

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092718\
 Data File : VW005692.D
 Acq On : 27 Sep 2018 11:51
 Operator : VA/AP
 Sample : VW0927SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 11:06:21 AM

Quant Time: Sep 28 01:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	344748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129865	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.89	113	114315	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.33	98	465073	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	171705	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29492	18.826	ug/l	96
3) Chloromethane	2.21	50	32166	17.021	ug/l	100
4) Vinyl Chloride	2.37	62	49921	22.100	ug/l	95
5) Bromomethane	2.79	94	30433	19.936	ug/l	96
6) Chloroethane	2.93	64	28527	19.681	ug/l	97
7) Trichlorofluoromethane	3.26	101	34684	19.632	ug/l	95
8) Diethyl Ether	3.68	74	22146	19.189	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47674	21.317	ug/l	99
10) Methyl Iodide	4.27	142	70147	20.395	ug/l	98
11) Tert butyl alcohol	5.23	59	12656	86.959	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	45176	21.100	ug/l	98
13) Acrolein	3.90	56	9816	90.063	ug/l	97
14) Allyl chloride	4.67	41	74197	19.857	ug/l	98
15) Acrylonitrile	5.38	53	43619	85.126	ug/l	99
16) Acetone	4.15	43	49081	107.344	ug/l	98
17) Carbon Disulfide	4.37	76	135294	20.224	ug/l	99
18) Methyl Acetate	4.68	43	19896	15.157	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	60638	18.349	ug/l	98
20) Methylene Chloride	4.91	84	56714	22.044	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46842	19.975	ug/l	95
22) Diisopropyl ether	6.32	45	141619	19.524	ug/l	99
23) Vinyl Acetate	6.26	43	377650	91.088	ug/l	99
24) 1,1-Dichloroethane	6.22	63	89040	19.868	ug/l	98
25) 2-Butanone	7.18	43	57587	85.612	ug/l	97
26) 2,2-Dichloropropane	7.17	77	64940	20.756	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	50892	19.676	ug/l	98
28) Bromochloromethane	7.51	49	33064	18.625	ug/l	100
29) Tetrahydrofuran	7.54	42	34571	82.267	ug/l	99
30) Chloroform	7.68	83	91582	19.794	ug/l	100
31) Cyclohexane	7.96	56	85097	19.819	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	82843	20.268	ug/l	98
36) 1,1-Dichloropropene	8.09	75	73053	21.050	ug/l	100
37) Ethyl Acetate	7.26	43	25403	17.394	ug/l	99
38) Carbon Tetrachloride	8.07	117	78462	21.098	ug/l	97

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Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 11:06:21 AM

Quant Time: Sep 28 01:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87844	21.454	ug/l	97
40) Benzene	8.33	78	204214	20.768	ug/l	100
41) Methacrylonitrile	7.49	41	15401	18.532	ug/l	98
42) 1,2-Dichloroethane	8.40	62	61189	19.436	ug/l	97
43) Isopropyl Acetate	8.43	43	50312	17.522	ug/l	99
44) Trichloroethene	9.09	130	52777	20.969	ug/l	99
45) 1,2-Dichloropropane	9.37	63	48045	19.861	ug/l	98
46) Dibromomethane	9.46	93	22721	18.798	ug/l	95
47) Bromodichloromethane	9.65	83	63863	19.669	ug/l	98
48) Methyl methacrylate	9.44	41	23512	17.240	ug/l	96
49) 1,4-Dioxane	9.48	88	6686	347.922	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	124663	86.200	ug/l	100
52) Toluene	10.39	92	130241	21.228	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	64421	19.791	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	73609	20.183	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33055	19.266	ug/l	94
56) Ethyl methacrylate	10.65	69	39388	18.597	ug/l	99
57) 1,3-Dichloropropane	10.94	76	57898	19.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	89579	93.302	ug/l	97
59) 2-Hexanone	10.98	43	89303	90.899	ug/l	99
60) Dibromochloromethane	11.13	129	39867	19.231	ug/l	95
61) 1,2-Dibromoethane	11.24	107	30770	19.235	ug/l	98
64) Tetrachloroethene	10.87	164	45942	20.417	ug/l	97
65) Chlorobenzene	11.66	112	141186	20.977	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	49129	20.282	ug/l	99
67) Ethyl Benzene	11.74	91	249918	20.920	ug/l	99
68) m/p-Xylenes	11.85	106	192049	42.551	ug/l	100
69) o-Xylene	12.17	106	88242	20.876	ug/l	99
70) Styrene	12.19	104	146537	20.600	ug/l	100
71) Bromoform	12.35	173	24558	19.099	ug/l #	100
73) Isopropylbenzene	12.47	105	257371	21.482	ug/l	100
74) N-amyl acetate	12.28	43	47277	17.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	36412	18.297	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26564m	18.038	ug/l	
77) Bromobenzene	12.75	156	58279	20.754	ug/l	96
78) n-propylbenzene	12.81	91	313030	21.581	ug/l	99
79) 2-Chlorotoluene	12.90	91	176199	20.996	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	224180	21.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11613	17.761	ug/l	97
82) 4-Chlorotoluene	12.99	91	189228	21.342	ug/l	99
83) tert-Butylbenzene	13.21	119	189556	21.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	230368	21.913	ug/l	99
85) sec-Butylbenzene	13.39	105	278199	21.917	ug/l	100
86) p-Isopropyltoluene	13.51	119	250840	22.047	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	119934	20.888	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	119167	20.868	ug/l	100
89) n-Butylbenzene	13.83	91	235407	21.936	ug/l	99
90) Hexachloroethane	14.10	117	42832	20.771	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	103833	20.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6598	17.402	ug/l	100

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ClientSampleId :
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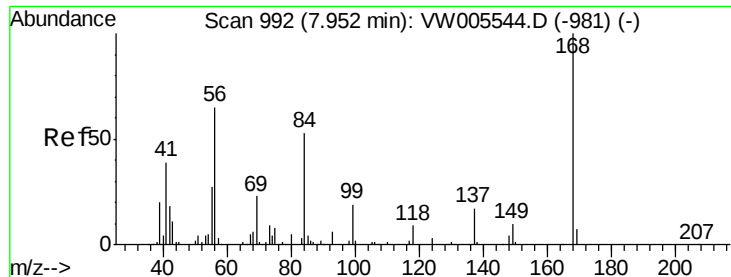
Manual Integrations
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9/28/2018 11:06:21 AM

Quant Time: Sep 28 01:45:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	75253	20.812	ug/l	99
94) Hexachlorobutadiene	15.25	225	51725	22.081	ug/l	99
95) Naphthalene	15.38	128	115276	18.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	65746	20.633	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion:168 Resp: 235089

Ion Ratio Lower Upper

168 100

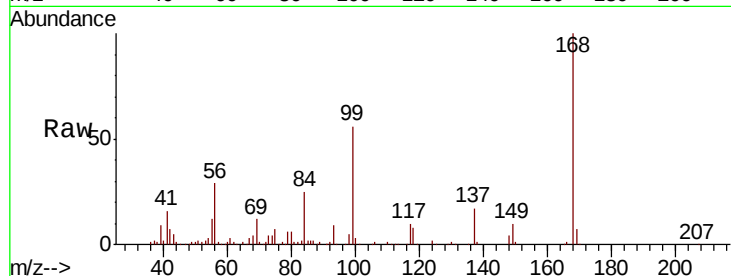
99 56.0 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

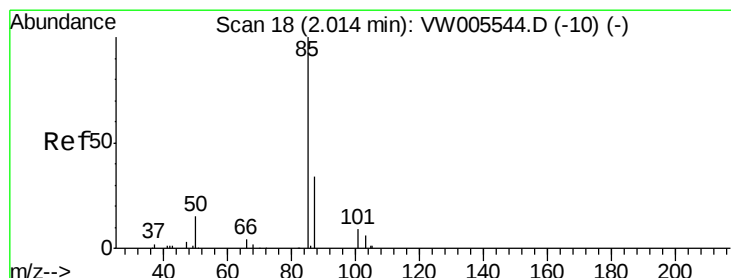
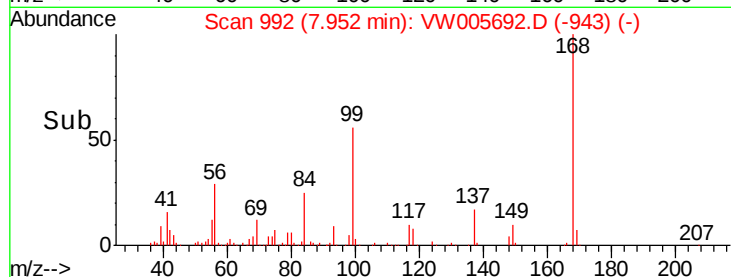
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.826 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005692.D

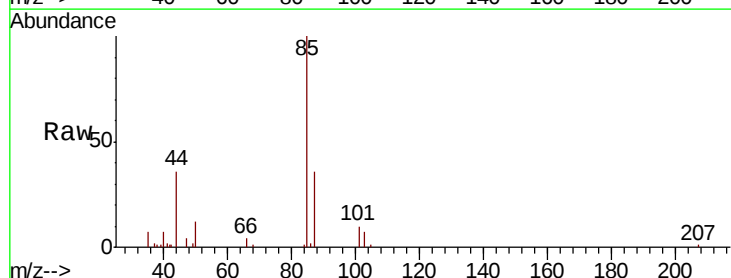
Acq: 27 Sep 2018 11:51

Tgt Ion: 85 Resp: 29492

Ion Ratio Lower Upper

85 100

87 36.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

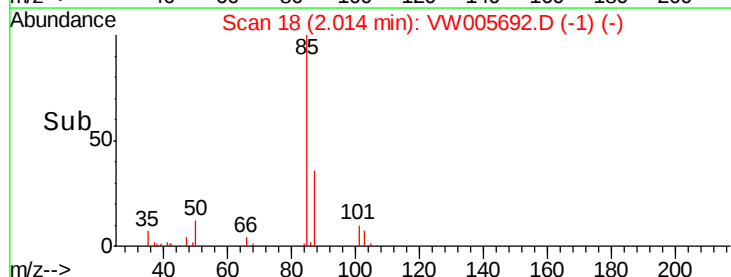
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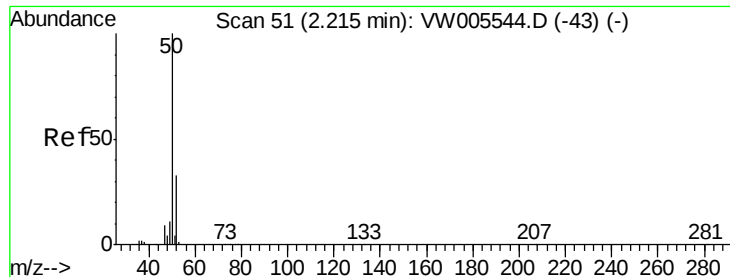
4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.021 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 50 Resp: 32166

Ion Ratio Lower Upper

50 100

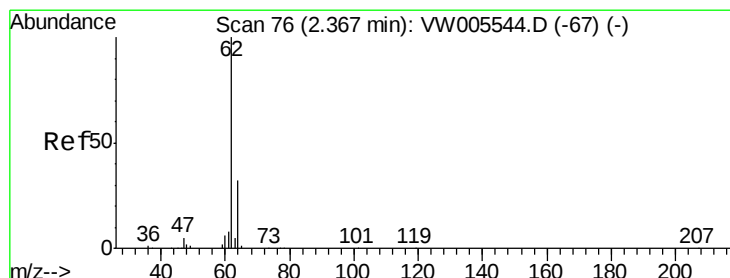
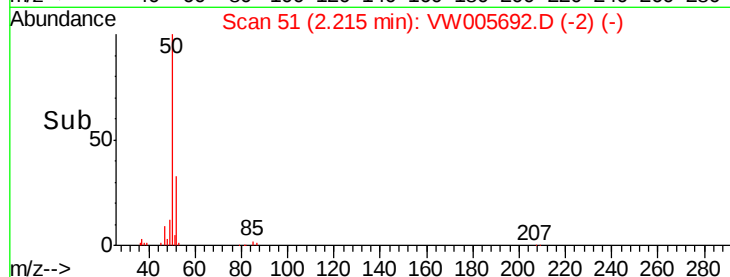
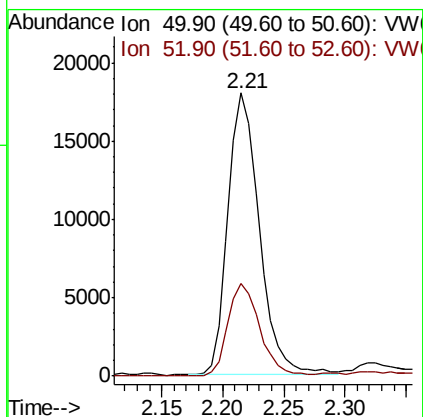
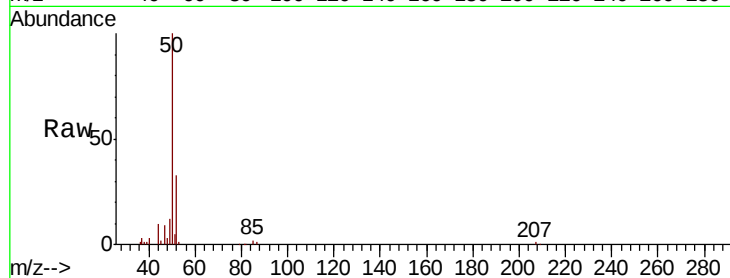
52 33.0 26.2 39.4

Manual Integrations

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9/28/2018 11:06:21 AM



#4

Vinyl Chloride

Concen: 22.100 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005692.D

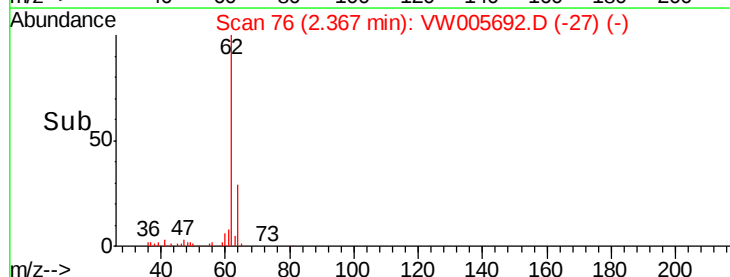
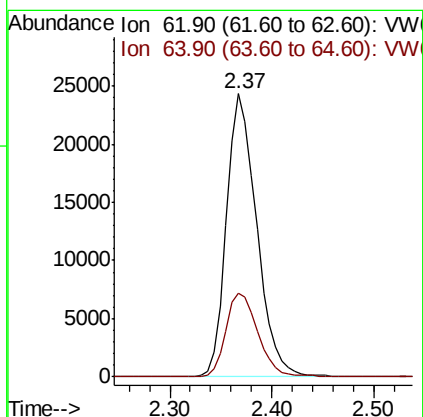
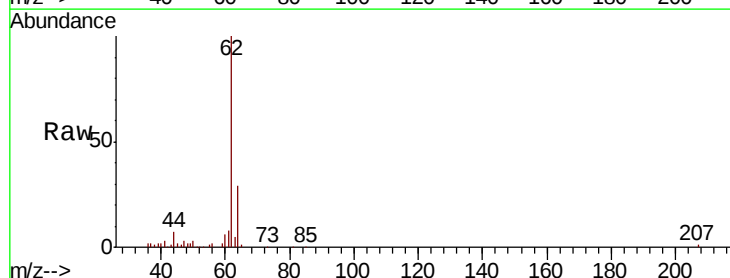
Acq: 27 Sep 2018 11:51

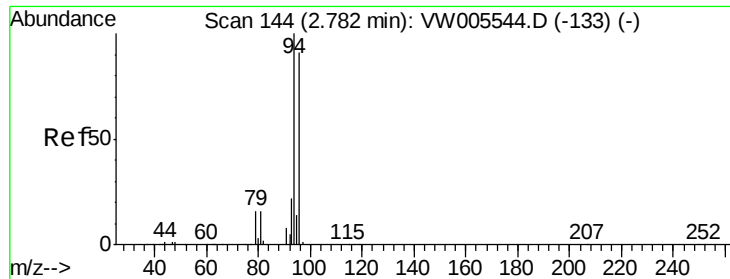
Tgt Ion: 62 Resp: 49921

Ion Ratio Lower Upper

62 100

64 29.5 25.7 38.5





#5

Bromomethane

Concen: 19.936 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 94 Resp: 30433

Ion Ratio Lower Upper

94 100

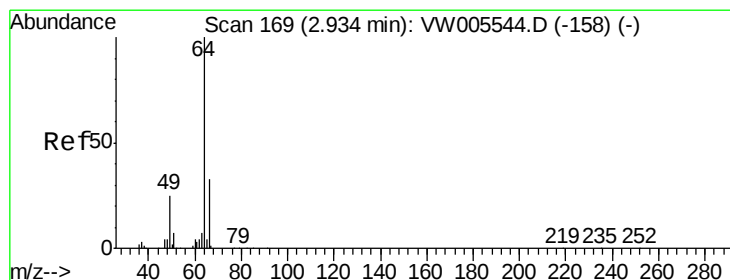
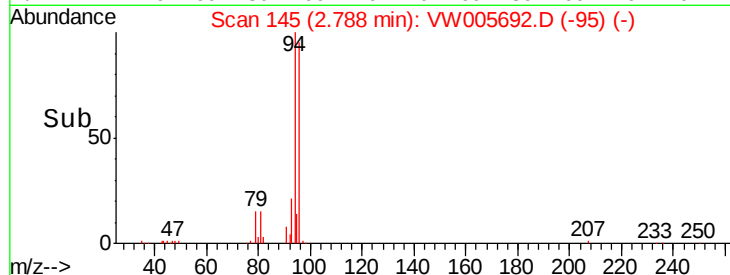
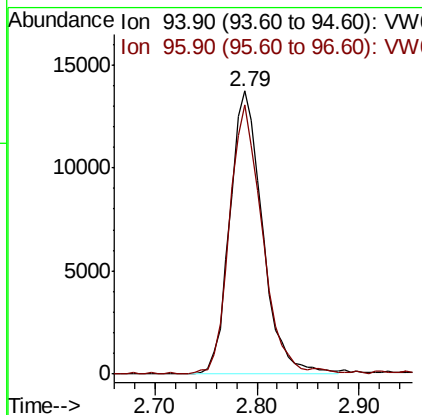
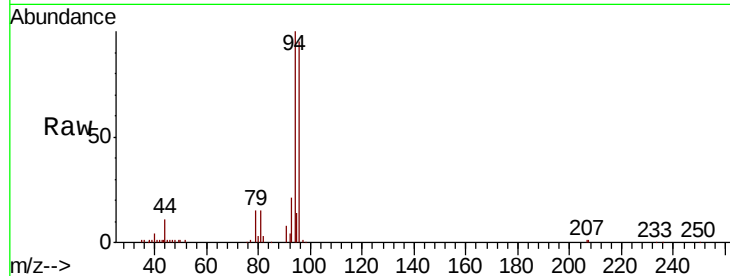
96 95.2 73.1 109.7

Manual Integrations

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9/28/2018 11:06:21 AM



#6

Chloroethane

Concen: 19.681 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005692.D

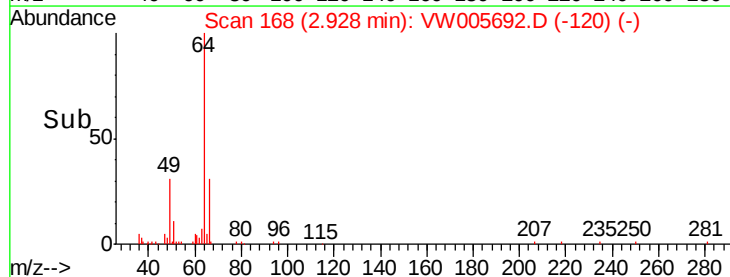
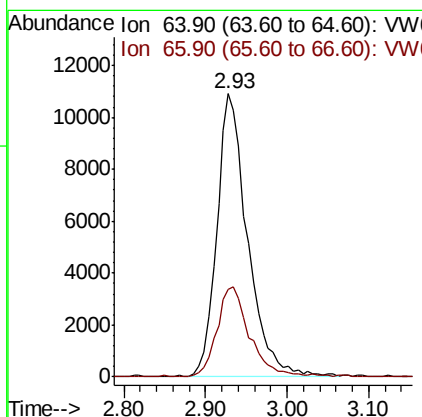
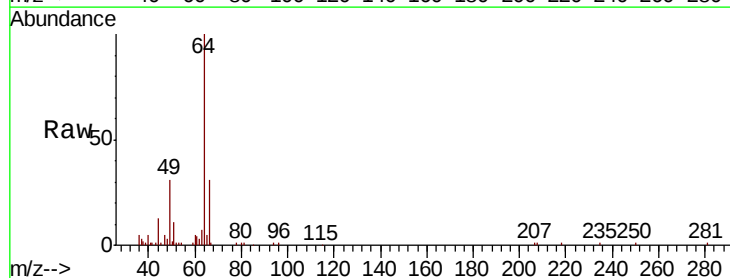
Acq: 27 Sep 2018 11:51

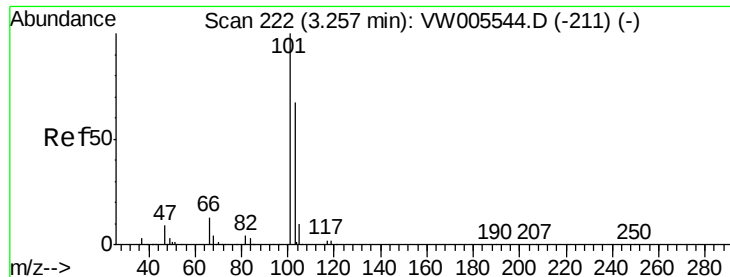
Tgt Ion: 64 Resp: 28527

Ion Ratio Lower Upper

64 100

66 30.9 26.0 39.0





#7

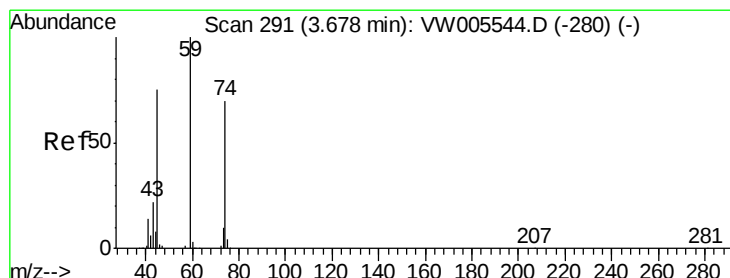
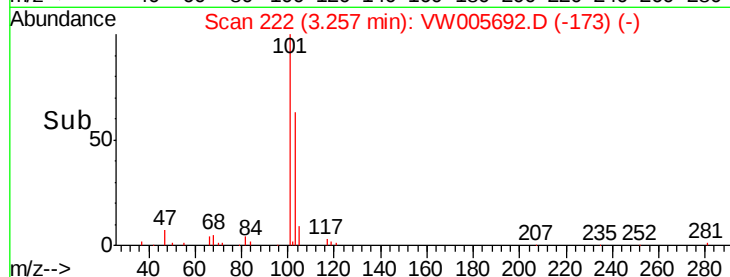
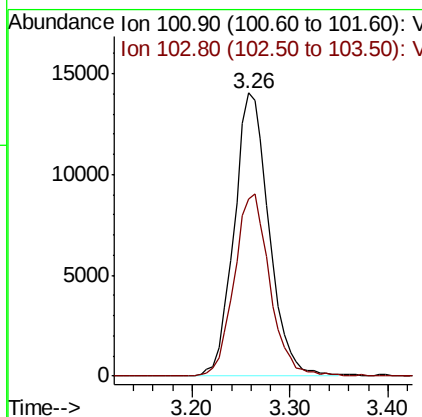
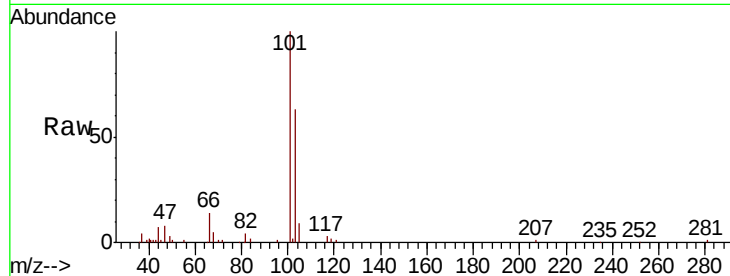
Trichlorofluoromethane
 Concen: 19.632 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
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 ClientSampleId :
 VW0927SBS01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	62.5	53.2	79.8	

Manual Integrations
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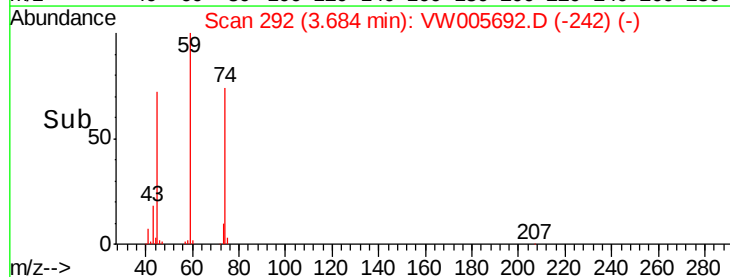
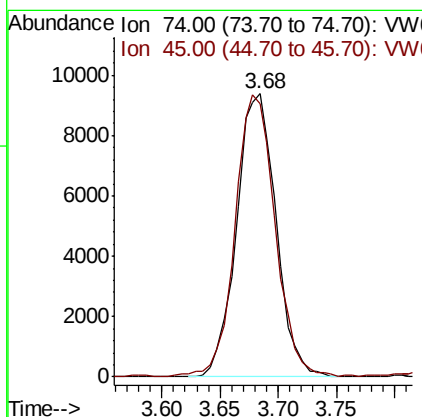
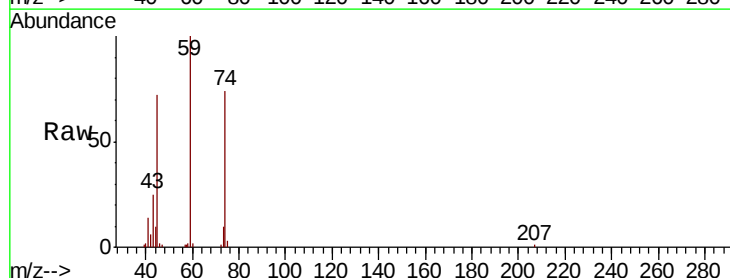
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 9/28/2018 11:06:21 AM

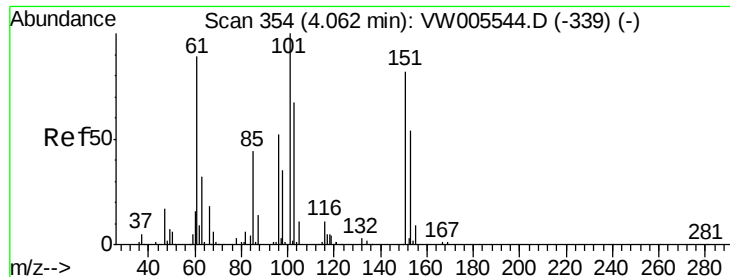


#8

Diethyl Ether
 Concen: 19.189 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	101.4	51.7	155.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.317 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

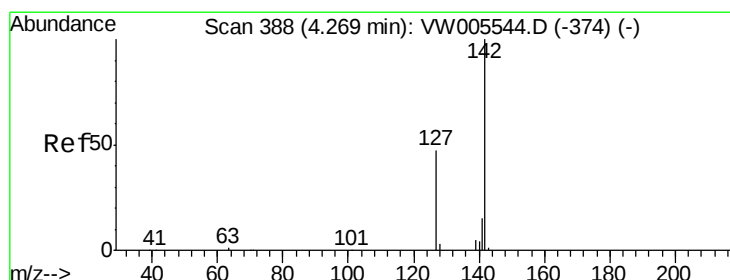
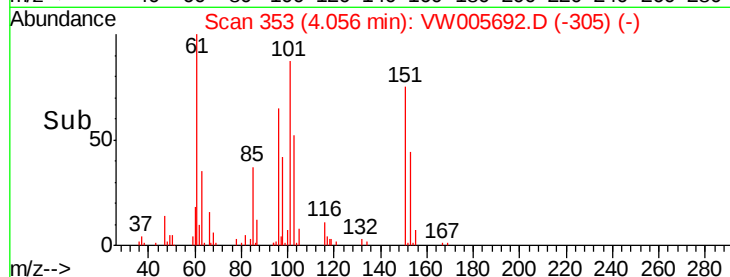
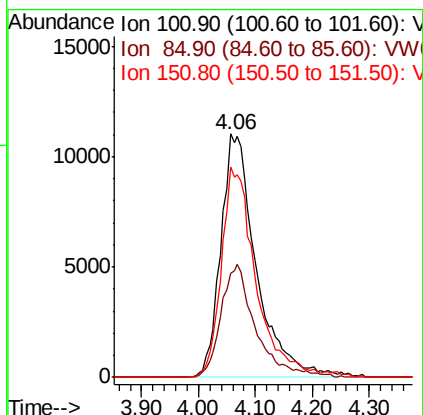
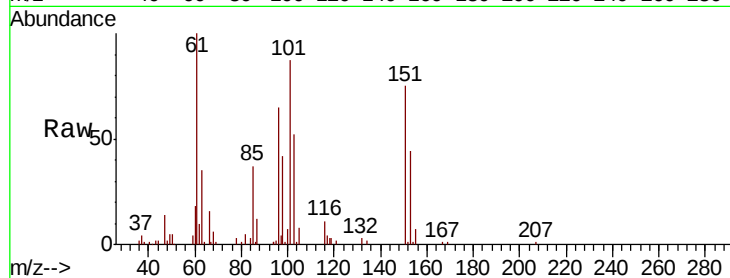
ClientSampleId :

VW0927SBS01

Tot Ion:	101	Resp:	47674
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.4	54.6
151	83.8	65.8	98.6

Manual Integrations
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MMDadoda
9/28/2018 11:06:21 AM



#10

Methyl Iodide

Concen: 20.395 ug/l

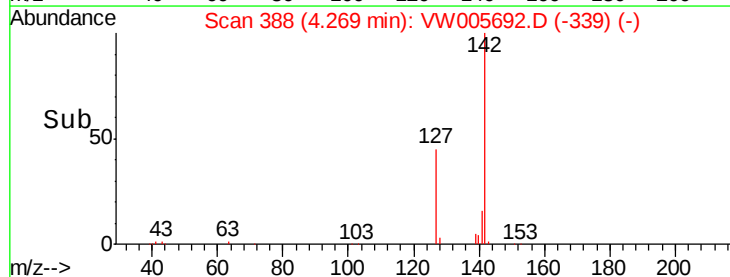
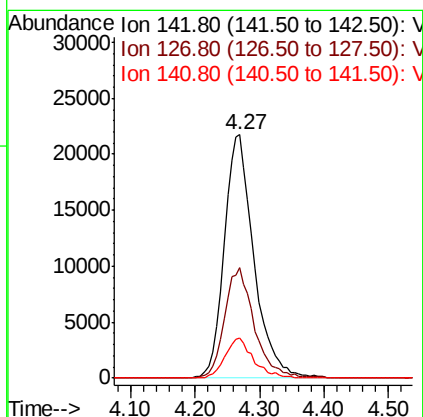
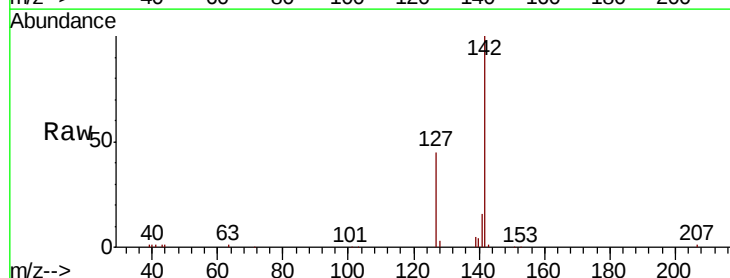
RT: 4.27 min Scan# 388

