

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070218\
 Data File : VW003681.D
 Acq On : 02 Jul 2018 17:24
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:16:40 AM

Quant Time: Jul 03 02:38:56 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	244523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	384747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191906	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	56145	20.77	ug/l	0.00
Spiked Amount			Recovery	=	41.54%	
35) Dibromofluoromethane	7.88	113	49078	20.20	ug/l	0.00
Spiked Amount			Recovery	=	40.40%	
50) Toluene-d8	10.33	98	191271	19.90	ug/l	0.00
Spiked Amount			Recovery	=	39.80%	
62) 4-Bromofluorobenzene	12.62	95	67711	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	18916	23.07	ug/l	98
3) Chloromethane	2.20	50	36169	18.98	ug/l	99
4) Vinyl Chloride	2.36	62	48565	17.63	ug/l	100
5) Bromomethane	2.78	94	32762	18.00	ug/l	97
6) Chloroethane	2.92	64	30373	16.21	ug/l	93
7) Trichlorofluoromethane	3.25	101	27911	17.39	ug/l	99
8) Diethyl Ether	3.67	74	25148	20.61	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	46154	20.09	ug/l	100
10) Methyl Iodide	4.26	142	65173	18.80	ug/l	99
11) Tert butyl alcohol	5.23	59	17270	117.63	ug/l #	84
12) 1,1-Dichloroethene	4.02	96	44614	19.73	ug/l	95
13) Acrolein	3.89	56	11165	62.05	ug/l	91
14) Allyl chloride	4.66	41	75242	19.32	ug/l	99
15) Acrylonitrile	5.37	53	57443	112.32	ug/l	99
16) Acetone	4.14	43	64733	112.52	ug/l	94
17) Carbon Disulfide	4.37	76	121221	17.92	ug/l	99
18) Methyl Acetate	4.67	43	28100	21.01	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	87492	20.64	ug/l	96
20) Methylene Chloride	4.92	84	56090	20.07	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	48360	19.60	ug/l	99
22) Diisopropyl ether	6.31	45	163034	20.73	ug/l	98
23) Vinyl Acetate	6.26	43	481509	104.77	ug/l	99
24) 1,1-Dichloroethane	6.21	63	95166	20.39	ug/l	99
25) 2-Butanone	7.18	43	85139	118.06	ug/l	100
26) 2,2-Dichloropropane	7.17	77	60125	19.65	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	54869	20.43	ug/l	100
28) Bromochloromethane	7.51	49	44063	22.74	ug/l	99
29) Tetrahydrofuran	7.54	42	49328	111.51	ug/l	99
30) Chloroform	7.67	83	98714	20.84	ug/l	98
31) Cyclohexane	7.95	56	80214	18.34	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	76584	19.75	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75560	19.96	ug/l	99
37) Ethyl Acetate	7.26	43	36703	22.87	ug/l	99
38) Carbon Tetrachloride	8.07	117	71341	19.38	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81415	18.54	ug/l	95
40) Benzene	8.32	78	211861	20.30	ug/l	98
41) Methacrylonitrile	7.49	41	21511	22.13	ug/l	95
42) 1,2-Dichloroethane	8.40	62	67129	20.55	ug/l	99
43) Isopropyl Acetate	8.43	43	66823	21.21	ug/l	99
44) Trichloroethene	9.09	130	53877	19.65	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56054	21.10	ug/l	97
46) Dibromomethane	9.46	93	28938	21.19	ug/l	99
47) Bromodichloromethane	9.65	83	70805	20.34	ug/l	99
48) Methyl methacrylate	9.44	41	32476	21.86	ug/l	99
49) 1,4-Dioxane	9.48	88	8048	389.46	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	178577	110.51	ug/l	98
52) Toluene	10.39	92	132176	19.79	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	72267	20.27	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	82024	20.18	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40460	21.03	ug/l	98
56) Ethyl methacrylate	10.65	69	48328	20.55	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71245	21.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	112413	108.43	ug/l	99
59) 2-Hexanone	10.98	43	131926	116.62	ug/l	97
60) Dibromochloromethane	11.13	129	46748	20.56	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38055	20.91	ug/l	99
64) Tetrachloroethene	10.87	164	46674	19.34	ug/l	97
65) Chlorobenzene	11.66	112	148913	19.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52885	20.05	ug/l	99
67) Ethyl Benzene	11.74	91	258655	19.39	ug/l	99
68) m/p-Xylenes	11.85	106	199491	39.35	ug/l	100
69) o-Xylene	12.17	106	91172	19.47	ug/l	100
70) Styrene	12.19	104	156689	20.00	ug/l	99
71) Bromoform	12.35	173	27770	20.17	ug/l #	98
73) Isopropylbenzene	12.47	105	254079	18.96	ug/l	100
74) N-amyl acetate	12.28	43	64136	20.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	49337	21.32	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33004m	19.86	ug/l	
77) Bromobenzene	12.75	156	61251	19.54	ug/l	98
78) n-propylbenzene	12.81	91	317566	19.30	ug/l	100
79) 2-Chlorotoluene	12.90	91	179529	19.30	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	218039	19.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15490	21.17	ug/l	96
82) 4-Chlorotoluene	12.99	91	193987	19.67	ug/l	98
83) tert-Butylbenzene	13.21	119	185077	19.31	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	228603	19.69	ug/l	99
85) sec-Butylbenzene	13.39	105	278168	19.51	ug/l	100
86) p-Isopropyltoluene	13.51	119	239304	19.07	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	126475	19.70	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	126917	19.88	ug/l	98
89) n-Butylbenzene	13.84	91	238831	19.48	ug/l	98
90) Hexachloroethane	14.10	117	44586	19.61	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	112851	20.03	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8330	21.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	80328	20.30	ug/l	100
94) Hexachlorobutadiene	15.25	225	46926	19.87	ug/l	99
95) Naphthalene	15.38	128	139760	20.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	71198	20.40	ug/l	99

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

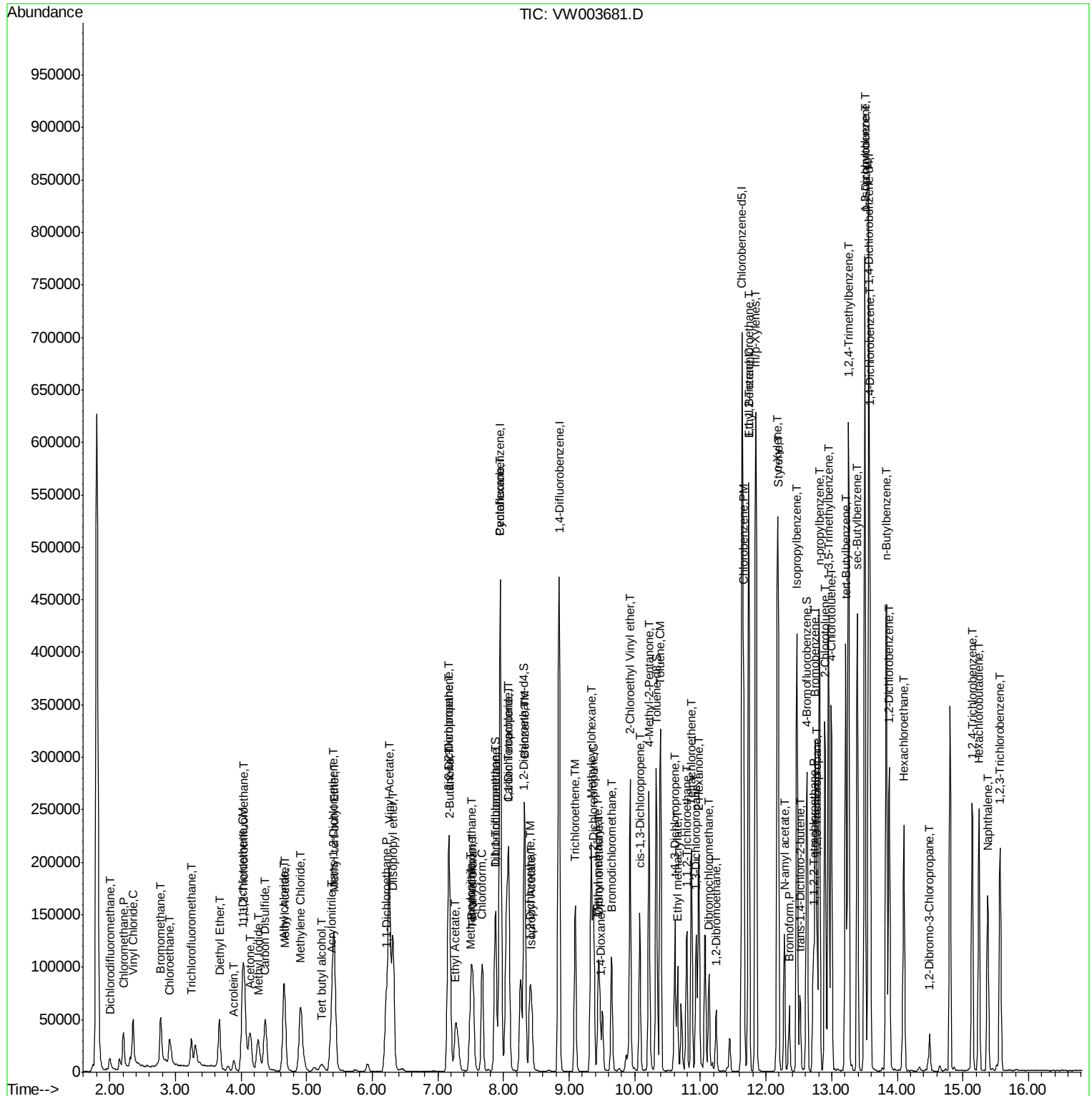
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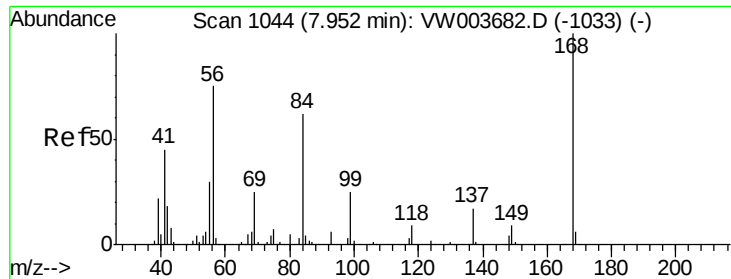
Instrument :
MSVOA_W
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 244523

Ion Ratio Lower Upper

168 100

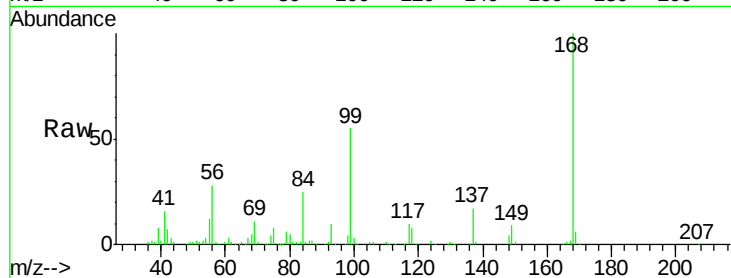
99 55.4 45.4 68.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

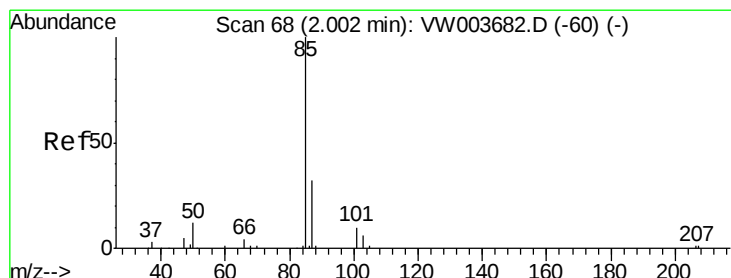
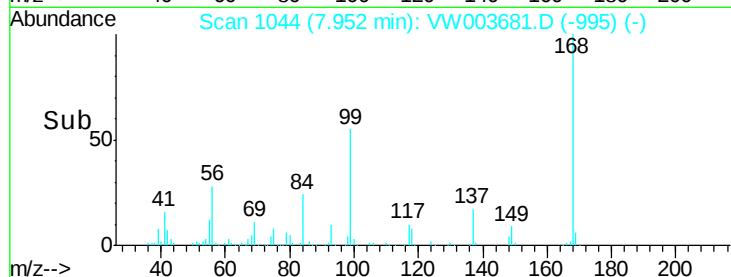
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.07 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW003681.D

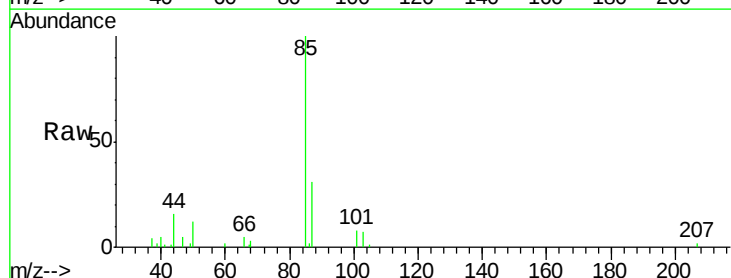
Acq: 02 Jul 2018 17:24

Tgt Ion: 85 Resp: 18916

Ion Ratio Lower Upper

85 100

87 30.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

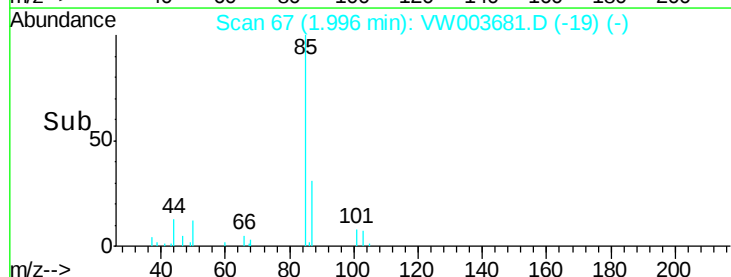
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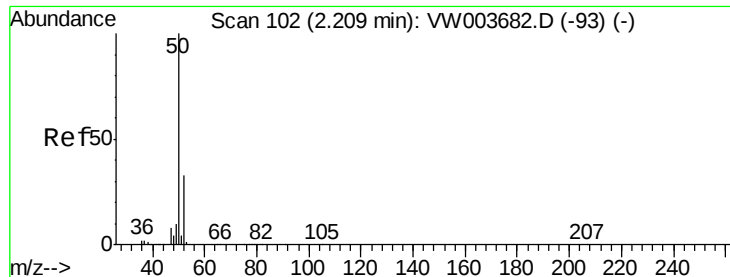
4000

2000

0

Time-->





#3

Chloromethane

Concen: 18.98 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 36169

Ion Ratio Lower Upper

50 100

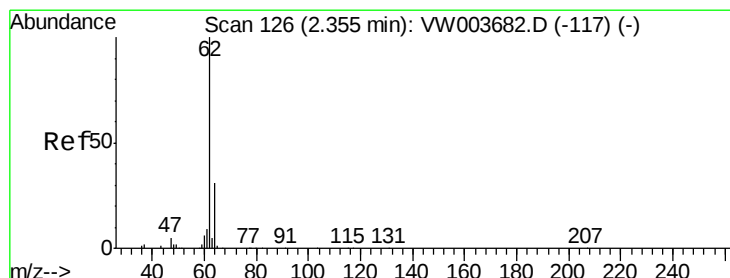
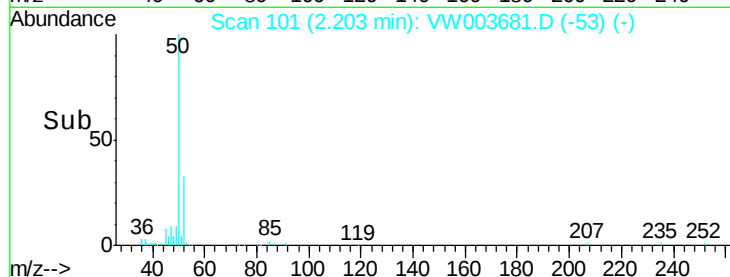
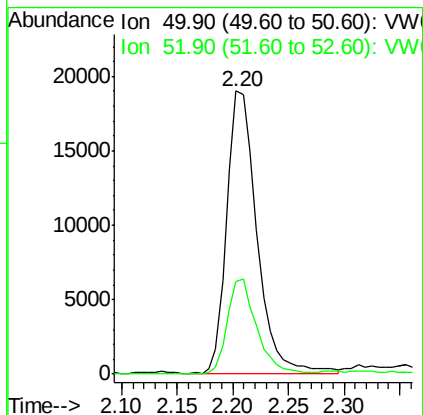
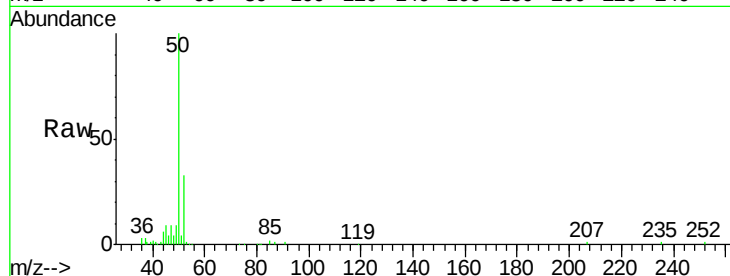
52 32.9 26.1 39.1

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#4

Vinyl Chloride

Concen: 17.63 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003681.D

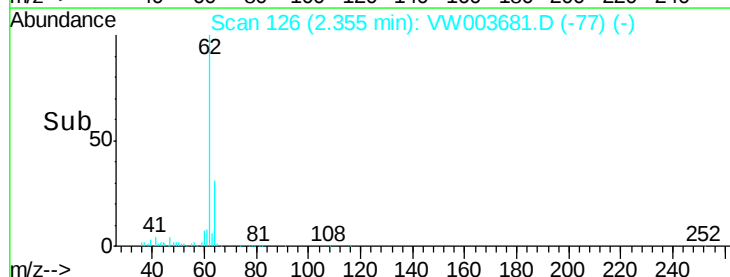
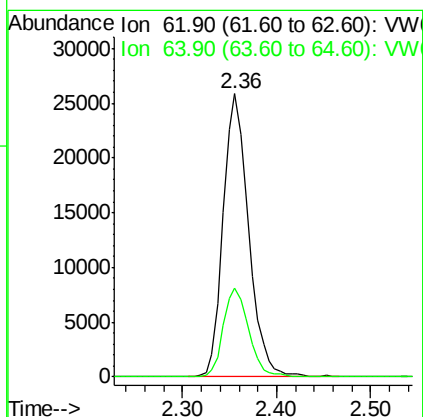
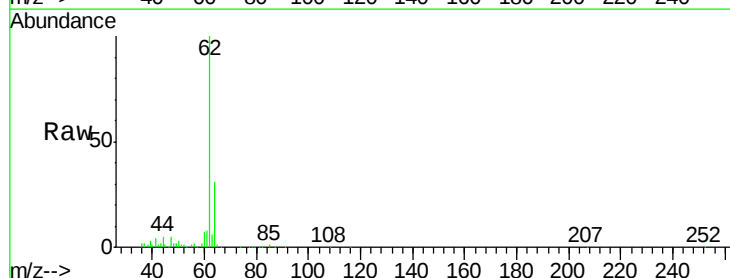
Acq: 02 Jul 2018 17:24

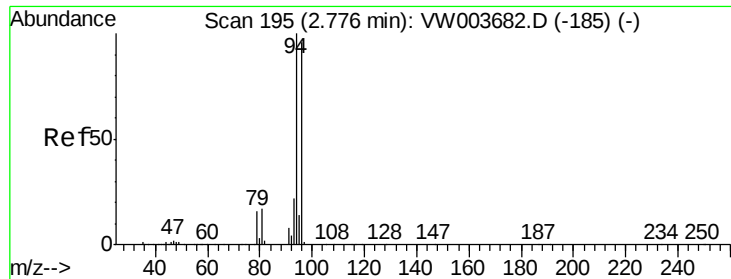
Tgt Ion: 62 Resp: 48565

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 18.00 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 32762

Ion Ratio Lower Upper

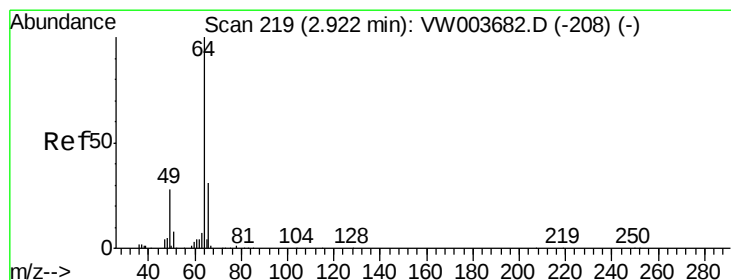
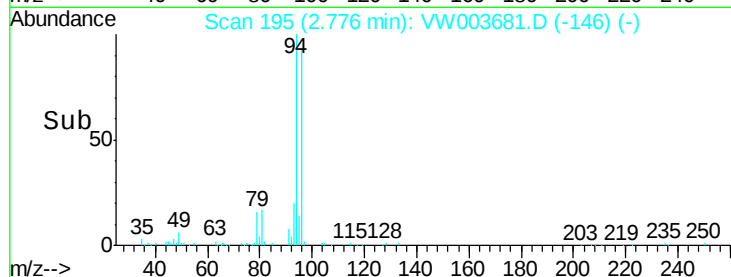
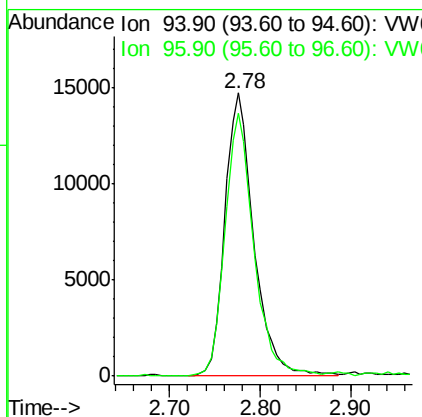
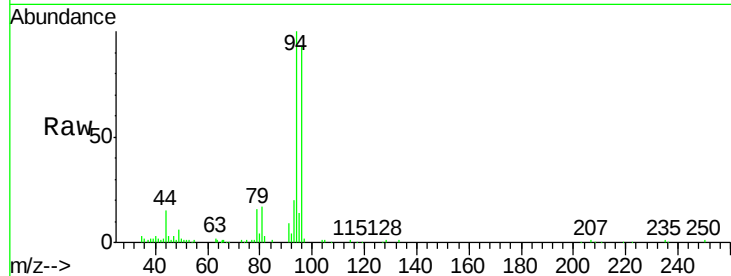
94 100

96 92.8 76.6 115.0

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#6

Chloroethane

Concen: 16.21 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003681.D

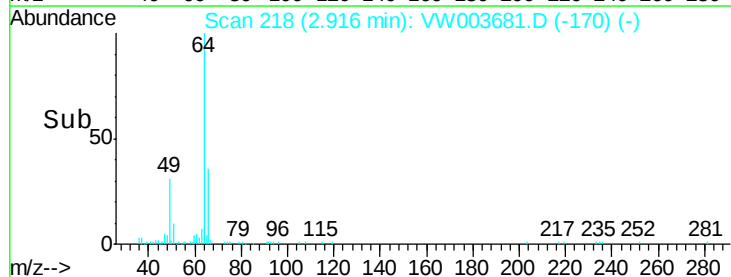
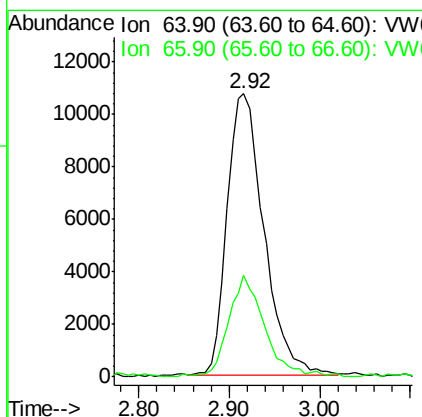
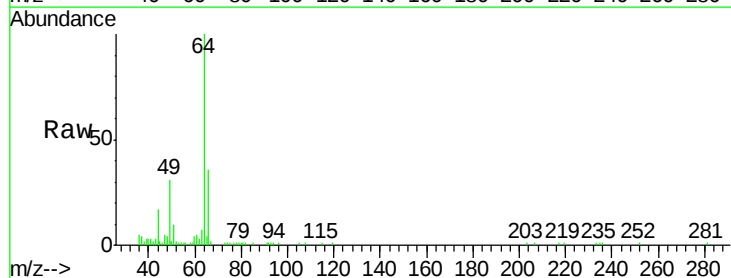
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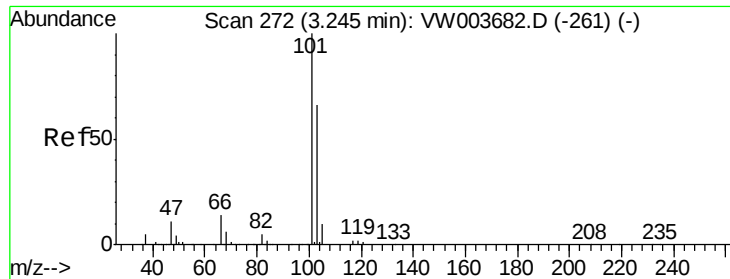
Tgt Ion: 64 Resp: 30373

Ion Ratio Lower Upper

64 100

66 35.3 25.0 37.6





#7

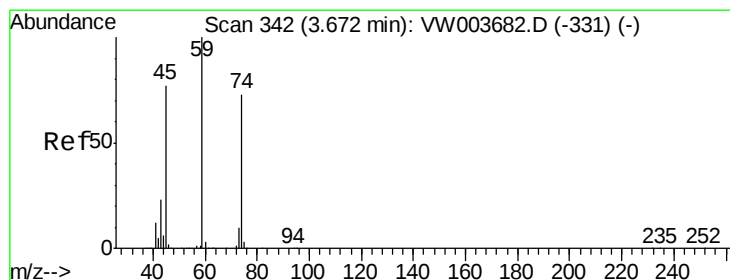
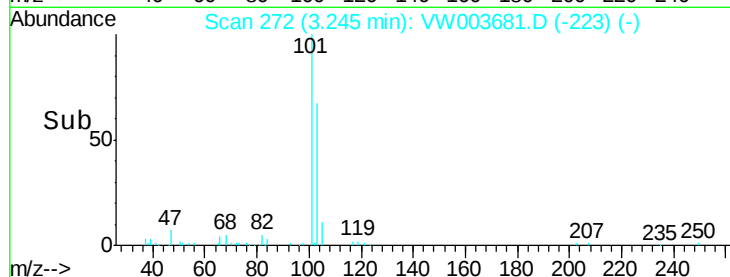
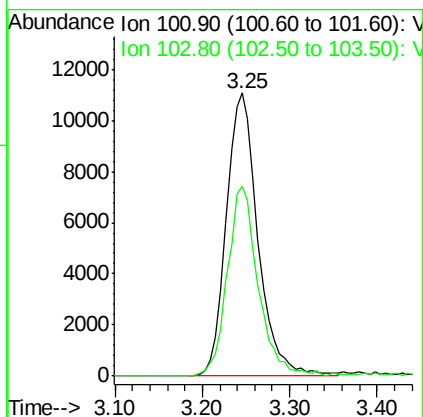
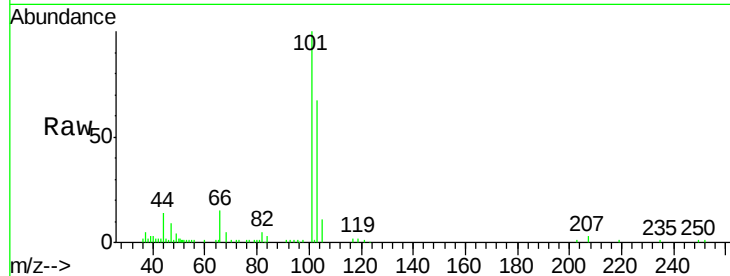
Trichlorofluoromethane
 Concen: 17.39 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.9	79.3

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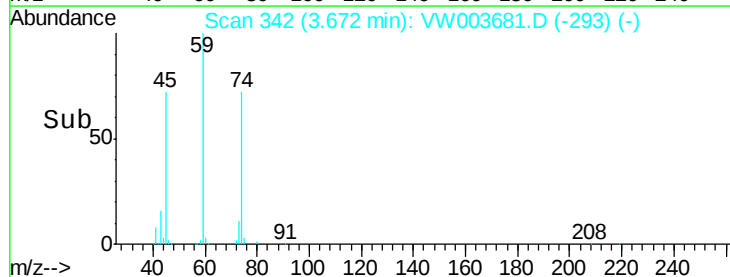
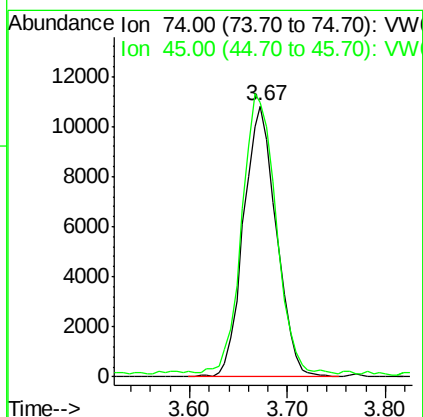
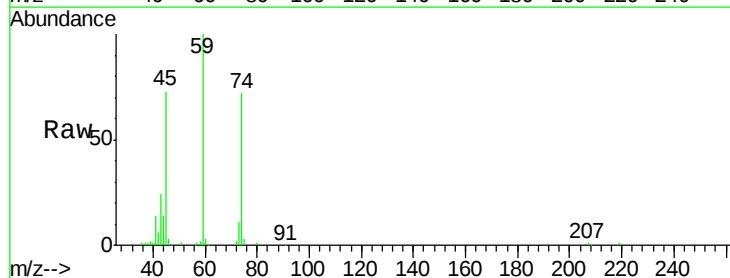
apatel
 7/3/2018 10:16:40 AM

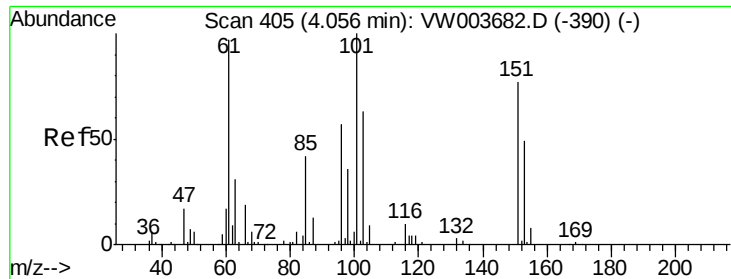


#8

Diethyl Ether
 Concen: 20.61 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	53.5	160.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.09 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003681.D

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MSVOA_W

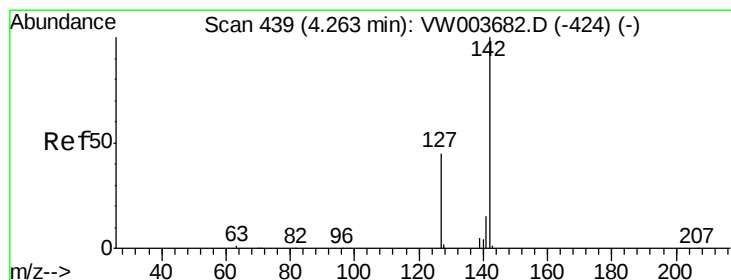
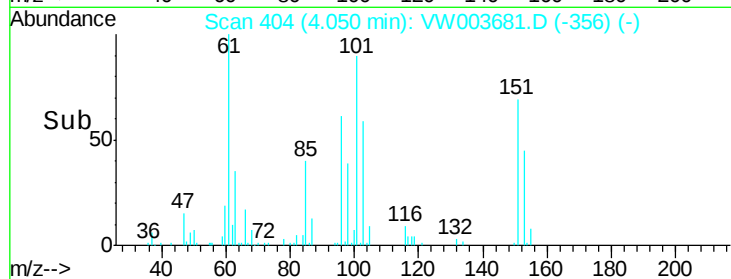
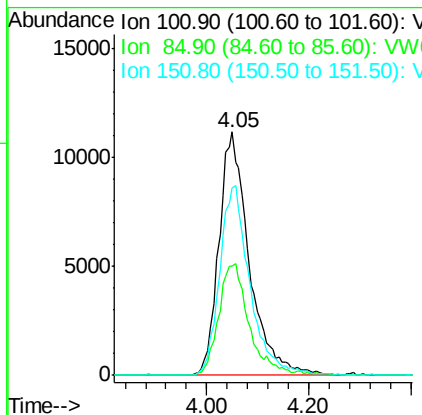
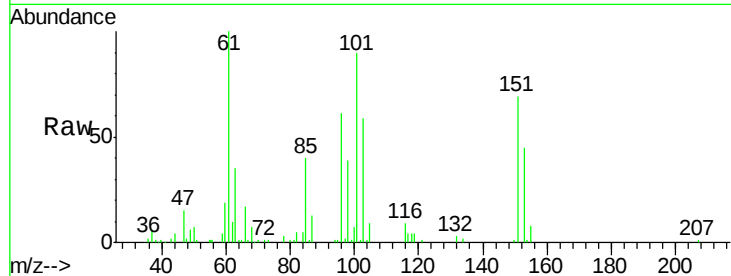
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	46154
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.6	55.0
151	77.6	62.4	93.6

