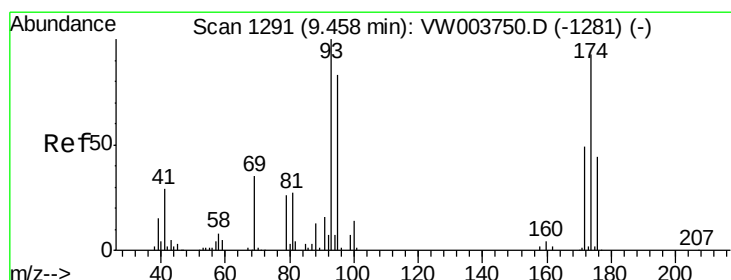
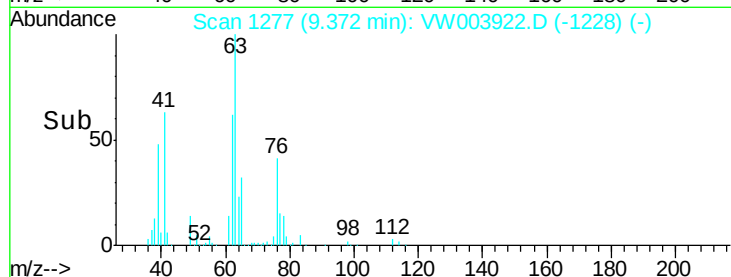
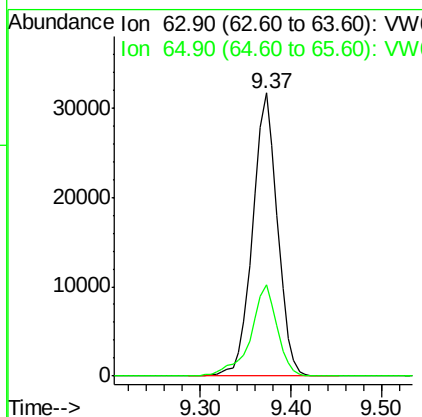
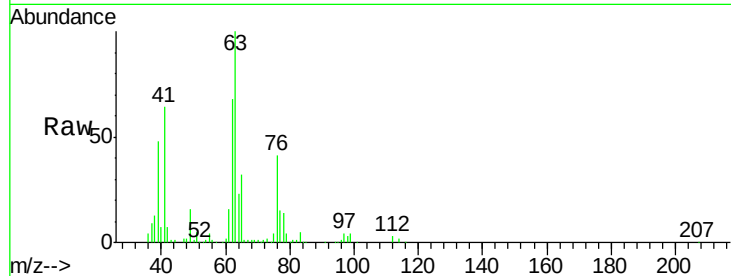
#45
 1,2-Dichloropropane
 Concen: 20.63 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.9	37.3

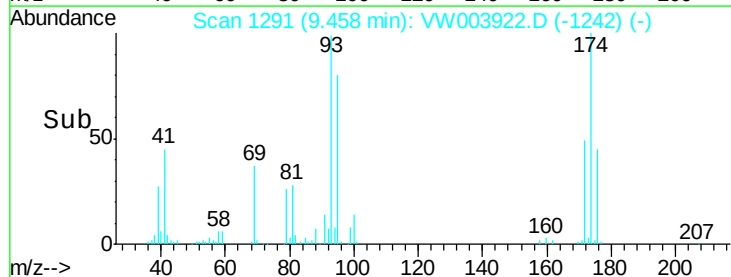
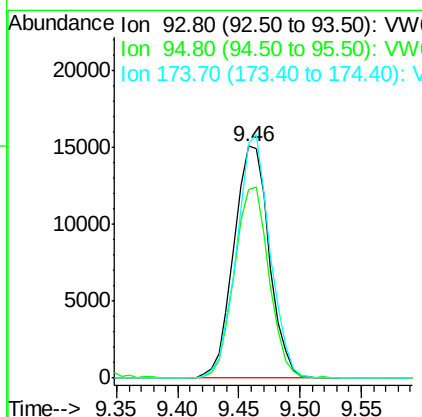
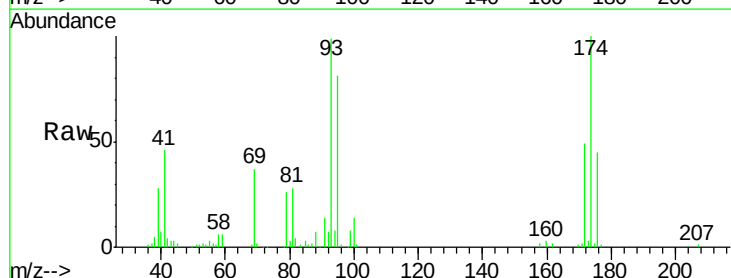
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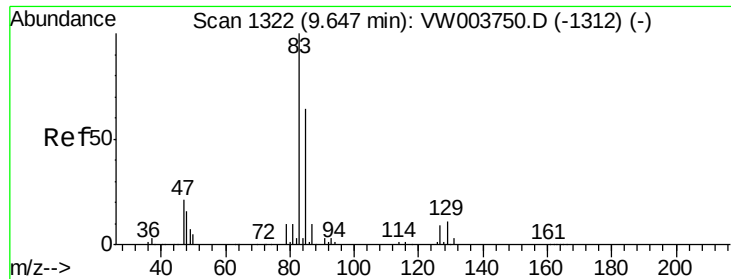
apatel
 7/16/2018 10:43:40 AM



#46
 Dibromomethane
 Concen: 19.78 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.8	67.2	100.8
174	99.0	78.1	117.1





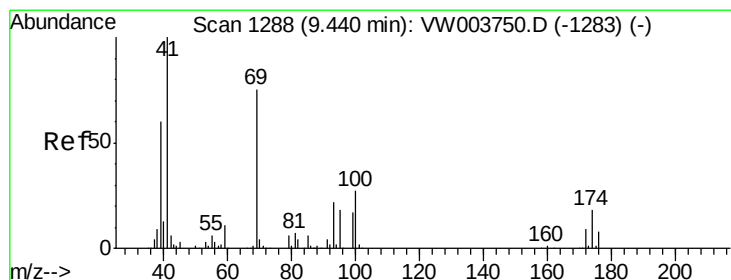
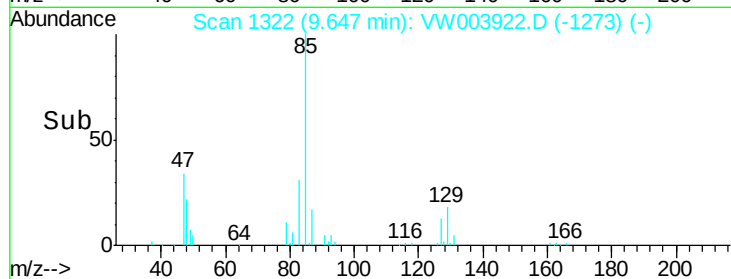
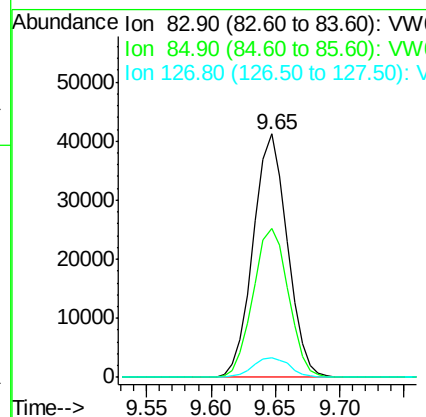
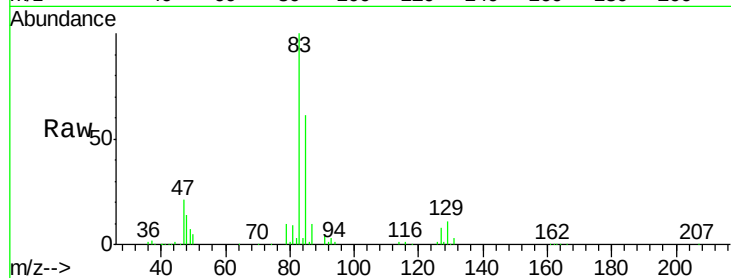
#47
 Bromodichloromethane
 Concen: 20.05 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	83	Resp	75541
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	51.4	77.0
127	7.8	6.8	10.2

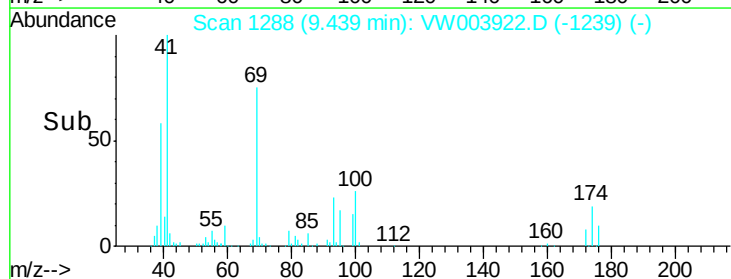
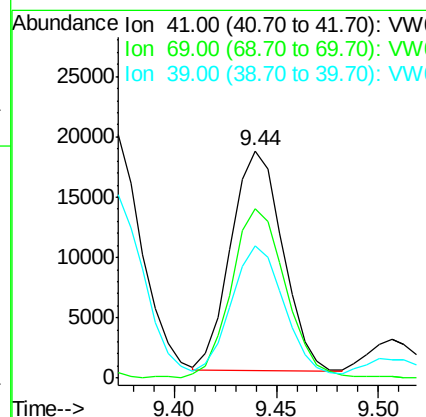
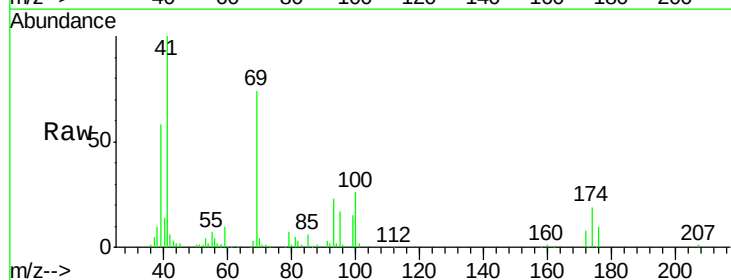
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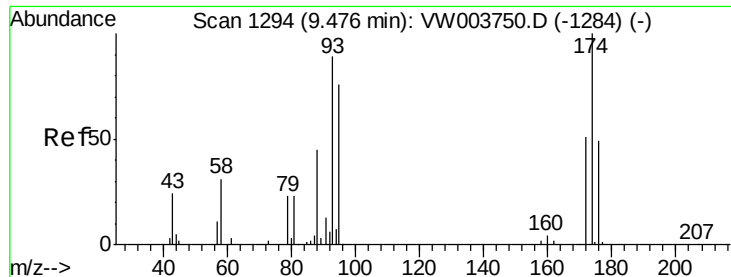
apatel
 7/16/2018 10:43:40 AM



#48
 Methyl methacrylate
 Concen: 18.72 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	41	Resp	32214
Ion Ratio	100	Lower	Upper
41	100		
69	81.4	63.8	95.8
39	57.7	50.2	75.2





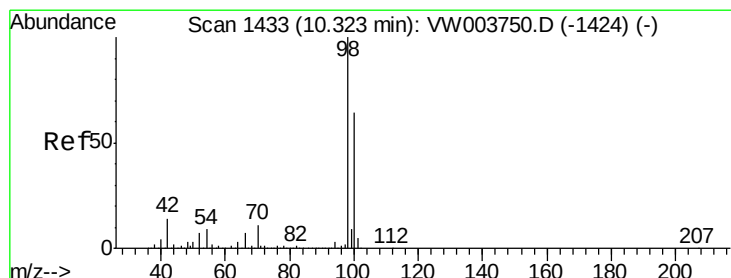
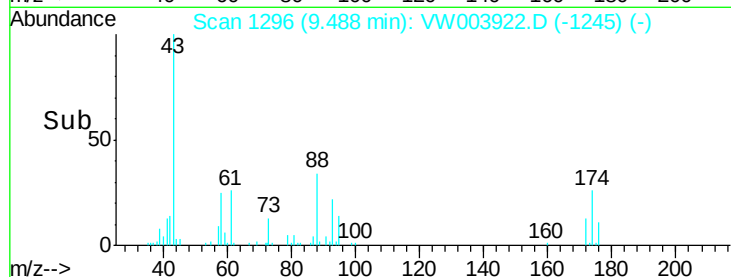
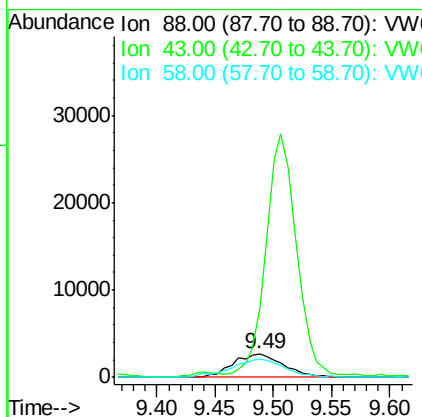
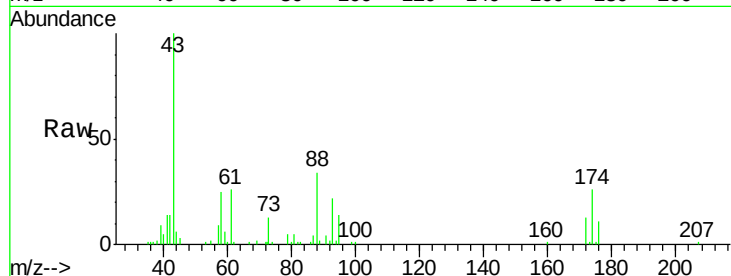
#49
1,4-Dioxane
Concen: 353.82 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	88	Resp	8097
Ion Ratio	Lower	Upper	
88	100		
43	635.3	0.0	0.0#
58	83.2	59.7	89.5

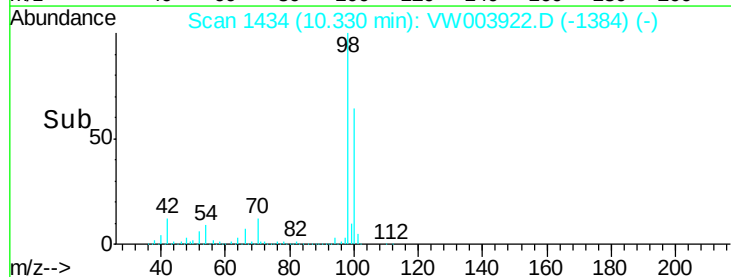
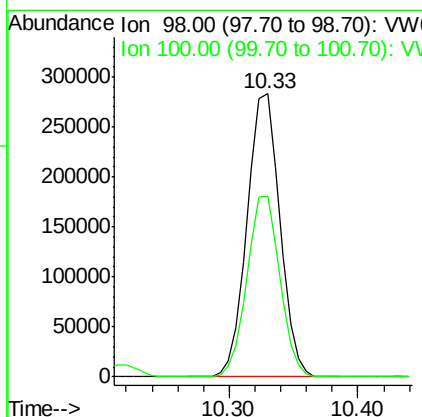
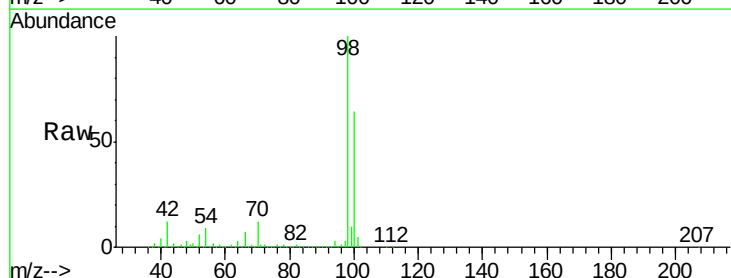
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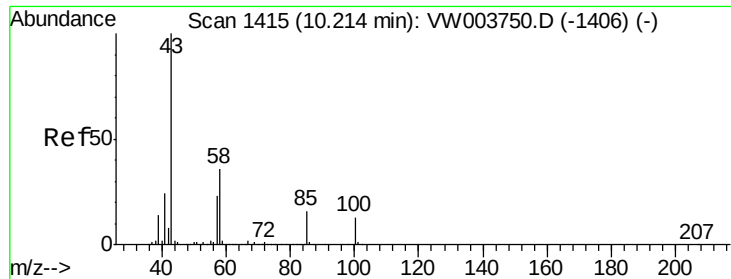
apatel
7/16/2018 10:43:40 AM



#50
Toluene-d8
Concen: 50.38 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	98	Resp	498015
Ion Ratio	Lower	Upper	
98	100		
100	63.8	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 92.31 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampled :

