

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010721.D
 Acq On : 06 Jun 2019 20:51
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 11:24:59 AM

Quant Time: Jun 07 09:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	139760	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
35) Dibromofluoromethane	7.88	113	107701	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.32	98	436511	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
62) 4-Bromofluorobenzene	12.62	95	164367	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	106482	49.616	ug/l	99
3) Chloromethane	2.21	50	169856	53.795	ug/l	98
4) Vinyl Chloride	2.35	62	149671	51.305	ug/l	98
5) Bromomethane	2.75	94	85826	53.574	ug/l	96
6) Chloroethane	2.91	64	95723	54.665	ug/l	98
7) Trichlorofluoromethane	3.25	101	200956	53.066	ug/l	97
8) Diethyl Ether	3.68	74	78627	58.100	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124825	53.614	ug/l	99
10) Methyl Iodide	4.27	142	122003	50.786	ug/l	98
11) Tert butyl alcohol	5.17	59	78819	353.443	ug/l	96
12) 1,1-Dichloroethene	4.04	96	121979	54.312	ug/l	97
13) Acrolein	3.90	56	24742	271.513	ug/l	96
14) Allyl chloride	4.67	41	287619	58.081	ug/l	100
15) Acrylonitrile	5.37	53	198676	302.188	ug/l	100
16) Acetone	4.12	43	212280	289.423	ug/l	99
17) Carbon Disulfide	4.38	76	385569	54.081	ug/l	99
18) Methyl Acetate	4.67	43	97577	61.803	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	384843	59.412	ug/l	98
20) Methylene Chloride	4.92	84	143719	55.855	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	142107	55.738	ug/l	97
22) Diisopropyl ether	6.31	45	586932	59.201	ug/l	99
23) Vinyl Acetate	6.26	43	1781836	297.809	ug/l	100
24) 1,1-Dichloroethane	6.21	63	286596	57.684	ug/l	98
25) 2-Butanone	7.17	43	310109	304.912	ug/l	99
26) 2,2-Dichloropropane	7.16	77	218690	54.092	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	162617	57.957	ug/l	99
28) Bromochloromethane	7.51	49	127759	57.620	ug/l	98
29) Tetrahydrofuran	7.53	42	195732	305.968	ug/l	99
30) Chloroform	7.68	83	263826	58.054	ug/l	99
31) Cyclohexane	7.95	56	279107	50.535	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	225241	56.740	ug/l	99
36) 1,1-Dichloropropene	8.08	75	214425	52.748	ug/l	100
37) Ethyl Acetate	7.26	43	131254	58.267	ug/l	98
38) Carbon Tetrachloride	8.07	117	186559	53.163	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264355	51.156	ug/l	99
40) Benzene	8.32	78	602740	54.351	ug/l	98
41) Methacrylonitrile	7.48	41	76928	57.454	ug/l	98
42) 1,2-Dichloroethane	8.40	62	200440	56.948	ug/l	99
43) Isopropyl Acetate	8.43	43	255750	58.767	ug/l	100
44) Trichloroethene	9.09	130	146623	53.598	ug/l	99
45) 1,2-Dichloropropane	9.37	63	164748	56.120	ug/l	99
46) Dibromomethane	9.46	93	77265	56.666	ug/l	99
47) Bromodichloromethane	9.65	83	202876	57.399	ug/l	98
48) Methyl methacrylate	9.43	41	124790	59.473	ug/l	97
49) 1,4-Dioxane	9.45	88	25858	1212.968	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	663922	298.622	ug/l	100
52) Toluene	10.39	92	372599	54.607	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	212469	56.754	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	248533	56.417	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	111957	56.996	ug/l	98
56) Ethyl methacrylate	10.65	69	178798	59.155	ug/l	98
57) 1,3-Dichloropropane	10.93	76	209480	56.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	413768	261.361	ug/l	100
59) 2-Hexanone	10.97	43	473454	294.653	ug/l	99
60) Dibromochloromethane	11.13	129	126495	58.093	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105148	56.498	ug/l	99
64) Tetrachloroethene	10.87	164	130195	55.023	ug/l	99
65) Chlorobenzene	11.66	112	381414	54.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	136460	56.249	ug/l	99
67) Ethyl Benzene	11.73	91	732367	54.376	ug/l	99
68) m/p-Xylenes	11.84	106	524589	108.804	ug/l	100
69) o-Xylene	12.17	106	251192	54.933	ug/l	98
70) Styrene	12.18	104	444948	56.014	ug/l	100
71) Bromoform	12.35	173	73438	58.532	ug/l #	99
73) Isopropylbenzene	12.47	105	681853	51.785	ug/l	99
74) N-amyl acetate	12.27	43	246509	57.929	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	137632	54.907	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	104634m	56.866	ug/l	
77) Bromobenzene	12.75	156	154185	53.646	ug/l	99
78) n-propylbenzene	12.80	91	829453	52.243	ug/l	100
79) 2-Chlorotoluene	12.90	91	483665	53.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	574213	53.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43795	54.703	ug/l	99
82) 4-Chlorotoluene	12.99	91	498801	53.288	ug/l	99
83) tert-Butylbenzene	13.21	119	495770	54.203	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	580403	53.517	ug/l	99
85) sec-Butylbenzene	13.39	105	689455	51.773	ug/l	100
86) p-Isopropyltoluene	13.50	119	629650	52.873	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	294496	53.133	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	292059	53.151	ug/l	99
89) n-Butylbenzene	13.83	91	625325	52.628	ug/l	100
90) Hexachloroethane	14.10	117	114601	53.736	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	266436	53.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25784	59.901	ug/l	97

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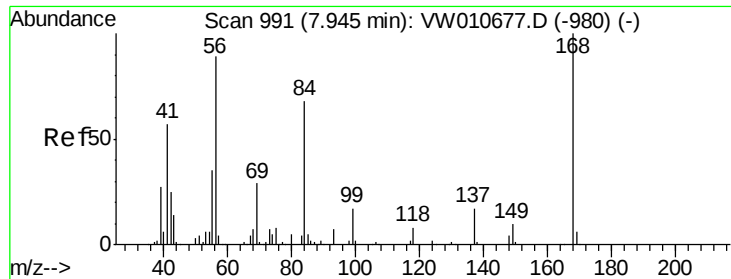
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	193716	55.381	ug/l	100
94) Hexachlorobutadiene	15.24	225	117348	53.455	ug/l	99
95) Naphthalene	15.37	128	368836	58.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	168781	56.738	ug/l	100

(#) = 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. 0.01 min

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Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 232238

Ion Ratio Lower Upper

168 100

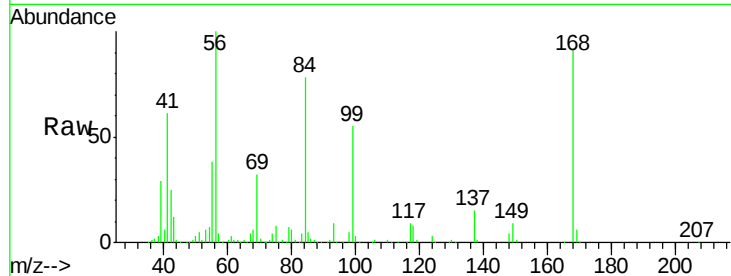
99 60.9 47.7 71.5

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

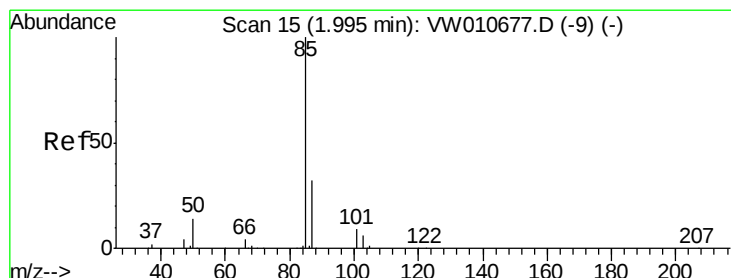
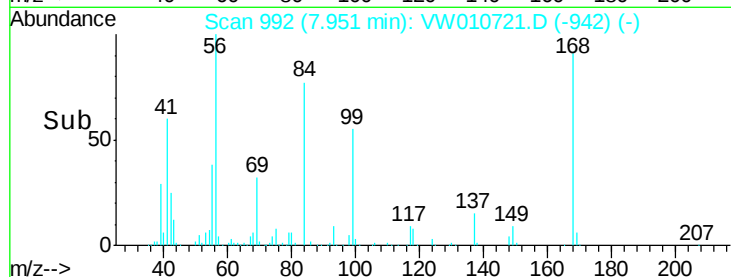
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.616 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010721.D

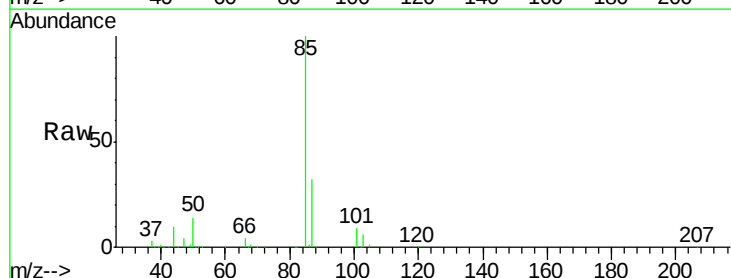
Acq: 06 Jun 2019 20:51

Tgt Ion: 85 Resp: 106482

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

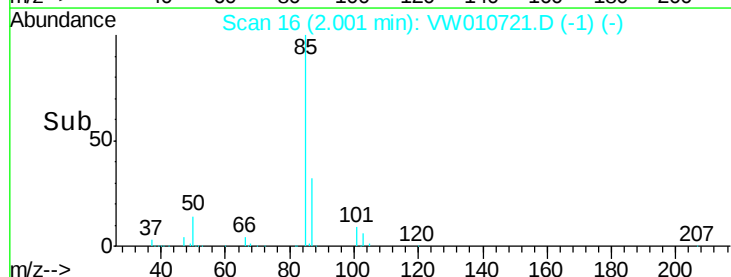
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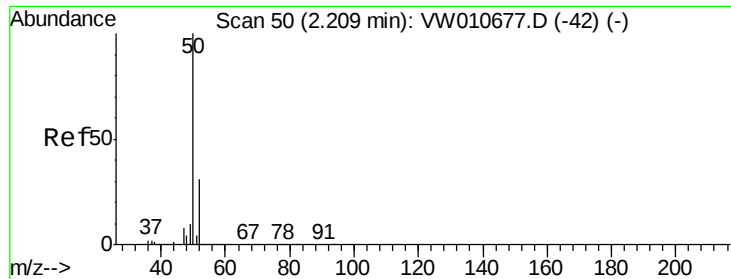
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20000

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Time-->





#3

Chloromethane

Concen: 53.795 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 169856

Ion Ratio Lower Upper

50 100

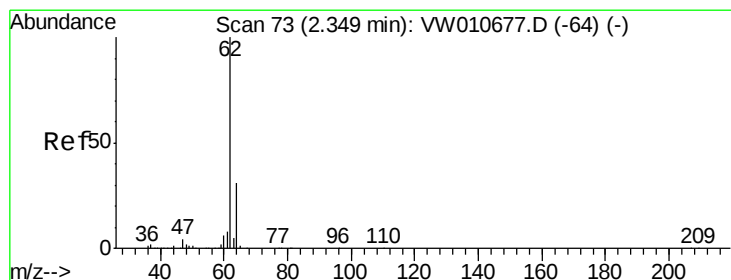
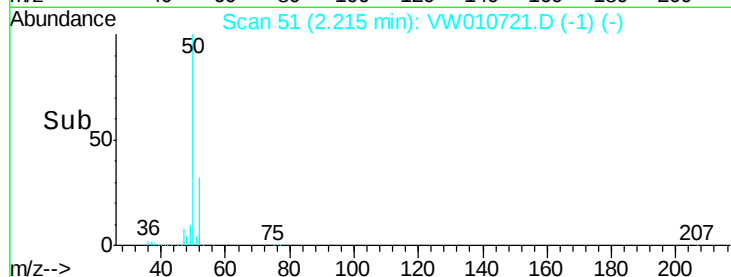
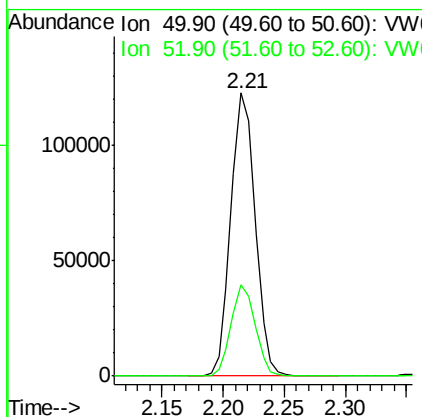
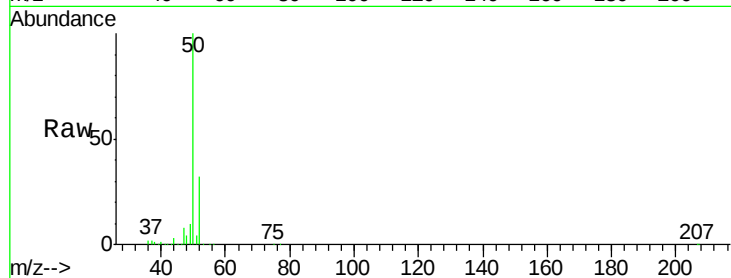
52 32.4 25.2 37.8

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#4

Vinyl Chloride

Concen: 51.305 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010721.D

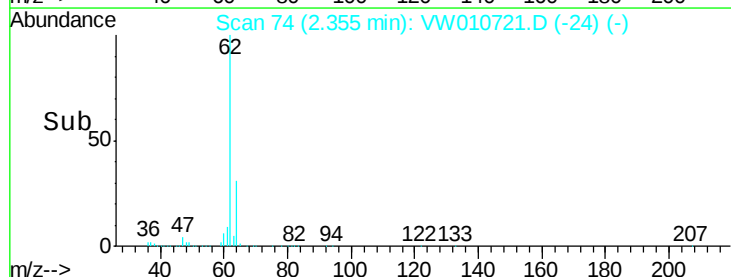
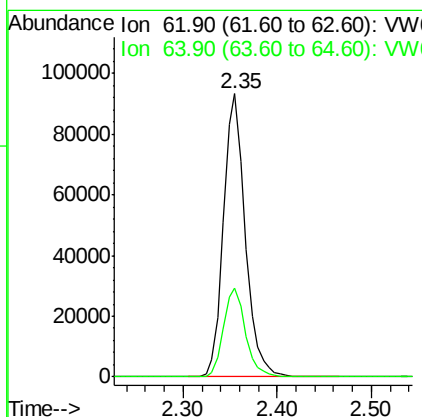
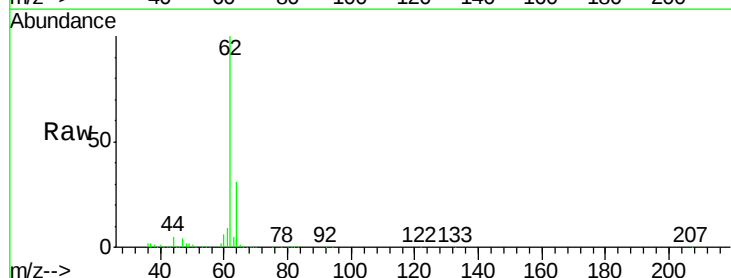
Acq: 06 Jun 2019 20:51

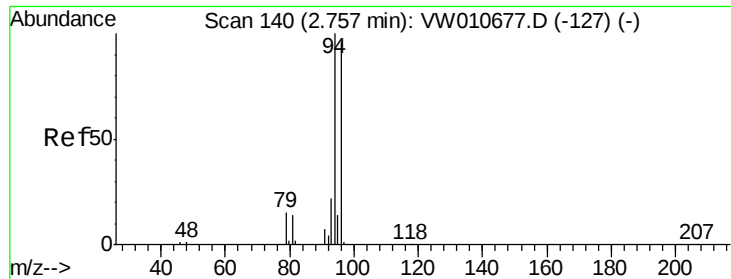
Tgt Ion: 62 Resp: 149671

Ion Ratio Lower Upper

62 100

64 31.5 24.5 36.7





#5

Bromomethane

Concen: 53.574 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 85826

Ion Ratio Lower Upper

94 100

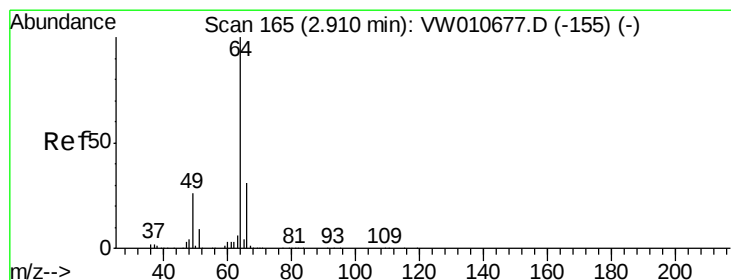
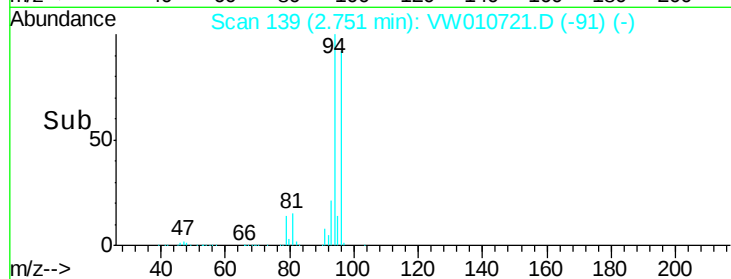
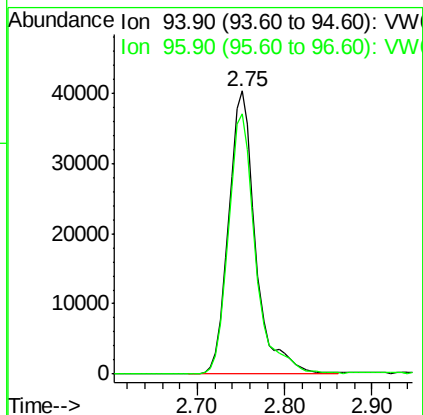
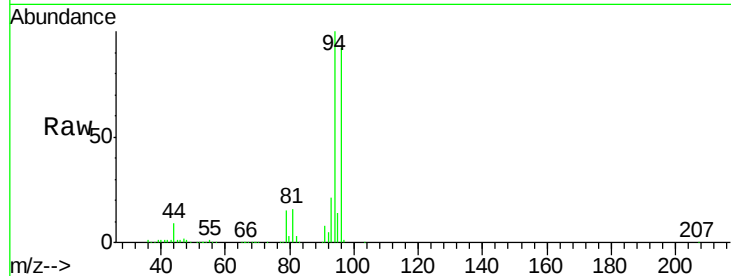
96 92.2 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 54.665 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010721.D

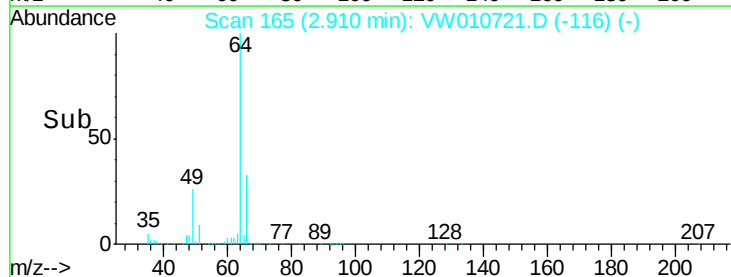
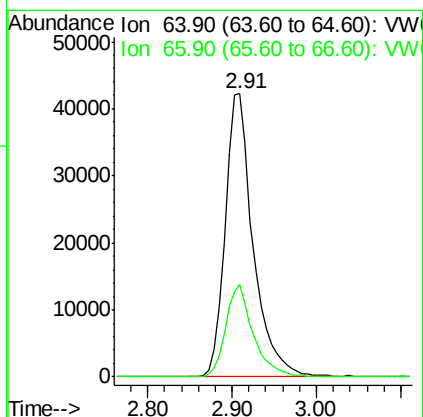
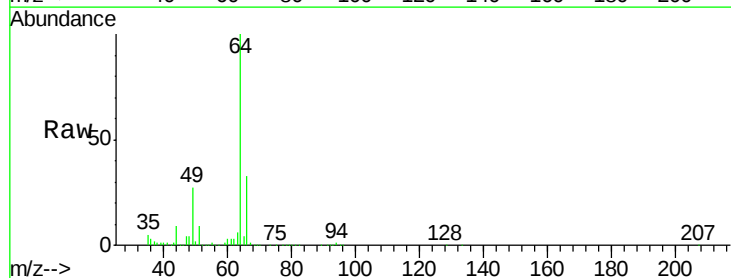
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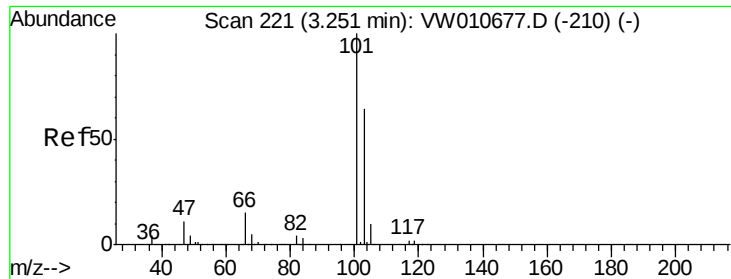
Tgt Ion: 64 Resp: 95723

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

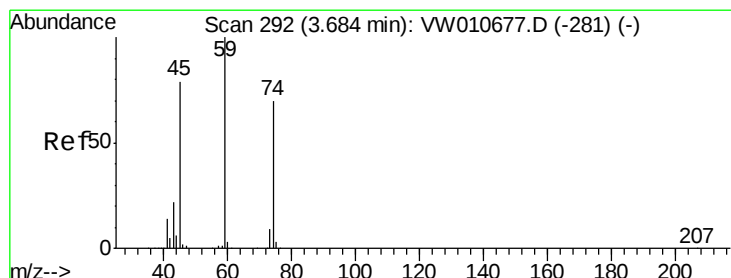
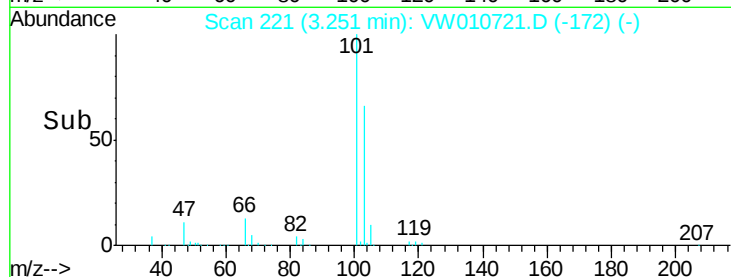
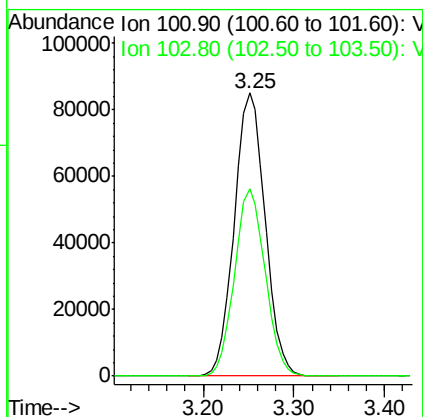
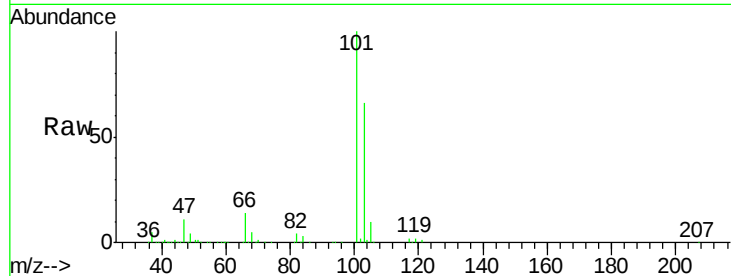
Trichlorofluoromethane
 Concen: 53.066 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	200956		
103	66.2	51.2	76.8	

Manual Integrations
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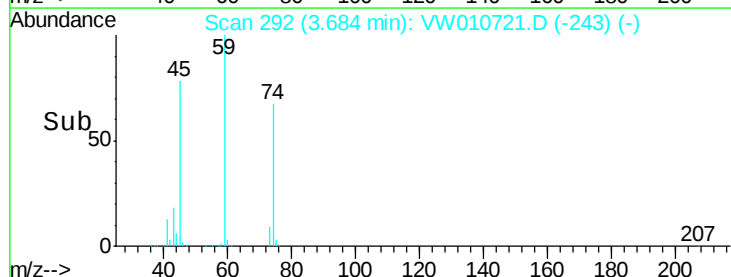
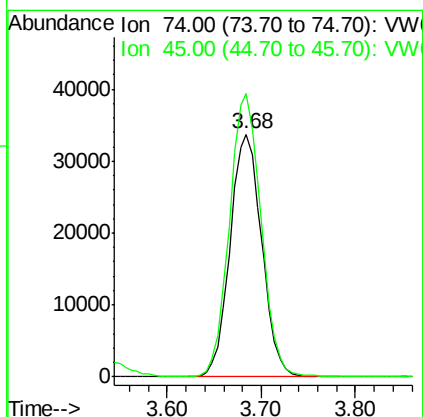
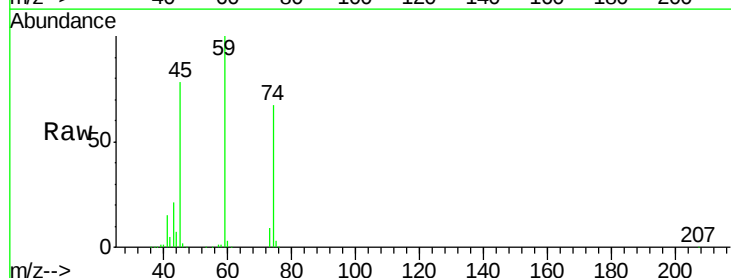
MMDadoda
 6/7/2019 11:24:59 AM

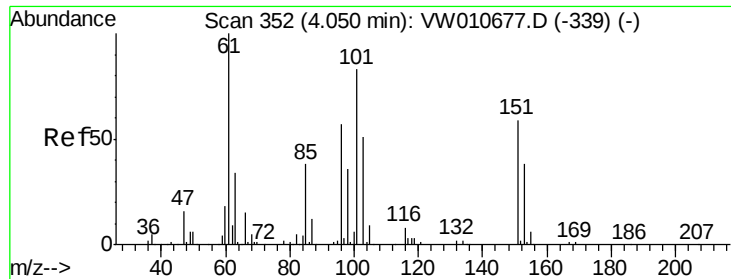


#8

Diethyl Ether
 Concen: 58.100 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78627		
45	116.4	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.614 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

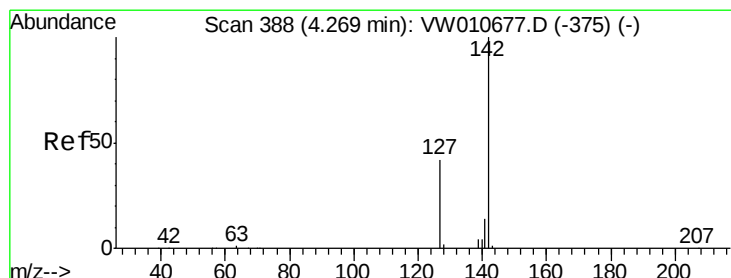
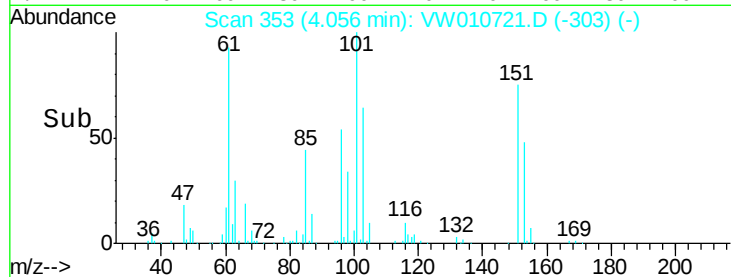
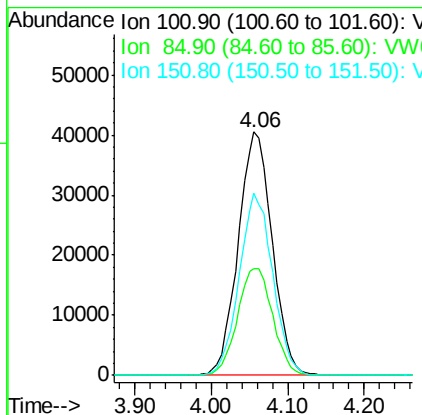
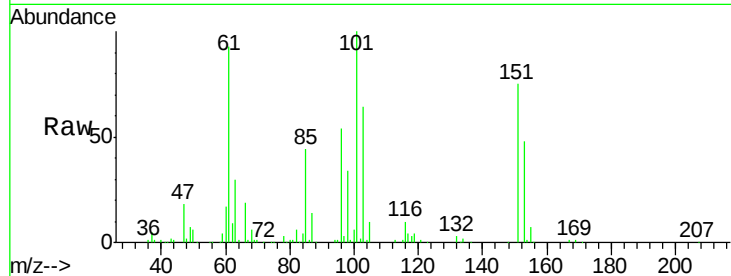
ClientSampleId :

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Tot Ion:	101	Resp:	124825
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.8
151	73.8	58.1	87.1

Manual Integrations
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#10

Methyl Iodide

Concen: 50.786 ug/l

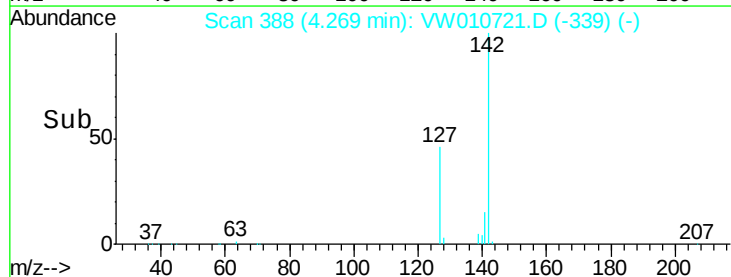
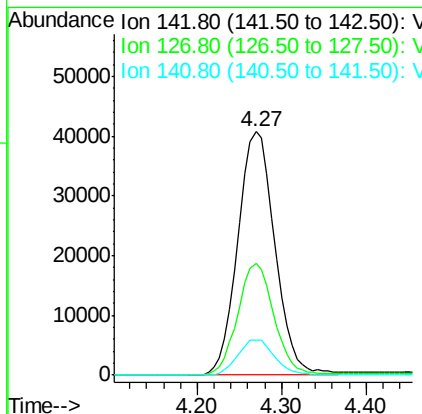
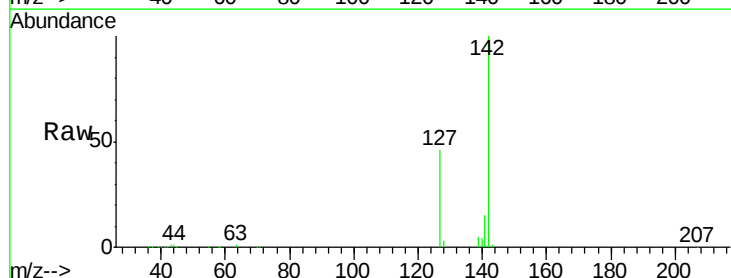
RT: 4.27 min Scan# 388

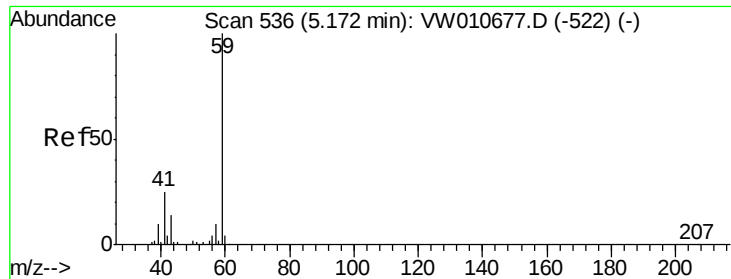
Delta R.T. 0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	142	Resp:	122003
Ion Ratio	Lower	Upper	
142	100		
127	45.0	34.6	51.8
141	14.4	11.6	17.4