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#10

Methyl Iodide

Concen: 18.80 ug/l

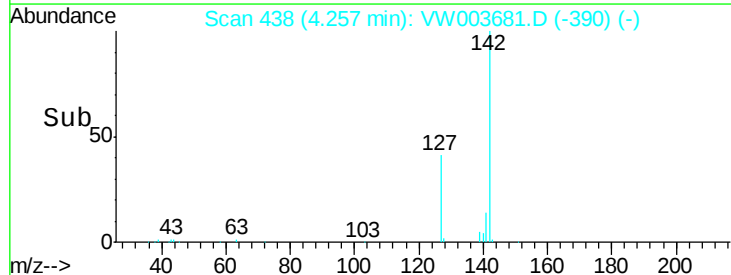
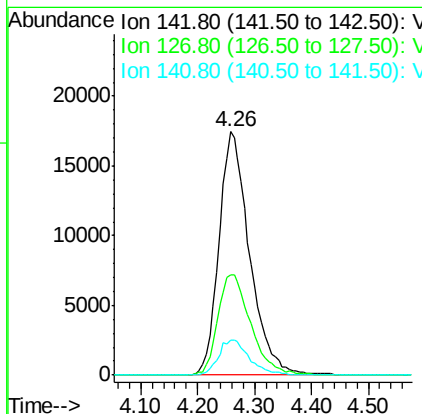
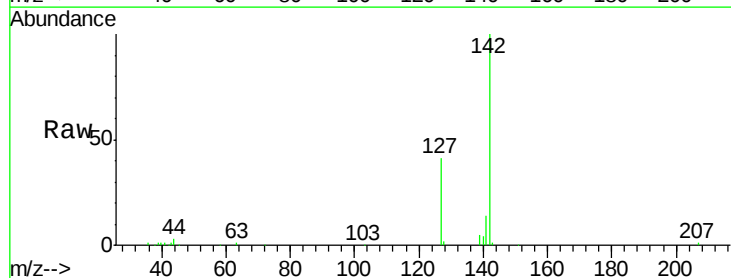
RT: 4.26 min Scan# 438

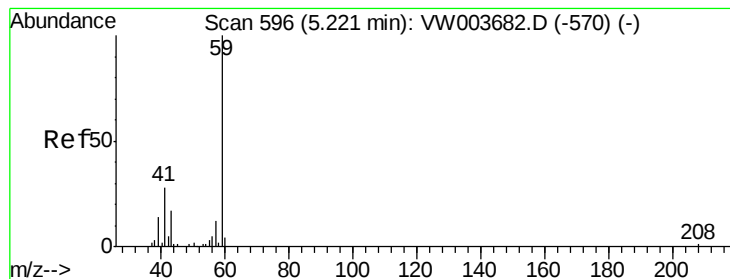
Delta R.T. -0.01 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	142	Resp:	65173
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.0	54.0
141	14.5	11.9	17.9





#11

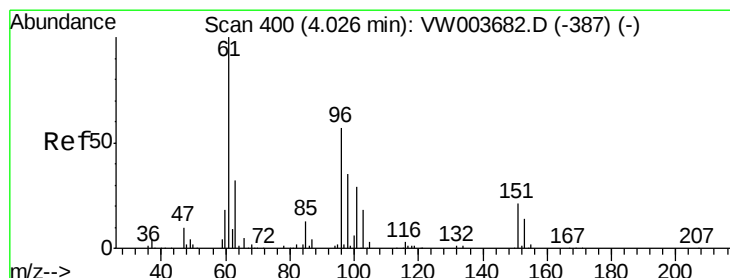
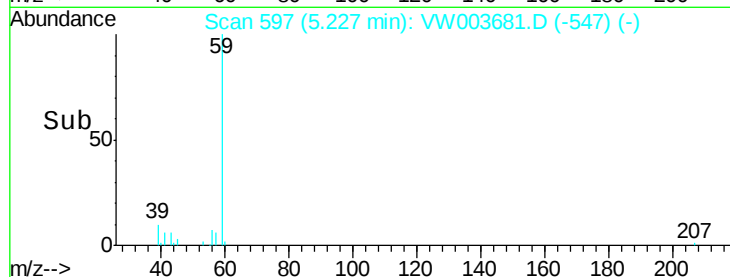
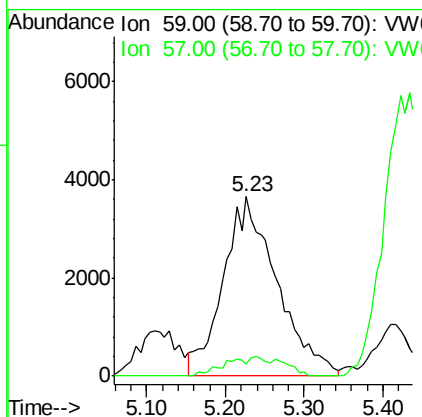
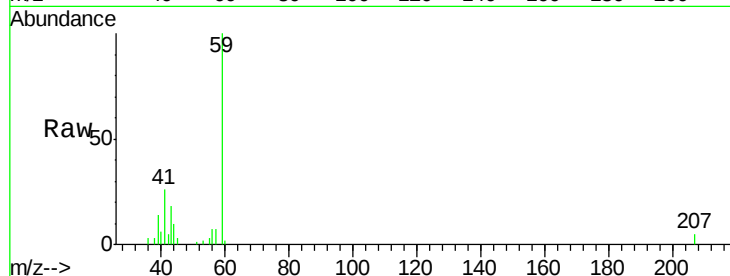
Tert butyl alcohol
Concen: 117.63 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	9.0	13.4#

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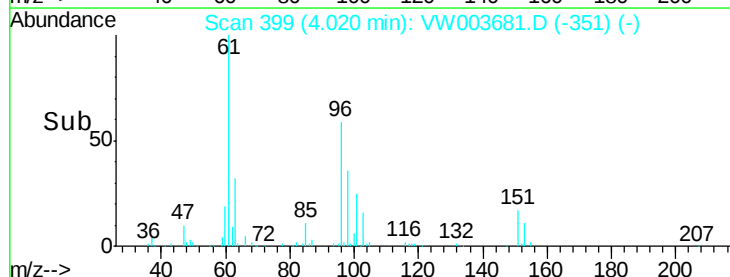
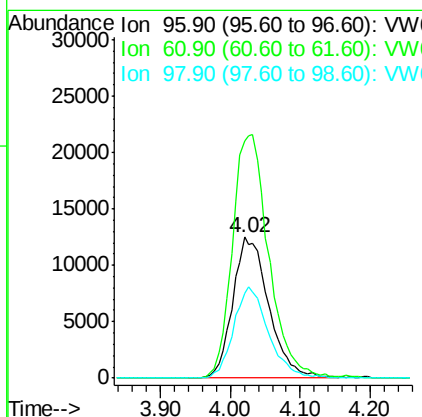
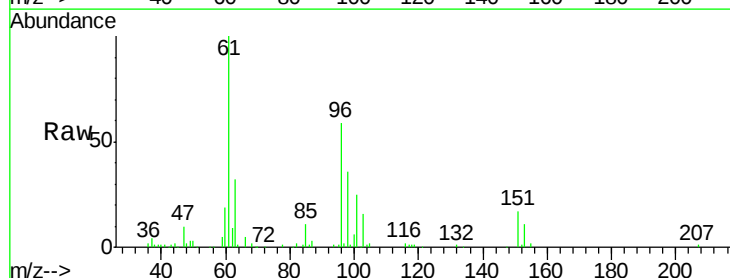
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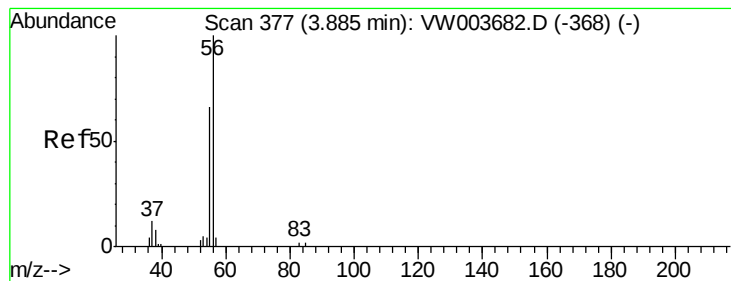


#12

1,1-Dichloroethene
Concen: 19.73 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	140.6	211.0
98	60.0	49.4	74.0





#13

Acrolein

Concen: 62.05 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 11165

Ion Ratio Lower Upper

56 100

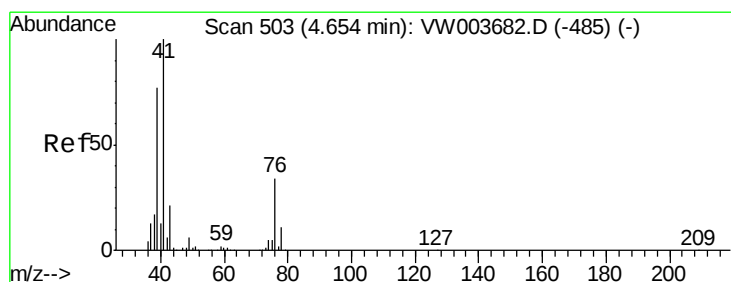
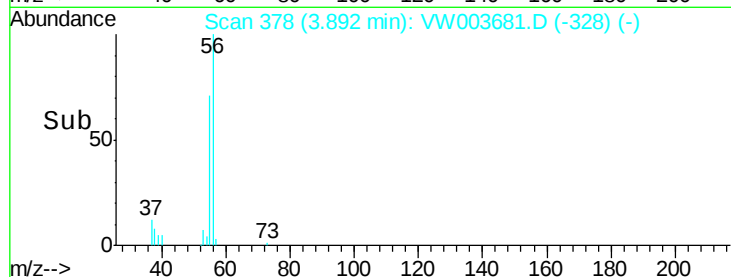
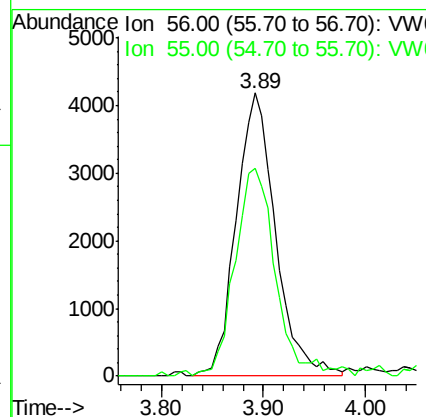
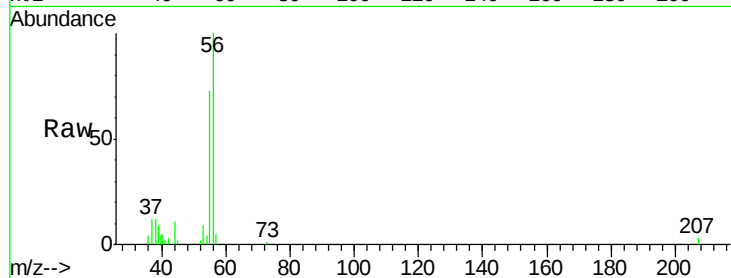
55 75.7 54.7 82.1

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#14

Allyl chloride

Concen: 19.32 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

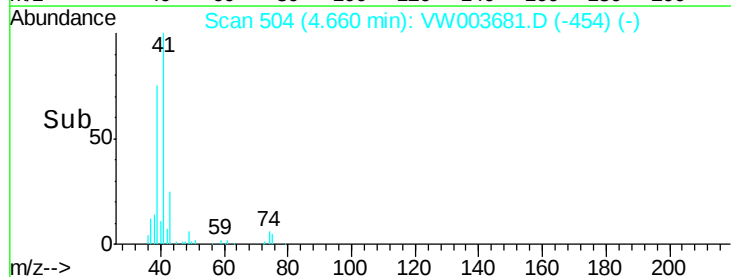
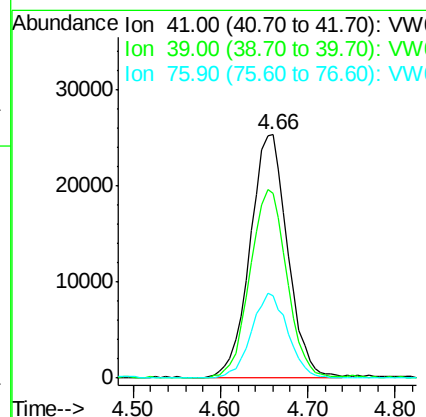
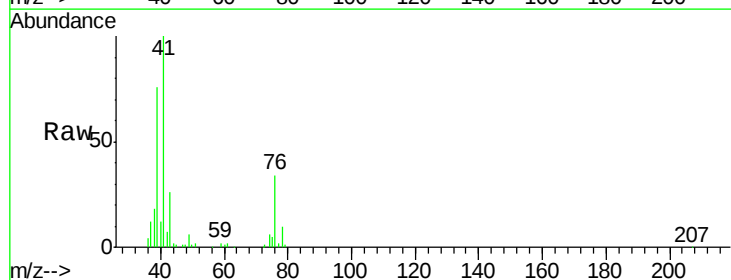
Tgt Ion: 41 Resp: 75242

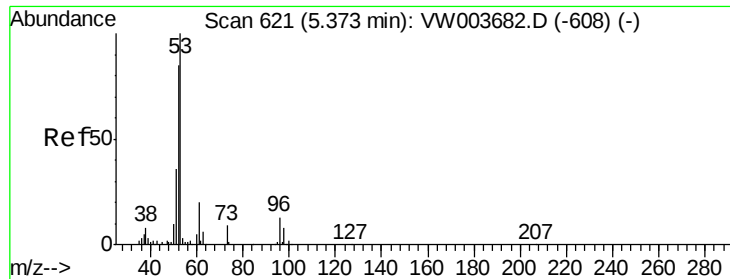
Ion Ratio Lower Upper

41 100

39 76.8 60.1 90.1

76 34.0 27.2 40.8





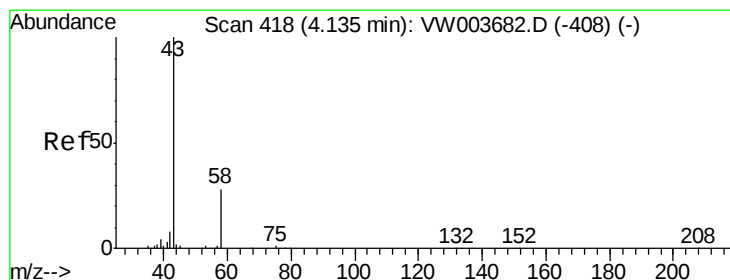
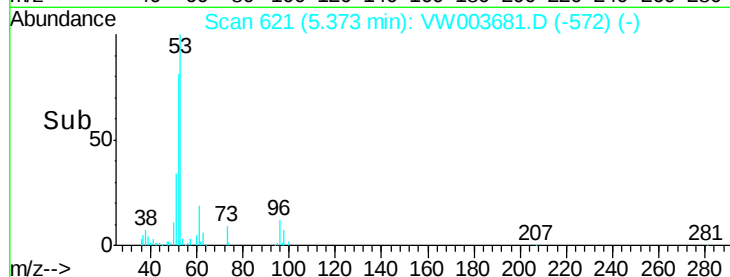
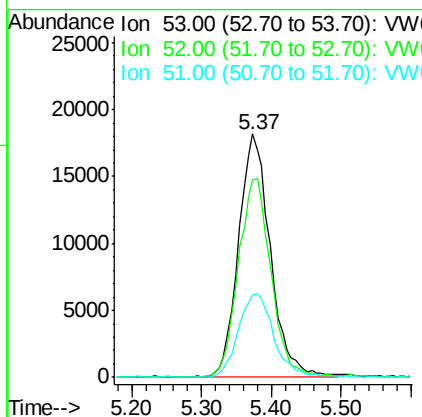
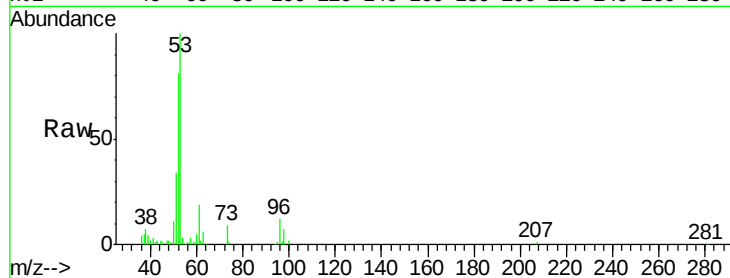
#15
 Acrylonitrile
 Concen: 112.32 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion:	53	Resp:	57443
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.8	100.2
51	38.4	30.2	45.4

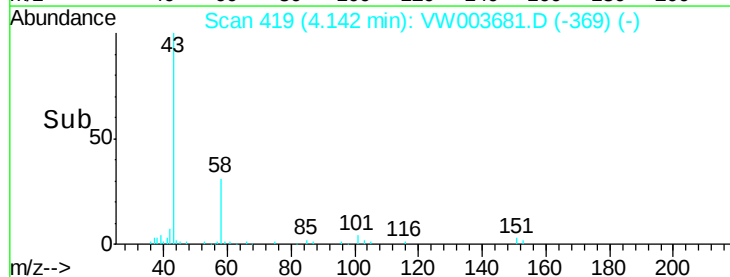
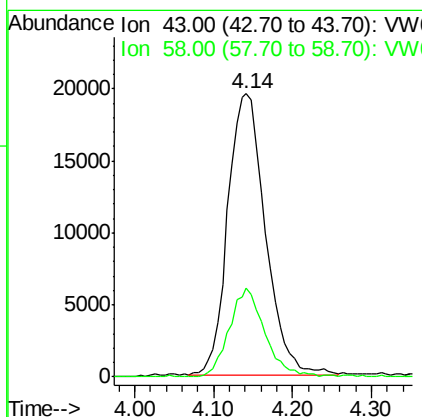
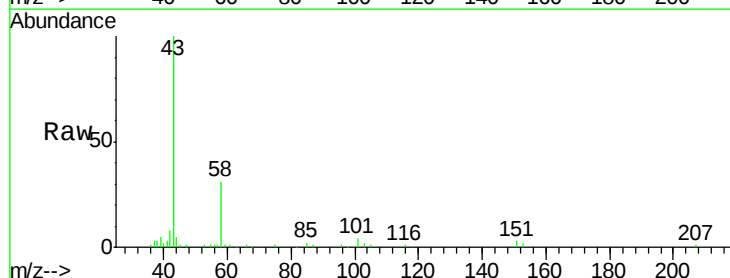
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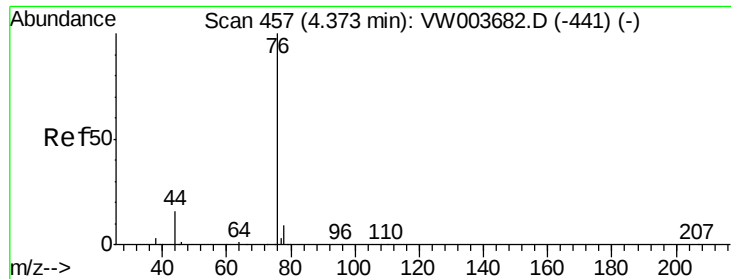
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#16
 Acetone
 Concen: 112.52 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion:	43	Resp:	64733
Ion	Ratio	Lower	Upper
43	100		
58	31.5	22.7	34.1





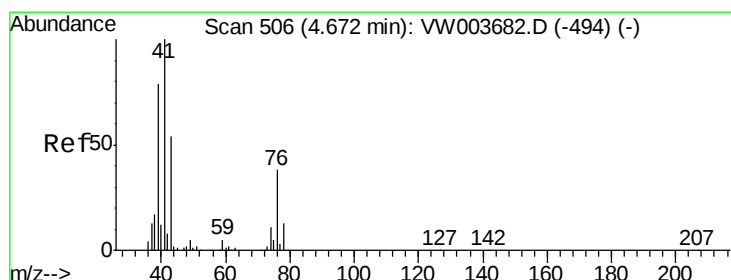
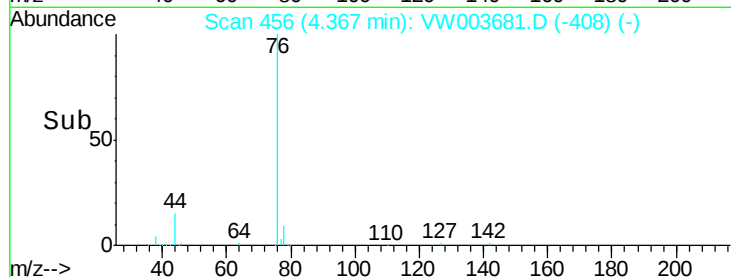
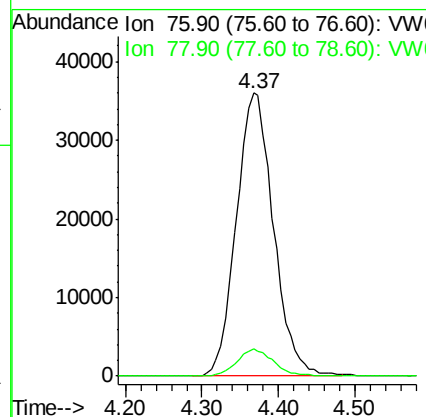
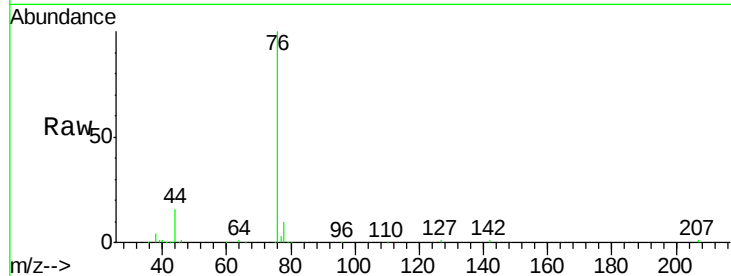
#17
Carbon Disulfide
Concen: 17.92 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

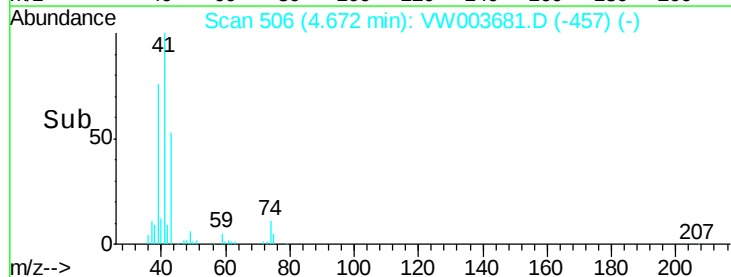
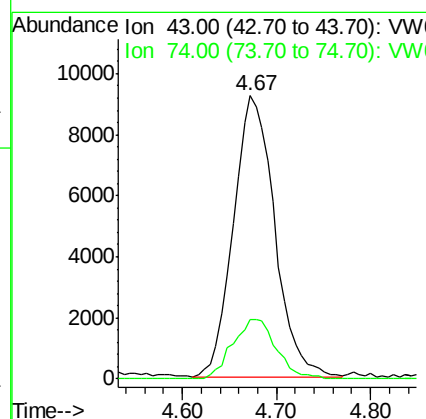
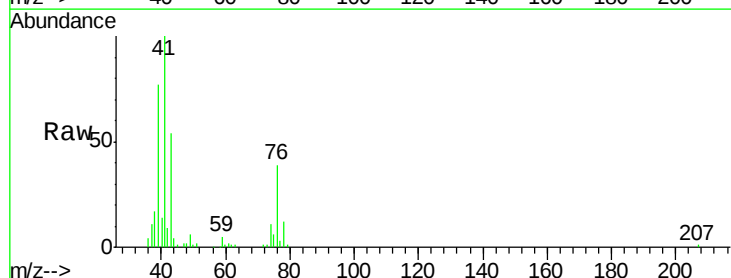
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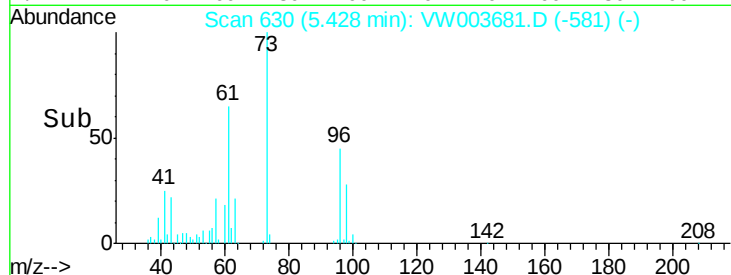
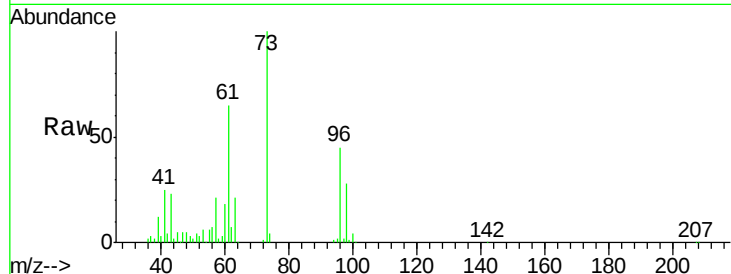
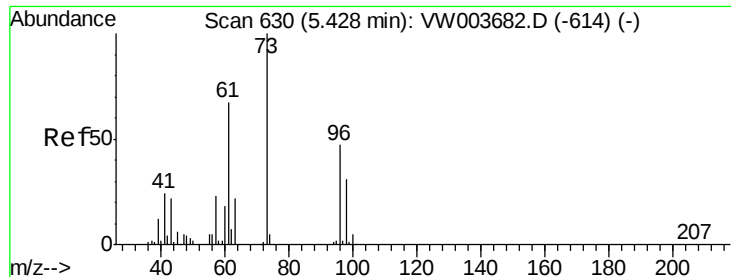
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#18
Methyl Acetate
Concen: 21.01 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.2	27.2





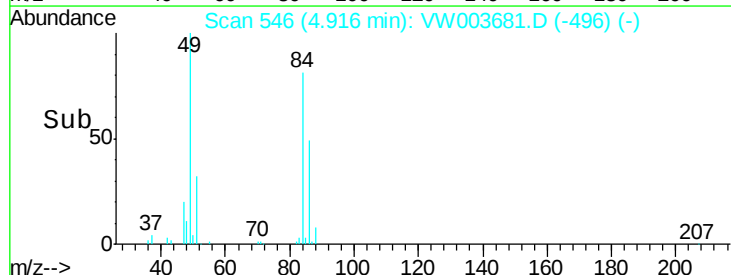
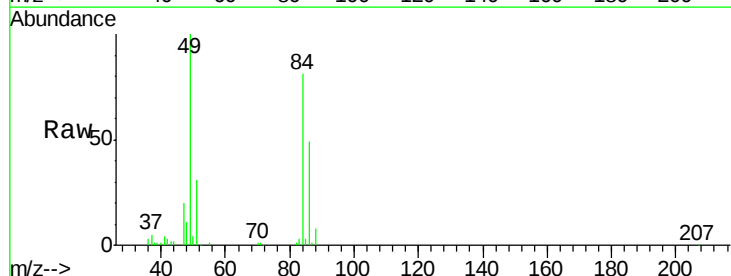
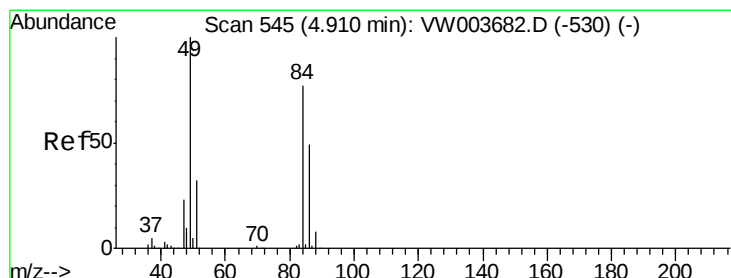
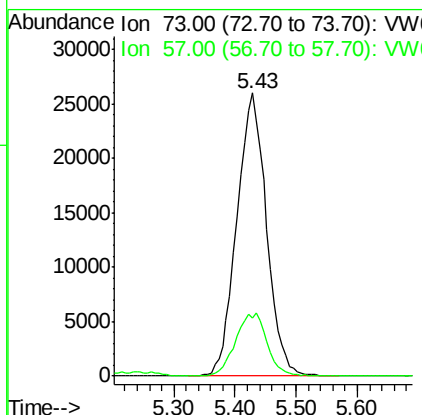
#19
Methyl tert-butyl Ether
Concen: 20.64 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tot Ion: 73 Resp: 87492
Ion Ratio Lower Upper
73 100
57 20.6 18.1 27.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

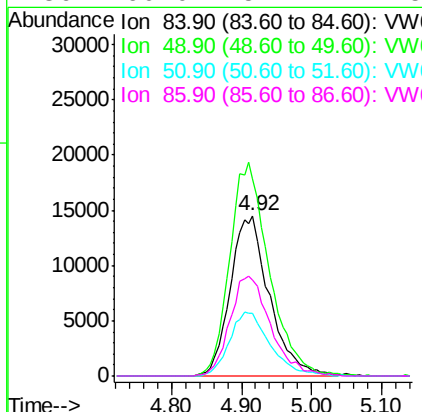
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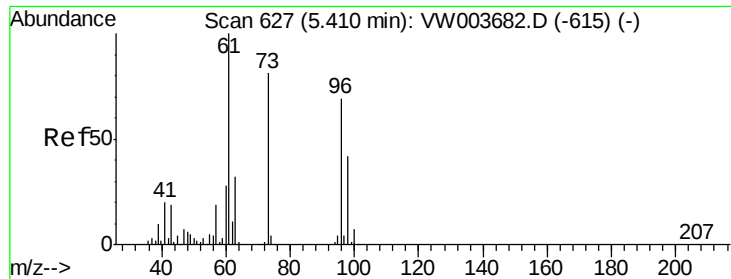
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#20
Methylene Chloride
Concen: 20.07 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion: 84 Resp: 56090
Ion Ratio Lower Upper
84 100
49 123.2 104.6 156.8
51 38.8 33.2 49.8
86 60.0 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.60 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

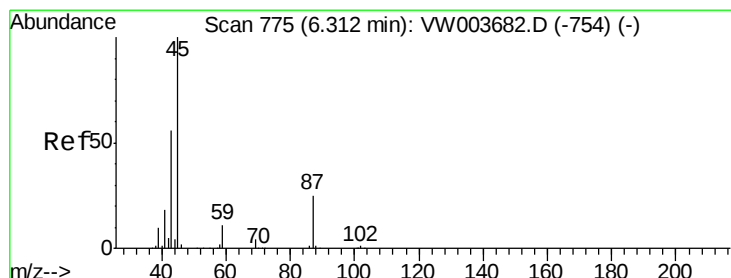
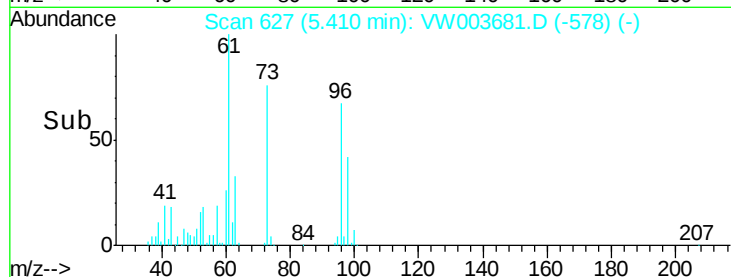
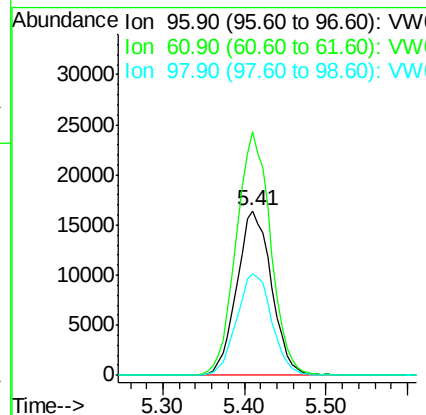
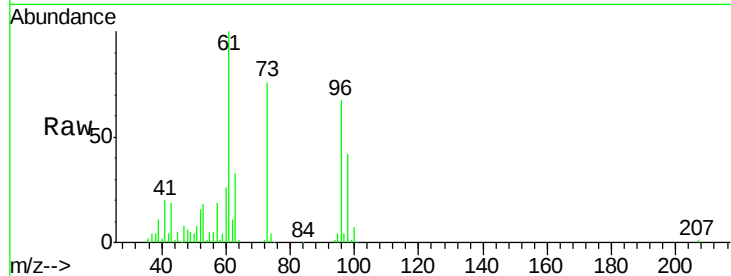
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	48360
Ion	Ratio	Lower	Upper
96	100		
61	148.2	116.8	175.2
98	61.6	49.6	74.4