VW0713SBS01

Tot Ion: 43 Resp: 172566

Ion Ratio Lower Upper

43 100

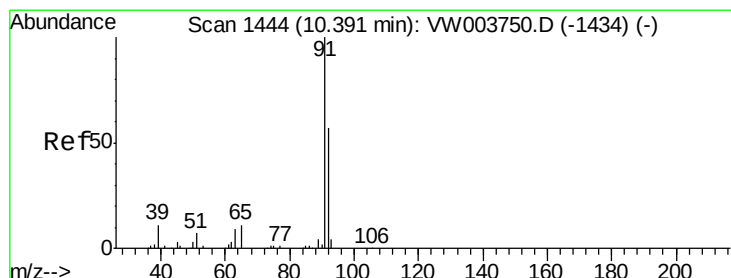
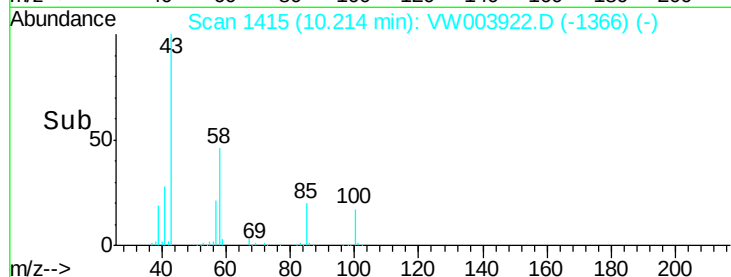
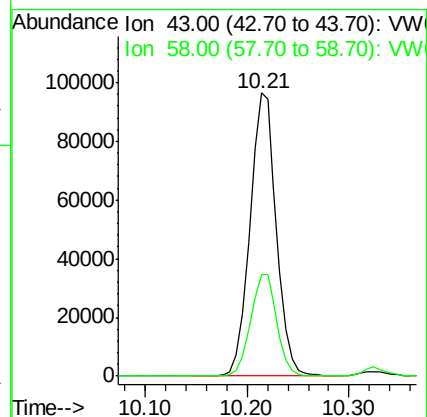
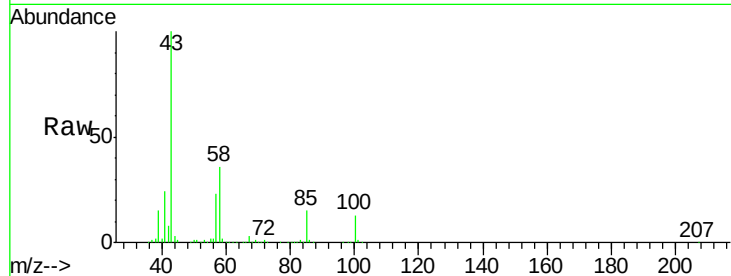
58 36.0 29.3 43.9

Manual Integrations

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#52

Toluene

Concen: 21.62 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003922.D

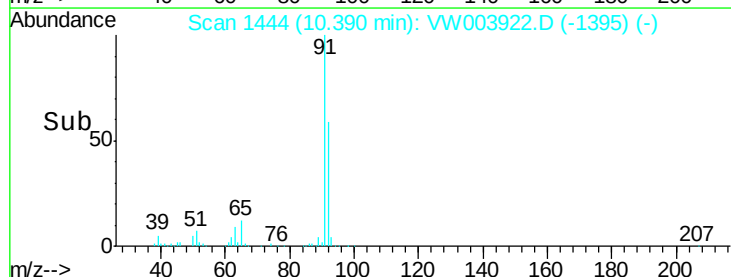
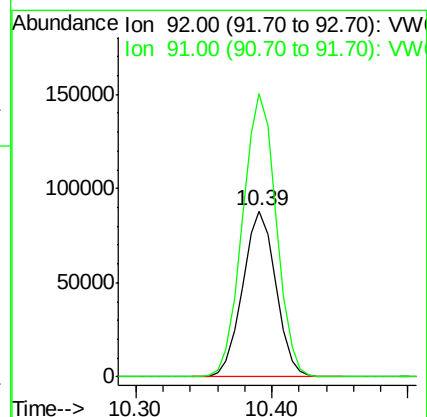
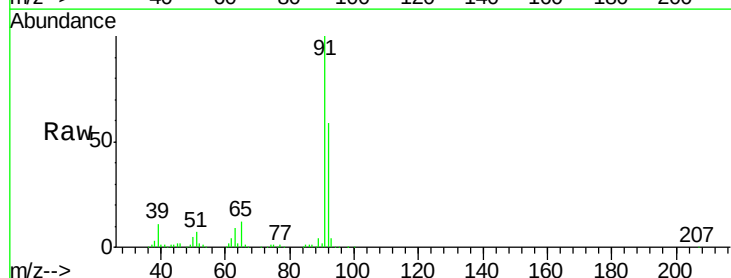
Acq: 13 Jul 2018 18:28

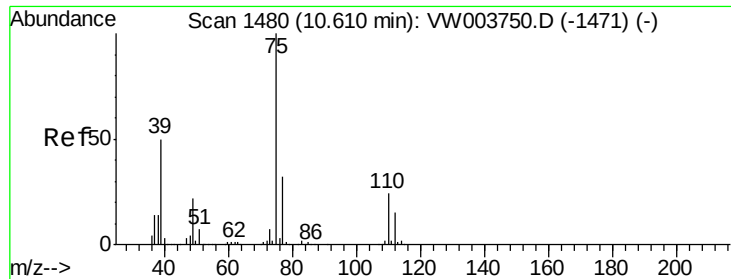
Tgt Ion: 92 Resp: 150124

Ion Ratio Lower Upper

92 100

91 173.2 140.6 211.0





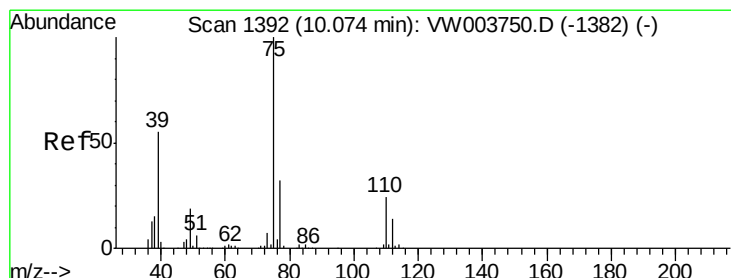
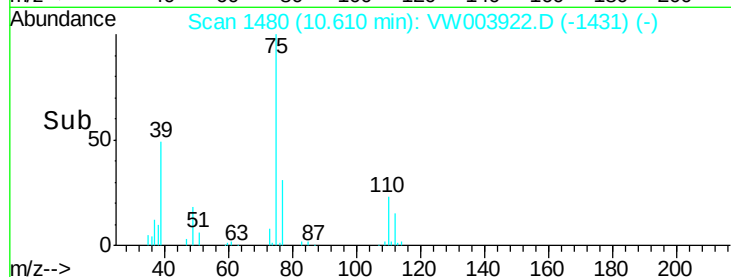
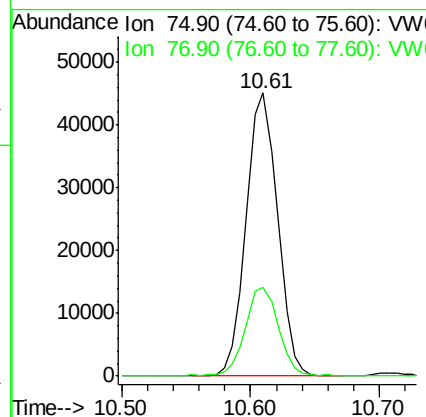
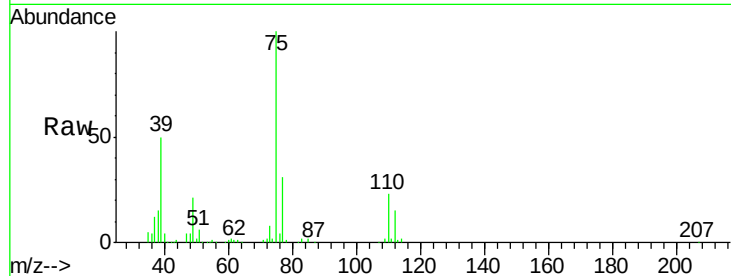
#53
 t-1,3-Dichloropropene
 Concen: 20.22 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampled :
 VW0713SBS01

Tot Ion: 75 Resp: 76067
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3

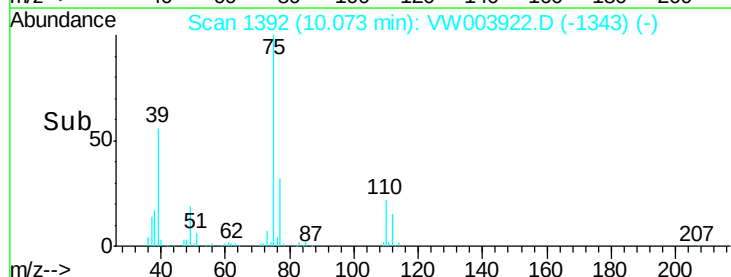
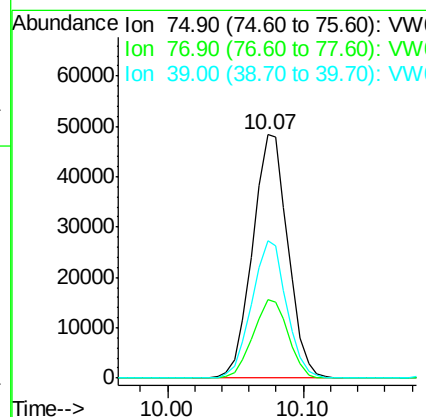
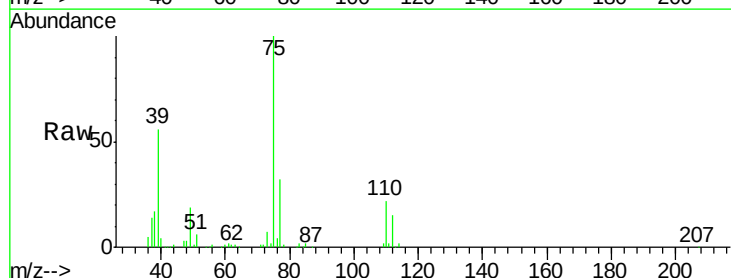
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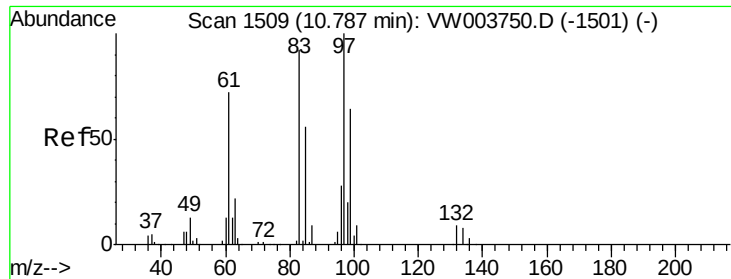
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#54
 cis-1,3-Dichloropropene
 Concen: 20.67 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion: 75 Resp: 87754
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 56.2 43.6 65.4





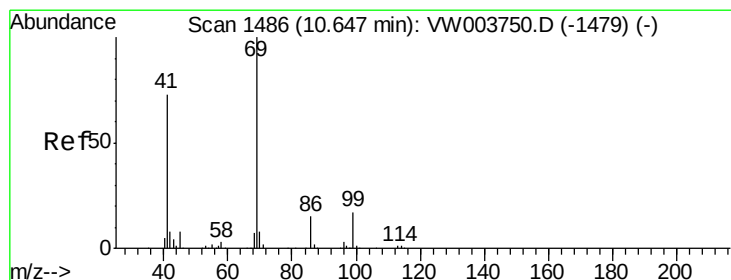
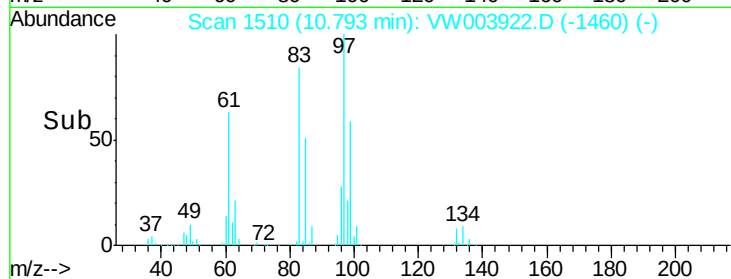
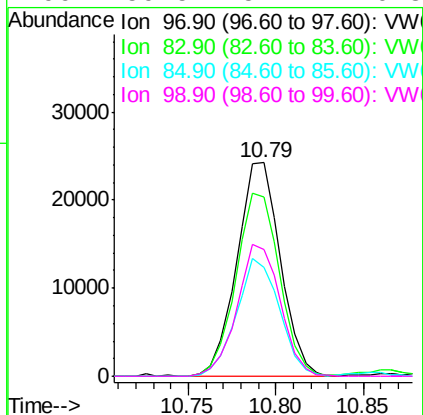
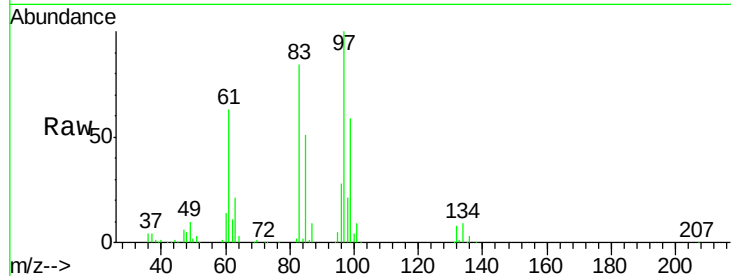
#55
 1,1,2-Trichloroethane
 Concen: 19.83 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.5	73.8	110.6
85	50.7	45.0	67.4
99	59.5	51.2	76.8

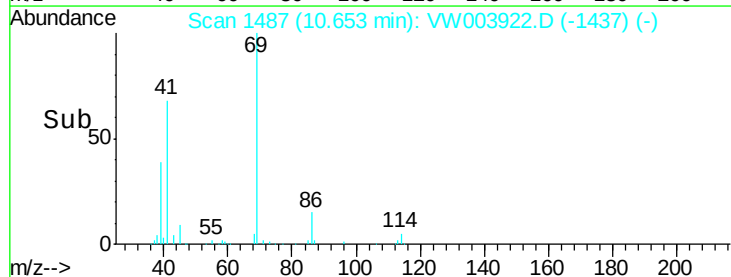
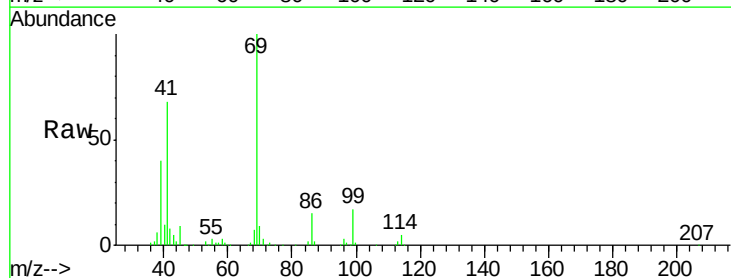
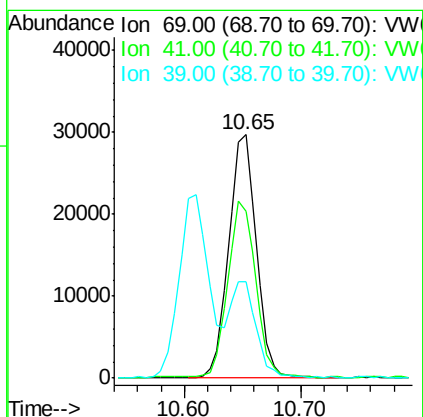
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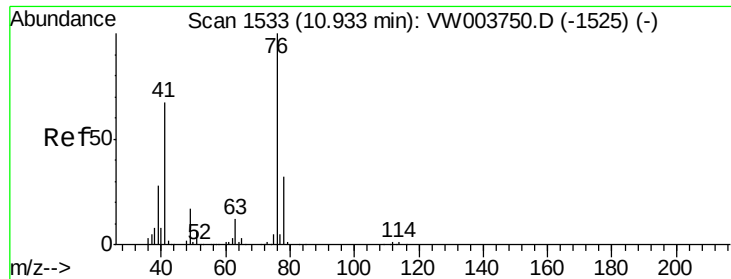
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#56
 Ethyl methacrylate
 Concen: 19.01 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.9	59.0	88.4
39	36.0	32.8	49.2





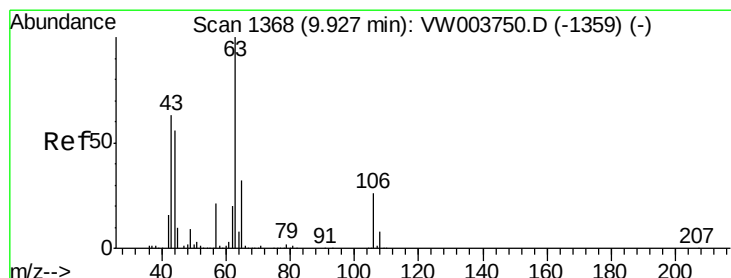
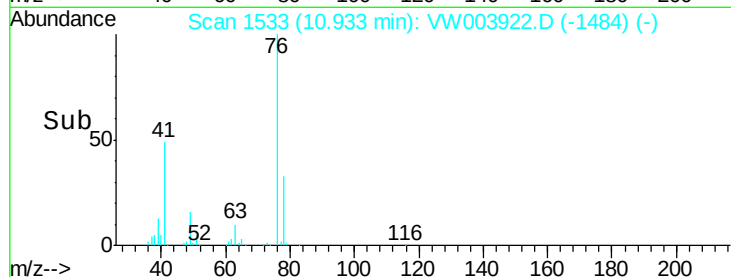
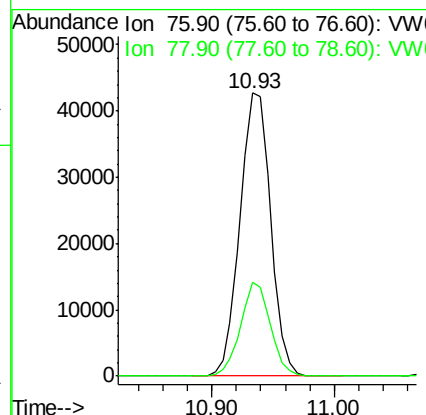
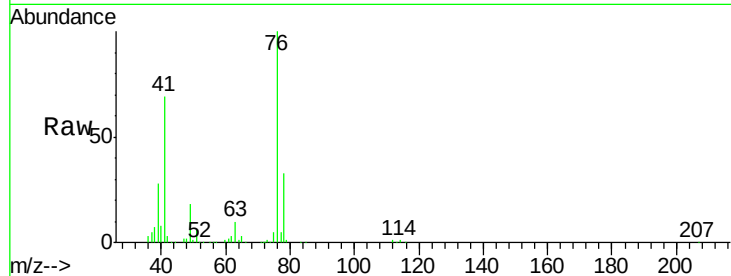
#57
 1,3-Dichloropropane
 Concen: 20.01 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion: 76 Resp: 74174
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