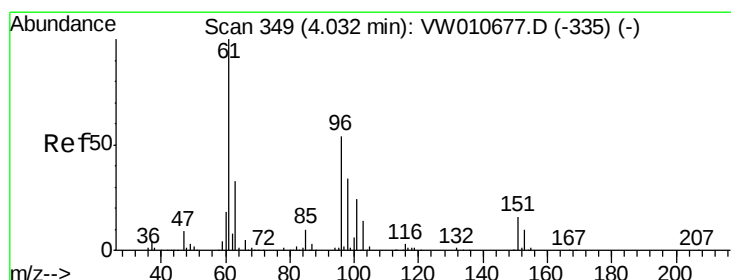
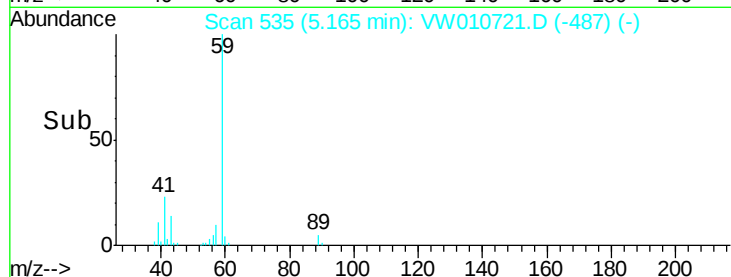
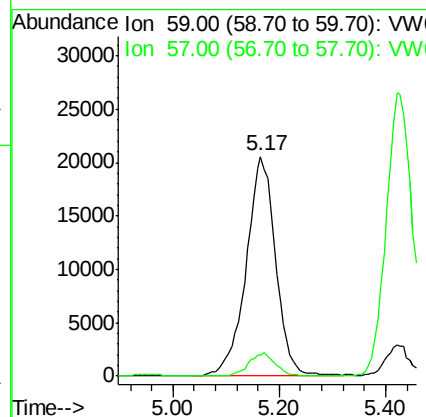
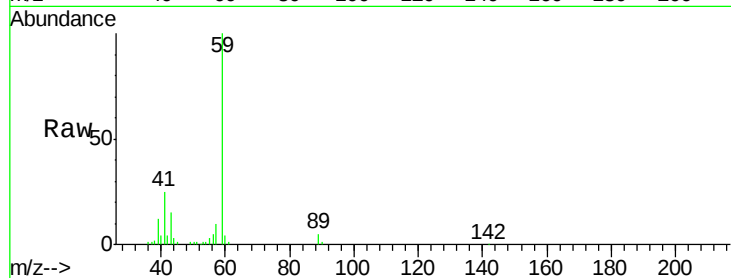
#11
Tert butyl alcohol
Concen: 353.443 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	78819
Ion Ratio	100	Lower	Upper
57	9.3	8.6	12.8

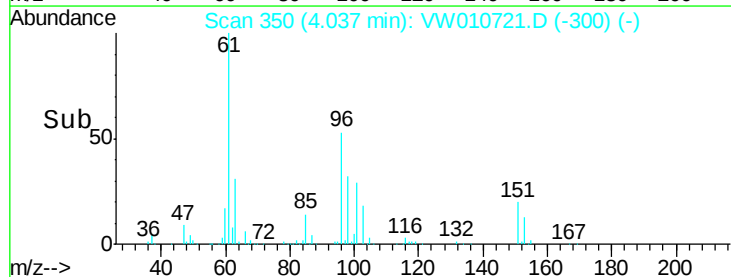
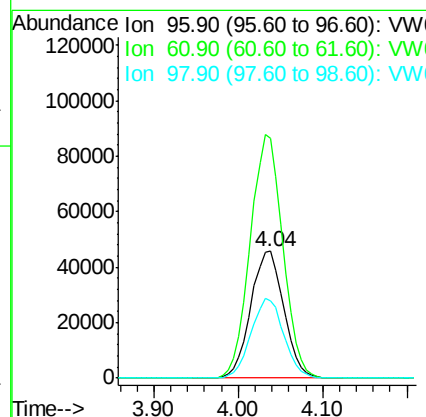
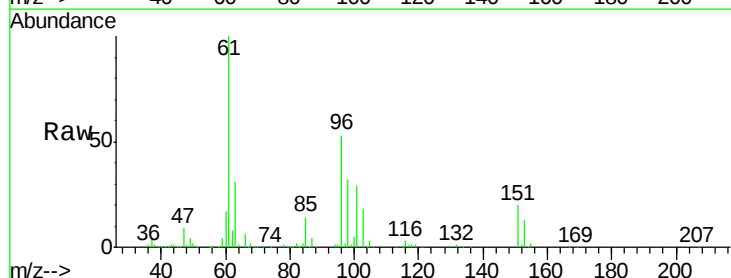
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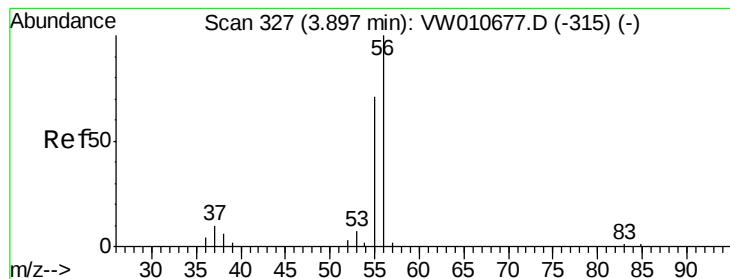
MMDadoda
6/7/2019 11:24:59 AM



#12
1,1-Dichloroethene
Concen: 54.312 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	96	Resp	121979
Ion Ratio	100	Lower	Upper
61	189.7	149.1	223.7
98	61.3	51.1	76.7





#13

Acrolein

Concen: 271.513 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 24742

Ion Ratio Lower Upper

56 100

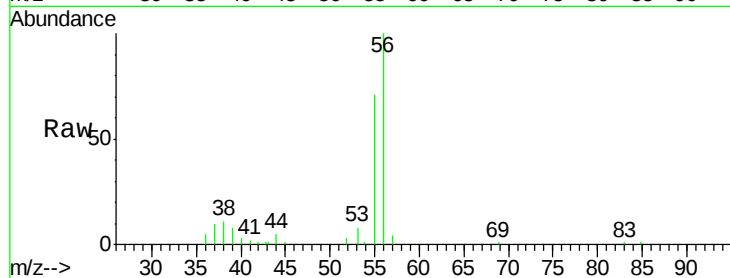
55 68.7 57.6 86.4

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

10000

8000

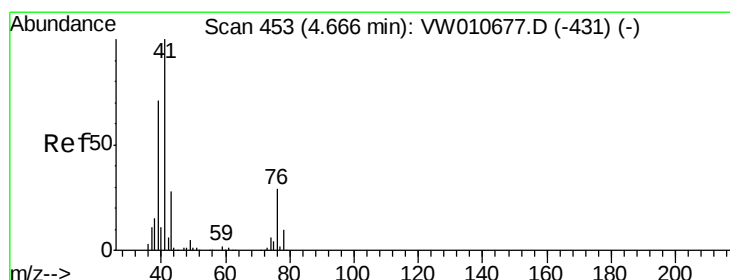
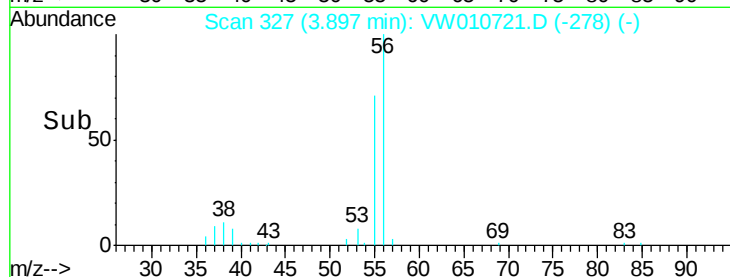
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 58.081 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

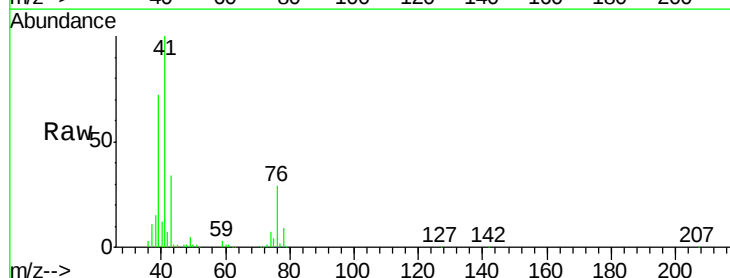
Tgt Ion: 41 Resp: 287619

Ion Ratio Lower Upper

41 100

39 69.8 55.8 83.6

76 27.8 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

120000

100000

80000

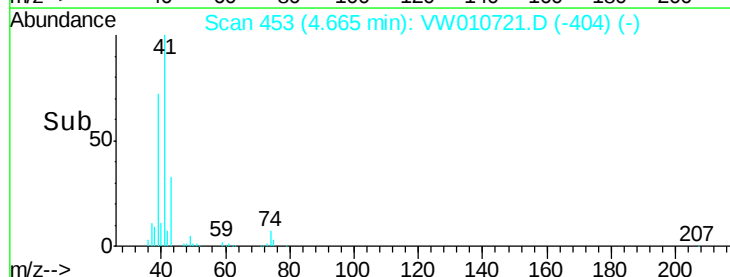
60000

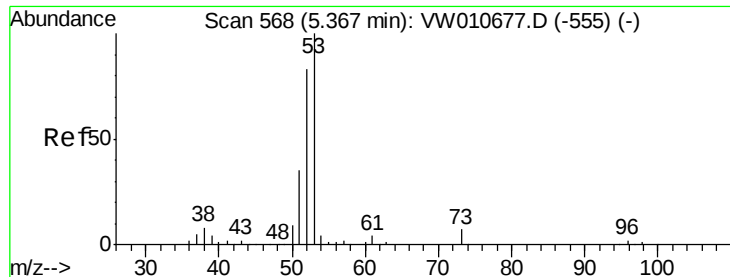
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 302.188 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

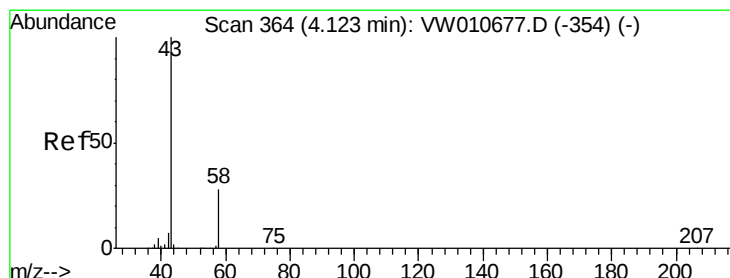
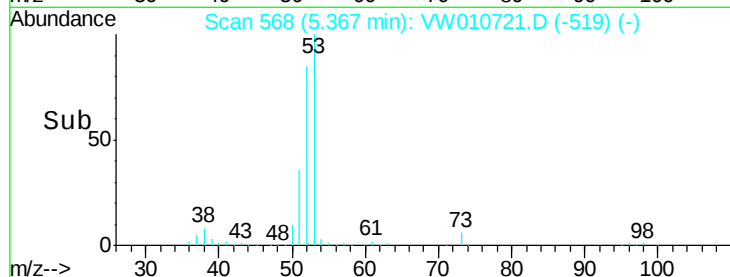
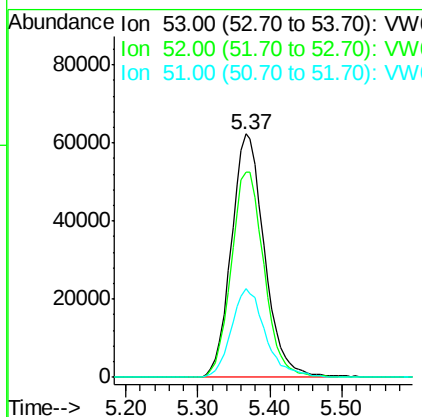
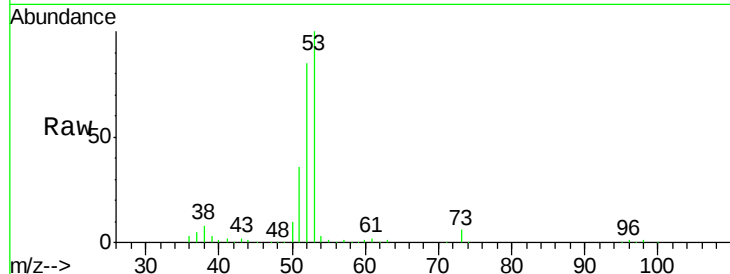
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	198676
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.6	100.0
51	37.6	29.8	44.8

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#16

Acetone

Concen: 289.423 ug/l

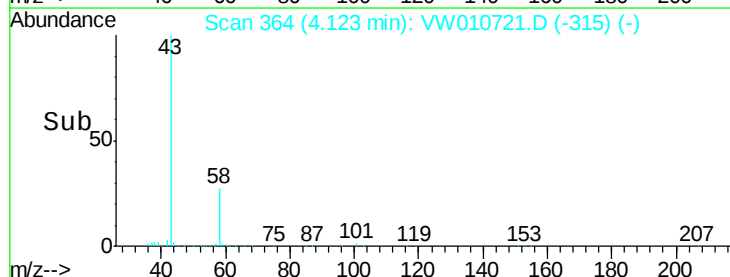
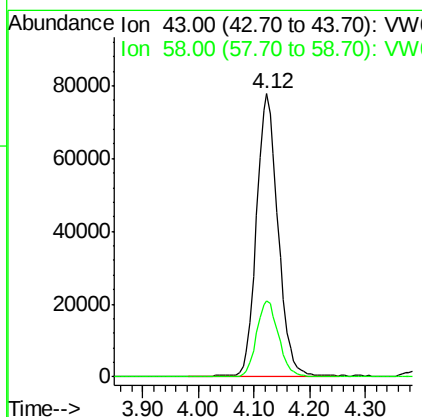
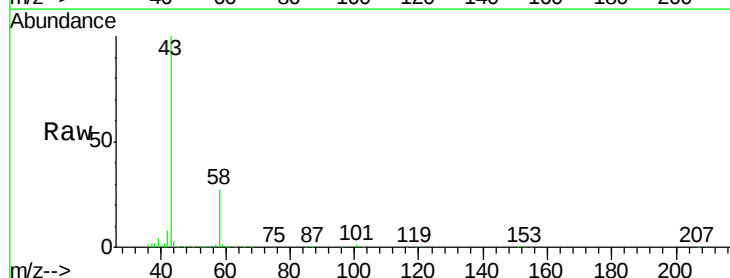
RT: 4.12 min Scan# 364

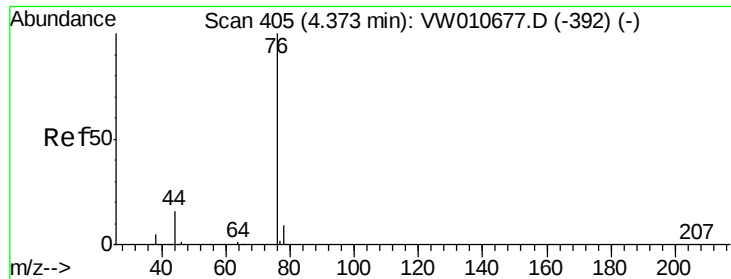
Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	43	Resp:	212280
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.1	33.1





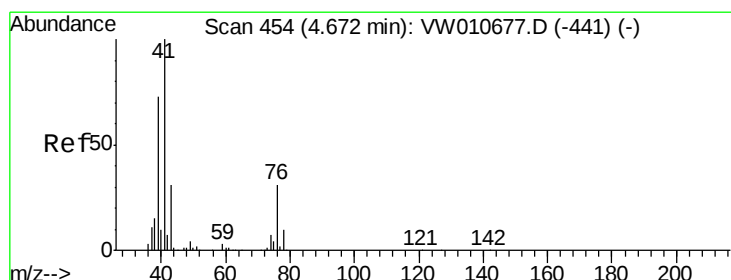
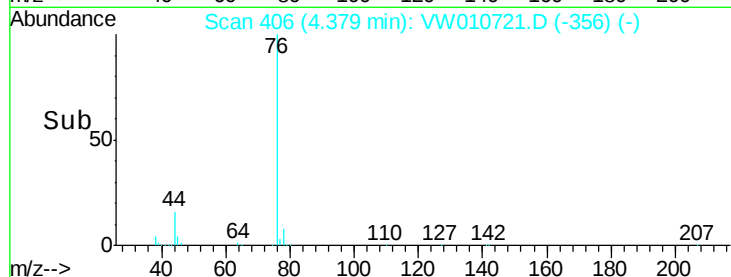
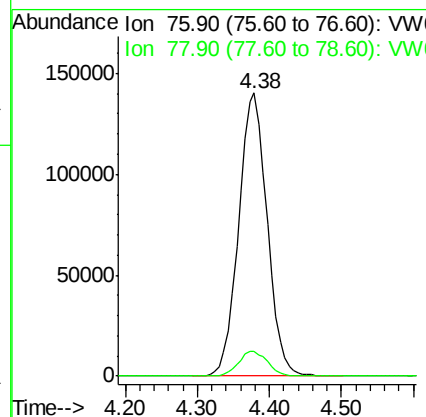
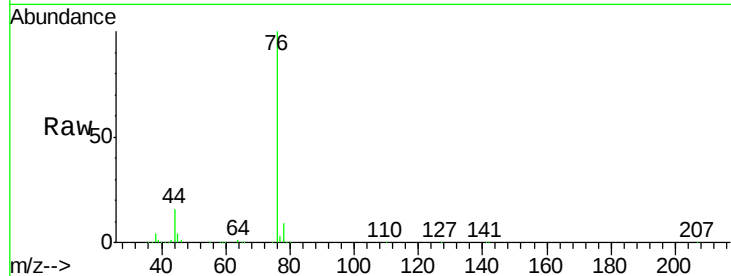
#17
Carbon Disulfide
Concen: 54.081 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

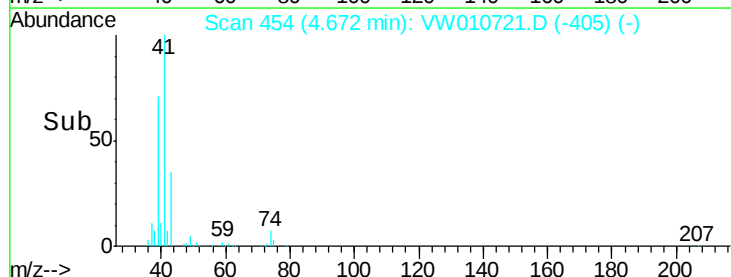
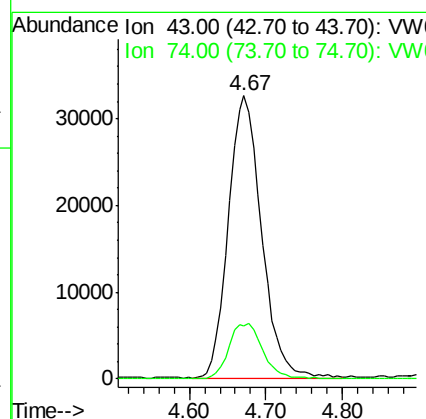
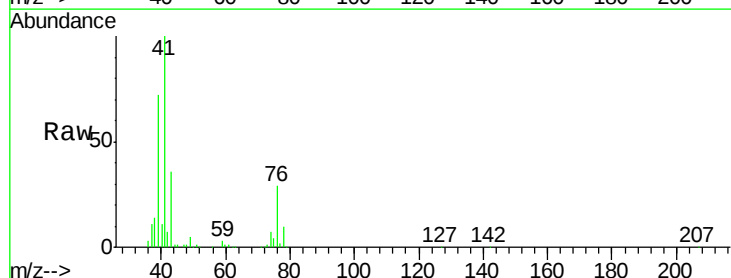
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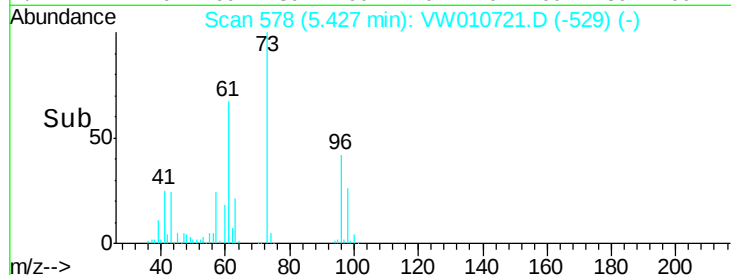
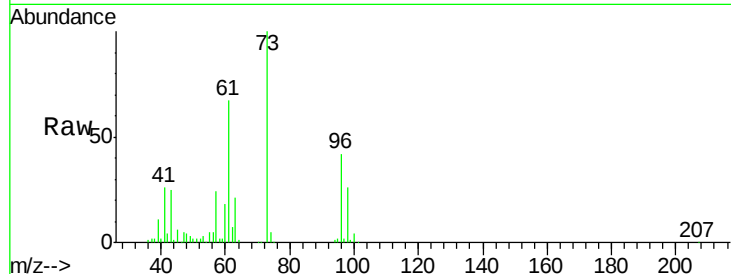
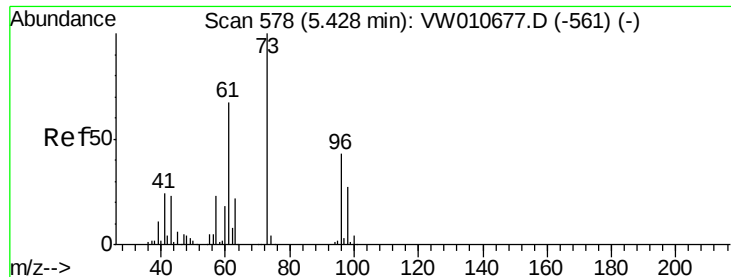
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#18
Methyl Acetate
Concen: 61.803 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.7	25.1





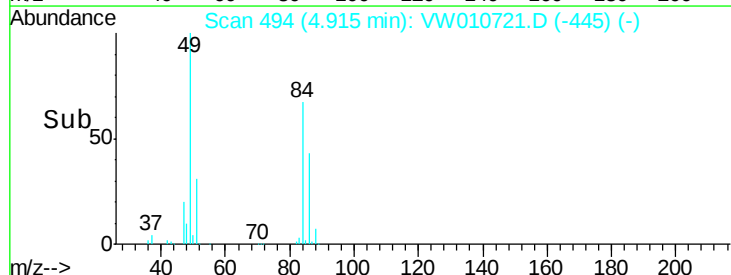
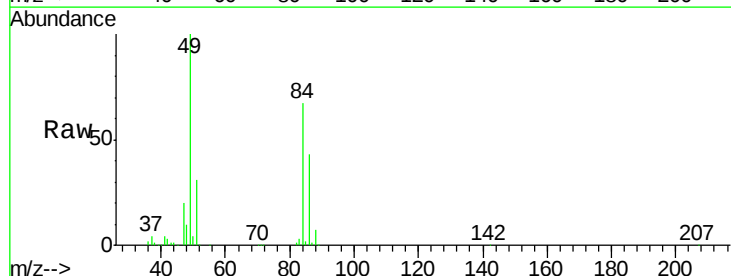
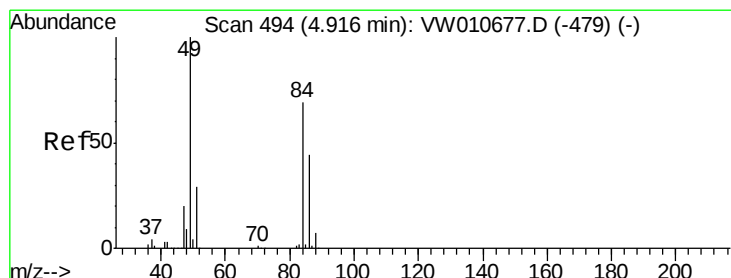
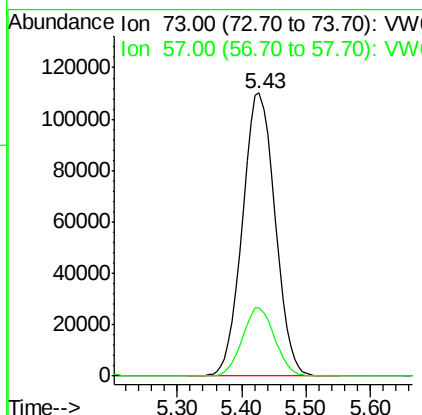
#19
Methyl tert-butyl Ether
Concen: 59.412 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tot Ion: 73 Resp: 384843
Ion Ratio Lower Upper
73 100
57 24.0 18.6 27.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

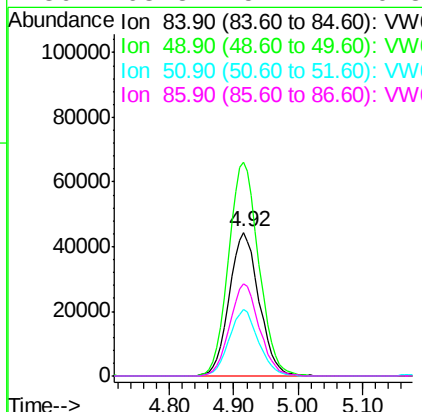
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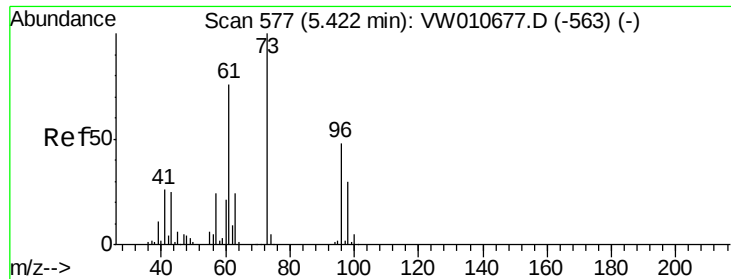
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#20
Methylene Chloride
Concen: 55.855 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 84 Resp: 143719
Ion Ratio Lower Upper
84 100
49 148.9 116.7 175.1
51 46.2 34.2 51.2
86 63.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.738 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

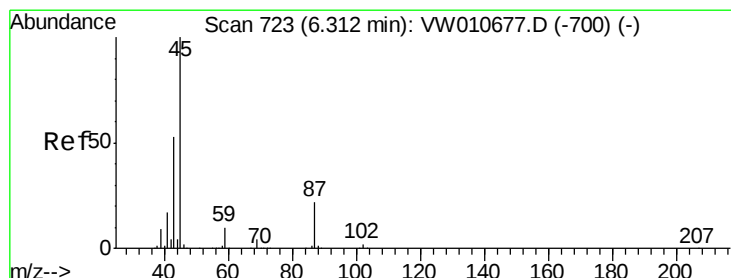
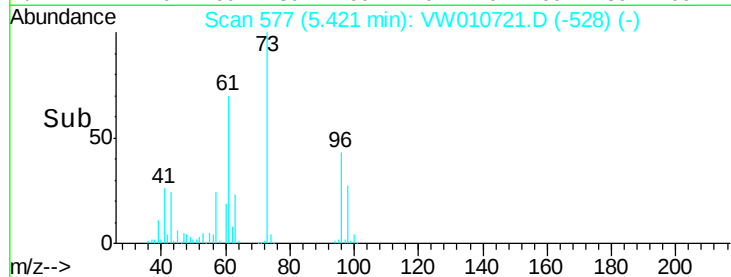
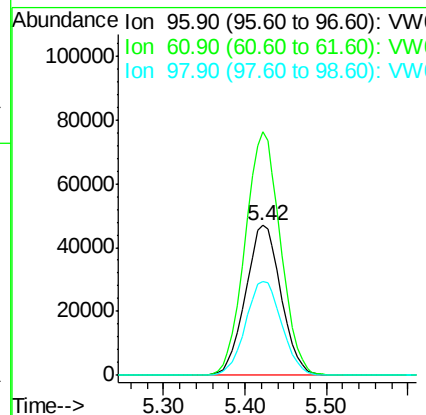
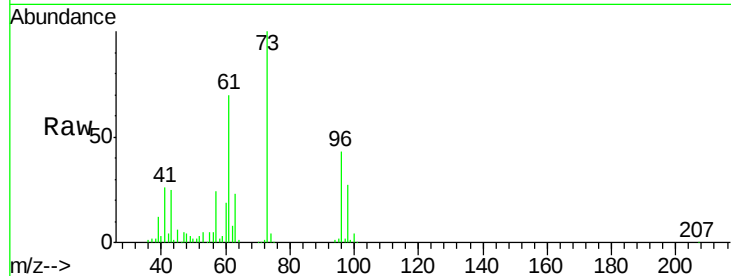
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	142107
Ion	Ratio	Lower	Upper
96	100		
61	162.5	126.0	189.0
98	63.0	49.6	74.4

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#22

Diisopropyl ether

Concen: 59.201 ug/l

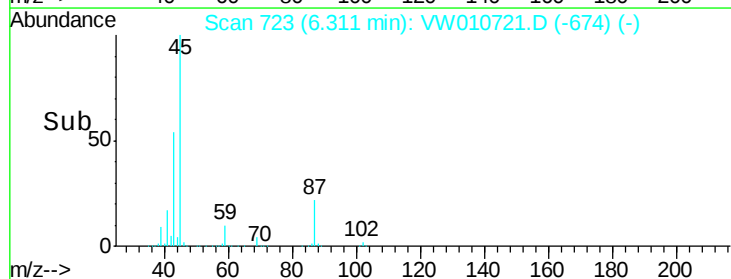
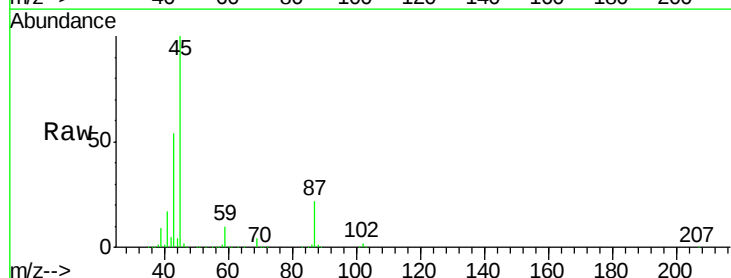
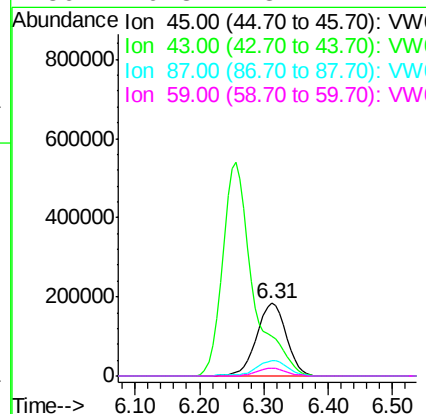
RT: 6.31 min Scan# 723

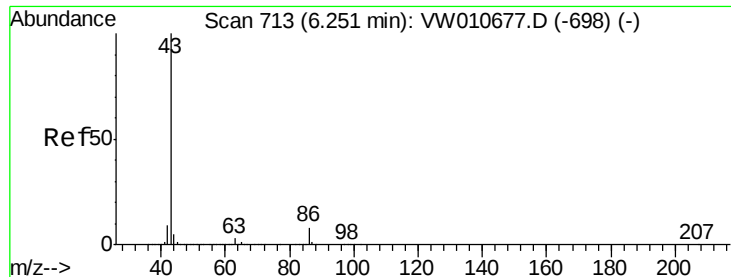
Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	45	Resp:	586932
Ion	Ratio	Lower	Upper
45	100		
43	54.1	42.5	63.7
87	21.7	17.4	26.2
59	10.3	8.1	12.1