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#22

Diisopropyl ether

Concen: 20.73 ug/l

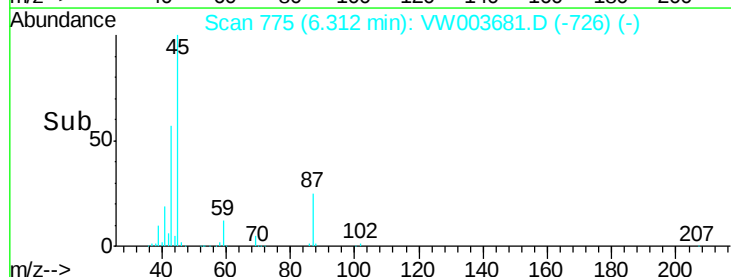
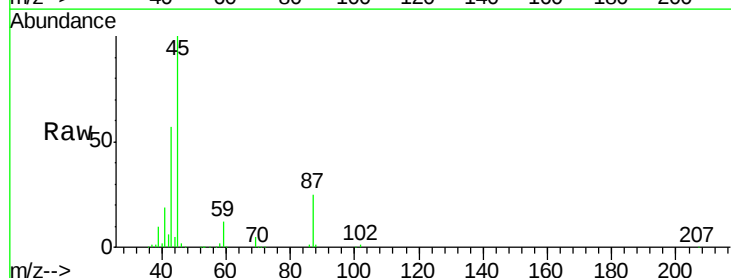
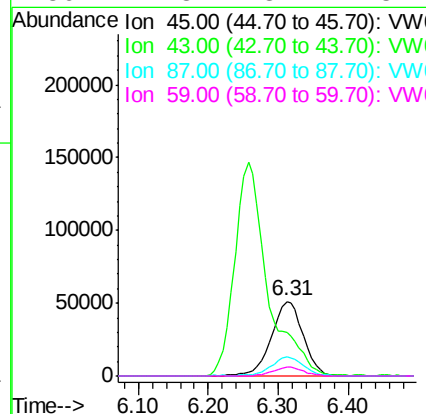
RT: 6.31 min Scan# 775

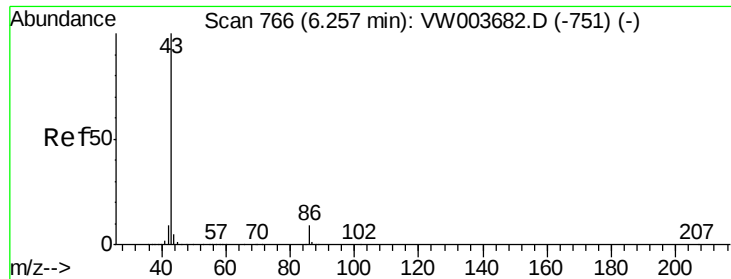
Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	45	Resp:	163034
Ion	Ratio	Lower	Upper
45	100		
43	57.3	44.5	66.7
87	24.9	20.2	30.4
59	11.8	8.7	13.1





#23

Vinyl Acetate

Concen: 104.77 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 481509

Ion Ratio Lower Upper

43 100

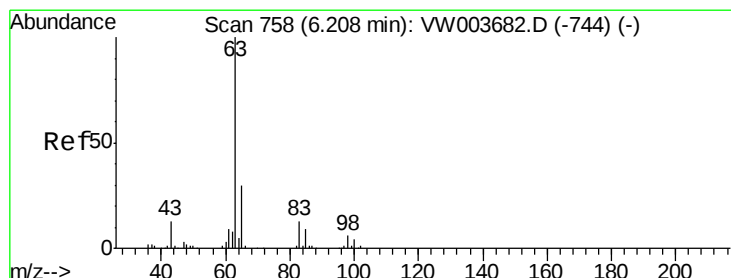
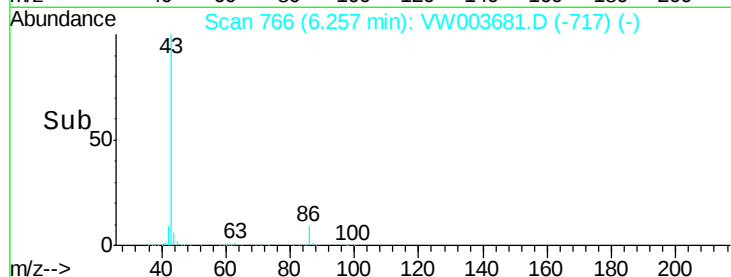
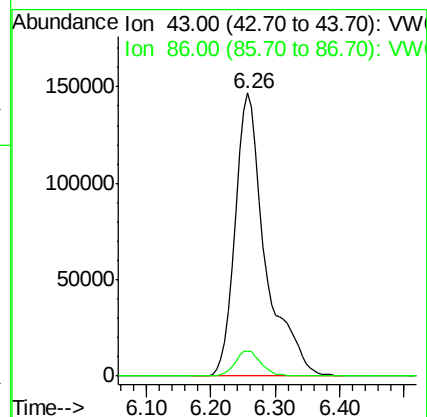
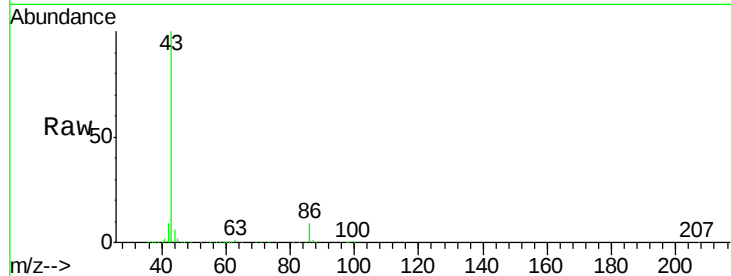
86 9.0 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 20.39 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

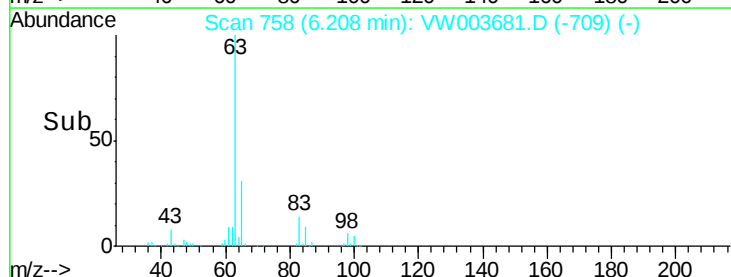
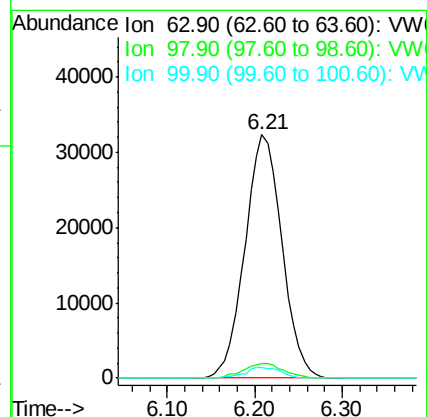
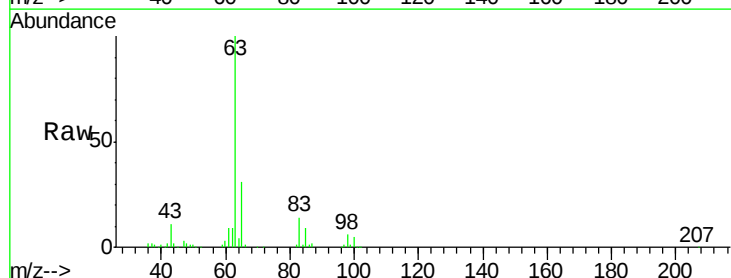
Tgt Ion: 63 Resp: 95166

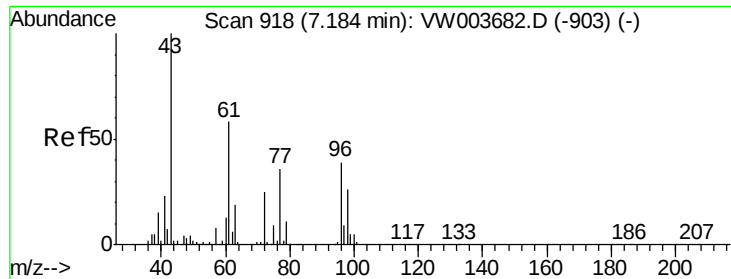
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 4.6 1.9 5.7





#25

2-Butanone

Concen: 118.06 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 85139

Ion Ratio Lower Upper

43 100

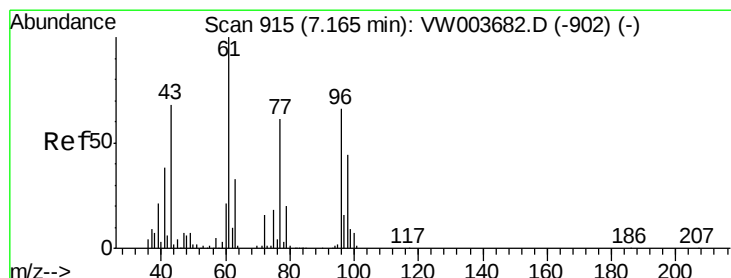
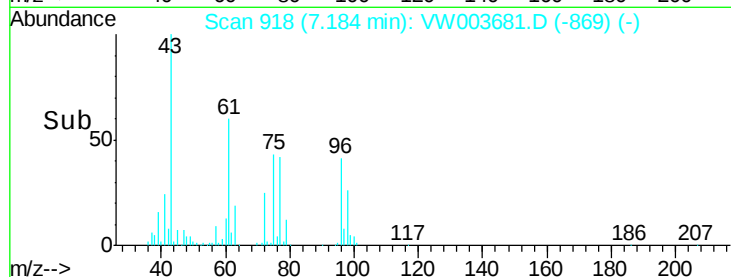
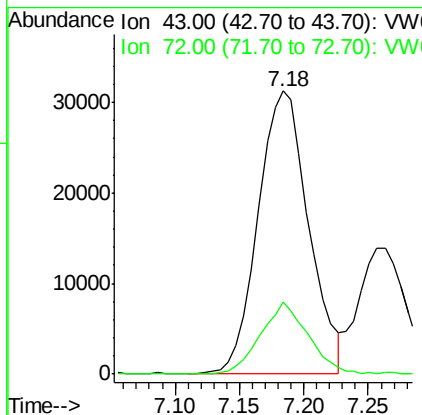
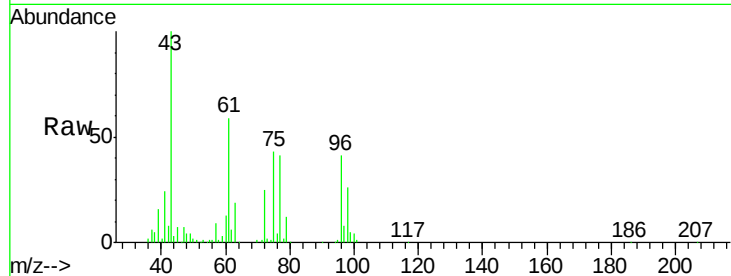
72 25.3 20.2 30.4

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#26

2,2-Dichloropropane

Concen: 19.65 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003681.D

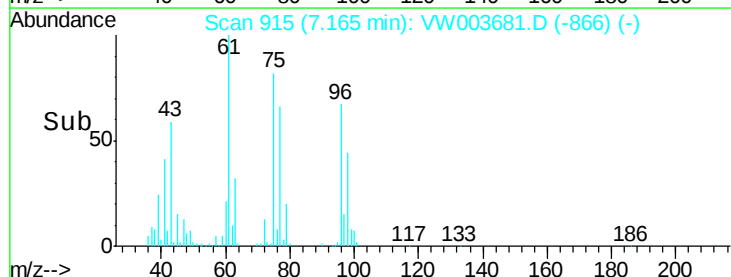
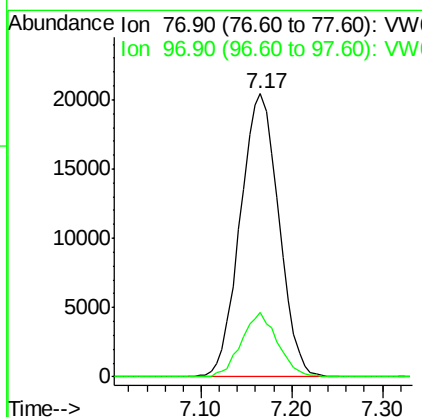
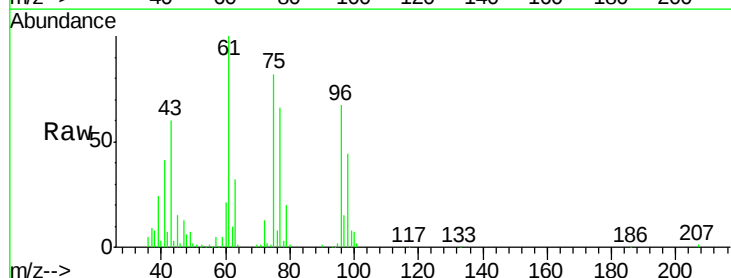
Acq: 02 Jul 2018 17:24

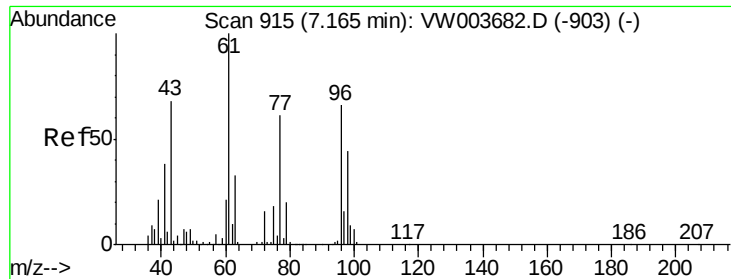
Tgt Ion: 77 Resp: 60125

Ion Ratio Lower Upper

77 100

97 21.4 11.7 35.1





#27

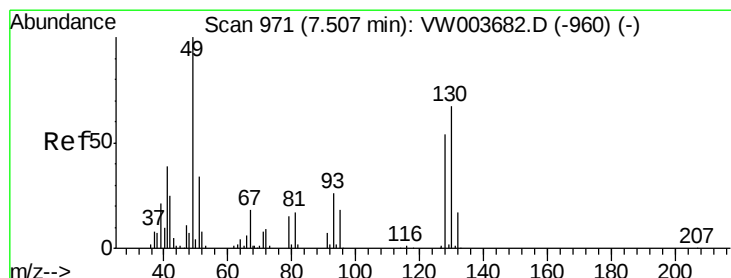
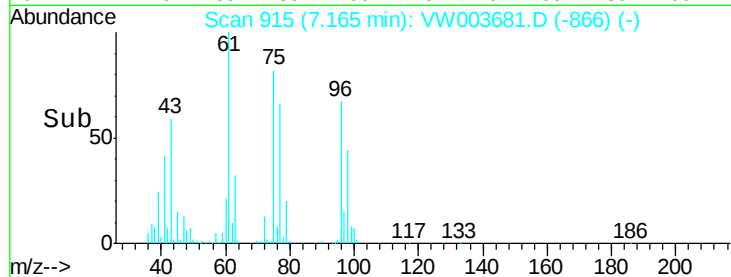
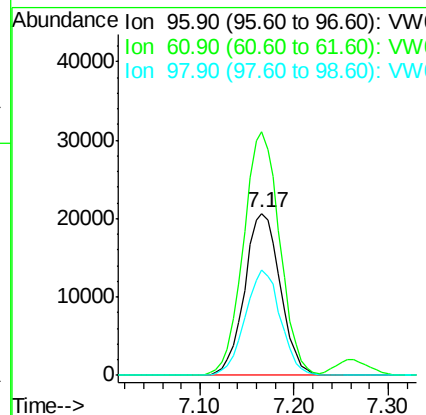
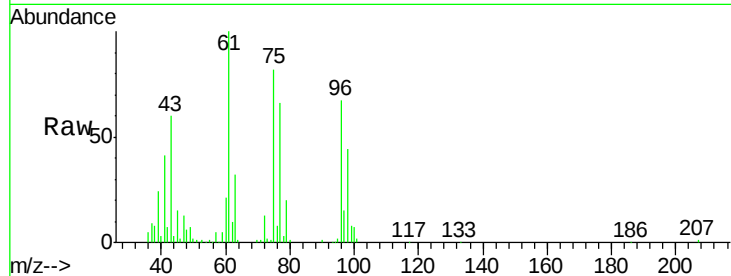
cis-1,2-Dichloroethene
Concen: 20.43 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	305.0
98	64.3	0.0	129.6

Manual Integrations
APPROVED

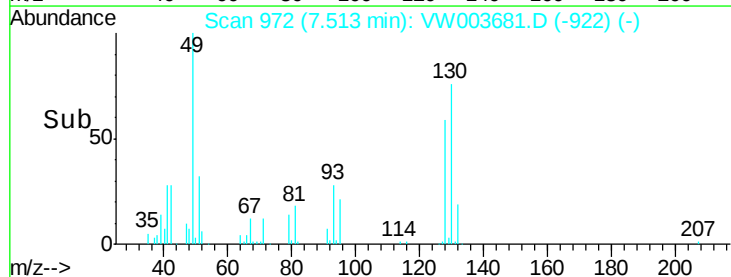
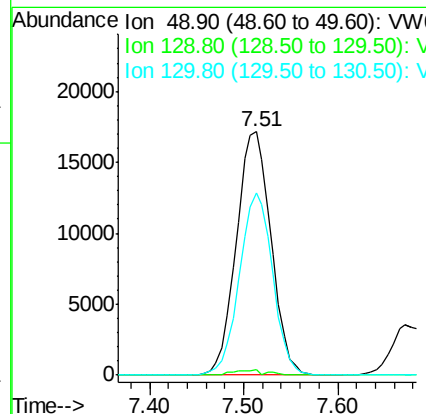
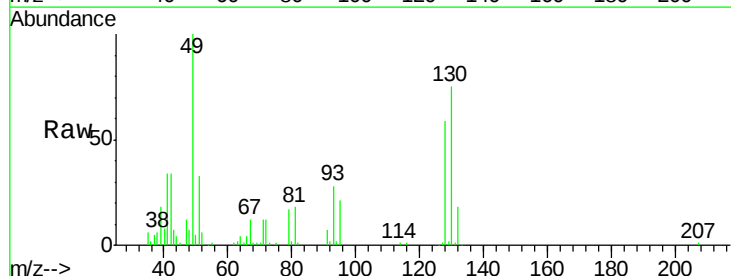
apatel
7/3/2018 10:16:40 AM

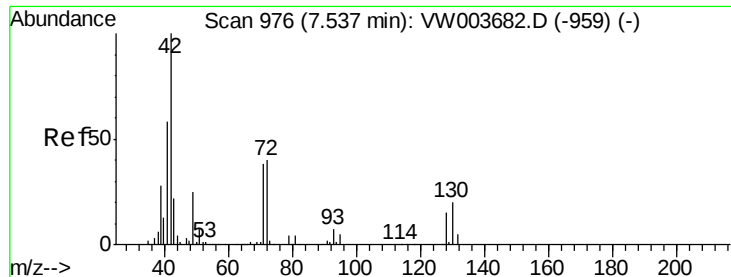


#28

Bromochloromethane
Concen: 22.74 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	71.9	57.0	85.6





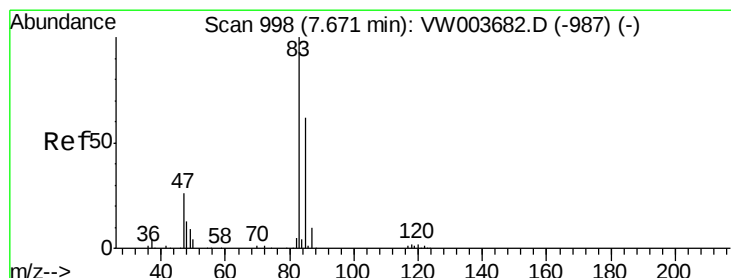
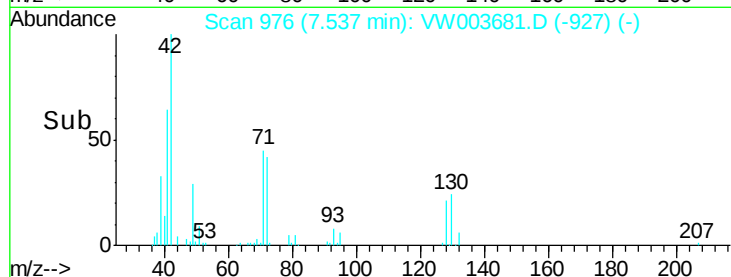
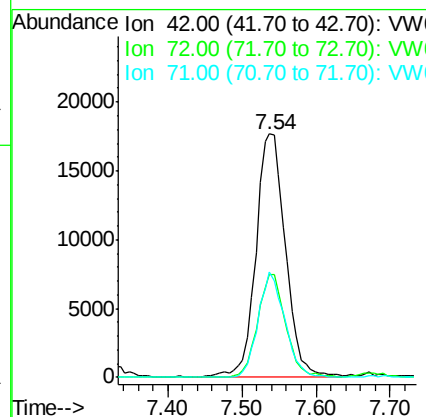
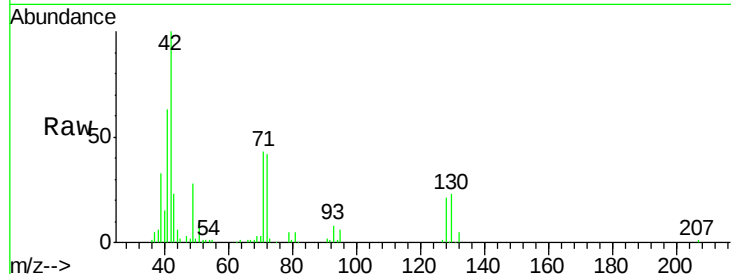
#29
Tetrahydrofuran
Concen: 111.51 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.0	48.0
71	39.0	30.2	45.2

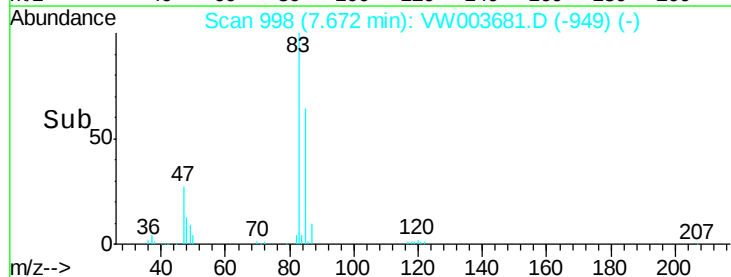
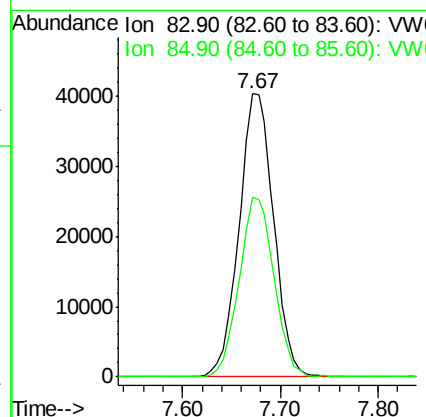
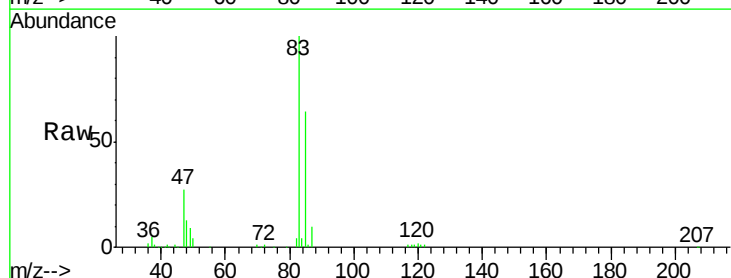
Manual Integrations
APPROVED

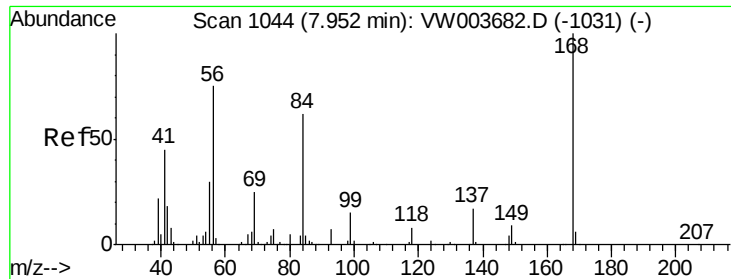
apatel
7/3/2018 10:16:40 AM



#30
Chloroform
Concen: 20.84 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5





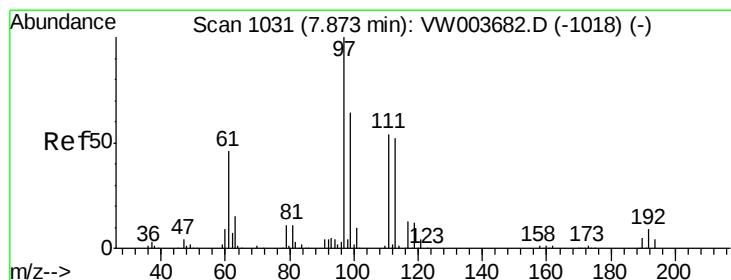
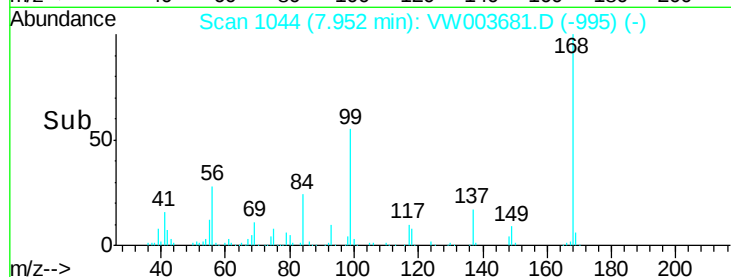
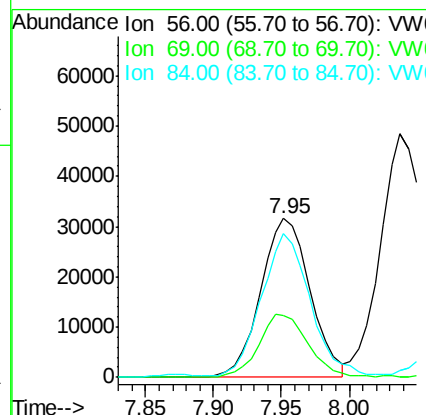
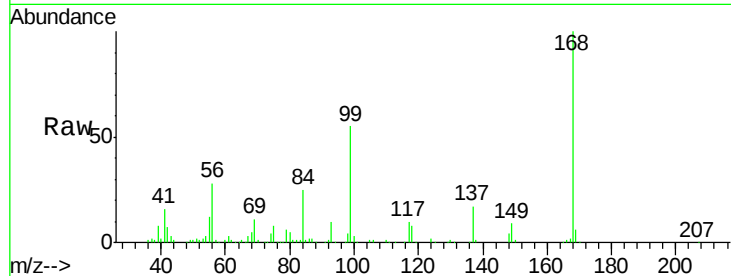
#31
Cyclohexane
Concen: 18.34 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.0	40.4
84	89.4	65.4	98.0

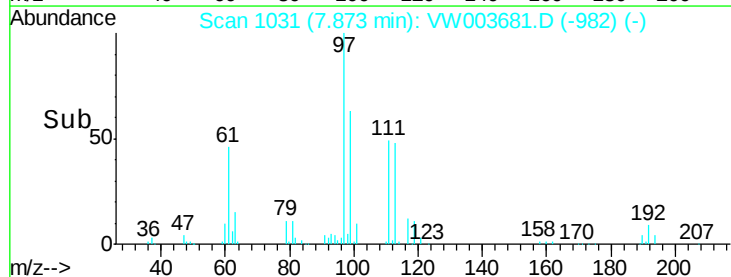
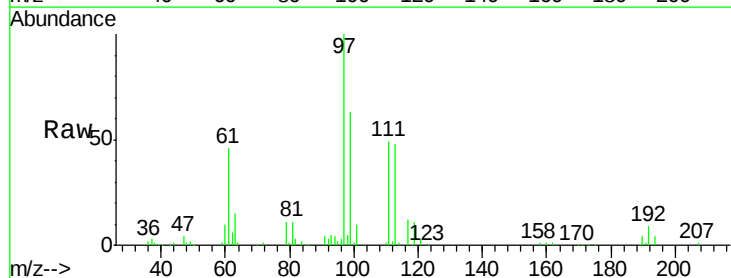
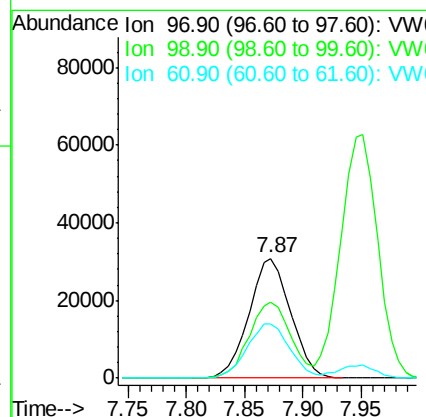
Manual Integrations
APPROVED

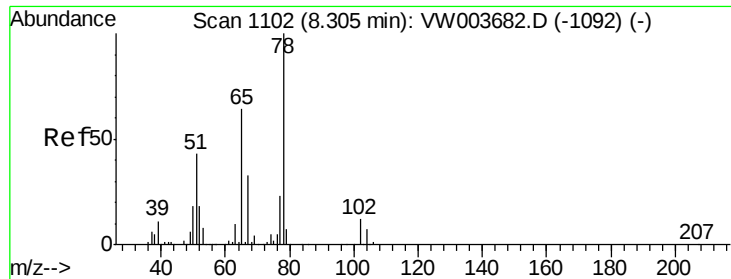
apatel
7/3/2018 10:16:40 AM



#32
1,1,1-Trichloroethane
Concen: 19.75 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	76.0
61	46.9	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 20.77 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 56145

Ion Ratio Lower Upper

65 100

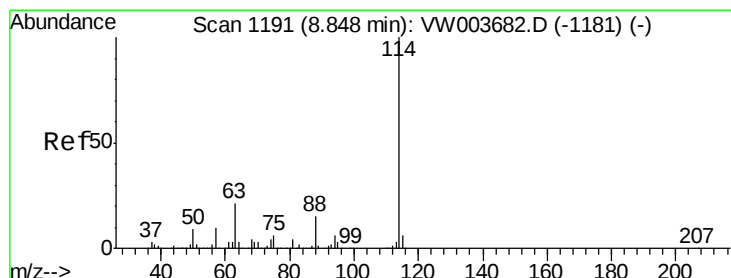
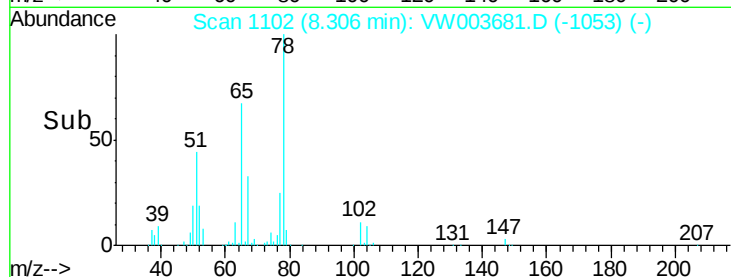
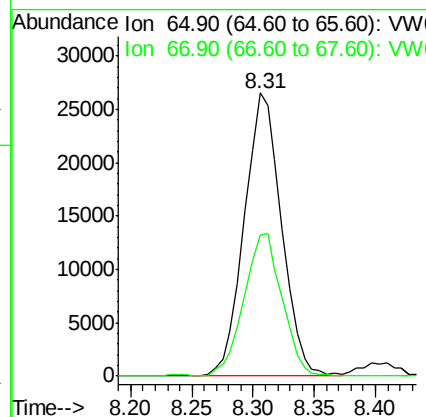
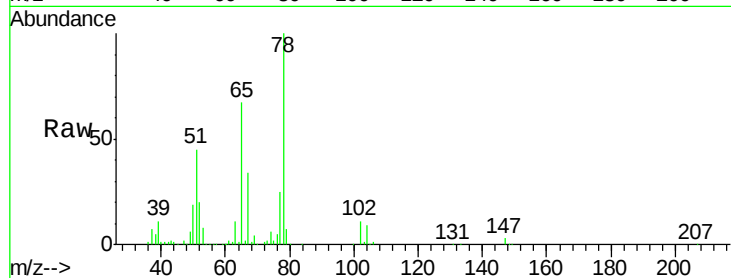
67 51.5 0.0 104.0

Manual Integrations

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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: VW003681.D