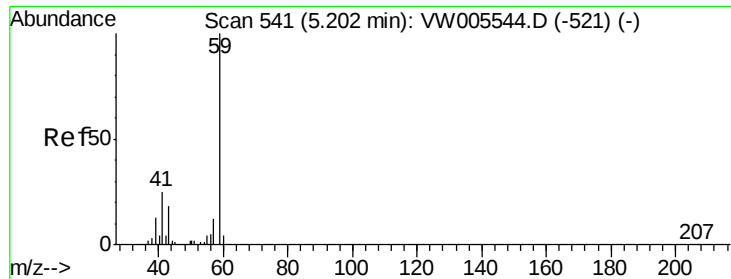
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	142	Resp:	70147
Ion Ratio	Lower	Upper	
142	100		
127	45.2	37.4	56.0
141	15.7	11.9	17.9





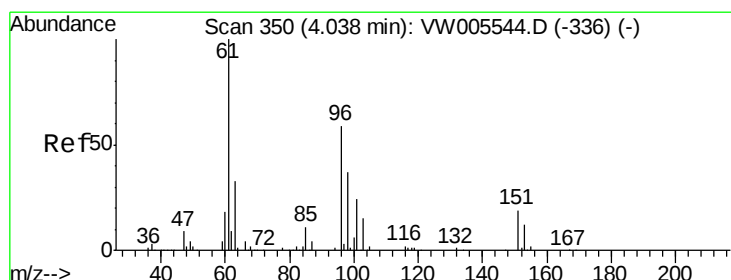
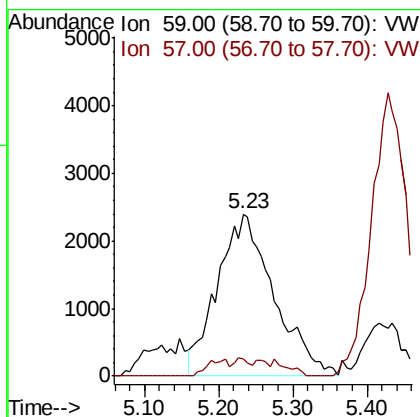
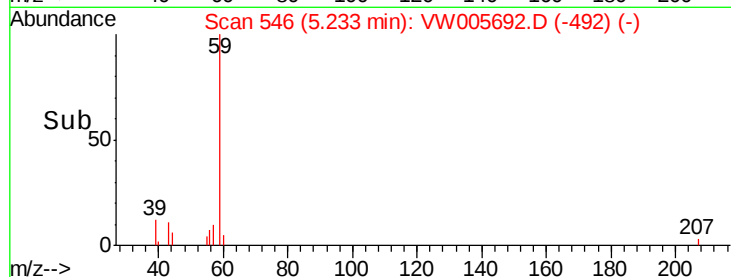
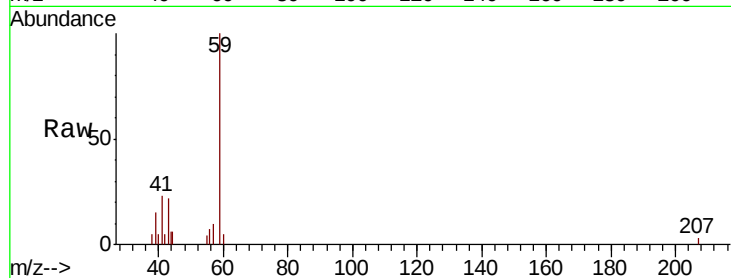
#11
Tert butyl alcohol
Concen: 86.959 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.03 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion: 59 Resp: 12656
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

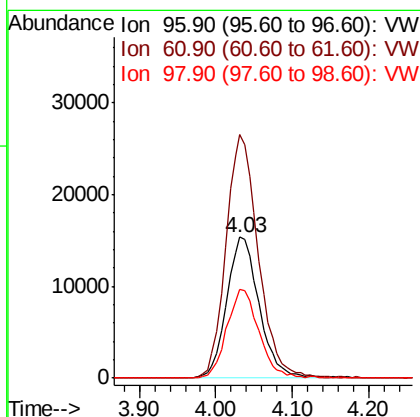
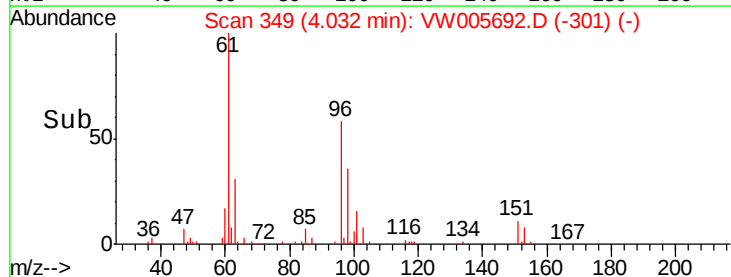
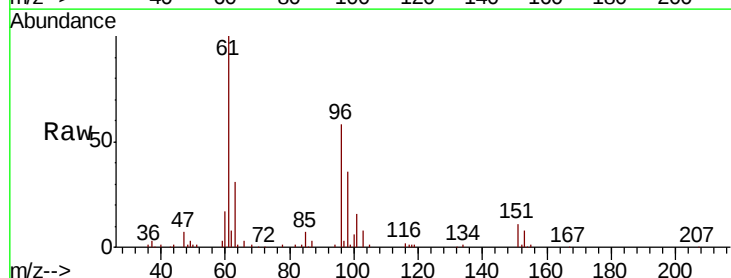
Manual Integrations
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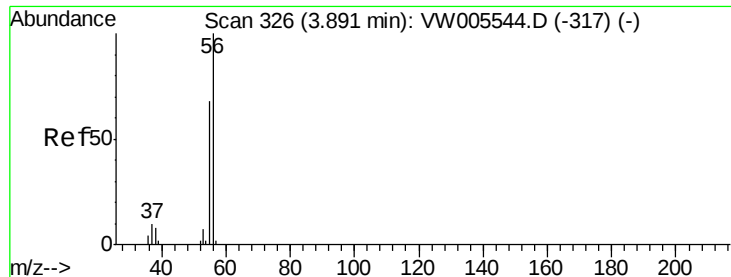
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.100 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 96 Resp: 45176
Ion Ratio Lower Upper
96 100
61 172.8 135.0 202.6
98 62.8 50.6 76.0





#13

Acrolein

Concen: 90.063 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 56 Resp: 9816

Ion Ratio Lower Upper

56 100

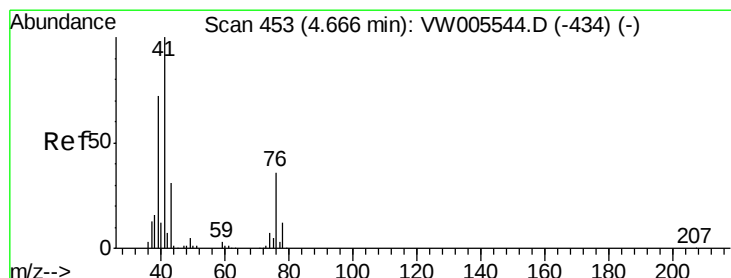
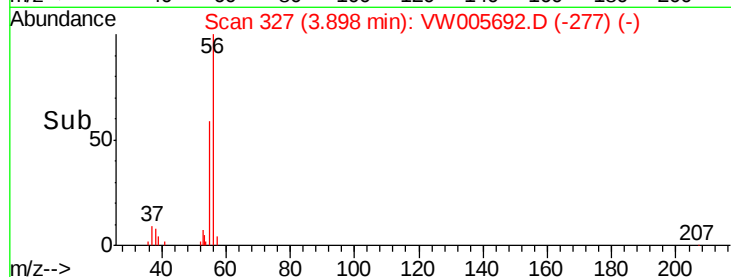
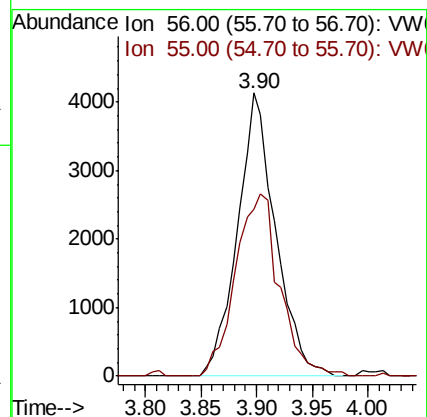
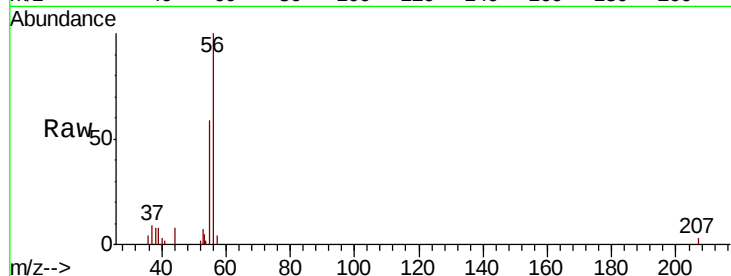
55 74.6 57.8 86.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.857 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

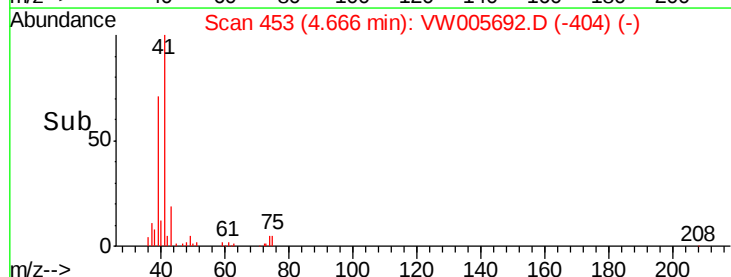
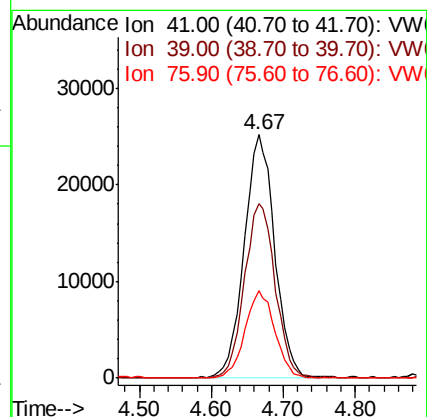
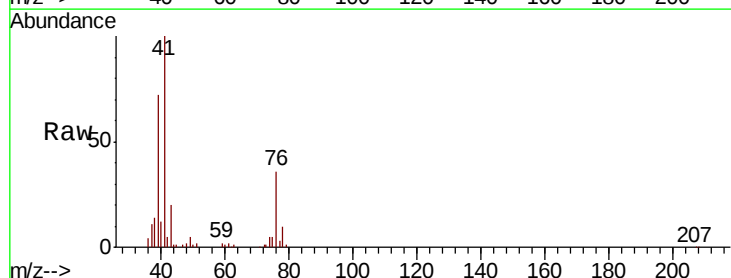
Tgt Ion: 41 Resp: 74197

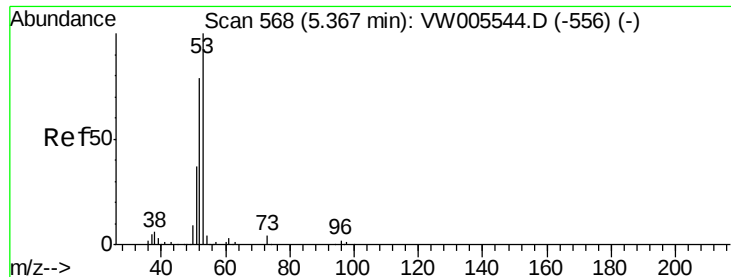
Ion Ratio Lower Upper

41 100

39 72.1 59.6 89.4

76 34.8 27.7 41.5





#15

Acrylonitrile

Concen: 85.126 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

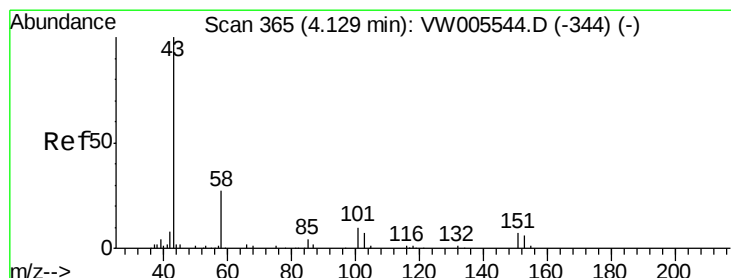
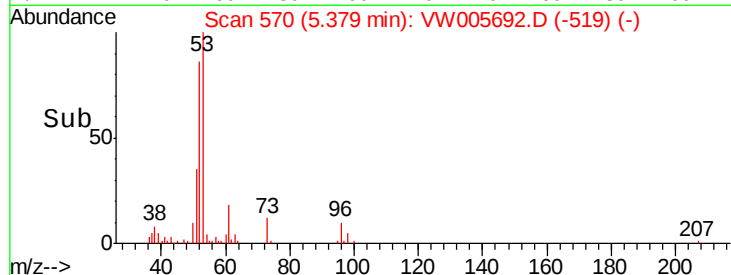
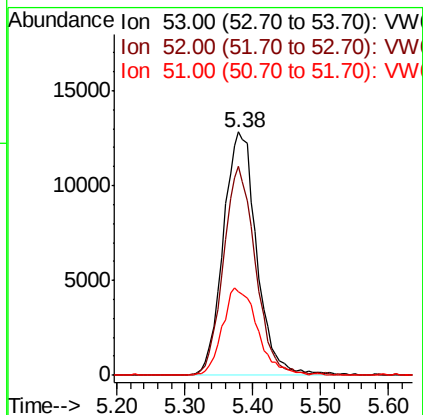
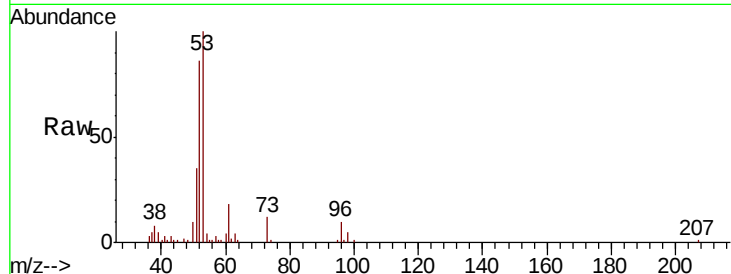
ClientSampleId :

VW0927SBS01

Tot Ion:	53	Resp:	43619
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	37.9	30.6	46.0

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#16

Acetone

Concen: 107.344 ug/l

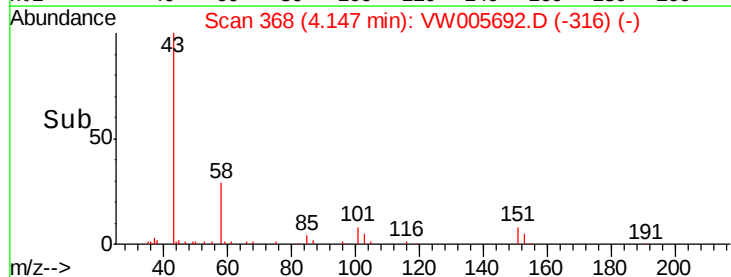
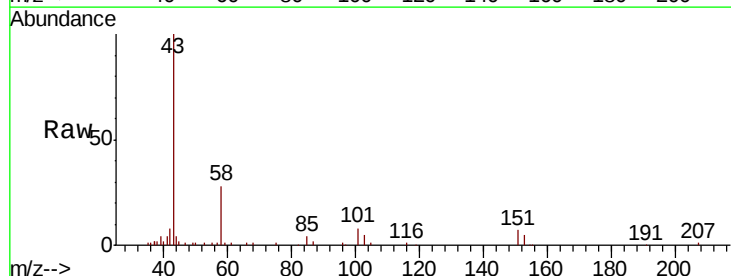
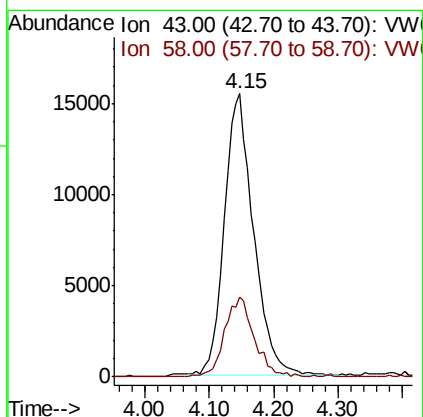
RT: 4.15 min Scan# 368

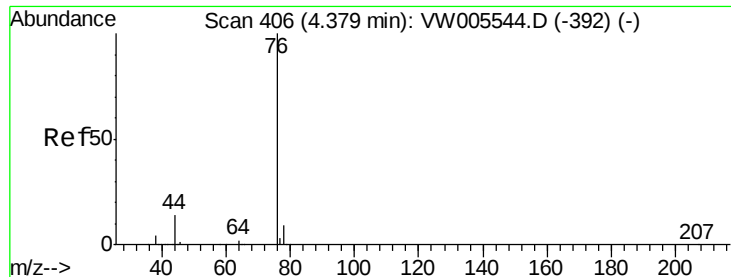
Delta R.T. 0.02 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	43	Resp:	49081
Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.8	32.8





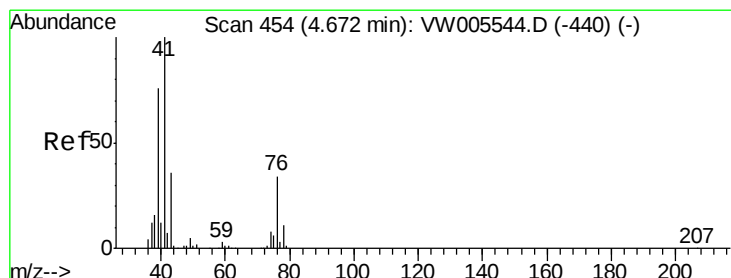
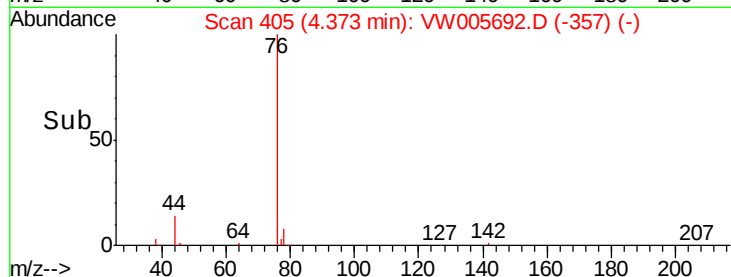
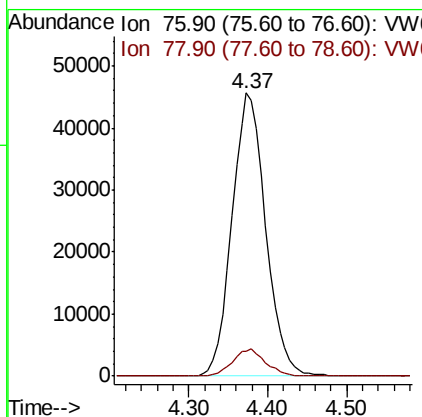
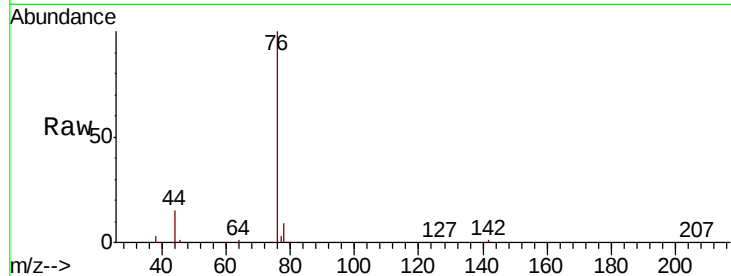
#17
Carbon Disulfide
Concen: 20.224 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

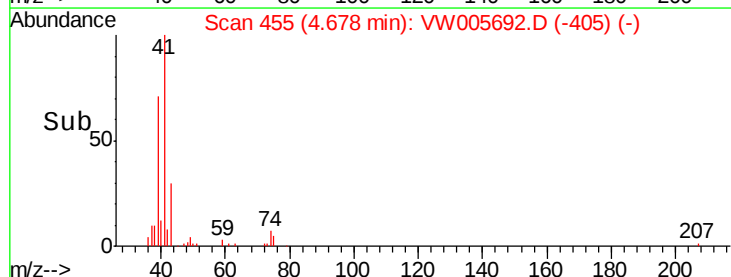
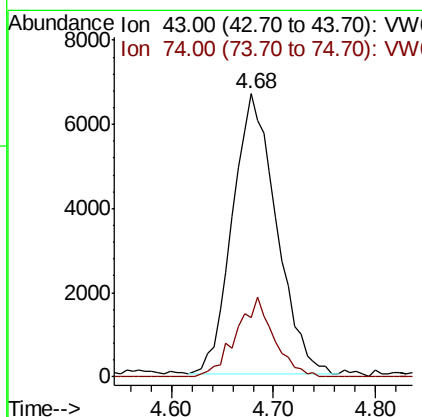
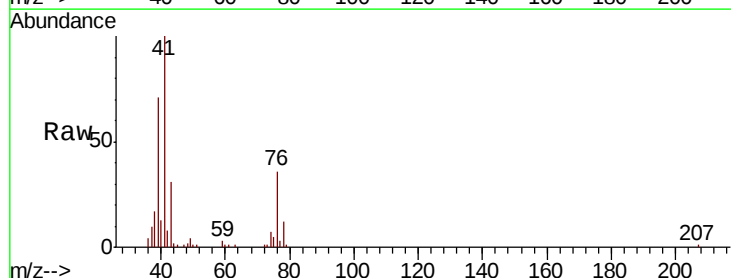
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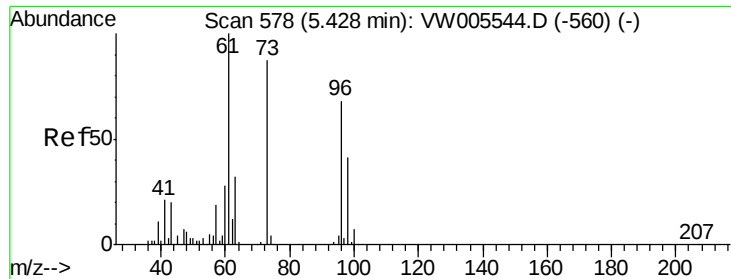
MMDadoda
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#18
Methyl Acetate
Concen: 15.157 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





#19

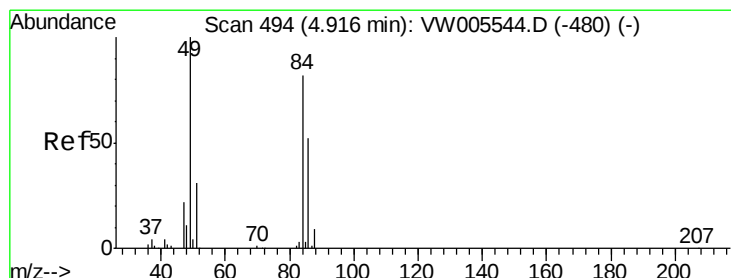
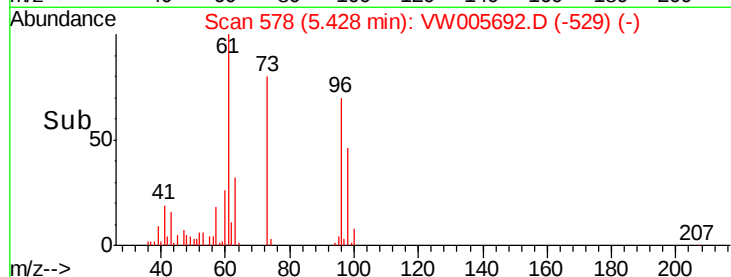
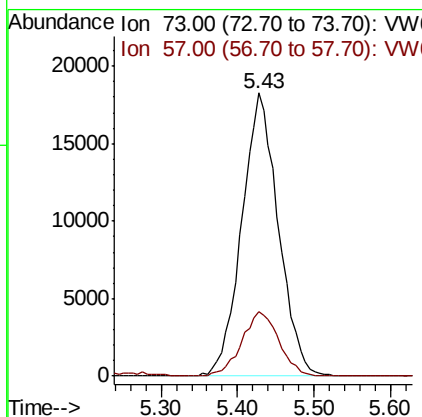
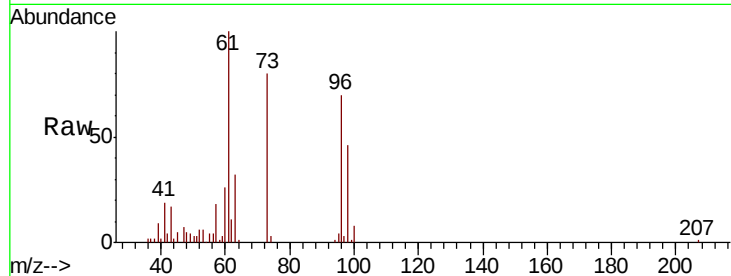
Methyl tert-butyl Ether
 Concen: 18.349 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.6	26.4

Manual Integrations
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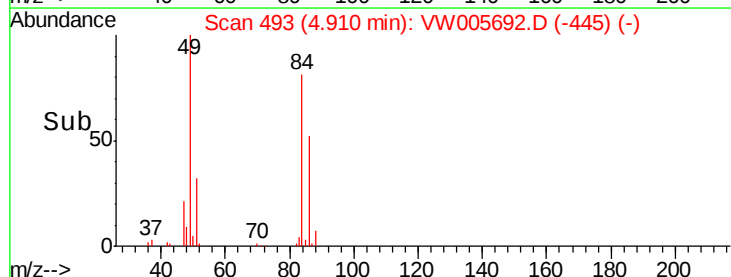
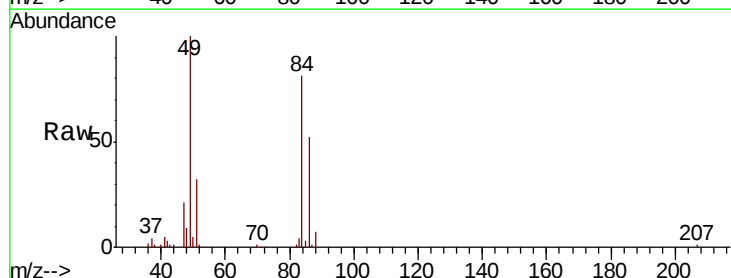
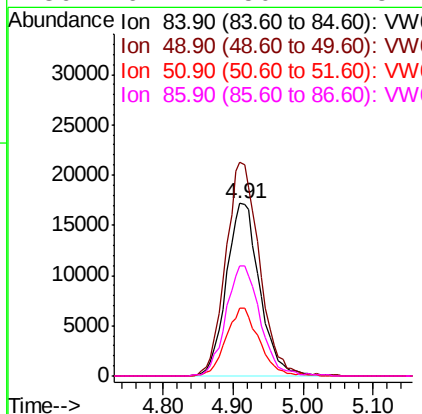
MMDadoda
 9/28/2018 11:06:21 AM

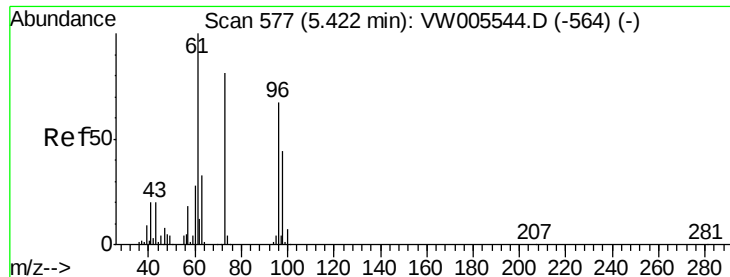


#20

Methylene Chloride
 Concen: 22.044 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	97.0	145.6
51	39.1	30.2	45.2
86	64.2	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 19.975 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

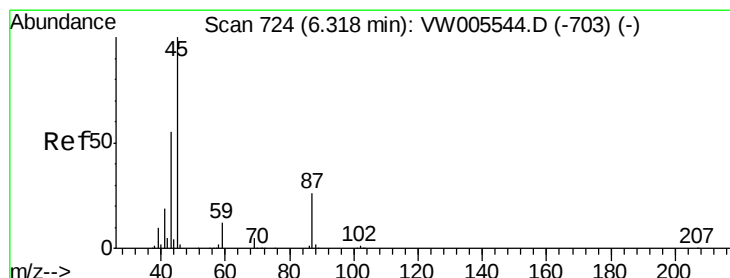
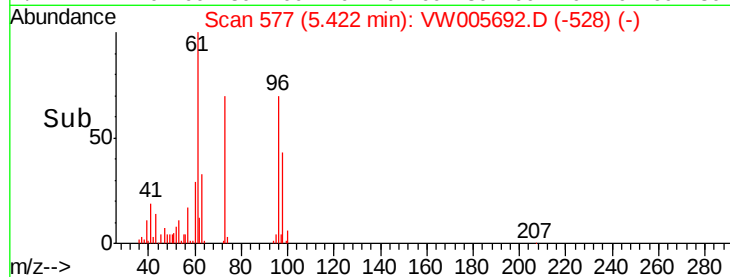
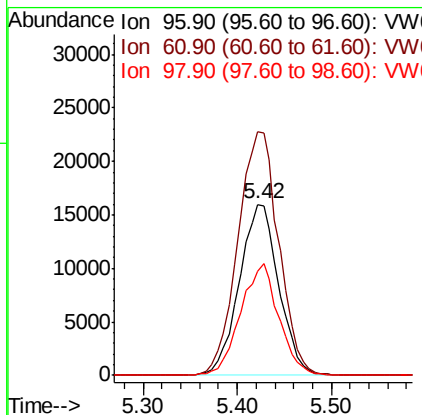
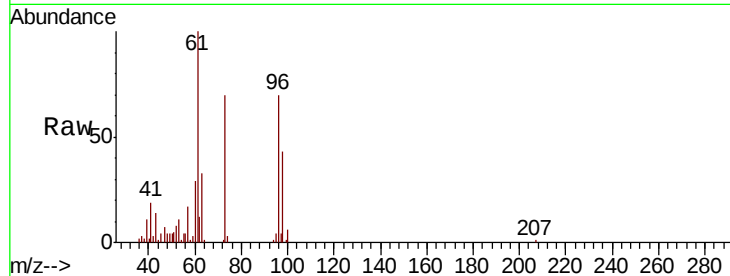
ClientSampled :

VW0927SBS01

Tot Ion:	96	Resp:	46842
Ion	Ratio	Lower	Upper
96	100		
61	142.4	118.9	178.3
98	60.9	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.524 ug/l

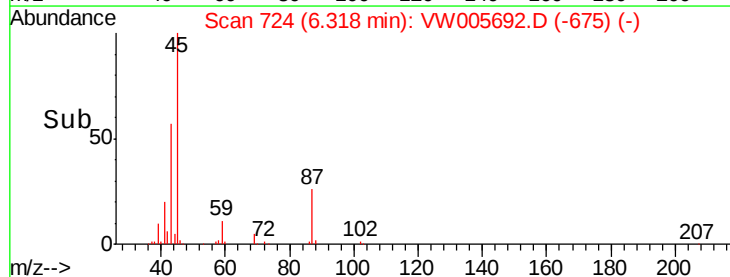
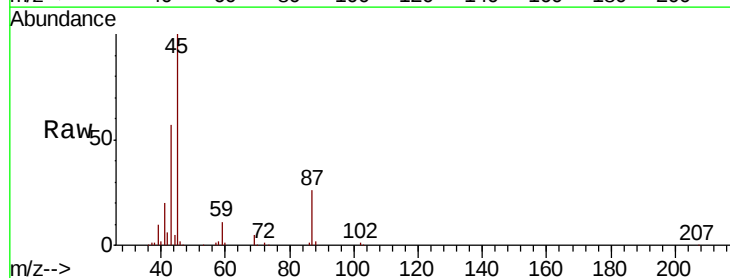
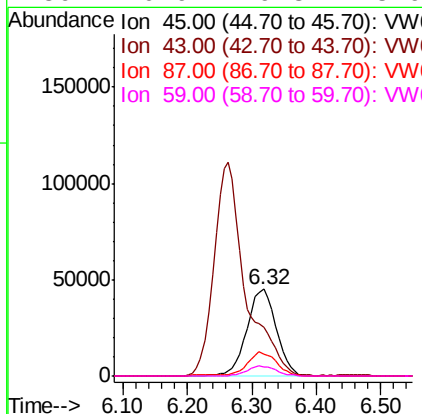
RT: 6.32 min Scan# 724