#23

Vinyl Acetate

Concen: 297.809 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1781836

Ion Ratio Lower Upper

43 100

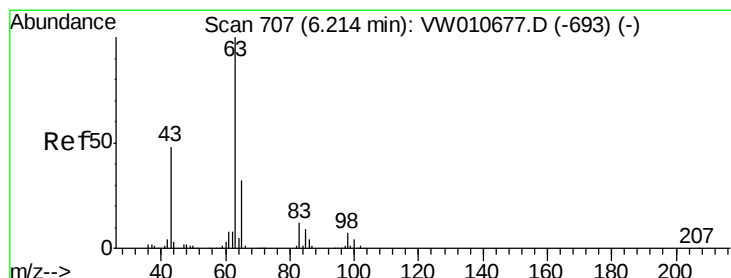
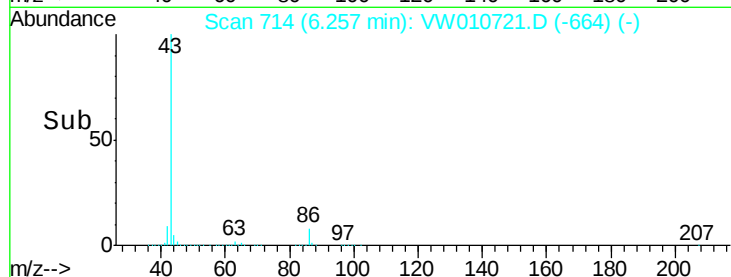
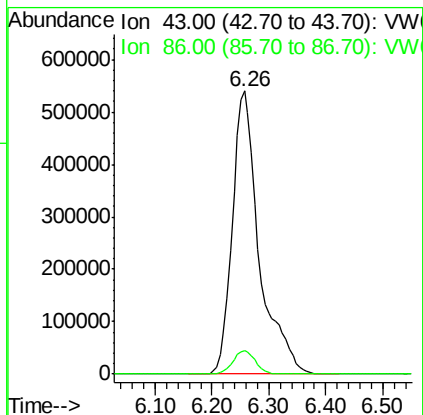
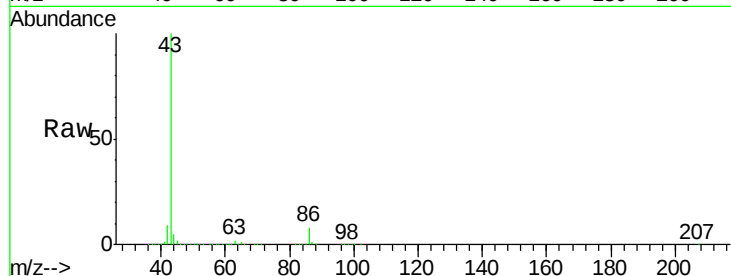
86 8.5 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 57.684 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

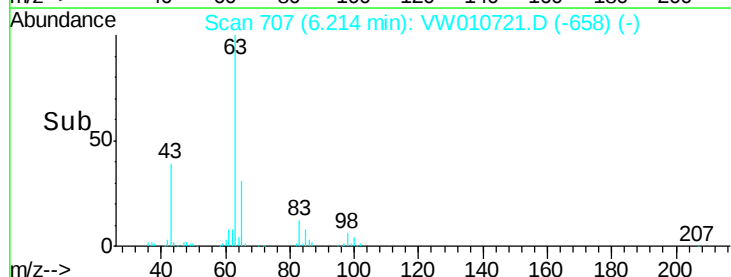
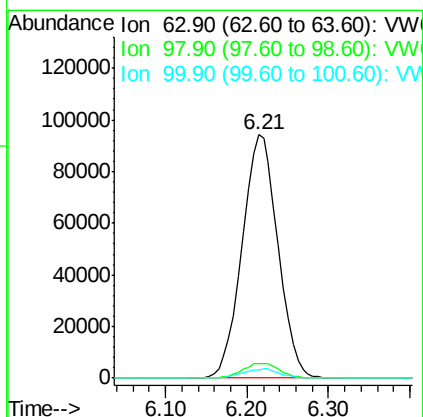
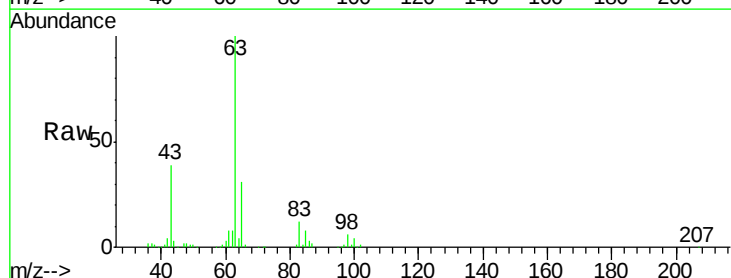
Tgt Ion: 63 Resp: 286596

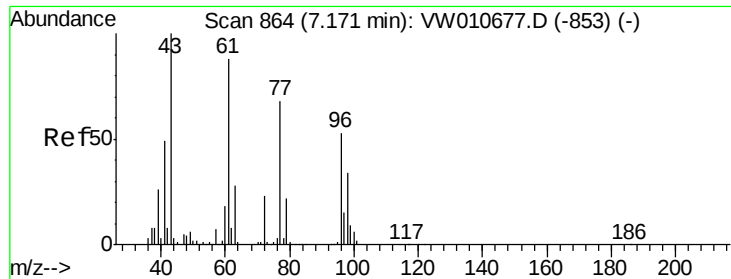
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 304.912 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 310109

Ion Ratio Lower Upper

43 100

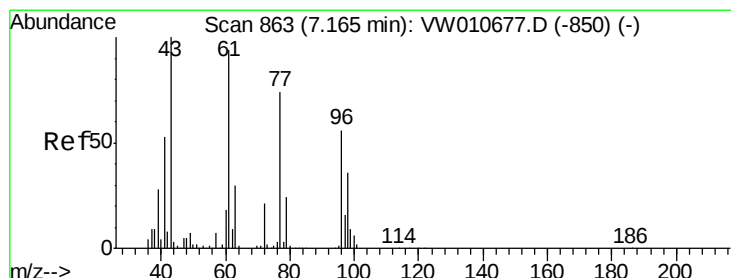
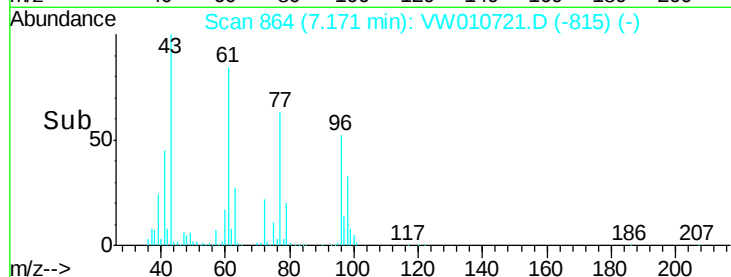
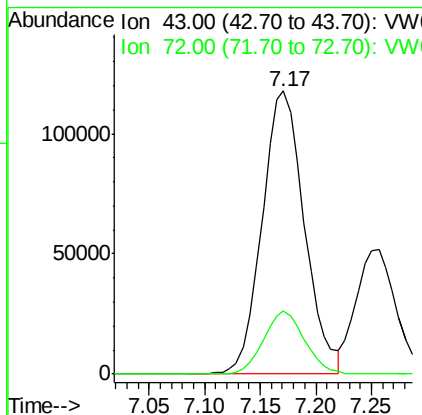
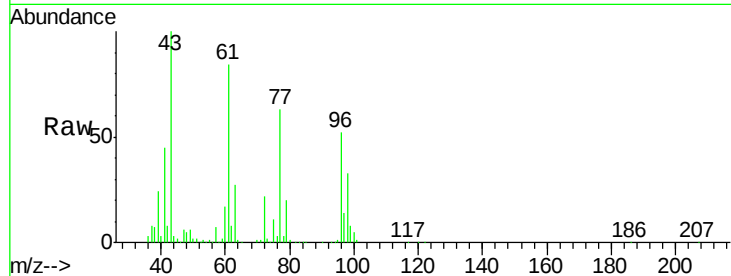
72 22.2 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 54.092 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010721.D

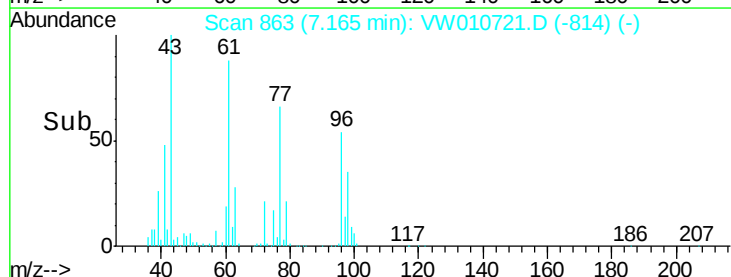
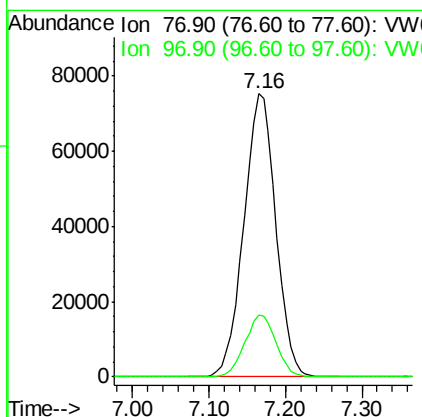
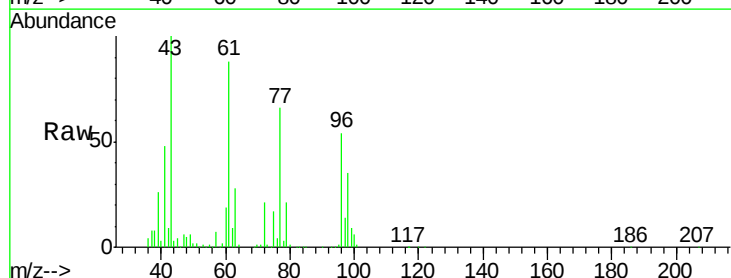
Acq: 06 Jun 2019 20:51

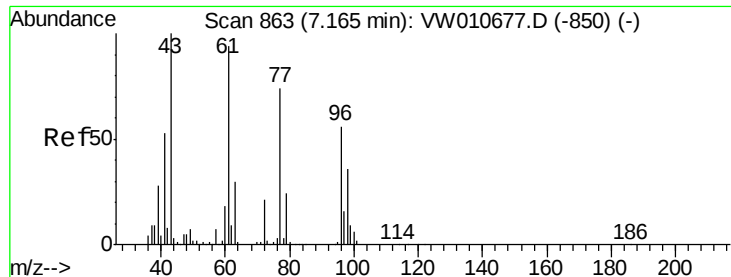
Tgt Ion: 77 Resp: 218690

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

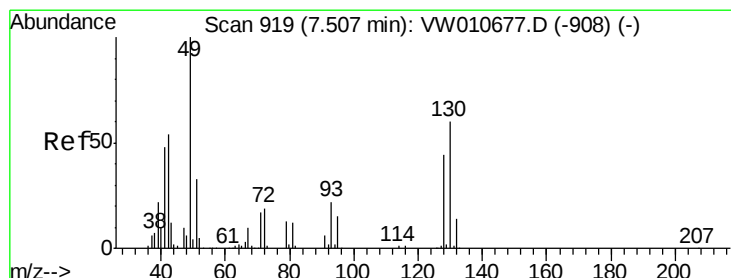
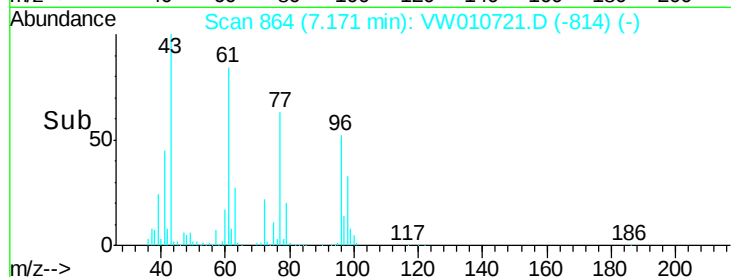
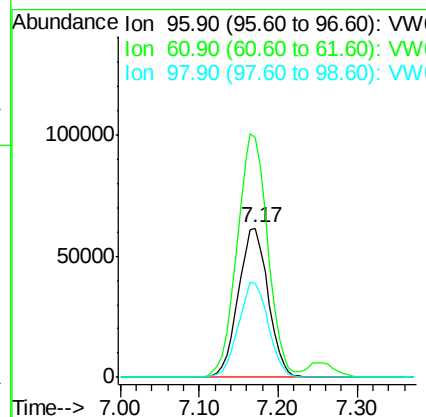
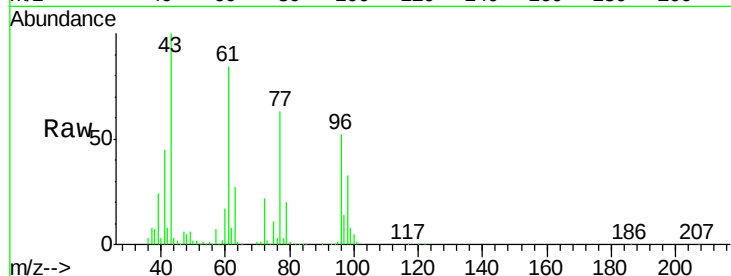
cis-1,2-Dichloroethene
Concen: 57.957 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162617		
61	167.1	0.0	336.4	
98	63.7	0.0	128.0	

Manual Integrations
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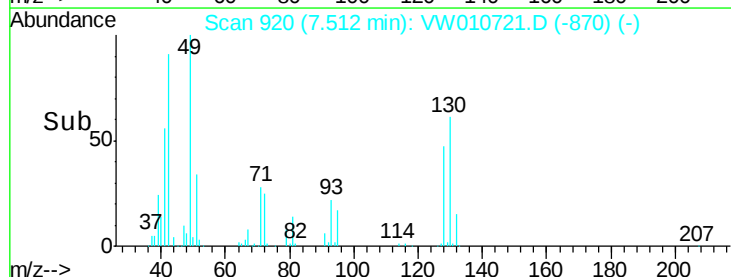
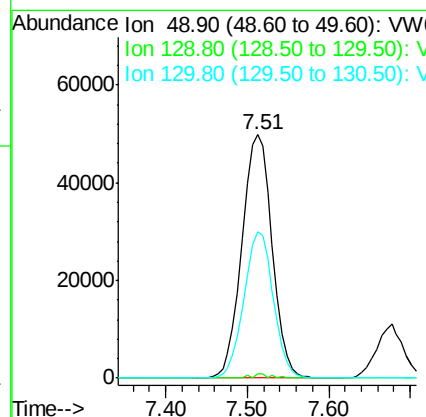
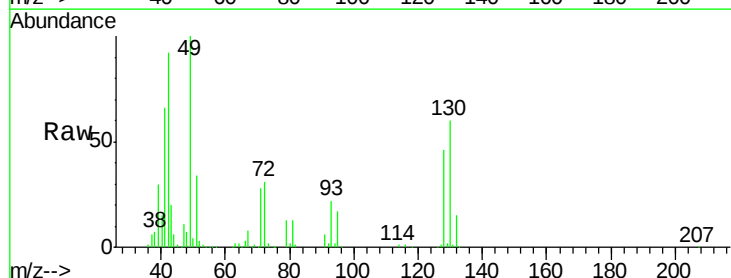
MMDadoda
6/7/2019 11:24:59 AM

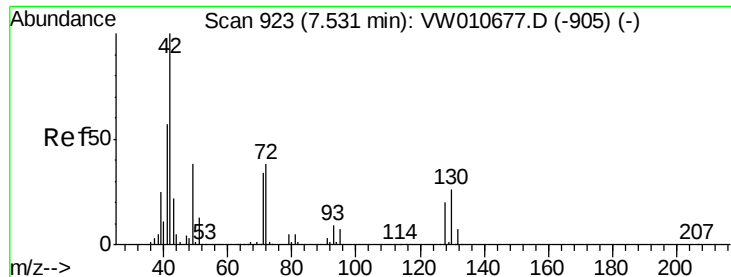


#28

Bromochloromethane
Concen: 57.620 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	127759		
129	1.0	0.0	3.2	
130	58.5	48.3	72.5	





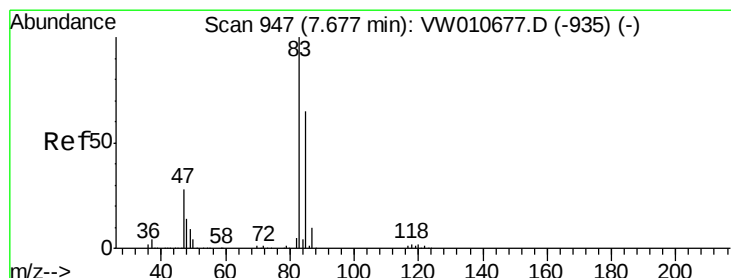
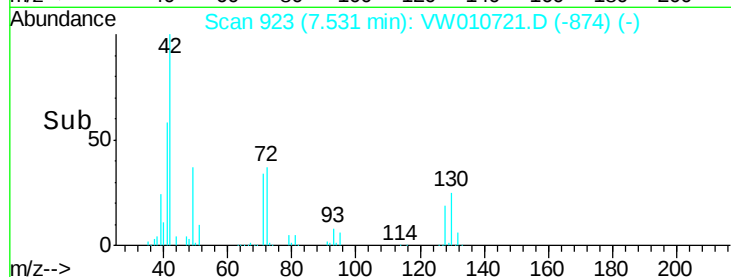
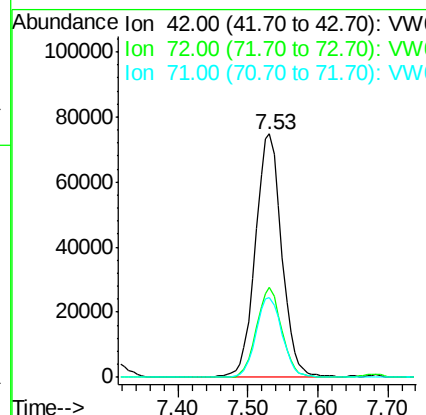
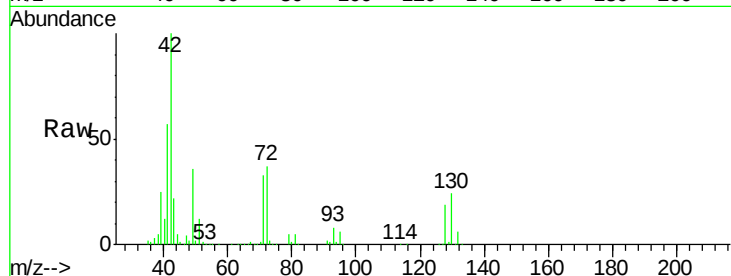
#29
Tetrahydrofuran
Concen: 305.968 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.7	43.1
71	32.8	26.6	39.8

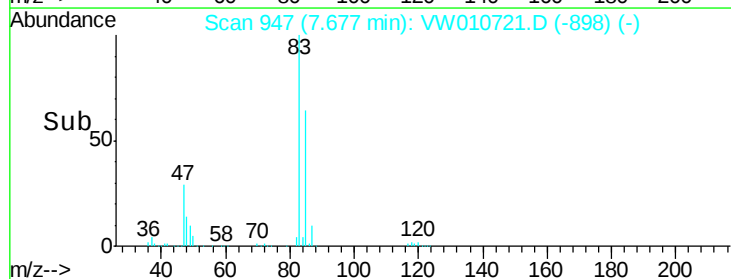
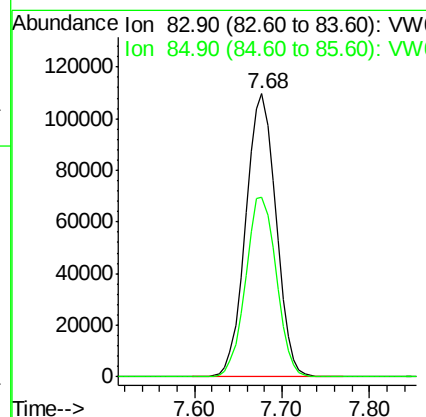
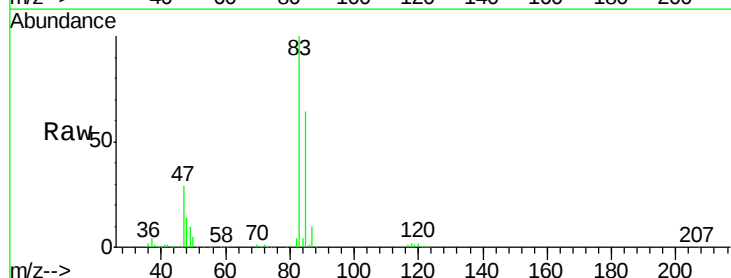
Manual Integrations
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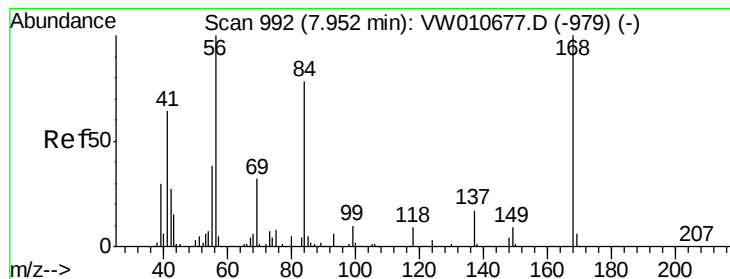
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#30
Chloroform
Concen: 58.054 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.8





#31

Cyclohexane

Concen: 50.535 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

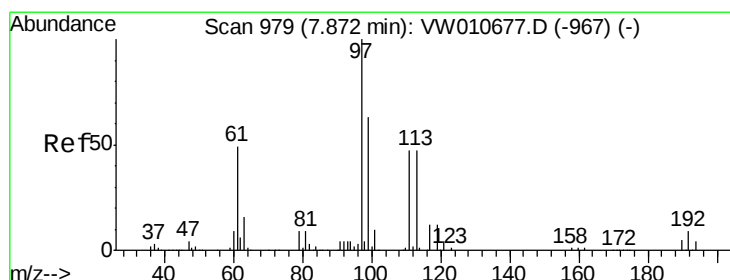
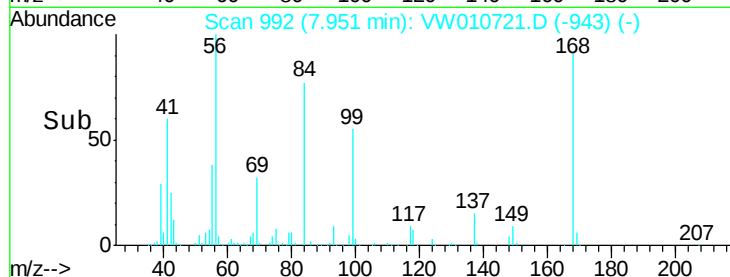
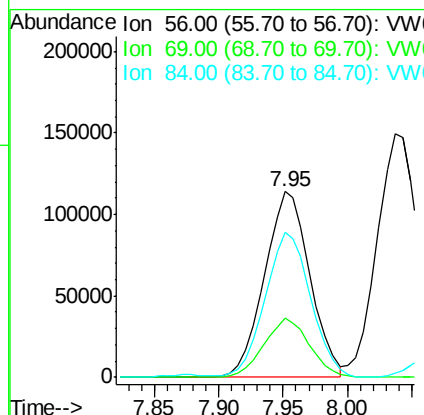
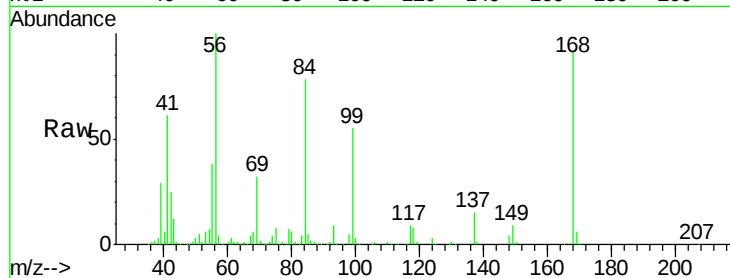
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	279107
Ion Ratio	Lower	Upper	
56	100		
69	31.8	25.2	37.8
84	76.8	62.2	93.2

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#32

1,1,1-Trichloroethane

Concen: 56.740 ug/l

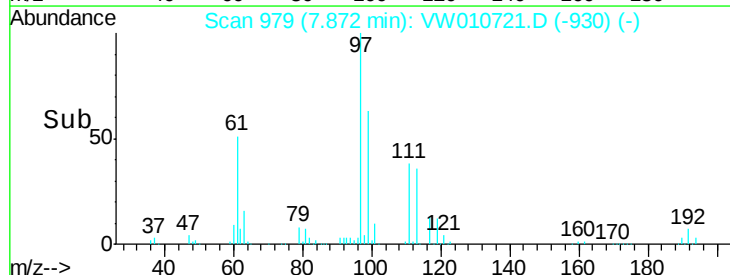
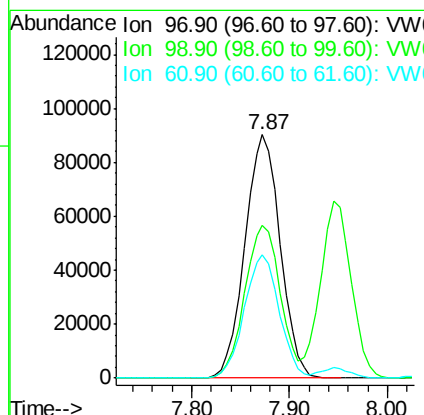
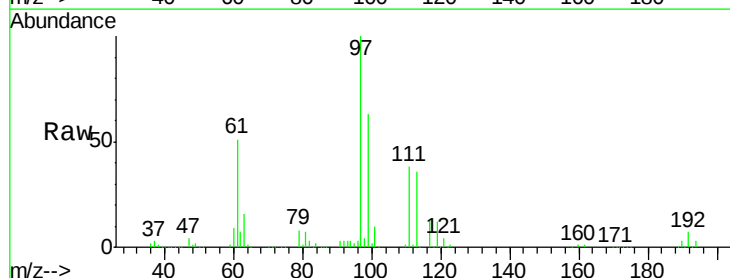
RT: 7.87 min Scan# 979

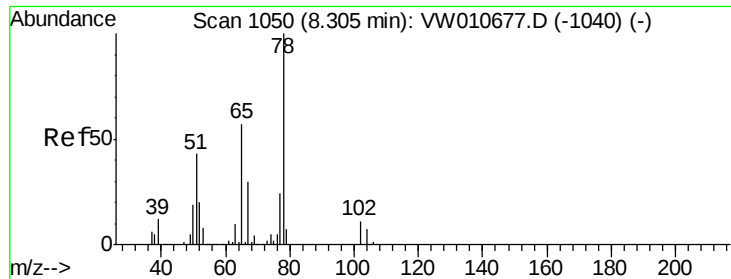
Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	97	Resp:	225241
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.3	76.9
61	50.3	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 51.057 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 139760

Ion Ratio Lower Upper

65 100

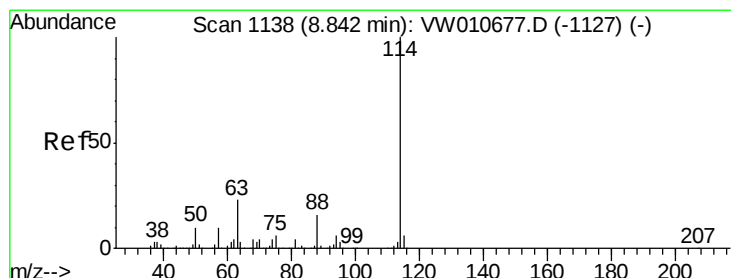
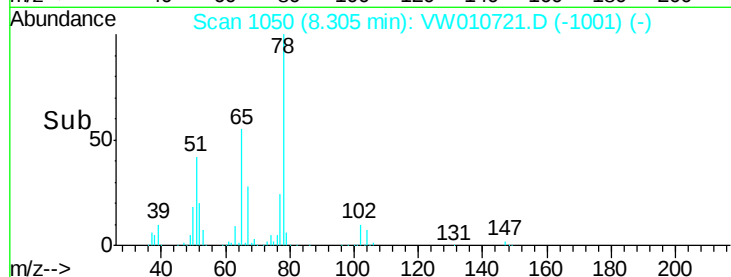
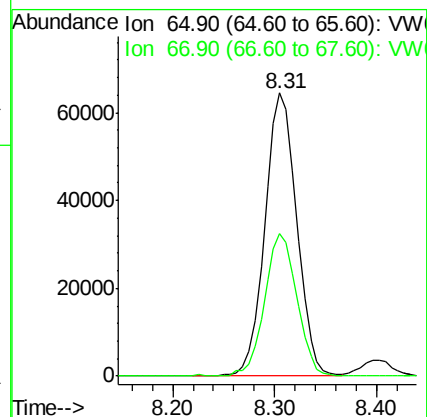
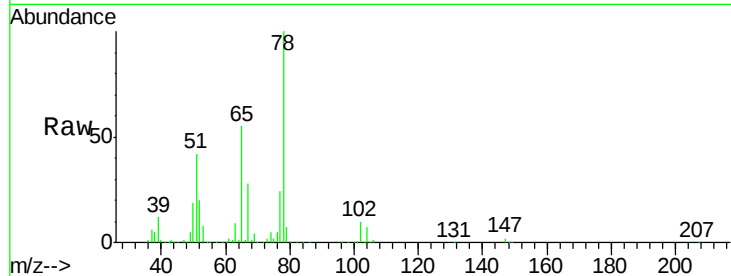
67 51.1 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

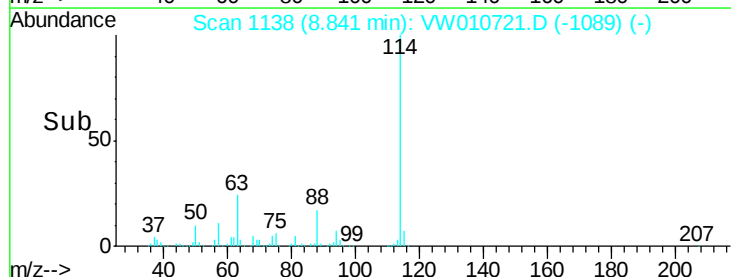
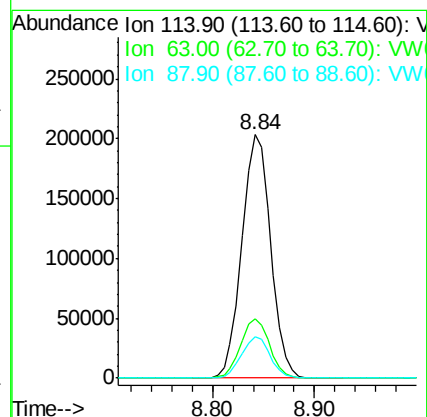
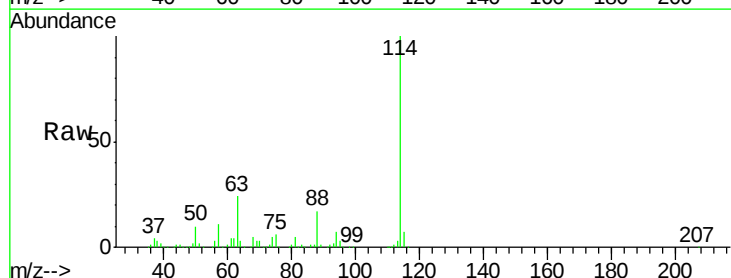
Tgt Ion: 114 Resp: 397131