Acq: 02 Jul 2018 17:24

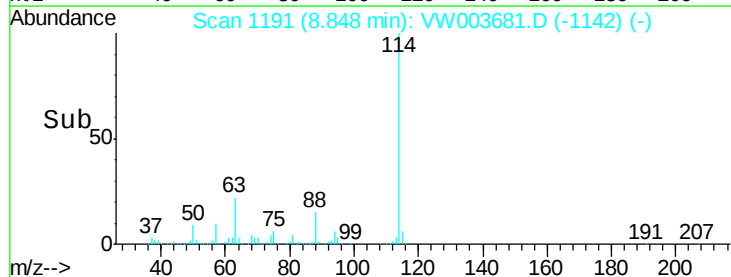
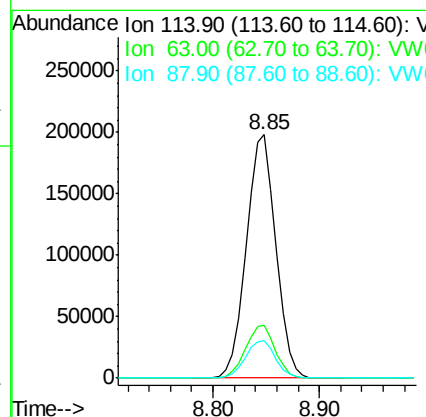
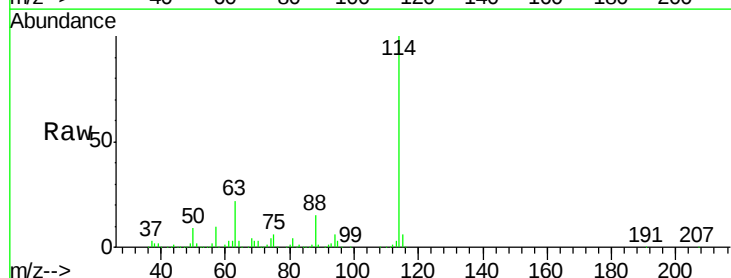
Tgt Ion: 114 Resp: 384747

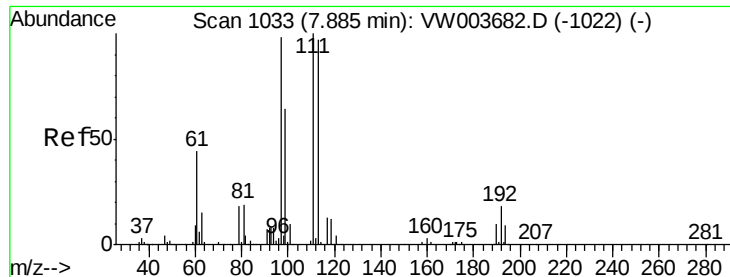
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

88 15.4 0.0 29.8





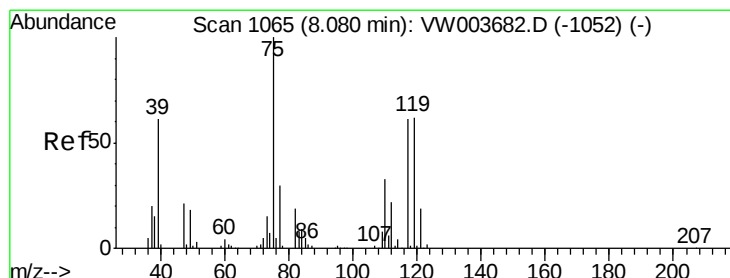
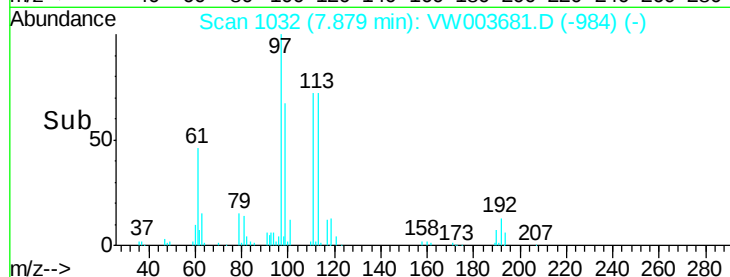
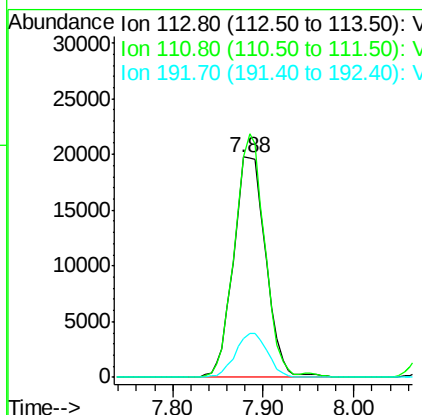
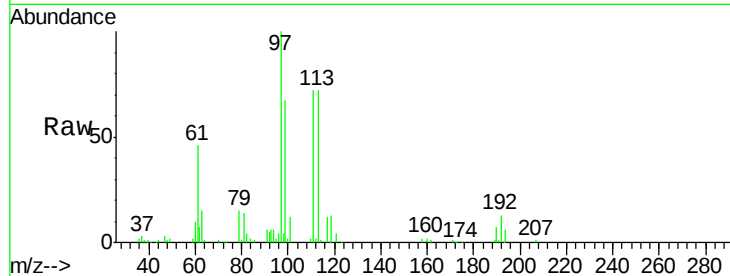
#35
Dibromofluoromethane
Concen: 20.20 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	49078		
111	101.9	82.4	123.6	
192	19.9	15.8	23.6	

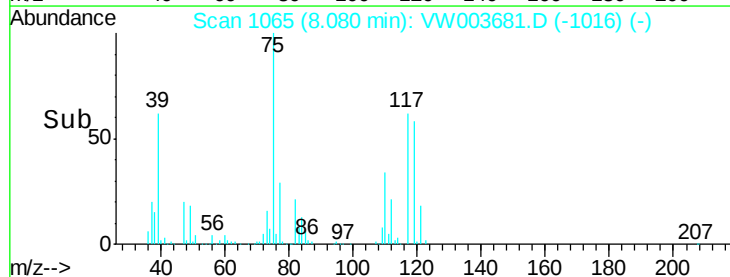
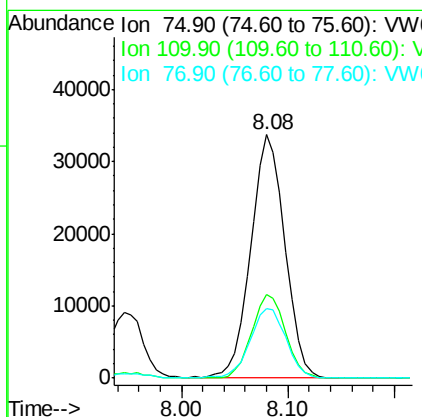
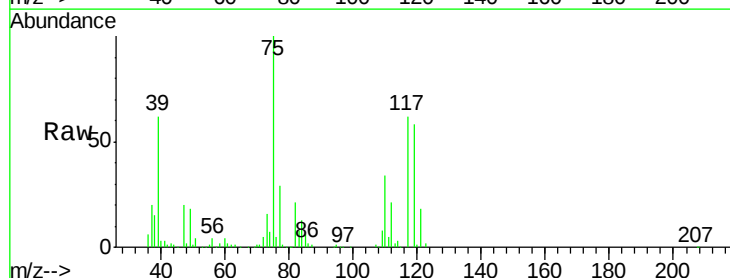
Manual Integrations
APPROVED

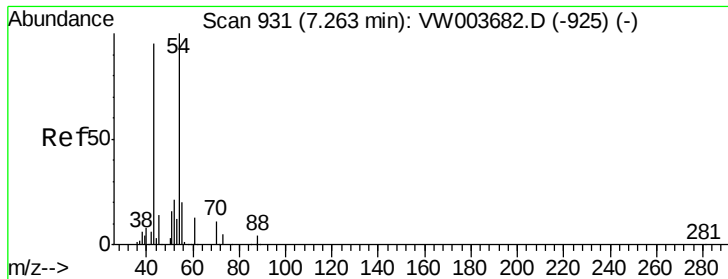
apatel
7/3/2018 10:16:40 AM



#36
1,1-Dichloropropene
Concen: 19.96 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75560		
110	33.9	16.9	50.6	
77	30.4	24.9	37.3	





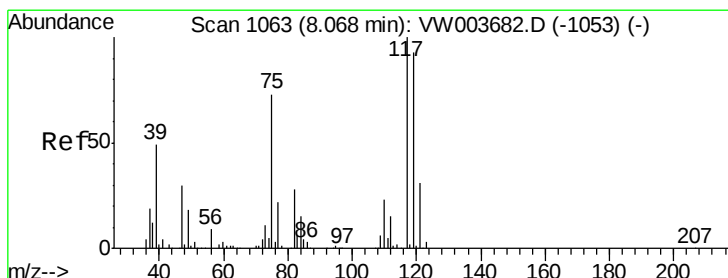
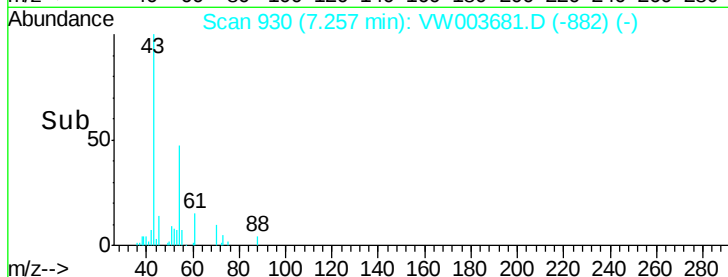
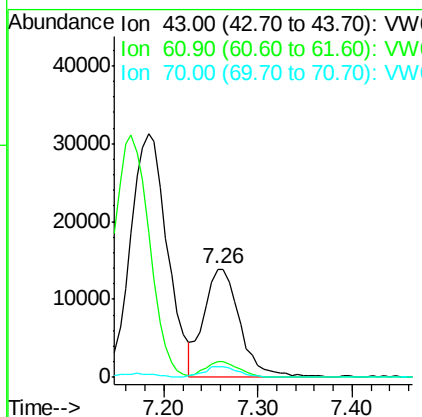
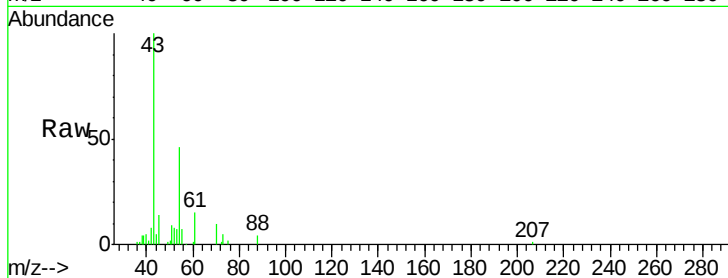
#37
Ethyl Acetate
Concen: 22.87 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.6	7.7	11.5

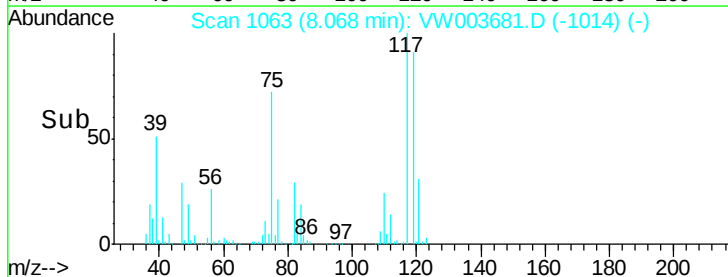
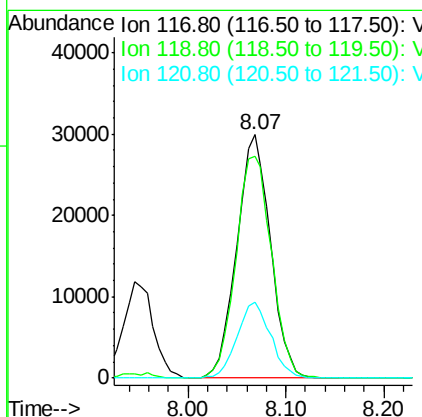
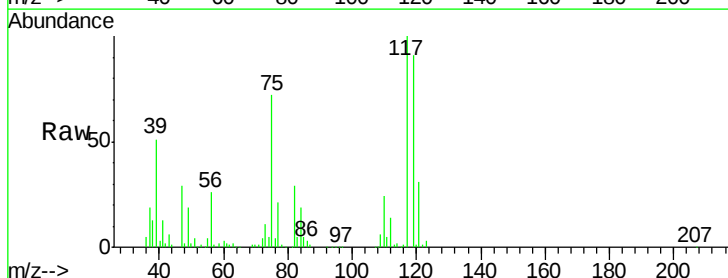
Manual Integrations
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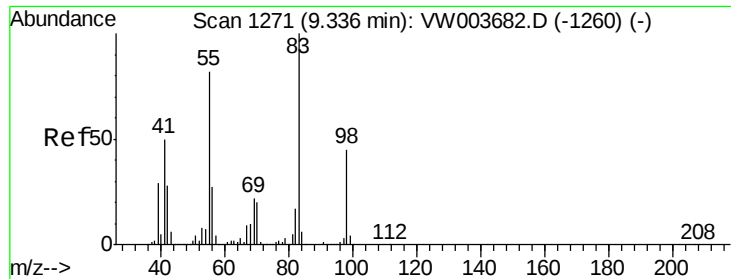
apatel
7/3/2018 10:16:40 AM



#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	74.1	111.1
121	31.4	25.0	37.4





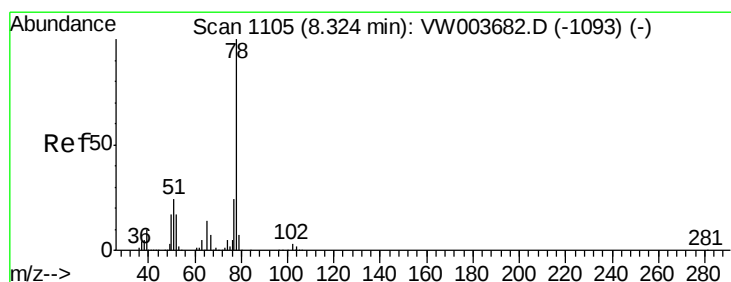
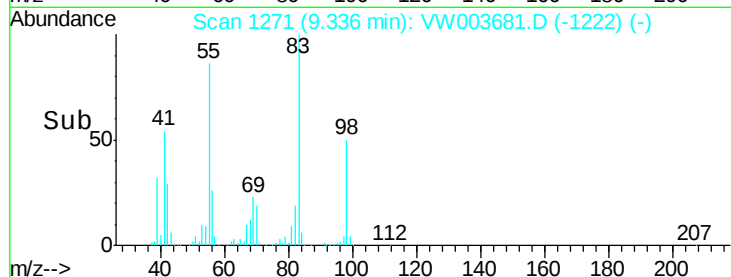
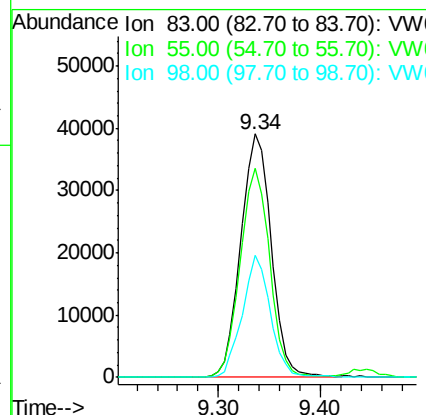
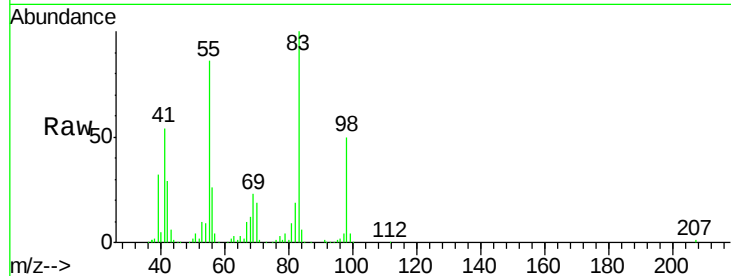
#39
Methvlcvclohexane
Concen: 18.54 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.7	65.3	97.9
98	49.9	36.3	54.5

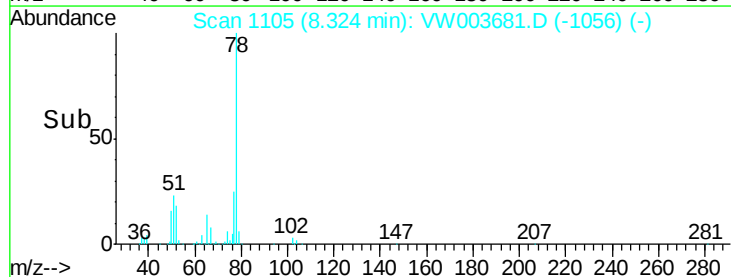
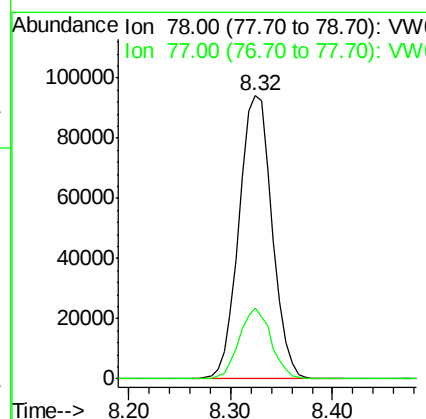
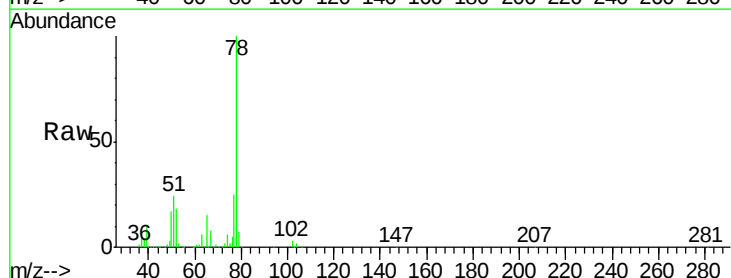
Manual Integrations
APPROVED

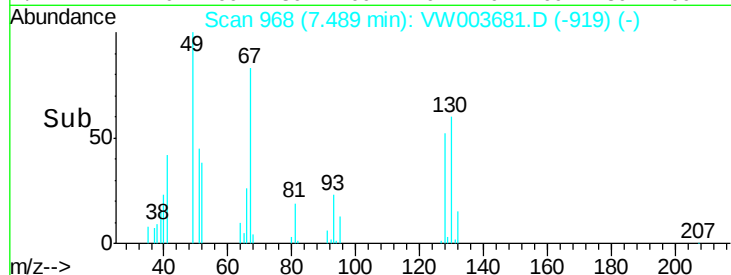
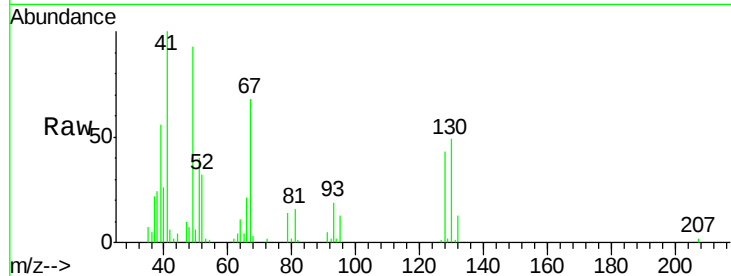
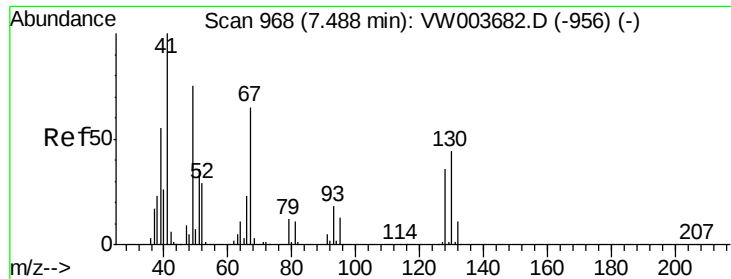
apatel
7/3/2018 10:16:40 AM



#40
Benzene
Concen: 20.30 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.0





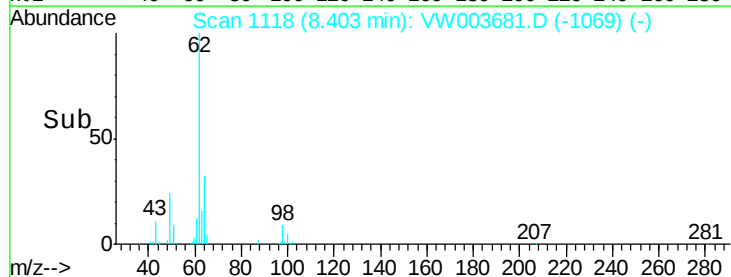
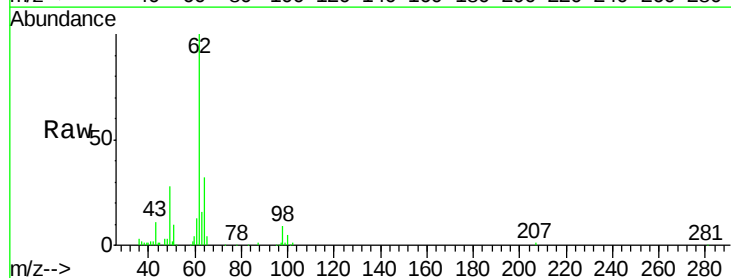
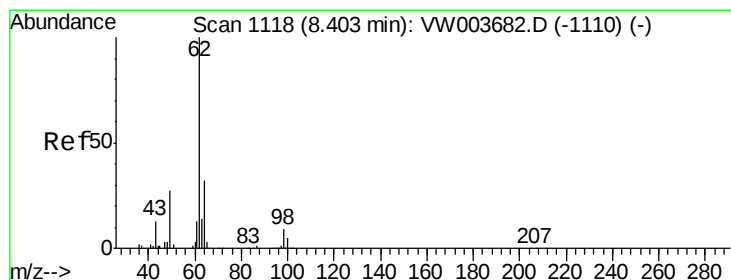
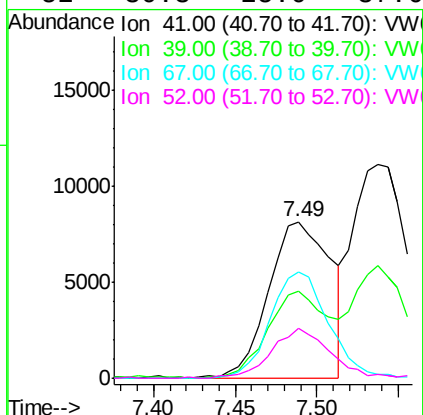
#41
Methacrylonitrile
Concen: 22.13 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		21511		
39	54.7	47.8	71.8		
67	63.4	53.9	80.9		
52	30.3	25.0	37.6		

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

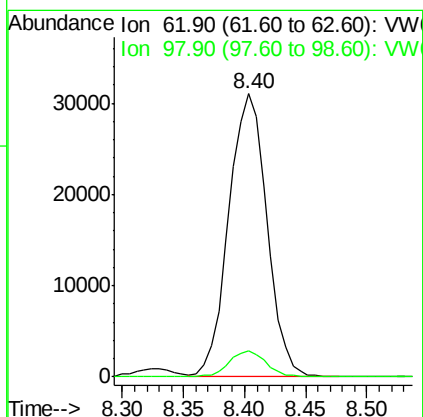
Manual Integrations
APPROVED

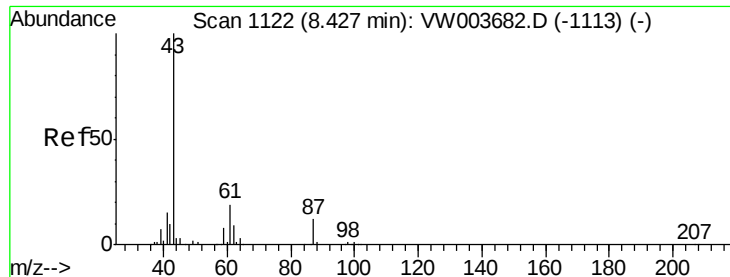
apatel
7/3/2018 10:16:40 AM



#42
1,2-Dichloroethane
Concen: 20.55 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67129		
98	8.8	0.0	17.2		





#43

Isopropyl Acetate

Concen: 21.21 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

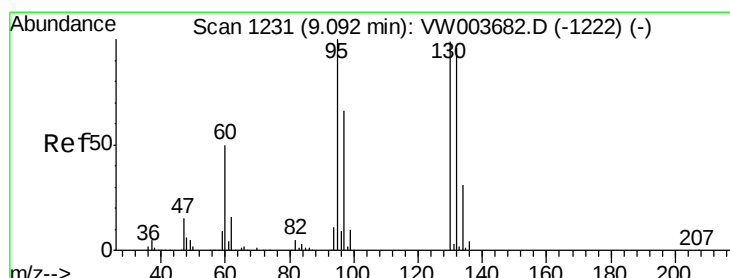
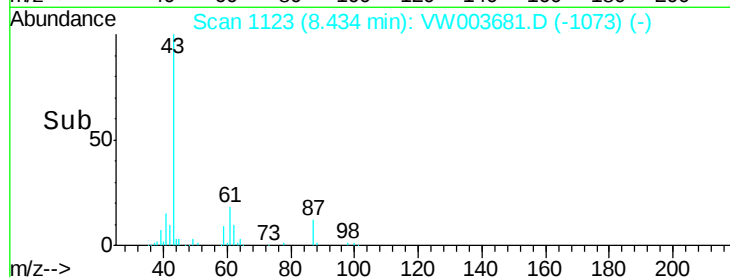
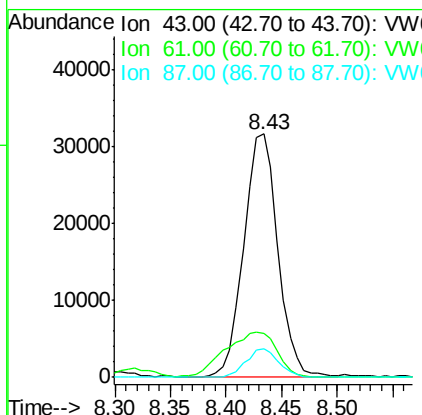
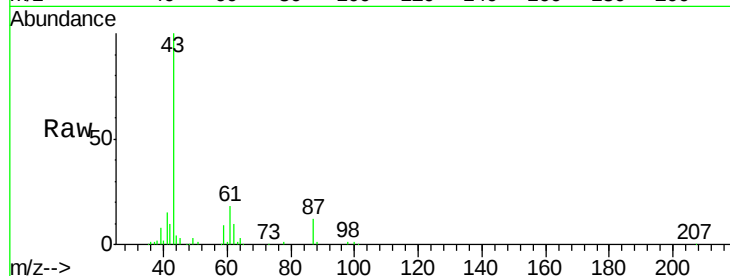
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	66823
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.6
87	11.4	9.8	14.6

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apatel
7/3/2018 10:16:40 AM



#44

Trichloroethene

Concen: 19.65 ug/l

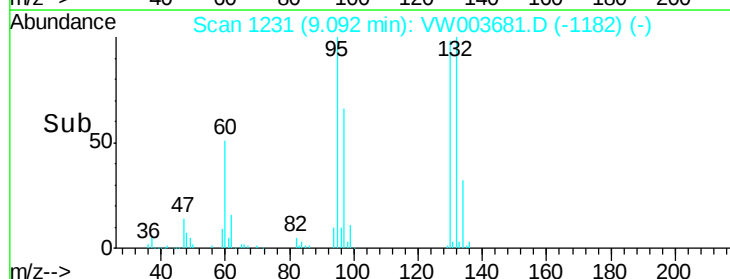
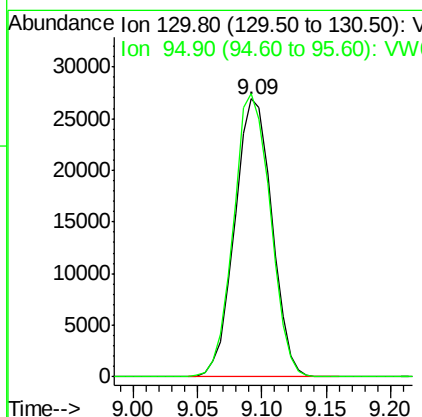
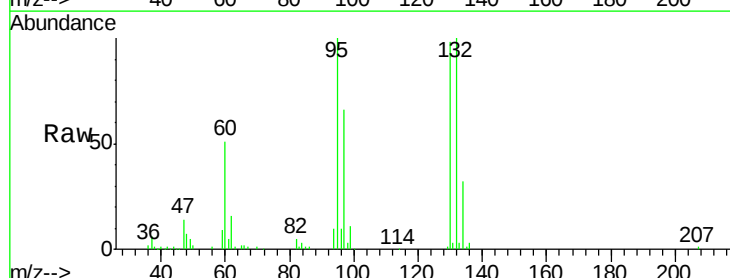
RT: 9.09 min Scan# 1231

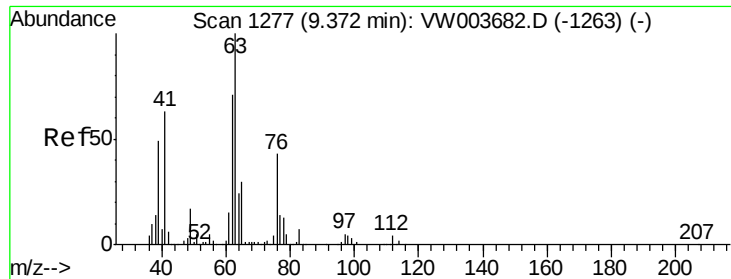
Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	130	Resp:	53877
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	202.6





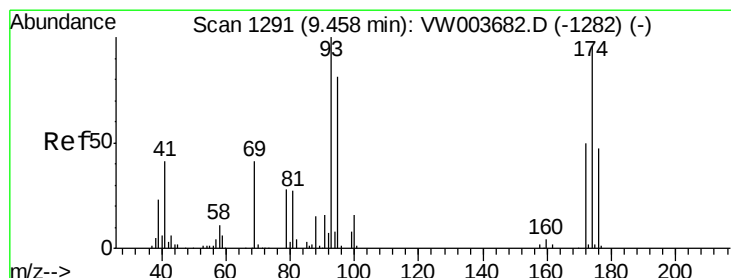
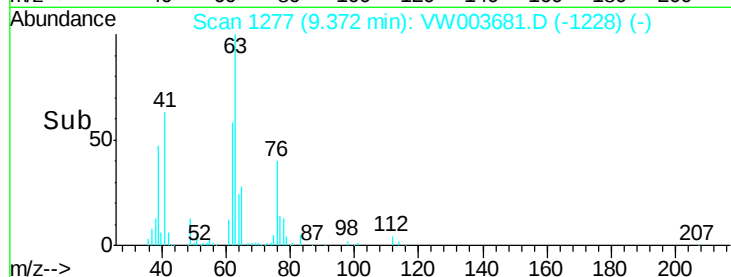
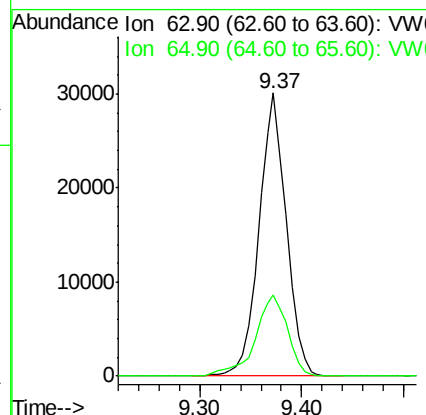
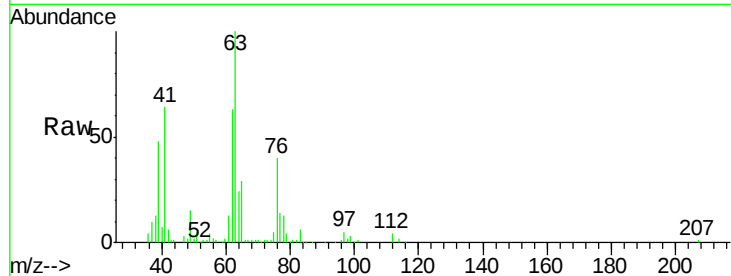
#45
 1,2-Dichloropropane
 Concen: 21.10 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	63	Resp	56054
Ion Ratio	100	Lower	Upper
63	100		
65	28.5	24.3	36.5