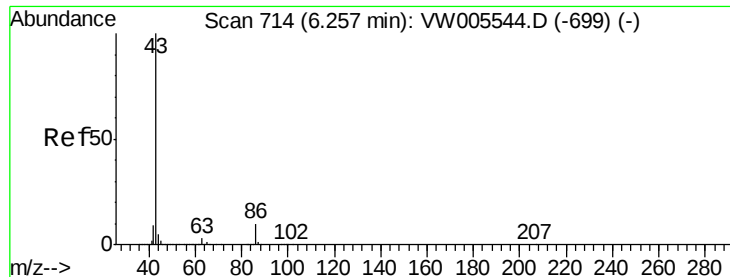
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	45	Resp:	141619
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.2	66.4
87	25.7	21.4	32.2
59	10.9	9.3	13.9





#23

Vinyl Acetate

Concen: 91.088 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 43 Resp: 377650

Ion Ratio Lower Upper

43 100

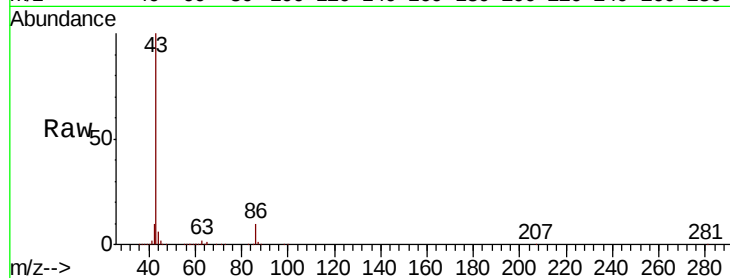
86 10.0 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

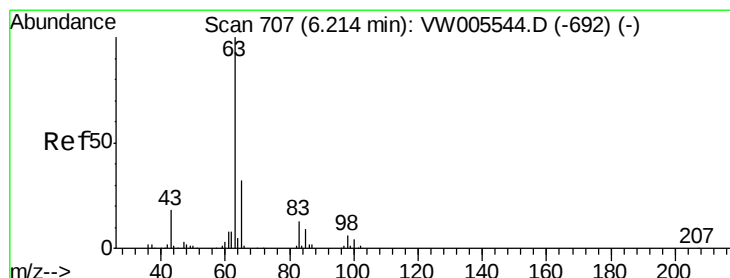
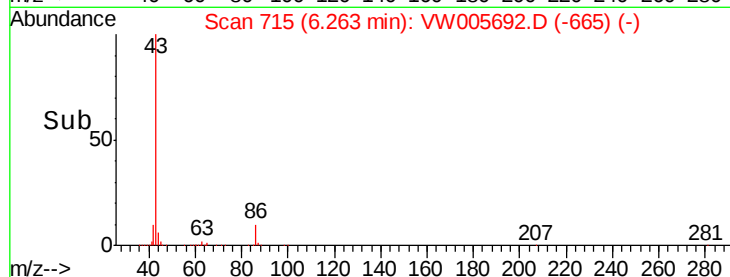
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.868 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

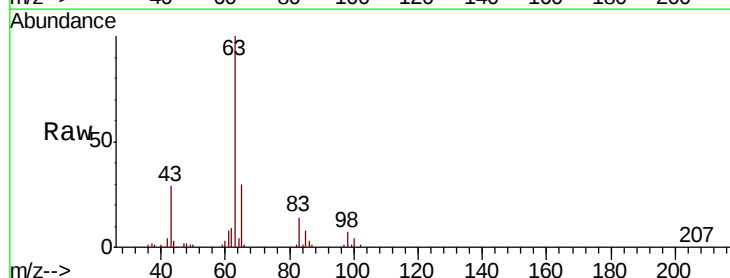
Tgt Ion: 63 Resp: 89040

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 4.2 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

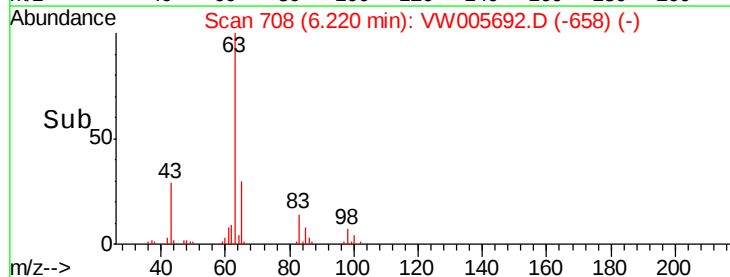
30000

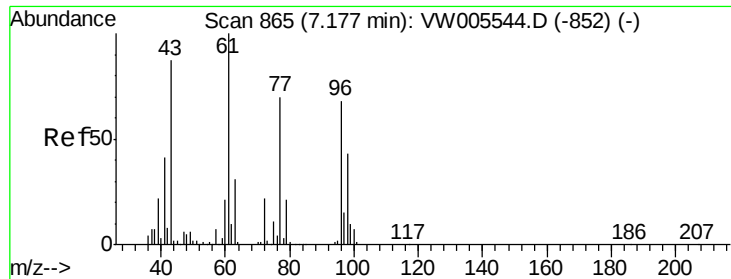
20000

10000

0

Time-->





#25

2-Butanone

Concen: 85.612 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 43 Resp: 57587

Ion Ratio Lower Upper

43 100

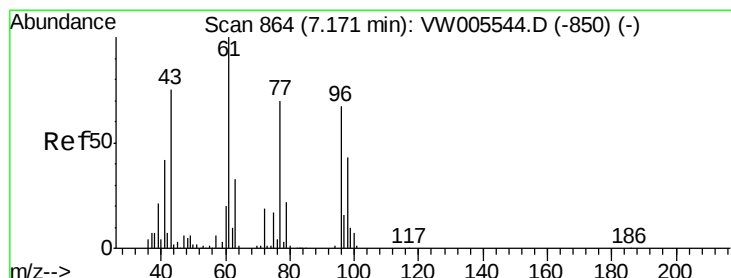
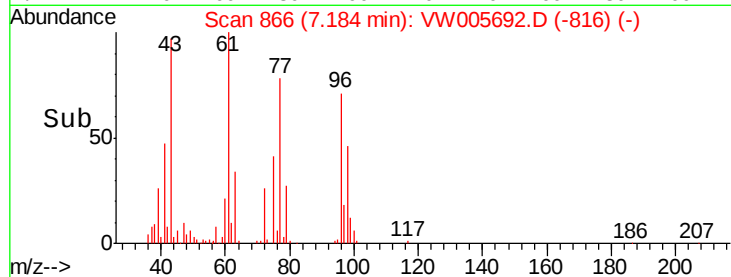
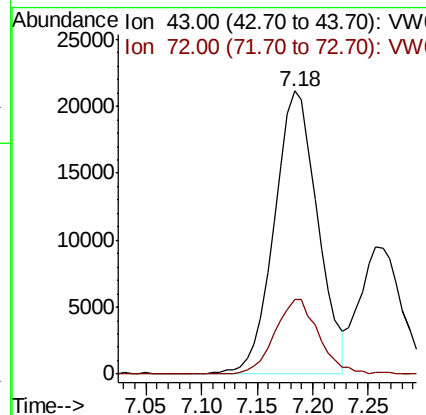
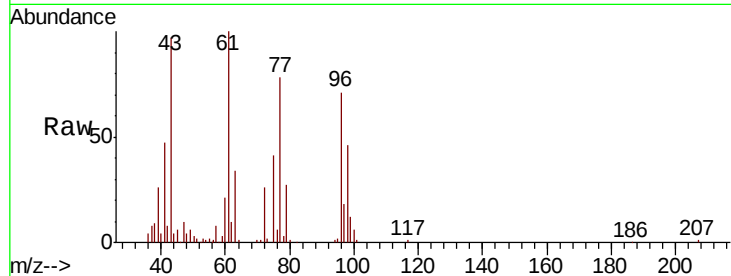
72 26.4 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.756 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005692.D

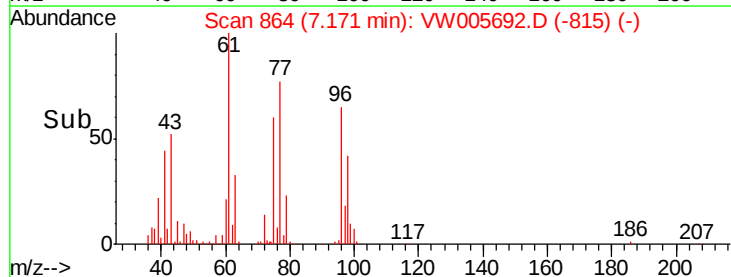
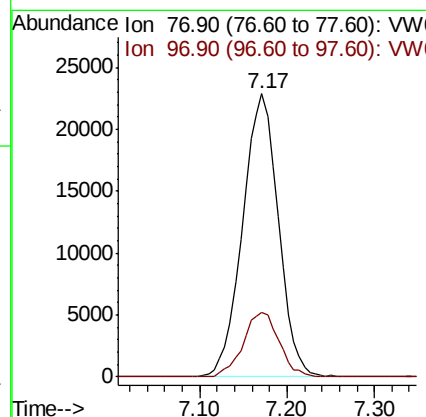
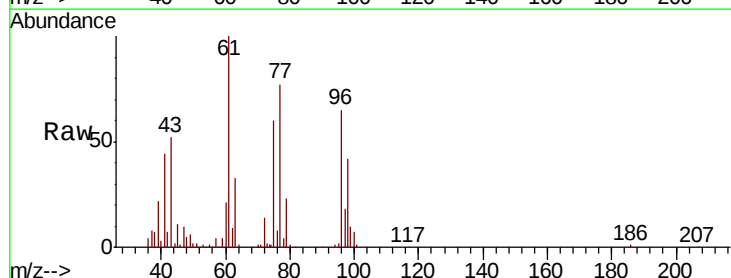
Acq: 27 Sep 2018 11:51

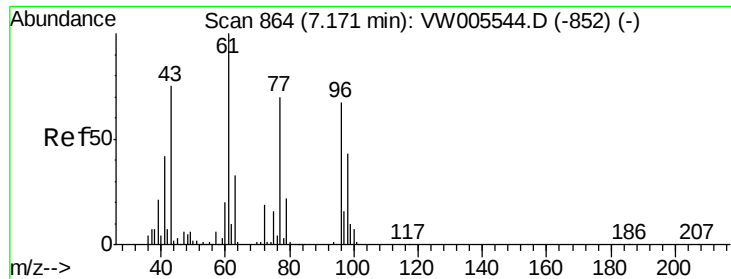
Tgt Ion: 77 Resp: 64940

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

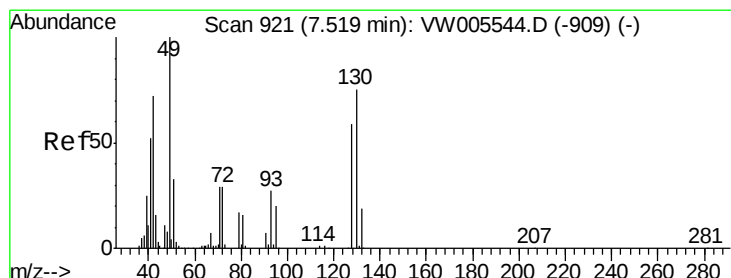
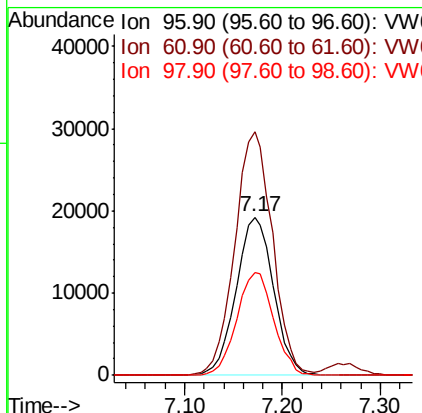
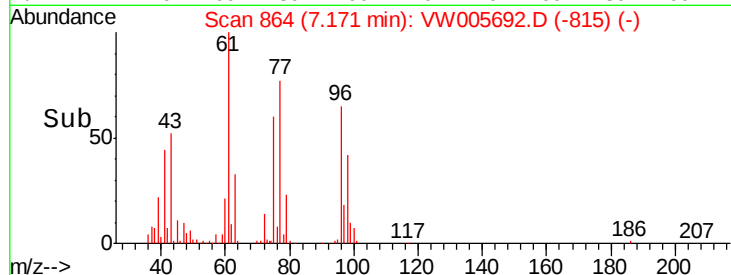
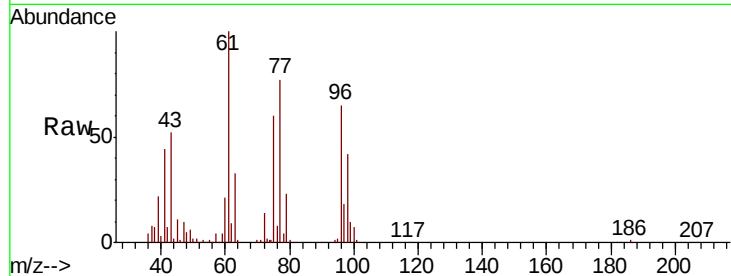
cis-1,2-Dichloroethene
 Concen: 19.676 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.4	0.0	303.4	
98	64.4	0.0	127.2	

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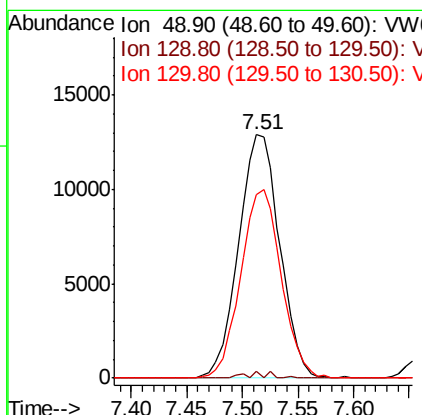
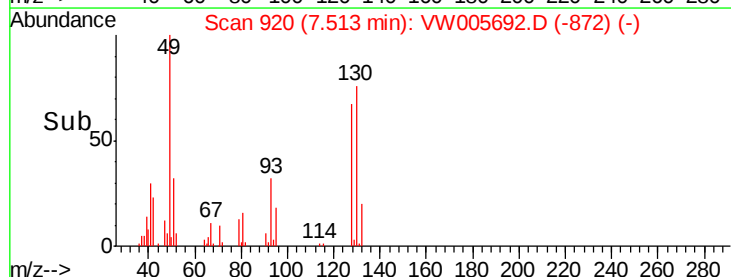
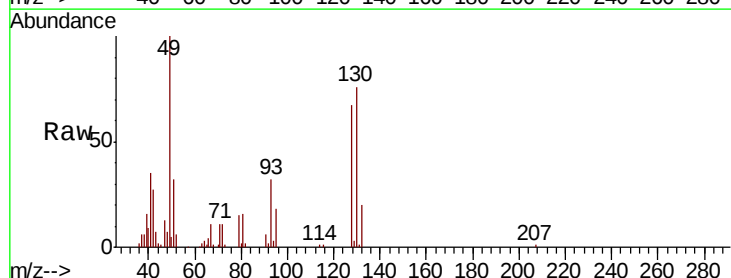
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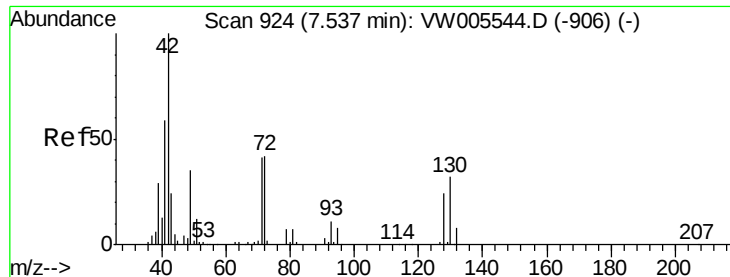


#28

Bromochloromethane
 Concen: 18.625 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	1.4	
130	76.5	61.3	91.9	





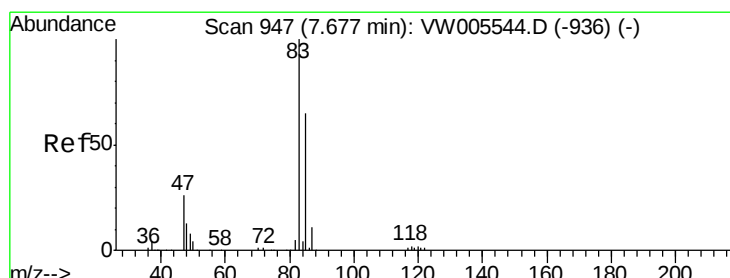
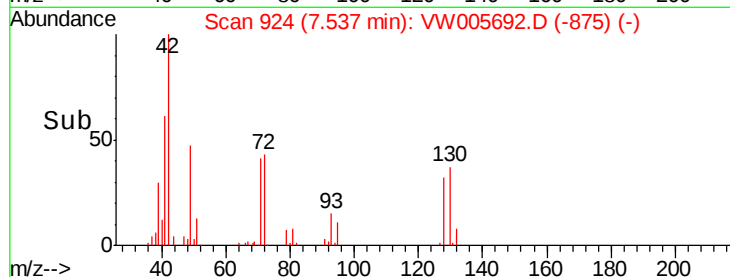
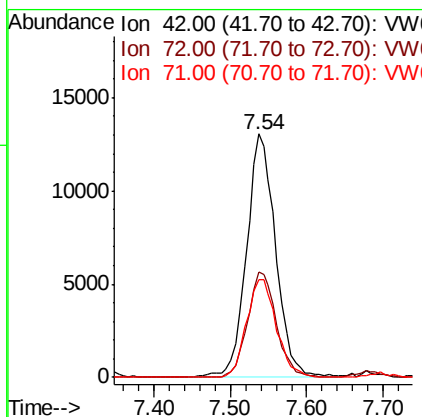
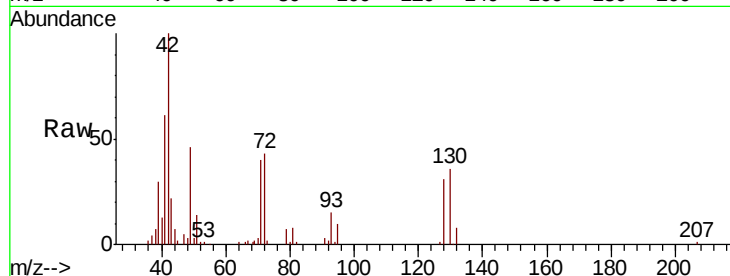
#29
Tetrahydrofuran
Concen: 82.267 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.6	50.4
71	40.9	31.8	47.6

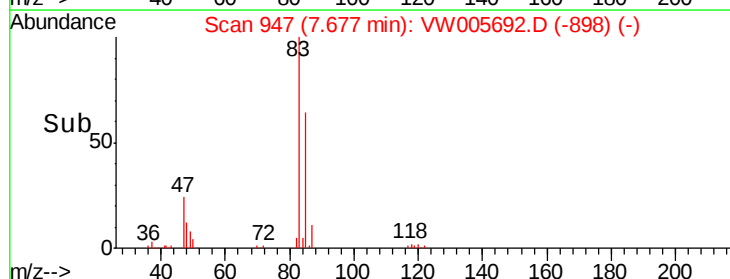
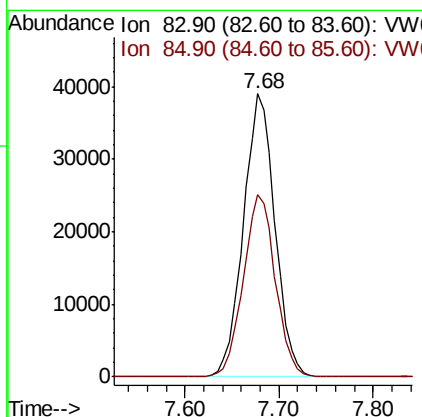
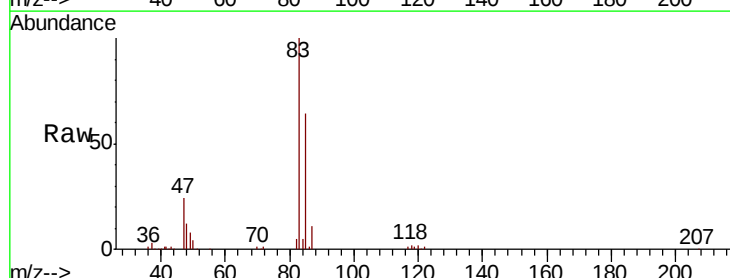
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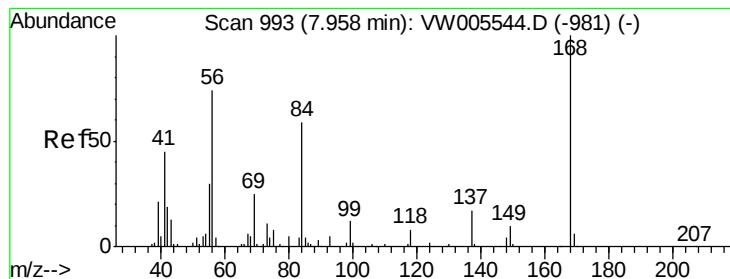
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#30
Chloroform
Concen: 19.794 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





#31

Cyclohexane

Concen: 19.819 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

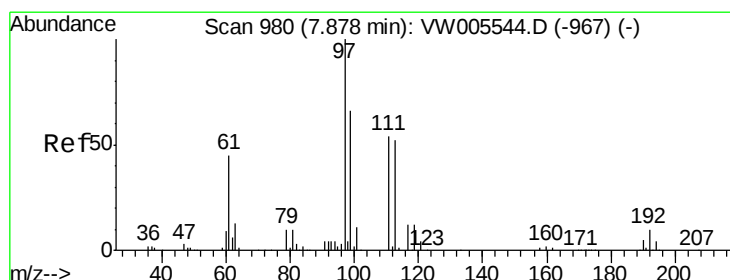
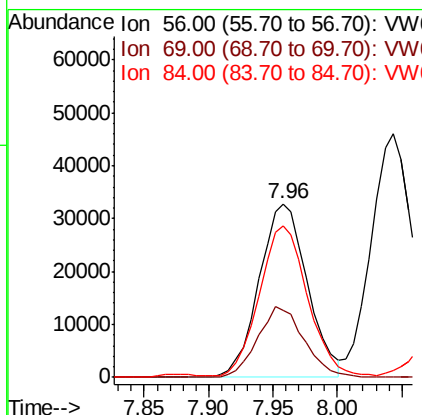
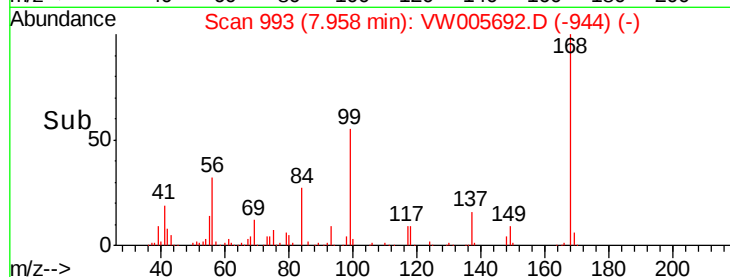
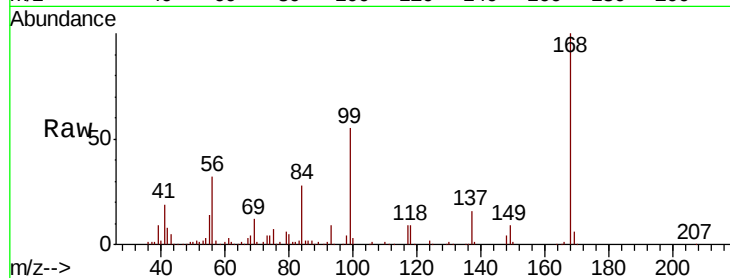
ClientSampleId :

VW0927SBS01

Tot Ion:	56	Resp:	85097
Ion Ratio	Lower	Upper	
56	100		
69	38.5	27.0	40.4
84	85.8	64.2	96.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.268 ug/l

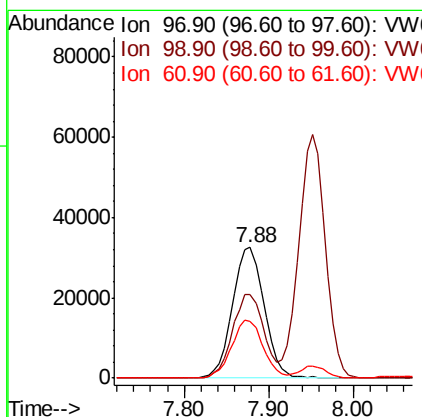
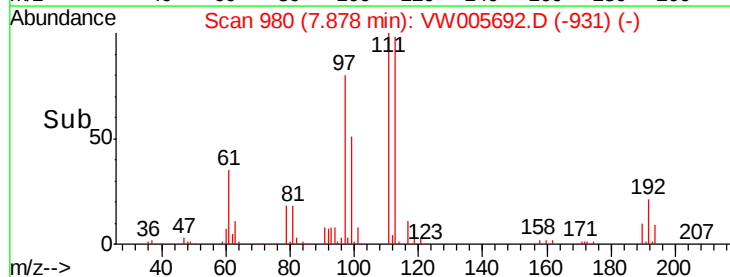
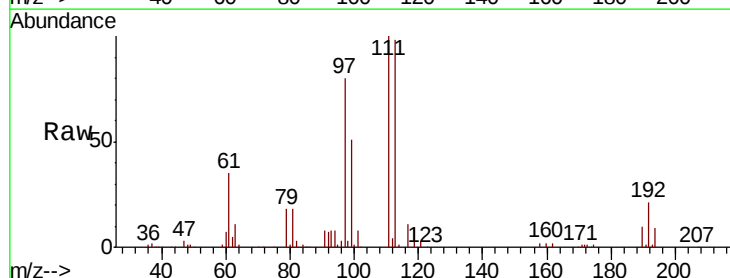
RT: 7.88 min Scan# 980

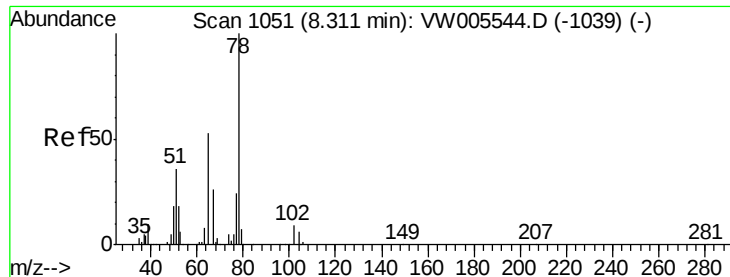
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	97	Resp:	82843
Ion Ratio	Lower	Upper	
97	100		
99	62.7	51.0	76.6
61	44.1	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 46.891 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 65 Resp: 129865

Ion Ratio Lower Upper

65 100

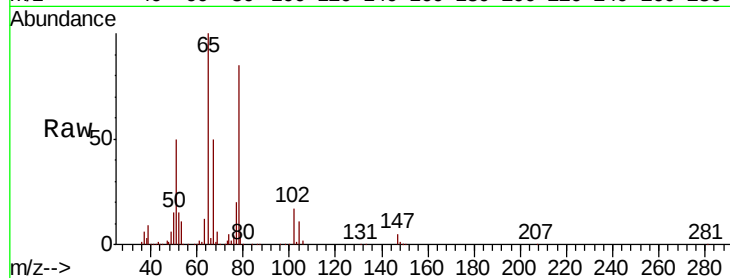
67 50.5 0.0 100.6

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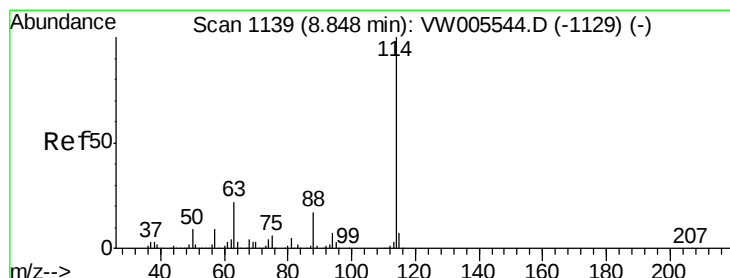
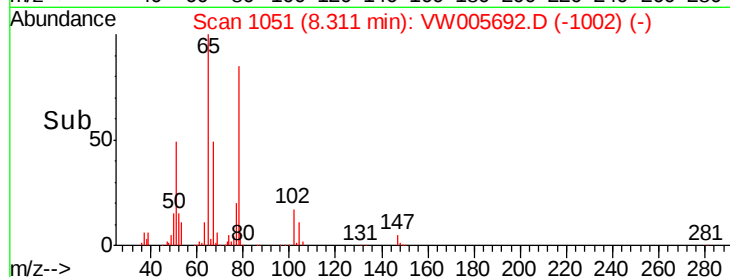
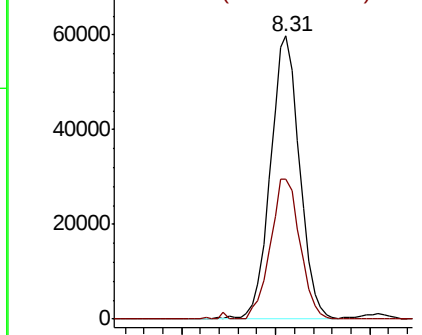
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

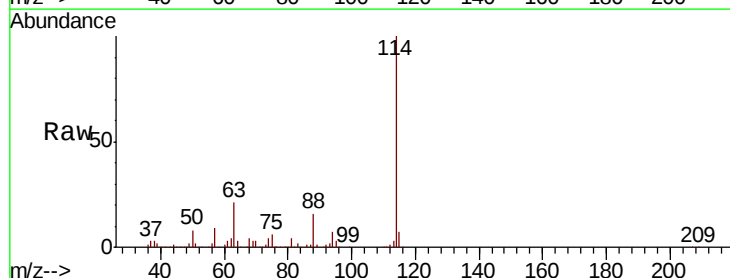
Tgt Ion: 114 Resp: 344748

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.0

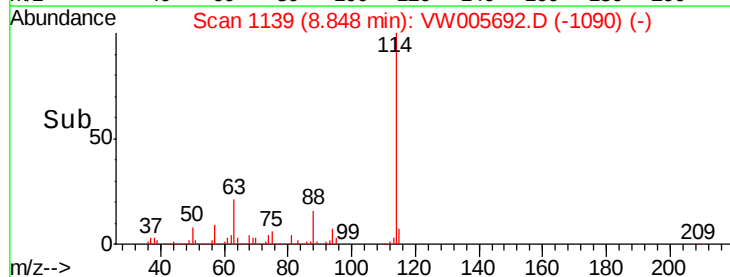
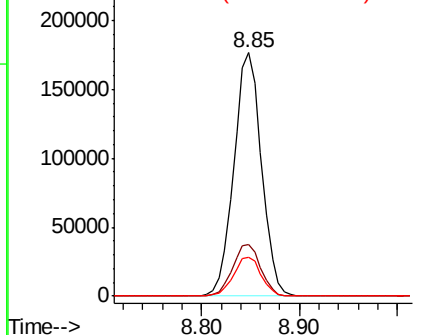
88 16.1 0.0 33.0

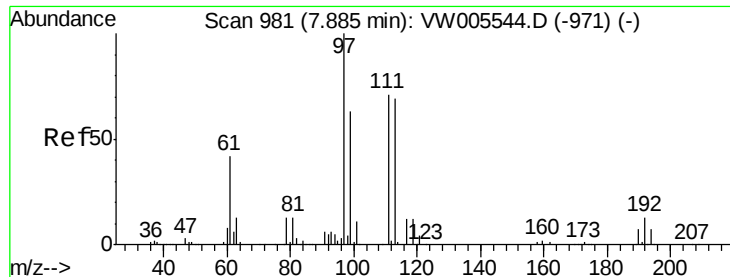


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.729 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