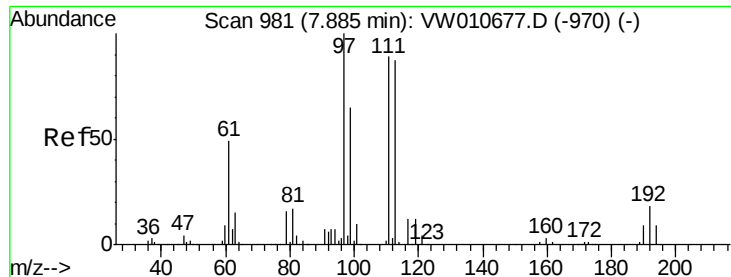
Ion Ratio Lower Upper

114 100

63 24.5 0.0 46.4

88 17.0 0.0 32.2





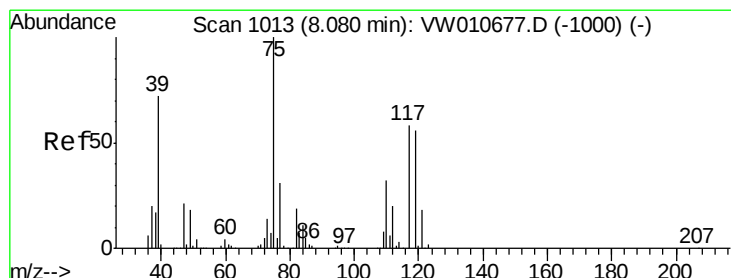
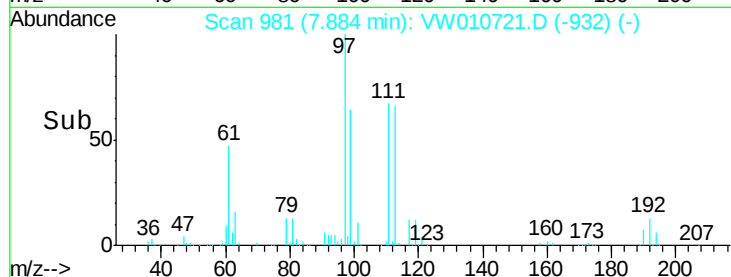
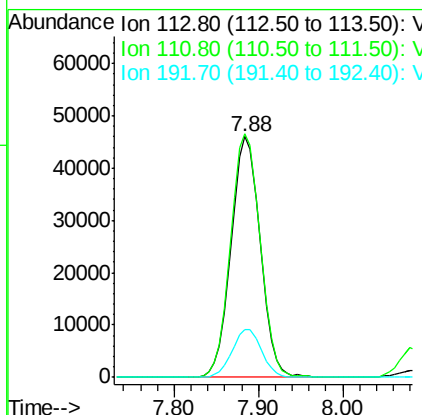
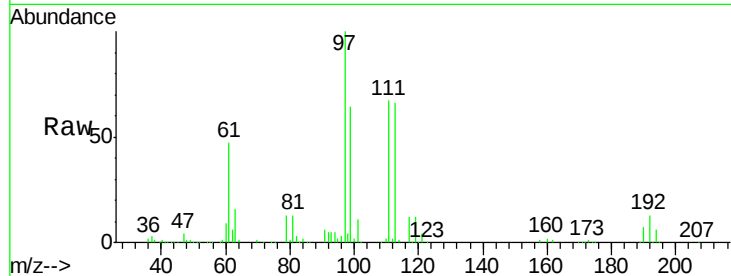
#35
 Dibromofluoromethane
 Concen: 49.965 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107701		
111	102.7	82.6	123.8	
192	20.1	16.4	24.6	

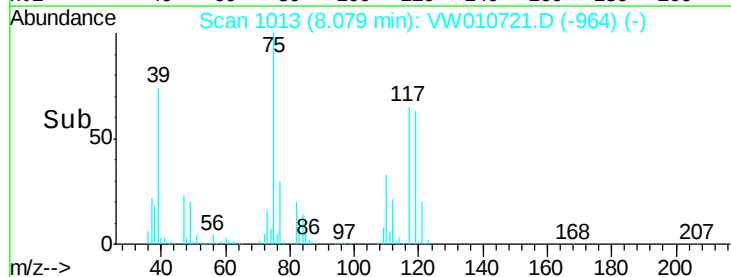
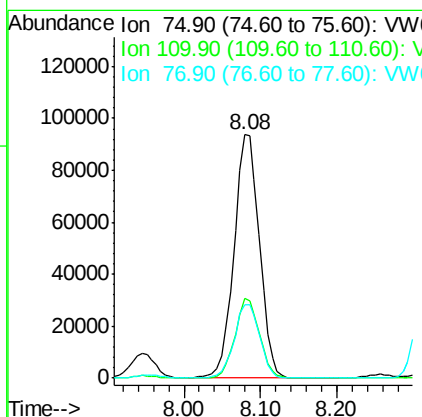
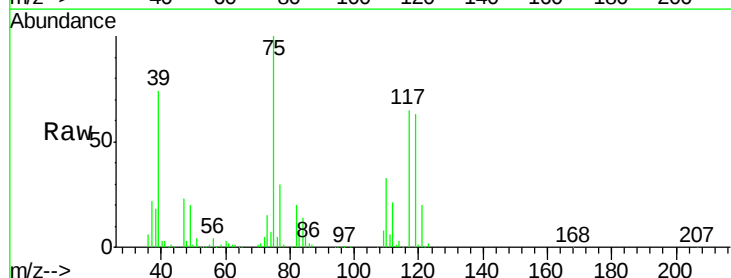
Manual Integrations
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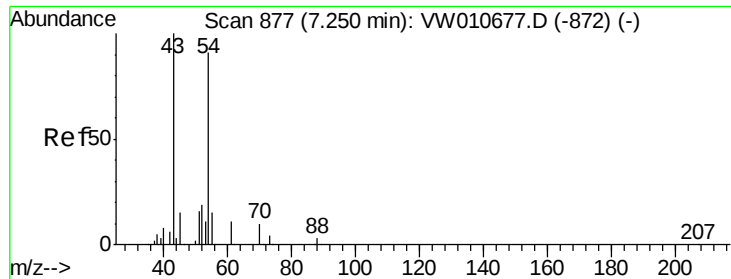
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#36
 1,1-Dichloropropene
 Concen: 52.748 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	214425		
110	31.5	15.8	47.3	
77	30.6	24.7	37.1	





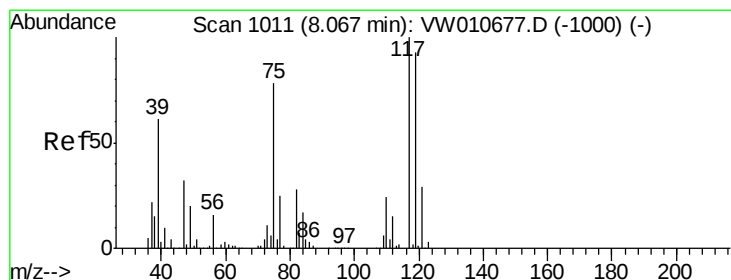
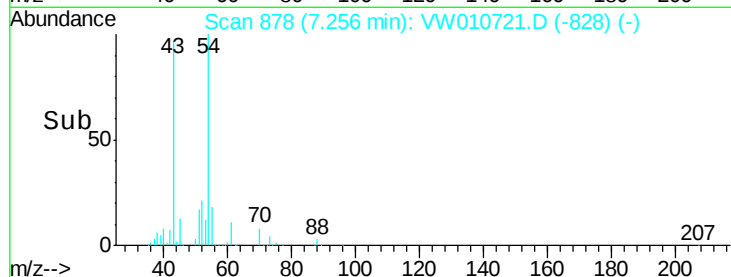
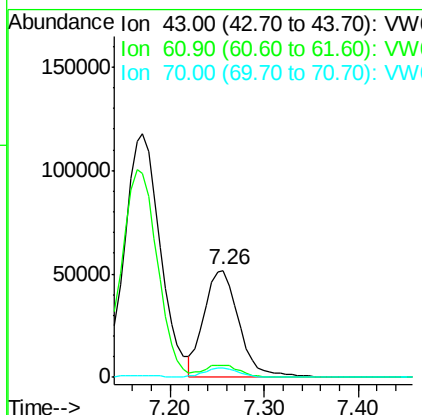
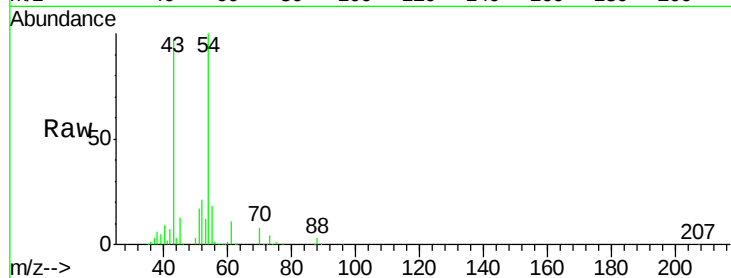
#37
Ethyl Acetate
Concen: 58.267 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.7	14.5
70	8.8	7.2	10.8

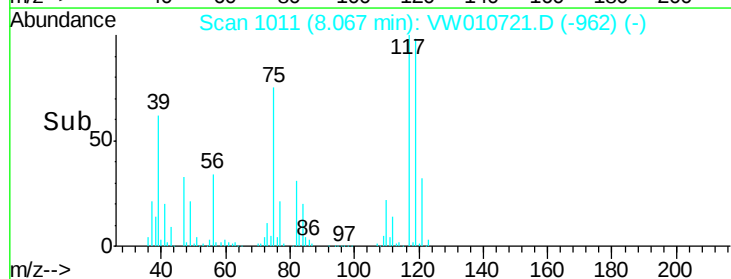
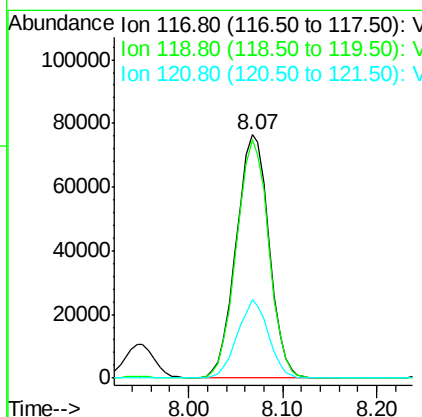
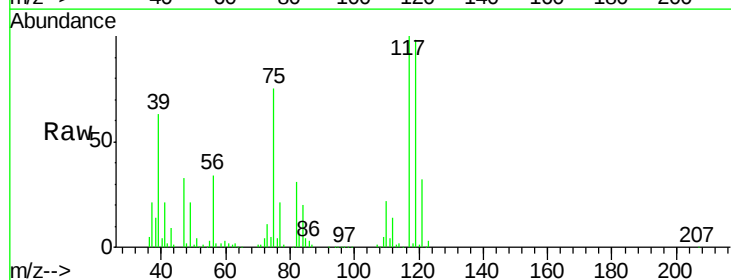
Manual Integrations
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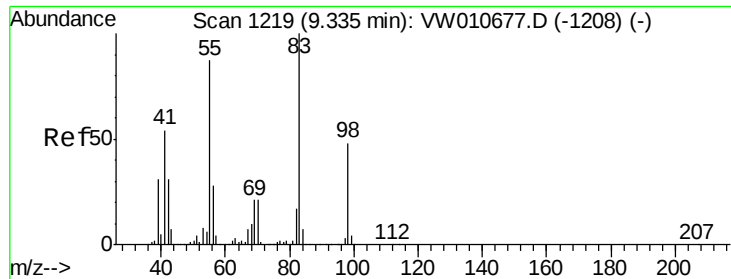
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#38
Carbon Tetrachloride
Concen: 53.163 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.2	111.4
121	32.2	22.9	34.3





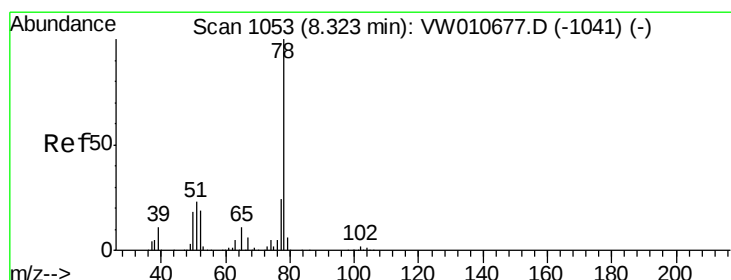
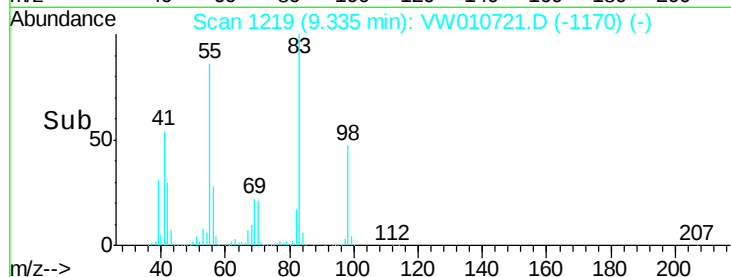
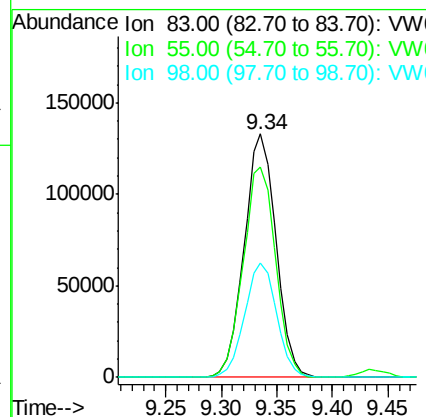
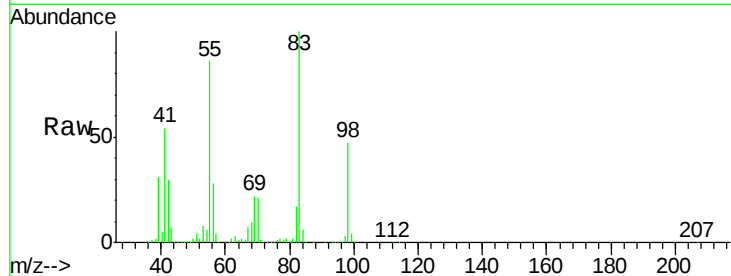
#39
Methvlcvclohexane
Concen: 51.156 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	70.0	105.0
98	46.8	38.1	57.1

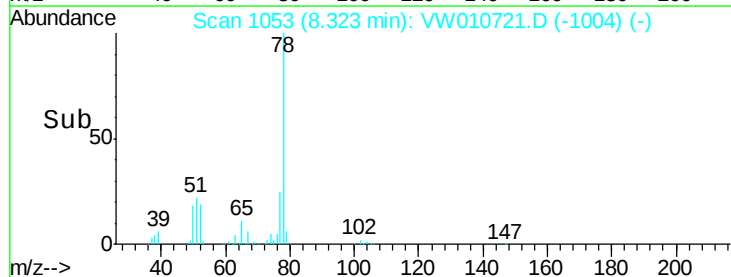
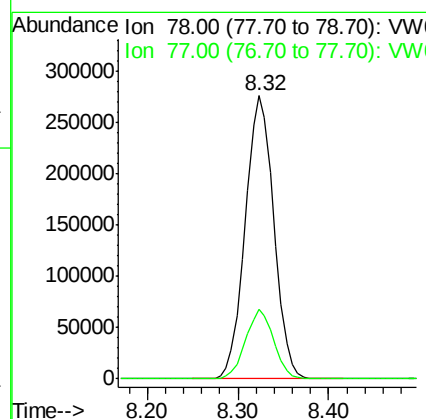
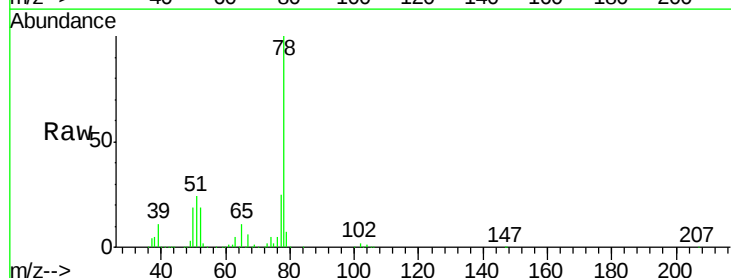
Manual Integrations
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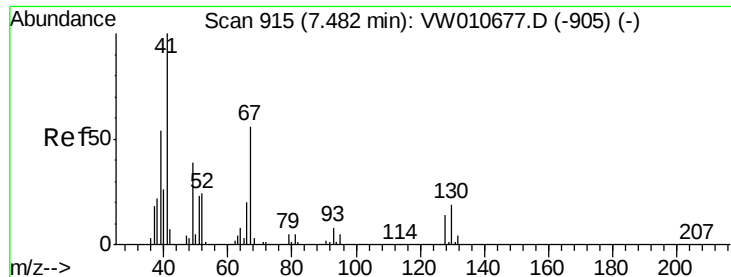
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#40
Benzene
Concen: 54.351 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





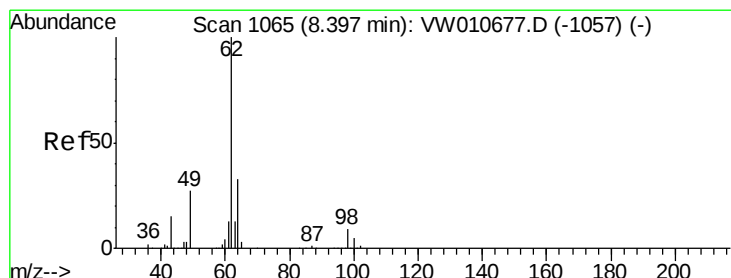
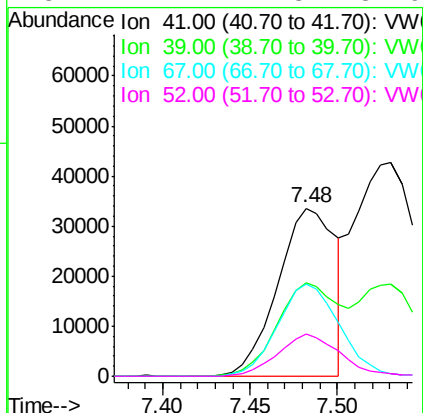
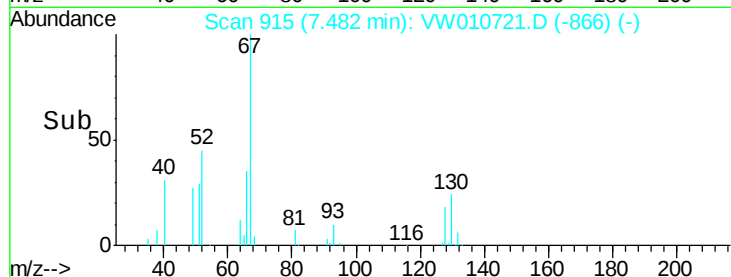
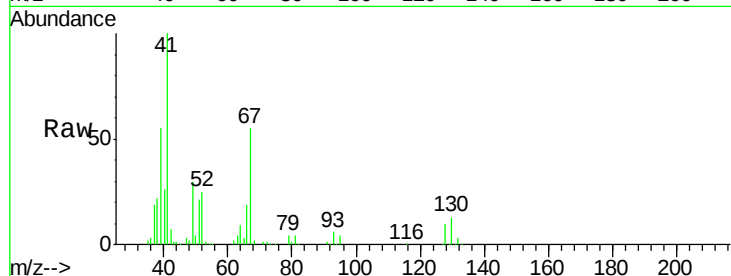
#41
Methacrylonitrile
Concen: 57.454 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.3	47.3	70.9	
67	59.6	47.2	70.8	
52	27.4	21.3	31.9	

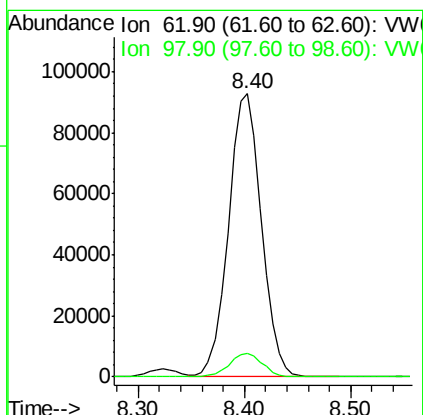
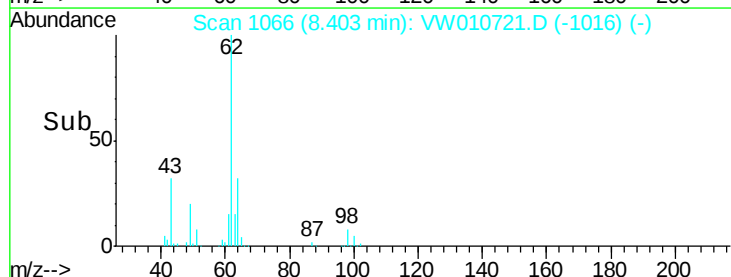
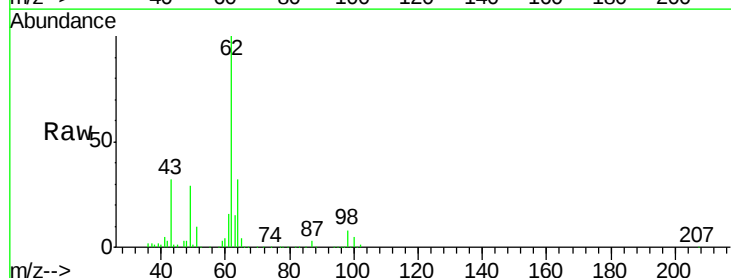
Manual Integrations
APPROVED

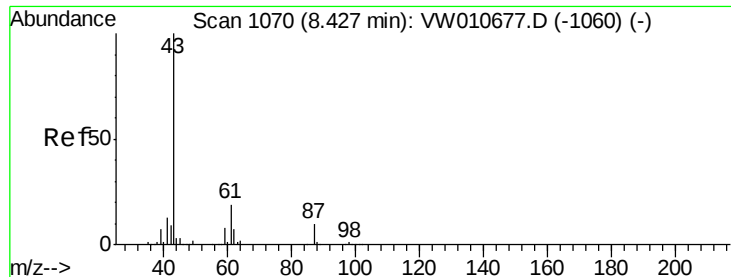
MMDadoda
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#42
1,2-Dichloroethane
Concen: 56.948 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.2	





#43

Isopropyl Acetate

Concen: 58.767 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

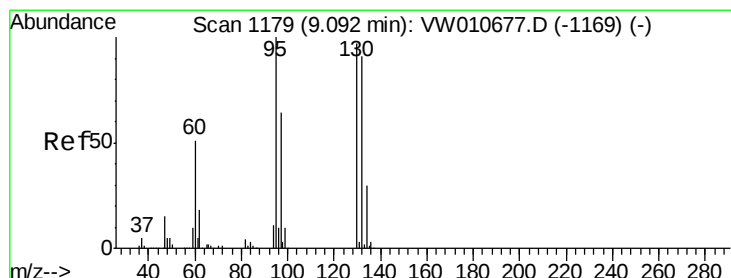
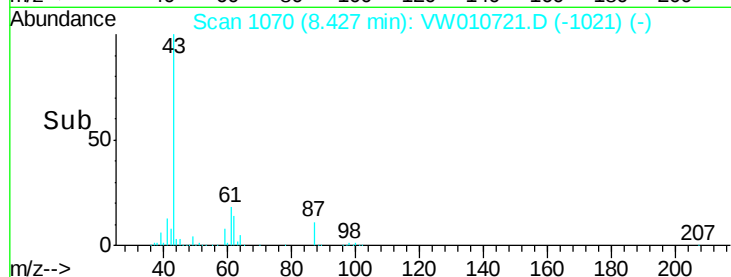
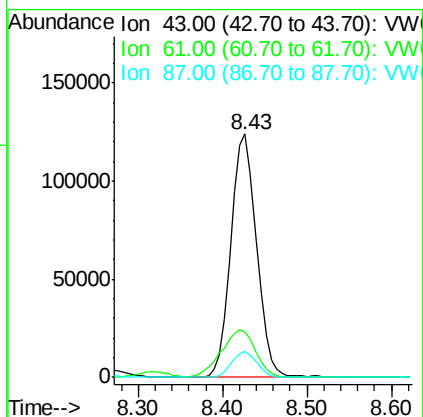
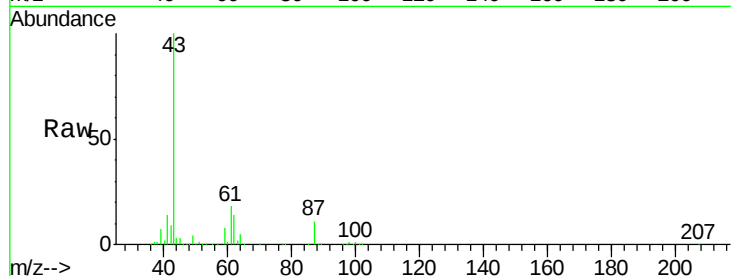
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	255750
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.2	31.8
87	10.3	8.3	12.5

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#44

Trichloroethene

Concen: 53.598 ug/l

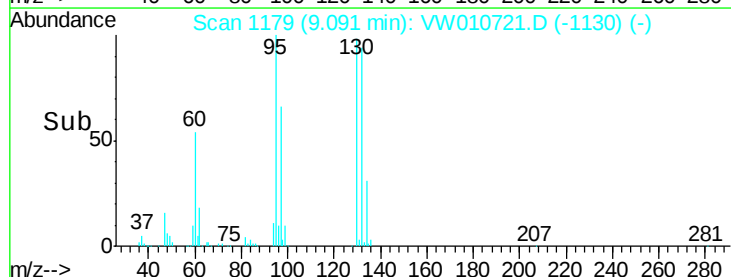
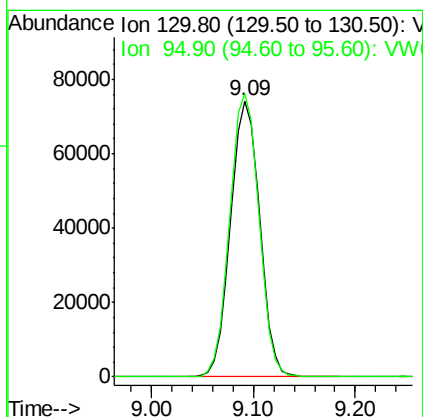
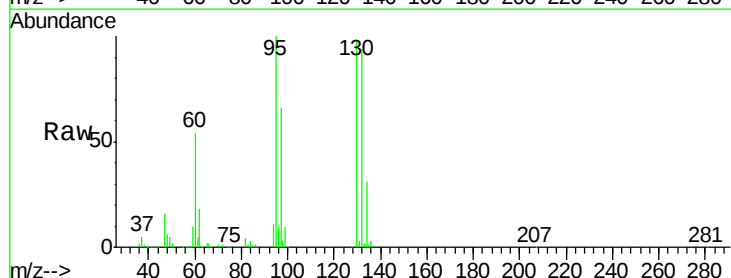
RT: 9.09 min Scan# 1179

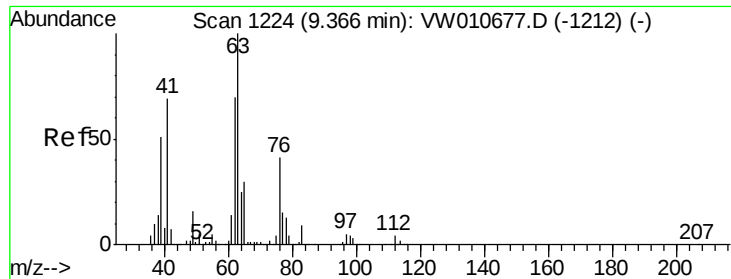
Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	130	Resp:	146623
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	207.0





#45

1,2-Dichloropropane

Concen: 56.120 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 164748

Ion Ratio Lower Upper

63 100

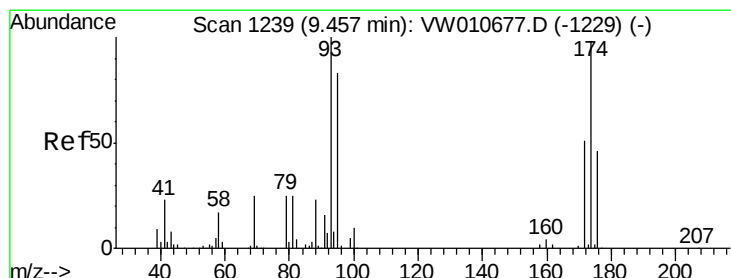
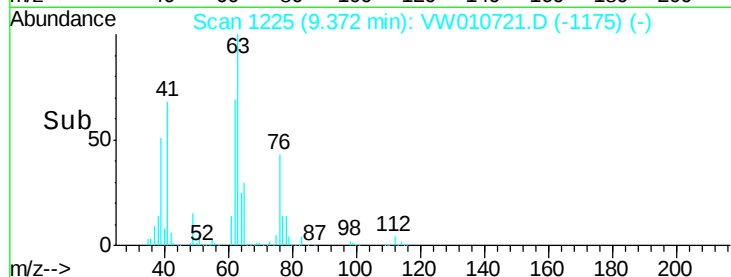
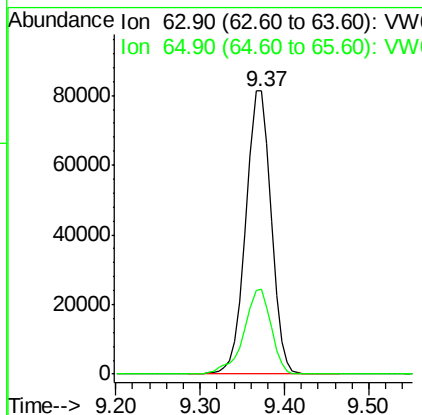
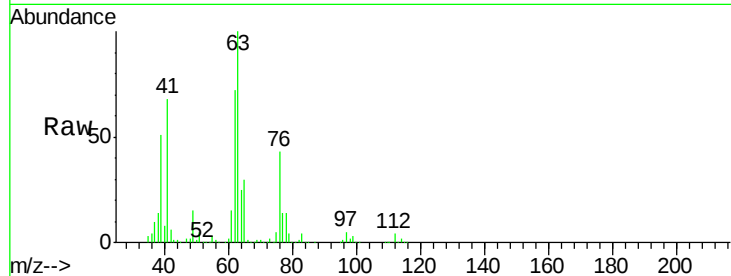
65 30.2 23.8 35.6

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#46

Dibromomethane

Concen: 56.666 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

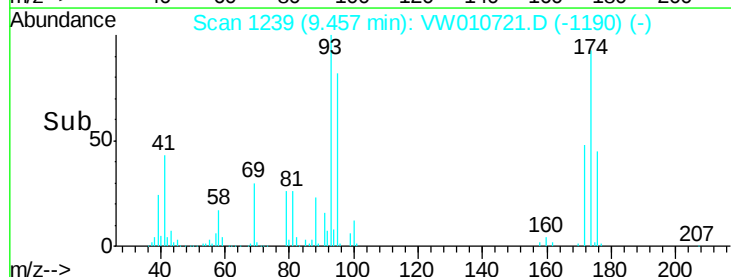
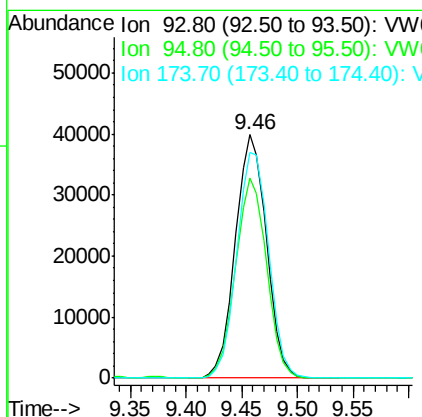
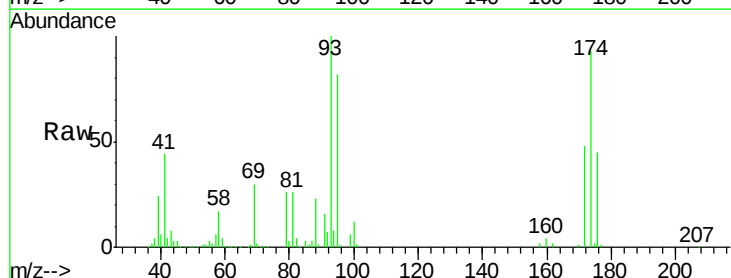
Tgt Ion: 93 Resp: 77265

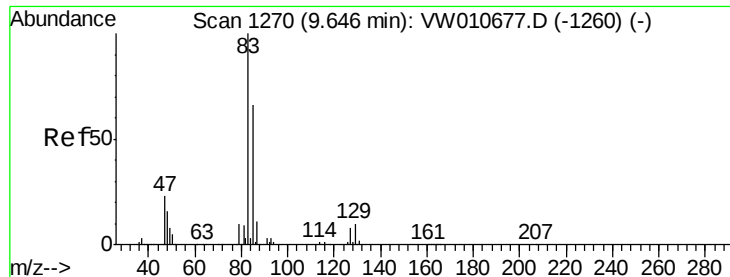
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.8

