

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070218\
 Data File : VW003679.D
 Acq On : 02 Jul 2018 16:32
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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apatel
 7/3/2018 10:16:21 AM

Quant Time: Jul 03 08:53:11 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	236284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	382975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184536	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	13987	5.35	ug/l	0.00
Spiked Amount			Recovery	=	10.70%	
35) Dibromofluoromethane	7.88	113	12105	5.01	ug/l	0.00
Spiked Amount			Recovery	=	10.02%	
50) Toluene-d8	10.33	98	45269	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	
62) 4-Bromofluorobenzene	12.62	95	16229	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	5447m	6.88	ug/l	
3) Chloromethane	2.20	50	10696	5.81	ug/l	95
4) Vinyl Chloride	2.36	62	14793	5.56	ug/l	96
5) Bromomethane	2.78	94	8980	5.11	ug/l	98
6) Chloroethane	2.92	64	8295	4.58	ug/l	93
7) Trichlorofluoromethane	3.25	101	7831	5.05	ug/l	93
8) Diethyl Ether	3.67	74	6795	5.76	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11955	5.38	ug/l	98
10) Methyl Iodide	4.26	142	17319	5.17	ug/l	100
11) Tert butyl alcohol	5.23	59	4889m	34.46	ug/l	
12) 1,1-Dichloroethene	4.03	96	12161	5.57	ug/l	91
13) Acrolein	3.89	56	3384	19.46	ug/l	96
14) Allyl chloride	4.65	41	19948	5.30	ug/l	98
15) Acrylonitrile	5.37	53	14849	30.05	ug/l	99
16) Acetone	4.15	43	21480	38.64	ug/l	96
17) Carbon Disulfide	4.36	76	36625	5.60	ug/l	98
18) Methyl Acetate	4.68	43	12441	9.63	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	21417	5.23	ug/l	99
20) Methylene Chloride	4.91	84	25363	9.39	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12933	5.42	ug/l	91
22) Diisopropyl ether	6.31	45	37082	4.88	ug/l #	90
23) Vinyl Acetate	6.26	43	94880	21.37	ug/l	98
24) 1,1-Dichloroethane	6.21	63	24348	5.40	ug/l	96
25) 2-Butanone	7.19	43	21701	31.14	ug/l	95
26) 2,2-Dichloropropane	7.16	77	17110	5.79	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	13619	5.25	ug/l	96
28) Bromochloromethane	7.51	49	10021	5.35	ug/l	97
29) Tetrahydrofuran	7.54	42	12284	28.74	ug/l	96
30) Chloroform	7.68	83	24907	5.44	ug/l	97
31) Cyclohexane	7.95	56	25074	5.93	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	19153	5.11	ug/l	96
36) 1,1-Dichloropropene	8.09	75	19036	5.05	ug/l	99
37) Ethyl Acetate	7.26	43	8499	5.32	ug/l	96
38) Carbon Tetrachloride	8.07	117	18556	5.06	ug/l	95

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 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)
39) Methylcyclohexane	9.34	83	20752	4.75	ug/l	89
40) Benzene	8.32	78	53539	5.15	ug/l	98
41) Methacrylonitrile	7.49	41	4719	4.88	ug/l	94
42) 1,2-Dichloroethane	8.40	62	17597	5.41	ug/l	100
43) Isopropyl Acetate	8.43	43	16337	5.21	ug/l	97
44) Trichloroethene	9.09	130	14444	5.29	ug/l	99
45) 1,2-Dichloropropane	9.37	63	13978	5.29	ug/l	97
46) Dibromomethane	9.46	93	7162	5.27	ug/l	99
47) Bromodichloromethane	9.65	83	17517	5.05	ug/l #	99
48) Methyl methacrylate	9.44	41	7114	4.81	ug/l	93
49) 1,4-Dioxane	9.48	88	2131	103.60	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	41306	25.68	ug/l	99
52) Toluene	10.39	92	32592	4.90	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	16883	4.76	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	19499	4.82	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	10162	5.31	ug/l	93
56) Ethyl methacrylate	10.65	69	10201	4.36	ug/l	91
57) 1,3-Dichloropropane	10.94	76	17289	5.22	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	26489	25.67	ug/l	98
59) 2-Hexanone	10.98	43	28598	25.40	ug/l	94
60) Dibromochloromethane	11.13	129	11548	5.10	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9794	5.41	ug/l	98
64) Tetrachloroethene	10.87	164	12629	5.31	ug/l	97
65) Chlorobenzene	11.66	112	37410	5.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	12520	4.81	ug/l	97
67) Ethyl Benzene	11.74	91	60834	4.62	ug/l	98
68) m/p-Xylenes	11.84	106	45701	9.14	ug/l	100
69) o-Xylene	12.17	106	20858	4.52	ug/l	98
70) Styrene	12.19	104	32426	4.20	ug/l	96
71) Bromoform	12.35	173	6802	5.01	ug/l #	97
73) Isopropylbenzene	12.47	105	56317	4.37	ug/l	99
74) N-amyl acetate	12.28	43	14310	4.77	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12207	5.49	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8045m	5.03	ug/l	
77) Bromobenzene	12.75	156	14610	4.85	ug/l	97
78) n-propylbenzene	12.81	91	69959	4.42	ug/l	99
79) 2-Chlorotoluene	12.90	91	41462	4.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	47765	4.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3412	4.85	ug/l	95
82) 4-Chlorotoluene	12.99	91	44097	4.65	ug/l	100
83) tert-Butylbenzene	13.21	119	39403	4.27	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	48492	4.34	ug/l	100
85) sec-Butylbenzene	13.39	105	60395	4.40	ug/l	100
86) p-Isopropyltoluene	13.51	119	50738	4.20	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	30287	4.91	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	31138	5.07	ug/l	94
89) n-Butylbenzene	13.83	91	51618	4.38	ug/l	98
90) Hexachloroethane	14.10	117	10242	4.68	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	27194	5.02	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2140	5.71	ug/l	95

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MSVOA_W
ClientSampleId :
VSTDICC005

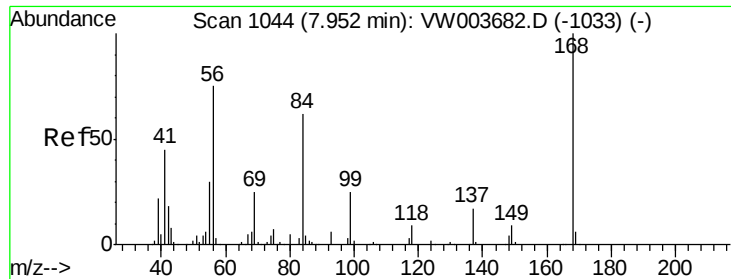
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 03 02:27:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18469	4.85	ug/l	99
94) Hexachlorobutadiene	15.25	225	11124	4.90	ug/l	98
95) Naphthalene	15.38	128	29780	4.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	16667	4.97	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 236284

Ion Ratio Lower Upper

168 100

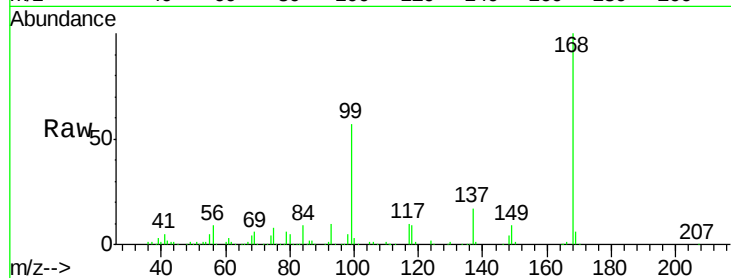
99 56.6 45.4 68.2

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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

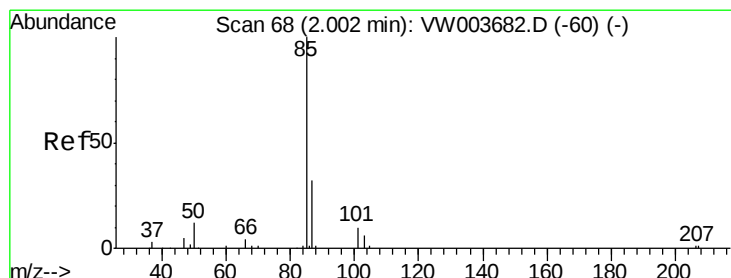
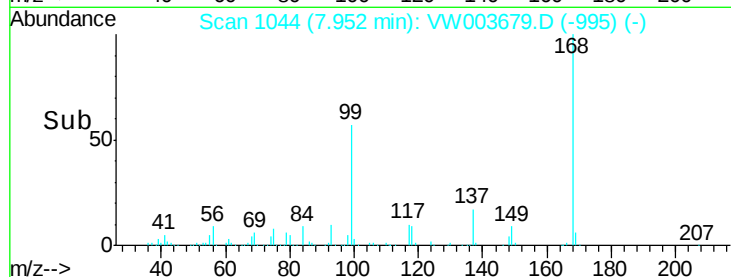
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 6.88 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003679.D

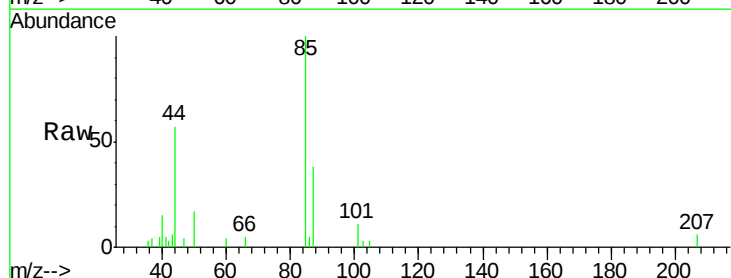
Acq: 02 Jul 2018 16:32

Tgt Ion: 85 Resp: 5447

Ion Ratio Lower Upper

85 100

87 38.2 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

2000

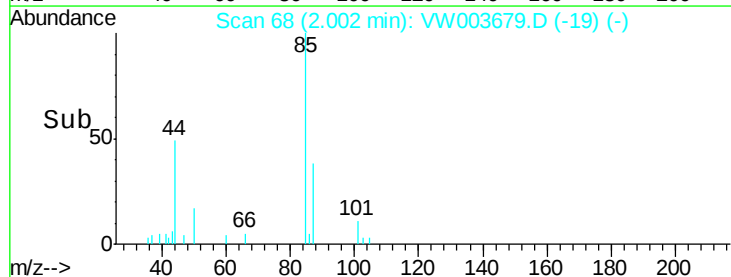
1500

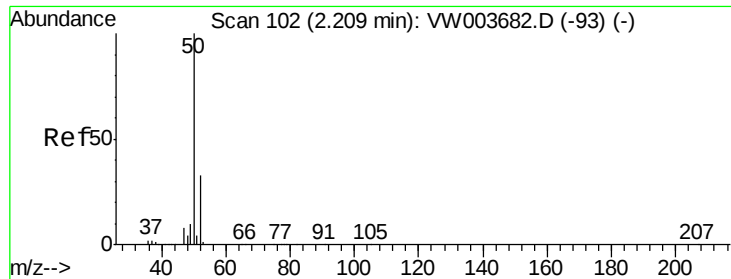
1000

500

0

Time-->





#3

Chloromethane

Concen: 5.81 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10696

Ion Ratio Lower Upper

50 100

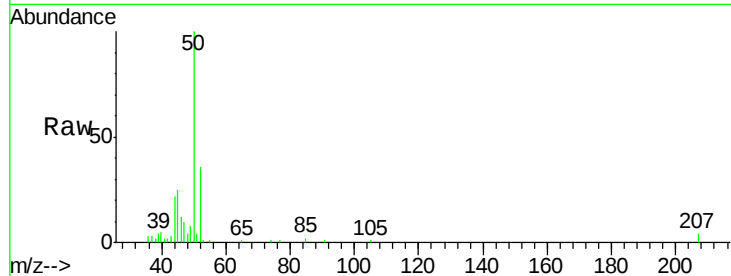
52 35.6 26.1 39.1

Manual Integrations

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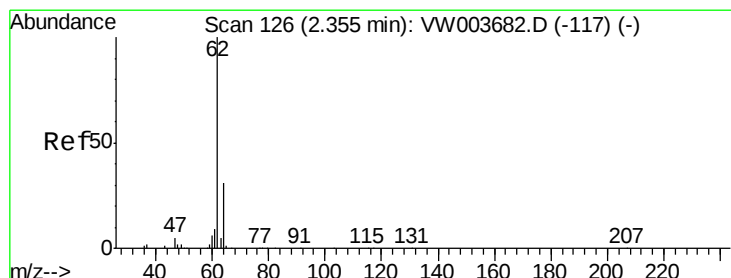
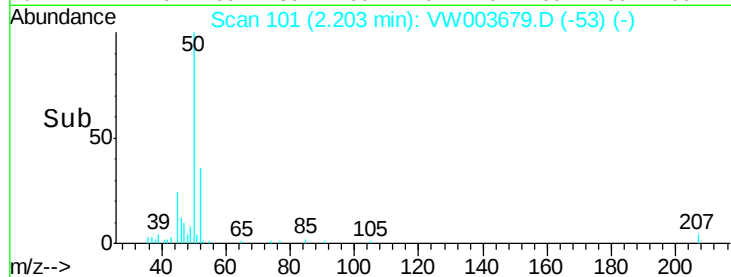
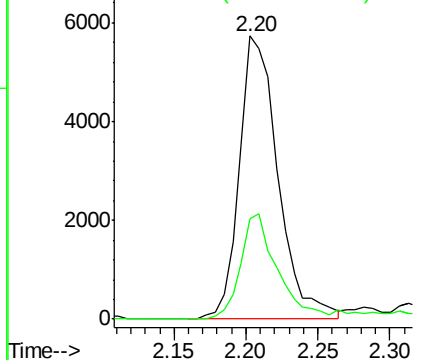
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.56 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003679.D

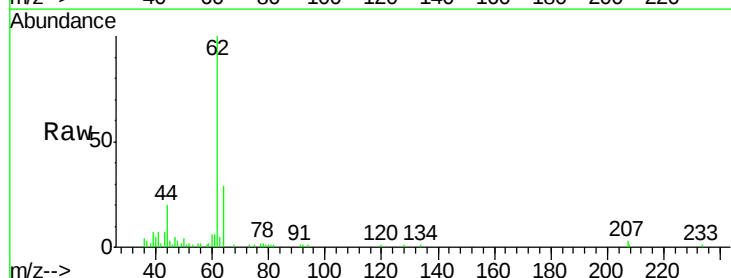
Acq: 02 Jul 2018 16:32

Tgt Ion: 62 Resp: 14793

Ion Ratio Lower Upper

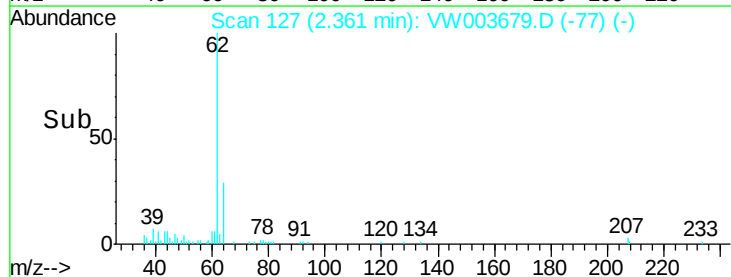
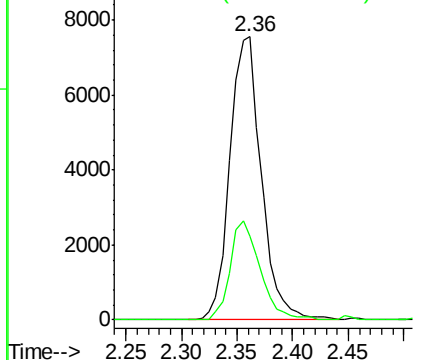
62 100

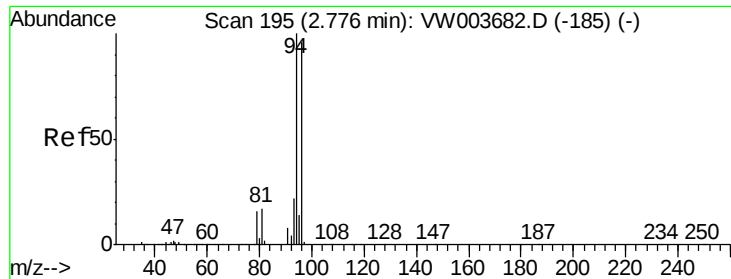
64 29.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 5.11 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8980

Ion Ratio Lower Upper

94 100

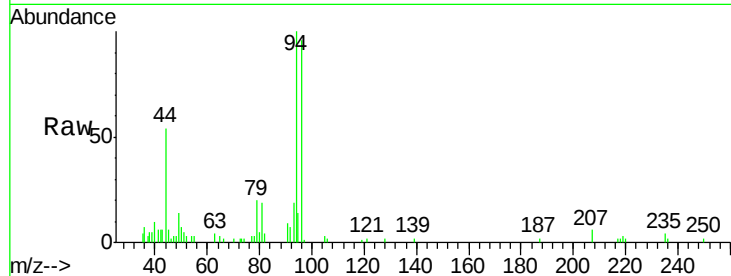
96 93.7 76.6 115.0

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

4000

3000

2000

1000

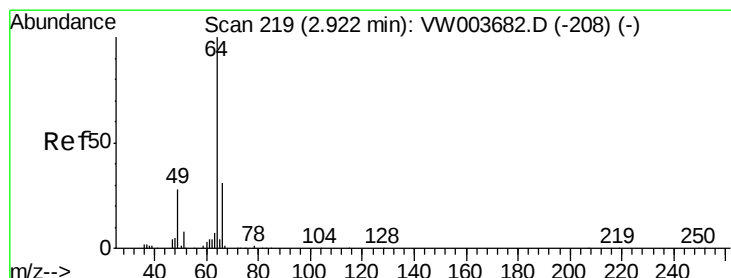
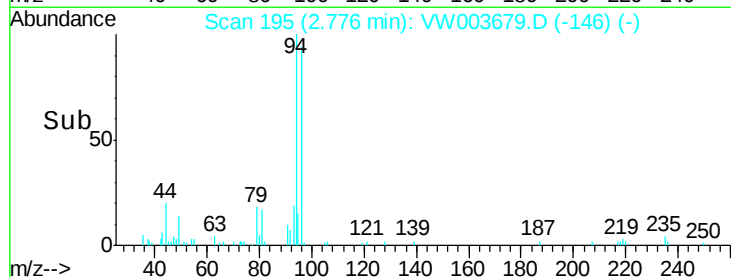
0

2.70

2.80

2.90

Time-->



#6

Chloroethane

Concen: 4.58 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003679.D

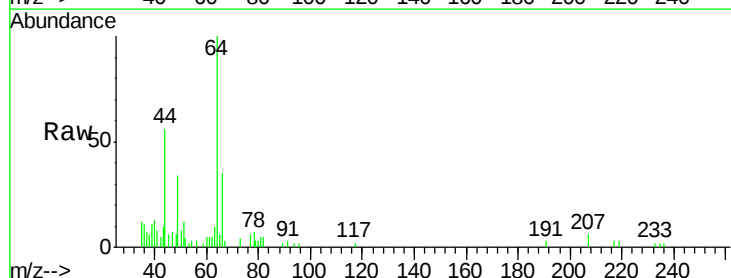
Acq: 02 Jul 2018 16:32

Tgt Ion: 64 Resp: 8295

Ion Ratio Lower Upper

64 100

66 35.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

3000

2000

1000

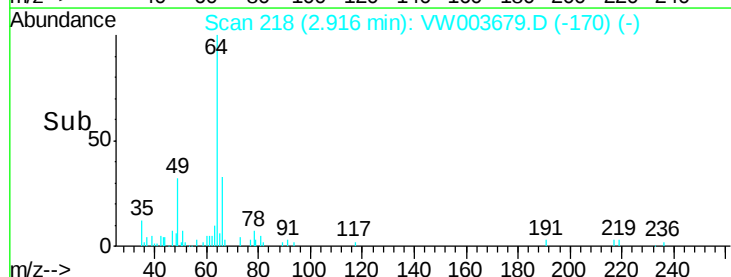
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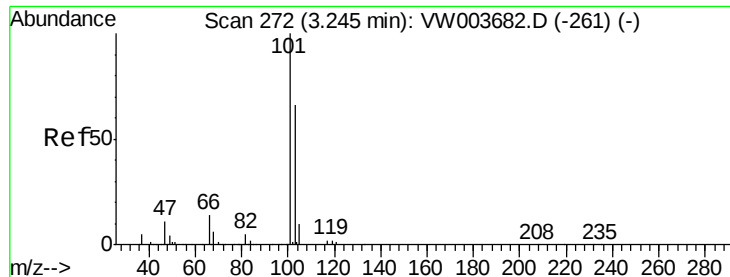
2.80

2.90

3.00

Time-->





#7

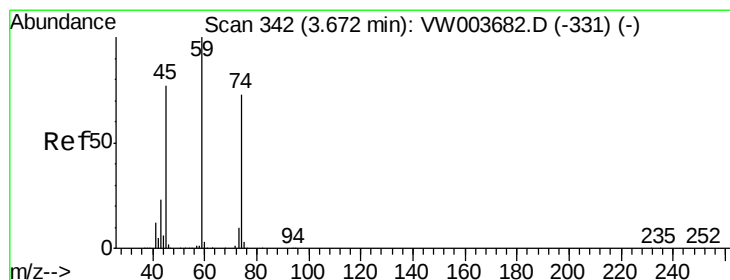
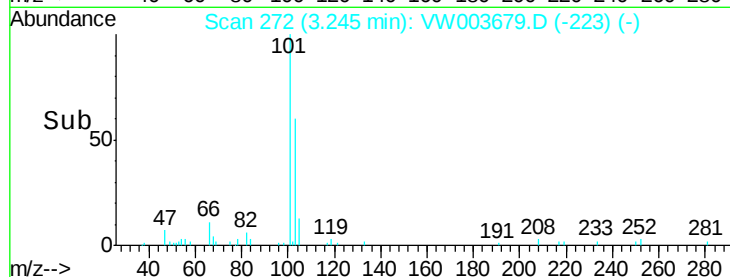
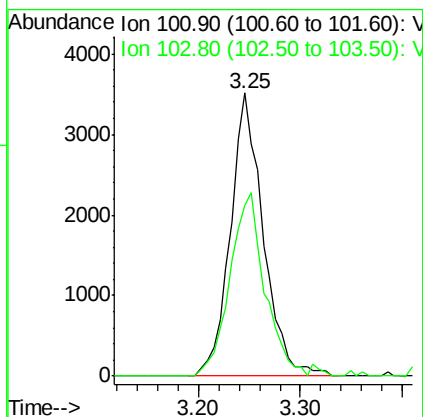
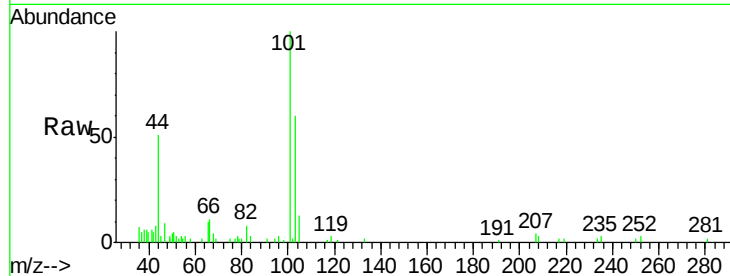
Trichlorofluoromethane
 Concen: 5.05 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	52.9	79.3

Manual Integrations
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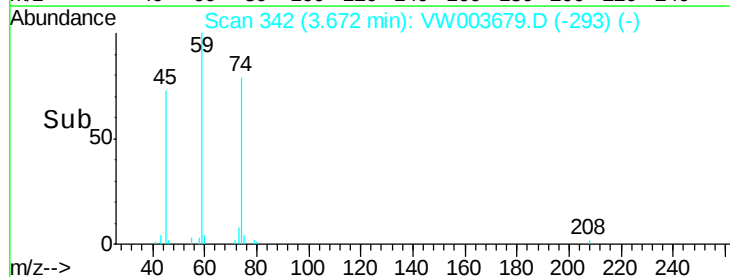
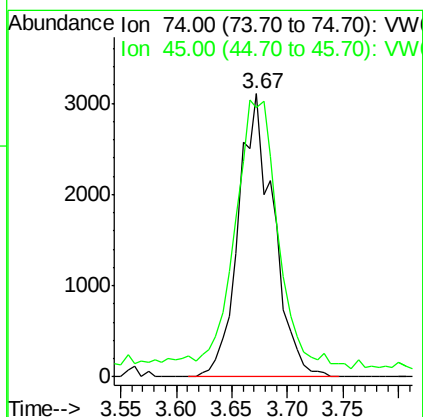
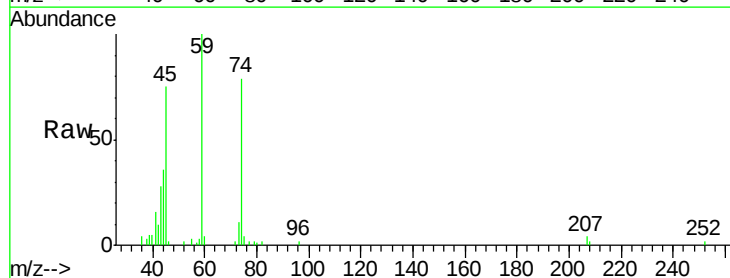
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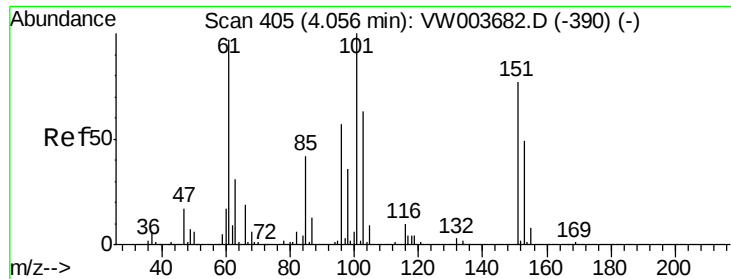


#8

Diethyl Ether
 Concen: 5.76 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.8	53.5	160.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.38 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

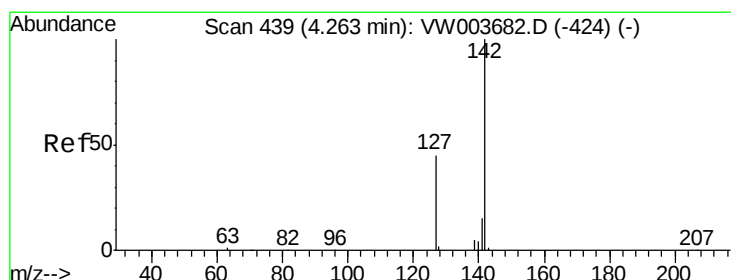
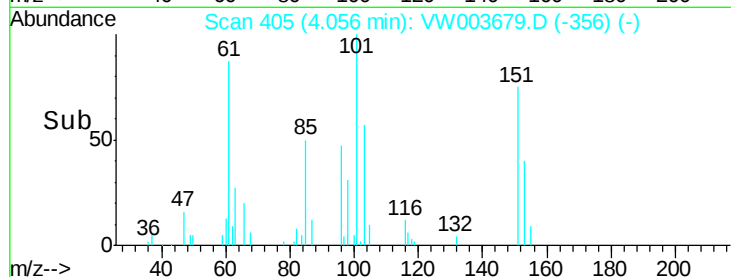
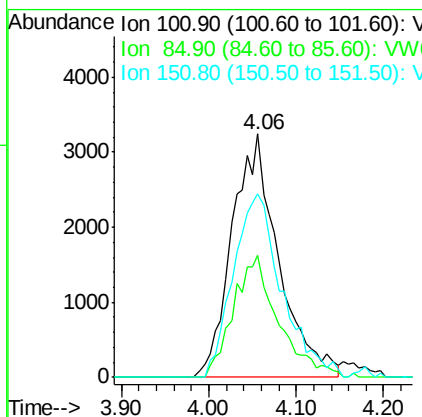
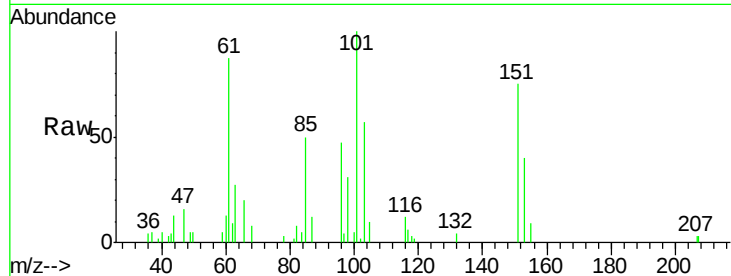
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11955
Ion Ratio	Lower	Upper	
101	100		
85	48.4	36.6	55.0
151	78.6	62.4	93.6

Manual Integrations
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#10

Methyl Iodide

Concen: 5.17 ug/l

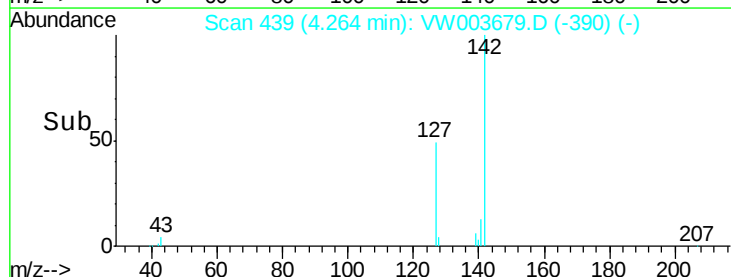
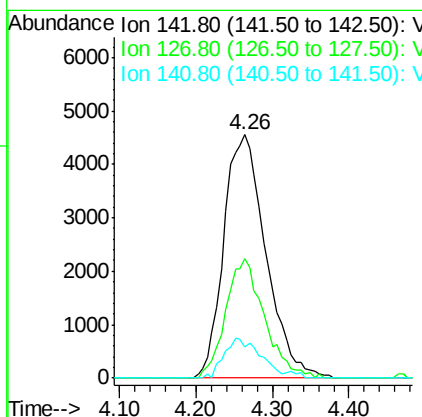
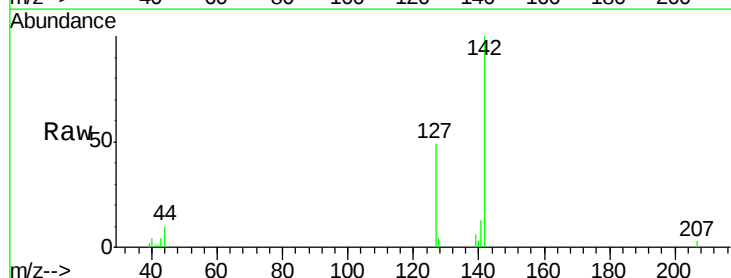
RT: 4.26 min Scan# 439

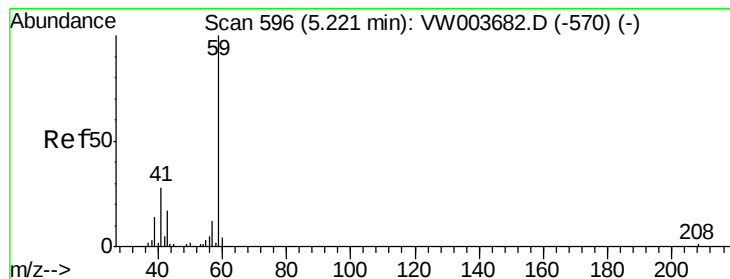
Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	142	Resp:	17319
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.0	54.0
141	14.3	11.9	17.9