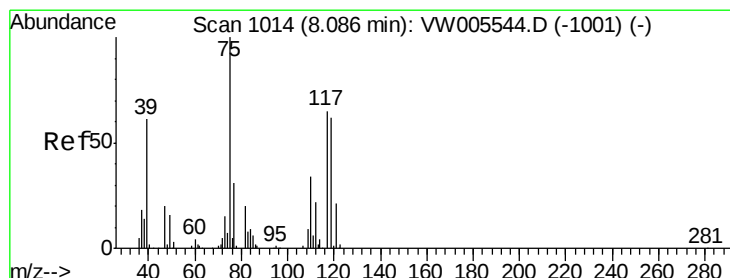
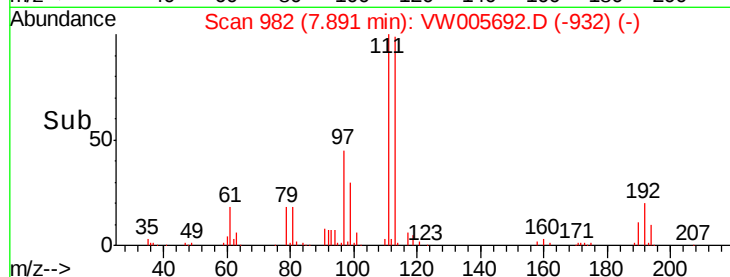
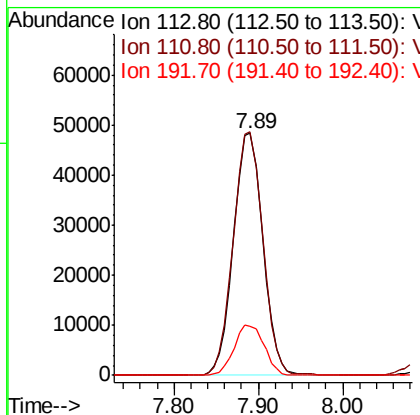
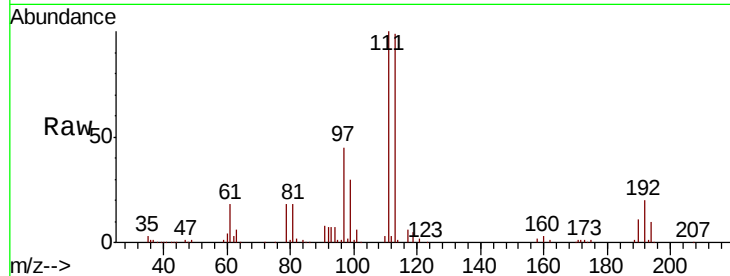
ClientSampleId :

VW0927SBS01

Tot Ion:	113	Resp:	114315
Ion Ratio	Lower	Upper	
113	100		
111	101.4	82.6	123.8
192	21.2	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 21.050 ug/l

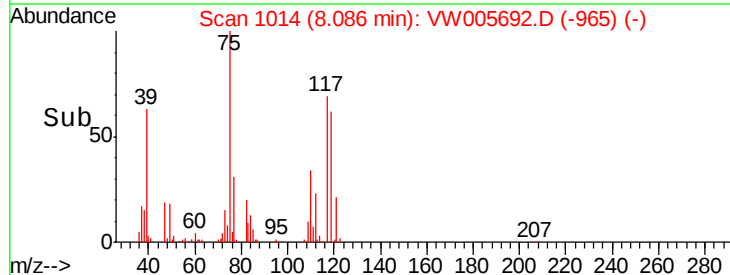
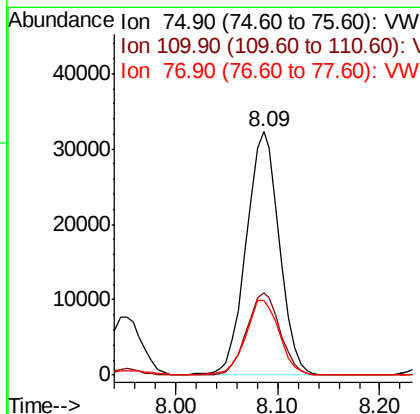
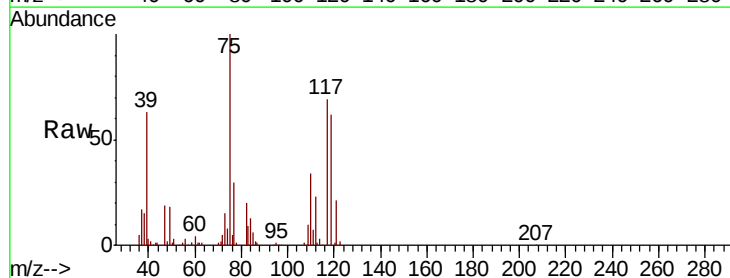
RT: 8.09 min Scan# 1014

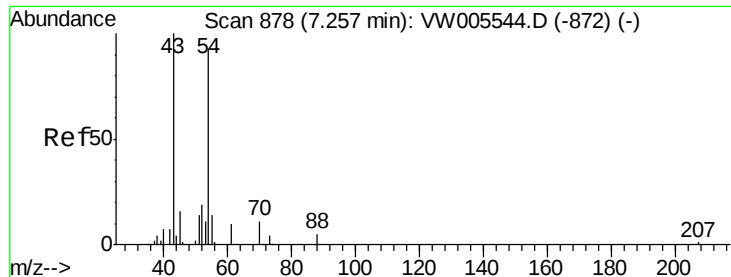
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	75	Resp:	73053
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.0	50.9
77	31.3	24.8	37.2





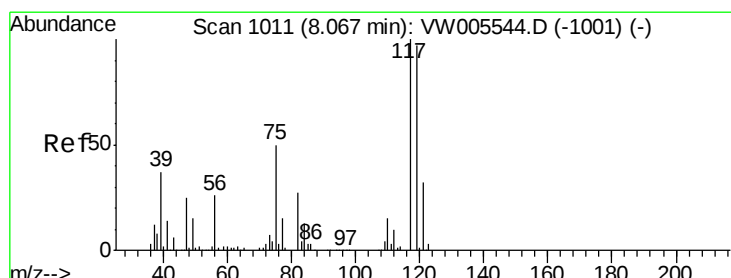
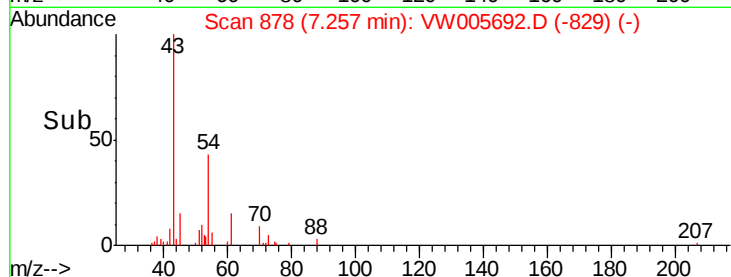
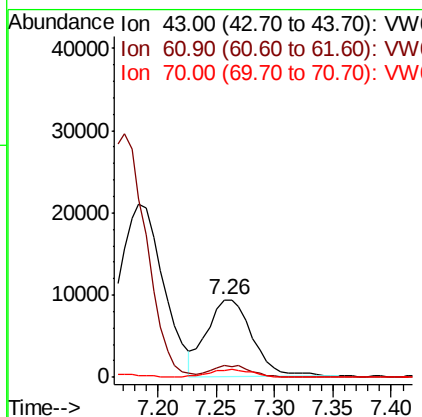
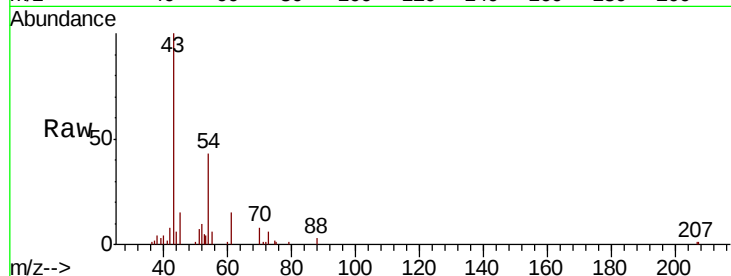
#37
Ethyl Acetate
Concen: 17.394 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.9	8.2	12.2

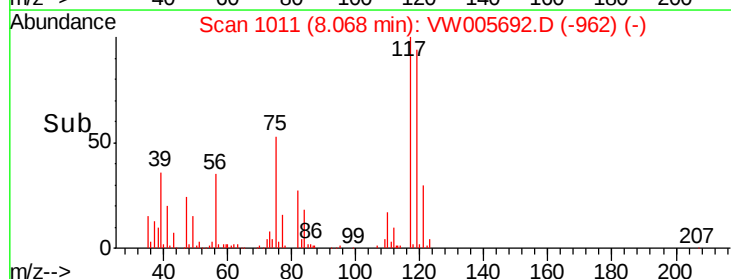
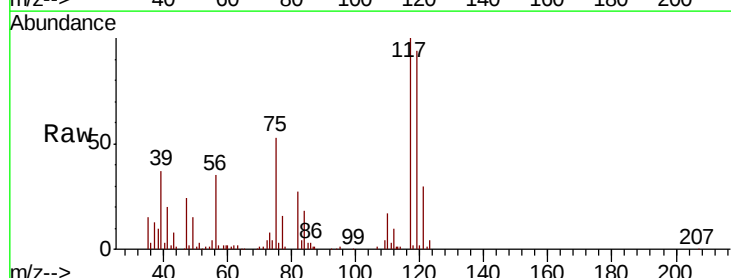
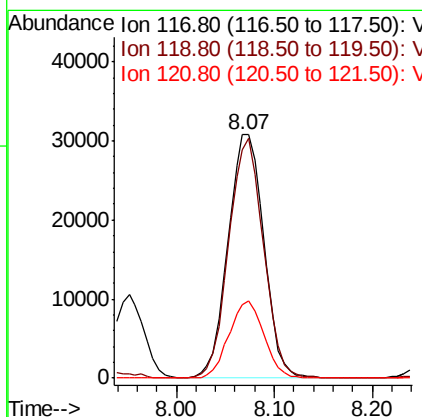
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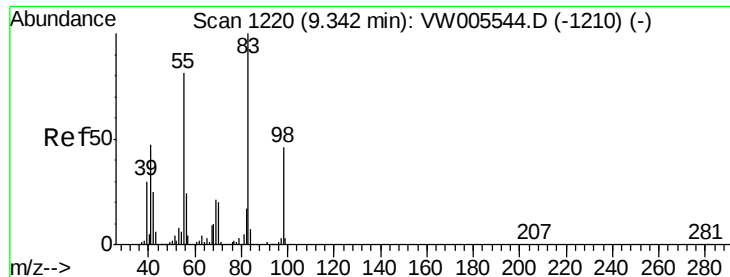
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#38
Carbon Tetrachloride
Concen: 21.098 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.6	116.4
121	30.0	25.7	38.5





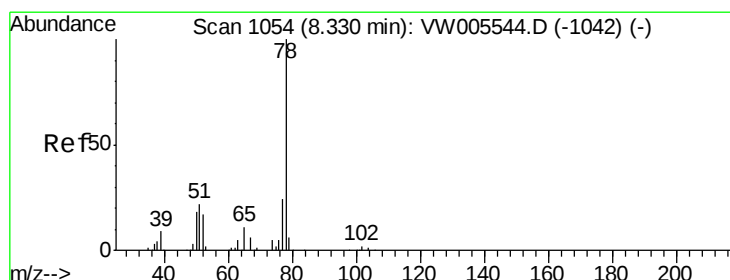
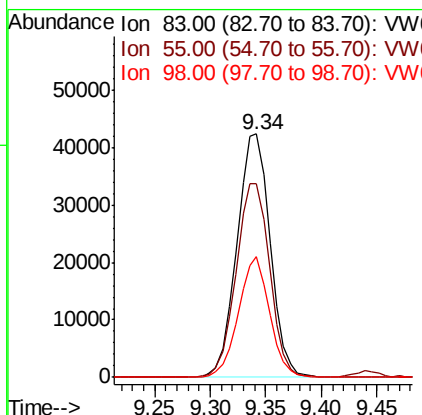
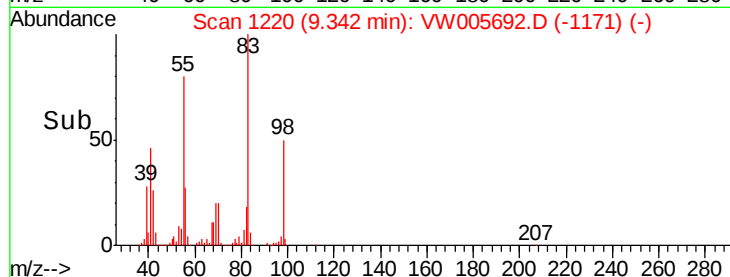
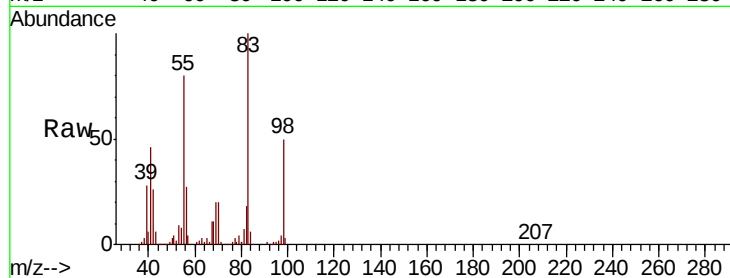
#39
Methvlcvclohexane
Concen: 21.454 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ion	Ratio	Lower	Upper
83	83	100		
55	55	79.7	64.6	97.0
98	98	49.5	37.0	55.6

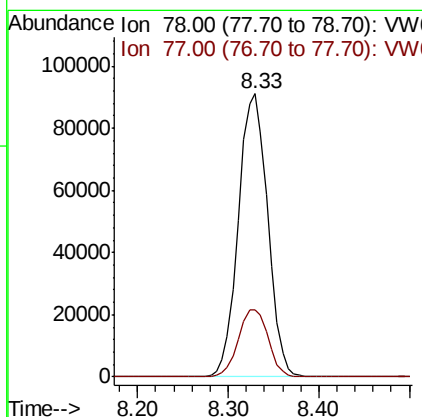
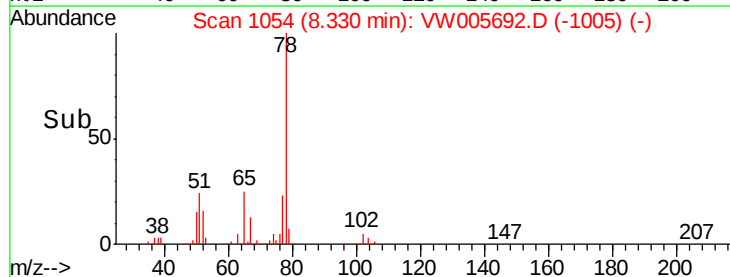
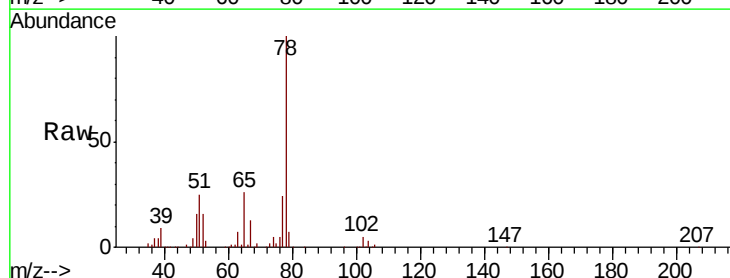
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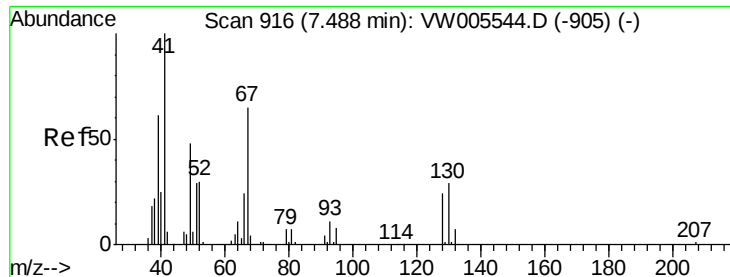
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#40
Benzene
Concen: 20.768 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
78	78	100		
77	77	23.6	19.0	28.4





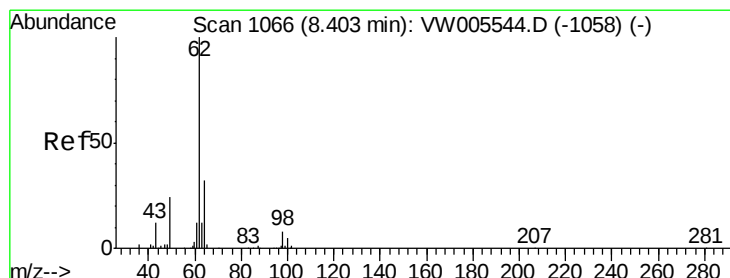
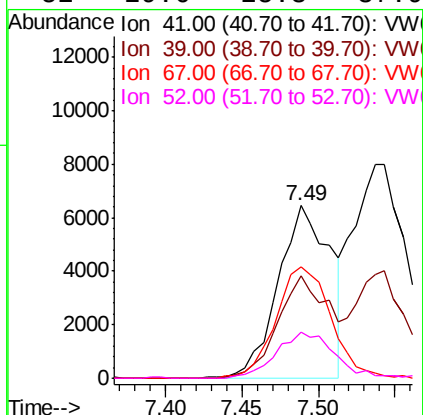
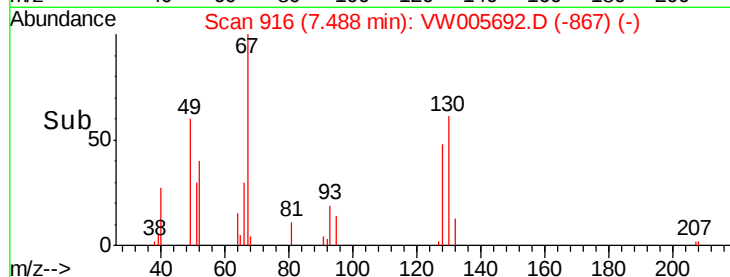
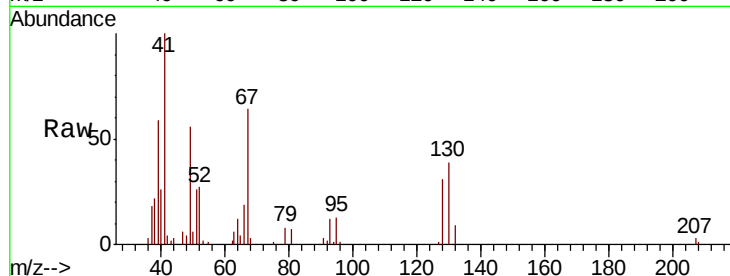
#41
Methacrylonitrile
Concen: 18.532 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		15401		
39	57.0	45.4	68.2		
67	67.4	55.2	82.8		
52	29.6	25.3	37.9		

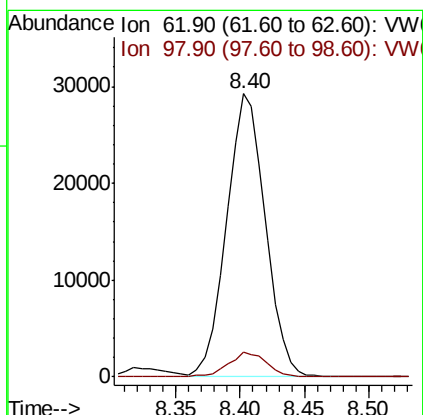
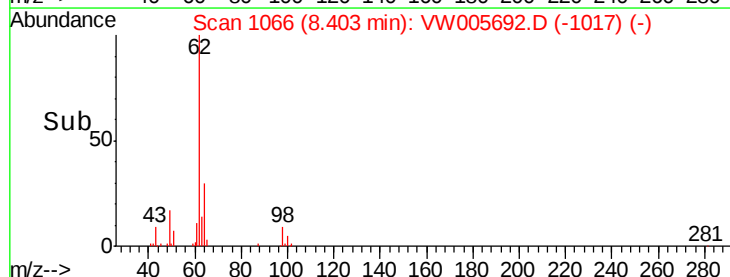
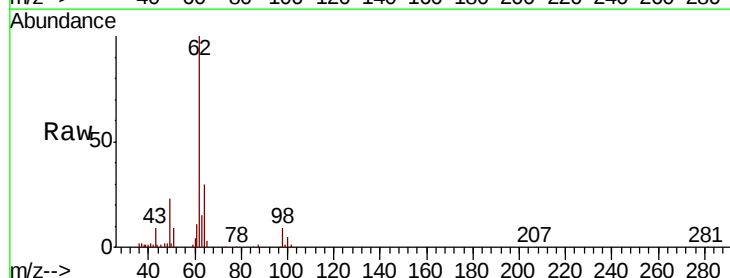
Manual Integrations
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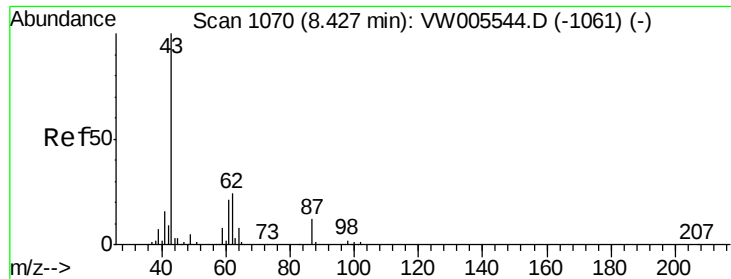
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#42
1,2-Dichloroethane
Concen: 19.436 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		61189		
98	8.7	0.0	15.6		





#43

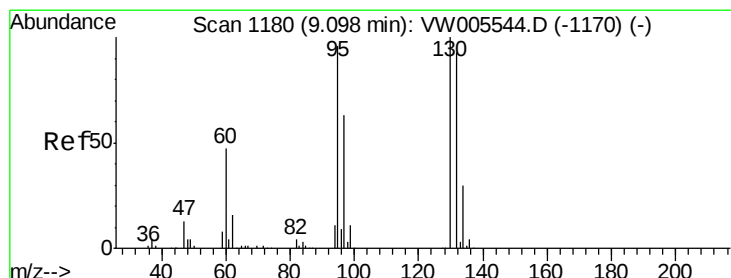
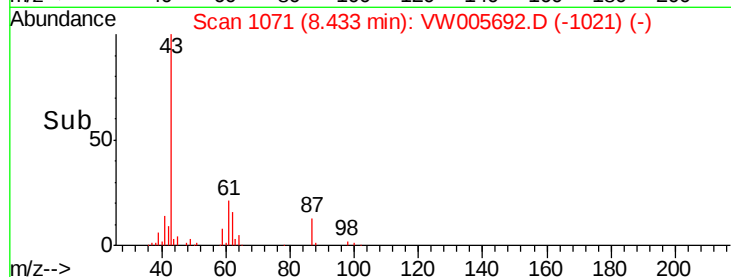
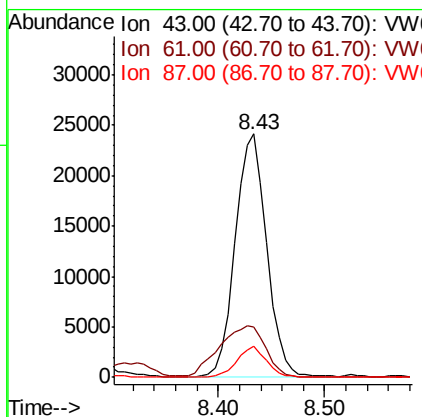
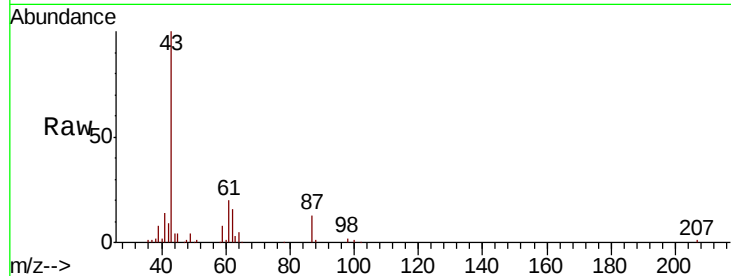
Isopropyl Acetate
 Concen: 17.522 ug/l
 RT: 8.43 min Scan# 1071
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tot Ion	43	Resp	50312
Ion Ratio	100	Lower	Upper
43	100		
61	30.9	24.1	36.1
87	11.9	9.8	14.8

Manual Integrations
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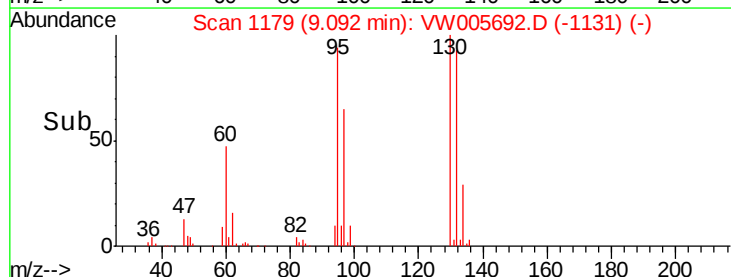
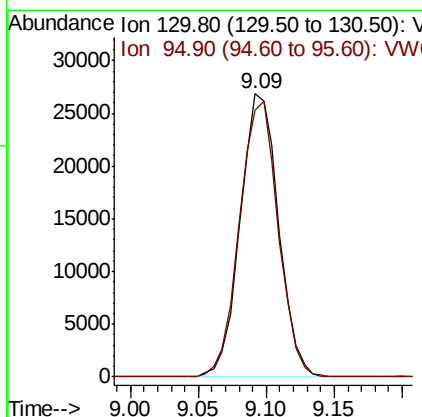
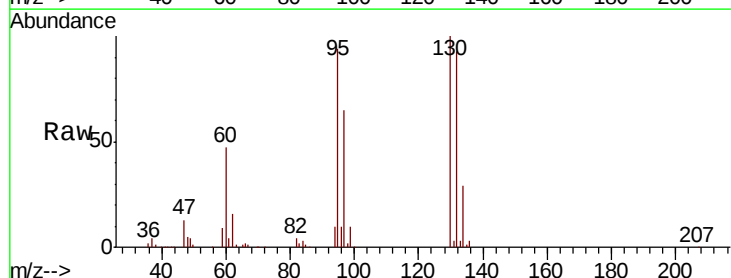
MMDadoda
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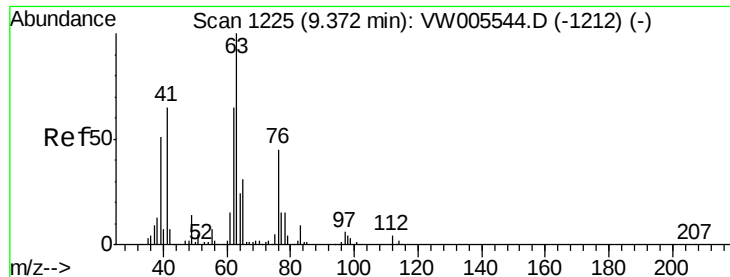


#44

Trichloroethene
 Concen: 20.969 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	130	Resp	52777
Ion Ratio	100	Lower	Upper
130	100		
95	94.2	0.0	191.2





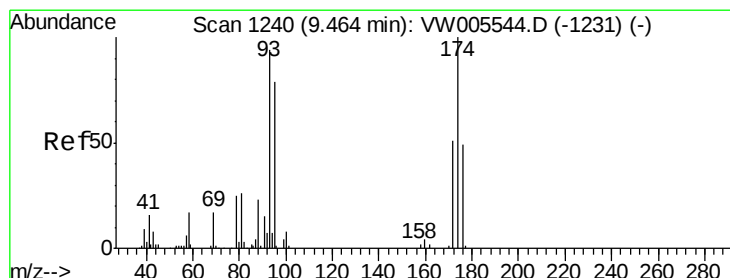
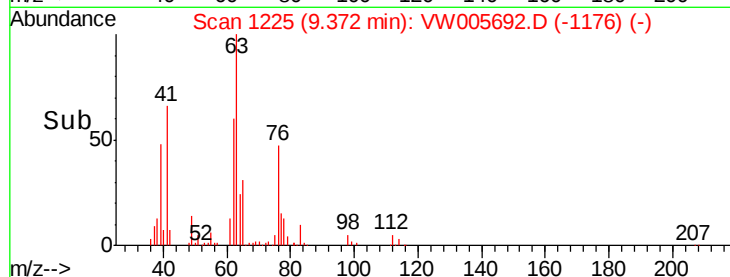
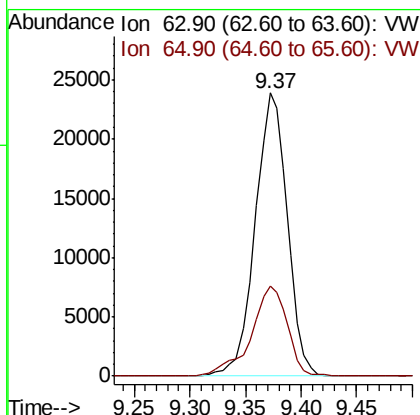
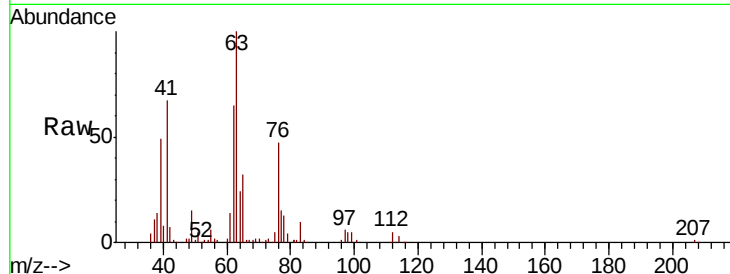
#45
 1,2-Dichloropropane
 Concen: 19.861 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampled :
 VW0927SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.7	37.1

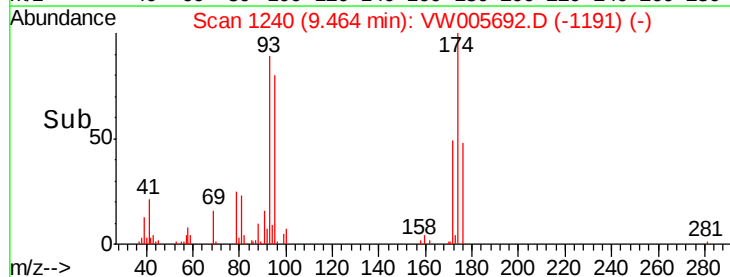
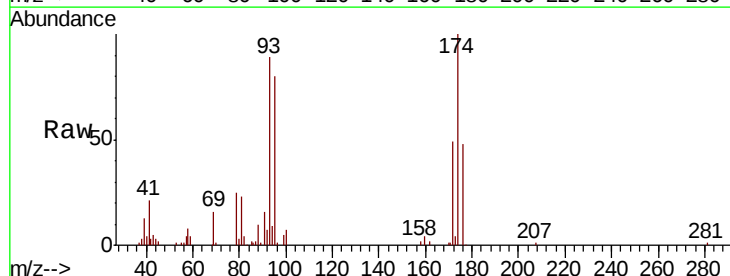
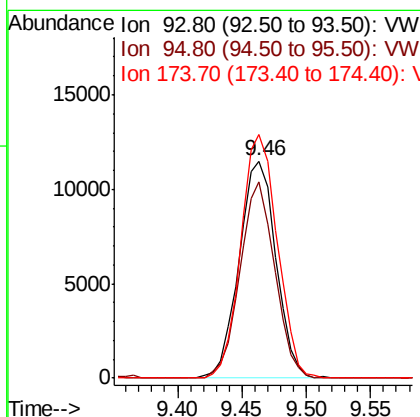
Manual Integrations
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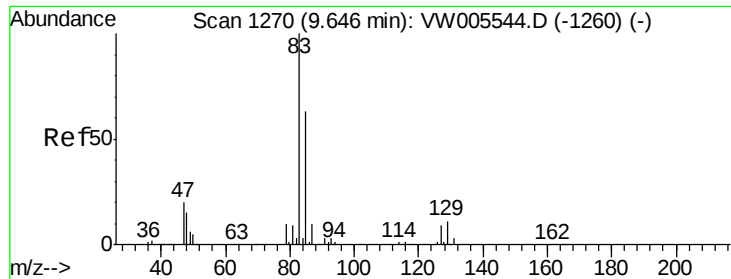
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#46
 Dibromomethane
 Concen: 18.798 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	65.8	98.8
174	110.8	84.0	126.0