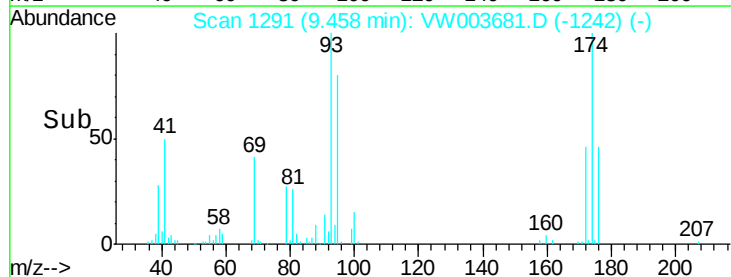
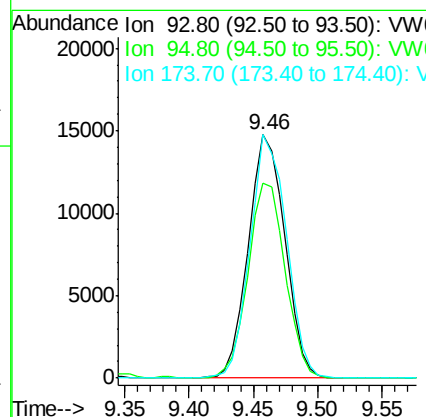
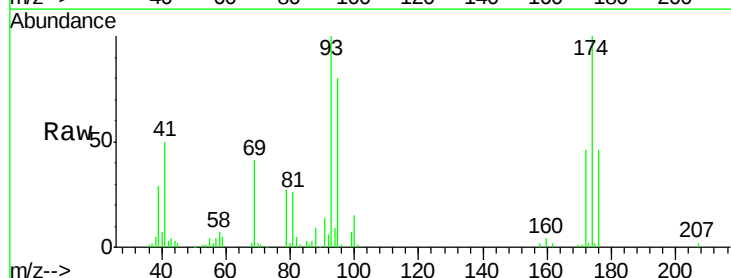
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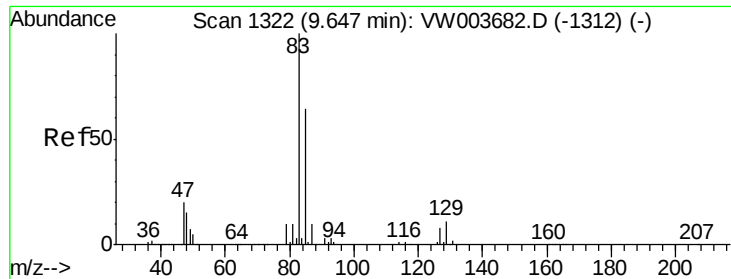
apatel
 7/3/2018 10:16:40 AM



#46
 Dibromomethane
 Concen: 21.19 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion	93	Resp	28938
Ion Ratio	100	Lower	Upper
93	100		
95	81.4	66.2	99.4
174	99.5	79.6	119.4





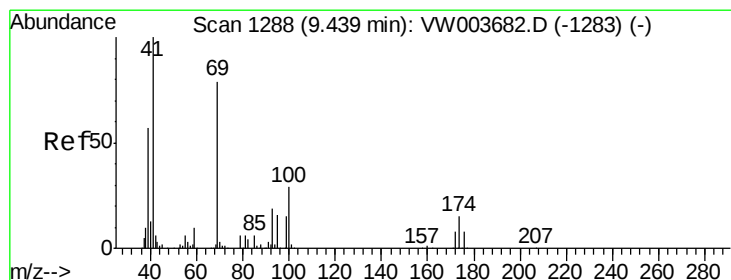
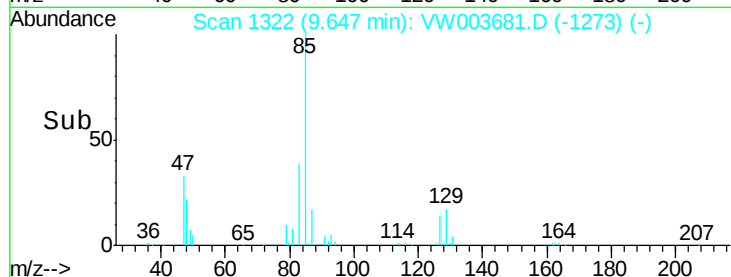
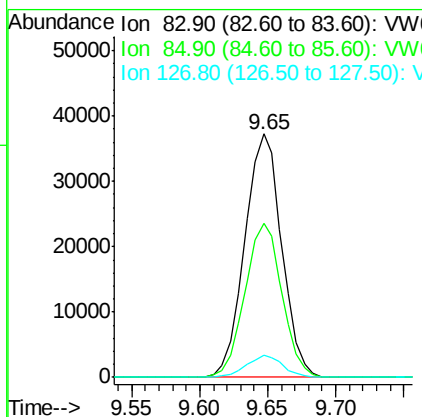
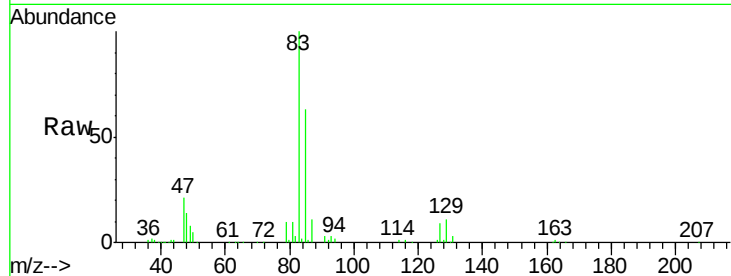
#47
Bromodichloromethane
Concen: 20.34 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	9.1	6.5	9.7

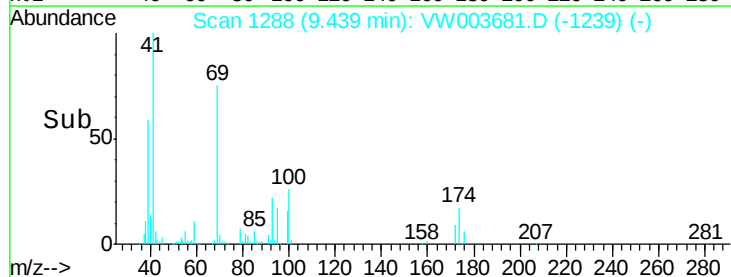
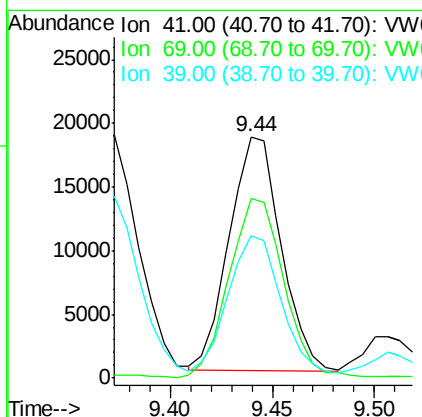
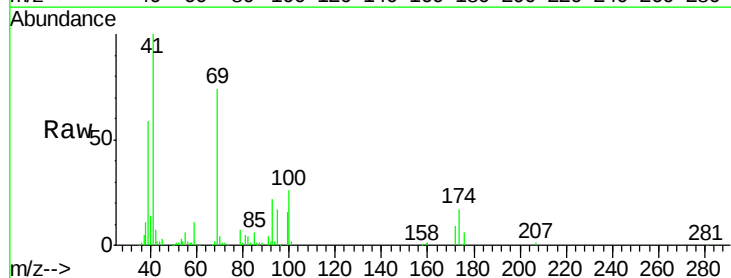
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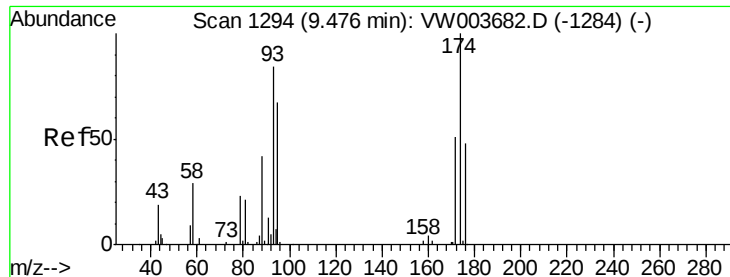
apatel
7/3/2018 10:16:40 AM



#48
Methyl methacrylate
Concen: 21.86 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.8	65.4	98.2
39	63.5	50.0	75.0





#49

1,4-Dioxane

Concen: 389.46 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

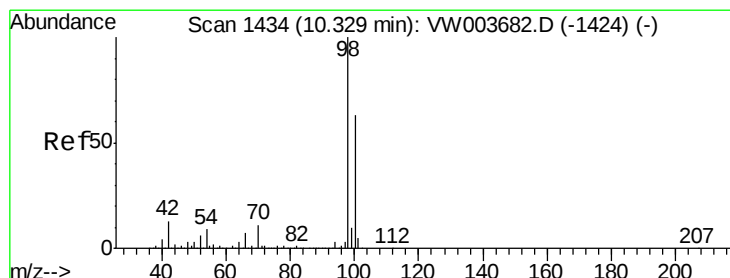
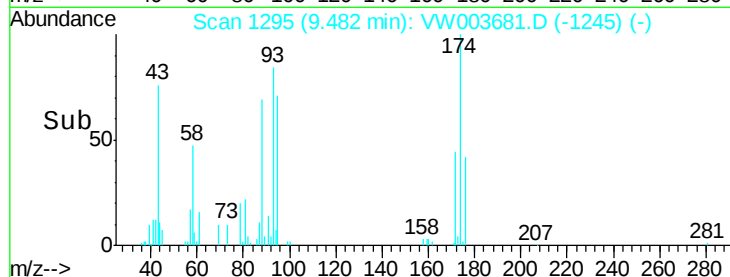
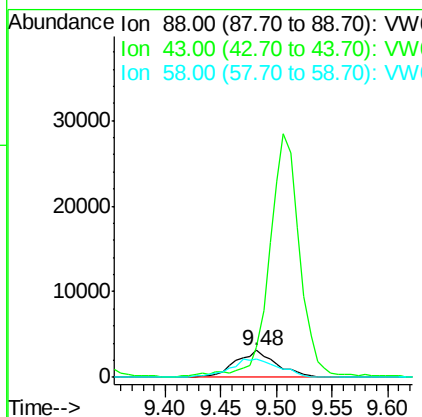
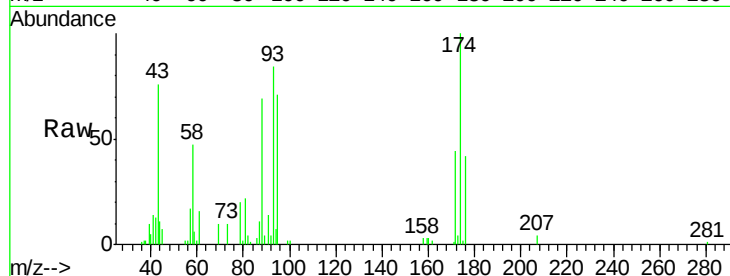
ClientSampleId :

VSTDIC020

Tot Ion	88	Resp	8048
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.1	61.8	92.6

Manual Integrations
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#50

Toluene-d8

Concen: 19.90 ug/l

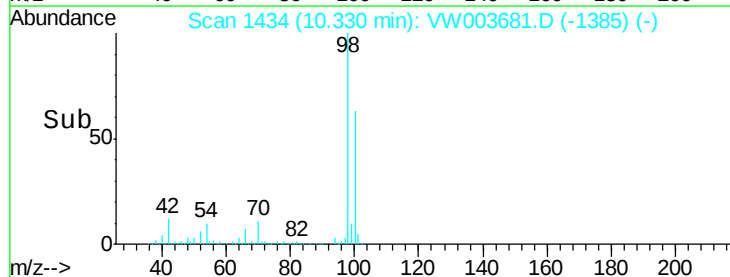
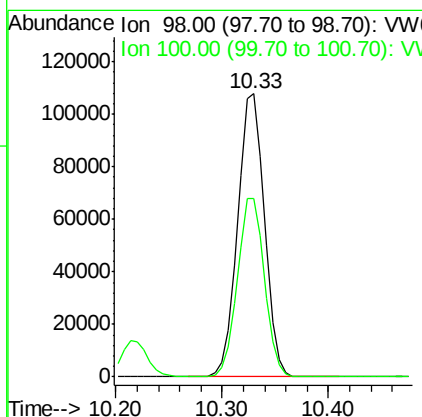
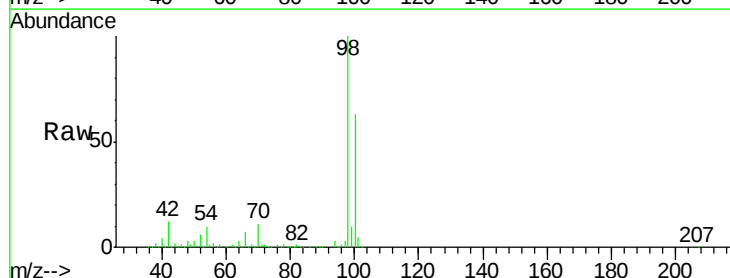
RT: 10.33 min Scan# 1434

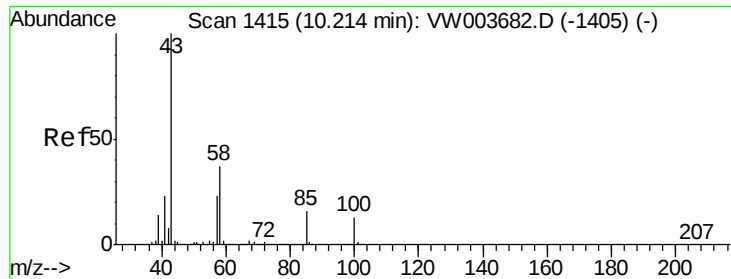
Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion	98	Resp	191271
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.8	76.2





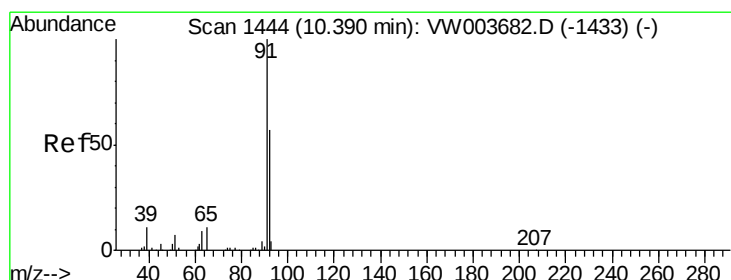
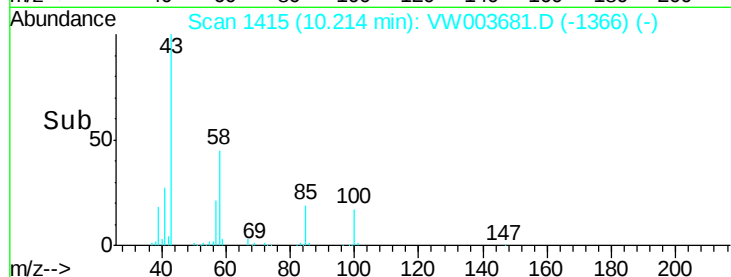
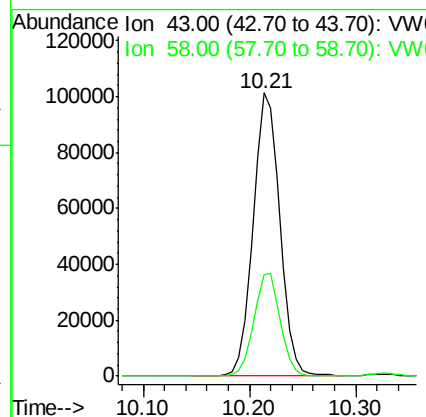
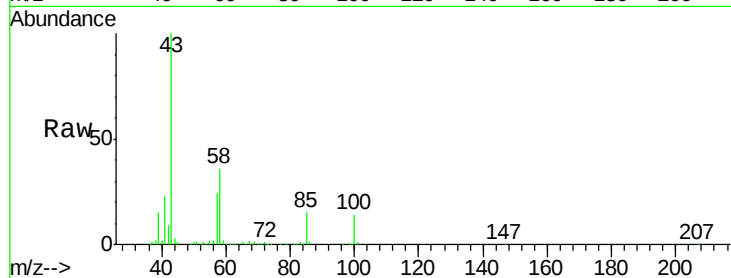
#51
4-Methyl-2-Pentanone
Concen: 110.51 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.6	44.4

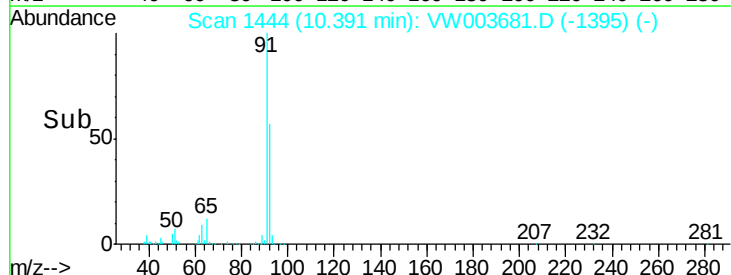
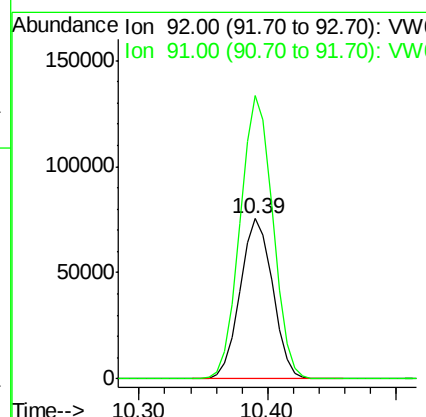
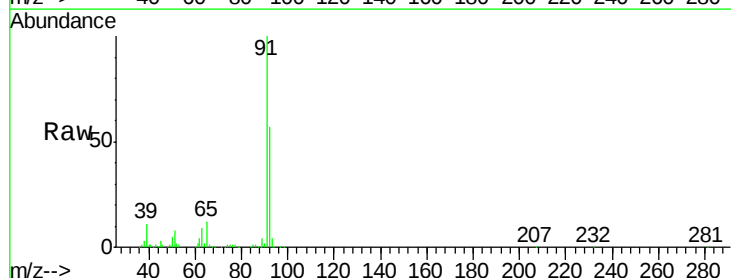
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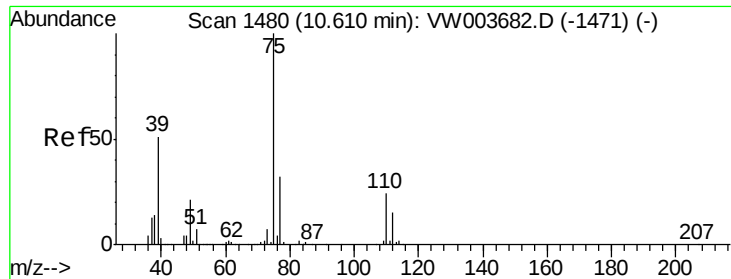
apatel
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#52
Toluene
Concen: 19.79 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.9	140.2	210.2





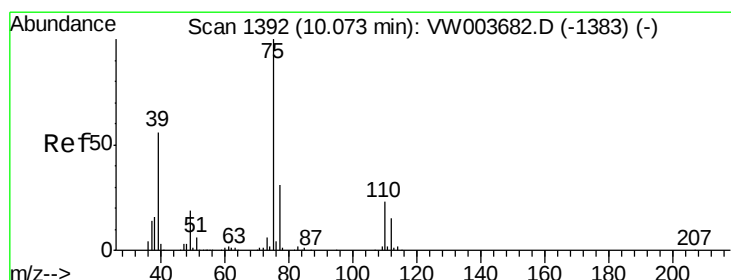
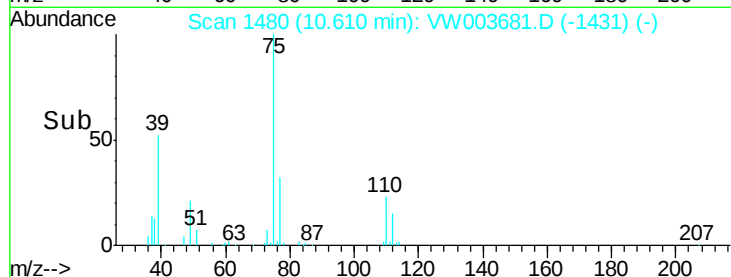
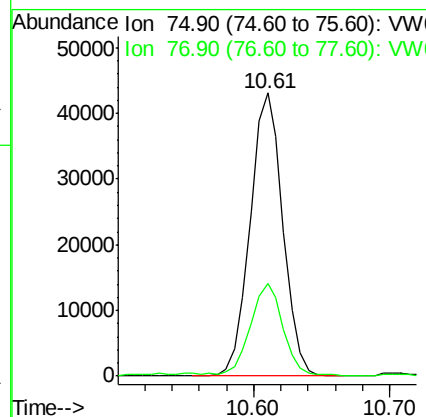
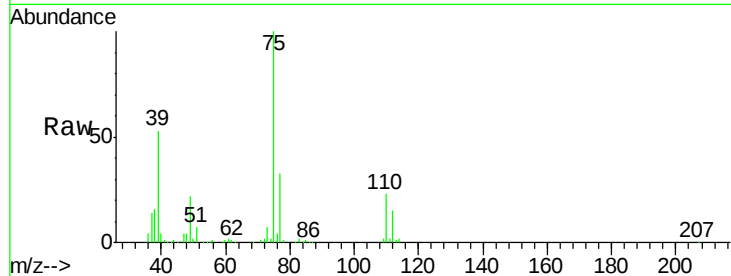
#53
t-1,3-Dichloropropene
Concen: 20.27 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	75	Resp	72267
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.5	38.3

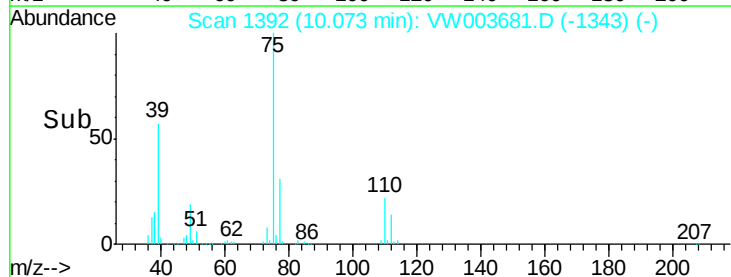
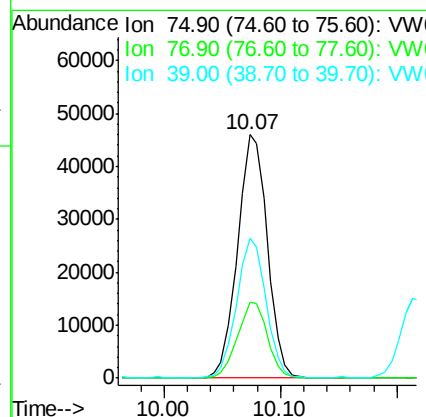
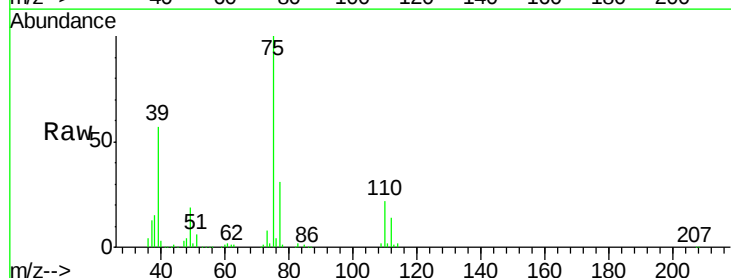
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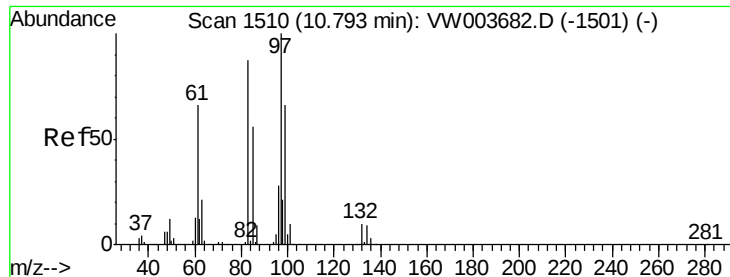
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.18 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	75	Resp	82024
Ion Ratio	Lower	Upper	
75	100		
77	31.1	24.9	37.3
39	57.1	44.6	67.0





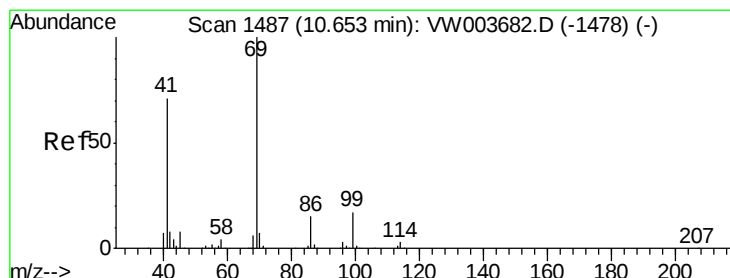
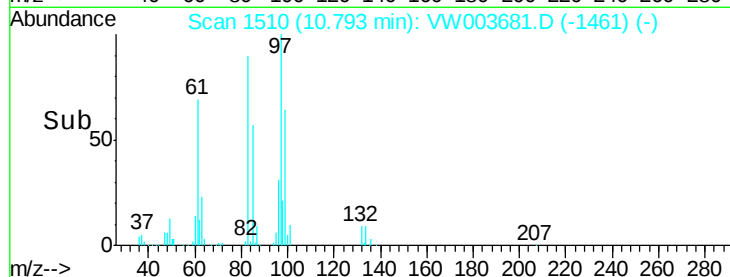
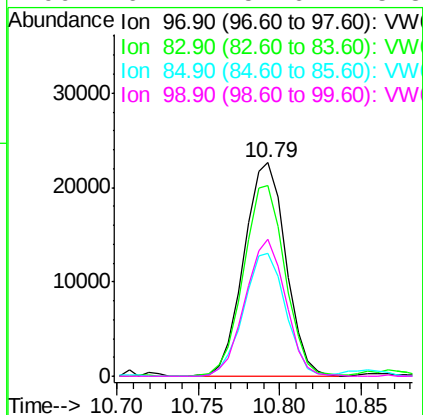
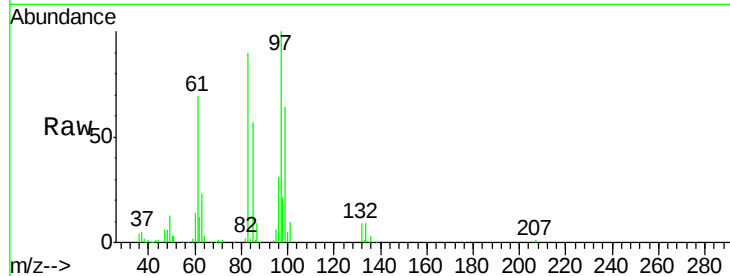
#55
 1,1,2-Trichloroethane
 Concen: 21.03 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	40460
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.5	104.3
85	57.5	44.7	67.1
99	64.1	52.6	78.8

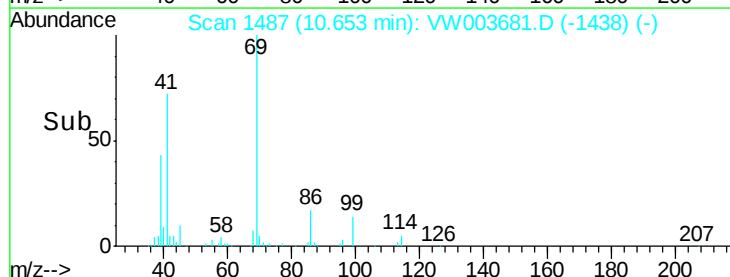
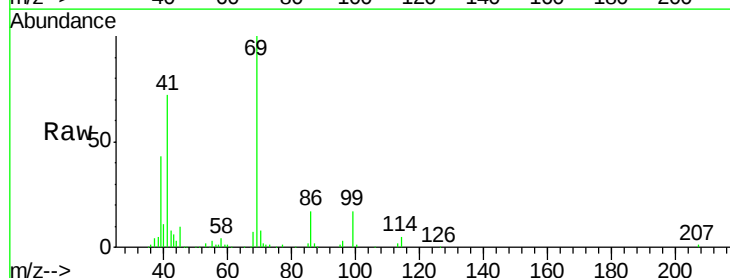
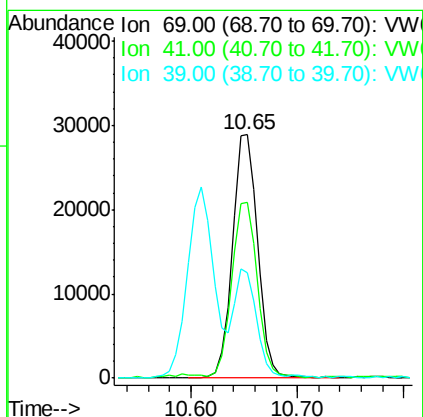
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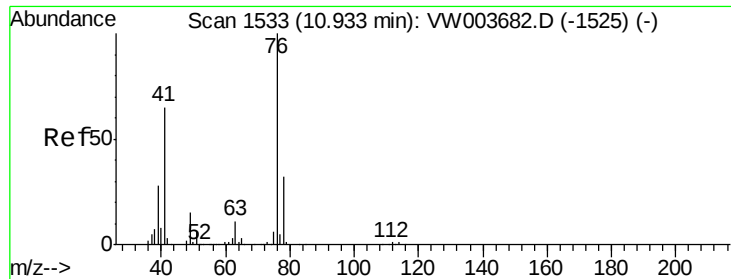
apatel
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#56
 Ethyl methacrylate
 Concen: 20.55 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion:	69	Resp:	48328
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.5	86.3
39	37.5	29.4	44.0





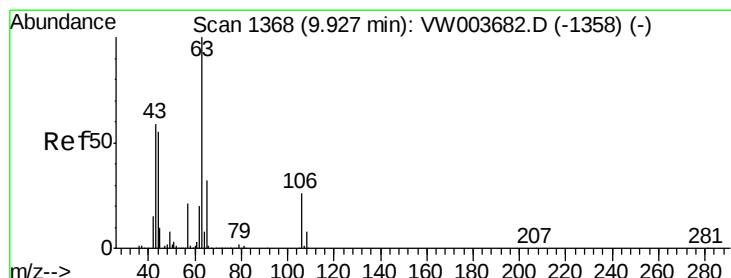
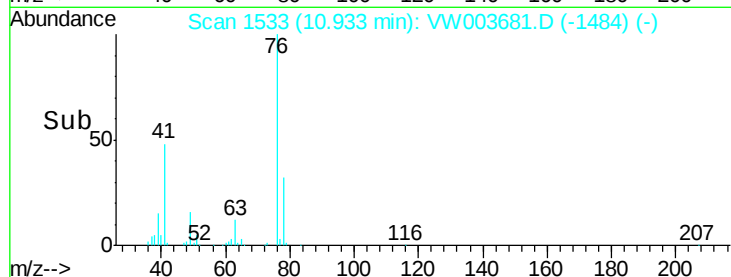
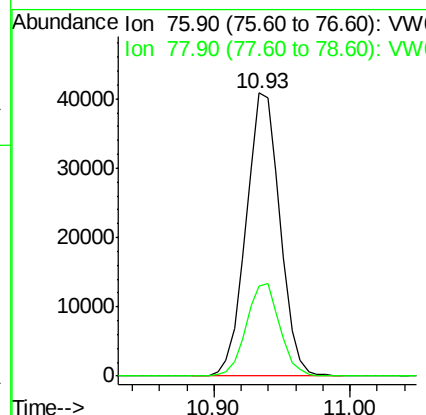
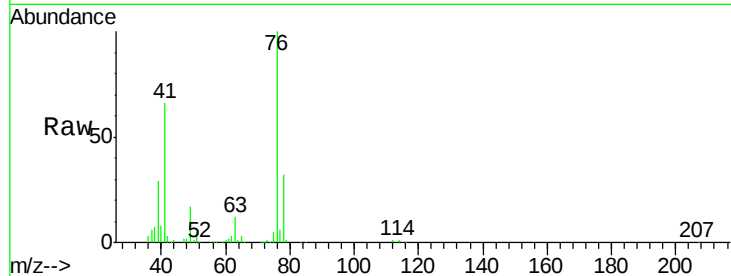
#57
 1,3-Dichloropropane
 Concen: 21.43 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 71245
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4

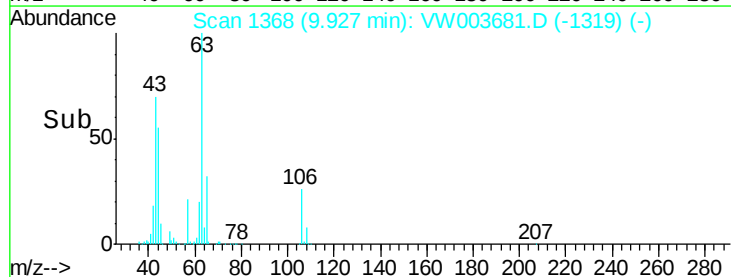
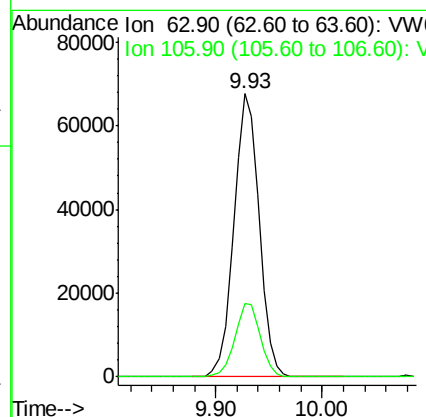
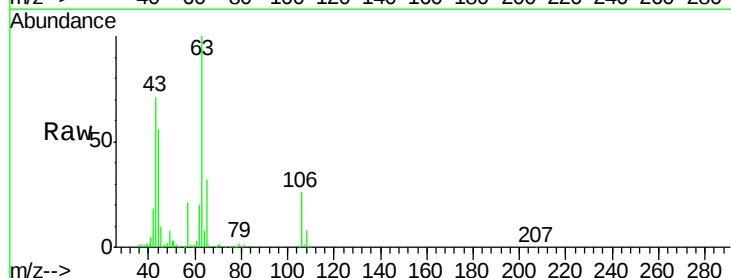
Manual Integrations
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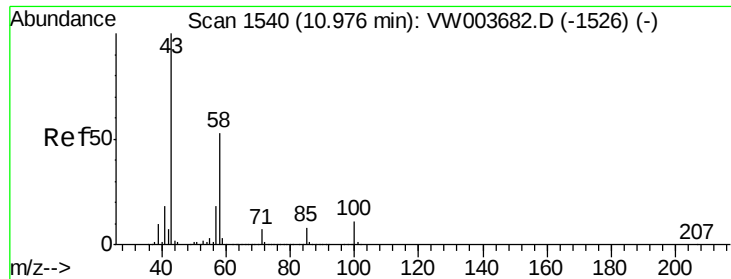
apatel
 7/3/2018 10:16:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.43 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion: 63 Resp: 112413
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.7 31.1