#11

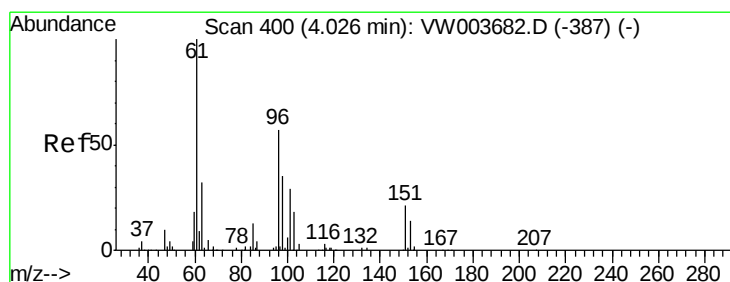
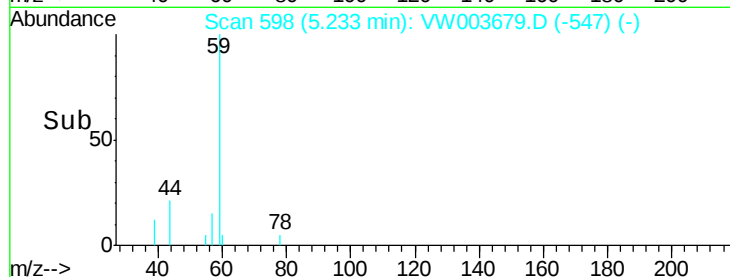
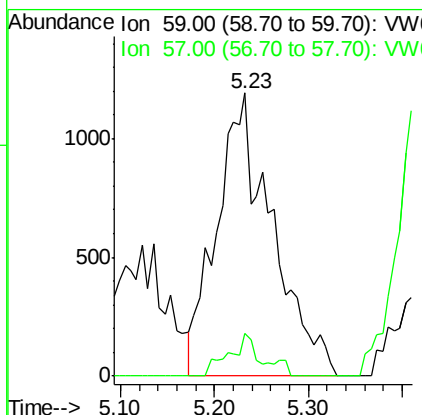
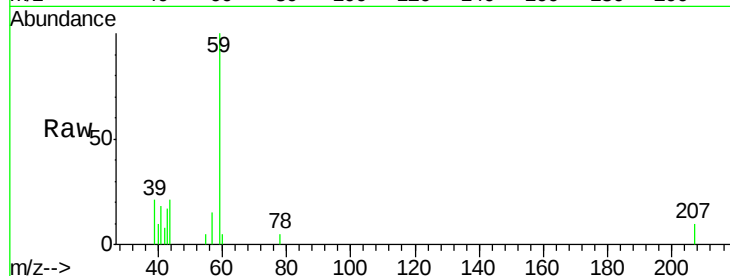
Tert butyl alcohol
 Concen: 34.46 ug/l m
 RT: 5.23 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 59 Resp: 4889
 Ion Ratio Lower Upper
 59 100
 57 7.8 9.0 13.4#

Manual Integrations
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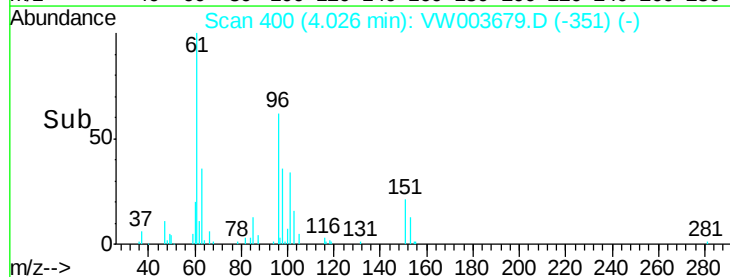
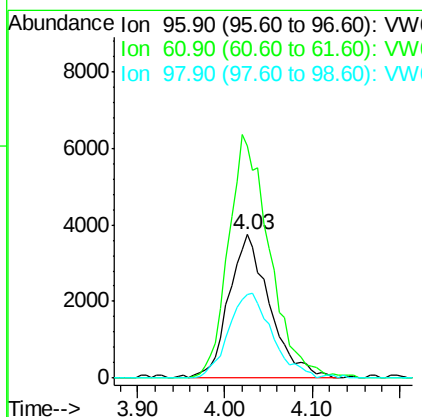
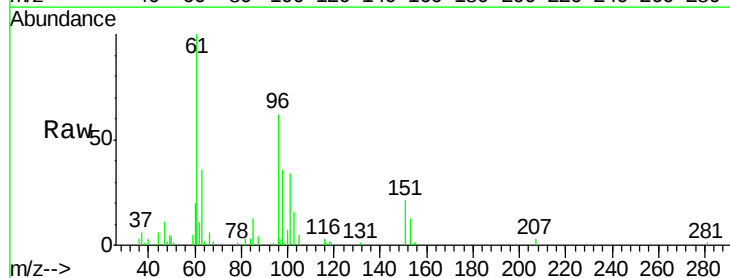
apatel
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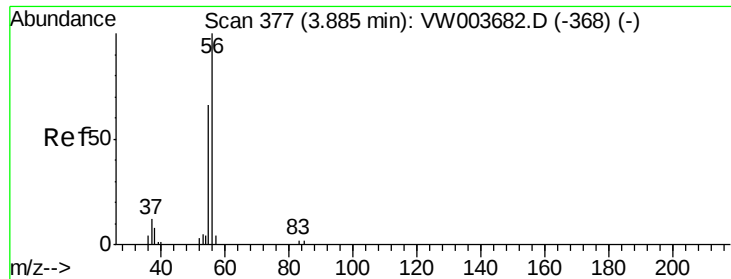


#12

1,1-Dichloroethene
 Concen: 5.57 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 96 Resp: 12161
 Ion Ratio Lower Upper
 96 100
 61 161.2 140.6 211.0
 98 57.9 49.4 74.0





#13

Acrolein

Concen: 19.46 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3384

Ion Ratio Lower Upper

56 100

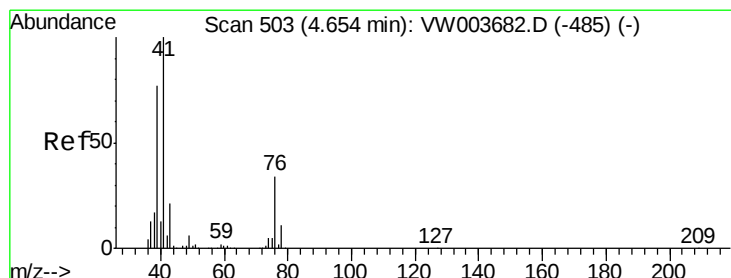
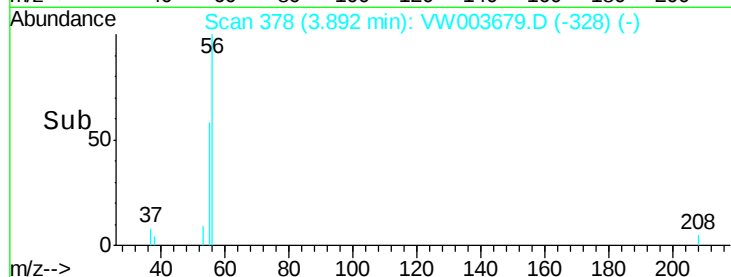
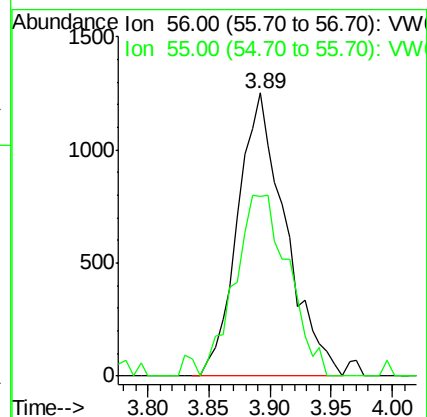
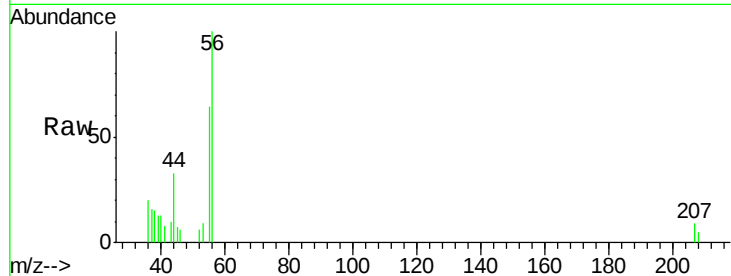
55 71.7 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 5.30 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

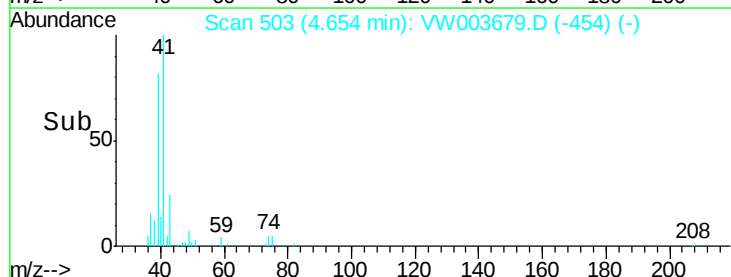
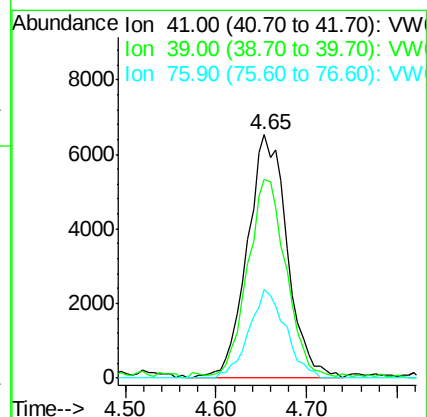
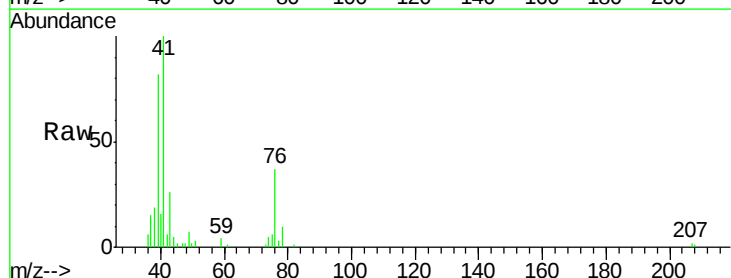
Tgt Ion: 41 Resp: 19948

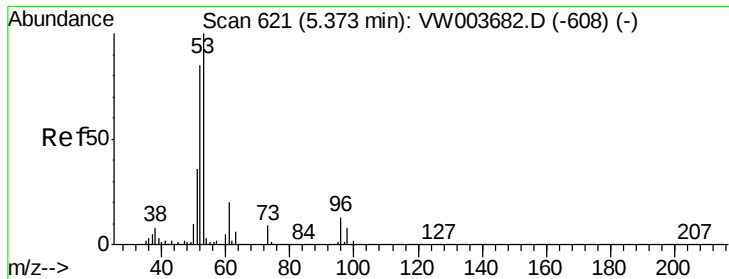
Ion Ratio Lower Upper

41 100

39 77.3 60.1 90.1

76 33.2 27.2 40.8





#15

Acrylonitrile

Concen: 30.05 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

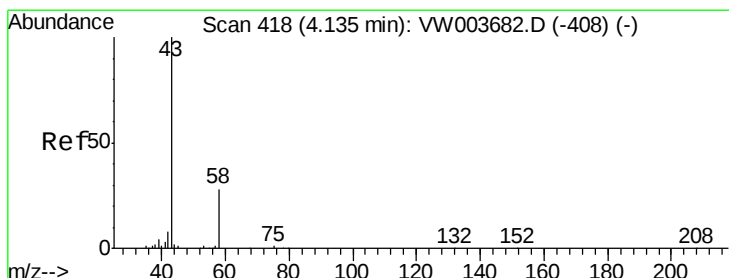
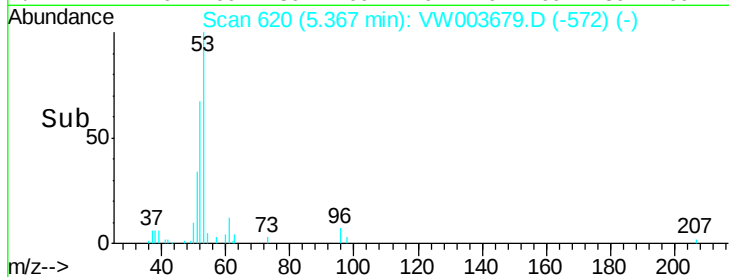
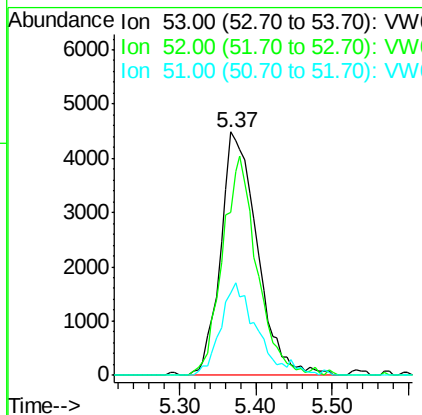
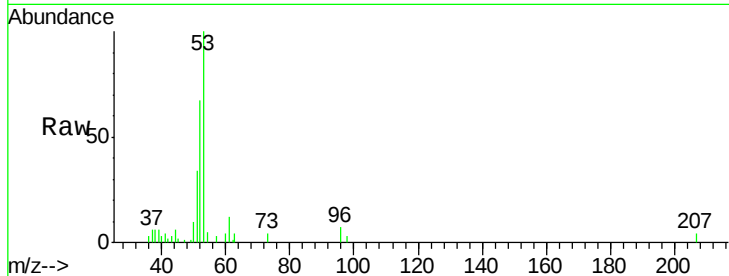
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	14849
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.8	100.2
51	36.0	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 38.64 ug/l

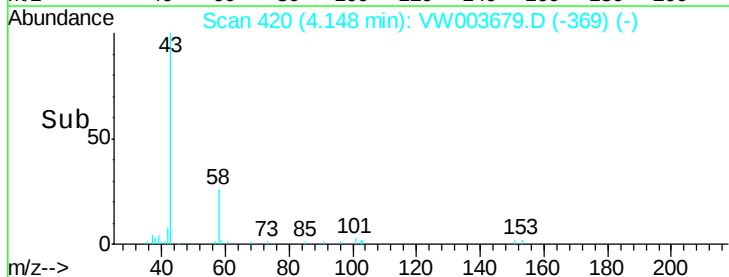
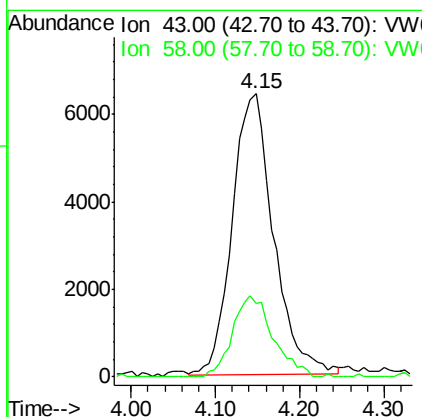
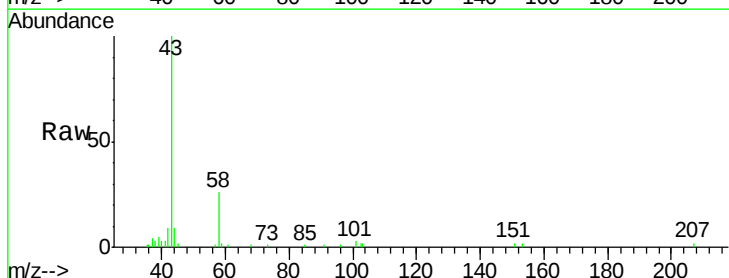
RT: 4.15 min Scan# 420

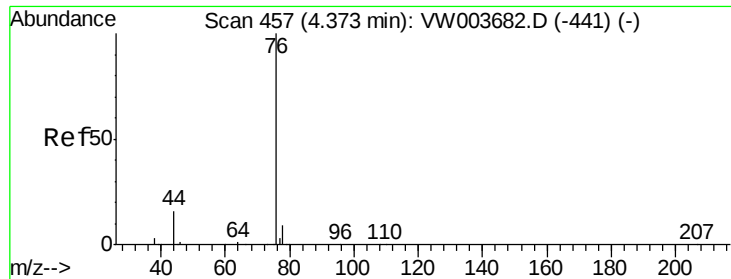
Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	43	Resp:	21480
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.7	34.1





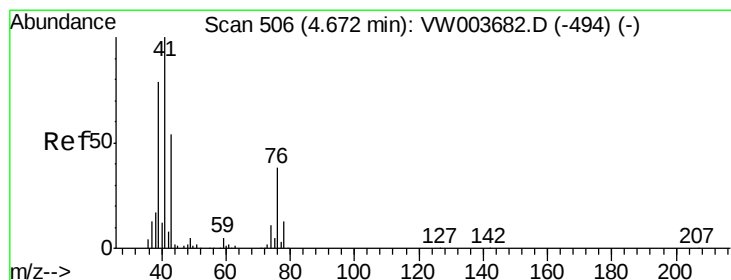
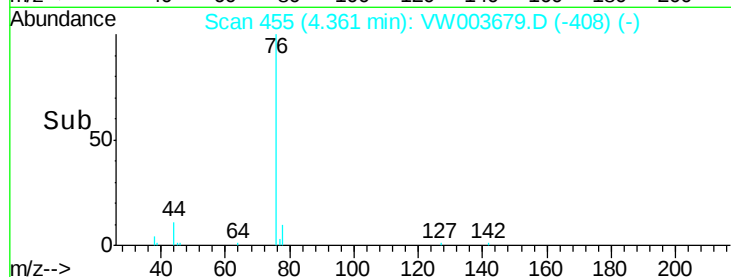
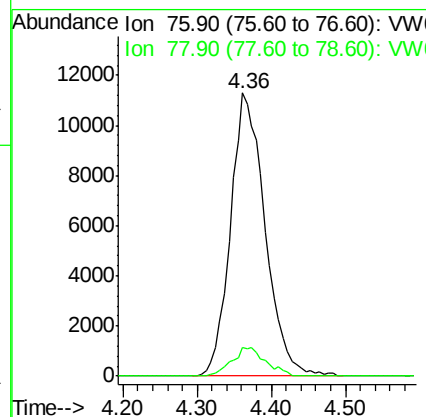
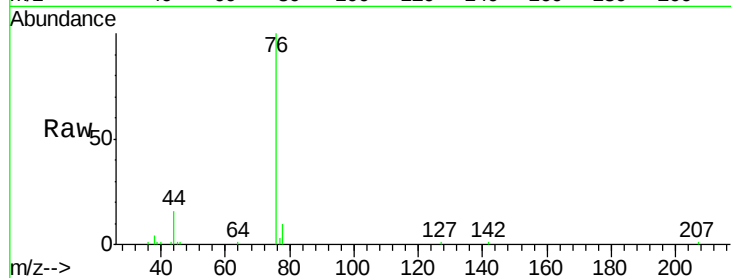
#17
Carbon Disulfide
Concen: 5.60 ug/l
RT: 4.36 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.2

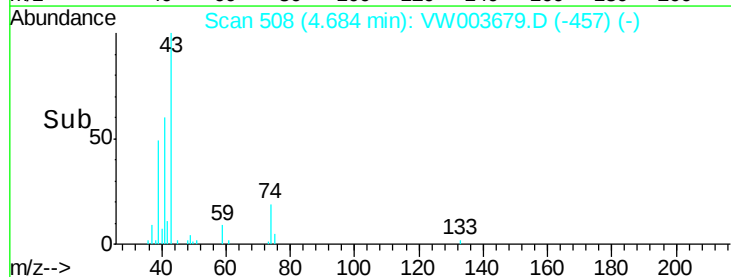
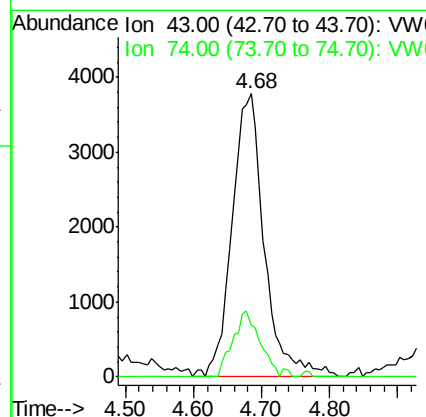
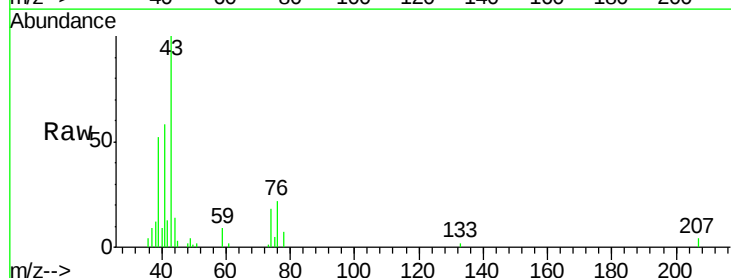
Manual Integrations
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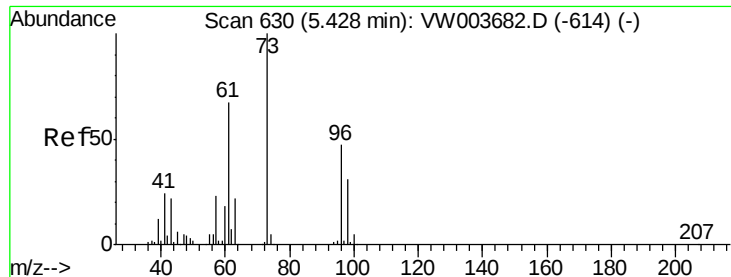
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#18
Methyl Acetate
Concen: 9.63 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	18.2	27.2





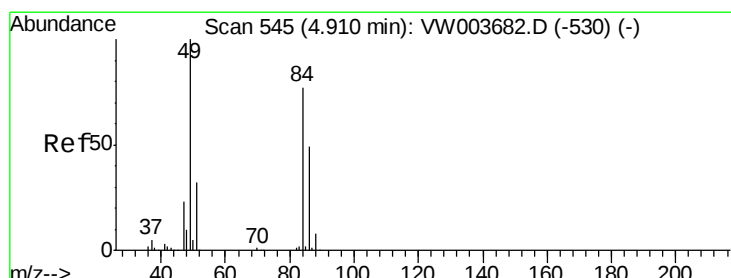
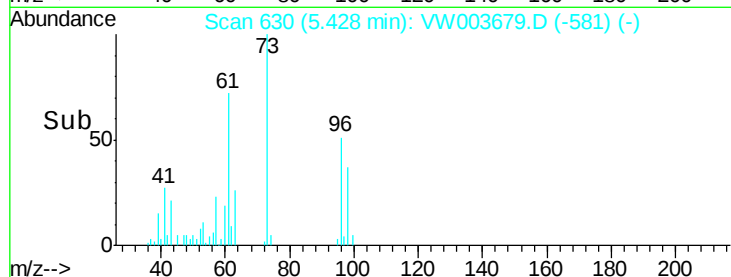
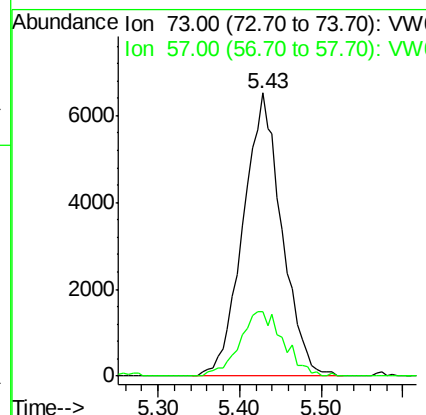
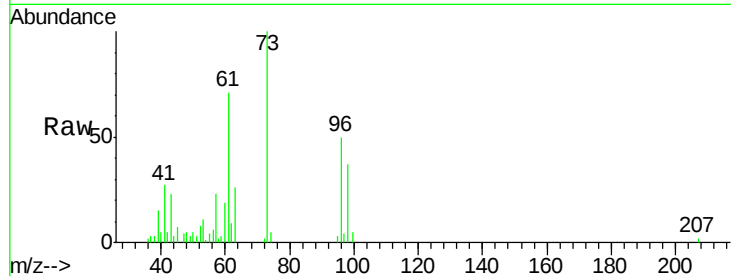
#19
Methvl tert-butvl Ether
Concen: 5.23 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 21417
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1

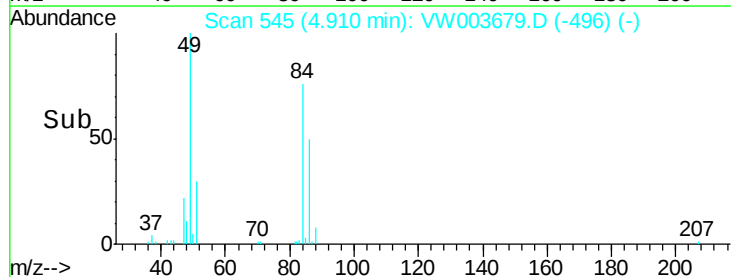
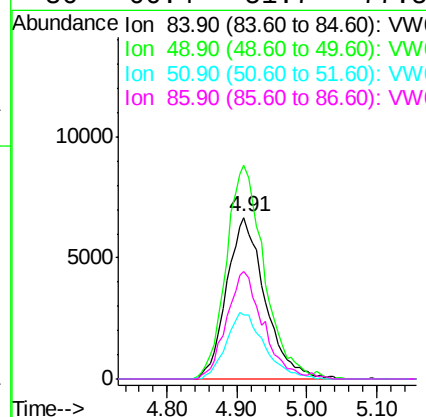
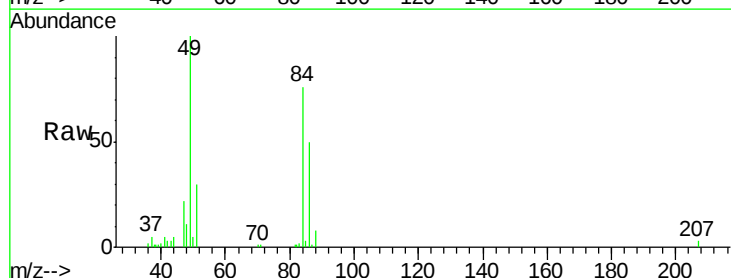
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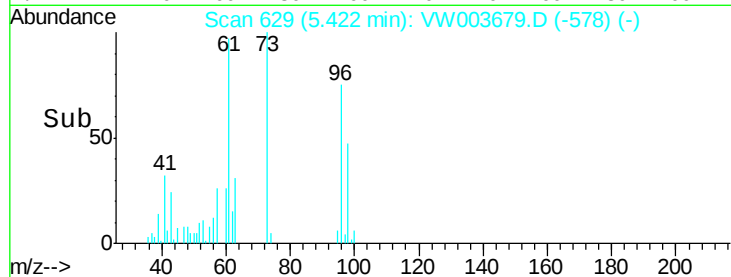
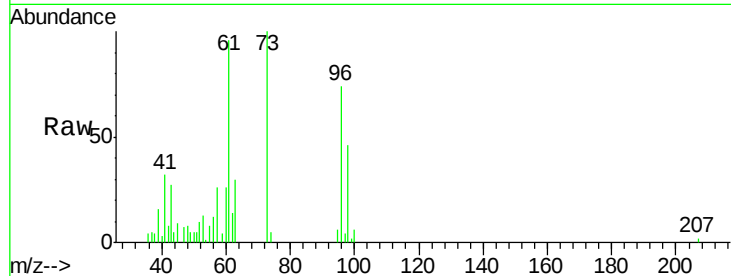
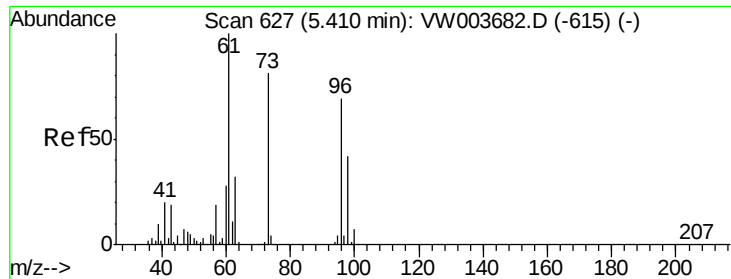
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#20
Methylene Chloride
Concen: 9.39 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 84 Resp: 25363
Ion Ratio Lower Upper
84 100
49 131.9 104.6 156.8
51 39.8 33.2 49.8
86 66.4 51.7 77.5





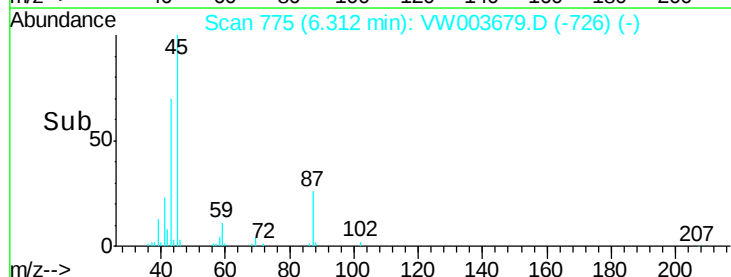
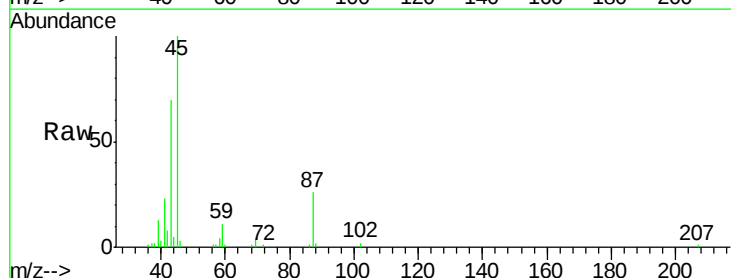
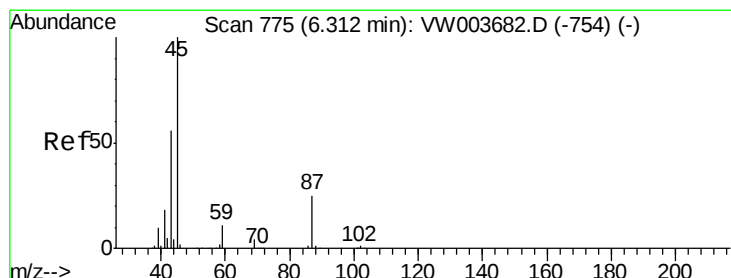
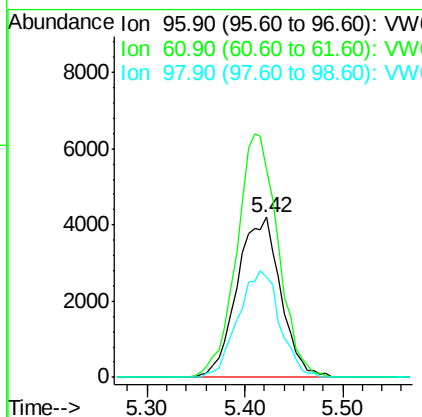
#21
trans-1,2-Dichloroethene
Concen: 5.42 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	116.8	175.2
98	62.6	49.6	74.4

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

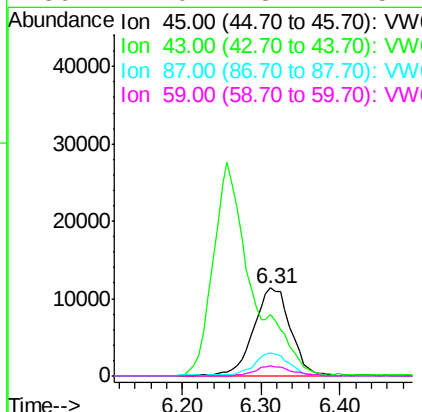
Manual Integrations
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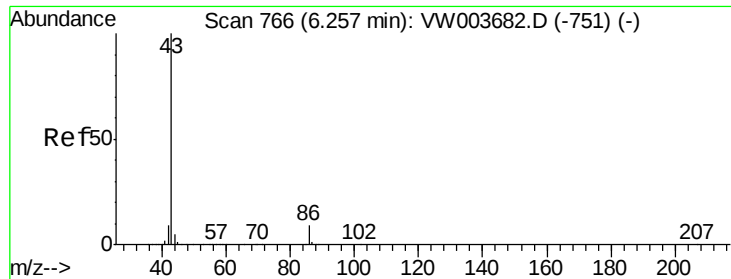
apatel
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#22
Diisopropyl ether
Concen: 4.88 ug/l
RT: 6.31 min Scan# 775
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	44.5	66.7#
87	25.5	20.2	30.4
59	11.0	8.7	13.1