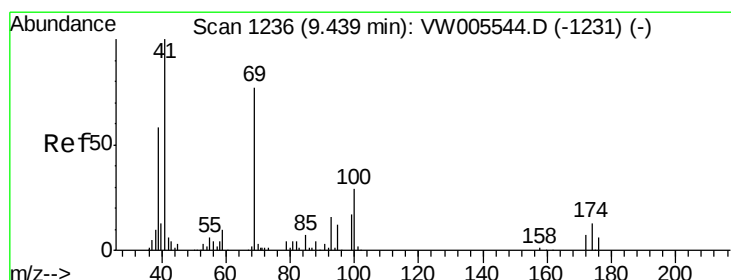
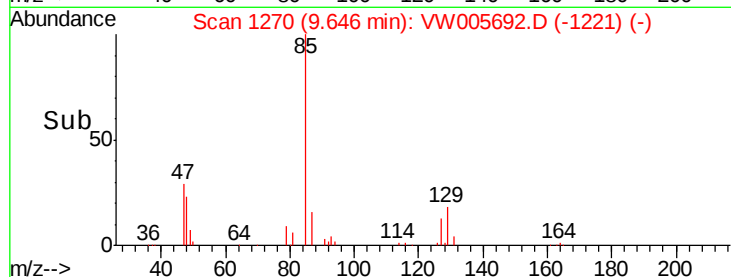
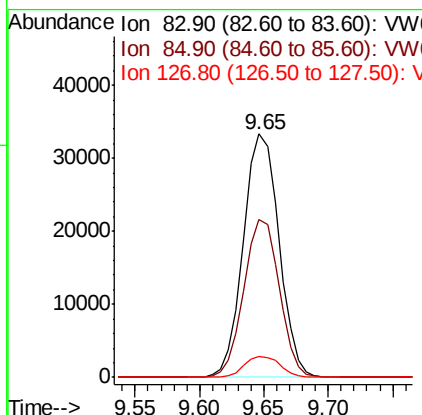
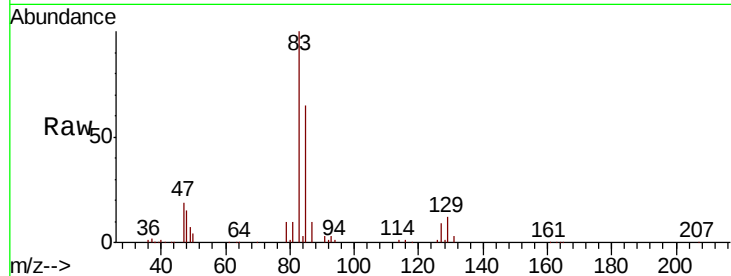
#47
Bromodichloromethane
Concen: 19.669 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	83	Resp	63863
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	50.5	75.7
127	8.6	7.0	10.6

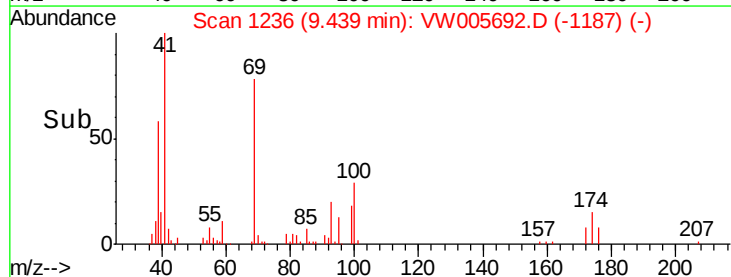
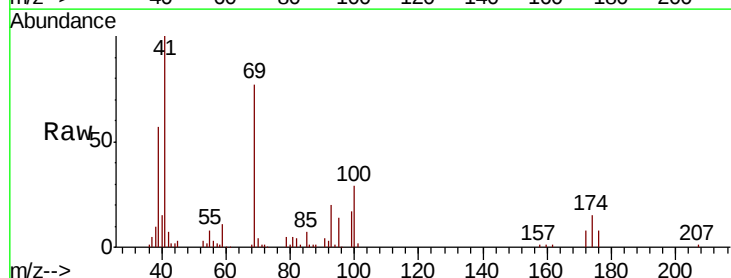
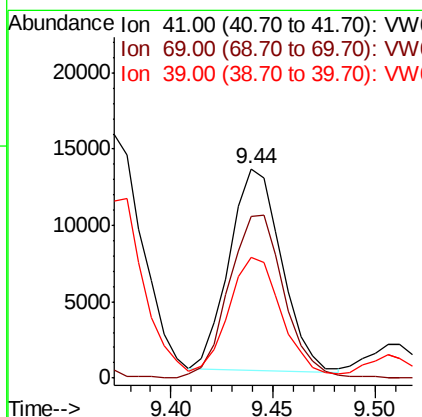
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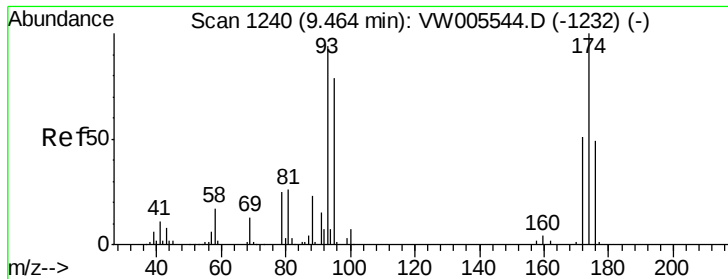
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#48
Methyl methacrylate
Concen: 17.240 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	41	Resp	23512
Ion Ratio	100	Lower	Upper
41	100		
69	85.6	64.7	97.1
39	61.3	50.5	75.7





#49

1,4-Dioxane

Concen: 347.922 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

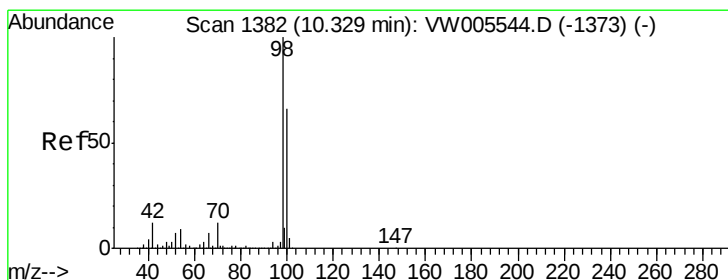
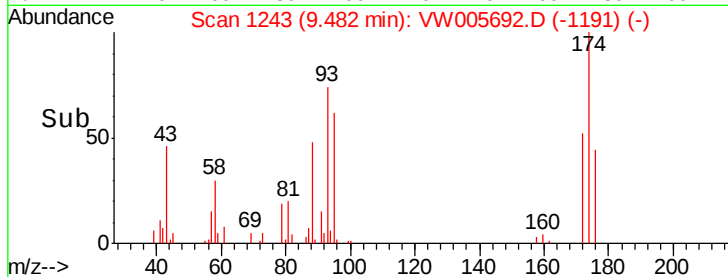
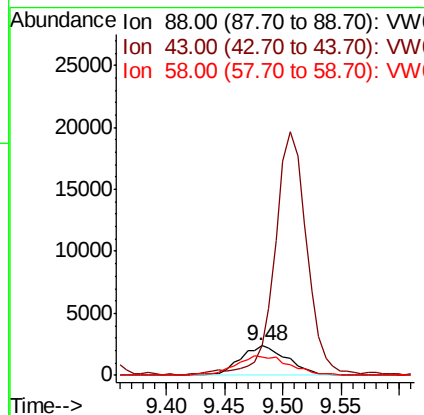
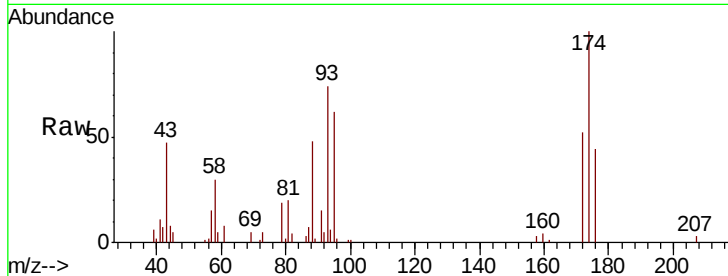
ClientSampleId :

VW0927SBS01

Tot Ion:	88	Resp:	6686
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.2	61.2	91.8

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#50

Toluene-d8

Concen: 52.684 ug/l

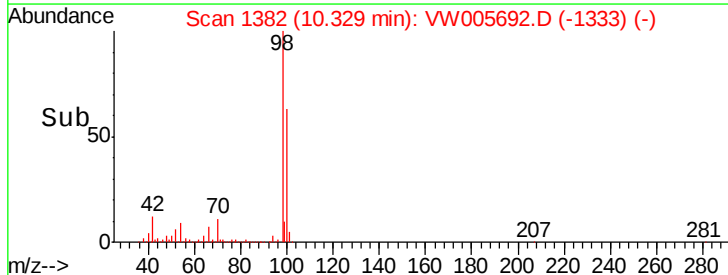
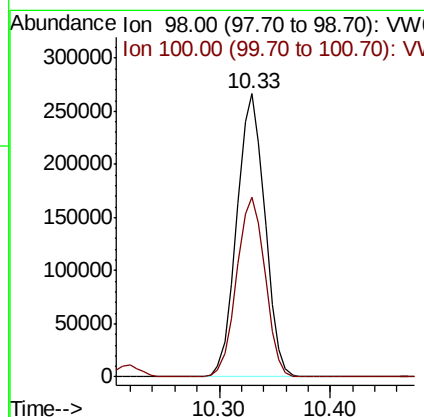
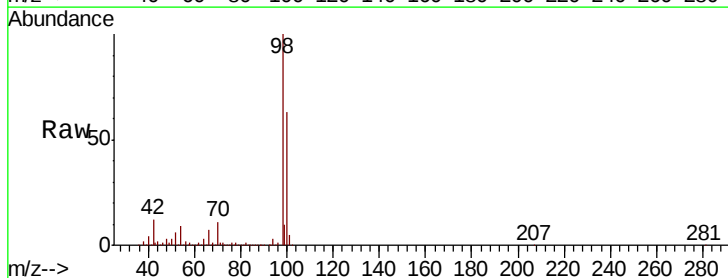
RT: 10.33 min Scan# 1382

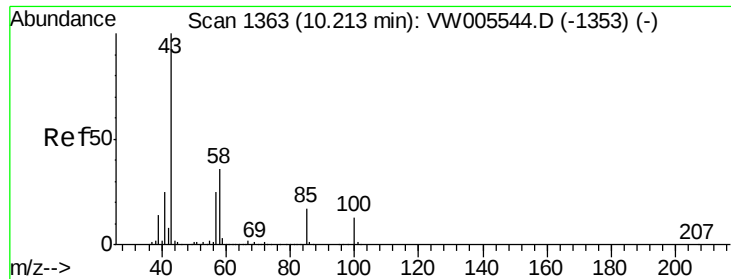
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	98	Resp:	465073
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 86.200 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampled :

VW0927SBS01

Tot Ion: 43 Resp: 124663

Ion Ratio Lower Upper

43 100

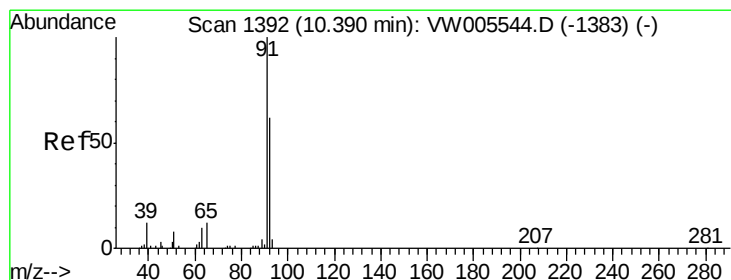
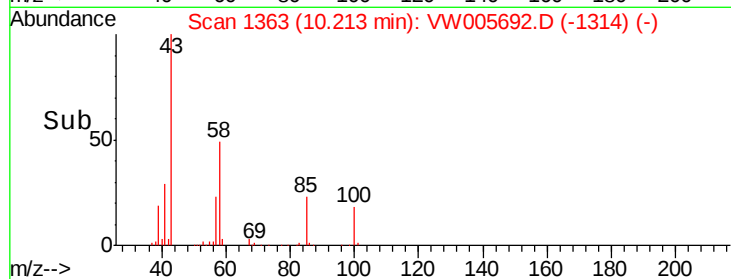
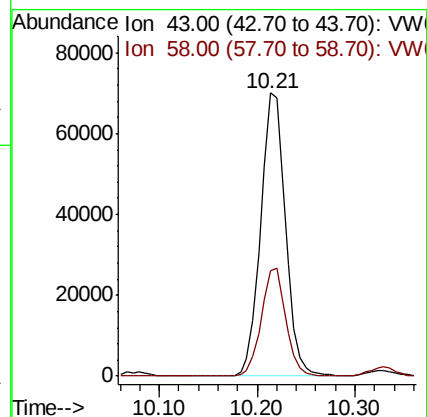
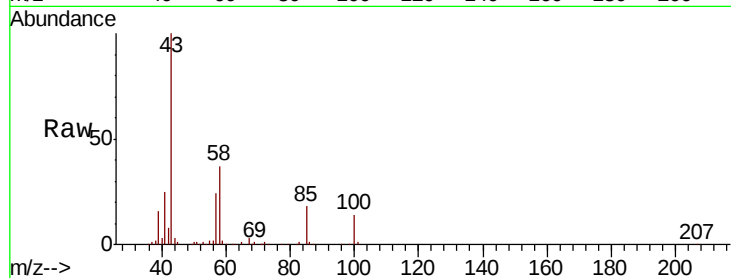
58 37.5 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 21.228 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005692.D

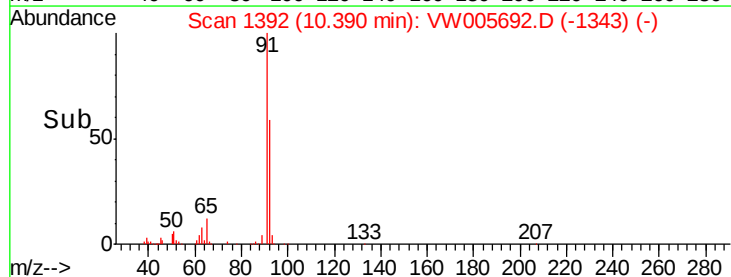
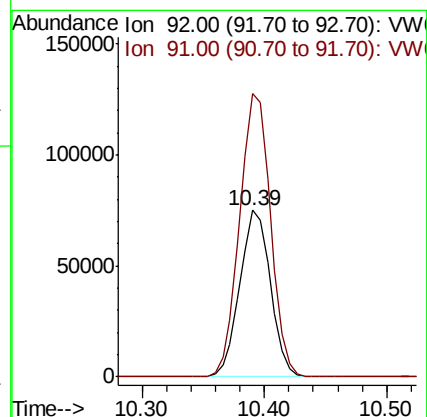
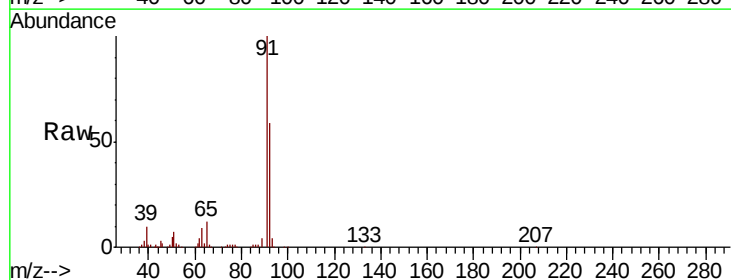
Acq: 27 Sep 2018 11:51

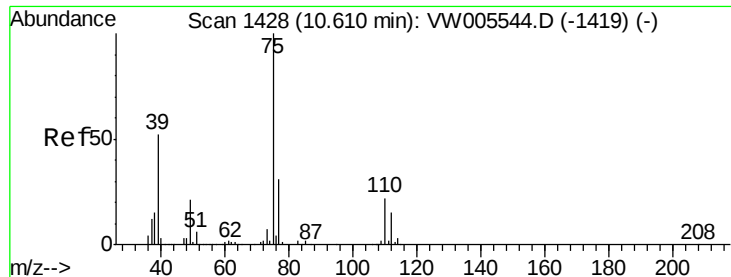
Tgt Ion: 92 Resp: 130241

Ion Ratio Lower Upper

92 100

91 171.8 137.1 205.7





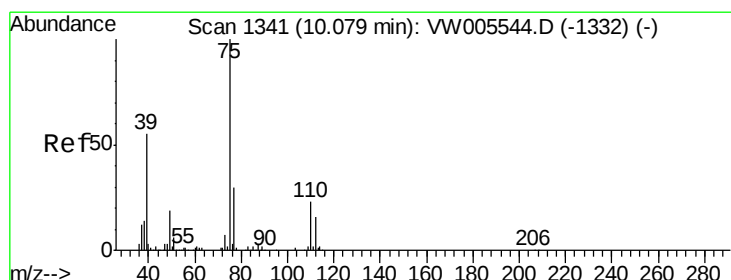
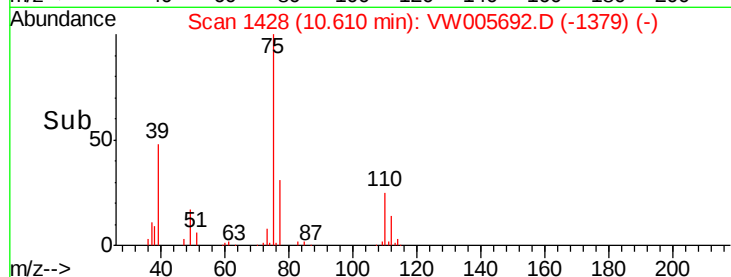
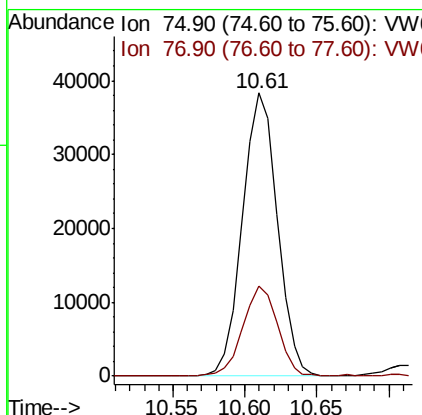
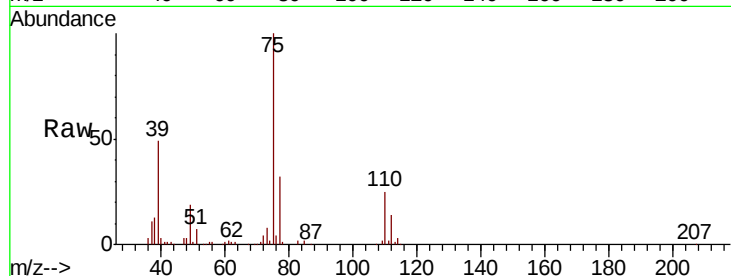
#53
t-1,3-Dichloropropene
Concen: 19.791 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion: 75 Resp: 64421
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0

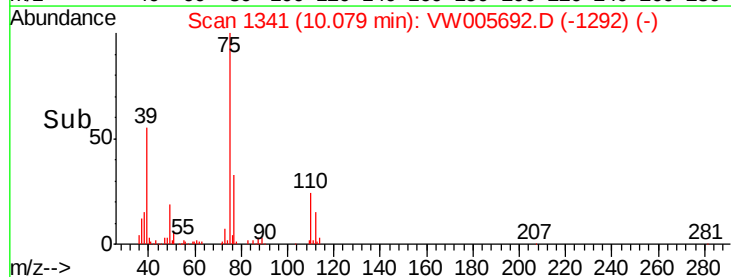
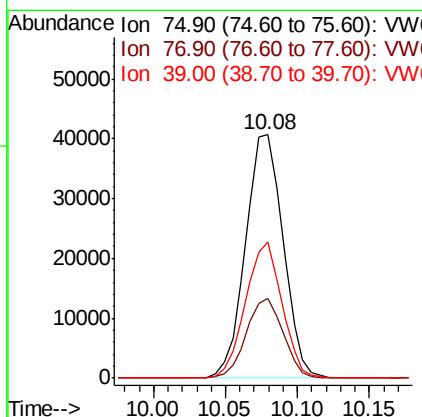
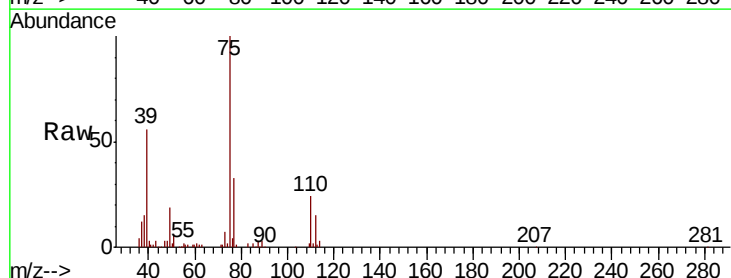
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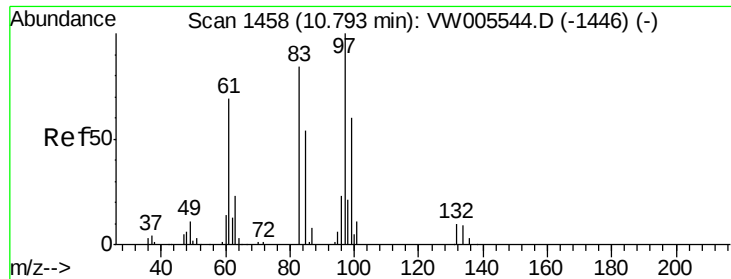
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#54
cis-1,3-Dichloropropene
Concen: 20.183 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 75 Resp: 73609
Ion Ratio Lower Upper
75 100
77 33.0 24.3 36.5
39 55.8 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 19.266 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

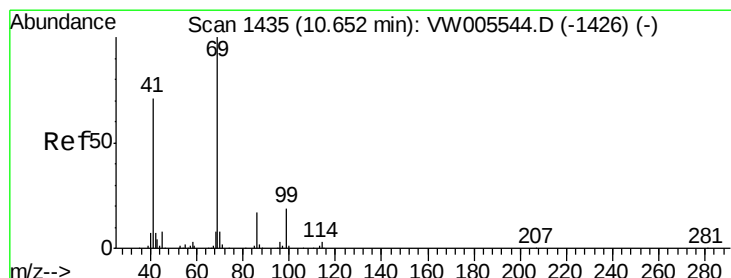
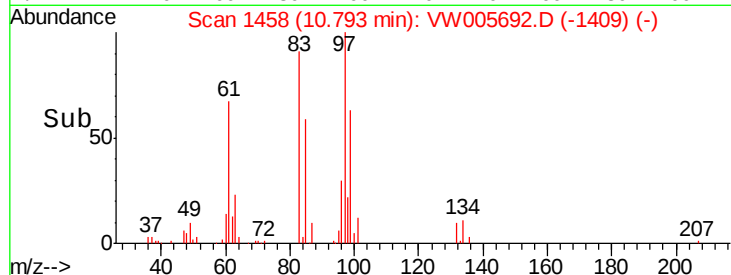
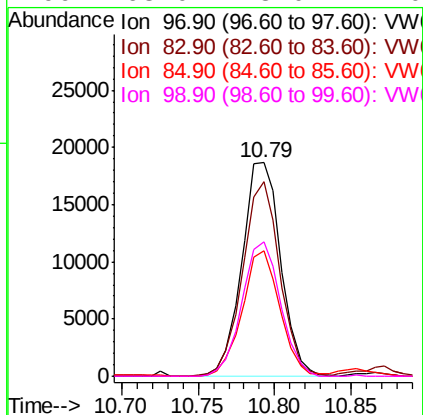
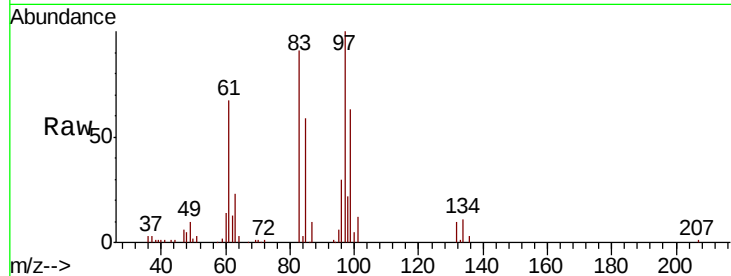
ClientSampleId :

VW0927SBS01

Tot Ion:	97	Resp:	33055
Ion	Ratio	Lower	Upper
97	100		
83	90.8	67.4	101.2
85	59.0	43.3	64.9
99	63.0	48.0	72.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.597 ug/l

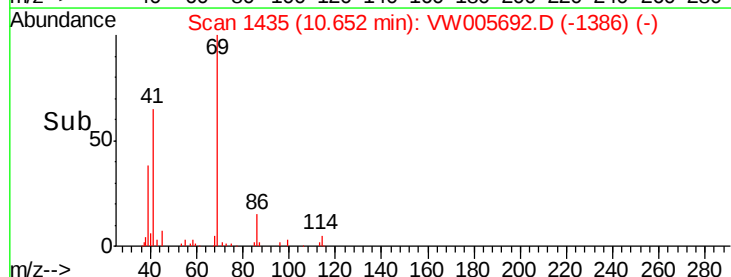
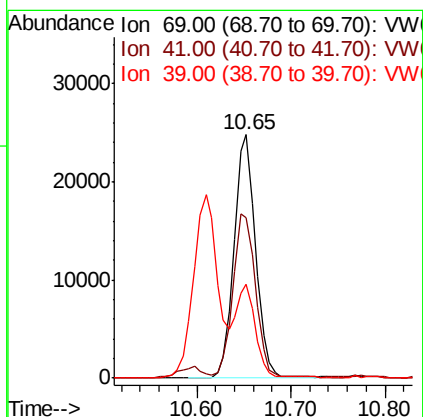
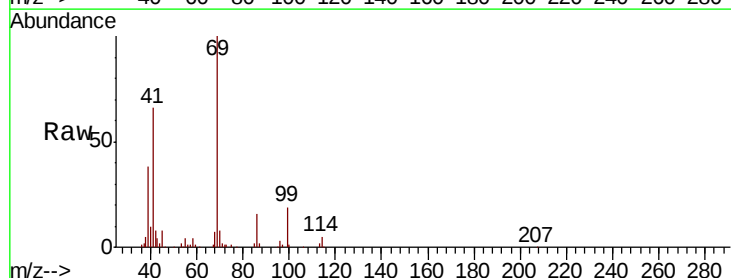
RT: 10.65 min Scan# 1435

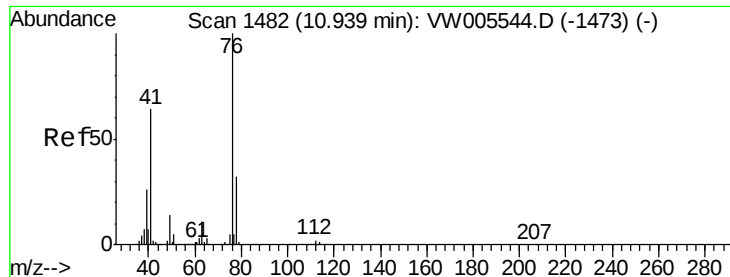
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	69	Resp:	39388
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.3	85.9
39	35.3	29.2	43.8





#57

1,3-Dichloropropane

Concen: 19.040 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 76 Resp: 57898

Ion Ratio Lower Upper

76 100

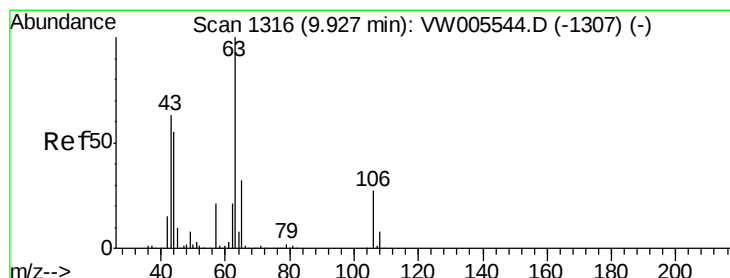
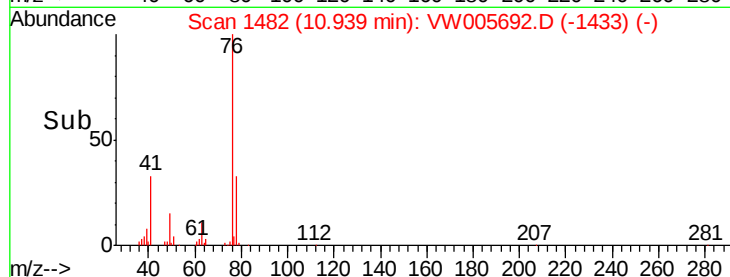
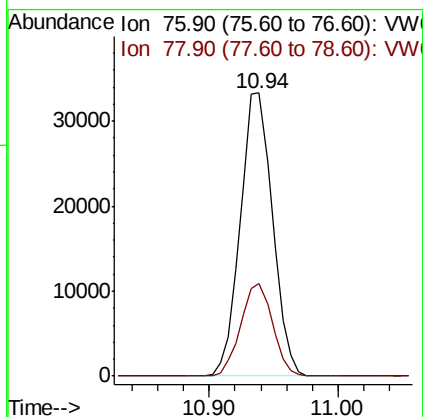
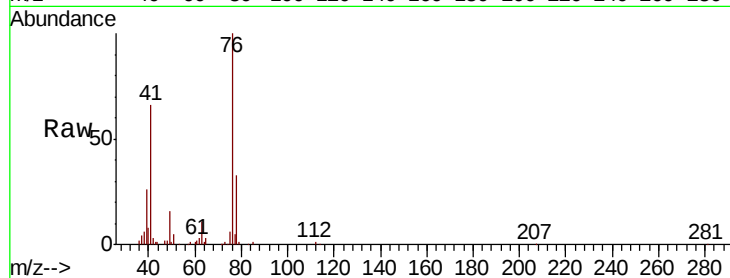
78 32.5 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.302 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW005692.D

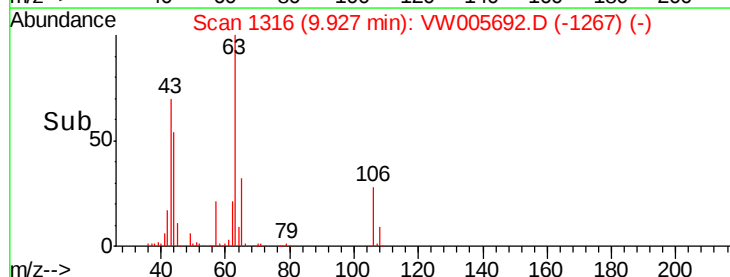
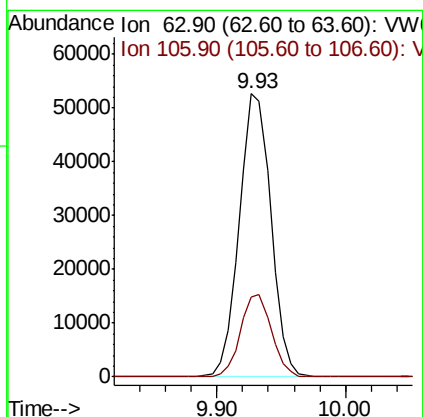
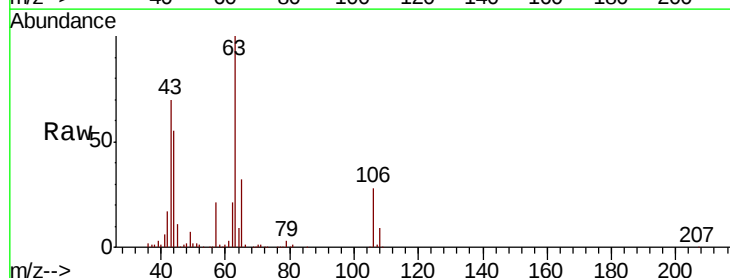
Acq: 27 Sep 2018 11:51