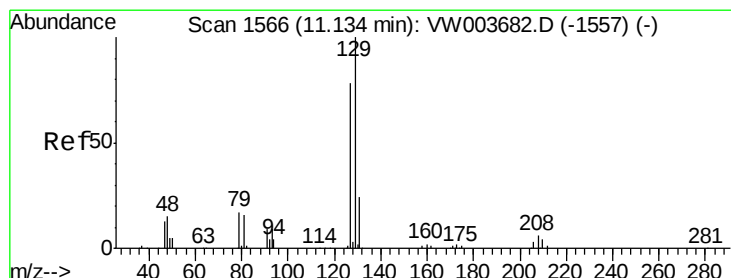
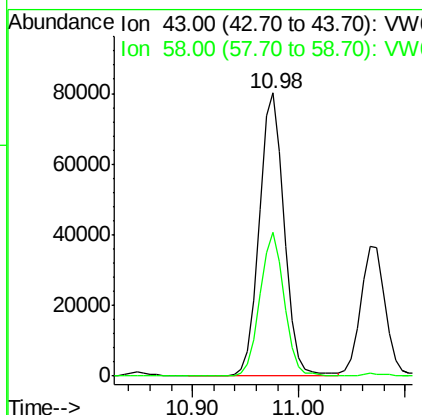
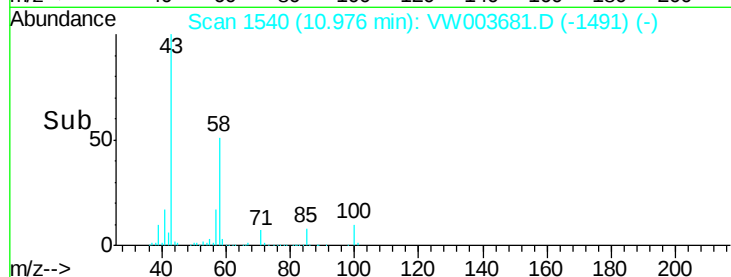
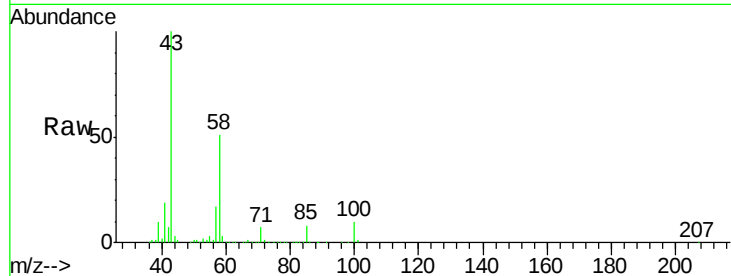
#59
2-Hexanone
Concen: 116.62 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 131926
Ion Ratio Lower Upper
43 100
58 49.5 25.9 77.6

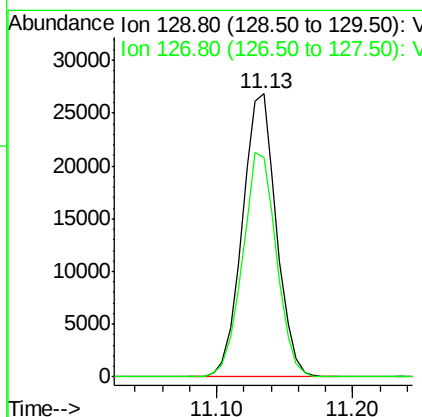
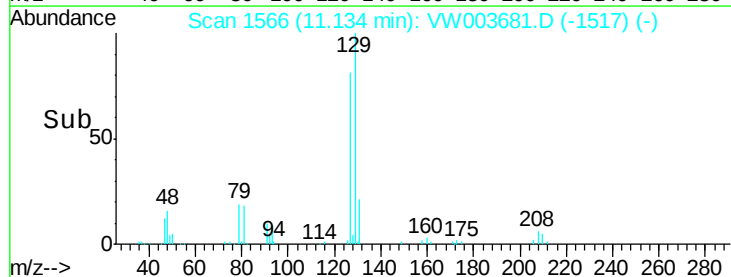
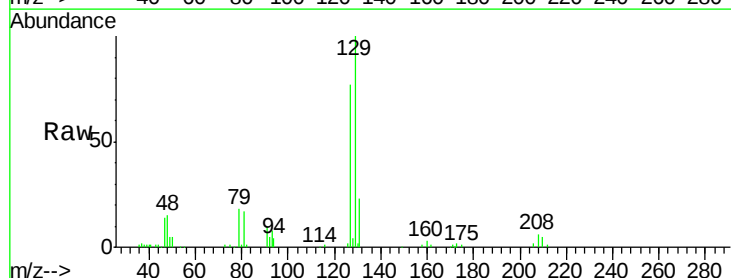
Manual Integrations
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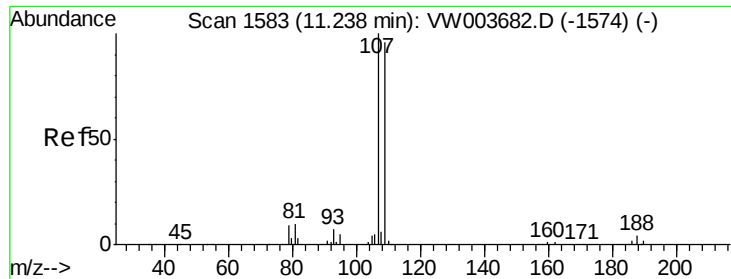
apatel
7/3/2018 10:16:40 AM



#60
Dibromochloromethane
Concen: 20.56 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion: 129 Resp: 46748
Ion Ratio Lower Upper
129 100
127 79.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.91 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 38055

Ion Ratio Lower Upper

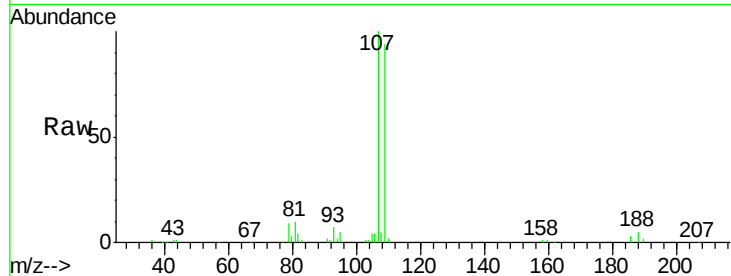
107 100

109 95.5 75.6 113.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

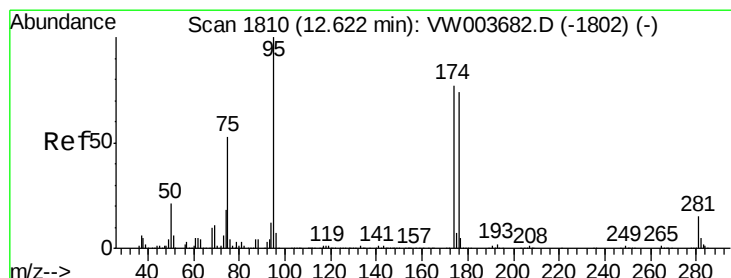
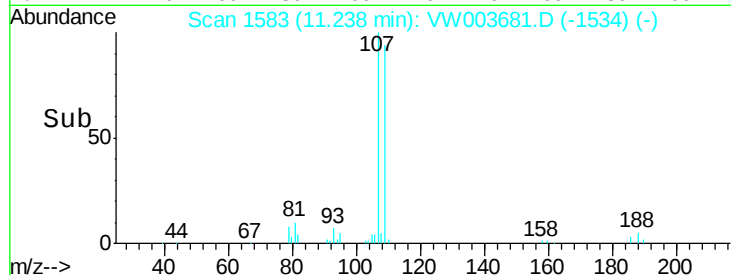
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 19.82 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

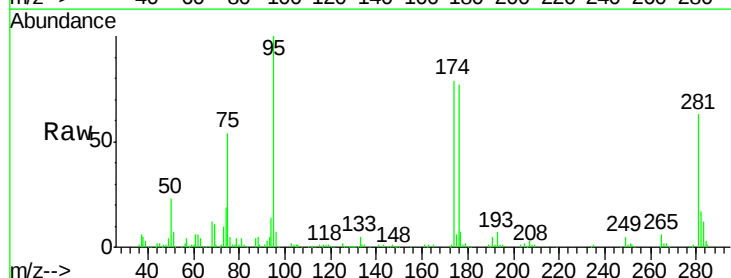
Tgt Ion: 95 Resp: 67711

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.2

176 79.7 0.0 155.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

50000

40000

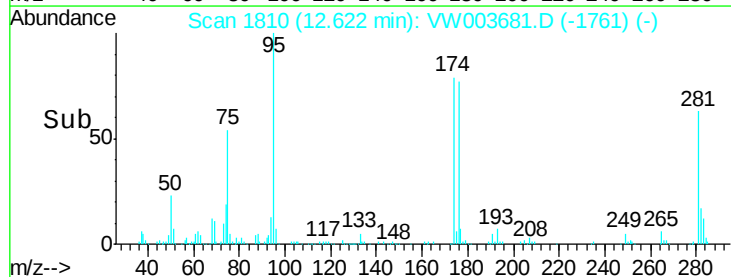
30000

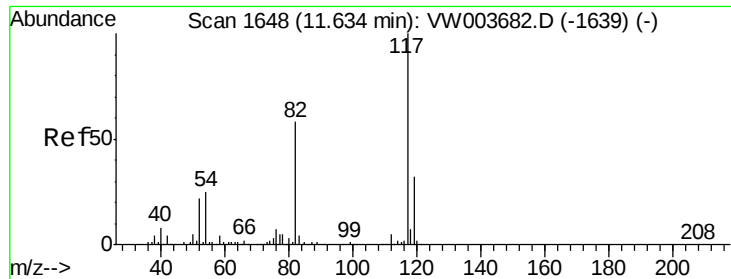
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





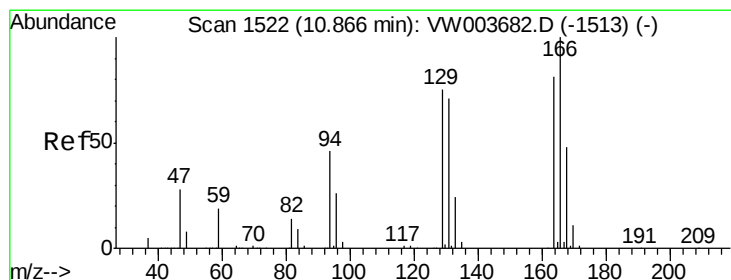
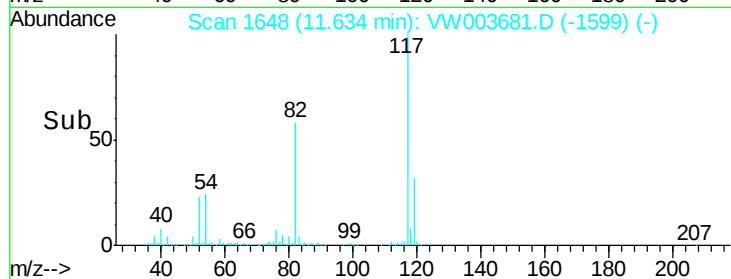
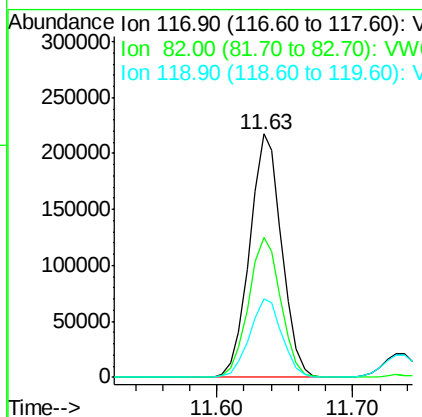
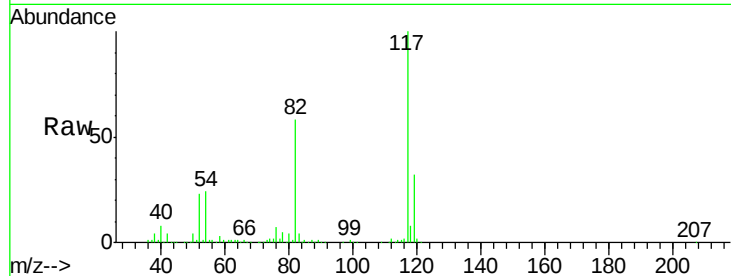
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	357833		
82	57.6	46.0	69.0	
119	32.4	25.4	38.0	

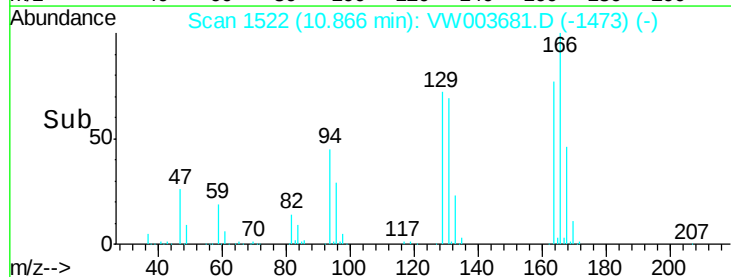
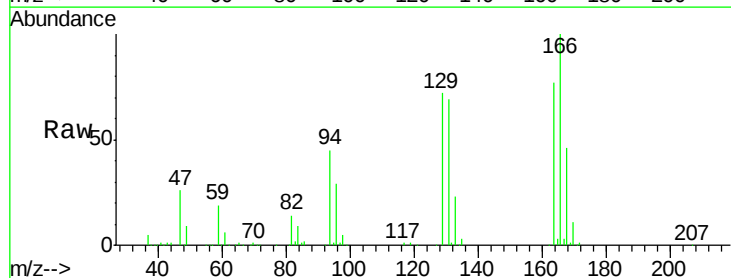
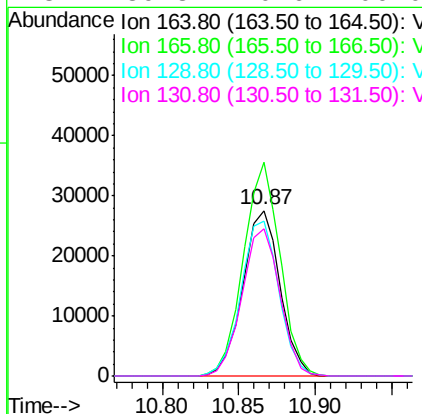
Manual Integrations
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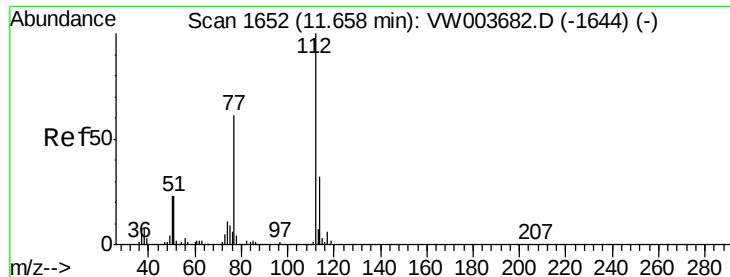
apatel
7/3/2018 10:16:40 AM



#64
Tetrachloroethene
Concen: 19.34 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46674		
166	129.0	99.0	148.4	
129	93.4	73.8	110.6	
131	89.3	70.6	106.0	





#65

Chlorobenzene

Concen: 19.81 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 148913

Ion Ratio Lower Upper

112 100

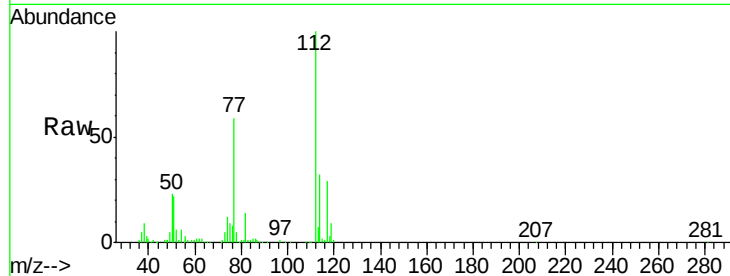
114 31.9 25.8 38.8

Manual Integrations

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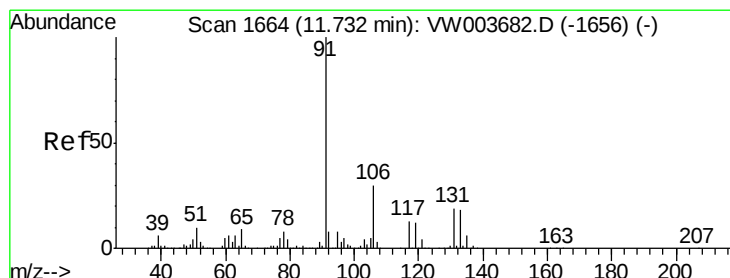
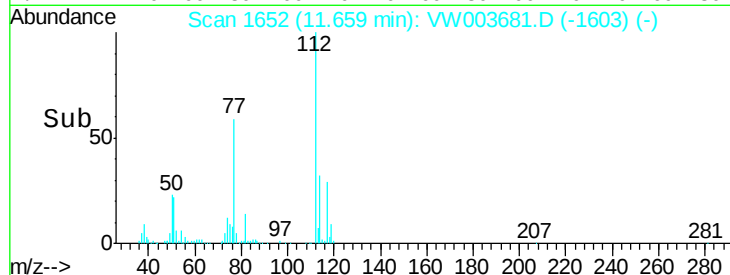
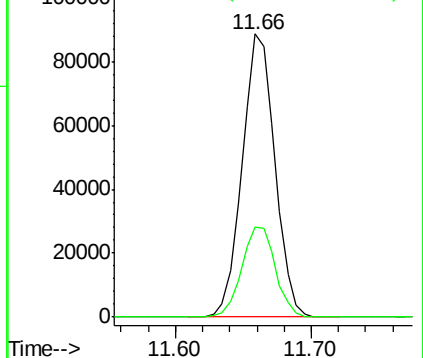
apatel

7/3/2018 10:16:40 AM



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: 20.05 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

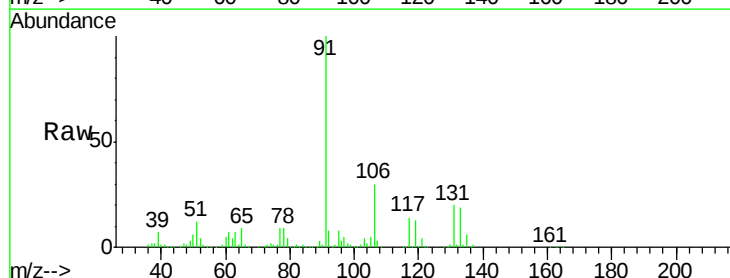
Tgt Ion:131 Resp: 52885

Ion Ratio Lower Upper

131 100

133 94.2 47.6 142.8

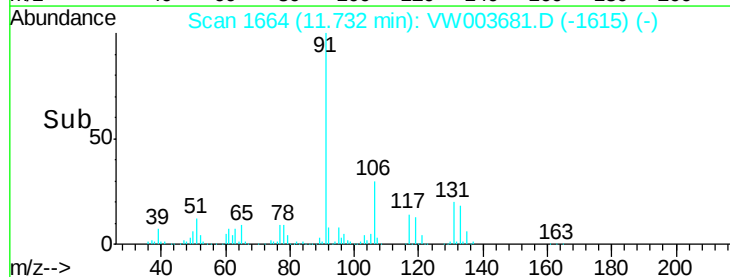
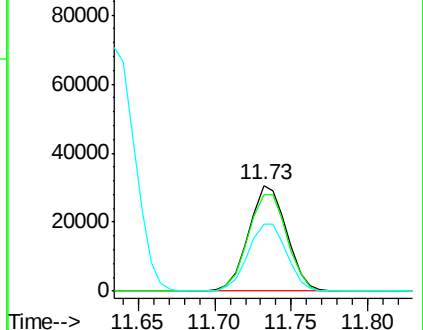
119 65.2 31.9 95.9

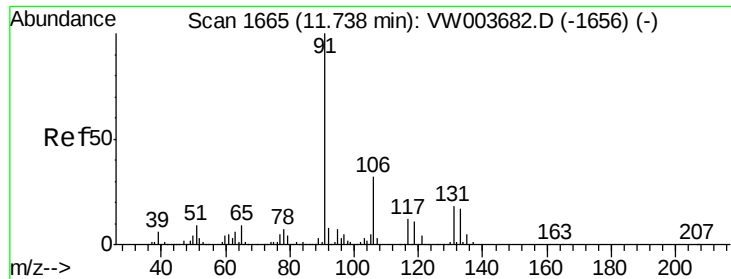


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





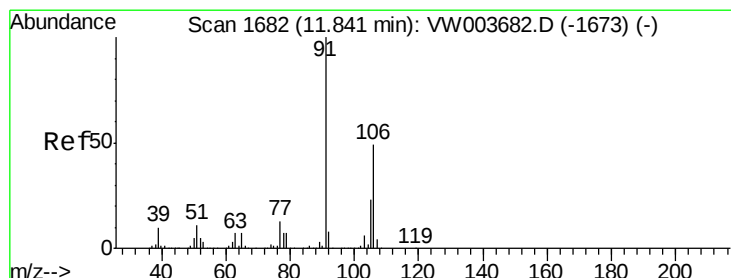
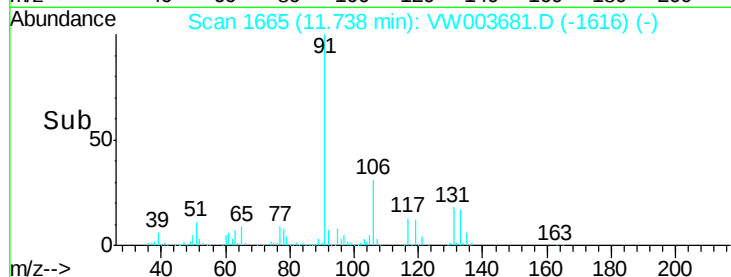
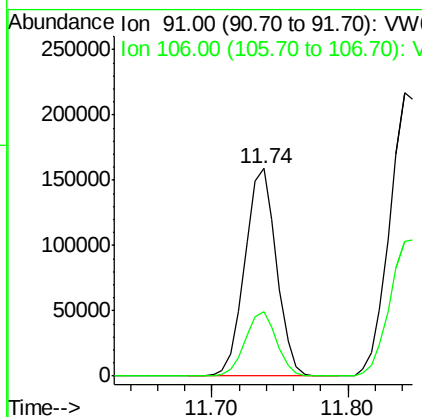
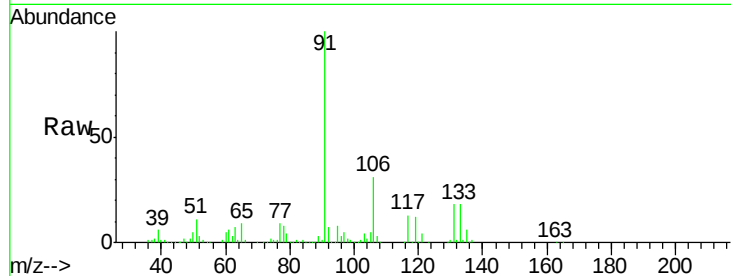
#67
Ethyl Benzene
Concen: 19.39 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 258655
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

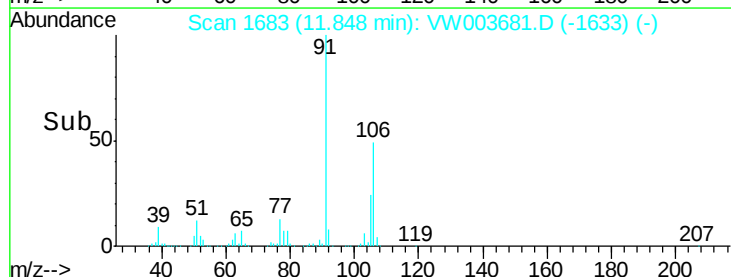
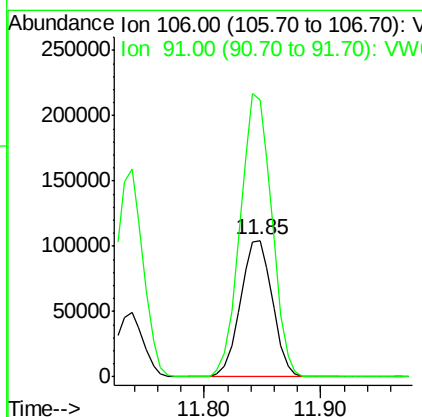
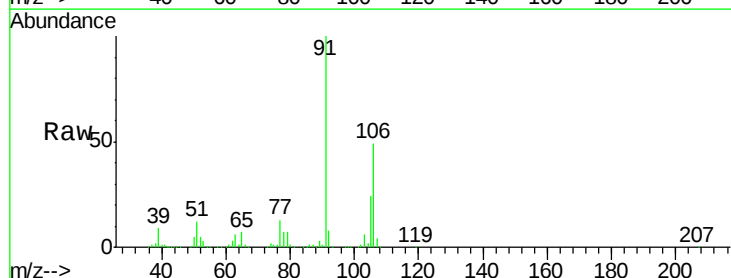
Manual Integrations
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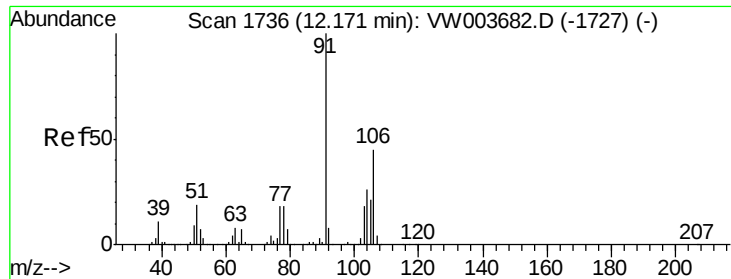
apatel
7/3/2018 10:16:40 AM



#68
m/p-Xylenes
Concen: 39.35 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion: 106 Resp: 199491
Ion Ratio Lower Upper
106 100
91 205.3 163.7 245.5





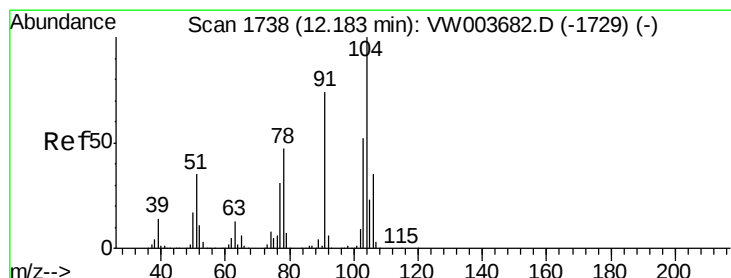
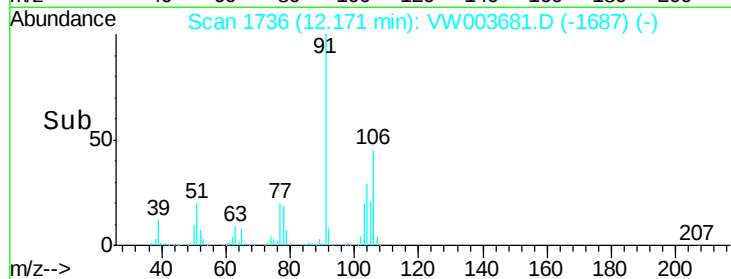
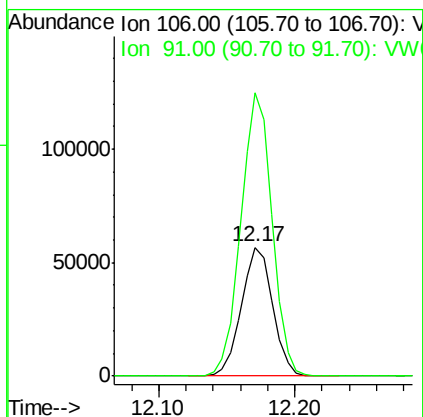
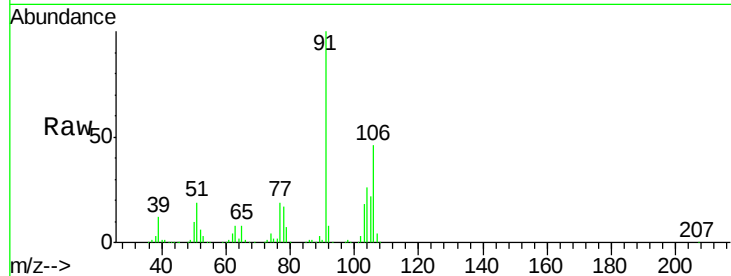
#69
o-Xylene
Concen: 19.47 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 91172
Ion Ratio Lower Upper
106 100
91 218.9 109.3 327.8

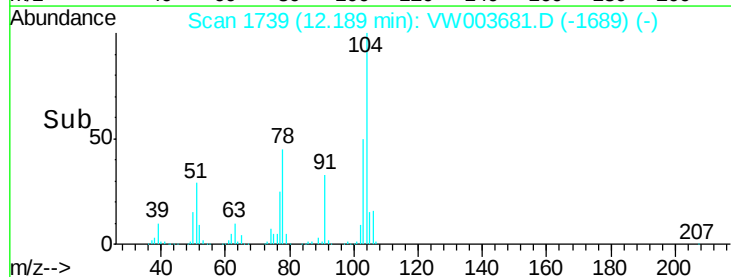
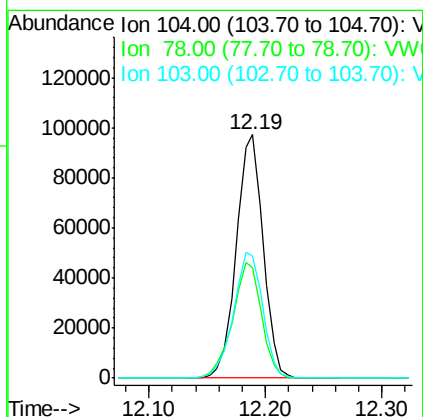
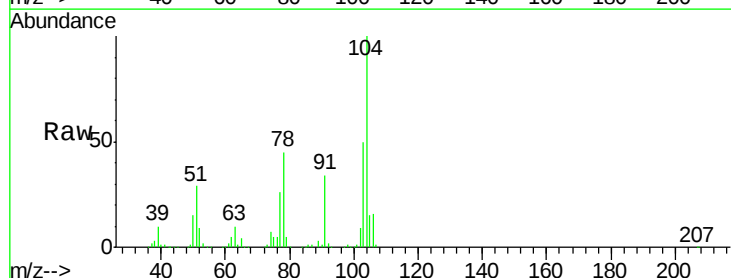
Manual Integrations
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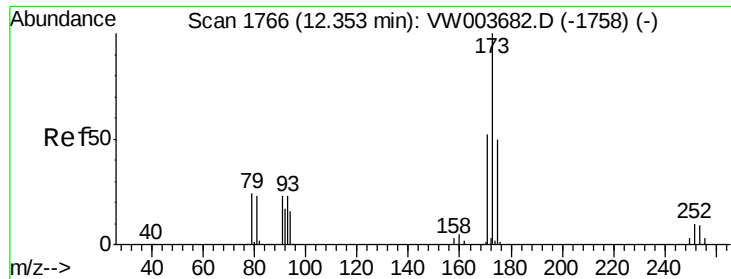
apatel
7/3/2018 10:16:40 AM



#70
Styrene
Concen: 20.00 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion:104 Resp: 156689
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.4
103 56.0 44.4 66.6