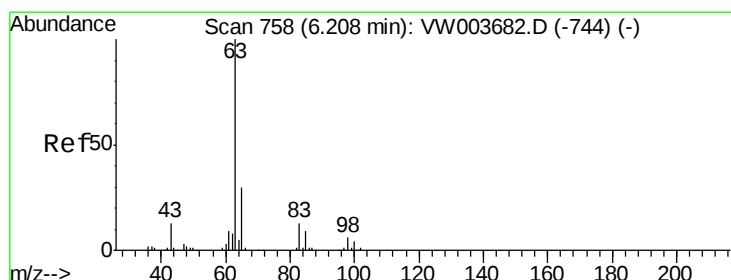
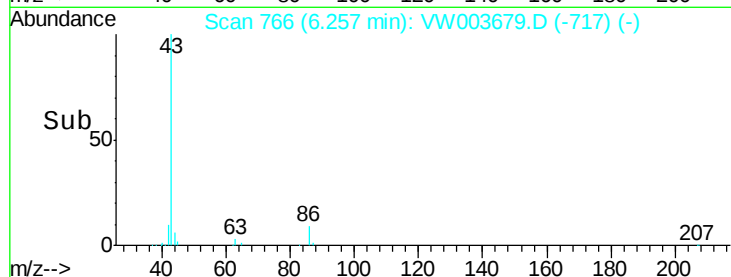
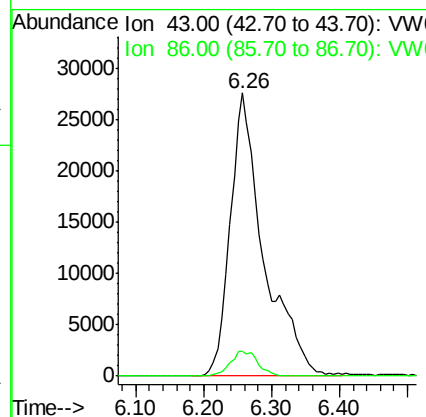
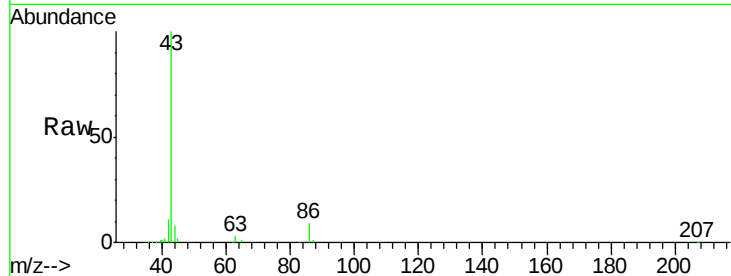
#23
 Vinyl Acetate
 Concen: 21.37 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	94880
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	7.5	11.3

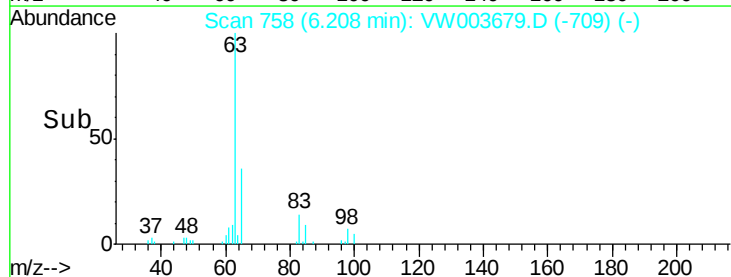
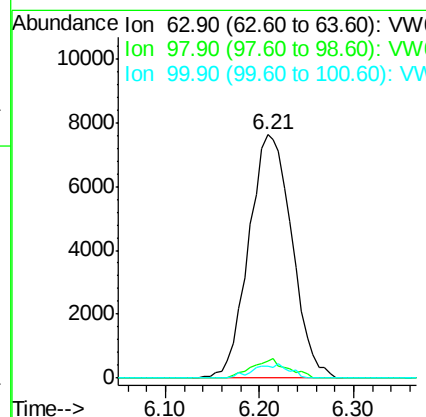
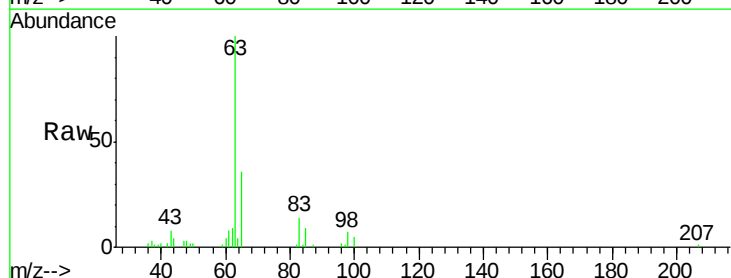
Manual Integrations
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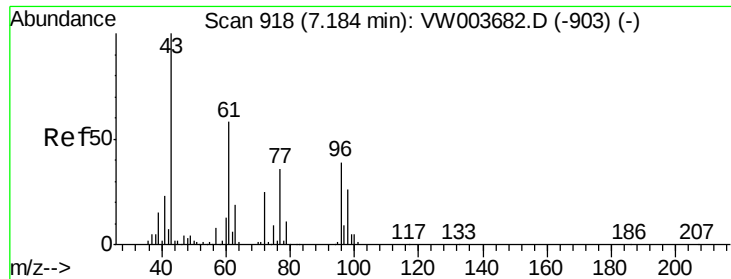
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#24
 1,1-Dichloroethane
 Concen: 5.40 ug/l
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	63	Resp	24348
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	2.9	8.6
100	4.8	1.9	5.7





#25

2-Butanone

Concen: 31.14 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 21701

Ion Ratio Lower Upper

43 100

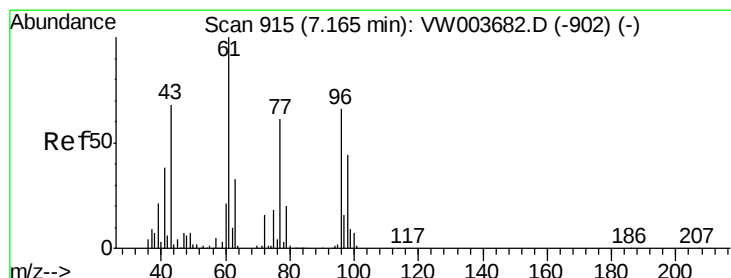
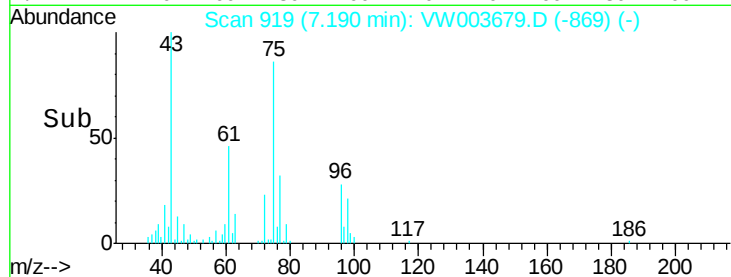
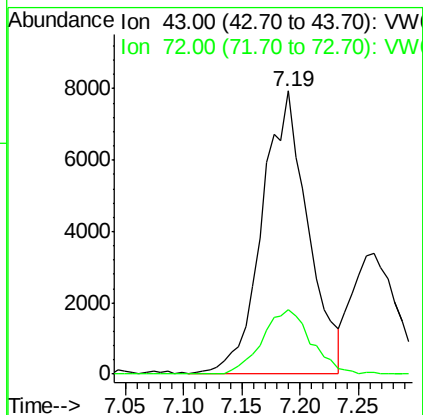
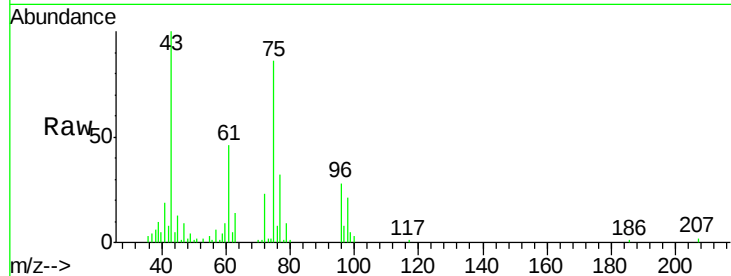
72 22.6 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.79 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003679.D

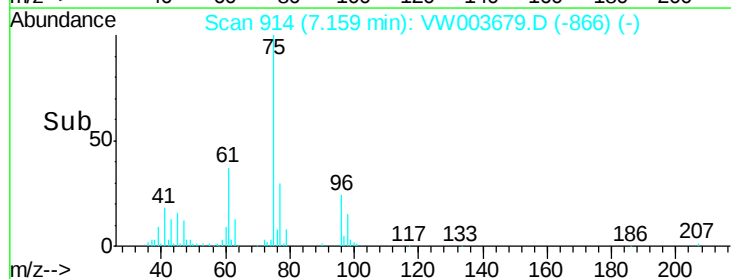
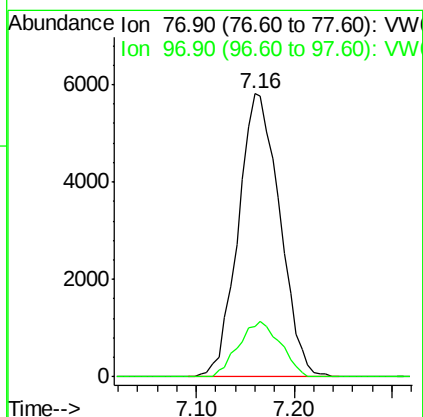
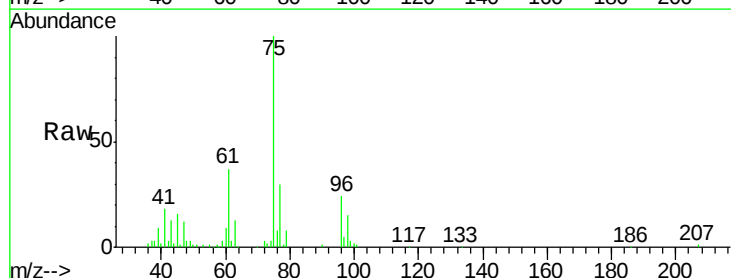
Acq: 02 Jul 2018 16:32

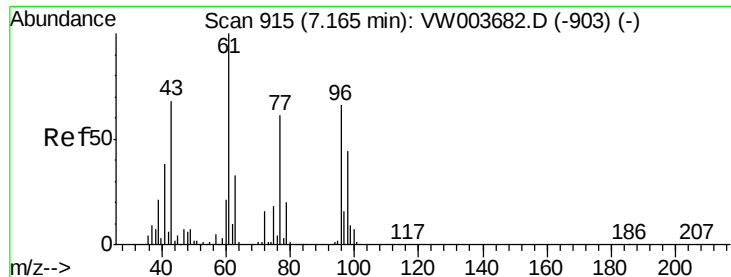
Tgt Ion: 77 Resp: 17110

Ion Ratio Lower Upper

77 100

97 19.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 5.25 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

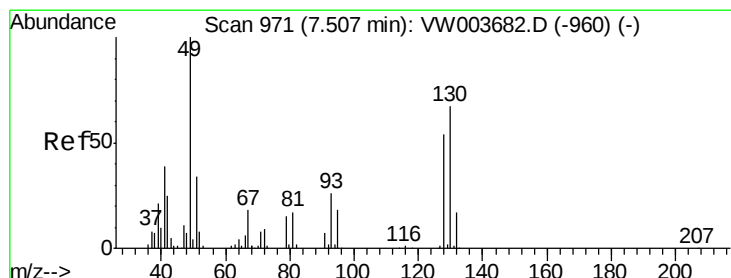
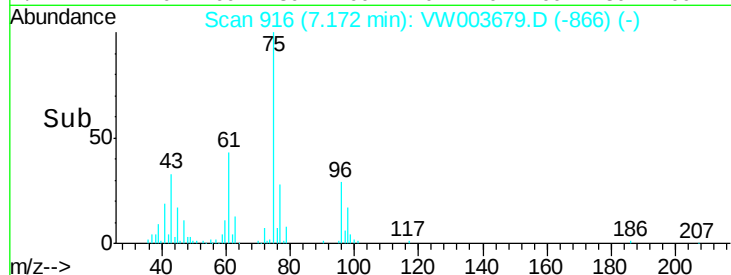
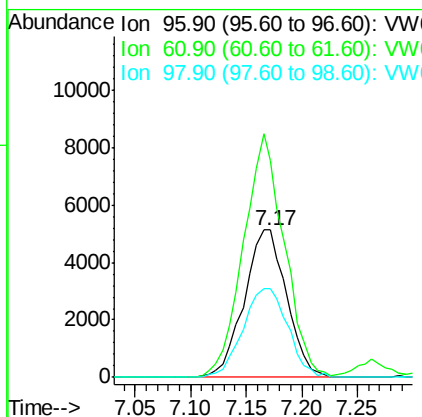
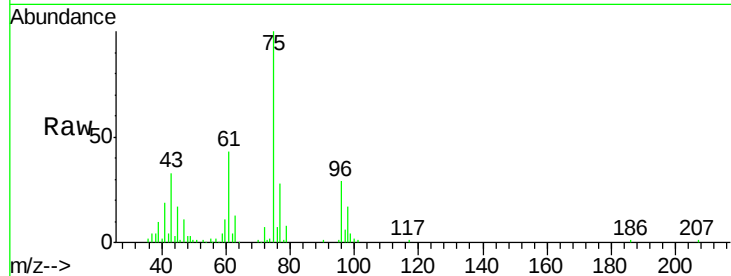
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	13619
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	305.0
98	63.8	0.0	129.6

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#28

Bromochloromethane

Concen: 5.35 ug/l

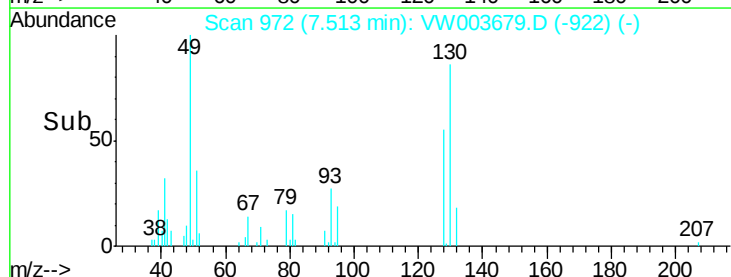
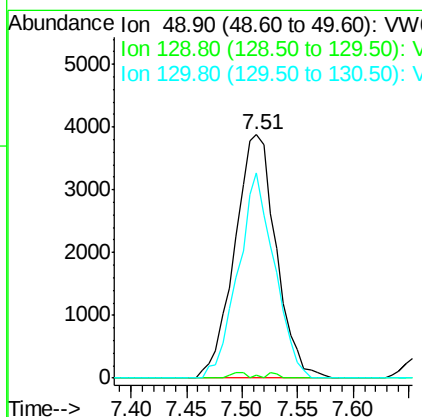
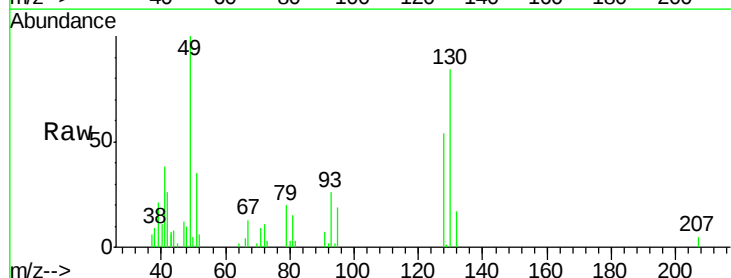
RT: 7.51 min Scan# 972

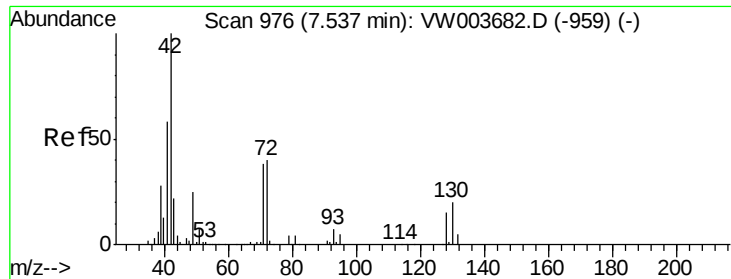
Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	49	Resp:	10021
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.0
130	74.0	57.0	85.6





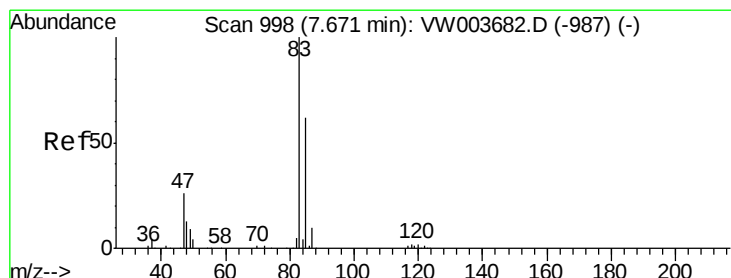
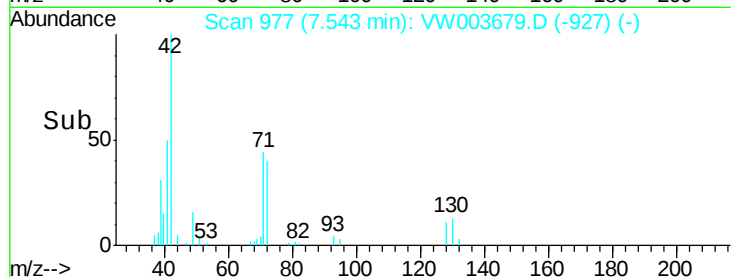
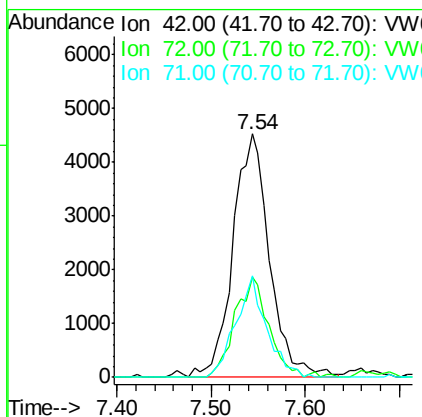
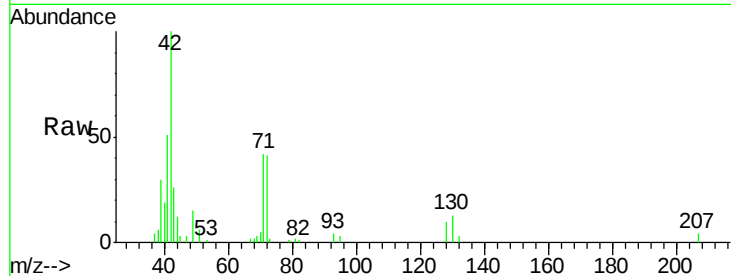
#29
Tetrahydrofuran
Concen: 28.74 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	32.0	48.0
71	35.1	30.2	45.2

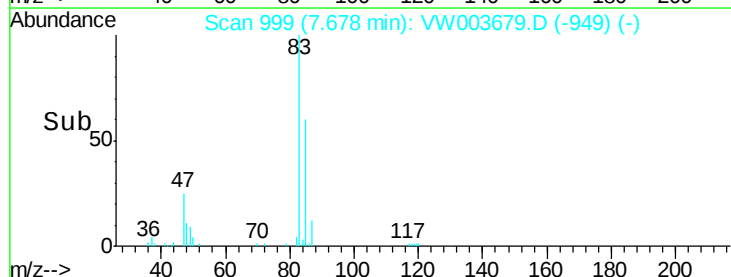
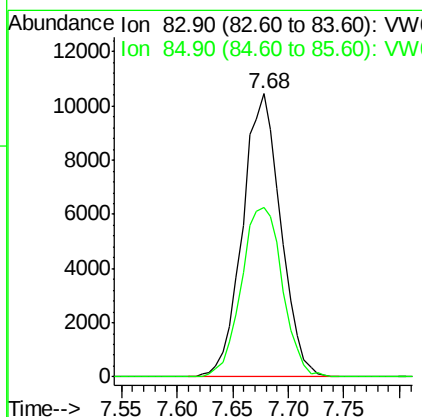
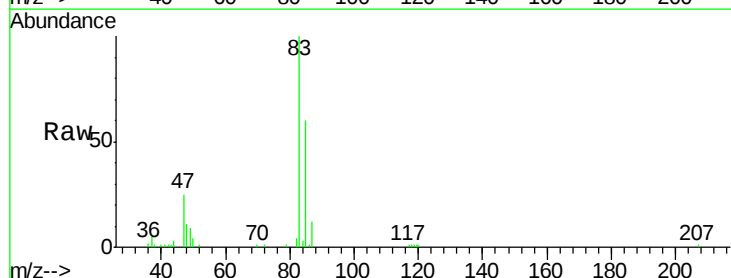
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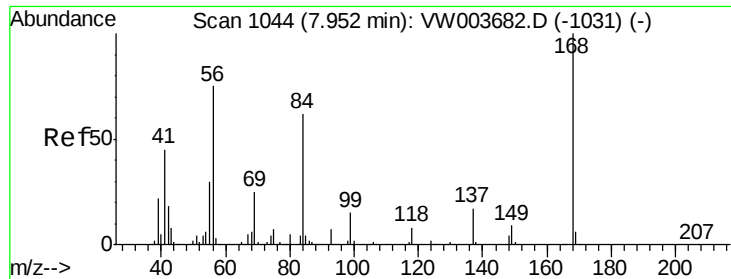
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#30
Chloroform
Concen: 5.44 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	49.7	74.5





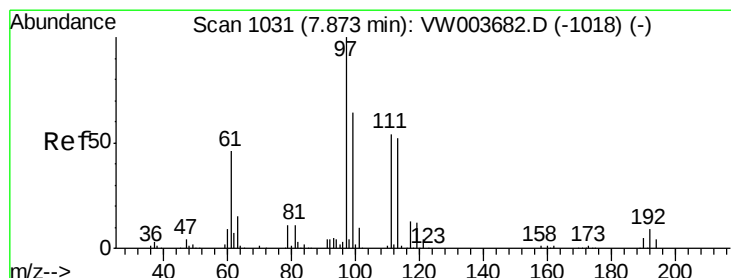
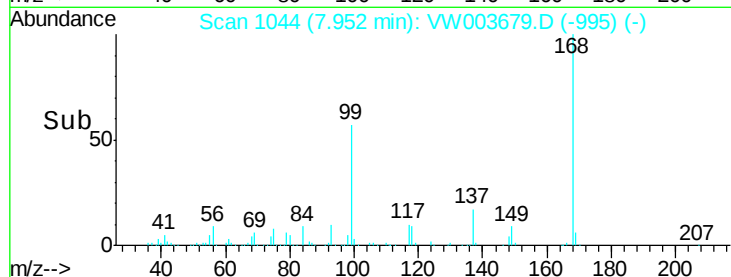
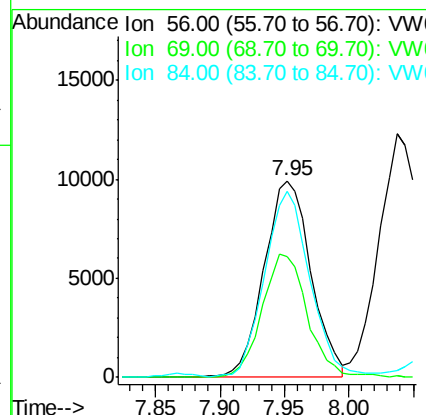
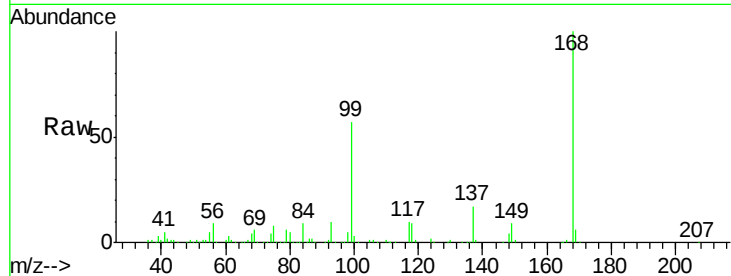
#31
Cyclohexane
Concen: 5.93 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.6	27.0	40.4#
84	93.3	65.4	98.0

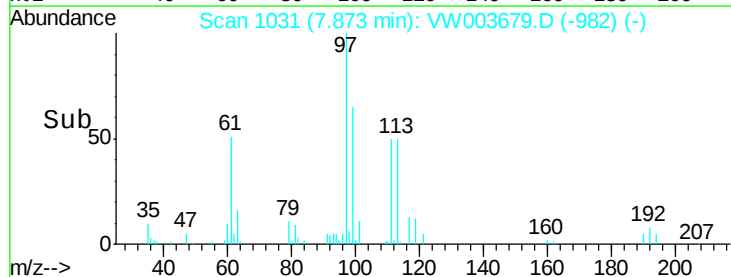
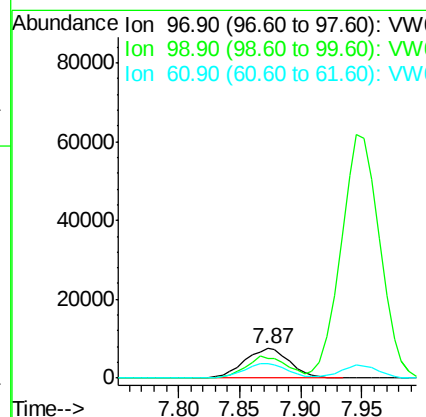
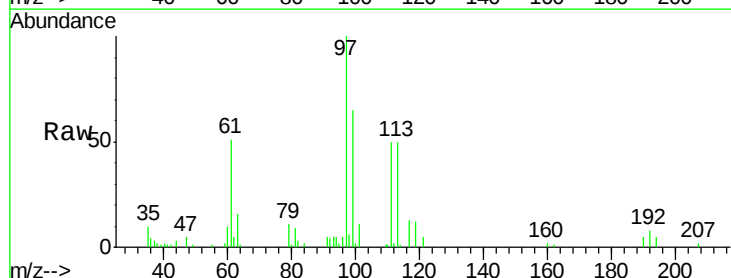
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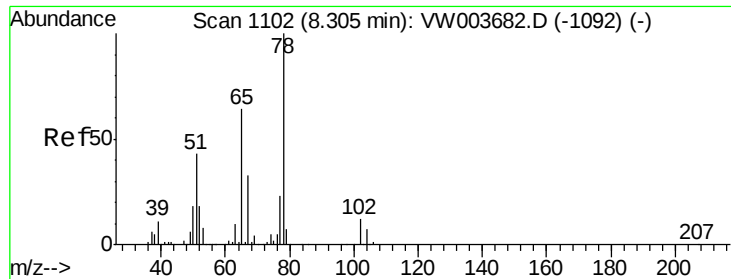
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#32
1,1,1-Trichloroethane
Concen: 5.11 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	50.6	76.0
61	48.8	37.2	55.8





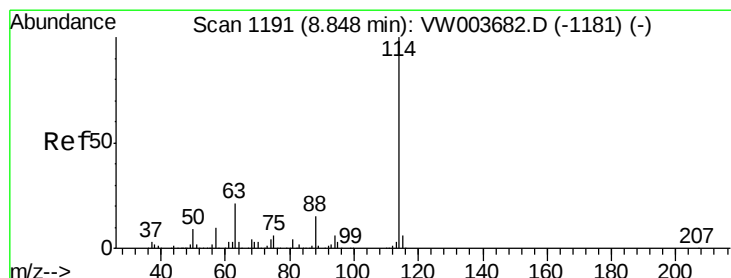
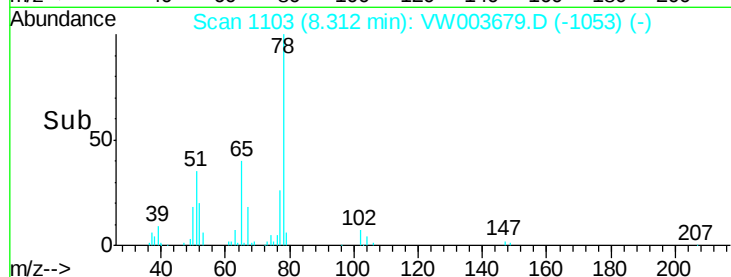
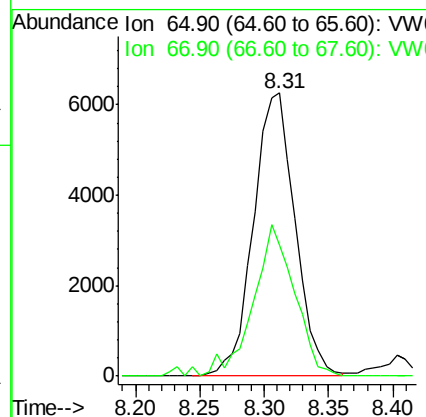
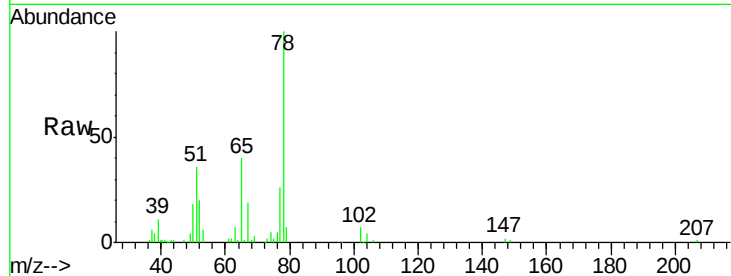
#33
 1,2-Dichloroethane-d4
 Concen: 5.35 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	13987		
67	52.8	0.0	104.0	

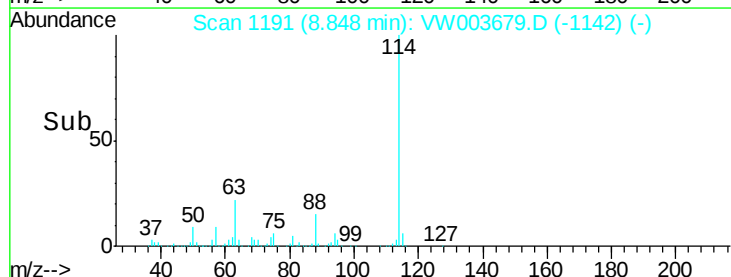
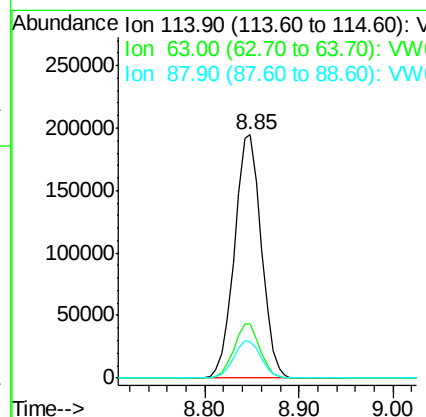
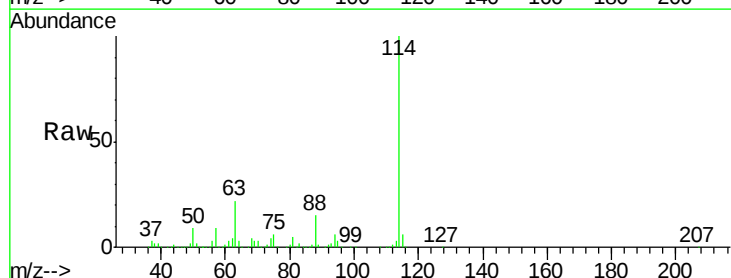
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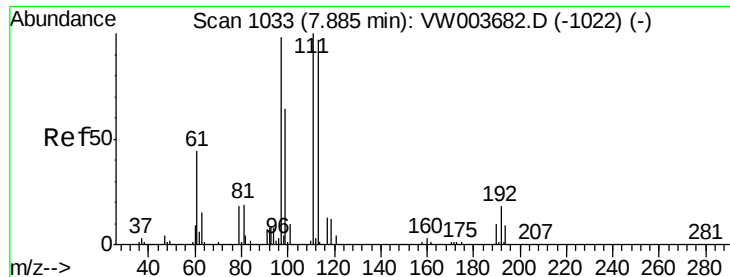
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	382975		
63	22.1	0.0	41.6	
88	15.0	0.0	29.8	