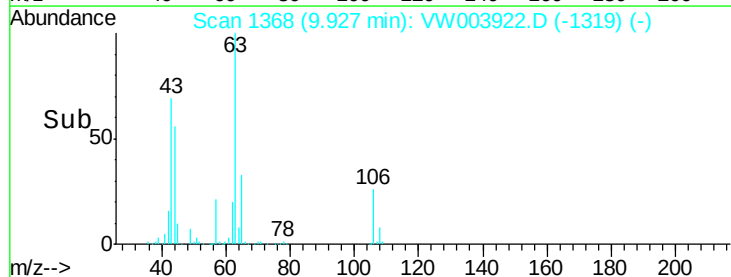
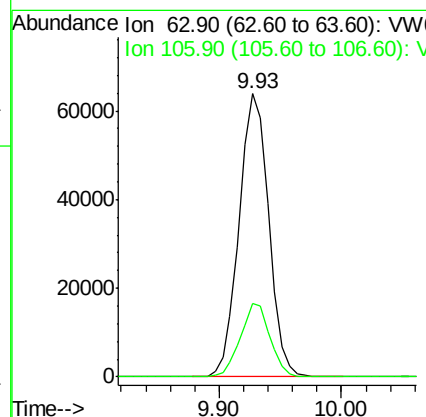
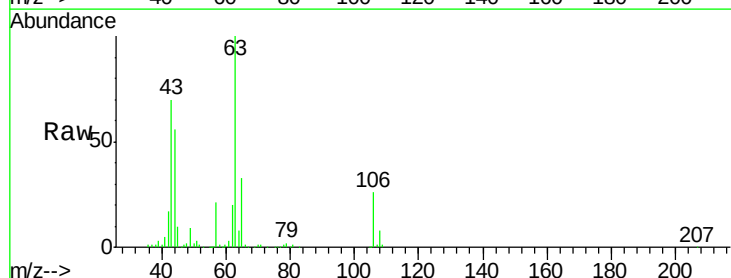
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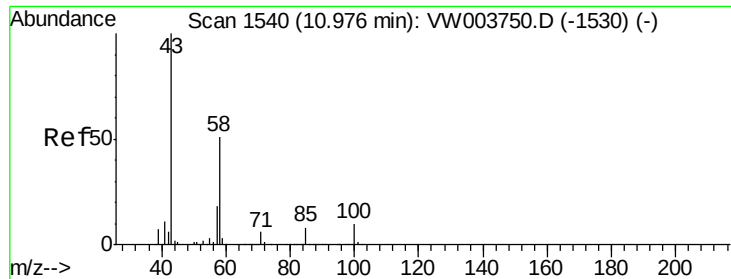
apatel
 7/16/2018 10:43:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.37 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion: 63 Resp: 107019
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.9 31.3





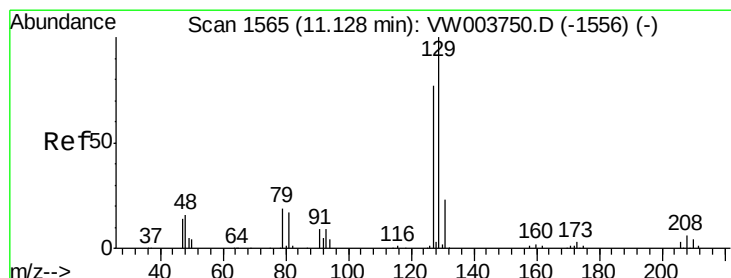
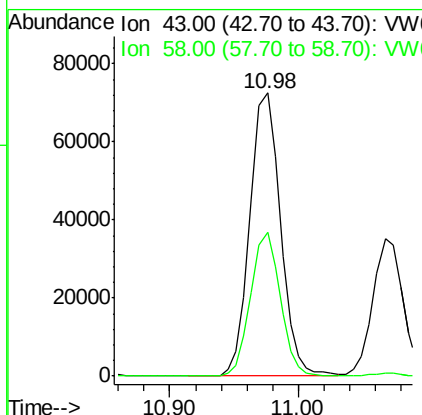
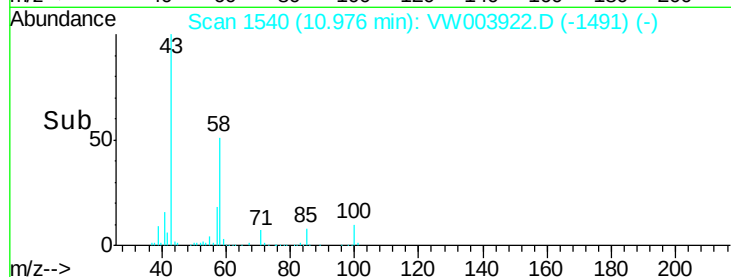
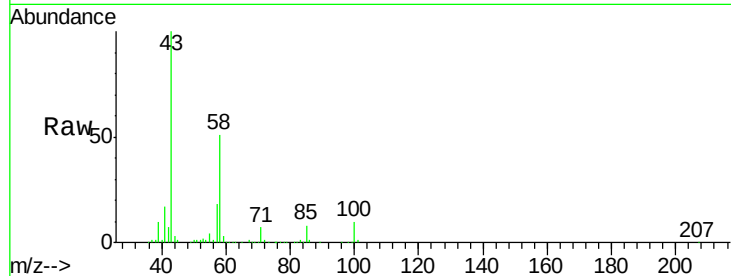
#59
2-Hexanone
Concen: 93.06 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion: 43 Resp: 119461
Ion Ratio Lower Upper
43 100
58 49.2 25.4 76.2

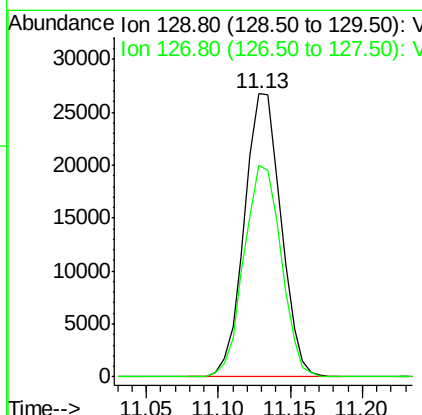
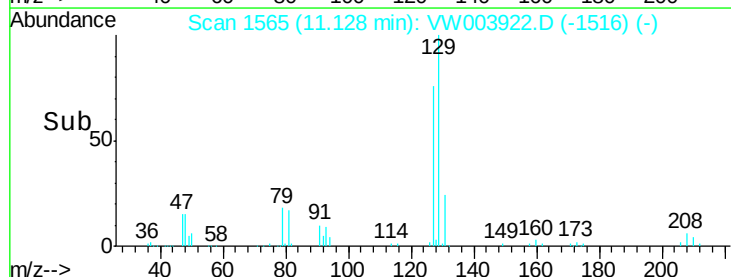
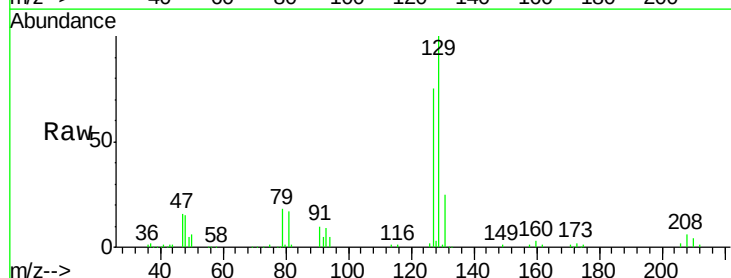
Manual Integrations
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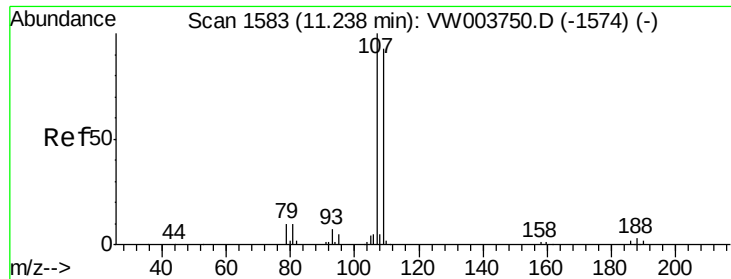
apatel
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#60
Dibromochloromethane
Concen: 18.97 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion:129 Resp: 47101
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.6





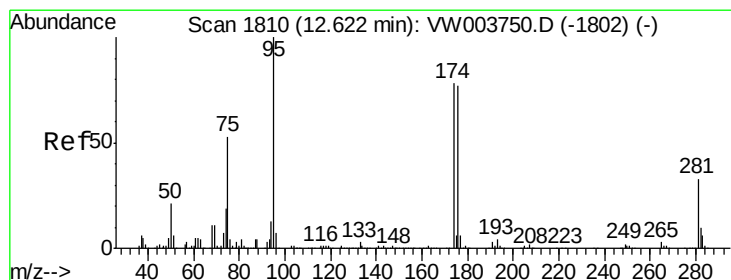
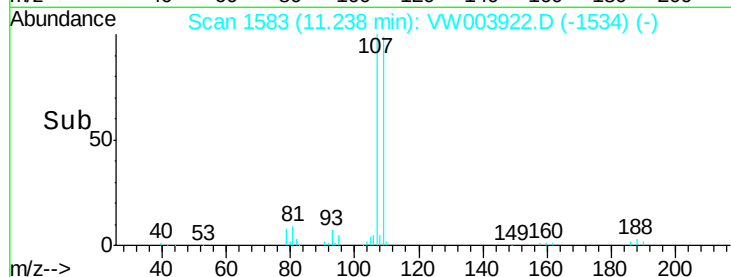
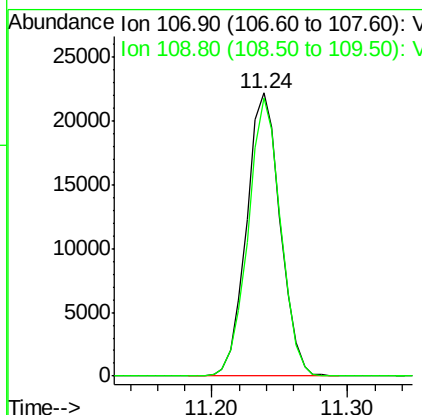
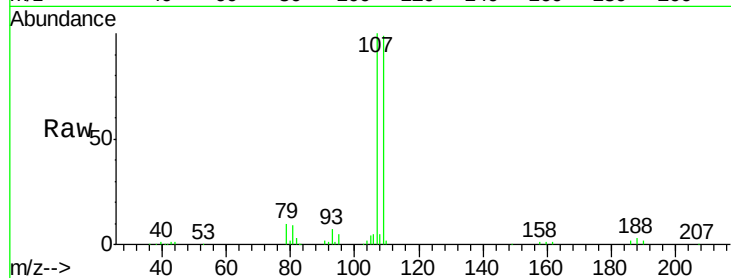
#61
 1,2-Dibromoethane
 Concen: 18.96 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion: 107 Resp: 38563
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.1 112.7

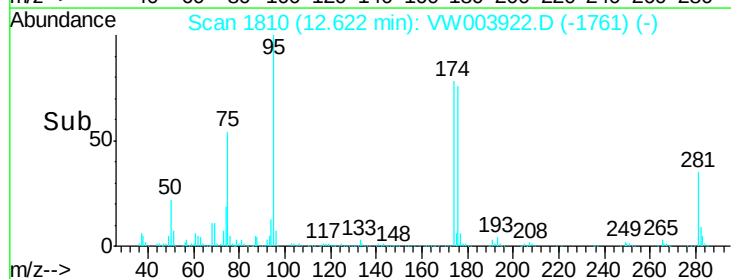
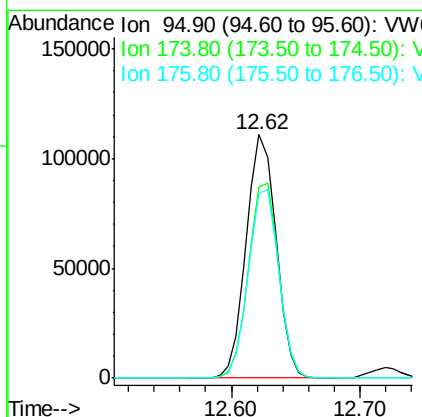
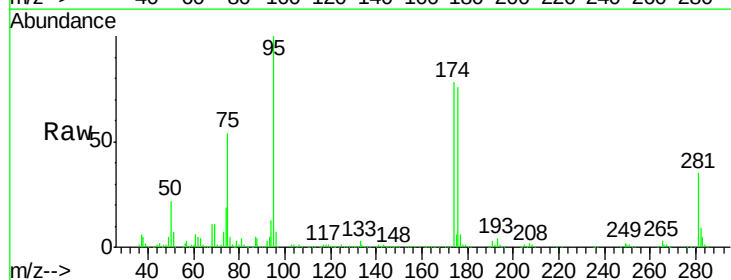
Manual Integrations
 APPROVED

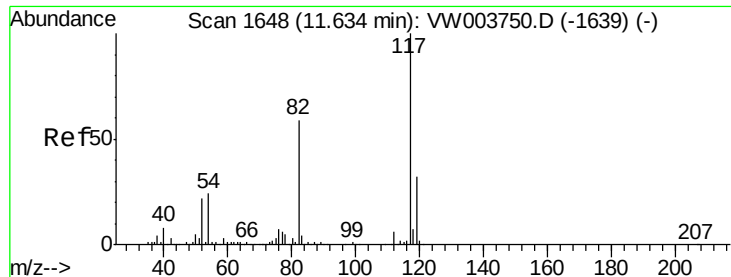
apatel
 7/16/2018 10:43:40 AM



#62
 4-Bromofluorobenzene
 Concen: 49.74 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion: 95 Resp: 177882
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 163.4
 176 78.6 0.0 156.8





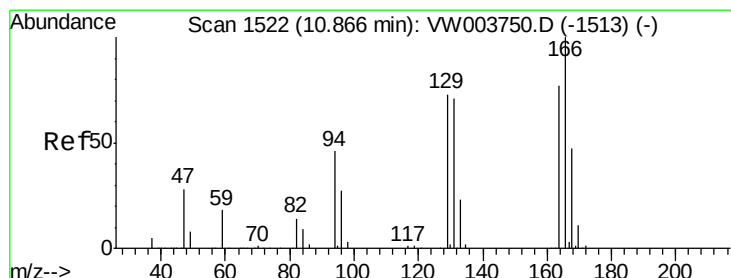
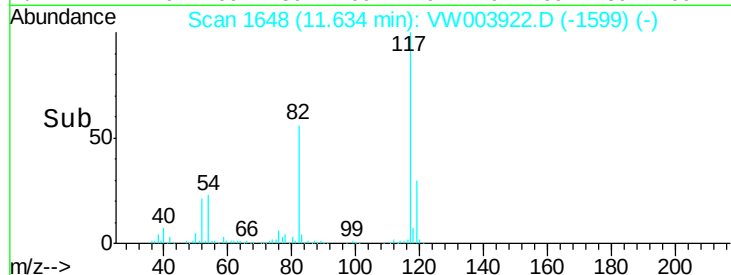
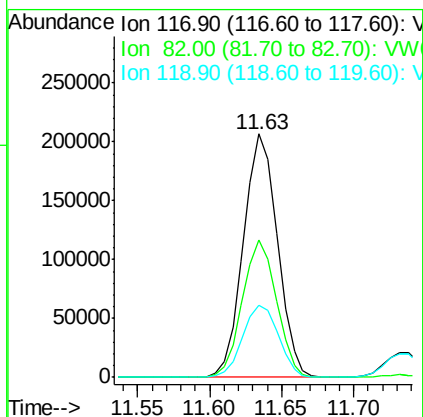
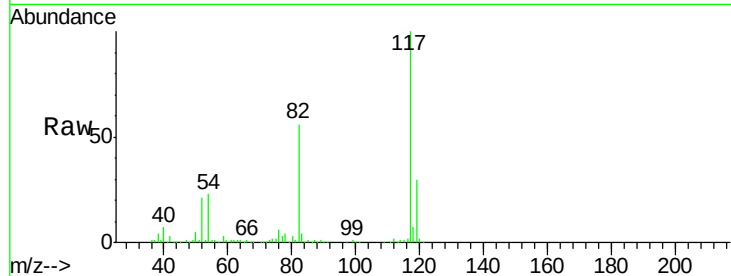
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	337903		
82	56.4	46.9	70.3	
119	29.7	25.5	38.3	