174 95.1 77.4 116.0





#47

Bromodichloromethane

Concen: 57.399 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

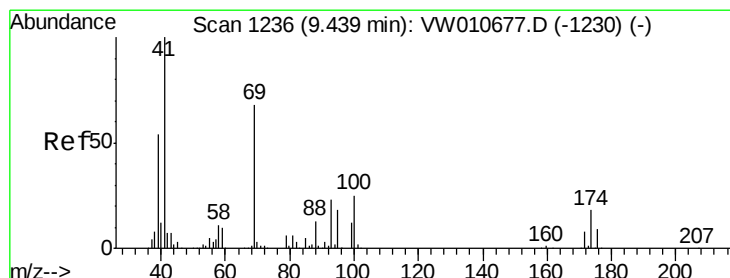
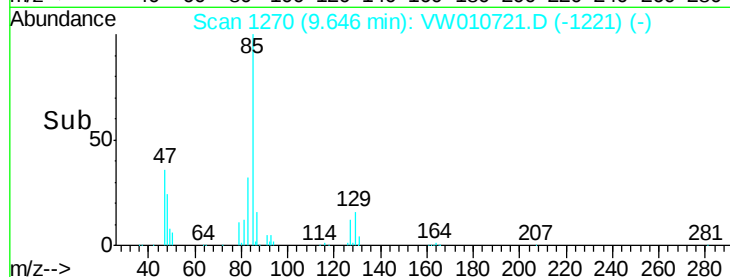
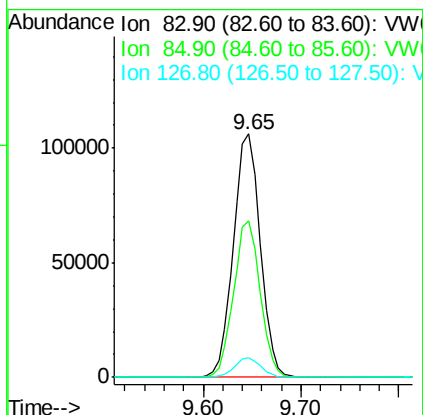
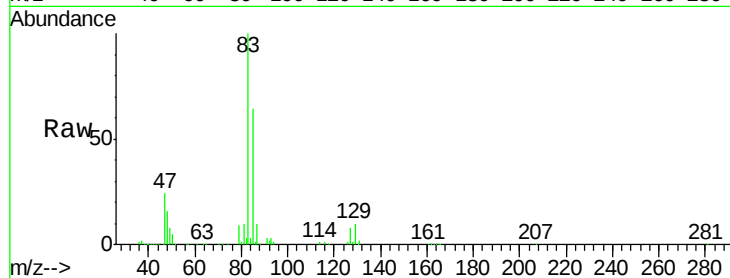
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	202876
Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.0	79.4
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.473 ug/l

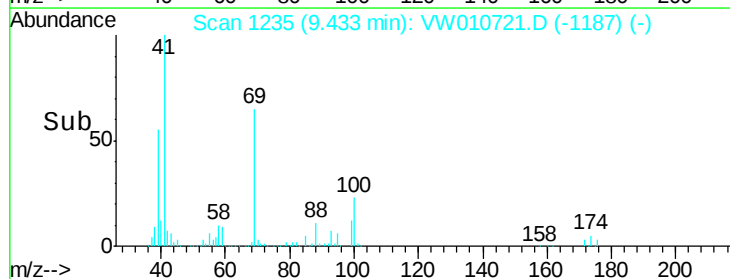
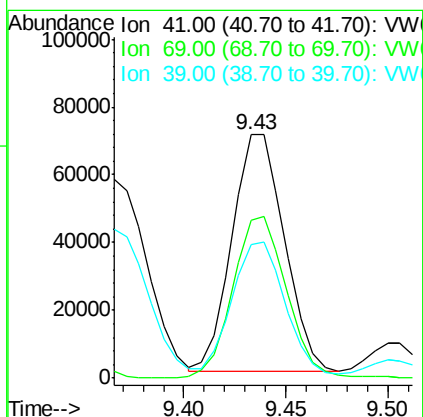
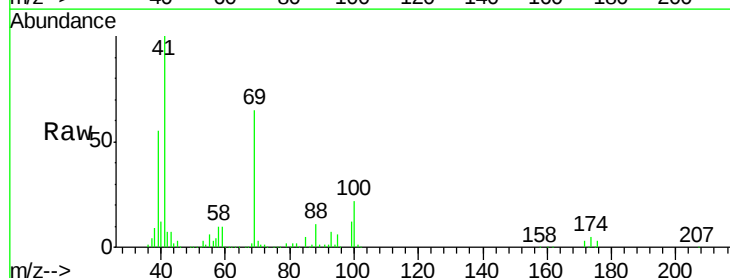
RT: 9.43 min Scan# 1235

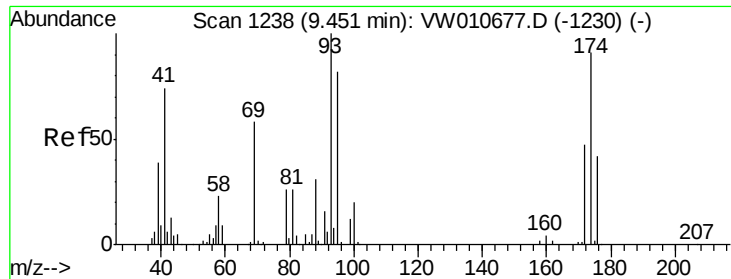
Delta R.T. -0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	41	Resp:	124790
Ion	Ratio	Lower	Upper
41	100		
69	70.6	56.6	85.0
39	59.9	44.4	66.6





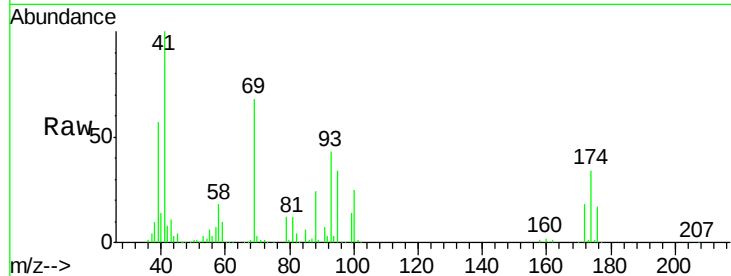
#49
1,4-Dioxane
Concen: 1212.968 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	25858		
43	42.4		34.2	51.4
58	80.9		69.0	103.4

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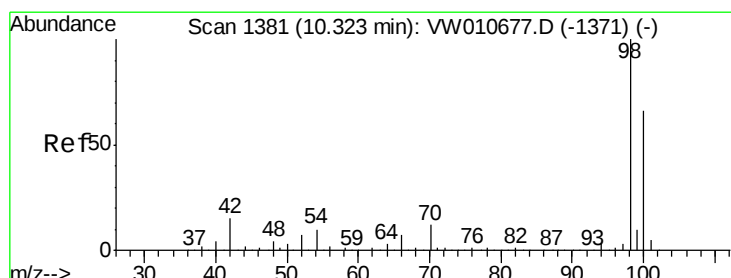
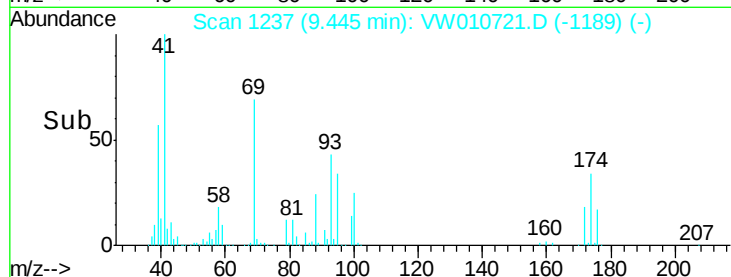
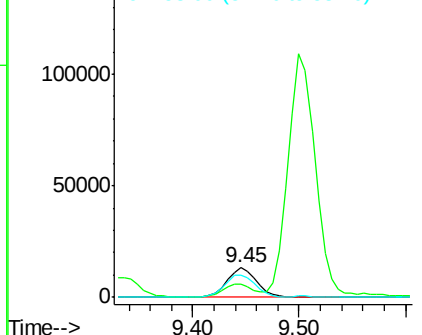


Abundance

Ion 88.00 (87.70 to 88.70): VW

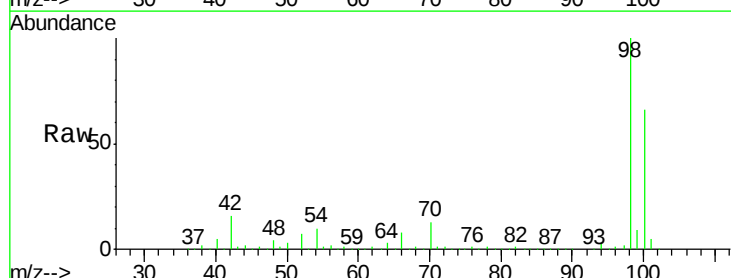
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 46.180 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

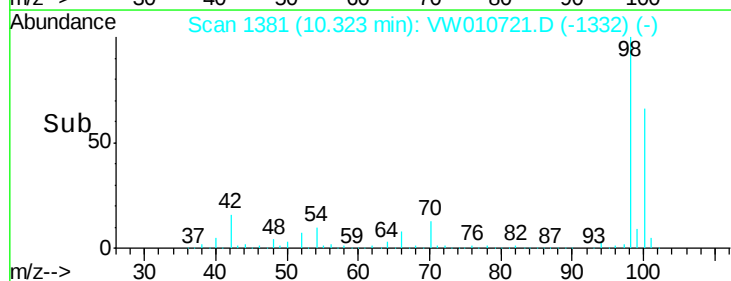
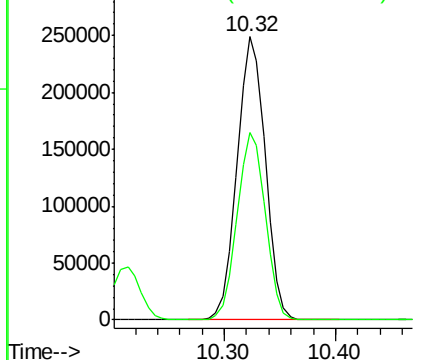
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	436511		
100	66.1		53.0	79.6

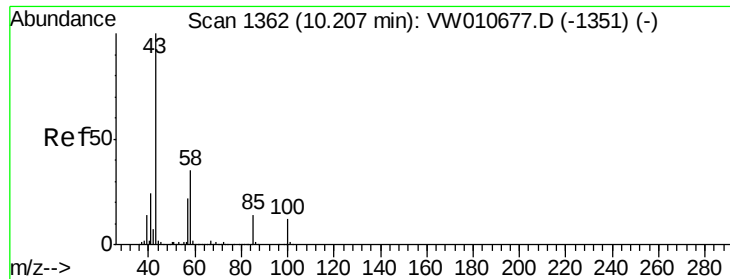


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 298.622 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 663922

Ion Ratio Lower Upper

43 100

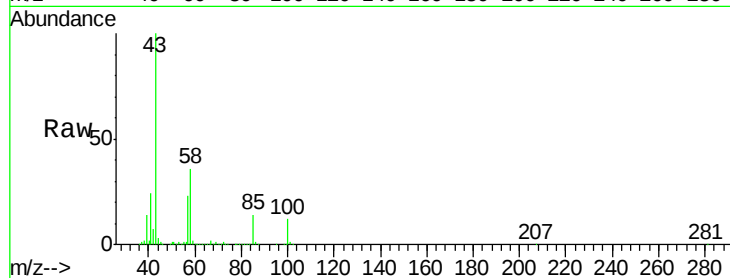
58 35.7 28.4 42.6

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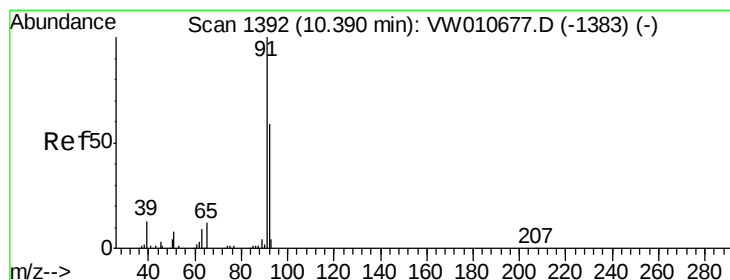
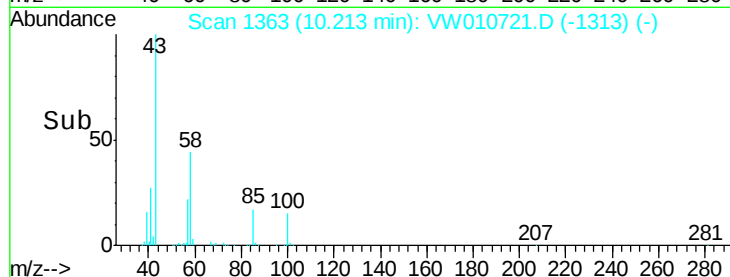
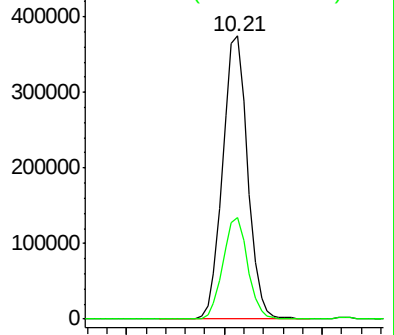
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 54.607 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010721.D

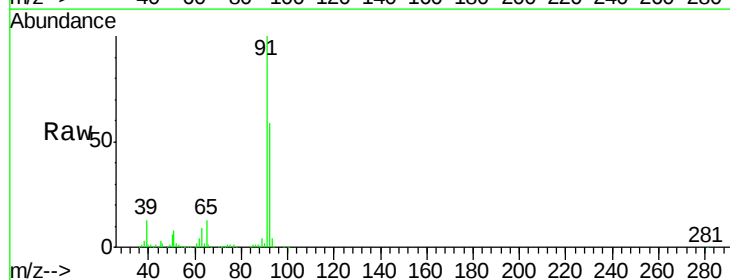
Acq: 06 Jun 2019 20:51

Tgt Ion: 92 Resp: 372599

Ion Ratio Lower Upper

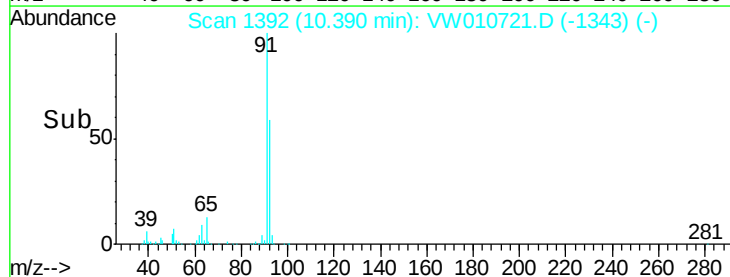
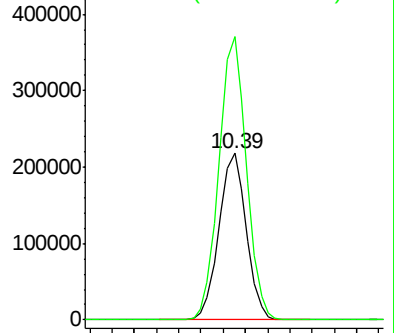
92 100

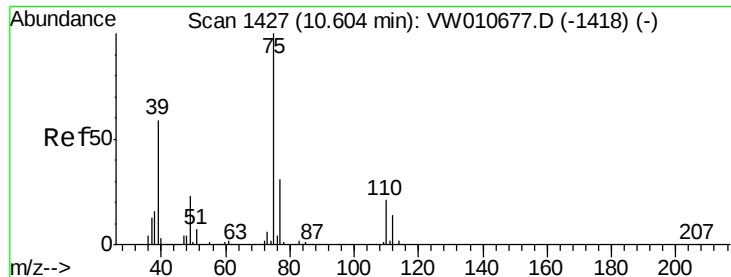
91 171.0 134.9 202.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





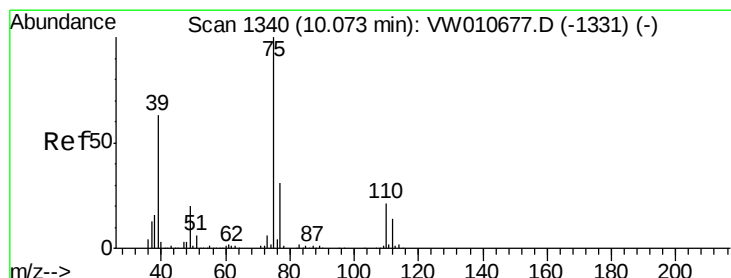
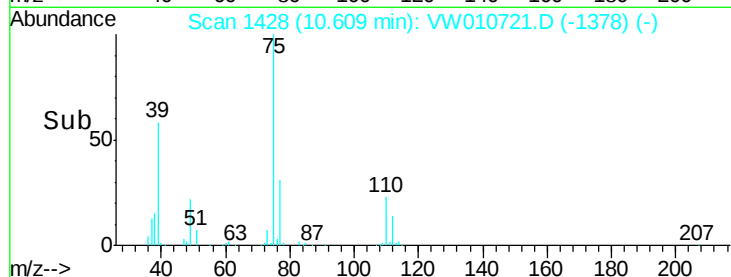
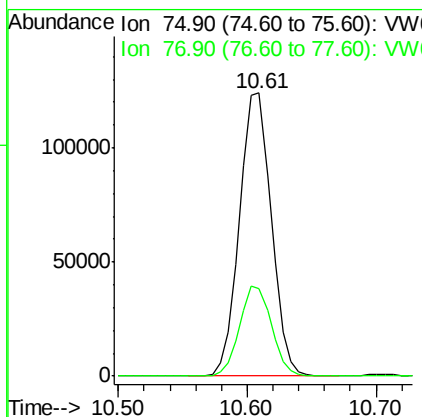
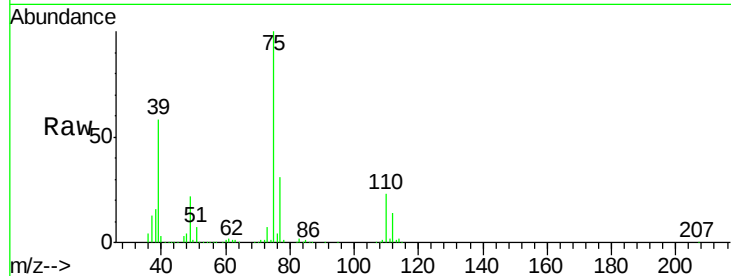
#53
 t-1,3-Dichloropropene
 Concen: 56.754 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 75 Resp: 212469
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8

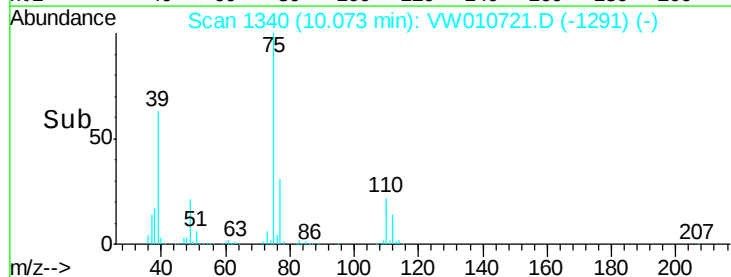
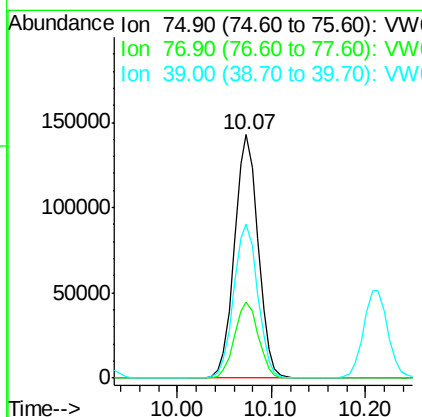
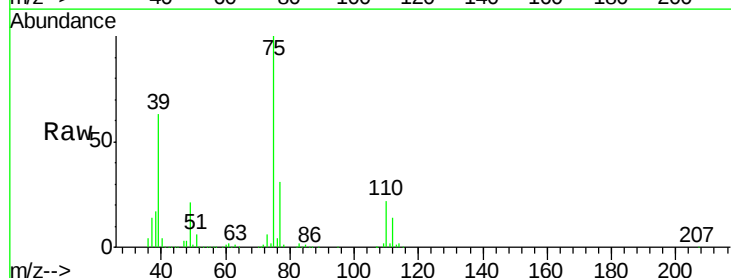
Manual Integrations
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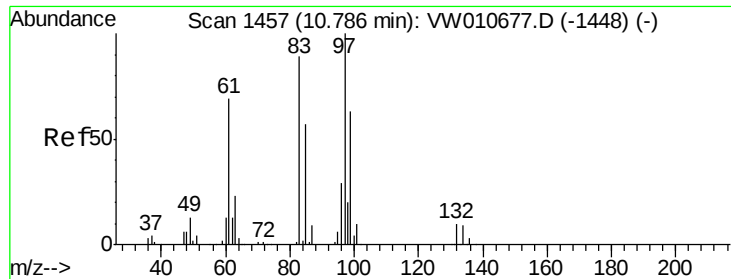
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 6/7/2019 11:24:59 AM



#54
 cis-1,3-Dichloropropene
 Concen: 56.417 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion: 75 Resp: 248533
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 62.9 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 56.996 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

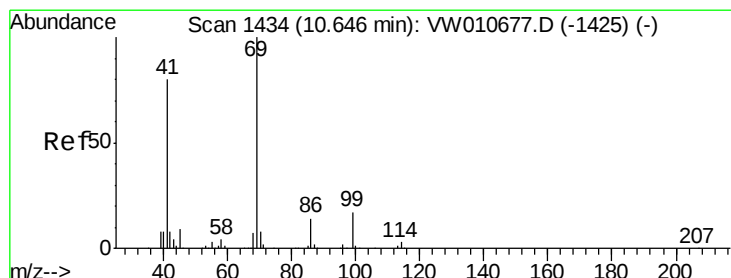
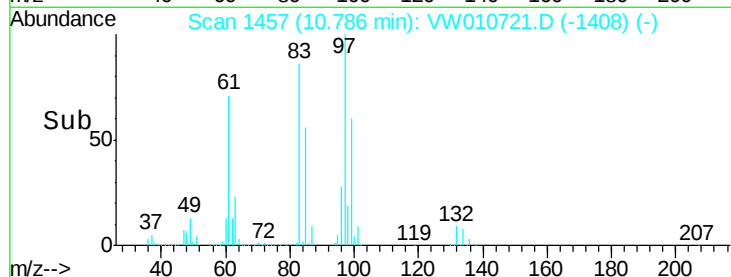
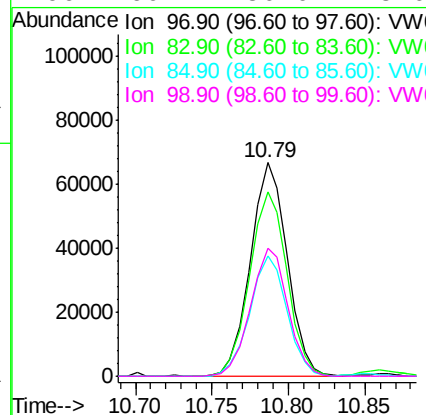
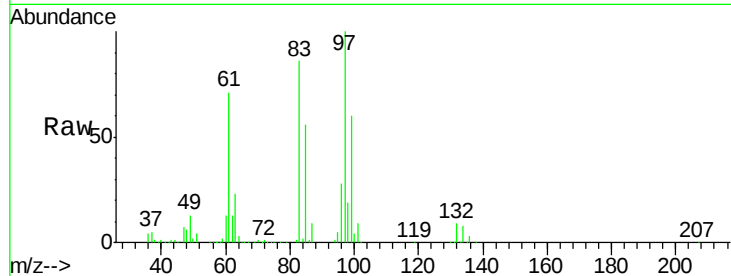
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	111957
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.1	106.7
85	56.1	45.2	67.8
99	60.1	50.0	75.0

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#56

Ethyl methacrylate

Concen: 59.155 ug/l

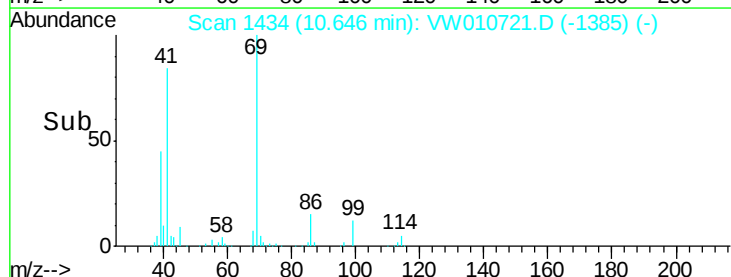
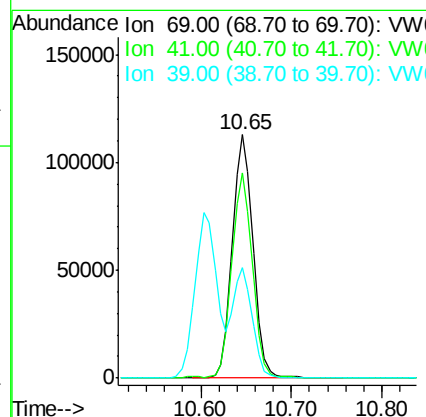
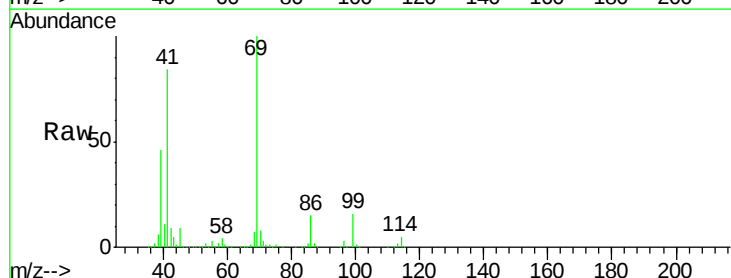
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	69	Resp:	178798
Ion	Ratio	Lower	Upper
69	100		
41	82.7	64.8	97.2
39	42.1	32.2	48.2





#57

1,3-Dichloropropane

Concen: 56.589 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 209480

Ion Ratio Lower Upper

76 100

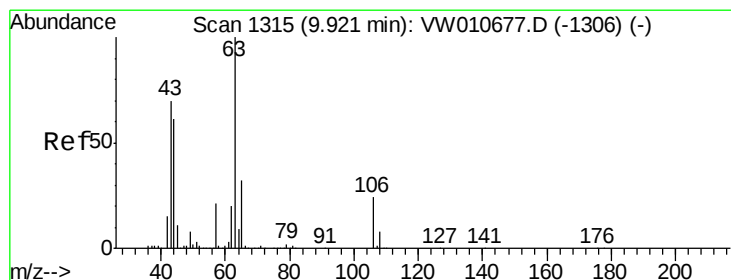
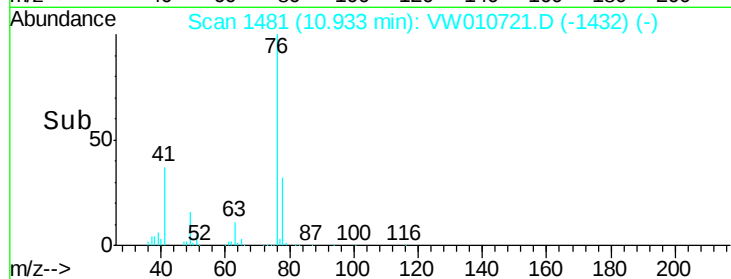
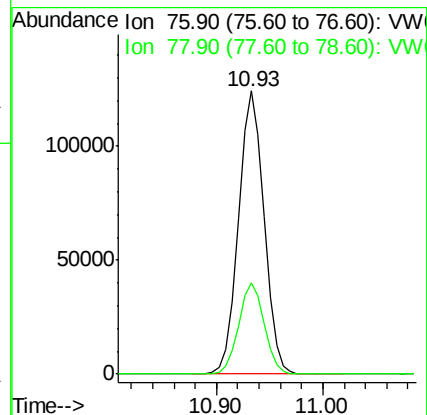
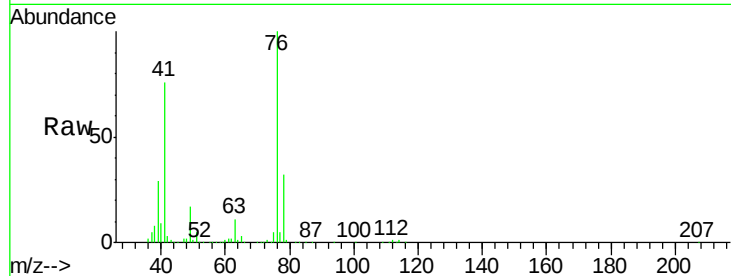
78 32.3 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 261.361 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010721.D

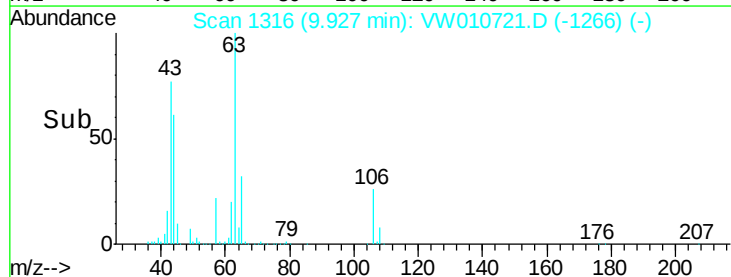
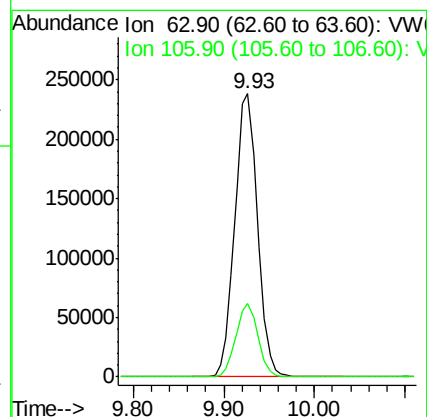
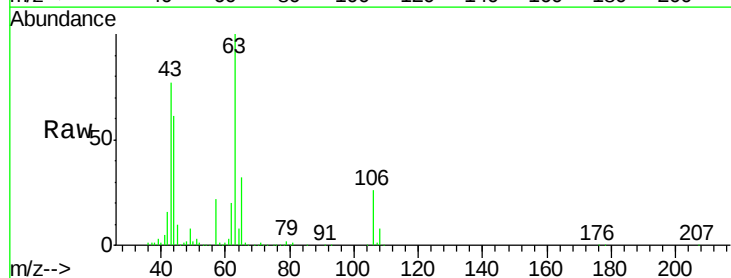
Acq: 06 Jun 2019 20:51

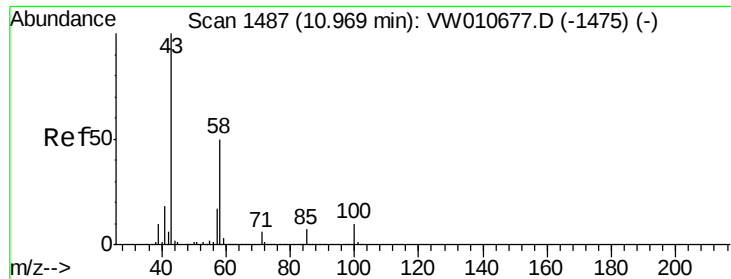
Tgt Ion: 63 Resp: 413768

Ion Ratio Lower Upper

63 100

106 25.2 20.1 30.1





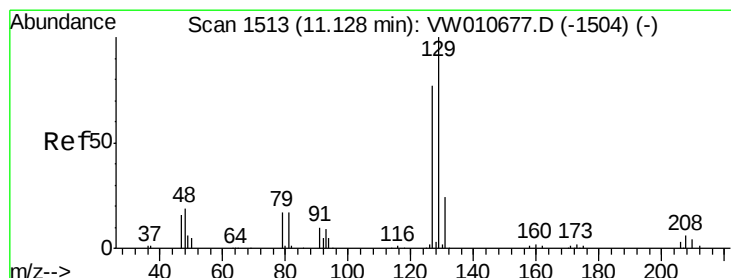
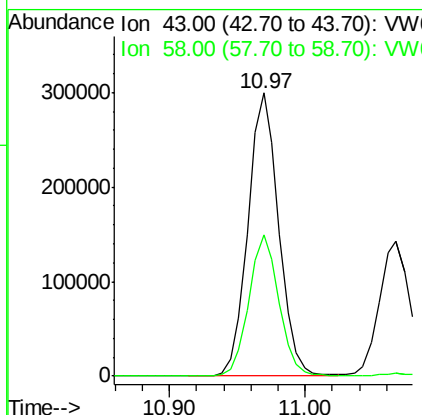
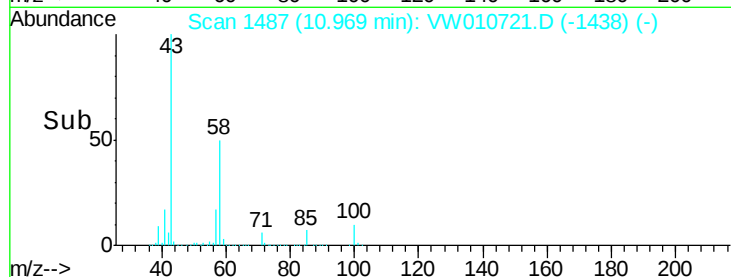
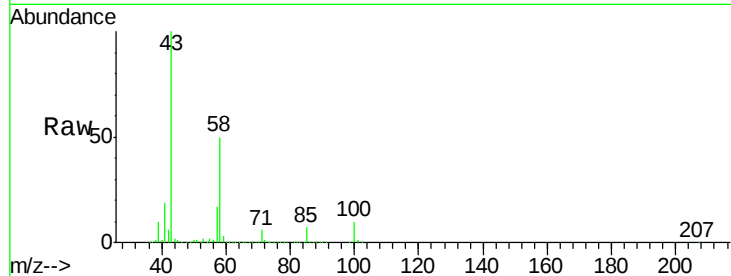
#59
2-Hexanone
Concen: 294.653 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 473454
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