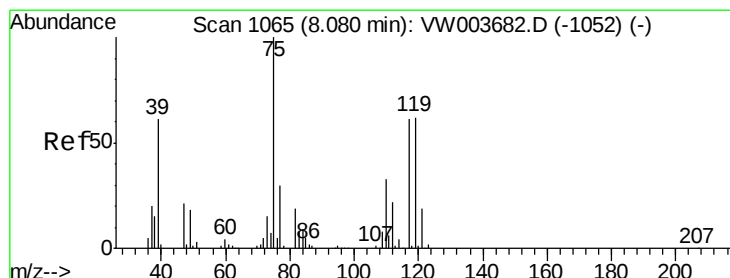
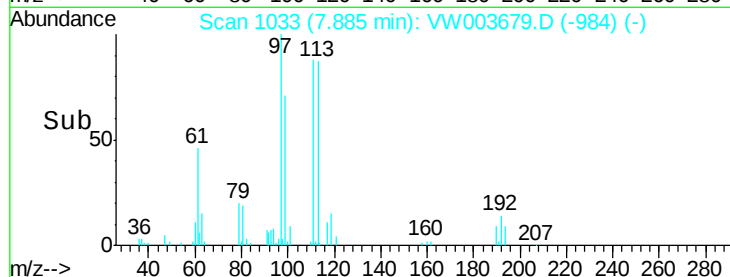
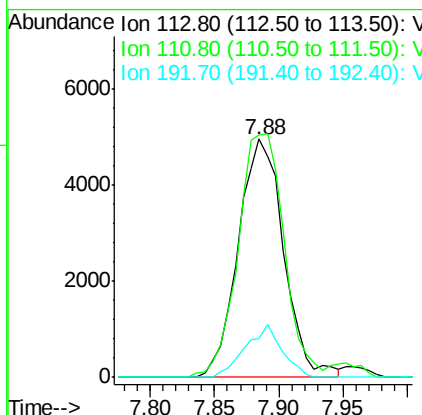
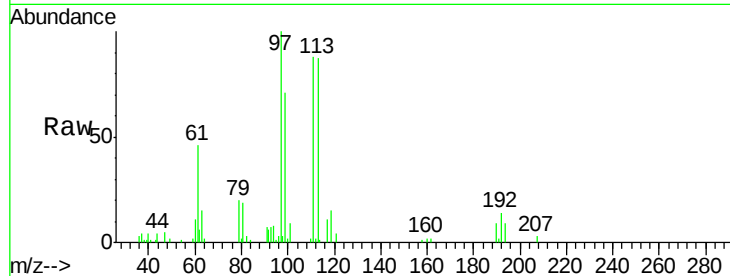
#35
Dibromofluoromethane
Concen: 5.01 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	12105		
111	103.4	82.4	123.6	
192	17.8	15.8	23.6	

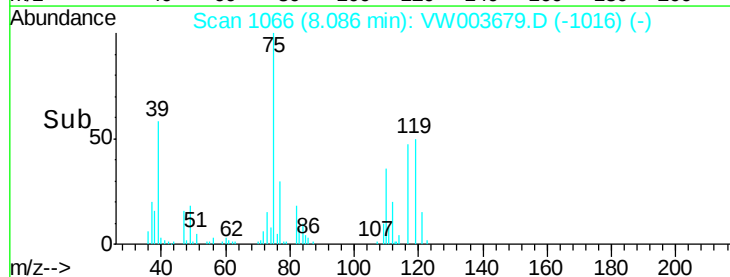
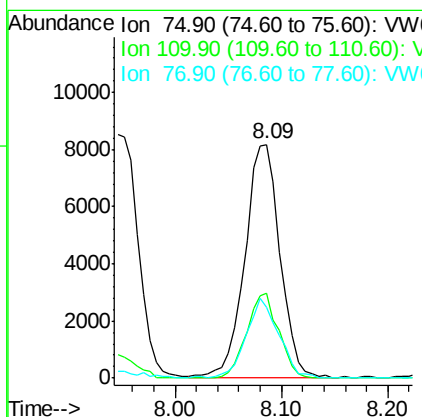
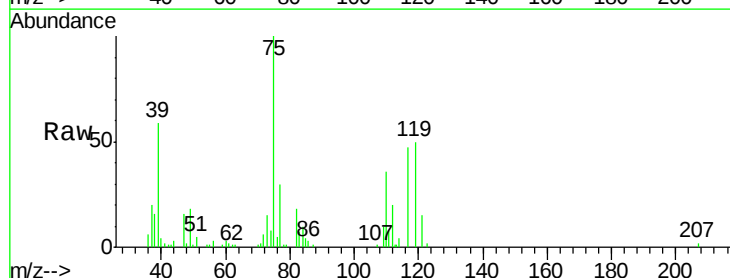
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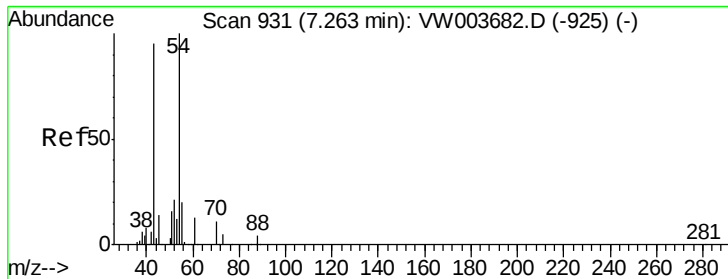
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#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 8.09 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19036		
110	33.0	16.9	50.6	
77	31.5	24.9	37.3	





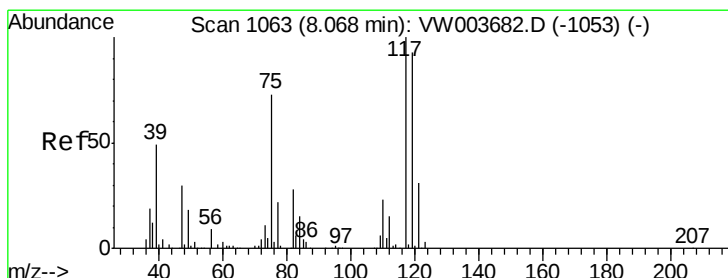
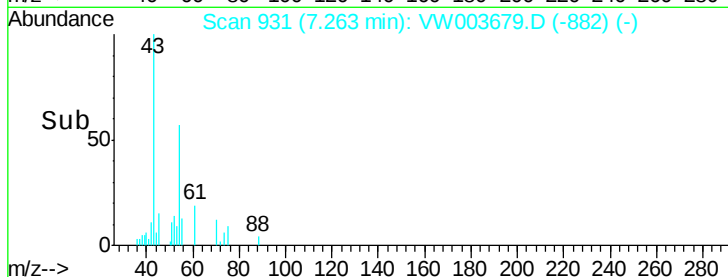
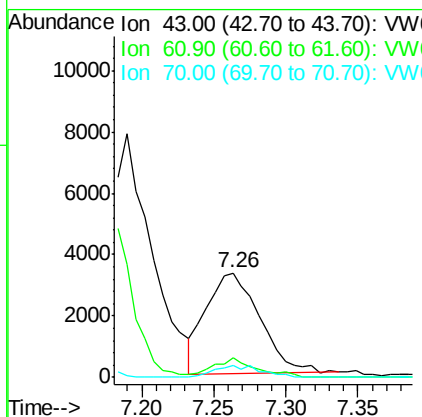
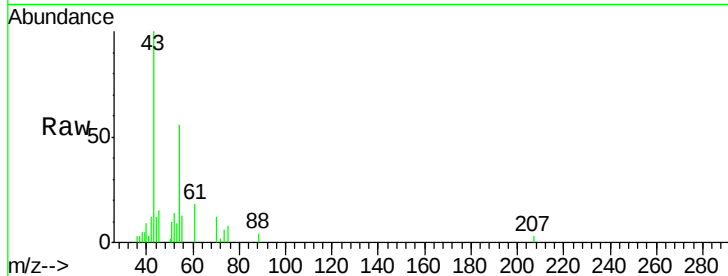
#37
Ethyl Acetate
Concen: 5.32 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.5	15.7
70	10.1	7.7	11.5

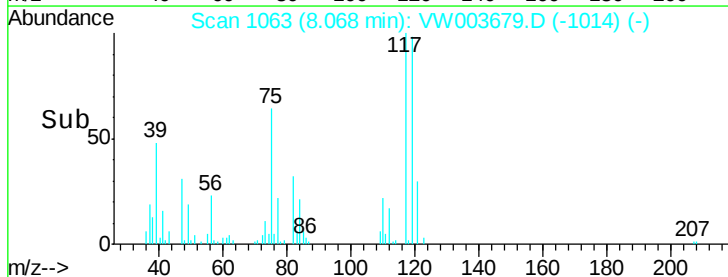
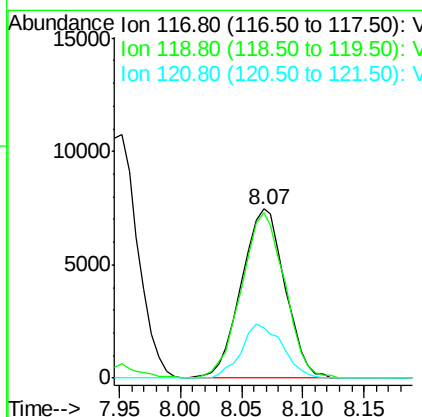
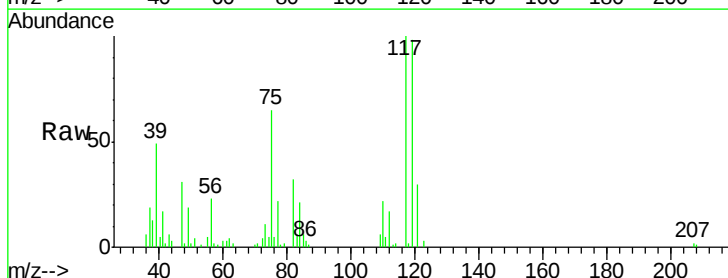
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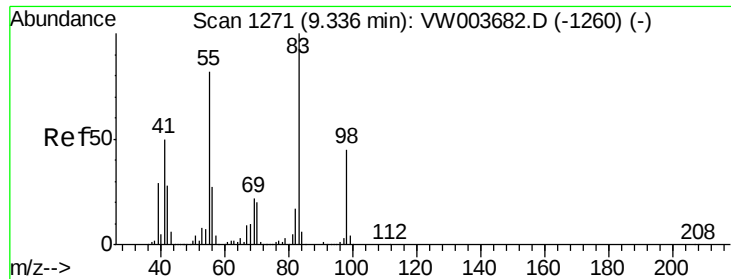
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#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.1	111.1
121	29.7	25.0	37.4





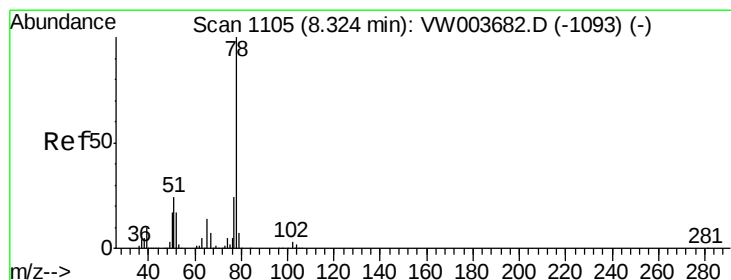
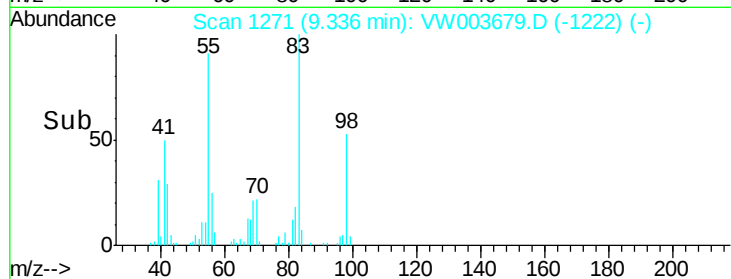
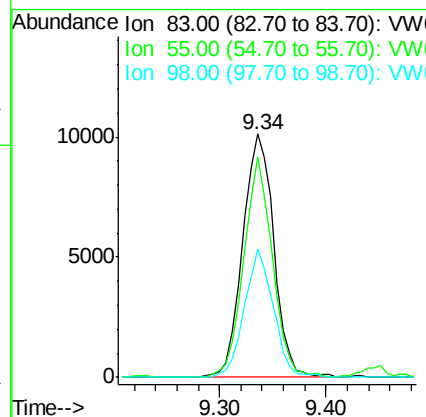
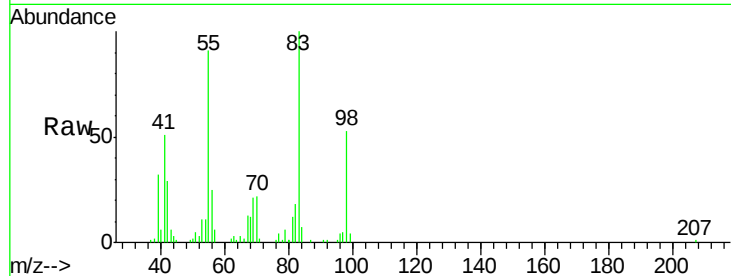
#39
Methvlcvclohexane
Concen: 4.75 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.5	65.3	97.9
98	53.0	36.3	54.5

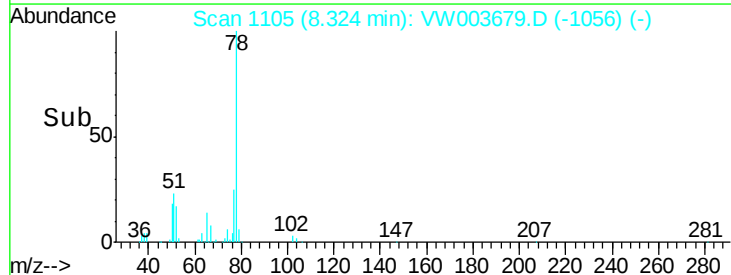
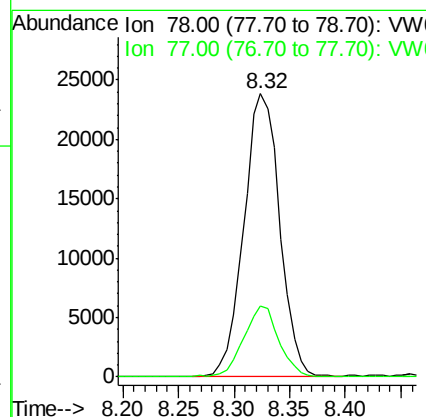
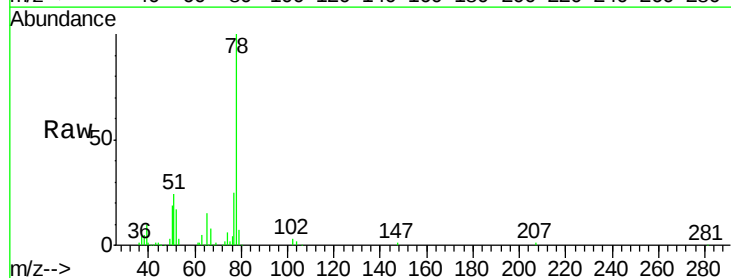
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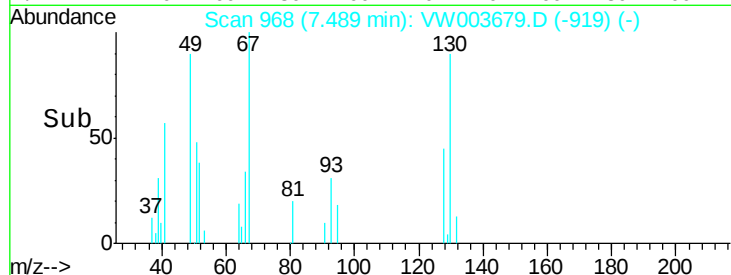
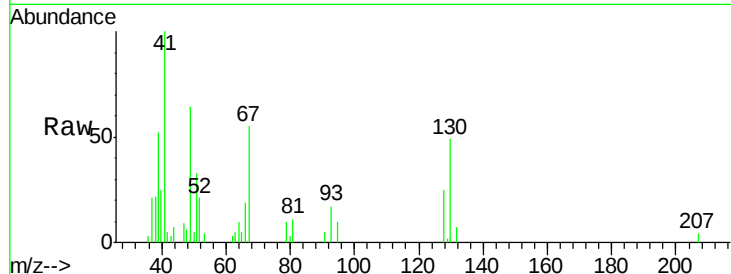
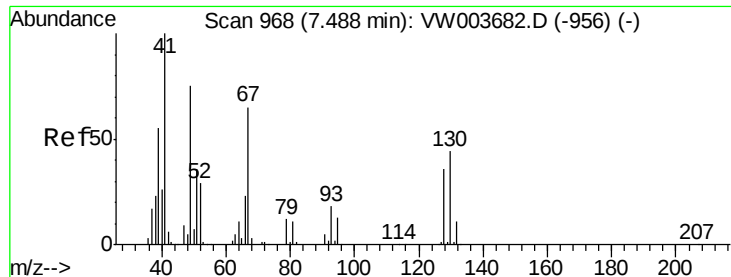
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#40
Benzene
Concen: 5.15 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

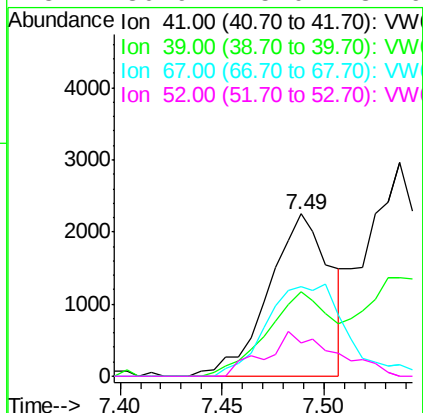
Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.4	29.0





#41
Methacrylonitrile
Concen: 4.88 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

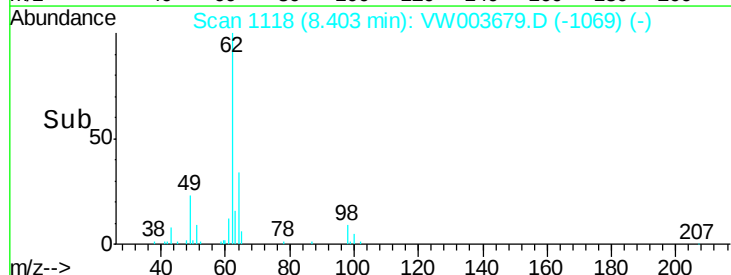
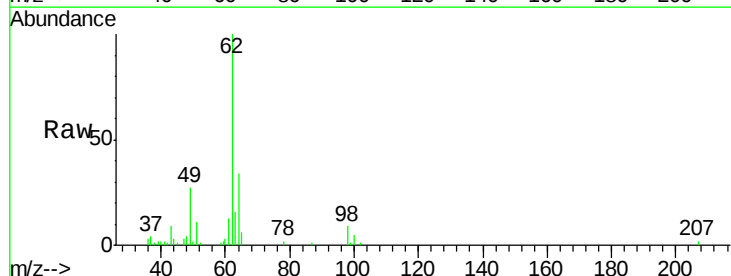
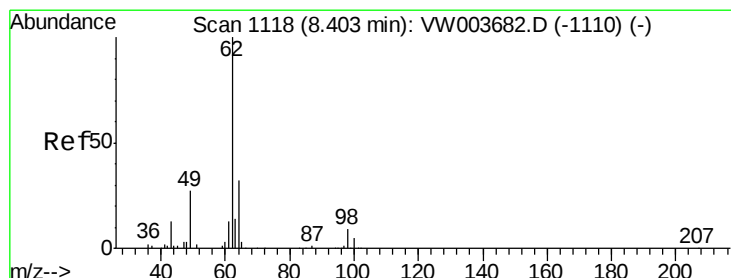
Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	47.8	71.8
67	72.6	53.9	80.9
52	30.9	25.0	37.6



Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

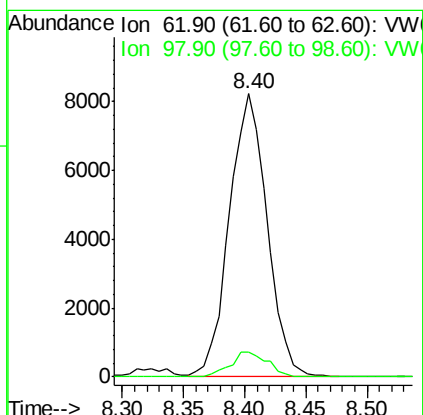
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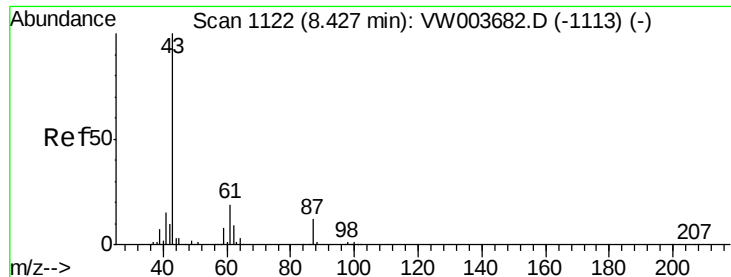
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#42
1,2-Dichloroethane
Concen: 5.41 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 5.21 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

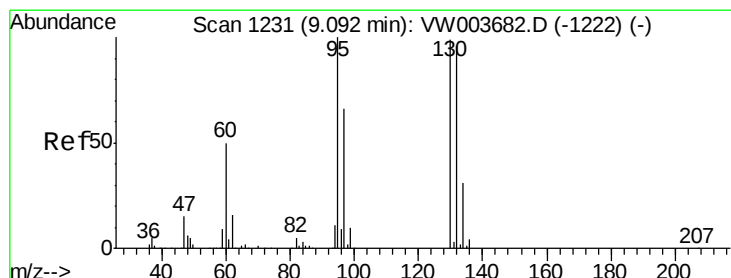
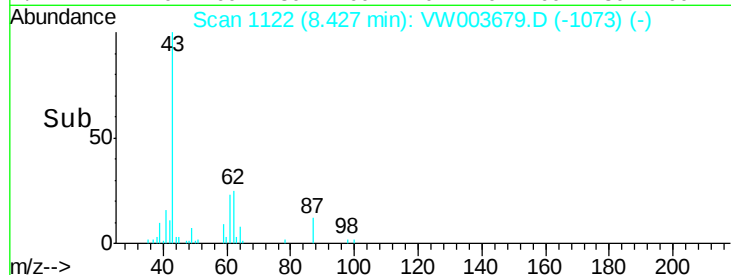
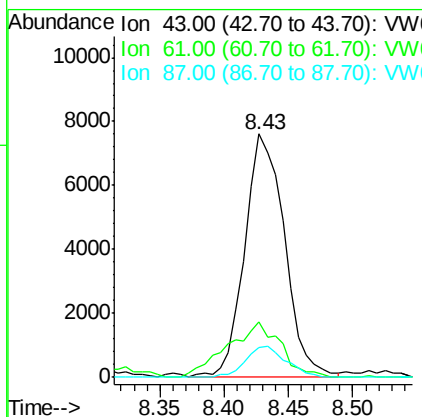
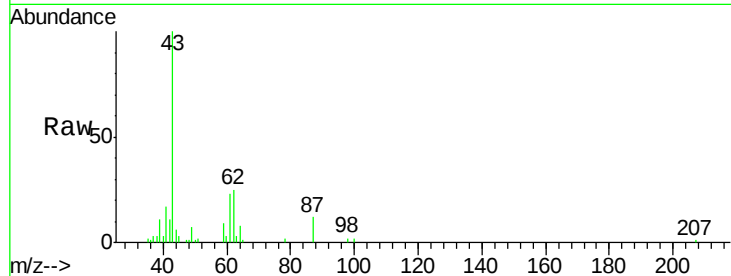
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	16337
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.0	34.6
87	12.8	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 5.29 ug/l

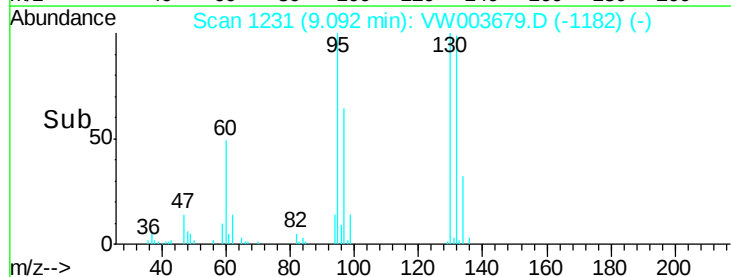
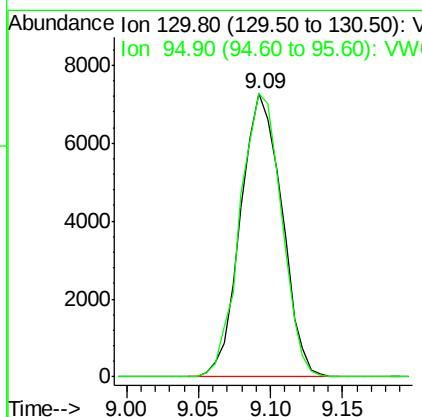
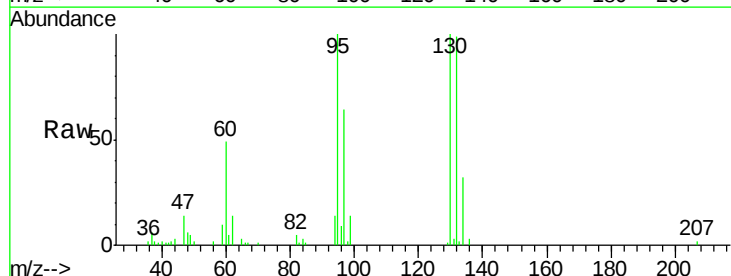
RT: 9.09 min Scan# 1231

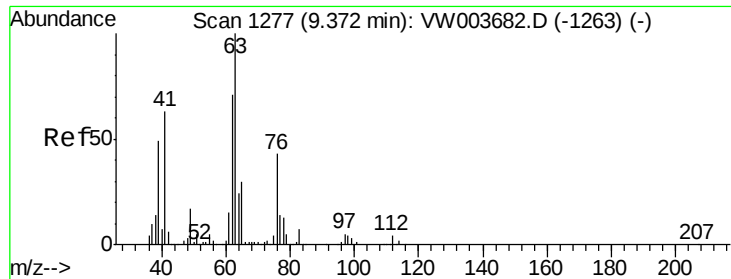
Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	130	Resp:	14444
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	202.6





#45

1,2-Dichloropropane

Concen: 5.29 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 13978

Ion Ratio Lower Upper

63 100

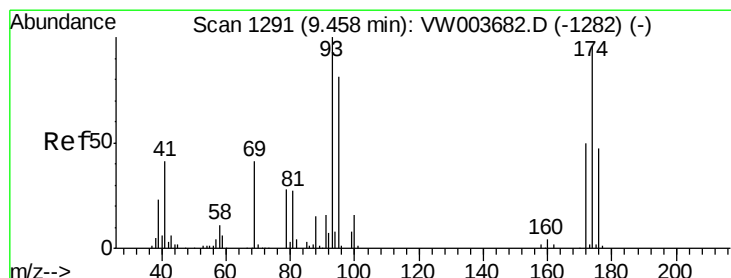
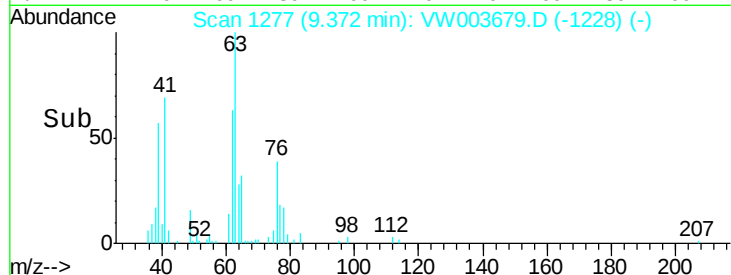
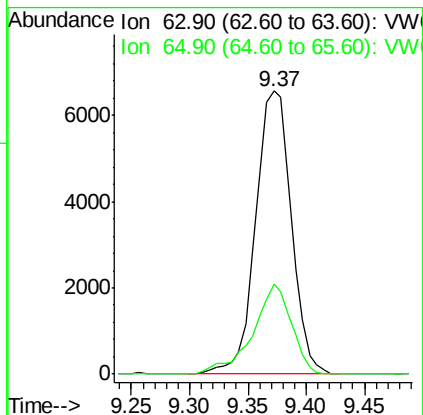
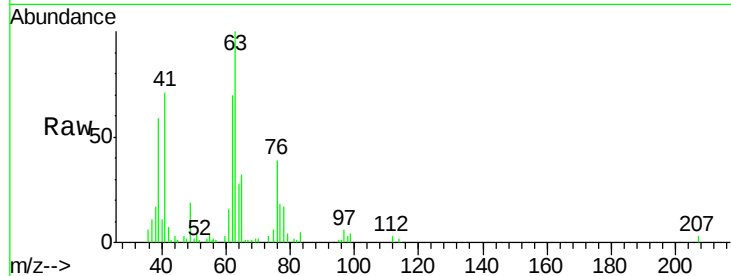
65 31.9 24.3 36.5

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#46

Dibromomethane

Concen: 5.27 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

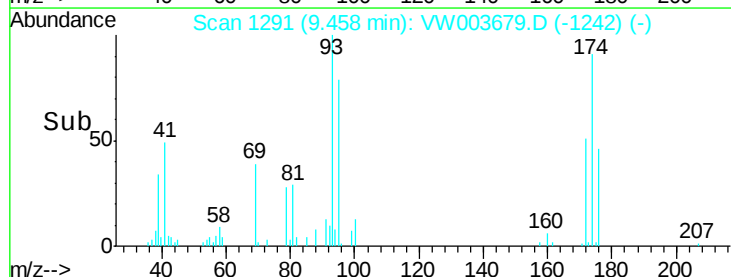
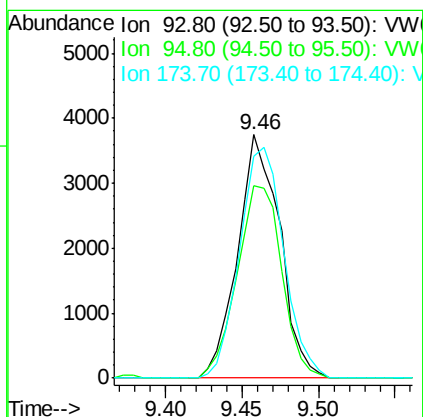
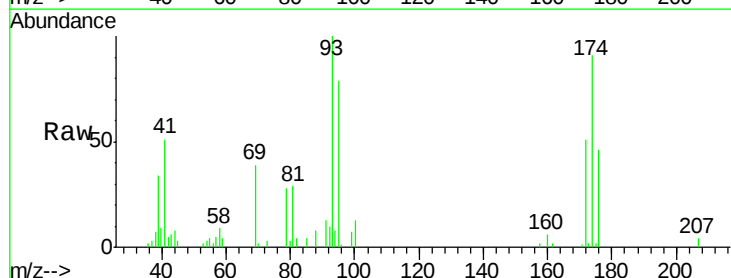
Tgt Ion: 93 Resp: 7162

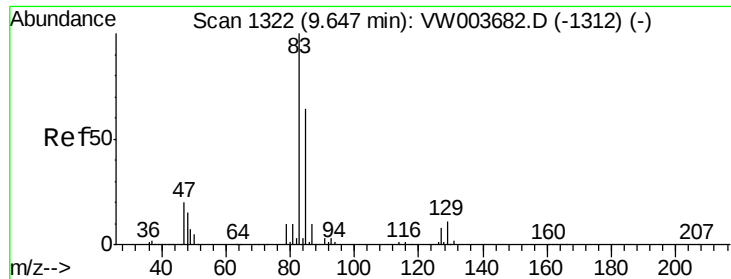
Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 99.7 79.6 119.4