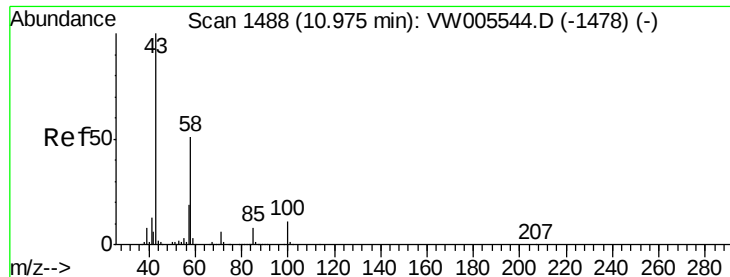
Tgt Ion: 63 Resp: 89579

Ion Ratio Lower Upper

63 100

106 28.6 21.6 32.4





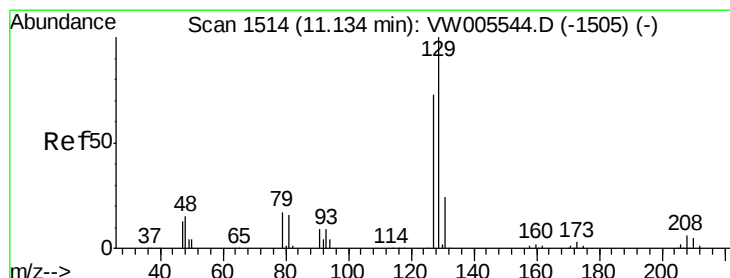
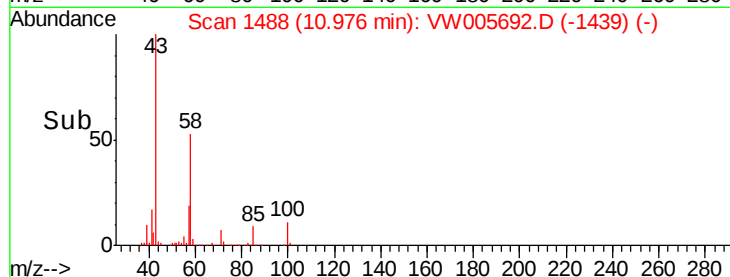
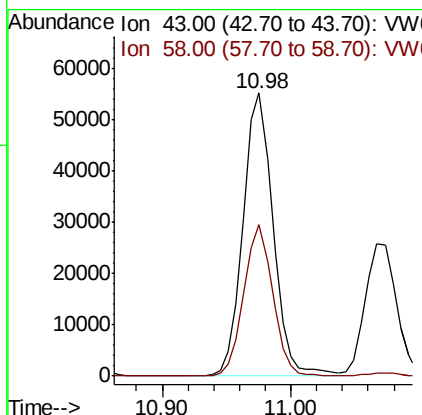
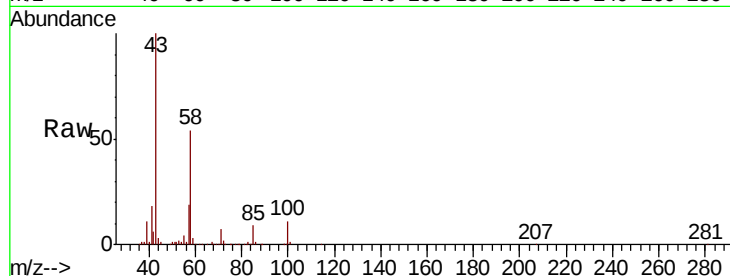
#59
2-Hexanone
Concen: 90.899 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion: 43 Resp: 89303
Ion Ratio Lower Upper
43 100
58 51.4 25.3 75.9

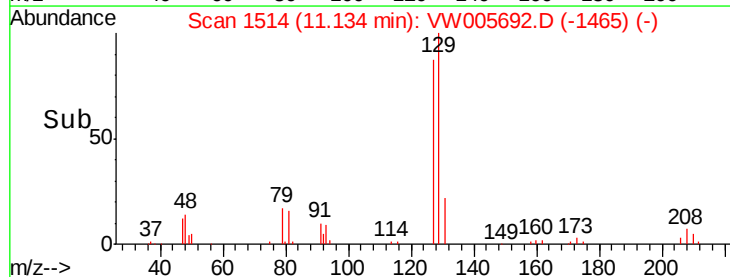
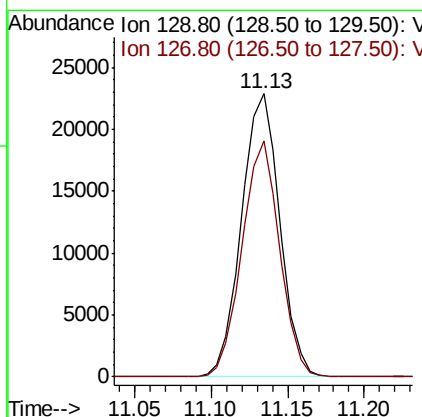
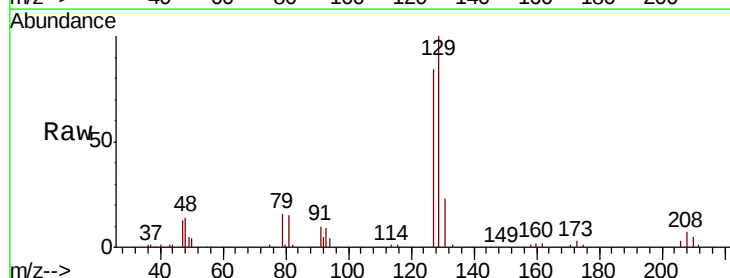
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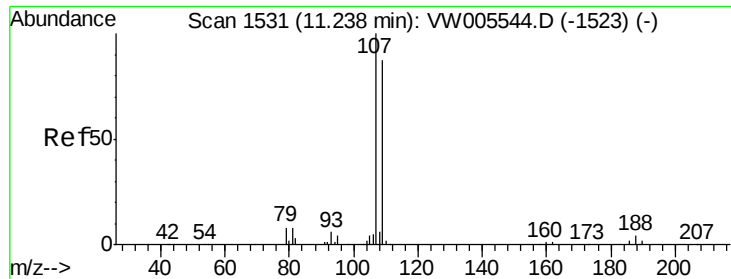
MMDadoda
9/28/2018 11:06:21 AM



#60
Dibromochloromethane
Concen: 19.231 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 129 Resp: 39867
Ion Ratio Lower Upper
129 100
127 81.5 38.5 115.5





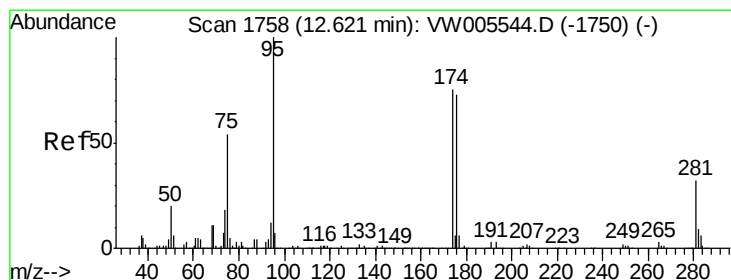
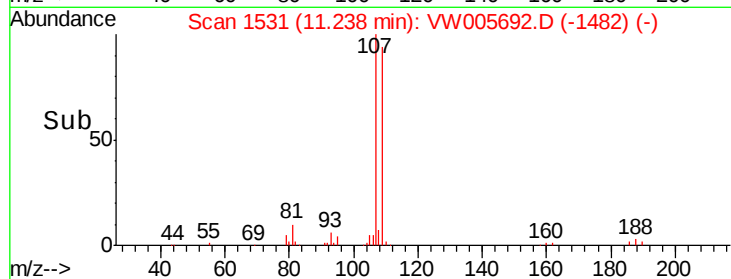
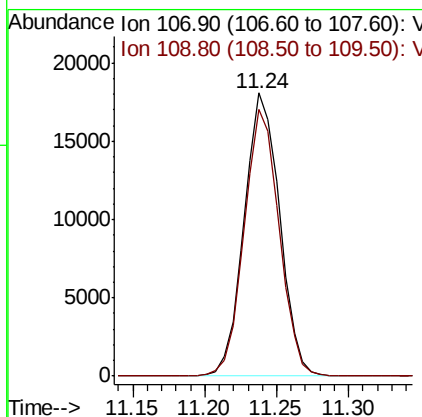
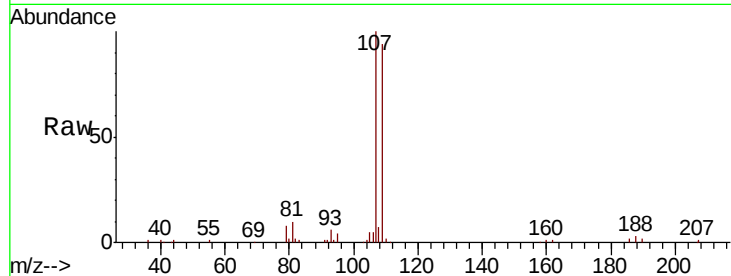
#61
 1,2-Dibromoethane
 Concen: 19.235 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	73.4	110.0

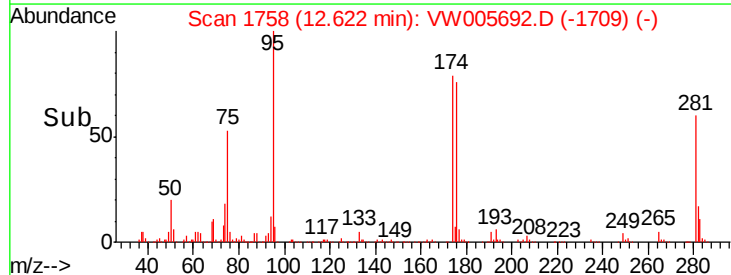
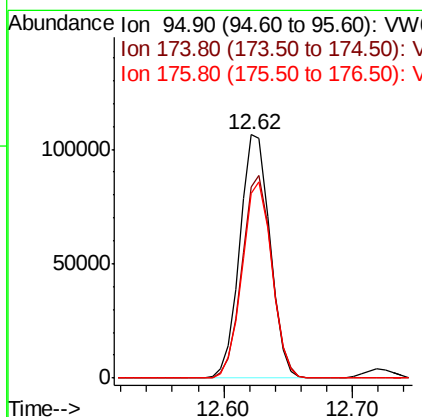
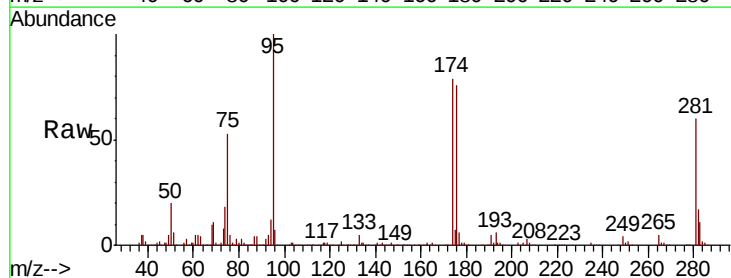
Manual Integrations
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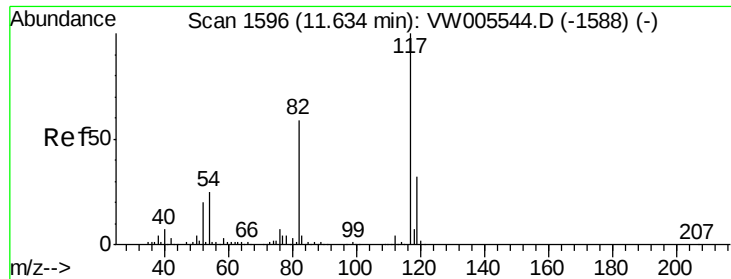
MMDadoda
 9/28/2018 11:06:21 AM



#62
 4-Bromofluorobenzene
 Concen: 52.567 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	163.8
176	79.8	0.0	158.0





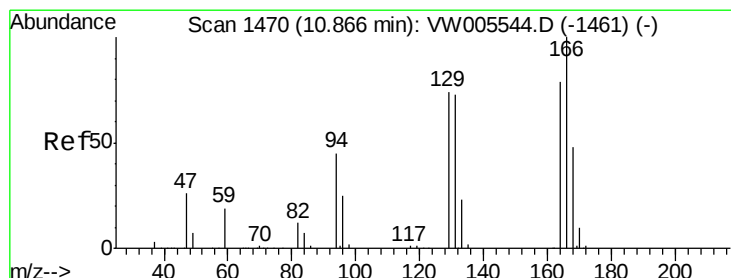
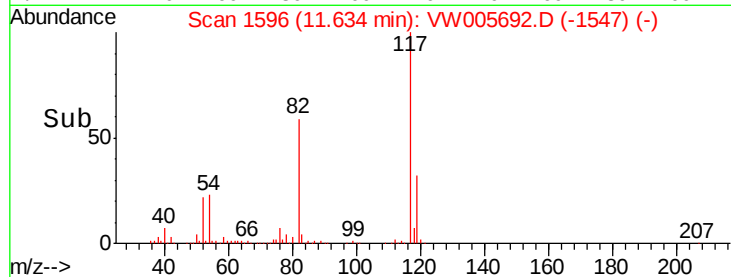
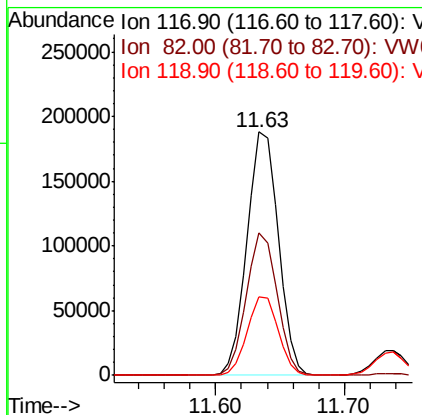
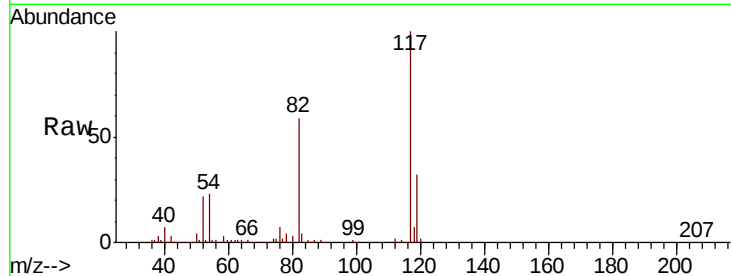
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	317040		
82	58.8	46.9	70.3	
119	32.1	25.7	38.5	

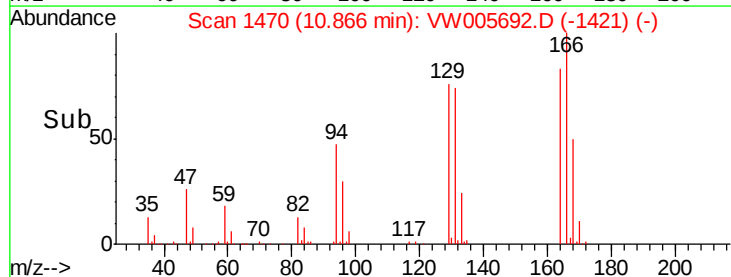
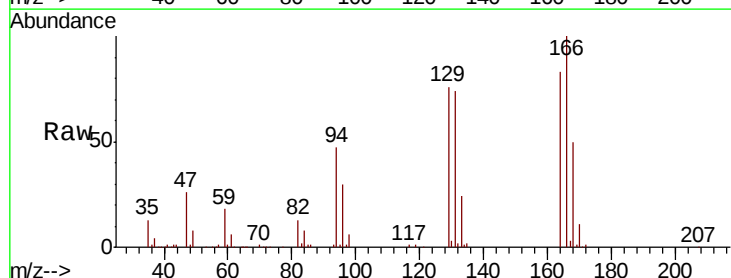
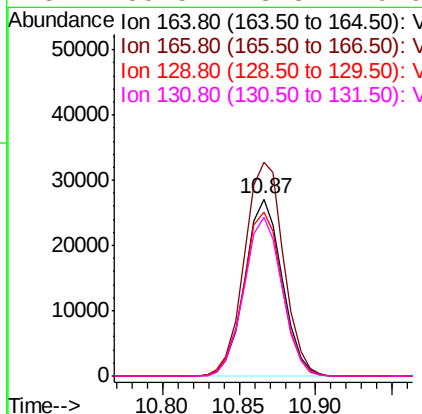
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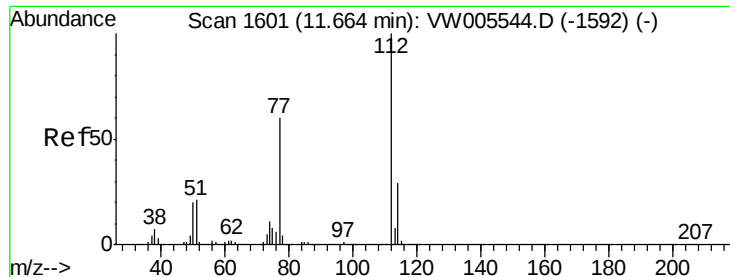
MMDadoda
9/28/2018 11:06:21 AM



#64
Tetrachloroethene
Concen: 20.417 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45942		
166	120.6	101.1	151.7	
129	92.2	74.4	111.6	
131	89.5	73.8	110.6	





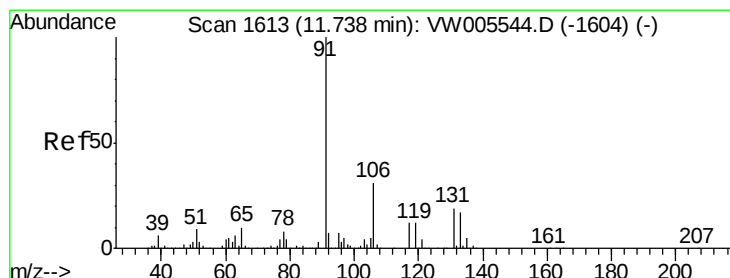
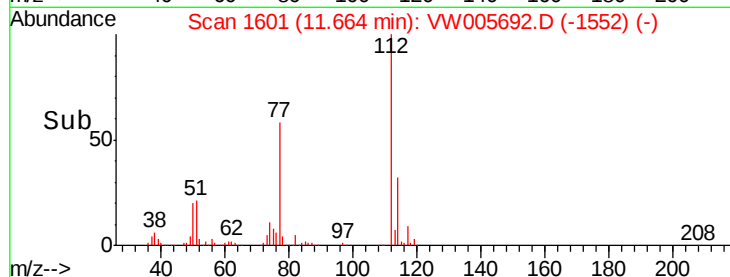
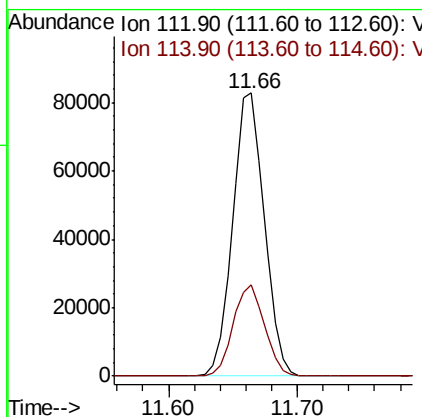
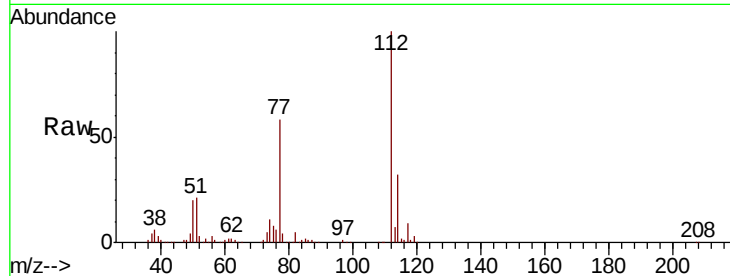
#65
Chlorobenzene
Concen: 20.977 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	141186		
114	32.3	22.9	34.3	

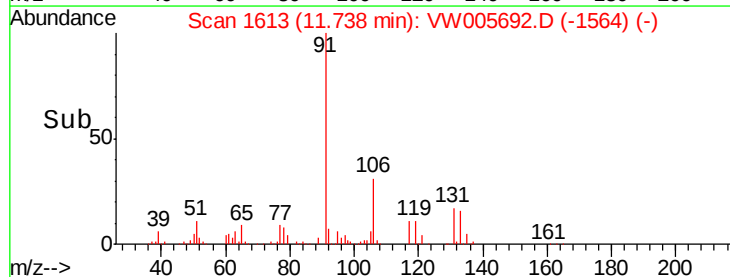
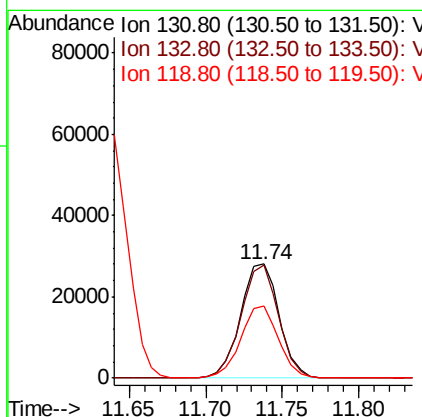
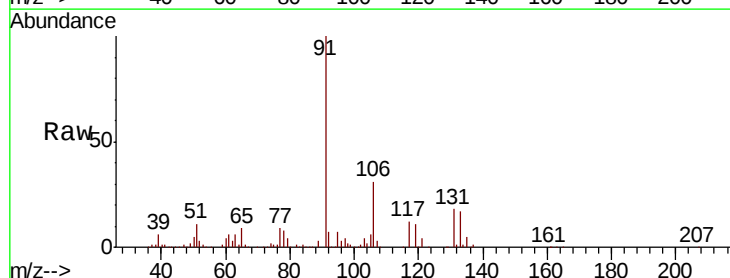
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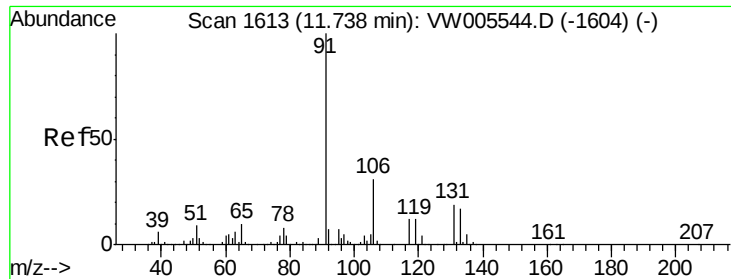
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.282 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	49129		
133	96.7	47.2	141.6	
119	62.2	31.1	93.2	





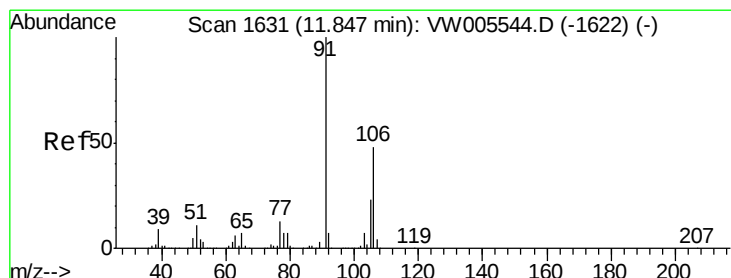
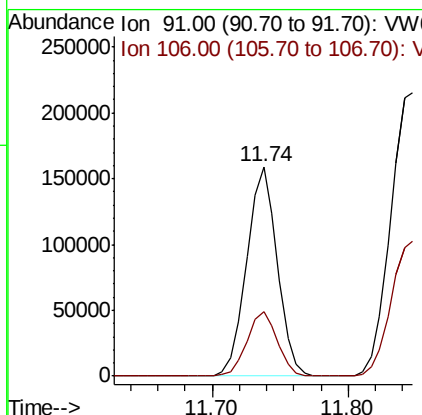
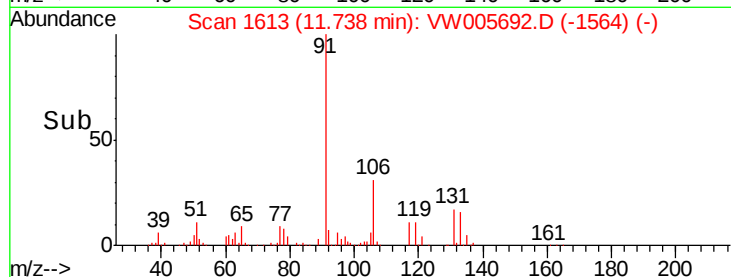
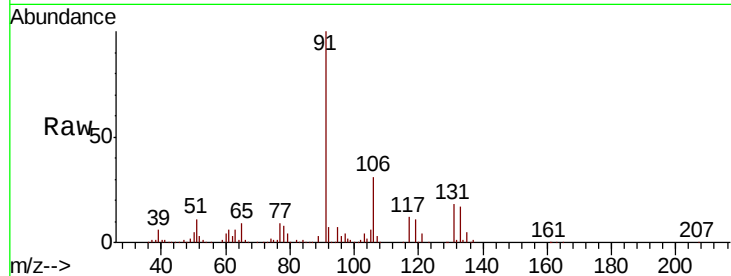
#67
Ethyl Benzene
Concen: 20.920 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion: 91 Resp: 249918
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6

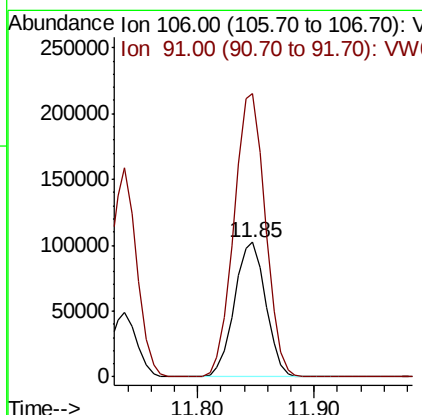
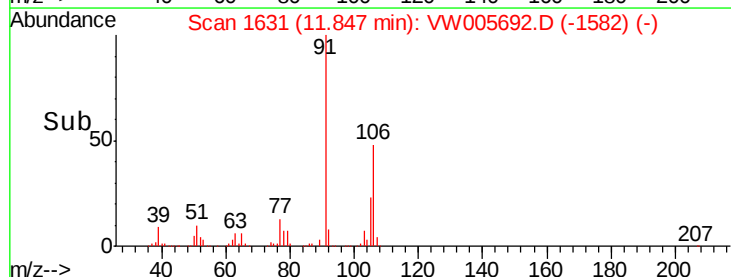
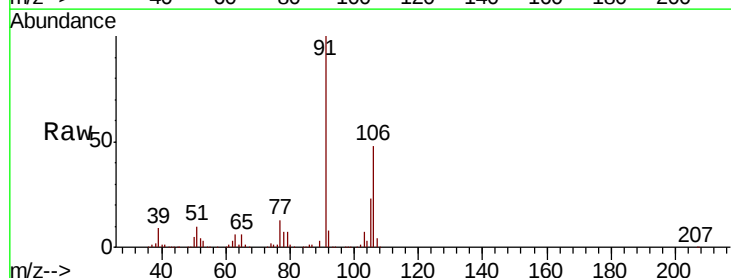
Manual Integrations
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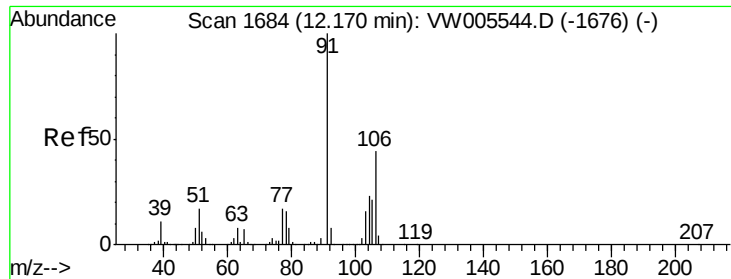
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#68
m/p-Xylenes
Concen: 42.551 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 106 Resp: 192049
Ion Ratio Lower Upper
106 100
91 210.5 167.8 251.8





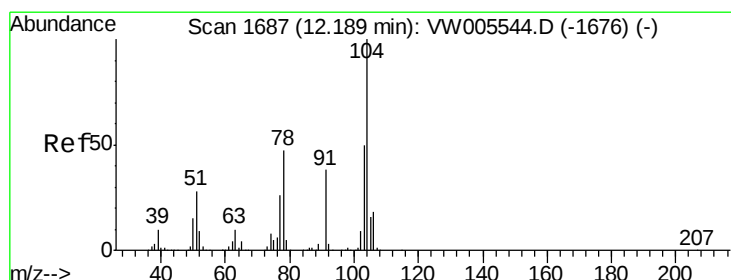
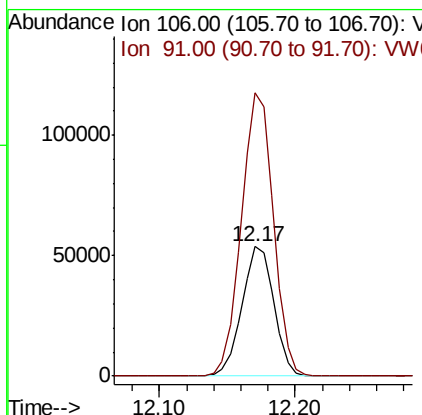
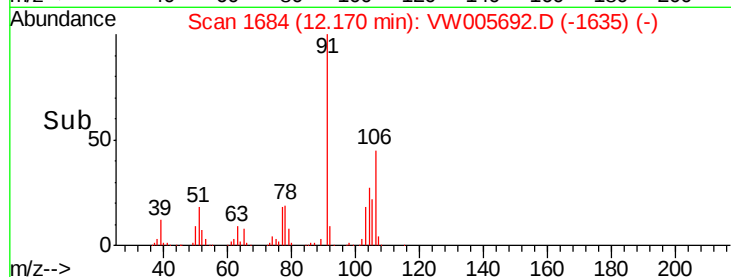
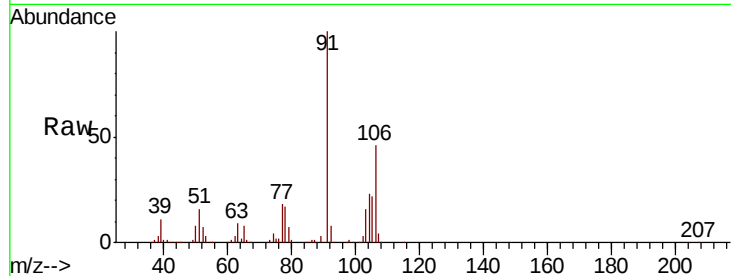
#69
o-Xylene
Concen: 20.876 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion:106 Resp: 88242
Ion Ratio Lower Upper
106 100
91 219.7 111.0 333.0

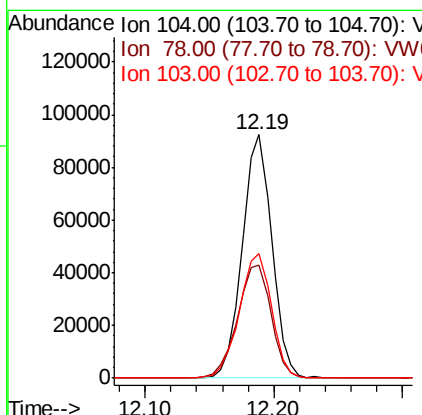
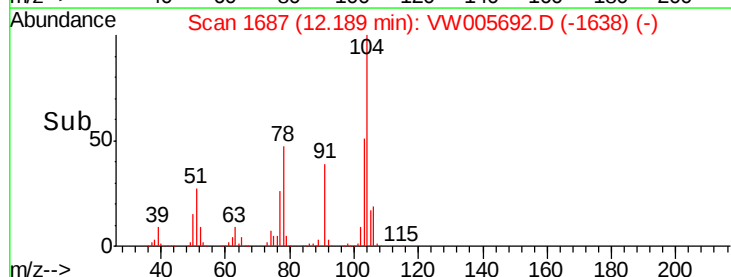
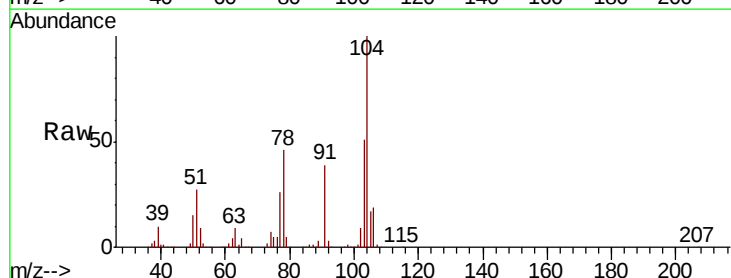
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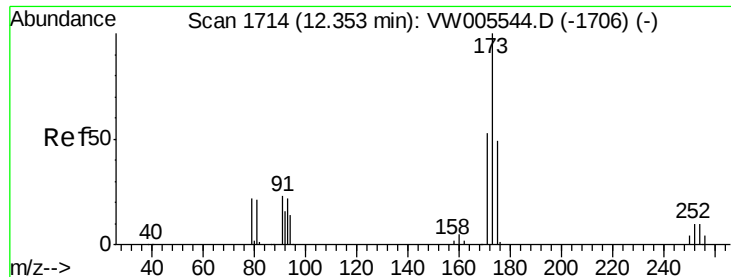
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#70
Styrene
Concen: 20.600 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion:104 Resp: 146537
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.4
103 56.0 44.6 66.8





