

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070218\
 Data File : VW003680.D
 Acq On : 02 Jul 2018 16:58
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:16:25 AM

Quant Time: Jul 03 08:54:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 02:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	246586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	397549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	29019	10.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.30%	
35) Dibromofluoromethane	7.89	113	24573	9.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.58%	
50) Toluene-d8	10.33	98	96157	9.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.36%	
62) 4-Bromofluorobenzene	12.62	95	34364	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	9102m	11.01	ug/l	
3) Chloromethane	2.21	50	17172	8.94	ug/l	99
4) Vinyl Chloride	2.36	62	23938	8.62	ug/l	97
5) Bromomethane	2.78	94	15730	8.57	ug/l	94
6) Chloroethane	2.92	64	14009	7.41	ug/l	97
7) Trichlorofluoromethane	3.25	101	13805	8.53	ug/l	92
8) Diethyl Ether	3.67	74	12354	10.04	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	22651	9.78	ug/l	97
10) Methyl Iodide	4.26	142	30645	8.77	ug/l	98
11) Tert butyl alcohol	5.21	59	8477m	57.26	ug/l	
12) 1,1-Dichloroethene	4.03	96	22009	9.65	ug/l	94
13) Acrolein	3.89	56	6028	33.22	ug/l	93
14) Allyl chloride	4.65	41	35857	9.13	ug/l	96
15) Acrylonitrile	5.37	53	27670	53.65	ug/l	99
16) Acetone	4.15	43	34077	58.74	ug/l	95
17) Carbon Disulfide	4.37	76	58977	8.65	ug/l	97
18) Methyl Acetate	4.68	43	14041	10.41	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	41180	9.63	ug/l	98
20) Methylene Chloride	4.91	84	31158	11.05	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	22954	9.22	ug/l	99
22) Diisopropyl ether	6.32	45	77002	9.71	ug/l	99
23) Vinyl Acetate	6.26	43	221766	47.85	ug/l	99
24) 1,1-Dichloroethane	6.21	63	46934	9.97	ug/l	98
25) 2-Butanone	7.18	43	40848	56.17	ug/l	95
26) 2,2-Dichloropropane	7.17	77	30047	9.74	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	25297	9.34	ug/l	96
28) Bromochloromethane	7.51	49	22291	11.41	ug/l	98
29) Tetrahydrofuran	7.54	42	23549	52.79	ug/l	100
30) Chloroform	7.67	83	47245	9.89	ug/l	95
31) Cyclohexane	7.95	56	41986	9.52	ug/l	# 87
32) 1,1,1-Trichloroethane	7.87	97	36881	9.43	ug/l	98
36) 1,1-Dichloropropene	8.08	75	35972	9.20	ug/l	100
37) Ethyl Acetate	7.26	43	17652	10.65	ug/l	98
38) Carbon Tetrachloride	8.07	117	34633	9.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39709	8.75	ug/l	95
40) Benzene	8.32	78	104046	9.65	ug/l	99
41) Methacrylonitrile	7.49	41	8806	8.77	ug/l	96
42) 1,2-Dichloroethane	8.40	62	32436	9.61	ug/l	98
43) Isopropyl Acetate	8.43	43	31468	9.67	ug/l	98
44) Trichloroethene	9.09	130	27001	9.53	ug/l	93
45) 1,2-Dichloropropane	9.37	63	26985	9.83	ug/l	96
46) Dibromomethane	9.46	93	13851	9.81	ug/l	98
47) Bromodichloromethane	9.65	83	34438	9.57	ug/l	99
48) Methyl methacrylate	9.44	41	13873	9.04	ug/l	92
49) 1,4-Dioxane	9.48	88	4378	205.04	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	83752	50.16	ug/l	98
52) Toluene	10.39	92	63068	9.14	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	34176	9.28	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	38728	9.22	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	19958	10.04	ug/l	97
56) Ethyl methacrylate	10.65	69	21749	8.95	ug/l	97
57) 1,3-Dichloropropane	10.93	76	32990	9.60	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	49766	46.46	ug/l	99
59) 2-Hexanone	10.98	43	58553	50.09	ug/l	96
60) Dibromochloromethane	11.13	129	22236	9.46	ug/l	99
61) 1,2-Dibromoethane	11.24	107	18003	9.57	ug/l	99
64) Tetrachloroethene	10.87	164	21944	8.86	ug/l	96
65) Chlorobenzene	11.66	112	71748	9.30	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	24672	9.11	ug/l	98
67) Ethyl Benzene	11.74	91	120356	8.79	ug/l	100
68) m/p-Xylenes	11.84	106	93015	17.87	ug/l	99
69) o-Xylene	12.17	106	41650	8.66	ug/l	99
70) Styrene	12.19	104	69700	8.67	ug/l	99
71) Bromoform	12.35	173	13463	9.52	ug/l #	100
73) Isopropylbenzene	12.47	105	117357	8.62	ug/l	99
74) N-amyl acetate	12.27	43	29127	9.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	24116	10.25	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	16303m	9.65	ug/l	
77) Bromobenzene	12.75	156	29157	9.15	ug/l	99
78) n-propylbenzene	12.81	91	146892	8.78	ug/l	99
79) 2-Chlorotoluene	12.90	91	84371	8.93	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	101231	8.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	7056	9.49	ug/l	96
82) 4-Chlorotoluene	12.99	91	92190	9.20	ug/l	98
83) tert-Butylbenzene	13.21	119	84363	8.66	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	103380	8.76	ug/l	100
85) sec-Butylbenzene	13.39	105	127679	8.81	ug/l	99
86) p-Isopropyltoluene	13.51	119	111040	8.71	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	60743	9.31	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	61224	9.43	ug/l	97
89) n-Butylbenzene	13.84	91	109104	8.76	ug/l	97
90) Hexachloroethane	14.10	117	20997	9.09	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	54848	9.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4152	10.48	ug/l	94

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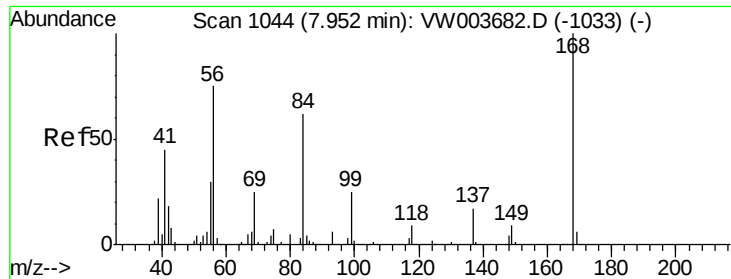
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	37172	9.24	ug/l	99
94) Hexachlorobutadiene	15.25	225	22259	9.27	ug/l	99
95) Naphthalene	15.38	128	60140	8.71	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	33310	9.39	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:168 Resp: 246586

Ion Ratio Lower Upper

168 100

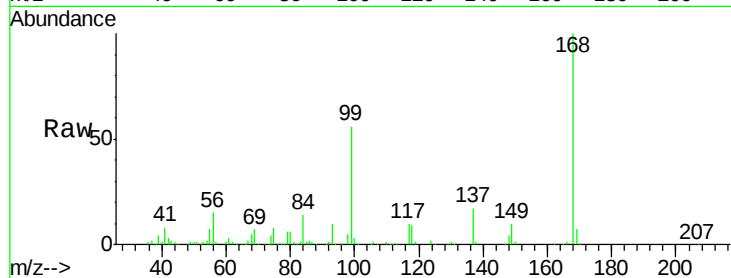
99 55.5 45.4 68.2

Manual Integrations

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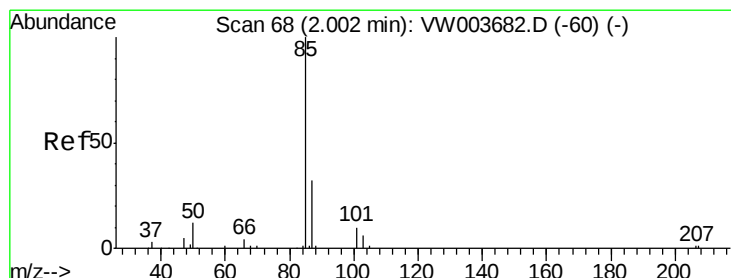
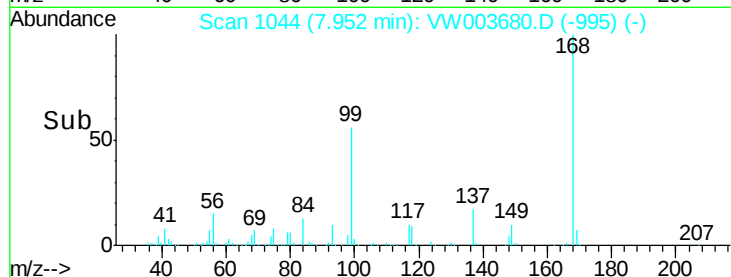
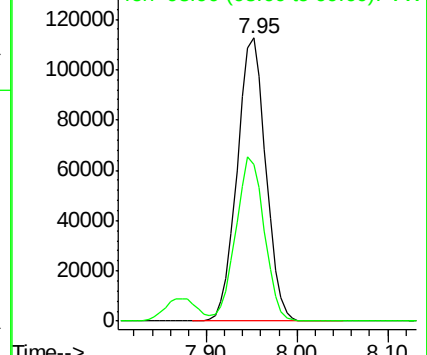
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 11.01 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003680.D

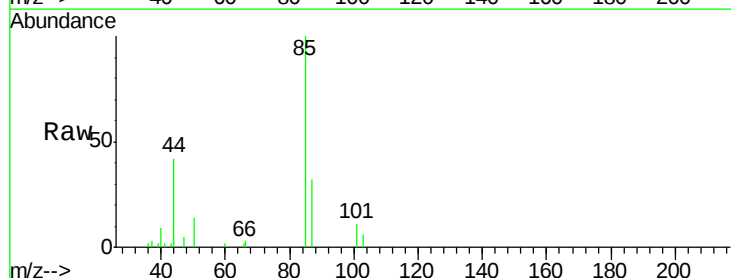
Acq: 02 Jul 2018 16:58

Tgt Ion: 85 Resp: 9102

Ion Ratio Lower Upper

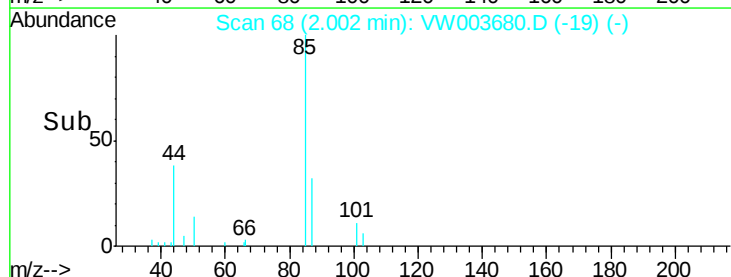
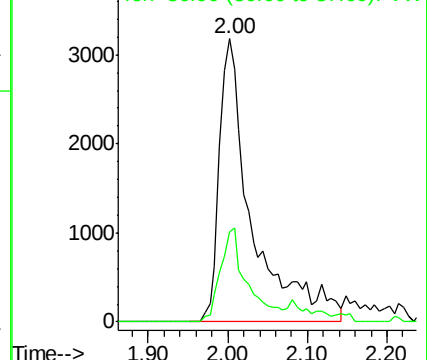
85 100

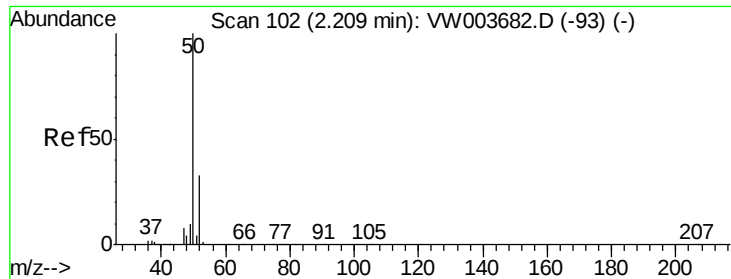
87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 8.94 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 17172

Ion Ratio Lower Upper

50 100

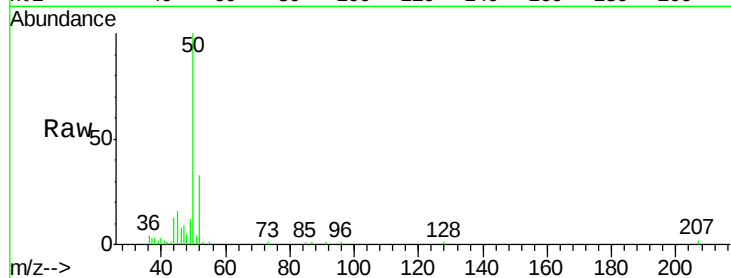
52 33.1 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

10000

8000

6000

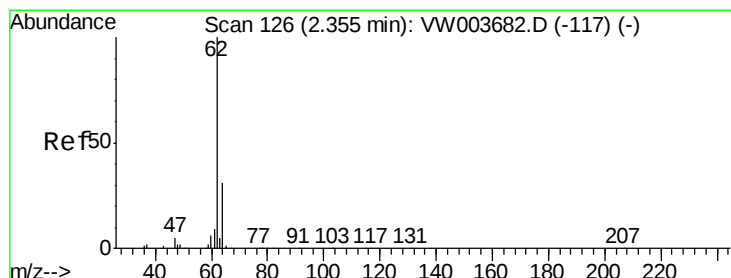
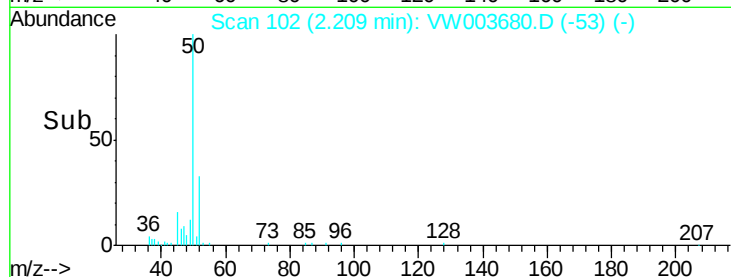
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 8.62 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003680.D

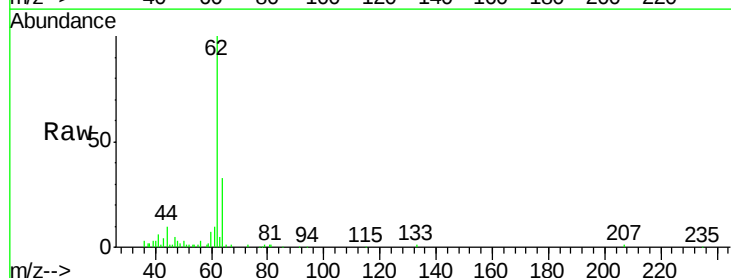
Acq: 02 Jul 2018 16:58

Tgt Ion: 62 Resp: 23938

Ion Ratio Lower Upper

62 100

64 33.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

15000

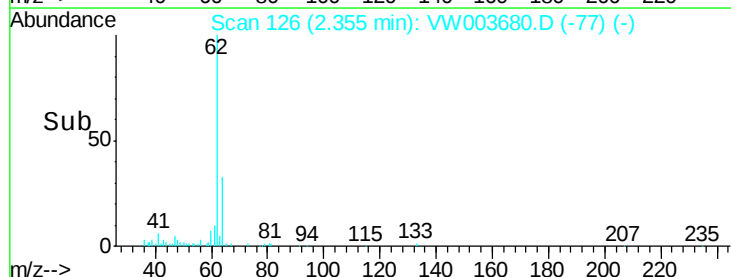
10000

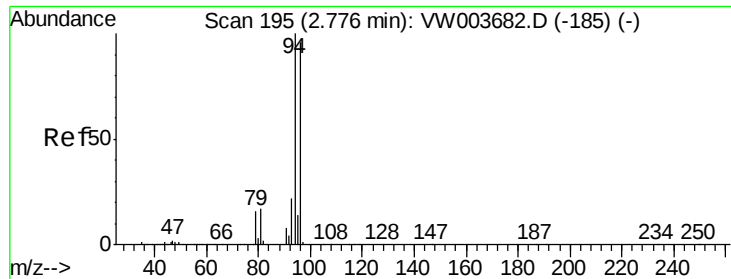
5000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 8.57 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 15730

Ion Ratio Lower Upper

94 100

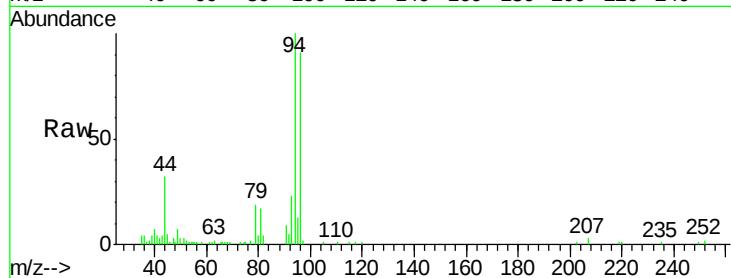
96 89.7 76.6 115.0

Manual Integrations

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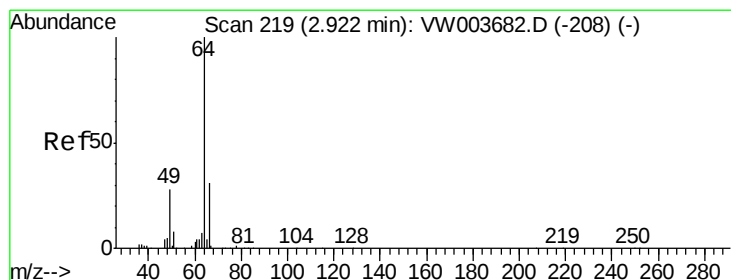
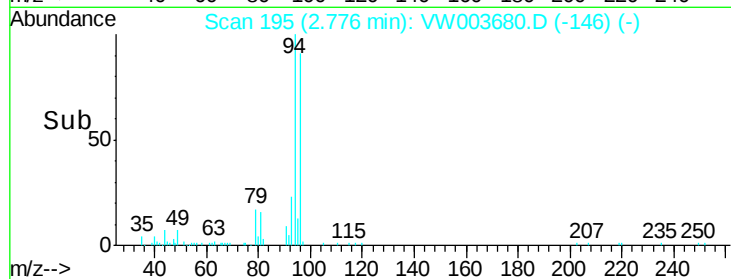
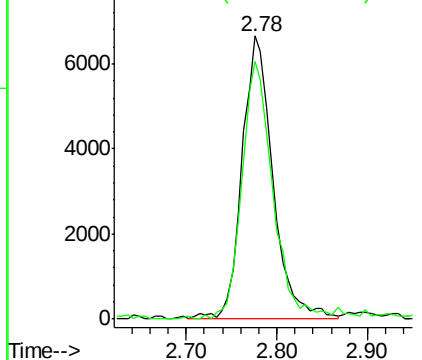
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 7.41 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003680.D

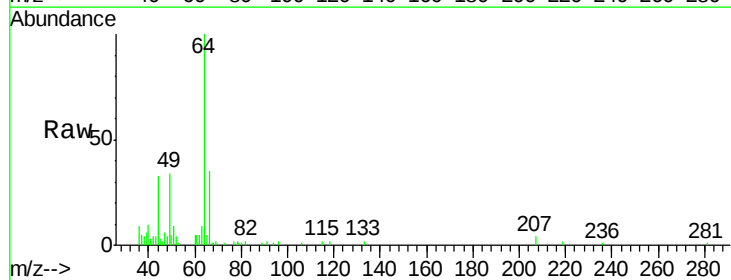
Acq: 02 Jul 2018 16:58

Tgt Ion: 64 Resp: 14009

Ion Ratio Lower Upper

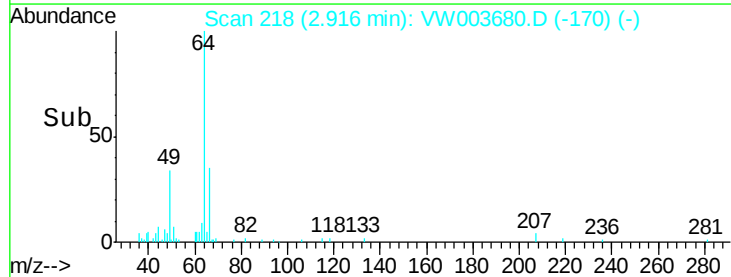
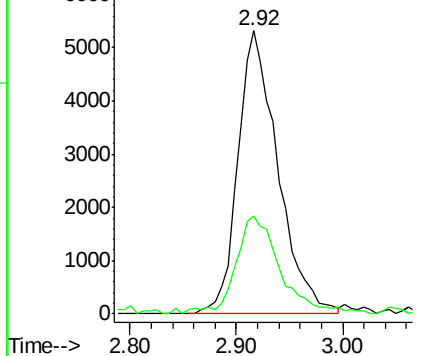
64 100

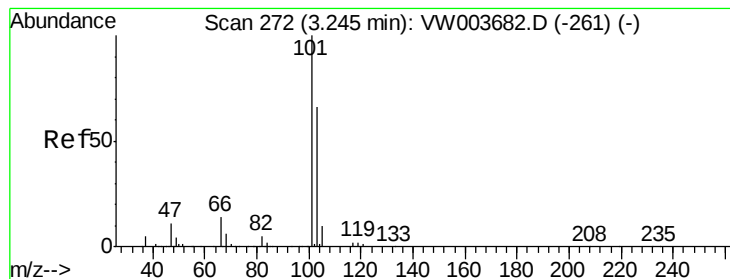
66 33.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 8.53 ug/l

RT: 3.25 min Scan# 272

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

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ClientSampleId :

VSTDIC010

Tot Ion:101 Resp: 13805

Ion Ratio Lower Upper

101 100

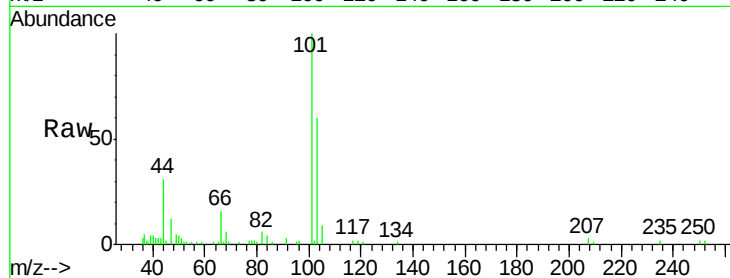
103 59.9 52.9 79.3

Manual Integrations

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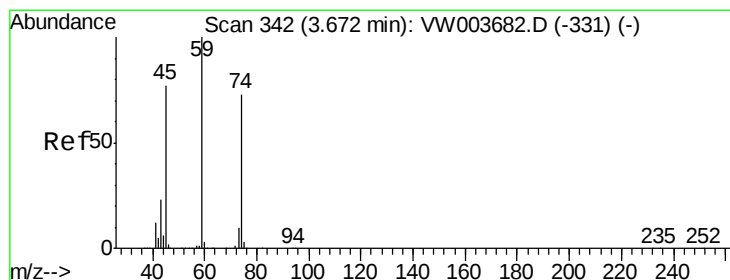
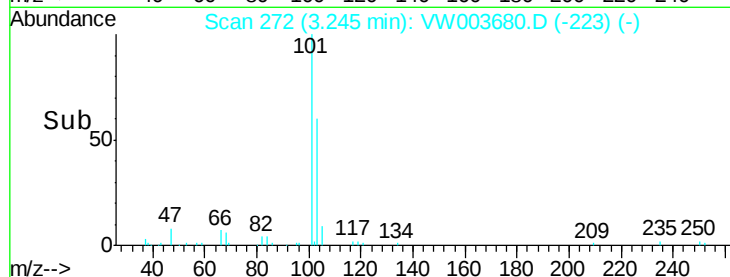
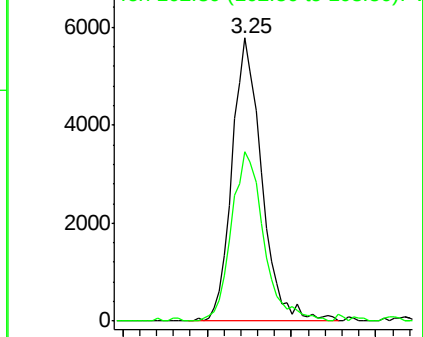
apatel

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 10.04 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW003680.D

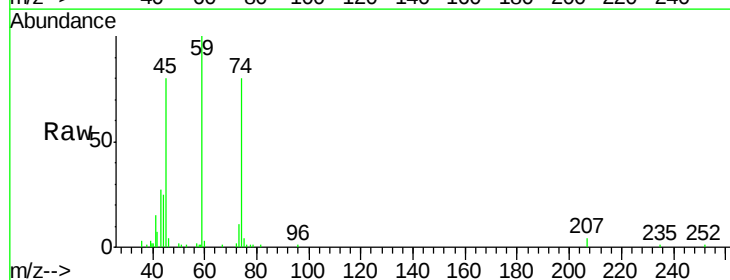
Acq: 02 Jul 2018 16:58

Tgt Ion: 74 Resp: 12354

Ion Ratio Lower Upper

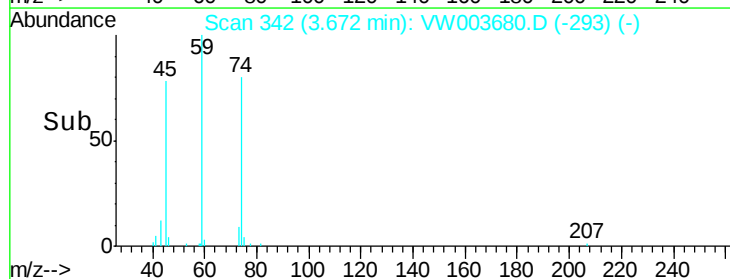
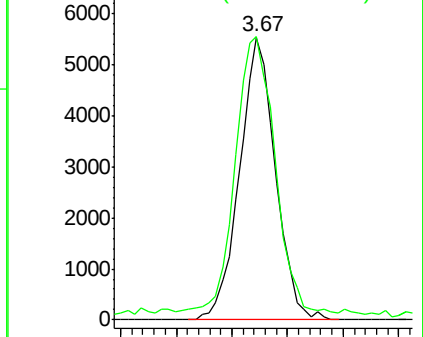
74 100

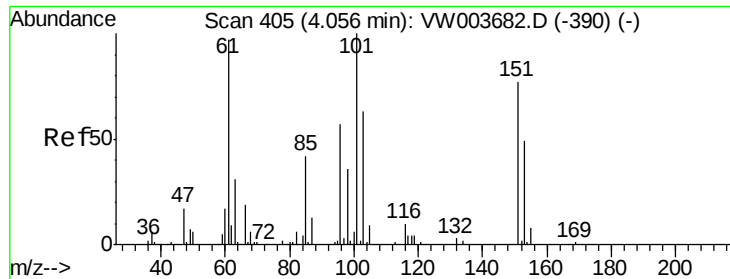
45 107.3 53.5 160.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.78 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

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MSVOA_W

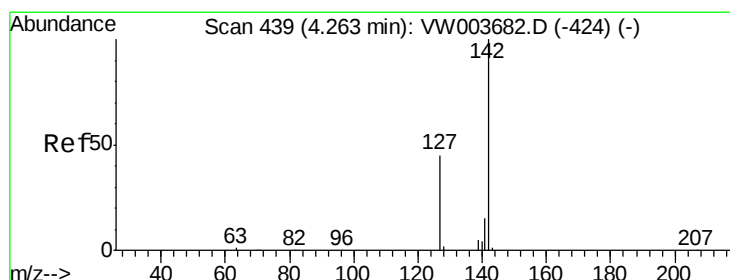
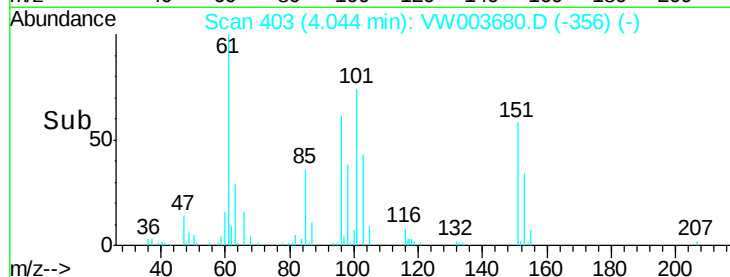
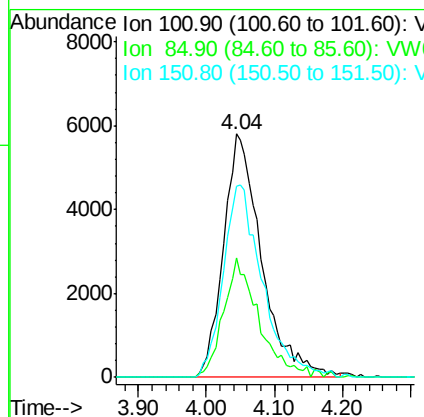
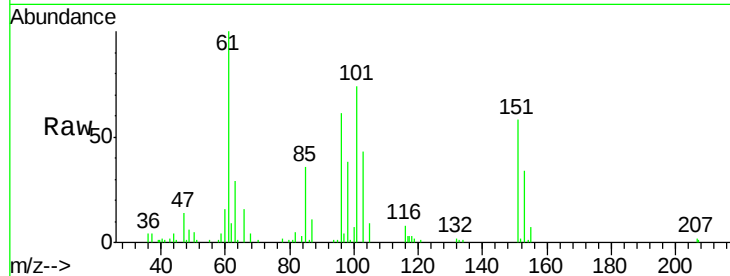
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	22651
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	81.2	62.4	93.6

Manual Integrations
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#10

Methyl Iodide

Concen: 8.77 ug/l

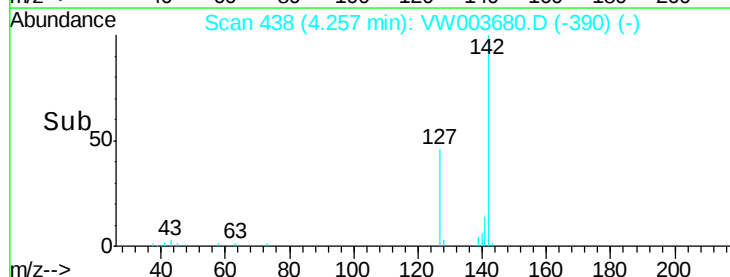
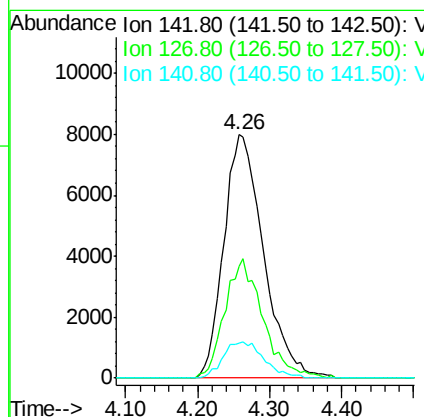
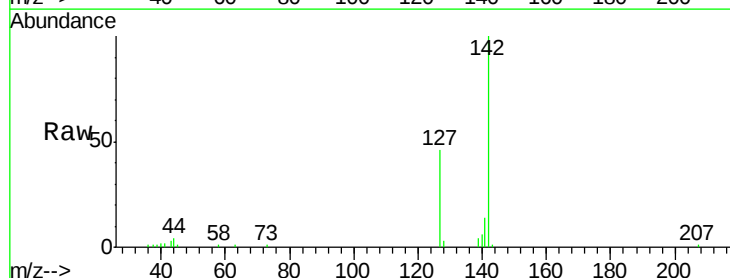
RT: 4.26 min Scan# 438

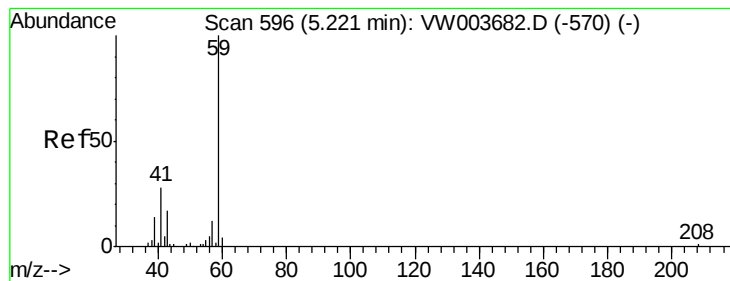
Delta R.T. -0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Tgt Ion:	142	Resp:	30645
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.0	54.0
141	15.4	11.9	17.9