#47

Bromodichloromethane

Concen: 5.05 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

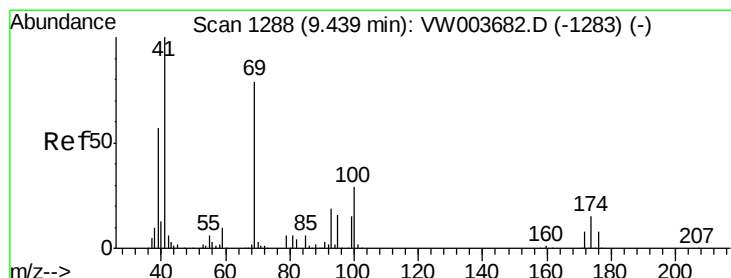
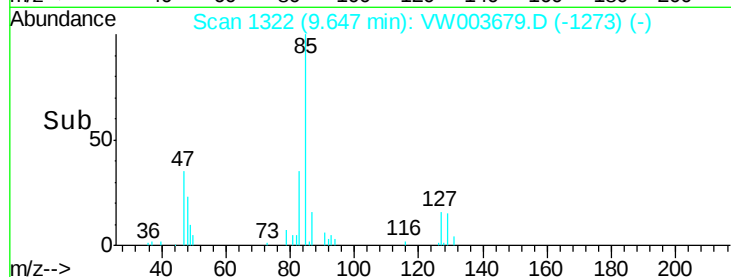
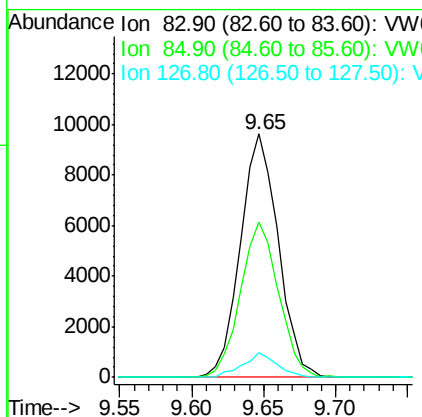
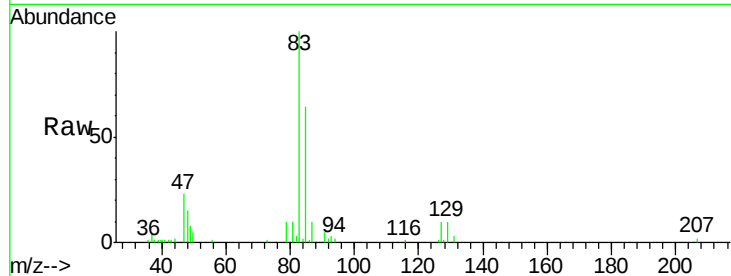
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17517
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.1	76.7
127	10.2	6.5	9.7#

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#48

Methyl methacrylate

Concen: 4.81 ug/l

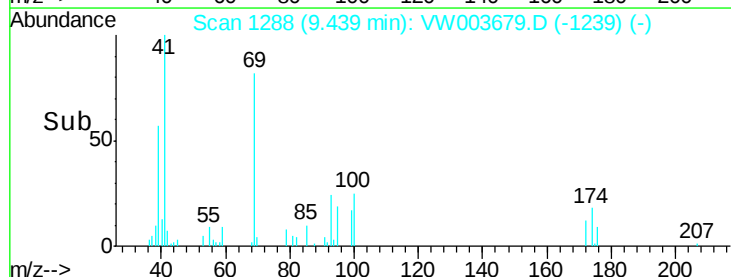
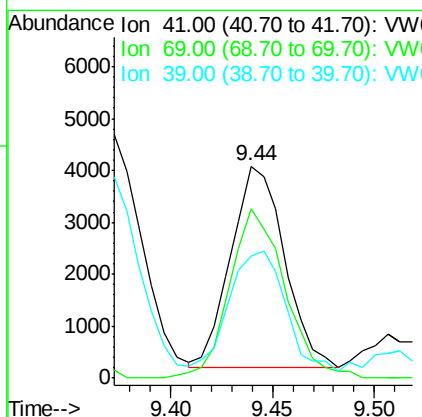
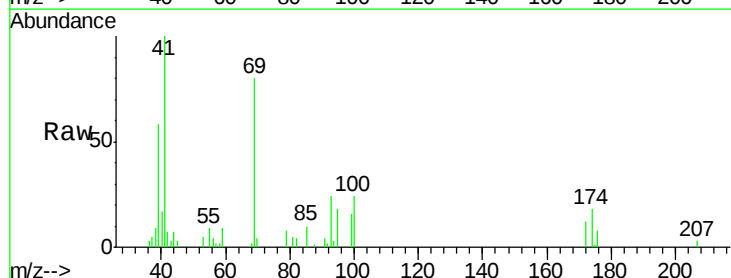
RT: 9.44 min Scan# 1288

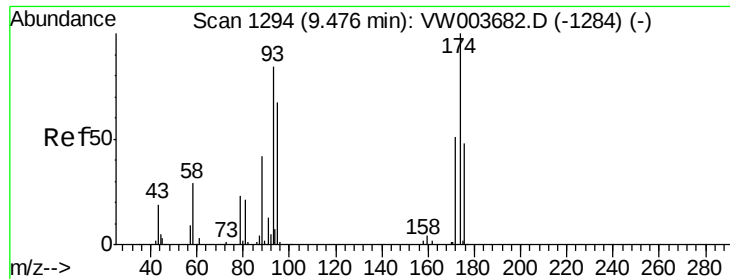
Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	41	Resp:	7114
Ion Ratio	Lower	Upper	
41	100		
69	86.0	65.4	98.2
39	70.2	50.0	75.0





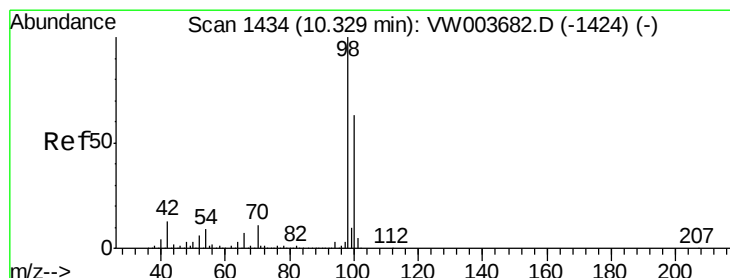
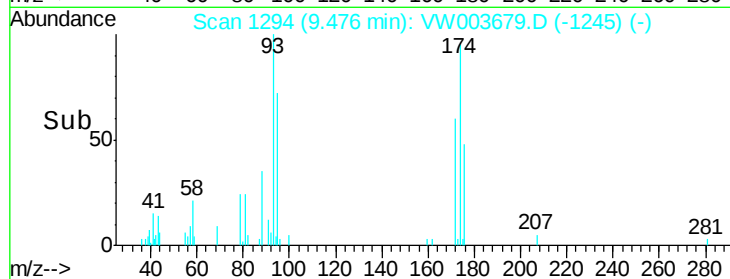
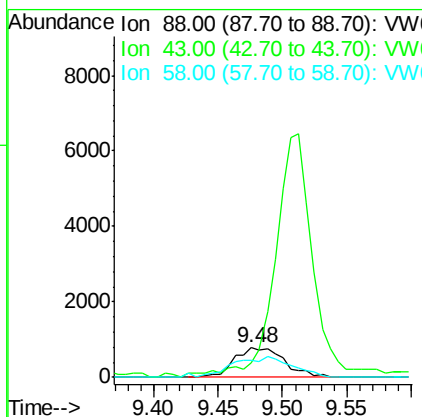
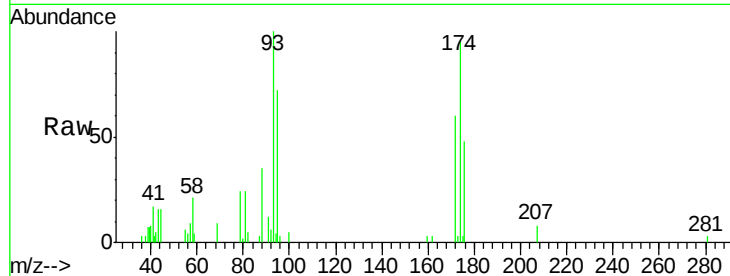
#49
 1,4-Dioxane
 Concen: 103.60 ug/l
 RT: 9.48 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.3	61.8	92.6

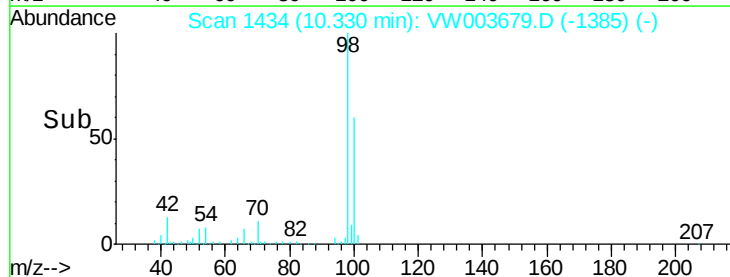
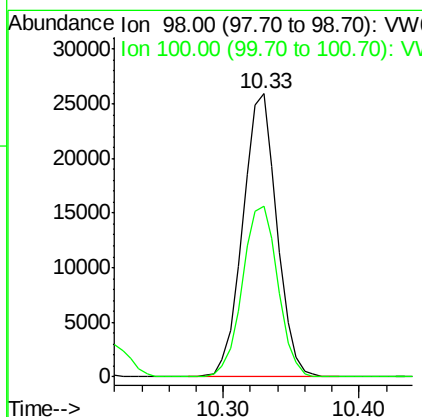
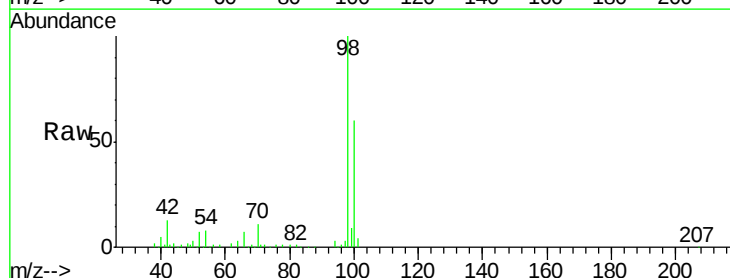
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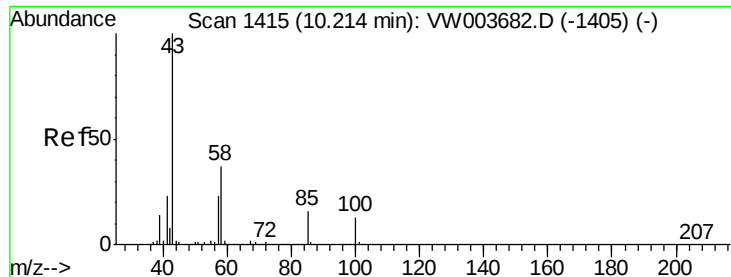
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#50
 Toluene-d8
 Concen: 4.73 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 25.68 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 41306

Ion Ratio Lower Upper

43 100

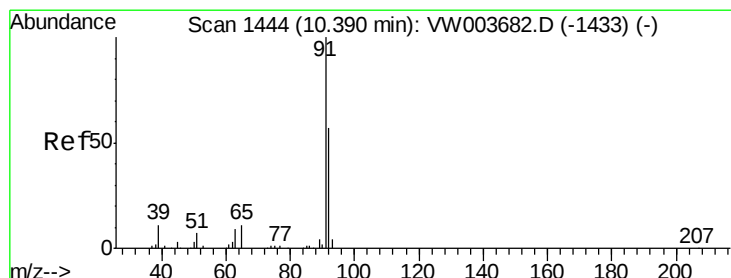
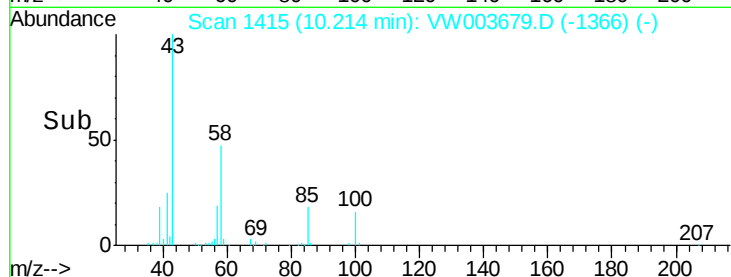
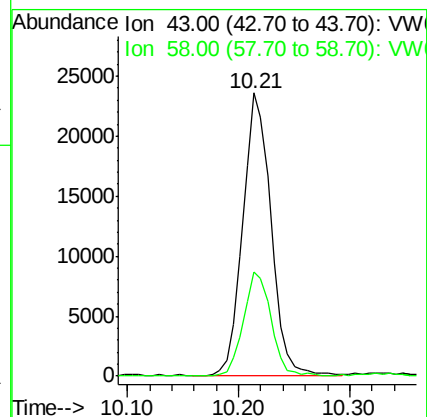
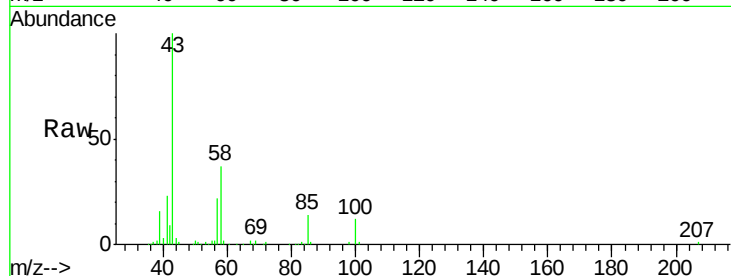
58 36.5 29.6 44.4

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#52

Toluene

Concen: 4.90 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003679.D

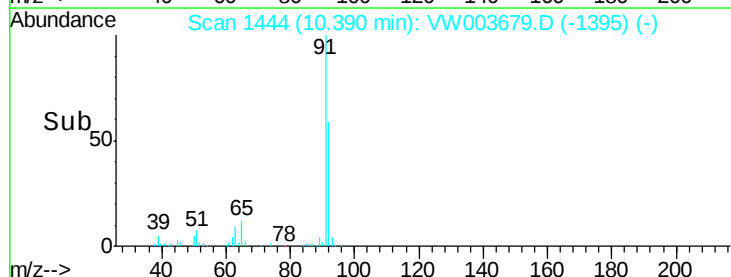
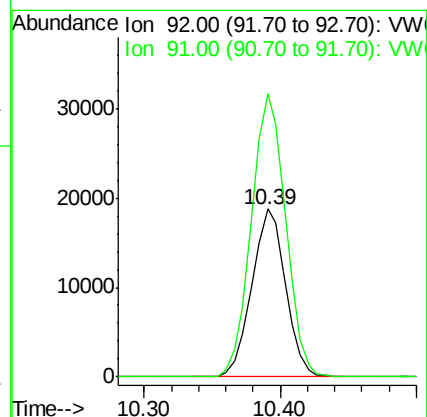
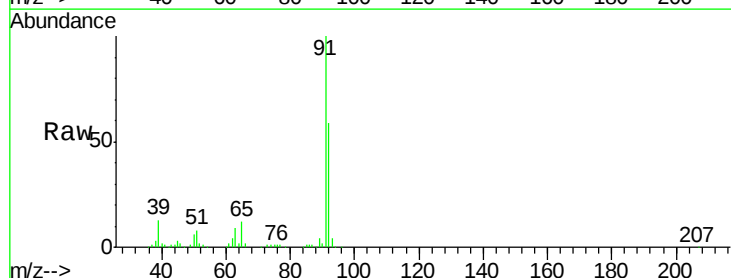
Acq: 02 Jul 2018 16:32

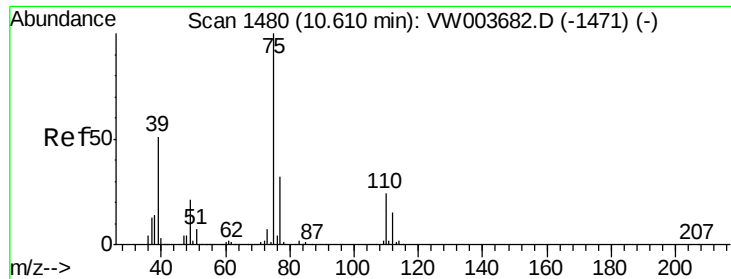
Tgt Ion: 92 Resp: 32592

Ion Ratio Lower Upper

92 100

91 171.5 140.2 210.2





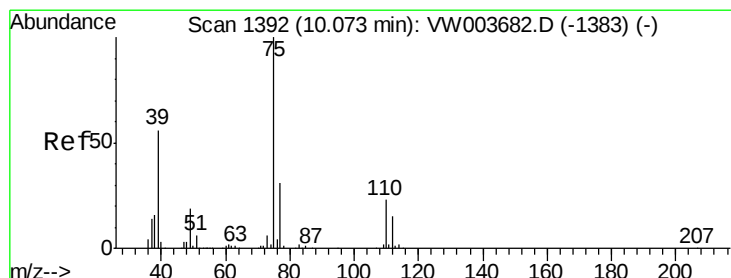
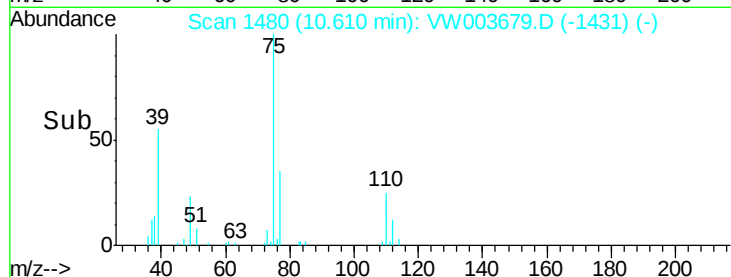
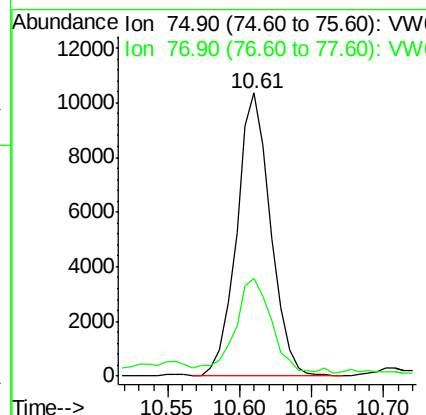
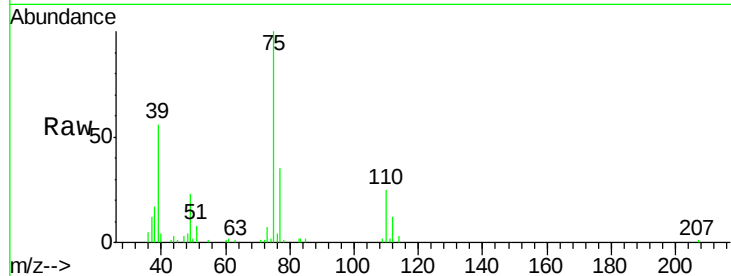
#53
t-1,3-Dichloropropene
Concen: 4.76 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 16883
Ion Ratio Lower Upper
75 100
77 33.2 25.5 38.3

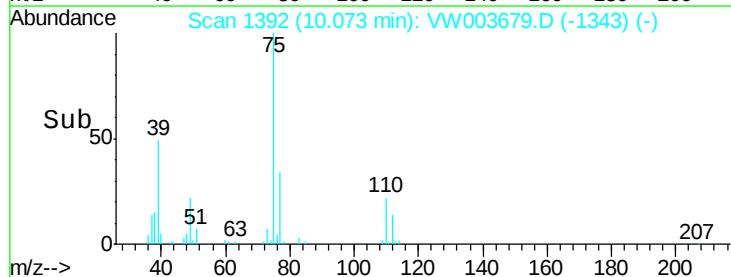
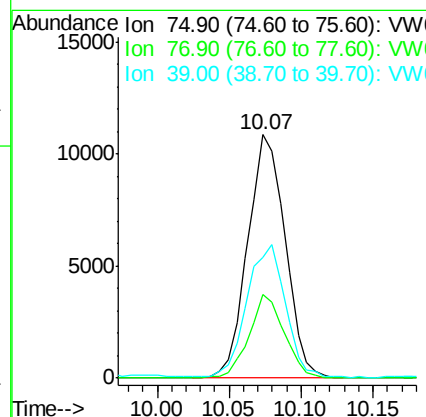
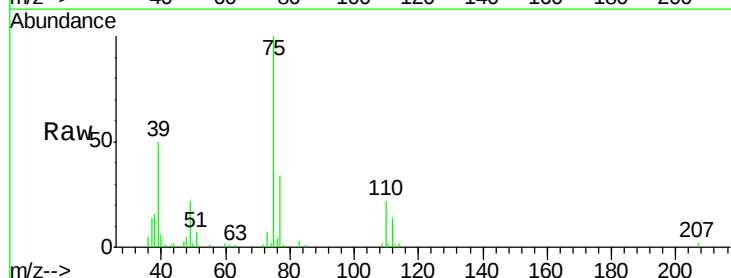
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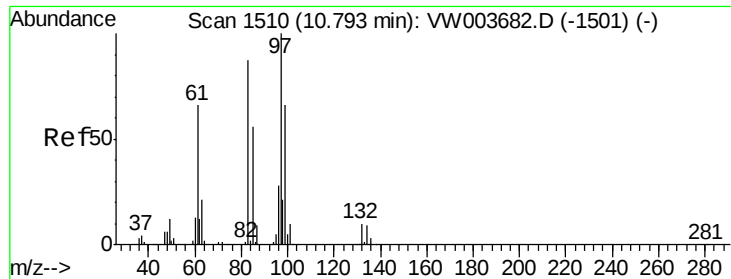
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#54
cis-1,3-Dichloropropene
Concen: 4.82 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 75 Resp: 19499
Ion Ratio Lower Upper
75 100
77 34.2 24.9 37.3
39 48.9 44.6 67.0





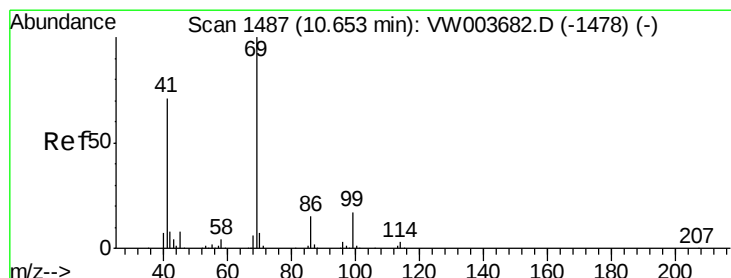
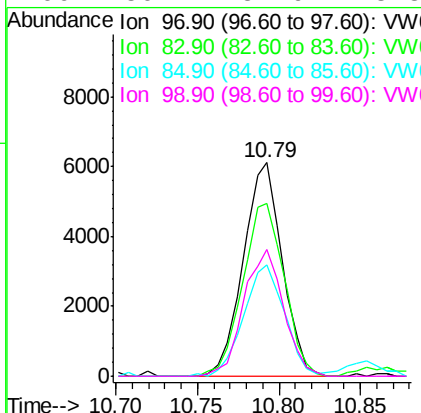
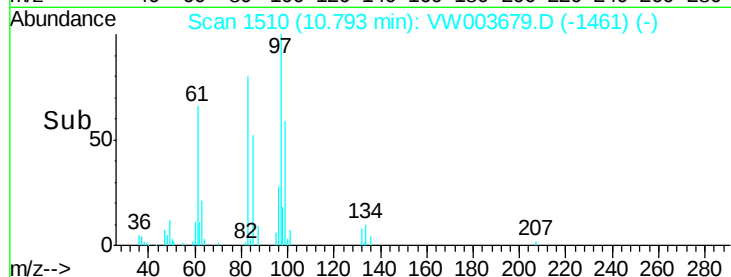
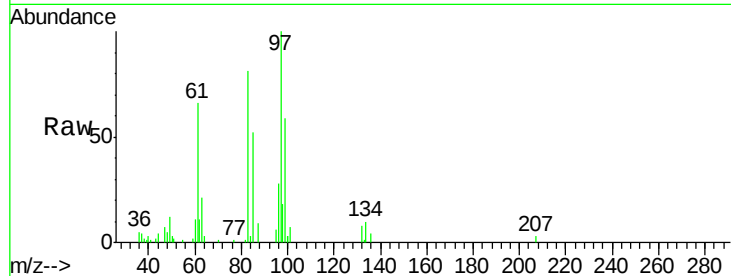
#55
 1,1,2-Trichloroethane
 Concen: 5.31 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10162
Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.5	104.3
85	52.4	44.7	67.1
99	59.1	52.6	78.8

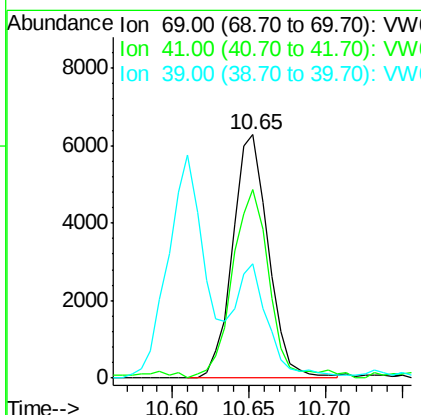
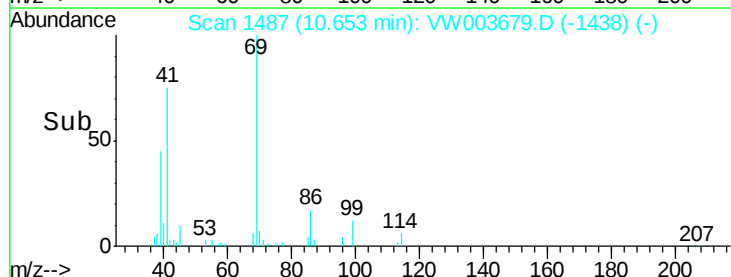
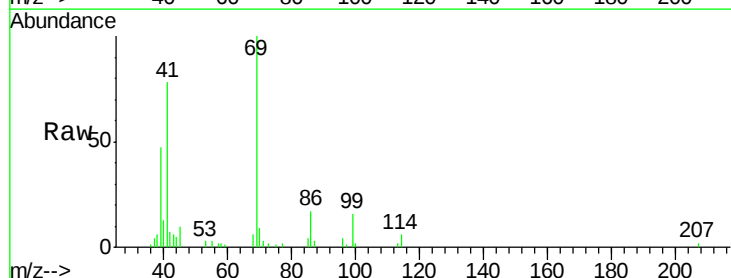
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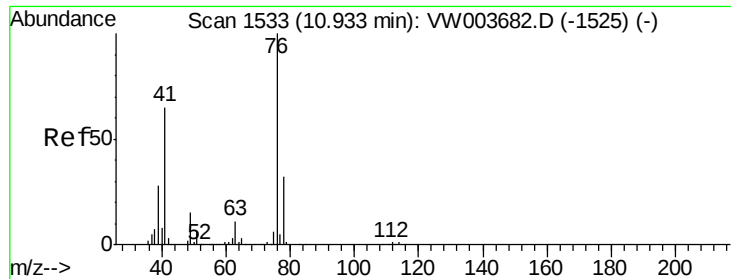
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#56
 Ethyl methacrylate
 Concen: 4.36 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion:	69	Resp:	10201
Ion	Ratio	Lower	Upper
69	100		
41	80.6	57.5	86.3
39	39.9	29.4	44.0





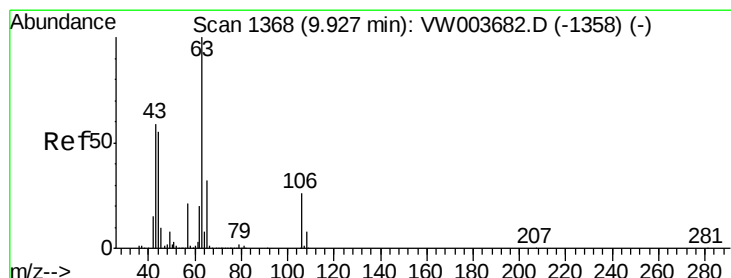
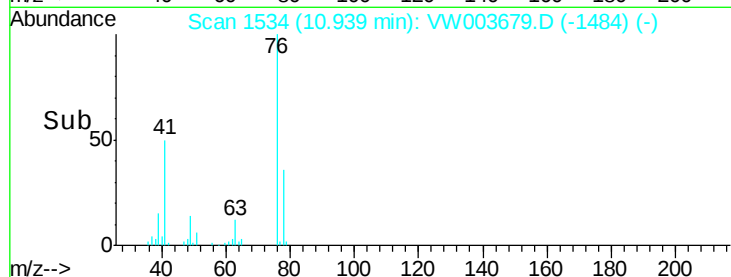
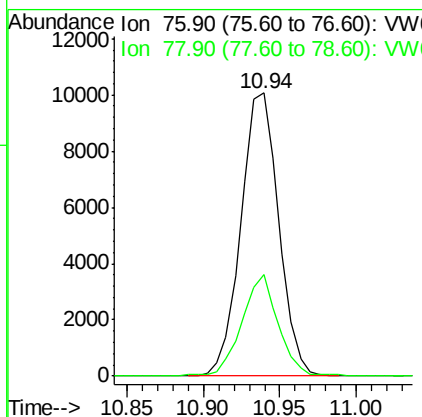
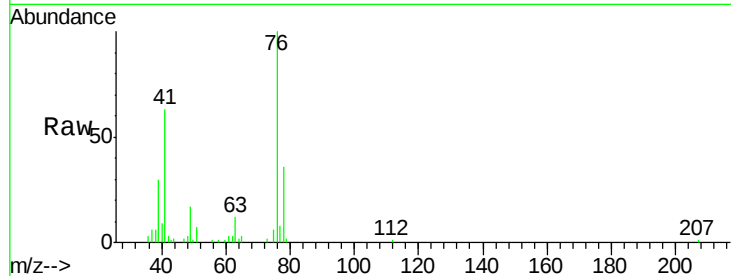
#57
 1,3-Dichloropropane
 Concen: 5.22 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 17289
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.6 38.4

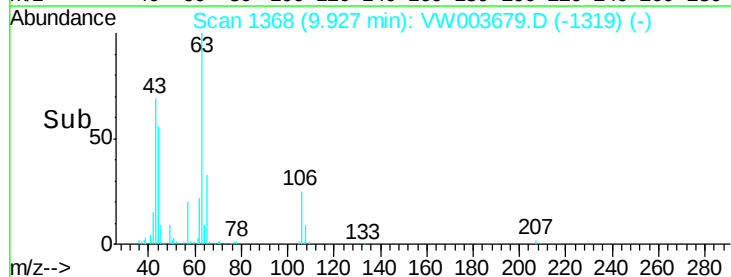
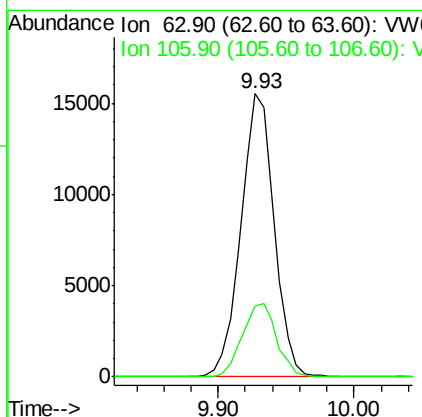
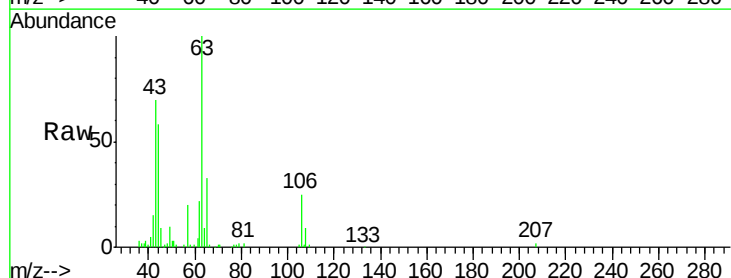
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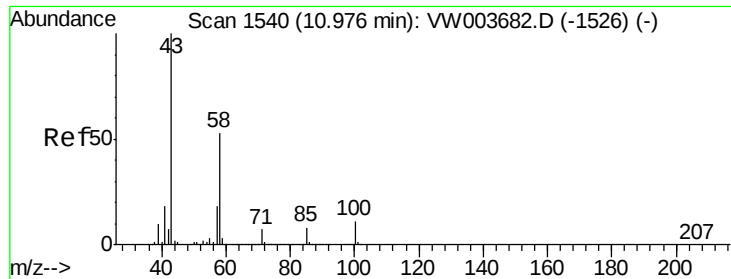
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#58
 2-Chloroethyl Vinyl ether
 Concen: 25.67 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 63 Resp: 26489
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.7 31.1