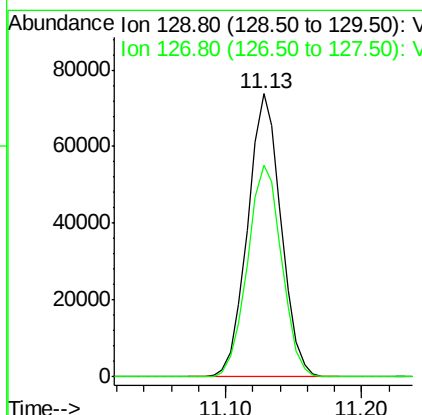
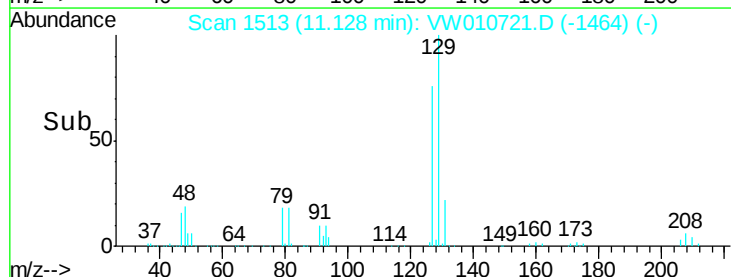
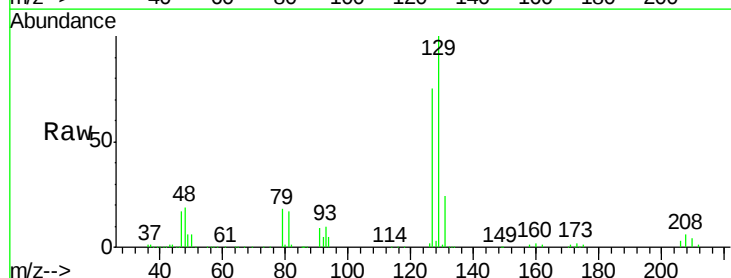
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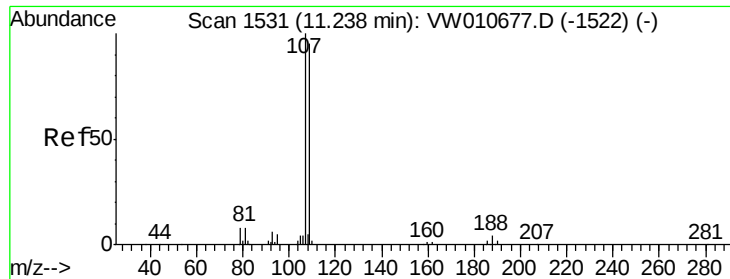
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6/7/2019 11:24:59 AM



#60
Dibromochloromethane
Concen: 58.093 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 129 Resp: 126495
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





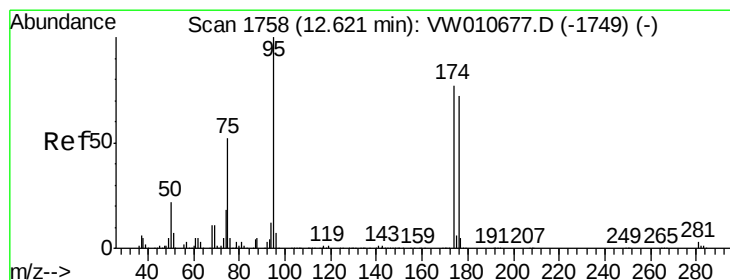
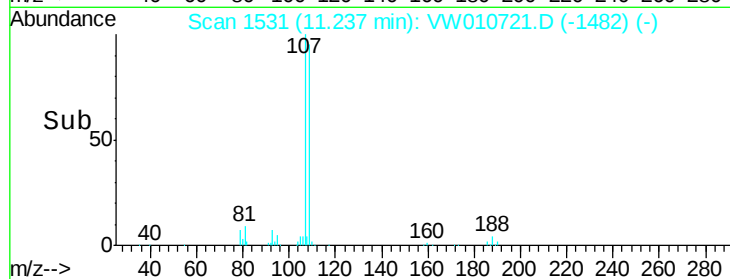
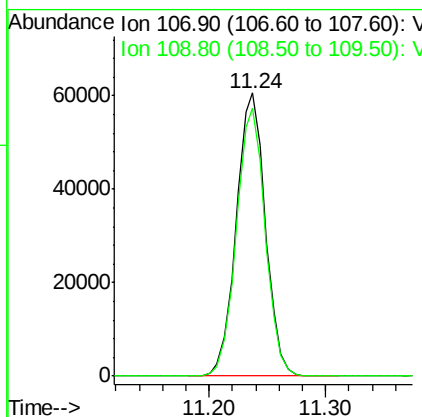
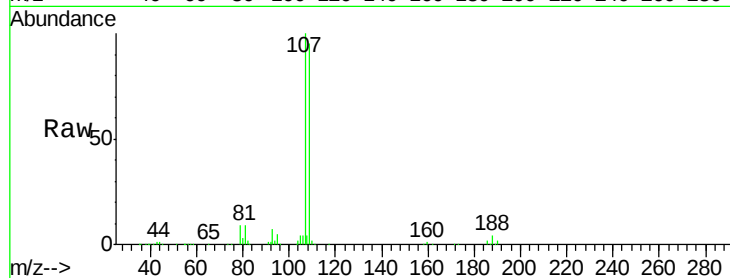
#61
1,2-Dibromoethane
Concen: 56.498 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

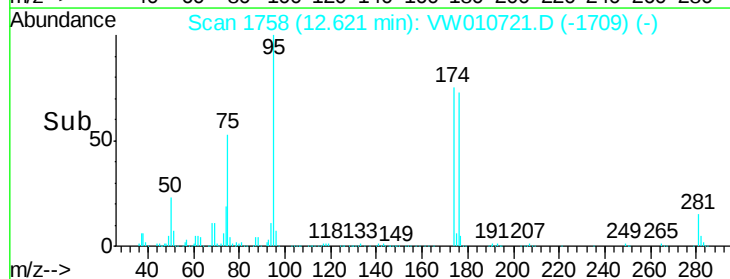
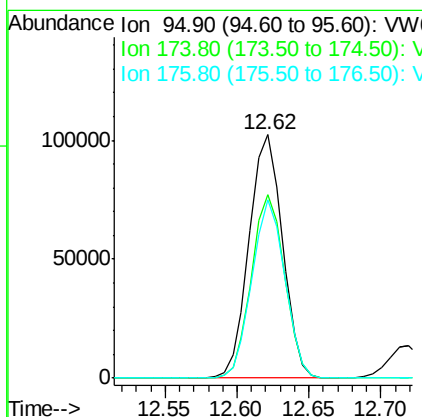
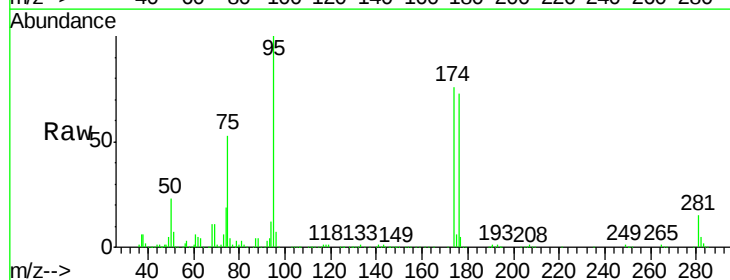
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#62
4-Bromofluorobenzene
Concen: 47.787 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	150.4
176	72.1	0.0	144.8





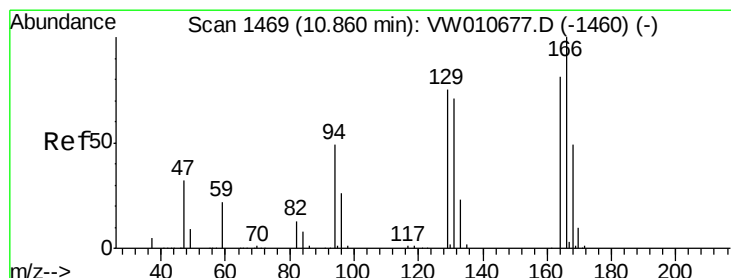
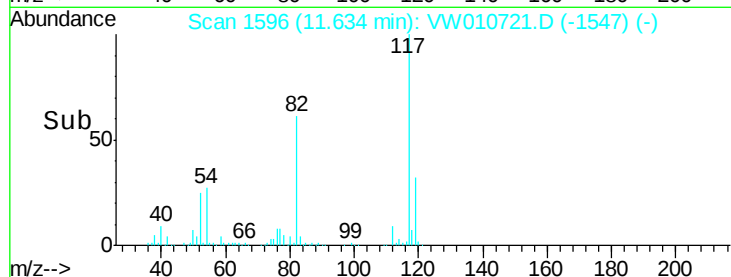
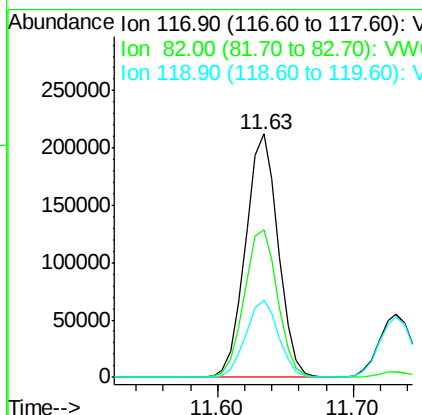
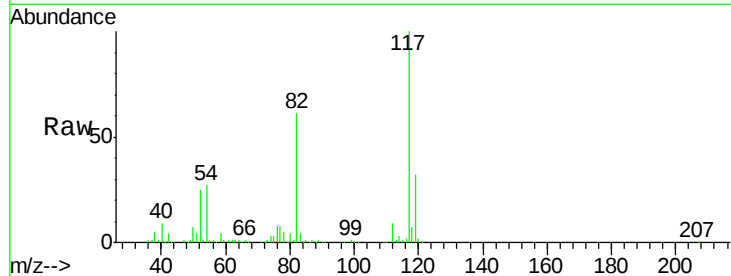
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.0	70.4
119	31.6	25.1	37.7

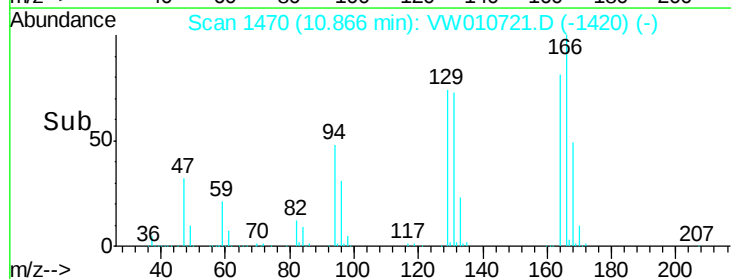
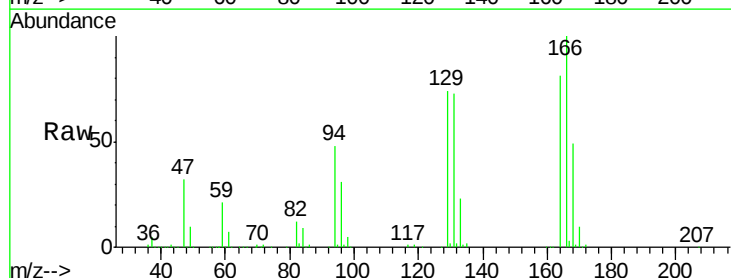
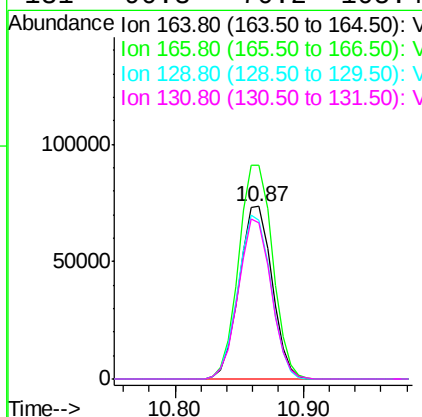
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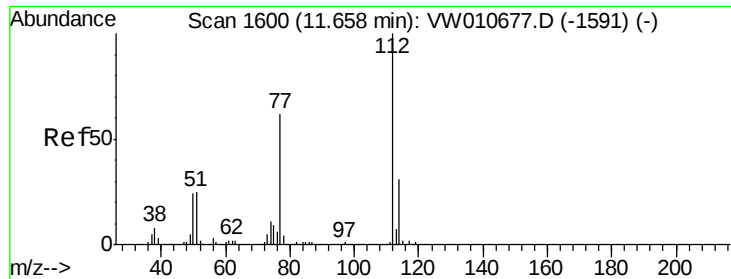
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#64
Tetrachloroethene
Concen: 55.023 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	99.2	148.8
129	92.1	74.6	112.0
131	90.3	70.2	105.4





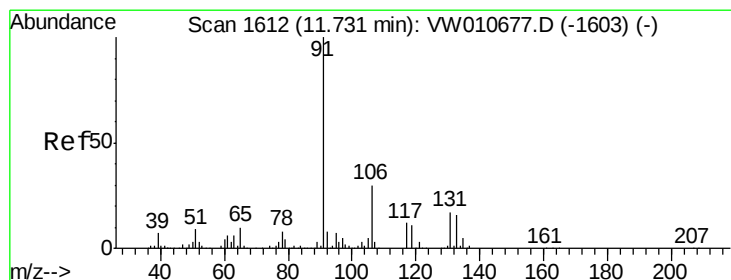
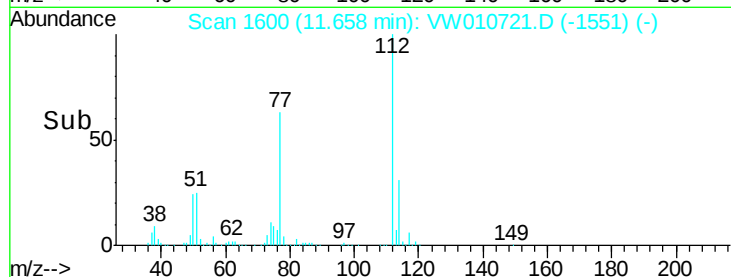
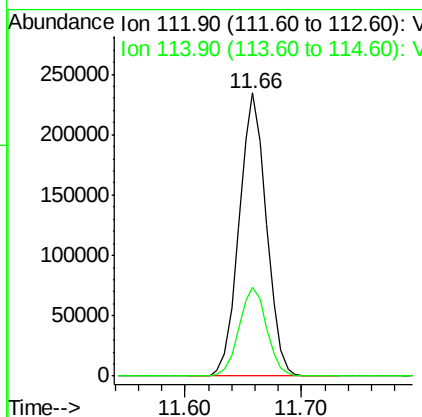
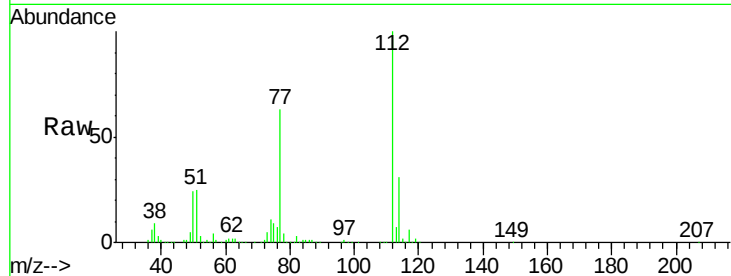
#65
Chlorobenzene
Concen: 54.424 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.8	37.2

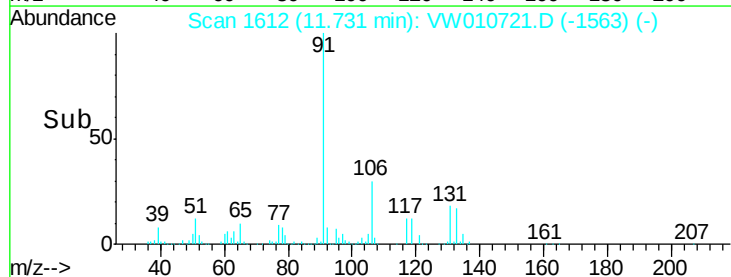
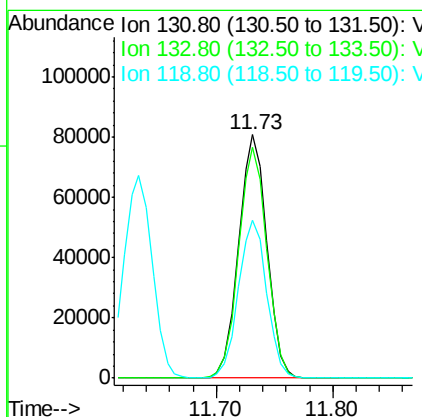
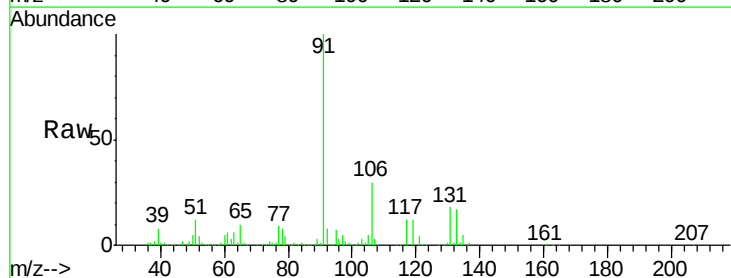
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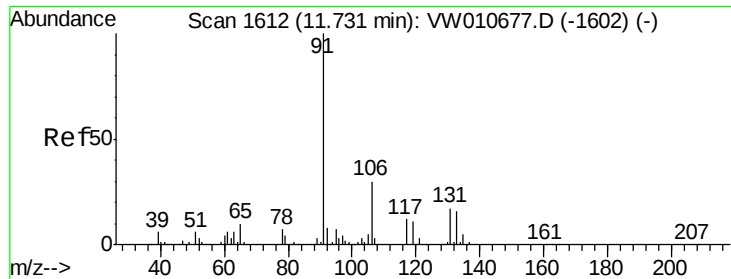
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.249 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	65.2	32.4	97.0





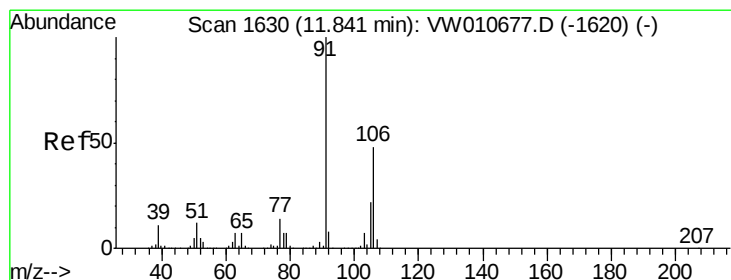
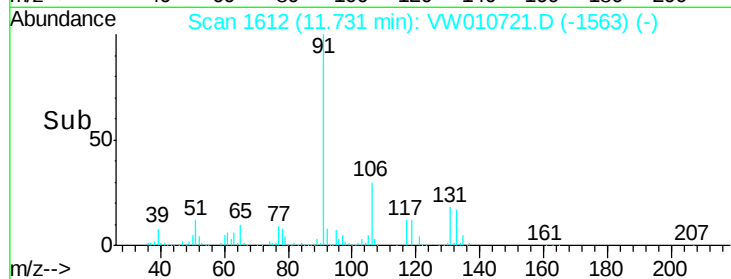
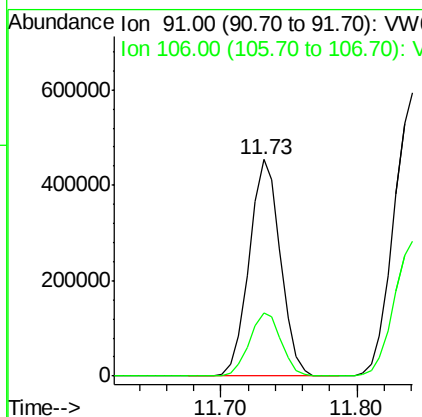
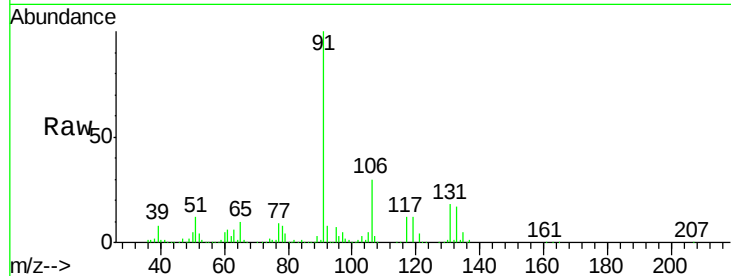
#67
Ethyl Benzene
Concen: 54.376 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 732367
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4

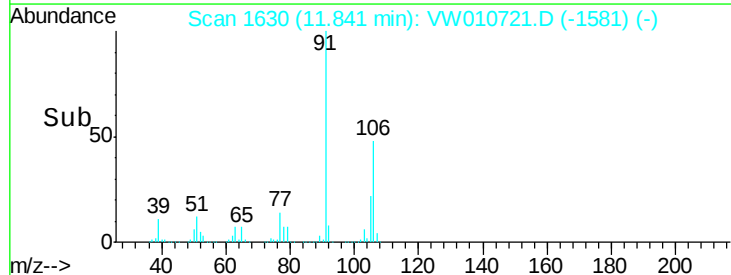
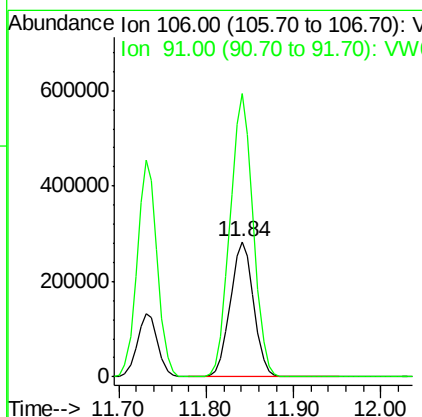
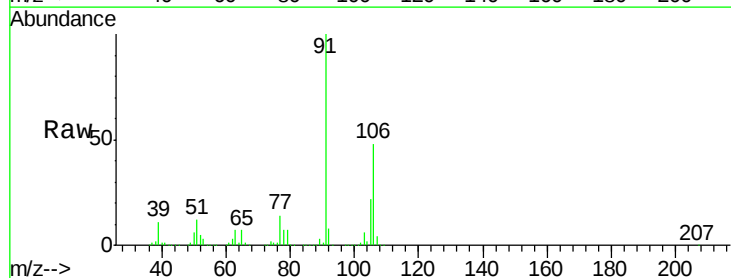
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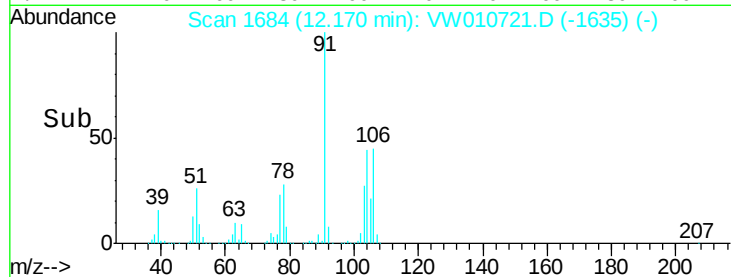
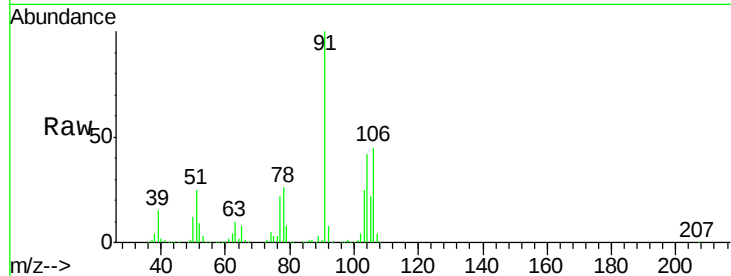
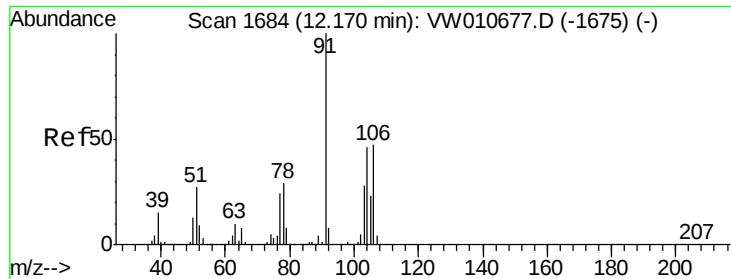
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#68
m/p-Xylenes
Concen: 108.804 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 106 Resp: 524589
Ion Ratio Lower Upper
106 100
91 207.3 166.5 249.7





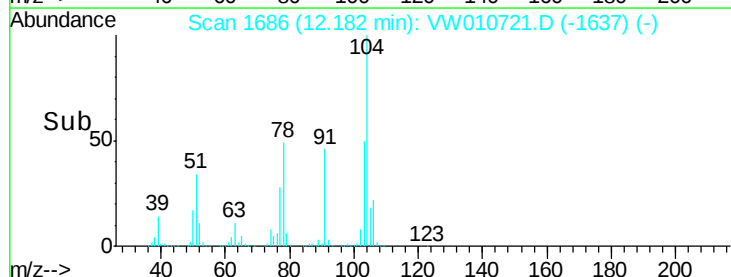
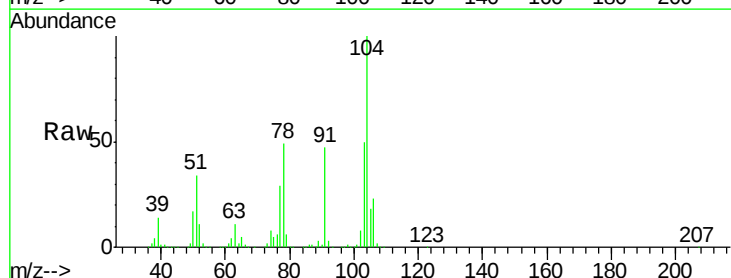
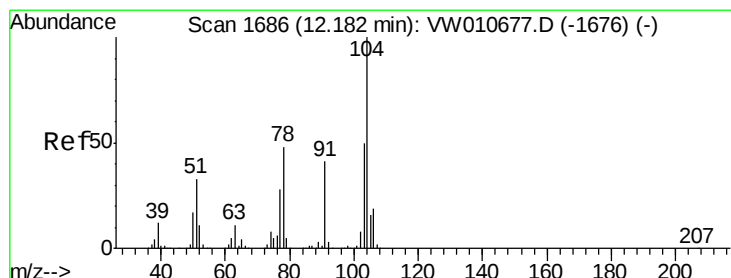
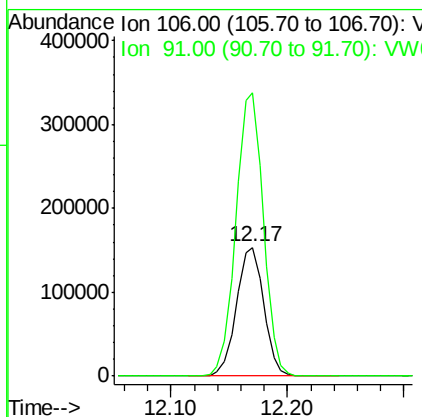
#69
o-Xylene
Concen: 54.933 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tot Ion:106 Resp: 251192
Ion Ratio Lower Upper
106 100
91 220.9 108.9 326.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

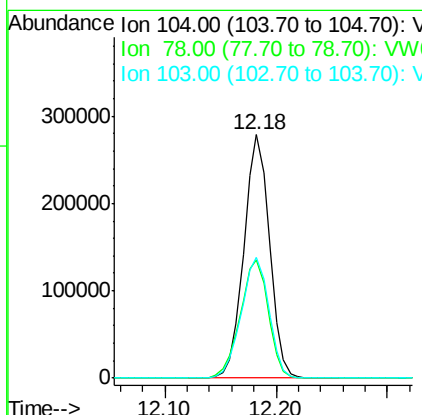
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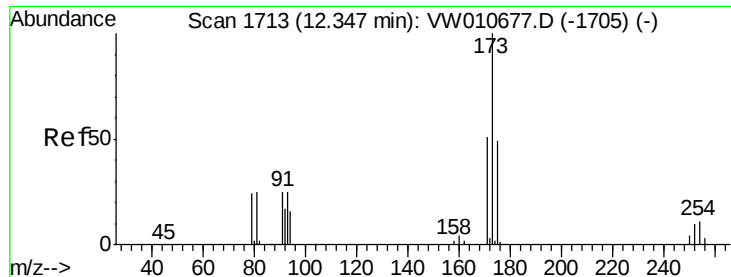
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#70
Styrene
Concen: 56.014 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion:104 Resp: 444948
Ion Ratio Lower Upper
104 100
78 53.6 42.7 64.1
103 54.0 43.6 65.4





#71

Bromoform

Concen: 58.532 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73438

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

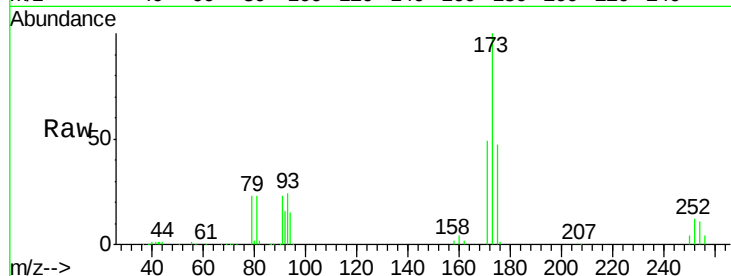
254 0.1 0.1 0.1#

Manual Integrations

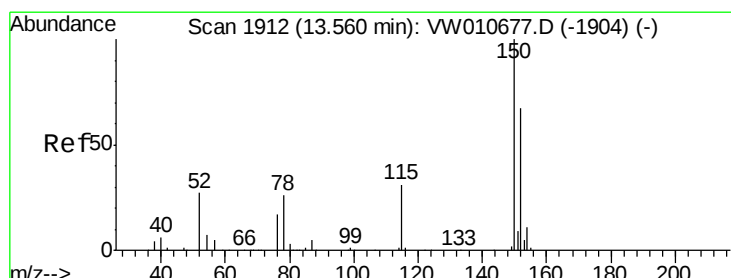
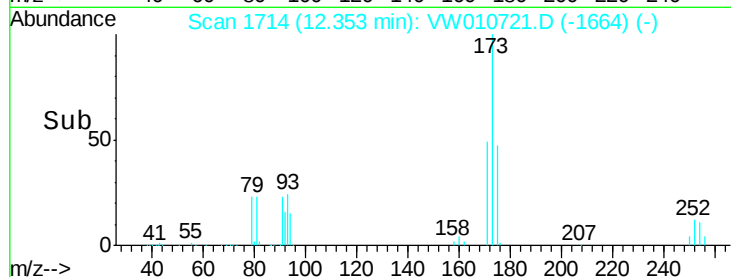
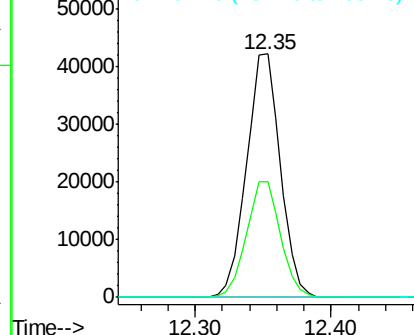
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