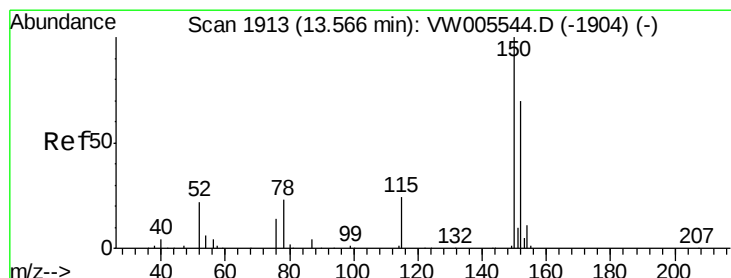
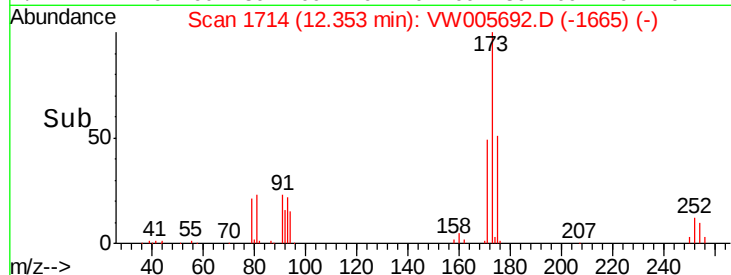
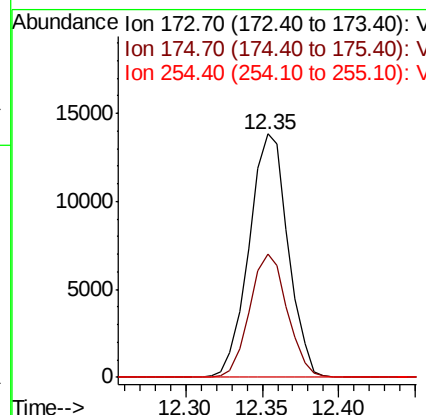
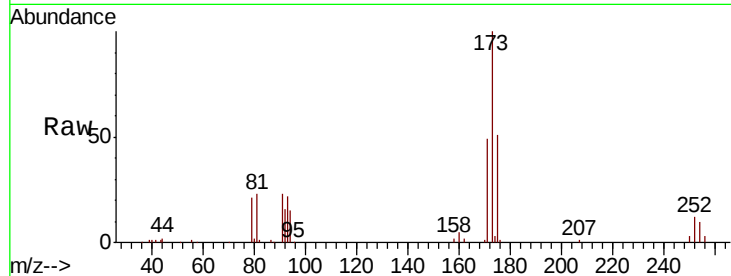
#71
Bromoform
Concen: 19.099 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.0	0.1	0.1#

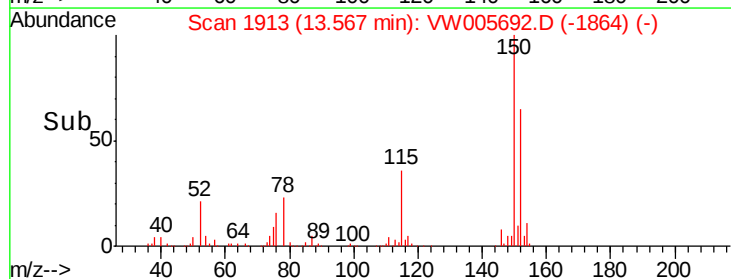
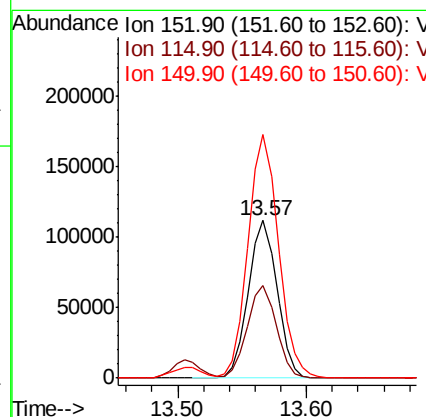
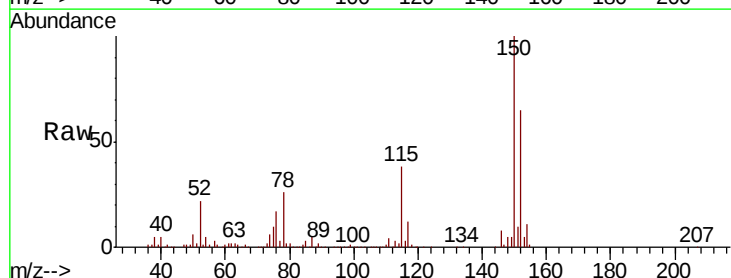
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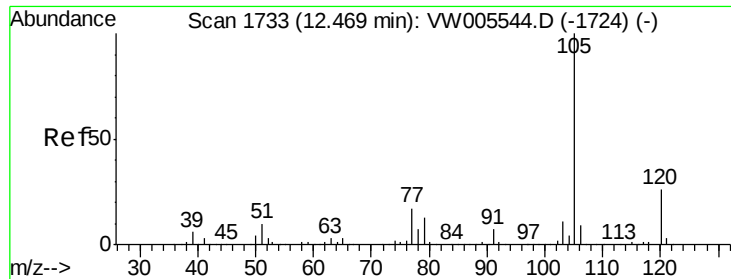
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.0	90.0
150	162.5	0.0	348.6





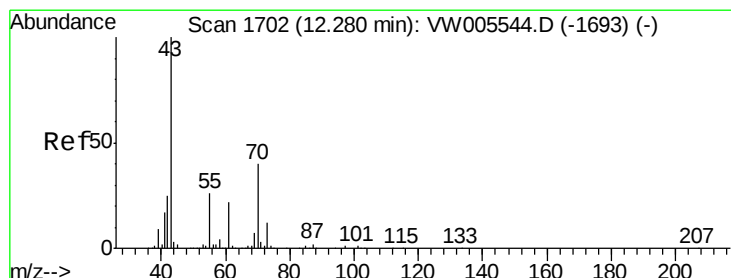
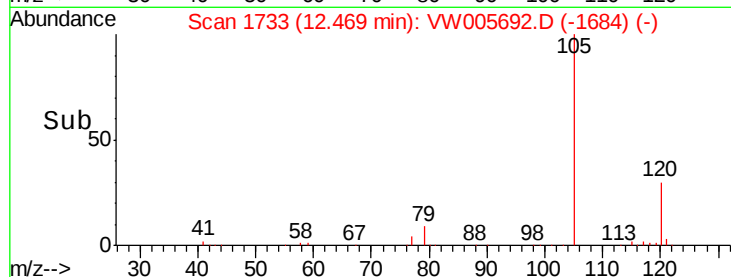
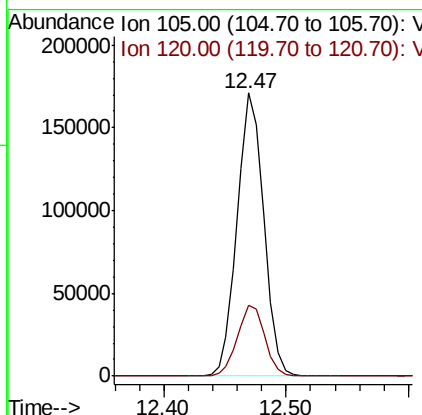
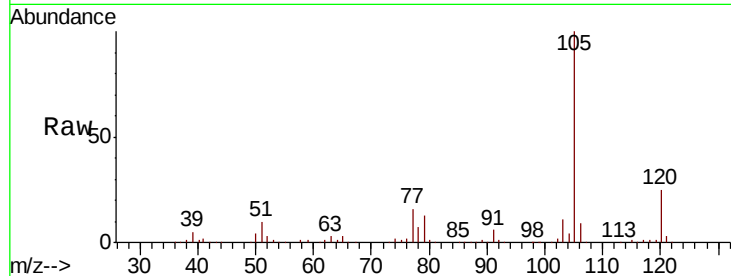
#73
Isopropylbenzene
Concen: 21.482 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion: 105 Resp: 257371
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.7

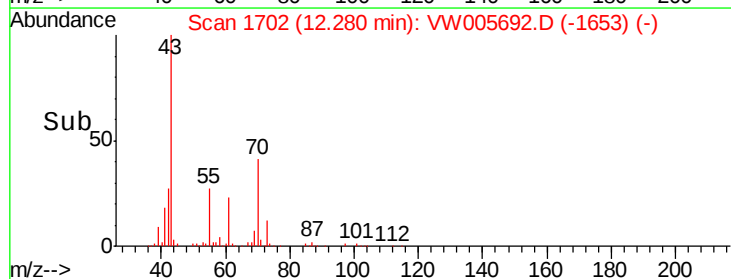
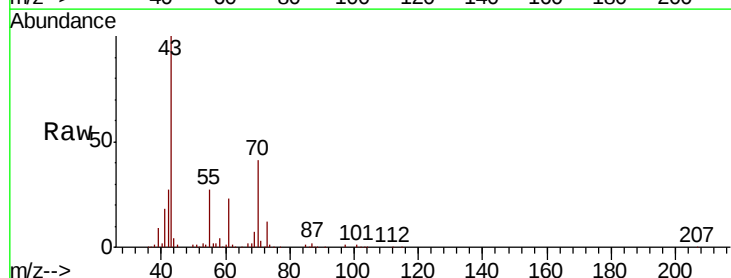
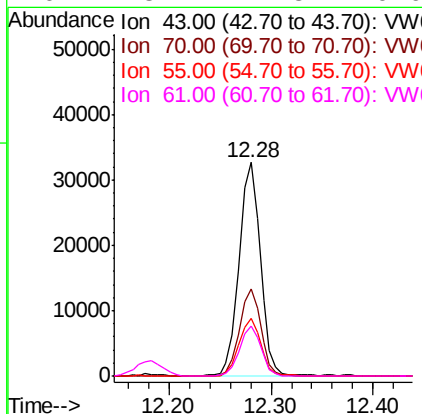
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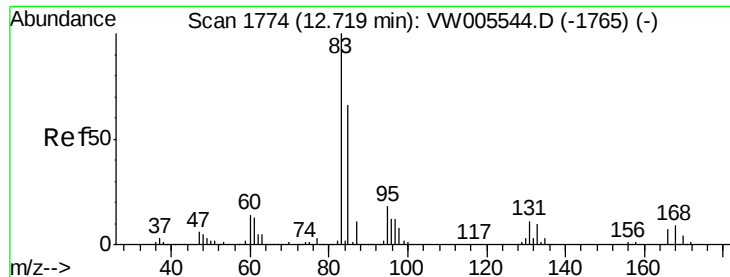
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#74
N-ethyl acetate
Concen: 17.427 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion: 43 Resp: 47277
Ion Ratio Lower Upper
43 100
70 40.8 31.4 47.0
55 27.5 20.9 31.3
61 23.4 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.297 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

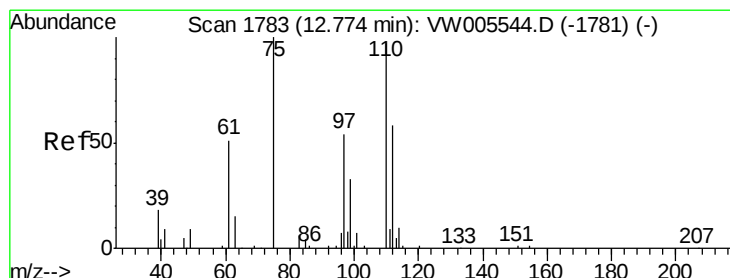
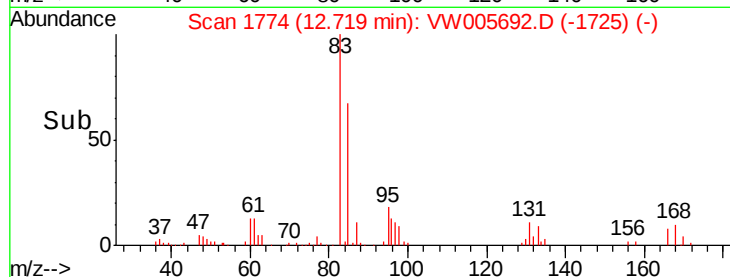
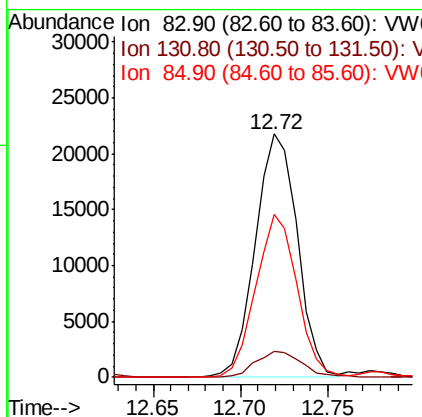
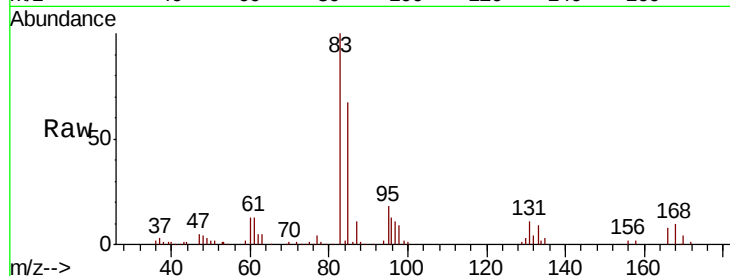
ClientSampleId :

VW0927SBS01

Tot Ion:	83	Resp:	36412
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.5	16.7
85	65.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 18.038 ug/l m

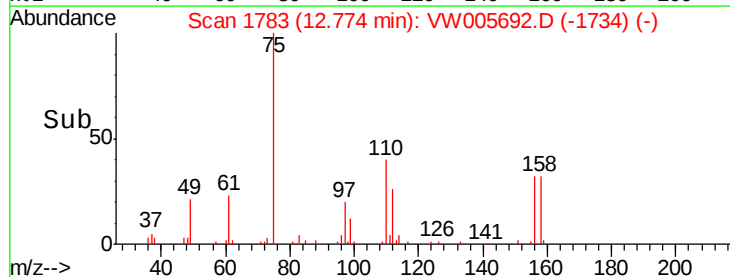
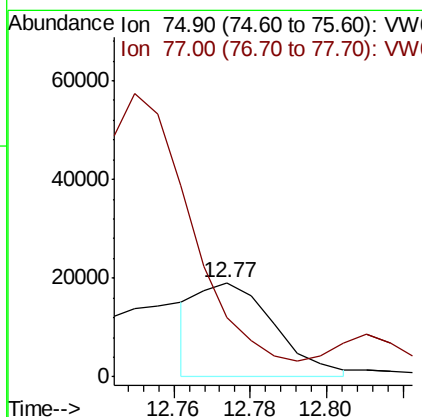
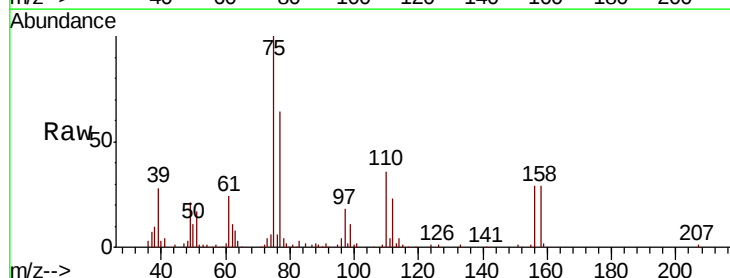
RT: 12.77 min Scan# 1783

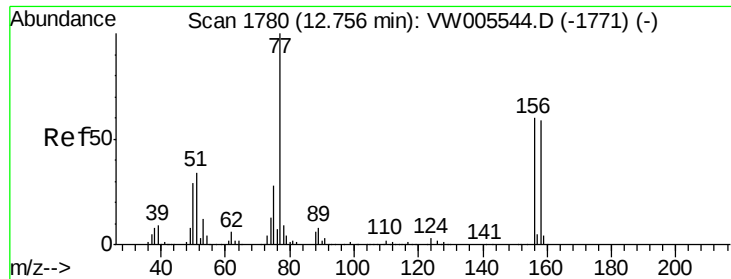
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	75	Resp:	26564
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.754 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

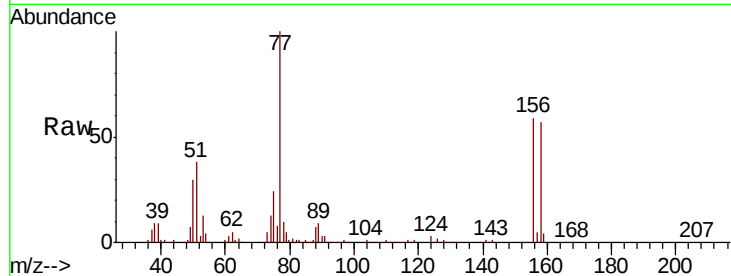
ClientSampleId :

VW0927SBS01

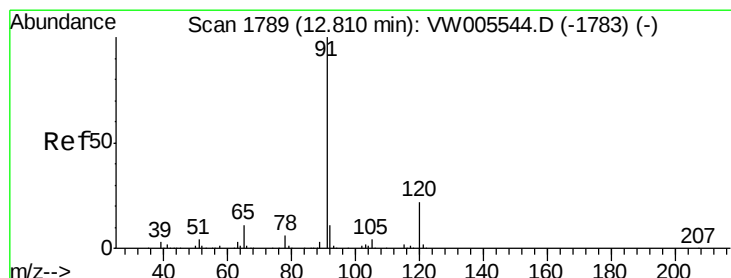
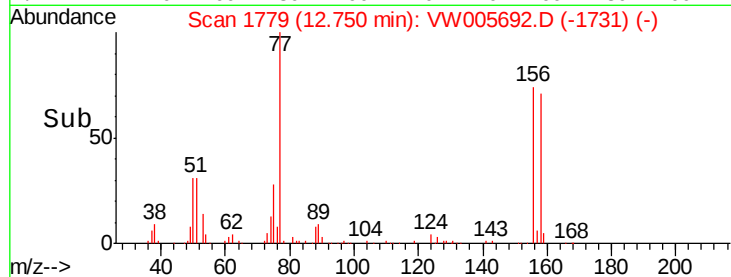
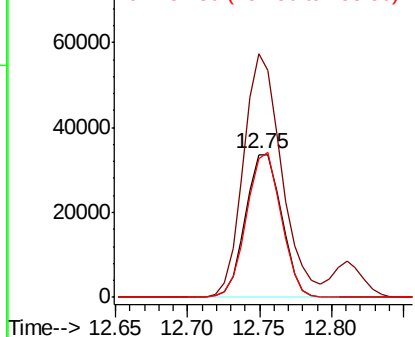
Tot Ion:	156	Resp:	58279
Ion	Ratio	Lower	Upper
156	100		
77	181.3	94.7	284.1
158	97.2	48.0	144.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.581 ug/l

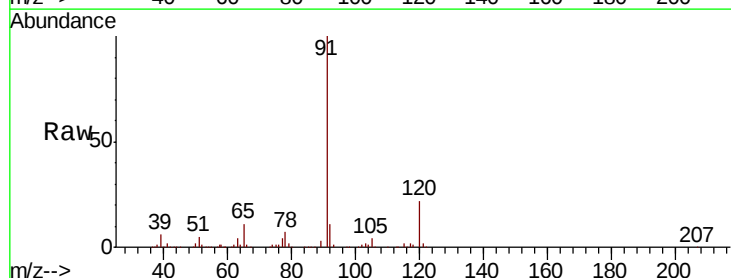
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

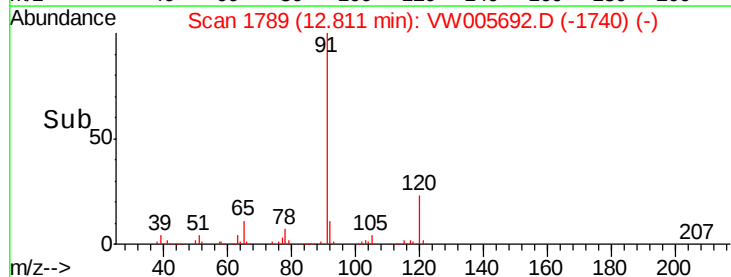
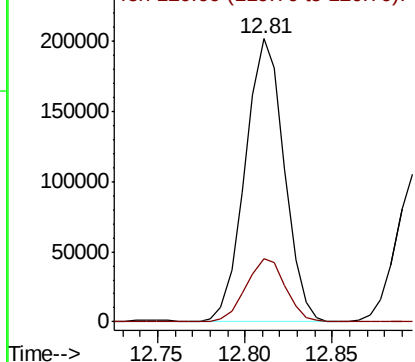
Lab File: VW005692.D

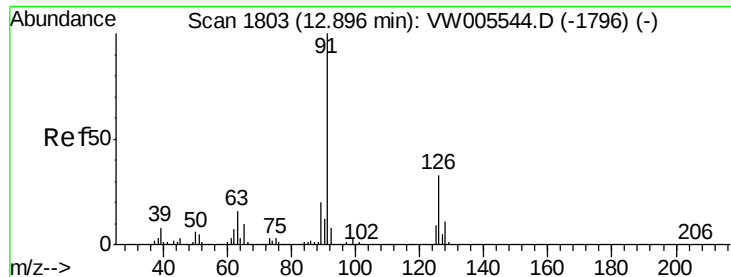
Acq: 27 Sep 2018 11:51

Tgt Ion:	91	Resp:	313030
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.996 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion: 91 Resp: 176199

Ion Ratio Lower Upper

91 100

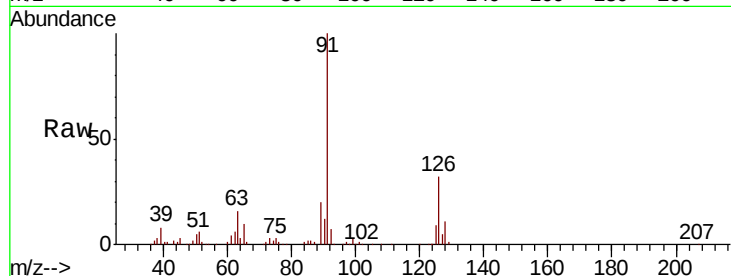
126 32.6 16.4 49.1

Manual Integrations

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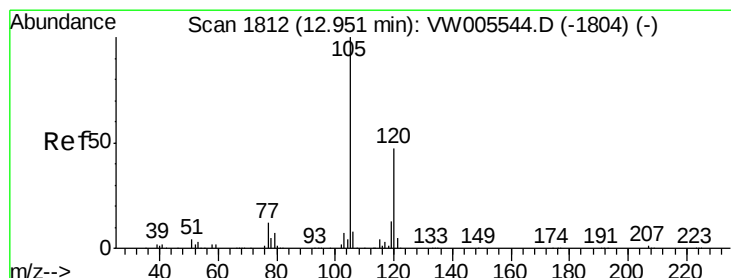
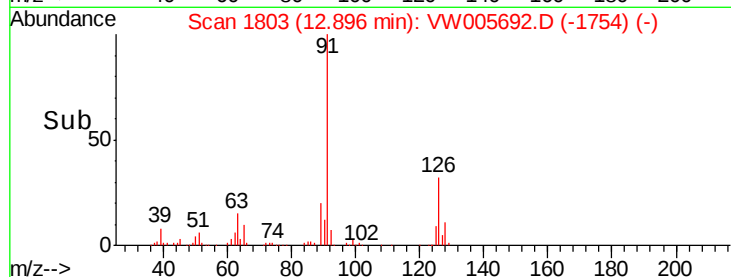
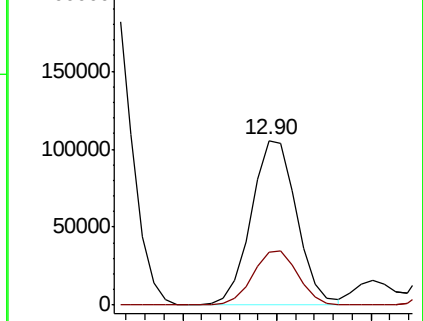
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.519 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005692.D

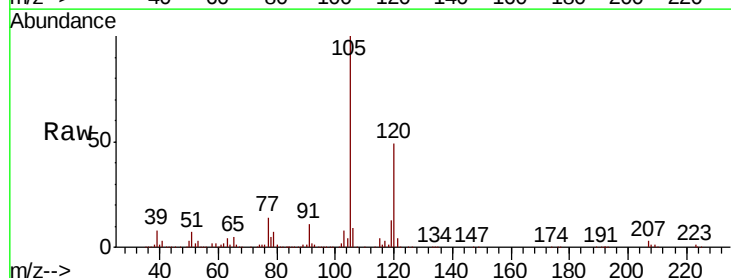
Acq: 27 Sep 2018 11:51

Tgt Ion:105 Resp: 224180

Ion Ratio Lower Upper

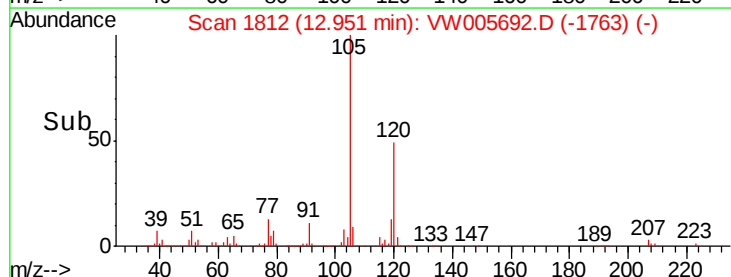
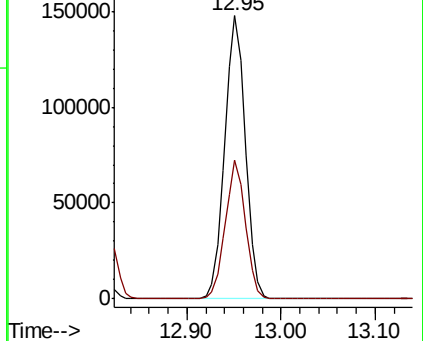
105 100

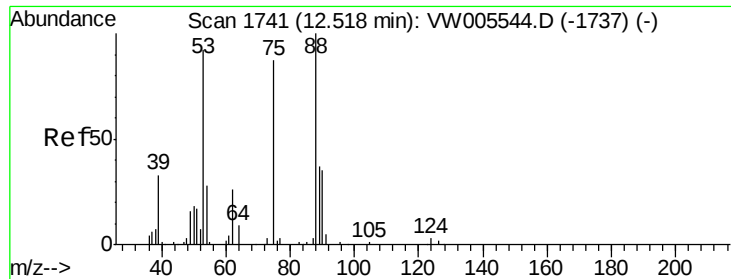
120 47.9 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





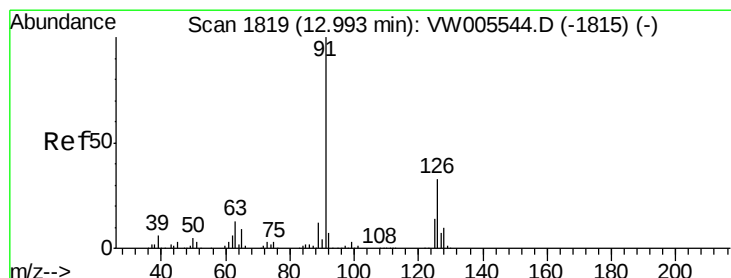
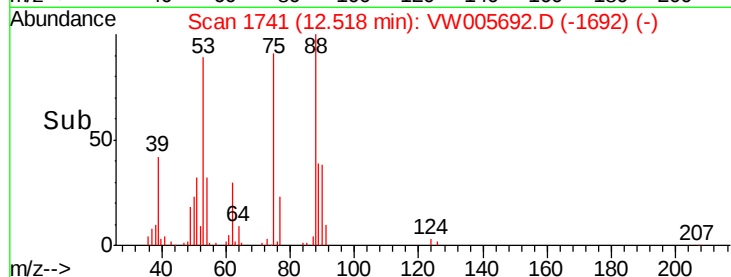
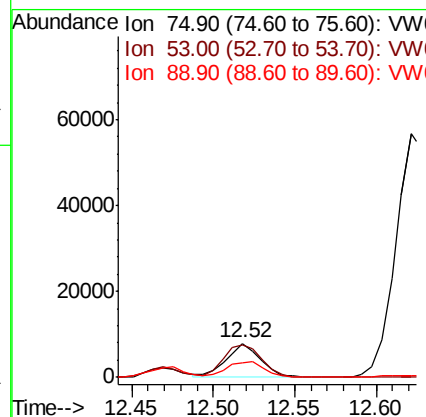
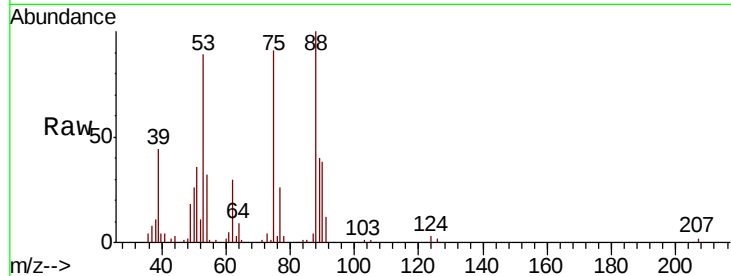
#81
trans-1,4-Dichloro-2-butene
Concen: 17.761 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	85.8	128.6
89	49.4	37.3	55.9

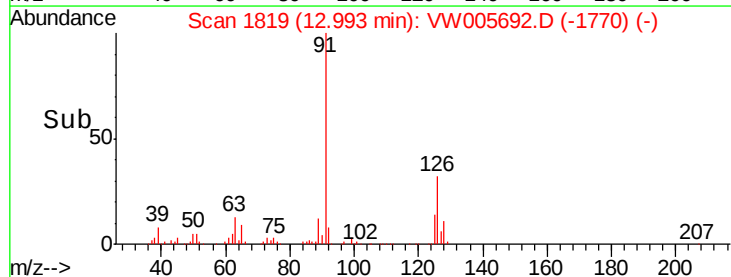
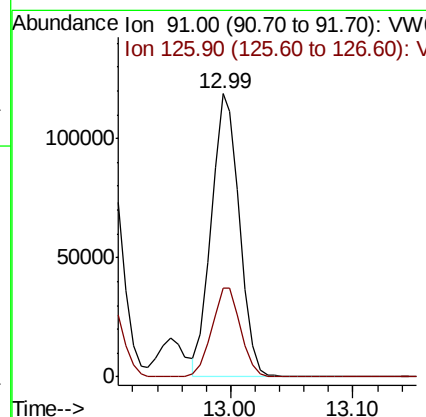
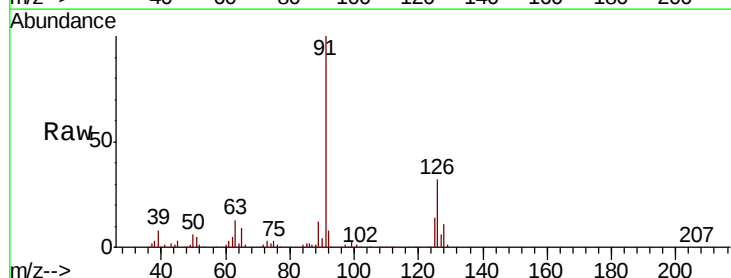
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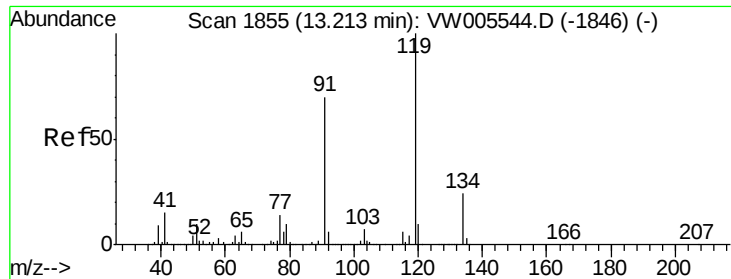
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#82
4-Chlorotoluene
Concen: 21.342 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4