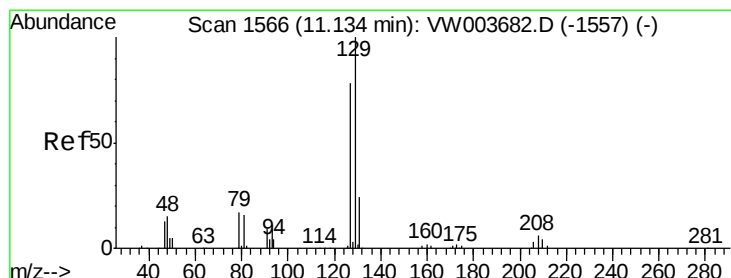
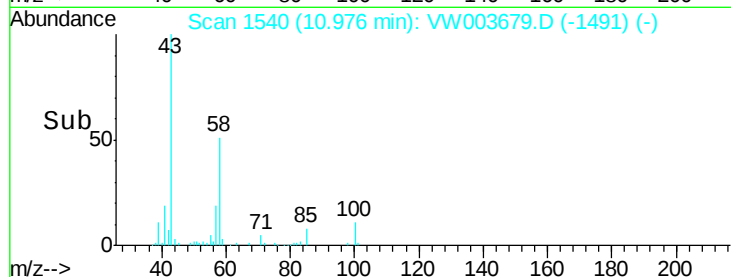
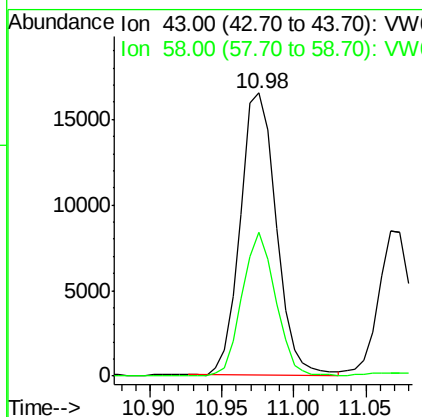
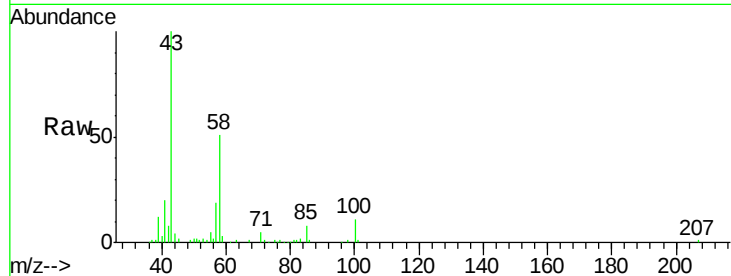
#59
2-Hexanone
Concen: 25.40 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 28598
Ion Ratio Lower Upper
43 100
58 47.7 25.9 77.6

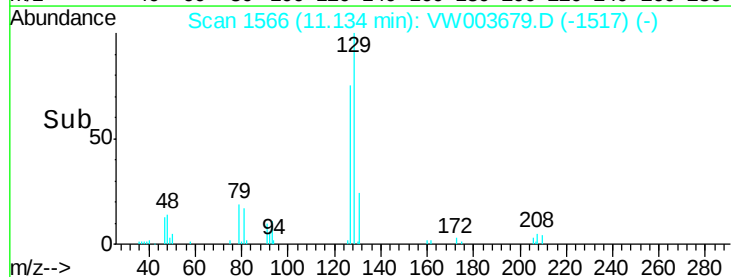
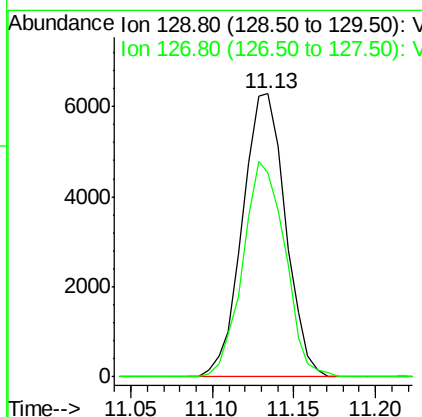
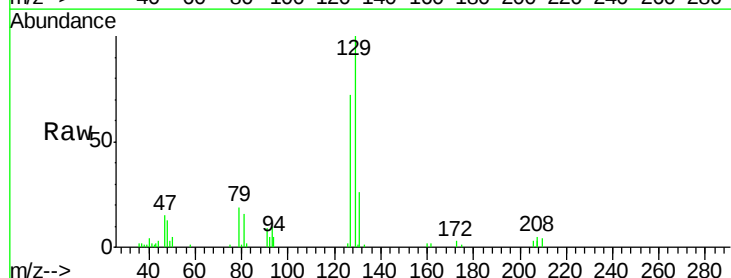
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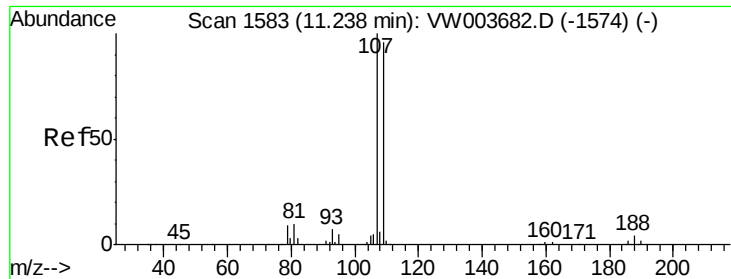
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#60
Dibromochloromethane
Concen: 5.10 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 129 Resp: 11548
Ion Ratio Lower Upper
129 100
127 74.8 39.1 117.2





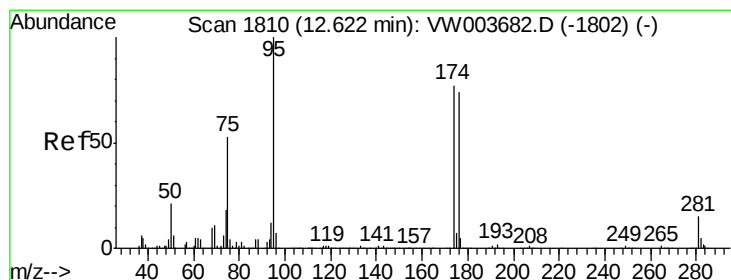
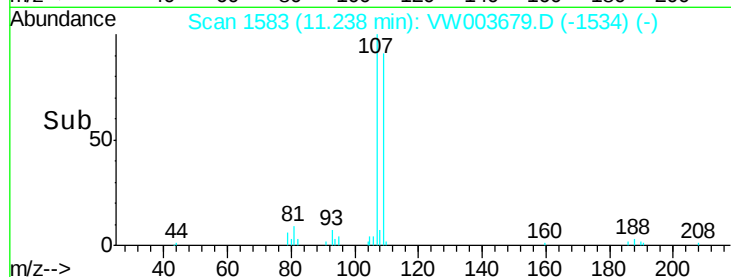
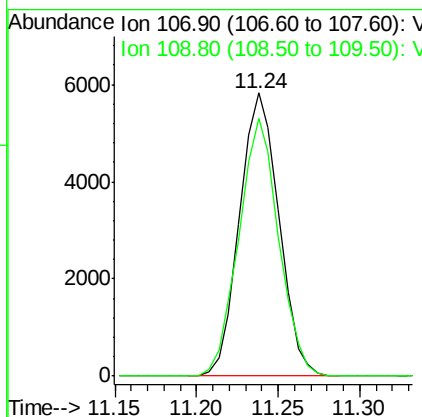
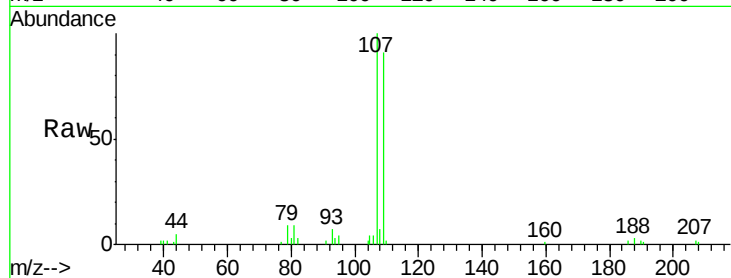
#61
 1,2-Dibromoethane
 Concen: 5.41 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.6	113.4

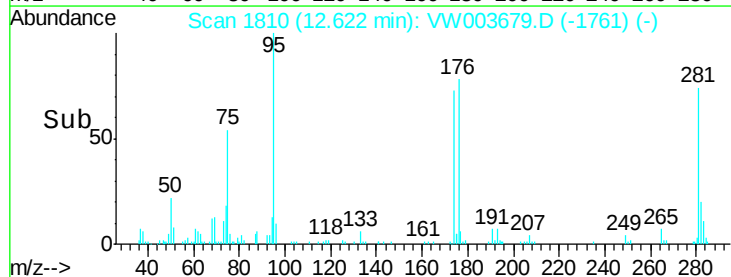
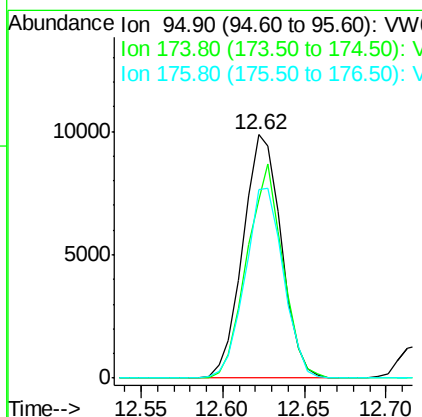
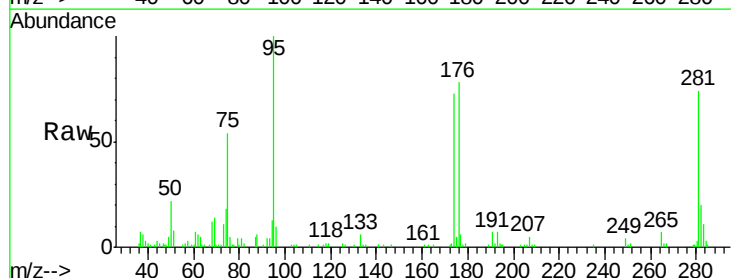
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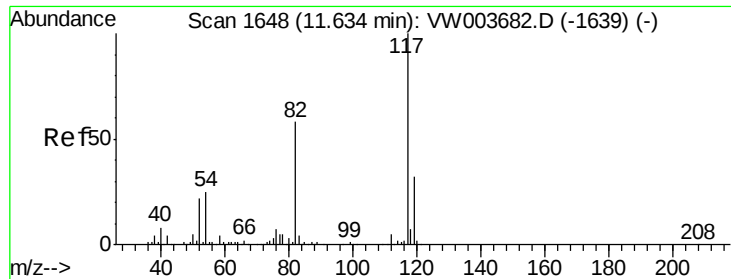
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.77 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	161.2
176	77.6	0.0	155.0





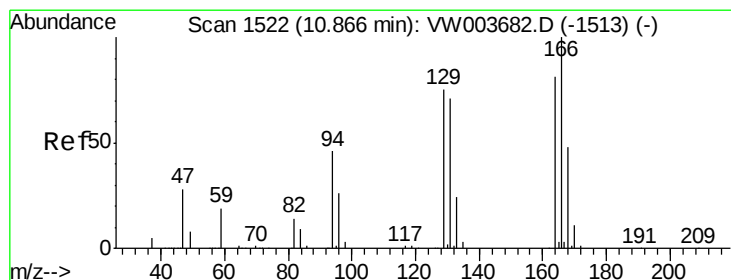
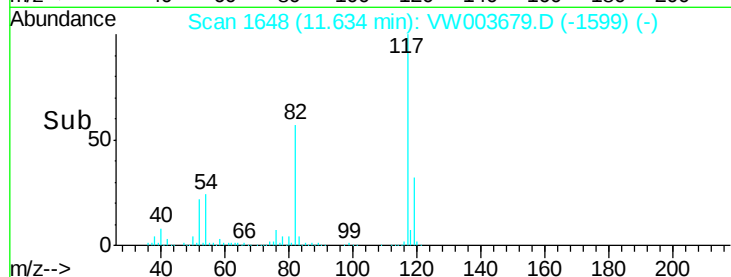
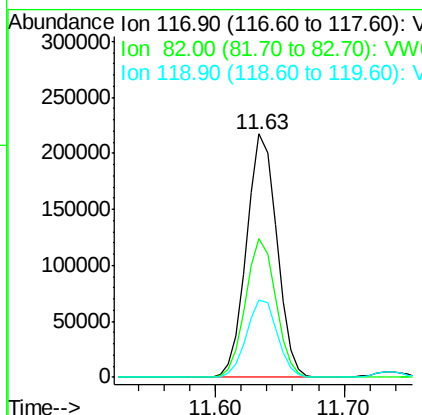
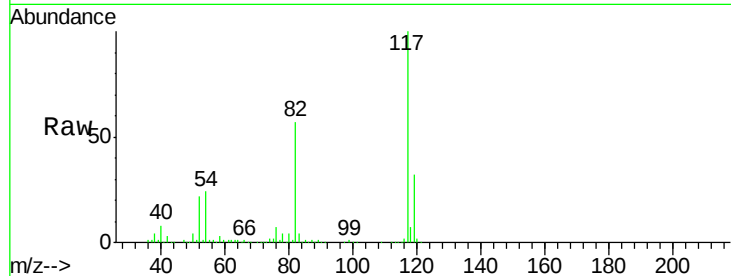
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352969		
82	56.8	46.0	69.0	
119	31.8	25.4	38.0	

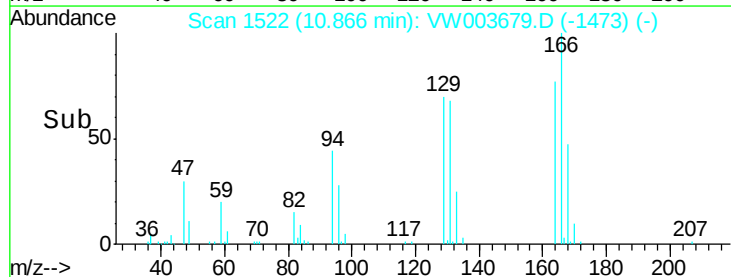
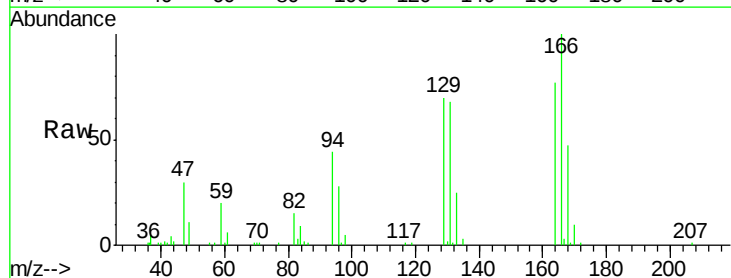
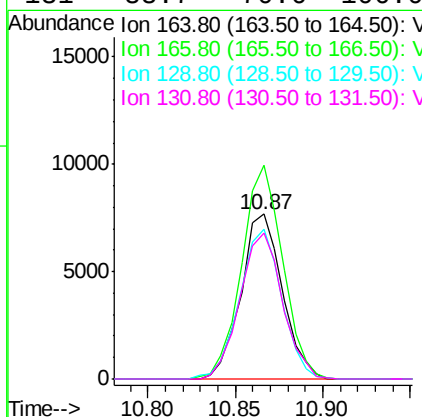
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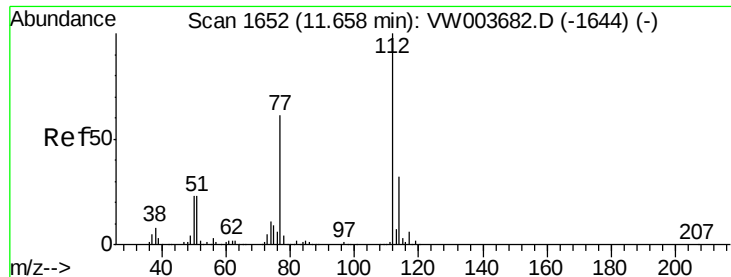
apatel
7/3/2018 10:16:21 AM



#64
Tetrachloroethene
Concen: 5.31 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	12629		
166	129.7	99.0	148.4	
129	91.1	73.8	110.6	
131	88.7	70.6	106.0	





#65

Chlorobenzene

Concen: 5.05 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 37410

Ion Ratio Lower Upper

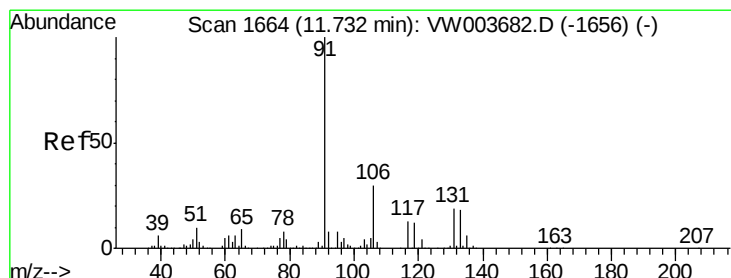
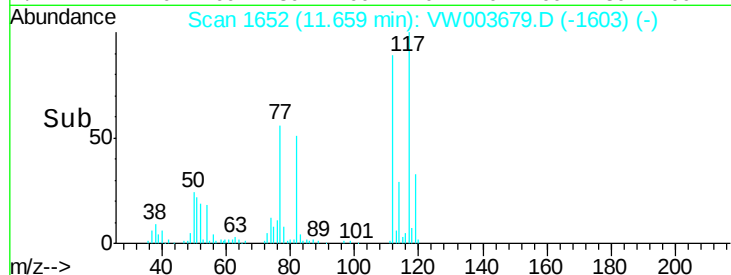
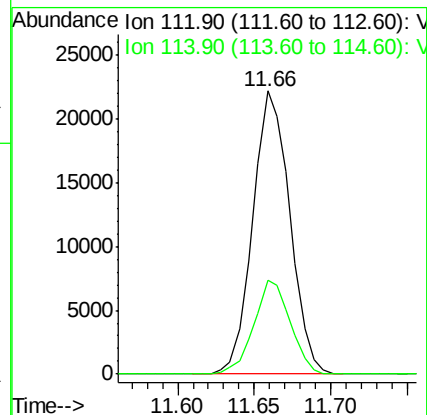
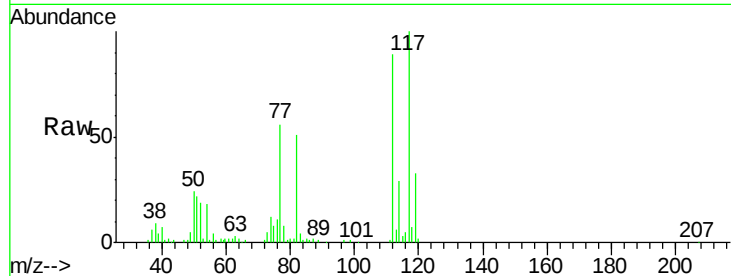
112 100

114 33.0 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.81 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

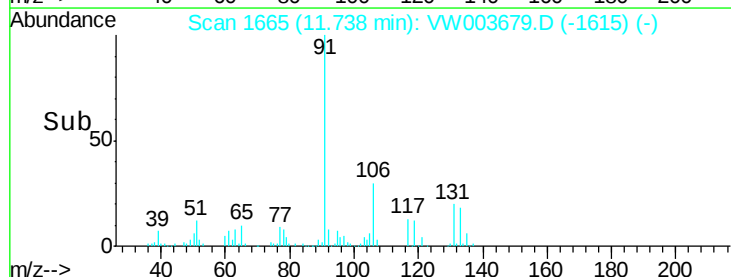
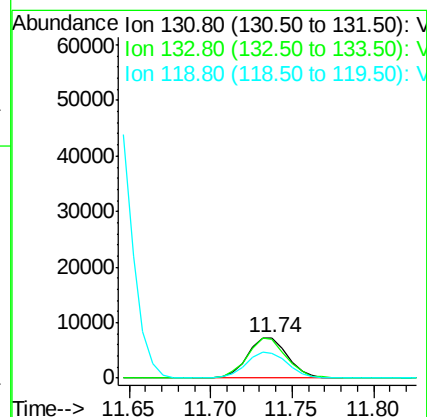
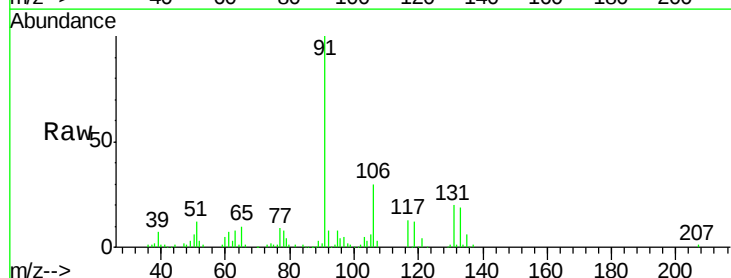
Tgt Ion:131 Resp: 12520

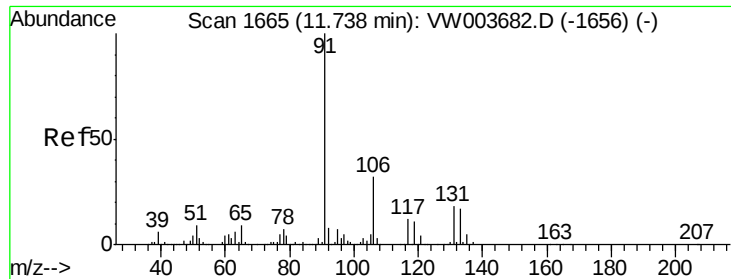
Ion Ratio Lower Upper

131 100

133 97.7 47.6 142.8

119 66.1 31.9 95.9





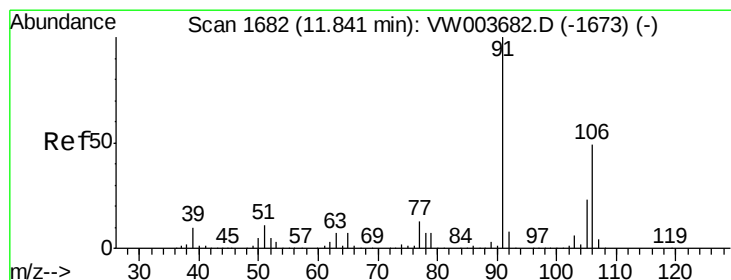
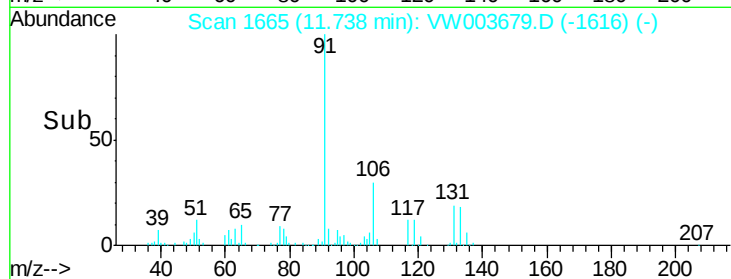
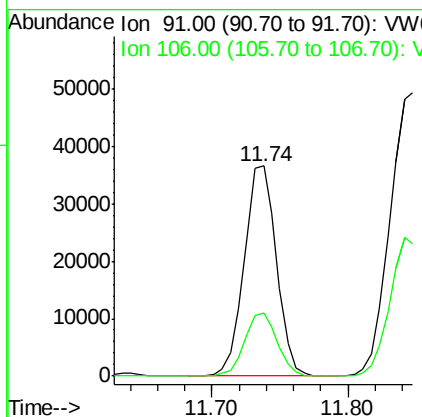
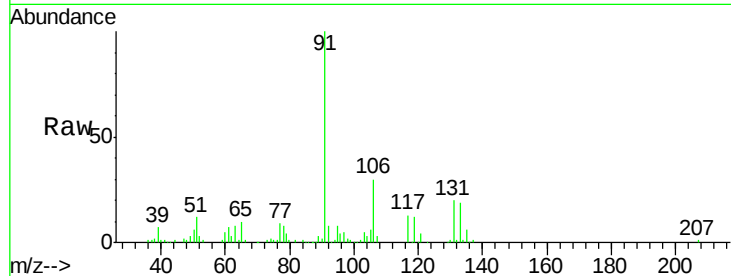
#67
Ethyl Benzene
Concen: 4.62 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 60834
Ion Ratio Lower Upper
91 100
106 30.3 25.2 37.8

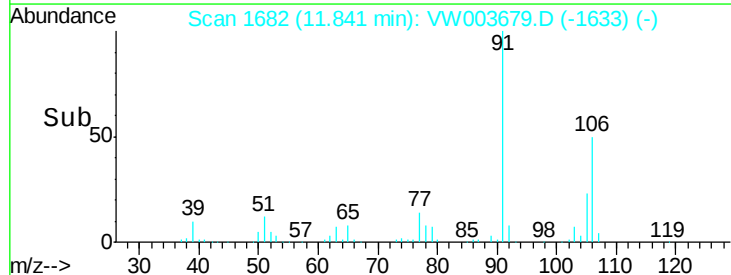
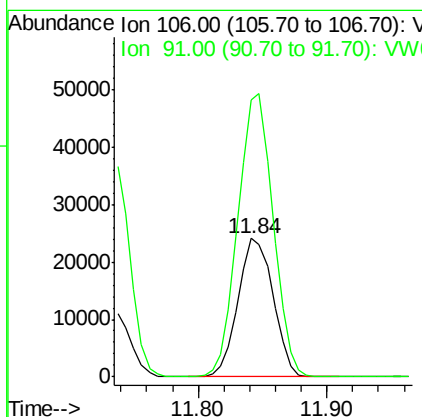
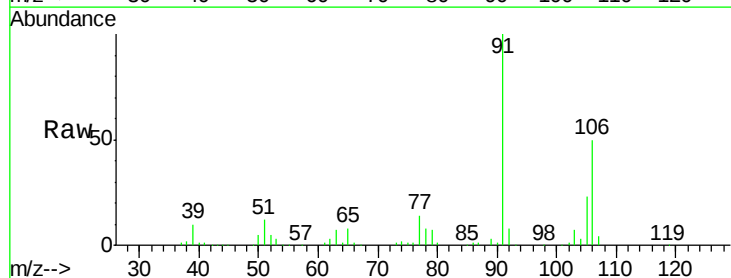
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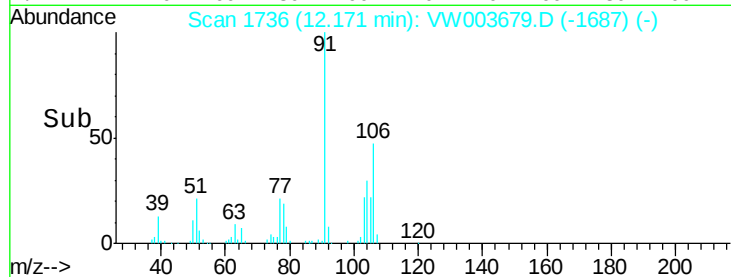
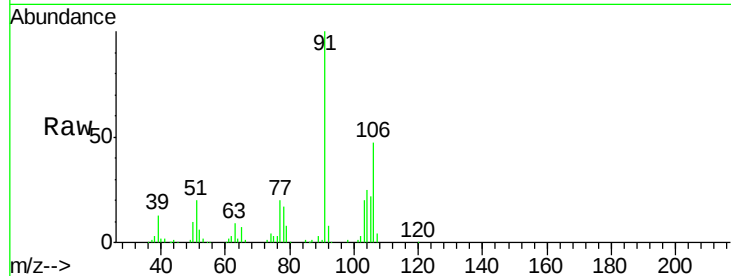
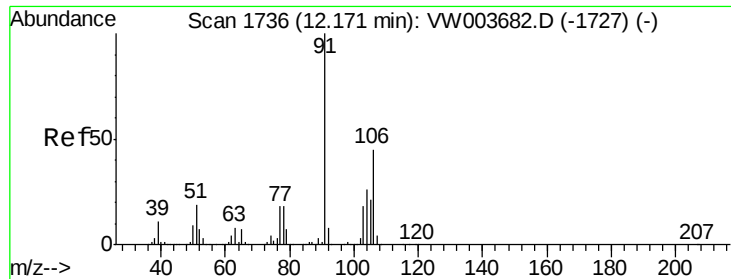
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#68
m/p-Xylenes
Concen: 9.14 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 106 Resp: 45701
Ion Ratio Lower Upper
106 100
91 204.1 163.7 245.5





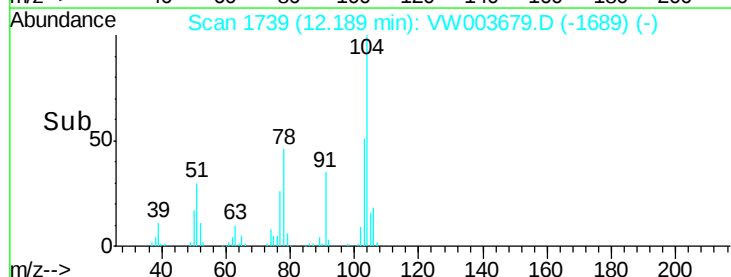
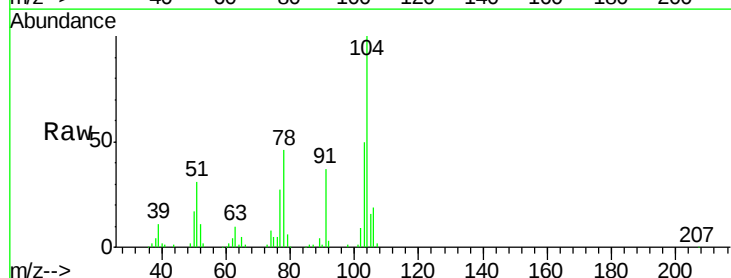
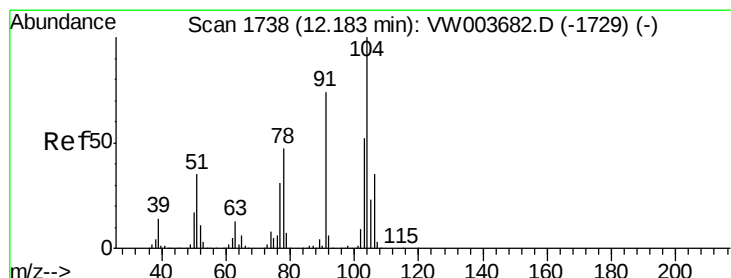
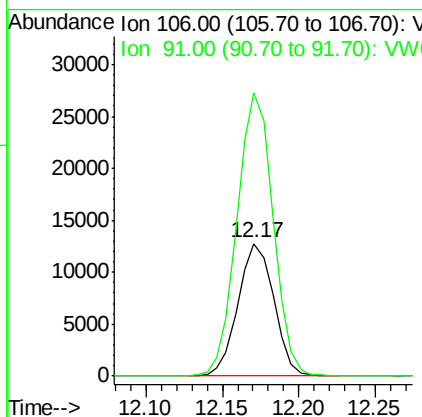
#69
o-Xylene
Concen: 4.52 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tot Ion:106 Resp: 20858
Ion Ratio Lower Upper
106 100
91 214.7 109.3 327.8

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

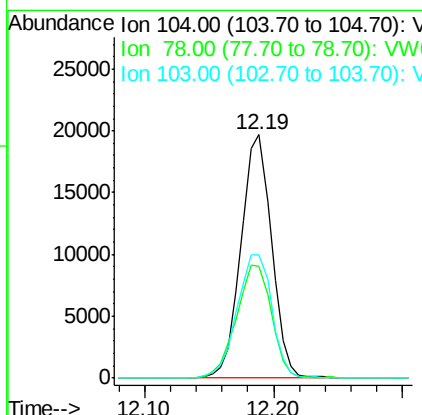
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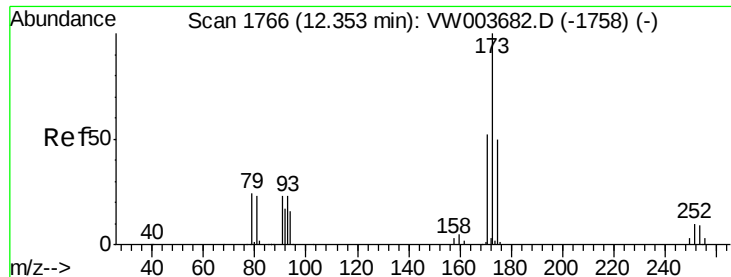
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#70
Styrene
Concen: 4.20 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion:104 Resp: 32426
Ion Ratio Lower Upper
104 100
78 52.9 40.2 60.4
103 57.9 44.4 66.6





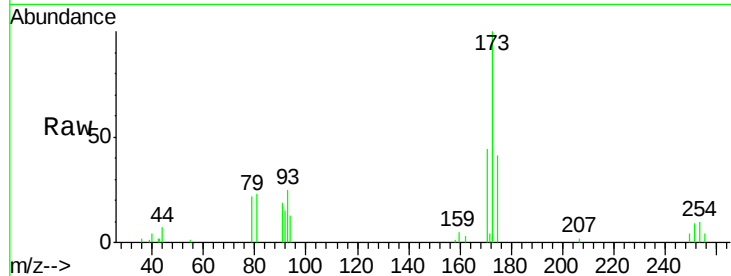
#71
Bromoform
Concen: 5.01 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.5	73.5
254	0.0	0.2	0.2