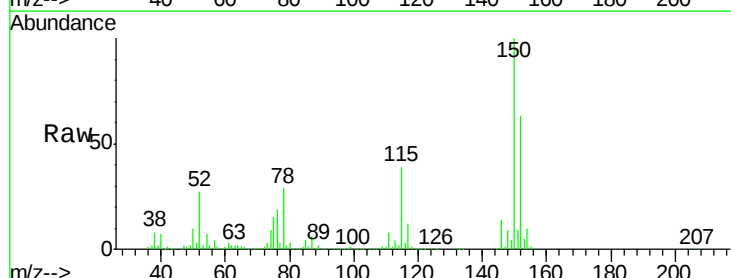
Tgt Ion:152 Resp: 175217

Ion Ratio Lower Upper

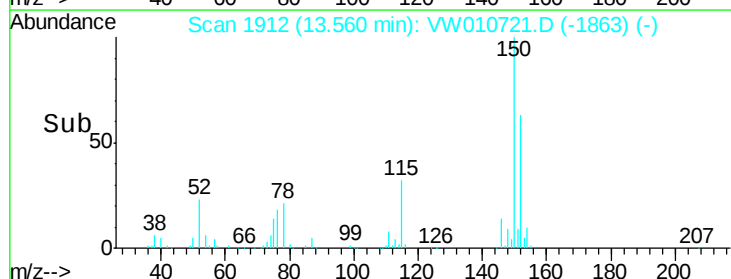
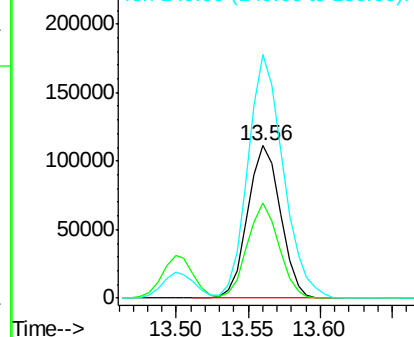
152 100

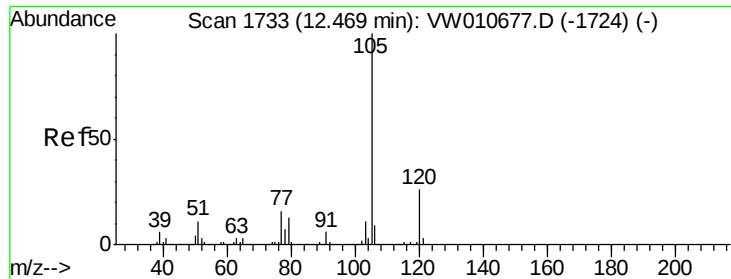
115 59.9 29.8 89.3

150 172.2 0.0 345.0



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





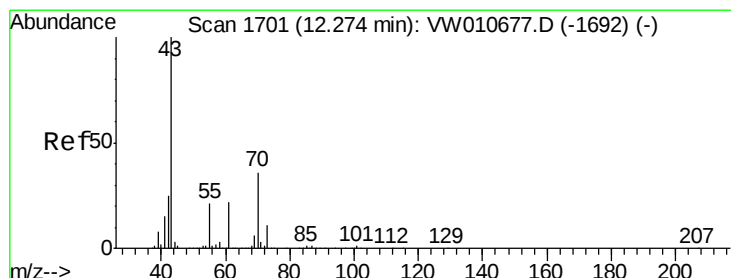
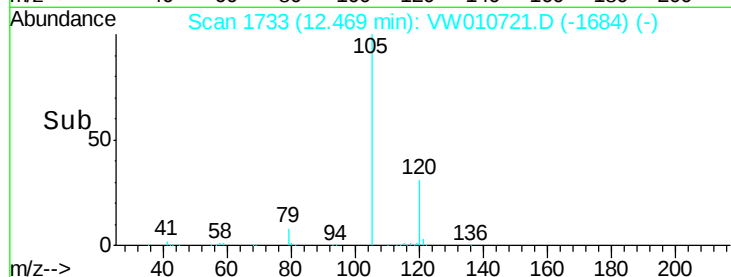
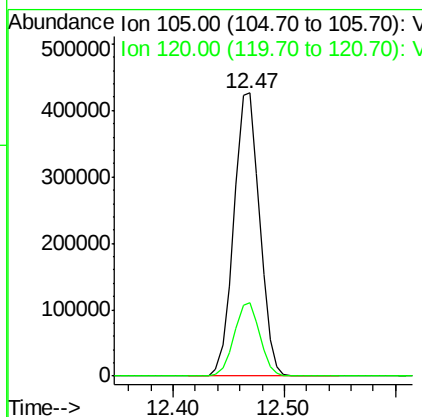
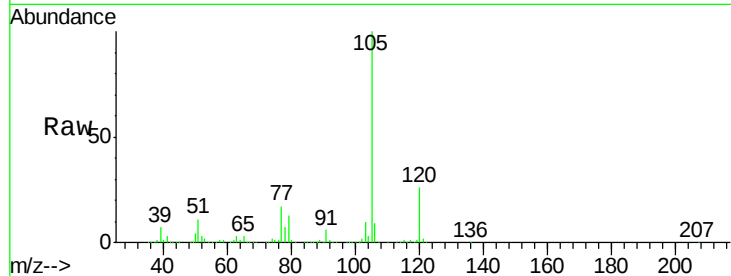
#73
Isopropylbenzene
Concen: 51.785 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.1	39.1

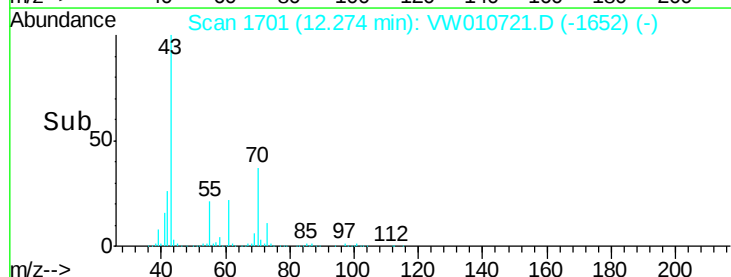
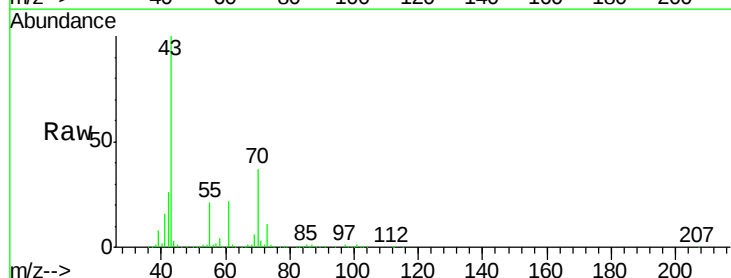
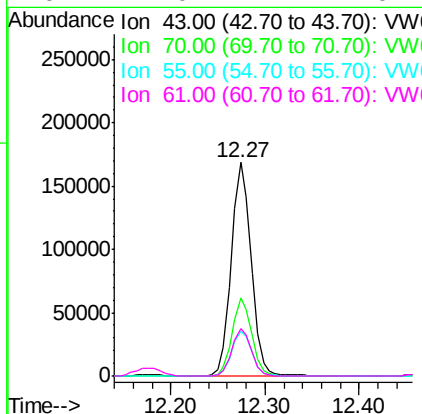
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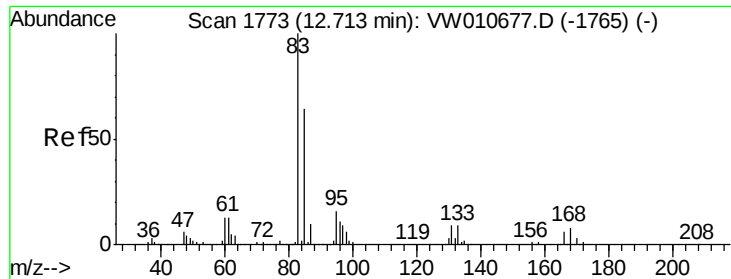
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#74
N-ethyl acetate
Concen: 57.929 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	29.2	43.8
55	21.7	17.5	26.3
61	22.0	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.907 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

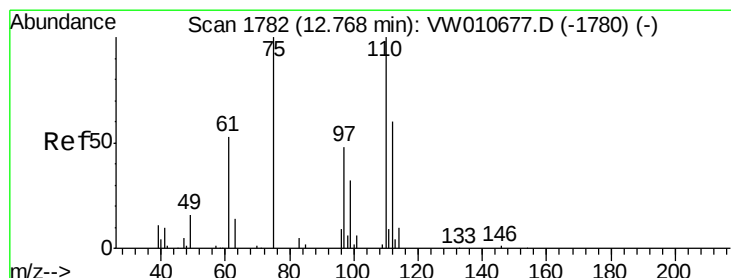
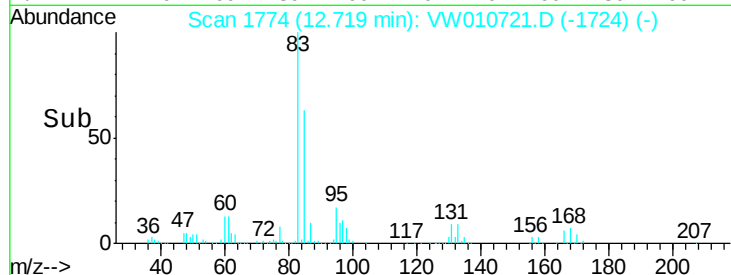
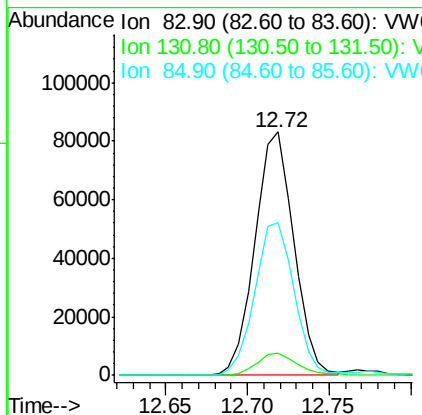
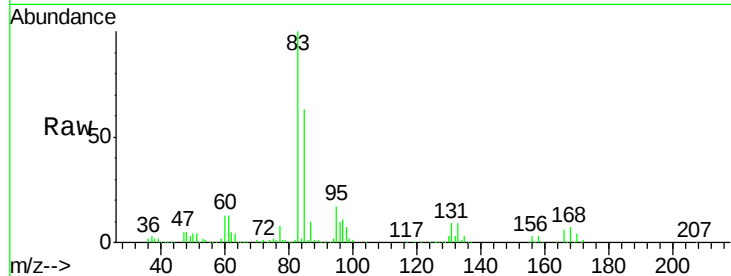
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	137632
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.5	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 56.866 ug/l m

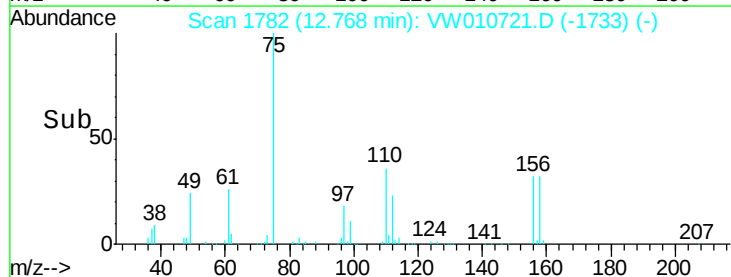
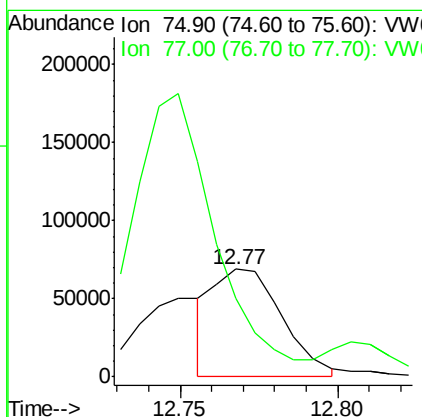
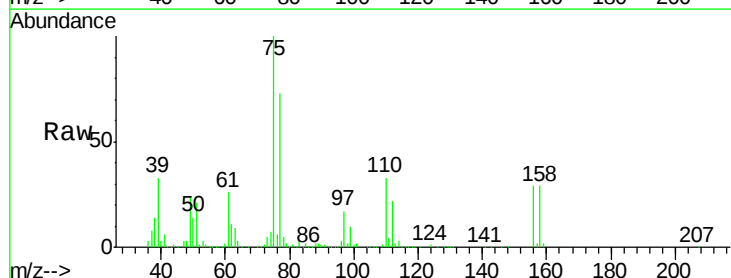
RT: 12.77 min Scan# 1782

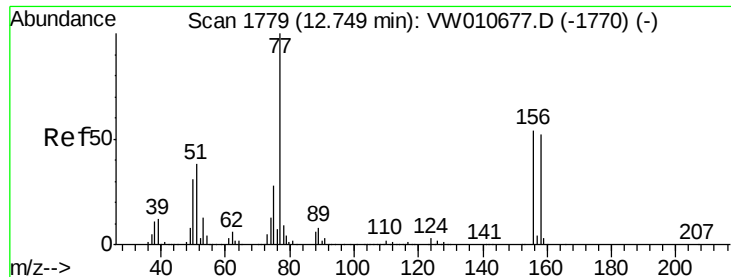
Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	75	Resp:	104634
Ion Ratio	Lower	Upper	
75	100		
77	317.5	0.0	0.0#





#77

Bromobenzene

Concen: 53.646 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

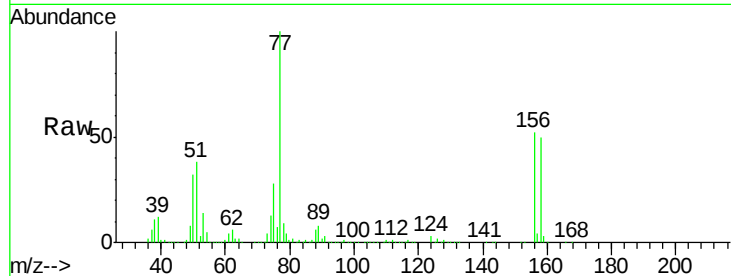
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	154185
Ion Ratio	Lower	Upper	
156	100		
77	215.5	106.5	319.4
158	97.4	48.3	144.9

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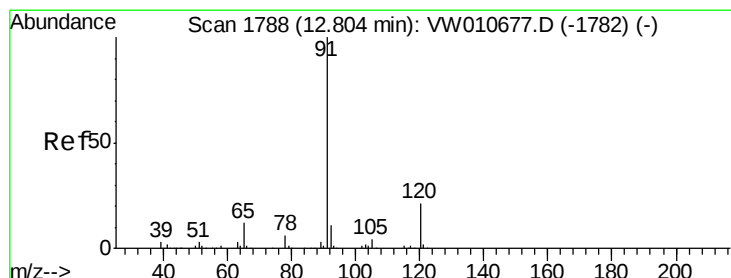
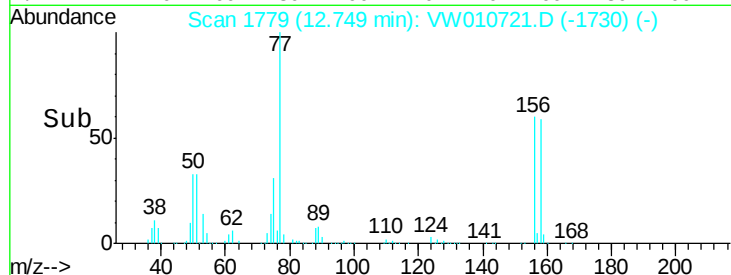
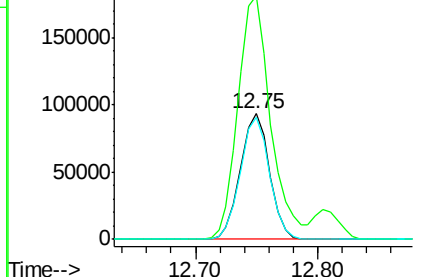
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.243 ug/l

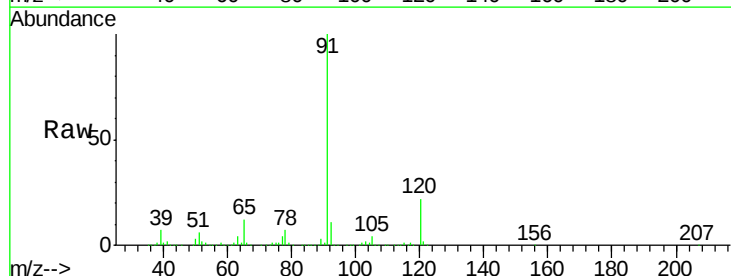
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010721.D

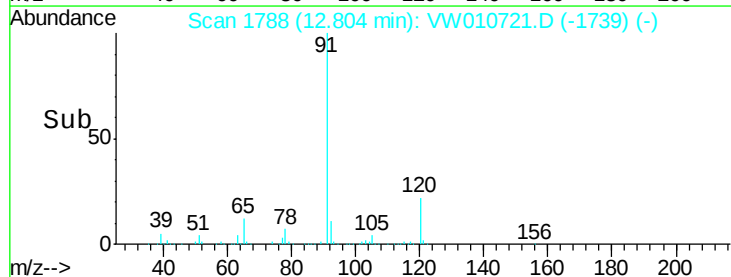
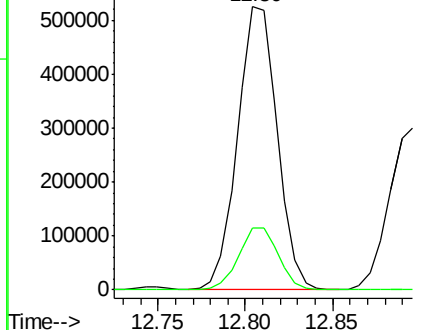
Acq: 06 Jun 2019 20:51

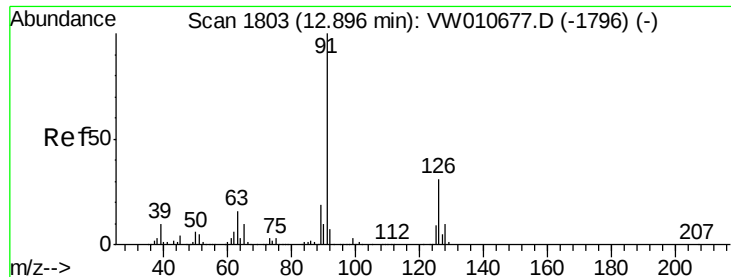
Tgt Ion:	91	Resp:	829453
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.322 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 483665

Ion Ratio Lower Upper

91 100

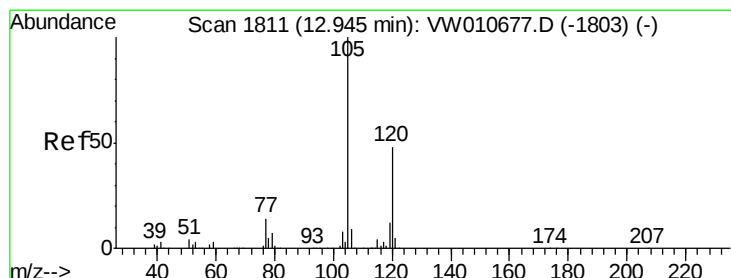
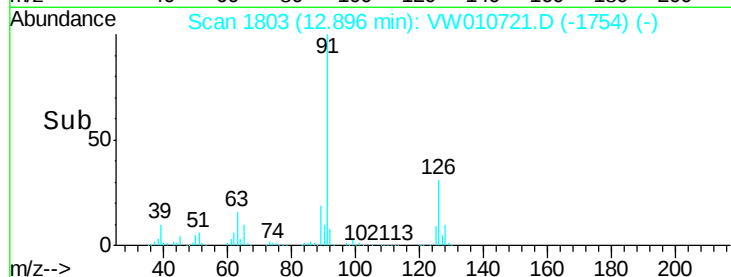
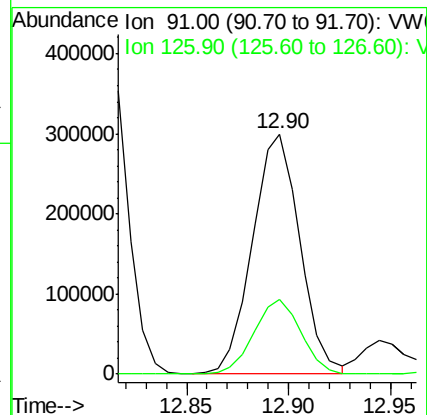
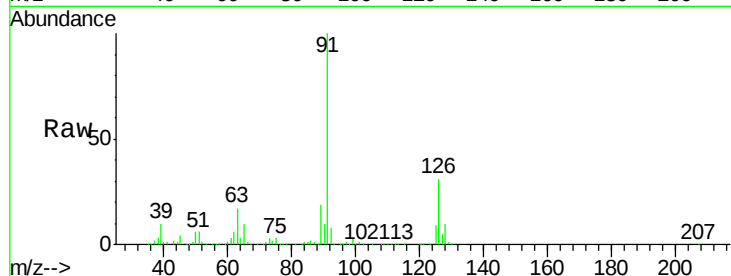
126 30.9 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 53.280 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010721.D

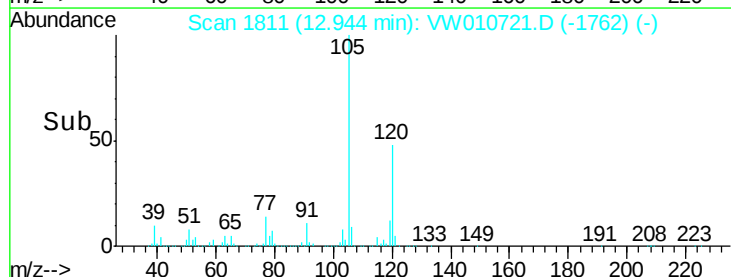
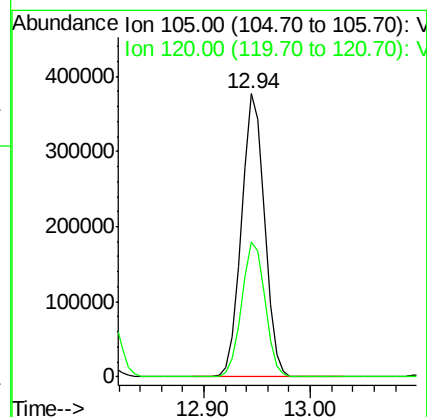
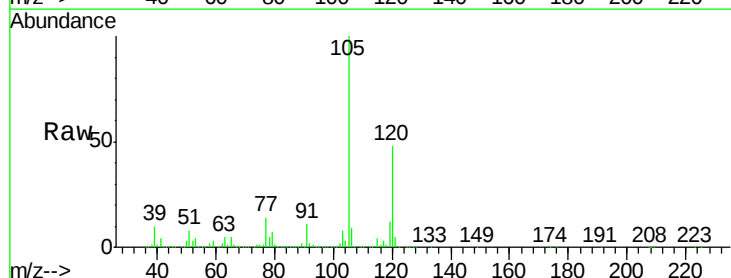
Acq: 06 Jun 2019 20:51

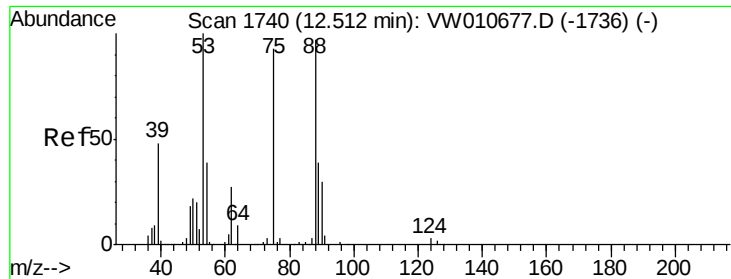
Tgt Ion:105 Resp: 574213

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





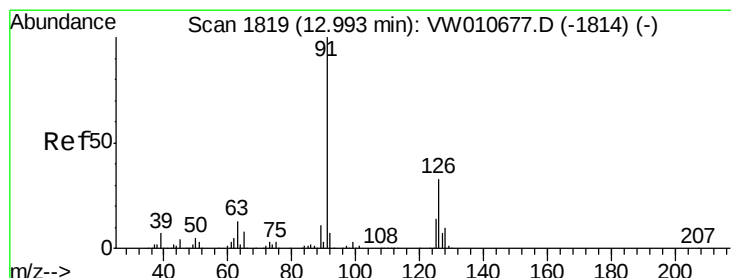
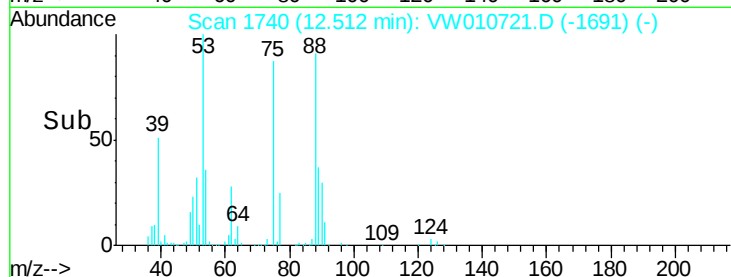
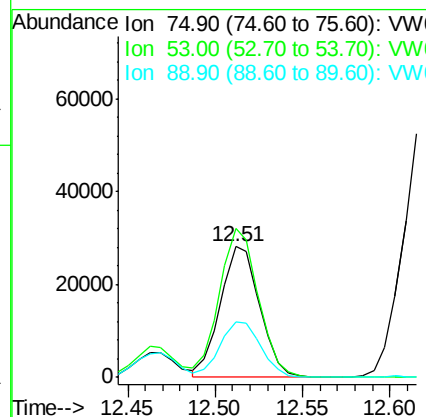
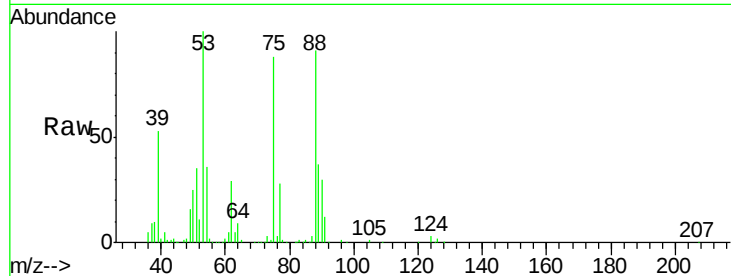
#81
trans-1,4-Dichloro-2-butene
Concen: 54.703 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.2	90.1	135.1
89	44.0	34.6	52.0

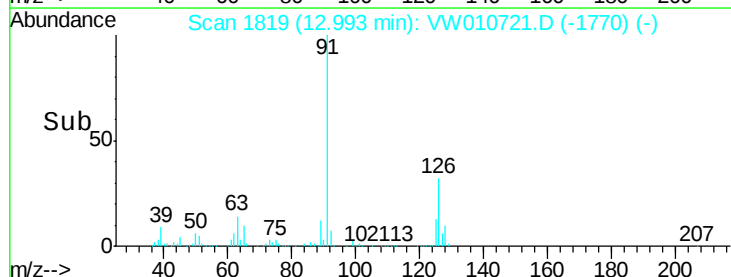
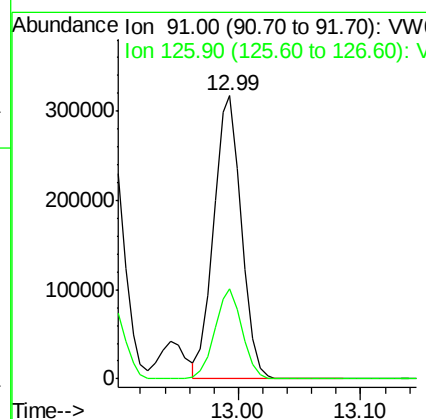
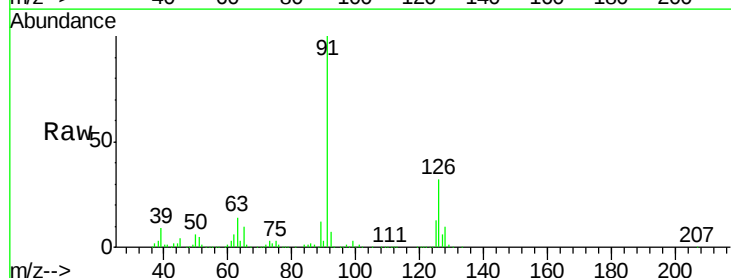
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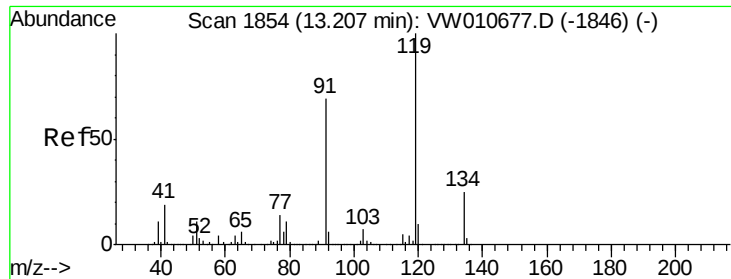
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#82
4-Chlorotoluene
Concen: 53.288 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





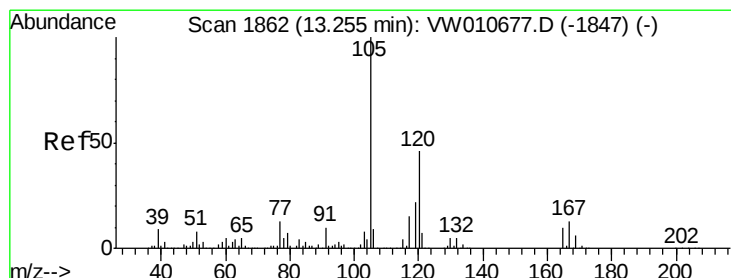
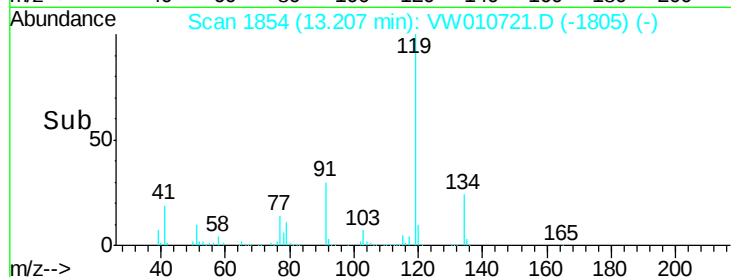
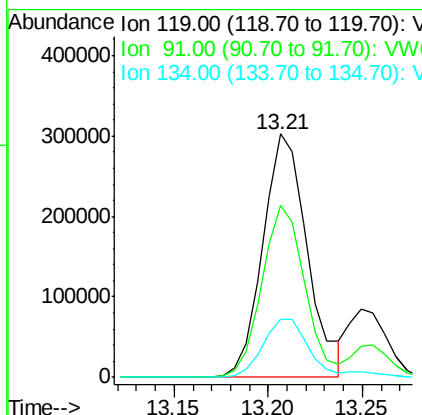
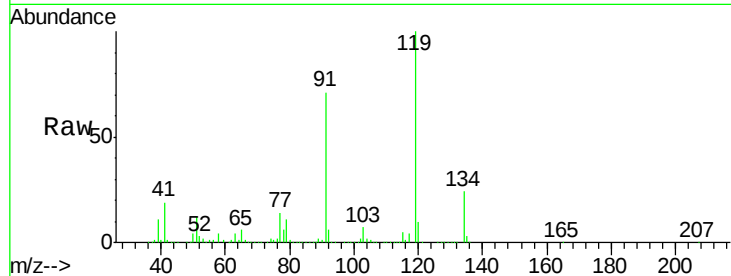
#83
tert-Butylbenzene
Concen: 54.203 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	35.1	105.3
134	25.8	13.6	40.7