#71

Bromoform

Concen: 20.17 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 27770

Ion Ratio Lower Upper

173 100

175 50.1 24.5 73.5

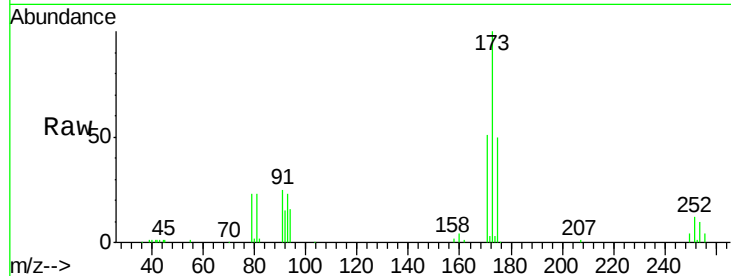
254 0.0 0.2 0.2#

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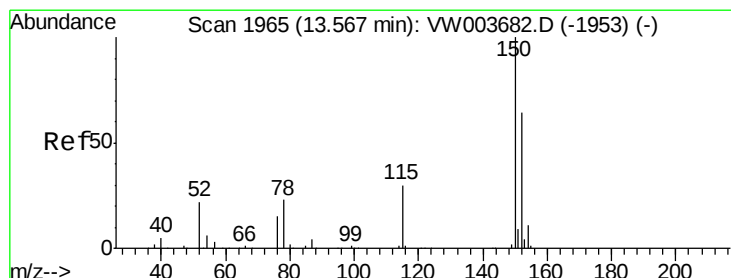
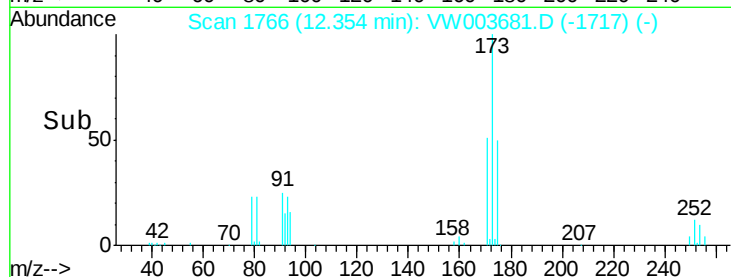
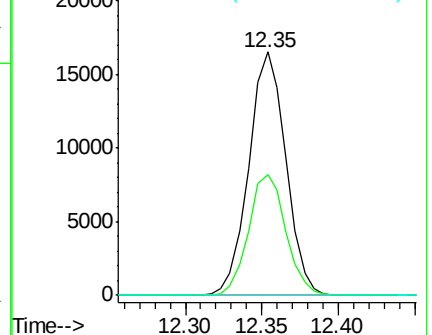
7/3/2018 10:16:40 AM



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: VW003681.D

Acq: 02 Jul 2018 17:24

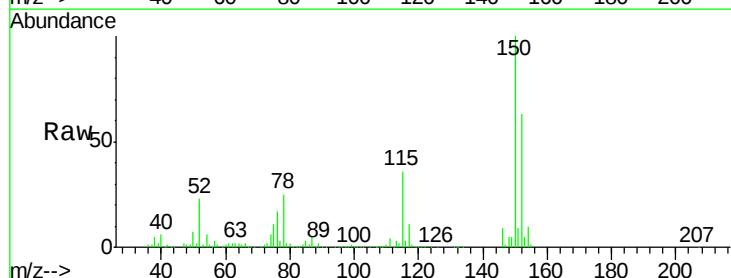
Tgt Ion:152 Resp: 191906

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

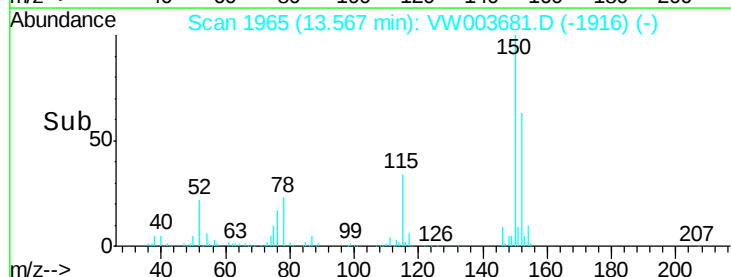
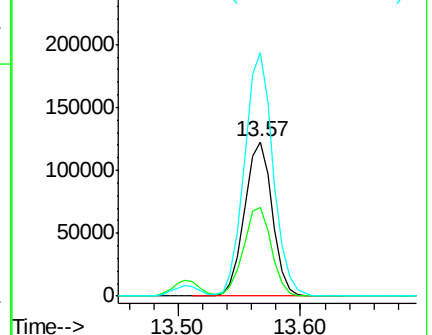
150 163.5 0.0 352.0

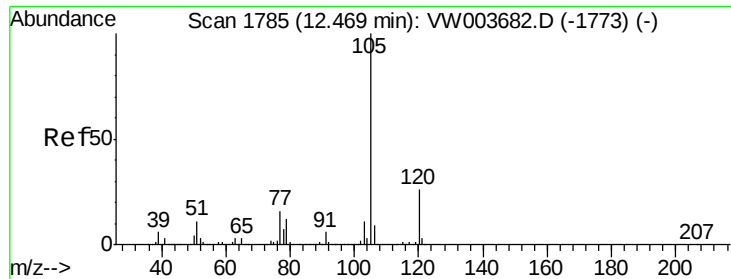


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.96 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 254079

Ion Ratio Lower Upper

105 100

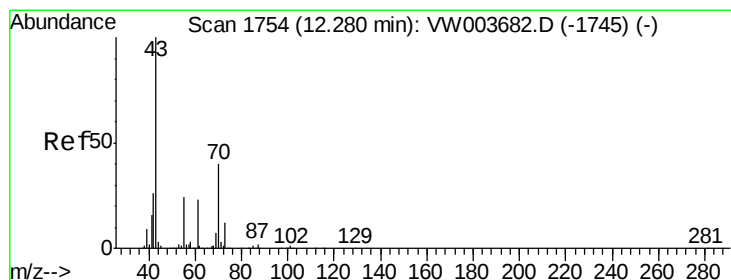
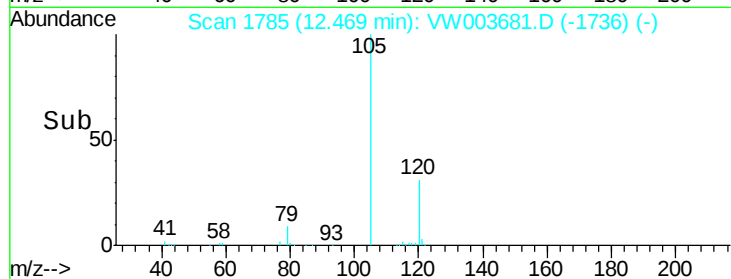
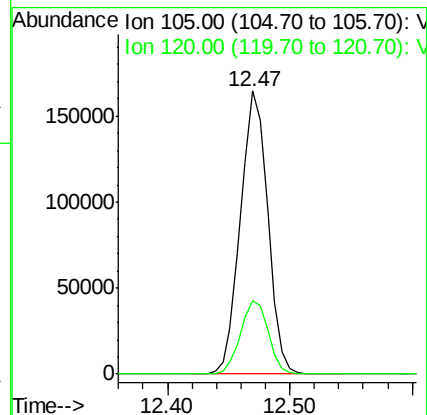
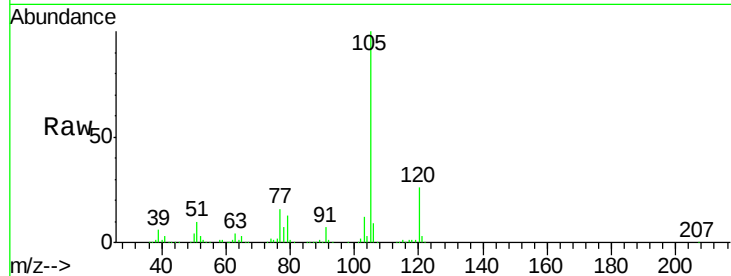
120 26.3 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.54 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion: 43 Resp: 64136

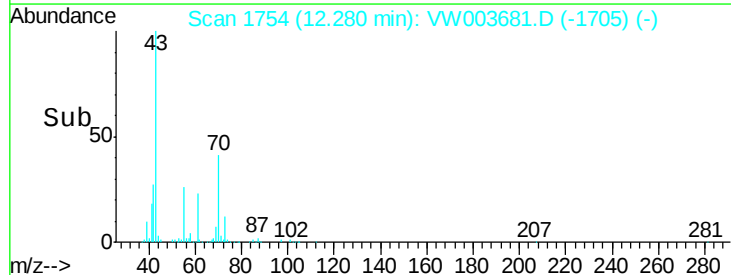
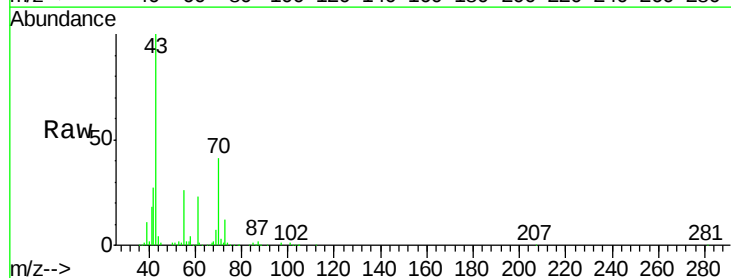
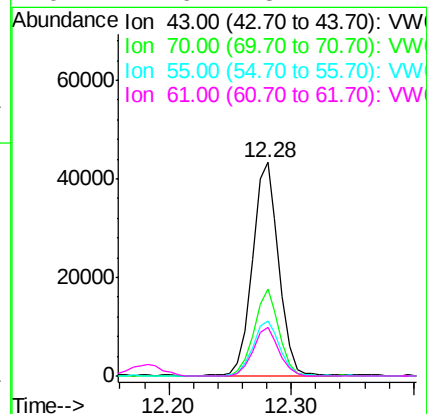
Ion Ratio Lower Upper

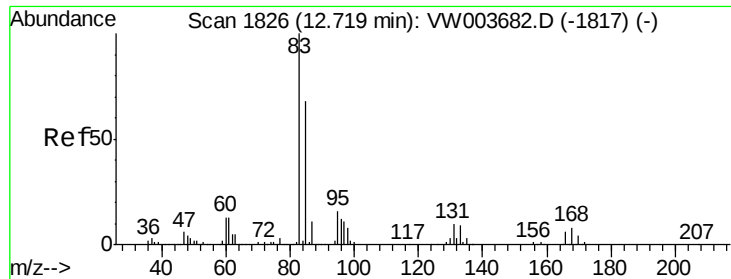
43 100

70 38.8 31.3 46.9

55 26.8 20.1 30.1

61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.32 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

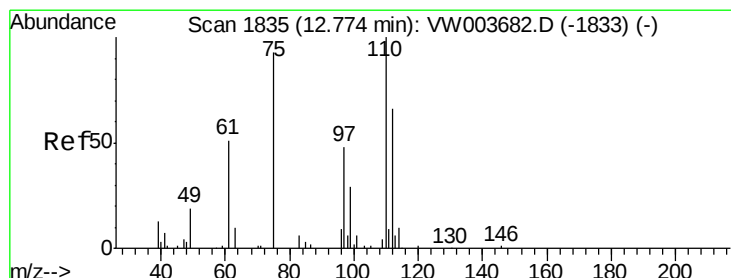
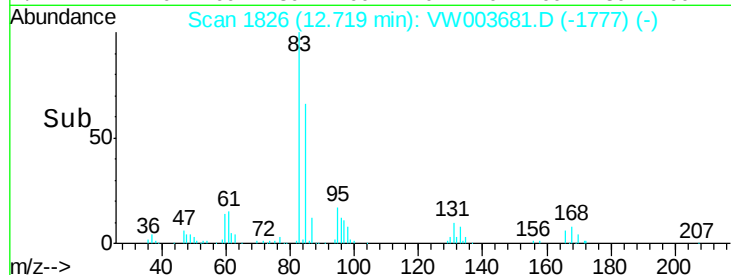
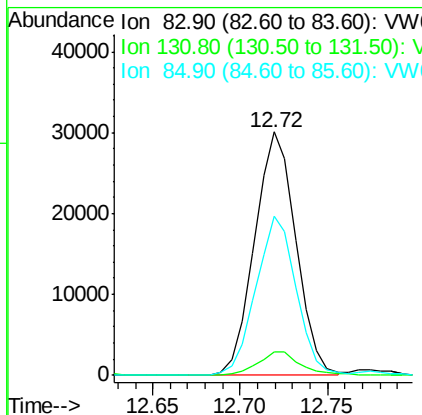
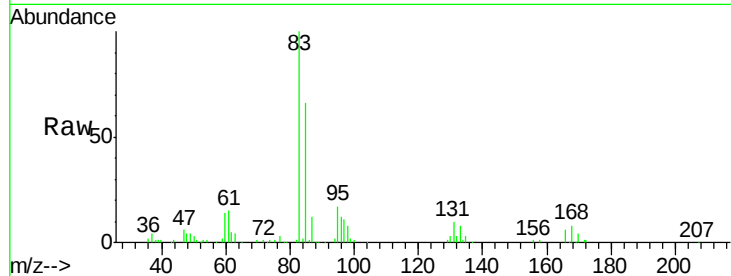
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	49337
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	63.8	31.9	95.9

Manual Integrations
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apatel
7/3/2018 10:16:40 AM



#76

1,2,3-Trichloropropane

Concen: 19.86 ug/l m

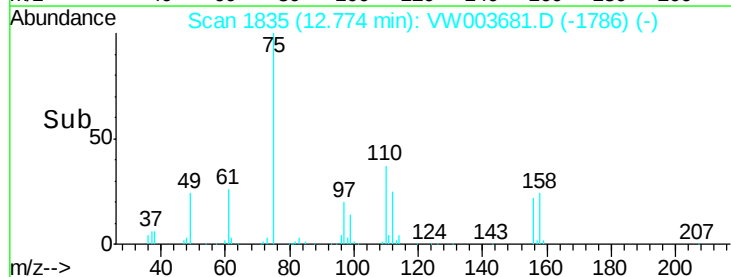
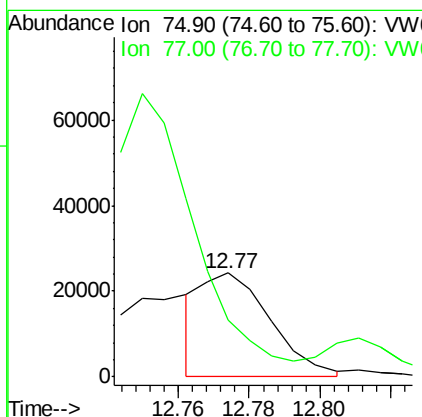
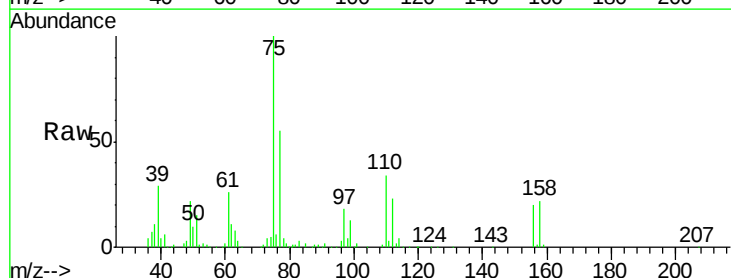
RT: 12.77 min Scan# 1835

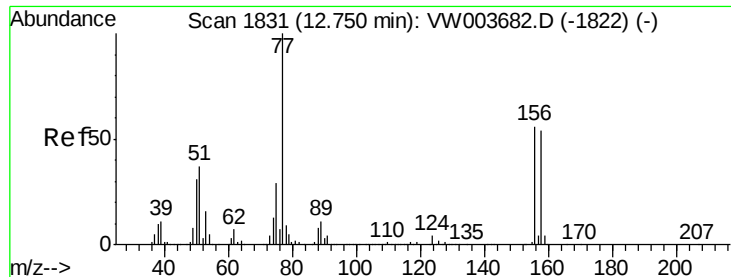
Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	75	Resp:	33004
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.54 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 61251

Ion Ratio Lower Upper

156 100

77 194.1 95.8 287.4

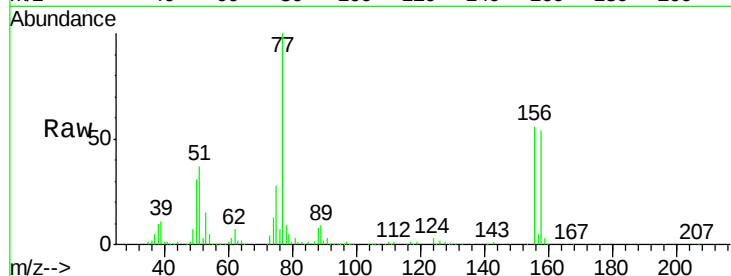
158 97.9 48.2 144.6

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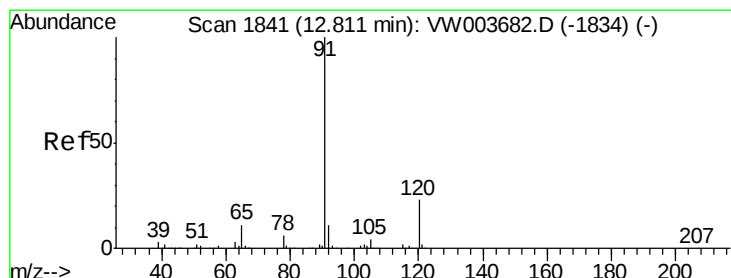
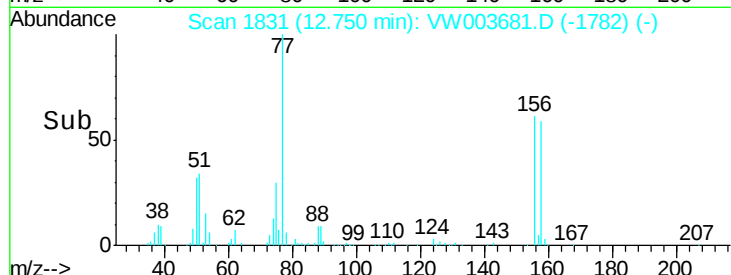
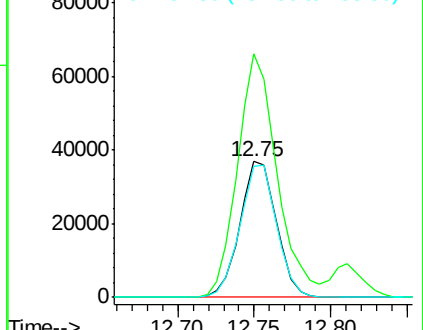
7/3/2018 10:16:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.30 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003681.D

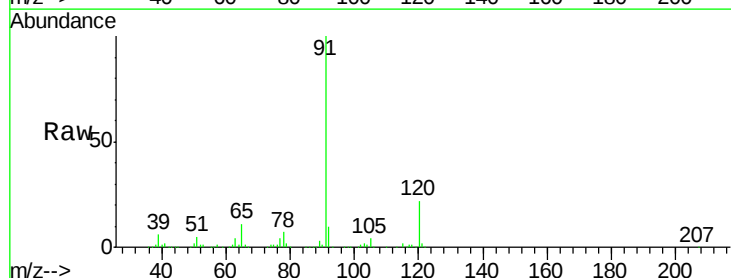
Acq: 02 Jul 2018 17:24

Tgt Ion: 91 Resp: 317566

Ion Ratio Lower Upper

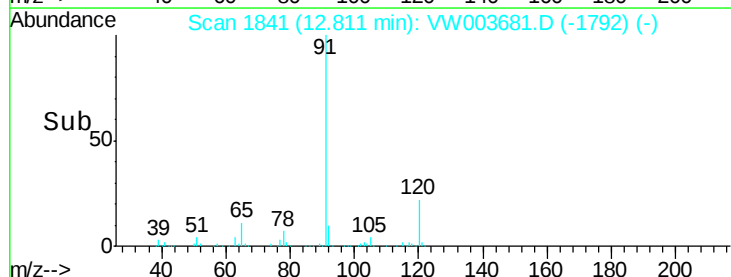
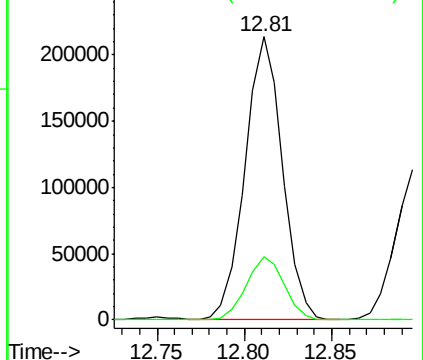
91 100

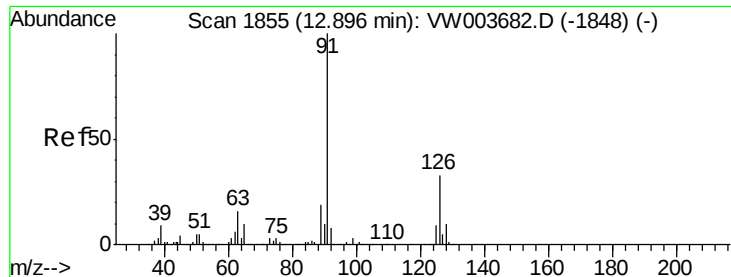
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.30 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 179529

Ion Ratio Lower Upper

91 100

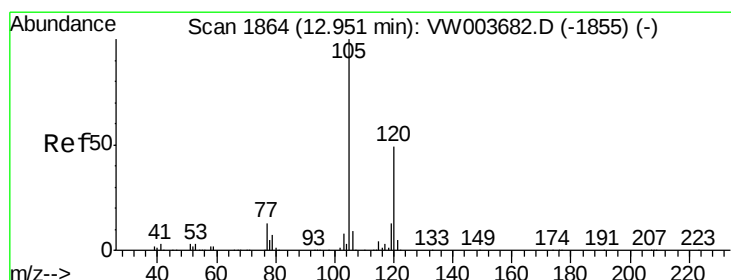
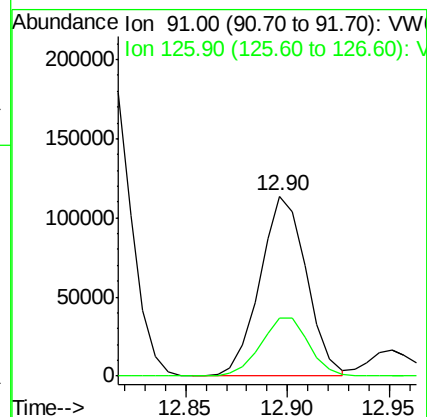
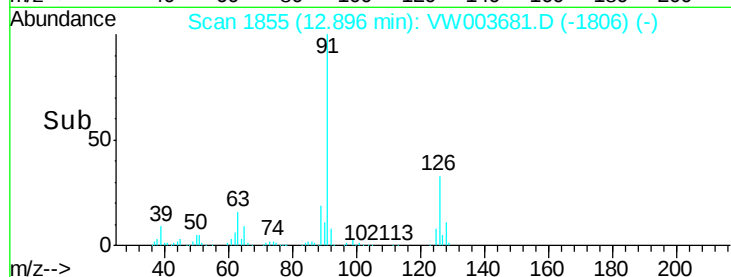
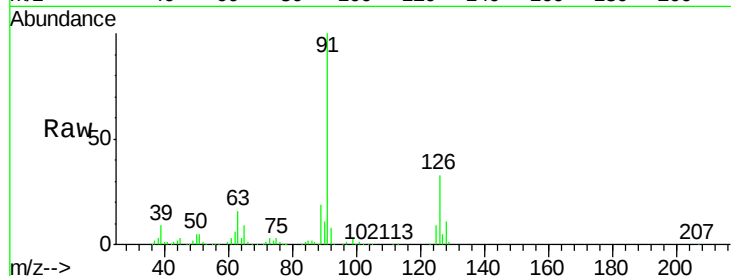
126 33.9 16.4 49.4

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#80

1,3,5-Trimethylbenzene

Concen: 19.37 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003681.D

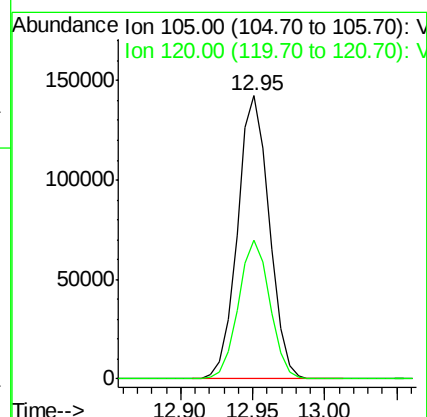
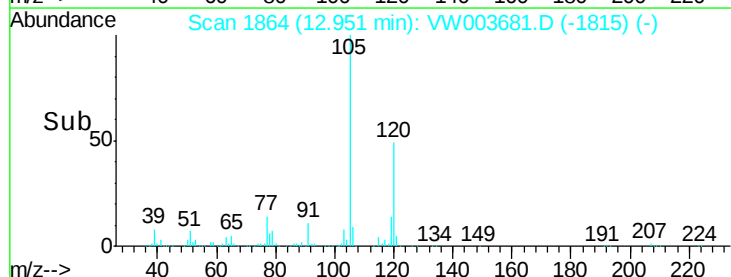
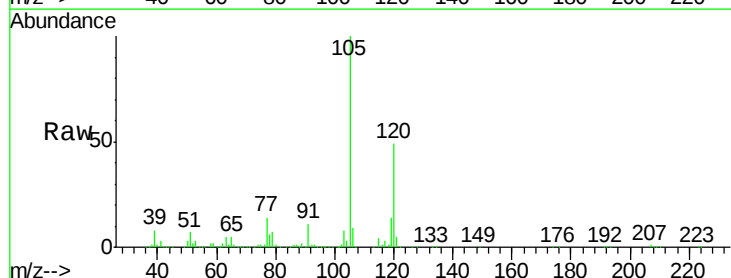
Acq: 02 Jul 2018 17:24

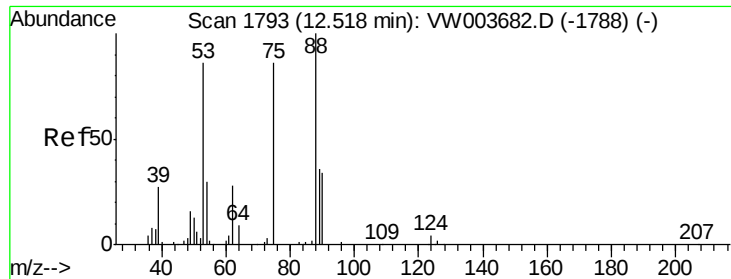
Tgt Ion: 105 Resp: 218039

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.17 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

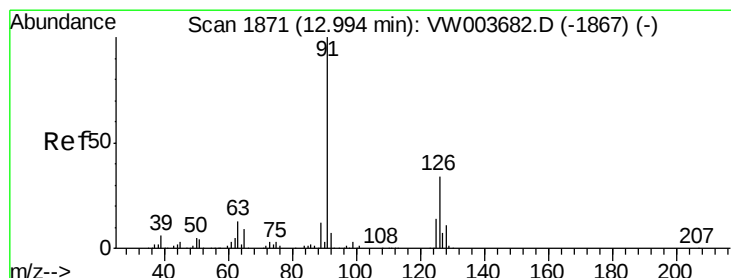
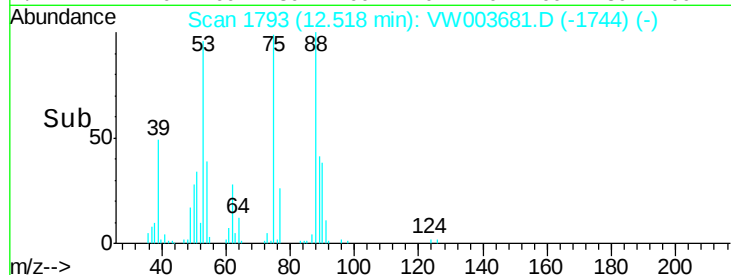
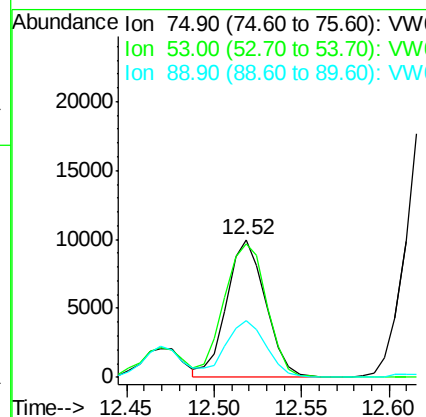
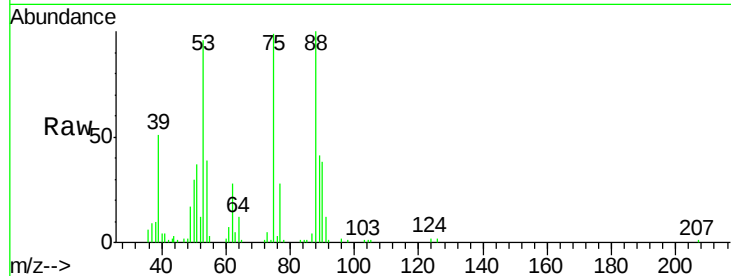
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	15490
Ion	Ratio	Lower	Upper
75	100		
53	106.4	82.4	123.6
89	42.0	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.67 ug/l

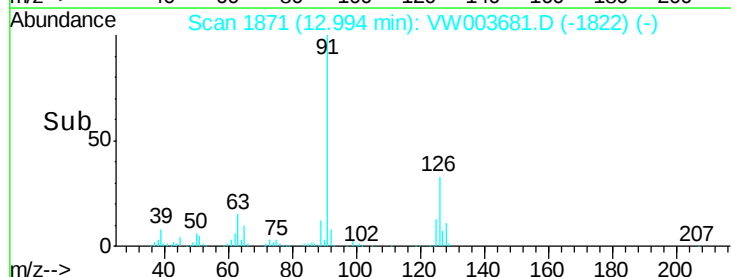
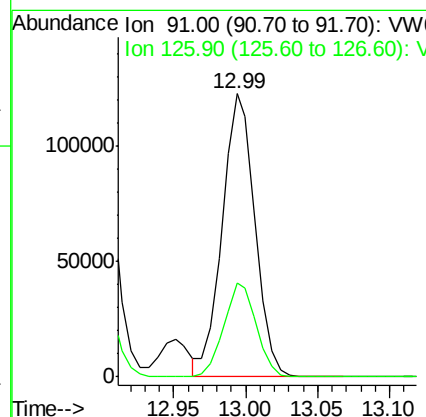
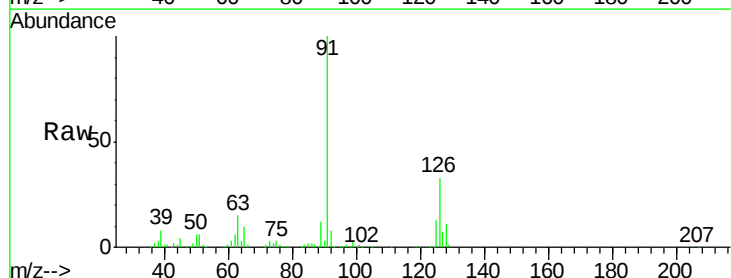
RT: 12.99 min Scan# 1871

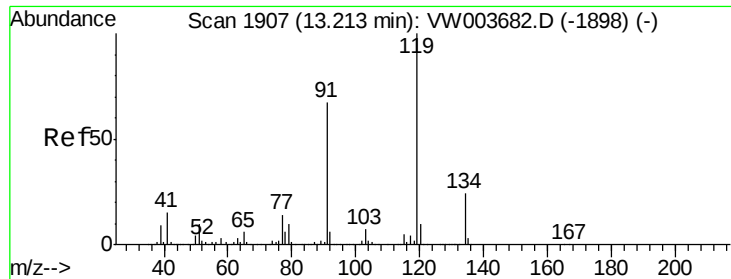
Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	91	Resp:	193987
Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.0	50.9





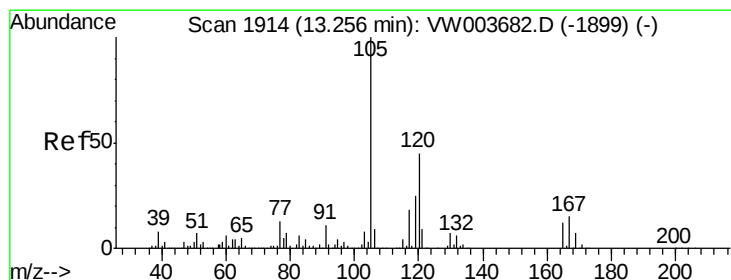
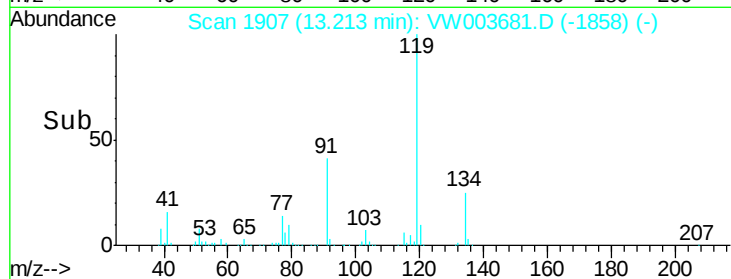
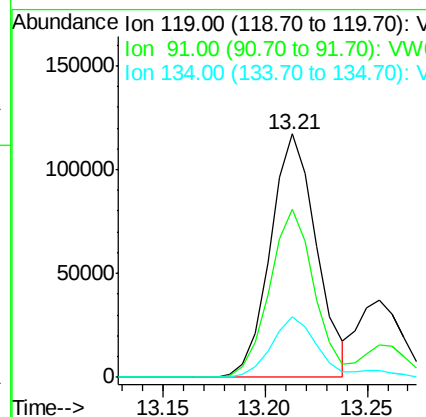
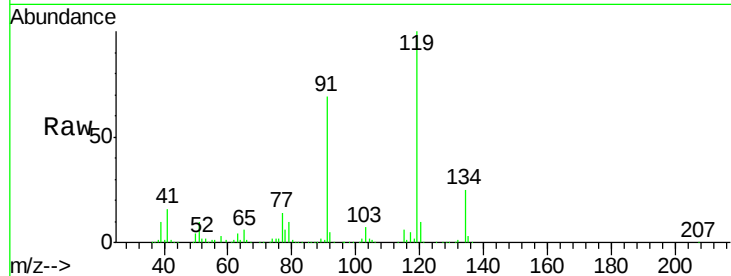
#83
tert-Butylbenzene
Concen: 19.31 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.8	101.3
134	24.3	13.1	39.1