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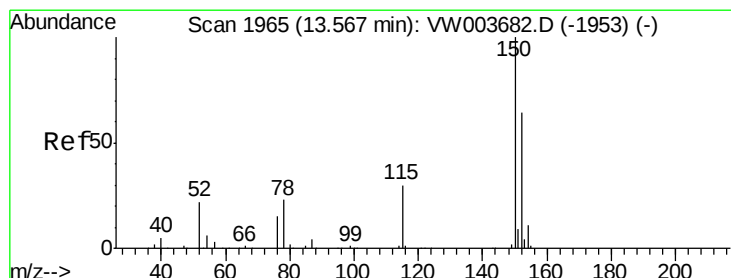
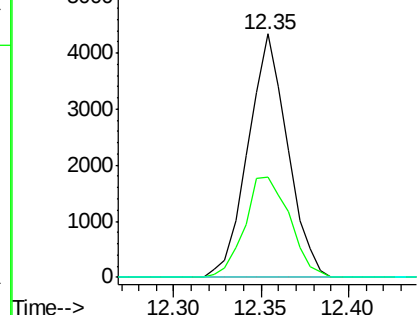
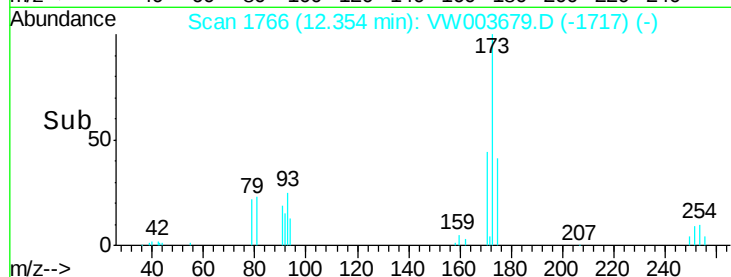


Abundance

Ion 172.70 (172.40 to 173.40): V

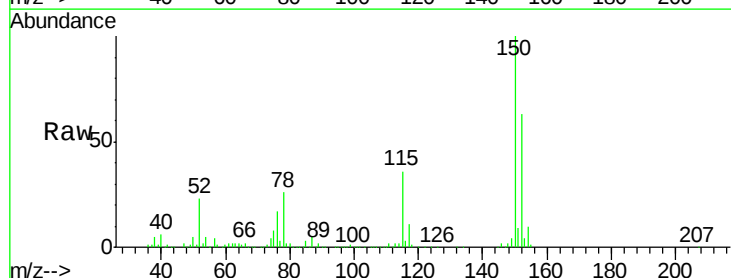
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	88.0
150	157.6	0.0	352.0

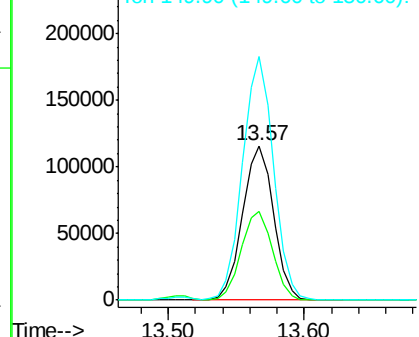
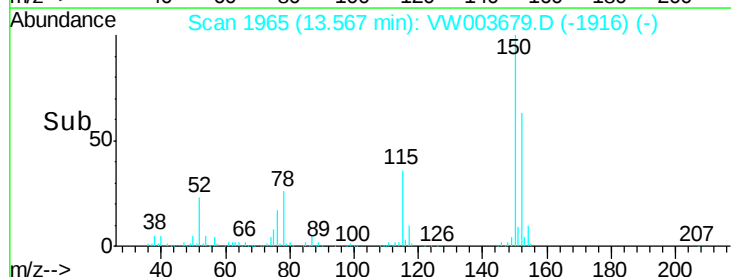


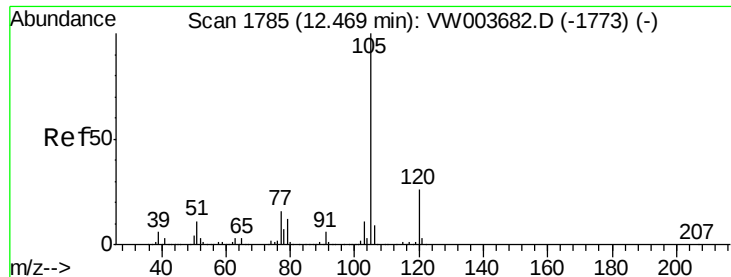
Abundance

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: 4.37 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 56317

Ion Ratio Lower Upper

105 100

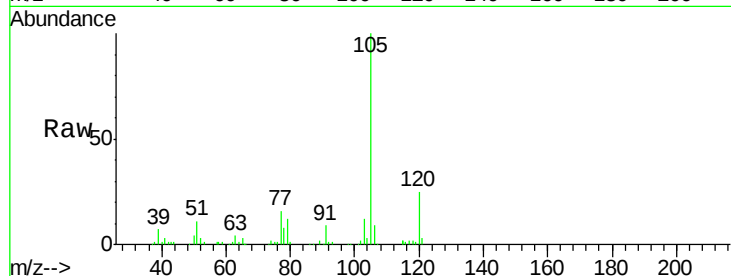
120 25.9 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

40000

30000

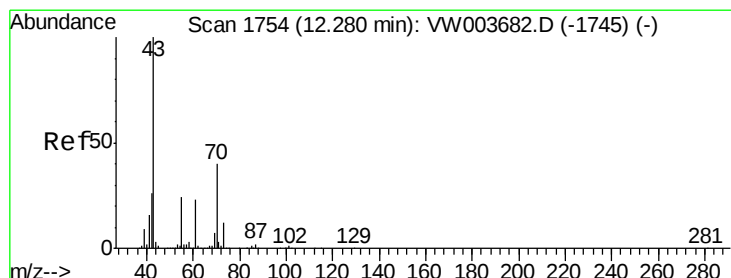
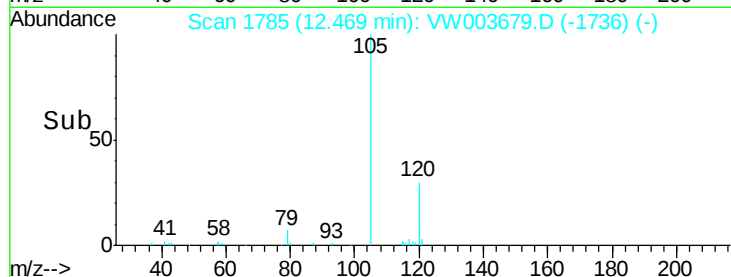
20000

10000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.77 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion: 43 Resp: 14310

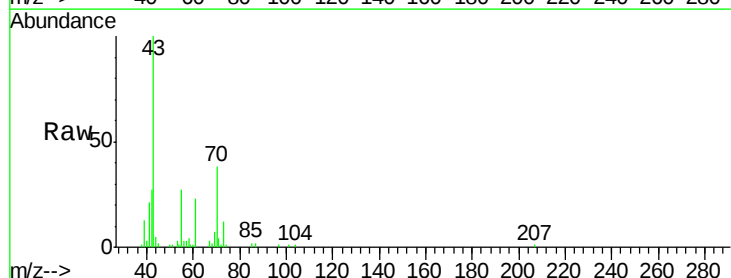
Ion Ratio Lower Upper

43 100

70 36.8 31.3 46.9

55 27.4 20.1 30.1

61 22.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

15000

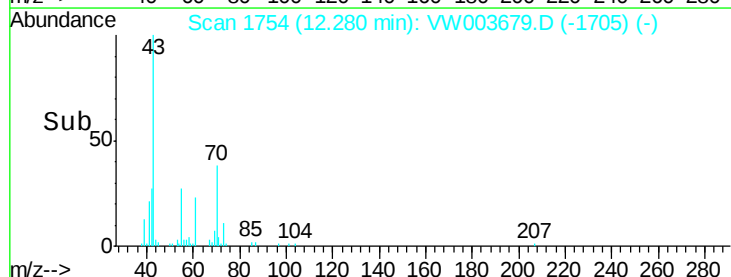
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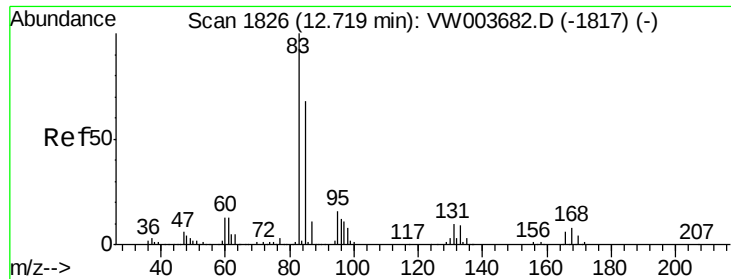
5000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 5.49 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

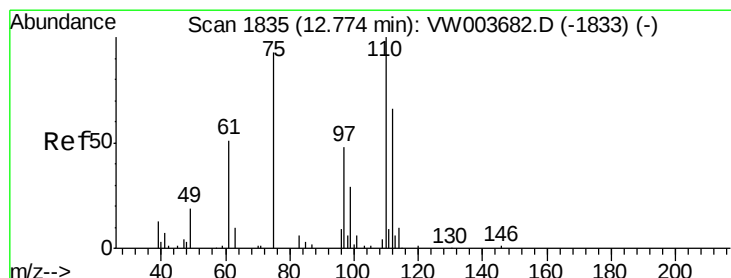
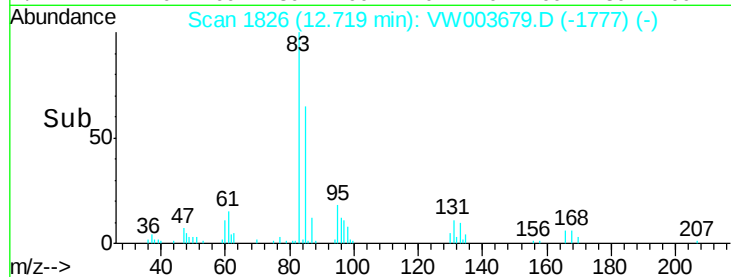
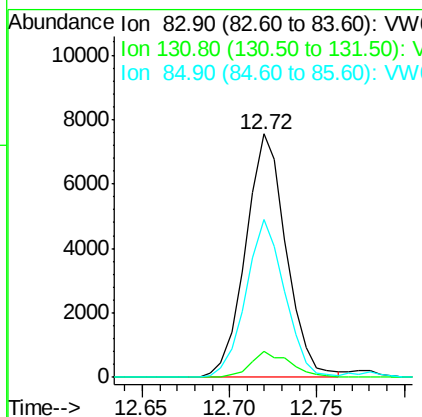
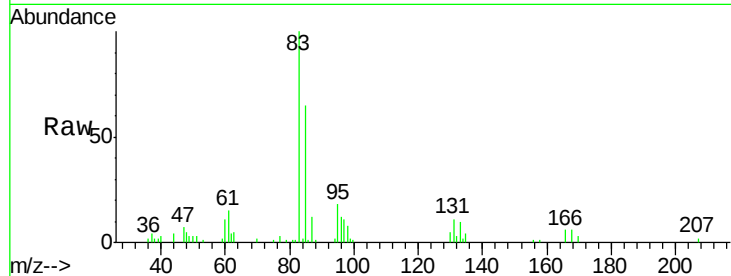
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	12207
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	62.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 5.03 ug/l m

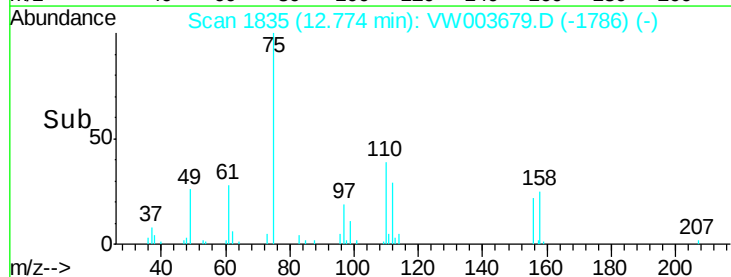
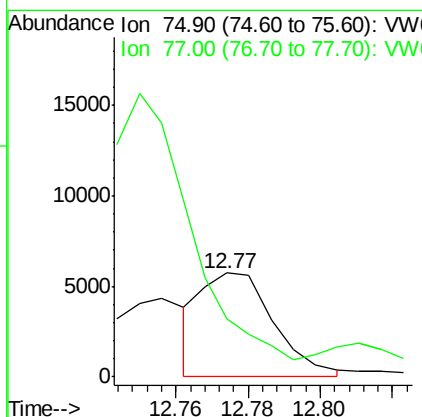
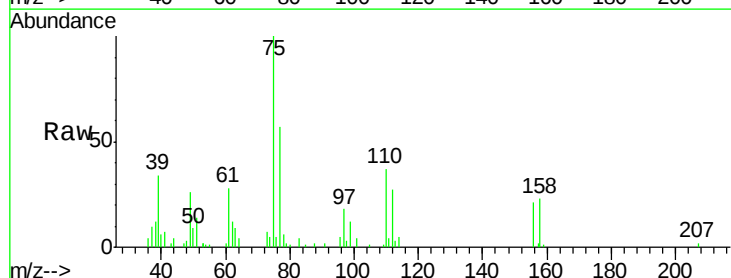
RT: 12.77 min Scan# 1835

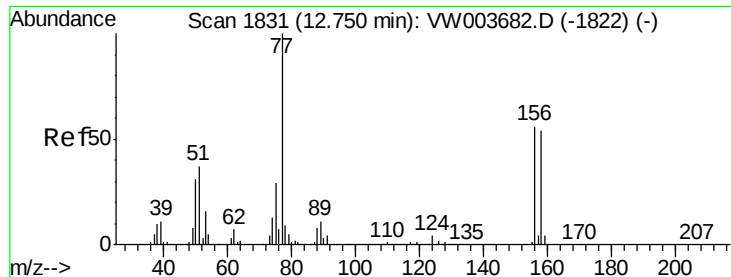
Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	75	Resp:	8045
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.85 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

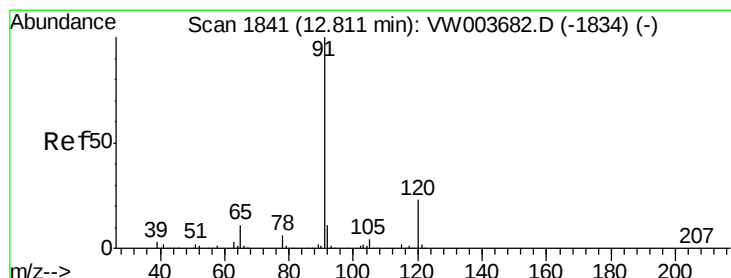
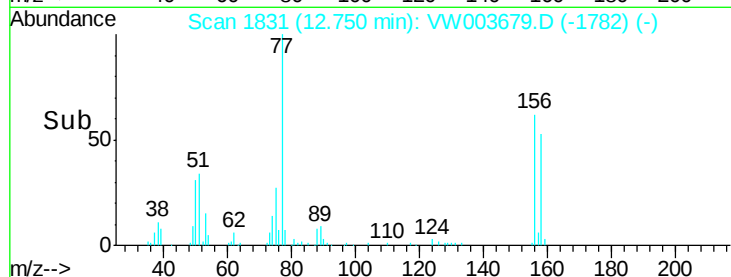
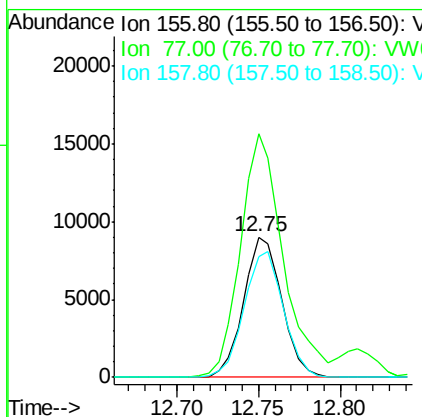
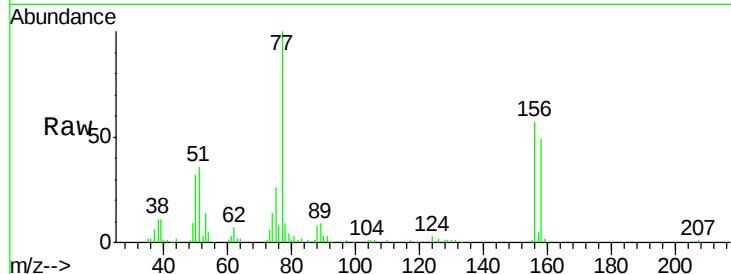
ClientSampleId :

VSTDIC005

Tot Ion	156	Resp	14610
Ion Ratio	Lower	Upper	
156	100		
77	195.3	95.8	287.4
158	92.7	48.2	144.6

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#78

n-propylbenzene

Concen: 4.42 ug/l

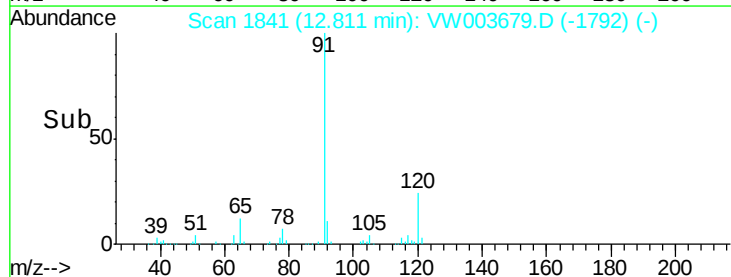
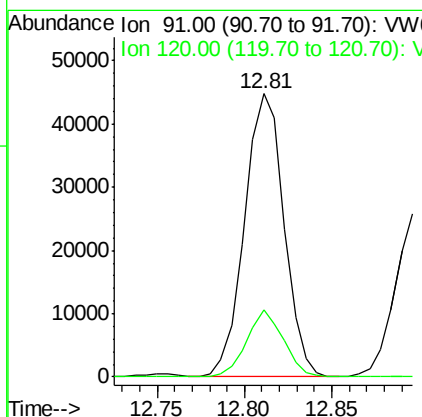
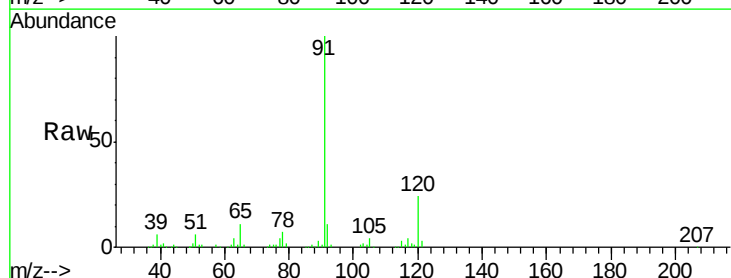
RT: 12.81 min Scan# 1841

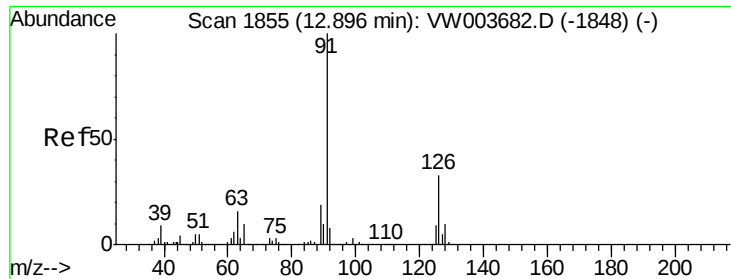
Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion	91	Resp	69959
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.4	34.1





#79

2-Chlorotoluene

Concen: 4.64 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 41462

Ion Ratio Lower Upper

91 100

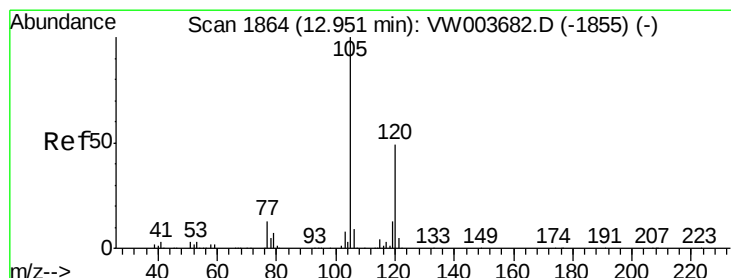
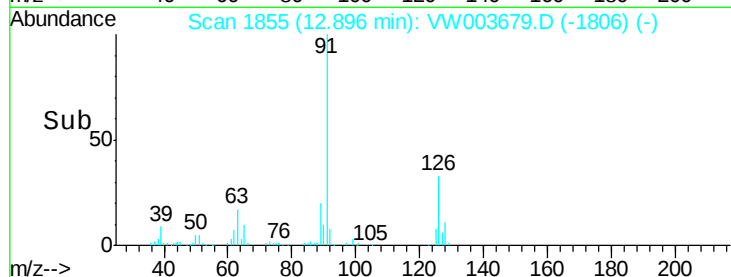
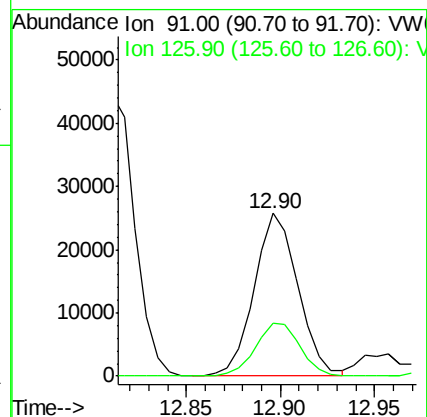
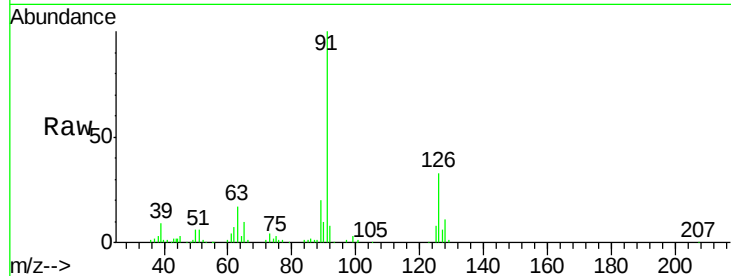
126 33.3 16.4 49.4

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#80

1,3,5-Trimethylbenzene

Concen: 4.41 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003679.D

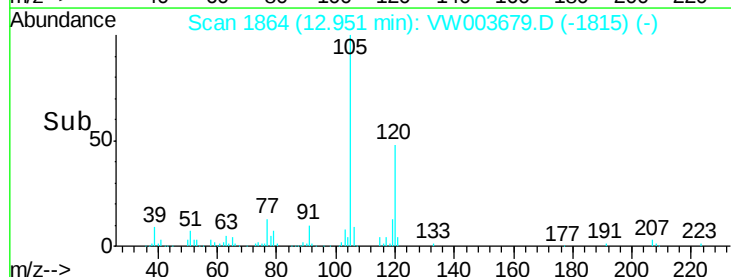
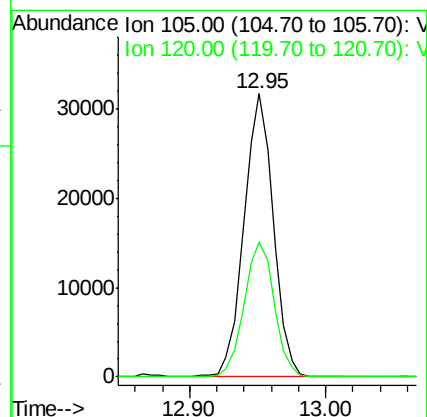
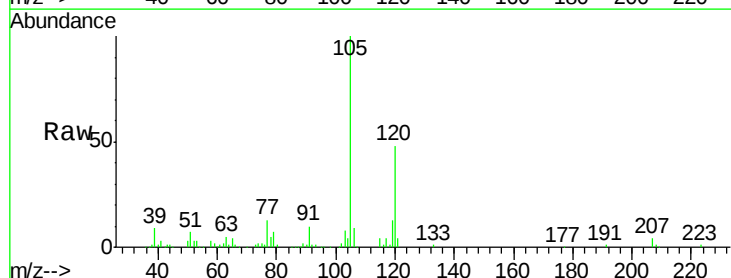
Acq: 02 Jul 2018 16:32

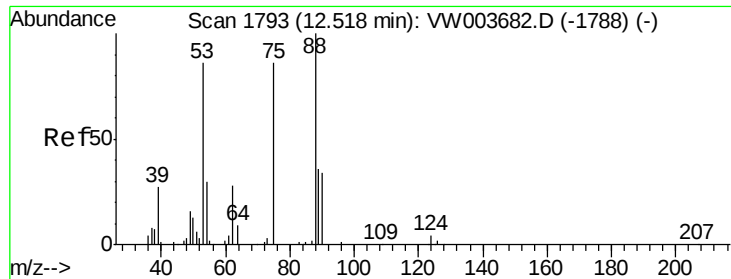
Tgt Ion:105 Resp: 47765

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





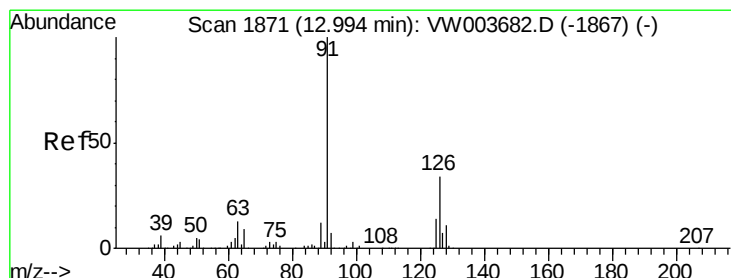
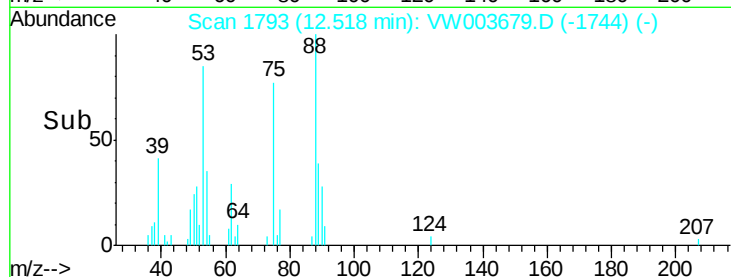
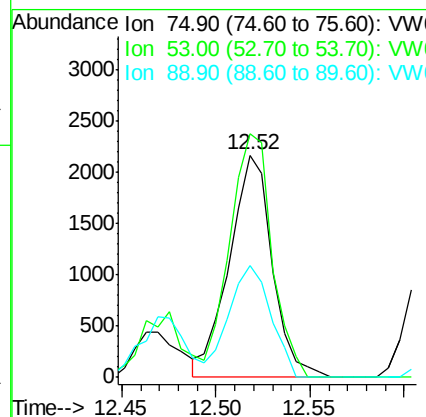
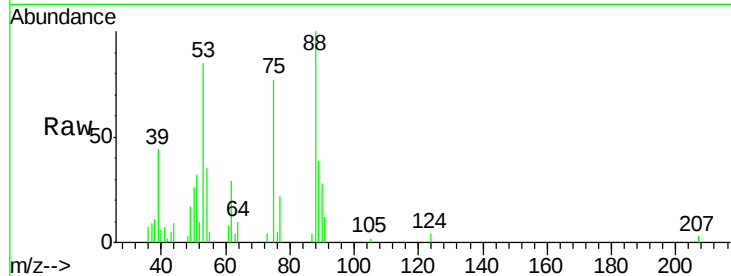
#81
trans-1,4-Dichloro-2-butene
Concen: 4.85 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.2	82.4	123.6
89	49.3	35.9	53.9

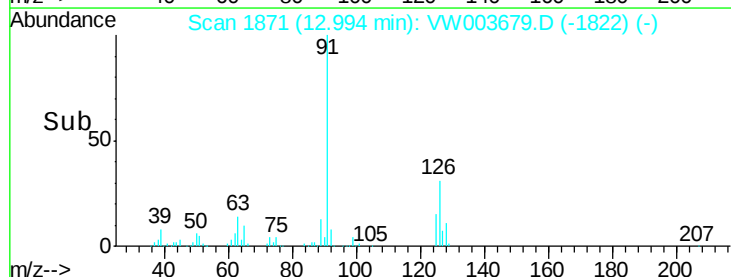
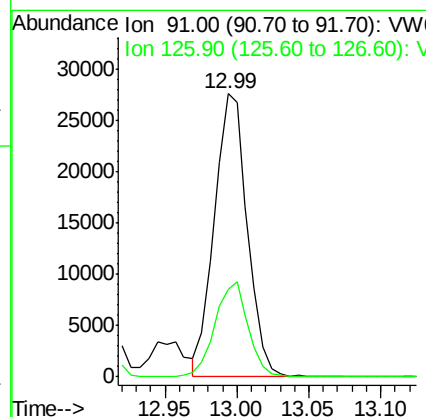
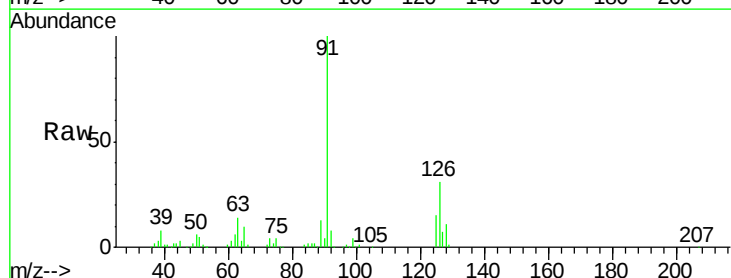
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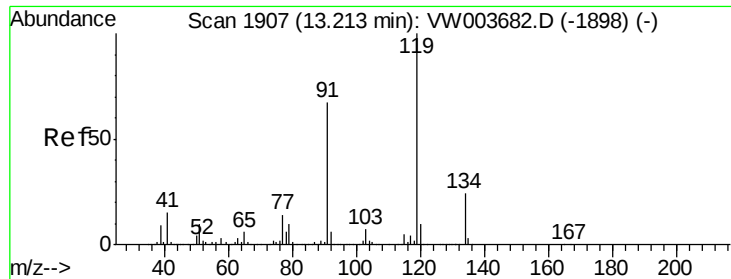
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#82
4-Chlorotoluene
Concen: 4.65 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.0	50.9





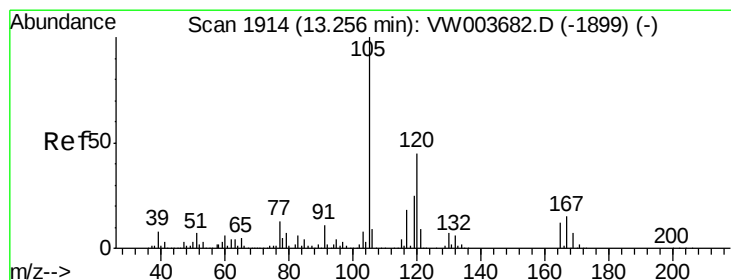
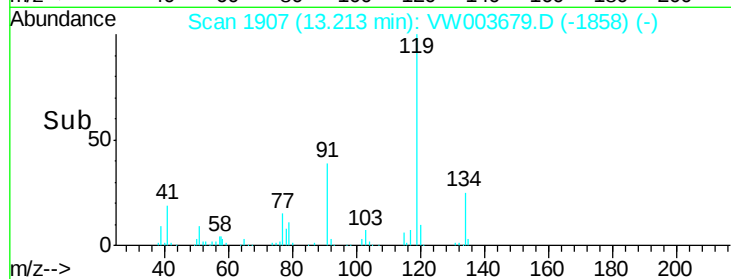
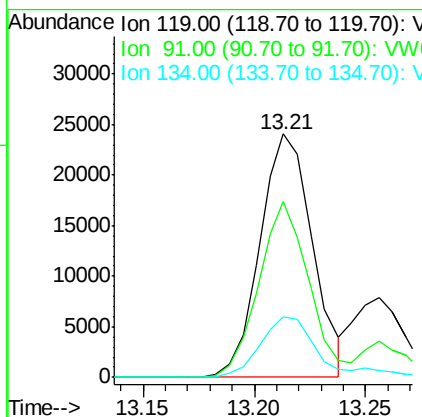
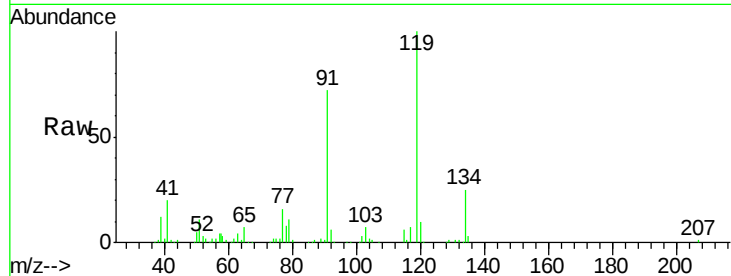
#83
tert-Butylbenzene
Concen: 4.27 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.3	33.8	101.3
134	28.0	13.1	39.1