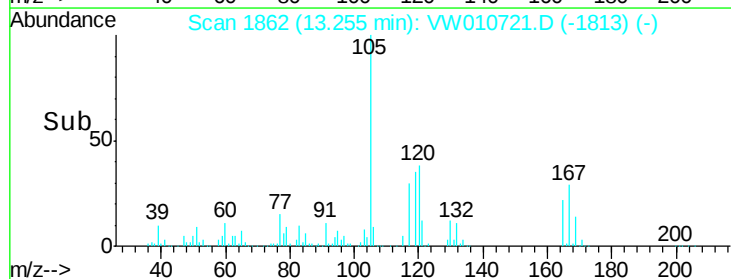
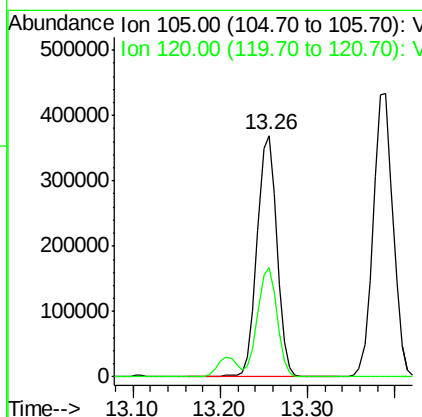
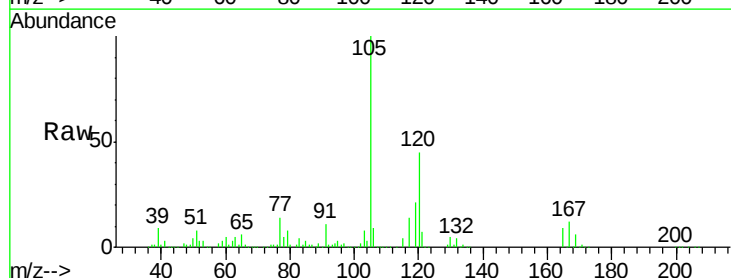
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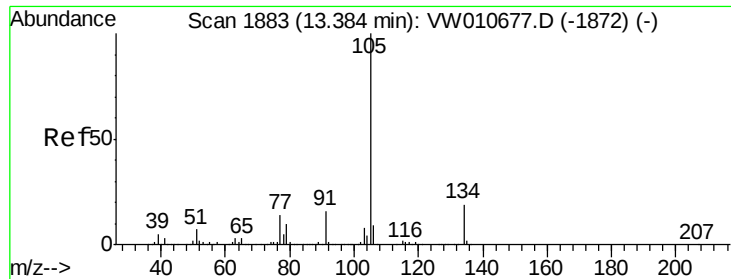
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#84
1,2,4-Trimethylbenzene
Concen: 53.517 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.5	67.5





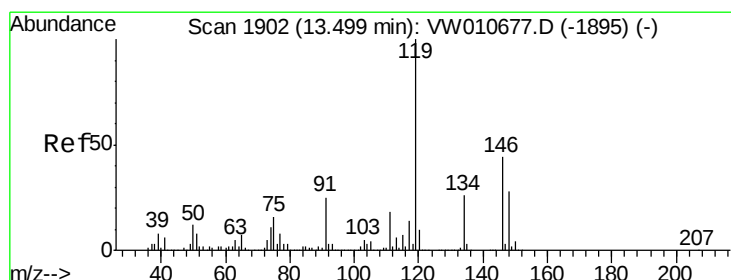
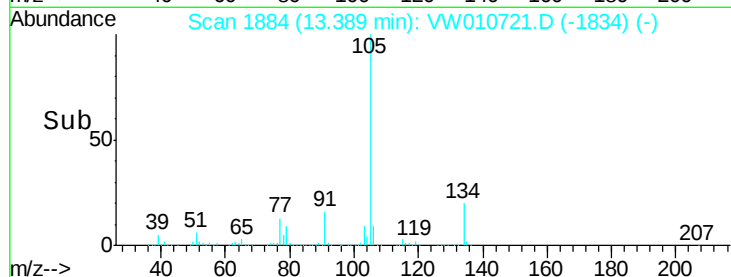
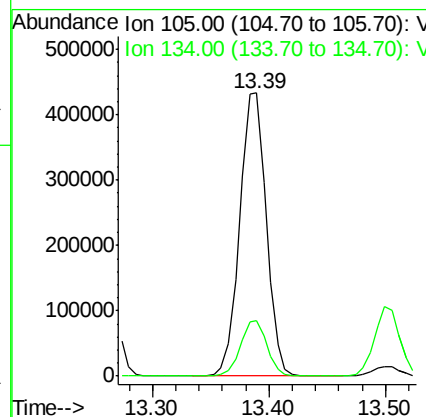
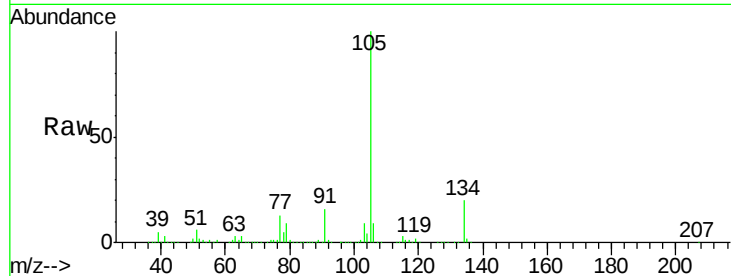
#85
 sec-Butylbenzene
 Concen: 51.773 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

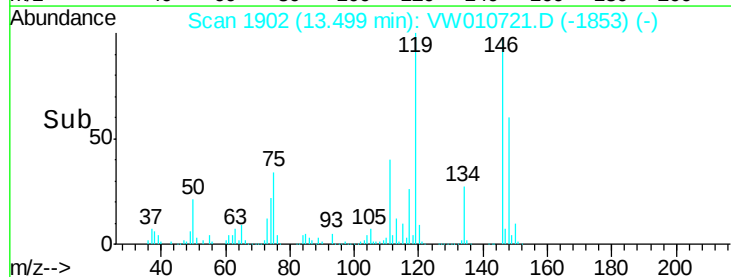
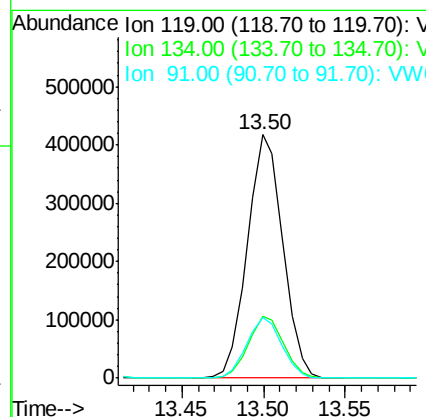
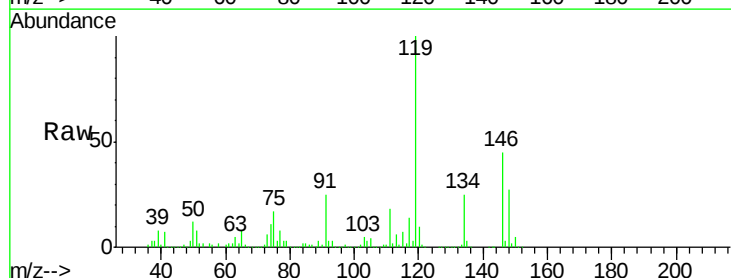
Manual Integrations
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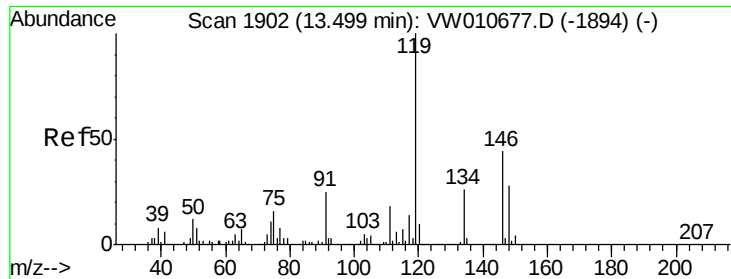
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#86
 p-Isopropyltoluene
 Concen: 52.873 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	24.5	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 53.133 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

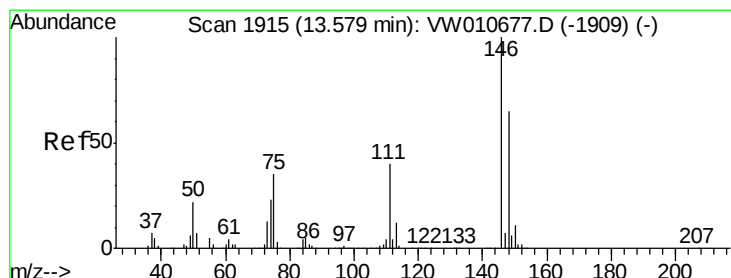
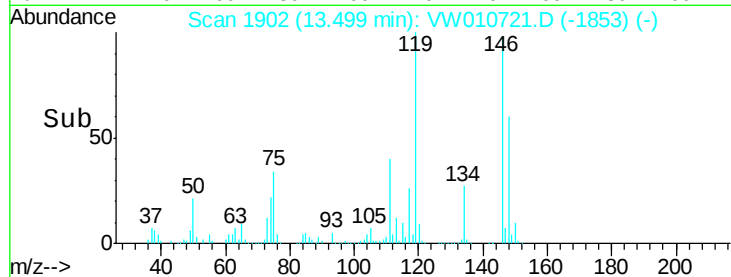
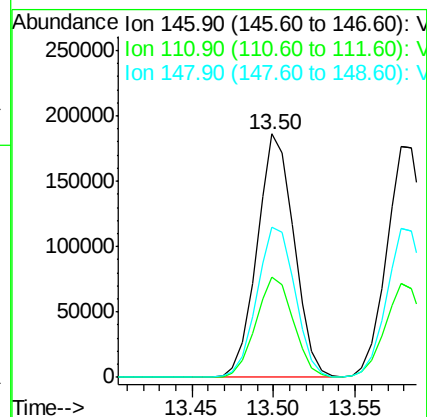
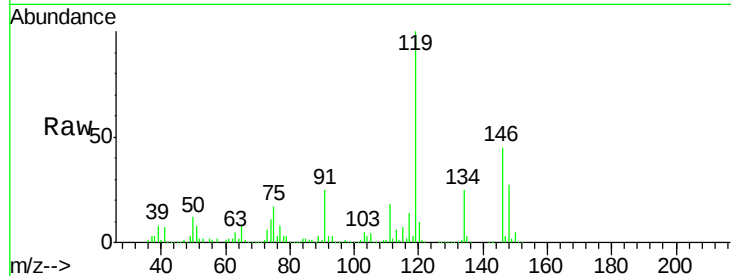
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	294496
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.4	61.3
148	63.7	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 53.151 ug/l

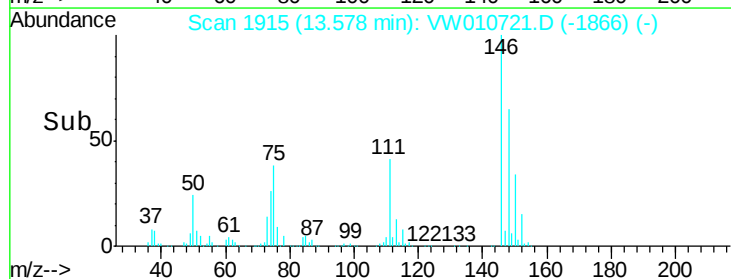
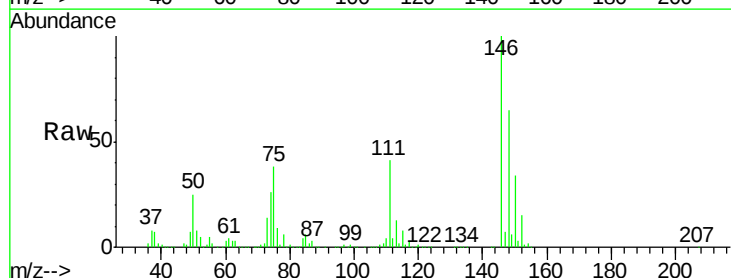
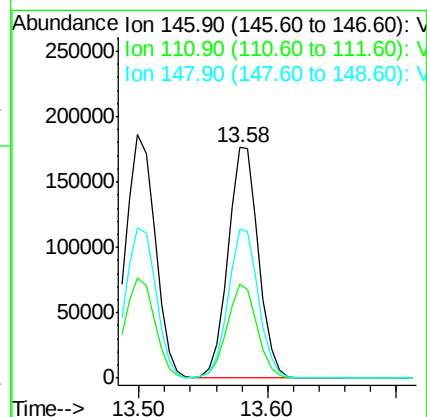
RT: 13.58 min Scan# 1915

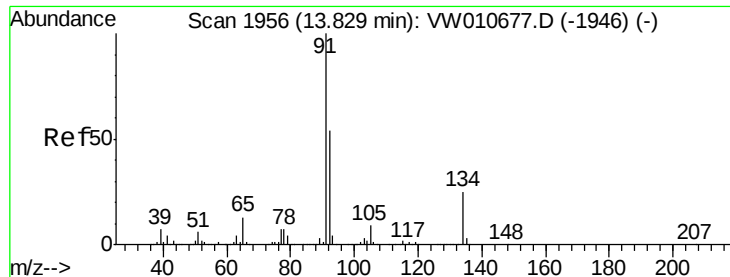
Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion:	146	Resp:	292059
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	64.1	32.4	97.2





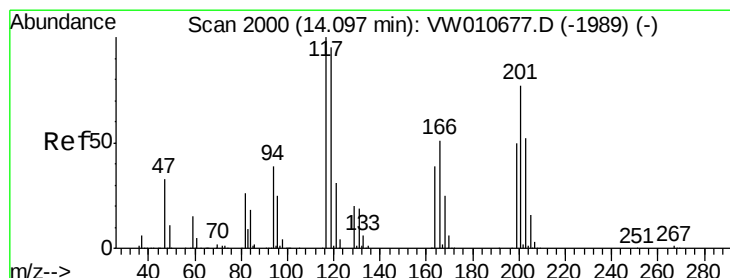
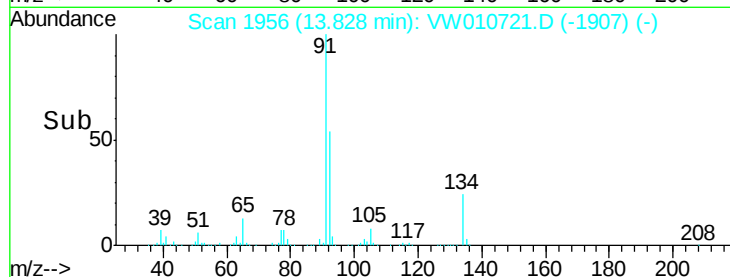
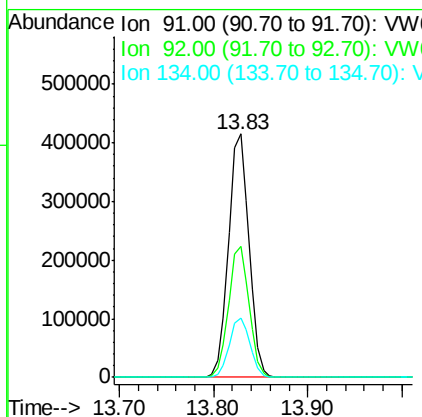
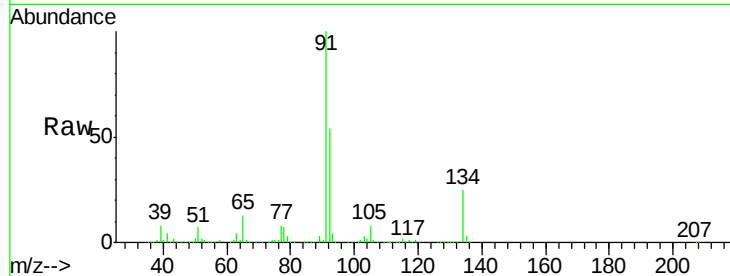
#89
n-Butylbenzene
Concen: 52.628 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.3	81.8
134	24.6	12.3	36.9

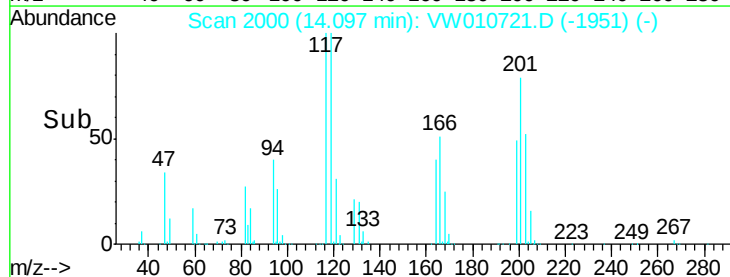
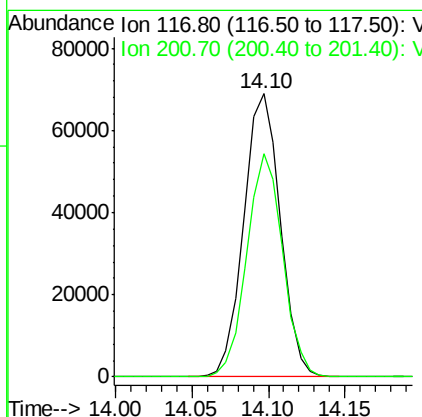
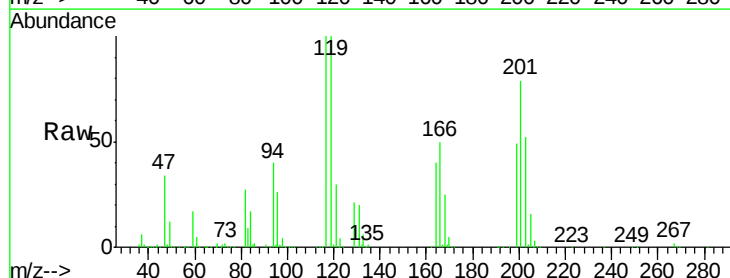
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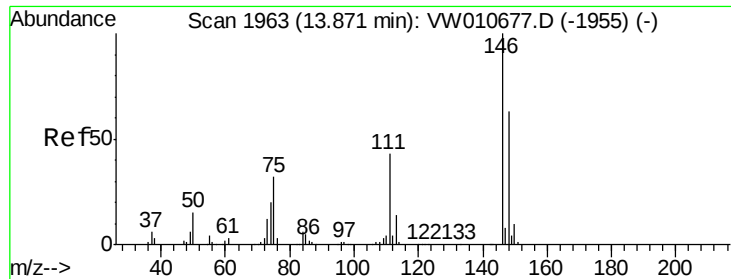
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#90
Hexachloroethane
Concen: 53.736 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.8	116.4





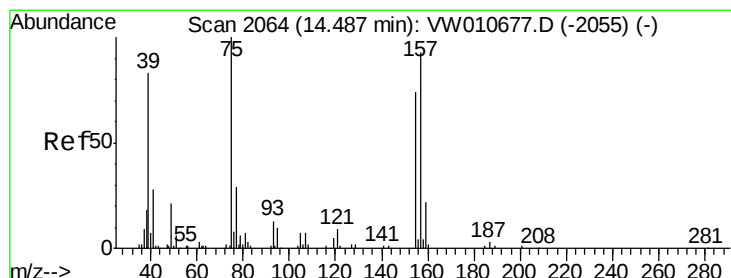
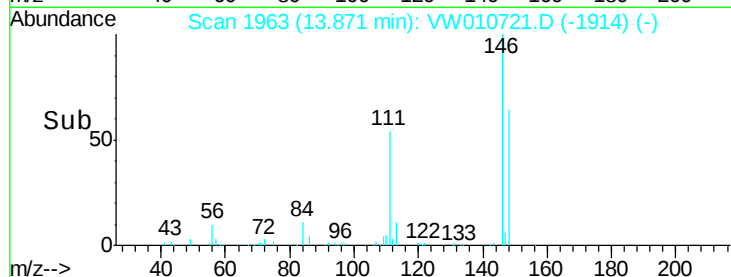
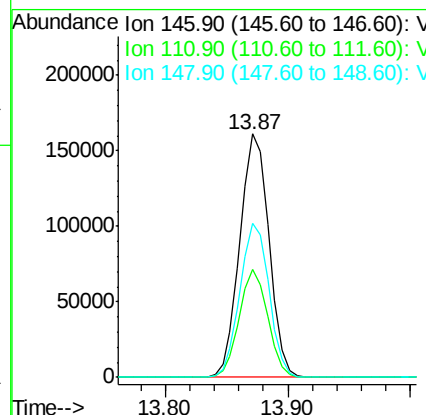
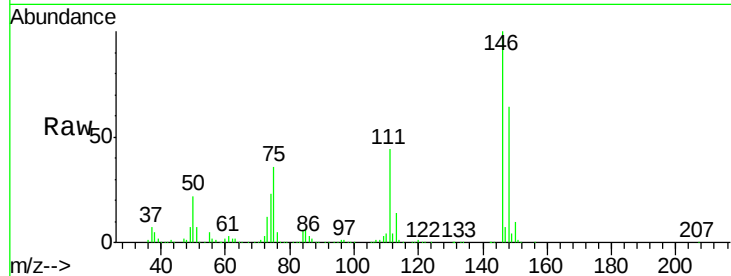
#91
 1,2-Dichlorobenzene
 Concen: 53.453 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	63.3	31.9	95.5

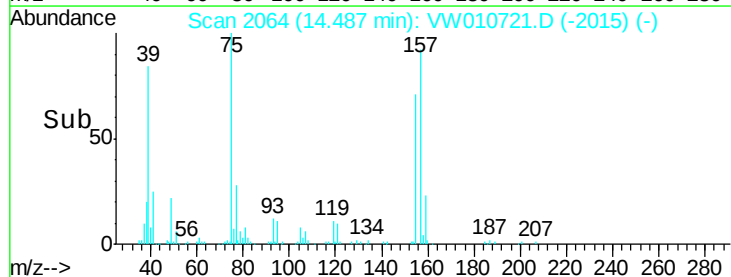
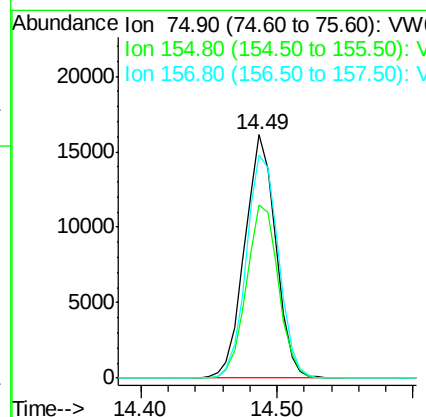
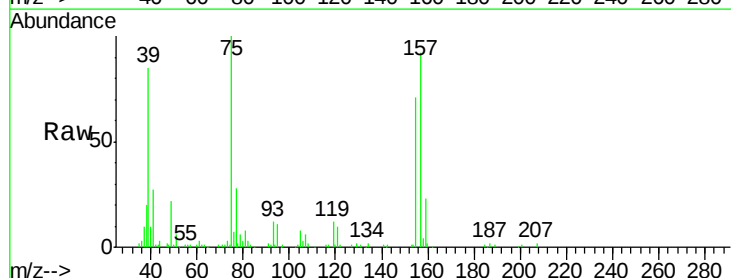
Manual Integrations
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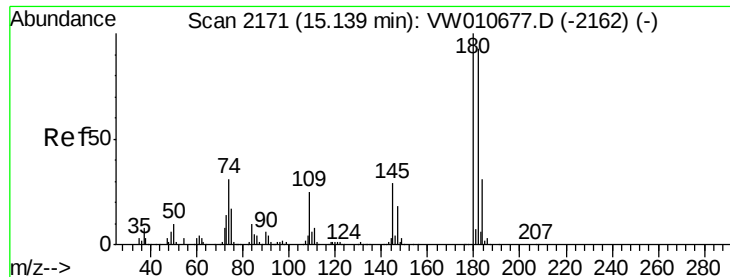
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.901 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	38.8	116.4
157	94.8	48.4	145.0





#93

1,2,4-Trichlorobenzene

Concen: 55.381 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

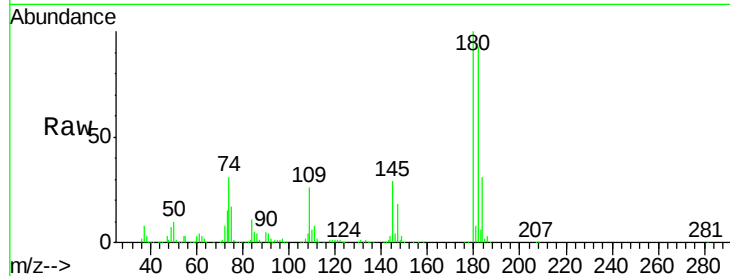
ClientSampleId :

VSTDCCC050EC

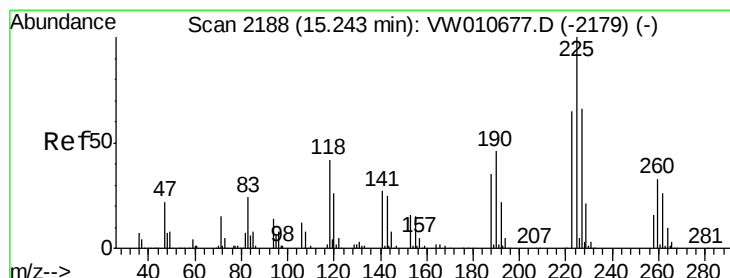
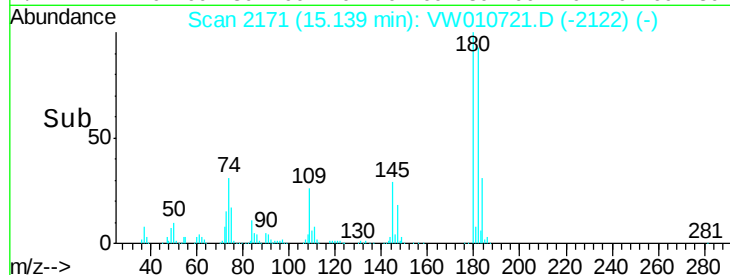
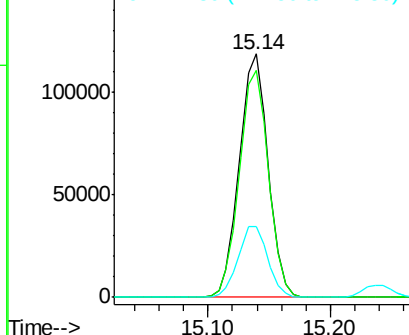
Tot Ion:	180	Resp:	193716
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.4
145	30.0	15.2	45.5

Manual Integrations
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MMDadoda
6/7/2019 11:24:59 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 53.455 ug/l

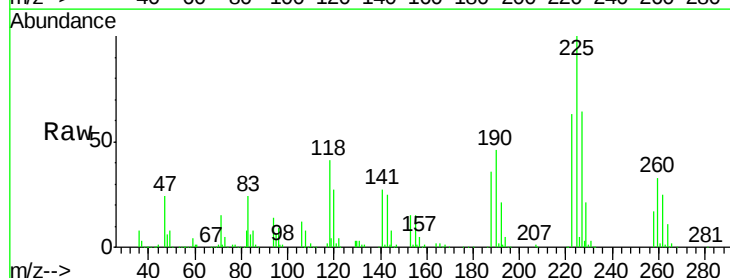
RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

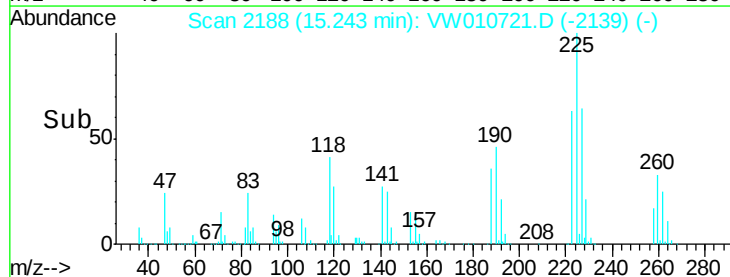
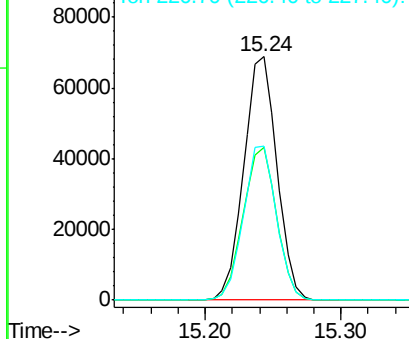
Lab File: VW010721.D

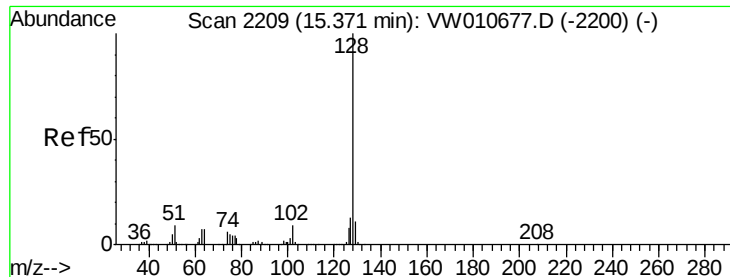
Acq: 06 Jun 2019 20:51

Tgt Ion:	225	Resp:	117348
Ion Ratio	Lower	Upper	
225	100		
223	63.2	32.2	96.6
227	63.3	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





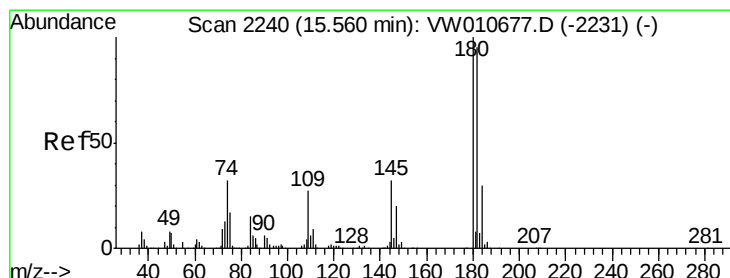
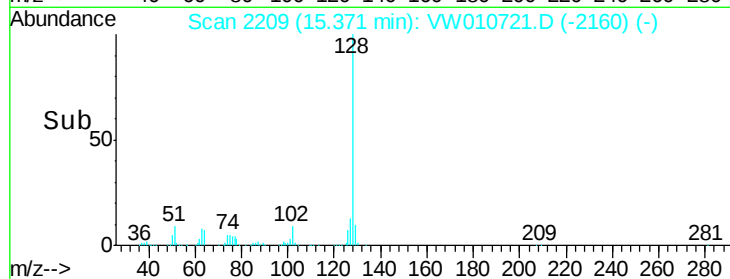
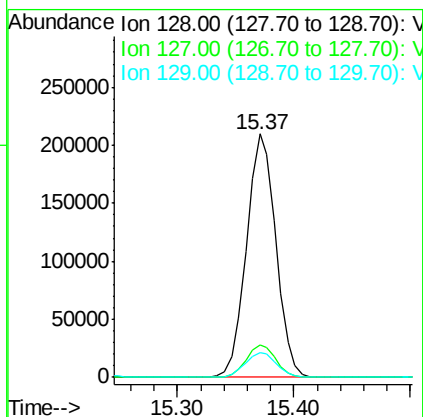
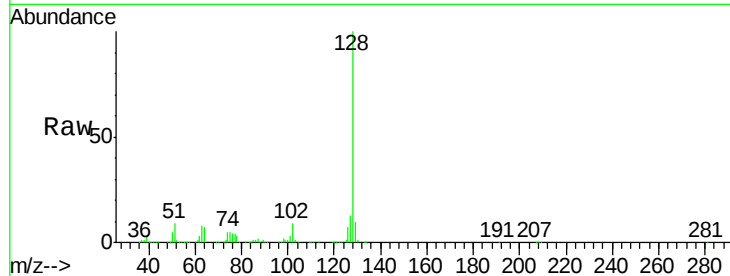
#95
Naphthalene
Concen: 58.037 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.738 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.0	16.1	48.3