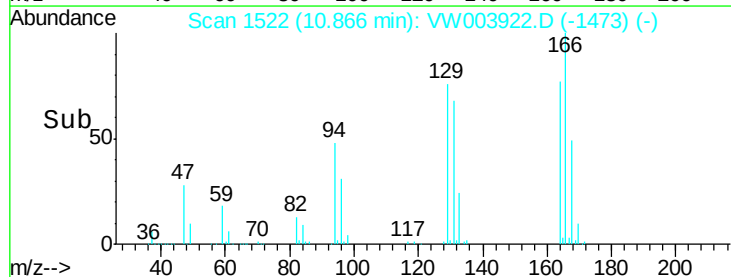
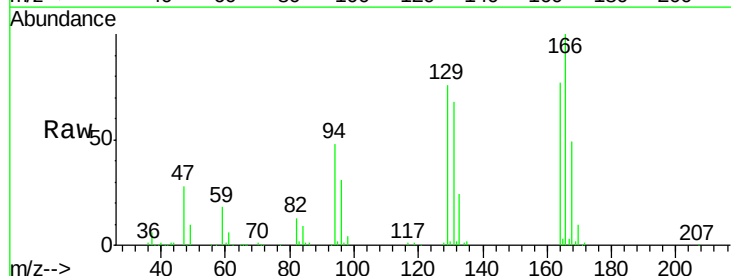
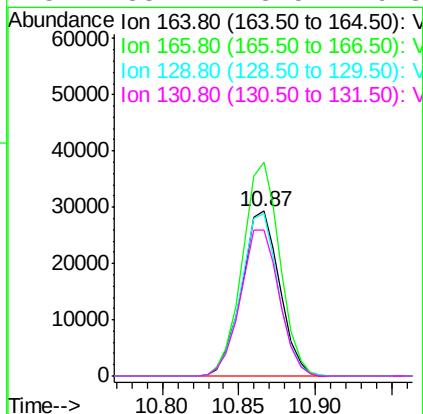
Manual Integrations
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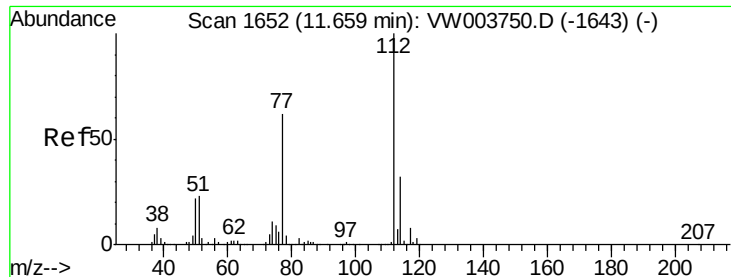
apatel
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#64
Tetrachloroethene
Concen: 20.25 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50612		
166	129.4	104.2	156.4	
129	98.4	75.8	113.8	
131	88.2	73.5	110.3	





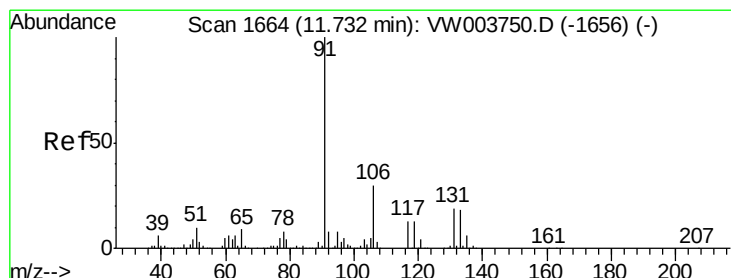
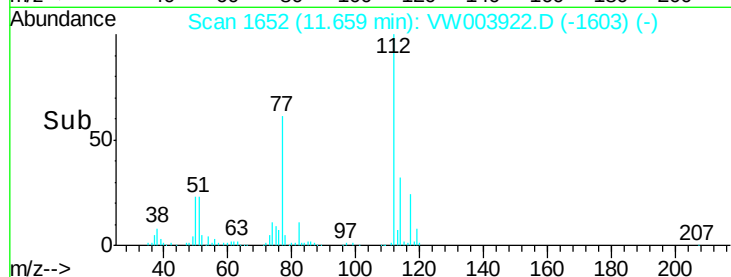
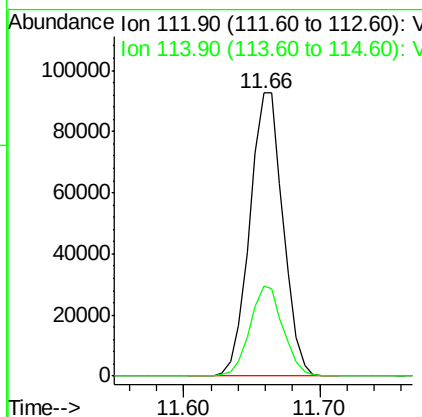
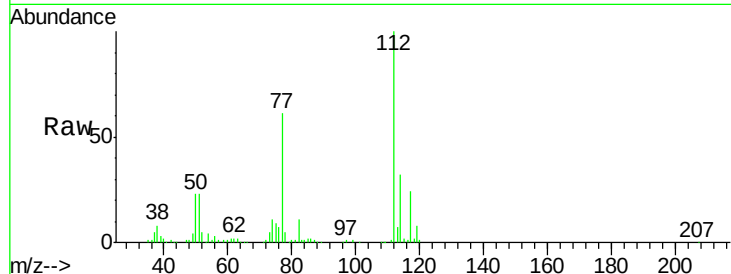
#65
Chlorobenzene
Concen: 21.37 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion:112 Resp: 159170
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

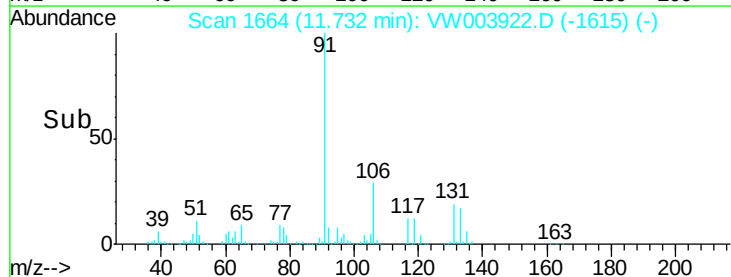
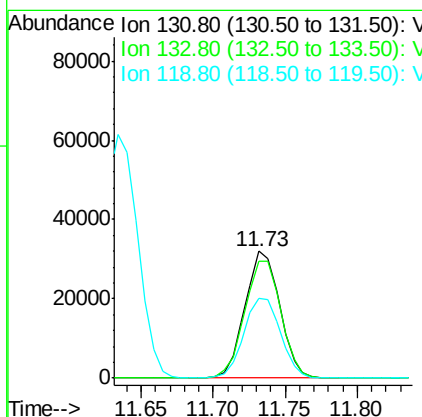
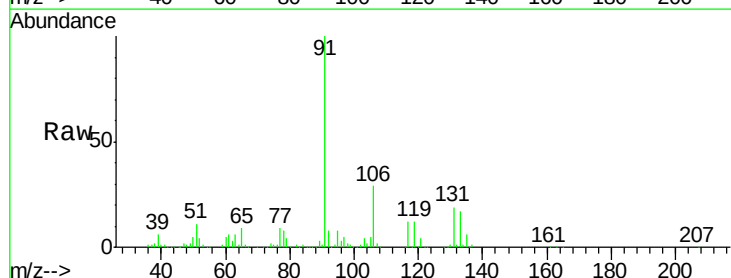
Manual Integrations
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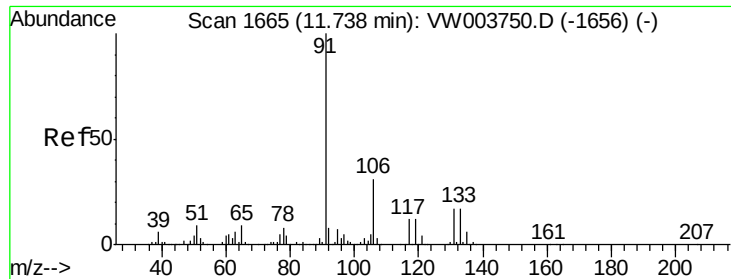
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.65 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion:131 Resp: 53748
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.2
119 65.9 33.2 99.6





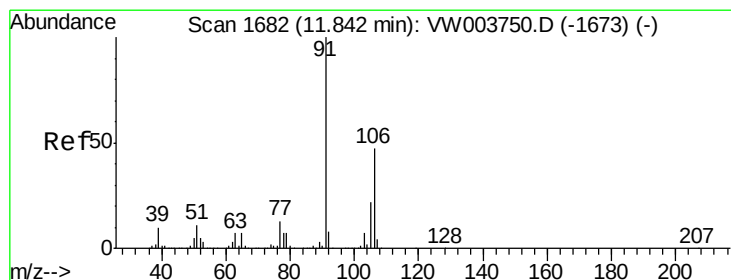
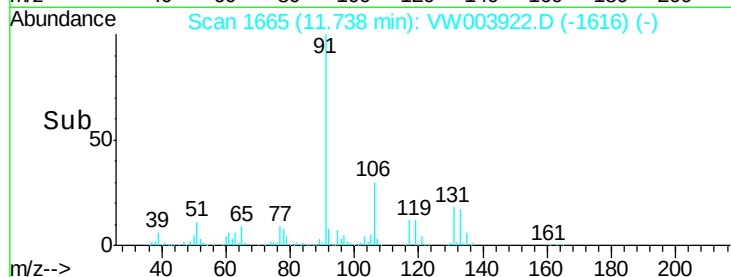
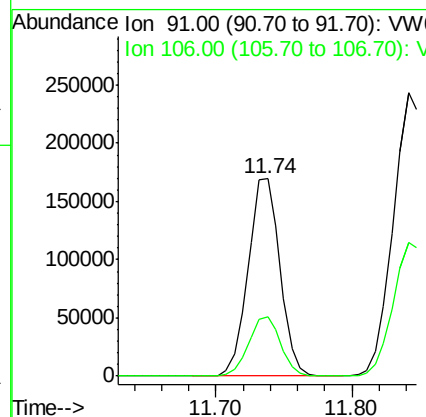
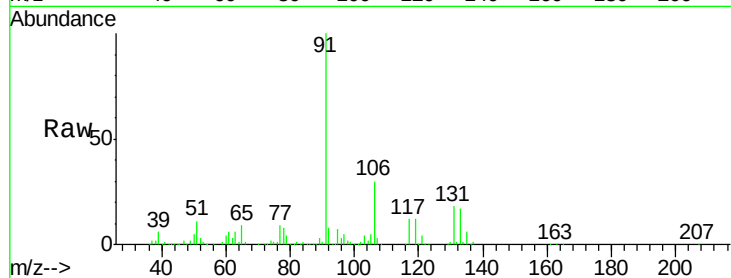
#67
Ethyl Benzene
Concen: 21.86 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion: 91 Resp: 278480
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

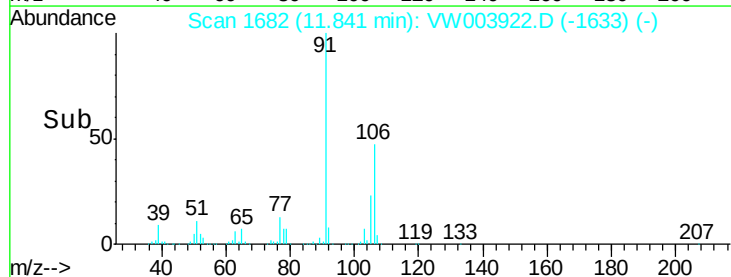
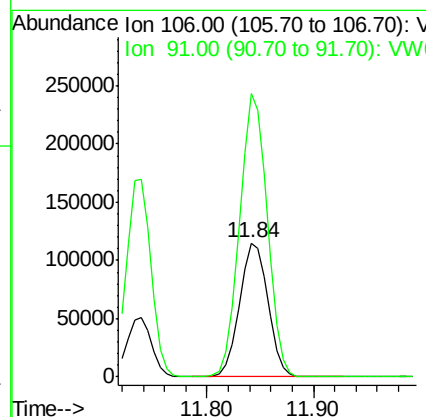
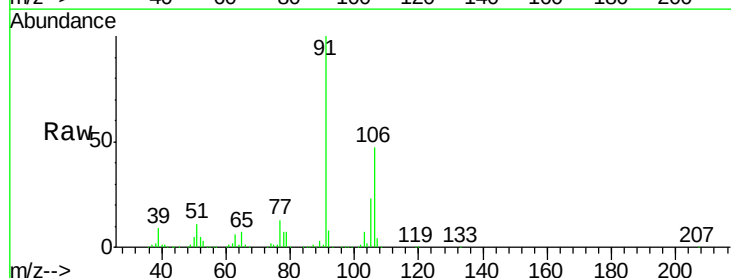
Manual Integrations
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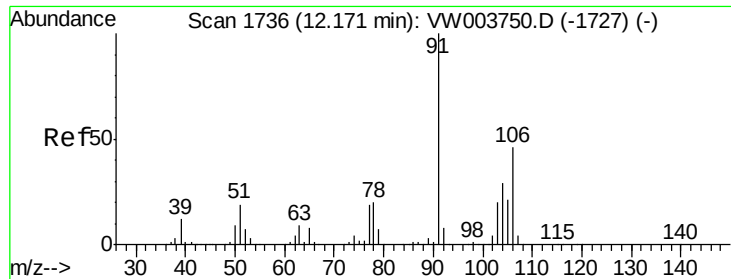
apatel
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#68
m/p-Xylenes
Concen: 44.23 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion: 106 Resp: 215710
Ion Ratio Lower Upper
106 100
91 206.4 164.3 246.5





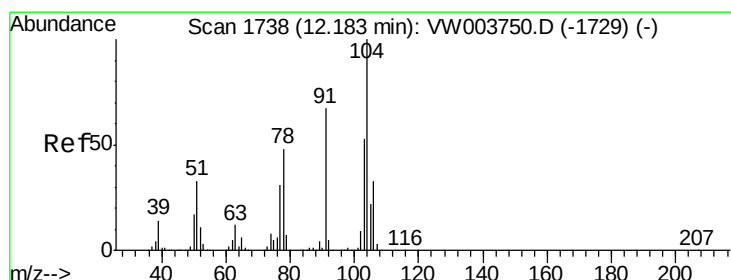
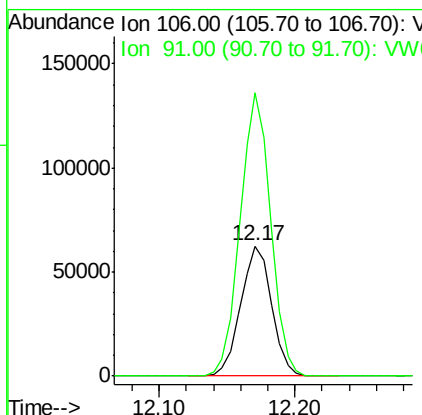
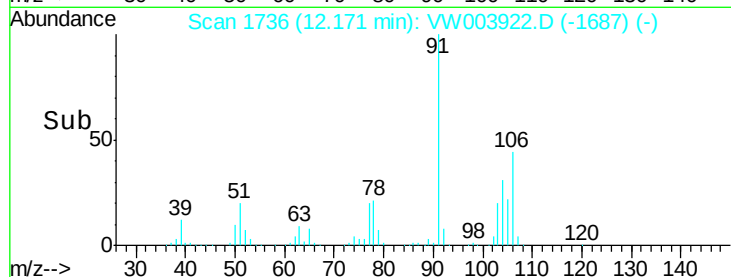
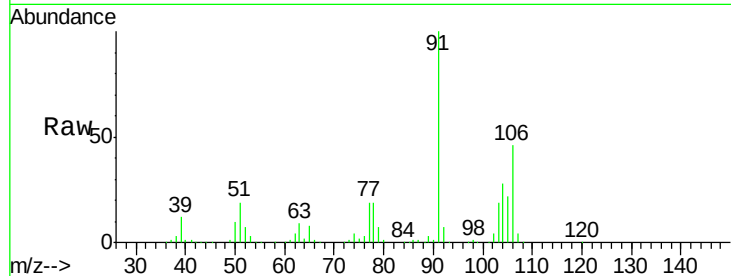
#69
o-Xylene
Concen: 22.02 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampled :
VW0713SBS01

Tot Ion:106 Resp: 99087
Ion Ratio Lower Upper
106 100
91 214.8 109.1 327.2

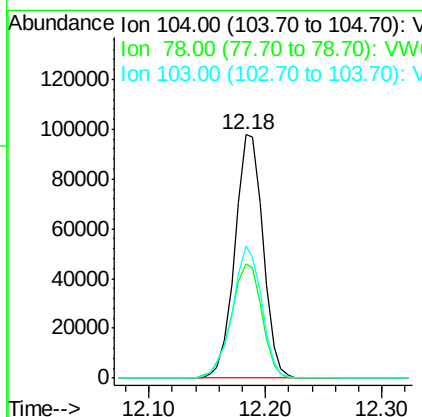
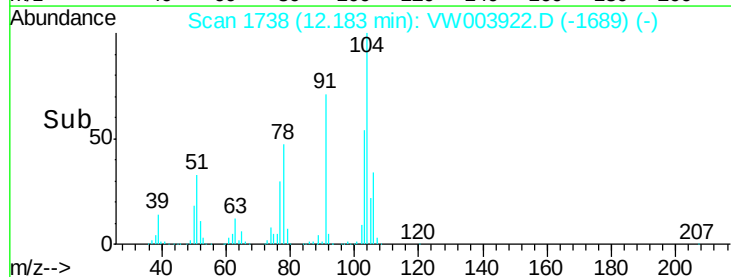
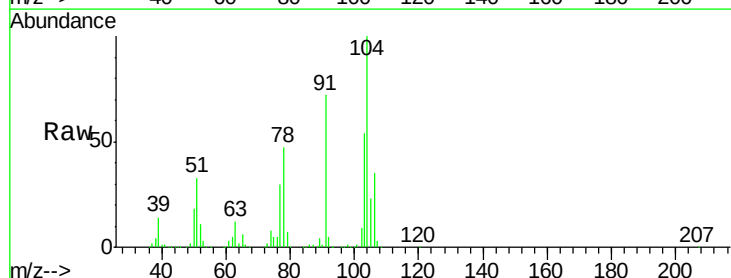
Manual Integrations
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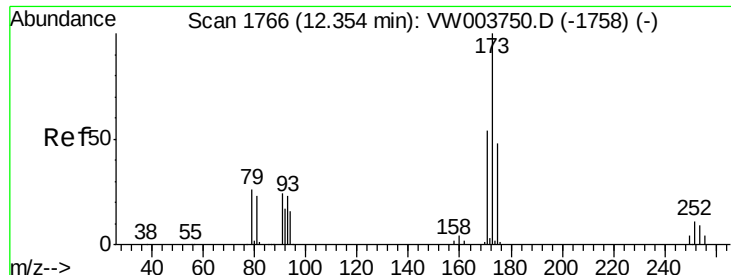
apatel
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#70
Styrene
Concen: 21.57 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion:104 Resp: 165049
Ion Ratio Lower Upper
104 100
78 51.3 41.1 61.7
103 55.8 44.6 67.0