#11

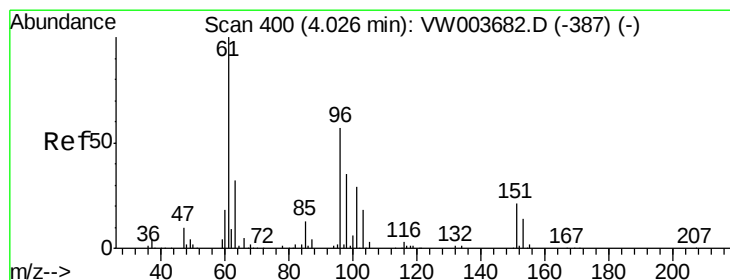
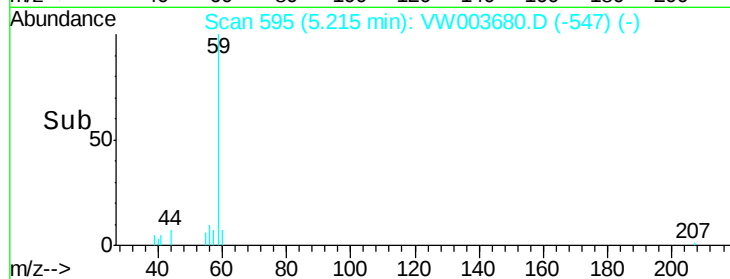
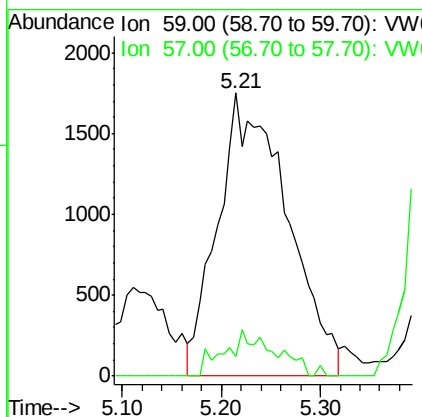
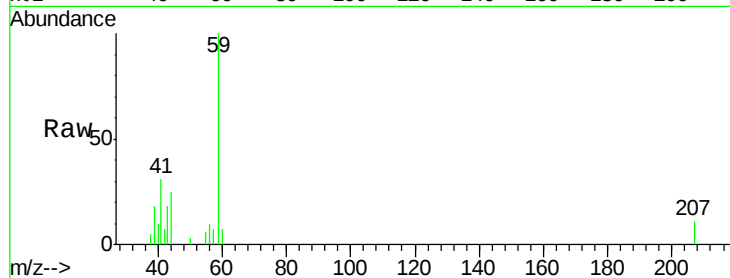
Tert butvl alcohol
 Concen: 57.26 ug/l m
 RT: 5.21 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	59	Resp	8477
Ion Ratio	100	Lower	Upper
59	100		
57	9.4	9.0	13.4

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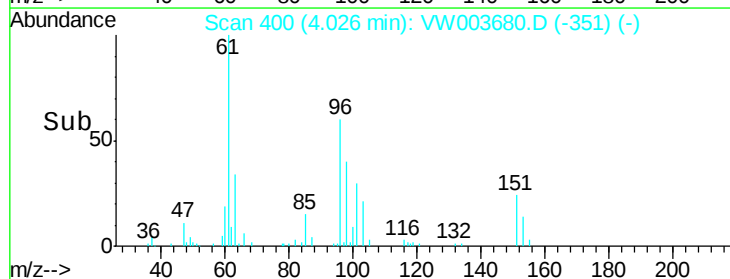
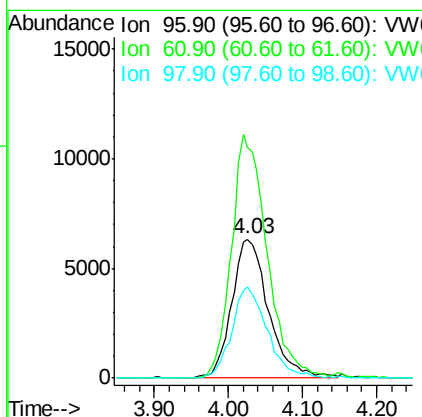
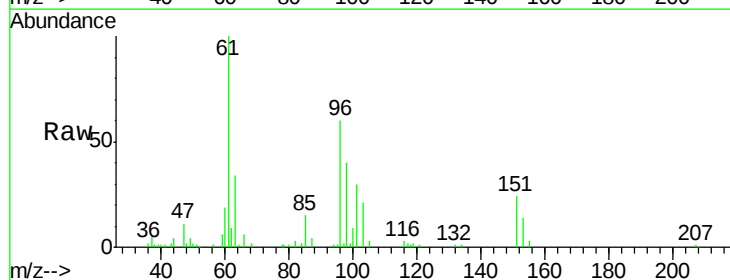
apatel
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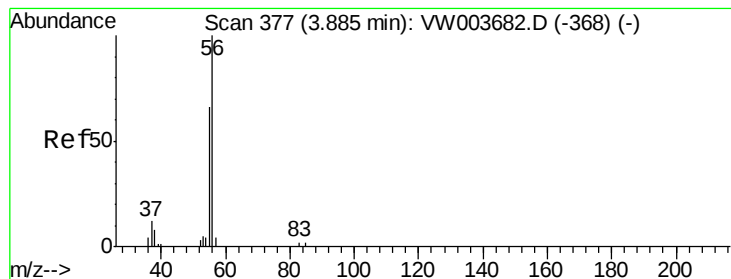


#12

1,1-Dichloroethene
 Concen: 9.65 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	96	Resp	22009
Ion Ratio	100	Lower	Upper
96	100		
61	166.3	140.6	211.0
98	65.7	49.4	74.0





#13

Acrolein

Concen: 33.22 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 6028

Ion Ratio Lower Upper

56 100

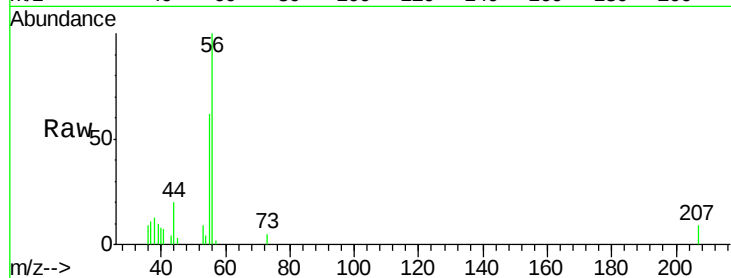
55 74.1 54.7 82.1

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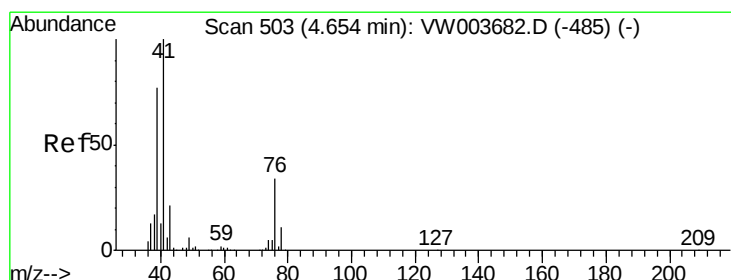
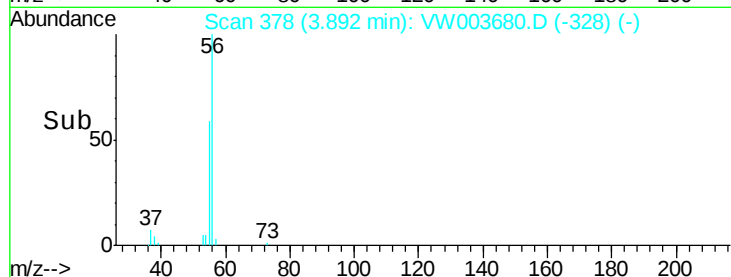
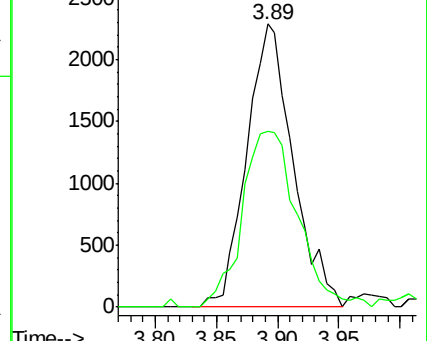
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.13 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

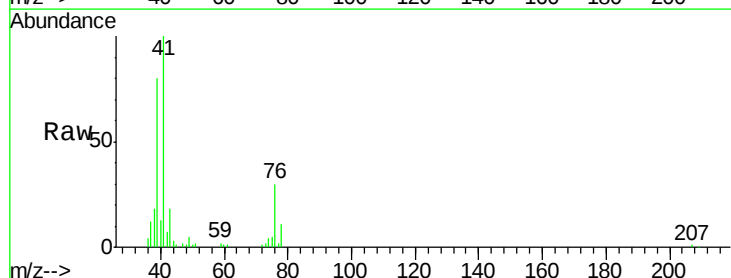
Tgt Ion: 41 Resp: 35857

Ion Ratio Lower Upper

41 100

39 79.9 60.1 90.1

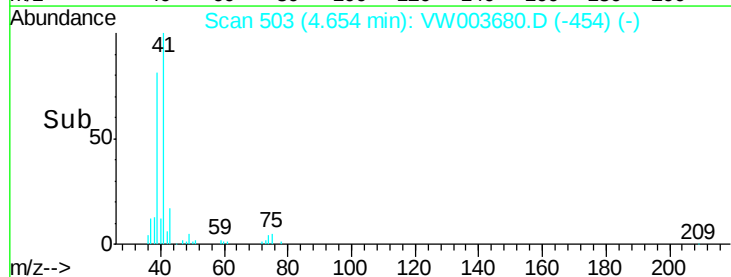
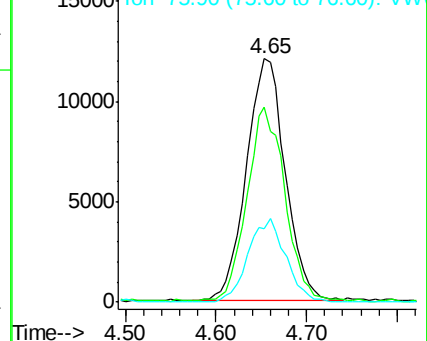
76 33.3 27.2 40.8

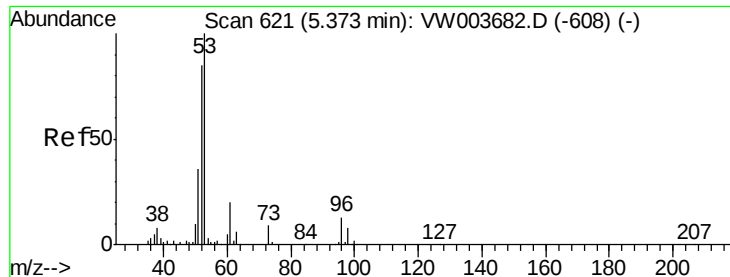


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 53.65 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

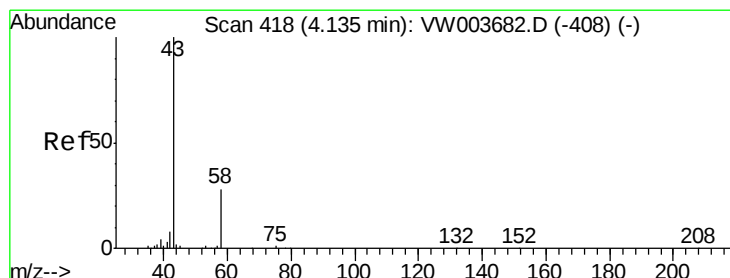
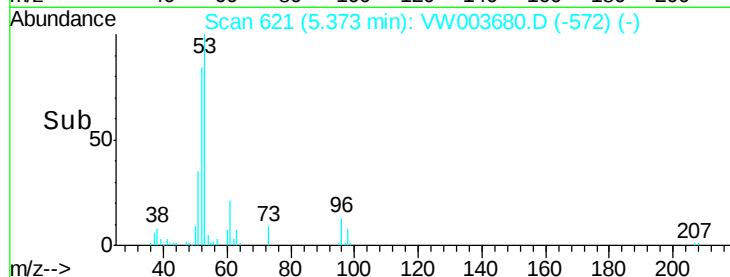
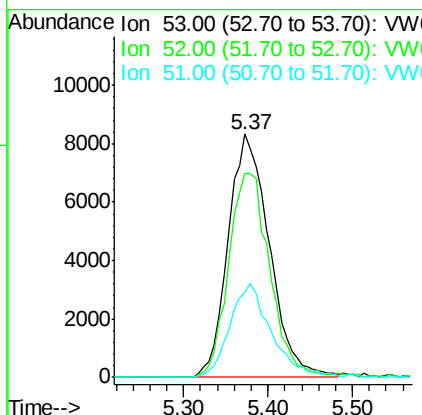
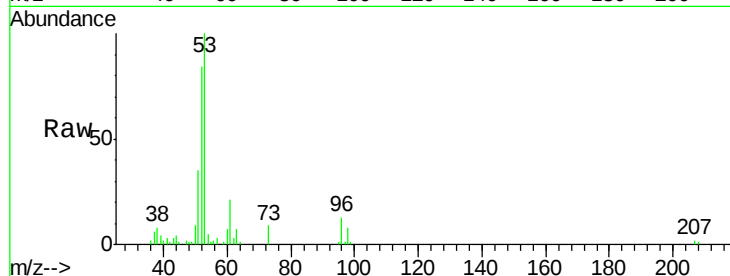
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	27670
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.8	100.2
51	38.6	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 58.74 ug/l

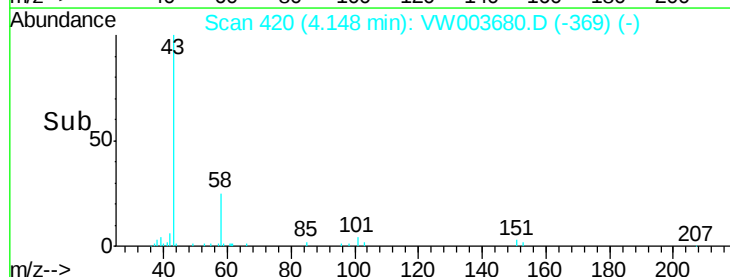
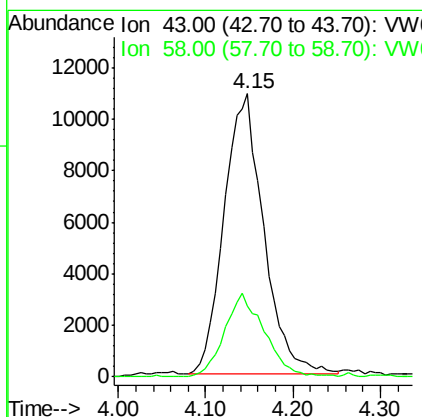
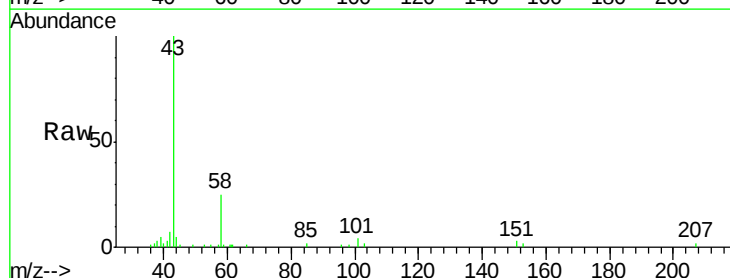
RT: 4.15 min Scan# 420

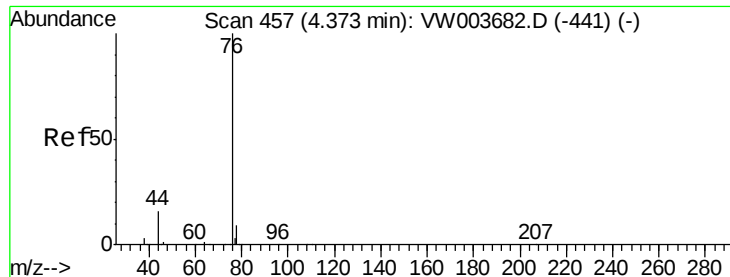
Delta R.T. 0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Tgt Ion:	43	Resp:	34077
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.7	34.1





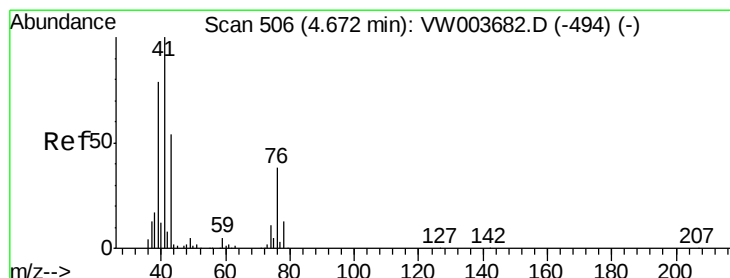
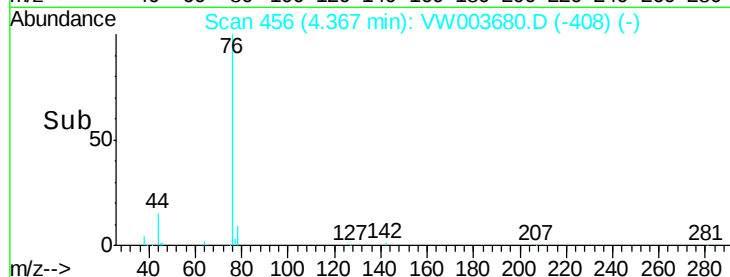
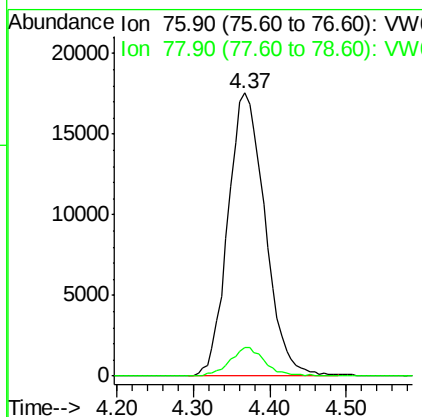
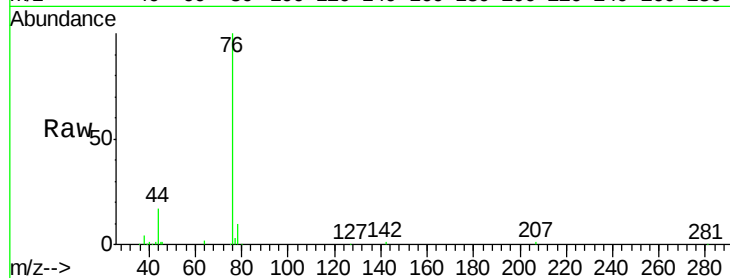
#17
Carbon Disulfide
Concen: 8.65 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	76	Resp	58977
Ion Ratio	Lower	Upper	
76	100		
78	10.2	7.4	11.2

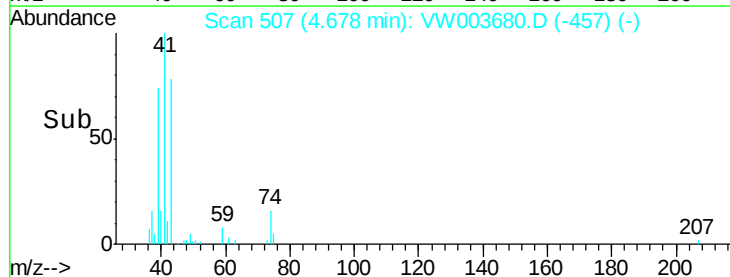
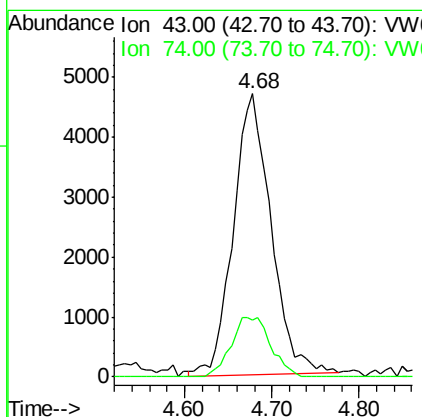
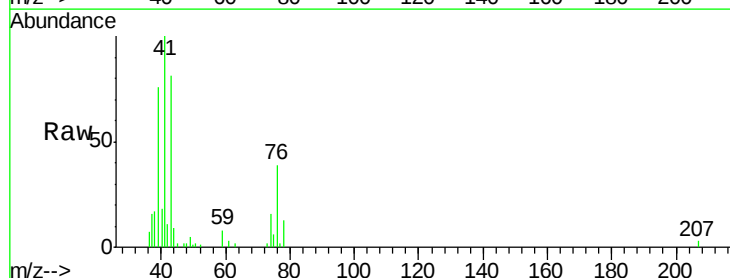
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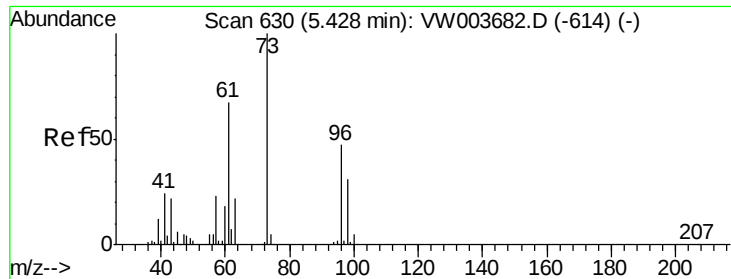
apatel
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#18
Methyl Acetate
Concen: 10.41 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	43	Resp	14041
Ion Ratio	Lower	Upper	
43	100		
74	22.2	18.2	27.2





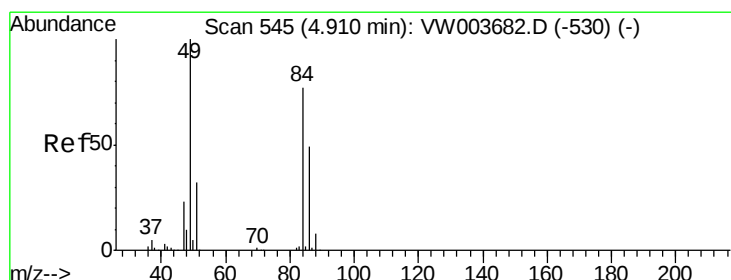
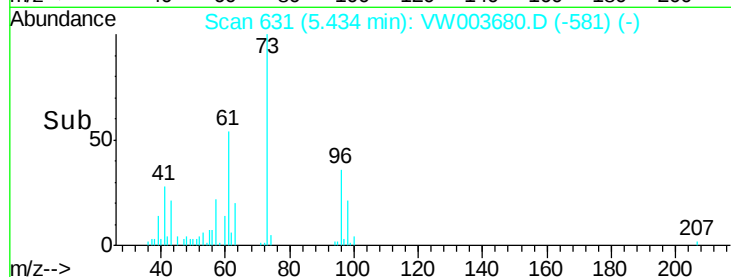
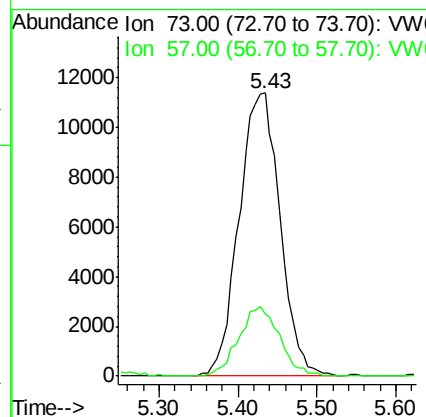
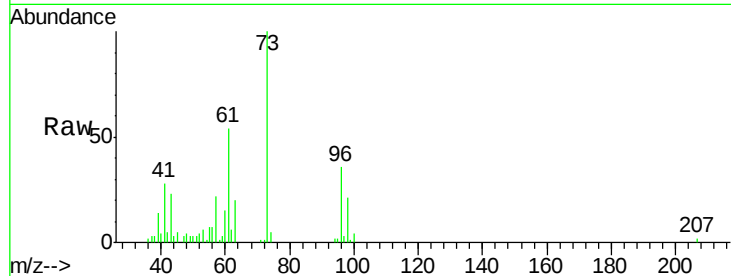
#19
Methvl tert-butvl Ether
Concen: 9.63 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 41180
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

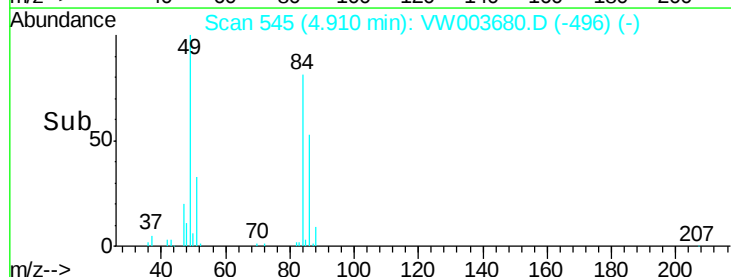
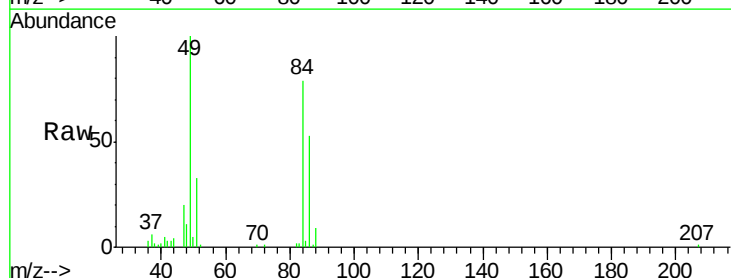
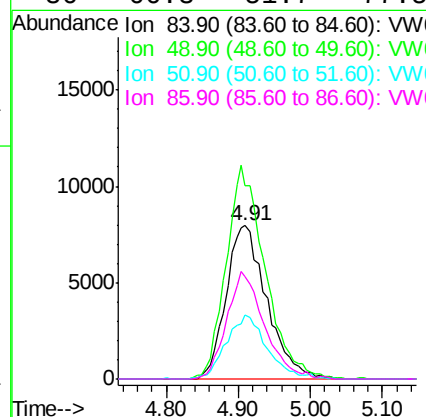
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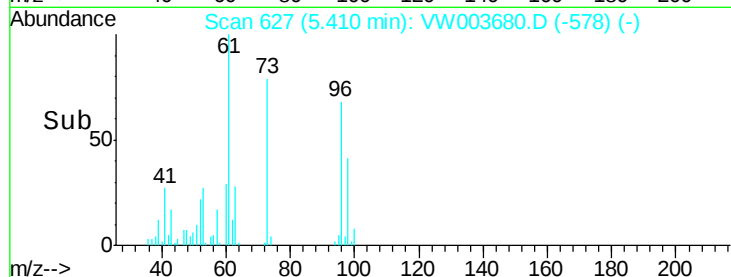
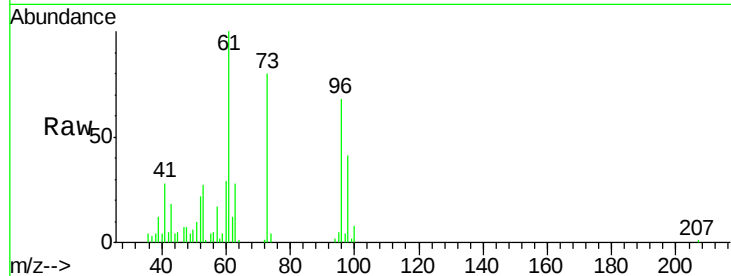
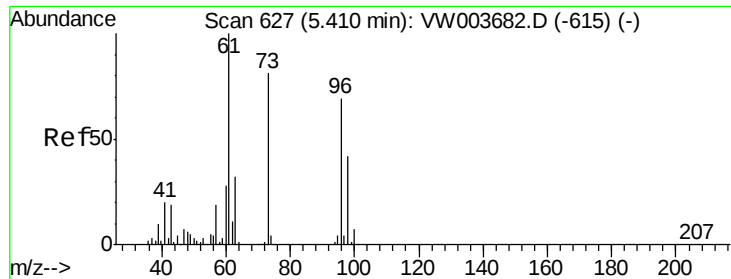
apatel
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#20
Methylene Chloride
Concen: 11.05 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion: 84 Resp: 31158
Ion Ratio Lower Upper
84 100
49 125.1 104.6 156.8
51 41.3 33.2 49.8
86 66.3 51.7 77.5





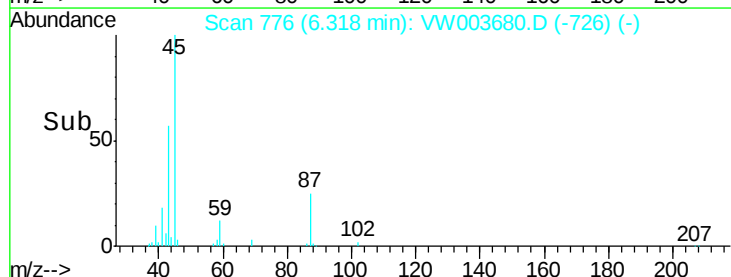
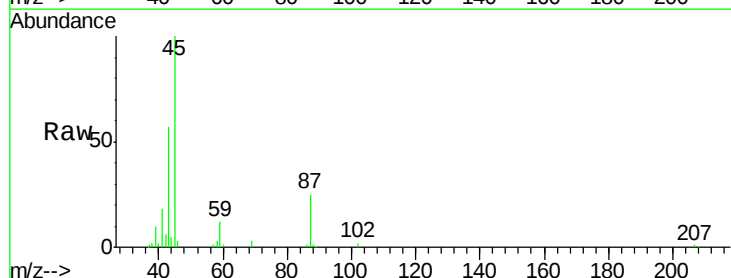
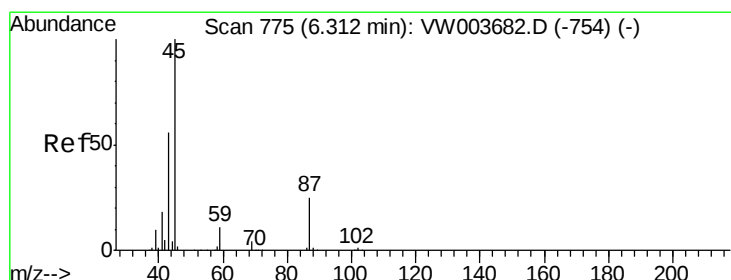
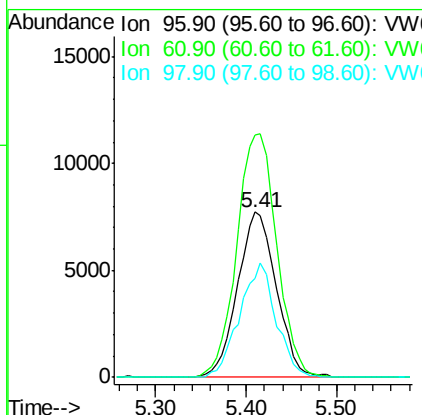
#21
trans-1,2-Dichloroethene
Concen: 9.22 ug/l
RT: 5.41 min Scan# 627
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	116.8	175.2
98	59.5	49.6	74.4

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

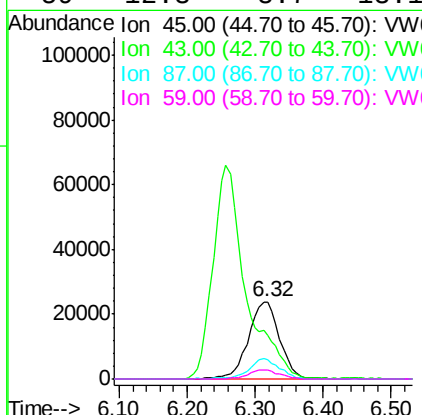
Manual Integrations
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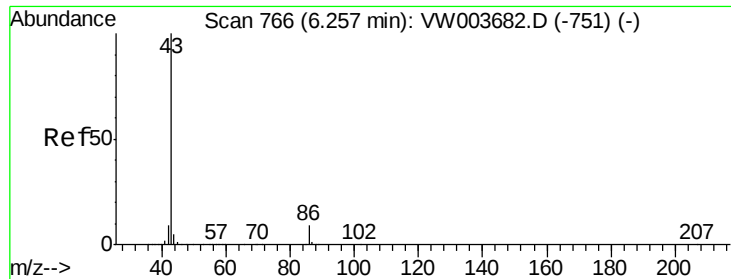
apatel
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#22
Diisopropyl ether
Concen: 9.71 ug/l
RT: 6.32 min Scan# 776
Delta R.T. 0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.5	66.7
87	25.4	20.2	30.4
59	12.3	8.7	13.1