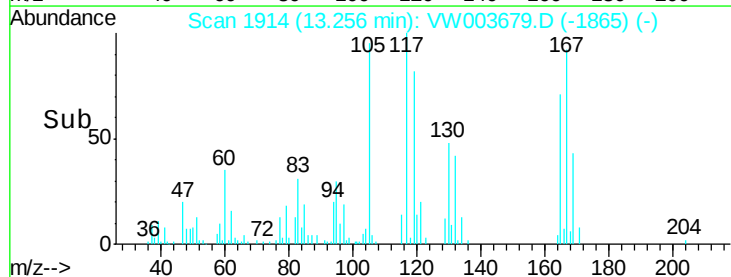
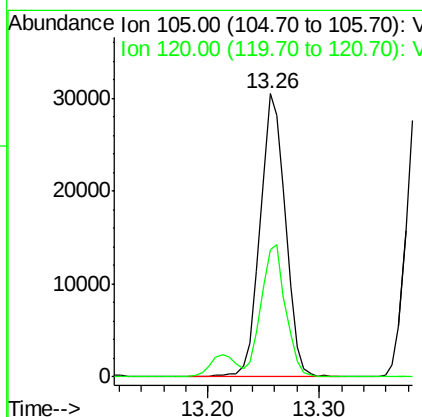
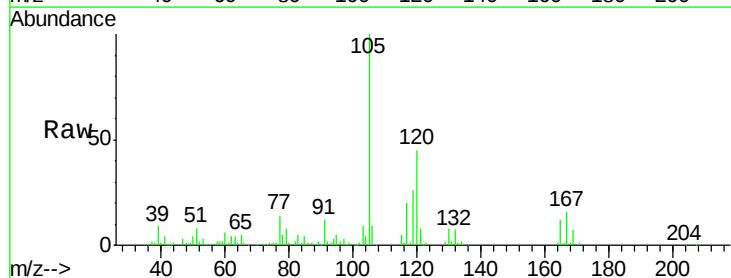
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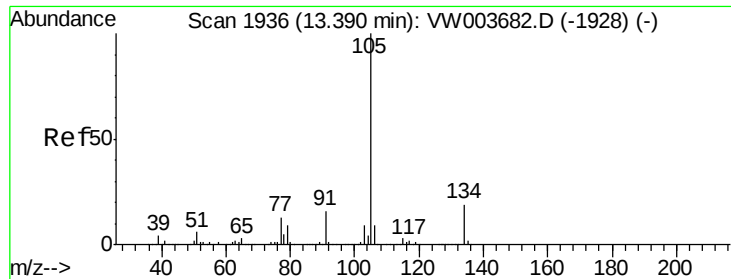
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#84
1,2,4-Trimethylbenzene
Concen: 4.34 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





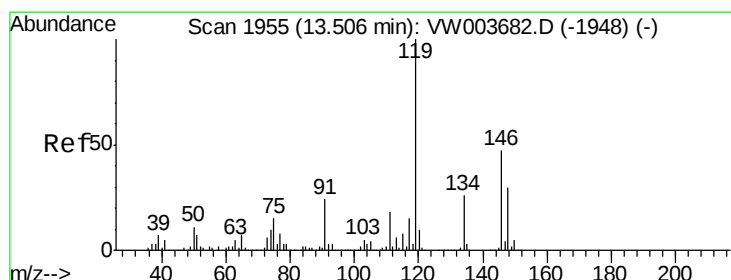
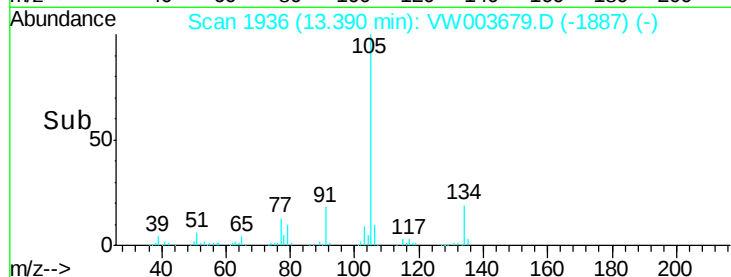
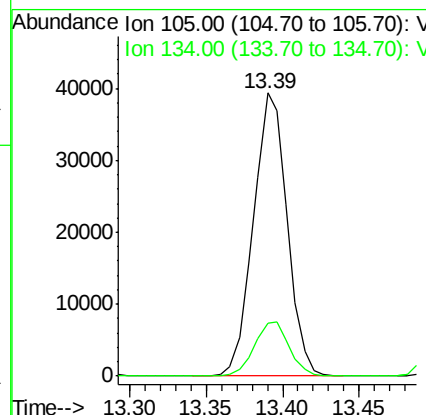
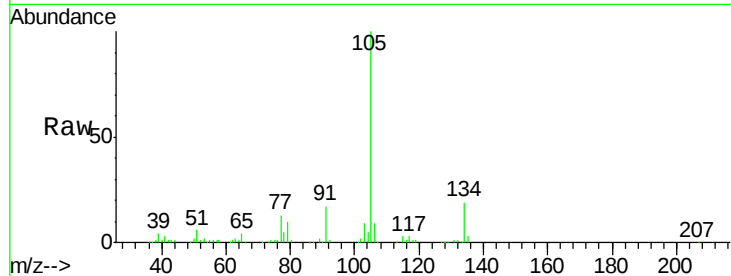
#85
 sec-Butylbenzene
 Concen: 4.40 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

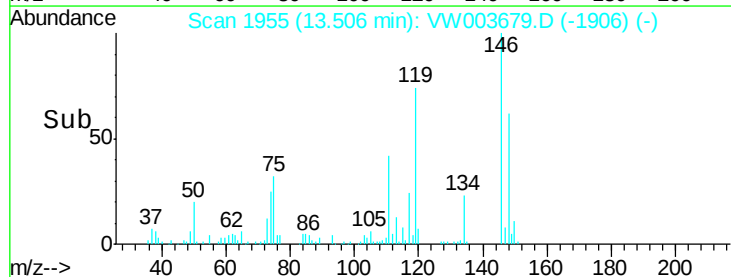
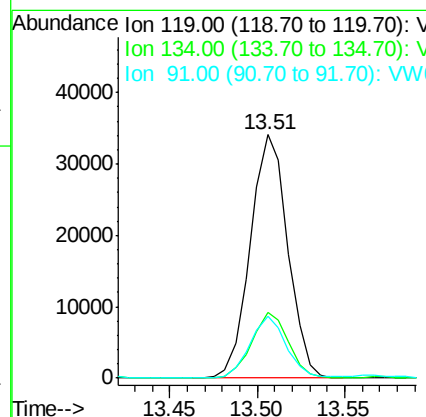
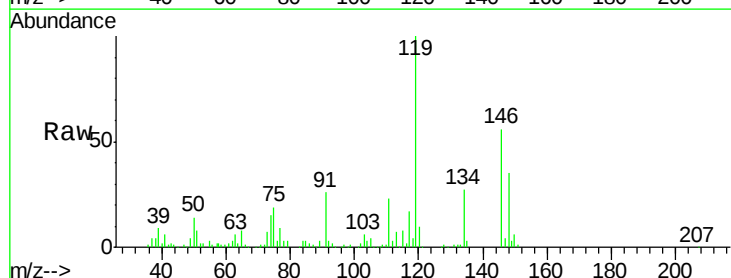
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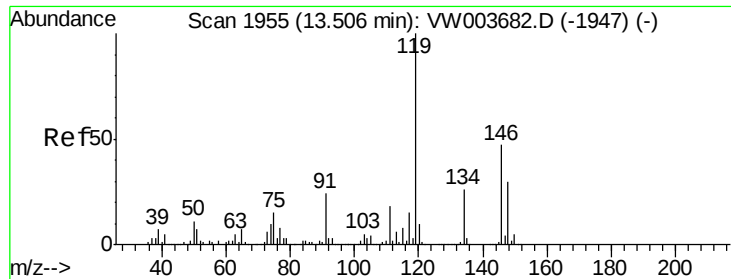
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#86
 p-Isopropyltoluene
 Concen: 4.20 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	25.1	11.8	35.4





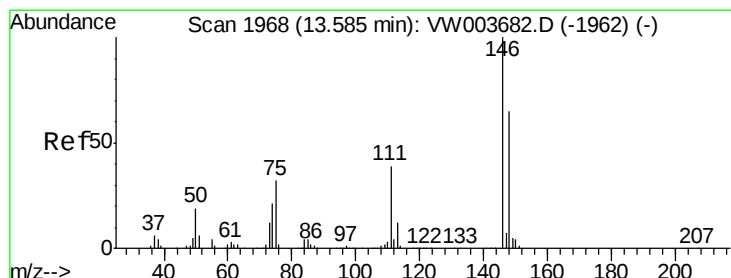
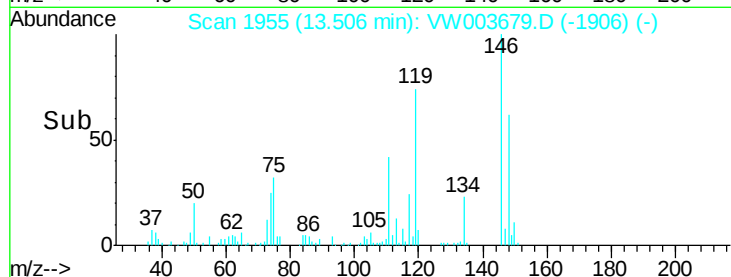
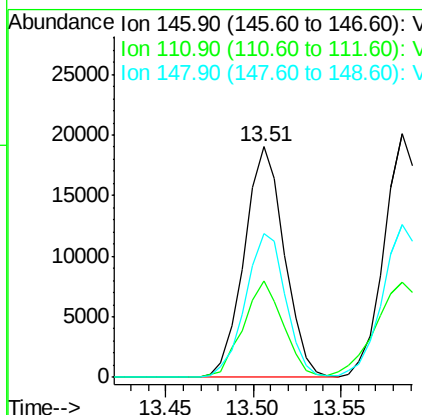
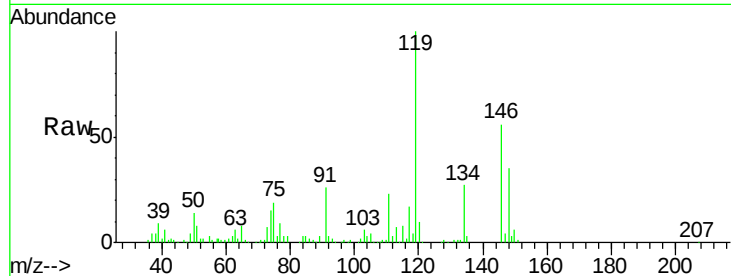
#87
 1,3-Dichlorobenzene
 Concen: 4.91 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.7
148	62.6	31.9	95.9

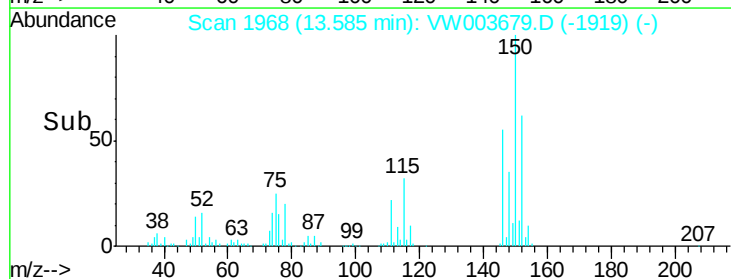
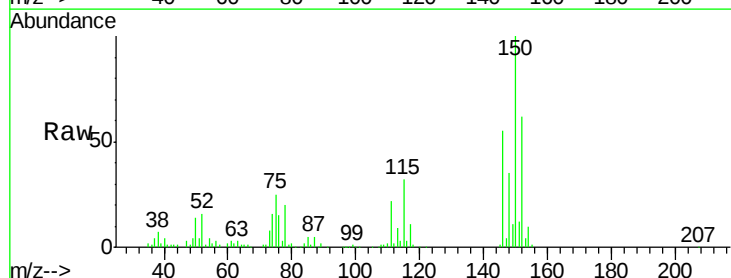
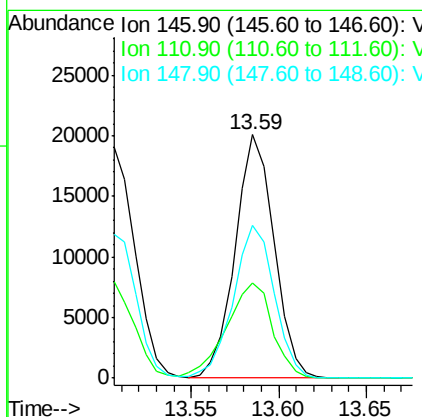
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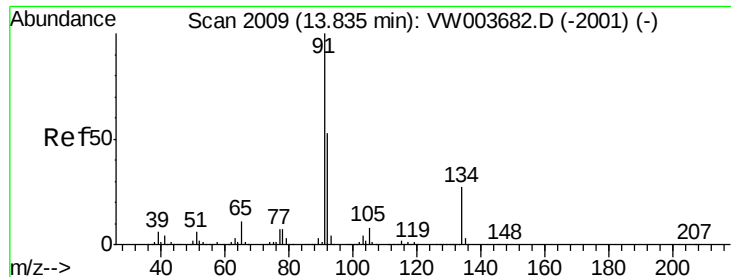
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#88
 1,4-Dichlorobenzene
 Concen: 5.07 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	19.3	57.9
148	66.3	32.3	96.9





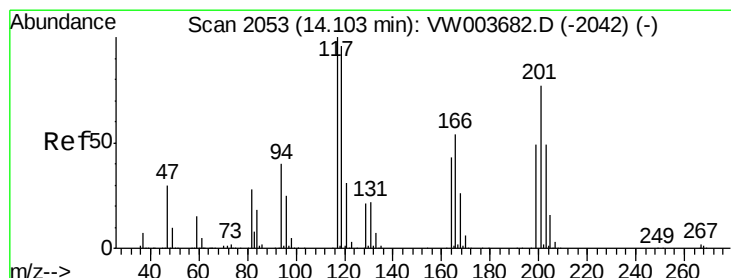
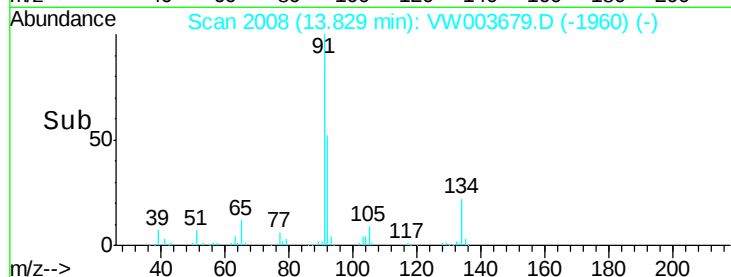
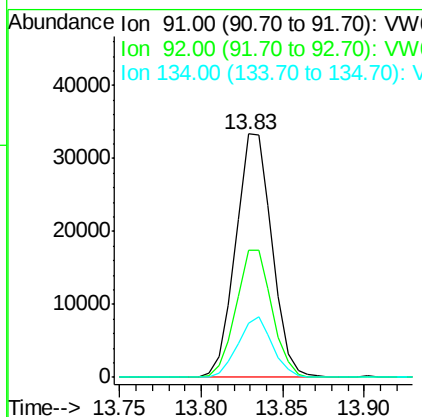
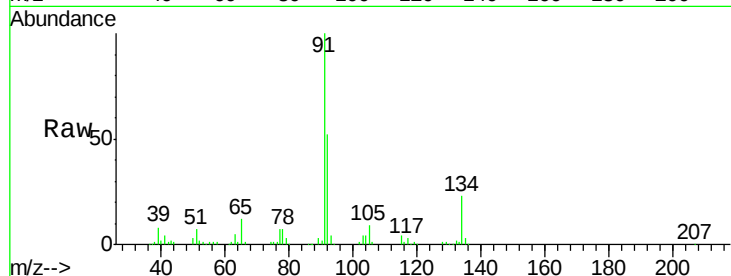
#89
n-Butylbenzene
Concen: 4.38 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.4	79.2
134	23.7	12.7	38.1

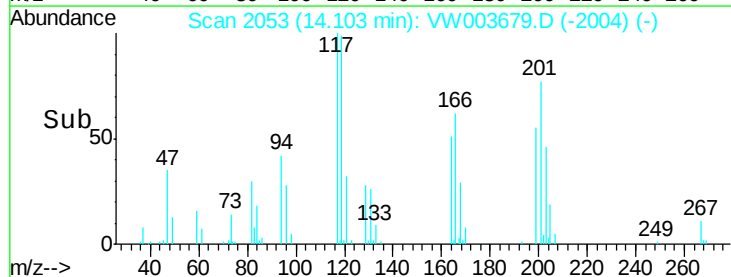
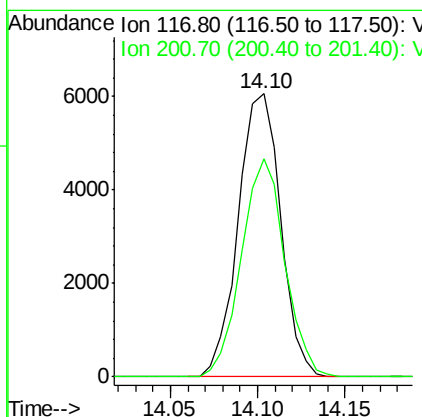
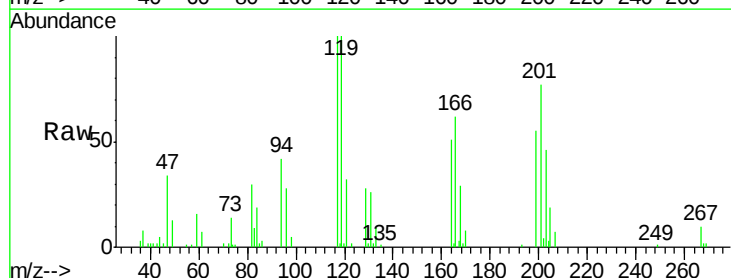
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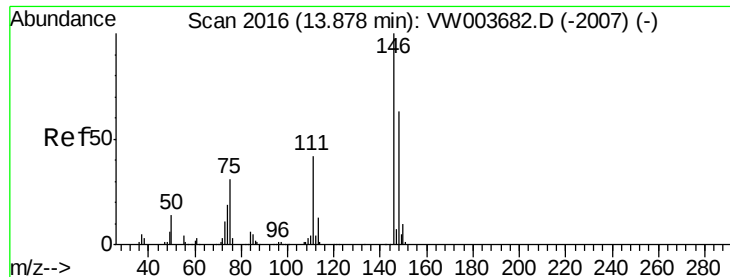
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#90
Hexachloroethane
Concen: 4.68 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.2





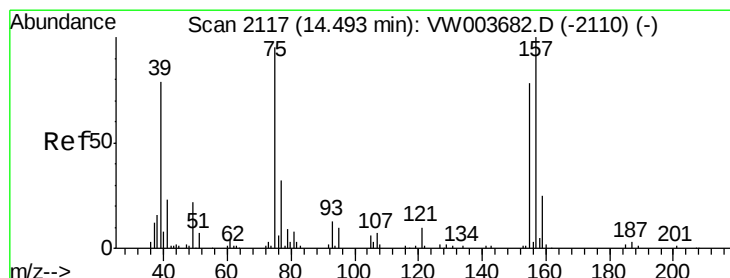
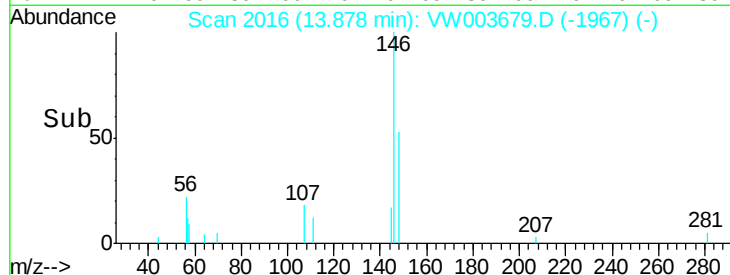
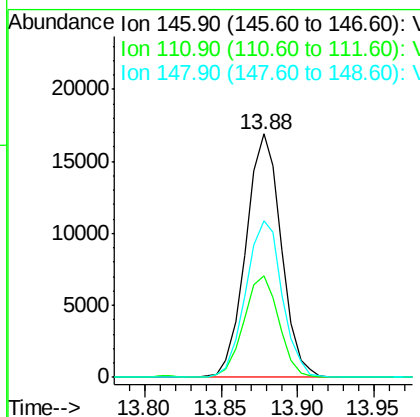
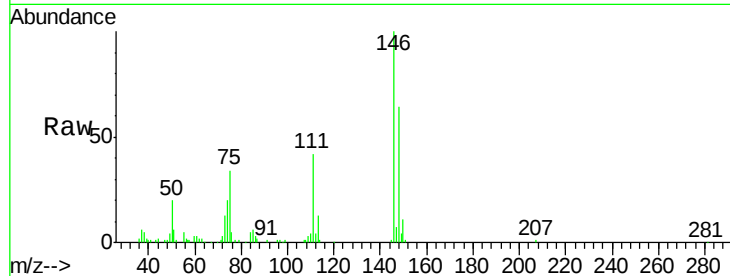
#91
 1,2-Dichlorobenzene
 Concen: 5.02 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	66.1	31.9	95.7

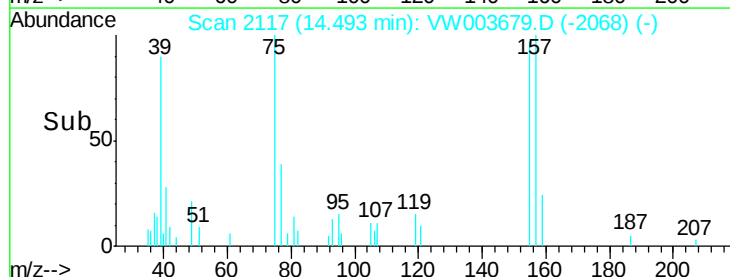
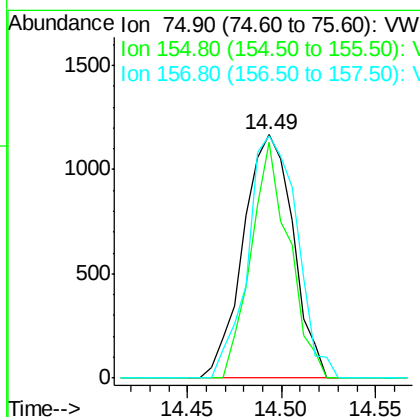
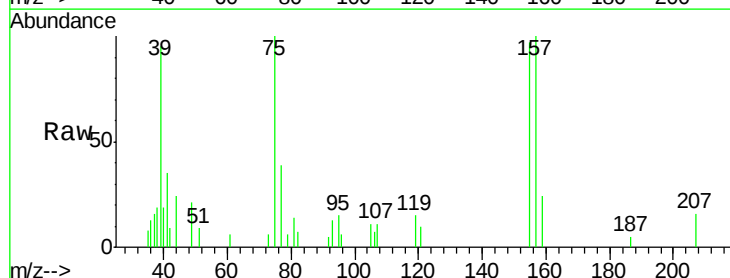
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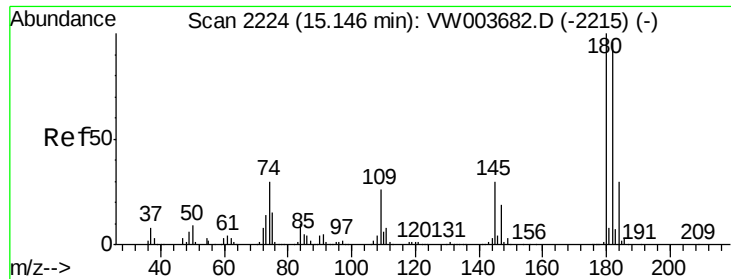
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.71 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	40.2	120.6
157	98.4	50.7	152.3





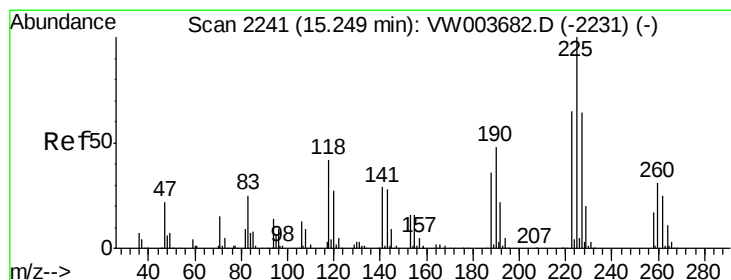
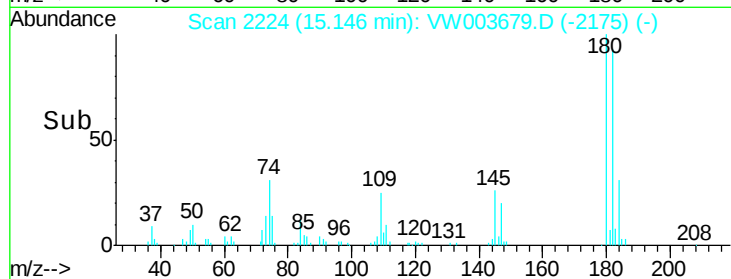
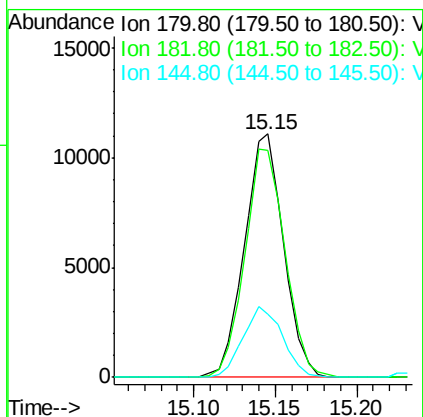
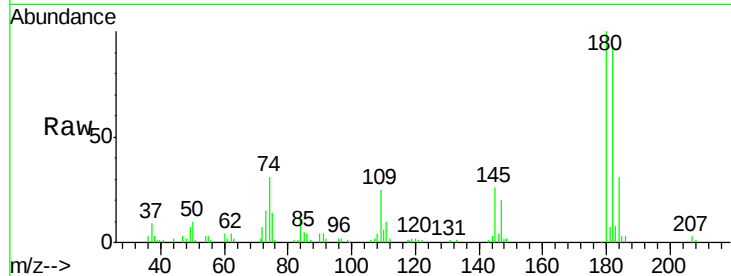
#93
 1,2,4-Trichlorobenzene
 Concen: 4.85 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	29.3	14.9	44.5

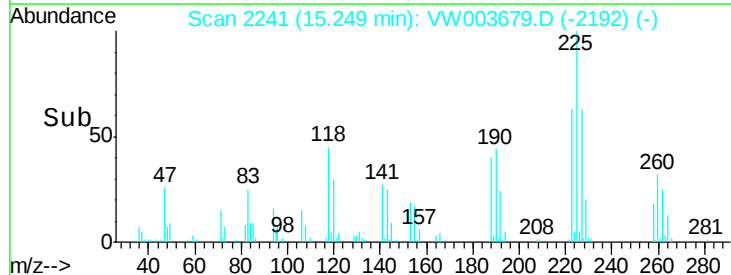
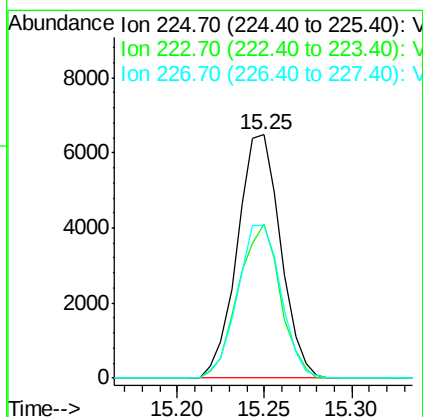
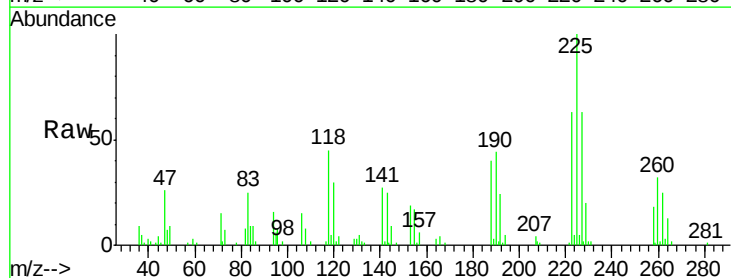
Manual Integrations
 APPROVED

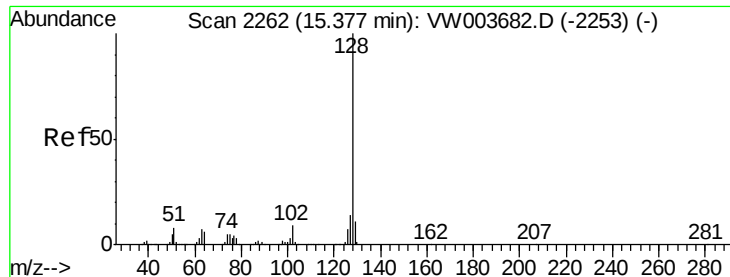
apatel
 7/3/2018 10:16:21 AM



#94
 Hexachlorobutadiene
 Concen: 4.90 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.0	96.2
227	63.6	31.9	95.7





#95

Naphthalene

Concen: 4.56 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

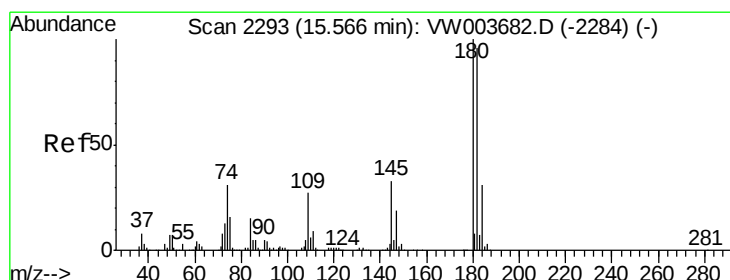
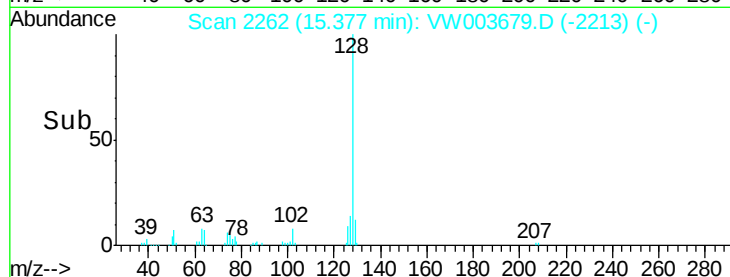
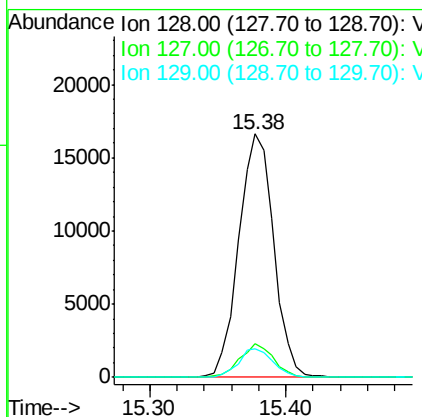
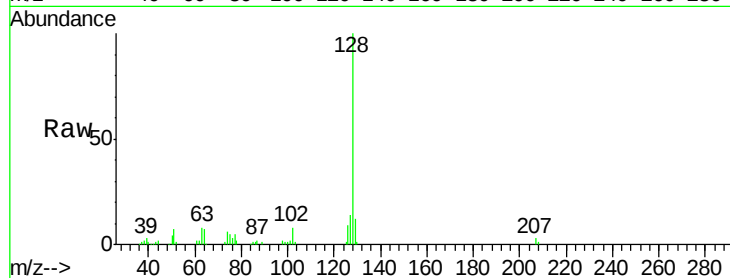
ClientSampled :

VSTDIC005

Tot Ion:	128	Resp:	29780
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.6	8.8	13.2

Manual Integrations
APPROVED

apatel
7/3/2018 10:16:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.97 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion:	180	Resp:	16667
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.8	143.3
145	30.9	15.9	47.7