#71

Bromoform

Concen: 19.26 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

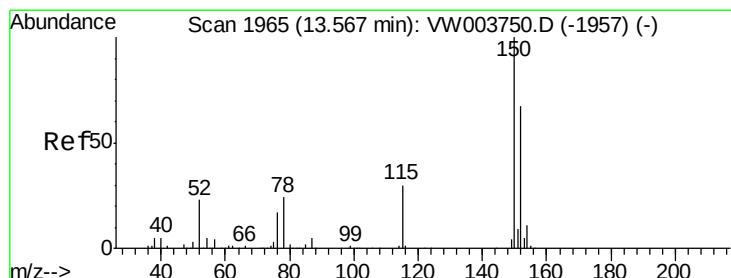
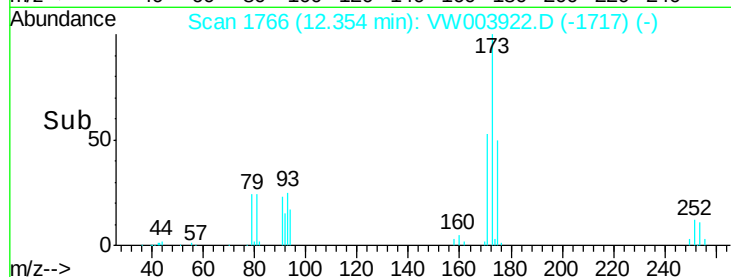
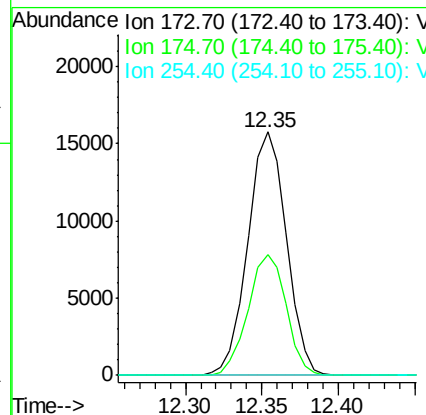
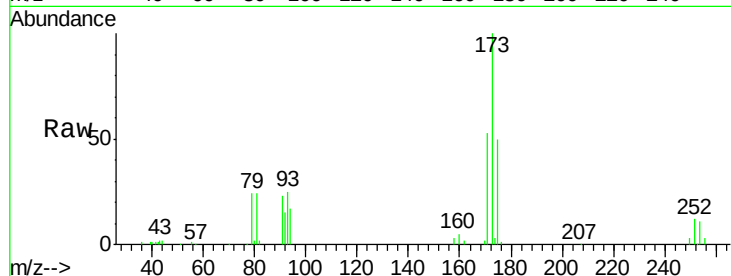
ClientSampleId :

VW0713SBS01

Tot Ion:	173	Resp:	27671
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

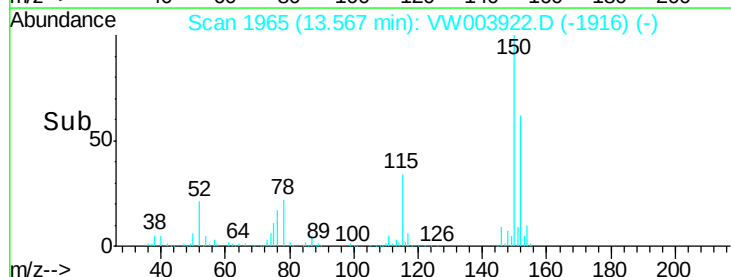
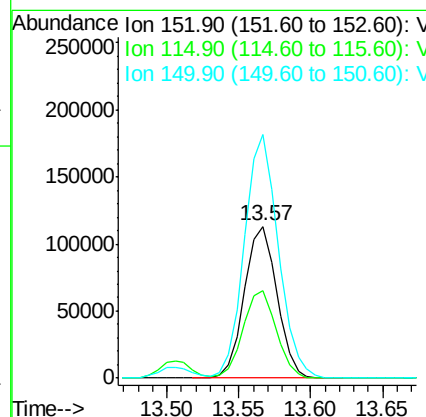
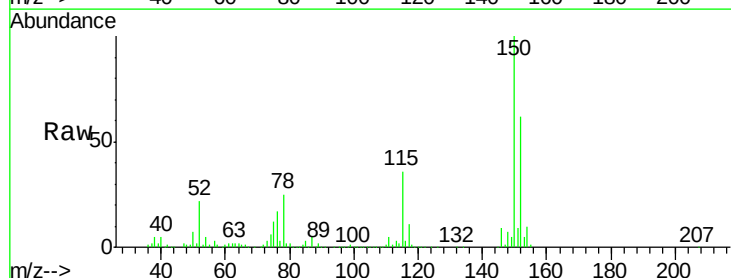
RT: 13.57 min Scan# 1965

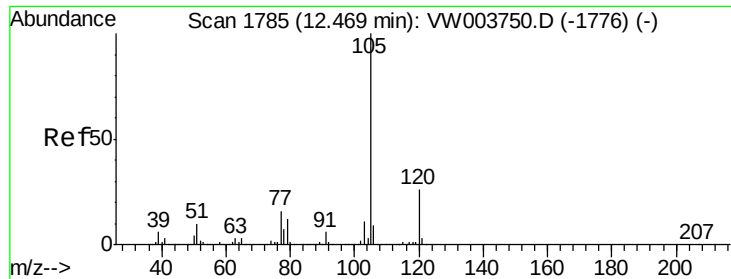
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion:	152	Resp:	178011
Ion Ratio	Lower	Upper	
152	100		
115	59.0	28.9	86.8
150	166.2	0.0	342.4





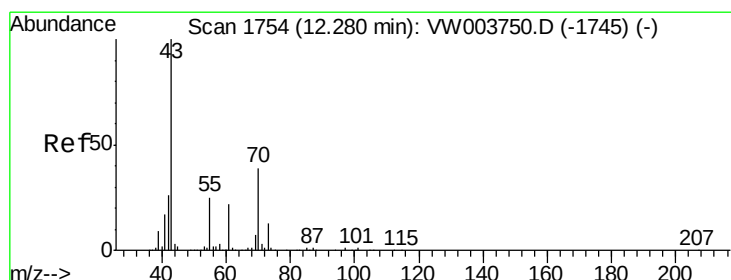
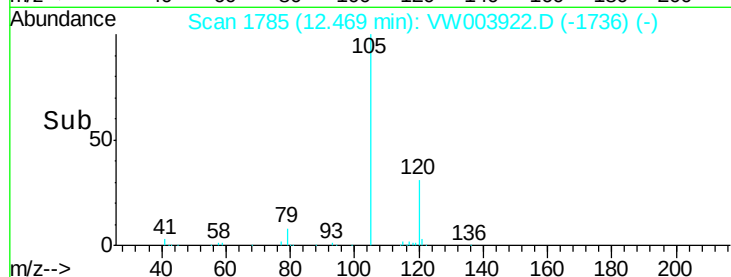
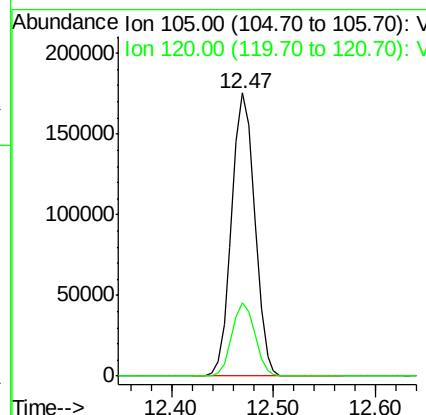
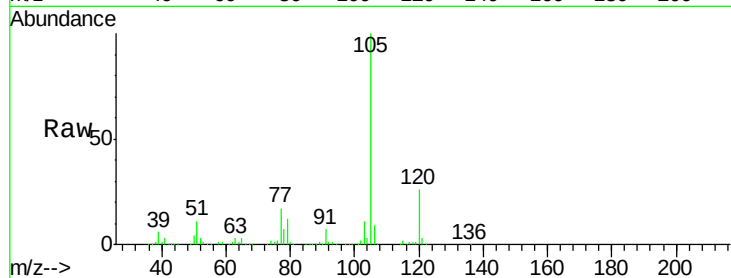
#73
Isopropylbenzene
Concen: 22.89 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.1	39.3

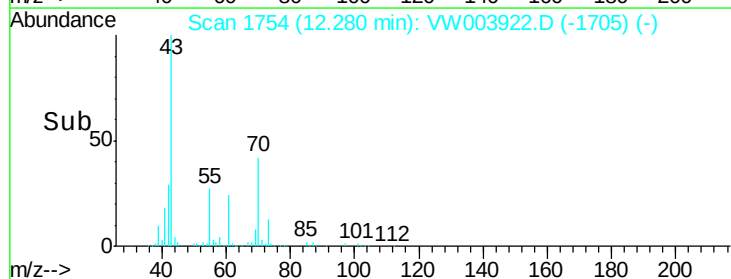
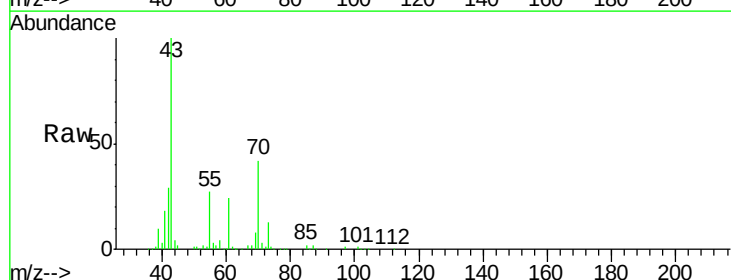
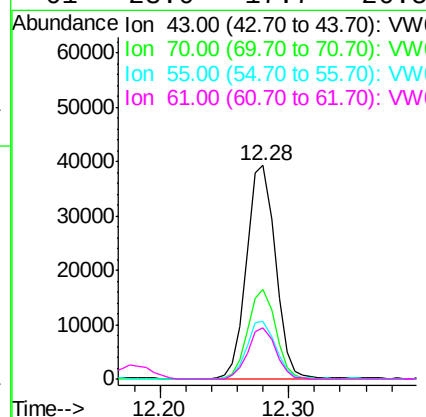
Manual Integrations
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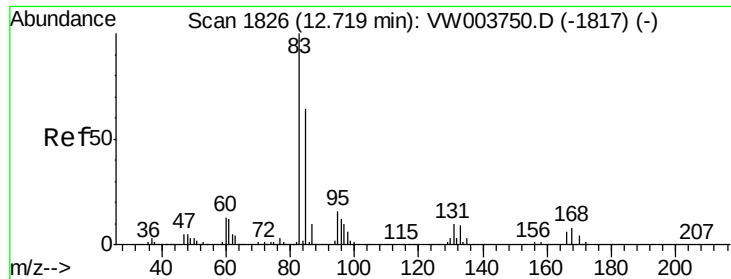
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#74
N-ethyl acetate
Concen: 18.69 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.3	31.3	46.9
55	27.4	20.1	30.1
61	23.0	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.77 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

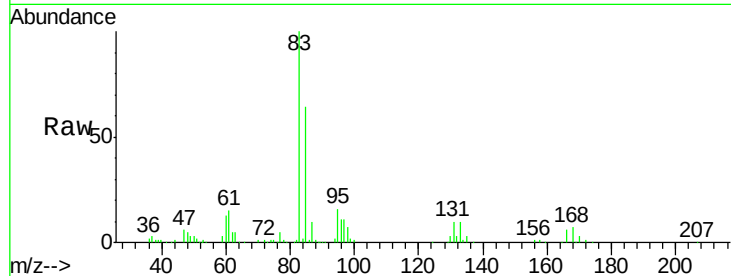
ClientSampleId :

VW0713SBS01

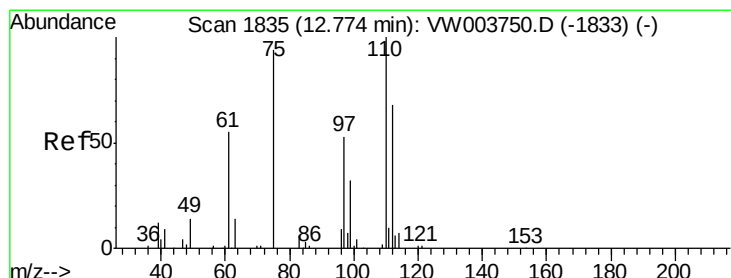
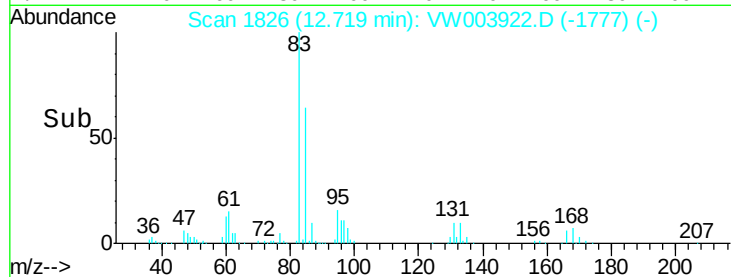
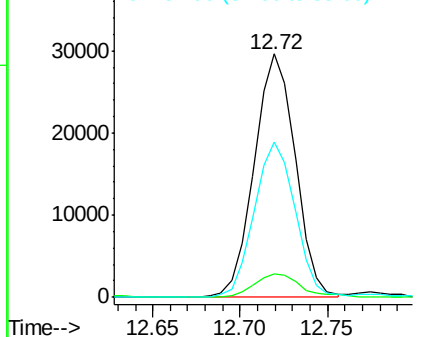
Tot Ion:	83	Resp:	48327
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.1	15.4
85	63.6	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 18.59 ug/l m

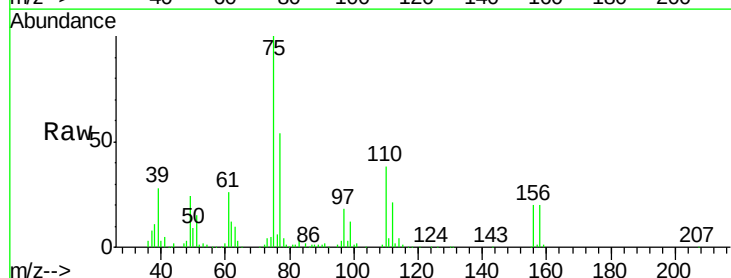
RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

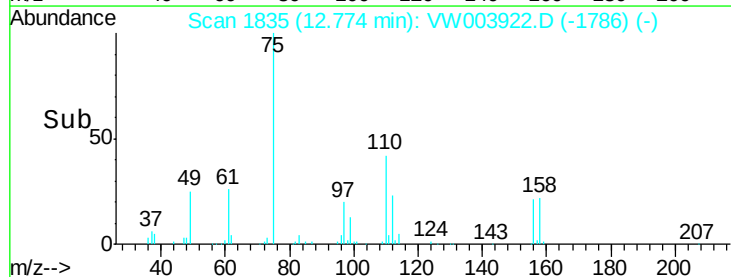
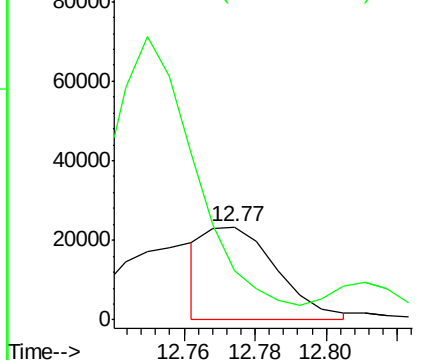
Lab File: VW003922.D

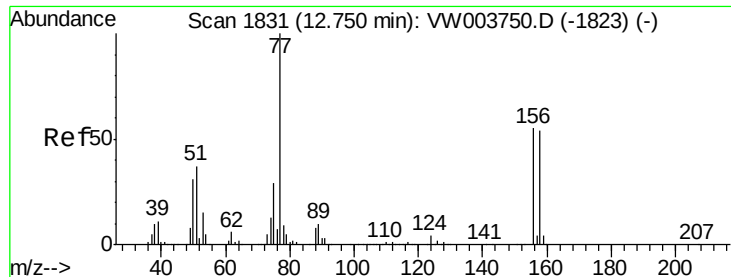
Acq: 13 Jul 2018 18:28

Tgt Ion:	75	Resp:	32501
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.48 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