#23

Vinyl Acetate

Concen: 47.85 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 221766

Ion Ratio Lower Upper

43 100

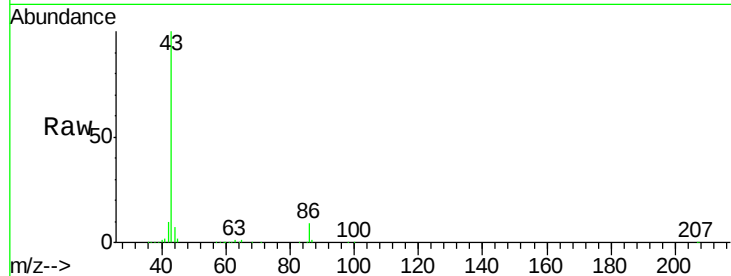
86 9.1 7.5 11.3

Manual Integrations

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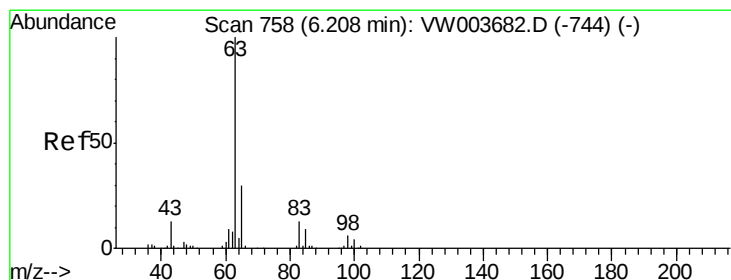
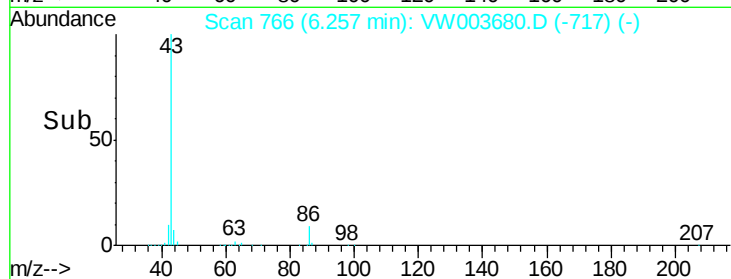
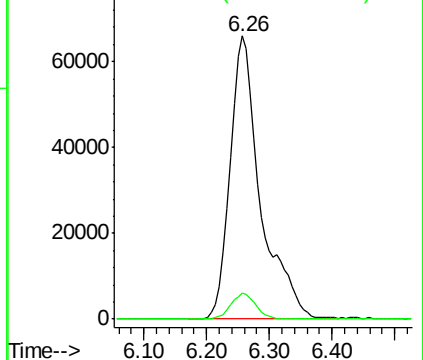
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 9.97 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

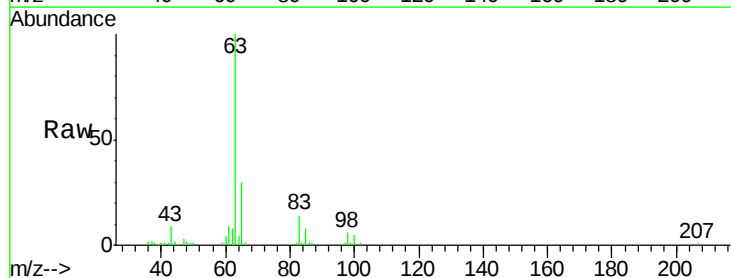
Tgt Ion: 63 Resp: 46934

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.6

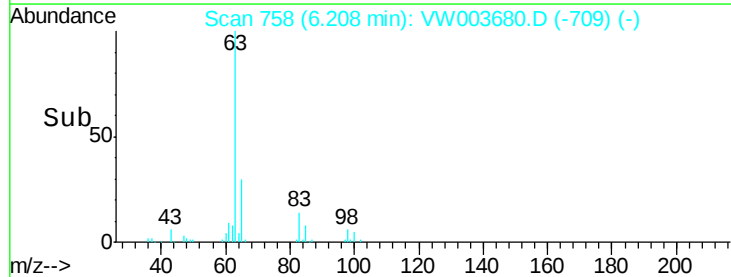
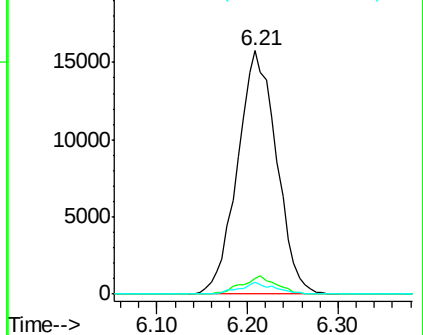
100 4.8 1.9 5.7

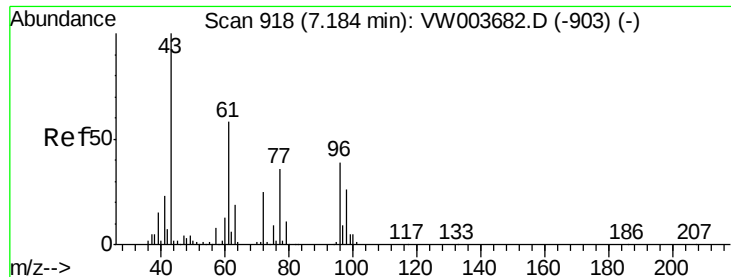


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 56.17 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 40848

Ion Ratio Lower Upper

43 100

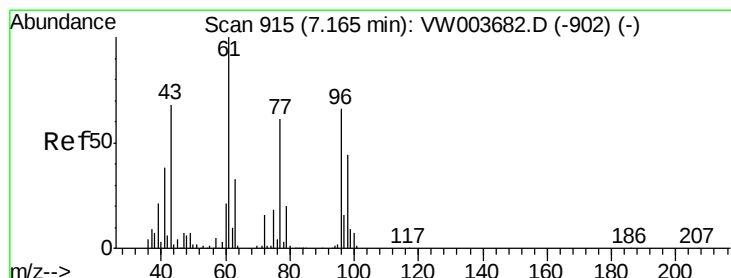
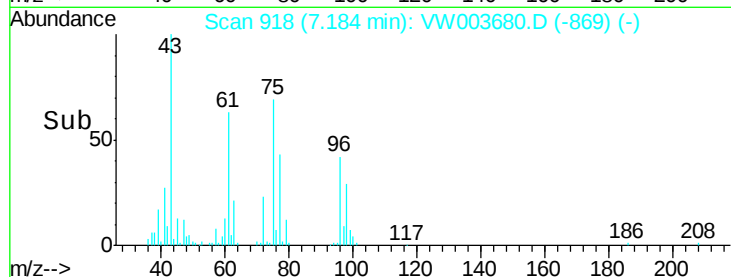
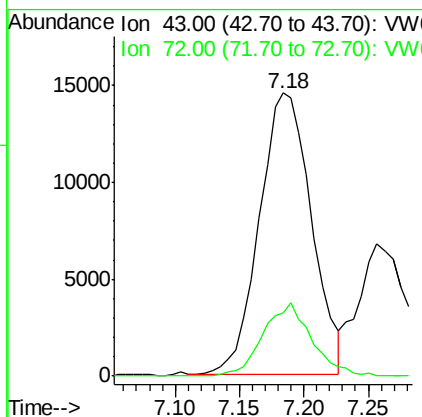
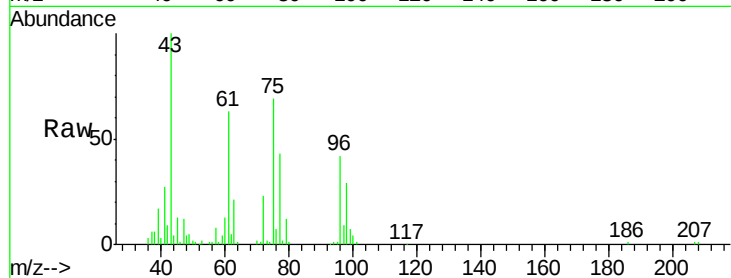
72 22.6 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 9.74 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003680.D

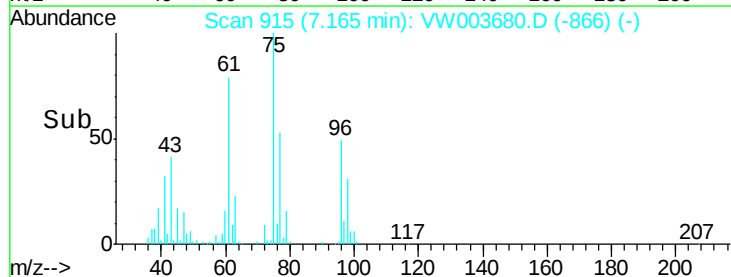
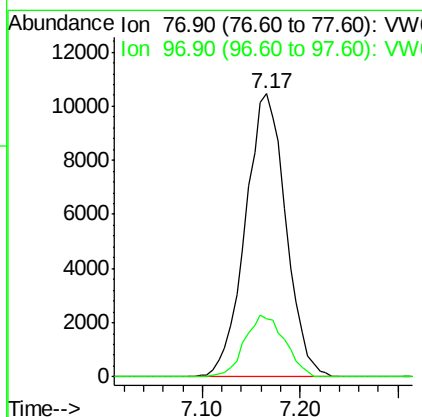
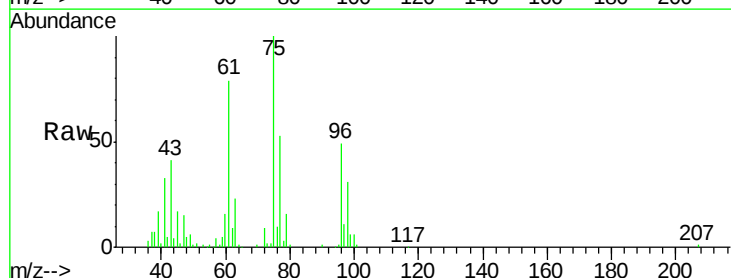
Acq: 02 Jul 2018 16:58

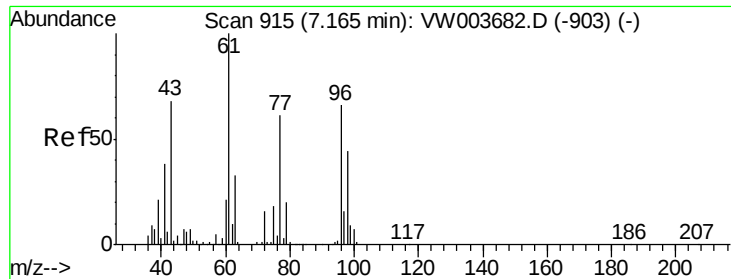
Tgt Ion: 77 Resp: 30047

Ion Ratio Lower Upper

77 100

97 21.6 11.7 35.1





#27

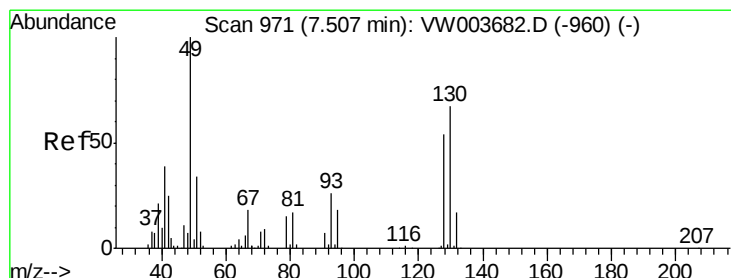
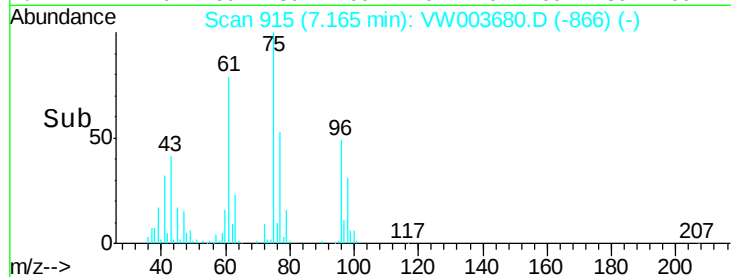
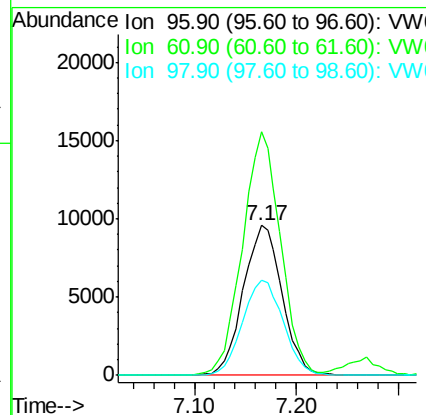
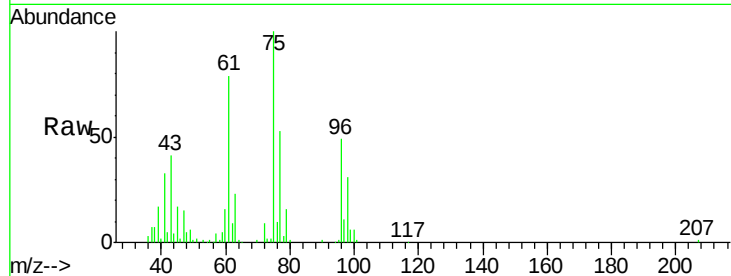
cis-1,2-Dichloroethene
 Concen: 9.34 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	305.0
98	66.2	0.0	129.6

Manual Integrations
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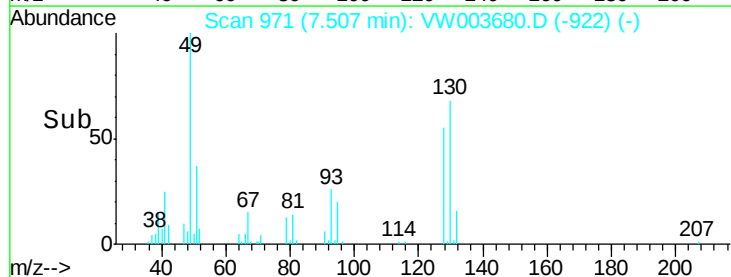
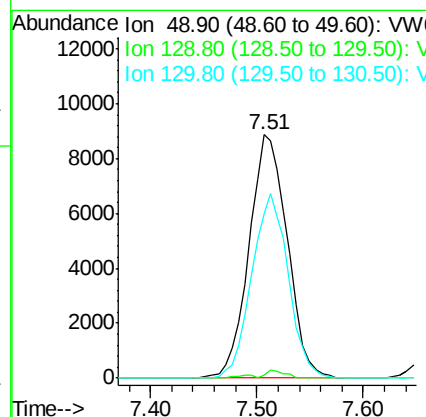
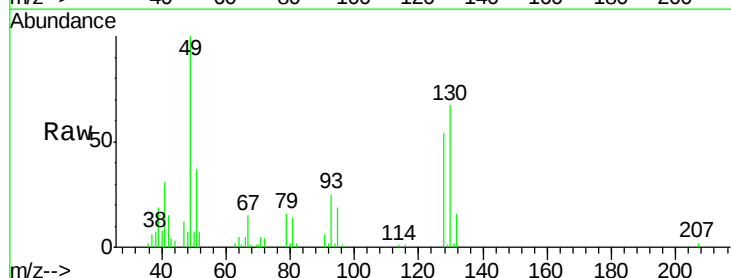
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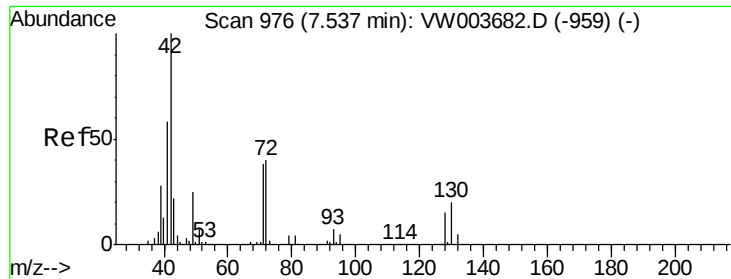


#28

Bromochloromethane
 Concen: 11.41 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	72.6	57.0	85.6





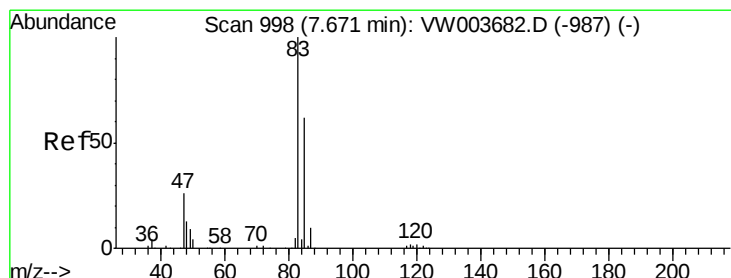
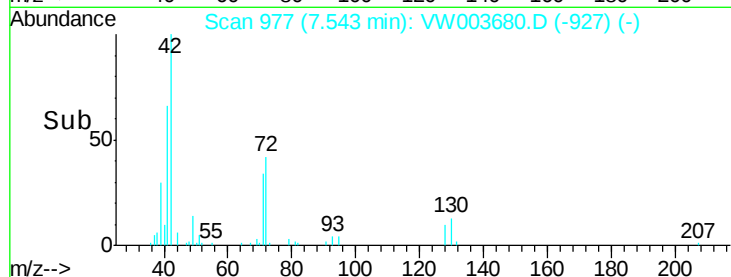
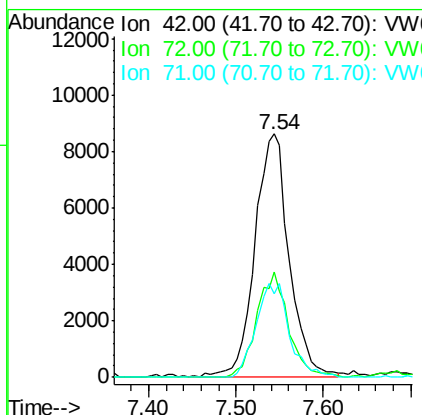
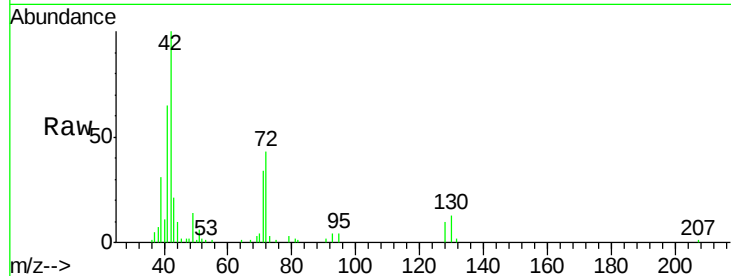
#29
Tetrahydrofuran
Concen: 52.79 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	37.6	30.2	45.2

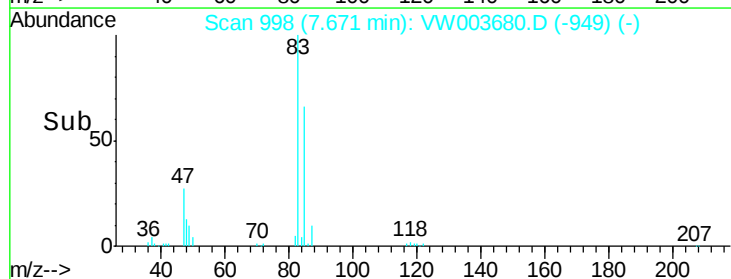
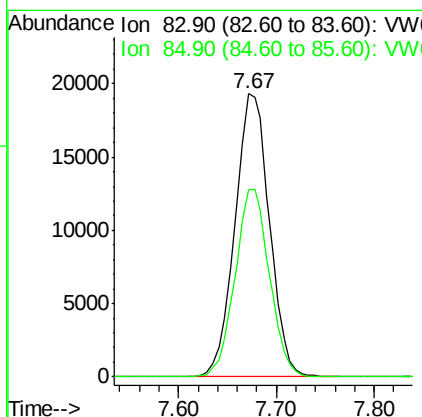
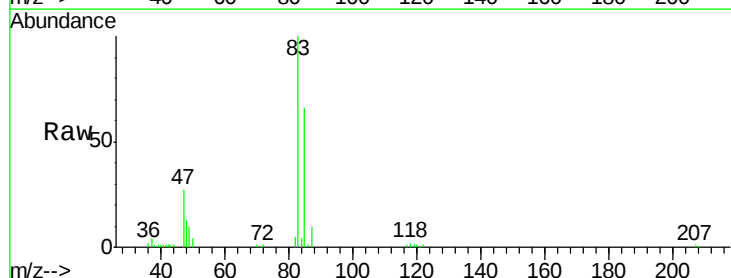
Manual Integrations
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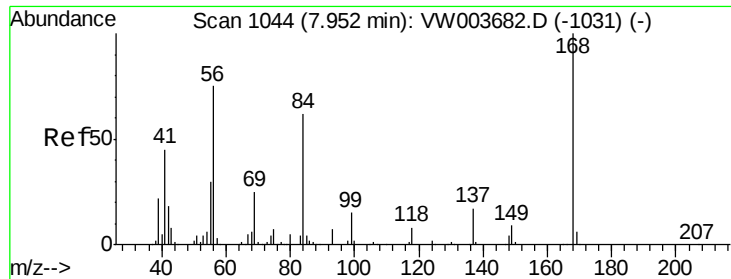
apatel
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#30
Chloroform
Concen: 9.89 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.7	74.5





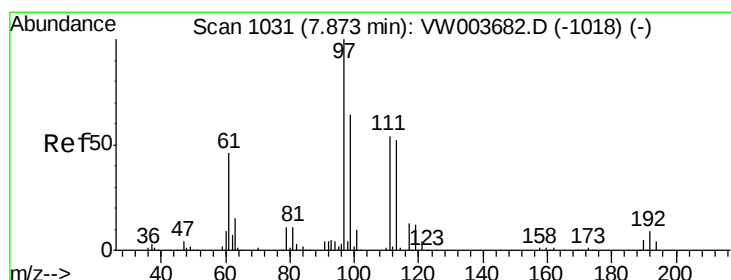
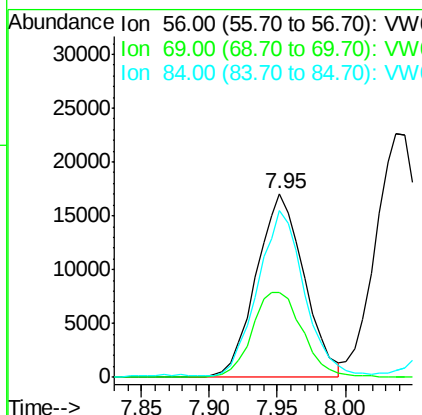
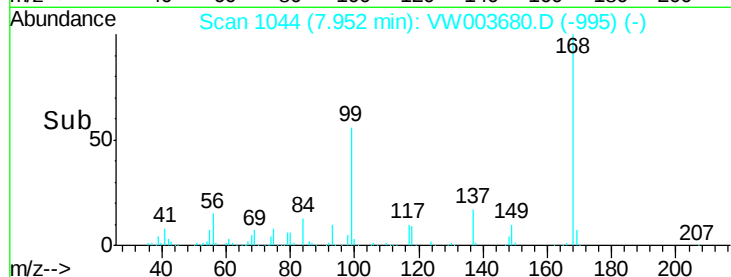
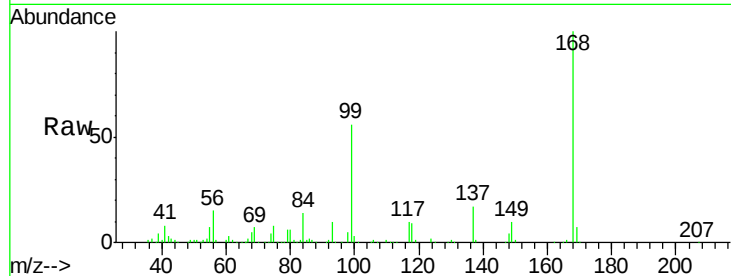
#31
Cyclohexane
Concen: 9.52 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.2	27.0	40.4#
84	89.6	65.4	98.0

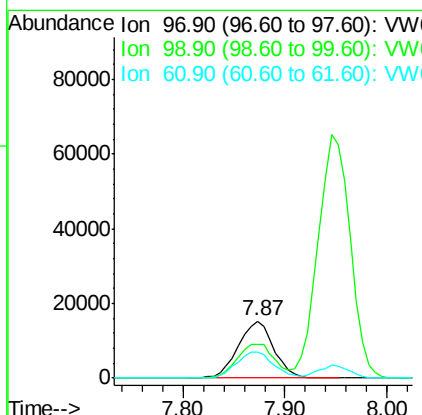
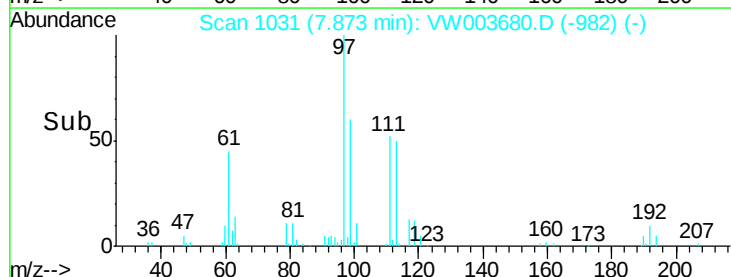
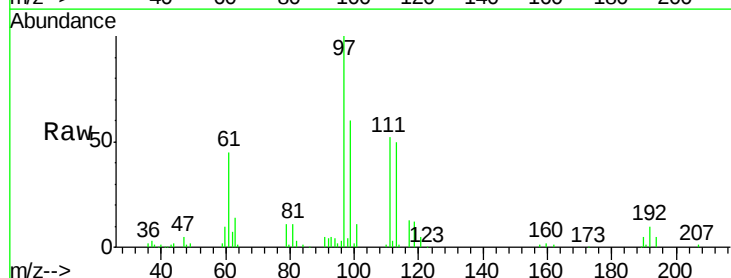
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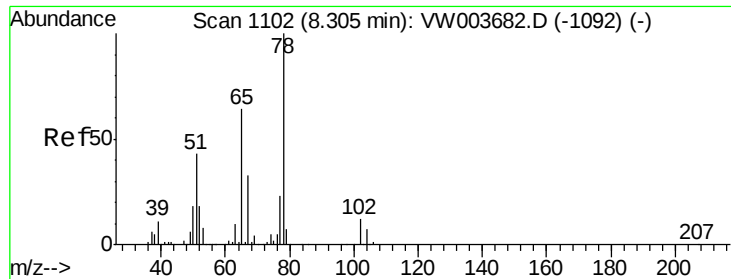
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#32
1,1,1-Trichloroethane
Concen: 9.43 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.6	76.0
61	48.3	37.2	55.8





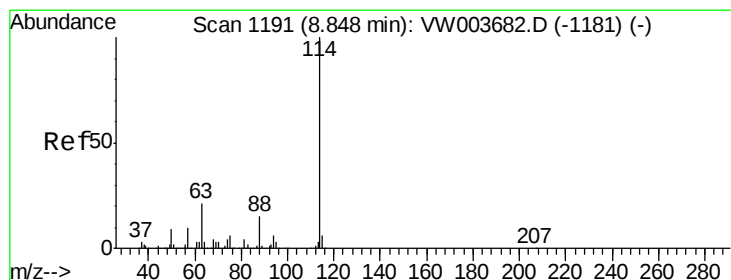
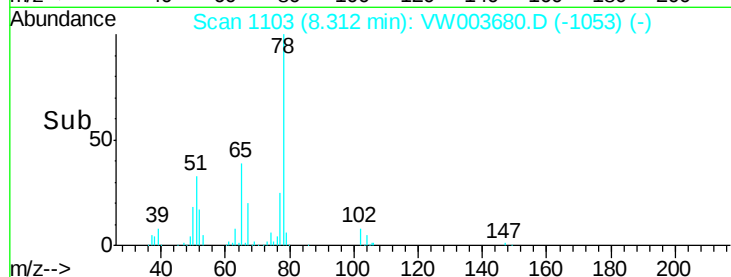
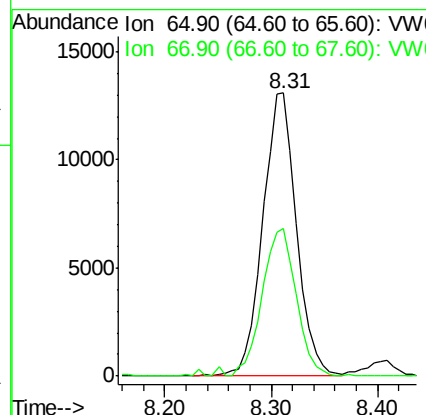
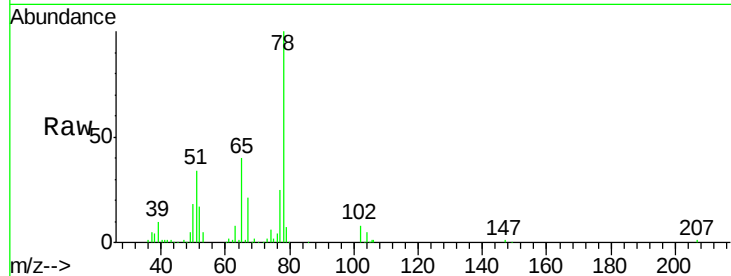
#33
 1,2-Dichloroethane-d4
 Concen: 10.65 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	29019		
67	52.6	0.0	104.0	

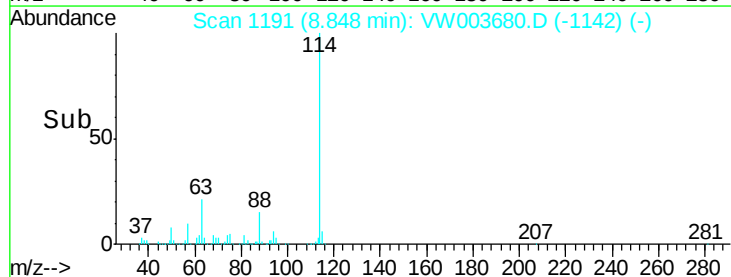
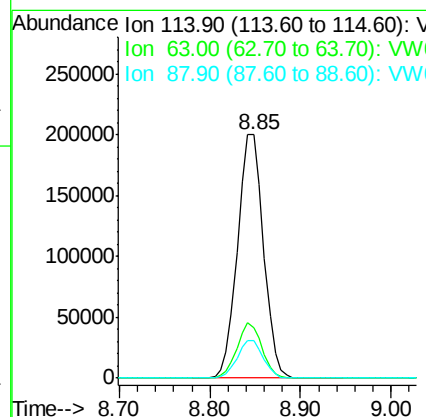
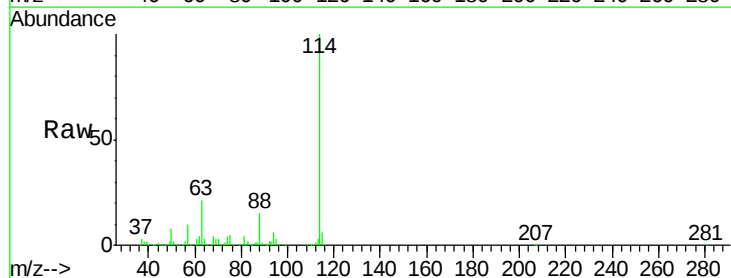
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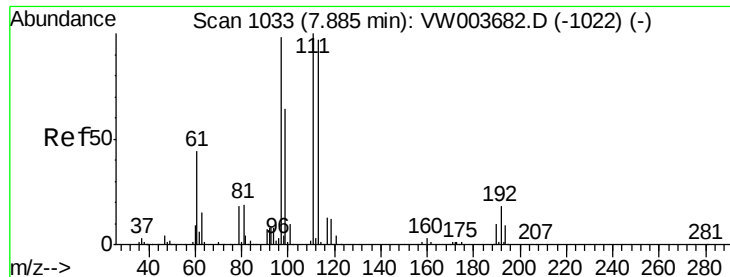
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397549		
63	20.9	0.0	41.6	
88	15.4	0.0	29.8	





#35

Dibromofluoromethane

Concen: 9.79 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

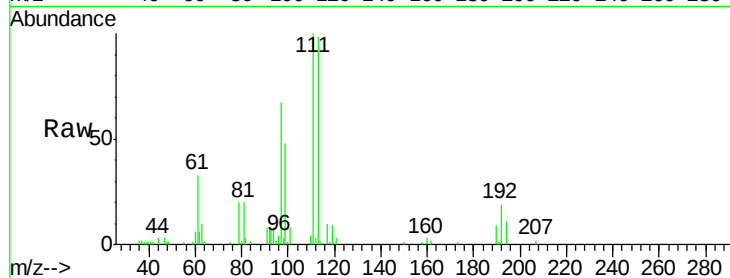
ClientSampled :