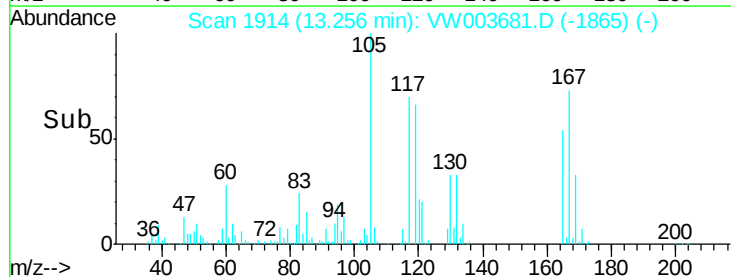
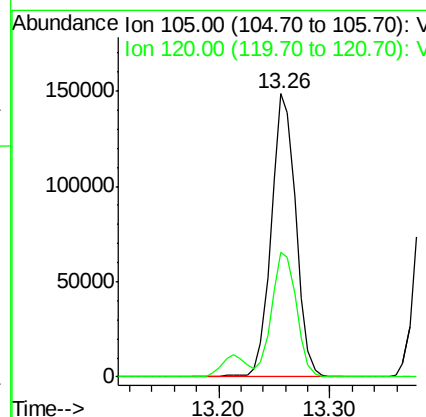
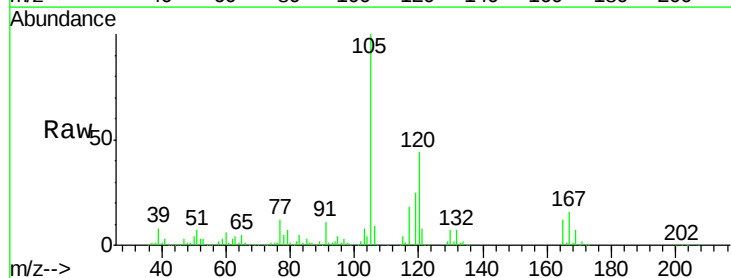
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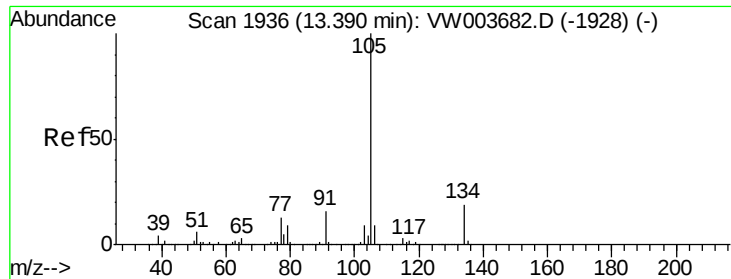
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 19.69 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.51 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 278168

Ion Ratio Lower Upper

105 100

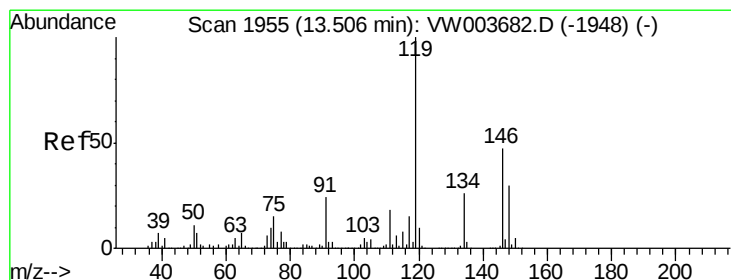
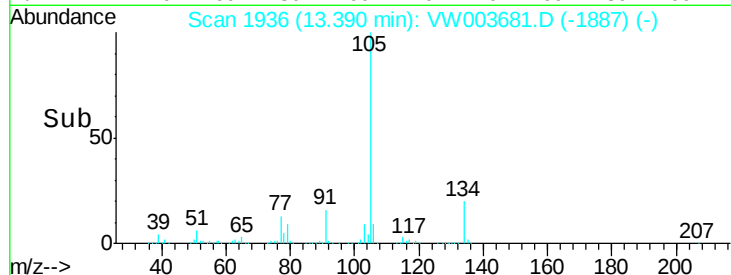
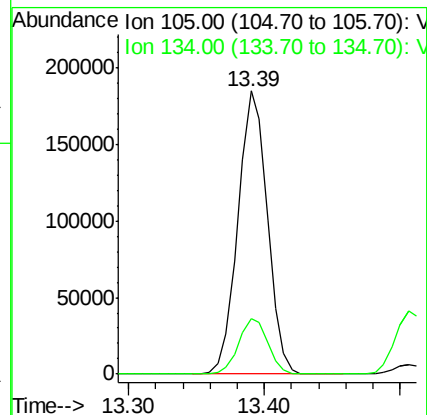
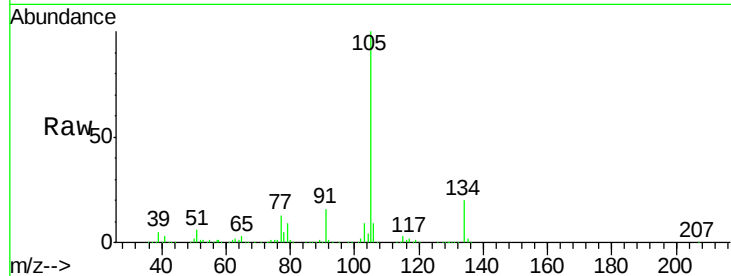
134 19.7 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 19.07 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

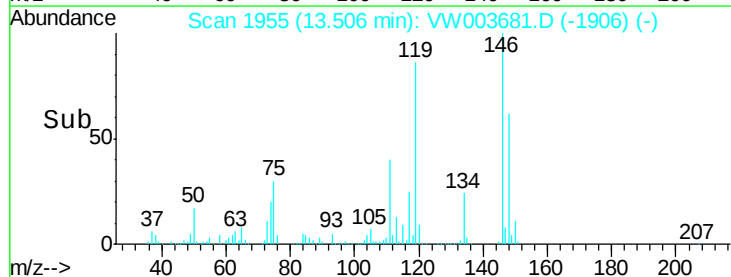
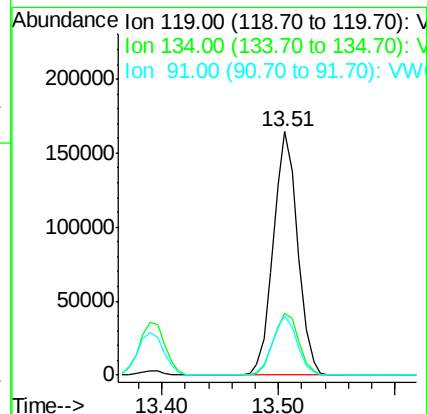
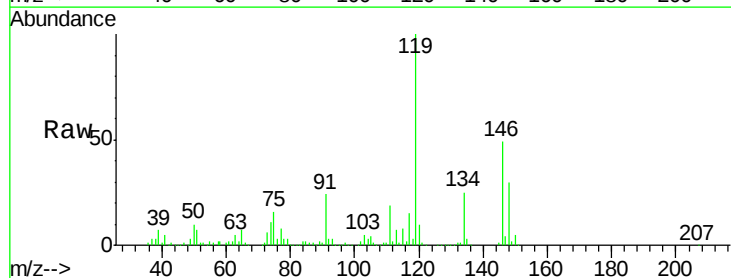
Tgt Ion:119 Resp: 239304

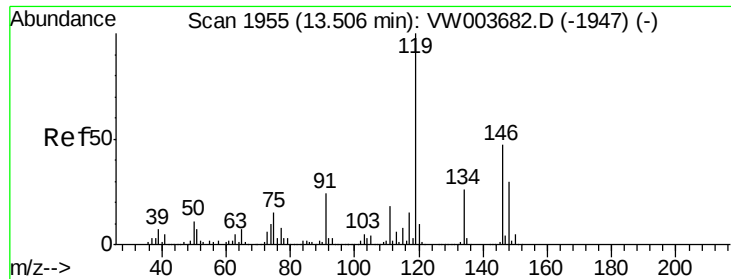
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.6 11.8 35.4





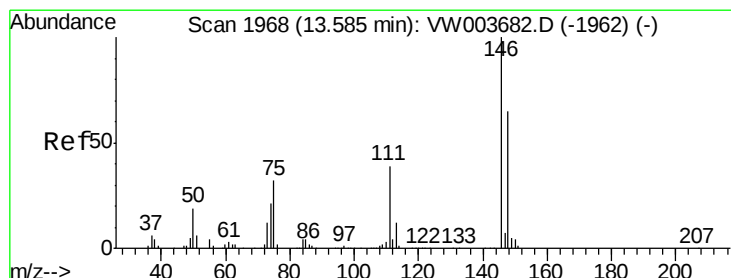
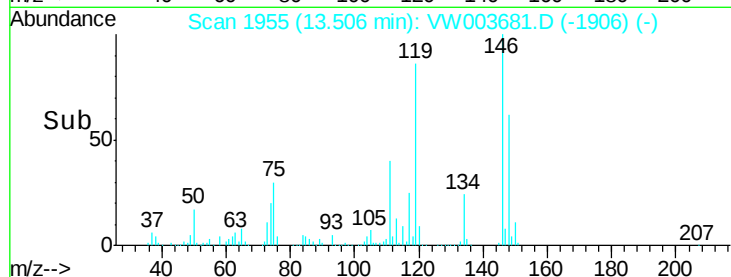
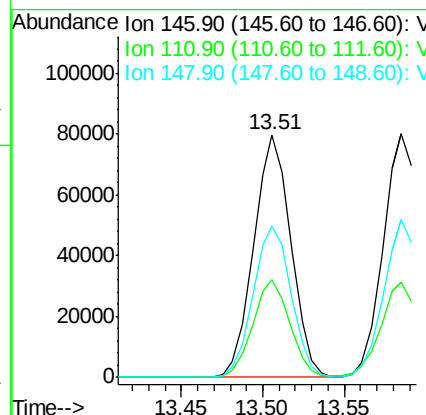
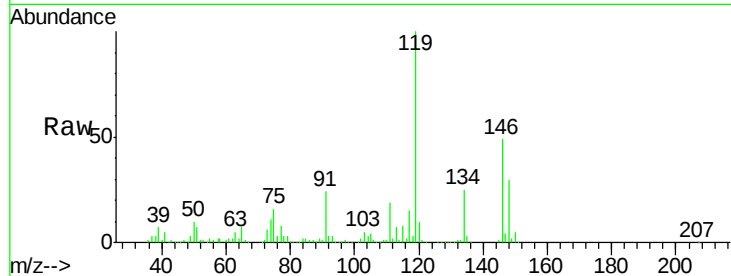
#87
 1,3-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126475		
111	40.2	19.9	59.7	
148	63.6	31.9	95.9	

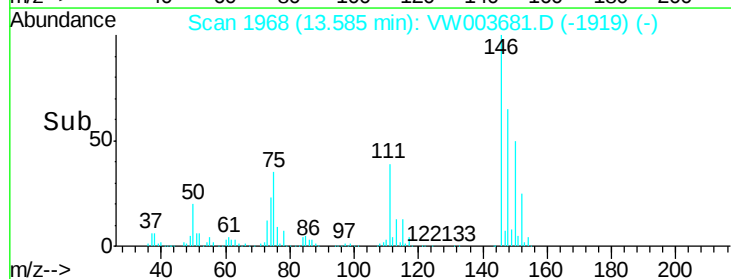
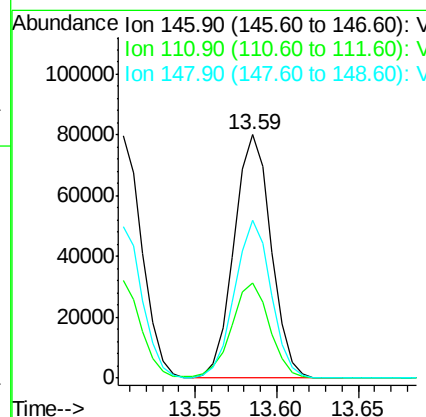
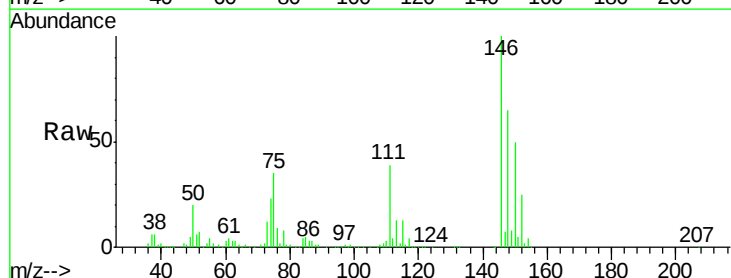
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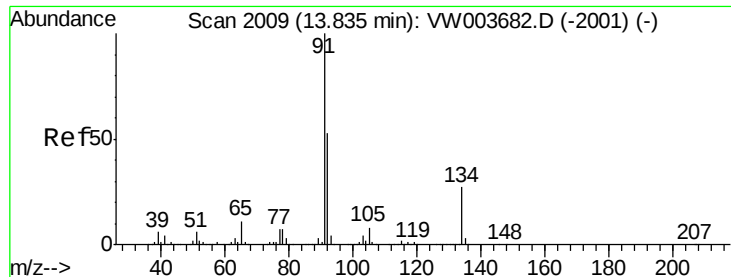
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#88
 1,4-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126917		
111	40.2	19.3	57.9	
148	63.7	32.3	96.9	





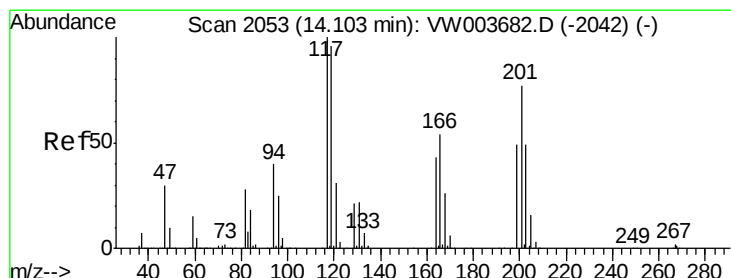
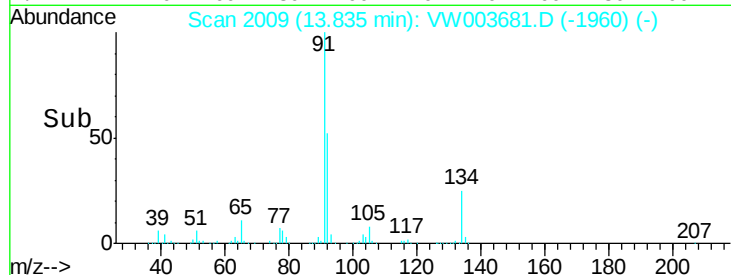
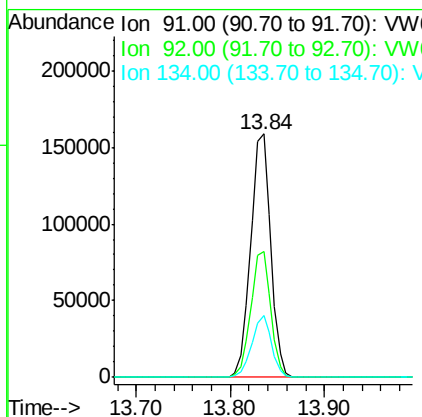
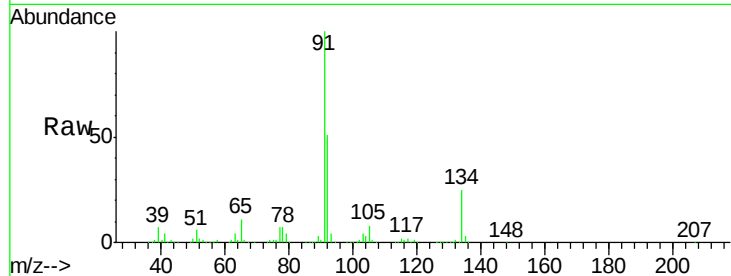
#89
n-Butylbenzene
Concen: 19.48 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.4	79.2
134	24.8	12.7	38.1

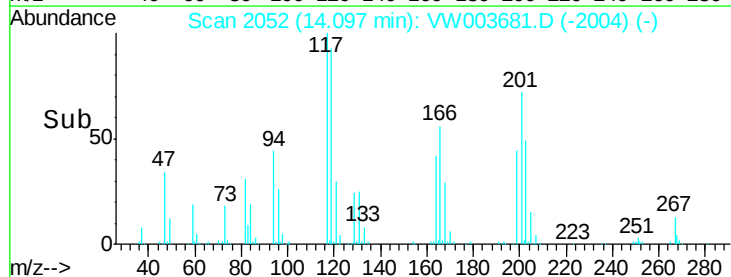
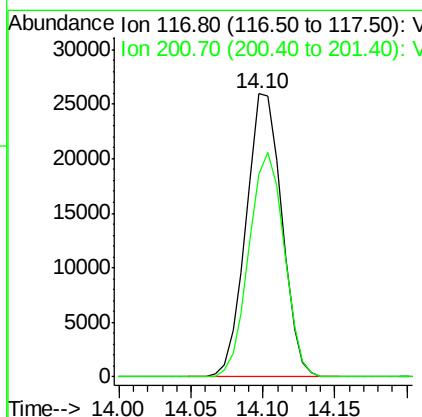
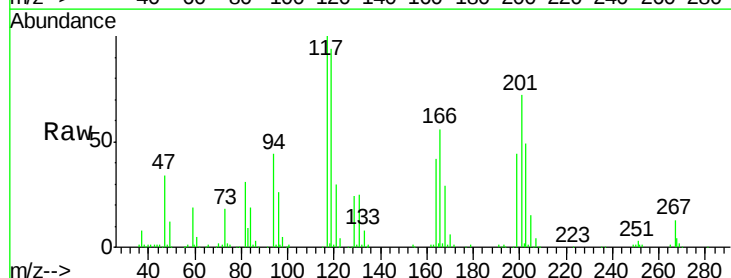
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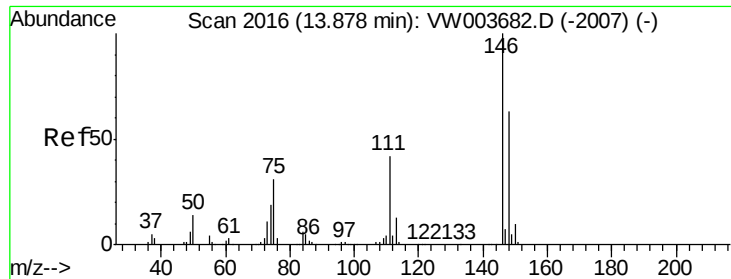
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#90
Hexachloroethane
Concen: 19.61 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW003681.D
Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.1	117.2





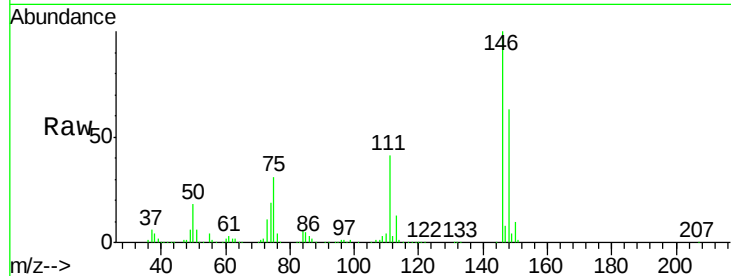
#91
 1,2-Dichlorobenzene
 Concen: 20.03 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

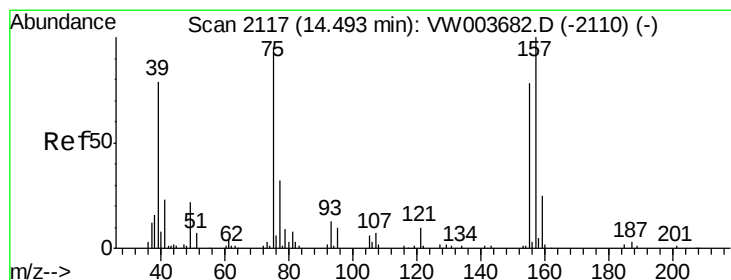
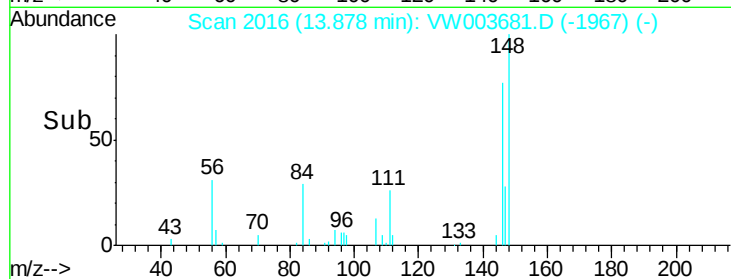
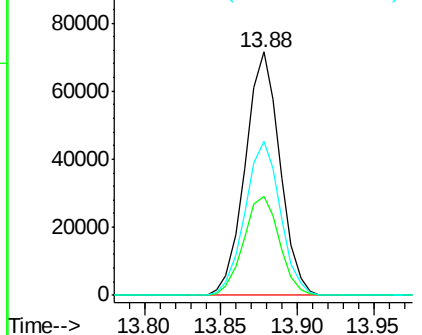
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.9
148	64.4	31.9	95.7

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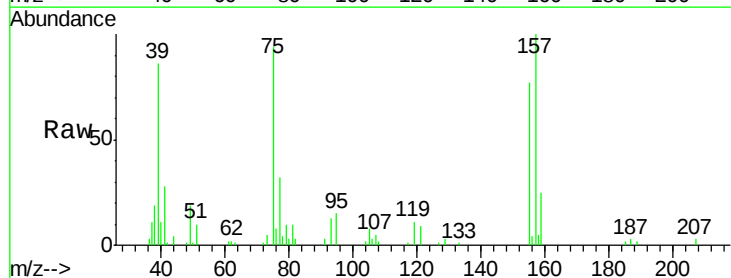


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

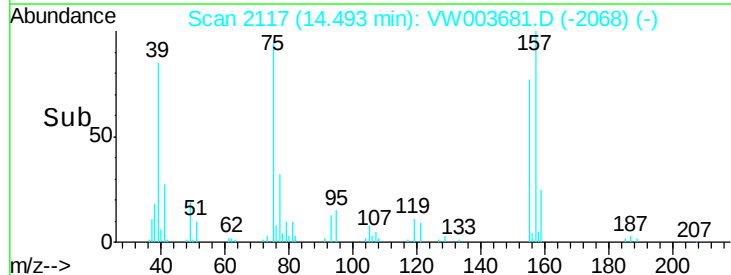
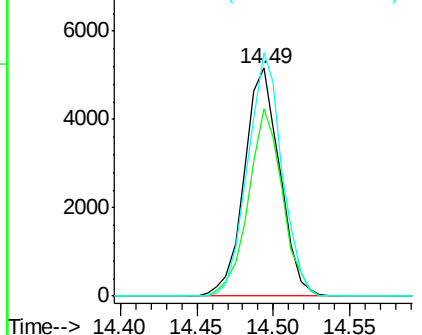


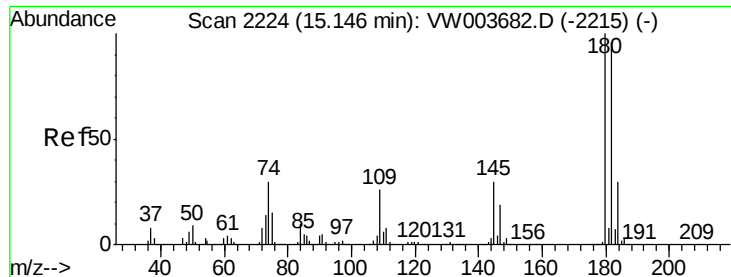
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.37 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003681.D
 Acq: 02 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	40.2	120.6
157	102.9	50.7	152.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.30 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

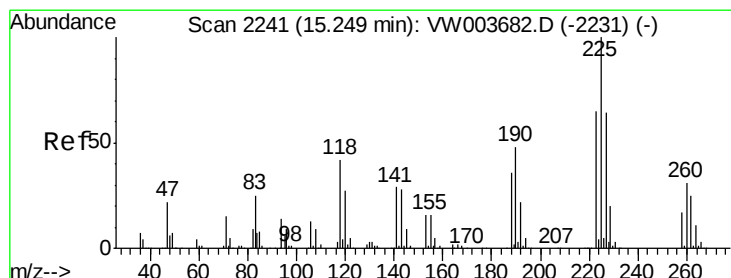
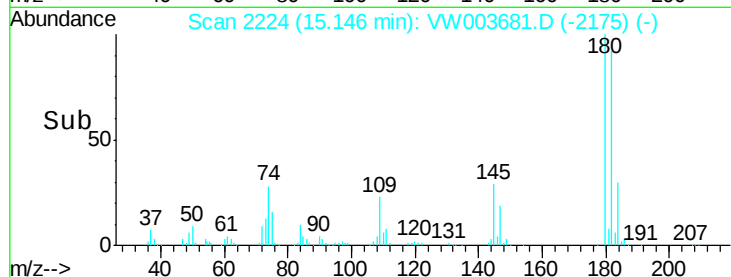
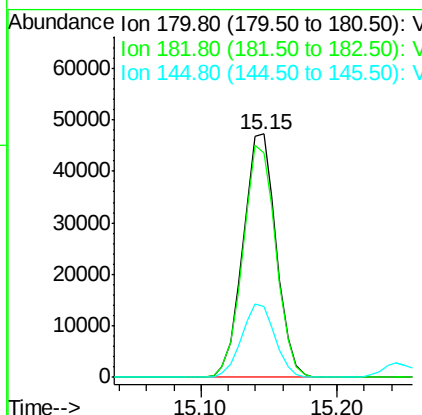
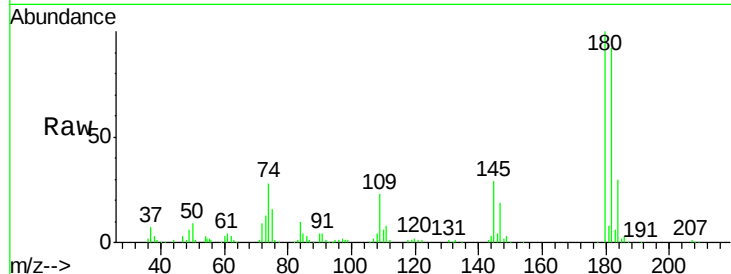
ClientSampled :

VSTDIC020

Tot Ion:	180	Resp:	80328
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.6	142.8
145	30.1	14.9	44.5

Manual Integrations
APPROVED

apatel
7/3/2018 10:16:40 AM



#94

Hexachlorobutadiene

Concen: 19.87 ug/l

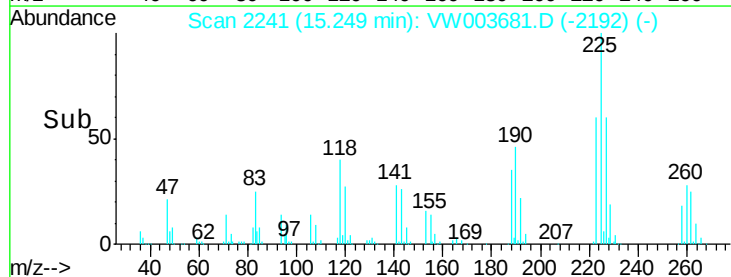
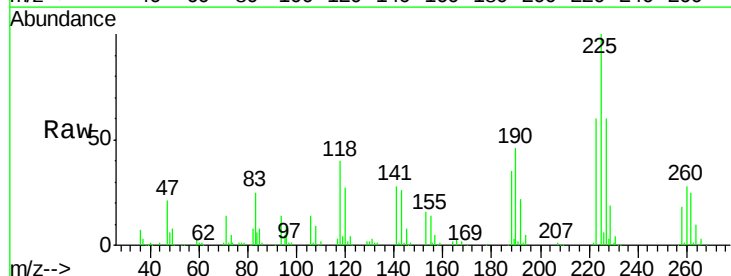
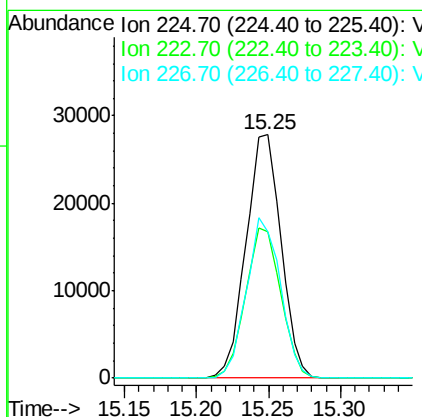
RT: 15.25 min Scan# 2241

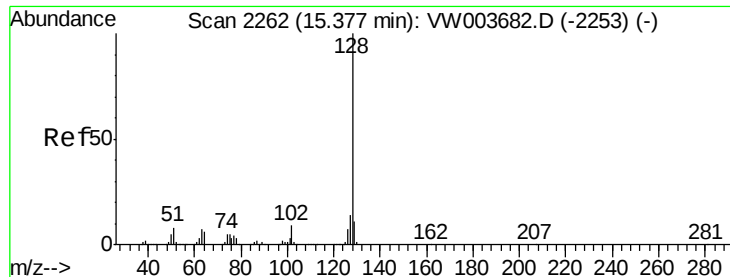
Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	225	Resp:	46926
Ion Ratio	Lower	Upper	
225	100		
223	62.1	32.0	96.2
227	63.8	31.9	95.7





#95

Naphthalene

Concen: 20.57 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Instrument :

MSVOA_W

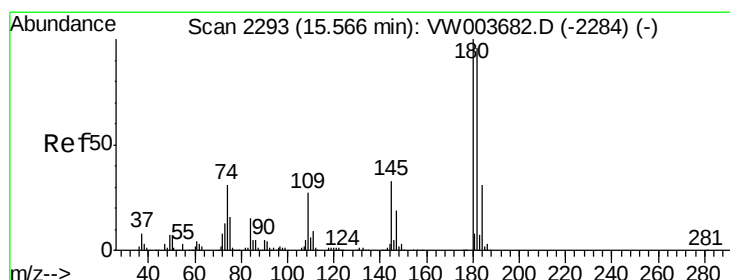
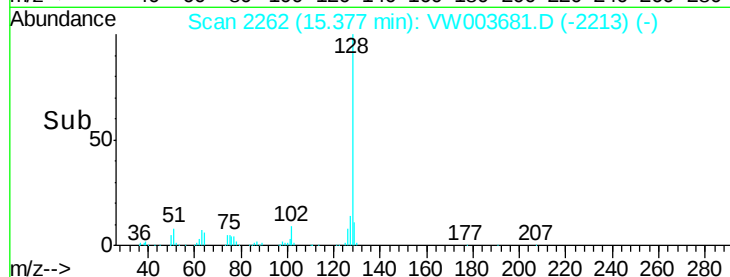
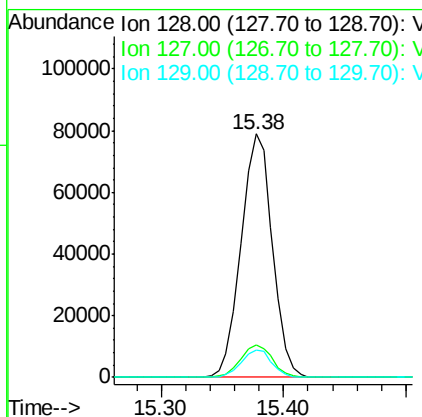
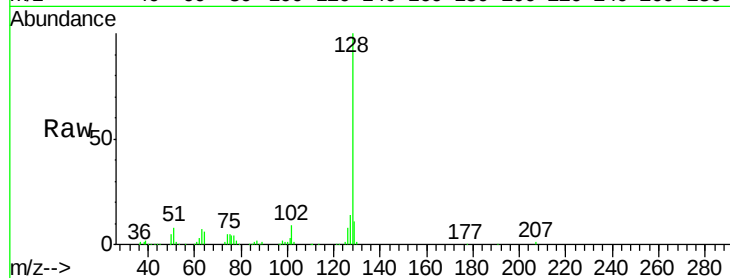
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	139760
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
7/3/2018 10:16:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.40 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003681.D

Acq: 02 Jul 2018 17:24

Tgt Ion:	180	Resp:	71198
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.8	143.3
145	31.9	15.9	47.7