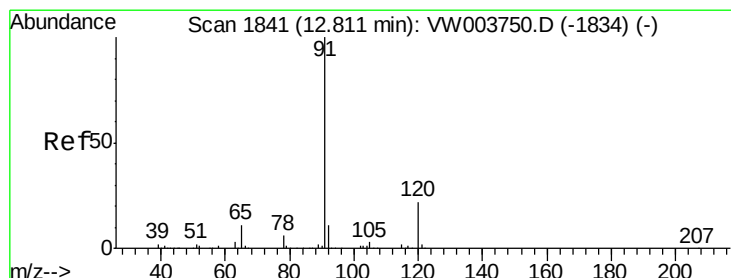
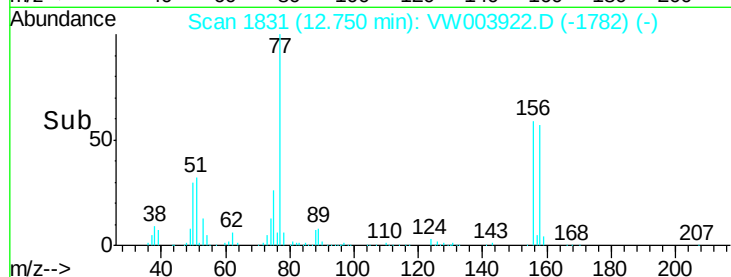
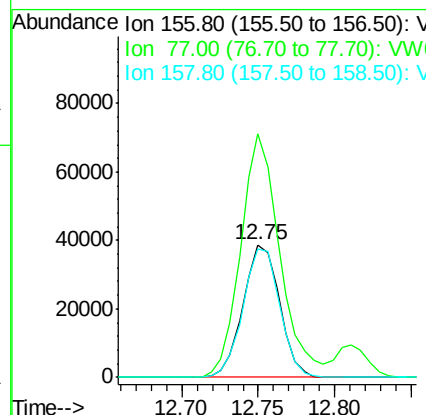
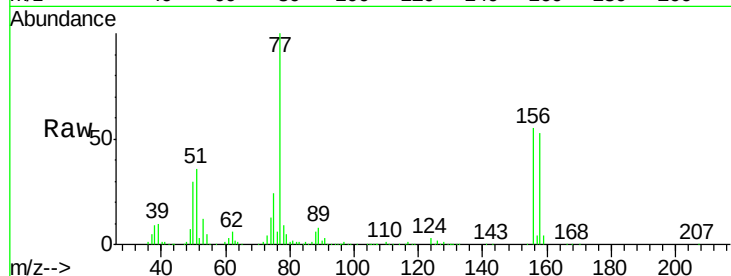
ClientSampleId :

VW0713SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	195.5	98.7	296.0	
158	98.0	49.0	147.0	

Manual Integrations
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apatel
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#78

n-propylbenzene

Concen: 22.96 ug/l

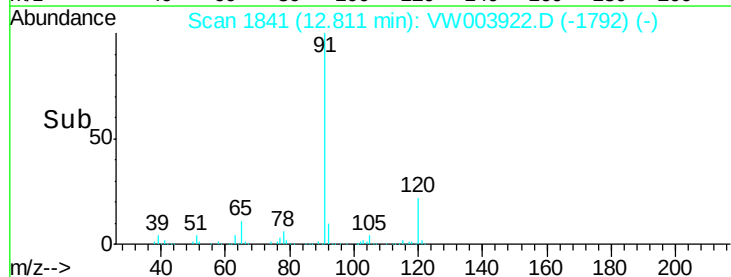
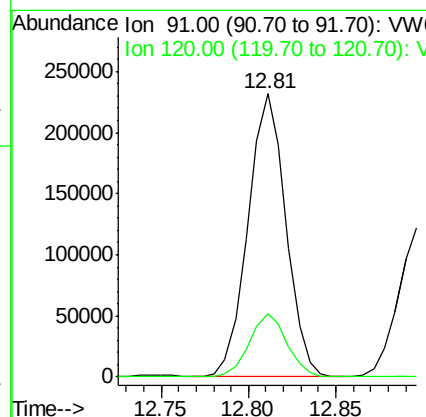
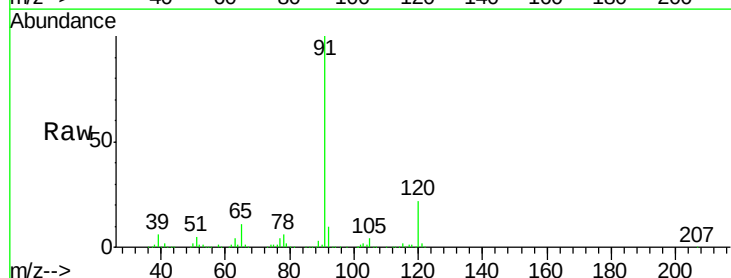
RT: 12.81 min Scan# 1841

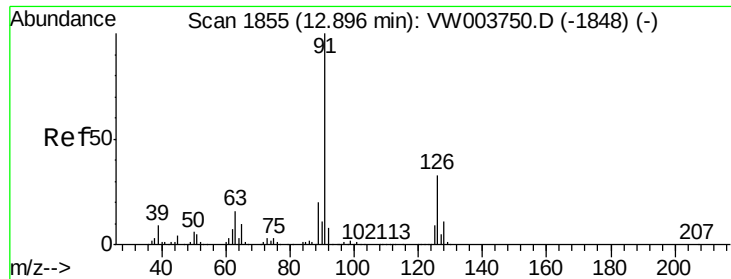
Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.2	33.6	





#79

2-Chlorotoluene

Concen: 22.48 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003922.D

Acq: 13 Jul 2018 18:28

Instrument :

MSVOA_W

ClientSampleId :

VW0713SBS01

Tot Ion: 91 Resp: 195449

Ion Ratio Lower Upper

91 100

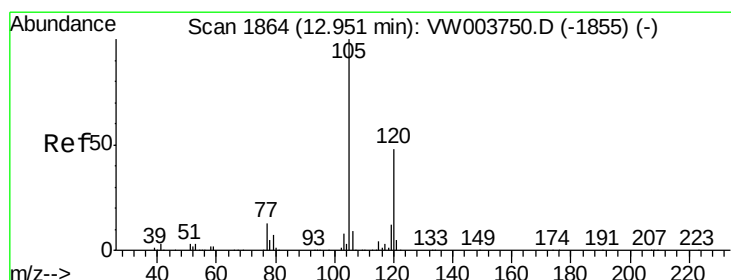
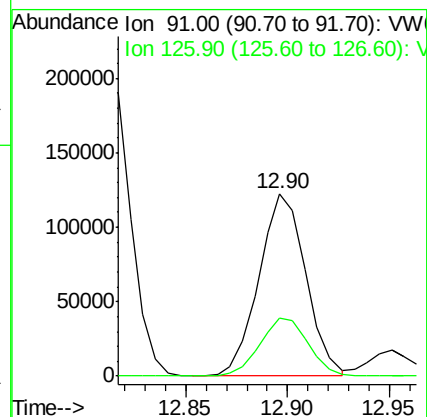
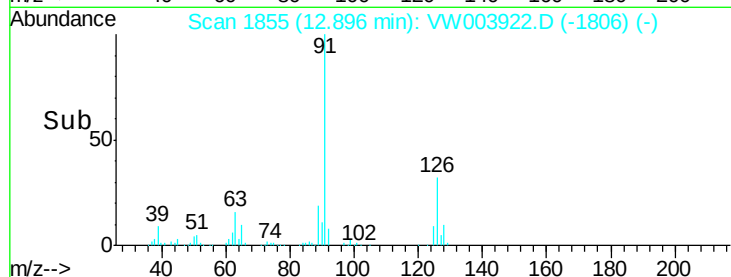
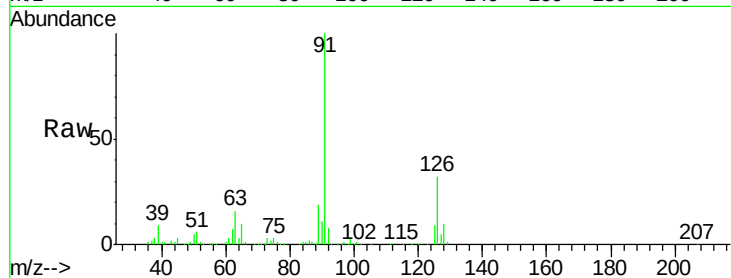
126 32.9 17.0 51.0

Manual Integrations

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apatel

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#80

1,3,5-Trimethylbenzene

Concen: 22.84 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003922.D

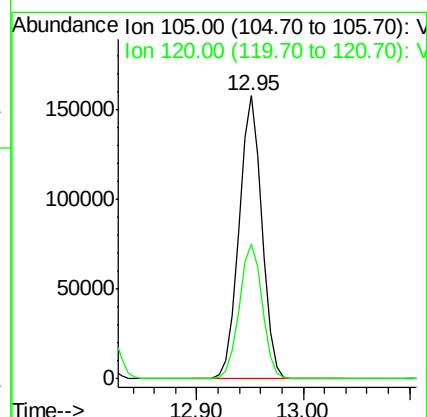
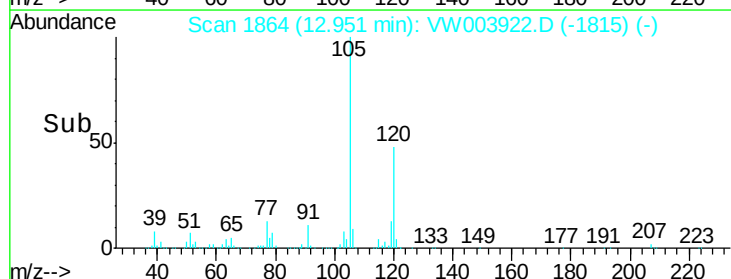
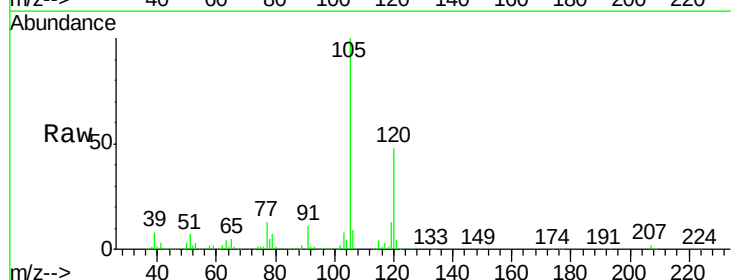
Acq: 13 Jul 2018 18:28

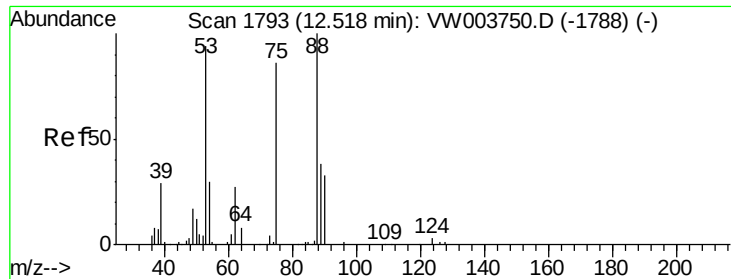
Tgt Ion:105 Resp: 237305

Ion Ratio Lower Upper

105 100

120 48.0 24.2 72.6





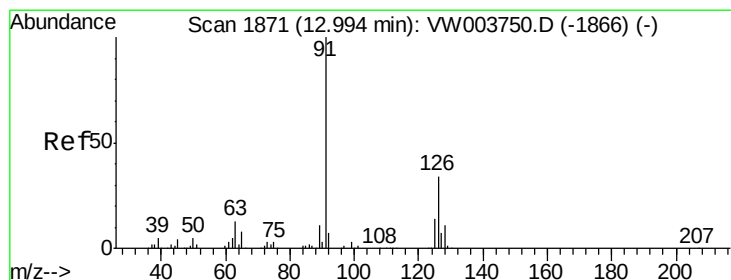
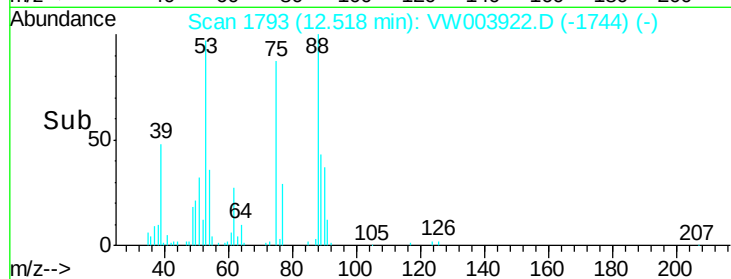
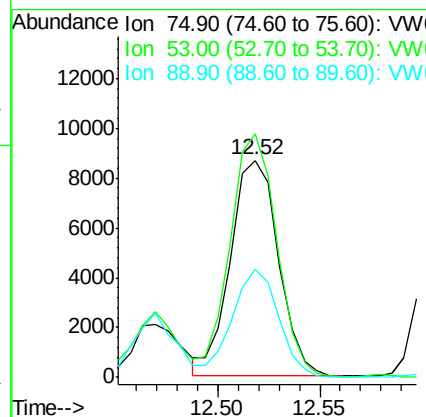
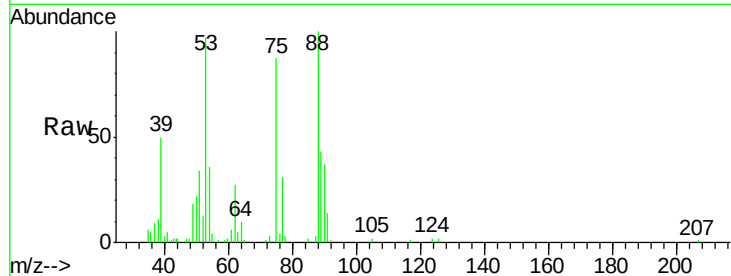
#81
trans-1,4-Dichloro-2-butene
Concen: 19.78 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.7	85.0	127.6
89	47.9	36.3	54.5

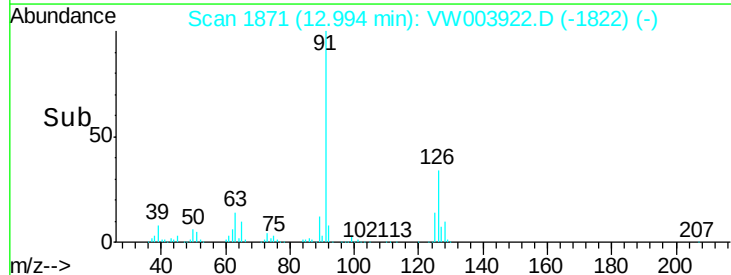
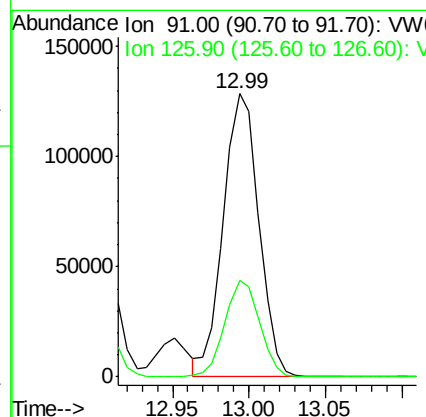
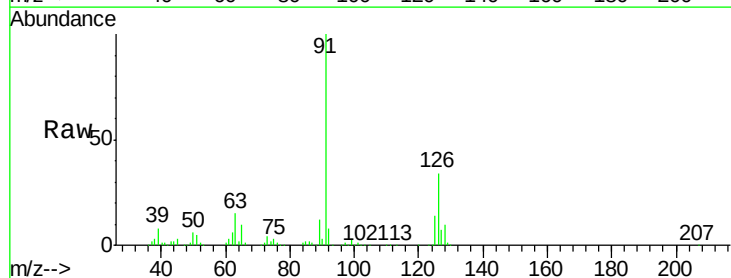
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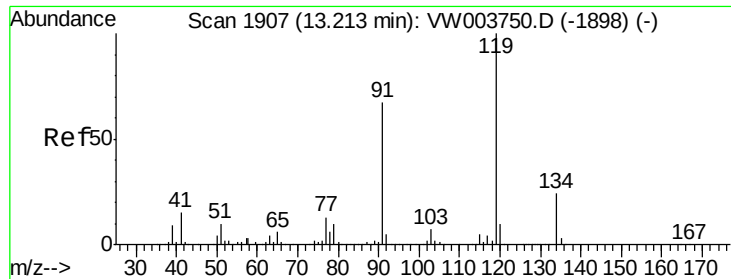
apatel
7/16/2018 10:43:40 AM



#82
4-Chlorotoluene
Concen: 22.10 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.5	49.5