VSTDIC010

Tot Ion:	113	Resp:	24573
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.4	123.6
192	20.3	15.8	23.6

Manual Integrations
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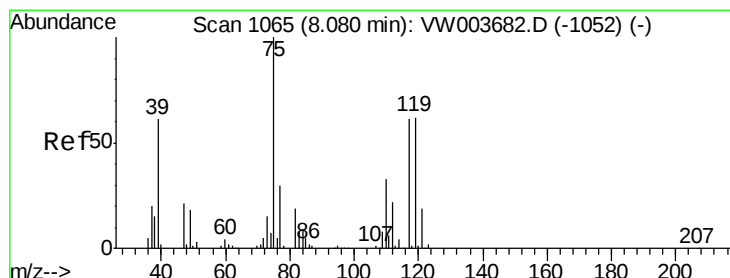
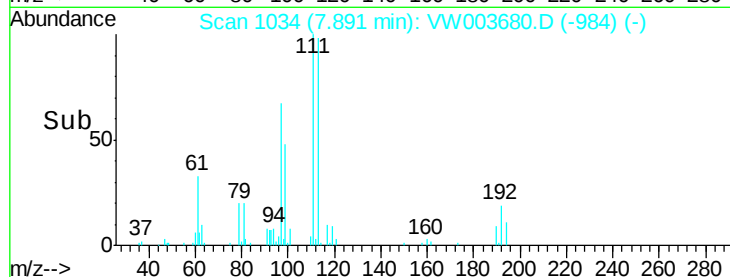
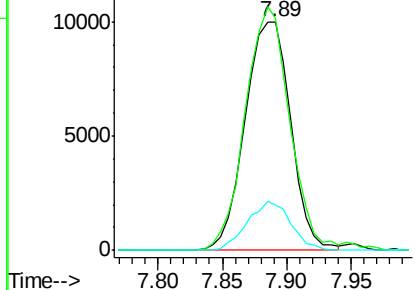
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 9.20 ug/l

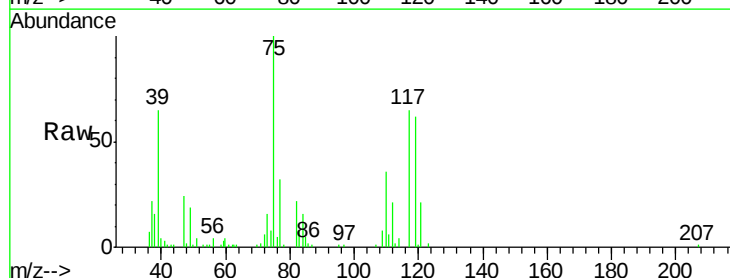
RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

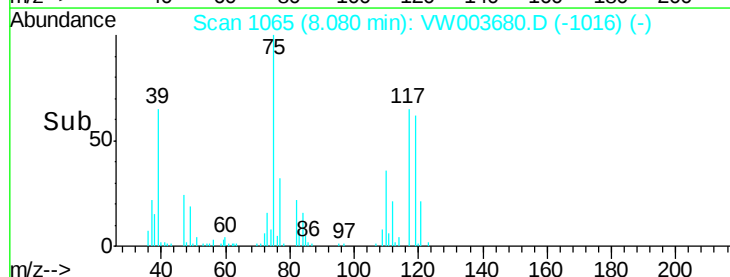
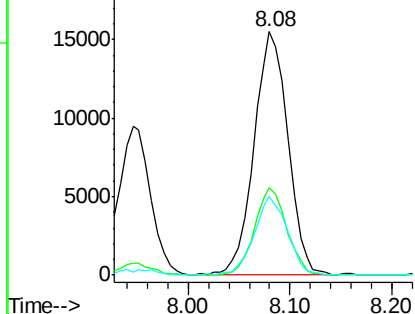
Tgt Ion:	75	Resp:	35972
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.5	24.9	37.3

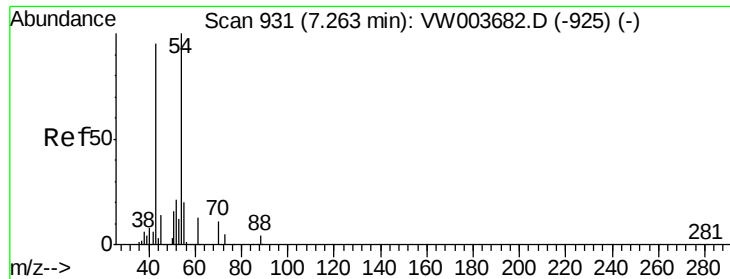


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





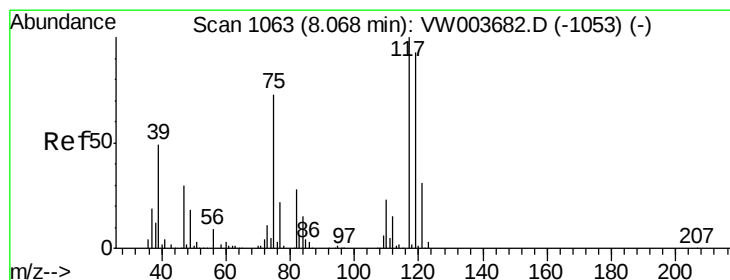
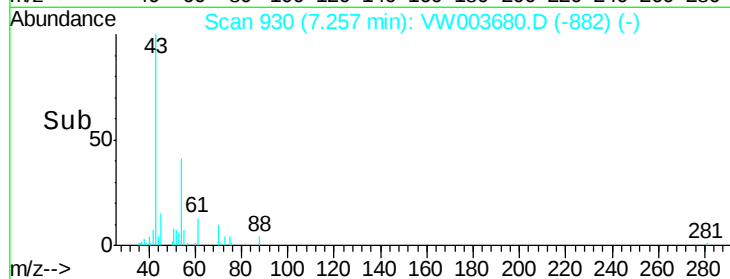
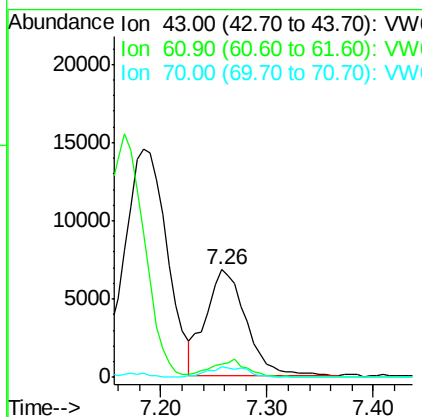
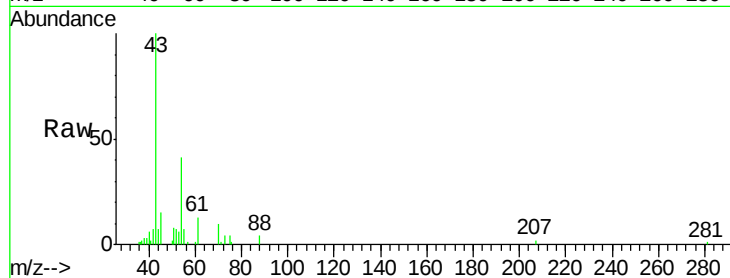
#37
Ethyl Acetate
Concen: 10.65 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.5	15.7
70	9.8	7.7	11.5

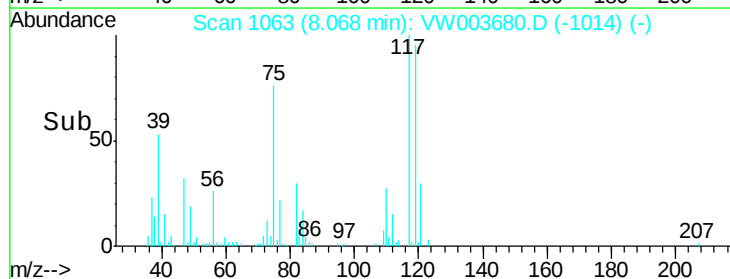
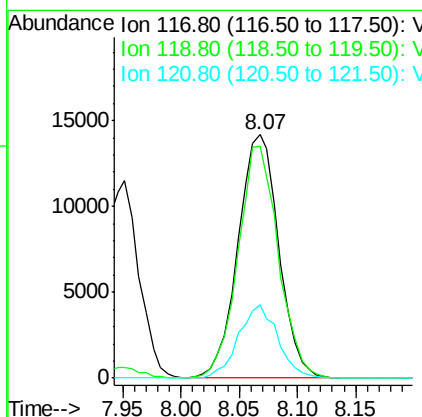
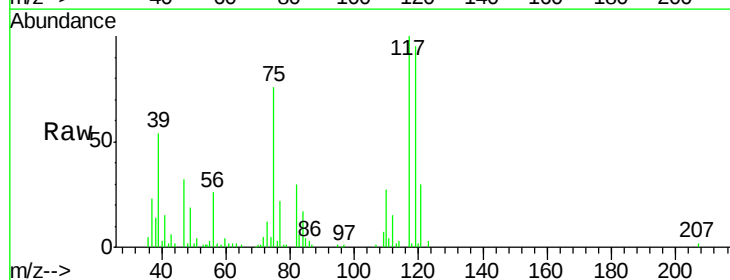
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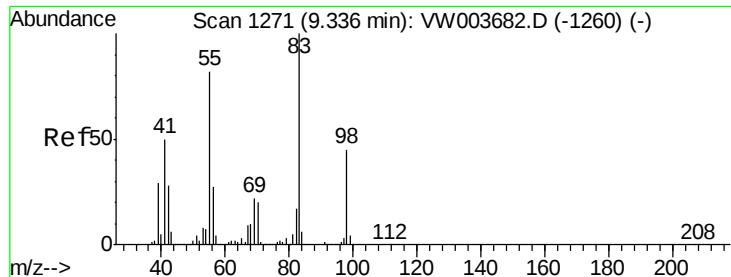
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#38
Carbon Tetrachloride
Concen: 9.10 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.1	111.1
121	30.2	25.0	37.4





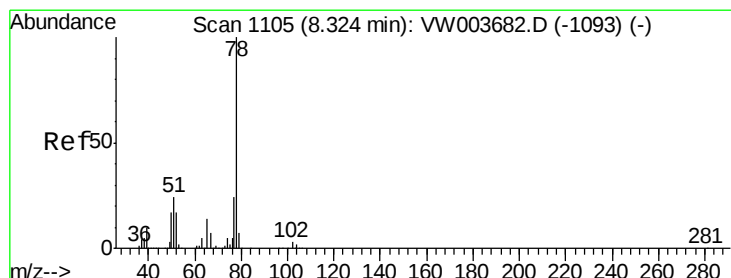
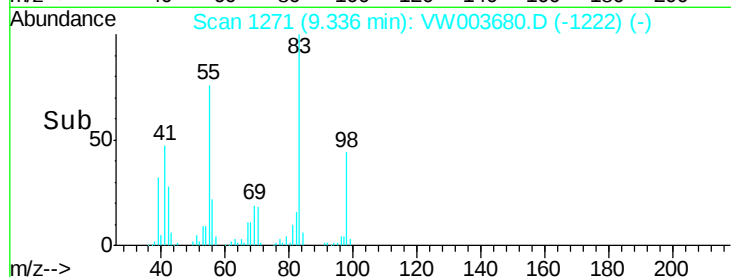
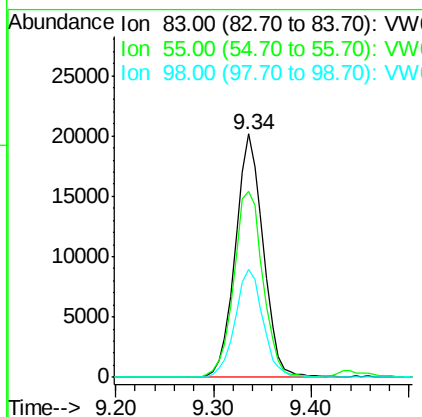
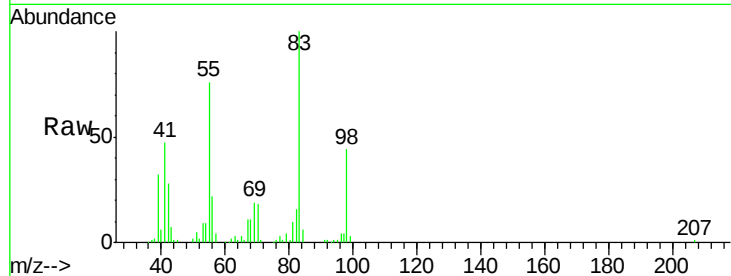
#39
Methvlcvclohexane
Concen: 8.75 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	83	Resp	39709
Ion Ratio	Lower	Upper	
83	100		
55	76.2	65.3	97.9
98	44.2	36.3	54.5

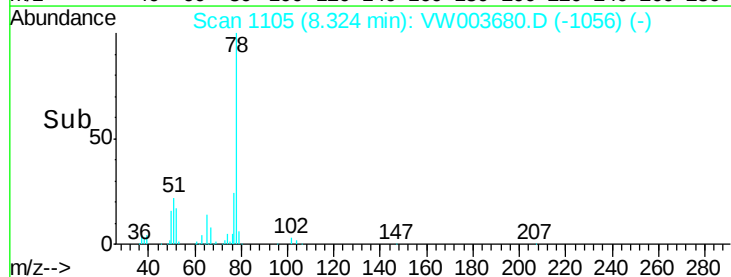
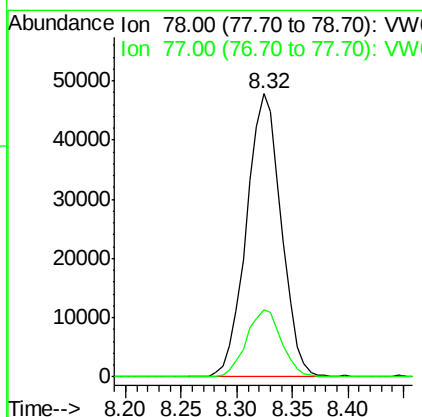
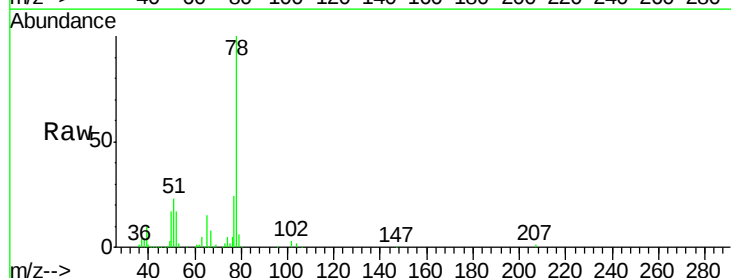
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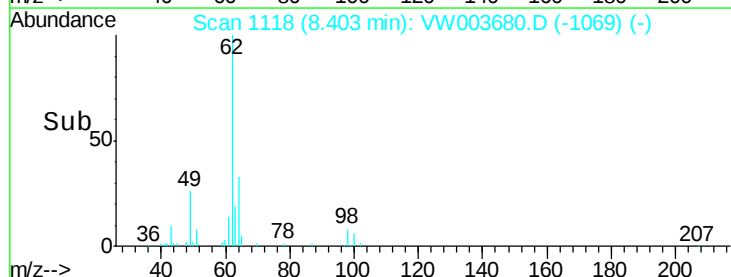
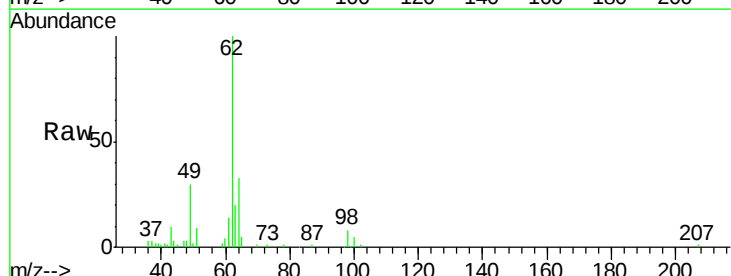
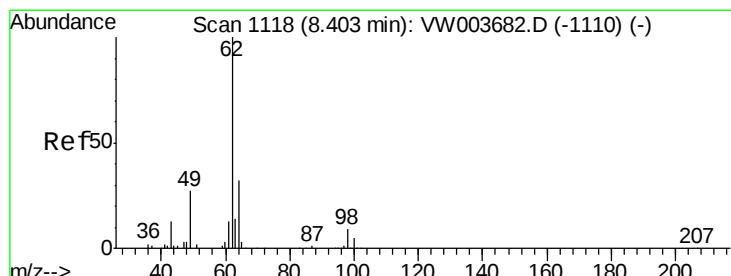
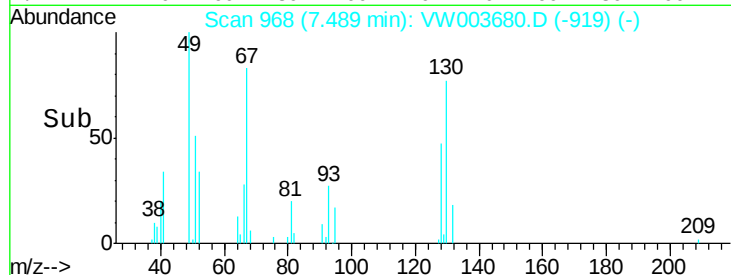
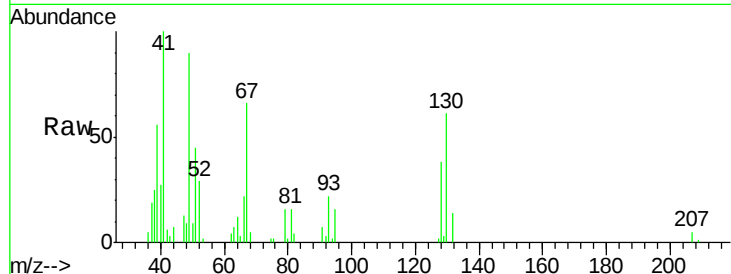
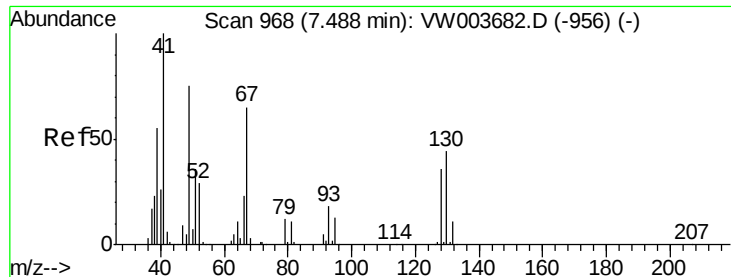
apatel
7/3/2018 10:16:25 AM



#40
Benzene
Concen: 9.65 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	78	Resp	104046
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.4	29.0





#41

Methacrylonitrile

Concen: 8.77 ug/l

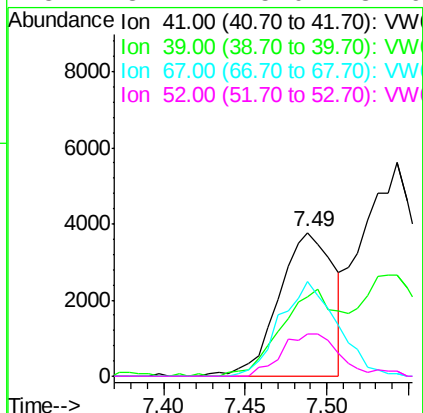
RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Tot Ion:	41	Resp:	8806
Ion	Ratio	Lower	Upper
41	100		
39	65.9	47.8	71.8
67	68.9	53.9	80.9
52	32.1	25.0	37.6



Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Manual Integrations
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apatel
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#42

1,2-Dichloroethane

Concen: 9.61 ug/l

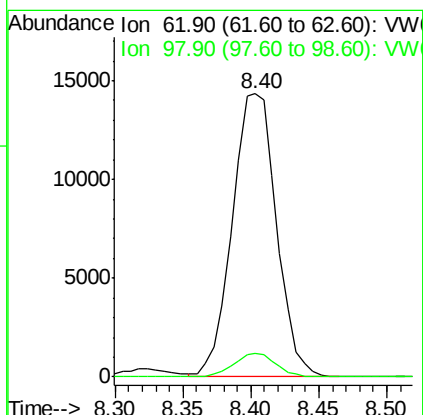
RT: 8.40 min Scan# 1118

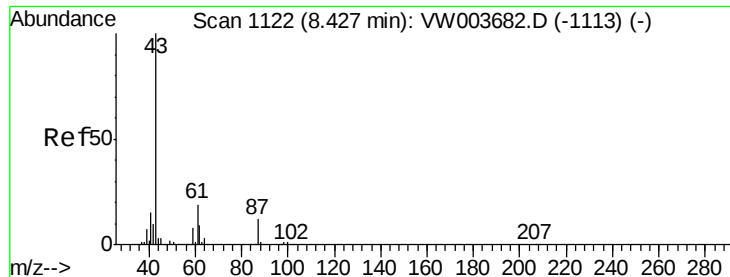
Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Tgt Ion:	62	Resp:	32436
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	17.2





#43

Isopropyl Acetate

Concen: 9.67 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

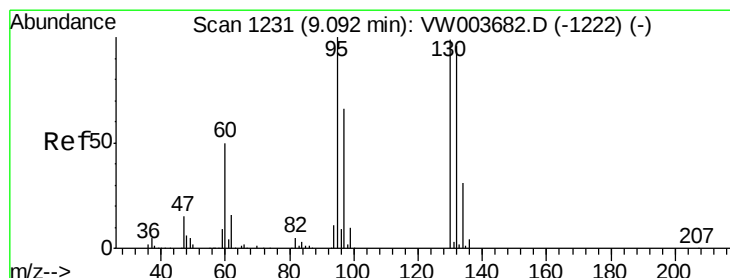
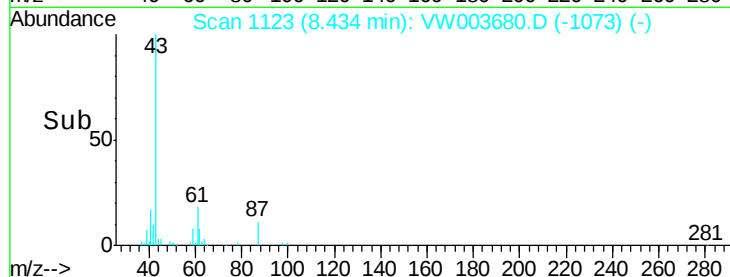
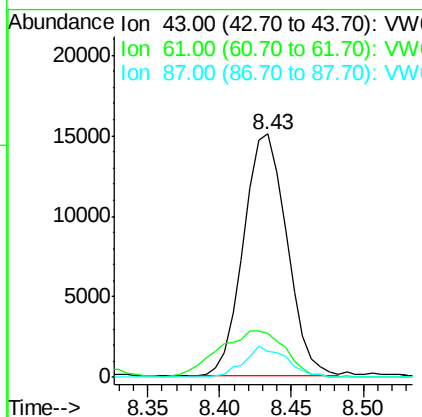
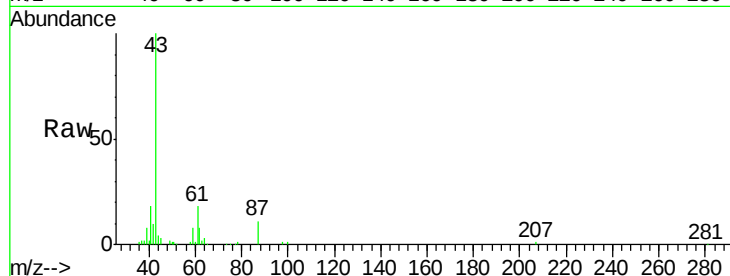
ClientSampled :

VSTDIC010

Tot Ion:	43	Resp:	31468
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.0	34.6
87	12.7	9.8	14.6

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#44

Trichloroethene

Concen: 9.53 ug/l

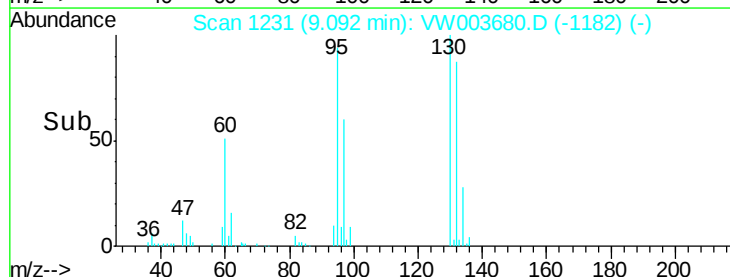
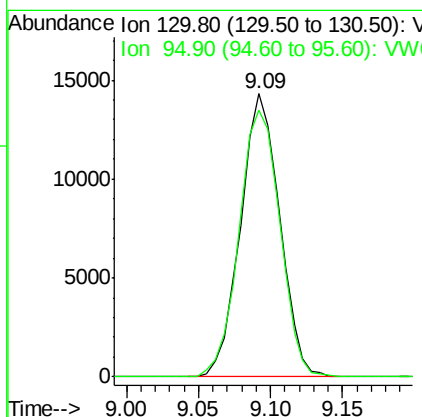
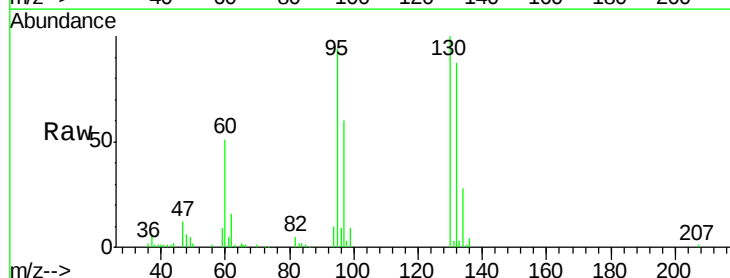
RT: 9.09 min Scan# 1231

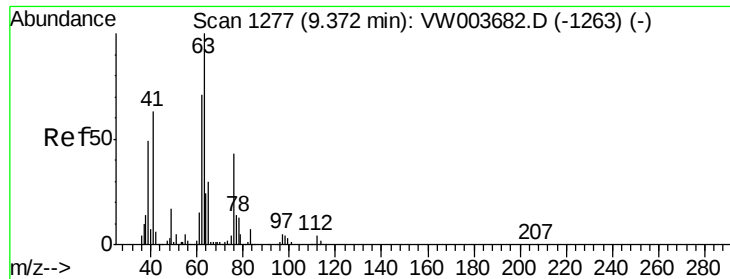
Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Tgt Ion:	130	Resp:	27001
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	202.6





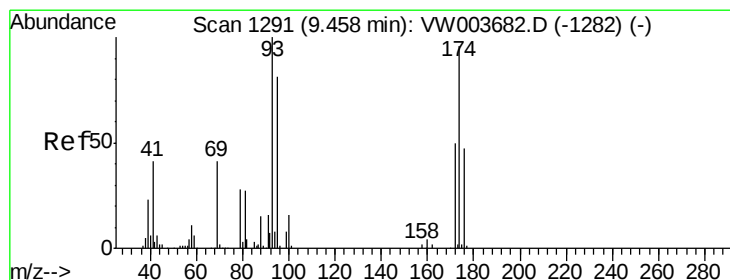
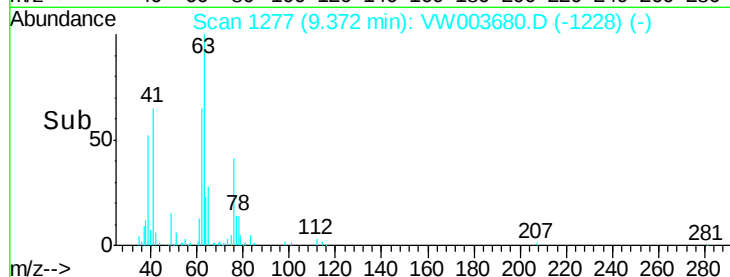
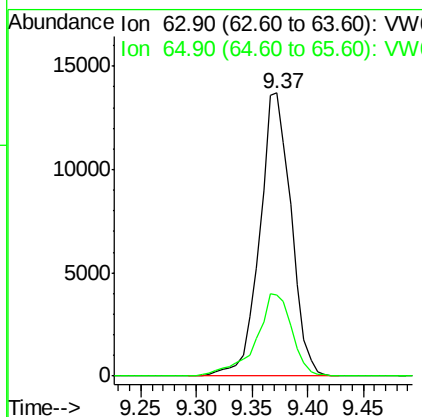
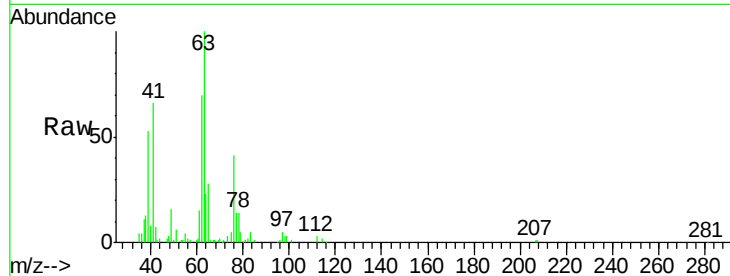
#45
 1,2-Dichloropropane
 Concen: 9.83 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.5	24.3	36.5

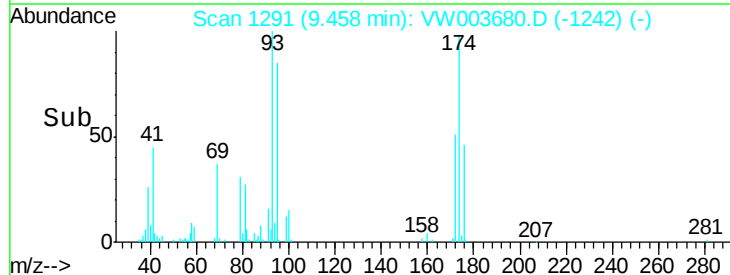
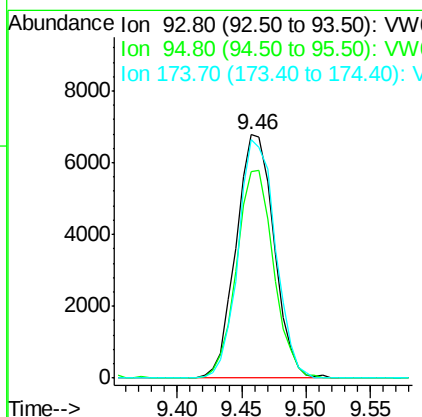
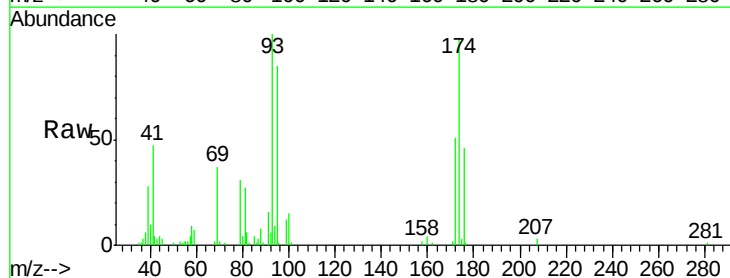
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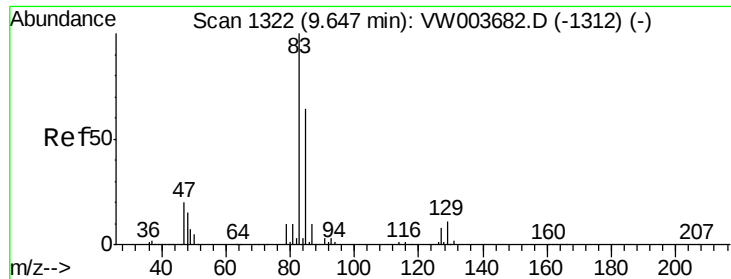
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#46
 Dibromomethane
 Concen: 9.81 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.2	99.4
174	95.2	79.6	119.4