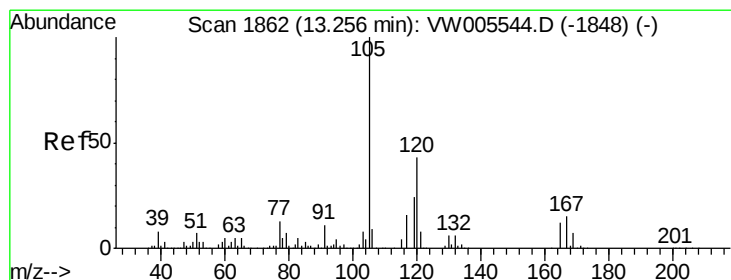
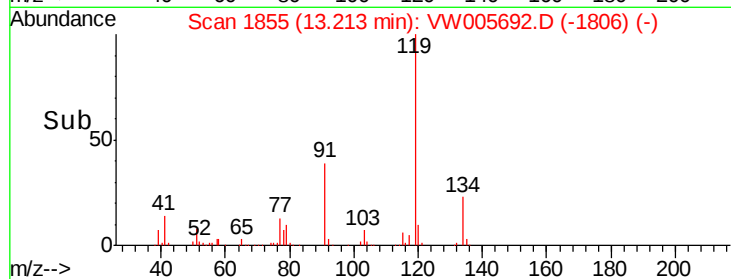
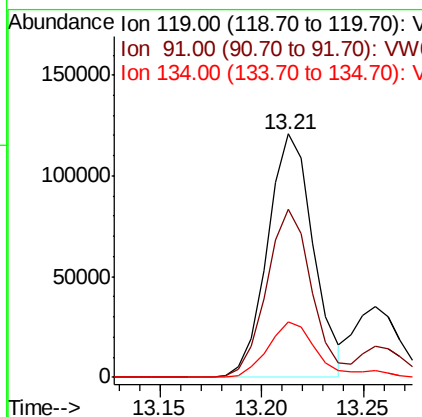
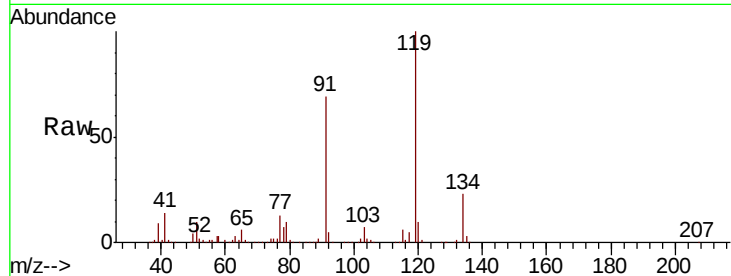
#83
tert-Butylbenzene
Concen: 21.658 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	189556		
91	68.6		34.6	103.8
134	25.2		12.6	37.6

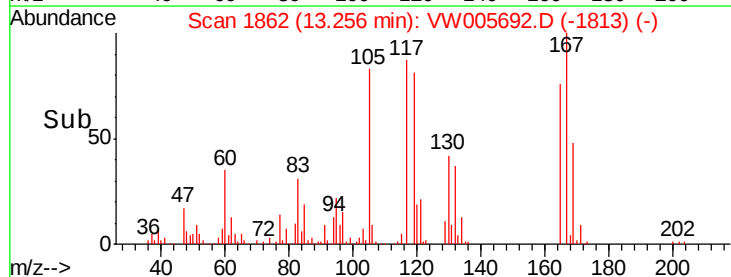
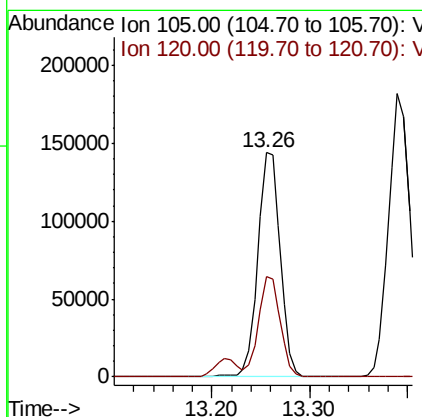
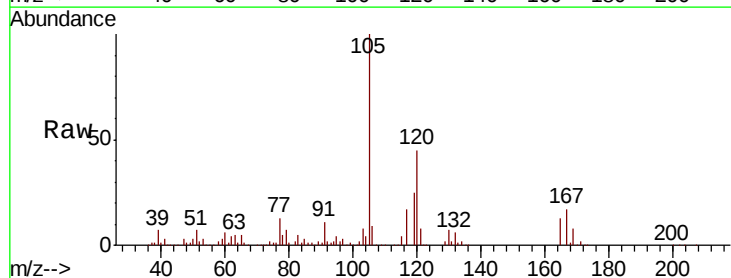
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#84
1,2,4-Trimethylbenzene
Concen: 21.913 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230368		
120	43.3		21.5	64.5





#85

sec-Butylbenzene

Concen: 21.917 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VW0927SBS01

Tot Ion:105 Resp: 278199

Ion Ratio Lower Upper

105 100

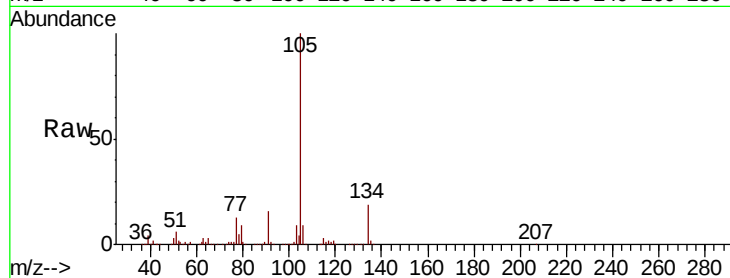
134 19.5 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

200000

150000

100000

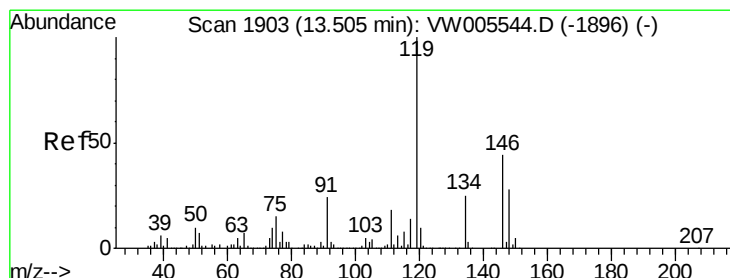
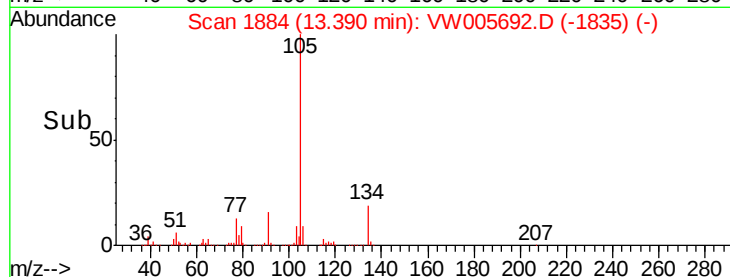
50000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 22.047 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

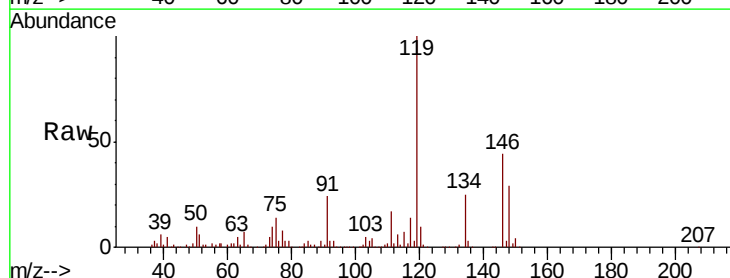
Tgt Ion:119 Resp: 250840

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.0 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

200000

150000

100000

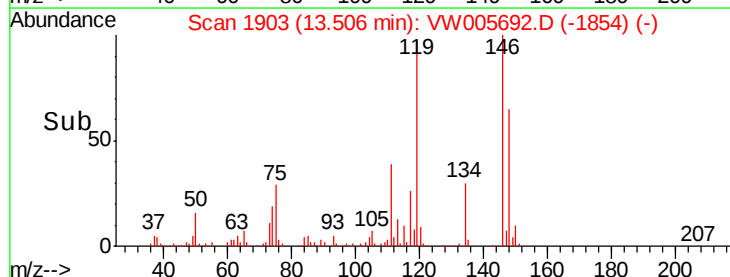
50000

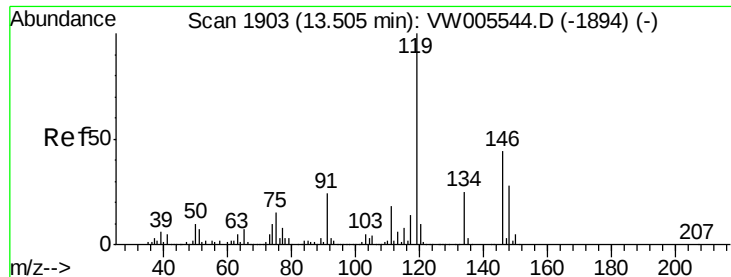
0

13.40

13.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.888 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Instrument :

MSVOA_W

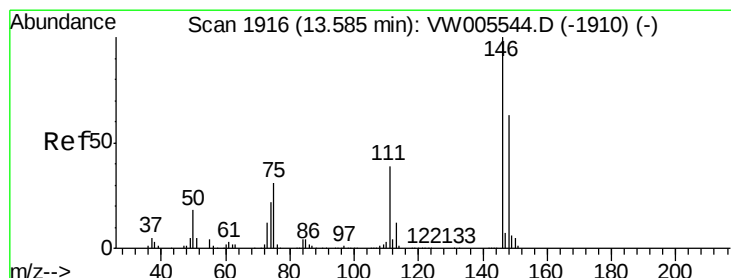
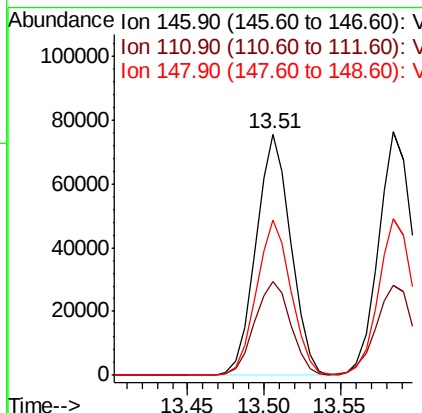
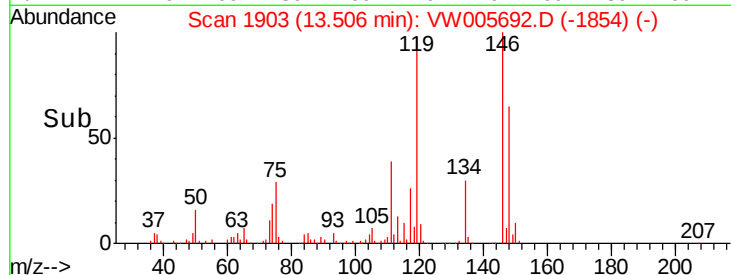
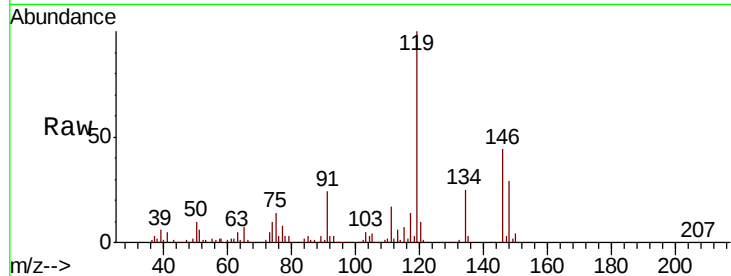
ClientSampleId :

VW0927SBS01

Tot Ion:	146	Resp:	119934
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.9
148	63.9	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.868 ug/l

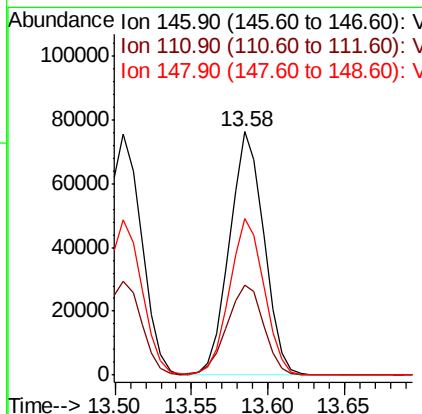
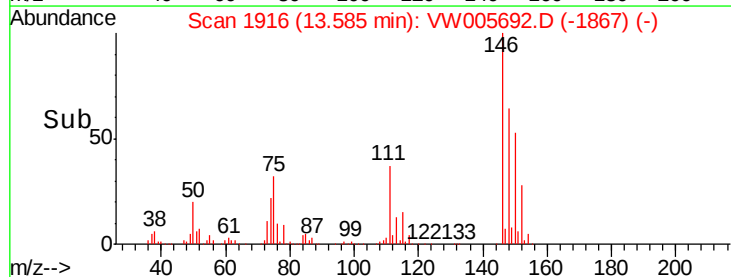
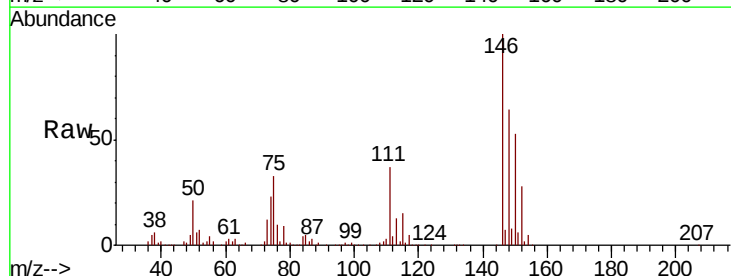
RT: 13.58 min Scan# 1916

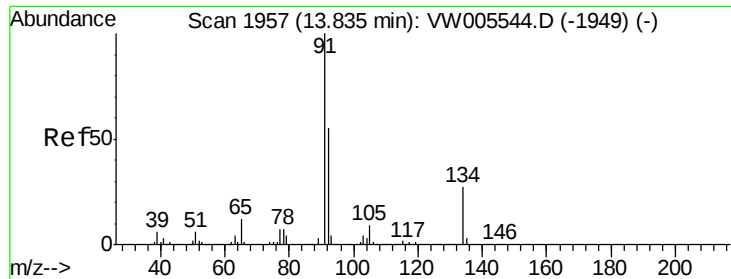
Delta R.T. 0.00 min

Lab File: VW005692.D

Acq: 27 Sep 2018 11:51

Tgt Ion:	146	Resp:	119167
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.9	59.7
148	64.5	32.1	96.3





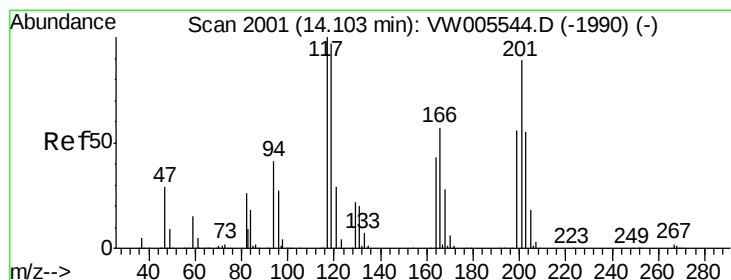
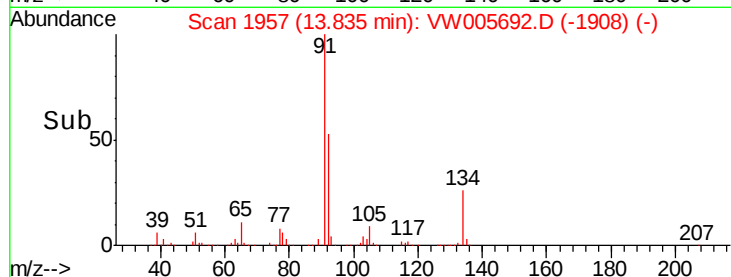
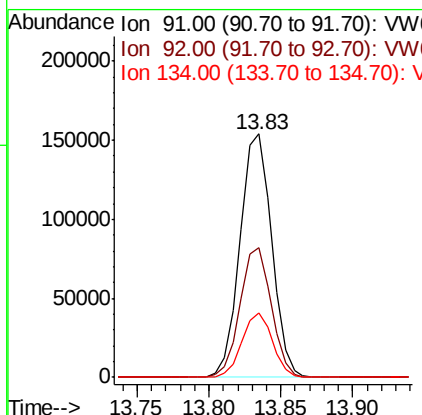
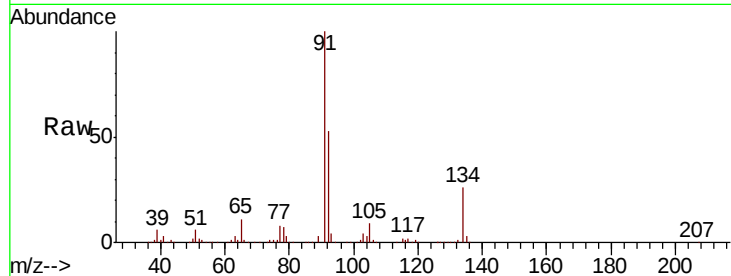
#89
n-Butylbenzene
Concen: 21.936 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	25.4	12.9	38.7

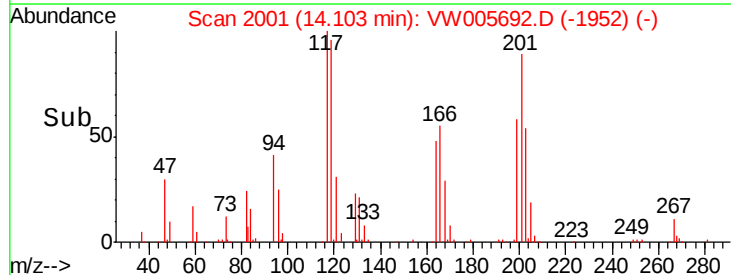
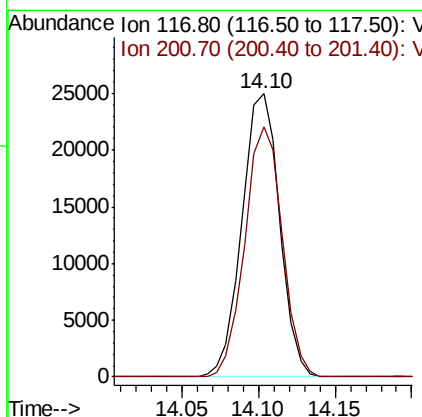
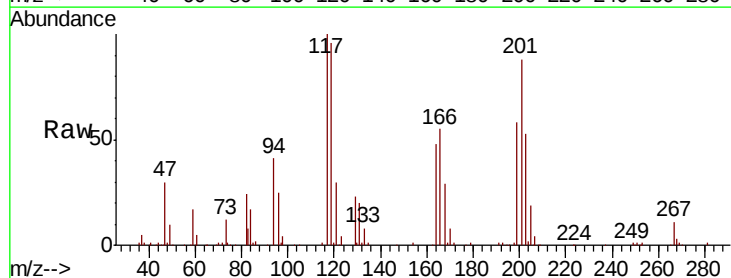
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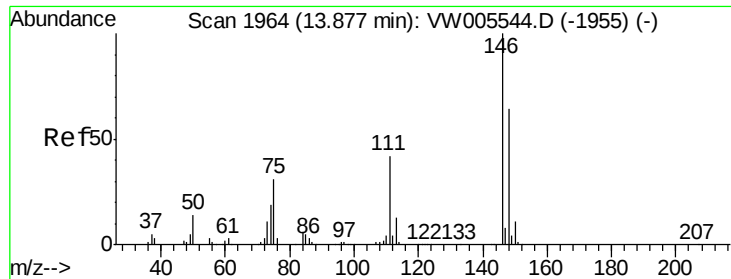
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#90
Hexachloroethane
Concen: 20.771 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	42.8	128.3





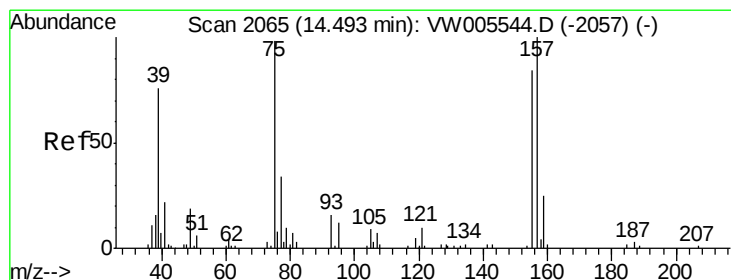
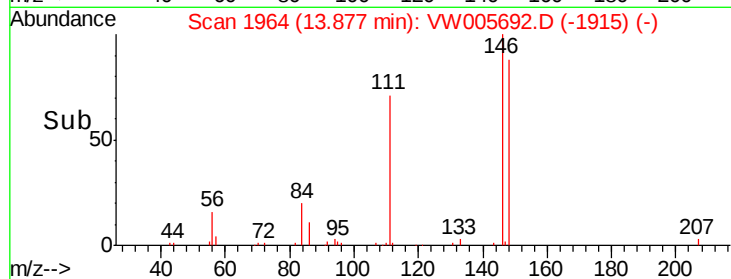
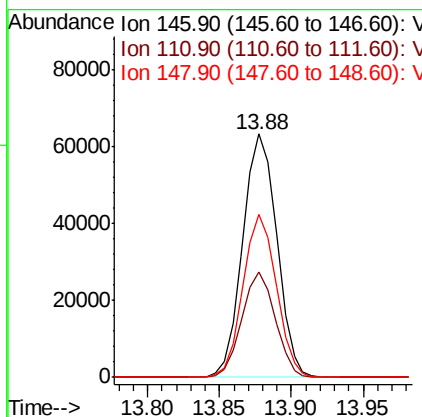
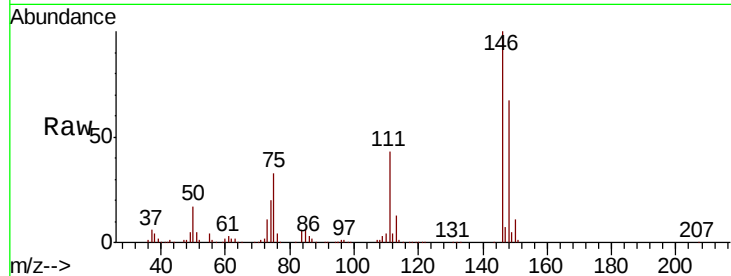
#91
 1,2-Dichlorobenzene
 Concen: 20.485 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	65.3	32.0	96.2

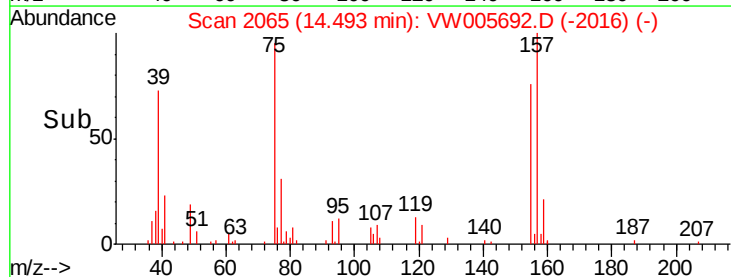
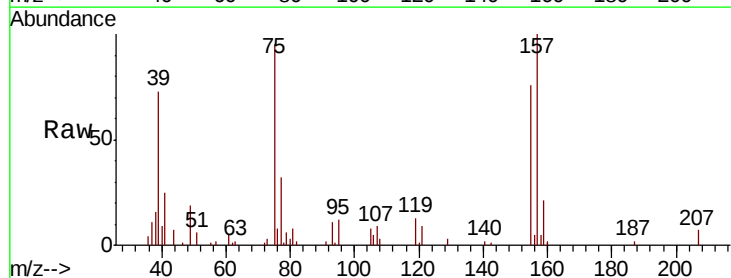
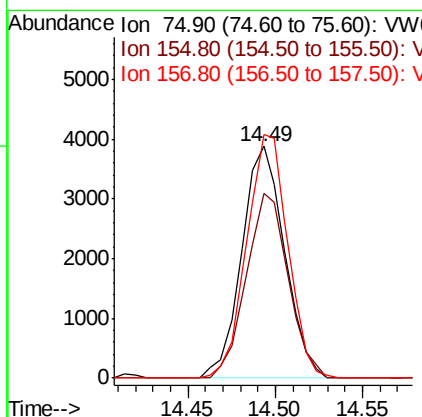
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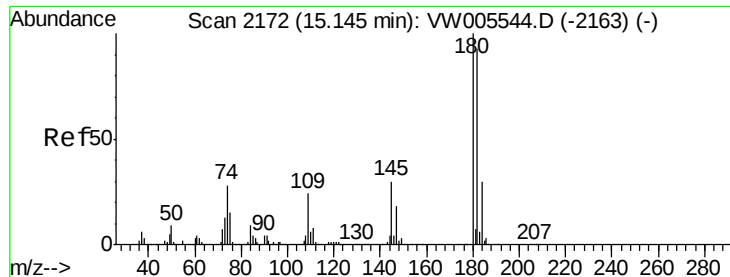
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.402 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.1	117.5
157	101.2	50.8	152.4





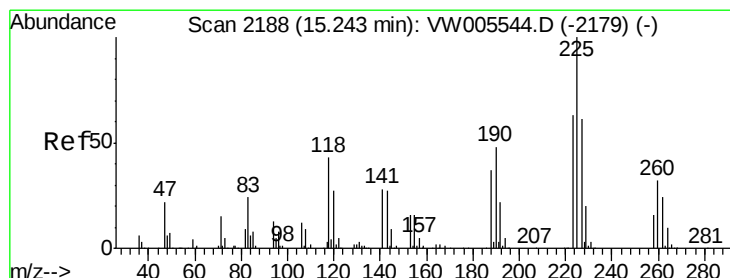
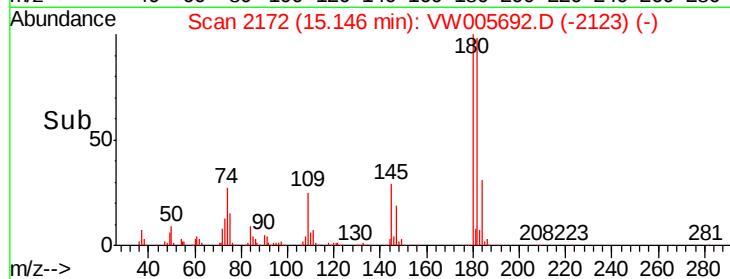
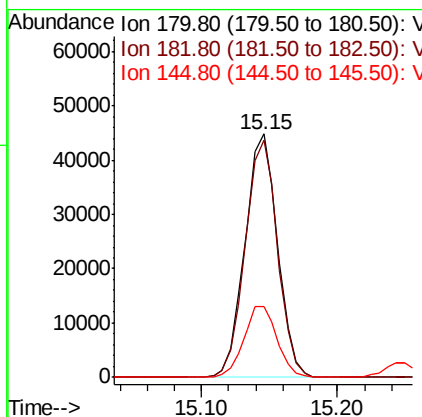
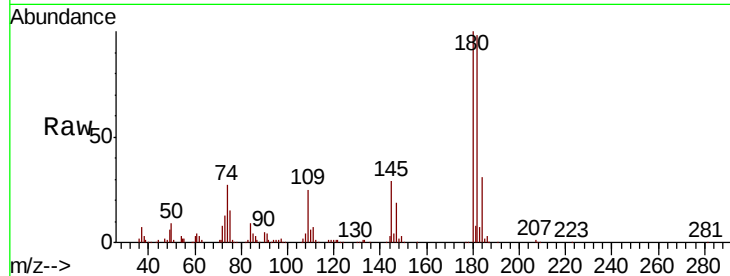
#93
 1,2,4-Trichlorobenzene
 Concen: 20.812 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0927SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75253		
182	96.7		47.7	143.1
145	29.7		15.0	45.1

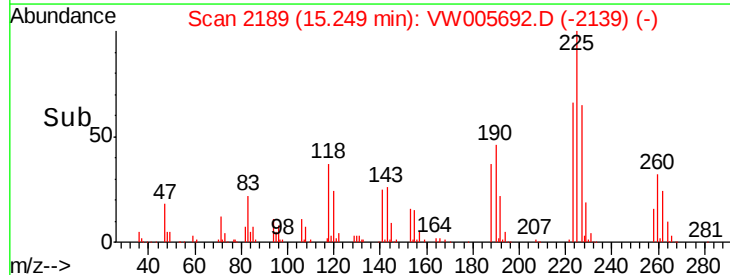
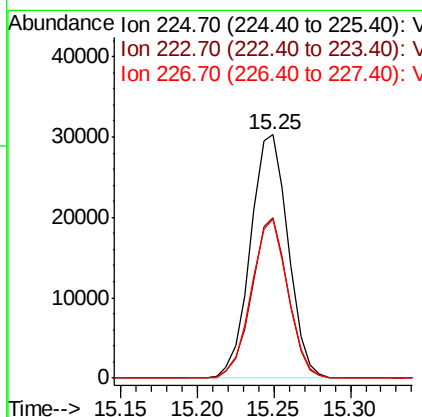
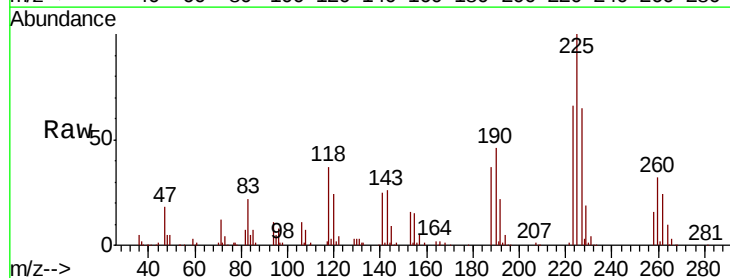
Manual Integrations
 APPROVED

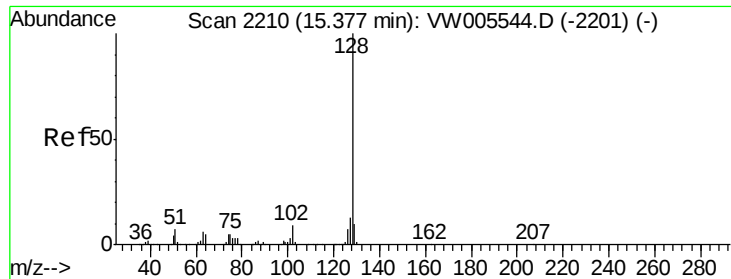
MMDadoda
 9/28/2018 11:06:21 AM



#94
 Hexachlorobutadiene
 Concen: 22.081 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005692.D
 Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51725		
223	63.4		31.1	93.3
227	63.5		31.8	95.3





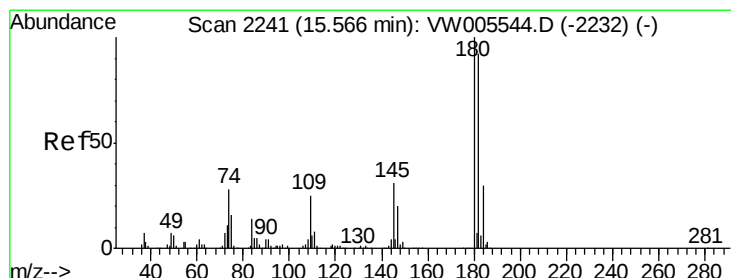
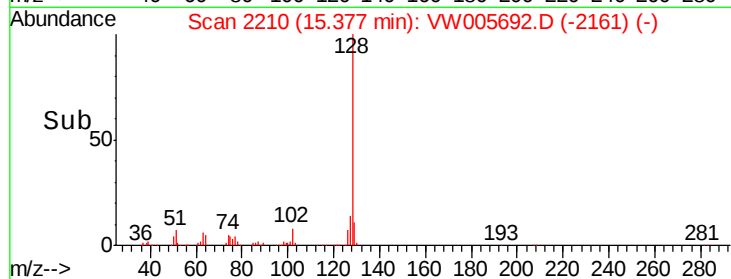
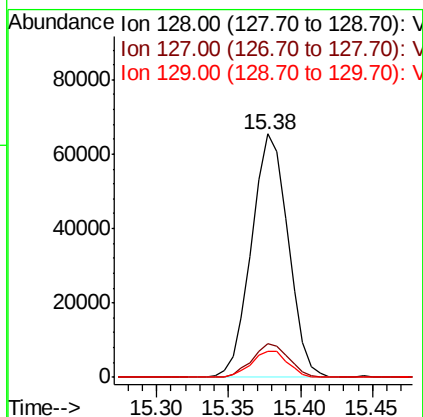
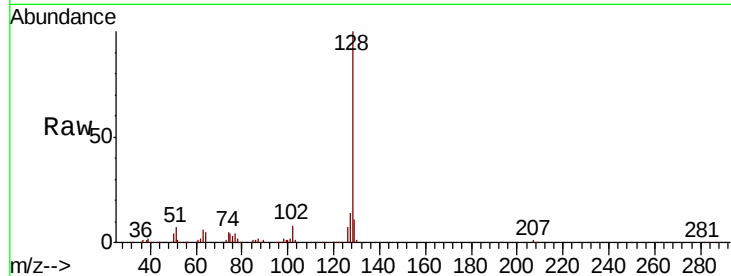
#95
Naphthalene
Concen: 18.954 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VW0927SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	115276		
127	13.7	10.9	16.3	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
9/28/2018 11:06:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.633 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005692.D
Acq: 27 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65746		
182	95.7	47.3	141.9	
145	31.7	16.0	47.9	