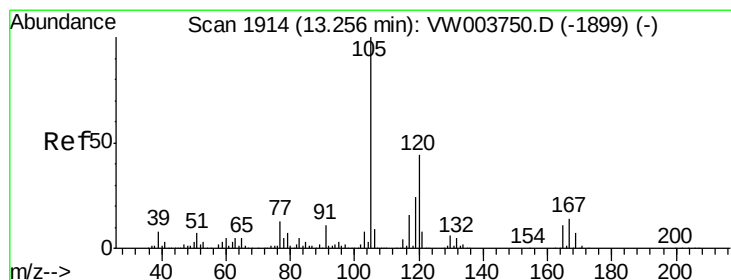
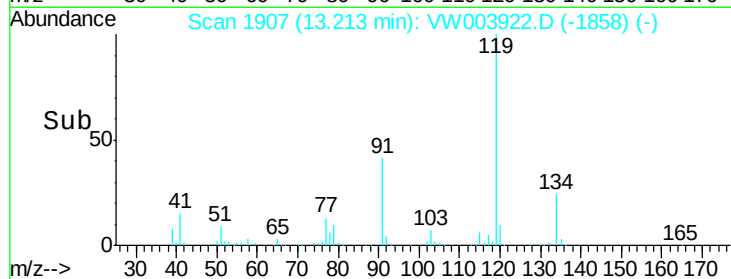
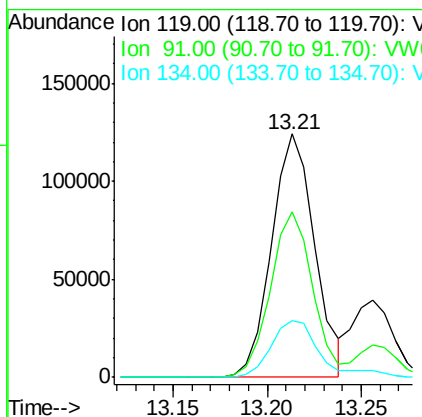
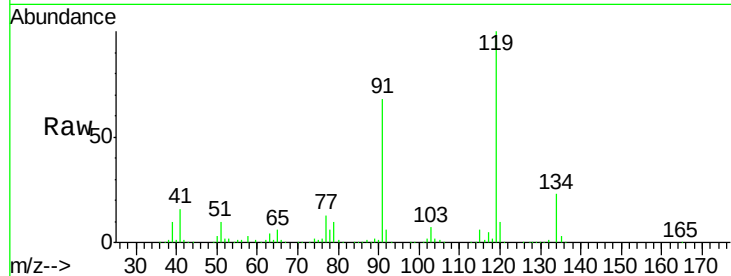
#83
tert-Butylbenzene
Concen: 23.00 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	197115		
91	66.1	33.0	98.9	
134	26.7	12.8	38.4	

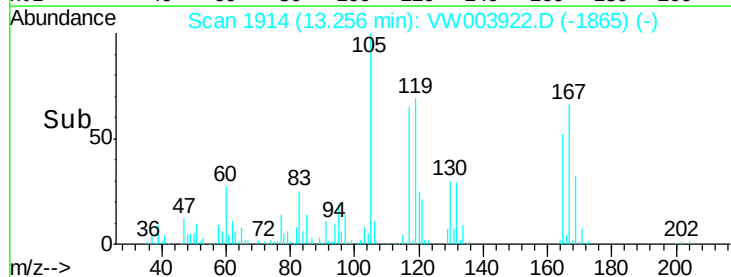
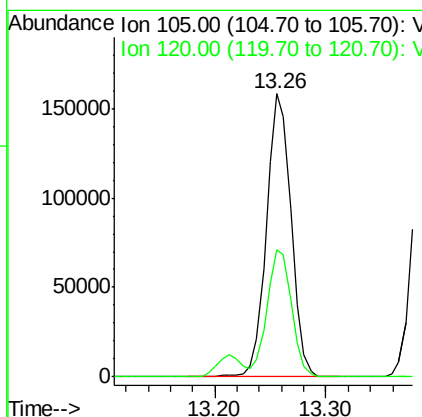
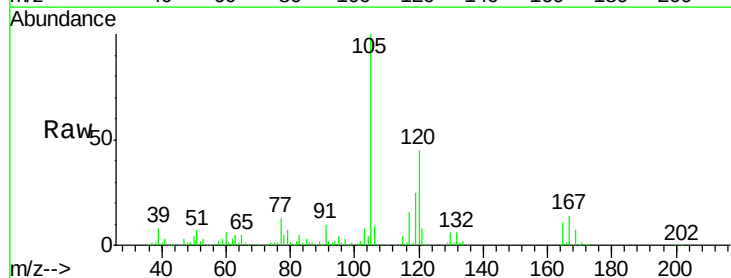
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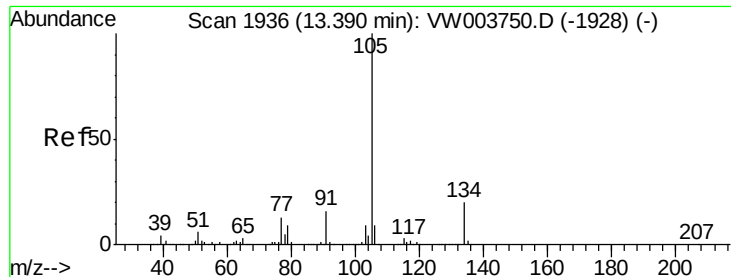
apatel
7/16/2018 10:43:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.61 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244044		
120	44.8	22.0	66.0	





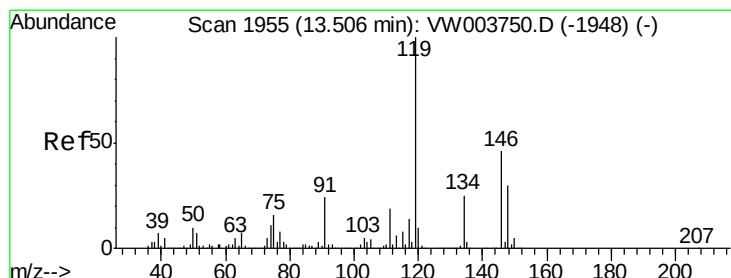
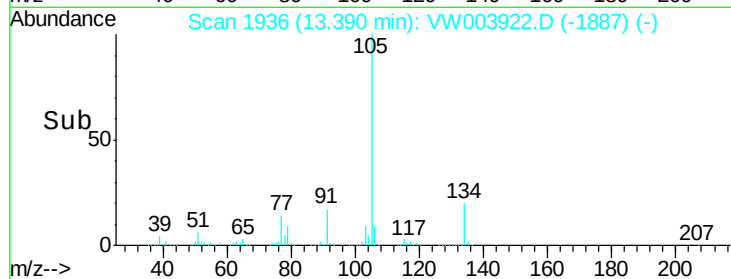
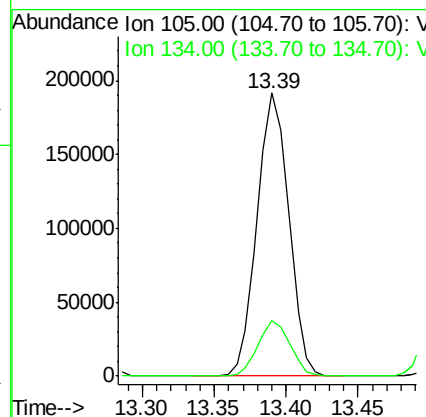
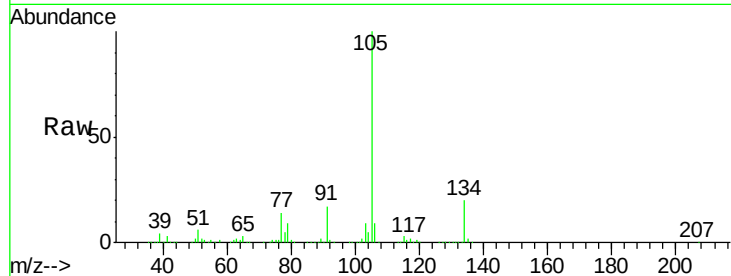
#85
 sec-Butylbenzene
 Concen: 22.78 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	291955		
134	19.7	9.8	29.4	

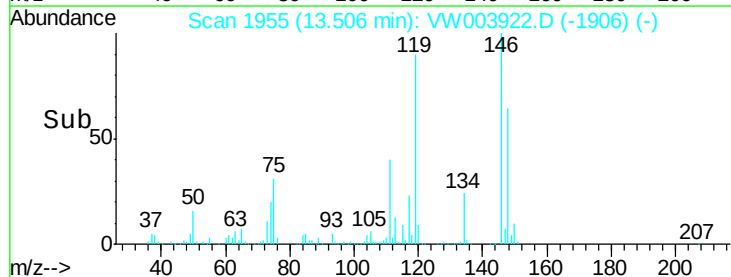
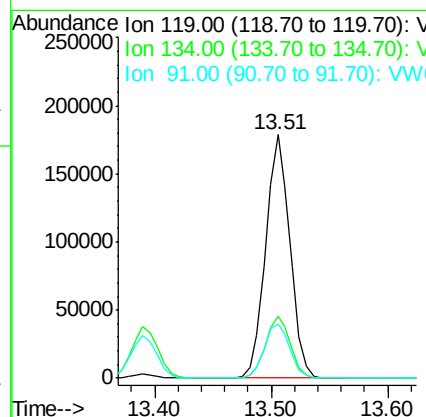
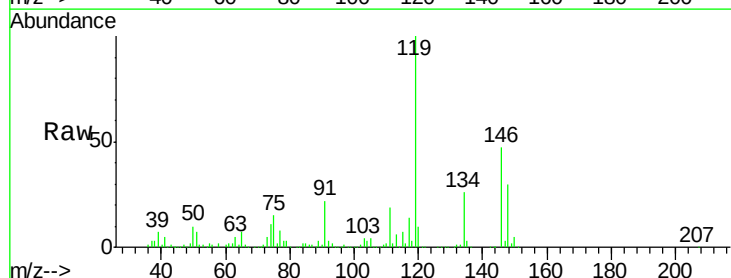
Manual Integrations
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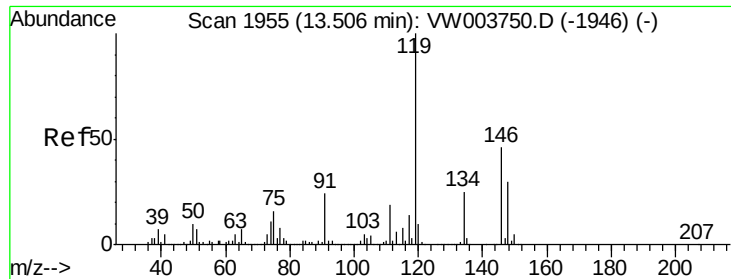
apatel
 7/16/2018 10:43:40 AM



#86
 p-Isopropyltoluene
 Concen: 23.13 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	259117		
134	25.8	13.1	39.1	
91	23.3	11.9	35.9	





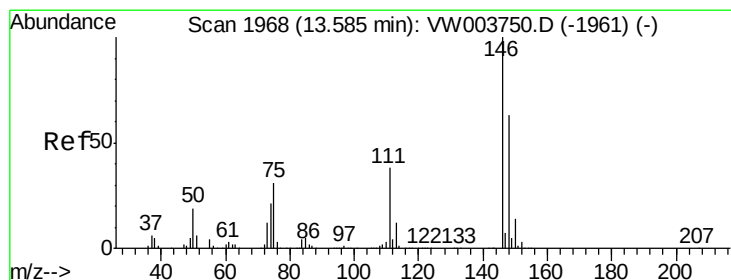
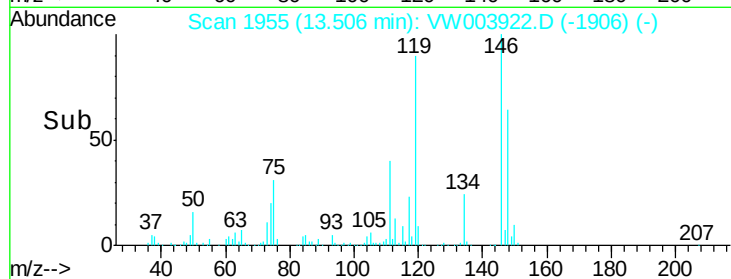
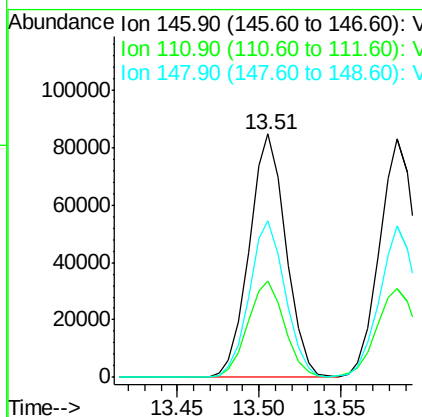
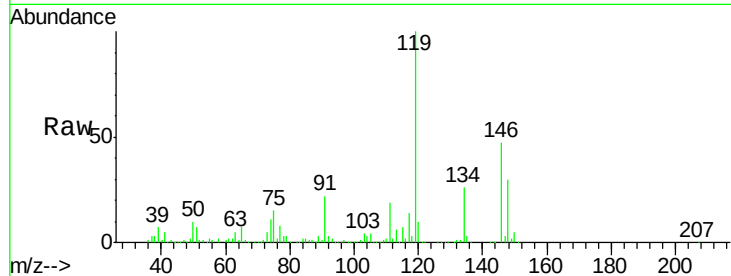
#87
 1,3-Dichlorobenzene
 Concen: 21.79 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132115		
111	39.9	20.2	60.5	
148	63.3	31.9	95.7	

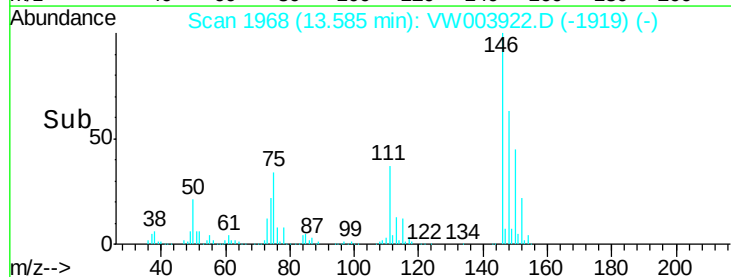
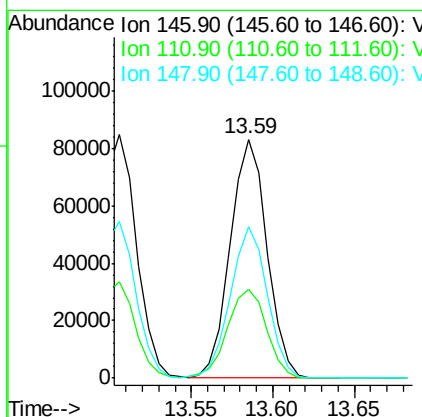
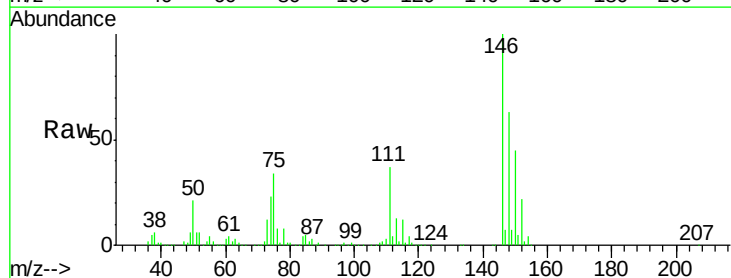
Manual Integrations
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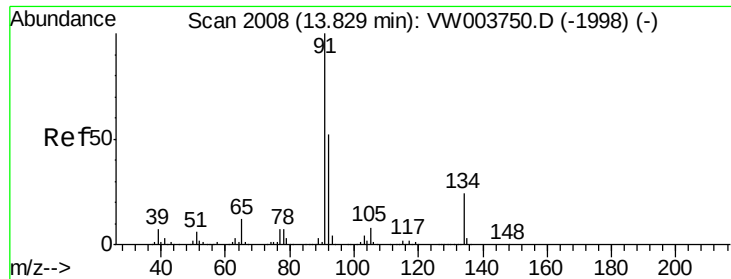
apatel
 7/16/2018 10:43:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.39 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	130440		
111	39.7	19.4	58.4	
148	63.9	31.9	95.7	





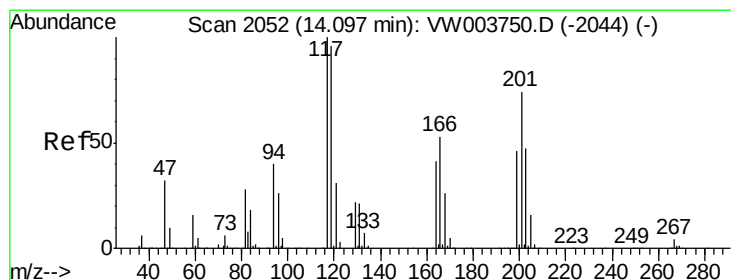
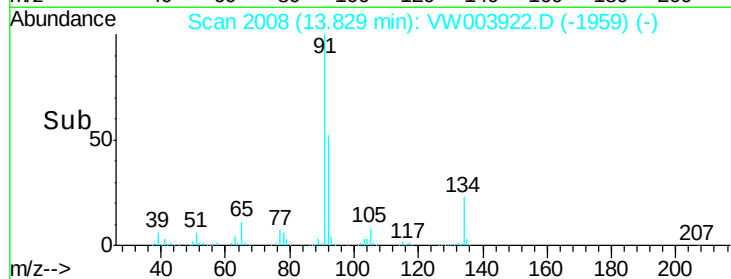
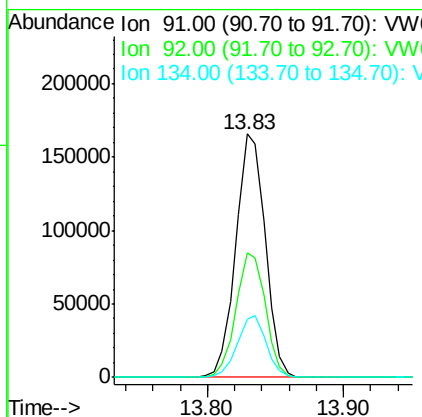
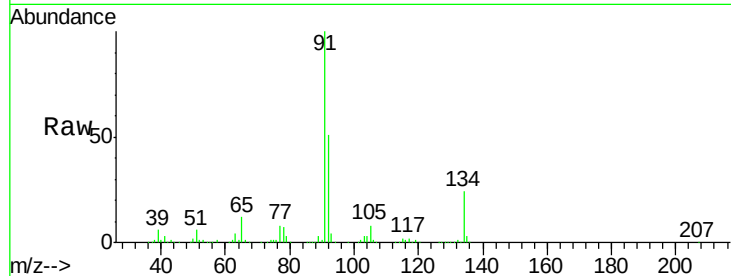
#89
n-Butylbenzene
Concen: 22.66 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.3
134	24.8	12.4	37.4