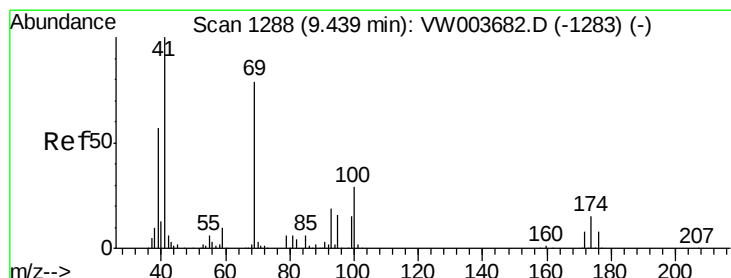
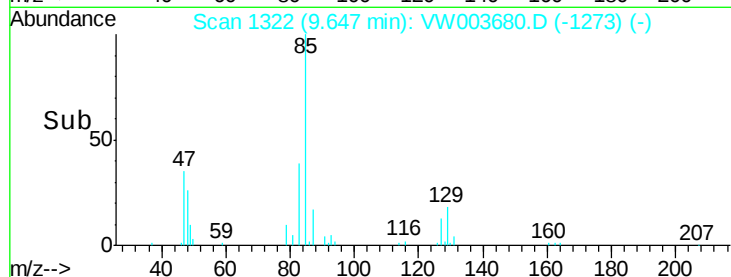
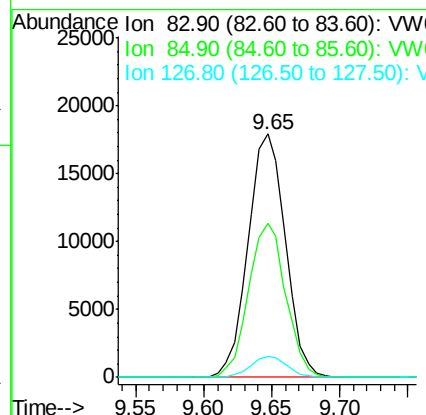
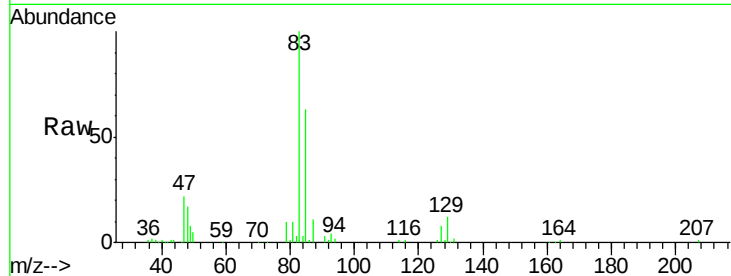
#47
Bromodichloromethane
Concen: 9.57 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	34438
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.4	6.5	9.7

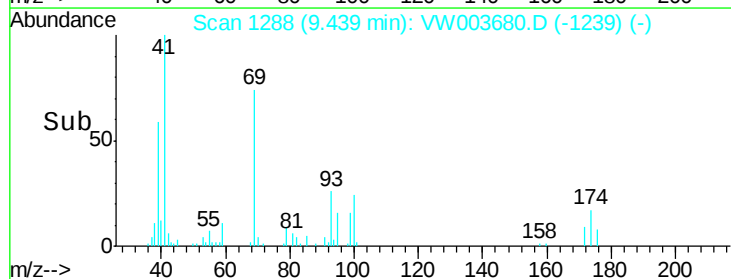
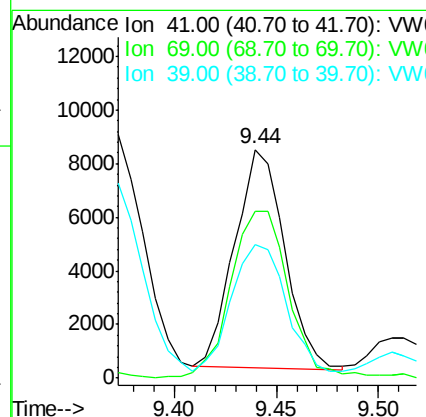
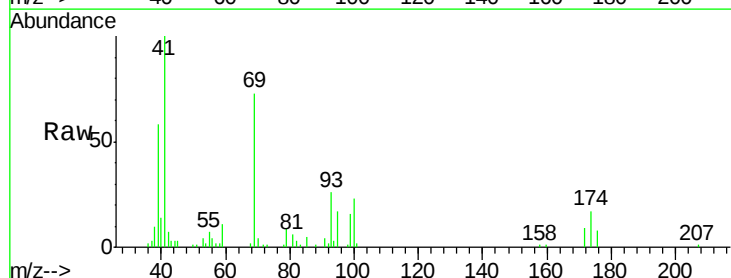
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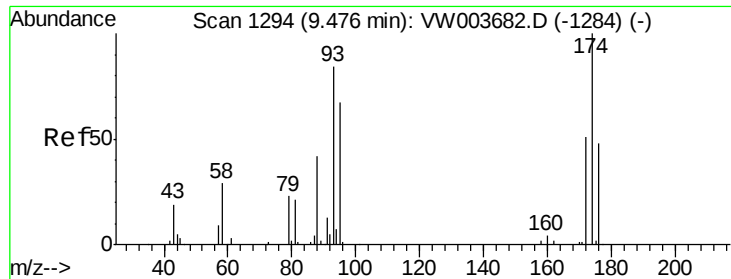
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#48
Methyl methacrylate
Concen: 9.04 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	41	Resp	13873
Ion Ratio	100	Lower	Upper
41	100		
69	89.6	65.4	98.2
39	68.5	50.0	75.0





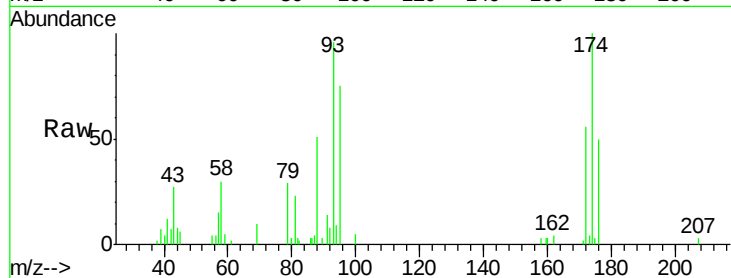
#49
1,4-Dioxane
Concen: 205.04 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

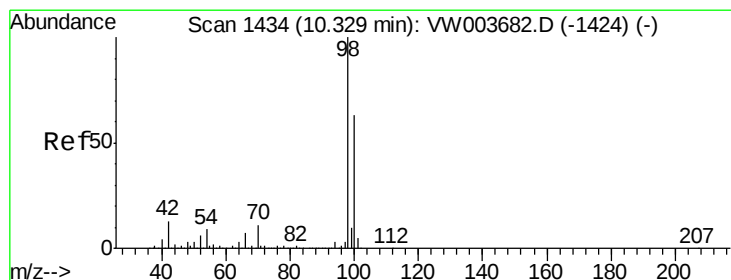
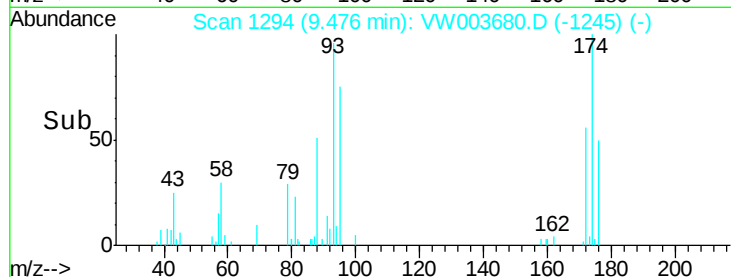
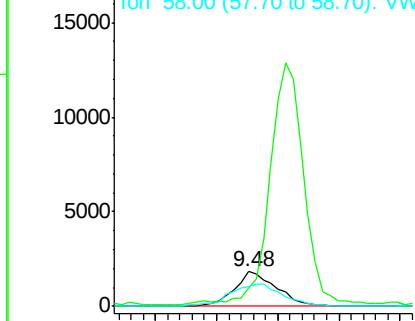
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	80.0	61.8	92.6

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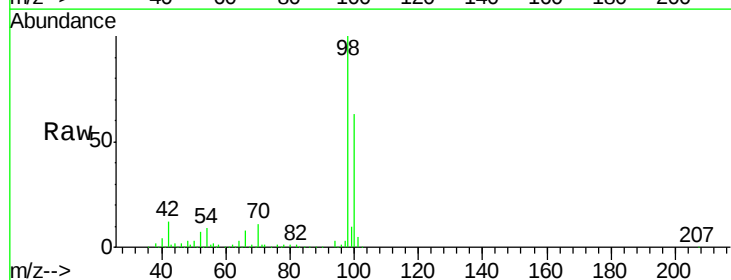


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

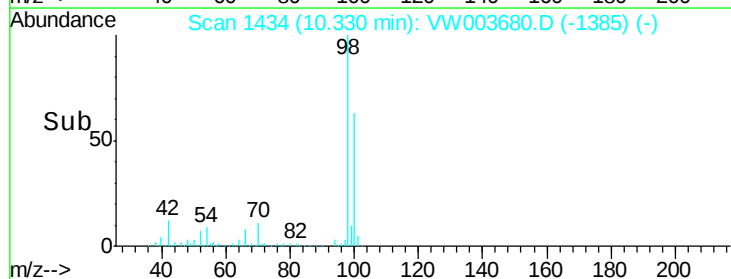
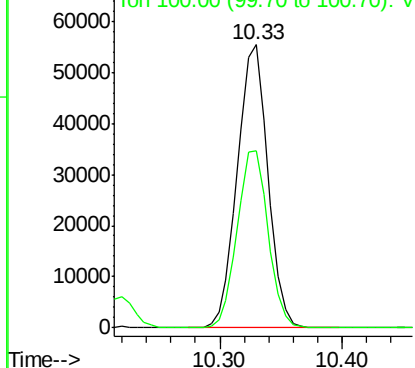


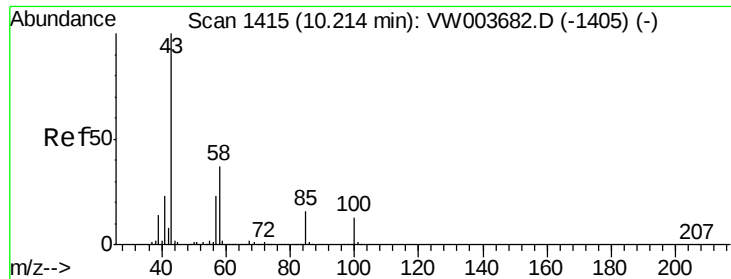
#50
Toluene-d8
Concen: 9.68 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.8	76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 50.16 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 83752

Ion Ratio Lower Upper

43 100

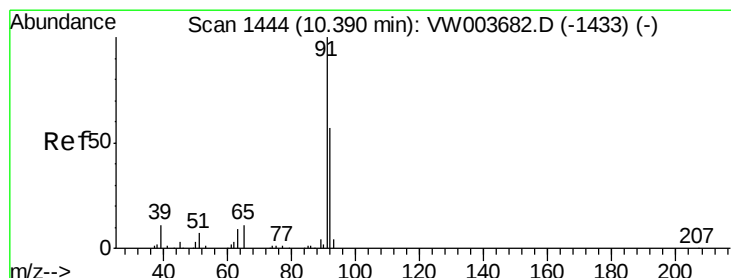
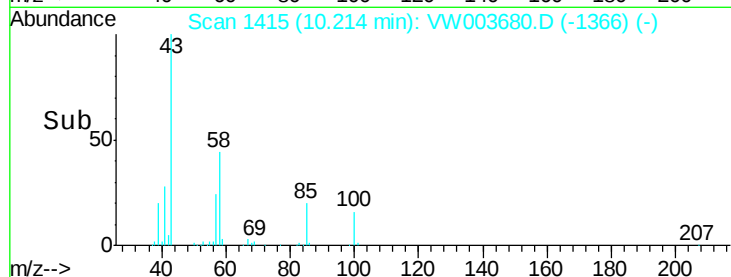
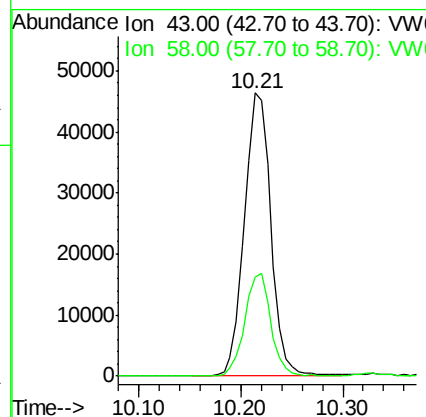
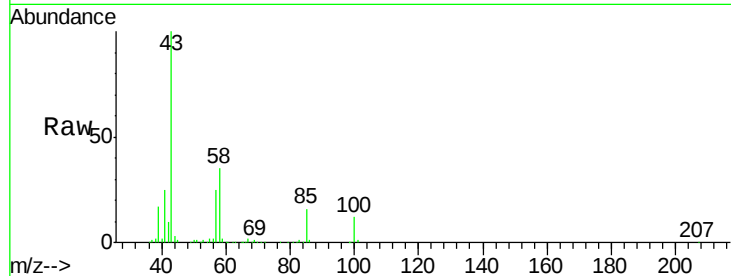
58 35.6 29.6 44.4

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#52

Toluene

Concen: 9.14 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003680.D

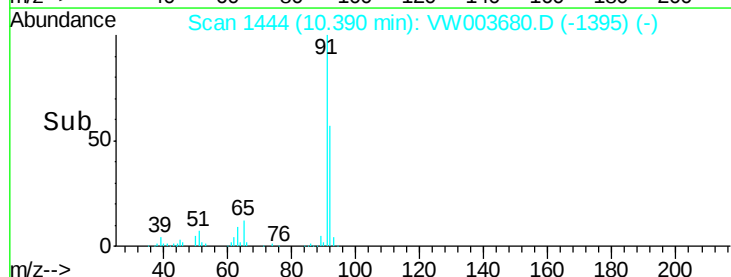
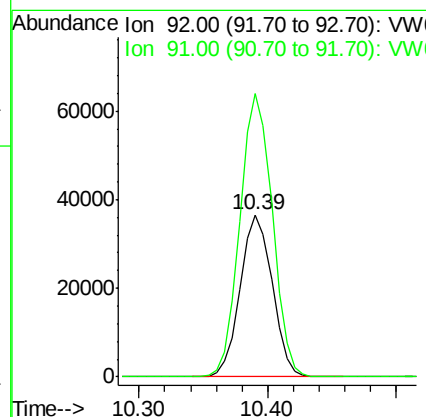
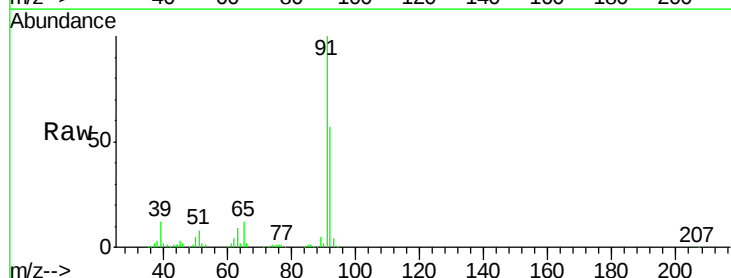
Acq: 02 Jul 2018 16:58

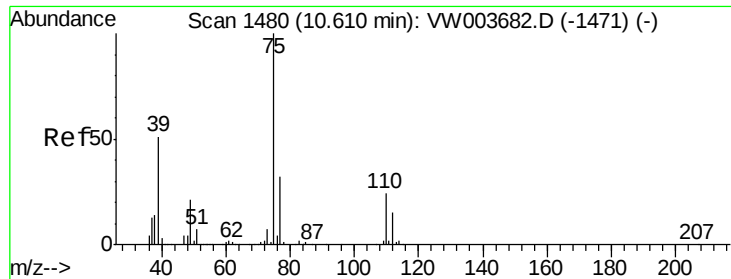
Tgt Ion: 92 Resp: 63068

Ion Ratio Lower Upper

92 100

91 177.0 140.2 210.2





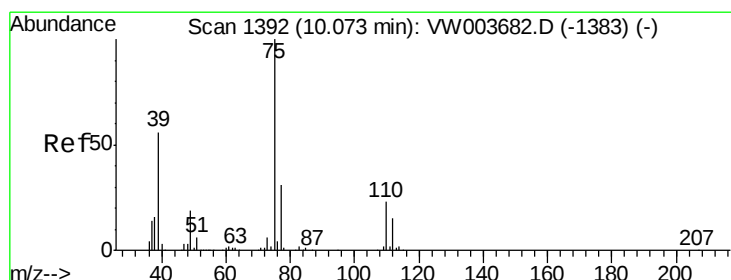
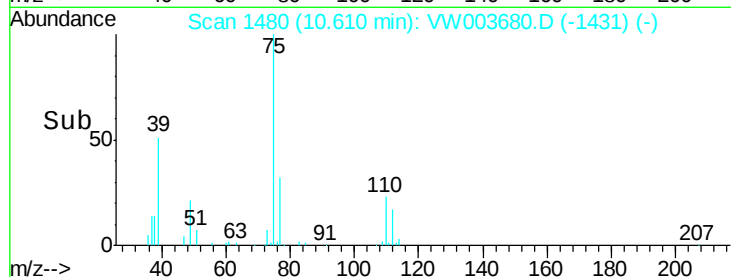
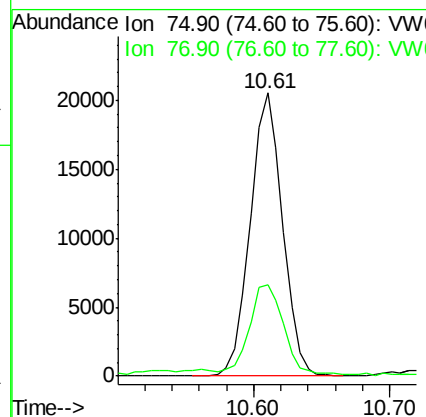
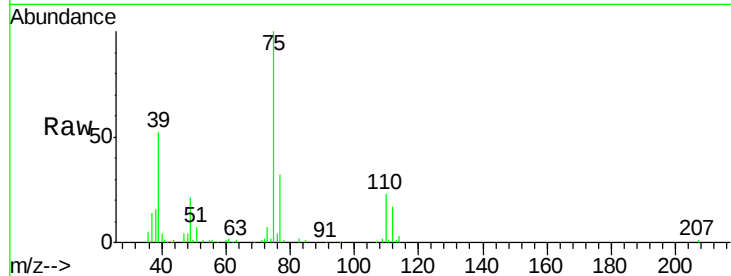
#53
 t-1,3-Dichloropropene
 Concen: 9.28 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	75	Resp	34176
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.5	38.3

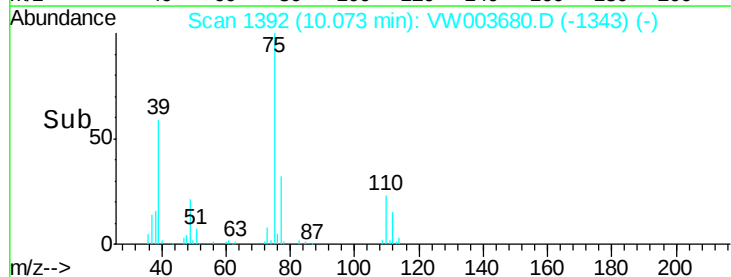
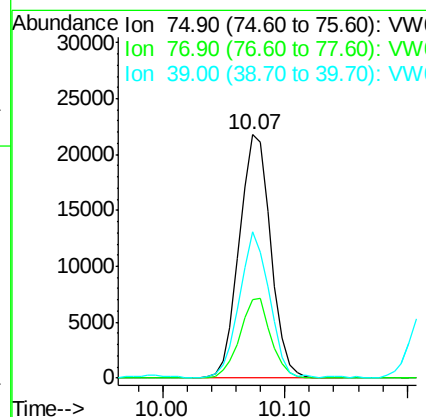
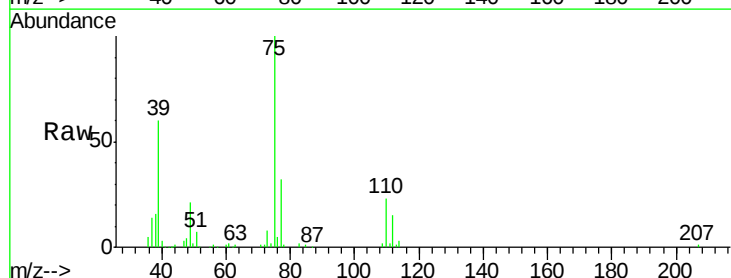
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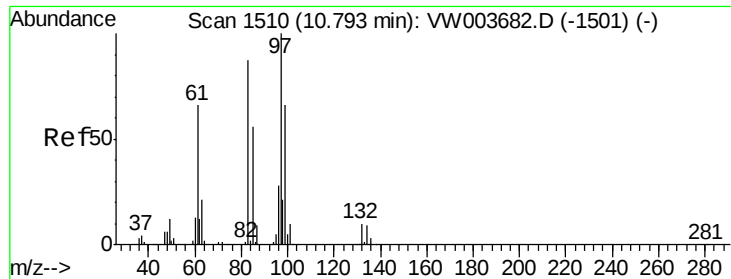
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#54
 cis-1,3-Dichloropropene
 Concen: 9.22 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	75	Resp	38728
Ion Ratio	Lower	Upper	
75	100		
77	32.4	24.9	37.3
39	59.7	44.6	67.0





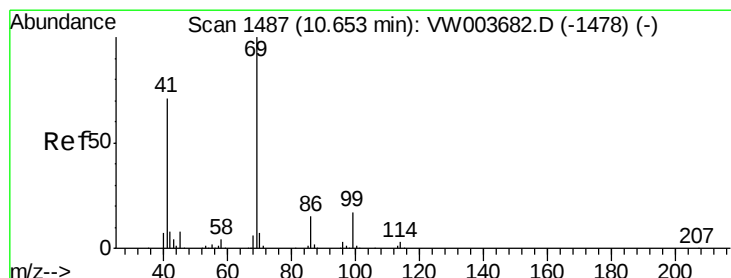
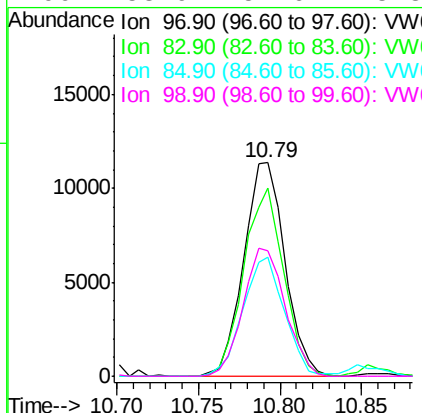
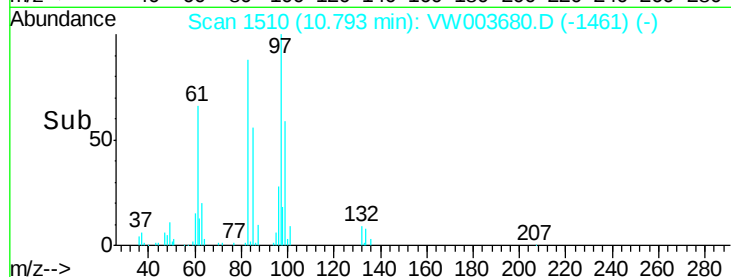
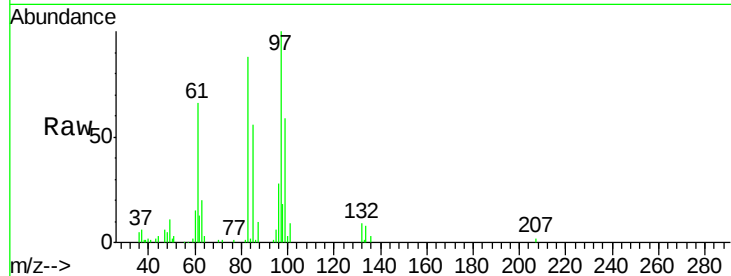
#55
 1,1,2-Trichloroethane
 Concen: 10.04 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	19958
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.5	104.3
85	55.6	44.7	67.1
99	58.9	52.6	78.8

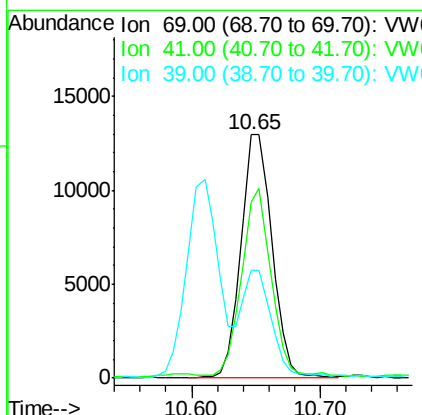
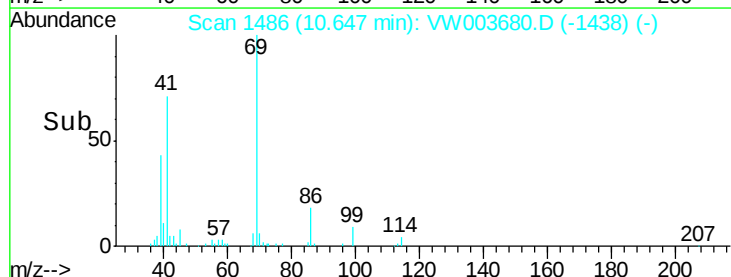
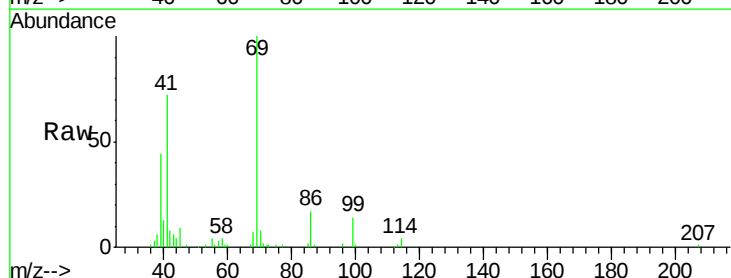
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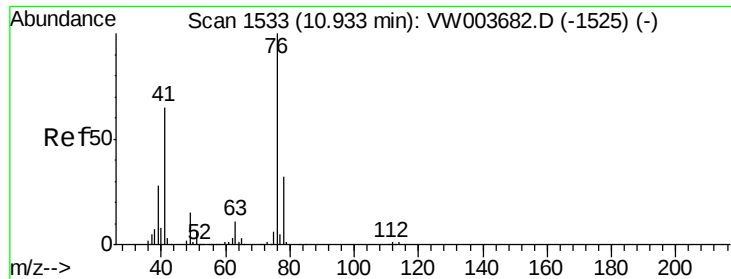
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#56
 Ethyl methacrylate
 Concen: 8.95 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion:	69	Resp:	21749
Ion	Ratio	Lower	Upper
69	100		
41	74.4	57.5	86.3
39	38.8	29.4	44.0





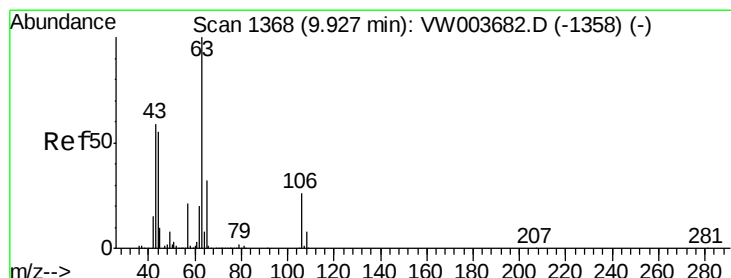
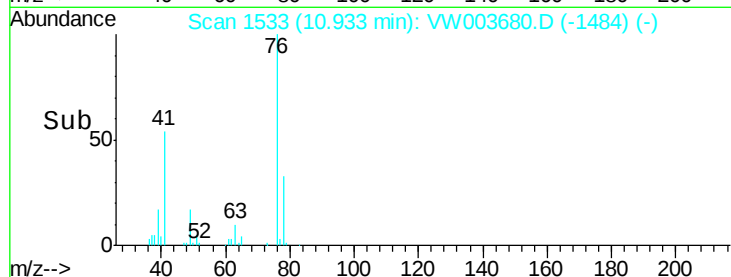
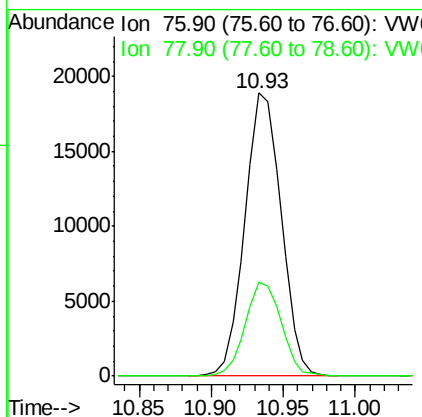
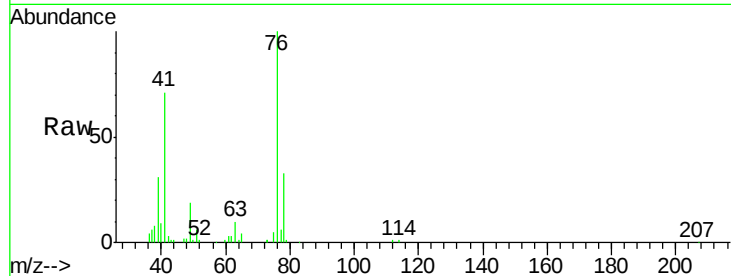
#57
 1,3-Dichloropropane
 Concen: 9.60 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 76 Resp: 32990
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.6 38.4

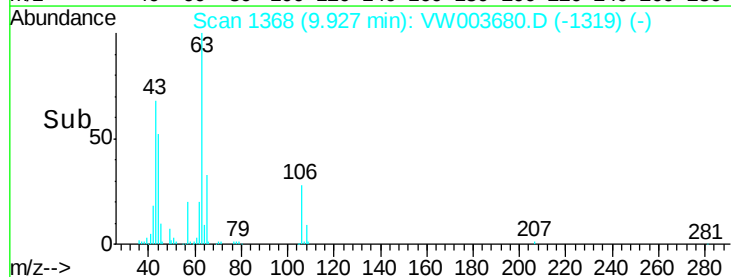
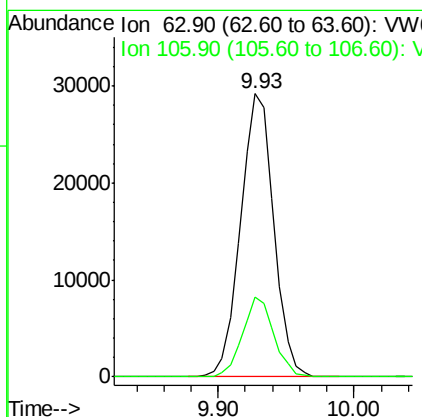
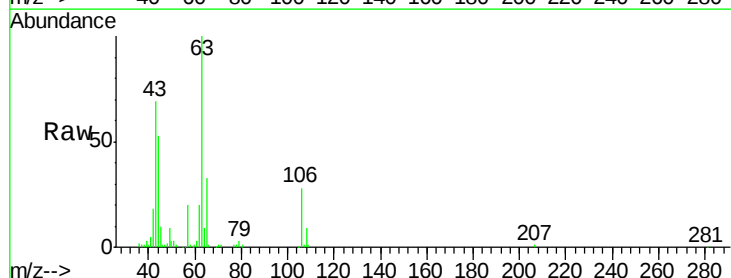
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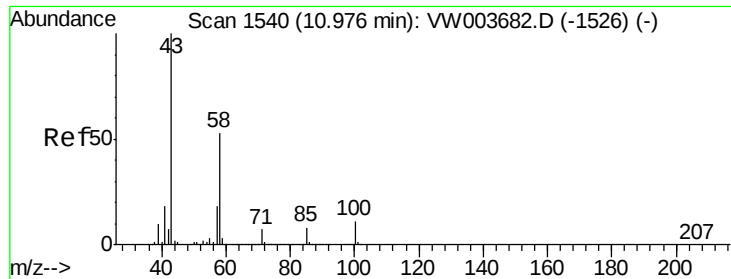
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#58
 2-Chloroethyl Vinyl ether
 Concen: 46.46 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion: 63 Resp: 49766
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.7 31.1





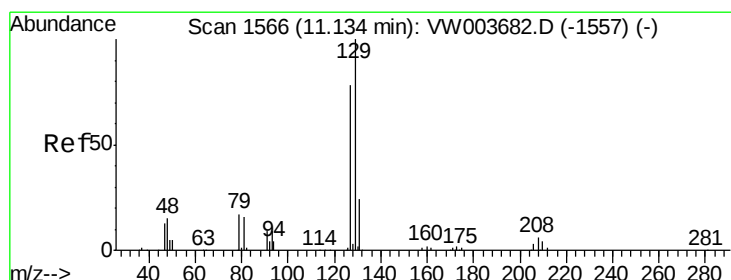
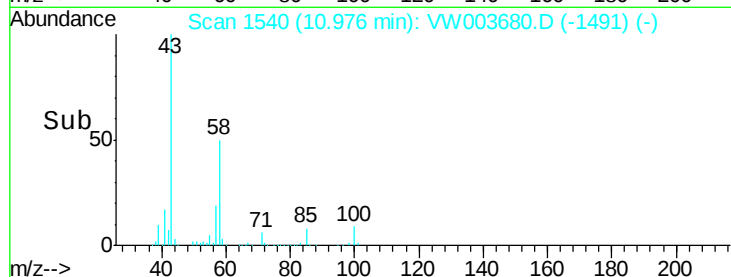
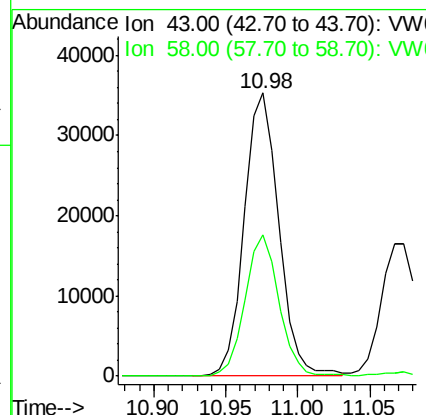
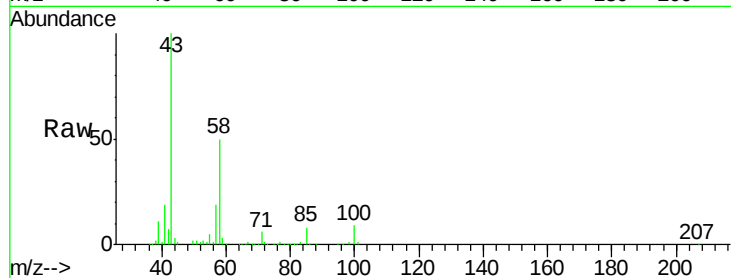
#59
2-Hexanone
Concen: 50.09 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 58553
Ion Ratio Lower Upper
43 100
58 49.1 25.9 77.6

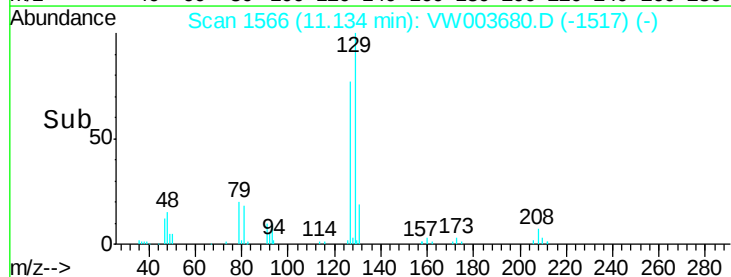
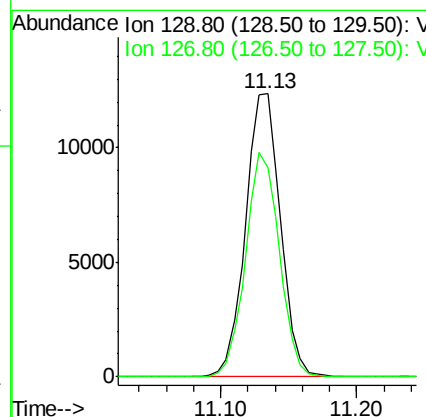
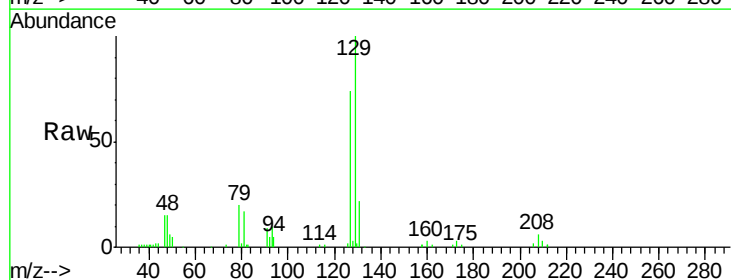
Manual Integrations
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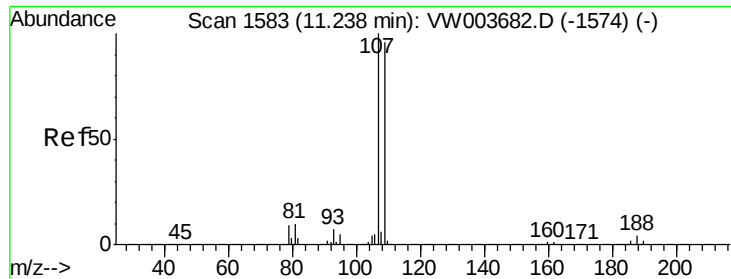
apatel
7/3/2018 10:16:25 AM



#60
Dibromochloromethane
Concen: 9.46 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion: 129 Resp: 22236
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 9.57 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 18003

Ion Ratio Lower Upper

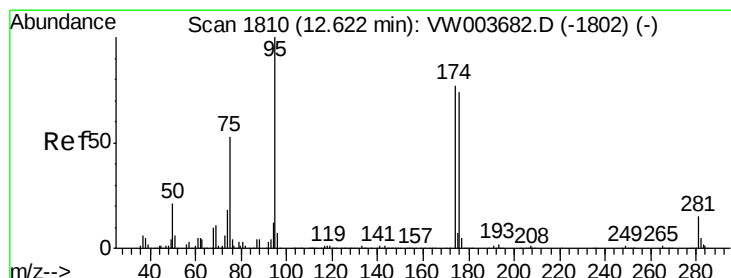
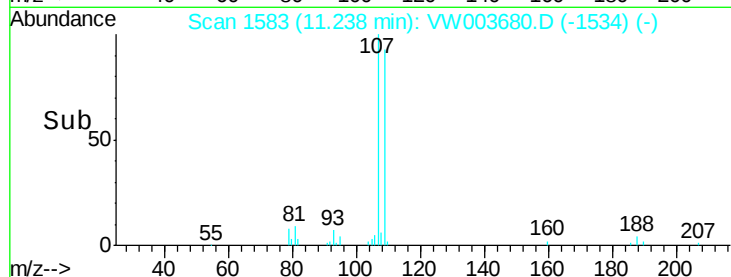
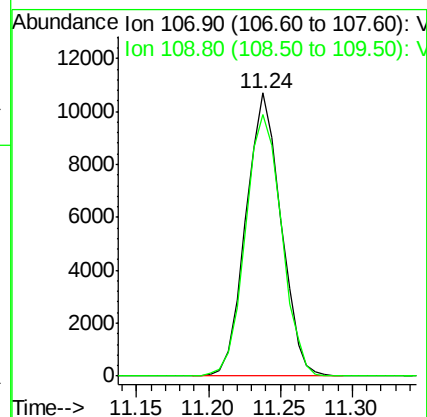
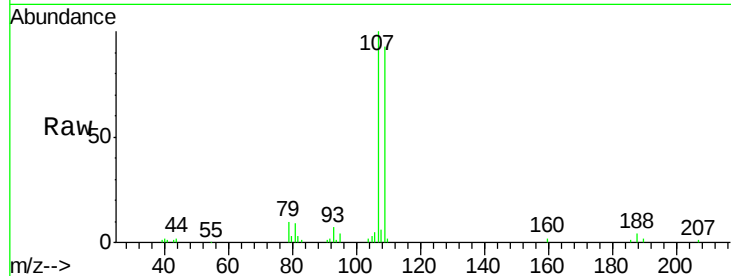
107 100

109 95.5 75.6 113.4

Manual Integrations
APPROVED

apatel

7/3/2018 10:16:25 AM



#62

4-Bromofluorobenzene

Concen: 9.73 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

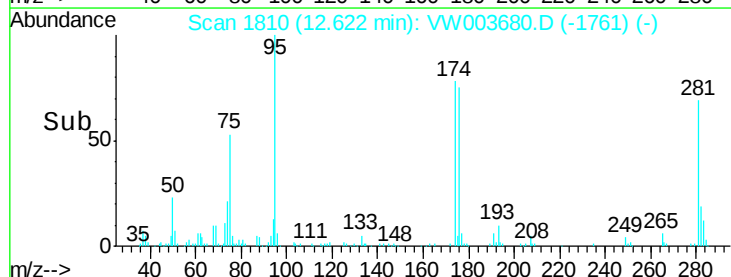
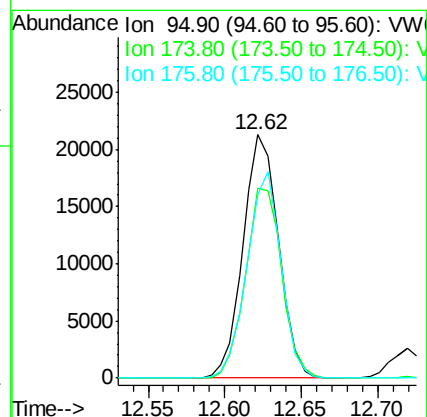
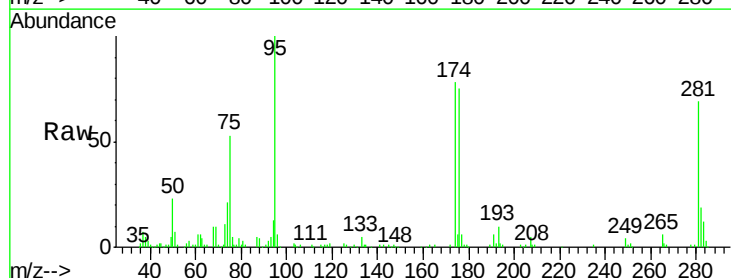
Tgt Ion: 95 Resp: 34364

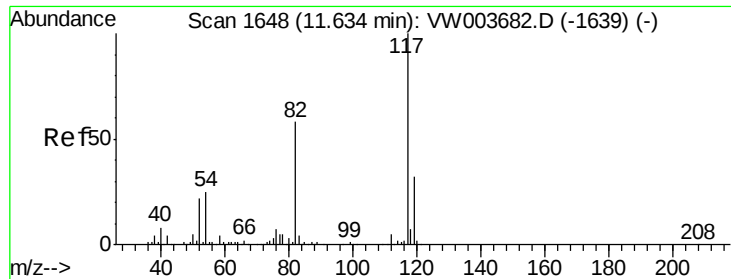
Ion Ratio Lower Upper

95 100

174 79.6 0.0 161.2

176 81.7 0.0 155.0





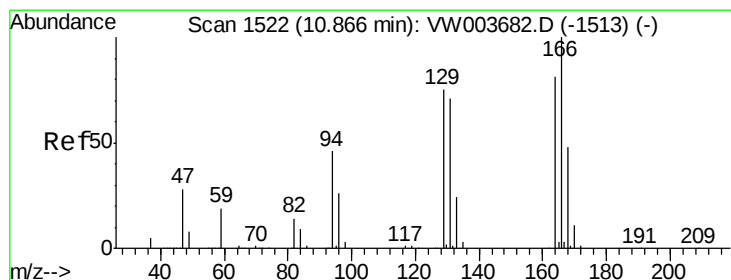
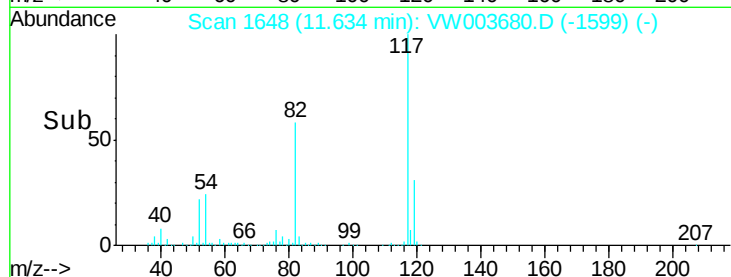
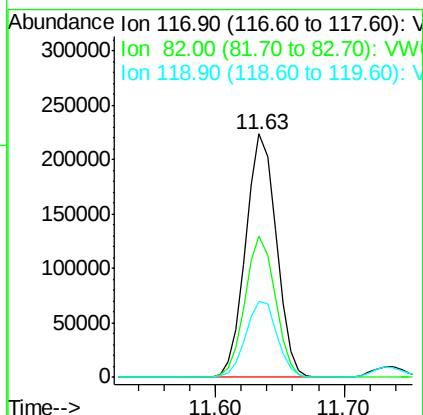
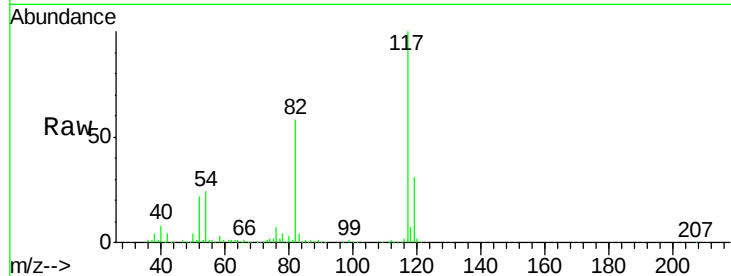
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.0	69.0
119	31.4	25.4	38.0

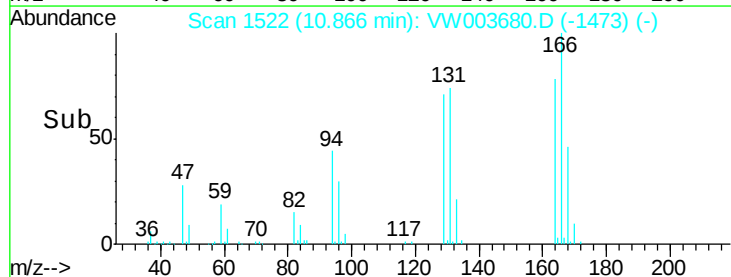
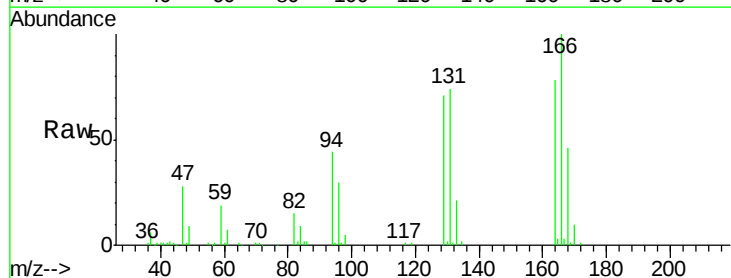
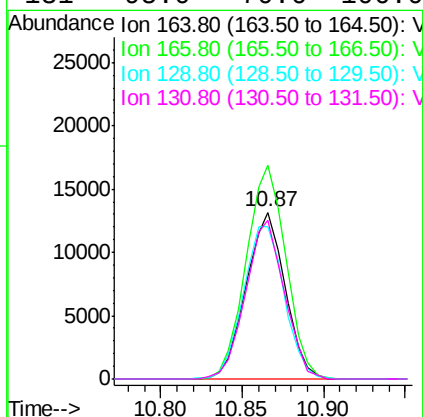
Manual Integrations
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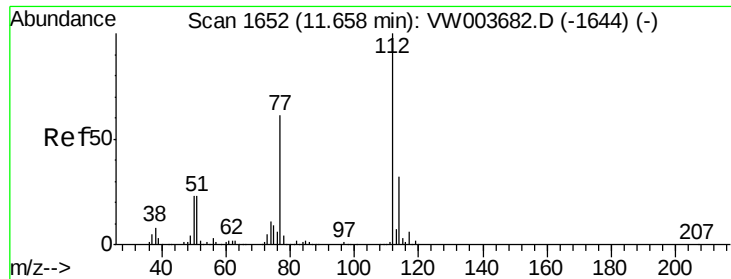
apatel
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#64
Tetrachloroethene
Concen: 8.86 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	99.0	148.4
129	91.1	73.8	110.6
131	95.0	70.6	106.0





#65

Chlorobenzene

Concen: 9.30 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 71748

Ion Ratio Lower Upper

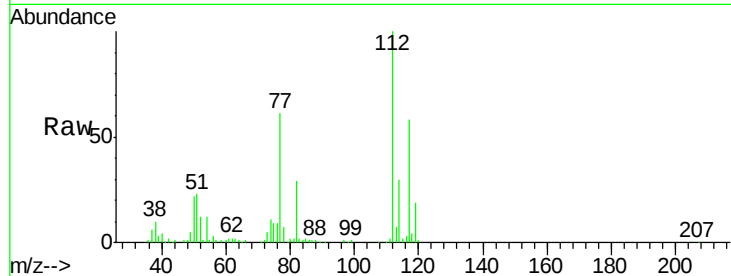
112 100

114 29.8 25.8 38.8

Manual Integrations
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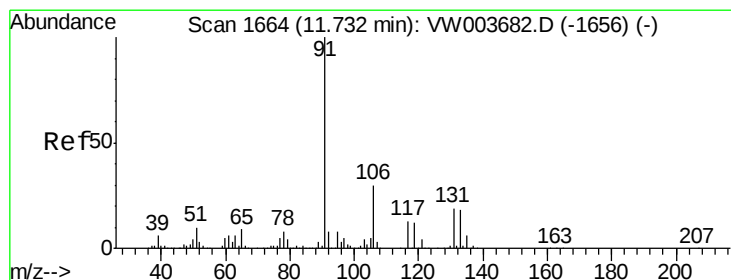
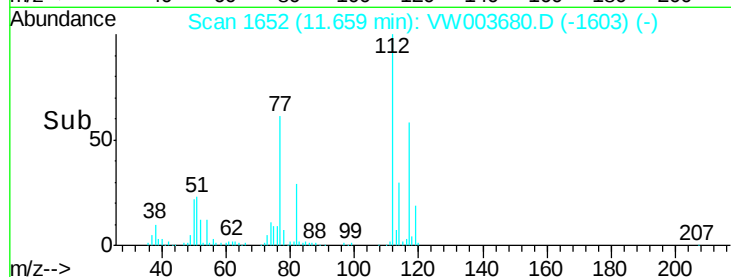
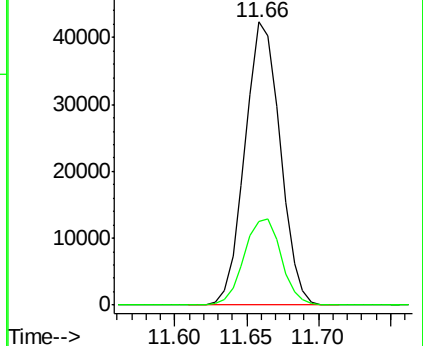
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.11 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

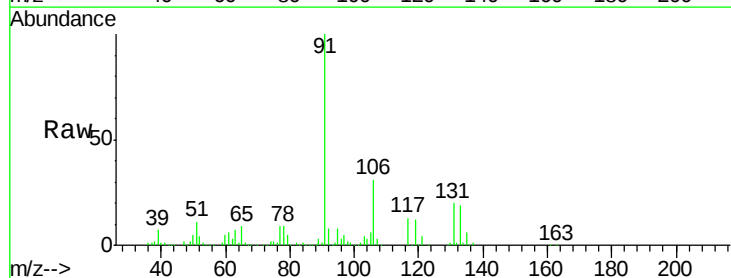
Tgt Ion:131 Resp: 24672

Ion Ratio Lower Upper

131 100

133 97.5 47.6 142.8

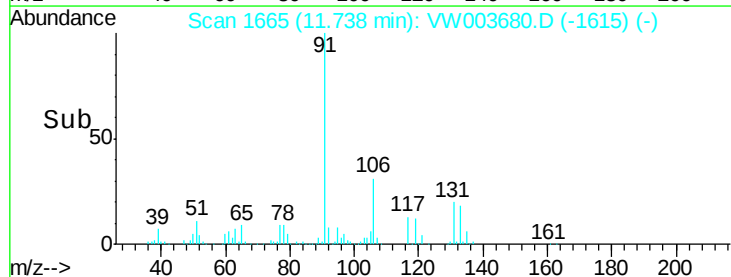
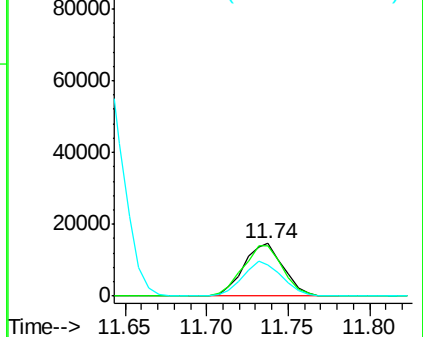
119 65.4 31.9 95.9

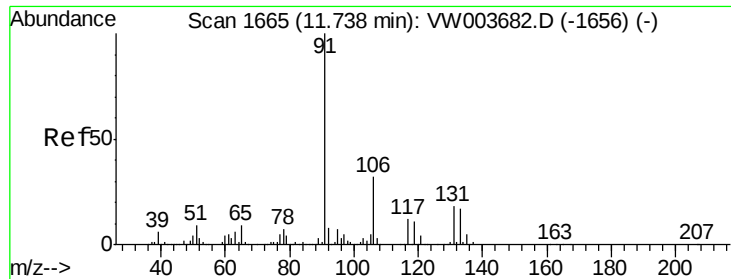


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





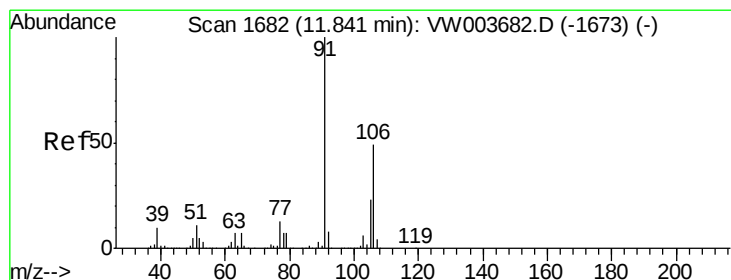
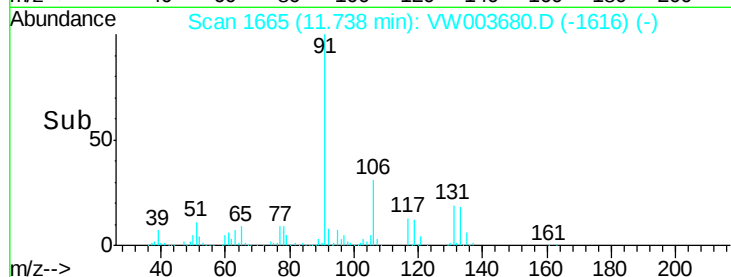
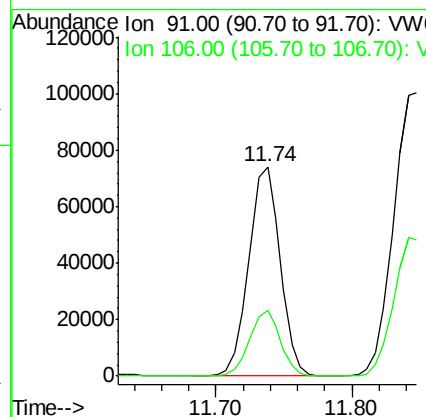
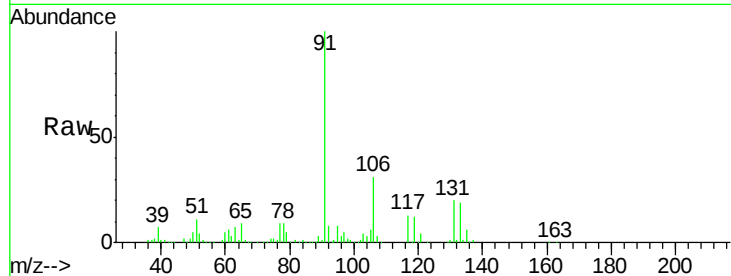
#67
Ethyl Benzene
Concen: 8.79 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 120356
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8

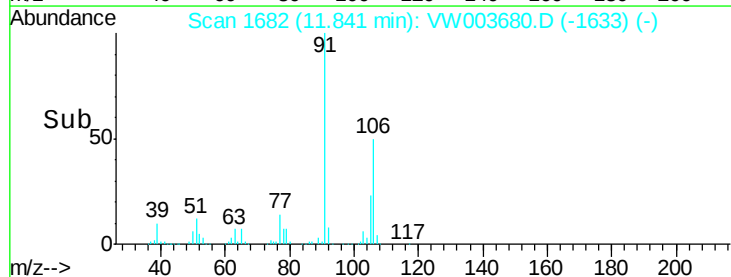
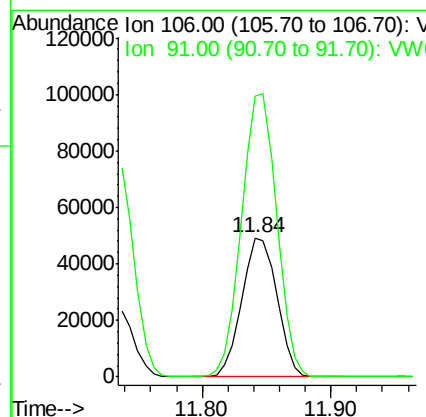
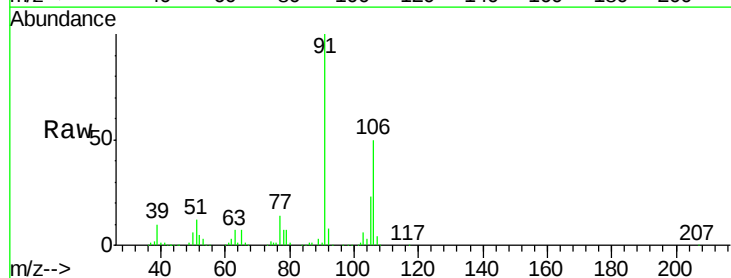
Manual Integrations
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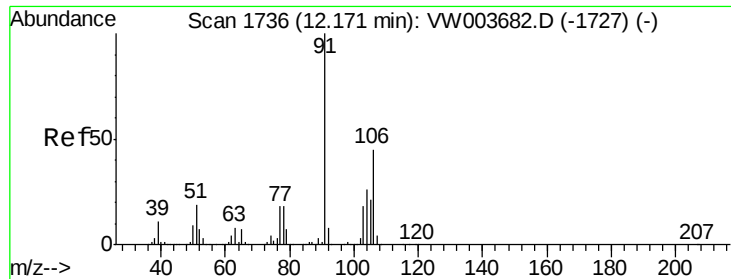
apatel
7/3/2018 10:16:25 AM



#68
m/p-Xylenes
Concen: 17.87 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion: 106 Resp: 93015
Ion Ratio Lower Upper
106 100
91 203.4 163.7 245.5





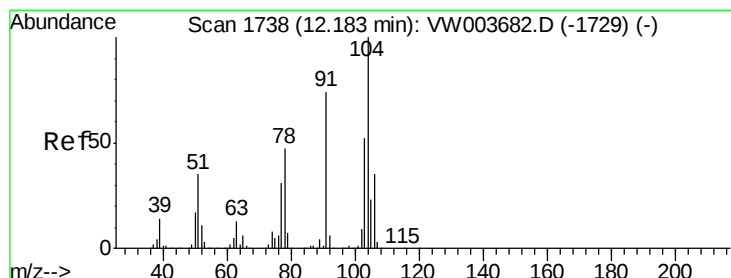
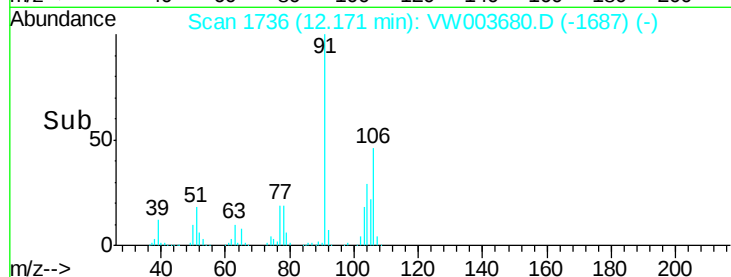
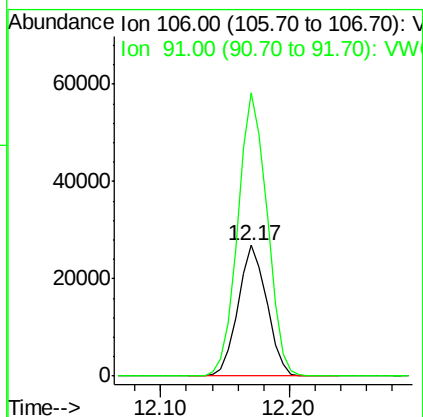
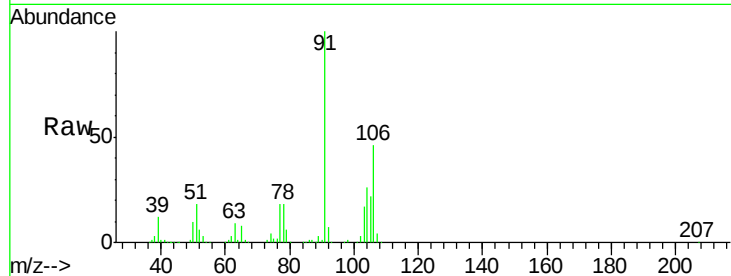
#69
o-Xylene
Concen: 8.66 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 41650
Ion Ratio Lower Upper
106 100
91 220.5 109.3 327.8

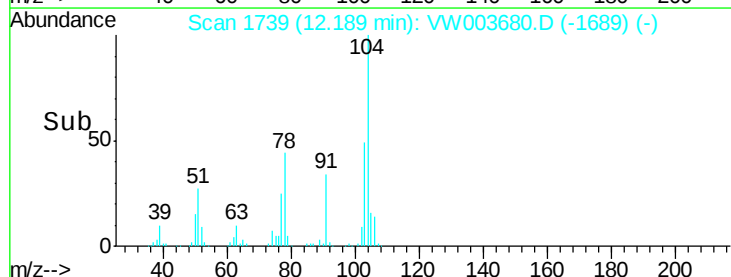
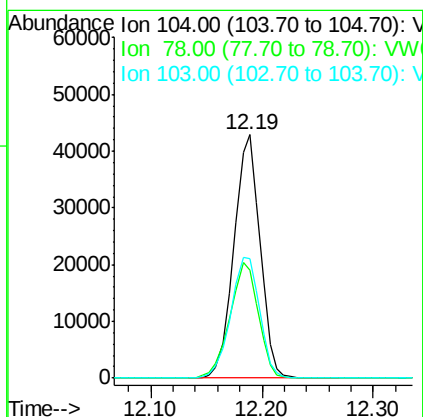
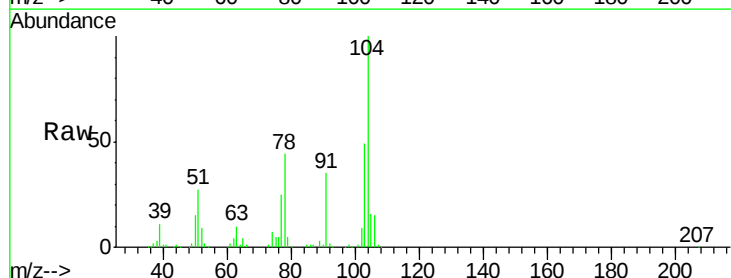
Manual Integrations
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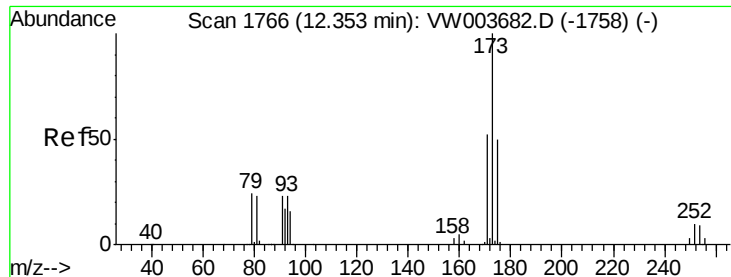
apatel
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#70
Styrene
Concen: 8.67 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion:104 Resp: 69700
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 55.0 44.4 66.6





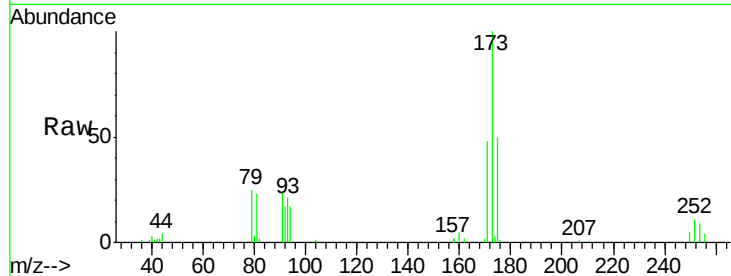
#71
Bromoform
Concen: 9.52 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