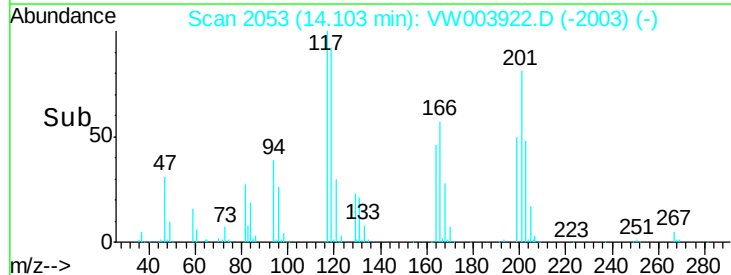
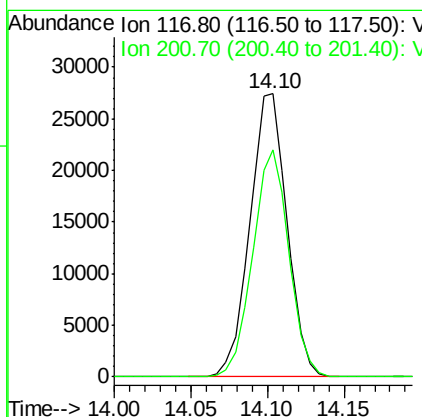
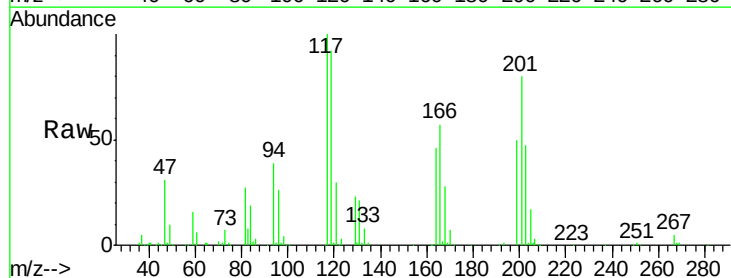
Manual Integrations
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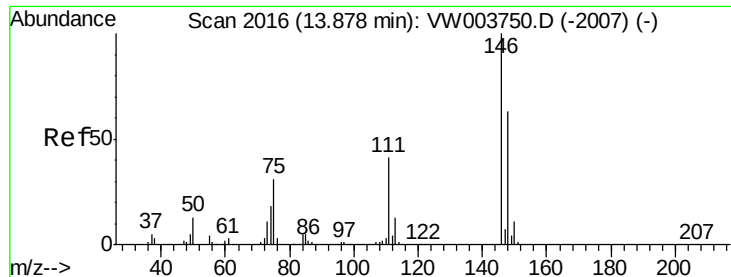
apatel
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#90
Hexachloroethane
Concen: 21.48 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.2	117.6





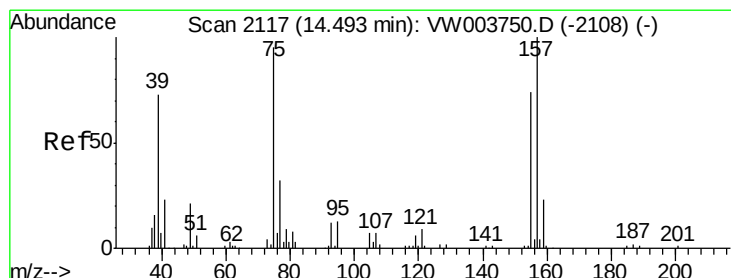
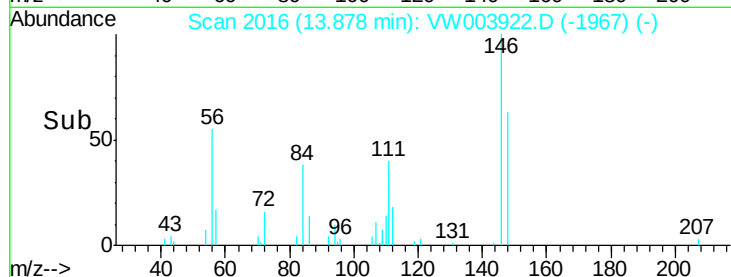
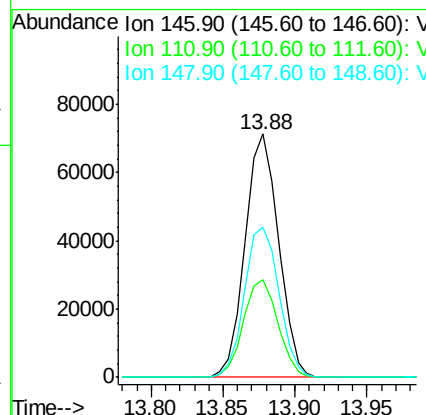
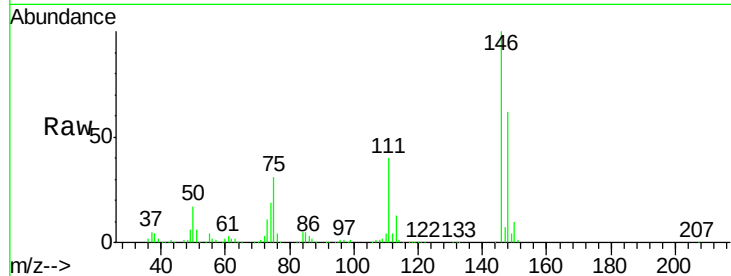
#91
 1,2-Dichlorobenzene
 Concen: 21.09 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.8	31.9	95.9

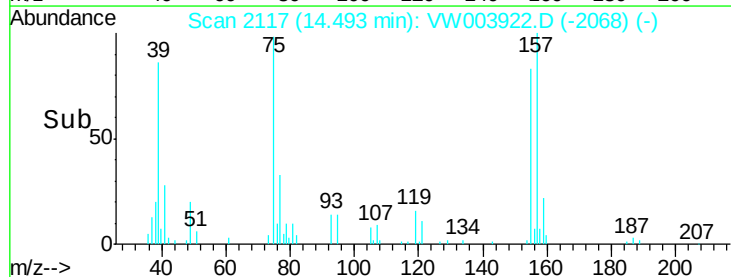
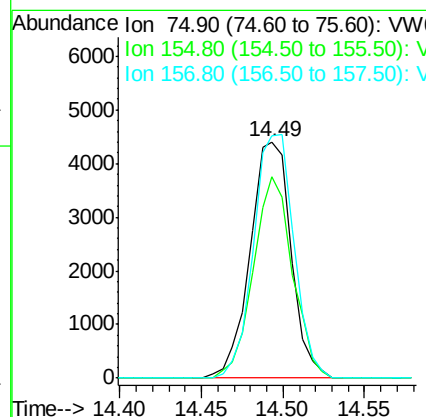
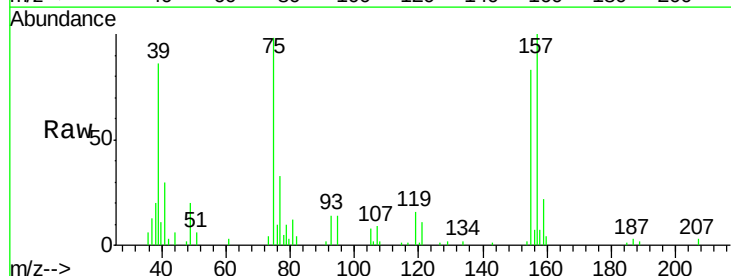
Manual Integrations
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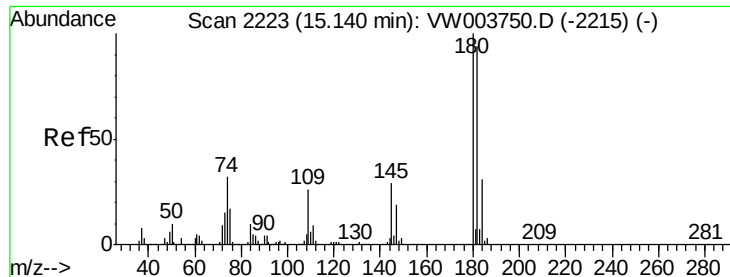
apatel
 7/16/2018 10:43:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.14 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	39.2	117.6
157	101.4	50.7	152.1





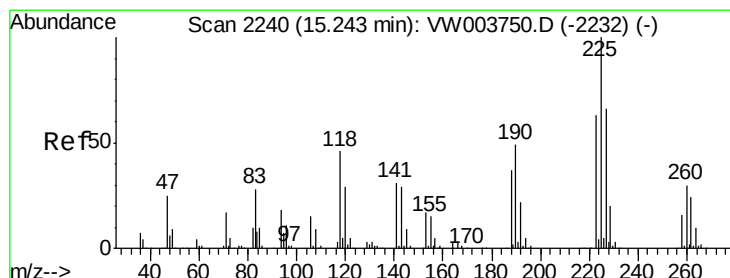
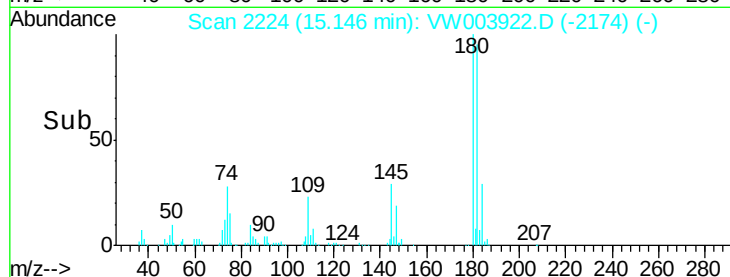
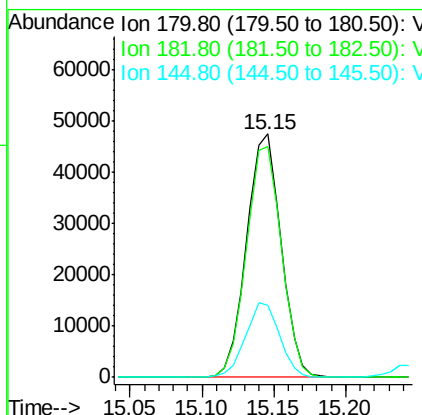
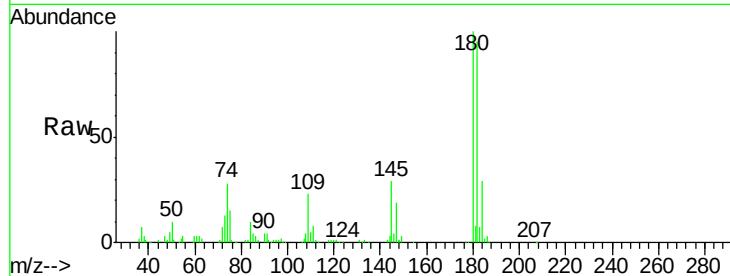
#93
 1,2,4-Trichlorobenzene
 Concen: 21.27 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0713SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	30.4	15.0	45.0

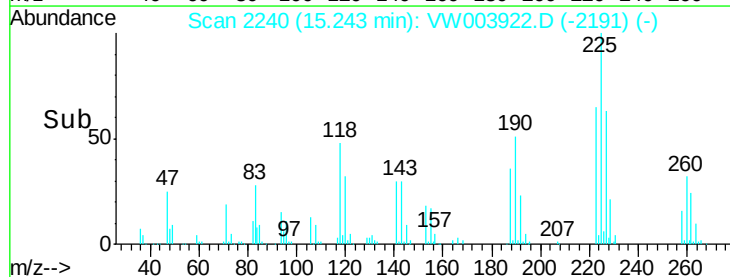
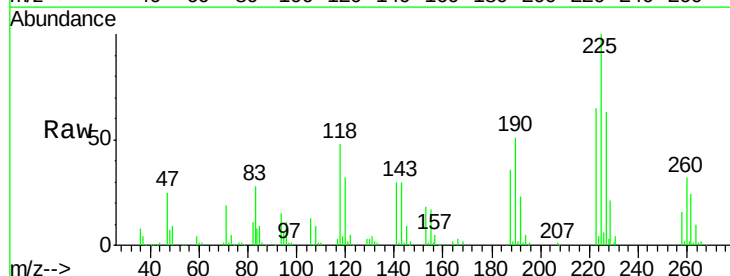
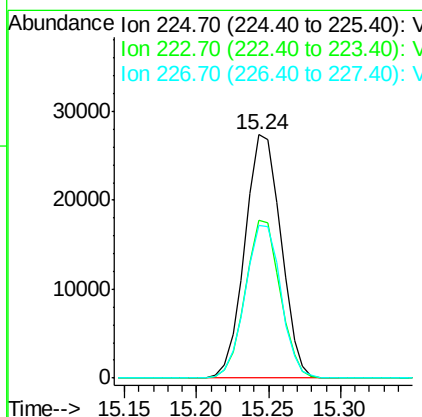
Manual Integrations
 APPROVED

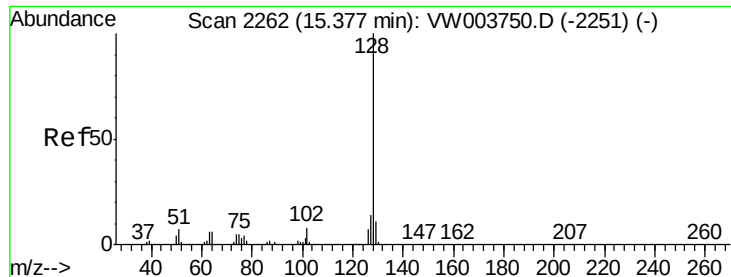
apatel
 7/16/2018 10:43:40 AM



#94
 Hexachlorobutadiene
 Concen: 22.40 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW003922.D
 Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.6	97.7
227	62.4	32.5	97.5





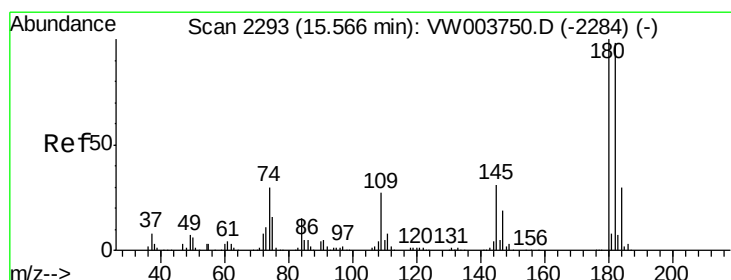
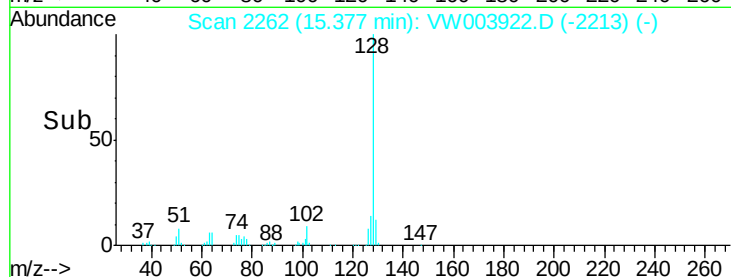
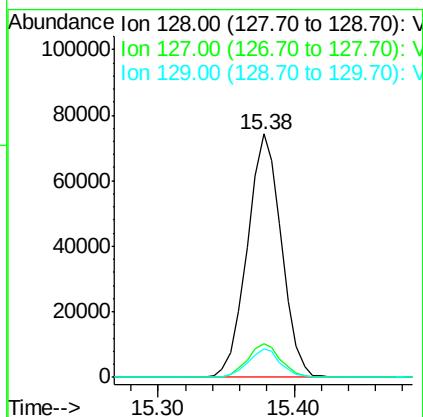
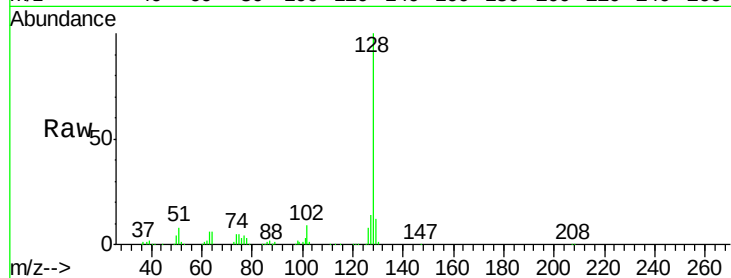
#95
Naphthalene
Concen: 19.75 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Instrument :
MSVOA_W
ClientSampleId :
VW0713SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.2	8.6	13.0

Manual Integrations
APPROVED

apatel
7/16/2018 10:43:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.76 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003922.D
Acq: 13 Jul 2018 18:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	32.0	15.8	47.4