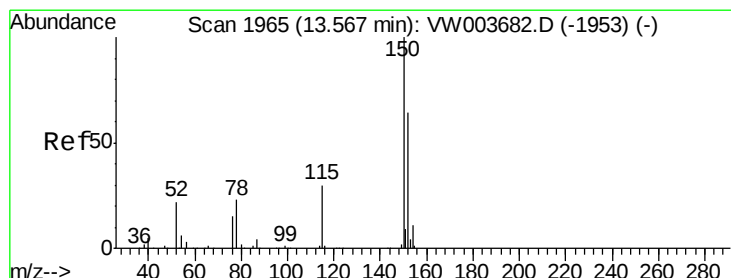
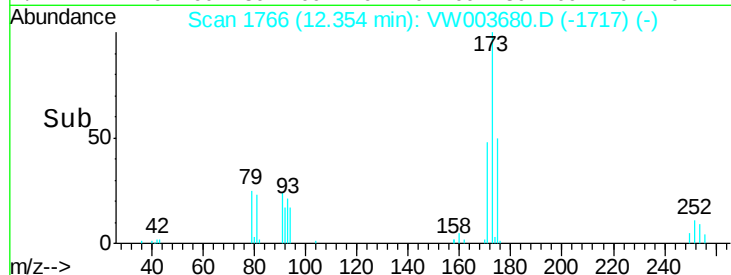
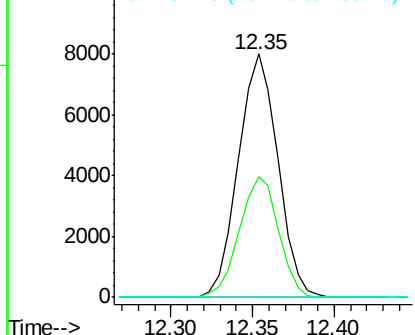
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.0	0.2	0.2

Manual Integrations
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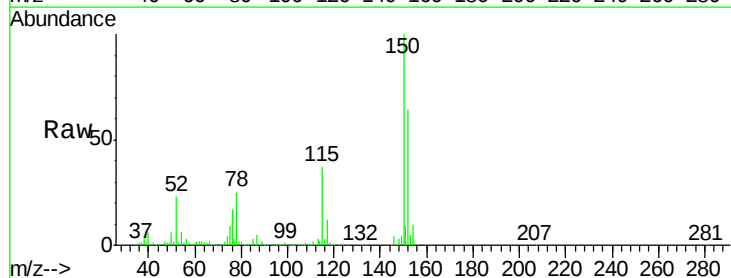


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

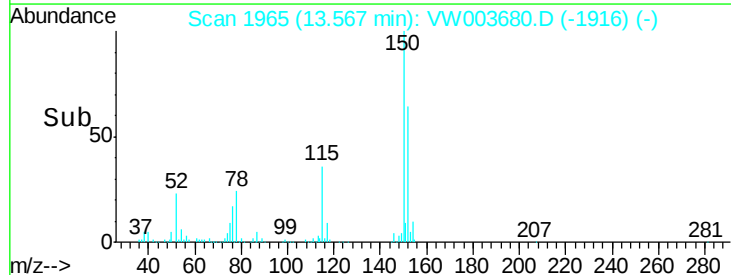
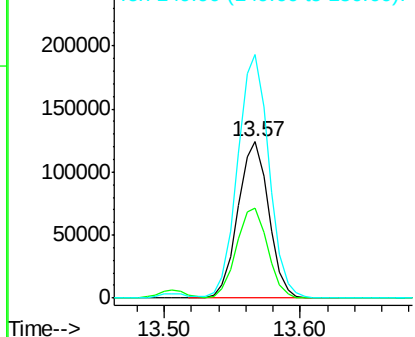


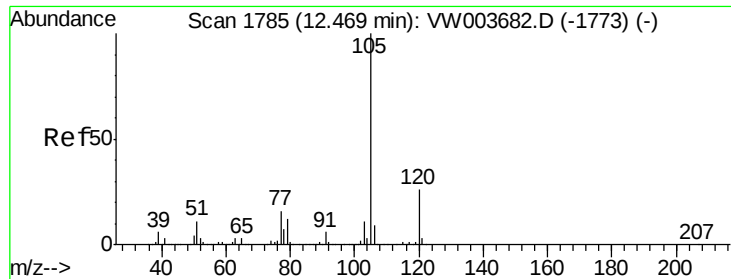
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.3	88.0
150	159.1	0.0	352.0



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





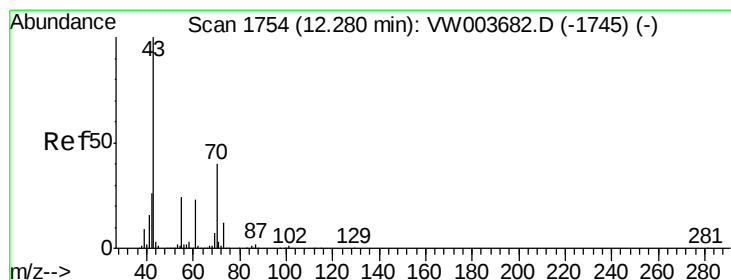
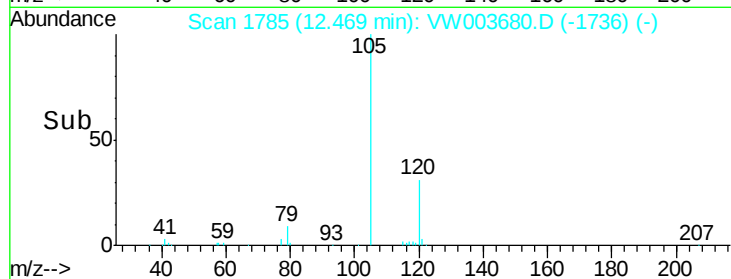
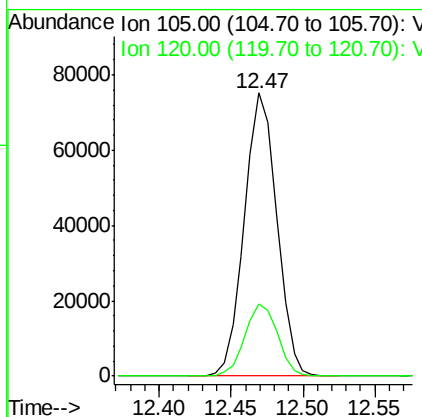
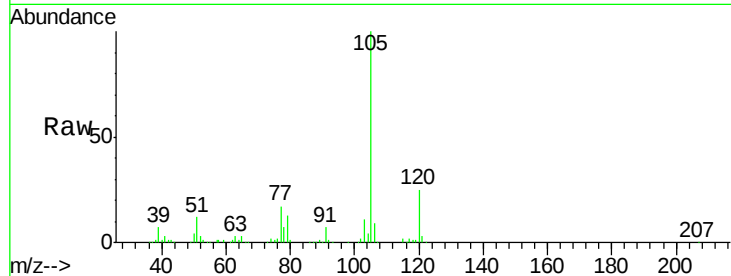
#73
Isopropylbenzene
Concen: 8.62 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.3

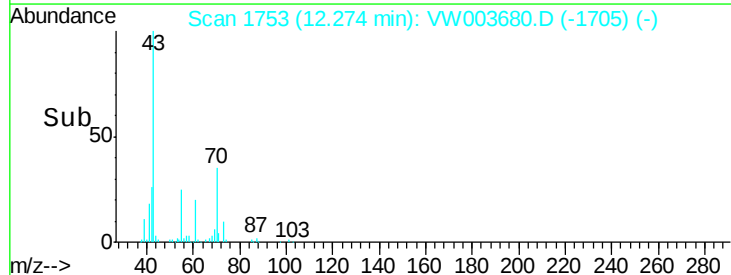
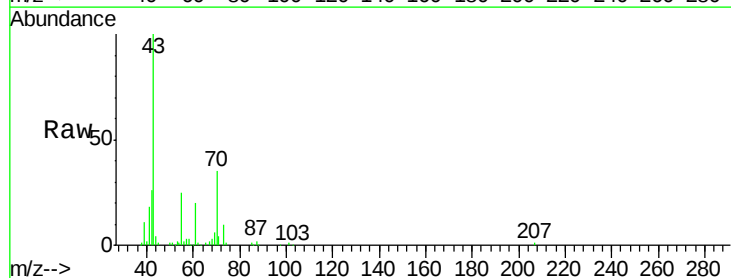
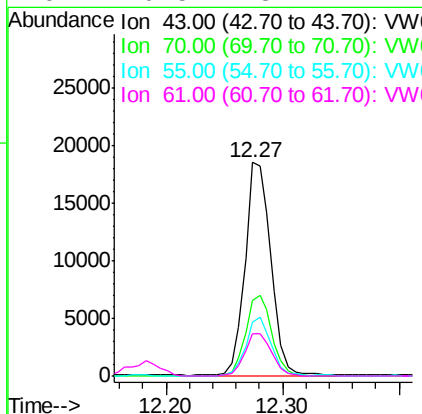
Manual Integrations
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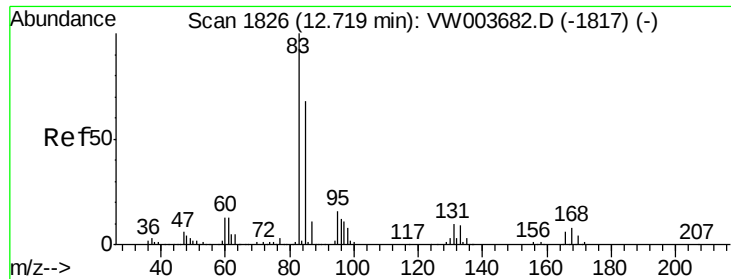
apatel
7/3/2018 10:16:25 AM



#74
N-ethyl acetate
Concen: 9.18 ug/l
RT: 12.27 min Scan# 1753
Delta R.T. -0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.3	46.9
55	26.5	20.1	30.1
61	20.5	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 10.25 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

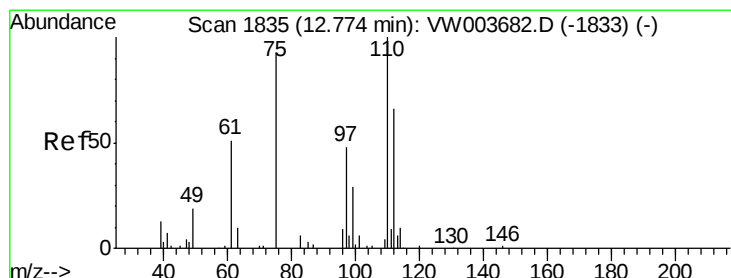
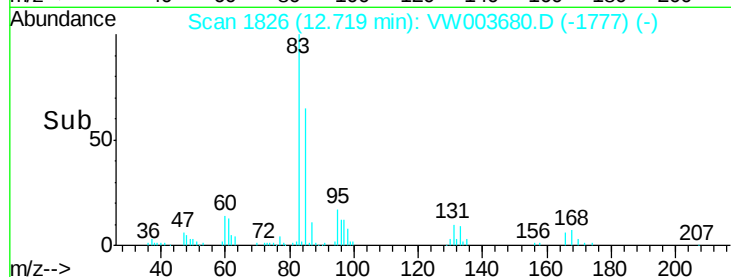
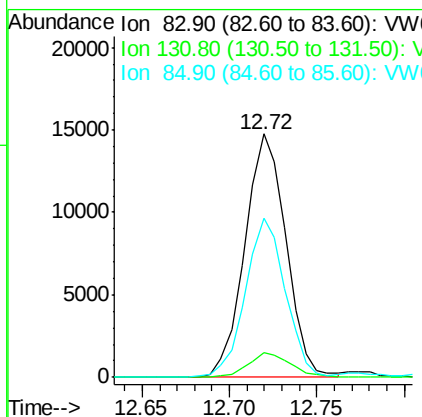
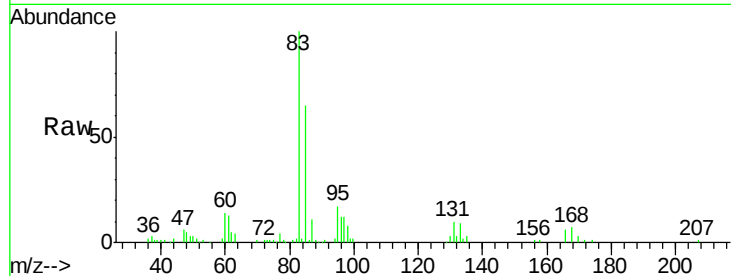
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	24116
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.65 ug/l m

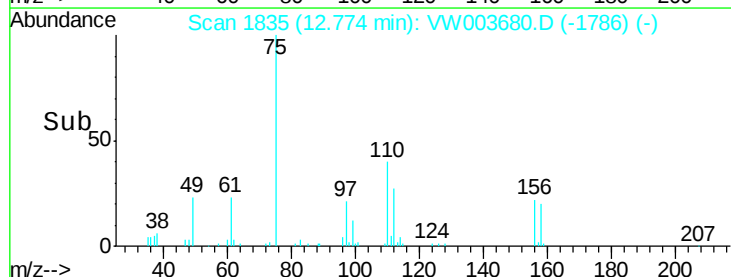
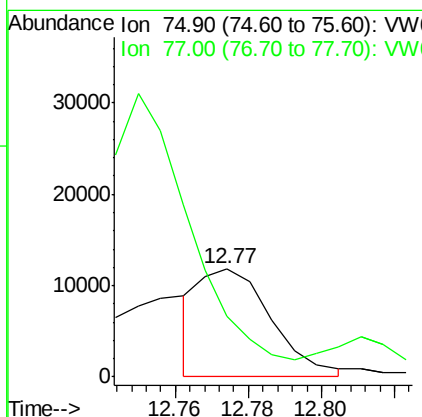
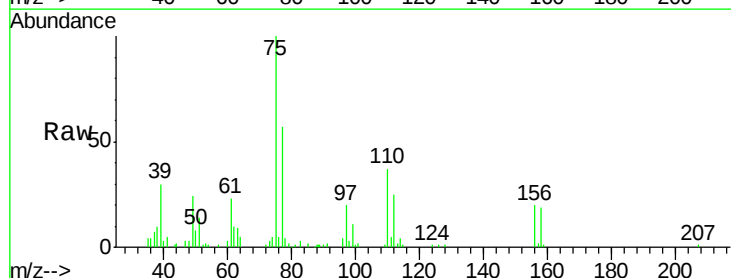
RT: 12.77 min Scan# 1835

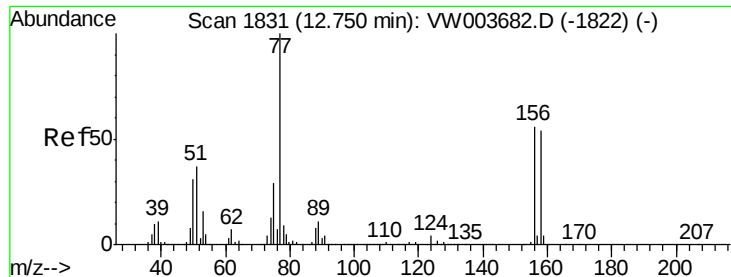
Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Tgt Ion:	75	Resp:	16303
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.15 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

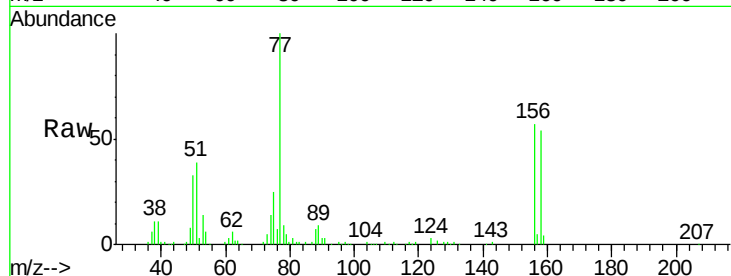
ClientSampled :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	190.0	95.8	287.4	
158	97.1	48.2	144.6	

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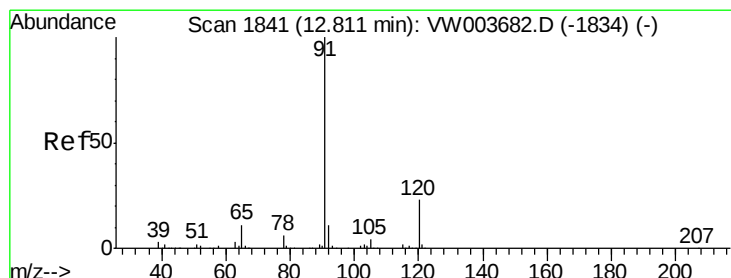
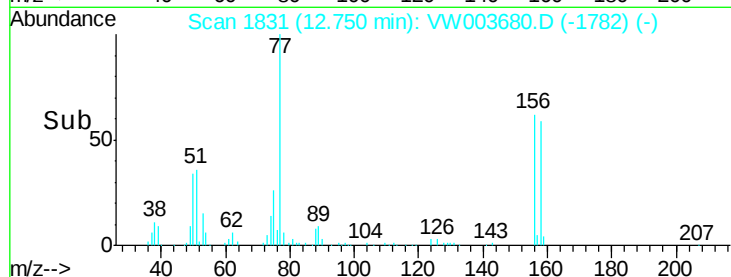
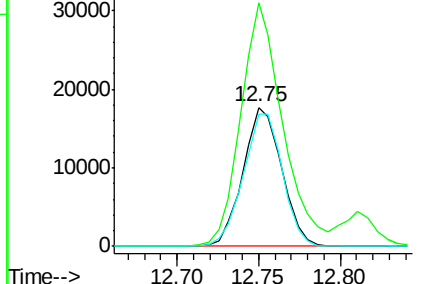
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.78 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

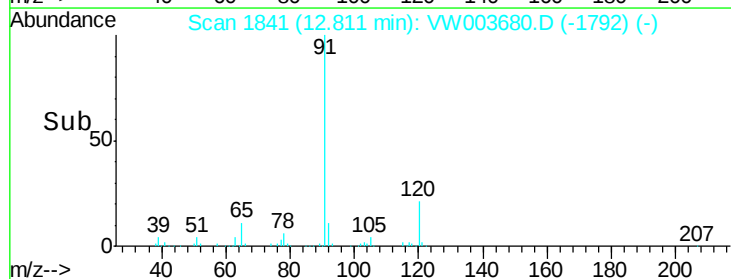
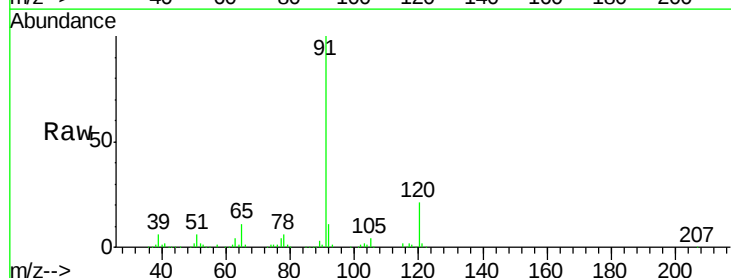
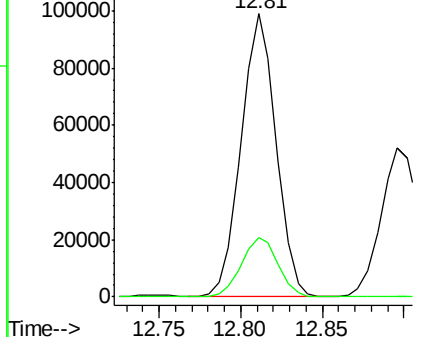
Lab File: VW003680.D

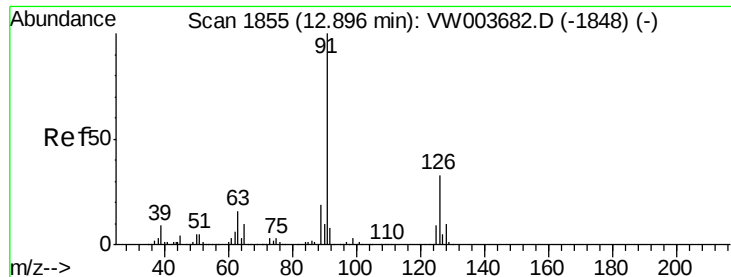
Acq: 02 Jul 2018 16:58

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.4	34.1	

Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 8.93 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003680.D

Acq: 02 Jul 2018 16:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 84371

Ion Ratio Lower Upper

91 100

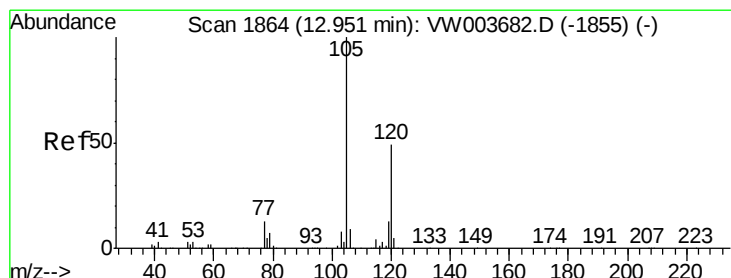
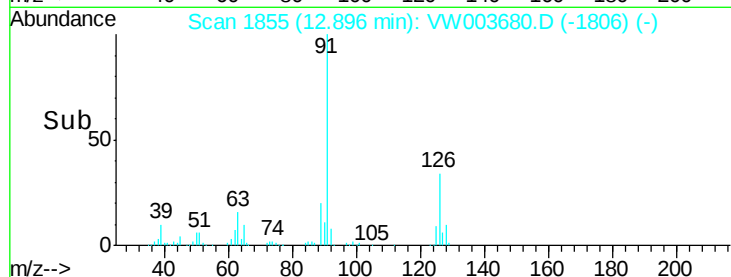
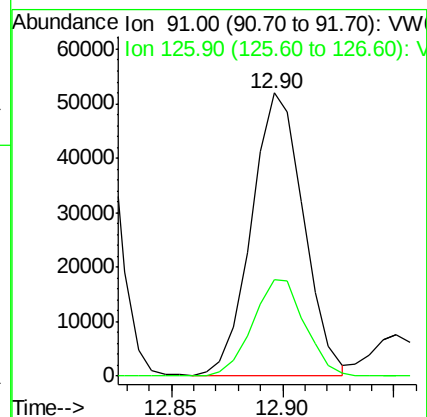
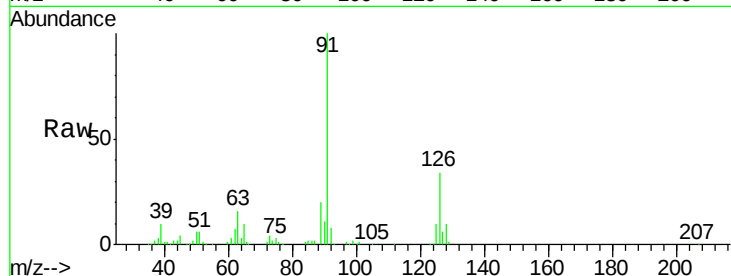
126 34.3 16.4 49.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 8.85 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003680.D

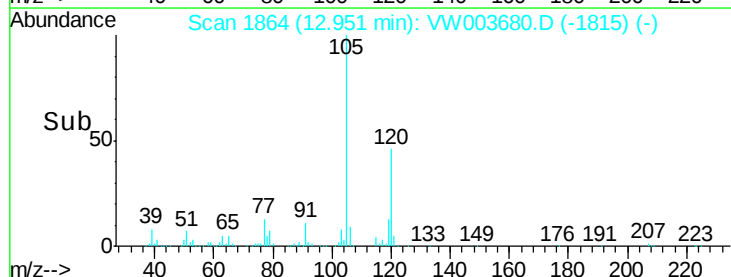
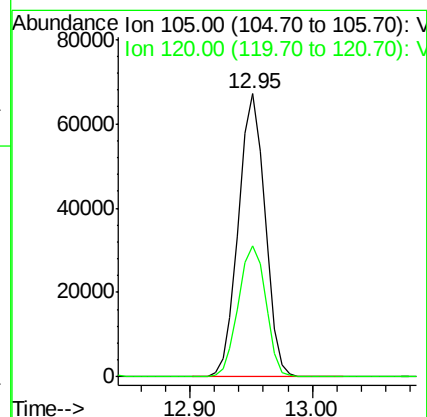
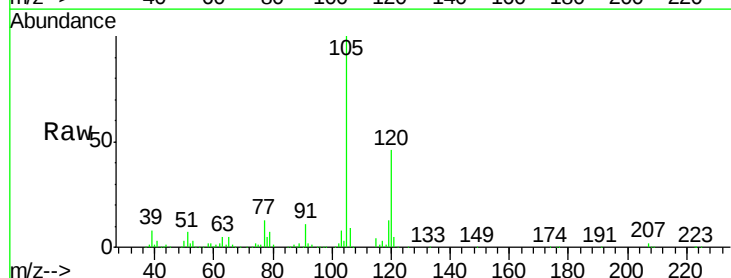
Acq: 02 Jul 2018 16:58

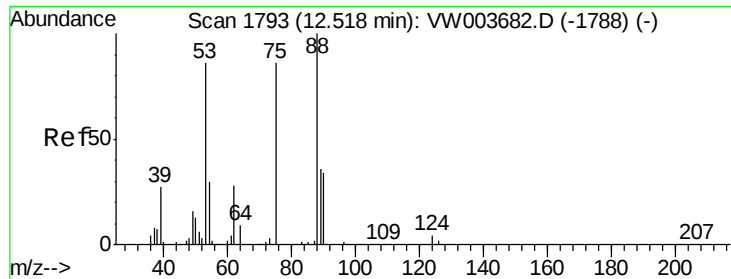
Tgt Ion: 105 Resp: 101231

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





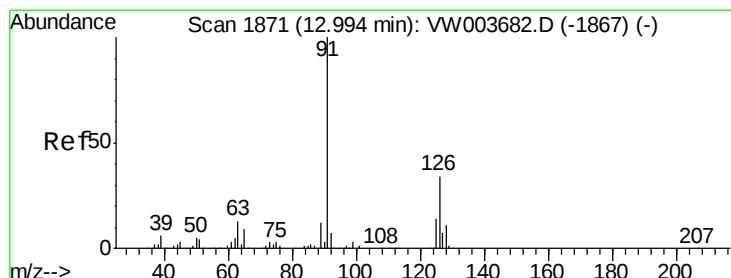
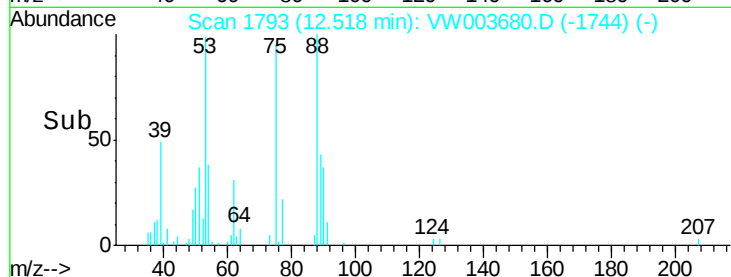
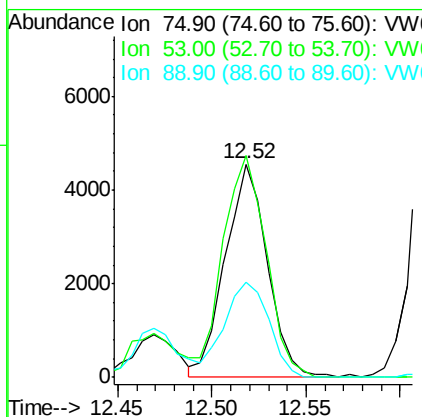
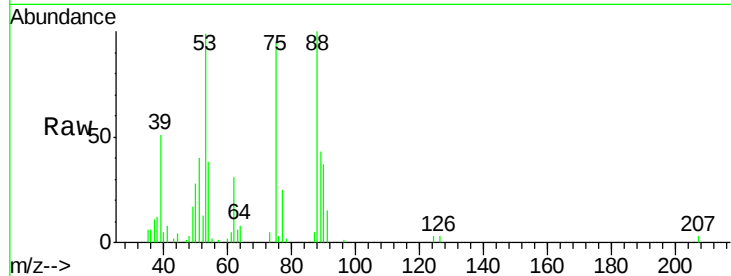
#81
trans-1,4-Dichloro-2-butene
Concen: 9.49 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	82.4	123.6
89	46.9	35.9	53.9

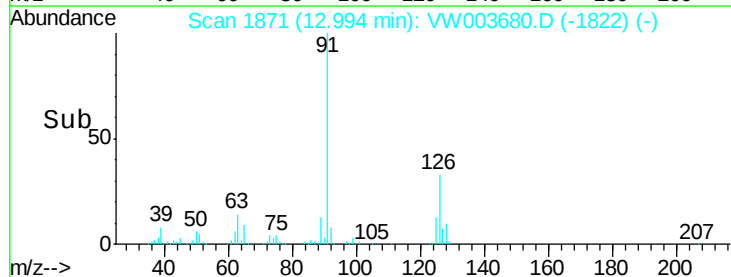
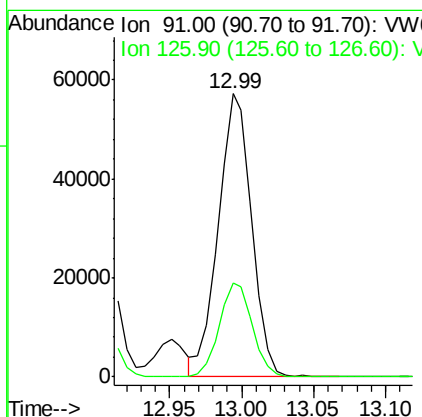
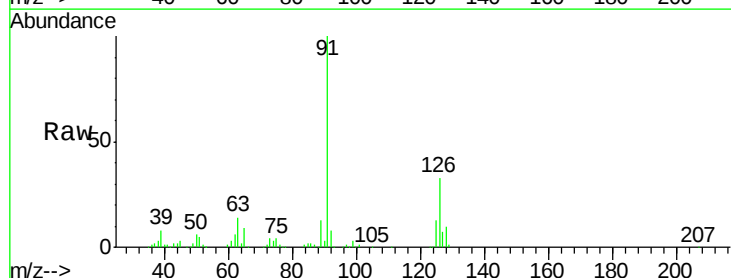
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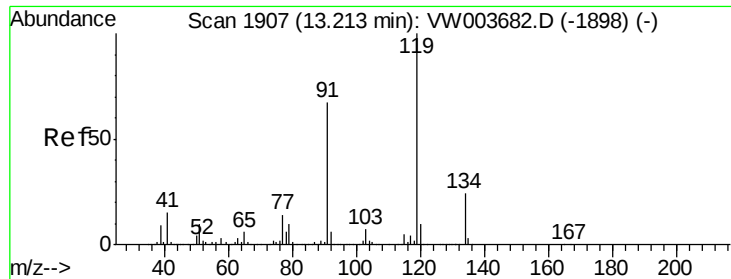
apatel
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#82
4-Chlorotoluene
Concen: 9.20 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.0	50.9





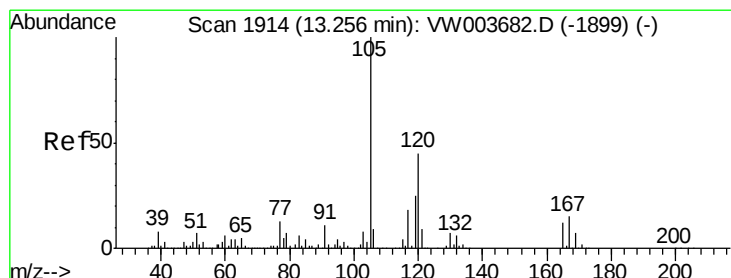
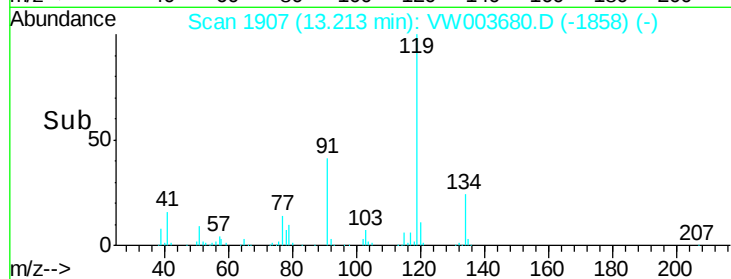
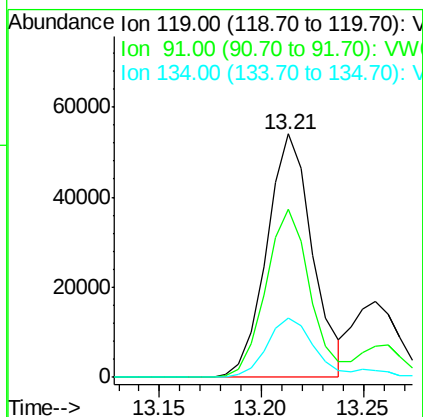
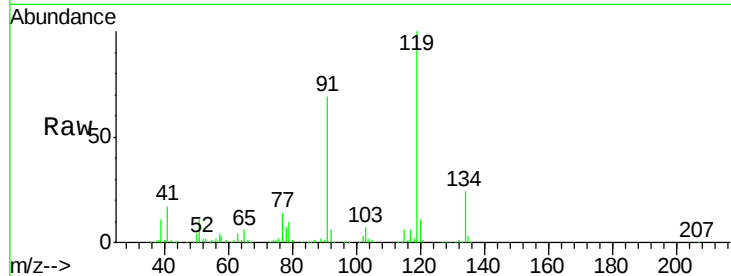
#83
tert-Butylbenzene
Concen: 8.66 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.8	101.3
134	25.0	13.1	39.1

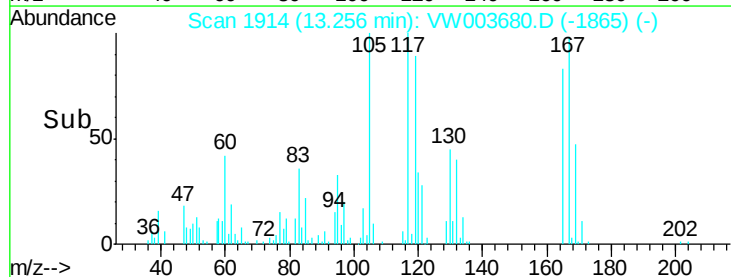
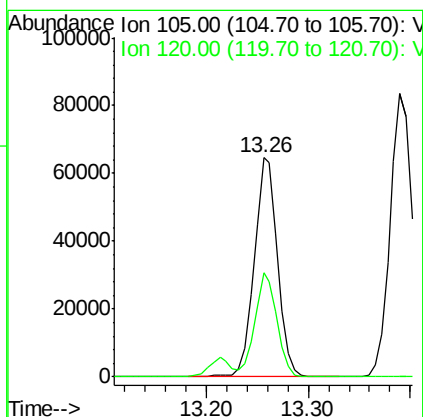
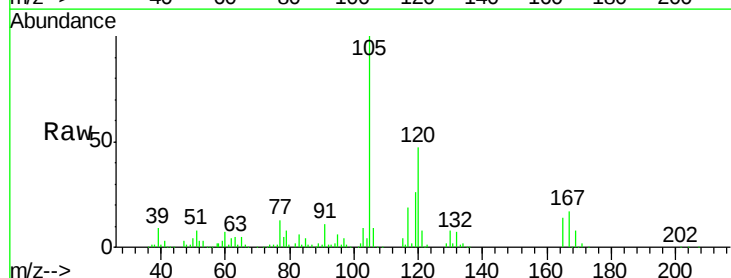
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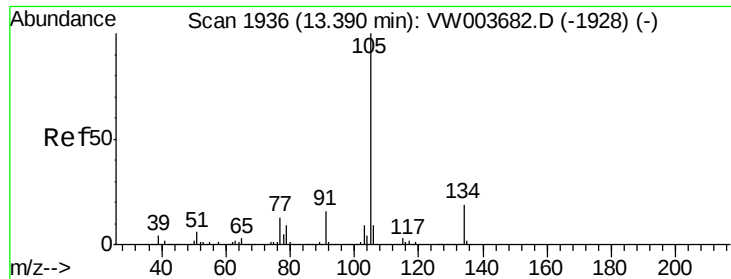
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 8.76 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





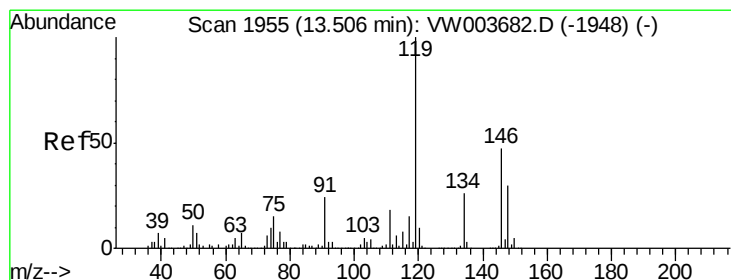
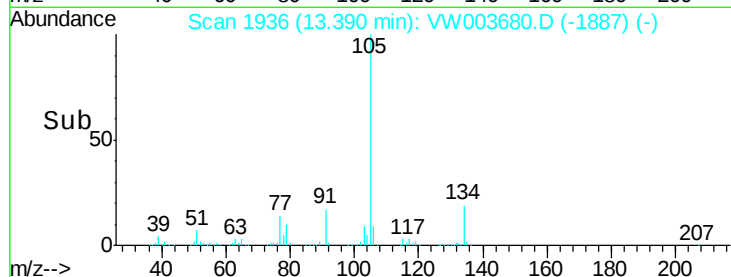
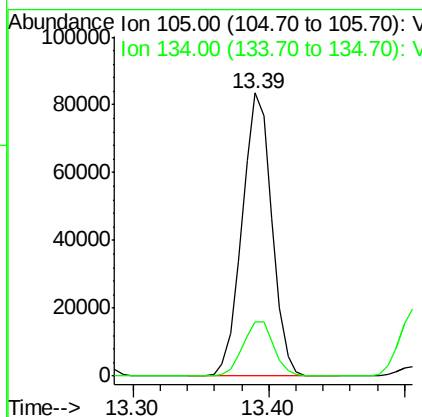
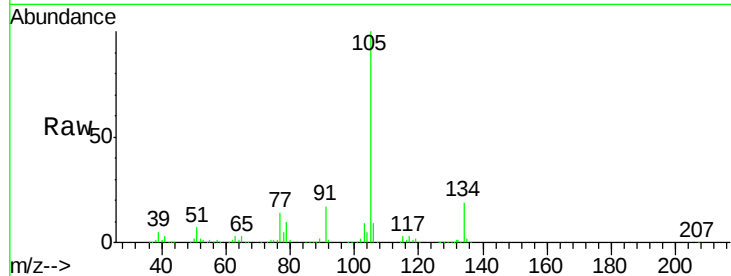
#85
 sec-Butylbenzene
 Concen: 8.81 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	127679		
134	134	20.1	9.8	29.4	

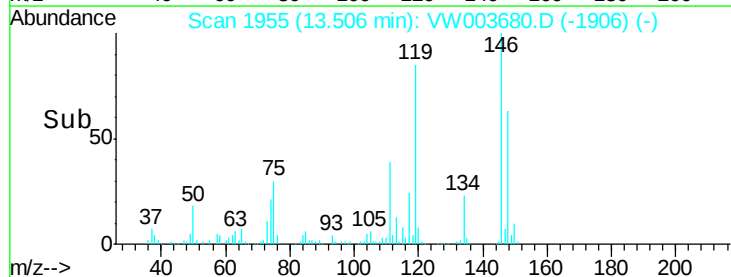
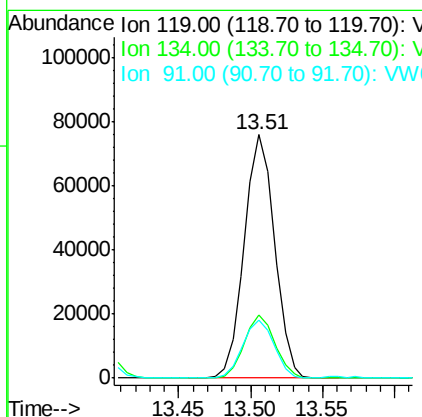
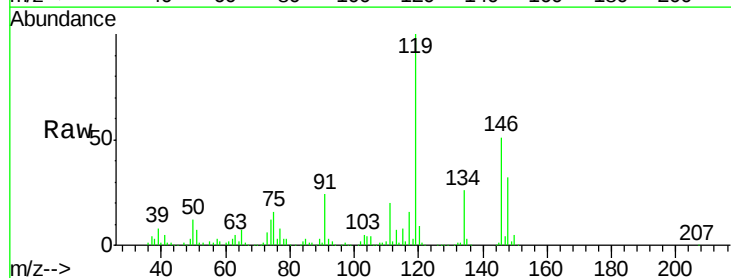
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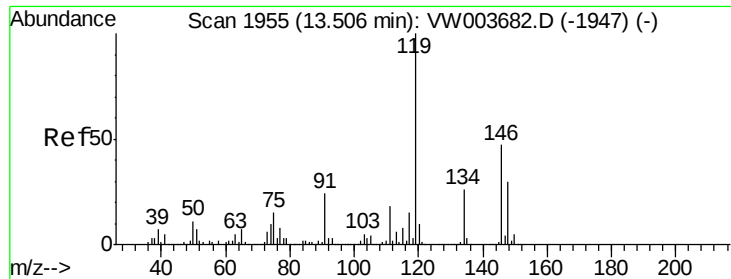
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#86
 p-Isopropyltoluene
 Concen: 8.71 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
119	119	100	111040		
134	134	26.0	13.0	38.9	
91	91	24.7	11.8	35.4	





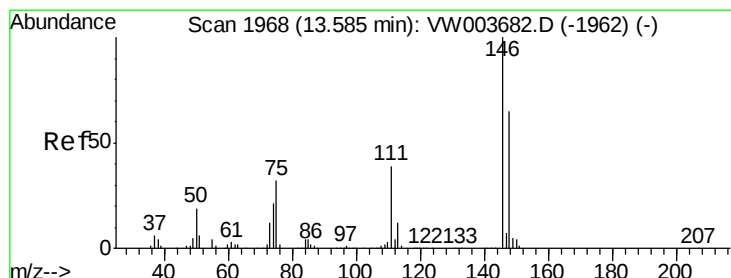
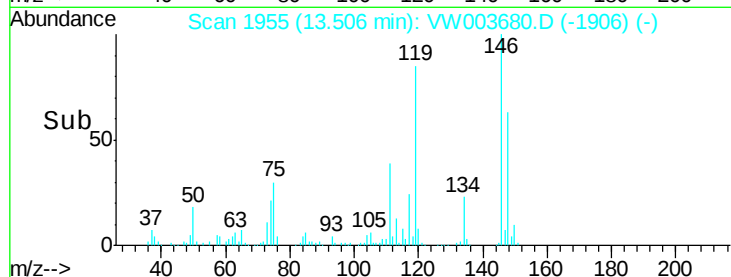
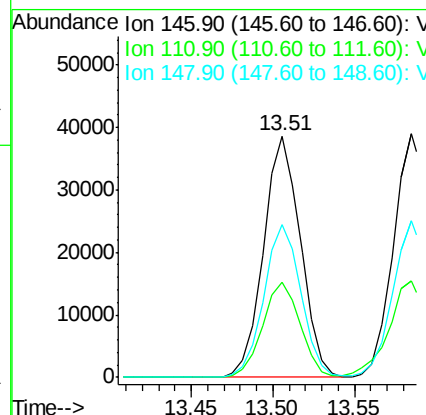
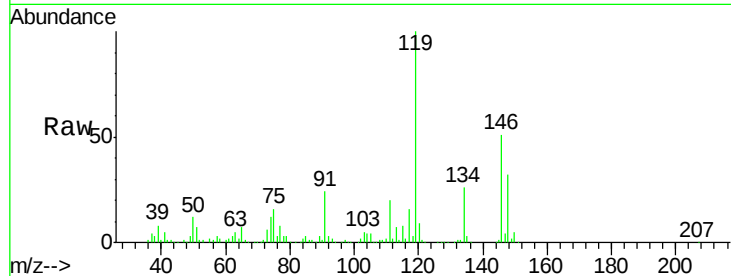
#87
 1,3-Dichlorobenzene
 Concen: 9.31 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.5	31.9	95.9

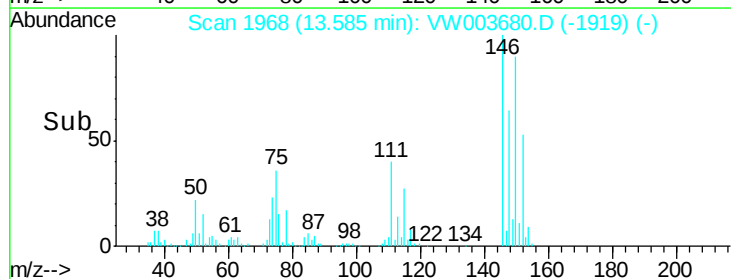
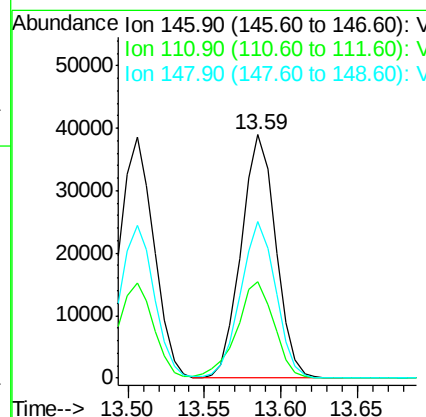
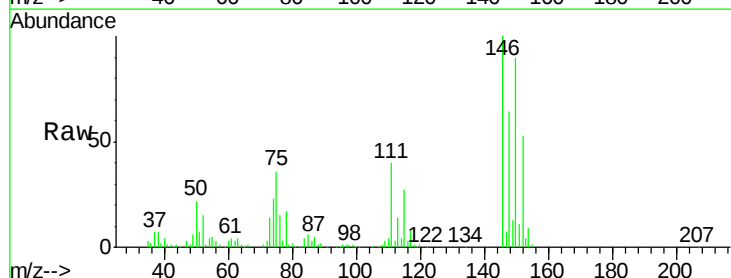
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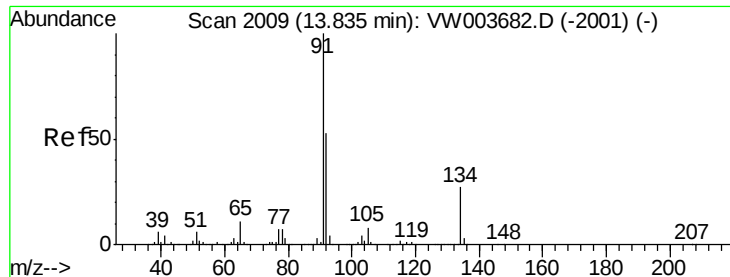
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#88
 1,4-Dichlorobenzene
 Concen: 9.43 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.3	57.9
148	65.4	32.3	96.9





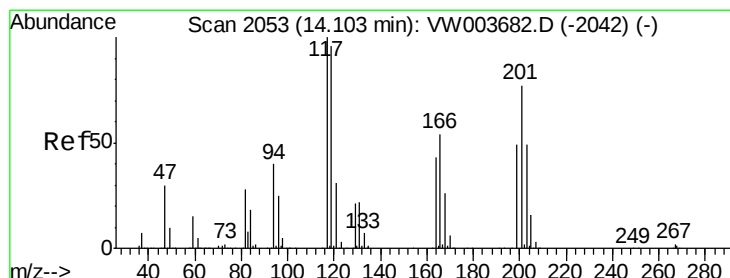
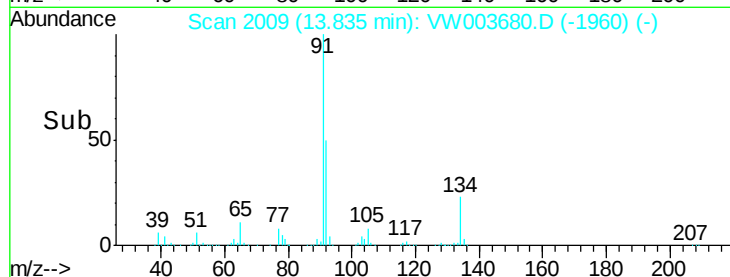
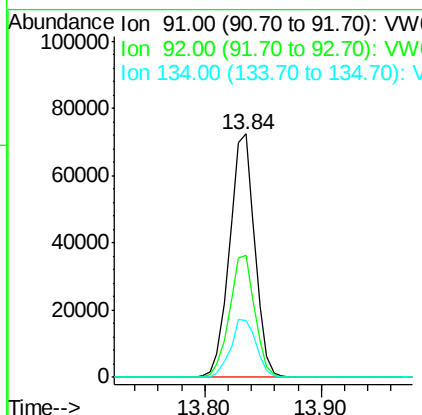
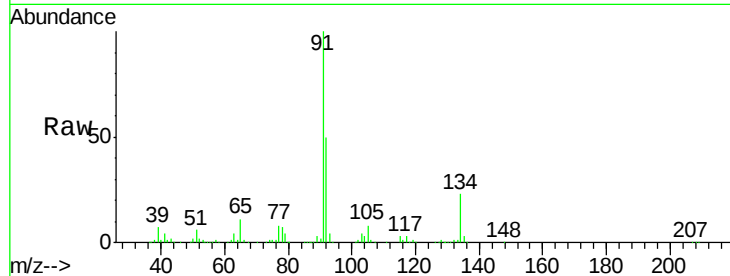
#89
n-Butylbenzene
Concen: 8.76 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.4	79.2
134	24.2	12.7	38.1

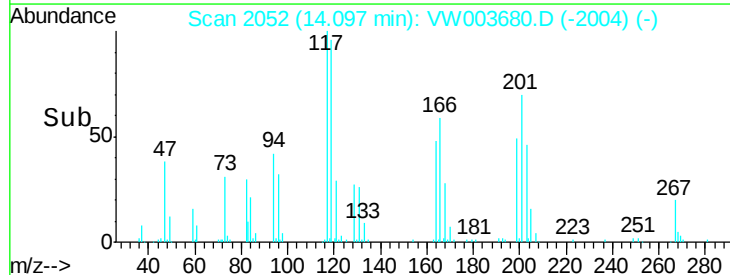
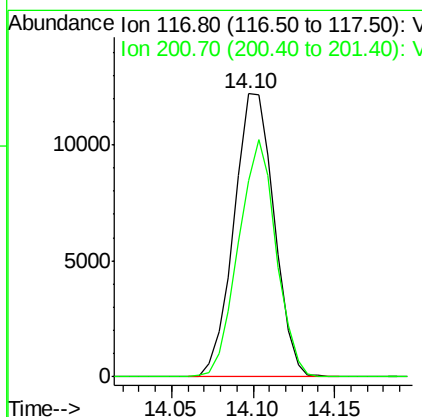
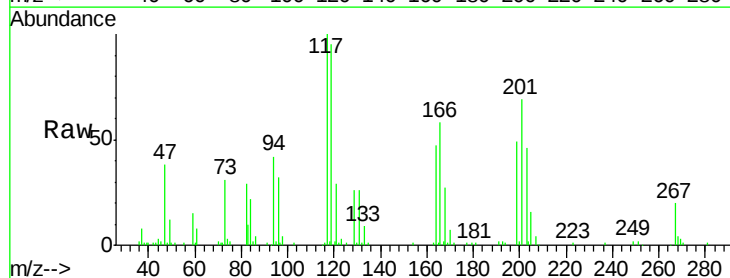
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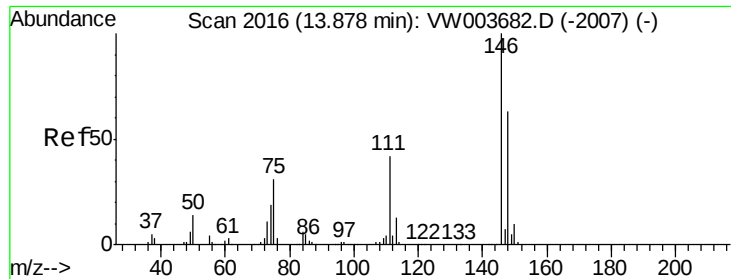
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#90
Hexachloroethane
Concen: 9.09 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.1	117.2





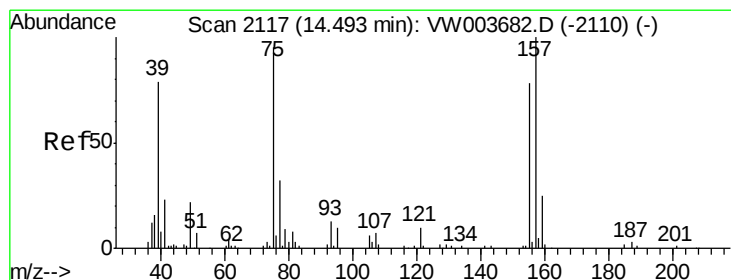
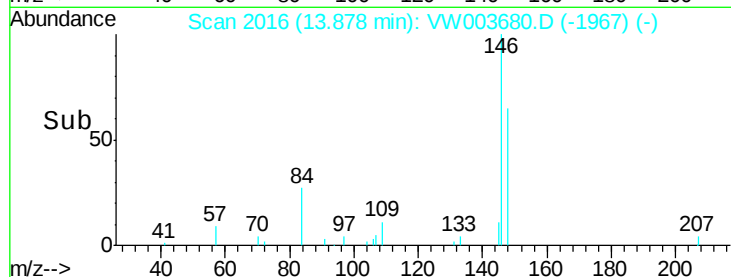
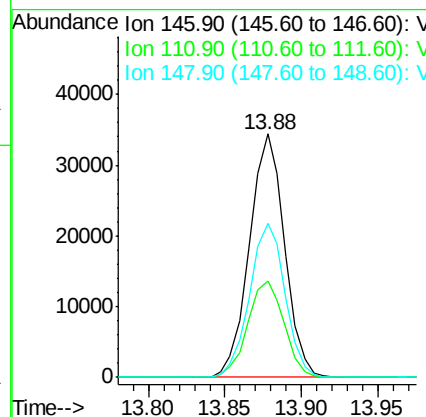
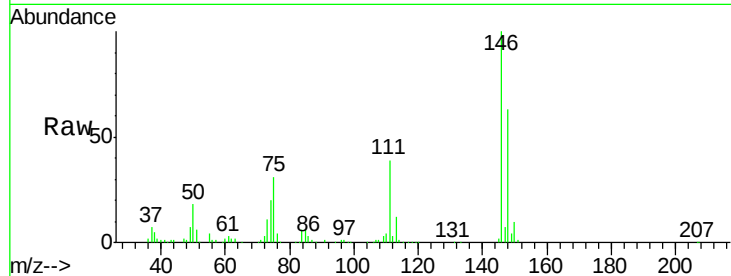
#91
 1,2-Dichlorobenzene
 Concen: 9.58 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	63.9	31.9	95.7

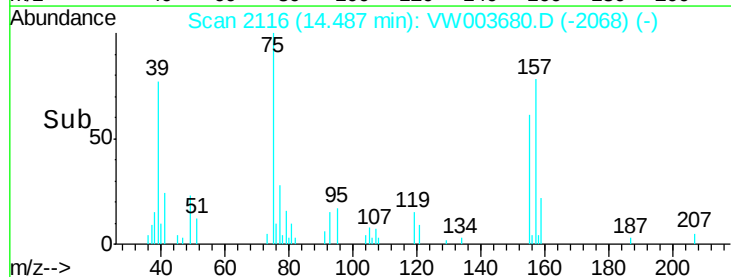
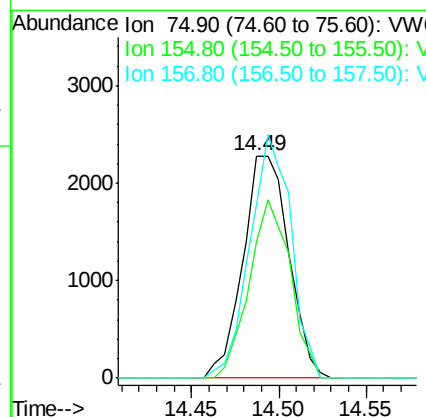
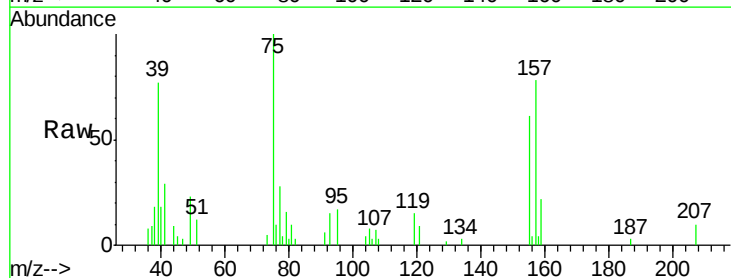
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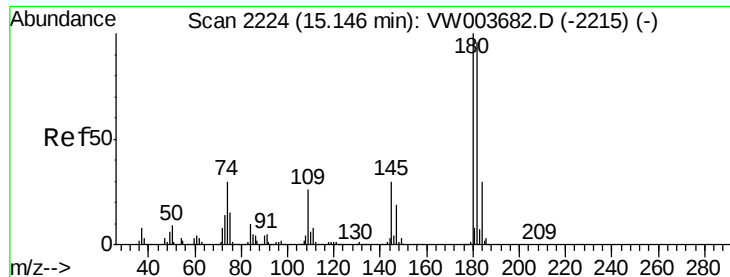
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.48 ug/l
 RT: 14.49 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	40.2	120.6
157	98.4	50.7	152.3





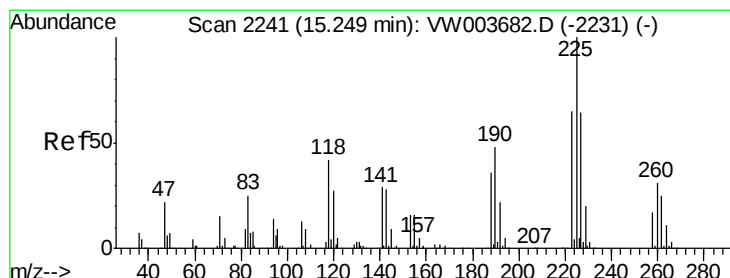
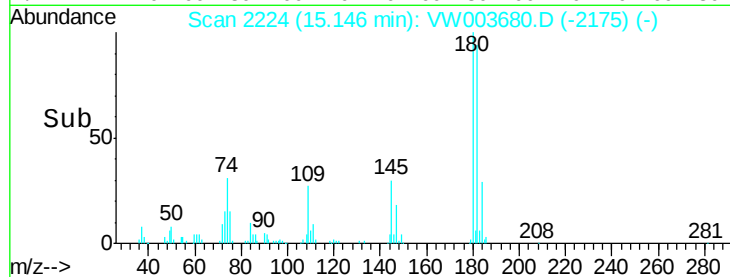
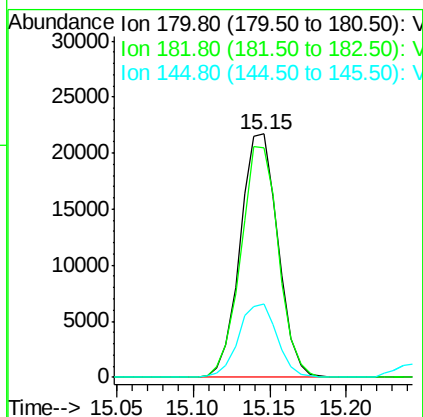
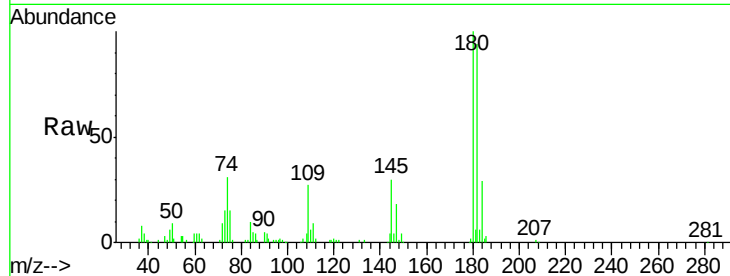
#93
 1,2,4-Trichlorobenzene
 Concen: 9.24 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	30.9	14.9	44.5

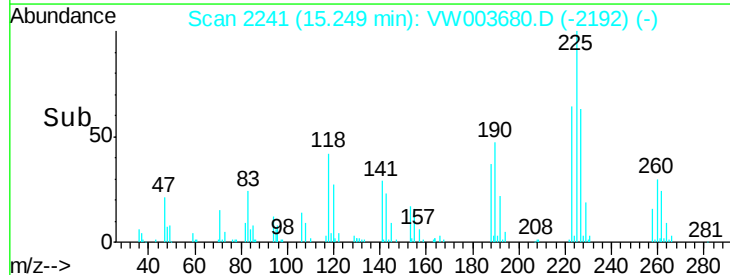
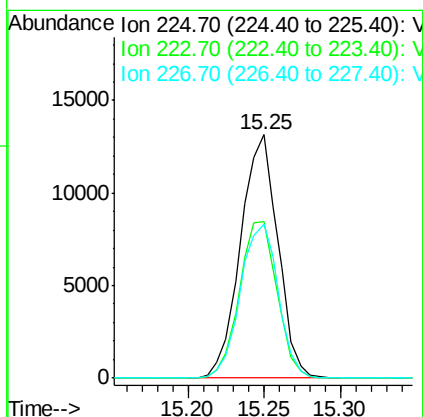
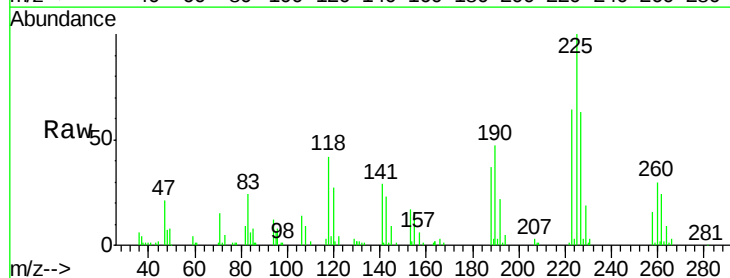
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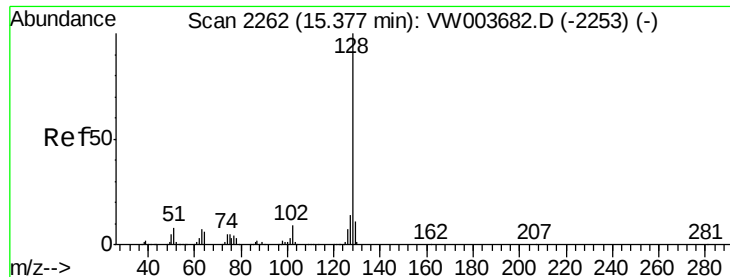
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#94
 Hexachlorobutadiene
 Concen: 9.27 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003680.D
 Acq: 02 Jul 2018 16:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.0	96.2
227	64.0	31.9	95.7





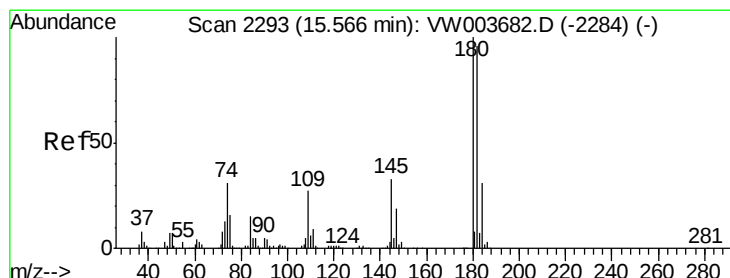
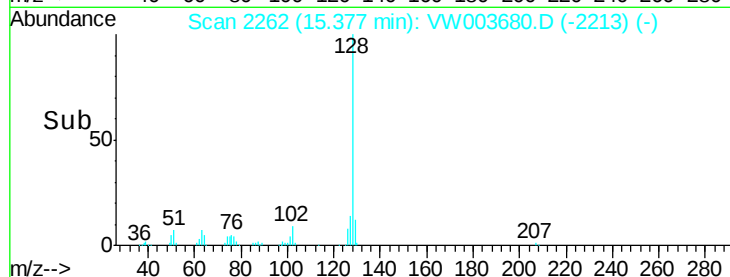
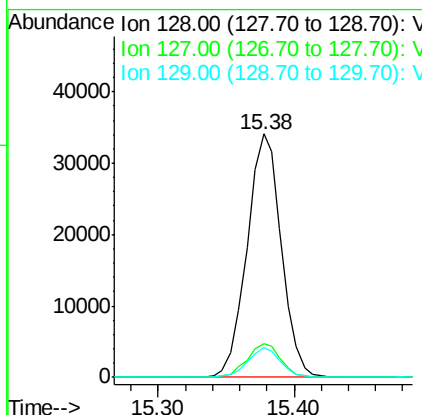
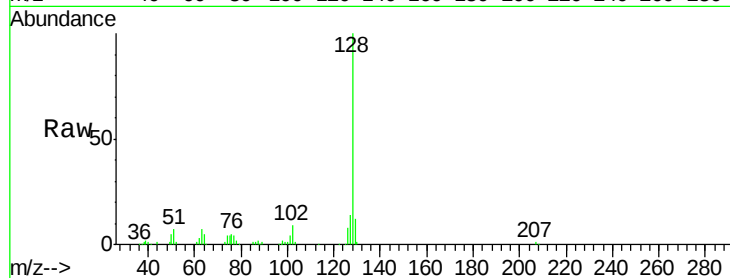
#95
Naphthalene
Concen: 8.71 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	128	Resp:	60140
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	11.8	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 9.39 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003680.D
Acq: 02 Jul 2018 16:58

Tgt Ion:	180	Resp:	33310
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.8	143.3
145	31.7	15.9	47.7

